CONFIDENTIAL

List of Naval Radio, Radar, and Sonar Equipment Arranged by Navy Model Letters

SHIPS 242A

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RECORD OF CORRECTIONS

Change or memorandum No.	Date entered	Signature of officer making correction

BUREAU OF SHIPS,
NAVY DEPARTMENT,
Washington 25, D. C., 1 January 1945.

1. SHIPS 242A is a confidential non-registered publication and shall be handled, transported, and safeguarded in accordance with the current edition of the Registered Publications Manual and U. S. Naval Regulations. Periodic accounting is not required.

2. SHIPS 242A replaces SHIPS 242 and upon receipt hereof, SHIPS 242 shall be destroyed. No report of such destruction is required.

3. The purpose of this publication is to provide information on the general characteristics of radio, radar, and sonar equipments. Enlisted and warrant personnel as well as civilian employees of the Navy and employees of contractors whose duties require such information should have access to this publication.

4. In the "Remarks" column of this publication, various equipments are marked "obsolete." While this term will indicate older equipment which is out of use, it also indicates equipment for which the Bureau of Ships has a current replacement program. Therefore, *equipments marked obsolete are not necessarily unserviceable.*

5. IT IS FORBIDDEN TO MAKE EXTRACTS FROM OR TO COPY THIS PUBLICATION WITHOUT SPECIFIC AUTHORITY FROM THE CHIEF OF THE BUREAU OF SHIPS EXCEPT AS PROVIDED FOR IN THE REGISTERED PUBLICATIONS MANUAL.

6. Activities requiring this publication and not on the allowance list of the Registered Publications Section should request authority to draw copies by applying to the Chief of the Bureau of Ships or to the nearest Radio Material Officer.

7. It is requested that the Bureau of Ships be advised of any errors in this publication.

J. B. DOW,
Captain, U. S. N.

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EXPLANATION OF THE MODEL LETTER SYSTEMS

Ships 242 contains a list of principal radio and sonar equipments which have been built or purchased by the U. S. Navy and to which model letters have been assigned. These equipments as used by the U.S.Navy fall under the three following categories:

1. Equipment used by the Navy but jointly designed by the Army and the Navy and to which *AN nomenclature* has been assigned.
2. Equipment designed especially for the Naval service and to which *Navy Model Letters* have been assigned.
3. Equipment designed by the Signal Corps, and since some were adaptable to the naval service, purchases were made and the *Signal Corps nomenclature* remained unchanged.

How model letters were assigned to each of these three categories of equipments will be explained in the following paragraphs.

AN Nomenclature.—The AN nomenclature was designed so that a common nomenclature could be used to designate radio and radar apparatus for the Army and Navy. This system is now being applied to all new Signal Corps equipment, to all Naval airborne equipments, and to newly developed equipments under joint procurement by the Army and the Navy.

The AN nomenclature as assigned to complete sets of equipments consists of two letters *AN* (abbreviation for Army-Navy) followed by a slant line and then three identifying letters. These letters on the right-hand side of the slant line are most important as they give a brief description of the equipment. Information as to where the equipment is installed, the type of equipment, and the purpose of the equipment can be easily and quickly interpreted by referring, respectively, to columns 1, 2, and 3 in the table on page 2. Using AN/ARC–2 as an example, we already have learned that *AN* means Army-Navy equipment and that the slant line separates *AN* from the following letters. Locating *A* in column 1, we find that it is an airborne installation; in column 2, *R* indicates that the equipment is radio; and in column 3, *C* indicates that the purpose is for communication. The number following the letters indicates the model number of the equipment. In other words, it is the second model designed for airborne radio communication. If at a later date the equipment is modified, it will be so designated by adding *A*, *B*, etc., after the model number. Other miscellaneous identification (see columns 5 and 6) follows the model number.

It should be noted that the above system applies only to complete sets of equipments. For major units a similar table has been compiled. However, in this publication since *TS* (Test and Measuring equipment) is the only one used, the complete table has been omitted. Major units are indicated by substituting the designating letters and model number for AN. Therefore, a test set model 51 for use with AN/APG–4 is indicated as TS–51/APG–4.

Navy Model Letter System.—The assignment of Navy model letters to Naval equipments depends on the primary function of the equipment, such as receiving, direction finding, etc. Thus, this system is applicable to all radio, radar, and sonar equipments and once learned, facilitates the recognition and identification of all Navy equipments.

A system consisting of the letters of the alphabet was devised, the first letter representing the specific purpose of the equipment. These designations, which are listed below, are then followed by another letter of the alphabet to indicate the order in which designations were assigned. Thus TA was the first transmitting equipment assigned, TB, the next, etc. However, it should be noted that when the alphabet was exhausted, triple letters were used, i. e., TAA etc., and the order of assignment was indicated by changing the third letter; thus, the model letter assigned after TAA, is TAB. Consequently, when the alphabet was again exhausted, a third series of model letters was formed by changing the second model letter to B, such as TBA, TBB, etc. Numbers following model letters indicate a modification of the equipment or the award of a new contract. To indicate a change in equipment after delivery has been made, lower case letters are assigned.

EXPLANATION OF THE MODEL LETTER SYSTEM

1	2	3	4	5	6
First Letter, Installation	*Second Letter, Type of Equipment*	*Third Letter, Purpose*	*Model No.*	*Modification Letter*	*Miscellaneous Identification*
A Airborne (installed & operated in aircraft)	**B** Pigeon	**A** Auxiliary assemblies (not complete operating sets)	**1**	**A**	**X** } Change in input voltage, phase, or frequency
C Air transportable (designed to be air transportable as stated in specification or military characteristics)	**C** Carrier (Wire)	**C** Communications (receiving & transmitting)	**2**	**B**	**Y** } Change in input voltage, phase, or frequency
F Ground, fixed	**F** Photographic	**D** Direction Finder	**3**	**C**	**Z** } Change in input voltage, phase, or frequency
G Ground, general ground use (includes two or more ground installations)	**G** Telegraph or Teletype (Wire)	**G** Gun Directing	**4**	**D**	**XA** Aircraft Radio Laboratory — Experimental Development
M Ground, Mobile (installed as operating unit in a vehicle which has no function other than transporting the equipment)	**I** Interphone and public address	**L** Search Light Control			**XC** Camp Coles Signal Laboratory — Experimental Development
P Ground, pack or portable (horse or man)	**M** Meteorological	**M** Maintenance and test assemblies (including tools)	Etc.	Etc.	**XE** Camp Evans Signal Laboratory — Experimental Development
S Shipboard	**N** Sound	**N** Navigational aids (including altimeters, beacons, compass & instrument landing)			**XM** Fort Monmouth Signal Laboratory — Experimental Development
T Ground, transportable	**P** Radar	**Q** Special			**XN** Navy — Experimental Development
U General utility (includes two or more general installation classes, airborne, shipboard & ground)	**R** Radio	**R** Receiving			**XO** Eatontown Signal Laboratory — Experimental Development
V Ground, vehicular (installed in vehicle designed for functions other than carrying radio equipment, etc. such as tanks)	**S** Special types	**S** Search and/or detecting			**XT** Toms River Signal Laboratory — Experimental Development
	T Telephone (Wire)	**T** Transmitting			**T** Training Set
	V Visual and Light	**W** Remote control			★ Used by Army or Navy and an Allied Government (Precedes AN)
	X Facsimile or Television	**X** Identification & Recognition			

AN Nomenclature Chart.

EXPLANATION OF THE MODEL LETTER SYSTEM

The following designations comprise the Navy Model Letter system:

A	Airborne—used as a prefix to indicate airborne installation as: AR series—Airborne Radio Receiving, etc.
B	IFF.
CX	Commercial experimental.
D	Radio Direction Finding.
E	Emergency Power.
FS	Frequency Shift Keying.
G	Formerly Aircraft Transmitting (now superseded by "A" series).
J	Sonar Listening (Receiving).
K	Sonar Transmitting.
L	Precision Calibrating.
M	Combined Radio Transmitting and Receiving.
Mark	Fire Control Radar.
N	Sonar Navigational Aids including Echo Sounding.
O	Measuring and Operator Training.
P	Automatic Transmitting and Receiving.
Q	Sonar Ranging.
R	Radio Receiving.
S	Search Radar.
T	Radio Transmitting (includes combination Transmitting and Receiving).
U	Remote Control (includes automatic keyers).
V	Radar Repeaters.
W	Combined Sonar Ranging and Sounding.
X	Naval experimental.
Y	Navigational and Landing Aids.
Z	Navigational and Landing Aids (airborne)—superseded by model Y series.

In sonar equipment, the first letter indicates the general use of the equipment. The second letter of the "Q" series equipment designates the type of projector used as follows:

QA	Quartz steel
QB	Rochelle salt
QC	Magnetostriction
QD	Dynamic
QG	Magnetostriction—split-lobe type

Signal Corps Nomenclature.—For Signal Corps equipment, SCR is used to designate radio sets and other complete assemblages while BC indicates units such as receivers, transmitters, control boxes, etc.

626499—45——2

ABBREVIATIONS AND SYMBOLS

A_1 Continuous wave (CW).

A_2 Modulated waves other than voice modulated. In modern equipment, modulated waves in this category are modulated continuous waves (MCW), or as sometimes called "Tone". In some cases older equipments make use of alternating current continuous waves (ACCW) or interrupted continuous waves (ICW). A_2 is used here in a slightly different sense from that implied by the FCC designation.

A_3 Voice modulated waves.

AM Amplitude modulation.

CC Crystal control.

CV Continuously variable oscillator within the indicated bands.

CVE Continuously variable oscillator within the indicated bands (For emergency use—reduced stability).

DF Direction finder.

FM Frequency modulation.

INT Interphone.

kc Kilocycles.

mc Megacycles.

Obsolete Equipment which has been replaced or for which the Bureau of Ships has a current replacement program. The word obsolete, does not necessarily imply that the equipment is unserviceable.

REC Receiver.

TR Transmitter.

* Apparatus bought "off the shelf." Manufacturer's designation is placed in the Remarks column in parentheses.

** Apparatus modified to meet the needs of the service. The manufacturer's former designation is placed in the Remarks column in parentheses.

CONTRACTOR'S DESIGNATING LETTERS

Contractor's prefix letters as assigned by the Bureau of Ships are used to designate the contractor for the equipment. A list of Prefix Letters arranged alphabetically with the corresponding contractor is as follows:

Type No. prefix	*Contractor*
CA	S. S. White Dental Co.
CAA	Arcturus Radio Co.
CAB	Baldwin, Nathaniel.
CAC	Century Telephone Manufacturing Co.
CAD	Aresto Manufacturing Co.
CAE	Cutler Hammer, Inc.
CAF	John Firth.
CAG	General Radio Co.
CAH	Cutter Electric & Manufacturing Co.
CAI	Alladin Radio Industry, Inc.
CAJ	Holtzer-Cabot Co.
CAK	American Braiding Co.
CAL	Locke Insulator Co.
CAM	Manhattan Electrical Supply Co.
CAN	Sangamo Electric Co.
CAO	Ward Leonard Co.
CAP	Photolex Corporation.
CAQ	Robbins & Meyers Co.
CAR	Roller Smith Co.
CAS	American Lava Corporation.
CAT	American Transformer Co.
CAU	Automatic Electric Co.
CAV	Industrial Controller Co.
CAW	Aerovox Wireless Corporation.
CAX	Aerial Machine & Tool Corporation.
CAY	Westinghouse Electric & Manufacturing Co.
CAZ	Brooklyn Metal Stamping Co.
CB	Crocker-Wheeler Co.
CBA	Splitdorf Electric Co.
CBB	Exhibit Supply Co.
CBC	Benjamin Electric Co.
CBD	Brush Development Co.
CBE	Benjamin Electric Manufacturing Co.
CBF	Burke Electric Co.
CBG	Briggs & Stratton Corporation.
CBH	Boston Gear Works.
CBI	Corning Glass Works.
CBJ	Ohio Brass Co.
CBK	Cardwell, Allen D. Manufacturing Co.
CBL	Pacent Electrical Co.
CBM	Submarine Signal Co.
CBN	Central Radio Laboratory.
CBO	Lapp Insulator Co.
CBP	Electrical Specialty Co.
CBQ	Gold Seal Manufacturing Co.
CBR	Burgess Battery Co.
CBS	Bright Star Battery Co.
CBT	Speaker Co., Chas. R.
CBU	Isolantite, Inc.
CBV	Fast Co., John E.
CBW	Duovac Radio Tube Corporation.
CBX	Bodine Electric Co.
CBY	Aircraft Radio Corporation.
CBZ	Allen Bradley Co.
CC	Continental Electric Co.
CCA	Condenser Corporation of America.
CCB	Charles Bond Co.
CCC	Continental Carbon Co.
CCD	Selchell Carlson Corporation.
CCE	Couch Electric Co.
CCF	American Blower Corporation.
CCG	Grimes Manufacturing Co.
CCH	Crouse Hinds.
CCI	Communications Co., Inc.
CCJ	Henry L. Crowley Co.
CCK	H. C. Cook Co.
CCL	Century Electric Co.
CCM	Fenwal, Inc.
CCN	Connecticut Telephone & Electric Co.
CCO	Carborundum Co.
CCP	Ingersoll-Rand Co.
CCQ	Allied Control Co.
CCR	Chisholm Ryder Co.
CCS	Soundscriber Corporation.
CCT	Stromberg-Carlson Co.
CCU	Continental Can Co.
CCV	Acme Electric Co.
CCW	Atlas Aircraft Products Corporation.
CCX	R. W. Cramer, Inc.
CCY	Cinaudagraph Speakers Inc.
CCZ	Hart Manufacturing Co.
CD	Cornell-Dubilier Corporation.
CDA	Diehl Manufacturing Co.
CDB	Bud Radio Inc.
CDC	Dictograph Products Co.
CDD	Allis-Chalmers.
CDE	Air-Tract Manufacturing Corporation.
CDF	Cancelled, *see* CID.
CDG	Dane Electronics Laboratory.
CDH	H. Dietz Co.
CDI	David Bogen, Inc.
CDJ	Dejur-Amsco Corporation.
CDK	Eastman Kodak Co.
CDL	Belmont Radio Corporation.

CONTRACTOR'S DESIGNATING LETTERS

Type No. prefix	*Contractor*
CDM	Mossman, D. P., Co.
CDN	Daven Co.
CDO	Onan & Sons, D. W.
CDP	General Ceramics Co.
CDQ	A. F. Dormeyer Manufacturing Co.
CDR	General Electronics, Inc.
CDS	Electric Auto Light Co.
CDT	Detrola Corporation.
CDU	Allen B. Dumont Laboratory, Inc.
CDV	Communications Development Corporation.
CDW	Duplex Truck Co.
CDX	Rogers Diesel & Aircraft Corporation.
CDY	United Scientific Laboratories, Inc.
CDZ	Electronic Enterprises, Inc.
CE	CECO.
CEA	Eclipse Aviation Corporation.
CEB	Eby, Hugh H.
CEC	Electric Controller Co.
CED	Cannon Electric Development Co.
CEE	Thomas A. Edison, Inc.
CEF	Egli Co., Inc.
CEG	Electric Glass Co., Inc.
CEH	Acme Electric Heating Co.
CEI	Electrad, Inc. (Obsolete, *see* CMA).
CEJ	Johnson, E. F.
CEK	Eicor, Inc.
CEL	Electrons, Inc.
CEM	Cornel Electric Manufacturing Co.
CEN	Central Radio Corporation.
CEO	Electrical Windings Co.
CEP	Amperex Electronic Products Co.
CEQ	Continental Electric Co.
CER	Erie Resistor Corporation.
CES	Exide Electric Storage Battery Co.
CET	Strong Electric Corporation.
CEU	Electrical Utilities Co.
CEV	Esterline-Angus Co.
CEW	Cleverly Electrical Works, Inc.
CEX	Emerson Radio & Phonograph Corporation.
CEY	Comar Electric Co.
CEZ	Electronic Mechanics, Inc.
CF	Deforest Radio Co.
CFA	Bussman Manufacturing Co.
CFB	Ray-O-Vac Co.
CFC	Ferris Instrument Co.
CFD	Federal Manufacturing & Engineering Co.
CFE	Fada Radio & Electric Co., Inc.
CFF	Freed Radio Corporation.
CFG	Fisher Price & Co.
CFH	Radio Research Laboratory.
CFI	Ford Instrument Co.
CFJ	Fairchild Aviation Corporation.
CFK	A. W. Franklin Manufacturing Co.
CFL	Link, Fred M.
CFM	Froiland Manufacturing Co.
CFN	Farnsworth Television & Radio Corporation.
CFO	American Brake Shoe & Foundry
CFP	McIntyre Connector Co.
CFQ	Florida Aircraft Radio Corporation.
CFR	Ferranti Electric, Inc.
CFS	Federal Anti-Capacity Switch Co.
CFT	Federal Telephone & Radio Corporation.
CFU	Tillotson Furniture Co.
CFV	Foxboro Co.
CFW	Sickles, F. W., Co.
CFX	Freed Transformer Co.
CFY	Perfection Plastics Products.
CFZ	S. W. Farber, Inc.
CG	General Electric Co.
CGA	Goodyear Aircraft Corporation.
CGB	Biddle Co., James G.
CGC	General Control Co.
CGD	General Dry Batteries, Inc.
CGE	Guardian Electric Manufacturing Co.
CGF	Gudeman Co.
CGG	Galvin Manufacturing Corporation.
CGH	Girard Hopkins Co.
CGI	Gilfillan Bros.
CGJ	Gisholt Machine Co.
CGK	General Lead Batteries Co.
CGL	Guild Manufacturing Co. (Tool & Die Division).
CGM	General Motors (Delco-Remy).
CGN	General Tire & Rubber Co.
CGO	Geophysical Service, Inc.
CGP	Philharmonic Radio Corporation.
CGQ	Garod Radio Corporation.
CGR	Goodrich Tire & Rubber Co.
CGS	Gray Radio Co.
CGT	Trumbull Electric Manufacturing Co.
CGU	Bogue Electric Co.
CGV	Gray Manufacturing Co.
CGW	Globe-Wernecke Co.
CGX	G-M Laboratory, Inc.
CGY	Grant Storage Battery Co.
CGZ	General Communications Co.
CH	Signal Engineering & Manufacturing Co.
CHA	Harley Davidson Motor Co.
CHB	H-B Instrument Co.
CHC	Hammarlund Manufacturing Co.
CHD	Hardwick-Hindle, Inc.
CHE	Henchelle, Chas. J. & Co., Inc.
CHF	Howard Manufacturing Co.
CHG	Halstead Traffic Communication.
CHH	Arrow-Hart & Hegemad Electric Co.
CHI	Higgins Industries.
CHJ	Henry Manufacturing Co.
CHK	Hicock Electric Instrument Co.
CHL	Hallicrafter Co.
CHM	Horton Manufacturing Co.
CHN	Heinemann Circuit Breaker Co.
CHO	H. O. Boehme, Inc.
CHP	Hayden Manufacturing Co.
CHQ	Hobart Bros.
CHR	Herback & Rademan, Inc.
CHS	Hygrade Sylvania Corporation.
CHT	Hertner Electric Co.
CHU	Harvey Hubbell, Inc.

CONTRACTOR'S DESIGNATING LETTERS

Type No. prefix	*Contractor*
CHV	Hedstrom Union Co.
CHW	Howard Radio Co.
CHX	Hopes Windows, Inc.
CHY	Hytron Corporation
CHZ	Hazeltine Electronics Corporation.
CI	Connectors, Inc.
CIA	Airplane & Marine Instruments.
CIB	Brumberger, Inc.
CIC	Collins Instrument Co.
CID	Doolittle Radio, Inc.
CIE	Industrial Condenser Corporation.
CIF	Industrial Instruments, Inc.
CIG	The General Industries Co.
CIH	Hamilton Radio Corporation.
CIJ	Barlow Engineering Co.
CIK	Edwards & Co., Inc.
CIL	Ex (National Telephone & Radio Manufacturing Corporation).
CIM	Eitel-McCollough Co.
CIN	Indian Motorcycle Co.
CIP	International Projector Co.
CIQ	The Cundy-Bettoney Co., Inc.
CIR	International Resistor Corporation.
CIS	Supreme Instrument Corporation.
CIT	International Telephone & Telegraph Corporation.
CIU	Mendelsohn Speed Gun Co.
CIV	Indiana Steel Products Co.
CIW	Wayne Iron Works.
CIX	Remington Rand.
CIY	Rauland Corporation.
CIZ	Industrial & Commercial Electronics.
CJ	New Haven Clock Co.
CJA	Millen Co., James.
CJB	Bunnel, J. H.
CJC	Jones, Howard B.
CJD	J. F. D. Manufacturing Co.
CJE	Jefferson Electric Co.
CJF	Friez, J. P.
CJG	Stanley Chair Co.
CJH	Snyder, H. P., Co., Inc.
CJI	J. A. Maurer, Inc.
CJJ	Sound Equipment Corporation of California.
CJK	Brittain Sound Equipment Co.
CJL	Dallons Laboratories.
CJM	Janette Manufacturing Co.
CJN	North Electric & Manufacturing Co.
CJO	John Oster Manufacturing Co.
CJP	J. P. Seeburg.
CJQ	Bliley Manufacturing Corporation.
CJR	Jonsonburg Radio Corporation.
CJS	Jenson Radio Manufacturing Co.
CJT	Trojan Rectifier & Equipment Co.
CJV	Scientific Industries.
CJW	American Jewels Corporation.
CJX	Sears & Roebuck.
CJY	Leach Bros., Inc.
CJZ	Radio City Products Co.
CKA	Acme Wire Co.
CKB	Hoffman Radio Corporation.
CKC	Kohler Co.
CKD	Airplane & Mariner Direction Finder Co.
CKE	Espey Manufacturing Co.
CKF	Kearfott Engineering Co.
CKG	Kellogg Switchboard & Supply Co.
CKH	Heintz & Kaufman.
CKI	Chicago Apparatus Co.
CKJ	Karp Metal Products Co., Inc.
CKK	Templeton Radio Co.
CKL	Lennox Manufacturing Co.
CKM	August E. Miller Laboratories.
CKN	Marathon Battery Co.
CKO	Kato Engineering Co.
CKP	Air King Products Co.
CKQ	Kirsch Co.
CKR	Kenrad Tube & Lamp Corporation.
CKS	Koenig & Schoner, Inc.
CKT	Kenyon Transformer Co.
CKU	Kurman Electrical Co.
CKV	Aircraft Accessories.
CKW	Walter Kidde & Co., Inc.
CKX	Blaw-Knox Co.
CKY	Beaumont Electric Supply.
CKZ	Standard Piezo Co.
CLA	Allis, Louis.
CLB	Clough Brengle Co.
CLC	Lauson Co.
CLD	Dura Electric Lamp Co., Inc.
CLE	Lenz Electric Manufacturing Co.
CLF	Littelfuse Laboratories, Inc.
CLG	Electronic Laboratories, Inc.
CLH	Alto Manufacturing Co.
CLI	Lectrohm, Inc.
CLJ	Langeyin Co., Inc.
CLK	Electronic Industries.
CLL	Leland Electric Co.
CLM	Lynch Manufacturing Co., Inc.
CLN	Leeds & Northrup.
CLO	Louthan Manufacturing Co.
CLP	Lewyt Metal Products Co.
CLQ	Liebel-Flarsheim Co.
CLR	Leach Relay Co.
CLS	L. S. Brach Co.
CLT	Lundquist Tool & Manufacturing Co.
CLU	Columbia University Airborne Instrument Laboratory.
CLV	Line Material Co.
CLW	Leviton Manufacturing Co.
CLX	Altec-Lansing Corporation.
CLY	Lion Manufacturing Co.
CLZ	Seiberling Latex Products Co.
CM	Bendix Marine Division, Bendix Aviation.
CMA	P. R. Mallory Co.
CMB	Milwaukee Boiler Co.
CMC	Clarostat Manufacturing Co.
CMD	Midwest Radio Corporation.
CME	Radio Manufacturing Engineers, Inc.
CMF	Electro-Motive Manufacturing Co.

CONTRACTOR'S DESIGNATING LETTERS

Type No. prefix	Contractor
CMG	Cinch Manufacturing Co.
CMH	American Radio Hardware Co.
CMI	Molded Insulation Co.
CMJ	A. J. Miller Auto Cruiser Co.
CMK	McElroy, Theodore R.
CML	Meissner Electric Manufacturing Co.
CMM	Miller Coil Co.
CMN	Michigan Truck & Trailer Body Co.
CMO	Miller Rubber Co.
CMP	Master Electric Co.
CMQ	John E. McNamara & Sons.
CMR	Micamold Radio Corporation.
CMS	Federal Stamping & Engineering Corporation.
CMT	McKiernan-Terry Corporation.
CMU	Micro-Switch Corporation.
CMV	Memovox, Inc.
CMW	Majestic Radio & Television Corporation.
CMX	Magnavox Co.
CMY	Marion Electrical Instrument Co.
CMZ	Majestic Metal Specialties.
CN	National Electrical Machine Shops, Inc.
CNA	National Co.
CNB	Noma Electric Corporation.
CNC	National Carbon Co.
CND	Andrea Radio Corporation.
CNE	National Electrical & Manufacturing Co.
CNF	Carlisle & Finch Co.
CNG	National Automatic Ordnance Co.
CNH	The Murray Co.
CNI	Graton & Knight Co.
CNJ	National Automotive Fibres, Inc.
CNK	Kingston Products Corporation.
CNL	Northeast Electric Co.
CNM	National Mineral Co.
CNN	National Cash Register Co.
CNO	Noblitt-Sparks Industries, Inc.
CNP	National Porcelain Co.
CNQ	Bell & Thorn, Inc.
CNR	Northern Radio Co.
CNS	Nash Engineering Co.
CNT	Norwalk Transformer Corporation.
CNU	National Union Radio Corporation.
CNV	Lektra Laboratory Inc.
CNW	Charles W. Wolf & Co., Inc.
CNX	Pneumatic Scale Co.
CNY	North American Philips Co., Inc.
CNZ	National Fabricated Products, Inc.
COA	Abbott Instrument, Inc.
COB	Barber-Colman Co.
COC	Oak Manufacturing Co.
COD	Daunt Manufacturing Co.
COE	Ohio Electric Manufacturing Co.
COF	Photoplating Co., The
COG	Gorham Manufacturing Co.
COH	Ohio Carbon Co.
COI	Cords Limited
COJ	The Okonite Co.
COK	Consolidated Engineering Corporation.
COL	Collins Radio Co., Inc.
COM	Ohmite Manufacturing Co.
CON	Connecticut Electric Manufacturing Co.
COO	Boonton Metal Products Co.
COP	Standard Plastics Co.
COQ	Automatic Signal Corporation.
COR	Ross Manufacturing Co.
COS	Simplex Wire & Cable Co.
COT	Oxford Tartak Corporation.
COU	R. Cooper, Jr.
COV	Harptone Manufacturing Corporation.
COW	Wilcox Gap Corporation.
COX	Continental Motors Corporation.
COY	Marathon Co.
COZ	Sonotone Corporation.
CP	R. C. Powell.
CPA	Palmer Co.
CPB	Price Bros., Inc.
CPC	Potter Co.
CPD	Communication Products Co.
CPE	Premier Electric Manufacturing Co.
CPF	Precision Apparatus Co.
CPG	Pioneer Gen-E-Motor Co.
CPH	American Phenilic Corporation.
CPI	Polin Co.
CPJ	John L. Pragel Co.
CPK	Presto Recording Corporation.
CPL	Philadelphia Thermostat Co.
CPM	Paper Manufacturers Co.
CPN	Panoramic Radio Corporation.
CPO	Pioneer Instrument Co.
CPP	Porcelain Products Co.
CPQ	Speer Resistor Corporation.
CPR	Philco Radio & Television Corporation.
CPS	Sperling Products Co.
CPT	Precision Thermostat & Instrument Co.
CPU	Peerless Electrical Products.
CPV	Pratt Industries, Inc.
CPW	Philadelphia Insulated Wire Co.
CPX	Paragon Electric Co.
CPY	Packard Bell Co.
CPZ	Pressed Steel Tank Co.
CQA	The Astatic Corporation.
CQB	Bliley Electric Co.
CQC	Admiral Corporation.
CQD	Air Communications, Inc.
CQE	Bell Sound System.
CQF	Permoflux Corporation.
CQG	Belden Manufacturing Co.
CQH	Hudson Supply Co.
CQI	Perma-Bilt Diesel Ritter Corporation.
CQJ	Harvey Radio Laboratory.
CQK	Travler Karenola R & T Corporations.
CQL	E. A. Laboratories.
CQM	Elector-Marine Co.
CQN	Slater Manufacturing Co., Inc.
CQO	Homelite Corporation.
CQP	Par-Metal Products Corporation.
CQQ	Daughetee Manufacturing Co.
CQR	Russell Electric Co.

CONTRACTOR'S DESIGNATING LETTERS

Type No. prefix	Contractor
CQS	Schuttig & Co.
CQT	Technical Laboratories.
CQU	American Condenser Co.
CQV	Ansley Radio Corporation.
CQW	Sparks-Withington Co.
CQX	Lexington Electric Products Co., Inc.
CQY	Sherron Metallic Corporation.
CQZ	Presto Electric Co.
CR	Wireless Specialty Apparatus Co.
CRA	Utah Radio Products Co.
CRB	Airadio, Inc.
CRC	RCA Manufacturing Co. (Radiotronics Division).
CRD	Racon Electric Co., Inc.
CRE	Audio Research, Inc.
CRF	Radiart Corporation.
CRG	E. M. Sargent.
CRH	A. E. Rittenhouse.
CRI	Colonial Radio Corporation.
CRJ	Commercial Radio Equipment Co.
CRK	Radio Condenser Co.
CRL	Remler Co., Ltd.
CRM	Radiomarine Corporation of America.
CRN	Radio Navigation Instrument Co.
CRO	Crosley Corporation.
CRP	Raytheon Manufacturing & Products Co.
CRQ	Radio Communications Equipment Co.
CRR	Bendix Radio Division of Bendix Aviation.
CRS	Cable Radio Corporation.
CRT	Champion Radio Tube Co.
CRU	Ray Supply Co.
CRV	RCA Victor Division of RCA.
CRW	Royal Electric Manufacturing Co.
CRX	Radex Corporation.
CRY	C. P. Clare & Co.
CRZ	Consolidated Radio Products Co.
CS	Sperry Gyroscope Co.
CSA	Stackpole Carbon Co.
CSB	Sun Shipbuilding & Drydock Co.
CSC	Sampson Electric Co.
CSD	Struthers Dunn, Inc.
CSE	Signal Electric Manufacturing Co.
CSF	Sprague Specialties Co.
CSG	Stanley & Patterson.
CSH	Sherman, H. B.
CSI	Sigma Instruments, Inc.
CSJ	Stupakoff Ceramic & Manufacturing Co.
CSK	Switlik Parachute & Equipment Co.
CSL	Solar Manufacturing Co.
CSM	Shallcross Manufacturing Co.
CSN	Standard Transformer Co.
CSO	States Co.
CSP	Seymour Products Co.
CSQ	Spencer Thermostat Co.
CSR	Russell & Stoll Co.
CSS	F. M. Stevenson Co.
CST	Star Electric Co.
CSU	Springfield Upholstering Co.
CSV	Simpson Electric Co.
CSW	American Steel & Wire Co.
CSX	Selector Manufacturing Corporation.
CSY	Sola Electric Co.
CSZ	Square D Co.
CTA	Ceramic Specialties Co.
CTB	The Bristol Co.
CTC	Chicago Telephone Supply Co.
CTD	Tobe-Deutschmann Corporation.
CTE	Telephonics Corporation.
CTF	Finch Telecommunications.
CTG	General Transformer Corporation.
CTH	Thordarson Electric & Manufacturing Co.
CTI	Taylor Instrument Co.
CTJ	Electronic Corporation of America.
CTK	Technical Device Corporation.
CTL	Tung-Sol Lamp Works, Inc.
CTM	Triad Manufacturing Co.
CTN	Teleradio Engineering Corporation.
CTO	Triplett Electric Instrument Co.
CTP	Ribbon & Ticker Paper Co.
CTQ	The Turner Co.
CTR	Chicago Transformer Co.
CTS	Thomas Flexible Coupling Co.
CTT	Teletype Corporation.
CTU	Triumph Manufacturing Co.
CTV	T. W. T. Co., Inc.
CTW	Webster Co.
CTX	Trimm, Inc.
CTY	Taylor Tubes, Inc.
CTZ	Technical Appliance Corporation.
CU	Edison Storage Battery Co.
CUA	Ulmer, A. J.
CUB	Edward G. Budd Manufacturing Co.
CUC	Union Switch Co.
CUD	Audio Development Co.
CUE	United Electronics Co.
CUF	United-Carr Fastener Co.
CUG	United Guitar Corporation.
CUH	McGlynn-Hays Manufacturing Co.
CUI	Builders Iron Foundry Co.
CUJ	Pappan Stove Co.
CUK	Kane Manufacturing Co.
CUL	University Laboratory.
CUM	Mu Switch Corporation.
CUN	United Engineering Co.
CUO	Auto Ordnance Co.
CUP	United Pressed Products.
CUQ	Akley Camera, Inc.
CUR	Reeds Sound Laboratory.
CUS	United States Electric Manufacturing Corporation.
CUT	United Transformer Corporation.
CUU	Leach Co.
CUV	Dictaphone Corporation.
CUW	United Wood Specialty Co.
CUX	Western Felt Works.
CUY	Lithaloy Corporation.
CUZ	United States Television Manufacturing Corporation.

CONTRACTOR'S DESIGNATING LETTERS

Type No. prefix	*Contractor*
CV	Weston Electric Instrument Corporation.
CVA	Aviometer Corporation.
CVB	B. & R. Spring Co.
CVC	Chapman Valve Manufacturing Co.
CVD	Willys Overland Motor Co.
CVE	The Vendo Co.
CVF	Viewtone Co.
CVG	Electronic Tube Corporation.
CVH	Vanderherchen Co.
CVI	Vickers, Inc.
CVJ	Waters Conley Co.
CVK	Virginia Plak Co.
CVL	Electro-Voice Manufacturing Co.
CVM	United States Motors Corporation.
CVN	B. F. Sturtevant Co.
CVO	Tock Manufacturing Co.
CVP	Pathfinder Radio Corporation.
CVQ	Alleghany Ludlum Steel Corporation.
CVR	Rockbestos Products Corporation.
CVS	R. E. S. Swam.
CVT	Victor Insulators, Inc.
CVU	Union Piezo Co.
CVV	Wiegand, Edwin, Jr., Co.
CVW	Widin Metal Goods Co.
CVX	American Microphone Co.
CVY	Schwarze Electric Co.
CVZ	Sanders Bros. Manufacturing Co.
CW	Western Electric Co.
CWA	Ward Products Co.
CWB	Willard Storage Battery Co.
CWC	Wirt Co.
CWD	Wincharger Corporation.
CWE	Adams & Westlake.
CWF	Warwick Manufacturing Corporation.
CWG	Automatic Winding Co.
CWH	Whitlock Coil Pipe Co.
CWI	Washington Institute of Technology.
CWJ	Wind Turbine Co.
CWK	Central Armature Works.
CWL	Westinghouse Lamp Co.
CWM	Wisconsin Motors Corporation.
CWN	Winters & Crampton Corporation.
CWO	Webster Chicago Corporation.
CWP	Winship Co.
CWQ	Wells-Gardner & Co.
CWR	Worthington Pump and Machinery Corporation.
CWS	Stewart-Warner Corporation.
CWT	Wallace & Tiernan Products, Inc.
CWU	William Wurdack Electric Manufacturing Co.
CWV	Harvey Wells Communications.
CWW	Witt-Will Co.
CWX	Weksler Thermometer Corporation.
CWY	William H. Whiting Co.
CWZ	Witte Engine Works.
CYA	Alden Products Co.
CYB	Birnback Radio Co.
CYC	Merit Coil Manufacturing Co.
CYD	Bryant Electric Co.
CYE	Engineering & Research Corporation.
CYF	Froelich, S., Co., Inc.
CYG	International Business Machines Corporation.
CYH	Wholesale Radio Laboratories.
CYI	Yawman Erbe Manufacturing Co.
CYJ	Radio Engineering Laboratories, Inc.
CYK	Boonton Radio Corporation.
CYL	Metal Weld, Inc.
CYM	Yaxley Manufacturing Co. (obsolete, *see* CMA).
CYN	Lewis Electronics.
CYO	Samuel M. Pistorio.
CYP	Powercraft Corporation.
CYQ	Buda Engine & Equipment Co.
CYR	Research Enterprises Ltd.
CYS	Sperti Inc.
CYT	Yale & Towne Manufacturing Co.
CYU	Underwood Electric & Manufacturing Co.
CYV	Press Wireless Inc.
CYW	W. T. Wallace Manufacturing Co.
CYX	Climax Engineering Co.
CYY	Silman Manufacturing Corporation.
CYZ	Sanborn Co.
CZA	Alliance Manufacturing Co.
CZB	Breeze Corporation.
CZC	E. H. Scott Radio Laboratories, Inc.
CZD	David White Co.
CZE	Electrical Research Laboratories, Inc.
CZF	Frequency Measuring Service.
CZG	Gephart Manufacturing Co.
CZH	Humble Oil & Refining Co.
CZI	Hipwell Manufacturing Co., Inc.
CZJ	Z & Z Manufacturing Co.
CZK	J. Kreiser Corporation.
CZL	Bendix Aviation Ltd.
CZM	Soreng-Manegold Co.
CZN	Monitor Piezo Products Co.
CZO	Super Electric Products Corporation.
CZP	Plastimold Inc.
CZQ	Communications Measurements Laboratories.
CZR	Zenith Radio Corporation.
CZS	R. H. Sheppard Co.
CZT	Caterpillar Tractor Co.
CZU	Sonora Radio & Television Corporation.
CZV	Schauer Machine Co.
CZW	Scientific Coil & Wire Co.
CZX	Crystal Products Co.
CZY	Allied Radio Corporation.
CAAA	Nedco Manufacturing Co.
CAAB	Thompson, Davis, Phipps Corporation.
CAAC	New York Transformer Co.
CAAD	Dalmo Victor Co.
CAAE	Warren Leather Goods Co.
CAAF	Willard Manufacturing Co.
CAAG	Universal Microphone Co., Ltd.
CAAH	Cancelled. (*See* CCV.)
CAAI	Capacitron Inc.
CAAJ	Wilder Manufacturing Co.
CAAK	M. H. Rhodes Inc.

CONTRACTOR'S DESIGNATING LETTERS

Type No. prefix	*Contractor*
CAAL	Webster Products Co.
CAAM	Chicago Streamlite Corporation.
CAAN	G. C. Hunt & Sons.
CAAO	Commercial Crystal Co.
CAAP	Hammond Instrument Co.
CAAQ	Belber Trunk & Bag Co.
CAAR	Beals & Selkirk Trunk Co.
CAAS	H. C. Evans & Co.
CAAT	Mills Novelty Co.
CAAU	Waldorf Kerns & Co.
CAAV	Harrisburg Steel Corporation
CAAW	Work-in-Wood Inc.
CAAX	K. D. Noble.
CAAY	Ohmer Register Co.
CAAZ	Radionic Research Co.
CABA	Fisher Autotop Co., The.
CABB	Fords Products Inc.
CABC	Real Silk Hosiery Mill, Inc.
CABD	United Cinephone Corporation.
CABE	Photoswitch, Inc.
CABF	Operadio Manufacturing Co.
CABG	Commet Model & Airplane Supply Co.
CABH	Signal Electronic & Manufacturing Co.
CABI	William Busse & Son, Inc.
CABJ	Lionel Corporation.
CABK	Western Sound & Electric Laboratory Inc.
CABL	Frank Rieber.
CABM	W. F. Schrafft & Sons Corporation.
CABN	Lehigh Structural Steel Co.
CABO	Penn Boiler & Burner Manufacturing.
CABP	York-Hoover Body Corporation.
CABQ	O'Keefe & Merritt Co.
CABR	Benwood Linze Co.
CABS	Palmer Electric & Manufacturing Co.
CABT	Ross-Frankel Co., Inc.
CABU	Superior Electric Co.
CABV	Johnson Service Co.
CABW	International Industries, Inc.
CABX	Industrial Tool & Die Co.
CABY	Tuttle & Kift.
CABZ	Edison Appliance.
CACA	Times Telephoto Equipment Inc.
CACB	Airtronics Development Corporation.
CACC	Heller Magnograph Corporation
CACD	Dayton Wheel Co.
CACE	Crystal Research Laboratories.
CACF	General Crystal Co.
CACG	T. R. Hoffman.
CACH	L. C. Smith & Corona Typewriter, Inc.
CACI	Keystone Piezo.
CACJ	Franklin Transformer Co.
CACK	Karr Engineering Co.
CACL	Wenksterm Halsey Co.
CACM	Quartz Laboratory.
CACN	Wynne Precision Co.
CACO	Leuck Electric Co.
CACP	Pacific Radio Crystal Co
CACQ	Telex Products Co.
CACR	Mark Simpson Manufacturers.
CACS	Lyon & Healy.
CACT	Highway Trailer Co.
CACU	Whiting-Davis Co.
CACV	American Aircraft Co.
CACW	American Time Products.
CACX	Andrew B. Hendryx.
CACY	Stanwick Winding Co.
CACZ	W. S. Wilson Corporation
CADA	Chicago Avenue Chevrolet.
CADB	D-X Crystal Co.
CADC	Electrical Products Corporation.
CADD	Checker Cab Manufacturing Corporation.
CADE	Higgins Industries Corporation.
CADF	Standard Transformer Corporation.
CADG	Scientific Radio Products Co.
CADH	Standard Coil Products Co.
CADI	James Knight Co.
CADJ	Gentleman Products.
CADK	Kuthe Laboratories, Inc.
CADL	Electronic Industries.
CADM	Hollister Crystal Co.
CADN	R-9 Crystal Co. Inc.,
CADO	Silver City Crystal Co.
CADP	General Piezo Co.
CADQ	Hatcher-Fisk Manufacturing Co.
CADR	Sun Manufacturing Co.
CADS	Metal Hydrides, Inc.
CADT	Robert Brand & Son Co.
CADU	Pacific Electronics Co.
CADV	Stoddart Aircraft Radio Co.
CADW	Spanjer Bros.
CADX	Deal Mill & Lumber Co.
CADY	Nikor Products Co.
CADZ	Haywood Chemical Co.
CAEA	American Laundry & Machinery Co.
CAEB	Keystone Manufacturing Co.
CAEC	Bell & Howell & Co.
CAED	Amplifier Corporation of America.
CAEE	Watson Co.
CAEF	Theodore Schwamb Co.
CAEG	Eastern Co.
CAEH	Electro-Technical Laboratories, Inc.
CAEI	Texas Electronics Co.
CAEJ	Leich Electric Co.
CAEK	Hanovia Chemical & Manufacturing Co.
CAEL	Arthur C. Lynch.
CAEM	Bronze-Craft Inc.
CAEN	Fractional Motors Co.
CAEO	Midco Manufacturing & Distributing Co.
CAEP	Standard Arts Co.
CAEQ	Grenby Manufacturing Co.
CAER	Hunt Bros. & Rasin, Inc.
CAES	J. H. Keeney & Co., Inc.
CAET	De Vry Corporation.
CAEU	American Crossarm & Conduit Co.
CAEV	Research Construction Co.
CAEW	Fidelity Machine Co.
CAEX	Miller Manufacturing Co.
CAEY	Sparks Manufacturing Co.

CONTRACTOR'S DESIGNATING LETTERS

Type No. prefix	Contractor
CAEZ	International Mutoscope.
CAFA	RBM Manufacturing Co.
CAFB	Federal Electric Products Co.
CAFC	Fay & Scott Co.
CAFD	Barbour Stockwell Co.
CAFE	Fellows Gear Shaper Co.
CAFF	Redmond Electric Co.
CAFG	Hudson American Corporation.
CAFH	Technical Radio Co.
CAFI	Shure Bros.
CAFJ	Standard Rolling Mills Inc.
CAFK	Duro Test Corporation.
CAFL	Jacobson Manufacturing Co.
CAFM	Richardson-Allen Corporation.
CAFN	Payne Furnace & Supply Co.
CAFO	Lewis Supply Co.
CAFP	Carson Machine & Supply.
CAFQ	Radio Receptor Inc.
CAFR	Harper Co., The.
CAFS	Stanley Engineering Co.
CAFT	Thermador Electric Manufacturing Co.
CAFU	Black Industries, Mec-Rad Division.
CAFV	Henry H. Sheit.
CAFW	Walworth Co.
CAFX	Oshkosh Trunk & Luggage Co.
CAFY	Lambert Meter Co.
CAFZ	Baldor Electric Co.
CAGA	Allen E. Chrisholm.
CAGB	Broadway Electric Co.
CAGC	Sal-Mar Laboratories, Inc.
CAGD	Machlett Laboratories, Inc.
CAGE	American Television Laboratories.
CAGF	Merritt Mounting & Finish Corporation.
CAGG	Simon Co.
CAGH	Rigid Board Products Co.
CAGJ	G. Felsenthal & Sons.
CAGK	Ampherite Co.
CAGL	John R. Hollingsworth Co.
CAGM	Radio Controls Inc.
CAGN	Atlas Metal Stamping Co.
CAGO	W. C. Fleck & Brothers, Inc.
CAGP	Smith Welding Equipment Corporation.
CAGQ	Ray Jefferson, Inc.
CAGR	Dewey Almy.
CAGS	Molded Matex.
CAGT	Horni Signal Corporation.
CAGU	Measurements Corporation.
CAGV	Nichols Products Co.
CAGW	Camfield Manufacturing Co.
CAGX	Waterman Products Co.
CAGY	Walter L. Schott Co.
CAGZ	Greenway Reflector Co.
CAHA	Sound Products Co.
CAHB	Churchill Cabinet Co.
CAHC	Barker & Williamson.
CAHD	Warner Products.
CAHE	Translite, Inc.
CAHF	Cancelled. (*See* CDR.)
CAHG	Chathan Electronics.
CAHH	New York Drop Cloth Manufacturing Co.
CAHI	Ajax Leather Manufacturing Co.
CAHJ	Eagle Electric Manufacturing Co.
CAHK	C. Bruno & Sons, Inc.
CAHL	General Television & Radio Corporation.
CAHM	Quam-Nickolas Co.
CAHN	Radio Speaker, Inc.
CAHO	Thomas M. Marshal.
CAHP	Dillon Beck Manufacturing Co.
CAHQ	Associated Metal Products Co.
CAHR	J. & B. Manufacturing Co.
CAHS	C. L. Gougler Machine Co.
CAHT	Couse Laboratories.
CAHU	Trailer Co. of America.
CAHV	Clark Supply Co.
CAHW	Crowe Nameplate Co.
CAHX	Marine Radio Co.
CAHY	Cambridge Instrument Co.
CAHZ	Rex Bassett, Inc.
CAIA	William Meyers Co.
CAIB	Electrical Indicator Co.
CAIC	Mitchell Camera Corporation.
CAID	Chrysler Corporation.
CAIE	Bruno-New York, Inc.
CAIF	Simmons Bros., Inc.
CAIG	Condenser Products Co.
CAIH	Brenkert Light Projection Co
CAII	Allied Housing Associates Inc.
CAIJ	Pan-Electronics Laboratories, Inc.
CAIK	Robinson Aviation, Inc.
CAIL	Colonial Brass Co.
CAIM	American Steel Package Co.
CAIO	Adler Manufacturing Co.
CAIP	Royal Maid Manufacturing Co.
CAIQ	Rumsey Electric Co.
CAIR	Electrical Reproduction Co.
CAIS	Birtcher Corporation, The.
CAIT	Sillcocks Miller Co.
CAIU	Power Equipment Co.
CAIV	Roos, Ed., Co., of Forest Park.
CAIW	Voltz Bros. Inc.
CAIX	Kerby Saunders Manufacturing Co.
CAIY	American Bowling & Billiard Co.
CAIZ	Marathon Electric Manufacturing Co.
CAJA	Browning Laboratories.
CAJB	Eastern Amplifier Co.
CAJC	Newton Corporation.
CAJD	Wurlitzer, Rudolph, Co.
CAJE	Hylite Corporation.
CAJF	Victor J. Andrew Co.
CAJG	International Diesel Elec.
CAJH	York Ice Machinery Corporation.
CAJI	McGrade Manufacturing Co.
CAJJ	Garner Electronics Corporation.
CAJK	Crown Venetian Blinds Co.
CAJL	Bigelow-Sanford Carpet Co.
CAJM	Webster Electric Co.
CAJO	Electro-Lux Corporation.
CAJP	Morgan Construction Co.

CONTRACTOR'S DESIGNATING LETTERS

Type No. prefix	Contractor
CAJQ	Amco Products Co.
CAJR	Lavoie Laboratories.
CAJS	Palmer-Bee Co.
CAJT	Waldvogel Bros. Co.
CAJU	John E. Lingo & Son Inc.
CAJV	Columbia Electric Manufacturing & Co.
CAJW	Groves Corporation.
CAJX	A. P. Foster Co.
CAJY	Davison Chemical Corporation.
CAJZ	Electronic Specialty Co.
CAKA	Ruby Electric Co.
CAKB	Dielectric Products Corporation.
CAKC	Crescent Industries, Inc.
CAKD	Muter Co.
CAKE	Quad Manufacturing Co.
CAKF	Waukesha Motor Co.
CAKG	Safety Car Heating & Lighting Co.
CAKH	Camera Equipment Co.
CAKI	Commercial Radio Sound Corporation.
CAKJ	General Electronics Industry.
CAKK	General Instrument Corporation.
CAKL	Fruehauf Trailer Co.
CAKM	S. Dresner & Son, Inc.
CAKN	Bunting Glider.
CAKO	Apex Electric Co.
CAKP	George Evans Corporation.
CAKQ	Warner & Swasey Co.
CAKR	Ashtabula Auto Equipment.
CAKS	Heyer Products Co.
CAKT	National Cine Laboratory.
CAKU	Winslow Co.
CAKV	Hill Diesel Engine Co.
CAKW	Virginia Lincoln Co.
CAKX	Columbia Machine Works, Inc.
CAKY	Wheeler Insulated Wire Co.
CAKZ	Diamond Instrument Co.
CALA	Communication Equipment & Engineering Co.
CALB	Electric Motors & Specialty Co.
CALC	John J. Nesbitt.
CALD	Vandercook & Sons.
CALE	Neumode Products Corporation.
CALF	Durham, Inc.
CALG	Columbia Broadcasting System.
CALH	Engineering Laboratories, Inc.
CALI	Bantam Products Co.
CALJ	Archwin Co.
CALK	Bowen & Co.
CALM	Cole Steel Co.
CALN	Reiner Electronics Co.
CALO	Bond Equipment Co.
CALP	Pitney-Bowes Postage Meter Co.
CALQ	Aircraft Specialty Products Co.
CALR	Zenith Associates Co.
CALS	Hercules Electrical Co.
CALT	Industrial Transformer Corporation.
CALU	Chicago Industrial Instrument Co.
CALV	Plymouth Wood Products.
CALW	Electromatic Distributor, Inc.
CALX	Tyer Rubber Co.
CALY	Klumpp Manufacturing Co.
CALZ	Bryant Checking Grinder Co.
CAMA	Charles J. Bodnar, Inc.
CAMB	Carlisle Crystal Co.
CAMC	Crystal Laboratory.
CAMD	Good-All Electric Manufacturing Co.
CAME	Monowatt Electric Corporation.
CAMF	National Scientific Products Co.
CAMG	Peterson Radio Co.
CAMH	Precise Development Co.
CAMI	Radell Crystal Co.
CAMJ	Radio Specialty Manufacturing Co.
CAMK	Sipp-Eastwood Corporation.
CAML	Somerset Laboratory, Inc.
CAMM	Telicon Corporation.
CAMN	Trulite Research Laboratories, Inc.
CAMO	Wonderlite Co.
CAMQ	Cambridge Thermionic Corporation.
CAMR	American Lady Corset Co.
CAMT	Universal Television System.
CAMU	Valpey Crystal Corporation.
CAMV	Lavelle Aircraft Corporation.
CAMW	Commercial Equipment Co.
CAMX	Federal Engineering Co.
CAMY	Flight Training Research Association.
CAMZ	Rola Co., Inc.
CANA	I. T. E. Circuit Breaker Co.
CANB	Aviola Radio Corporation.
CANC	Otis Elevator Co.
CAND	"V" Precision Instrument Manufacturing.
CANE	Self Winding Clock Co.
CANF	G. Orangescreen.
CANG	Anchor Manufacturing Co.
CANH	Precision Development Co.
CANJ	Electric Products Co.
CANK	Aircomp Ltd.
CANL	G. Kalart.
CANM	Warren-McArthur Corporation.
CANN	Demornay Budd Inc.
CANO	Ostby & Barton Co.
CANP	Automatic Washer Co.
CANQ	Electronic Development Laboratory.
CANR	Harry Meyers & Co.
CANS	Kings Electronics, Inc.
CANT	General Textile Mills, Inc.
CANU	Seaboard Electric Co.
CANV	O. B. McClintock.
CANW	Liberty Tool Gage Works, Inc.
CANX	Taft-Pierce Manufacturing Co.
CANY	Lear, Inc.
CANZ	A. L. Smith Iron Co.
CAOA	Marcus Mason Co., Inc.
CAOB	Oneida, Limited.
CAOC	Berkey & Gay Furniture Co.
CAOD	New Products Corporation.
CAOE	W. F. Haynes.
CAOF	Brookfield Engineering Laboratories.
CAOG	Imperial Electric Co.

CONTRACTOR'S DESIGNATING LETTERS

Type No. prefix	*Contractor*
CAOH	Airway Electric Appliance.
CAOJ	Exel Foundry & Machine Co.
CAOK	Brunson Instrument Co.
CAOL	Carter Motor Co.
CAOM	Luce Manufacturing Co.
CAON	Lancaster Electronic Laboratory.
CAOP	Royal Switchboard Co., Inc.
CAOQ	Bernard Rice's Sons, Inc.
CAOR	Radio Frequency Laboratories.
CAOS	Wilcox Electric Co.
CAOT	Crompton & Knowles Loom Works.
CAOU	Wagner Electric Co.
CAOV	Air Associates, Inc.
CAOW	Transmitter Equipment Manufacturing Co.
CAOX	Automatic Electric Manufacturing Co.
CAOY	J. B. Waterfield.
CAOZ	Brandt, Inc.
CAPA	Norden Laboratories.
CAPB	U. S. Instrument Co.
CAPC	Schnabel Co., The
CAPD	Cole Electric Products Co.
CAPE	Boyle Manufacturing Division.
CAPF	Rees Blowpipe Co.
CAPG	Plymouth Machine & Burner Corporation.
CAPH	Telegraph Apparatus Co.
CAPI	Jefferson Travis Radio.
CAPJ	W-J-L Products Co.
CAPK	Gregory Electric Co.
CAPM	Cover-Dual Signal System, Inc.
CAPN	Hughes Aircraft Co.
CAPO	Cole Instrument Co.
CAPP	Milliken Machine Co.
CAPQ	Arpin Manufacturing Co.
CAPR	J. W. Greer.
CAPT	Powle Manufacturing Co.
CAPU	Amthor Testing Instrument Co.
CAPV	Marlboro Tool & Manufacturing Co.
CAPW	Pringle Electrical Manufacturing Co.
CAPX	F. S. Electric Co.
CAPY	Dumont Electric Co.
CAPZ	Foote Bros. Gear Machine Corporation.
CAQB	S. W. Inductor Co.
CAQC	Adapti Co., The.
CAQD	Aero Unit Inc.
CAQE	Willmotte Labratories.
CAQF	Hamelco.
CAQG	Houston Corporation.
CAQH	American Electronics.
CAQI	Hewlett Packard Co.
CAQJ	S. H. Couch.
CAQK	Essex Specialty Co.
CAQL	Lewis Engineering Co.
CAQM	Thomas B. Gibbs & Co.
CAQN	Friedman Co.
CAQO	Sheridan Electro Corporation
CAQP	ABT Manufacturing Corporation.
CAQQ	Cline Electric Manufacturing Corporation.
CAQR	Thornton Fuller Co.
CAQS	Raybould Coupling Co.
CAQT	Technical Apparatus.
CAQU	University of Iowa.
CAQV	Chickson Tool Co.
CAQW	R. L. Drake Co.
CAQX	Howard Pacific Manufacturing Co.
CAQY	Parker Appliance Co.
CAQZ	Brelco Corporation.
CARA	L. J. Wing Manufacturing Co.
CARB	Eastern Air Devices, Inc.
CARC	Stricher-Brunhuber.
CARD	Johnson-Claflin Corporation.
CARE	Potter & Brumfield Manufacturing Co., Inc.
CARF	Midwest Production Machine Co.
CARG	Dayton Acme Co.
CARH	Rowe Industries.
CARJ	Designers for Industry, Inc.
CARK	Wyse Laboratories.
CARL	Minneapolis-Honeywell Reg. Co.
CARM	Islip Radio Manufacturing Corporation.
CARN	Ernest Chandler Co.
CARO	Industrial Products Co.
CARP	United Machine Works.
CARQ	Union Electronics Corporation.
CARR	Rome Cable Corporation.
CARS	General Mills, Inc., Mechanical Division.
CARU	F. A. Smith Manufacturing Co.
CARV	Pass & Seymour, Inc.
CARW	Statham Laboratories.
CARX	Gardner Electric Manufacturing Co.
CARY	American Bosch Corporation.
CARZ	Automatic Radio Manufacturing, Inc.
CASA	J–B–T Instrument, Inc.
CASB	Precision Radio Products Co.
RA	Naval Research Laboratory, Bellevue, D. C.
RB	Navy Yard, Boston, Mass.
RD	Naval Operating Base, Hampton Roads, Va.
RE	Electronics Division BuShips, Washington, D. C.
RF	Naval Air Station, Pensacola, Fla.
RG	Naval Training Station, Great Lakes, Ill.
RH	Navy Yard, Charleston, S. C.
RI	Bureau of Aeronautics.
RJ	Naval Operating Base, San Diego, Calif.
RK	Naval Station, Cavite, P. I.
RL	Navy Yard, Philadelphia, Pa.
RM	Navy Yard, Mare Island, Calif.
RN	Navy Yard, Norfolk, Va.
RO	Naval Operating Base, New Orleans, La.
RP	Navy Yard, Portsmouth, N. H.
RQ	Underwater Sound Laboratory, Fort Trumbull.
RR	Naval Aircraft Factory.
RS	Navy Yard, Puget Sound, Wash.
RT	Naval Station, Tutuila, Samoa.
RU	Naval Station, Guam, Guam.
RV	Navy Yard, Pearl Harbor, T. H.
RW	Navy Yard, Washington, D. C.
RX	Naval Academy, Annapolis, Md.
RY	Navy Yard, New York, N. Y.
RZ	Naval Air Station, Anacostia, D. C.

Section 1.
JOINT ARMY-NAVY EQUIPMENT

Model	Contractor	Year	Normal power output	Type emission	Frequency range	Purpose—remarks
AN/AIA–2	CZL	1943				Interphone-Radio Control Assembly.
AN/AIA–2A	CZL, CTE	1944				Do.
AN/AMQ–1	CJF	1944	0.1 w (min)	A_2	72.2 mc	Radio Sonde to indicate pressure, temperature and relative humidity.
AN/ANQ–3( )		1944				Voice Transcriber.
*AN/APA–1	CPR	1943				Repeater Indicator Equipment to provide IFF indication—Used with Navy model ASB series & SCR 729.
AN/APA–5	CFN	1944				Low Altitude Bombing Attachment (LAB-Mk2)—For use with AN/APS–3/15/30 and ASB.
AN/APA–6, 6X	CGG	1943				Radar Pulse Analyzer.
AN/APA–6A	CGG	1943				Do.
AN/APA–8	CQJ	1943				Radar Booster Amplifier Assembly.
AN/APA–10		1944				Panoramascope—Used with AN/ARR–5 & 7.
AN/APA–12	CPR	1943				Sector Scan Assembly for AN/APS–2( ).
AN/APA–12A	CAPP	1944				Do.
AN/APA–13	CPR	1943				Do.
AN/APA–13A		1943				Do.
AN/APA–13B	CAPP	1944				Do.
AN/APA–14	CPR	1943				Azimuth Stabilization & Sector Scanning Device for Airborne Search Radars AN/APS–2F, 2G, 15, 15A, & 15B.
AN/APA–14A	CPR	1943				Azimuth Stabilizer & Sector Scanning Device for Airborne Search Radars.
AN/APA–15	CPR	1943				Tilt Stabilization Attachment for Air borne Search Radar AN/APS–2F, 2G, 15, 15A & 15B.
AN/APA–15A	CPR	1944				Tilt Stabilizer for Airborne Search Radar.
AN/APA–16	CW	1943				Low Altitude Bombing Attachment for ASB, AN/APS–3 and 4.
AN/APA–16–T1( )	CAOW	1944				Trainer for AN/APA–16.
AN/APA–17	CANB	1943				Radar Direction Finding Assembly.
AN/APA–17( )	CFH	1943				Do.
AN/APA–17A	CKB	1943				Do.

AN/APA–18	CW	1944				L. A. B. Adapter Kit for AN/APS–3.
AN/APA–19	CW	1944				Do.
AN/APA–20	CQJ	1943				Sector Scan Attachment for AN/APS–2.
AN/APA–21	CW	1944				L. A. B. Adapter Kit for ASD.
AN/APA–22	CAKX	1943			S band	"Vixen S" R-f Power Attentuator for AN/APS–2.
AN/APA–23	CGG	1944				Recorder for AN/APR–1.
AN/APA–24	CAKS	1944			100–450 mc	Direction Finder Antenna Assembly—Used with AN/APR–1 ( ).
AN/APA–26	CAKX	1943			S band	"Vixen S" R-f Power Attenuator for AN/APS–2.
AN/APA–30	CLP	1944				Ranging Attachment for ASB, AN/APS–3,–4.
AN/APA–31 ( )		1944			X band	"Vixen X" R-f Power Attenuator for AN/APS–15.
AN/APA–32	CAY	1944				Repeater Indicator for AN/APS–6.
AN/APA–38	CPN	1944				Panoramic Adapter for AN/APR–1.
AN/APA–44	CW					Attachment to airborne radar navigational & bombing aid, "Ground Position Indicator (GPI).
AN/APG–1					S band	Airborne Gun Laying Radar.
AN/APG–2						Do.
AN/APG–3					X band	Do.
AN/APG–4	CRV	1943				UHF FM radar—Used as a ranging device to release an ordnance missile at the proper time.
AN/APG–4X	CRV	1943			L band	Similar to AN/APG–4 except has different power supply.
AN/APG–5, 5B	CG	1944			S band	Airborne Range only—Radar.
AN/APG–6 (XN–)		1943		FM	L band	Provides right-left control for automatic pilot.
AN/APG–8						(Super Sniffer)—Developed as Navy Model CXDY.—Airborne Gun-sight Radar.
AN/APG–10						Airborne Gun-sight Radar.
AN/APG–13, 13A	CG					Airborne Ranging Only—Radar.
AN/APG–15 ( )	CG	1944				Airborne Gun-Sight Director—Similar to AN/APG–3.
AN/APG–18 ( )	CG	1944			X band	Airborne Automatic Radar Ranging Equipment—Used for day operation.
AN/APG–19( )	CG	1944			X band	Airborne Radar Gunsight Equipment.
AN/APM–3	CW	1943			9230–9460 mc	Portable Radar Test Set.
AN/APM–3A	CW				9230–9460 mc	Portable Radar Test Set—Same as AN/APM–3 except has design improvements.

Model	Contractor	Year	Normal power output	Type emission	Frequency range	Purpose—remarks
AN/APM-18						Radar Test Set.
AN/APM-39	CPR					Bench Harness for AN/APS-15( ).
AN/APM-40	CAY					Bench Harness for AN/APS-6 and 6A.
AN/APM-46	CPR					Bench Harness for AN/APS-3.
AN/APM-47	CPR					Bench Test set-up for AN/APS-6, 6A.
*AN/APN-1	CDT, CYR, CRV, CQC.			FM	440 mc	Airborne Radio Altimeter Equipment.
*AN/APN-1X	CQC					Same as *AN/APN-1 except operates from 13.5 v. d. c. instead of 27 v. d. c.
*AN/APN-1A	CRV			FM	440 mc	Same as *AN/APN-1 except has different components.
*AN/APN-1B	CDL, CRV			FM	440 mc	Do.
AN/APN-4	CPR	1943				Airborne Loran Receiver-Indicator.
AN/APN-7	CPR	1943	200 w		3264–3333 mc	Transpondor Radar Beacon.
AN/APN-9		1944				Airborne Loran Receiver-Indicator—Also used on small ships.
AN/APN-11( )	CRV	1944	300 w		X band	Airborne Radar Transpondor Beacon.
AN/APN-13	CPR	1944			2985–3080 mc.	Radar Transpondor Beacon—Similar to AN/APN-7 except covers different frequency range.
AN/APQ-2	CGM	1944	15 w		200–550 mc	RCM "Rug."
AN/APQ-2B	CGM	1944	15 w		200–550 mc	Transmitting Equipment, RCM. "Intermediate Carpet."
AN-APQ-5						Low Altitude Bombing Attachment (L. A. B. Mk-1; RC-217).
AN/APQ-5B						
AN/APQ-5-T1A	CIP	1944				Radio Training Equipment for AN/APQ-5 and AN/APS-2 series.
AN/APQ-9	CGM	1943	20 w		475–585 mc	Radar CM Equipment.
AN/APR-1	CGG	1943			40–3400 mc	Do.
AN/APR-1A	CGG	1944			40–3400 mc	Same as AN/APR-1 except has different components.
AN/APR-1B	CGG	1944			40–3400 mc	Do.
AN/APR-2	CGG	1943			85–1000 mc	Radar Receiving Equipment for RCM.
AN/APR-5	CGG	1943			1000–3100 mc	Radar Search Receiving Equipment for RCM.
AN/APR-5A	CGG	1944			1000–6000 mc	Similar to AN/APR-5 except covers wider frequency range.

AN/APR-5AX	CGG	1944			1000–6000 mc	Similar to AN/APR-5A except different power output.
AN/APR-5AY	CGG	1944			1000–6000 mc	Do.
AN/APR-6	CGG	1943			3000–6000 mc	Radar Search Receiving Equipment for RCM.
AN/APR-7A	CFH				1000–3500 mc	Airborne Search Radar Receiver for direct detection—"Spud" RRL Model D-2100.
AN/APS-T1	CEX	1943				Radar Trainer for airborne search radars.
AN/APS-T1A	CEX	1944				Same as AN/APS-T1 except has different components.
AN/APS-T2	CEX	1944				Radar Training Set for airborne search radars.
AN/APS-2-T1	CPR	1943				Multiple Indicator Equipment, for training for AN/APS-2 operation.
AN/APS-2	CPR	1943			S band	Airborne Search Radar for patrol bombers—Formerly Navy model ASG-3.
AN/APS-2A	CPR	1943			S band	Airborne Search Radar for lighter-than-air craft—Formerly Navy Model ASG-2.
AN/APS-2B	CPR	1943			S band	Airborne Search Radar for heavy and medium bombers—Similar to Navy model ASG-2.
AN/APS-2C	CPR	1943			S band	Airborne Search radar-Airborne Search for heavy, medium and patrol bombers—Similar to Navy Model ASG-3.
AN/APS-2D	CPR	1943			S band	Similar to AN/APS-2A except different components—Used in lighter-than-air craft.
AN/APS-2E	CPR	1943			S band	Similar to AN/APS-2C except for different components—Used in heavy, medium and patrol bombers.
AN/APS-2F	CPR	1943			S band	Similar to AN/APS-2E except has design improvements.
AN/APS-2G	CPR	1944			S band	Similar to AN/APS-2F except designed for aircraft type "J".
AN/APS-3-T1	CDL	1943				Radar Training Set for AN/APS-3.
AN/APS-3	CPR	1943			X band	Airborne Search Radar—FormerlyNavy Model ASD-1.
AN/APS-3A	CPR	1944			X band	Same as AN/APS-3 except for improved design.
AN/APS-4	CW	1943			X band	Airborne Search Radar Equipment.

Model	Contractor	Year	Normal power output	Type emission	Frequency range	Purpose—remarks
AN/APS-4-T1						Trainer for AN/APS-4.
AN/APS-6	CAY	1943			X band	Airborne Intercept and Search Radar Equipment.
AN/APS-6A	CAY	1943			X band	Same as AN/APS-6 except has different components.
AN/APS-6-T1		1943				Trainer for AN/APS-6.
AN/APS-6-T2						Do.
AN/APS-6-T3						Do.
AN/APS-6-T4						A1 (F7F) Link Trainer.
AN/APS-15	CPR	1943			X band	Airborne Search Radar for HAB, British H_2X.
AN/APS-15A	CPR	1944			X band	Same as AN/APS-15 except has different components.
AN/APS-15B	CPR	1944			X band	Do.
AN/APS-15-T1	CGP	1944				Trainer for AN/APS-15.
AN/APS-15-T2	CAEC					Supersonic Trainer for AN/APS-15.
AN/APS-15C	CPR	1944				Same as AN/APS-15 except for different components.
AN/APS-18	CADU					Search and Relaying Radar Set.
AN/APS-19 ( )		1944			X band	Lt. weight Airborne Intercept & Search Radar Equipment.
AN/APS-30	CPR	1944			X band	Lt weight Airborne Search Radar.
AN/APS-31 ( )	CPR	1944			X band	Airborne Search Radar.
AN/APS-32 ( )	CPR	1944			K band	Do.
AN/APS-33 ( )	CPR	1944			X band	Do.
AN/APS-34 ( )	CPR	1944			K band	Do.
AN/APT-1	CGM	1943	30 w		95-220 mc	Radar Transmitting Equipment, RCM.
AN/APT-2	CGM	1943	5 w		500-700 mc	Do.
AN/APT-3	CGM	1943	10 w		85-135 mc	Radar Transmitting Set, CM, "Mandrel."
AN/APX-1	CHZ	1943	4-11 w		Mark III	Transpondor.
AN/APX-1A	CHZ	1943	4-11 w		Mark III	Same as AN/APX-1 except for improvements.
AN/APX-1X	CHZ	1943	4-11 w		Mark III	Same as AN/APX-1 except for 12-volt operation.
AN/APX-1AX	CHZ	1943	4-11 w		Mark III	Same as AN/APR-1A except for improvements.
AN/APX-2	CHZ	1943	Trans: 4-11 w; I-R: 300 w.		Mark III	Airborne Interrogator-responsor-transpondor—Formerly Navy model ABJ.

AN/APX-2A	CHZ	1944			Mark III	Same as AN/APX-2 except for different components.
AN/APX-6 ( )					Mark V	Radar Set—Under development.
AN/APX-7 ( )					Mark V	Do.
AN/APX-8A					Mark III	Same as AN/APX-8 except lighter and smaller.
AN/APX-8					Mark III	Airborne Mark III IFF.
AN/APX-T1	CABL					Trainer for Navy model ABK and Navy model ASE.
AN/ARA-6	CAJI					Aircraft Antenna Coupling Assembly.
AN/ARC-1	CW, CAY	1943	6 w		100–156 mc	Airborne Radio VHF Communication Transmitting and Receiving Equipment.
AN/ARC-2	CRC, COL	1944	40 w	A_1, A_3	2–18 mc	Airborne Radio Transmitter-receiver—8 channel preset.
AN/ARC-2 (XN-1)	COL	1943	50 w	A_1 or A_3	2–9 mc	Airborne Radio Transmitting and Receiving Equipment.
AN/ARC-4*	CW	1943	6 w	A_3	140–144 mc	Airborne VHF Radio Communication Transmitting and Receiving Equipment—CC-4 channel, one 140. 1 mc—(233A).
AN/ARC-4A	CW	1943	6 w	A_3	140–144 mc	Same as AN/ARC-4 except for different components.
AN/ARC-4X	CW	1943	6 w	A_3	140–144 mc	Same as AN/ARC-4 except operates on 14 or 28 v dc.
AN/ARC-5	CBY, CCT	1943	6 w	A_2, A_3	0.55–9.1; 100–1.56 mc	Airborne MF, LF & HF Radio Transmitting and Receiving Equipment (modified ATA/ARA series and modified SCR-274N).
AN/ARC-5	CW	1943	6 w	A_3	100–156 mc	VHF Airborne Radio Communication Equipment—4 Channels, crystal control remotely selected.
AN/ARC-12( )	CW	1944	6 w	A_3	225–310 mc	VHF Airborne Radio Communication Equipment—Similar to AN/ARC-1 except covers different frequency range.
AN/ARC-13( )	COL	1944	15 w		100–400 mc	Airborne Radio Amplitude Modulated Transmitting and Receiving Set.
AN/ARC-18(XN)	CW			A_3	100–156 mc	Airborne Radio Relay Communication Equipment.
AN/ARD-3	CAKS					Airborne Radio Direction Finding Equipment.
AN/ARN-T1	CAET	1943				Radio Beacon Trainer.

Model	Contractor	Year	Normal power output	Type emission	Frequency range	Purpose—remarks
*AN/ARN-1	CRV	1943			440 mc	Airborne Radio Altimeter Equipment—Formerly known as AYD-1 (13.5v) AYD-4 and AYD-5 (27v) FM:20mc, 120 cycles modulation.
AN/ARN-6	CRR	1943				Airborne Automatic Radio Compass—Formerly known as SCR-599-( ).
AN/ARN-7	CRR	1943			100-1750 kc	Airborne Automatic Radio Compass—Formerly known as SCR-639-( ).
AN/ARN-8*	CDE	1943			75 mc	Airborne Radio Marker Beacon, Receiving Equipment (CDE:MBA).
AN/ARQ-10	CFT	1943				Airborne Selective Jamming Equipment.
*AN/ARR-1	CZR, CW	1943			234-258 mc	Homing Adapter used with communication receiver—Formerly Navy Models ZB-2, ZB-3.
*AN/ARR-2	CZR, CW	1943			234-258 mc	Airborne Radio Receiving and Homing Equipment—Formerly known as Navy model ZBX.
*AN/ARR-2X	CW, CZR	1943			234-258 mc	Same as *AN/ARR-2 except operates from 4 v d-c supply.
*AN/ARR-2A	CW, CZR	1943			234-258 mc	Same as *AN/ARR-2 except provides electrical remote selection of channels.
*AN/ARR-2AX	CW, CXR				234-258 mc	Same as *AN/ARR-2A except operates from 14 v d-c supply.
AN/ARR-3	CFF	1943-44			67-72 mc	Airborne Radio Receiver—Used with AN/CRT-1 ( ) —Formerly Army Model RC-222 ( ).
AN/ARR-3A	CFF	1944			67-72 mc	Same as AN/ARR-3 except has different components.
AN/ARR-3B	CFF	1944			62-72 mc	Same as AN/ARR-3 except has different components and extended frequency range.
AN/ARR-9	CADU	1944				Airborne Relay Receiving Set—Used with AN/APS-18.
AN/ARR-14	CFL	1944			23-47 mc; 70-140 mc	Airborne FM Radio Receiver.
AN/ARR-15	COL	1944			1.5-18mc	Airborne Radio Receiver Set—Used with AN/ART-13—10 channel preset.

AN/ARR-16	CFF	1944			62–72 mc	Airborne Radio Receiver—Used with AN/CRT-1, 1A and AN/CRT-4.
AN/ARR-16 (XN-1).	CFF	1944			62–72 mc	Airborne FM Receiver for expendable Sono-Radio Buoys.
AN/ARR-17	CPR	1944			74–118 mc	Airborne Radio Receiver—Used with AN/ART-18.
AN/ARR-18	CRV	1944			195–9050 kc	Airborne Radio Receiver—Cancelled.
AN/ART-2	CMD	----			21–34 mc; 34–50 mc	Airborne Radio Transmitter for RCM, "Pad."
AN/ART-13	COL, CZR	1943–44	100 w	A_1, A_2, A_3	2000–18000 kc; 200–1500 kc.	Airborne Radio Transmitter—Formerly Navy Model ATC.
AN/ART-17	CFL	1944			23–47 mc; 70–140 mc	Airborne Radio FM Transmitter.
AN/ART-18	CPR				74–118 mc	FM Radio Repeat Back Transmitter—Used with AN/ARR-17 ( ).
AN/ARW-2	CFL	1943			30–42 mc	Airborne FM Radio Receiving Remote Controlled Equipment.
AN/ARW-2X	CFL	1943			30–42 mc	Same as AN/ARW-2 except for different power supply.
AN/ARW-3	CFL	1943	25 w		30–42 mc	Airborne FM Radio Transmitting Equipment for remote control of AN/ARW-2 and AN/ARW-2X.
AN/ARW-13( )	CFL	1944	100 w		132–140 mc	Radio Transmitting Set for remote control of AN/ARW-14.
AN/ARW-14 (XN-1).	CFL	1944			132–140 mc	Airborne Radio Receiving Set for remote control of pilotless aircraft—Used with AN/ARW-13.
AN/ARW-17	CDT	1944			30–42 mc	Airborne Remote Controlled Radio Receiving Set—Used with AN/ARW-3.
AN/ARW-19( )		1944	20 w		23–28 mc	Airborne Transmitting Set for remote control of AN/ARW-20( ) and AN/ARW-20( )X.
AN/ARW-19( )X		1944			23–28 mc	Same as AN/ARW-19 except for different power supply.
AN/ARW-20( )		1944			23–28 mc	Airborne Remote Controlled Radio Receiving Set—Used with AN/ARW-19( ) and AN/ARW-19( )X.
AN/ARW-20( )X					23–28 mc	Same as AN/ARW-20( ) except for different power supply.
AN/ARW-21( )			20 w		30–42 mc	Airborne Radio Transmitting Set for remote control of AN/ARW-22( ) and AN/ARW-22( )X.
AN/ARW-22( )					30–42 mc	Airborne Remote Controlled Radio Receiving Set—Used with AN/ARW-21( ) and AN/ARW-21( )X.

Model	Contractor	Year	Normal power output	Type emission	Frequency range	Purpose—remarks
AN/ARW-22( )X					30–42 mc	Same as AN/ARW-22( ) except for different power supply.
AN/ARW-23					132–140 mc; 300–10000 c modulation.	Airborne Remote Controlled Radio Receiving Set—Used with AN/ARW-13( ).
AN/ARW-24( )					396–420 mc	Airborne Radio Transmitting Set—FM remote control of AN/ARW-25( ).
AN/ARW-25( )						Airborne Remote Controlled Radio Receiving Set—Used with AN/ARW-24( ).
AN/ARW-27 ( )					22–29 mc	Airborne Radio Transmitter for remote control of AN/ARW-28 ( )—Similar to AN/ARW-3 except for frequency range.
AN/ARW-28 ( )					22–29 mc	Airborne Radio Receiver (FM) remote controlled—Used with AN/ARW-27 ( )—Similar to AN/ARW-2 except for frequency range, 10 channel.
AN/ARW-29					132–140 mc	Airborne Radio Transmitter for remote control of AN/ARW-14 ( ), AN/ARW-23 ( ).
AN/ARW-30					22–29 mc	Airborne Remote Controlled Receiver—Used with AN/ARW-27 ( )—7-channel.
AN/ASA-1	CQA	1943				Static Discharger Assembly, see also AN/ASA-1A for assembly with "U" shaped mounting.
AN/ASA-1A	CQA	1943				Static Discharger Assembly for precipitation static discharge—See also AN/ASA-1 for assembly with flush type mounting.
AN/ASG-10 ( )	CAQU	1944				Computing set for toss bombing.
AN/ASQ-1	CLU, CLX, CGO	1943				Airborne Detecting Equipment (magnetic)—Formerly Navy Model MAD, Mark VI.
AN/ASQ-1A	CLU	1943				Same as AN/ASQ-1 except for different components.
AN/ASQ-2	CLU	1943				Airborne Magnetic Detection Equipment Mark VI, double unit.

AN/ASQ-2A		1944				Used in HTA installation—Same as AN/ASQ-2 except has different components.
AN/ASQ-2B		1944				Same as AN/ASQ-2 except has different components—Used in LTA installation.
AN/ASQ-2C		1944				Same as AN/ASQ-2 except has different components—Used in LTA installation.
AN/ASQ-3	CW	1943				Airborne Detecting Equipment (Magnetic)—Formerly designated "MAD" Mark X.
AN/ASQ-3A	CW	1943				Same as AN/ASQ-3 except has different components.
AN/AXR-1 ( )	CFN, CRV	1944			264–372 mc	Airborne Television Receiving—Similar to Navy ARK Block III.—Used with AN/AXT-2 ( ).
AN/AXR-3( )	CPR	1944			264–372 mc	Airborne Television Receiver—Similar to Navy Model ARK and AN/AXR-1 (except on unit construction).
AN/AXS-1	CRV	1944				Airborne Television Search Set—Project Ring.
AN/AXT-2( )	CRV	1944			264–372 mc	Airborne Television Transmitter—Similar to Navy ATK.—Block III.
AN/AXT-2A	CRV				264–372 mc	Radio Transmitting Set—Same as AN/AXT-2 except uses PH-548/AXT-2A instead of PH-522/AXT-2—Similar to Navy Model ATK.
AN/AXT-5	CRV					Airborne Radio Repeat Transmitter—Used with AN/AXS-1 & AN/UXR-2( ).
AN/AXT-6( )	CIX	1944			264–372 mc	Airborne Television Pickup and Transmitting Equipment.
AN/CPA-2	CGG	1944	30 kw (peak)		S band	Radar Conversion Kit for modifying AN/CPN-6 for S band.
AN/CPN-3	CPR		5 kw		S band	Radio Set (Racon) Homing Beacon—Formerly Navy Model YK & Signal Corps SCR-620( ).
AN/CPN-3A	CPR					Similar to AN/CPN-3 except for different components.
AN/CPN-6	CGG		30–40 kw		X band	Air Transportable Homing Beacon—Formerly Navy Model YM.
AN/CPN-13( )					Mark V	Radar Beacon—Under development.
AN/CPN-14						Field Intensity Meter (Loran).
AN/CPN-15( )					Mark V	Radar Beacon—Under development.

Model	Contractor	Year	Normal power output	Type emission	Frequency range	Purpose—remarks
AN/CPX-3					Mark V	Radar Beacon—Under development.
AN/CPX-4					Mark V	Do.
AN/CRT-1	CFF	1943	Approx. ⅓ w	FM: 150 kc	67–72 mc	Radio Transmitting Equipment (Expendable) Sono-buoy used in connection with AN/ARR-3.
AN/CRT-1A	CEX, CFF	1944	Approx. 0.08 w	FM: 150 kc	67–72 mc	Similar to AN/CRT-1 except improved design.
AN/CRT-1B	CEX, CFF	1944	Approx. 0.08 w		62–72 mc	Same as AN/CRT–land 1A except has a greater frequency range.
AN/CRT-4	CEX		0.08 w		62–72 mc	Expendable Air-transportable Directional Sono-radio Buoy.
AN/FGC-1A	CW	1943				Radio-teletype Terminal Equipment for shore and advance base.
AN/FPN-1(XN-1)	CRR	1945			S band (search) X band (precision for control and landing.)	GCA Radar Set.
AN/FRT-1	CKV	1943			2–18 mc; 150–550 kc	Radio Transmitting Equipment—4 channel.
AN/GPS-T1	CAMY					GCI Training Set.
AN/GPS-T1A	CAES					Same as AN/GPS–T1 except for different components.
AN/MPN-1A	CRR	1944			S band (search) X (precision for the control and landing).	GCA Radar Set.
AN/PPN-8( )					Mark V	Radar Beacon—Under development.
AN/PPS-1( )	CS	1943	1/8 w	A_1	X band	Pack Radar Set for moving target detection.
AN/SPA-1	CGG	1944				Shipboard Pulse Analyzer Equipment.
AN/SPN-1					Mark V	Radar Beacon—Under development.
AN/SPQ-1	CALG				L band	Shipborne Radar Interference Equipment—CBS–127 under Dwg. 15 NDRC "Pimpernel."
AN/SPR-1	CGG	1943			40-3300 mc	Shipborne Broad band Radar Receiving Set—Similar to AN/APR–1( ).
AN/SPR-2	CGG				1000-9000 mc	Shipborne Radar Search Receiver—Similar to AN/APR–5AX.
AN/SPT-1	CGM	1943	30 w		95-220 mc	Shipborne Radar Interference Equipment—Similar to AN/APT–1.

AN/SPT-1A	CGM		30 w		95-220 mc	Similar to AN/SPT-1 except has different components.
AN/SPT-2	CGM	1943	5 w		500-700 mc	Shipborne Radar Interference equipment—Similar to AN/APT-2.
AN/SPT-3	CGM	1943	10 w		85-135 mc	Shipborne Radar Interference Equipment—Similar to AN/APT-3.
AN/SPT-4	CGM	1943	15 w		200-550 mc	Shipborne Radar Interference Equipment—Similar to AN/APQ-2.
AN/SPT-5	CGM	1943	20 w		475-585	Shipborne Radar Set—Countermeasure "High-power carpet."
AN/SPT-6	CKV	1943			350-1400 mc	Shipborne Radar Transmitting Set—Similar to AN/APT-5 "Robe."
AN/SPX-1					Mark V	Radar Set—Under development.
AN/SPX-2( )					Mark V	Do.
AN/SRQ-1						Radio Set, A. I. L. Project 912 and 913.
AN/TPS-1B	CW	1943	700 kw peak		1200 mc (nominal)	Search Set—Similar to but more power than SCR-602-T3.
AN/TPS-9	CAY	1943	100 kw peak		600 mc (nominal)	Lightweight Portable Radar Set for air search—Production version of CXER.
AN/TRC-1/3/4	CFL	1944			70-100 mc	FM Radio Transmitting and Receiving Equipment, Radio Teletype—Used with Navy model UF.—Radio relay set-relay of teletype.
AN/UIQ-2				A_3		Public Address Set "Bunsen Burner."
AN/UPA-1( )	CDL	1945	0.1 volt per pulse milliwatt R-F input.		X & S band	Detector-Amplifier Assembly, R-f envelope viewer attachment.—Used with TS-28 UPN.
AN/UPA-3 (XN-1) (XN-2).					Mark V	Directional Antenna Assembly—Under development.
AN/UPA-4( )					Mark V	Do.
AN/UPA-5( )					Mark V	Radar Interconnecting Assembly—Under development.
AN/UPM-1	CHZ	1945	1 volt (peak)		155-235 mc and 460-570 mc.	Radar Maintenance Equipment (Maintenance & test set).
AN/UPM-1A	CHZ	1945	1 volt (peak)		155-235 mc and 460-570 mc.	Same as AN/UPM-1 except has antennas and no shock mounts.
AN/UPM-1B	CHZ				155-235 mc and 460-570 mc.	Same as AN/UPM-1 except has different components.
AN/UPM-2(XN-1)	CANL				75-400 mc and 350-1250 mc.	Wavemeter Test Set—Similar to TS-69/AP.
AN/UPM-3	CW					Depot Test Equipment for testing Mark XX. Mod O and Mod 1. Radar.
AN/UPM-4					Mark V	Radar Test Set—Under development.
AN/UPM-5					Mark V	Do.

JOINT ARMY-NAVY EQUIPMENT—AN SERIES

Model	Contractor	Year	Normal power output	Type emission	Frequency range	Purpose—remarks
AN/UPM-6					Mark V	Radar Test Set—Under development.
AN/UPN-1	CHL	1945	100 w		Sa Band	Ultra-portable Beacon for homing by aircraft.
AN/UPN-2	CHL	1944	100 w		Sa Band	Do.
AN/UPN-3	CG	1945	300 w		X band	Do.
AN/UPN-4	CGI	1945	300 w		X band	Do.
AN/UPN-5( )					Mark V	Radar Beacon—Under development.
AN/UPN-6( )					Mark V	Do.
AN/UPT-T1	CUO		5 w			Radar Training Set to train for operation against interference—Navy Model TDW, formerly known as F2800.
AN/UPT-T3	CQJ		50 ma		2700-3300 mc	Radar Training Set, same as Navy OBW—Similar to AN/UPT-T1 except different range and power output.
AN/URA-T2	CUO					Radio Training Attachment for Countermeasure Training.
AN/URA-T2A	CKV					Same as AN/URA.-T2 except has different components

JOINT ARMY-NAVY TEST EQUIPMENT—TS SERIES

Model	Contractor	Year	Frequency	Purpose—remarks
TS-1/ARR-1	CW, CXR, CXE	1943	246 mc	Test Oscillator.
TS-5/AP	CW	1944		Range Calibrator.
TS-7/ASQ	CGO	1943		Magnetic Field Compensator.
TS-8/U	CGO	1943		Oscilloscope Calibrator.
TS-8A/U	CGO	1943		Do.
TS-9/ASQ	CGO	1944		Tube Tester—General use.
TS-9A/ASQ	CGO	1944		Do.
TS-10/APN	CRV	1943		Portable Test Set.
TS-11/AP	CPK	1943		Portable Milliammeter.
TS-12/AP	CPK	1944	60–800 cycles	Standing Wave Indicator.
TS-13/AP	CPK	1943	60–800 cycles	Radio Frequency Test Set.
TS-14/AP		1943	50–200 cycles	Field Test Set.
TS-15/AP	CMY	1944	1200–4800 Gauss	Fluxmeter.
TS-15A/AP	CMY	1944	1000–10,000 Gauss	Do.
TS-17/ASQ	GCG	1943		Calibrated Magnet Set.
TS-18/AP	CWI	1943		RF Voltage Divider.
TS-24/ARR-2	CW	1944	246 mc	Test Oscillator.
TS-24A/ARR-2	CW	1944	246 mc	Do.
TS-28/UPN	CGG	1944	50–70 cycles	Synchroscope.
TS-33/AP	CW	1944	X band	Frequency Meter—Aircraft.
TS-34/AP	CW	1944		Portable Oscilloscope.
TS-34A/AP	CW	1944		Do.
TS-35/AP		1944	X band	Signal Generator.
TS-45/APM-3	CJP	1943	X band	Radar Test Unit.
TS-45A/APM-3	CW, CJP	1944	923–9460 mc ± 2mc	Do.
TS-46/AP	CW	1943	S band	Frequency Meter.
TS-48/AP	COY	1943	S_a band	Phantom Target.
TS-51/APG-4	CRV	1944		Test Set.
TS-56/AP	CKK	1943		Do.
TS-56A/AP	CUO	1943		Do.
TS-58/GRM-1	CW	1943		Do.
TS-59/APN-1	CRV	1944	L band	Do.
TS-59/APN (XN-1)	CRV	1944		Do.
TS-59A/APN-1		1944	L band	Do.
TS-60/U	CGM	1944		Test Meter.
TS-61/AP	CW	1944–45	S band	Echo Box.
TS-62/AP	CW	1944–45	9200–9530 mc	Do.
TS-66/AP	CPR	1943		Phantom Target.
TS-72/ARN-9	CDE	1943		Test Oscillator.

Model	Contractor	Year	Frequency	Purpose—remarks
TS-75/U	CJP	1943		Test Meter.
TS-75A/U	CW	1944		Do.
TS-76/APM-3	CJP	1943		Auxiliary Test Kit.
TS-76A/APM-3		1944	X band	Do.
TS-78/U	CW	1944		Phantom Transmitter Antenna.
TS-79/U	CW	1944		Phantom Receiver Antenna.
TS-80/U	CW	1943		Test Meter.
TS-83/ASQ-3	CW	1943		Test Bench.
TS-84/ASQ-3	CW	1943		Test Mechanism.
TS-85/ASQ	CW	1943		Calibrator.
TS-86/ASQ-3	CW	1943		Test Set.
TS-90/AP	CW	1944		Dummy Load.
TS-93/AX	CRV	1944		Projector.
TS-94/AX	CRV	1944	50–500 mc	Crystal Resonance Indicator.
TS-95/AX	CRV	1944		Test Bench.
TS-97/TPS-1	CW	1944		Preamplifier Pad.
TS-98/AP	CW	1944	(A) Pulse 800; (B), D. C. 700; (C) D. C.1300.	Voltage Divider—(A) 35 v for viewing prepulse terminated on binding posts; (B) 70 v for measuring voltage of L. V. rectifier, terminated on pin jacks; (C) 130 v for measuring.
TS-100/AP		1944		3″ Test Oscilloscope.
TS-101/AP		1943		Test Load Unit.
TS-103/TPM-1	CW	1943	980–1200 mc	Signal Generator.
TS-104/TPM-1	CW	1944		Test Unit.
TS-105/TPM-1	CW	1944		Dummy Antenna.
TS-106/TPM-1	CW	1944		Line Monitor Unit.
TS-107/TPM-1	CW	1944	500-1500 mc; 900- 1350 mc	Wave and Power Meter—0.5 mw to 12 mw, 0.5 mw to 120 mw.
TS-108/AP	CAOQ	1944	X band	Radio-frequency Test Load.
TS-109/SPR		1943	40–120 mc; 120–500 mc	Test Oscillator.
TS-112/APS-18	CADU	1943		Relay Monitor.
TS-114/APS-2F	CPR	1943	S band	Resonance Chamber.
TS-115/APS-2F	CPR	1943		Test Antenna Assembly.
TS-116/APS-15	CPR	1944		Milliameter.
TS-120/UP (XN-1)	CRB	1944		Test Set.
TS-123/MPN-1	CRR	1944		Synchroscope.
TS-127/U	CAJR	1944	37.5–725 mc	Frequency Meter.
TS-128/UP	CW	1944	900–1500 mc	Signal Generator.

TS-129/UP	CW	1944		Test Antenna.
TS-130/UP	CW	1944	L band	Standing Wave Meter.
TS-133/UPM-1	CHZ	1944	155–235 mc	Wavemeter.
TS-134/UPM-1	CHZ	1944	460–570 mc	Do.
TS-135/UP	CHZ	1944		Voltage Tester.
TS-146/UP	CGP	1944	X band	Test Set.
TS-147/UP		1944	X band	Do.
TS-148/UP	CAY	1944		Spectrum Analyzer.
TS-153/AP		1944	67.2–72.2 mc	Field Intensity Meter.
TS-157/AP	CAHX	1944		Indicator Pick-up Assembly.
TS-160/ASQ-2		1944		Test Set.
TS-172/UP	CW	1944	L_2 band	Do.
TS-173/UR	CBK	1944	90–450 mc	Frequency Meter.
TS-176/ASQ-2B		1944		Test Set.
TS-182/UP	CHK	1944		Do.
TS-186/UP		1944	100 mc through X band	Frequency Meter.
TS-188/APS-4	CW	1944		Test Bench.
TS-189/U		1944		Test Set.
TS-191/UP	CRB	1944	X band	Do.
TS-202/U	CAJR	1944	10 mc–1200 mc	Signal Generator.
TS-205/U	CUD	1944		Test Meter.
TS-211/UPM-2	CANL	1944	75–400 mc	Wavemeter.
TS-212/UPM-2	CANL	1944	350–1250 mc	Do.
TS-218/UP	CW	1944	8920–9250 mc	Echo Box.
TS-230/AP	CW	1944	X band	Frequency-Power Meter.
TS-231/AP		1944	500–1500 mc	Dummy Antenna.
TS-234/UP	CW	1944		Do.
TS-235/UP	CW	1944		Do.
TS-239/UP		1944		●scilloscope.
TS-242/GRM-1A	CW	1944		Test Set.
TS-243/UPR		1944	40–200 mc	Frequency Meter.
TS-244/UPR		1944	150–100 mc	Frequency Meter—Cancelled.
TS-250/APN	CRP	1944		Range Calibrator.
TS-268/U		1944–45	S and X band crystals	Crystal Rectifier Test Set.
TS-270/UP	CABV	1944–45	S_g band	Echo box.
TS-271/UP	CAQI	1944	9369 mc ±.3%	Signal Generator.
TS-275/UP	CABV	1944	S_w band	Echo box.
TS-277/AR (XN-1)		1944	L band	Interference Tester.
TS-288/UPA-1	CDL	1944		Dummy Load.
TS-295/UP	CW	1944	S_a band	Frequency-Power Meter.
TS-306/ARW		1944	30–40 mc; 132–140 mc	Test Set.
TS-307/ARW		1944	30–42 mc; 132–140 mc	Dummy Load.
TS-310/UP	CW	1945	X_L broad band	Echo Box.
TS-311/UP	CW	1945	X_L band	Do.

Section 2.
NAVY EQUIPMENT

AIRBORNE IFF EQUIPMENTS—AB SERIES

Model	Contractor	Year	Frequency (mc)	Power (watts): (1) Line; (2) Peak output	Purpose—remarks
ABA**	CG	1941	470 and 493.5; 740	(1) 180; (2) 5	Airborne IFF Transpondor—Radio Recognition Transmitter and Receiver—Obsolete—(BRD–90).
ABA–1**	CG	1941	470	(1) 240; (2) 20	Airborne IFF Transpondor—Radio Recognition Transmitter and Receiver —(BRD–90C).
ABD–1 ABD–2—ABD–3	CPR	1942	38–52, 175–225	(1) 60; (2) 0.5–1.5	Airborne IFF Transpondor—Obsolete.
ABE series	CPR	1942	100–116, 175–225	(1) 60; (2) 0.5–1.5	Airborne IFF Transpondor—Obsolete: ABE (12–14 v d. c.); ABE–1, –2 (24–28 v d. c.).
ABF	CPR	1942			Airborne IFF Transpondor (Army SCR–695A).
ABF–1	CPR	1942			Airborne IFF Transpondor (Army SCR–695AZ).
ABF–2 ABF–3					Reassigned AN/APX–1.
ABJ					Reassigned AN/APX–2.
ABK ABK–1	CRZ	1942	157–187	(1) 120; (2) 6	Airborne IFF Transpondor: ABK (12 v); ABK–1 (24 v).
ABK–2 ABK–3	CCY	1942	157–187	(1) 120; (2) 6	Airborne IFF Transpondor: ABK–2 (12 v); ABK–3 (24 v).
ABK–4 ABK–5	CZR	1942	157–187	(1) 120; (2) 6	Airborne IFF Transpondor: ABK–4 (12 v); ABK–5 (24 v).
ABK–6 ABK–7	CWS	1942	157–187	(1) 120; (2) 6	Airborne IFF Transpondor: ABK–6 (12 v); ABK–7 (24 v).

AIRBORNE INTERCEPTION EQUIPMENT—AI SERIES

Model	Contractor	Year	Frequency (mc)	Power (watts): (1) Line; (2) Peak output	Purpose—remarks
AIA	CS	1941	X_s band	(1) 0.85 a. c.; 1.00 d. c.	Interception Beacon, Gun Aiming—Airborne—Similar to SCR–537 ( )—Modeled after Model CXBJ.

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AIRCRAFT RADIO RECEIVING—TRANSMITTING EQUIPMENTS—AM SERIES

Model	Contractor	Year	Nominal power output (watts)	Type of emission	Frequency range	Purpose—remarks
AMA*	CGG	1942	0.015	A_3	3000–6000 kc	Marine Corps—Paratroops and Gliders—CC–1 Channel—(G–169).
AMB	CW	1942		A_3	140–144 mc	Reassigned AN/ARC–4.
AMD	CFL	1943	12 mw	A_1	Trans: 75–80 mc; Rec: 20–25 mc.	Wind Velocity and Direction Measurement.

AIRCRAFT RADIO RECEIVING EQUIPMENT—AR SERIES

Model	Contractor	Year	Nominal power output (watts)	Type of emission	Frequency range	Purpose—remarks
ARA*	CBY and CCT	1940 1942			190–550 kc; 520–1500 kc; 1500–3000 kc; 3000–6000 kc; 6000–9100 kc.	Separate units for each band listed—Receivers usually installed in groups of 2 or 3 units—Units can be operated simultaneously and/or singly.
ARA–1	CCT	1942				Cancelled, reassigned ARA.
ARA–2	CBY				190–550 kc; 520–1500 kc; 1500–3000 kc; 3000–6000 kc; 6000–9000 kc.	
ARB	CRV	1942			195–9050 kc	Used with ATB.

AIRBORNE SEARCH RADAR EQUIPMENT—AS SERIES

Model	Contractor	Year	Frequency (mc)	Power (watts): (1) Line; (2) Peak output	Purpose—remarks
ASA**	CRV	1941	399	(1) 2; (2) 10.5	Search—Airborne—Detector and/or Altimeter—(D/S P123).
ASB Series	CRV (ASB, -4, -8); CAY (ASB-1, -2, -3, -6, -7). CRR (ASB-5).	1942 1943 1944	515	(1) 0.4; (2) 5-10	Search—Airborne—Similar to experimental model XAT.
ASC**	CW	1942	S_a band	(1) 2.6 d. c.; (2) 25	Search, Beacon—Airborne—(D150502).
ASC-1	CW	1942	S_a band	(1) 3 d. c.; (2) 60 from #43.	Search, Beacon—Airborne.
ASD	CS	1941 1943	X_s band	(1) 0.8 a. c., 0.15 d. c.; (2) 15.	Search, Beacon—Airborne—Similar to experimental Model CXBK.
ASD-1					Reassigned AN/APS-3.
ASE	CPR	1941	176	(1) 0.5; (2) 8	Search—Airborne—Similar to SCR-521.
ASE-1					
ASF	CS	1942			Search—Airborne—Similar to ASD except "all around" search.
ASG	CPR	1942	S_a band	(1) 0.8 a. c., 0.15 d. c.; (2) 50.	Search Beacon—Airborne—Similar to experimental Model CXBH-2—Used with Model OAJ Aircraft Phantom Target.
ASG-1	CPR	1942			Search Beacon.
ASG-2	CPR				Reassigned AN/APS -2A and AN/APS-2B.
ASH					Reassigned AN/APS-4.
ASJ					Reassigned AN/APS-17 (XN).

AIRCRAFT RADIO TRANSMITTING EQUIPMENT—AT SERIES

Model	Contractor	Year	Nominal power output (watts)	Type of emission	Frequency range	Purpose—remarks
ATA*	CBY and CCT	1940–42	25, 12, 8	A_1, A_2, A_3	2100–3000 kc; 3000–4000 kc; 4000–5300 kc; 5300–7000 kc; 7000–9100 kc.	Separate units for each band listed.—Installed in groups of two with common power supply and modulator as a separate unit.—Units can only be operated singly (25TR).
ATA–1	CCT	1942				Cancelled, reassigned ATA.
ATA–2						Model letters never used.
ATA–3	CBY	1940				Cancelled, reassigned AN/ARC–5.
ATB	CRV	1942	55, 35	A_1, A_2, A_3	2300–9050 kc	Used with ARB.
ATC*	COL	1942	90	A_1, A_2, A_3	200–1500 kc and 2000–18100 kc.	Changed to AN/ART–13—Similar to ship-shore Model TCZ.
ATC–1	CZR	1942	90	A_1, A_2, A_3	540–1500 kc and 2000–18100 kc.	Changed to AN/ART–13—Similar to ship-shore Model TCZ—Aircraft.
ATC–2	CG	1943	90	A_1, A_2, A_3	540–1500 kc and 2000–18100 kc.	Aircraft—Contract cancelled.
ATD	CRR	1940	55	A_1, A_2, A_3	540–1500 kc; 1500–3000 kc; and 300–8050 kc.	
ATM	CGA	1941	.24	A_2	79–102 mc	Wind Signal—Barrage Balloon (Marines).
ATM–1	CUZ	1943	.24	A_2	79–102 mc	Do.

AIRBORNE ALTIMETER EQUIPMENT—AY SERIES

Model	Contractor	Year	Nominal power output (watts)	Type of emission	Frequency range	Purpose—remarks
AYC	CTF	1941				Instrument (500 cycles).

IFF EQUIPMENT—B SERIES

Model	Contractor	Year	Frequency (mc)	Power (watts): (1) Line; (2) Peak Output	Purpose—remarks
BA	CG	1942	470 and 493.5, 470	(1) 240; (2) 20	Shipboard IFF Transponder Shipboard Radio Recognition Transmitter and Receiver.
BE	CG	1941	470	(1) 300; (2) 10	Shipboard Radio Recognition Transmitter—Obsolete—See CXAV.
BE–1	CG	1942	470	(1) 300; (2) 10	Shipboard Radio Recognition Transmitter—Obsolete—See CXAW.
BF	CG	1941	470	(1) 75	Shipboard Radio Recognition Receiver—Obsolete.
BG	CG	1942	470 and 493.5	(1) 150; (2) 500	Shipboard Interrogator-Responsor.
BH	RW	1942	470 and 493.5	(1) 1300 (2) 1000	Shipboard Interrogator-Responsor.—Cancelled.
BI	CG	1941	470 and 492.5	(1) 1500; (2) 5000	Shipboard Interrogator-Responsor.
BI–1	CG	1942	470 and 493.5	(1) 1500; (2) 5000	Shipboard Interrogator-Responsor.
BK					Not official model letters. However, ship installation of Model ABK is frequently referred to as Model BK.
BL	CHZ	1942	157–200	(1) 300; (2) 1000	Shipboard Interrogator-Responsor.
BL–1	CHZ	1942	157–200	(1) 300; (2) 1000	Do.
BL–2	CHZ	1942	157–200	(1) 300; (2) 1000	Do.
BL–3	CHZ	1942	157–200	(1) 300; (2) 1000	Do.
BL–4	CHZ	1942	157–187	(1) 300; (2) 1000	Do.
BL–5	CHZ	1942	157–187	(1) 300; (2) 1000	Do.
BL–6	CHZ	1942	157–187	(1) 300; (2) 1000	Do.
BM (CXEM)	CHZ	1942 1943	157–187	(1) 300; (2) 1500	Shipboard Interrogator-Responsor (large)—Production of Model CXEM.
BM–1	CHZ	1944	157–187	(1) 300; (2) 1500	Shipboard Interrogator-Responsor.
BN	CFN	1943	157–187	(1) 250; (2) 500	Shipboard Interrogator-Responsor (small)—Production of CXEN.
BN–1	CFN	1944	157–187	(1) 250; (2) 500	Same as BN except includes antenna mast and carrying cases.—Production of Model CXEN–1—Marines.
BN–2	CFN	1944	157–187	(1) 250; (2) 500	Portable Interrogator-Responsor—For shore use.
BO	CHZ	1943	190–210	(1) 300; (2) 1500	Shipboard Interrogator-Responsor—Production of Model CXEO.
BO–1	CHZ	1944	190–210	(1) 300; (2) 1500	Shipboard Interrogator-Responsor.
BP	CFN	1944	Tran. 470; Rec. 493.5	(1) 250; (2) 500	Shipboard Interrogator-Responsor—Production of Model CXEP.

BQ	CHZ	1943	110–165	(1) 300; (2) 700	Special Purpose Interrogator-Responsor—Similar to BL series.
BR	CQJ	1944	680–720	(1) 120 @ 12v d. c.; (2) 5	Transpondor—12v d. c.
BR–1	CQJ	1944			Transpondor—Same as BR except for operating voltage, 115/1/60—Cancelled.
BT	CQJ	1944	680–720	(1) 120 @ 12v d. c	Transpondor.

COMMERCIAL EXPERIMENTAL EQUIPMENT—CX SERIES

Model	Class	Contractor	Year	Nominal power output (watts)	Type of emission	Frequency range	Purpose—remarks
CXA	TR	CF	1931	2000	A_1, A_2	100–555 kc	Shore—Obsolete.
CXB	REC	CN	1932			3000–4000 kc	Keyer Unit—In store at NYd NY—Obsolete.
CXC	DF	CRV	1932			2000–15000 kc	Ship, Shore—Obsolete.
CXD	DF	CPO	1933			200–1500 kc	Aircraft—Obsolete.
CXF	DF	CRR	1933			200–1500 kc	Do.
CXG	TR	CRR	1934	20	A_1, A_2, A_3	3000–9000 kc	Aircraft-Base Stations—Obsolete.
CXG–1	TR	CRR	1934	20	A_1, A_2, A_3	3000–9000 kc	Do.
CXH	TR	CW	1934	400	A_1, A_2, A_3	2000–18000 kc	Shore—Obsolete.
CXH–1	TR	CW	1934	400	A_1, A_2, A_3	2000–18100 kc	Do.
CXJ	TR	CW	1934	50	A_1, A_3	2750–6500 kc	Ship—Obsolete.
	REC					2750–6500 kc.	
CXJ–1	TR	CW	1934	50	A_1, A_3	2750–6500 kc.	
	REC					2750–6500 kc.	
CXL	TR	CW	1935	50	A_1, A_2, A_3	30–60 mc	Do.
	REC					30–60 mc.	
CXM	DF	CKD	1935			200–750 kc and 2000–18000 kc.	Portable—Obsolete.
CXN	DF	CRR	1936			500–8000 kc	Do.
CXO	DF	CTP	1936			550–15000 kc	Noise and Fault Locater—Shore—Obsolete.
CXP	DF	CRR	1936			12 kc	Static Direction Finder—Shore—Obsolete.
CXQ	TR	Radio Receptor Co.	1936	150	A_1, A_2, A_3	190–400 kc	Range Beacon—Shore—Obsolete.
CXR	TR	CW	1936	5	A_3	30–42 mc	Ship—Obsolete.
	REC					30–42 mc.	
CXS	DF	CRR	1937			15–71 kc and 100–1500 kc.	Aircraft—Obsolete.
CXT	TR	CRR	1937	20	A_1	300–500 kc and 1635–1850 kc.	Do.
	REC			5	A_2, A_3	2800–11500 kc.	
	DF					150–1500 kc and 1800–15000 kc.	
	INT					200–1500 kc.	
CXV	TR		1937	15	A_2, A_3	30–42 mc	Do.
	REC					30–42 mc.	
CXW	TR	CRR	1938	10/100	A_2, A_3	522 kc	Aircraft Localizer and Beam Control—Obsolete.

CXX	REC	CDE	1938			88–100 mc	Aircraft-Instrument Landing Equipment—Obsolete.
CXAA	DF	CRN	1937				Airborne—Obsolete.
CXAB	TR	CG	1938	50	A_2, A_3	77–78 mc	AM or FM—Super Frequency—CC–6—Obsolete.
CXAC	REC	CG	1938			77–78 mc	Obsolete.
CXAD	DF	CW	1939			1638–6600 kc	Aircraft Homing Equipment—CC–10—10 preselected frequencies between 1638 and 6600 kc—Obsolete.
CXAE	REC	CTJ	1939			500 cycles	General Instrument Landing Receiving Equipment—Aircraft—Obsolete.
CXAF	TR	CG	1939	5	A_2, A_3	85–100 mc	FM TR—Airborne—CC or non CC—Obsolete.
CXAG	REC	CG	1939			85–100 mc	AM/FM REC— non CC—Obsolete.
CXAH	TR	CG	1939	5	A_2, A_3	85–100 mc	FM TR—CC or non CC—Obsolete.
CXAJ	REC	CG	1939			120–140 mc	AM/FM REC—non CC—Airborne—Obsolete.
CXAK	REC	CG	1939			13.5–27 mc	Airborne—Patrol Planes—non CC—Obsolete.
CXAL	DF	COL	1940			2000–18000 kc	Experimental to Model DAB.
CXAM	RADAR	CRV	1940			175–225 mc	General detection for large ships—Obsolete.
CXAM–1	RADAR	CRV	1941			175–225 mc	Do.
CXAN	TR	COL		50–A_3	A_1, A_3	1.5–15 mc	CC–4—Obsolete.
				75–A_1			
CXAO	TR	CG	1939	5	A_2, A_3	125–140 mc	FM TR—Airborne—CC or non CC—Obsolete.
CXAP	TR, INT	CAY	1940	20	A_1, A_2, A_3	540–1500 kc	Airborne Transmitting and Interphone Equipment—Non-crystal—4 preset Frequencies.
				35	A_2, A_3	3000–9050 kc.	
				50	A_1	3000–9050 kc.	
CXAQ	TR, INT	COL	1940	50	A_1, A_2, A_3	350–1500 kc and 3000–9050 kc.	Aircraft—2 LF Channels, 8 HF Channels.
CXAR	TR, INT	CRR	1940	50	A_1, A_2, A_3	540–1500 kc and 3000–9050 kc.	Aircraft.
CXAT	ER	CBM	1940		A_1	24 kc (15–42)	Sonar Equipment—Lightweight Echo Ranging.—Magnetostriction—Obsolete.
CXAU	ER	CRV	1940		A_1	24 kc	Do.
CXAV	TR						Shipboard Radio Recognition Transmitter—See Model BE.
CXAW	REL						Shipboard Radio Recognition Receiver—See Model BF.
CXAX		CRV	1940		A_1	24 kc (22–27)	Sonar—Lightweight Echo Ranging Magnetostriction—Obsolete.
CXAY	ER	CBM	1940		A_1	40 kc	Do.

COMMERCIAL EXEPRIMENTAL EQUIPMENT—CX SERIES

Model	Class	Contractor	Year	Nominal power output (watts)	Type of emission	Frequency range	Purpose—remarks
CXAZ	RADAR	CG					
CXBA	RADAR	CW					Experimental for Radar Equipment MK–5.
CXBB	RADAR	CG					Experimental for Radar Equipment MK–8—Ship—General.
CXBC	RADAR						Experimental Search Radar—Ship—General—Delivered as Model SD.
CXBD	RADAR	CG					Experimental Search Radar—Same as Model SC.
CXBE	RADAR	CRV					Search Radar—Ship—General.
CXBF	RADAR	CRV					Experimental equipment of Radar Equipment MK–6.
CXBG	REC	CPN	1942			50–250 mc	Experimental Radio (Intercept) Receiving Equipment—(CPN Type "MP–1 type 50–250")
CXBH CXBH–1 CXBH–2	RADAR	Radi. Labs MIT.	1941				Experimental Aircraft Search Radar—Similar to Model ASG—CXBH–1, CXBH–2 later designs of CXBH.
CXBJ	RADAR	NDRC	1941				Aircraft Intercept—Experimental Radar Equipt.
CXBK	RADAR	NDRC, Rad Labs.	1941				Aircraft Search Radar—Experimental—See Model ASF.
CXBL	RADAR	NDRC Rad. Labs.	1941				Experimental Search Radar—Experimental of Model SM.
CXBM	RADAR	CW	1942				Experimental (Fire Control) Radar—Experimental of Radar Equipment MK–7.
CXBO		CEY	1942			500–10000 cycles	Harbor Defense—Listening.
CXBP	REC	CHL	1942			210–400 mc	
CXBQ	RADAR	Rad. Lab.				X band	Surface search for misc. small ships.
CXBR	RADAR	CG	1943				Experimental Search Radar Equipt.—Small Ships (CG D/S BRD–151).
CXBR–1	RADAR	CG	1943				Experimental Search Radar Equipt.
CXBS	REC	CPR	1943			27.8–143 mc	Experimental for Model SQ—Experimental Radio Receiving Equipment—Used in connection with CXBT—Shipboard Spotting Gunfire.
CXBT	TR	CPR	1942	400		130–156 mc	Experimental Radio Transmitting Equipt—

							Aircraft—Used in connection with CXBS—Spotting gunfire.
CXBU	TR	CTV	1942	5	A_3	2000–4200 kc	Motorcycle equipment—CC–2 Channel.
	REC					2000–4200 kc.	
CXBU–1	TR	CCI	1942	5	A_3	2000–4200 kc	Motorcycle equipment—CC–2 Channel.
	REC					2000–4200 kc.	
CXBV	REC	CFJ	1942			100–150 mc	Aircraft—used with ARA.
CXBV–1	REC	CVP	1943			100–156 mc	Do.
CXBW	TR	CFJ	1942	5	A_2, A_3	100–156 mc	Aircraft—Used with ATA.
CXBW–1	TR	CVP	1943	5	A_2, A_3	100–156 mc	Do.
CXBX	RADAR	CRP	1942				Experimental Search Radar—CXBX plus CXBH—Identical to Model SO—PT Boats.
CXBY	RADAR	CRP	1942				Experimental Search Radar—See Model SO–3—PT Boats.
CXBZ	TR	CHG	1942	5	A_3	540–830 kc	Short Range Communication—Ship.
CXCA	RADAR	CG	1942				Experimental Search Radar—See Model SW.
CXCB	RADAR	CAY	1942				Experimental Search Radar—Similar to Model XBF.
CXCC	TR	CFT	1942	5	A_2	540 kc Spot	Emergency rescue (Airborne).
CXCD							Reassigned AN/APT–2.
CXCF	TR	RW	1942	50	A_3	2.7–8.1 mc	Airborne Experimental Radio Transmitter and Receiver Equipment—RCM gear.
	REC						
CXCG	RACON	CHZ					Airborne Radar Homing and Navigation Equipment—Rooster.
CXCG–1	RACON						12 v. d. c.; 24 v. d. c.
CXCG–2	RACON						115/80v, 800–2400 cycles Power Supply.
CXCH	RADAR	CRP	1942				Experimental Radar Phantom Target Equipment—CXCH plus CXBX—Identical to Model SO.
CXCK		CFT	1942				Experimental UHF Transmitting and Receiving Equipment—RCM gear.
CXCL	Analytical	CDK and Electromatic Typewriters.					Analytical Equipment.
CXCM	Analytical						Special Applications Group.
CXCN	Analytical						Do.
CXCO	Analytical						Do.
CXCP	Analytical						Special Applications Group—Cancelled.
CXCQ	Analytical						Special Applications Group
CXCR	TR REC	CHW					Portable.
CXCR–1	TR REC	CGG					Do.
CXCS	REC	RRL	1942				Experimental Radar Receiving Equipment—Experimental for Model ARP.

COMMERCIAL EXPERIMENTAL EQUIPMENT—CX SERIES

Model	Class	Contractor	Year	Nominal power output (watts)	Type of emission	Frequency range	Purpose—remarks
CXCT	REC	CPN	1942				Experimental Panoramic Radio Receiving Equipment—Radar Intercept—CPN Type MP-3—Experimental for Model RCJ.
CXCU	RADAR	CPR	1942				Airborne Radar Beacon—Experimental Equipment of AN/APN-7.
CXCV	RADAR	CPN	1944				Experimental Radar Analyzing Equipment—Experimental Airborne RCM gear—Built from schematic of Model XBG.
CXCW	Analytical	CYG					Cancelled.
CXCX	Analytical	CNN					
CXCY	Analytical	CYG					Do.
CXCZ	Analytical						Reassigned CXCL.
CXDA	Analytical						Cancelled.
CXDB	Analytical						Do.
CXDC	Analytical						Reassigned CXCL.
CXDD	Analytical						Cancelled.
CXDE	Analytical						
CXDF	Analytical						
CXDG	Analytical						
CXDH	REC	CPN	1943				Panoramic Radio Receiving Equipment RCM Gear—Airborne—Operates from 115/1/800.
CXDJ	REC	CPN	1943				Same as CXDH except for higher frequency range.
CXDK	REC	CPN	1943			300 mc	Same as CXDH & CXDJ except for higher frequency range.
CXDL	TR	RRL	1943		A_2	100–200 mc	Airborne Radio Transmitting Equipment—RRL Proj. B-1600—RCM Gear.
CXDM	TR	RRL	1943		A_2	300–500 mc	Same as CXDL except for frequency range—RRL Proj. F-1500.
CXDW	TR	RRL	1943		A_2	500–700 mc	Same as CXDL & CXDM except for frequency range—RRL Proj. F-1800 Type RC-156.
CXDO	TR	RRL	1943		A_2	$500 \pm 10\%$ mc	Airborne Radio Transmitting Equipment—RCM Gear—RRL Proj. C-800.
CXDP	TR	RRL	1943		A_2	$100 \pm 10\%$ mc	Airborne Radio Transmitting Equipment—RCM Gear.
CXDQ	TR	RRL	1943			100–150 mc	Production Equipt. known as AN/APT-1 (ex RC-230).

							Airborne Radio Transmitting Equipment—RRL Project B–2000—RCM Gear—(RC–183)—Similar to production equipment AN/APT–3.
CXDR	TR	CFT	1943			1.3–11 mc; 11–90 mc	Airborne Radio Transmitting Equipment—(NLS–600) Similar to CXCF—RCM Gear—Cancelled (Reassigned AN/ARQ–10(XN–1).
CXDS	RADAR	Nat.Bu.Stds.	1943				Airborne Pulse Repeater—Similar to CXET, CXEU.
CXDT	RADAR	CG	1943				Experimental Radar Search—Similar to Model SM except smaller.
CXDZ	RADAR	CHZ	1943				Experimental Airborne Interrogator-Responsor Transpondor—Experimental for ABJ.
CXEA	REC	CCT	1943			15–200 kc	Amphibious—Watertight carrying case—Portable.
CXEB	REC	CAY	1943			200–2000 kc	Amphibious—Watertight carrying case—experimental for Model RCQ—Portable.
CXEC	REC	CAY	1943			2.0–20 mc	Amphibious—Watertight carrying case—experimental for Model RCR—Portable.
CXED	REC	CAY	1943			20–100 mc	Amphibious—Watertight carrying case—Portable.
CXEE	REC	CAY	1943			100–200 mc	Do.
CXEF	REC	CAY	1943			200–400 mc	Do.
CXEG	BEACON	Rad. Lab.	1943			S_a band	Land beacon used as air navigational aid to planes—Often referred to as "BGS"—Functionally and essentially the same as Model YK.
CXEH	BEACON	Rad. Lab.	1943			X_a band	Land beacon used as air navigational aid to planes—Often referred to as "BGX"—Functionally and essentially same as Model YK except for frequency.
CXEI	REC	CGG	1943			225–285 mc	Aircraft—Used with ARA.
CXEI–1	REC	CVP	1943			225–285 mc	Do.
CXEI–2	REC	CGZ	1943			230–280 mc	Do.
CXEJ	TR	CGG	1943			225–280 mc	Aircraft—Used with ATA.
CXEJ–1	TR	CVP	1943			225–280 mc	Do.
CXEJ–2	TR	CGZ	1943			230–280 mc	Do.
CXEK	REC	CUO	1943				Airborne Panoramic Radio Receiving Equipment—RCM Gear—Used with ATA.
CXEL	TR–REC	NDRC—RCA Communications Inc.	1943	30	Pulse		Experimental Shipborne.

Model	Class	Contractor	Year	Nominal power output (watts)	Type of emission	Frequency range	Purpose—remarks
CXEM	RADAR	CHZ	1943				Shipboard Interrogator-Responsor—Experimental for Model BM.
CXEN	RADAR	CFN	1943				Shipboard Interrogator-Responsor—Experimental for Model BN.
CXEN-1	RADAR	CFN	1943				Shipboard Interrogator-Responsor—Experimental for Model BN-1.
CXEO	RADAR	CHZ	1943				Shipboard Interrogator-Responsor—Experimental for Model BO.
CXEQ	RADAR	CAY	1943				Portable Aircraft Early Warning Experimental Radar Equipt.—Marcorps.
CXER	TR, REC	CW	1943	5-10	A_3	140-144 mc	Shipboard—CC-4—Quick shift one 140.1 mc (WE 233-A modified for ship) see AN/ARC-4—Similar to Model MAH.
CXES	Electronic RELAY	CKB	1943			175Kc ± 2%; 400Kc ± 2%; 465Kc ± 2% I. F.	Noise Filtering Device for use with any communication receiver in the frequency range.
CXET	RADAR	CFT	1943			A band	Airborne Pulse Repeater—Similar to Model CXDS.
CXEU	RADAR	CFT	1943			B band	Airborne Pulse Repeater—Similar to CXFT, CXDS.
CXEV	TR-REC	CFT	1943				Aiborne "Prep"—Pulse communication—Reassigned AN/ARC-6 (XA-1).
CXEW	REC	CW	1943			SONIC	Output Listening Equipment—MarCorps.
CXEX	RADAR	CW	1943				Experimental Radar Equipt.—Prototype of Model SS.
CXEY	RADAR	CGG	1943				Reassigned AN/CPN-8.
CXEZ	RADAR	CHZ	1943				Ultra portable IFF Radar Beacon—Paratroops—Airborne—Battery operated—To work with Model ASB—Cathode Type Tubes otherwise same as CXEZ-1.
CXEZ-1	RADAR	CHZ	1943				Same as CXEZ except uses Filamentary Type Tubes.
CXEZ-2	RADAR	CHZ	1943				Submersion proof otherwise same as CXEZ.
CXFC	RADAR	CW	1943				Experimental Radar Search Equipt.—Experimental for special Model SL.
CXFD	RADAR	CUO	1943				Experimental Pulse Repeater—Similar to CXET and CXEW.

CXFE		CPN	1943				Experimental Panoramic Adaptor—RCM group—Input i-f frequency 30 mc, Sweep width ± 5 mc.
CXFE–1		CPN	1943				Same as Model CXFE except of better design—Experimental version of Model RDP.
CXFF	DF	CFT	1943			140–600 mc	Amplitudes Comparison System—Ships—Experimental for Model DAT.
CXFF–1	DF	CFT	1944				Receiver and Collector System—Ships—Slightly different from Model CXFF.
CXFG	RADAR	CAEV	1943				Experimental Pulse Repeater—RCM Gear—Similar to Model CXFD.
CXFH	TR–REC	CGG	1943	½	A_2, A_3	150–156 mc	Marine Corps—Air, ground—Experimental for MAW.
CXFJ		CAEH	1943				Experimental Transmissometer Equipt.—Visibility Measurement; includes light source.
CXFJ–1		CAEI	1943				Similar to CXFJ—May use a Model CXGM as an alternate light source.
CXFL	Automatic Weather Station.	CJF	1943			5 mc	Carried in bomb rack of plane.
CFXM	TR–REC	CFT	1943	2 kw Peak	Pulse	250–325 mc	Experimental Radio Transmitting and Receiving Equipment—Shipboard
CXFN	RADAR	Sturdy Cage Products Inc.	1943				Experimental Radar Equipment.
CXFO	TR–REC	CADU	1943	20	Pulse	90–114 mc	Experimental Airborne Radio Transmitting and Receiving Equipment—Used with Model ASB–6.
CXFP	Standard Course Calibrator.	CDE	1943				For calibrating Model YC—Airborne.
CXFQ	TR	CUO	1943	100	A_2		Experimental Radio Transmitting Equipment—RCM Gear—Experimental version of Model TDX.
CXFR	TR	CG	1943	150	A_2		Experimental Radio Transmitting Equipment—RCM Gear—Experimental version of Model TDY—M. O.
CXFR–1	TR	CG	1943	150	A_2		Similar to CXFR.
CXFS		CPN	1943				Experimental Panoramic Adapter—For use with AN/APR–1—Ship-Shore.
CXFT	Radar Test Gear	CRV	1943				Experimental Radar Test Equipment.
CXFU	RADAR	CW	1943			S_w band	Submarines—Air Search—Experimental Radar—Experimental for Model SV–1.
CXFW	TR–REC	CHG	1943			75–100 kc and 500–850 kc.	Experimental Radio Transmitting and Receiving Equipment—Aircraft Carriers.

COMMERCIAL EXEPRIMENTAL EQUIPMENT—CX SERIES

Model	Class	Contractor	Year	Nominal power output (watts)	Type of emission	Frequency range	Purpose—remarks
CXFX	TR-REC	CHG	1943			75–100 kc and 500–850 kc.	Experimental Portable Radio Transmitting-Receiving Equipment.—Aircraft Carrier Personnel.
CXFY	TR-REC	CHG	1943			75–100 kc and 500–850 kc.	Experimental Portable Radio Transmitting-Receiving Equipment—Aircraft Carrier Personnel—Slug Tuned.
CXFZ	REC	CHG	1943			75–100 kc	Airborne—Experimental Radio Receiving Equipment.
CXGA	R/DF	CUO	1943			300–1000 mc	Experimental Radar Direction Finder—RCM Gear for Radar Receivers—Similar in set up to AN/APA–17.
CXGA–1	R/DF	NDRC, RRL.	1944			300–1000 mc	Similar to CXGA.
CXGB	REC		1943		FM	56–85 kc	Radio-Sonde Receiving and Recording Equipment—Different from Model RAU Receiver and Recorder.
CXGC	TR	CG	1943		FM (Phase Mod).	72.2 mc (70-74)	Radio-Sonde—different from TDC—Pressure, Temp.,—Humidity measurement of upper air conditions.—Used with Model CXGB.
CXGD	REC	CAU	1943		FM	45-720 mc	Experimental Panoramic Radio Receiving equipment—RCM—(Modified GE 4AF-1A1–1) or –2—Mechanical scanning.
CXGE	TR	CHC	1943	1000			Experimental Radio Transmitting Equipment—RCM Gear.
CXGF	TR and REC	CS	1943		A_3		Ship—CC.
CXGG	DF	CFT	1944			100–160 mc	Ship.
CXGG–1	DF	CFT	1944			100–160 mc	Shore—Same as CXGG except for Collector System—Experimental of Model DBF.
CXGG–2	DF	CFT	1944			100–160 mc	Airborne version of Model CXGG.
CXGH	DF	CFT	1944			100–160 mc	Identification System Direction Finder Adapter for Radar Equipment—Ship-Shore.
CXGJ	DF	CFT	1944			20–100 mc	HF/VHF DF—Ship.
CXGJ–1	DF	CFT	1944			20–100 mc	HF/VHF DF—Shore.
CXGJ–2	DF	CFT	1944			20–100 mc	Airborne version of CXCJ.
CXGK	RADAR	CW	1944				Experimental Radar Search Equipment—Experimental to Model ST.

CXGL	DF	CFG	1944			300–1000 mc	Aircraft.
CXGM		CCH	1944				Light Source for Use with CXFJ or CXFJ–1.
CXGN	REC	CW	1944				Outpost Listening Equipment—Marine Corps—Similar to CXEW except for parabolic reflector microphone.
CXGO	TR–REC	CUO	1944				Airborne—RCM Gear—Similar to XBH.
CXGP	DF	CFT	1944			75–300 mc	Ship—Uses AN/APR–1 Receiver.
CXGP–1	DF	CFT	1944			75–300 mc	Ship—Same as CXGP except uses receiver designed by Federal Telephone & Radio.
CXGQ	RADAR	Rad. Labs	1944				Experimental Radar Equipment—Shipboard Search.
CXGR	RADAR	CRP	1944				Experimental Radar Equipment—Shipboard Search—Modified Model SG–1.
CXGS	DF	CFT	1944			225–390 mc	Shipboard—Designed for use on carriers—Experimental to DBK—Uses Receiver set-up of CXHK.
CXGU	Radar Test Gear	CW	1944				Experimental to OBU Series Radar Test Equipment—Uses either type I or II Waveguide Directional Coupler.
CXGV	TR–REC	CFT	1944			300–350 mc	RCM Gear—Experimental Transmitting-Receiving Equipment.
CXGW	RADAR	CW	1944			S_w band	Submarines—Experimental Aircraft Radar Warning System—Similar to CXFU.—Experimental version SV.
CXGX	RADAR	CDE	1944				Experimental—Formerly called Model OAD Radar Trainer.
CXGY	DF	CFT	1944			300–1000 mc	Ship—Companion frequency range to CXGP—Uses AN/APR–1 Receiver.
CXGY–1	DF	CFT	1944			300–1000 mc	Ship—Same as CXGY except uses a Federal Telephone & Radio designed Receiver
CXGZ	DF	CFT	1944			100–300 mc (Frequency scanning).	UHF Radio DF Equipment—Ship.
CXGZ–1	DF	CFT	1944			100–300 mc (Frequency scanning).	Shore—same as CXGZ except for antenna system.
CXGZ–2	DF	CFT	1944				Cancelled, reassigned CXHQ inasmuch as frequency range was change.
CXHA	TR	CG	1944	1 kw		90–3500 mc	RCM Radio Transmitting Equipt.—Ship.
CXHB	TR	CG	1944	10 kw		90–3500 mc	RCM Radio Transmitting Equipt.—Ship.
CXHC	DF	CFT	1944			1850–2000 mc	Landing Craft—For use with CXHD.
CXHD	TR	CFT	1944			1850–2000 mc	Radio Transmitting Equipt—Used with CXHC.
CXHE	REC	CDL	1944			30–300 mc	Redesign of AN/SPR–1—Same as CXHF except for frequency range—Ship.
CXHF	REC	CDL	1944			300–1000 mc	Ship—Redesign of AN/SPR–1—Same as CXHE except for frequency range.

Model	Class	Contractor	Year	Nominal power output (watts)	Type of emission	Frequency range	Purpose—remarks
CXHG	RADAR	CFN	1944			G Band	Ship—Experimental Interrogator-Responsor.
CXHH	DF	COL					CC–10 remote operation—Ship-shore communications DF—Similar to CXHL except built along shipboard design—Experimental for DBJ.
CXHJ	VHF REC	CNA				200–400 mc	CC–10 remote control—Ship-shore communications—Experimental for Model RDX.
CXHK	REC	CNA				200–400 mc	Ship - shore—Communications countermeasures—Experimental for Model RDY.
CXHL	DF	CFT	1944			200–400 mc	Ship—Communications & DF—CC–10 remote operation—Similar to CXHE except built along aircraft lines.
CXHM	DF	CIA	1944			1.5–100 mc	Portable VHF Radio DF.
CXHN	DF	CFT	1944			1000–3000 mc	Ship—Experimental Radio DF Equipt.—Uses AN/APR–1 Receiver—Same as CXGP except for frequency range.
CXHO	DF	CFT	1944			3000–6000 mc	Ship—Experimental Radio DF Equipt.
CXHP	DF	CFT	1944			100–600 mc	Experimental Radio DF Equipt.
CXHQ	DF	CFT	1944			70–200 mc	Aircraft—UHF Radio DF Equipt.
CXHR	RADAR	Rad. Labs	1944			S Band	Ship (CV)—Experimental Radar Search Equipt.—SCI.
CXHS	RADAR	CS	1944			2000–4000 mc approx.	Experimental for Model MBG—Experimental Transportable PPI Data Transmission Equipt.—Marcorps.

RADIO DIRECTION FINDING EQUIPMENT AND NAVIGATIONAL AIDS—D SERIES

Model	Contractor	Year	Frequency range	Purpose—remarks
DA	RL	1918	250–600 kc	Obsolete.
DB	RW	1921	40–600 kc	Do.
DC	RL	1923	300–750 kc	Do.
DF*	CR	1928	285–545 kc	Ship—(ER–1445A)—Obsolete.
DG	CR	1928	100–1000 kc	General Service—Obsolete.
DH	CAY	1928	10–30 kc	Shore—See Model XX—Obsolete.
DJ	CAY	1930	1000–4525 kc	Experimental—Obsolete.
DK	CAY	1930	100–1000 kc	General Service—Obsolete.
DL	CAY	1931	100–1000 kc.	Do.
DM	CRV	1931	100–1000 kc	Do
DN	CKD	1932	280–1500 kc	Ship—Obsolete.
DN–X	CRV	1931	200–1500 kc	Aircraft—Experimental—Obsolete.
DO	CRV	1933	100–1500 kc	Ship—General—Obsolete.
DO–1	CRV	1933	100–1500 kc	Do.
DO–2	CRV	1933	100–1500 kc	Do.
DO–3	CRV	1933	100–1500 kc	Do.
DP	CRV	1934	100–1500 kc	Do.
DP–1	CRV	1934	100–1500 kc	Ship—Obsolete.
DP–2	CRV	1934	100–1500 kc	Do.
DP–3	CRV	1934	100–1500 kc	Do.
DP–4	CRV	1935	100–1500 kc	Ship—General—Obsolete.
DP–5	CRV	1935	100–1500 kc	Do.
DP–6	CRV	1935	100–1500 kc	Do.
DP–7	CRV	1937	100–1500 kc	Ship-Shore—General—Obsolete.
DP–8	CRV	1937	100–1500 kc	Do.
DP–9	CRV	1939	100–1500 kc.	Do.
DP–10	CRV	1939	100–1500 kc	Do.
DP–11	CRV	1940	100–1500 kc	Do.
DP–12	CRV	1940	100–1500 kc	Do.
DP–13	CRV	1940	100–1500 kc	Do.
DP–14	CRV	1941	100–1500 kc	Shore.
DP–15	CRV	1941	100–1500 kc	Do.
DP–16	CRV	1941	100–1500 kc	Do.
DP–17	CRV	1941	100–1500 kc	Do.
DP–18	CRV	1942	100–1500 kc	Ship.
DP–19	CRV	1942	100–1500 kc	Do.
DQ	CRV	1935	100–1500 kc	Submarines—Obsolete.
DQ–1	CRV	1935	100–1500 kc	Do.

RADIO DIRECTION FINDING EQUIPMENT AND NAVIGATIONAL AIDS—D SERIES

Model	Contractor	Year	Frequency range	Purpose—remarks
DQ–2	CRV	1937	100–1500 kc	Submarines—Obsolete.
DQ–3	CRV	1939	100–1500 kc	Do.
DQ–4	CRV	1940	100–1500 kc	Do.
DQ–5	CRV	1940	100–1500 kc	Do.
DQ–6	CRV	1940	100–1500 kc	Do.
DQ–7	CRV	1942	100–1500 kc	Ships and Coast Guard—Obsolete.
DR	CKD	1936	200–18000 kc	Ship-Shore—Marine Corps—Obsolete.
DS	RW/CRR	1936	DF 220–1500 kc; REC 200–2000 kc.	Aircraft—Naval Reserve—Obsolete.
DT	RW	1937	2500–30000 kc	Shore—Semiportable—Obsolete.
DT–1	RW	1939	2500–30000 kc	Do.
DT–2	RW	1942	2500–30000 kc	Shore—Semiportable.
DU	CRR	1938	220–8000 kc	Aircraft—Power from RU Rec—Obsolete.
DU–1	CRR	1940	200–1600 kc	Aircraft—Power from RU Rec.
DU–2	CDT	1942	200–1600 kc	Do.
DV	CRR	1938	220–1500 kc	Aircraft—Power from RU Rec.—Obsolete.
DW	CRR	1938	220–1500 kc	Do.
DW–1	CRR	1940	200–1600 kc	Aircraft—Power from RU Rec.
DY	RW	1939	3000–30000 kc	Shore—Obsolete.
DY–1	RW	1940	1000–30000 kc	Shore.
DY–2	RW	1941	540–30000 kc	Semi-Portable.
DY–3	RW	1941	540–30000 kc	Shore—Semiportable.
DY–4	RW	1942	540–30000 kc	Do.
DZ*	CRV	1939	15–70 kc and 100–1500 kc	Aircraft—(MI-8814).
DZ–a	CRV	1939	15–70 kc and 100–1500 kc	Aircraft—Obsolete.
DZ–1	CRV	1939	15–70 kc and 100–1500 kc	Do.
DZ–2	CRV	1939	15–70 kc and 100–1750 kc	Do.
DZ–2a	CRV	1939	15–70 kc and 100–1750 kc	Aircraft (lighter-than-air)—Obsolete.
DAA	RW	1941	2000–18100 kc	Semi-Portable.
DAB*	COL	1941	2000–18100 kc	Shore—(K–258C).
DAB–1	COL	1942	2000–18100 kc	Shore.
DAB–2	COL	1942	2000–18100 kc	Lend Lease.
DAB–3	COL	1942	2000–18100 kc	
DAE	CRM	1942	220–1600 kc	Ship.
DAE–1	CRM	1942	220–1600 kc	Do.
DAE–2	CRM	1943	240–2000 kc	Same as DAE–1 except has antenna pedestal.
DAF**	CRG	1942	80–3500 kc	General Service—(101YF)—Obsolete.
DAF–1**	CRG	1942	80–3500 kc	General Service—Obsolete.
DAG*	CIA	1942	1500–18200 kc	General Service—Portable—(PADF–1).

DAG–1	CIA	1942	1500–18200 kc	General Service—Portable.
DAG–2	CIA	1943	1500–18200 kc	Do.
DAH	CFT	1942	250–1500 kc	Shore.
DAH–a	CFT	1943	250–1500 kc	Do.
DAH–1	CFT	1942	250–1500 kc	Do.
DAH–2	CFT	1943	250–1500 kc	Do.
DAH–3	CFT	1944	250–1500 kc	Shore, for Army.
DAJ	CFT	1942	1500–30000 kc	Shore.
DAJ–2	CFT	1944	1.5–30 kc	Do.
DAK	CFT	1942	250–1500 kc	Ship.
DAK–1	CFT	1943	250–1500 kc	Do.
DAK–2	CFT	1943	250–1500 kc	Do.
DAK–3	CFT	1944	250–1500 kc	Ship—Standard MF shipboard installation.
DAK–4	CFT	1944	250–1500 kc	Same as DAK–2 without antenna—Procured for Army use.
DAL	CFT	1942	1500–3750 kc	Shore.
DAM	CFT	1942	3750–7500 kc	Do.
DAN	CFT	1942	7500–15000 kc	Do.
DAO	CFT	1942	15000–30000 kc	Do.
DAP**	CGQ	1942	290–550 kc	General Service—(DN200B).
DAQ	CFT	1942	1500–21000 kc	Ship.
DAR	RA	1942	1000–20000 kc	Ship—British FH–3 equipment modified by NRL.
DAS	CG	1943		Radio Navigation Equipment—Ship Loran Receiver-Indicator.
DAS–a	CG	1943		DAS with PRR switch added.
DAS–b	CG	1944		DAS–a with radio frequency channels modified.
DAS–1	CFE	1944		Radio Navigation Equipment—Ship Loran Receiver-Indicator.
DAS–1a	CFE	1944		DAS–1 with PRR switch added.
DAS–1b	CFE	1944		DAS–1a with radio frequency channels modified.
DAS–2	CG	1943		Same as DAS–b.
DAS–3	CFE	1943		Same as DAS–b except for slight improvements.
DAS–4	CFE	1944		Same as DAS–3 except has slight improvements.
DAT	CFT	1943	140–600 mc	Ship—Radio DF Equipment—Production of CXFF—Cancelled, will be reassigned.
DAU	CFT	1944	1.5–22 mc	Ships—DAQ modified to include panoramic adaptor (±75 kc).
DAU–1	CFT	1944	1.5–22 mc	Same as DAU except does not include collector system and transmission lines.

RADIO DIRECTION FINDING EQUIPMENT AND NAVIGATIONAL AIDS—D SERIES

Model	Contractor	Year	Frequency range	Purpose—remarks
DAV	CN	1943	2.3–4.5 mc	Portable—MAB modified plus DF adaptor unit.
DAV–1	CN	1943	2.3–4.5 mc	Same as DAV—Improved packaging.
DAV–2	CCI	1944	2.3–4.5 mc	Portable—0.2 watts, A3.
DAW	RW	1943	1.5–22 mc	Advance bases—Mobile—Includes DAQ, plus DAG, RBG–2 and one TCS–5, one Kohler 1500 w Gasoline Engine Generator, Ballon Antenna, Antenna Assembly, Truck, and Trailer.
DAW–1	RW	1944	1.5–22 mc	Same as DAW except uses different trailer—Installation of gear slightly different from DAW.
DAW–2	RW	1944	1.5–22 mc	Advance bases—Same as DAW–1 except it does not include an RBG.
DAW–3	CDE	1944	1.5–22–mc (approx.)	Same as DAW–2, Production version.
DAX**	CFT	1944	1.5–22 mc (approx.)	Portable—USMC—For jeep use—Panoramic adaptor optional. (D/S–207)
DAY**	CFT	1944		USMC—Similar to DAX—Panoramic adaptor optional. (D/S–207)
DAZ**	CFT	1944		Do.
DBA	CIA	1944	1.5–30 mc	Portable—Shore—Similar to XCM.
DBA–1	CDT	1944	1.5–30 mc	Mechanical redesign of DBA.
DBB	CFT	1944		Semiportable (tripod)—Ship.
DBB–1	CFT	1944		Semiportable (tripod)—Same as DBB except for antenna.
DBC	CFT	1944		Semiportable (tripod)—Horizontally polarized antenna.
DBC–1	CFT	1944	100–600 mc	Semiportable (tripod)—Vertically polarized antenna.
DBD		1944	200–1750 kc	Semiportable (tripod).
DBE	CS	1944		Loran Receiver Indicator—Ship—Same purpose as DAS series—Has direct reading.
DBF	CFT	1944		Shore—Production of CXGG–1.
DBG	CDL	1944		Portable (Pack Set) Radio DF Equipment—Reassigned MAY.—Canceled.
DBH	CMW	1944	250 kc–30 mc	HF/MF Radio DF Equipment—Ship.
DBJ	CFT	1944		DF-Communication Equipment—Ship-shore—Uses an RDX receiver—CC-10—Remote control—Production of CXHH.

DBK	CFT	1944		DF-Communication Equipment—Ship-shore—Uses an RDY receiver—Full Panoramic Sweep—CV—Local control.
DBL	CFT	1944	200–400 mc	DF-Communication Equipment—Ship-shore—Uses Model RDS receiver and indicator.
DBM	CFH	1944		Ship.
DBM–1	CBM	1944		Do.
DBN	RA	1944		Ultra-portable Pack Set.
LRN–1	CFE	1942		Loran Receiver-Indicator—Similar to DAS–Equipment—Not Navy Model Letters.
LRN–1a.				

EMERGENCY POWER EQUIPMENT—E SERIES

Model	Contractor	Year	Output			Power factor	Gasoline engine	Diesel engine	Remarks
			Voltage	Kva	Kw				
EA									Aircraft.
EB	CKC	1928			3		X		
EC	CKC	1933	115 d. c		6				
EC–1	CKC	1937	115 d. c		6		X		Shore.
EC–2*	CKC	1940	115 d. c		6		X		Ship—(6MH1).
ED*	CSB	1933	230/3/60		3.75			X	(GN–441–9).
EF	CG	1936	500 v at 0.065 amp and 12.6 v at 0.86 amp.				X		For use with TBO and TBO–1.
EF–1	CG	1939	Same as EF						For use with TBO, TBO–1, and TBX.
EF–2	CG	1940	Same as EF						
EF–3	CG	1941	Same as EF						Mechanically different.
EF–4	CG	1942	Same as EF						For use with TBX–4.
EF–5	CG	1943	500–550 v at 0.085 amp and 12.6 v at 0.86 amp.						
EF–6	CG	1943	Same as EF–5						For use with TBX–7.
EF–7	CCW	1944	Same as EF						For use with TBX.
EF–8	CCW	1944	Same as EF–5						For use with TBX series.
EG	CG	1936	500 v at 0.065 amp and 12.6 v at 0.86 amp.						Aux. A–C Motor-Generator Equipment—Input 115/1/60—for use with TBO and TBO–1.
EG–1	CG	1939	Same as EG						For use with TBO, TBO–1 and TBX.
EG–2	CG	1940	Same as EG						For use with TBO. and TBX series.
EG–3	CG	1941	Same as EG						
EG–4	CG	1941	Same as EG						For use with TBX–3—USCG.
EG–5	CHZ	1942	Same as EG						For use with TBX series.
EG–6	CG	1943	Same as EG						For use with TBX–7.
EG–7	CGQ	1944	Same as EG						For use with TBX–8.
EH	CG	1936	500 v d. c. at 0.065 amp. and 12.5 v d. c. at 0.86 amp.						Auxiliary D–C Motor-Generator Equipment—Input 115 volts d. c.—For use with TBO and TBO–1.
EH–1	CG	1939	Same as EH						For use with TBO, TBO–1, and TBX.
EH–2	CG	1940	Same as EH						For use with TBO and TBX series.
EH–3	CG	1941	Same as EH						Do.
EH–4	CHZ	1942	Same as EH						Do.
EJ	CG	1939	500 v d. c. at 0.065 amps						Auxiliary Dynamotor Equipment—Input 11.5 volts d. c. at 7 amps (80

								watts)— For use with TBO and TBX series.
EJ–1	CG	1940	Same as EJ					
EJ–2	CG	1941	Same as EJ					
EJ–3	CG	1941	Same as EJ					For use with TBX–3 (Coast Guard).
EJ–4	CHZ	1942	Same as EJ					
EJ–5	CG	1943	Same as EJ					For use with TBX–6.
EJ–6	CG	1943	Same as EJ					For use with TBX–7.
EJ–7	CGQ	1944	Same as EJ					For use with TBX–8.
EK	CKC	1940	230 v d. c		6		X	Ship.
EL*	CG	1941	−15, −6, +90, +135, and 3 ±40% d. c.					Auxiliary Rectifier Equipment—Input 115 ±10%/1/60 ±2%, approximately 33 watts—For use with TBO/TBX series. (RA–1520).
EL–1	CG	1941	Same as EL					For use with TBX–3 (Coast Guard).
EL–2	CHZ	1942	Same as EL					
EL–3	CG	1943	Same as EL					For use with TBX–7.
EL–4	CGQ	1944	Same as EL					For use with TBX–8—Cancelled, reassigned EAO.
EM	CG	1941	3 v d. c. at 0.35 amps and 150 v d. c. at 0.036 amps.					Auxiliary Dynamotor Equipment—Input 6 volts ±15% d. c., approximately 20 watts.
EN	CG	1941	3 v d. c. at 0.4 amps and 150 v d. c. at 0.04 amps.					Auxiliary Dynamotor Equipment—Input 12 volts ±15% d. c., approximately 20 watts.—For use with TBO/TBX series.
EN–1	CG	1941	Same as EN					For use with TBX–3—USCG.
EN–2	CHZ	1942	Same as EN					For use with TBX–4.
EN–3	CG	1943	Same as EN					For use with TBX–7.
EN–4	CGQ	1944	Same as EN					For use with TBX–8.—Cancelled, reassigned EAP.
EO	CG	1941	3 v d. c. at 0.36 amps and 150 v d. c. at 0.036 amps.					Auxiliary Dynamotor Equipment—Input 24 volts ±15%, approximately 20 watts—For use with TBO/TBX series.
EP	CG	1941	3 v d. c. at 0.36 amps and 150 v d. c. at 0.036 amps.					Auxiliary Dynamotor Equipment—Input: 32 volts ±15% d. c., approximately 20 watts—For use with TBO/TBX series.
EQ	CG	1941	3 v d. c. at 0.36 amps and 150 v d. c. at 0.036 amps.					Auxiliary Dynamotor Equipment—Input: 110 volts ±10% d. c., approximately 20 watts—For use with TBO/TBX series.
EQ–1	CHZ	1942	Same as EQ					For use with TBX–4.

EMERGENCY POWER EQUIPMENT—E SERIES

Model	Contractor	Year	Output			Power factor	Gasoline engine	Diesel engine	Remarks
			Voltage	Kva	Kw				
ER*	CKC	1942	115/1/60	1.5		1.0	X		Emergency Power Equipment—Shore—Starting relay operates on 60 cycles (1E–21).
ER–1*	CKC	1942	115/1/60	1.5		1.0	X		Full Automatic, otherwise same as ER—Shore—(1A–21).
ER–2*	CKC	1942	115/1/60	1.5		1.0	X		Identical to ER—Shore—(1E–21).
ER–3*	CKC	1943	115/1/60	1.5		1.0	X		Identical to ER–2—Shore.—(1E–21)
ER–4**	CKC	1943	115/1/60	1.5		1.0	X		Same as ER–2 except for slight modifications for use of 60 to 100 Octane Gas—(1E–21).
ES*	CKC	1942	115/1/60 and 12 v, 12.5 amp.	1.5	150 w for cranking engine.	1.0	X		Emergency Power Equipment—Same as ER except starting relay operates from 25-cycle line—(1E–21 with 25 cycle relay).
ET*	CDO	1942	115/1/60		3		X		Does not include battery—Advanced bases & radio trucks—(W3S Type "TRSEL").
EU*	CCW	1942	115/1/60	1.5		1.0	X		Uses a Wisconsin Motor Corp. Model AK engine—Shore—(15–DS242).
EV**	CMP	1942	120/240/1/60	6.3		.80	X		Same as EV-1 except not radio shielded—Shore—(MG–6).
EV–1**	CMP	1942	120/240/1/60	6.3		.80	X		Same as EV except Radio Shielded—shore—(MG–6).
EW*	CWZ	1942	110 v d. c		6.0			X	Includes 12 volt storage battery and 50 gallon fuel tank—Shore (VD–16 Code VABAT).
EX*	CWZ	1942	110/220/1/60	7.5		.80		X	Includes 12 volt storage battery and 50 gallon fuel tank—Shore—(VD–21 Code VABTO).
EY	CDX	1942	110 v d. c	18.75	5.0	.80		X	Shore.
EZ	CDX	1942	220/3/60		15			X	Do.
EAA	Standard Gas Engine Co.	1942	110/220/1/60	6.25	5.0	.80		X	Cancelled.—Shore—Reassigned.
EAB	Standard Gas Engine Co.	1942	110/220/1/60	12.5	10.0	.80		X	Cancelled.—Shore—Reassigned.
EAC	Standard Gas Engine Co.	1942	110/220/3/60	12.5	10.0	.80		X	Cancelled.—Shore—Reassigned.

EAD*	CWZ	1942	115/230/1/60	3. 0				X	115 volt (2 wire); 230 volt (2 wire); 115/230 (3 wire)—Includes 12 volt Storage Battery and 5 gallon fuel tank—Shore—Advance Base.—(VD–11 Code VERHI).
EAE*	CVM	1942	115/1/60	1. 5		1. 0	X		Crank Start (No Battery)—Two gallon fuel tank mounted on engine—Advanced Bases.—(AA–21).
EAF*	CZT	1942	110/220/1/60		13. 0	. 9		X	Three wire—Has 10 terminals for reconnection to 110, 220, 1 phase at 13 KW or 110, 220 volt (3 wire) 3 phase, or 127/220 volts (4 wire) 3 phase at 15 kw—Includes accessory circuit breaker—Starting accomplished by independent crank-start gasoline engine mounted on equipment. Shore—Advanced Bases.—(34–15S).
EAF–1	CZT	1943							Same as EAF except does not include accessory circuit breaker.—Shore—Advance Bases.
EAF–2	CZT	1943							Same as EAF except purchased from P. I. Perkins Co.
EAF–3	CZT	1943							Same as EAF except is radio shielded—Includes accessory circuit breaker.
EAG*	COX	1942	12 d. c		. 3		X		Purchased from Montgomery Ward Co.—Used as Model TCS battery chargers—Radio shielded.—(Tiny Tim L–123 Spec. 3).
EAG–1*	COX	1944	12 d. c	. 3			X		(L–122).
EAH*	CDO	1943	115/1/800 28 d. c		550 w.; 500 w.		X		Engine operates on high octane (aviation) gasoline.—Includes guard and mounting frame and splash-proof canvas cover—Advanced Bases—Marcorps.—(OTC–58E).
EAJ*	CWZ	1943	110/220/1/60	10. 0				X	Belt-connected units—Includes 50 gallon fuel tank.—(HD–40 "DIESO").
EAK*	CDO	1943	12–14 d. c		. 4				Air-cooled, self-starting and fully automatic battery charger—Marcorps.—(48S).
EAL	CCW	1944	12 d. c.; 6 d. c		350 w.; 175 w.		X		For charging 12 or 6 volt batteries—Signal Corps Type PE–167—Uses a (CCW) Model 3 DPZ generator and a Briggs & Stratton Model NP gas engine.

EMERGENCY POWER EQUIPMENT—E SERIES

Model	Contractor	Year	Output			Power factor	Gasoline engine	Diesel engine	Remarks
			Voltage	Kva	Kw				
EAM*	CWZ	1944	110/220/1/60	5.00		.80		X	Radio shielded.—(HD–24 "DIELA").
EAN	CDO	1944	115/1/60		2		X		Radio shielded.
EAO	CGQ	1944							Auxiliary rectifier power equipment.—For use with TBX–8.
EAP	CGQ	1944	12 v. d. c. Output: +1.4, +3, −6, −15, +90, +135 v. d. c.						For use with TBX–8.

FREQUENCY SHIFT KEYING EQUIPMENT—FS SERIES

Model	Contractor	Year	Output (watts)	Type of emission	Frequency range	Purpose—remarks
FSA	CW	1944	5		16.7 mc	Ship-Shore Frequency Keyer.
FSB		1944	2	A_3	140–144 mc	Shore-Frequency Shift Keyer.

Model	Contractor	Year	Output (watts)	Emission	Transmitter frequency	Receiver frequency	Purpose—remarks
GA	CG	1922	100	A_2	285–600 kc		Obsolete RH REC.
	RW	1925		A_2			
	CAY	1927		A_2			
	CBK	1928					
GA–1*	CAY	1931	100	A_2	285–600 kc		Obsolete RH REC (R–423–B).
GB	RA	1924	2 kw	A_1	112–550 kc	No REC	Ex-SHANNANDOAH, Now Shore—Obsolete.
GC	RA	1926	50	A_1	3475–8410 kc	No REC	Obsolete.
GD	CAY	1929	200	A_1, A_2	300–600 kc	15–22000 kc	Do.
				A_1	3000–4525 kc; 6000–9050 kc; 9000–13575 kc; 12000–18100 kc.		
GF	CBY	1932	1. 5	A_1, A_2, A_3	6200–7700 kc		RU–2 REC—Obsolete.
GF–1	CBY	1934	3	A_1, A_2, A_3	6200–7700 kc		RU–3 REC—Obsolete.
GF–2*	CBY	1934	15	A_1, A_2, A_3	3000–3675 kc; 3675–4525 kc; 6000–7350 kc; 7350–9050 kc.[1]		RU–3a REC—Obsolete—(457c).
GF–3	CBY	1935	15	A_1, A_2, A_3	3000–3675 kc; 3675–4525 kc; 6000–7350 kc; 7350–9050 kc.[1]		RU–4a REC—Obsolete.
GF–4	CBY	1936	15	A_1, A_2, A_3	3000–3675 kc; 3675–4525 kc; 6000–7350 kc; 7350–9050 kc.[1]		RU–5a REC—Obsolete.
GF–5	CBY	1938	15	A_1, A_2, A_3	3000–3675 kc; 3675–4525 kc; 6000–7350 kc; 7350–9050 kc.[1]		Obsolete.
GF–6	CBY	1938	15	A_1, A_2, A_3	2000–4525 kc[1]		RU–8 REC—Naval Reserve—Obsolete.
GF–7	CBY	1938	15	A_1, A_2, A_3	2000–2500 kc; 2500–3200 kc; 3000–3675 kc; 3675–4525 kc; 4000–4900 kc; 4900–6000 kc; 6000–7350 kc; 7350–9050 kc.[1]		RU–9 REC—Naval Reserve—Obsolete.
GF–8	CBY	1939	15	A_1, A_2, A_3	3000–3675 kc; 3675–4525 kc; 6000–7350 kc; 7350–9050 kc.[1]		RU–13 REC—Obsolete.
GF–9	CBY	1939	15	A_1, A_2, A_3	3000–3675 kc; 3675–4525 kc; 6000–7350 kc; 7350–9050 kc.[1]		RU–14 REC—Obsolete.
GF–10	CBY	1939	15	A_1, A_2, A_3	3000–3675 kc; 3675–4525 kc; 4000–4900 kc; 4900–6000 kc 6000–7350 kc; 7350–9050 kc.[1]		RU–15 REC—Naval Reserve—Obsolete.
GF–11	CW	1941	15	A_1, A_2, A_3	3000–4525 kc; 6000–9050 kc[1]		RU–16 REC—Ships—Marine.
GF–12	CW	1941	15	A_1, A_2, A_3	3000–4525 kc; 6000–9050 kc[1]		RU–17 REC.
GH	CAY	1929	100	A_1, A_2	300–600 kc; 4000–4525 kc; 8000–9050 kc; 12000–18100 kc.	200–600 kc; 3000–18500 kc	Obsolete.

GH-X	CAY	1929	100	A_1, A_2	300–600 kc; 4000–4525 kc; 8000–9050 kc; 12000–13575 kc.	200–600 kc; 3000–18500 kc	Experimental—Obsolete.
GH-1	CAY	1931	100	A_1, A_2	300–600 kc; 4000–4525 kc; 8000–9050 kc; 12000–13575 kc.	200–600 kc; 3000–18500 kc	Obsolete—Used on ground.
GI	CG	1930	100	A_1, A_2	300–600 kc; 4000–4525 kc; 8000–9050 kc; 12000–13575 kc.	200–25000 kc	Do.
GK	CAY	1930	500	A_1, A_2	300–605 kc; 3000–4525 kc; 8000–9050 kc; 12000–13575 kc; 16000–18100 kc.	15–1000 kc; 300–30000 kc	Rigid Airships—Obsolete.
GK-1	CAY	1932	500	A_1, A_2	300–615 kc; 3000–4525 kc; 8000–9050 kc; 12000–13575 kc; 16000–18000 kc.	15–1000 kc; 300–30000 kc	Do.
GL	RW/RA	1932	5	A_2, A_3	52–60 mc	52–60 mc	Obsolete.
GM	CN	1933	14	A_1, A_2, A_3	3000–4525 kc; 6000–9050 kc	No REC	Obsolete—Marine.
			9				
GN	CW	1935	100	A_1, A_2, A_3	350–1500 kc; 1500–9050 kc	RAM REC	Obsolete.
GO	CHS	1933	100	A_1, A_2	300–600 kc; 4000–1357 kc	RU Series	Do.
GO-1	CW	1934	125	A_1, A_2	300–600 kc; 3000–1357 kc	RU Series	Do.
GO-2	CW	1935	125	A_1, A_2	300–600 kc; 3000–13575 kc	RU Series	Do.
GO-3	CAY	1937	125	A_1, A_2	300–600 kc; 3000–13575 kc	RU Series	Do.
GO-4	CG	1938	125	A_1, A_2	300–600 kc; 3000–26500 kc	RU Series	Do.
GO-5	CG	1939	135	A_1, A_2	300–600 kc; 3000–26500 kc	RU Series	Do.
GO-6	CG	1939	135	A_1, A_2	300–600 kc; 3000–26500 kc	RU Series	Do.
GO-7	CAY	1940	125	A_1, A_2	300–600 kc; 3000–18100 kc	RU Series	
GO-8	CAY	1940	125	A_1, A_2	300–600 kc; 3000–18100 kc	RU Series	
GO-9	CAY	1940	125	A_1, A_2	300–600 kc; 3000–18100 kc	RU-18, RU-19 or RAX-1	
GP	CRV	1934	125	A_1, A_2	350–1500 kc	RU Series	Do.
			85	A_3	3000–9050 kc.		
GP-1	CW	1934	125	A_1, A_2	350–1500 kc	RU Series	Do.
			40	A_3	3000–9050 kc.		
GP-2	CRV	1935	125	A_1, A_2	350–1500 kc; 300–9050 kc	RU Series	Do.
GP-3	CAY	1936	125	A_1, A_2	3000–9050 kc	RU Series	Do.
			100	A_1, A_2	800–1500 kc.		
			85	A_1, A_2	350–800 kc.		
			30–40	A_3	350–1500 kc; 3000–9050 kc.		
GP-4	CAY	1938	125	A_1, A_2	3000–9050 kc	RU Series	Do.
			100	A_1, A_2	800–1500 kc.		
			85	A_1, A_2	350–800 kc.		
			30–40	A_3	350–1500 kc; 300–9050 kc.		
GP-4a	CAY	1938	125	A_1, A_2	3000–9050 kc	RU Series	Do.
			100	A_1, A_2	800–1500 kc.		
			85	A_1, A_2	350–800 kc.		
			30–40	A_3	350–1500 kc, 3000–9050 kc.		

[1] GF-2 thru GF-12 equipments are capable of operation over a frequency range of 2000–13575 kc with proper plug-in coil sets, provided such sets are available.

AIRCRAFT TRANSMITTING EQUIPMENT—G SERIES

Model	Contractor	Year	Output (watts)	Emission	Transmitter frequency	Receiver frequency	Purpose—remarks
GP–5	CAY	1938	125	A_1, A_2	3000–9050 kc	RU Series	Obsolete.
			100	A_1, A_2	800–1500 kc.		
			85	A_1, A_2	350–800 kc.		
			30–40	A_3	350–1500 kc; 3000–9050 kc.		
GP–6	CAY	1940	125	A_1, A_2	3000–9050 kc	RU Series	
			100	A_1, A_2	800–1500 kc.		
			85	A_1, A_2	350–800 kc.		
			30–40	A_3	350–1500 kc; 3000–9050 kc	RU Series	
GP–6a	CAY	1940	125	A_1, A_2	350–1500 kc	RU Series	
			40	A_3	3000–9050 kc.		
GP–7	CAY	1940	125	A_1, A_2	350–1500 kc	RU Series	
			40	A_3	3000–9050 kc.		
GQ	CRR	1937	15	A_3	3000–7000 kc	150–1500 kc; 1800–15000 kc; DF 150–1500 kc.	Itinerant flying—Obsolete.
GR	CRR	1938	15	A_3	3105–6630 kc	RAP	Do.
GS	CDF	1939	25	A_3	20–30 mc	RAY	Obsolete.
GT							Reassigned as ATA.

SOUND LISTENING (RECEIVING) EQUIPMENT—J SERIES

Model	Contractor	Nominal frequency	Projector	Hoist	Train	Purpose—remarks
JA						Obsolete.
JB						Obsolete.
JC						Obsolete.
JD						Obsolete.
JE						Obsolete.
JF						Obsolete.
JG						Obsolete.
JH						Obsolete.
JK	RW	14–32 kc	R/S	None	Hand	Listening—Normally on R & S Submarines—Obsolete.
JK–1						Obsolete.
JK–2						Obsolete.
JK–3						Obsolete.
JK–4						Obsolete.
JK–5						Obsolete.
JK–6						Obsolete.
JK–7						Obsolete.
JK–8	CBM	14–32 kc	R/S	None	Hand	Listening—Normally on R & S boats.
JK–9	CBM	17–25 kc	R/S	Hand	do	Listening—Small boat—patrol craft—Converted to QBE.
JKA	CBM	14–32 kc	R/S	Hydraulic	Electric	Listening—Submarines.
JKA–1	CBM	14–32 kc	R/S	do	do	Do.
JKA–2	CBM	14–32 kc	R/S	do	do	Do.
JKA–3	CBM	14–32 kc	R/S	do	do	Do.
JKA–4	CBM	14–32 kc	R/S	do	do	Do.
JKA–5	CBM	14–32 kc	R/S	do	do	Do.
JKA–5a	CBM	14–32 kc	R/S	do	do	Do.
JL Series						Obsolete.
JM	CIA	Sonic	M/S			Harbor Defense—Sono-Buoys—FM: 15—Listening—Obsolete.—Radio transmission 70–90 mc.
JM–1	CIA	Supersonic	R/S			Harbor Defense—Sono-Buoys—FM: 15—Listening.
JM–2	CWQ	Supersonic	R/S			Do.
JM–3	CIA	Supersonic	R/S			Do.
JM–4	CIA	Supersonic	R/S			Do.
JN	CBD	Sonic	R/S	Portable	Nondirectional	Stationary—Listening.
JN–1	CBD/CQA	Sonic	R/S	do	do	Do.

SOUND LISTENING (RECEIVING) EQUIPMENT—J SERIES

Model	Contractor	Nominal frequency	Projector	Hoist	Train	Purpose—remarks
JO	CBD	Sonic	R/S	Fixed	Fixed	Direction Selection—4 fixed parabolic horns in bow blisters.
JP	CQA	Sonic Plus	M/S	Out-rigger	Hand	Listening—Toroidal rings.
JP–1	RQ	0.1–12 kc	M/S	Fixed	do	Listening—Submarines—Topside mounted.
JP–2	RQ	Sonic 0.1–12 kc	M/S	Fixed	do	Similar to JP–1 except has different hydrophone assembly and amplifier.
JP–3	RQ	Sonic 0.1–12 kc	M/S	Fixed	do	Similar to JP–2 except has different hydrophone assembly.
JQ	CBD	Sonic plus	R/S	Out-rigger	do	Listening—Parabolic Horn
JR	RW, CBD, and CRW.	Sonic	R/S		Nondirectional	Harbor Defense—Listening—Cable-connected Hydrophone.
JR–1	CML, CBD, and CRW.	Sonic	R/S		do	Do.
JR–2	RW, CBD, and CDI.	Sonic	R/S		do	Do.
JT	CRV	100–60,000 cycles	M/S		Amplidyne	Listening—Submarines. Topside-mounted. Split hydrophone with RLI.

SOUND TRANSMITTING EQUIPMENTS—K SERIES

Model	Nominal frequency	Purpose—remarks
KA		Obsolete.
KB		Do.
KC	540 cycles	Sonic Oscillator—Obsolete.
KD	1050 cycles	Do.
KE	1050 cycles	Do.
KE–1	1050 cycles	Do.
KE–2	1050 cycles	Do.
KE–3	1050 cycles	Do.
KE–4	1050 cycles	Do.
KF	1050 cycles	Do.
KG		Obsolete.

Model	Contractor	Year	Frequency range	Purpose—remarks
LA	RW	1922	6–3000 kc	Absorption Meter—Obsolete.
LB	CAG	1929	100–4525 kc	Crystal Calibrator and Heterodyne Frequency Meter—General Service—100 kc crystal—Obsolete.
LC				Changed to LC–a.
LC–a	CAG	1934	15–30000 kc	Standard Signal Generator—General Service—Obsolete.
LC–1	CAG	1932	15–30000 kc	Standard Signal Generator—General Service.
	CAG	1933	7–30000 kc	Signal Generator—Special for NRL (one only)—Obsolete.
LD	CAG	1931	100–4525 kc	Crystal Calibrator and Heterodyne Frequency Meter—General Service—100 kc crystal—Obsolete.
LD–1	CG	1933	100–5000 kc	Crystal Calibrator and Heterodyne Frequency Meter—Operates from 5000–25000 by harmonic methods—General Service—100 kc crystal—Obsolete.
LD–2	CAG	1934	100–5000 kc	Do.
LD–3	CAG	1935	100–5000 kc	Do.
LD–4	CRR	1937	100–5000 kc	Crystal Calibrator and Heterodyne Frequency Meter—Operates from 5000–30000 harmonic methods—General Service—100 kc crystal—Obsolete.
LE	CRV	1932	1500–4525 kc	Heterodyne Frequency Indicator—Field use—Obsolete.
LF	RA	1931	20–30000 kc	Secondary Frequency Standard—Shore—Obsolete.
LE–a	RA	1941	15–30000 kc	Secondary Frequency Standard—Shore.
LG	RA	1931	20–30000 kc	Tertiary Frequency Standard—General Service—Obsolete.
LH	RA	1932	2000–5000	Visual Frequency Indicator—For laboratory test work—Crystal operated—Obsolete.
LJ	CHS	1933	195–1500 kc and 2000–13600 kc.	Aircraft Frequency Measuring Equipment—Obsolete.
LJ–1	CG	1934	195–1500 kc and 3000–13575 kc.	Do.
LK	CRR	1934	100–26000 kc	Drift Frequency Indicator—Inspection work—Crystal operated—Obsolete.
LK–1	CRR	1937	100–26000 kc	Naval Research Laboratory—Obsolete.
LM	CRR	1935	195–20000 kc	Aircraft Frequency Measuring Equipment—Obsolete.
LM–1	CRR	1936	195–20000 kc	Aircraft Frequency Measuring Equipment—Marine Corps—Obsolete.
LM–2	CRR	1937	195–20000 kc	Aircraft Frequency Measuring Equipment—Obsolete.
LM–3	CRR	1937	195–20000 kc	Aircraft Frequency Measuring Equipment—Marine Corps—Obsolete.
LM–4	CRR	1939	195–20000 kc	Aircraft Frequency Measuring Equipment—Obsolete.
LM–4a	CRR	1939	195–20000 kc	Do.
LM–5	CRR	1939	195–20000 kc	Do.
LM–6	CRR	1940	195–20000 kc	Ship (Neutrality) Frequency Measuring Equipment—Obsolete.
LM–7	CRR	1939	195–20000 kc	Aircraft Frequency Measuring Equipment—Battery operated—Obsolete.
LM–8	CRR	1941	195–20000 kc	Frequency Measuring Equipment—General Service—AC operated.
LM–9	CRR	1941	195–20000 kc	Marine Corps Frequency Measuring Equipment.
LM–10	CRR	1939	125–20000 kc	Aircraft Frequency Measuring Equipment—Power supply through cable from separate receiver.

LM–11	CRR	1941	125–20000 kc	Frequency Measuring Equipment—Ship-Shore—AC operated.
LM–12	CRR	1941	125–20000 kc	Frequency Measuring Equipment—General Service—Power supply through cable from RBM Series receiver—Submersionproof case.
LM–13	CRR	1939	125–20000 kc	Marine Corps and Aircraft Frequency Measuring Equipment—Dry battery operation from self-contained batteries.
LM–14	CKB	1942	125–20000 kc	Aircraft Frequency Measuring Equipment—Power supply through cable from separate receiver.
LM–15	CKB	1942	125–20000 kc	Frequency Measuring Equipment—Ship-Shore—AC operated.
LM–16	CKB	1942	125–20000 kc	Frequency Measuring Equipment—General Service—Power supply through cable from RBM Series receiver—Submersion-proof case.
LM–17	CKB	1942	125–20000 kc	Marine Corps and Aircraft Frequency Measuring Equipment—Dry battery operation from self-contained batteries.
LM–18	CRR	1943	125–20000 kc	Frequency Measuring Equipment—Ship-Shore—AC operated.
LM–19	CRR	1943	125–20000 kc	Frequency Measuring Equipment—General Service—Power supply through cable from RBM Series receiver—Submersion-proof case.
LM–20	CRR	1943	125–20000 kc	Frequency Measuring Equipment—General Service—Power supply through cable from RBM series receiver—Splash-proof canvas carrying case.
LN	CAG	1935	9.5–25000 kc	Alignment Oscillator—Obsolete.
LO*	CLB	1938	25–15000 cycles	Beat Frequency Audio Oscillator.
LO–1*	CLB	1941	25–15000 cycles	Do.
LO–2*	CLB	1942	25–15000 cycles	Do.
LO–3*	CLB	1943	25–15000 cycles	Do.
LP	CAG	1939	9.5–30000 kc	Standard Signal Generator.
LP–1	CAG	1940	9.5–30000 kc	Do.
LP–2	CAG	1941	9.5–30000 kc	Do.
LP–3	CAG	1942	9.5–30000 kc	Do.
LP–4	CAG	1943	9.5–30000 kc	Do.
LP–5	CFD	1944	9.5–30000 kc	Do.
LR	CAG	1939	160 kc–30 mc	Heterodyne Frequency Meter—Ship-Shore.
LR–1	CAG	1941	160 kc–30 mc	Do.
LR–2	CAG	1942	160 kc–30 mc	Do.
LS*	CWI	1941	91.4, 92.3, 93.1 mc	Squadron Signal Generator—Portable—(6028–A).
LS–1	CML	1942	91.4, 92,3. 93.1 mc	Squadron Signal Generator—Portable.
LT	CFT	1942		Portable Radar Test Equipment.
LU	CG	1943		Radar Test Equipment—For Model ABA IFF Equipment—(D/S BRD–65).
LU–1	CRB	1944		Modified Model LU equipments to transmit and receive on two spot frequencies—Also type modulation changed.
LU–2	CVF	1944		Similar to LU–1.
LU–3	CRB	1944		Similar to LU–2.
LV				Radar Calibrating Equipment—For use with ABA and BL series.
LW	CW	1942		Radar Test Equipment—For use with Radar Equipment Mark 3 and 4 series.
LX*	CAG	1942	7.5–330 mc	Signal Generator—(80–413 mod.).
LX–1	CFD	1944 1945	7.5–330 mc	Signal Generator.
LY	CG	1942		Radar Test Equipment—Similar to LW except for frequency.

PRECISION CALIBRATING EQUIPMENTS—L SERIES

Model	Contractor	Year	Frequency range	Purpose—remarks
LZ	CYK	1943	S_g band	Radar Test Equipment—First designed for use with Model ASC series.
LAA	CQS	1942	150–300	Frequency Measuring Equipment—Absorption type wavemeter.
LAB	CQS	1942	300–500 mc	Frequency Measuring Equipment—Absorption type wavemeter.
LAC	CQS	1943	2300–4000 mc	Frequency Measuring Equipment.
LAD	CYK	1943	S_g band	UHF Signal Generator Equipment—Same as TS–14/AP except for frequency range.
LAE	CRB	1943	510–1300 mc	R–F Signal Generator—General purpose.
LAE–1	CRB	1944	510–1300 mc	Do.
LAE–2	CHB	1944	510–1300 mc	Do.
LAE–3	CRB	1944	510–1300 mc	Do.
LAF	CABL	1943	90–600 mc	Do.
LAF–1	CRB	1943	90–600 mc	Do.
LAF–2	CRB	1944	90–600 mc	Do.
LAF–3	CABL	1944	90–600 mc	Do.
LAG	CGZ	1943	1200–4000 mc	Do.
LAH*	CLB	1943	110 kc–32 mc	Marines—(110–B).
LAJ	CAQI	1944	20/20,000	Resistance-tuned Audio Oscillator—General purpose.
LAK	CHK	1944	100 kc–72 mc	Test Oscillator—General purpose.
LRN	CFE	1942		*Not* Calibrating Equipment—Loran Receiver-Indicator—Similar to DAS–1 equipment.
LRN–1A				

COMBINED RADIO TRANSMITTING AND RECEIVING EQUIPMENTS—M SERIES

Model	Contractor	Year	Nominal power output	Type of emission	Transmitter frequency	Receiver frequency	Purpose—remarks
MA	RW	1923–25	15 w	A_2	505–820 kc	505–820 kc	Obsolete (ACCW).
MB	CAY	1925	30 w	A_1	550–1000 kc	550–1000 kc	Obsolete.
MB–a	CAY	1925	30 w	A_1	550–1000 kc	550–1000 kc	Do.
MB–b	CAY	1925	30 w	A_1	550–1000 kc	550–1000 kc	Do.
MB–1	CAY	1928	30 w	A_1	545–995 kc	545–995 kc	Do.
MB–2	CAY	1930	30 w	A_1	545–995 kc	545–995 kc	Do.
MB–3	CAY	1932	30 w	A_1	545–995 kc	545–995 kc	Do.
MC	CG	1927	100 w	A_1	200–600 kc	200–600 kc	Do.
MD	CG	1927	10 w	A_3	3000–3200 kc	3000–3200 kc	Do.
ME	CAY	1927	50 w	A_1	3000–4000 kc	3000–4000 kc	Do.
MF	CAY	1928	50 w	A_1	545–995 kc	545–995 kc	Do.
MF–1	CAY	1929–34	75 w	A_1	545–995 kc	545–995 kc	Do.
MF–2	CAY	1932	75 w	A_1	545–995 kc	545–995 kc	Do.
MG	RW	1928	10 w	A_3	3800–4000 kc	3800–4000 kc	Do.
MH	CAY	1931	5 w	A_1	4000–4525 kc	4000–4525 kc	Marine Corps—Obsolete.
MI–X*	CG	1931	100 w	A_1, A_2, A_3	200–9000 kc	200–9000 kc	Experimental—Obsolete—(RA–11010).
MJ–a	CAY	1931	15 w	A_1	545–585 kc	500–1465 kc	Obsolete.
			30 w		1005–1465 kc		
MK	CRV	1931	1 w	A_2, A_3	42.9–66.6 mc	42.9–66.6 mc	Do.
ML	CNR	1941	65 w	A_1, A_3	2000–3000 kc	2000–3000 kc	Ship.
ML–1	CNR	1941	65 w	A_1, A_3	2000–3000 kc	2000–3000 kc	Do.
ML–2	CNR	1941	65 w	A_1, A_3	2000–3000 kc	2000–3000 kc	Do.
ML–3	CNR	1942	65 w	A_1, A_3	2000–3000 kc	2000–3000 kc	Do.
ML–4	CNR	1943	65 w	A_1, A_3	2000–3000 kc	2000–3000 kc	Do.
MM	CAY	1940	100 w	A_1, A_2	350–1000 kc	200–2000 kc	Consists of TBW and RBM—Air transportable for general service.
			25 w	A_3	3000–18100 kc	2000–18100 kc	
MM–1	CAY	1940	100 w	A_1, A_2	350–1000 kc	200–2000 kc	Consists of TBW–1 and RBM–1—Air transportable for general service.
			25 w	A_3	3000–18100 kc	2000–18100 kc	
MM–2	CAY	1941	100 w	A_1, A_2	350–1000 kc	200–2000 kc	Consists of TBW–2 and RBM–2—Air transportable for general service.
			25 w	A_3	3000–18100 kc	2000–18100 kc	
MM–3	CAY	1942	100 w	A_1, A_2	350–1000 kc	200–2000 kc	Consists of TBW–3 and RBM–3—Air transportable for general service.
			25 w	A_3	3000–18100 kc	2000–18100 kc	

COMBINED RADIO TRANSMITTING AND RECEIVING EQUIPMENTS—M SERIES

Model	Contractor	Year	Nominal power output	Type of emission	Transmitter frequency	Receiver frequency	Purpose—remarks
MM-4	CAY	1942	100 w 25 w	A_1, A_2 A_3	350–1000 kc 3000–18100 kc	200–2000 kc 2000–18100 kc	Consists of TBW-4 and RBM-4.—Air transportable for general service.
MM-5	CAY	1943			200–2000 kc; 2000–20000 kc.	200–2000 kc; 2000–20000 kc.	Consists of TBW-5 and RBM-5—Similar to MM-4.
MN**	CFL	1942	2 w	FM:15 kc	30–42 mc	30–42 mc	Ship—CC-1 channel.
MN-1**	CFL	1942	2 w	FM:15 kc	30–42 mc	30–42 mc	Do.
MN-2**	CFL	1942	2 w	FM:15 kc	30–42 mc	30–42 mc	Do.
MN-3**	CFL	1943	2 w	FM:15 kc	30–42 mc	30–42 mc	Do.
MN-4**	CFL	1943	2 w	FM:15 kc	30–42 mc	30–42 mc	Aircraft—CC-1 channel.
MN-5	CFL	1944		FM:15 kc	30–42 mc	30–40 mc	Ship—CC-1 channel.—BuAer—CC-4 channel—Model 150-C.
MO	CCI	1941	25 w	A_2, A_3	3000–8000 kc	3000–8000kc	Marine Corps—CC-4 channel.
MO-1	CCI	1942	15 w	A_2, A_3	3000–8000 kc	3000–8000 kc	Shore—Marine Corps—CC-4 channel.
MO-2	CCI	1942	15 w	A_2, A_3	3000–8000 kc	3000–8000 kc	BuAer—CC-4 channel.
MP	CCI	1941	0.2 w	A_3	2300–4600 kc	2300–4600 kc	Marine Corps—Paratroops—CC-1 channel—Obsolete.
MQ*	CRM	1942	5 w	A_3	2000–3500 kc	2000–3500 kc	Ship—CC-4 channel—(ET-8022).
MQ-1**	CRM	1942	5 w	A_3	2000–3500 kc	2000–3500 kc	Ship—CC-4 channel—(ET-8028).
MQ-2**	CRM	1943	5 w	A_3	2000–3500 kc	2000–3500 kc	General Service—CC-4 channel—6 volt d. c. or 110/1/60.
MR	CGS	1942	15 w	A_3	2000–3000 kc	2000–3000 kc	Ship—CC channel.
MR-1*	CGS				2000–4200 kc	2000–4200 kc	Similar to MR—(G-3-I).
MS*	COA	1942	3 w	A_3	60–80 mc	72.5 kc	Ship—Transceiver (20w input)—(TR-4).
MT*	CHL	1942	12 w	A_3	1500–2950 kc	1500–2950 kc	Lend-Lease—CC channel—(HT-11A).
MT-1*	CHL	1942	12 w	A_3	1500–2950 kc	1500–2950 kc	Do.
MT-2*	CHL	1944	12 w	A_3	1500–2950 kc	1500–2950 kc	Lend-Lease—CC channel—(MT-11B).
MU	CCI	1942	0.2 w	A_3	2300–2800 kc	2300–2800 kc	MU thru MX series equipments are similar to MP series—Used by Marine Corps.
MU-1	CCI [1]						Do.
MV	CCI	1942	0.2 w	A_3	2800–3300 kc	2800–3300 kc	Do.
MV-1	CCI [1]						Do.
MW	CCI	1942	0.2 w	A_3	3300–3900 kc	3300–3900 kc	Do.
MW-1	CCI [1]						Do.

MX	CCI	1942	0.2w	A_3	3900–4600 kc	3900–4600 kc	Do.
MX–1	CCI [1]						Do.
MY	CHW/CGG	1942	0.2w	A_2, A_3	3.5–6.5 mc (approx.)		Do.
MZ [2]							Marine Corps—Shore.
MZ–1	CVD	1943			1500–12,000 kc	1500–12,000 kc	Mobile—Marines & Shore—Same as MZ.
MZ–2	CVD	1944			1500–12,000 kc	1500–12,000 kc	Do.
MAA		1943	75w	A_1, A_2	1500–4500 kc	1500–4500 kc	Marine Corps—CC and CV—Reconnaissance Car, Signal Corps Model SCR–193 and Special Antenna Assembly.
			25w	A_3			
MAB	CCI	1943	0.2w	A_3	2300–4600 kc	2300–4600 kc	Paratroops—Marine Corps—Supersedes MP, MU, MV, MW Series equipments—CC–1 channel.
MAC	CFL	1943	2w	FM:15 kc	30–42 mc	30–42 mc	Ship—CC–1—Minesweeping—Tone.
MAD							*Not* Bureau of Ships designation—BuAer.
MAE	Bought from BuOrd.	1943	0.5w	A_3	300–310 mc	300–310 mc	Portable Transmitter and Receiver—Magnetic survey range use—Degaussing Aid.
MAE–1	CKV	1944	0.5w	A_3	300–310 mc	300–310 mc	Pack Set—Magnetic Survey range use.
MAF*	CRV	1943	0.2w	A_3	2200–2400 mc	2200–2400 mc	Mounted in Searchlight—Directional—(26807).
MAG	CRV	1943	0.2w	A_3	2200–2400 mc	2200–2400 mc	Marine Corps—Directional—Portable—(26808).
MAH	CW	1944	5–10w	A_3	140–144 mc	140–144 mc	Portable Vehicular Transmitting-receiving Equipments—Ship-shore—CC; transmitter, 1 channel; receiver, 2 channels—Both have 4 operating frequencies selected by crystal switching relay.
MAJ		1943					Portable I. F. Transmitter and Receiver Equipment—MarCorps.
MAK	CCI	1943	25w	A_2, A_3	2000–3000 kc	2000–3000 kc	Shore—Marine Corps—CC–4 channel—Same as Model MO Series except for frequency range.
MAL	Marcorps Depot.	1943	15w	A_1, A_3	1.5–12 mc		TCS.
			5–10w	A_3	140–144 mc		MAH—2 volt—Jeep type CVD 10182. Gas gen. trailer type RMM–10269.

[1] Equipment not purchased—Superseded by Model MAB.

[2] Reconnaissance car, TCS (any) and special antenna assembly.

COMBINED RADIO TRANSMITTING AND RECEIVING EQUIPMENTS—M SERIES

Model	Contractor	Year	Nominal power output	Type of emission	Frequency	Purpose—remarks
MAM	CDE	1944			AN/ARC–4 140–144 mc. RAX .2–9 mc. TCS 1.5–12 mc.	Shore-Air Stations—Modified units of YD–3 with W. E. 233A (AN/ARC–4) and TCS transmitter, RAX receivers—Beacon transmitter and cross pointer of YD–3 removed.
MAN	CGG	1944	15 w	FM	30.8–38.7 mc	Waterproof—Portable Transmitter and Receiver Amphibious forces.
MAO	Marcorps Depot	1944				Uses an SCR–510 Transmitter and Receiver and a CVD–10182 Jeep (¼-ton 4 x 4 Jeep)—Marcorps.
MAQ	Marines	1944		A_1, A_3		Uses an SCR–499; SCR–542; M3 carrier-personnel Half Track; and a PE–95 trailer.
MAR	CRV	1944	10 w	A_2, A_3	225–390 mc	Portable—CC.–10—Ship (Landing Craft), Marcorps.
MAS	CLU	1944	200 w		41–51 mc	Portable—vehicular—Radio Transmitter-receiver RCM gear.
MAW	CGG	1944	½ w	A_2, A_3	115–156 mc	Air ground liaison—portable—Marine Corps.—CC.—Production of CXFH.
MAX	CW	1944	10 w	A_3	100–156 mc	General purpose—Marines—CC—Portable—Uses an AN/ARC–1 Transmitter-receiver in submersible case with accessories for mounting in a jeep—Same as MAH except for xmtr and rec.
MAY	CRP	1944	2 w	A_2, A_3	225–390 mc	Pack set–4 channel–CC–First called DBG–Uses Model MAX in an RMM–10269 Trailer—Similar to Model MAL except for use of MAX in lieu of MAH.
MAZ	Marcorps	1944				
MBA	RM	1943	Various	A_1, A_2, A_3 plus radar	Communication: HF plus VHF.	Advance Base Combat Mobile Communications Equipment for tactical, administrative broadcast and recording circuits—General Purpose.
MBA–1	RM	1943	Various	A_1, A_2, A_3 plus radar	do	Do.
MBA–1	RM	1943	Various	A_1, A_2, A_3 plus radar	do	Do.
MBA–2	RM	1943	Various	A_1, A_2, A_3 plus radar	do	Do.
MBA–3	RM	1943	Various	A_1, A_2, A_3 plus radar	do	Do.
MBB	RM	1943	Various	A_1, A_2, A_3 plus radar	do	Do.
MBB–1	RM	1944	Various	A_1, A_2, A_3 plus radar	do	Do.
MBB–2	RM	1944	Various	A_1, A_2, A_3 plus radar	do	Do.
MBC	RM	1944	Various	A_1, A_2, A_3	do	Do.
MBD	RM	1944	Various	A_1, A_2, A_3		Do.

MBG	CS	1943	1 w	FM	S_d band	Radar Link.
MBK	CFT	1944	Various	A_1, A_2, A_3	2–20 mc	Advance Base Combat Mobile Communications Equipment for tactical, administrative broadcast, and recording circuits—General Purpose.
MBL	CAQR	1944	Various	Radio Link	VHF	Do.

RADAR FIRE CONTROL EQUIPMENTS—MARK SERIES

Designation	Manufacturer	Year	Frequency (mc)	Power: (1) Kva input; (2) Peak output (kw)	Purpose
Mark 1 (FA, FA–a)	CW	1941	L_L	(1) 2.5 (2) 40	Main Battery—For use in DD to BB—Obsolete.
Mark 2					No models built.
Mark 3 (FC)	CW	1941	L_L	(1) 2.4	Main Battery—For use with Gun Director Mks 34 and 38.
		1942		(2) 15–20	
Mark 3 Mod 1	CW	1943	L_L	(1) Mod 1 2.4	Main Battery—For use with Gun Director Mks 34 and 38.
Mod 2	CW	1944		Mod 2 2.6	
Mod 3	CW	1944		Mod 3 2.6 (2) 15–20	
Mark 4 (FD)	CW	1941	L_L	(1) Mk. 4 2.7	Secondary Battery—For use with Gun Director Mks 33 and 37.
		1942		Mk. 4 Mod 1 30	
		1943		(2) 15–20	
Mark 4 Mod 1		1944			
Mark 5 (CXAZ)	CG	1942	L_P	(1) 3.2; (2) 150	Experimental.
Mark 6 (CXBF)	CRV	1941	S_S	(1) 2.5; (2) 30	Do.
Mark 7 (CXBM)	CW	1942	S_S	(1) 9; (2) 125	Do.
Mark 7, Mod 1	CW	1943	X_L and X_S	(1) 3.0; (2) 50	Experimental—For use in BB, CA, CL, DD.
Mark 8 Mod 0	CW	1942	S_S	(1) Mod 0 3	Main Battery Gun Director—For use in BB, CA, CL—Mark 34 and Mark 38.—Mark 8 Mod 4 is a proposed system.
Mod 1		1943	S_S	Mod 1 2.2	
Mod 2		1943	S_S	Mod 2 2.6	
Mod 3		1944	X_L	Mod 3 2.6	
Mod 4		1944	X_L	(2) Mod 4—— Mod 1 15–20 Mod 2 20–30 Mod 3 25–35 Mod 4——	
Mark 9	CW	1942	S_S	(1) 1.5; (2) 30	MK 45 Director AA 1.1 and 40 mm machine guns—Obsolete.
Mark 10	CW	1942	S_S	(1) 1.5	MK 50 Director 3″/50 AA, 5″/38—Obsolete.
Mod 0 & Mod 1		1943		(2) 30	
Mark 10		1942	S_S	(1) 1.6	MK 50 Director 3″/50 AA, 5″/38—Obsolete—For use in large aux. where ship has 3″ & 5″ guns and cannot carry Mk 37 Director.
Mod 2–5 inclusive	CW	1943		(2) 20–30	
Mark 11 Mod 0	CRV	1943	S_S	(1) 0.7	MK 49 Director AA 1.1 and 40 mm machine guns.
Mod 1	CG			(2) 40–60	
Mark 12 Mod 0	CW	1943	$L_S + L_X$	(1) Mod 0 & 1 3.3	Secondary Battery—For use with Gun Director Mk 37.

Mod 1		1944		Mod 2 4.0	
Mod 2				(2) 90–110	
Mark 13 Mod 0	CW	1944	X_L	(1) 3.0 (less antenna motor); (2) 35–45.	Main Battery—Used with Gun Director Mks 34 & 38.
Mark 13 Mod 1	CW	1944	X_L	(1) 3.0 (less antenna motor); (2) 35–45.	Experimental.
Mark 14	CW	1943	S	(1) 2.5; (2) 50	None produced.
Mark 16	CW	1943	S	(1) 5.0; (2) 60	Surface search and fire control for mobile seacoast artillery—Used by Marine Defense Battalions, and Naval Bases.
Mark 18 Mod 0	CW	1943	S	(1) 1.5	Secondary Battery for use with Gun Director Mk 28.
Mark 18 Mod 1				(2) 20–30	Do.
Mark 19 Mod 0	CW	1943	S	(1) 1.7; (2) 50	Heavy Machine Gun Mark 49 Director—Obsolete.
Mark 19 Mod 1	CW	1944	X_L	(1) 1.7; (2) 30	For use with Heavy Machine Gun Mk. 49 Director—Obsolete.
Mark 20	CW	1944	L_L	(1) 3; (2) 125	Searchlight control—For use by amphibious forces.
Mark 20 Mod 1	CW	1944	L_L	(1) 3; (2) 125	Do.
Mark 21	CW	1944	X_L	(1) 1.5; (2) 30	For use with heavy Machine Gun Mk. 49 Director—None produced.
Mark 22 Mod 0	CW	1943	X_S	(1) 0.7	Low angle detection in conjunction with Radar Equip., Mks. 4 and 12—Secondary Battery for use with Gun Director Mk. 37.
Mod 1				(2) 25–35	
Mark 25	CW	1944	X+K		Gun Director Mk. 37—Tentative specifications only.
Mark 26 Mod 3	CRV	1944	S_S	(1) 1.1; (2) 40–60	Gun Director Mk. 52—For use in DE and auxiliary.
Mark 26 Mod 4	CG	1944	S_S	(1) 1.1; (2) 40–60	Gun Director Mk. 52—3″/50 or 5″/38.
Mark 27 Mod 0	CW	1944	S_S	(1) 1.55	Main Battery (Standby)—For use with Gun Director Mk. 40.
Mod 1				(2) 20–30	
Mark 28 Mod 0	CW	1944	S_S	(1) 1.75	Heavy Machine Gun Radar—Mods. 0 & 3 for use with Gun Director Mk. 33.
Mod 2				(2) 10–20	Mod. 2 for use with Gun Director Mk. 63.
Mark 29 Mod 1	BTL & MIT	1944	S_S	(1) 1.7; (2) 30–50	Experimental model, used with Gun Director Mk. 63.
Mark 29 Mod 2	Section T, OSRD	1944	X_S	(1) 1.7; (2) 60 (est)	Heavy Machine Gun Radar for use with Gun Director Mk. 57.
Mark 32 Mod 1	CAOS	1944			Identification equipment including Model BN, and Identification Indicator Mk. 1, operated in connection with Fire Control radar equipment.
Mark 33	CG	1944	X	(1) 10; (2) 40	Mobile Seacoast Artillery Fire Control—For use by Defense Battalion.

RADAR FIRE CONTROL EQUIPMENTS—MARK SERIES

Designation	Manufacturer	Year	Frequency (mc)	Power: (1) Kva input; (2) Peak output (kw)	Purpose
Mark 34 Mod 0	CW	1944	$X_L + X_S$	(1) 1.7; (2) 30	Cancelled.
Mark 34 Mod 1	CW	1944	X_L	(1) 1.7; (2) 30	Development only—For use with Gun Director Mk. 63.
Mark 34 Mod 2		1944	X_L	(1) 1.7; (2) 25–35	For use with Gun Director Mk. 63—Same as Mod. 1, except with rate aid for range.
Mark 34 Mod 3 & 4	CW	1944	X_L	(1) 1.7; (2) 25–35	For use with Gun Director Mk. 57.
Mark 35 Mod 0	RL, CG	1944	X	(1) 2; (2) 60	5″/38 AA—Experimental, combined with Gun Director Mk. 56 Automatic Tracking range, bearing and elevation.
Mark 36 Mod 0	CG	1944	X		For use with Gun Director Mk. 60.
Mark 37 Mod 0	CW	1944	X		Experimental.
Mark 38 Mod 0	CW	1944	X_L+X_S		Development only—For use with Gun Director Mk. 63.
Mark 38 Mod 1		1944	X_L+X_S		Production of Mk. 38 Mod 0.
Mark 39 Mod 0	CW	1944	X		For use with Gun Director Mk 57, Mk 61, and Mk. 62.

SONAR NAVIGATIONAL AIDS—N SERIES

Model	Contractor	Nominal frequency	Projector	Power	Depth fathoms	Purpose—remarks
NA						Obsolete.
NB						Do.
NC						Do.
ND						Do.
NE						Do.
NF						Do.
NG						Do.
NG–1						Do.
NG–2	CBM	19–29 kc	R/S	75 w	400	Submarines—Obsolete.
NH						Obsolete.
NJ	CBM	23.1 kc	M/S Laminated	Shock	100	Small Ship.
NJ–1	CBM	23 kc	M/S Laminated	Shock	200	Small Ship—Indicating and recording.
NJ–2	CBM	23 kc	M/S Laminated	Shock	200	Do.
NJ–3	CBM	21.6 kc	M/S Laminated	Shock	200	Do.
NJ–4	CBM	21.6 kc	M/S Laminated	Shock	200	Do.
NJ–5	CIP	25 kc	M/S Laminated	Shock	200	Do.
NJ–6	CIP	21.75 kc	M/S Laminated	Shock	200	Small Ship—Indicating only.
NJ–7	CBM	21.6 kc	M/S Laminated	Shock	200	Do.
NJ–8*	CIP	14.25 kc	M/S Laminated	Shock	200	Small Ship—Indicating only—(ES–108)
NJ–9	CBM	21.6 kc	M/S Laminated	Shock	200	Small Ship—Indicating and recording.
NK	CBM	23 kc	M/S Laminated	Shock	55–90–125–160	Portable—Outrigged—shallow depth (recording).
NK–1	CBM	23 kc	M/S Laminated	Shock	55–90–125–160	Do.
NK–2	CIP	14.25 kc	M/S Laminated	Shock	60–120–180 ft	Do.
NK–3	CBM	23 kc	M/S Laminated	Shock	55–90–125–160	Do.
NK–4	CIP	14.25 kc	M/S Laminated	Shock	35	Portable—Outrigged—Shallow depth (recording)—cancelled.
NK–5	CIP	26.1 kc	M/S Laminated	Shock	60–120–180 ft.	Portable—Outrigged—Shallow depth (no recording).
NK–6	Bludworth	14.25 kc	M/S Laminated	Shock	200	Portable—Outrigged — Shallow depth (recording).
NK–7	CBM	21.00 kc (approx).	M/S Laminated	Shock	200	Portable—Outrigged — Shallow depth (recording).
NM	CBM	18 kc	M/S	400 w	800	Large Ships and Submarines—Obsolete.
NM–1	CBM	18 kc	M/S	400 w	800	Do.
NM–2	CBM	18 kc	M/S Round	400 w	800	Do.
NM–3						Obsolete.
NM–4	CBM	18 kc	M/S Rectangular	400 w	400/800	Submarines—Obsolete.

SONAR NAVIGATIONAL AIDS—N SERIES

Model	Contractor	Nominal frequency	Projector	Power	Depth fathoms	Purpose—remarks
NM-4a	CBM	18 kc	M/S Rectangular	400 w	400/800	Ship—Obsolete.
NM-5	CBM	18 kc	M/S Round	400 w	200/2000	Do.
NM-5a	CBM	18 kc	M/S Rectangular	400 w	200/2000	Do.
NM-6	CBM	16 kc	M/S Round	400 w	200/2000	Do.
NM-6a	CBM	16 kc	M/S Round	400 w	200/2000	Do.
NM-7	CBM	16 kc	M/S Rectangular	400 w	200/2000	Do.
NM-8	CBM	18 kc	M/S Rectangular	400 w	200/2000	Do.
NM-9	CBM	18 kc	M/S Rectangular	400 w	200/2000	Do.
NM-9a	CBM	18 kc	M/S Rectangular	400 w	200/2000	Do.
NM-10	CBM	18 kc	M/S Rectangular	400 w	200/2000	Submarine—Obsolete.
NM-11	CBM	18 kc	M/S Rectaugular	400 w	200/2000	Ship—Obsolete.
NM-12	CBM	18 kc	M/S Rectangular	400 w	200/2000	Ship—Obsolete.
NM-13	CBM	18 kc	M/S Rectangular	400 w	200/2000	Submarine—obsolete.
NM-13a	CBM	18 kc	M/S Rectangular	400 w	200/2000	Ship—obsolete.
NM-14	CBM	24 kc	M/S Rectangular	400 w	400/800	Ship—Salvage QC Equipment—Obsolete.
NM-14a	CBM	24 kc	M/S Rectangular	400 w	400/800	Do.
NM-14b	CBM	18 kc	M/S Rectangular	400 w	400/800	Do.
NM-14c	CBM	18 kc	M/S Rectangular	400 w	400/800	Do.
NM-15	CBM	18 kc	M/S Rectangular	400 w	200/2000	Ship—Obsolete.
NM-16	CBM	18 kc	M/S Rectangular	400 w	200/2000	Do.
NAA	CWT	17–25 kc	R/S	5 w		Navigation—Sonar Beacon.
NAB	CWT	17–25 kc	R/S	5 w		Navigation—Sonar Beacon.
NAC	CJJ					Sonar Beacon—Special—Submarine.
NAD						Special—Submarine.
NMA	CBM	18 kc	M/S Rectangular	400 w	200/2000	Ship.
NMB	CBM	18 kc	M/S Rectangular	400 w	200/2000	Ship—Indicating and recording.
NMB-1	CRV	18 kc	M/S Rectangular	400 w	200/2000	Do.
NMB-2	CBM	18 kc	M/S Rectangular	400 w	200/2000	Do.
NMC	CRV	18 kc	M/S Round	200 w	100/2000	Ship—Indicating and recording (Two sea chests).
NMC-1	CBM	18 kc	M/S Round Permanent Magnet.	500 w	100/2000	Do.

MEASURING AND OPERATOR TRAINING EQUIPMENT—O SERIES

Model	Contractor	Year	Frequency range	Purpose—remarks
OA	CAG	1931	16–170 kc and 150–1500 kc.	Antenna Measuring Equipment—General Service—Obsolete.
OB	CRR	1935		Transmitter Analyzer—Obsolete.
OC	CW	1933	750–25,000 kc	Field Intensity Measuring Equipment—General Service—Obsolete.
OD	CV	1934		Vacuum Tube Analyzing Equipment—General Service—Modified to OD–a.
OD–a	CV	1938		Modified OD—Ship and Shore—Obsolete.
OD–b	CV	1942		Modified OD—Ship and Shore.
OD–1	CV	1935		Vacuum Tube Analyzing Equipment—General Service—Obsolete.
OD–2	CV	1937		Vacuum Tube Analyzing Equipment—Shore—Obsolete.
OD–3	CV	1939		Vacuum Tube Analyzing Equipment—General Service—Obsolete.
OD–4	CV	1940		Vacuum Tube Analyzing Equipment.
OD–5	CV	1942		Do.
OD–6	CV	1942		Do.
OD–7	CV	1944		Vacuum Tube Analyzing Equipment—Same as OD–5, OD–6—Tests all receiving type vacuum tubes.
OE	CV	1934		Receiver Analyzer—General Service—Obsolete.
OE–1	CV	1935		Do.
OE–2	CV	1936		Receiver Analyzer—Aircraft—Obsolete.
OE–3	CV	1937		Receiver Analyzer—General Service—Obsolete.
OE–4	CV	1939		Do.
OE–5	CV	1940		Receiver Analyzer.
OE–6	CV	1942		Do.
OE–7	CV	1942		Do.
OE–8	CV	1942		Do.
OE–9	CV	1943		Do.
OE–10	CV	1943		Do.
OE–11	CV	1944		Radio Receiver Analyzing Equipment—BuAero.—Same as OE–9, OE–10.
OE–12*	CV	1944		Radio Receiver Analyzing Equipment—Ships.—Same as OE–9, –10, –11 except for tube adapters and no test block—Individual socket type test adapters—(667–3).
*OF	CFC	1938	150–350 kc & 550–20,000 kc.	Interference Locating Equipment—Obsolete.
*OF–1	CFE	1942		Interference Locating Equipment.
OF–2	CLG	1943		Do.
OG	RA	1939	15–120 kc	Field Intensity Measuring Equipment.
OH*	CAG	1940	25–5000 kc	Radio Frequency Impedance Measuring Equipment.
OH–1*	CAG	1941	25–5000 kc	Do.
OJ*	CAG	1940	1000 cycles	Audio Frequency Impedance Measuring Equipment.
OJ–1*	CAG	1941	1000 cycles	Do.
OJ–2*	CAG	1942	1000 cycles	Audio Frequency Impedance Measuring Equipment—(Type 650–A "Beast").

MEASURING AND OPERATOR TRAINING EQUIPMENT—O SERIES

Model	Contractor	Year	Frequency range	Purpose—remarks
OJ–3	CAG	1944		AF Impedance Measuring Equipment—Has interval 1000 cycle "hummer" operated by dry cells may be used as d-c bridge.—Same as OJ–1, OJ–2.
OL	RA	1939	17–26 kc	Absolute Sound Measuring Equipment—Tourmaline.
OM	L. H. Terpening, Inc.		8–50 kc	Sound Analyzing Equipment.
OP	RA	1940	150–12,000 cycles	Sono Impulse Recording Equipment—Submarines.
OQ	CV	1941		Portable Vacuum Tube Testing Equipment—General Service.
OQ–1	CV	1942		Do.
OQ–2	CV	1942		Do.
OQ–3	CV	1942		Portable Vacuum Tube Testing Equipment—Ships.—Same as OQ–2—110 v a. c.—Tests all current receiving type tubes.
OR	RW	1941	10–5000 cycles	Sonar Analyzing Equipment.
OR–1	RW	1941	25–7500 cycles	Do.
OR–2	RW	1941	10–5000 cycles	Do.
OR–3	RW	1942	25–7500 cycles	Do.
OR–4	RW	1942	25–7500 cycles	Do.
OR–5	RW	1942	25–7500 cycles	Do.
OS	CG	1941		Recording Fluxmeter Equipment—Harbor Defense.
OS–1	CG	1941		Do.
OS–2	CG	1941		Do.
OS–3	CG	1942		Do.
OS–4	CG	1943		Recording Fluxmeter Equipment—Harbor Defense—Lend Lease.
OS–5	CG	1943		Recording Fluxmeter Equipment—Harbor Defense.
OT* OT–1	CRV	1942	100–225 mc	Concentric Line Standing Wave Measuring Equipment (MI–18700).
OV	CDE	1942		Radar Operator Training Equipment.
OW	NTS, San Diego.	1941	100–1000 cycles	Code Practice Equipment (435B2).
OW–1	RW	1942	100–1000 cycles	Code Practice Equipment.
OW–2	RW	1943	100–1000 cycles	Do.
OX	CDE	1942		Radar Operator Training Equipment—For Models FC, FD Radar MK–3, MK–4.
OY	CDE	1942		Radar Operator Training Equipment—For Model SC.
OZ**	CHK	1942		Portable Vacuum Tube Testing Equipment—(550–X).
OZ–1**	CHK	1942		Do.
OZ–2**	CHK	1942		Do.
OAA*	CRV	1942	150–240 mc	Wavemeter—(AS–5741–G).
OAA–2	CGI	1942	150–240 mc	Wavemeter.
OAB	CQA	1943	17–28 kc	Sonar—R/S Virtual Target.

OAC	CDE	1942		Radar Training Equipment—For Radar Models MK–3 (FC)/MK–4(FD)/SC—To operate with Model OAY.
OAD	CDE			Cancelled, reassigned (CXGX).
OAE*	CLB	1942		Radio Receiver Analyzing Equipment—(285B).
OAF	CRV	1942–44		Radar Test Equipment—For use with Model SD–3.
OAG	CGG	1942		Aircraft Radio Transmitter & Receiver Test Equipment—For use with Model AMA.
OAH*	COQ	1942	100–1000 cycles	Marine Corps—Code Practice Equipment—(SSD–1).
OAH–1*	COQ	1943	100–1000 cycles	Do.
OAH–2	CUZ	1944	500–1200 cycles	Marine Corps—Code Practice Equipment.
OAJ	CPR	1942		Aircraft Radar Phantom Target.
OAJ–1	CPR	1942	S band	Do.
OAK	CPR	1942	S band	Standing Wave Measuring Equipment—For general testing.
OAL*	CPF	1942		Portable Vacuum Tube Testing Equipment similar to Model OZ Series—(920–P).
OAM	CBM	1943	30–90° F, 0–450 ft	Bathythermograph.
OAN	CFT	1943		Test Oscillator Equipment—First used with DAH, DAH–1, DAK Equipments.
OAO	CRV	1943	100–125 mc	Wavemeter.
OAO–1	CRV	1943		Wavemeter—For use with Model SD–1.
OAO–2	CLQ	1943		Same as Model OAO plus Model OAF Antenna Assembly.
OAP	CHZ	1943		Radar Test Equipment (Wavemeter-Oscillator)—For use with Model BL Series—Operates on 115/1/50 to 70.
OAP–1	CHZ	1944		Similar to Model OAP except operates from 115/1/50 to 70 or 115/1/400.
OAQ	CGG			Production of Models XBG and CXCV—Aircraft—For use with Navy Model ARC–1—Cancelled, reassigned AN/APA–6.
OAS	CW	1943	17–26 kc	Practice Traget-Training Device—Rated 9 watts—R/S Projector. (Sonar.)
OAT	NDRC (UC-DWR).	1943	17–26 kc	Practice Target-Training Device.
OAU	CW	1943	17–34 kc	Practice Target-Training Device—Rated 9 watts—R/S Projector. (Sonar.)
OAV	CDL	1943		Radar Operator Training Equipment.
OAV–1	CDL	1944		Test Generator-RCM Training—For use with Models SA and SC Series—Similar to Model OAV except for use with Model SK–1M.
OAW*	CGZ	1942		Portable Tube Testing Equipment—For ASB Transmitter—(P–140).
OAX	CQJ			Sound Monitor-Testing Equipment.
OAX–1	CPK			Do.
OAY	RQ	1943	100–1500 cycles	Noise and Sound Measuring Equipment.
OAZ*	CG	1943	16–500 kc	Shore—Impedance Analyzing Equipment—(ML–7765019—G_3—G_1).
OAZ–1	CG	1943	16–500 kc	Shore—Impedance Analyzing Equipment—(ML–7765019–G_2).
OBB	CZH	1943	230 cycles	Harbor Defense—Cable Detecting Equipment.
OBC	CW	1943		Practice Attack Equipment-Training Apparatus—Submarines and Destroyers (Sonar).
OBD				Cancelled, reassigned Model LAE.
OBE*	CG	1943	40–200 kc	Test Oscillator Equipment—For use with Model TCG–3—Shore—(4MY67A1).
OBF				Cancelled, reassigned Model LAF.
OBG*	CAJR	1943	375–725 mc	General Service—Radio and Radar Frequency Measuring Equipment—Self-contained battery—(105 SA)—Model letters cancelled—Reassigned TS–127/U.
OBH	CHG	1943	15–200 kc	Video Analyzer—100 v a. c.—RCM Gear.
OBJ	CZE	1943		Radar Training Equipment—Used with any shipboard surface search radar.

Model	Contractor	Year	Frequency range	Purpose—remarks
OBK	RW			Radio Repair and Testing Equipment—RCM Gear—Consists of: (1) Model OZ (1) Model LO (1) RW–10281 Elect. Repair Kit; (1) 10222 Emergency Elect. Repair Kit; (1) Hickok RFO–5 Oscillograph; (1) Hickok Model 202 Tester; (1) 500-Volt Megger; (1) Tobe Condenser Analyzer; (1) General Radio Type 758–A Wave meter; (1) Tape Recorder; (1) Stop watch.
OBL	CHK	1944	10–100,000 cycle	General Service—Ships—3-inch oscilloscope—100 v 50/60 cycles—Linear sweep range 10 to 30,000 cycles per sec.
OBL–1**	CLU	1944		3-inch oscilloscope.—General Service—Ships—(Dumont type 245).
OBL–2	CALN	1944		3-inch oscilloscope—100 v a. c.—General Service—Ships.
OBL–3**	CTU	1944		3-inch oscilloscope.—General Service—Ships—(Triumph type 841)—110 v a. c.
OBL–4	CANQ	1944		3-inch oscilloscope.—General Service—Ships—110 v a. c.
OBM**	CHS	1943		Loran B–1 Timer Oscilloscope—Used with Type A, A–1, B, B–1 Transmitter Timers—Prototype of MIT Model T–114.
OBN	CDU		1700–2000 kc	Loran Transmitter Monitor Oscilloscope—110 v a. c. 50/60 cycles.
OBO	CAOR	1944		Recording Microvolt Meter—For UEP Harbor Detection System.
OBP	CW	1944		Test of ABA—Ship and Shore—Portable Test Equipment.—(G. E. D/S BRD–139 and BRD–140A).
OBQ	CALM	1944	At least to 10 mc. on all a. c. ranges.	V. T. Volt-Ohm-Milliammeter—Ship and Shore—115/1/50–60 cycles—Has resistance ranges up to 1,000 Megohms.
OBQ–1	CHK	1944	At least to 10 mc. on all a. c. ranges.	V. T. Volt-Ohm-Milliammeter—115V/1/50–60 cycles—Has resistance ranges up to 1000 Megohms.
OBQ–2	CANQ	1944		V. T. Volt-Ohm-Milliammeter—115/1/50–60 cycles—Has resistance range up to 1000 Megohms.
OBR*	CDU	1944	2–100,000 cycle amplifier	5-inch Oscillograph—(Dumont type 208) 115/1/50–60 cycles—Schools, Marine Corps.
OBS	CAPF	1944	Sweep range 5–250 mc	Oscilloscope—(Servoscope).
OBT**	CDU	1944	Vertical: 25 cycles–1.7 mc. Horizontal: 12 cycles–80 kc.	3-inch Oscilloscope—Sweep 15 cycles to 30 kc.—(Modified Dumont 224 Dumont BC–1060–A). 115/1/50–63 cycles.
OBU–1	CUO	1944	S_s band	Radar Test Equipment—Uses an RE 13A 857B Type 1 Waveguide—Directional coupler, otherwise same as OBU–2.
OBU–2	CUO	1944	S_s band	Same as OBU–1 except uses Type 2 Waveguide Directional Coupler.
OBU–3	CABV	1944	S_s band	Similar to OBU–2 (Type 2 coupler).
OBU–4	CABV	1944–5	S_s band	Similar to OBU–1 (Type 1 coupler).
OBV	CALG	1944		Test Monitor Equipment—For use with CXFD—RCM Gear.
OBW				Cancelled Reassigned AN/UPT–T3.
OBX		1944		Direction Finder Testing Equipment—For use with DAQ, DAK.
OBY		1944	14–30 kc	Sonar Monitoring Equipment.

OBZ*_____	CV_____	1944	_____	(Weston type 778) (772 plus 777) General Service—Multimeter plus tube checker—110 v. a. c.—Similar to Model OZ Series.
OCA_____	CDU_____	1944	_____	Loran Transmitter Monitor Equipment—Shore—Used with Model TDP Loran Transmitter.
OCB_____	CML_____	1944	_____	Audio Monitoring Equipment—For use with Radar Beacons.
OCC_____	CG_____	1944	100–1250 mc_____	Shore—Panoramic Radio Spectrum Analyzing Equipment—RCM Gear.
●CD_____	CGZ_____	1944	6–9.5 kc_____	Video Signal Generator.
OCE_____	_____	1944	_____	Antenna Impedance Measuring Equipment—Loran Antennas.
OCF_____	CAOR_____	1944	_____	Recording Microvoltmeter Equipment.
OCG_____	CDU_____	1944	_____	Marcorps—Shore—Cathode Ray Oscillagraph Equipment.
OCH_____	CQJ_____	1944	10–35 kc_____	Sonar Monitoring Equipment—Similar to Model OBY except greater range and for use on fixed dome.
OCK_____	CABE_____	1944	25–2500 kc_____	Impedance Measuring Equipment—RF Bridge.
OCL*_____	CV_____	1944	_____	Portable Vacuum Tube Testing Equipment—Similar to OZ, OBZ—(Weston Model 798).
OCM_____	_____	1944	_____	Advance Base—Mobile Electronic Repair Truck—Consists of a 2½ Ton ST–6 Truck containing 2 Airfoam lined electronic equipment cupboards which hold 33 assorted pieces of electronic test equipment such as meters, signal generators, wavemeters, oscilloscopes, etc—Also includes one Model TCS–12 and one LM–15, plus 2 benches with small repair tools.
OCN_____	CTB_____	1944	_____	Bathythermograph Equipment—Non-Electronic—Submarines—Range 0–600 feet—28° F–92° F.

AUTOMATIC TRANSMITTING AND RECEIVING EQUIPMENT—P SERIES

Model	Contractor	Year	Purpose—remarks
PA	CG	1930	Automatic Recorder—Obsolete.
PB	CAY	1930	Facsimile Equipment—5'' x 6'' picture maximum—Obsolete.
PC	CRV	1933	Facsimile Equipment—Continuous recording on roll of paper—Obsolete.
PD	CCS	1942	Voice Recording Equipment—Shore.
PD–a	CCS	1942	Voice Recording Equipment—Advance Base.
PD–1	CCS	1942	Do.
PE	CMV	1942	Voice Recording Equipment—Shore.
PE–1	CMV	1942	Do.
PF*	CW	1942	Voice Privacy Equipment—(TDS).
PG	CMV	1942	Variable Speed Recording Equipment—Shore.
PH	CCS	1942	Portable Sound Reproducing Equipment—Shore.
PJ	CCS	1942	Portable Sound Recording Equipment—Shore (Transcriber reproducer).
PL	CW	1944	Radio Receiving Equipment—Shore—Consists of 3 Model RAE's plus sound spectrograph equipments—(D–168749).
PM	CW	1944	Teletypewriter Repeater Equipment—UHF Communication Links— Used with Model UN Carrier Control System— Used to operate on a 2 polarity 60 ma load basis, either half duplex or full duplex under key control and with no option for conversion to 20 ma operation.
PN	CAQR	1944	Mobile Coding Van for Message Center and Coding plus teletype facilities—Same as Mobile Coding Van of Model MBC except does not have safe, provisions for ECM and has 4 telegraph typewriters instead of 3—Advance Bases.

ECHO RANGING EQUIPMENT—Q SERIES

Model	Contractor	Nominal frequency	Projector	Power (watts)	Hoist	Train	Purpose—remarks
QA							Obsolete.
QBA	CBM	14–32 kc	Spherical	20	Hydraulic	Hand	Submarines.
QBA–1	CBM	14–32 kc	R/S spherical	20	do	do	Do.
QBB	CBM	14–32 kc	R/S	20	do	do	Submarines—Has depth finding transfer for separate projector—*Cachelot* and *Cuttlefish*.
QBC	RA	10–50 kc	do	300	None	Electric	Harbor Defense Units (Herald).
QBC–1	CWT	10–50 kc	do	350	do	do	Do.
QBD	CWT	10–50 kc	do	350	do	do	Do.
QBE	CBM	18–25 kc	R/S Banjo	35	Hand	Hand	Small boats—Converted JK–9.
QBE–1	CBM	18–25 kc	do	35	do	do	Small boats.
QBE–1a	CBM	18–25 kc	do	35	do	Electric	QBE–1 modified to include electric train mechanism and relative bearing.
QBE–2	CBM	18–25 kc	do	75	None	Hand	Submarine—Lend-Lease.
QBE–3	CBM	18–25 kc	do	75	Hand	do	Small boats—Lend-Lease.
QBE–3a	CBM	18–25 kc	do	75	do	Electric	QBE–3 modified to include electric train mechanism and relative bearing.
QBE–3b	CBM	18–25 kc	do	75	do	do	QBE–3a modified to include true bearing indication of projector assembly—Ships.
QBE–4	CBM	18–25 kc	do	75	Electric	do	Same as QBE–3 except uses Navy Standard parts—Cancelled.
QBE–5	CBM	18–25 kc	do	75	None	Hand	Submarines—Mounted topside—Lend-Lease.
QBF*	CW	22.5–25.5 kc	Resonated R/S Rect BDI.	130	Electric	Electric	Ships—Retractable dome—(D–162722).
QBG	CFF	22–26 kc	R/S resonated	5	Varied	Varied	Landing craft.
QBG–1	CFF	22–26 kc	do	5	do	do	Landing Craft—Same as QBG except driver—Receiver modified for variable tuning.
QBH	CWT and CRV	17–27 kc	R/S	200	None	Electric	Harbor Defense Unit (Herald).
QC							Rebuilt, reassigned QCF—Obsolete.
QC–1							Rebuilt, reassigned QCA and QCA–1—Obsolete.

Model	Contractor	Nominal frequency	Projector	Power (watts)	Hoist	Train	Purpose—remarks
QC–1a							Rebuilt, reassigned QCE–2—Obsolete.
QC–2							Rebuilt, reassigned QCB, QCB–1, –2, –3—Obsolete.
QC–3							Obsolete.
QC–4							Rebuilt, reassigned QCC, QCC–1, QCD, QCD–1—Obsolete.
QC–5							Rebuilt, reassigned QCE—Obsolete.
QC–5a							Rebuilt, reassigned QCE–3—Obsolete.
QC–5b							Rebuilt, reassigned QCE–1—Obsolete.
QC–6	CBM	24 kc	M/S Spherical	400	Electric	Electric	Large A/S Ships—Obsolete.
QC–6a	CBM	18 kc	do	400	do	do	Large A/S Ships—Obsolete.
QC–7							Modified to QCH–3—Obsolete.
QCA	CBM	24 kc	M/S Spherical	400	Electric	Electric	Large A/S Ships—Obsolete.
QCA–a	CBM	24 kc	do	400	do	do	QCA modified for MTB—Obsolete.
QCA–1	CBM	24 kc	do	400	do	do	Large A/S Ships—Obsolete.
QCA–1a	CBM	24 kc	do	400	do	do	QCA–1 modified for MTB—Obsolete.
QCB	CBM	24 kc	do	400	do	do	Large A/S Ships—Obsolete.
QCB–a	CBM	24 kc	do	400	do	do	QCB modified for MTB—Obsolete.
QCB–1	CBM	24 kc	do	400	do	do	Large A/S Ships—Obsolete—(ex-QC–2).
QCB–1a	CBM	24 kc	do	400	do	do	QCB–1 modified for MTB—Obsolete.
QCB–2	CBM	24 kc	do	400	do	do	Large A/S Ships—Obsolete (ex-QC–2).
QCB–3	CBM	24 kc	M/S Spherical	400	do	do	Do.
QCC	CBM	ER 24 kc L 14–32 kc	M/S R/S Spherical Combination	400	Hydraulic	Hand	Submarine (see QCM)—Obsolete.
QCC–1	CBM	do	do	400	do	do	Do.
QCD	CBM	do	do	400	do	do	Do.
QCD–1	CBM	do	do	400	do	do	Do.

QCE	CBM	24 kc	M/S Spherical	400	do	Hydraulic	Large A/S Ships—Obsolete.
QCE-1	CBM	18 kc	do	400	do	do	Do.
QCE-2	CBM	24 kc	do	400	do	do	Do.
QCE-3	CBM	24 kc	do	400	do	do	Do.
QCF	CBM	24 kc	do	400	Electric	Electric	Do.
QCF-a	CBM	24 kc	do	400	do	do	QCF modified for MTB—Obsolete.
QCG							Modified to QCM.
QCH							Modified to QCM-3.
QCH-1							Modified to QCM-4.
QCH-2	CBM	ER 24 kc L 14-32 kc	M/S R/S Spherical	400	Hydraulic	do	Submarines—Combination Projectors.
QCH-3	CBM	do	do	400	do	do	Do.
QCH-4	CBM	do	do	400	do	do	Do.
QCJ	CBM	24 kc	M/S Spherical	400	Electric	do	Large A/S Ships—Obsolete.
QCJ-a	CBM	24 kc	do	400	do	do	QCJ modified for MTB—Obsolete.
QCJ-1	CBM	24 kc	do	400	do	do	Large A/S Ships—Obsolete.
QCJ-1a	CBM	24 kc	do	400	do	do	QCJ-1 modified for MTB—Obsolete.
QCJ-2	CRV	24 kc	do	400	do	do	Large A/S Ships—Obsolete.
QCJ-3	CBM	24 kc	do	400	do	do	Do.
QCJ-3a	CBM	24 kc	do	400	do	do	QCJ-3 modified for MTB—Obsolete.
QCJ-4	CBM	24 kc	do	400	do	do	Large A/S Ships—Obsolete.
QCJ-4a	CBM	24 kc	do	400	do	do	QCJ-4 modified for MTB—Obsolete.
QCJ-5	CBM	24 kc	do	400	do	do	Large A/S Ships.
QCJ-5a	CBM	24 kc	do	400	do	do	QCJ-5 modified for MTB for 1 speed or 36 speed.
QCJ-6	CBM	24 kc	do	400	do	do	Large A/S Ships.
QCJ-6a	CBM	24 kc	do	400	do	do	QCJ-6 modified for MTB for 1 speed or 36 speed.
QCJ-8	CRV	24 kc	do	400	do	do	Large A/S Ships.
QCJ-8a	CRV	24 kc	M/S Spherical	400	do	do	QCJ-8 modified for MTB for 1 speed or 36 speed.
QCJ-9	CBM	24 kc	do	600	do	do	Large A/S Ships.
QCJ-9a	CBM	24 kc	do	600	do	do	QCJ-9 modified for MTB.
QCK	CBM	18 kc	do	400	do	do	Large A/S Ships—Obsolete.
QCK-a	CBM	18 kc	do	400	do	do	QCK modified for MTB—Obsolete.
QCK-1	CBM	18 kc	do	400	do	do	Large A/S Ships—Obsolete.
QCK-1a	CBM	18 kc	do	400	do	do	QCK-1 modified for MTB—Obsolete.
QCL	CRV	20 kc	do	400	do	do	Large A/S Ships—Obsolete.

Model	Contractor	Nominal frequency	Projector	Power (watts)	Hoist	Train	Purpose--remarks
QCL-1	CBM	20 kc	M/S Spherical	400	Electric	Electric	Large A/S Ship—Obsolete.
QCL-1a	CBM	20 kc	do	400	do	do	QCL modified for MTB—Obsolete.
QCL-2	CBM	20 kc	do	400	do	do	Large A/S Ships—Obsolete.
QCL-2a	CBM	20 kc	do	400	do	do	QCL-2 modified for MTB—Obsolete.
QCL-3	CBM	20 kc	do	400	do	do	Large A/S Ships—Obsolete.
QCL-3a	CBM	20 kc	do	400	do	do	QCL-3 modified for MTB—Obsolete.
QCL-4	CBM	20 kc	M/S LR spherical	400	do	do	Large A/S Ships.
QCL-4a	CBM	20 kc	do	400	do	do	QCL-4 modified for MTB for 1 speed or 36 speed.
QCL-5	CBM	20 kc	do	400	do	do	Large A/S Ships.
QCL-5a	CBM	20 kc	do	400	do	do	QCL-5 modified for MTB for 1 speed or 36 speed.
QCL-7	CRV	20 kc	M/S Spherical	400	do	do	Large A/S Ships.
QCL-7a	CRV	20 kc	do	400	do	do	QCL-7 modified for MTB for 1 speed or 36 speed.
QCL-8	CBM	20 kc	M/S LR spherical	600	do	do	Large A/S Ships.
QCL-8a	CBM	20 kc	do	600	do	do	QCL-8 modified for MTB for 1 speed or 36 speed.
QCM	CBM	ER 24 kc L 14-32 kc	M/S R/S Spherical	400	Hydraulic	do	Submarines—Combination projectors.
QCM-1	CBM	ER 24 kc L 14-32 kc	M/S R/S LR spherical	400	do	do	Do.
QCM-2	CBM	ER 24 kc L 14-32 kc	do	400	do	do	Do.
QCM-3,4	CBM	ER 24 kc L 14-32 kc	M/S R/S Spherical	400	do	do	Submarines—Combination projectors—Formerly QCH and QCH-1
QCN	CBM	ER 24 kc L14-32 k	do	400	Electric	do	A/S Ships—Submarines—Combination projectors.
QCN-1	CBM	ER 24 kc L 14-32 kc	M/S R/S	400	do	do	A/S Ships—Combination projectors—Obsolete.

			LR spherical				
QCN-1a	CBM	ER 24 kc L 14–32 kc	do	400	do	do	QCN-1 modified for MTB—Obsolete.
QCN-2	CBM	ER 24 kc L 14–32 kc	do	400	do	do	A/S Ships—Combination projectors.
QCN-2a	CBM	ER 24 kc L 14–32 kc	do	400	do	do	QCN-2 modified for MTB for 1 speed or 36 speed.
QCN-3	CBM	ER 24 kc L 14–32 kc	do	400	do	do	A/S Ships—Combination projectors.
QCN-3a	CBM	ER 24 kc L 14–32 kc	M/S R/S LR spherical	400	do	do	QCN-3 modified for MTB for 1 speed or 36 speed gyro.
QCN-4	CBM	ER 24 kc L 14–32 kc	M/S; BDI R/S LR spherical	400	do	do	A/S Ships—Combination projectors.
QCN-4a	CBM	ER 24 kc L 14–32 kc	do	400	do	do	QCN-4 modified for MTB for 1 speed or 36 speed gyro.
QCO	CBM	ER 20 kc L 14–32 kc	M/S R/S Spherical	400	do	do	A/S Ships—Combination projector—Obsolete.
QCO-a	CBM	ER 20 kc L 14–32 kc	do	400	do	do	QCO modified for MTB—Obsolete.
QCO-1	CBM	ER 20 kc L 14–32 kc	M/S R/S LR spherical	400	do	do	A/S Ships—Combination projector.
QCO-1a	CBM	ER 20 kc L 14–32 kc	do	400	do	do	QCO-1 modified for 1 speed or 36 speed gyro.
QCO-2	CBM	ER 20 kc L 14–32 kc	do	400	do	do	A/S Ships—Combination projector.
QCO-2a	CBM	ER 20 kc L 14–32 kc	do	400	do	do	QCO-2 modified for 1 speed or 36 speed gyro.
QCO-3	CBM	ER 20 kc L 14–32 kc	M/S; BDI; R/S Spherical	600	do	do	A/S Ships—Combination projector.
QCO-3a	CBM	ER 20 kc L 14–32 kc	do	600	do	do	QCO-3 modified for 1 speed or 36 speed gyro.
QCP	CRV	21, 23, 25, 27 kc	M/S	400	No hoist	do	Harbor Defense Unit (Herald).
QCP-1	CBM	21, 23, 25, 27 kc	do	400	do	do	Do.
QCQ	CBM	24 kc	M/S LR Banjo	400	Electric	do	Large A/S Ships—Retractable Dome.
QCQ-a	CBM	24 kc	do	400	do	do	QCQ modified for 1 speed or 36 speed gyro.
QCQ-1	CBM	24 kc	M/S; BDI LR Banjo	600	do	do	Large A/S Ships — Retractable Dome.

Model	Contractor	Nominal frequency	Projector	Power (watts)	Hoist	Train	Purpose—remarks
QCQ–1a	CBM	24 kc	M/S; BDI LR Banjo	400	Electric	Electric	QCQ–1 modified for 1 speed or 36 speed gyro.
QCQ–2	CRV	26 kc	M/S; BDI Banjo	400	do	do	Large A/S Ships—Retractable Dome—Dome manufactured by CBM.
QCQ–3	CBM	24 kc	M/S LR Banjo	400	do	do	Large A/S Ships — Retractable Dome.
QCQ–3a	CBM	24 kc	do	400	do	do	QCQ–3 modified for 1 speed or 36 speed gyro.
QCR	CBM	20 kc	M/S Banjo	400	do	do	Large A/S Vessels—Retractable Dome.
QCR–a	CBM	20 kc	do	400	do	do	QCR modified for 1 speed or 36 speed gyro.
QCR–1	CBM	20 kc	M/S; BDI Banjo	600	do	do	Large A/S Vessels—Retractable Dome.
QCR–1a	CBM	20 kc	do	600	do	do	QCR–1 modified for 1 speed or 36 speed gyro.
QCR–2	CBM	20 kc	M/S Banjo	400	do	do	Large A/S Vessels—Retractable Dome.
QCR–2a	CBM	20 kc	do	400	do	do	QCR–2 modified for 1 speed or 36 speed gyro.
QCS	CBM	ER 24 kc L 14–32 kc	M/S; BDI R/S Banjo	600	do	do	Large A/S Vessels—Retractable Dome.
QCS–a	CBM	ER 24 kc L 14–32 kc	do	600	do	do	QCS modified for 1 speed or 36 speed gyro.
QCS–1	CBM	ER 24 kc L 14–32 kc	do	600	do	do	Large A/S Vessels—Retractable Dome.
QCS–1a	CBM	ER 24 kc L 14–32 kc	do	600	do	do	QCS–1 modified for 1 speed or 36 speed gyro.
QCT	CBM	ER 20 kc; L14–32 kc	M/S; BDI R/S Banjo	600	do	do	Large A/S Vessels—Retractable Dome.
QCT–a	CBM	ER 20 kc; L 14–32 kc	do	600	do	do	QCT modified for 1 speed or 36 speed gyro.
QCT–1	CBM	ER 20 kc; L 41–32 kc	do	600	do	do	Large A/S Vessels—Retractable Dome.
QCT–1a	CBM	ER 20 kc; L 14–32 kc	do	600	do	do	QCT–1 modified for 1 speed or 36 speed gyro.
QCU	CRV	25 kc	M/S; BDI Permanent Magnet.	200	Manual	do	A/S Vessels—"Fish" Dome.

QCW	CRV	21 kc	M/S	400	None	do	Harbor Defense Units (Herald).
QCX	CRV	23 kc	do	400	do	do	Do.
QCY	CRV	25 kc	do	400	do	do	Do.
QCZ	CRV	27 kc	do	400	do	do	Do.
		Stack					
QF	RM	SUBSIG					Attack Teacher—Range Keeper Type—Obsolete.
QFA	CAN	RCA–QC					Attack Teacher—Used with RCA Model QC Stack—Has old style Doppler unit—For surface only.
QFA–b	CAN	RCA–QC					QFA modified to give improved characteristics with regard to Doppler effect, target aspect provision, target tactical delays—Same as QFA except for optical projector.
QFA-c	CAN	RCA–QC					QFA–6 modified by addition of attack aids and change in optical projector.
QFA–1	CAN	SUBSIG–QC					Attack Teacher—Optical Projector Type—Used with Sub Sig Co. Model QC gear—Old style Doppler unit—For surface ships only.
QFA–2	CAN	CAN—Sound Control Unit.					Attack Teacher—Optical Projector Type—Same as QFA, QFA–1 except has Sangamo stack, plus UV Recorder.
QFA–2a	CAN	CAN—Sound Control Unit.					QFA–2 modified for addition of attack aid—Same as QFA–2 except for optical projector and additional units.
QFA–3	CAN	CAN—Sound Control Unit.					Attack Teacher—Optical Projector Type.
QFA–4	CAN	Sound Control Unit					Attack Teacher—Same as QFA–3 with Submarine control station omitted.
QFA–5	CAN						Attack Teacher—Console stack with BDI—Uses Model WCA type Submarine Station.
QFA–6	CAN						Attack Teacher—Same as QFA–5 except submarine attack will be of Model WFA series.
QFB	CBM	SUBSIG					Attack Teacher—Moving Carriage Type with Plotting table.
QFB–1	CBM	SUBSIG					Do.

ECHO RANGING EQUIPMENT—Q SERIES

Model	Contractor	Nominal frequency	Projector	Power (watts)	Hoist	Train	Purpose—remarks
QFC	CG	G. E.					Attack Teacher—Mobile Models—Obsolete.
QFD	CRV	Mock					Advanced Bearing Teacher—Electro-Mechanical.
QFE	Bell Sound System.	Mock					Primary Bearing Teacher—Electro-Mechanical.
QFF	Bell Sound System.	Mock					Primary Listening Teacher—Electro-Mechanical.
QFG	CJ						Attack Teacher—Shipboard use.
QFH	CAN						Conning Teacher—Portable.
QFH–1	CAN						Conning Teacher—Portable.
QFJ	United						Herald Teacher.
QFK	CADV						Shipboard Sound Operator Trainer.
QFL	RQ						Tactical Range Recorder Teacher.
QGA	CBM	14 and 30 kc, Simultaneously.	M/S; BDI	400	Electric	Electric	Large A/S Ships Dual Equipment—Console—Concentric shafts.
QGB	CRV	20, 22, 24, or 26 kc	M/S; BDI	400	do	do	Large A/S Ships—Console—(Echo Ranging) Retractable Dome—Hoist Train Mechanism supplied by Sub Sig Co.
QGB–a	CRV	20, 22, 24, or 26 kc	M/S; BDI	400	do	do	QGB modified for Maintenance of Deep Contract ("MDC").
QGC	CBM	24 kc	M/S; BDI	400	do	do	Large A/S Ships—Console—(Echo-Ranging).
QGD	CBM	20 kc	M/S; BDI	400	do	do	Do.
QGE							Cancelled, reassigned QGB.
QGF							Do.
QGG							Do.
QJA	CW	22.5–25.5 kc	Resonated; R/S Rect.; BDI.	130	Electric	Electric	Medium A/S—Retractable Dome—Some of these are Modified QBF Equipments.
QJB	CW	22 to 25 mc	Resonated; R/S Rect.; BDI.	130	do	do	Large A/S—Retractable Dome.

RADIO RECEIVING EQUIPMENT—R SERIES

Model	Contractor	Year	Frequency range	Purpose—remarks
RA	RW	1920	16–1200 kc	Obsolete.
RB	RW	1922	10–50 kc	Do.
RB–1	RW	1923	10–50 kc	Do.
RB–2	RW	1923	10–100 kc	Do.
RC	RW	1922		Do.
RD	RW	1921	12–1200 kc	Do.
RE	CN	1925/28	10–100 kc	General Service—Obsolete.
RE–a	RW	1939	10–100 kc	Ship—Obsolete.
RF	CN	1925/28	75–1000 kc	General Service—Obsolete.
RF–a	RW	1939	75–1000 kc	Ship—Obsolete.
RG	CN	1926	1000–20000 kc	General Service—Obsolete.
RG–1	CN	1928	1000–20000 kc	Do.
RG–2	RW	1930	1000–20000 kc	General Service.
RG–3	RW	1933	1000–20000 kc	Do.
RH	CAY	1927	200–650 kc	Aircraft—Obsolete.
	CN	1927	200–650 kc	Do.
	CBK	1928	200–650 kc	Do.
RI	CR	1919	40–1200 kc	General Service—Obsolete.
	CS	1919	40–1200 kc	Do.
	CRR	1919	40–1200 kc	Do.
RJ	RW	1927	200–600 kc	Aircraft—Obsolete.
RK	CN	1918–21	12–375 kc	Obsolete.
RL		1918	428–1000 kc	Do.
RM				Do.
RN	CS	1921	200–500 kc	Do.
RO	CG	1929	15–1000 kc, 300–620 kc, and 1000–22000 kc	Ship—General Service—Obsolete.
RO–1	RA	1931	15–25000 kc	Submarine—Obsolete.
RO–2	CAY	1930	15–1000 kc and 300–22000 kc	Ship—General Service—Obsolete.
RO–2a	CAY/RW	1935	15–1000 kc and 300–22000 kc	Do.
RO–3	CAY	1932	15–1000 kc and 300–22000 kc	Do.
RQ	CAY	1929	15–1000 kc and 1000–22000 kc	Ship (With TAP Transmitter)—Obsolete.
RS	CG	1928	3750–25000 kc	Shore—Obsolete.
RS–1	CG	1929	3750–25000 kc	Do.
RT	RW	1929–30	1000–30000 kc	General Service—Obsolete.
RU	CBY	1930	250–1800 kc	Aircraft—Obsolete.
RU–1	CBY	1931	250–14000 kc	Do.
RU–2	CBY	1932	224–12500 kc and 5400–8100 kc	Do.
RU–2a	CBY	1937	Single Range Coils: 200–400 kc	Aircraft Beacon Receiver—Obsolete.

Model	Contractor	Year	Frequency range	Purpose—remarks
RU–3	CBY	1934	Single Range Coils: 224–350 kc, 350–545 kc, 545–850 kc, 850–1330 kc, 1330–2040 kc, 2040–3000 kc, 3000–4525 kc, 4000–6000 kc, 5400–8100 kc, 8100–12500 kc, and 9050–13575 kc. Dual Range Coils: 400–600 kc/3000–4500 kc and 400–600 kc/5200–7700 kc.	Aircraft—Obsolete.
RU–3a	CBY	1934	Single Range Coils: 5400–8100 kc. Dual Range Coils: 400–600 kc/3000–4500 kc.	Do.
RU–4	CBY	1935	Single Range Coils: 545–850 kc, 850–1330 kc, 1330–2040 kc, 2040–3000 kc, 3000–4525 kc, 4000–6000 kc, 5200–7700 kc, 6000–9050 kc, and 9050–13575 kc. Dual Range Coils: 224–350 kc/350–545 kc.	Do.
RU–4a	CBY	1935	Single Range Coils: 850–1330 kc, 1330–2040 kc, 2040–3000 kc, 4000–6000 kc, 6000–9050 kc, and 9050–13575 kc. Dual Range Coils: 224–350 kc/350–545 kc, 540–830 kc/3000–4525 kc, and 540–830 kc/5200–7700 kc.	Do.
RU–5*	CBY	1936	Single Range Coils: 400–600 kc, 850–1330 kc, 1330–2040 kc, 2040–3000 kc, 3000–4525 kc, 4000–6000 kc, 5200–7700 kc, 6000–9050 kc, and 9000–13575 kc. Dual Range Coils: 195–290 kc/290–435 kc.	Aircraft—(21R).
RU–5a	CBY	1936	Dual Range Coils: 195–290 kc/290–435 kc, 400–600 kc/6000–9050 kc, 540–830 kc/3000–4525 kc, and 540–830 kc/5200–2700 kc.	Aircraft.
RU–6	CBY	1937	Single Range Coils: 400–600 kc, 545–850 kc, 850–1330 kc, 1330–2040 kc, 2040–3000 kc, 3000–4525 kc, 4000–6000 kc, 5200–7700 kc, 6000–9050 kc, and 9000–13575 kc. Dual Range Coils: 195–290 kc/290–435 kc.	Do.
RU–7	CBY	1938	Single Range Coils: 850–1330 kc, 1330–2040 kc, 2040–3000 kc, 4000–6000 kc, and 9050–13575 kc. Dual Range Coils: 195–290 kc/290–435 kc, 540–830 kc/3000–4525 kc, 540–830 kc/5200–7700 kc, and 400–600 kc/6000–9050 kc.	Aircraft (GF–5).
RU–8	CBY	1938	Single Range Coils: 200–400 kc and 1000–2000 kc. Dual Range Coils: 200–380 kc/2000–3700 kc, 200–380 kc/3100–5600 kc, 530–1000 kc/2000–3700 kc.	Aircraft Naval Reserve (GF–6).
RU–9	CBY	1938	Single Range Coils: 200–400 kc and 1000–2000 kc. Dual Range Coils: 200–380 kc/2000–3700 kc, 200–380	Aircraft Naval Reserve (GF–7).

			kc/3100–5600 kc, 200–380 kc/5500–9050 kc, and 530–1000 kc/2000–3700 kc.	
RU–10	CBY	1938	Single Range Coils: 400–600 kc, 545–850 kc, 850–1330 kc, 1330–2040 kc, 2040–3000 kc, 3000–4525 kc, 4000–4525 kc, 4000–6000 kc, 5200–7700 kc, 6000–9050 kc, and 9000–13575 kc. Dual Range Coils: 195–290 kc/290–435 kc.	Aircraft.
RU–11	CBY	1939	Single Range Coils: 400–600 kc, 545–850 kc, 850–1330 kc, 1330–2040 kc, 2040–3000 kc, 3000–4525 kc, 4000–6000 kc, 5200–7700 kc, 6000–9050 kc, and 9000–13575. Dual Range Coils: 195–290 kc/290–435 kc.	Do.
RU–12	CBY	1939	Single Range Coils: 400–600 kc, 545–850 kc, 850–1330 kc, 1330–2040 kc, 2040–3000 kc, 3000–4525 kc, 4000–6000 kc, 5200–7700 kc, 6000–9050 kc, and 9000–13575 kc. Dual Range Coils: 195–290 kc/290–435 kc.	Do.
RU–13	CBY	1939	Single Range Coils: 850–1330 kc, 1330–2040 kc, 2040–3000 kc, 4000–6000 kc, and 9050–13575 kc. Dual Range Coils: 195–290 kc/290–435 kc, 540–830 kc/3000–4525 kc, 540–830 kc/5200–7700 kc, 400–600 kc/6000–9050 kc.	Aircraft (GF–8).
RU–14	CBY	1939	Single Range Coils: 850–1330 kc, 1330–2040 kc, 2040–3000 kc, 4000–6000 kc, and 9050–13575 kc. Dual Range Coils: 195–290 kc/290–435 kc, 540–830 kc/3000–4525 kc, 540–830 kc/5200–7700 kc, 400–600 kc/6000–9050 kc.	Aircraft (GF–9).
RU–15	CBY	1939	Single Range Coils: 1000–2000 kc Dual Range Coils: 200–394 kc/3100–5600 kc, 200–394 kc/5500–9050 kc, and 530–1000 kc/2000–3700 kc.	Aircraft Naval Reserve (GF–10).
RU–16	CW	1941	Single Range Coils: 850–1330 kc, 1330–2040 kc, 4000–6000 kc, and 9050–13575 kc. Dual Range Coils: 195–290 kc/290–435 kc, 400–600 kc/6000–9050 kc, 540–830 kc/2040–3000 kc, 540–830 kc/3000–4525 kc, and 540–830 kc/5200–7700 kc.	Marines—Ships (GF–11).
RU–17	CW	1941	Single Range Coils: 850–1330 kc, 1330–2040 kc, 4000–6000 kc, and 9050–13575 kc. Dual Range Coils: 195–290 kc/290–435 kc, 400–600 kc/6000–9050 kc, 540–830 kc/2040–3000 kc, 540–830 kc/3000–4525 kc, and 540–830 kc/5200–7700 kc.	Aircraft (GF–12).
RU–18	CW	1941	Single Range Coils: 850–1330 kc, 1330–2040 kc, 4000–6000 kc, and 9050–13575 kc. Dual Range Coils: 195–290 kc/290–435 kc, 400–600 kc/6000–9050 kc, 540–830 kc/2040–3000 kc, 540–830 kc/3000–4525 kc, and 540–830 kc/5200–7700 kc.	Aircraft.

Model	Contractor	Year	Frequency range	Purpose—remarks
RU–19	CW	1941	Single Range Coils: 850–1330 kc, 1330–2040 kc, 4000–6000 kc, and 9050–13575 kc. Dual Range Coils: 195–290 kc/293–435 kc, 400–600 kc/6000–9050 kc, 540–830 kc/2040–3000 kc, 540–830 kc/3000–4525 kc and 540–830 kc/5200–7700 kc. NOTE.—RU–2a, thru RU–19, equipments are capable of operation over a frequency range of 195–13575 kc with proper plug-in coil sets, provided such sets are available.	Aircraft.
RW	CG	1929	3750–2000 kc	Obsolete.
RAA	CRV	1931	10–1000 kc	General Service—Obsolete.
RAA–1	CRV	1934	10–1000 kc	Do.
RAA–2	CRV	1934	10–1000 kc	Do.
RAA–3	CRV	1935	10–1000 kc	Do.
RAA–4	CRV	1937	10–1000 kc	Do.
RAB	CRV	1931	1000–30000 kc	Do.
RAB–1	CRV	1934	1000–30000 kc	Do.
RAB–2	CRV	1934	1000–30000 kc	Do.
RAB–2a	CRV	1934	1000–30000 kc	Do.
RAB–3	CRV	1935	1000–30000 kc	Do.
RAB–4	CRV	1937	1000–30000 kc	Do.
RAB–5	CRV		1000–30000 kc	Do.
RAC	RA	1931	12–80 kc	Shore—Obsolete.
RAC–1	RW	1940	12–80 kc	Shore.
RAD*	CNA	1931	550–30000 kc	Naval Reserve—Obsolete—(SW–5).
RAD–1	CNA	1931	550–30000 kc	Naval Reserve—Obsolete.
RAD–2	CNA	1932	550–33310 kc	Do.
RAD–2a	CNA	1932	550–33310 kc	Do.
RAD–3	CNA	1933	40–75 mc	Ship—Naval Reserve—Obsolete.
RAE	CRV	1932	1000–30000 kc	Shore—Obsolete.
RAE–1	CRV	1934	1000–30000 kc	Do.
RAE–2	CRV	1938	1000–30000 kc	Do.
RAF	CG	1932	3750–25000 kc	Do.
RAG	CHS	1933	15–600 kc	General Service—Obsolete.
RAG–1	CHS	1933	15–600 kc	Do.
RAH	CHS	1933	300–23000 kc	Do.
RAH–1	CHS	1933	300–23000 kc	Do.
RAJ	CBY	1934	224–13575 kc	Aircraft—Similar to RU–3a—Obsolete.
RAK	CRV	1935	15–600 kc	General Service—Obsolete.

RAK–1	CRV	1935	15–600 kc	Do.
RAK–2	CRV	1936	15–600 kc	Do.
RAK–3	CRV	1937	15–600 kc	Do.
RAK–4	CRV	1938	15–600 kc	Do.
RAK–5	CRV	1939	15–600 kc	Do.
RAK–6	CRV	1941	15–600 kc	General Service.
RAK–7	CRV	1943	15–600 kc	Do.
RAK–8	CMX	1943	15–600 kc	Do.
RAL	CRV	1935	300–23000 kc	General Service—Obsolete.
RAL–1	CRV	1935	300–23000 kc	Do.
RAL–2	CRV	1936	300–23000 kc	Do.
RAL–3	CRV	1937	300–23000 kc	Do.
RAL–4	CRV	1938	300–23000 kc	Do.
RAL–5	CRV	1939	300–23000 kc	Do.
RAL–6	CRV	1941	300–23000 kc	General Service.
RAL–7	CRV	1943	300–23000 kc	Do.
RAL–8	CMX	1943	300–23000 kc	Do.
RAM	CW	1935	200–13575 kc	Aircraft (GN Transmitter)—Obsolete.
RAN*	CRV	1937	60–66 mc	Shore—CC–2 channel—Obsolete.
RAN–1*	CRV	1940	30–42 mc and 70–76 mc	Shore—CC–2 channel.
RAO*	CNA	1938	540–30000 kc	Shore—(NC–100A)—Obsolete.
RAO–1**	CNA	1938	540–30000 kc	Shore—Obsolete.
RAO–2**	CNA	1942	540–30000 kc	Shore-Ship—Marine Corps.
RAO–3**	CWQ	1943	540–3000 kc	Do.
RAO–4**	CWQ	1943	540–30000 kc	General Service.
RAO–5	CWQ		540–30000 mc	Advanced Bases—Speaker output level.
RAO–6	CNA	1943	540–30000 mc	Ship—Same as last RAO–2 except has a panoramic adapter plug.
RAO–7	CNA	1943	540–30000 mc	Ship—Pull out panel, single unit (no mounting base), split (two-piece) chassis.
RAO–8	CNA	1943	540–30000 mc	Ship—Pull out, single chassis, single unit (no mounting base)—Navy components.
RAO–9	CNA	1944	450–30000 mc	Ship—RCM—Same as RAO–7 except modified for use near transmitters.
RAP	CRR	1938	150–1500 kc and 1800–15000 kc	Aircraft (GR Transmitter)—Obsolete.
RAQ	CRV	1939	60–200 mc	Ship—Used with TBT—Obsolete.
RAR*	CG	1939	132–156 mc	Ship—Used with TCD—Obsolete.
RAS*	CNA	1939	190–30000 kc	Shore (Special HRO Junior)—Obsolete.
RAS–1*	CNA	1939	190–30000 kc	Ship-Shore—(Special HRO Junior)—Obsolete.
RAS–2*	CNA	1940	190–30000 kc	Ship-Shore—(Special HRO Junior).
RAS–3*	CNA	1941	190–30000 kc	Do.
RAS–4*	CNA	1942	190–30000 kc	Shore-Marines—(Special HRO Junior).
RAS–5*	CNA	1942	190–30000 kc	Shore (special HRO Junior).
RAT	CBY	1939	13500–27000 kc	Aircraft—Obsolete.
RAT–1	CBY	1939	13500–27000 kc	Aircraft.

Model	Contractor	Year	Frequency range	Purpose—remarks
RAU*	CJF	1939	56–85 mc	Radio Sonde Receiving and Recording Equipment for Weather Recording—Used with Model TDC Series—Marine Corps.
RAU–1	CJF	1941	56–85 mc	Do.
RAU–2	CJF	1941	56–85 mc	Do.
RAV	CBY	1940	200–27000 kc	Aircraft.
RAW*	CNA	1939	175–400 kc and 500–30000 kc	(Special HRO)—Obsolete.
RAX	CG	1940	200–27000 kc	Aircraft.
RAX–1	CG	1940	200–27000 kc	Do.
RAX–2				Cancelled—reassigned RAX–1.
RAY*	CDF	1939	23–28 mc	Aircraft—Used with GS—CC–1 channel—Obsolete.—(PR–3–N).
RAZ*	CRM	1940	15–600 kc	General Service.
RAZ–1*	CRM	1941	15–600 kc	Do.
RBA	CFT	1940	15–600 kc	Do.
RBA–1	CFT	1941	15–600 kc	Do.
RBA–2	CFT	1941	15–600 kc	Do.
RBA–3	CFT	1942	15–600 kc	Do.
RBA–4	CFT	1943	15–600 kc	Do.
RBB	CRV	1940	500–4000 kc	Do.
RBB–a	CRV	1942	500–4000 kc	General Service—Modified to accommodate Panoramic Adapter.
RBB–1	CRV	1941	500–4000 kc	General Service.
RBB–1a				Cancelled, reassigned RBB–a.
RBB–2	CRV	1942	500–4000 kc	General Service.
RBC	CRV	1940	4000–27000 kc	Do.
RBC–a	CRV	1942	4000–27000 kc	General Service—Modified to accommodate Panoramic Adapter.
RBC–1	CRV	1941	4000–27000 kc	General Service.
RBC–1a				Cancelled, reassigned RBC–a.
RBC–2	CRV	1942	4000–27000 kc	General Service.
RBD	CG	1941	1500–12000 kc	General Service—CC–4 channel—CV—Used with TCX. NOTE.—RBD formerly used to identify an aircraft receiver which is now identified by ARA.
RBE*	RW/CNA	1939–40	540–30000 kc	Diversity equipment—Obsolete—Shore.
RBF*	CHL	1941	60–100 mc	Frequency Modulation—Used with JM series equipment—Obsolete.
RBF–1*	CIA	1941	70–90 mc	Do.
RBF–2*	CWQ	1941	70–90 mc	Do.

RBF–3	CWQ	1943	70–90 mc	Do.
RBG**	CHC	1941	540–30000 kc	Shore—60 cycle—(HQ120X).
RBG–1**	CHC	1941	540–30000 kc	Shore—25 cycle.
RBG–2**	CHC	1942	540–30000 kc	Ship—Shore.
RBH**	CNA	1941	300–1200 kc and 1700–16000 kc	Ship—1560 kc i. f.—(NC–100).
RBH–1**	CNA	1942	300–1200 kc and 1700–16000 kc	Ship—1560 kc i. f.—Wide band.
RBH–2	CNA	1943	300–1200 kc and 1700–16000 kc	Do.
RBH–3	CNA		300–1200 kc and 1700–16000 kc	Ship:
RBH–4	CNA		300–1200 kc and 1700–16000 kc	Do.
RBJ*	CNA	1941	50–400 kc and 480–30000 kc	Lend Lease—(Similar to HRO).
RBJ–1*	CNA	1941	50–400 kc and 480–30000 kc	Do.
RBJ–2*	CNA	1941	50–400 kc and 480–30000 kc	Do.
RBJ–3*	CNA	1942	50–500 kc and 480–30000 kc	Do.
RBJ–4*	CNA	1942	50–400 kc and 480–30000 kc	Do.
RBJ–5*	CNA	1942	50–400 kc and 480–30000 kc	Do.
RBK*	CHL	1941	27.8–143 mc	FM & AM—(S27D).
RBK–1	CHL	1942	27.8–143 mc	FM & AM—Has Receptacle for Model RBW.
RBK–2*	CHL	1942	27.8–143 mc	FM & AM—Used with JM series equipment—(S–27).
RBK–3*	CHL	1942	27.8–143 mc	FM & AM—(Lend-Lease)—(S–27 DU).
RBK–4*	CHL	1942	27.8–143 mc	Do.
RBK–5*	CHL	1942	27.8–143 mc	Do.
RBK–6*	CHL	1942	27.8–143 mc	FM & AM—(Lend-Lease)—(S–27 DU)—Has receptacle for RBW.
RBK–7*	CHL	1943	27.8–143 mc	FM & AM—(Lend-Lease)—(S–27 DU).
RBK–8*	CHL	1943	27.8–143 mc	Do.
RBK–9*	CHL	1943	27.8–143 mc	FM & AM—General Service—(S–36)—Has receptacle for RBW.
RBK–10*	CHL	1943	27.8–143 mc	FM & AM—General Service—(S–27).
RBK–11**	CHL	1944	27.8–143 mc	FM & AM—General Service—(S–36).
RBK–12**	CHL	1944	27.8–143 mc	FM & AM—General Service—(1X1334).
RBK–13	CHL	1944	27.8–143 mc	FM & AM—General Service.
RBK–14	CHL	1944	27.8–143 mc	RCM gear—Same as RBK–12 except for additions of blanking adaptor.
RBL**	CNA	1941	15–600 kc	General Service—(NC–625).
RBL–1**	CNA	1942	15–600 kc	General Service.
RBL–2**	CNA	1942	15–600 kc	Ship.
RBL–3	CWQ	1943	15–600 kc	Ship-Shore—Marines.
RBL–4	CWQ	1943	15–600 kc	
RBL–5	CNA	1943	15–600 kc	Ship—Same as RBL–2.
RBL–6	CNA	1943	15–600 kc	Ship—Pull out panel—single unit shock mounted (no mounting base).
RBM	CCT; CAY	1939	200–2000 kc and 2000–20000 kc	A part of MM equipment—Mfd. by CCT—Obsolete.
RBM–1	CCT; CAY	1940	200–2000 kc and 2000–20000 kc	A part of MM–1 equipment—Mfd. by CCT—Obsolete.
RBM–2	CCT; CAY	1941	200–2000 kc and 2000–20000 kc	A part of MM–2 equipment—Mfd. by CCT—Obsolete.
RBM–3	CCT; CAY	1942	200–2000 kc and 2000–20000 kc	A part of MM–3 equipment—Mfd. by CCT—Obsolete.

Model	Contractor	Year	Frequency range	Purpose—remarks
RBM–4	CCT; CAY	1942	200–2000 kc and 2000–20000 kc	A part of MM–4 equipment—Mfd. by CCT—Obsolete.
RBM–5	CAY	1943	200–2000 kc and 2000–20000 kc	Portable—Similar to RBM–4—Part of MM–5.
RBN*	CNA	1940	540–30000 kc	Shore—"NERK" five NC–200 plus Mixer Calibrator Units.
RBO*	CZC	1942	530–1600 kc and 5.50–15.6 mc	Ship Entertainment—(LR–12).
RBO–1	CZC		530–1600 kc and 5.50–15.6 mc	Ship Entertainment—(LR–12–1).
RBO–2	CZC	1943	530–1600 kc and 5.50–15.6 kc	Ship Entertainment.
RBP*	CRV		3000–24000 kc	Shore—Two Triple-Diversity Receiving Equipment—See Model RCP.
RBP–1*	CRV	1943	3000–24000 kc	Shore—Two Triple-Diversity Receiving Equipment—See Model RCP.
RBQ**	CW	1942	136–156 mc	Shore—UHF Remote control Circuits—Used with 42A1 (Model UN) Control Carrier System and Model TDG.
RBQ–1**	CW	1943	124–146 mc	Shore—UHF Remote Control Circuits—Used with 42A1 (Model UN) Control Carrier System and Mode TDG–1.
RBR*	CFE	1942	2000–9000 kc	Marine Corps—Paratroops—CC Channel (SR–19a).
RBR–1				Cancelled.
RBS	CCT	1943	2–20 mc	Ship—Modified RBM.
RBS–1	CCT	1944	2–20 mc	Ship—Bridge—Similar to RBM. H. F. unit.
RBS–2	CCT	1944	2–20 mc	Ship—Same as RBS–1 except for table mounting of receiver and rectifier.
RBT*	CNA	1942	30–300 mc	Marine Corps—(NC–110).
RBT–1*	CNA	1942	30–300 mc	Do.
RBT–2*	CNA	1943	30–300 mc	Do.
RBU*	CPN	1942	Input 400 kc	Panoramic Adapter ±25 kc sweep—Used with RBB–a—See RCL—(SN–RBB).
RBU–1	CPN	1943	Input 400 kc	Panoramic Adapter ±25 kc sweep—Used with RBB Series.
RBV*	CPN	1942	Input 400 kc	Panoramic Adapter ±50 kc sweep—Used with RBC–2—See RCM—(SN–RBC).
RBV–1	CPN	1943	Input 400 kc	Panoramic Adapter ±50 kc sweep—Used with RBC Series.
RBW*	CPN	1942	Input 5.25 mc	Panoramic Adapter ±500 kc sweep—Used with RBK Series—(SN 27–T–1000).
RBW–1*				Procurement cancelled.
RBW–2	CPN	1943	Input 5.25 mc	Panoramic Adapter ±500 kc sweep—Used with RBK Series.
RBX*	CHL	1942	130–210 mc	Lend-Lease—(S27CA).

RBY**	CPN	1942	Input .55–43 mc	Marines—Radio Receiver with Panoramic Adapter of ±100 kc Sweep—(PSX–28–T–200).
RBY–1**	CPN	1943	0.55–43 mc	Radio Receiver with Panoramic Adapter of ±100 kc Sweep.
RBZ**	CEX	1942	2000–5800 kc	Pocket receiver—Marine Corps—(SCR 295).
RCB*	CHL	1942	550–29500 kc	Marine Corps—(S–29).
RCB–1	CHL	1944	550–29500 kc	Marine Corps—(S–29).
RCC**	CPN	1943	Input 450–475 kc	Panoramic Adapter ±100 kc—(PAA–3).
RCD**	CPN	1942	4000–16000 kc	Panoramic Receiver ±500 kc Sweep—(EP–4).
RCE*	CNA	1942	2000–30000 kc	Lend-Lease—Extra coils may be provided to extend frequency range to cover 50–400 kc and 480–2000 kc—(HRO).
RCE–1*	CNA	1943	2000–30000 kc	Do.
RCE–2*	CNA	1943	2000–30000 kc	Do.
RCF*	CHL	1942	550–43000 kc	Shore—(SX–28 "SKYER")—Includes speaker—400 with Vibrapack, 50 without.
RCF–1*	CHL	1943	0.55–43 mc	Lend Lease—(SX–28 "SKYER")—Does not include speaker—Without Vibrapacks.
RCG*	CRM	1943	540–30000 kc	Advance Bases—(AR–8505).
RCG–1*	See Remarks	1943	540–30000 kc	Shore—Includes small speaker—(NC–44/AR–8505)—Purchased from Maritime Commission.
RCH*	CZC	1943	80 kc–560 kc and 1.9 mc–24 mc	Merchant Men—Ships—(SLR–F).
RCJ*	CPN		Input 77.5	Panoramic Radio Receiving Equipment—Same as CXCT—(MP–3).
RCK	CZC	1943	115–156 mc	General Service—CC–4 Channel.
RCL	CRV	1943	500–4000 kc	Consists of one Model RBB Radio Receiving Equipment and one Model RBU Panoramic Adapter.
RCM	CRV	1943	4000–27000 kc	Consists of one Model RBC Radio Receiving Equipment and one Model RBV Panoramic Adapter.
RCN			200–400 mc	Similar to RCK except for preselector, IF frequency and band width—CV–10 channel—For use with TDR.
RCO	CCI	1943	100–156 mc	Shore—CC–1 channel.
RCP*	CRV	1943	3–24 mc	Single Triple-Diversity Equipment—Shore—See Model RBP.
RCQ	CAY	1943	200–2000 kc	Amphibious—Watertight Carrying Case.
RCR	CAY	1943	2000–20000 kc	Do.
RCT*	CMX	1943	535–18 mc	Advance Bases—Receiver and Single Record Player.
RCU*	CMX	1943	535–18 mc	Advance Bases—Receiver and Ten Record Player with Ten Record Automatic Changer.
RCU–1	CMX	1943	535–18 mc	Staff entertainment.
RCV	CUO	1943		RCM Gear—Wide Band Radar Intercept receiver—Operates from 11 to 120 v and 75 to 85 v, 1 phase, 60 to 2600 cycles.
RCW	CUO	1943		RCM Gear—Radar Intercept Receiver—Operates from 110 to 120 v and 75 to 85 v, 1 phase, 60 to 2600 cycles.

Model	Contractor	Year	Frequency range	Purpose—remarks
RCX	CPN	1943	Input 450–475 kc	Panoramic Adapter with ±100 kc sweep—Electrically similar to Model RCC but mechanically similar to RBW.
RCX–1	CPN	1944		Panoramic Adapter with ±100 kc sweep—Same as RCX except adapter is desensitized.
RCY	CUO	1943		Directional Antenna Receiving Equipment—RCM gear—Operates from 110 to 120 v, 1 phase, 60 to 2600 cycles.
RCZ	CUZ	1943	80–105 mc	Marine Corps—Measurement of wind velocity—To Operate with Model ATM Series.
RDA	CUO	1943		Radio Receiving Equipment—RCM gear.
RDC	CHG	1943	27.8–143 mc	Model RBK–1 modified for panoramic reception by adding motor drive for continuously rotating condenser.
RDC–1	CHL	1944	27.8–143 mc	
RDD				Cancelled, reassigned RCK.
RDE*	CCI	1943	2–8 mc	Shore—CC Fixed tuned—(82–F).
RDG	CNA	1943	1.7–29 mc	Ship—RCM gear—National Model HRO modified for motor driven scanning.
RDH	CHL	1943	125–330 mc	Ship—RCM gear.
RDJ	CAFQ	1943		Ship—RCM gear—Similar to AN/SPA–1 Pulse Analyzer.
RDL	CALG	1944	350–600 mc	Ship—Radar Receiving Equipment—RCM gear.
RDL–1	CALG	1944	350–600 mc	Do.
RDO	CGG, CZC		40–3300 mc	Ship—Radio Receiving Equipment—RCM gear—Production of Model XCO.
RDS	CNA	1944	200 to 400 mc	Ship-Shore—Communications—No scanning—Used in DBL—Similar to RCN except in RDZ cabinet and provided with cathode follower for connection to panoramic adapter—CV Local—Also has video amplifier for connection to type E indicator for DF.
RDV	CARM	1944	2–4.5 mc	Shore—Fixed tuned, channel "A", with panoramic display and beat oscillator for NAS wide band tower and remote control shore use.
DRW	CARM	1944	4.5–9.0 mc	Shore—See RDV—non-CC-Channel "B."
RDX	CNA	1944	200–400 mc	Ship-Shore—Communications—CC–10—Used in DBJ—Same as RDZ except designed for complete remote control—Production of CXHS.
RDY	CNA	1944	200–400 mc	Ship-Shore—Communications and CM—Motor Driven Scanning Entire Frequency Range—CV Local Control—Used in DBK—Production of CXHK.

RDZ	CNA	1944	200–400 mc	General Purpose—CC–10 Local or Remote—Remote control of channel selection only and same as TDZ system—For use with TDZ—Similar to Model RCN.
REA*	CW	1944	4–22 mc	Shore—Twin channel, Single Sideband—(D–99945).
REB	CPN	1944		Ship—RCM—Panoramic Adapter—Input 30 mc—Sweep width ±3 mc—For use with AN/SPR–1—Same as Model RDK except for greater sweep width.
REB–1				Cancelled, reassigned REC.
REC	CPN	1944		Ship—RCM—Panoramic Adapter—Input 30 mc—Sweep width ±3 mc—For use with AN/SPR–2 and AN/APR–5AX—Not interchangeable with Model REB–1.
RED			200–400 mc	For use with TED—Fixed-tuned CC–1—Rack mounted, remote controlled—Performance otherwise same as RDZ.

SHIPBOARD RADAR EQUIPMENT—S SERIES

Model	Contractor	Year	Frequency (mc.)	Power: (1) Kva input; (2) Peak output (kw)	Presentation	Purpose—remarks
SA	CRV	1942	175–225	(1) 2.5; (2) 140	A; PPI; R PPI	General Detection—Used in DE and larger.
SA–2		1944				
SA–1	CRV	1942–44	175–225	(1) 2.0; (2) 140	A	General Detection—Used in small aux.
SB	CRV	1942	399	(1) 1.5; (2) 20	A	Air transportable early warning aircraft detection—Used at Naval bases.
SC	CG	1941–42	175–185	(1) 2; (2) 100	A	General Detection—Used in DD and larger—Obsolete.
SC–a	CG	1942	175–185	(1) 2; (2) 200	A; PPI; Adaptor	General Detection—Used in DD and larger.
SC–2	CG	1942–43	175–185	(1) 3; (2) 200	A; PPI; Adaptor	Do.
SC–3	CG	1943–44	195–205	(1) 3; (2) 200	A; PPI; Adaptor	Do.
SC–4			215–225			
SD–1	CRV	1942	114	(1) 1.2; (2) 100	A	Aircraft Warning for submarines—Obsolete.
SD–a	CRV	1941–44	114	(1) 1.2; (2) 100	A	Aircraft Warning for submarines—SD–2 obsolete.
SD–2						
SD–4.						
SD–3	CRV	1942–43	114	(1) 1.5; (2) 100	A	General Detection—Used in YP.
SD–5	CRV	1944	114	(1) 1.5; (2) 130	A	Aircraft Warning for submarines.
SF	CBM	1942–43	S band	(1) 1.7; (2) 80	A; PPI	Surface detection—used in PC, SC, and small aux.
SF–1	CBM	1943–44	S band	(1) 1.7; (2) 80	A; PPI; R PPI; 3 max.	Do.
SG	CRP	1942	S band	(1) 3; (2) 50	A; PPI; R PPI	Surface detection—used in DD and larger.
SG–1	CRP	1943–44	S band	(1) 3; (2) 50	A; PPI; R PPI	Do.
SG–a						
SG–2S	CRP	1943–44	S band	(1) 3; (2) 50	A; PPI	Harbor surveillance—used on shore.
SG–3	CRP	1944	S_w band	(1) Unstable 5; Stable 5; (2) approx. 3.	A; PPI; R PPI	Surface detection—used in DD and larger.
SJ–a	CW	1943–44	S band	(1) 1.5; (2) 50	A; PPI; R PPI	Surface detection and Torpedo Control for subs.
SJ–1	CW	1943–44	S band	(1) 1.6; (2) 50	A; PPI; R PPI	Do.
SK	CG	1943–44	195±2.5	(1) 3; (2) 200	A; PPI; R PPI	Long Range Aircraft Warning used in BB, CV, CA, and CL.
SK–1M	CG	1944	200	(1) 15; (2) 1 mw		Air search—used by amphibious forces.
SK–2	CG	1944–45	215–220	(1) 3; (2) 200	A; PPI; R PPI	Long Range Aircraft Warning—used in BB, CV, CA, and CL.
SK–3						

SL	CW	1943–44	S band	(1) 1.5; (2) 100	PPI	Surface detection—Used in DD—PC misc.
SL–a	CW	1943–44	S band	(1) 2; (2) 100	PPI; R PPI	Surface detection—Used in DD—PC, misc.
SL–1	CW	1944	S band	(1) 2; (2) 100	PPI; R PPI	Do.
SM SM–1	CG	1943–44	S band	(1) 32 SM; 25 SM–1; (2) 1000.	A; R; PPI; R PPI	Fighter Aircraft Direction and Surface Search for Carriers.
SM–1a						Same as SM–1 except has lightweight antenna.
SN	CG	1942–43	S band	(1) 3; (2) 1.0	A	Surface Detection—Used in Battle Damage and Landing Barges.
SO SO–a	CRP	1943–44	S band	(1) 3; (2) 65	PPI	Surface and Aircraft detection—Used in PT, LCC.
SO–1	CRP	1943–44	S band	(1) 3; (2) 65	PPI	Surface detection—Used in PYC, LST, CG, and aux.
SO–2	CRP	1943–44	S band	(1) 3; (2) 65	PPI	Surface detection—Used in YP and Coast Guard.
SO–3	CRP	1944	X band	(1) 3; (2) 20	PPI	Surface detection—Used in PT, LCC.
SO–4	CRP	1944	X band	(1) 3; (2) 30	PPI	Surface detection—Used in PYC, LST, CG, and aux.
SO–5	CRP	1944	X_b band	(1) 2; (2) 120–150	PPI; R PPI	Surface detection and Torpedo Control —Used in PT, LCC.
SO–6	CRP	1944	X_b band	(1) 2; (2) 120–150	PPI; R PPI	Surface and aircraft detection—Used in PYC, LST, CG, and aux.
SO–7M/N	CRP	1943–44	S band	(1) 4; (2) 65	PPI	Mobile search equipment for use against surface vessels and low-flying aircraft —Used by Marine Defense Battalions and Amphibious Forces.
SO–8	CRP	1943–44	S band	(1) 3; (2) 65	PPI	Surface detection—Used in PYC, YMS, YNG, YNT, YP, and LCT.
SO–9	CRP	1944	S band	(1) 3; (2) 65	PPI	Surface detection—Used in BYMS, PYC, YNT, and YP.
SO–12M/N	CRP	1943–44	X band	(1) 4; (2) 30	PPI	Mobile search equipment for use against surface vessels and low-flying aircraft —Used by Marine Defense Battalions and amphibious forces.
SO–13	CRP	1944	S band	(1) 3; (2) 65	PPI	Surface detection—Used in PT, LCC.
SP	CG	1944	S band	(1) 15; (2) 700	A; R; PPI; R PPI	Fighter Aircraft Direction and General Surface Search.
SP–1M	CG	1944	S band	(1) 15; (2) 500–700	A; R; PPI	Fighter Direction and Search—Used by Naval and Marine Air Base Groups.
SQ	CG	1943–44		(1) 0.6; (2) 1.0	A; B; PPI	Surface detection—Used in Battle Damage and Landing Barges.

SHIPBOARD RADAR EQUIPMENT—S SERIES

Model	Contractor	Year	Frequency (In mc.)	Power: (1) Kva input; (2) Peak output (kw)	Presentation	Purpose—remarks
SR	CAY	1944-45	175–225	(1) 8 est; (2) 500	A; Monitor A; PPI; R PPI.	General detection—Used in DD and larger.
SR–1	CAY	1945	400–425	(1) 6; (2) 600	A; Monitor A; PPI; R PPI.	Do.
SR–2	CVR	1945	VHF	(1) Net >10; (2) 300	A; Monitor A; PPI	General detection—Used in DE and larger.
SR–3	CAY	1945	VHF	(1) 5		
SR–4		1945	VHF	(1) 5 est; (2) 300 est	Provision for 12 R PPI's.	
SS	CW	1944-45	X_L band	(1) 5; (2) 85–150	A; B; PPI; R PPI;	Surface search—Used in SS.
ST	CW	1944	X band	(1) 1; (2) 80	A	Range only—Used in SS.
SU SU–1	CBM	1944	X band	(1) 1.8; (2) 15.0	A; PPI; 3R PPI	Surface detection—Used in DE, AM, PC.
SV	CW	1945	S_w band	(1) 6; (2) 400–500	A; PPI; R PPI	Aircraft warning—Used in SS.
SV–1	CW	1945	S_w band	(1) 6; (2) 500	A; B; PPI; R PPI	Do.
SW	CG	1943	400 nominal	(1) 0.5; (2) 40	A	Aircraft search—Transportable—Used by Amphibious Forces.
SX	CG	1945	S_g and S_w bands, Dual Transmitters.	(1) 25; (2) 1 mw—search; 500 kw—ht. finding.	PPI; PPI off-center; RHI.	High powered-general search (air and surface) and fighter director radar.

RADIO TRANSMITTING EQUIPMENT—T SERIES

Model	Contractor	Year	Nominal power output	Type of emission	Frequency range	Purpose—remarks
TA	RW	1919	4 w	A_1	1500–2000 kc	Obsolete.
TB	CW	1918	5 w	A_3	610–1025 kc	Do.
TC	CG	1920	150 w	A_1, A_2, A_3	558–740 kc	Obsolete—Power equipment now in TO equipment.
TD	CG	1921	750/1500 w	A_1, A_2, A_3	100–600 kc	Shore—Obsolete.
TE	CG	1921	300 w	A_1, A_2, A_3	315–600 kc	Obsolete.
TF	CG	1921	300 w	A_1, A_2, A_3	205–600 kc	Do.
TG	CG	1921	300 w	A_1, A_2, A_3	315–600 kc	Do.
TH						Cancelled, reassigned TF.
TJ						Do.
TK	RW	1922	500 w	A_2	100–500 kc	Ship—Obsolete.
TL	CW	1922	6k w	A_2	200–600 kc	Do.
TM	RW	1921	100 w	A_2	300–600 kc	Do.
TP	CW	1923–36	150 w	A_1, A_2	75–600 kc	Do.
TQ	CW	1923				Obsolete—Loading inductance for TL.
TR						Cancelled—Changed to TU–2.
TS–1	RS	1923	500 w	A_1	105–600 kc	Shore—Obsolete.
TU						Cancelled—Changed to TU–1.
TU–1	CG	1924	2k w	A_1, A_2	195–565 kc	Ship—General Service.
TU–2	CG	1924–26	2k w	A_1, A_2	195–565 kc	Do.
TU–3	CG	1926	2k w	A_1, A_2	195–565 kc	Ship.
TU–4	CG	1927–28	2k w	A_1, A_2	195–565 kc	Ship—General Service.
TV	CAY	1925	100 w	A_1, A_2	2000–3000 kc	Ship—General Service—Obsolete.
TW	CAY	1925	100 w	A_1, A_2	2000–3000 kc	Do.
TX	CAY	1925–27	100 w	A_1, A_2	2000–3000 kc	Do.
TY	CAY	1925	200 w	A_1, A_2	312–500 kc	Shore—Obsolete.
TZ	CAY	1926	500 w	A_1, A_2	100–550 kc	Do.
TAA	CG	1926	500 w	A_1, A_2	250–500 kc	Shore—Ex Ship—CC–12 channel, CVE—Obsolete.
			1 kw	A_1	4105–8200 kc	
TAB	CG	1926	2 kw	A_1, A_2	100–555 kc	Shore—Obsolete.
TAB–1	CAY	1927	2 kw	A_1, A_2	100–555 kc	Do.
TAB–2	CAY	1928	2 kw	A_1, A_2	100–555 kc	Do.
TAB–3	CAY	1929	2 kw	A_1, A_2	100–555 kc	Do.
TAB–4	CG	1930	2 kw	A_1, A_2	100–555 kc	Do.
TAB–5	CAY	1940	2 kw	A_1	100–555 kc	Shore.
			1 kw	A_2		
TAB–6, 7	CAY	1942–43	2 kw; 1 kw	A_1, A_2	100–555 kc	Shore—Dry disc rectifier.
			1 kw	A_2		
TAC	CG	1926	10 kw	A_1	60–150 kc	Shore—Obsolete.

RADIO TRANSMITTING EQUIPMENT—T SERIES

Model	Contractor	Year	Nominal power output	Type of emission	Frequency range	Purpose—remarks
TAD	CG	1927	100 w	A_1, A_2	2000–3000 kc	General Service—Obsolete.
TAD–1	CG	1928	100 w	A_1, A_2	2000–3000 kc	Do.
TAD–2	CG	1929	100 w	A_1, A_2	2000–3000 kc	Do.
TAE	CAY	1925	10 kw	A_1, A_2	150–600 kc	Shore—Obsolete.
TAF	CG	1927	1 kw	A_1	4000–4525 kc; 8000–9050 kc; 12000–13575 kc; 16000–18100 kc.	General Service—CC—Obsolete.
TAF–1	CG	1928	1 kw	A_1	4000–4525 kc; 8000–9050 kc; 12000–13575 kc; 16000–18100 kc.	Do.
TAF–2	CG	1929	1 kw	A_1	4000–4525 kc; 8000–9050 kc; 12000–13575 kc; 16000–18100 kc.	Do.
TAG	CG	1927	5 kw	A_1	4000–18100 kc	Do.
TAH	CAY	1927	5 kw	A_1, A_2	150–600 kc	Obsolete—CC–15 channel, CV—Obsolete.
TAJ	CAY	1928	300 w	A_1, A_2	195–600 kc	General Service—Obsolete.
TAJ–1	CAY	1929	500 w	A_1, A_2	195–600 kc	Ship—General Service—Obsolete.
TAJ–2	CG	1931	500 w	A_1, A_2	195–600 kc	Do.
TAJ–3	CRV	1932	500 w	A_1, A_2	195–600 kc	Do.
TAJ–4	CRV	1933	500 w	A_1, A_2	175–600 kc	Do.
TAJ–5	CAY	1934	500 w	A_1, A_2	175–600 kc	Do.
TAJ–6	CG	1934	500 w	A_1, A_2	175–600 kc	Do.
TAJ–7	CG	1938	500 w	A_1, A_2	175–600 kc	Ship—Obsolete.
TAJ–8	CRR	1939	500 w	A_1	175–600 kc	Ship—General Service—Obsolete.
			250 w	A_2		
TAJ–9	CG	1940	500 w	A_1	175–600 kc	Ship—General Service.
			250 w	A_2		
TAJ–10	CG	1941	500 w	A_1	175–600 kc	Ship.
			250 w	A_2		
TAJ–11	CG	1942	500 w	A_1	175–600 kc	Do.
			250 w	A_2		
TAJ–12	CRR	1942	500 w	A_1	175–600 kc	Do.
			250 w	A_2		
TAJ–13	CG	1942	500 w	A_1	175–600 kc	Shore.
			250 w	A_2		
TAJ–14	CG	1942	500 w	A_1	175–600 kc	Ship-Shore-Coast Guard.
			250 w	A_2		
TAJ–15	CG	1943	500 w	A_1	175–600 kc	Ship.
			250 w	A_2		

TAJ–16	CG	1943	500 w	A_1	175–600 kc	Coast Guard.
			250 w	A_2		
TAJ–17	CG	1943	500 w	A_1	175–600 kc	Shore—Supplied as 50-cycle equipments with conversion kits for 60-cycle operation—500 watts output (A_1) for 60-cycle operation—375 watts for 50-cycle operation.
			250 w	A_2		
TAJ–18	CG	1943	500 w	A_1	175–600 kc	Ship.
			250 w	A_2		
TAJ–19	CG	1943	500 w	A_1	175–600 kc	Do.
			250 w	A_2		
TAK	CAY	1930	500 w	A_1	3000–4525 kc	Ship—CC–6 channel, CV—Obsolete.
TAK–a	CAY/RW	1934	500 w	A_1	3000–9050 kc	Do.
TAL	CAY	1928	25 kw	A_1	8000–21500 kc	Shore—CC–3 channel—Obsolete.
TAM	CG	1927	50 w	A_1	2000–3000 kc	Portable—CC–4 channel—Obsolete.
TAN	CG	1927	100 w	A_1	195–570 kc	Portable—Obsolete.
TAN–1	CAY	1928	100 w	A_1	195–570 kc	Do.
TAO	CG	1929	200 w	A_1	2000–3000 kc, 4000–4525 kc, 8000–9050 kc, 12000–13575 kc, and 16000–18100 kc.	Submarine—CC–5 channel—Obsolete.
TAP	CAY	1929	500 w	A_1, A_2	195–600 kc	Ship—Obsolete.
				A_1	2000–3000 kc	
TAP–1	CG	1931	500 w	A_1, A_2	195–600 kc	Do.
				A_1	2000–3035 kc	
TAQ	CAY	1928	2 kw	A_1, A_2	175–600 kc	Ship—General Service—Obsolete.
TAQ–1	CAY	1929	2 kw	A_1, A_2	175–600 kc	Do.
TAQ–2	CG	1930	2 kw	A_1, A_2	175–600 kc	Do.
TAQ–3	CG	1932	2 kw	A_1, A_2	175–600 kc	Do.
TAQ–4	CG	1934	2 kw	A_1, A_2	175–600 kc	Ship—Obsolete.
TAQ–5	CG	1938	2 kw	A_1, A_2	175–600 kc	Ship.
TAQ–5a	CG	1939	2 kw	A_1, A_2	175–600 kc	Do.
TAQ–6	CG	1939	2 kw	A_1, A_2	175–600 kc	Do.
TAG–6a	CG	1939	2 kw	A_1, A_2	175–600 kc	Do.
TAQ–6b	CG	1939	2 kw	A_1, A_2	175–600 kc	Do.
TAQ–7	CG	1941	2 kw	A_1, A_2	175–600 kc	Shore.
TAQ–8	CG	1941	2 kw	A_1, A_2	175–600 kc	Do.
TAQ–9	CG	1939	2 kw	A_1	175–600 kc	Ship.
			1 kw	A_2		
TAQ–10	CG	1942	2 kw	A_1	175–600 kc	Shore.
			1 kw	A_2		
TAR	CG	1929	200 w	A_1	300–600 kc, 4000–4525 kc, 8000–9050 kc, 12000–13575 kc, and 16000–18100 kc.	Submarines—CC or CVE on HF band, CV on IF band.
			100 w	A_2		
TAR–1	RA	1930	200 w	A_1, A_2	300–600 kc	Ship—Obsolete.
				A_1	2000–18100 kc	

Model	Contractor	Year	Nominal power output	Type of emission	Frequency range	Purpose—remarks
TAR–2	CAY	1930	100 w	A_2	300–600 kc	Submarine—Obsolete—CC or CVE on HF band, CV on IF band.
			200 w	A_1	4000–4525 kc, 8000–9050 kc, 12000–13575 kc, and 16000–18100 kc.	
TAS	CG	1928	30 kw	A_1	58 and 102 kc	Shore—Obsolete.
TAT	CG	1929	500 w	A_1, A_2	500–1500 kc	Ship—Obsolete.
TAT–1	CAY	1930	500 w	A_1, A_2	500–1500 kc	Do.
TAU	CAY	1931	1 kw	A_1, A_2	500–2000 kc	Ship—General Service—Obsolete.
TAU–1	CF	1932	1 kw	A_1, A_2	500–2000 kc	Do.
TAV	CN	1929	15 w	A_1	2000–4525 kc	Portable—Receiver Range: 300–600 kc and 2000–4525 kc—Obsolete.
TAV–a	CN/RW	1929	15 w	A_1	2000–4525 kc	Do.
TAV–1	CN	1929	15 w	A_1	2000–4525 kc	Do.
TAV–2	CAY	1933	20 w	A_1	2000–4525 kc	Do.
TAV–2a	CAY	1933	20 w	A_1	2000–4525 kc	Do.
TAV–3	CAY	1934	20 w	A_1	2000–4525 kc	Do.
TAV–4	CAY	1936	20 w	A_1	2000–4525 kc	Do.
TAW	CG	1930	300 kw	A_1	19–35 kc	Shore—Destroyer—Obsolete.
TAW–a	CG	1934	500 kw	A_1	15–34 kc	Shore—Obsolete.
TAW–1	CG	1934	300 kw	A_1	15–34 kc	Do.
TAX	CAY	1930	150 w	A_1	3500–4500 kc and 7000–9000 kc.	Naval Reserve—CC or CV—Obsolete.
TAX–1	RW/CAY	1931	150 w	A_1	1900–3400 kc and 3500–9200 kc.	Do.
TAX–1a	RW/CAY	1931	150 w	A_1	1900–3400 kc and 3500–9200 kc.	Do.
TAX–2	RW/CAY	1931	150 w	A_1	1900–3400 kc and 3500–9220 kc.	Do.
TAY	CAY	1930	200 w	A_1, A_2	300–600 kc	Shore—Obsolete.
TAY–1	CAY	1934	200 w	A_1, A_2	300–600 kc	Do.
TAZ	CAY	1931	100 w	A_1, A_2	300–600 kc	Ship—CC or CVE on HF bands, CV only on i. f.—Obsolete.
			200 w	A_1	4000–4525 kc, 8000–9050 kc, 12000–13575 kc, and 16000–18100 kc.	
TAZ–1	CHS	1933	200 w	A_1, A_2	300–600 kc	Ship—Obsolete.
				A_1	2000–18100 kc	
TBA	CG	1931	1 kw	A_1	4000–26000 kc	Ship—General Service—CC–16 channel—Obsolete.

TBA-1	CG	1932	1 kw	A_1	4000–26000 kc	General Service—CC–16 channel—Obsolete.
TBA-1a	CG	1932	1 kw	A_1	4000–26000 kc	Ship—General Service—Obsolete.
TBA-2	CG	1934	1 kw	A_1	4000–26000 kc	Ship—CC–16 channel—Obsolete.
TBA-3	CG	1939	1 kw	A_1	4000–26000 kc	Ship—General Service—Obsolete.
TBA-3a	CG	1939	1 kw	A_1	4000–26000 kc	Ship—Obsolete.
TBA-4	CG	1939	1 kw	A_1	4000–26000 kc	Shore—Obsolete.
TBA-5	CG	1940	1 kw	A_1	4000–26000 kc	Coast Guard—CC–16 channel.
TBA-6	CG	1939	1 kw	A_1	4000–26000 kc	Ship.
TBA-7						Cancelled.
TBA-8	CG	1942	1 kw	A_1	4000–26000 kc	Shore.
TBA-9	CG	1942	1 kw	A_1	4000–26000 kc	Coast Guard—CC–10 channel and CV.
TBA-10	CG	1939	1 kw	A_1	4000–26000 kc	Shore.
TBA-11	CG	1942	1 kw	A_1	4000–26000 kc	Do.
TBA-12	CG	1943	1 kw	A_1	4000–26000 mc	Lend Lease—CC–10 channel.
TBA-13	CG	1943	1 kw	A_1	4000–26000 mc	Lend Lease—CC–10 channel—60 cycle equipment with 50 cycle conversion kit supplied.
TBB	CG	1931	5 kw	A_1	4000–26000 kc	Shore—General Service—CC–16 channel and CV—Obsolete.
TBC	CG	1931	30/15 kw	A_1	4000–26000 kc	Shore—CC–12 channel, CV—Obsolete.
TBC-1	CG	1932	30/15 kw	A_1	4000–26000 kc	Do.
TBC-2*	CG	1938	50/40 kw	A_1	4000–26000 kc	Shore—CC–12 channel, CV—(RA 3306–A).
TBC-3*	CG	1940	50/40 kw	A_1	4000–26000 kc	Shore—CC–12 channel, CV—(RA–1506).
TBC-4, 5*	CG	1940–43	50/40 kw	A_1	4000–26000 kc	Shore—CC–12 channel, CV.
TBD	CP	1931	50 w	A_1, A_3	375–500 kc	Shore—Obsolete.
TBE	RW	1931	100 w	A_1, A_2	300–800 kc	Naval Reserve—Obsolete.
TBE-a	RW	1931	100 w	A_1, A_2	300–800 kc	Do.
TBE-1	RW	1936	100 w	A_1, A_2	300–800 kc	Naval Reserve.
TBF	CAY	1932	75/500 w	A_1	2000–4525 kc	General Service—Obsolete.
TBF-a	CAY	1932	75/500 w	A_1	2000–18100 kc	Ship—Obsolete.
TBF-1	CRV	1933	75/500 w	A_1	2000–4525 kc	Do.
TBF-2						Cancelled, changed to TBK.
TBG	CRV	1933	200 w	A_1, A_2	300–600 kc	Submarine—Ship—CC–6 channel—Obsolete.
				A_1	2000–18100 kc	
TBH	CRV	1933	200 w	A_1, A_2, A_3	3000–9050 kc	Ship—Obsolete.
TBH-1	CRV	1935	200 w	A_1, A_2, A_3	3000–9050 kc	Do.
TBH-2	CRV	1935	200 w	A_1, A_2, A_3	3000–9050 kc	Shore—Obsolete.
TBJ	CG	1934	500 kw	A_1	15–34 kc	Do.
TBJ-1						Cancelled.
TBK	CAY	1934	500 w	A_1	2000–18100 kc	Ship—General Service—Obsolete.
			75 w		2000–9050 kc	
TBK-1	CAY	1934	500 w	A_1	2000–18100 kc	Shore—Obsolete.
			75 w		2000–9050 kc	
TBK-2	CAY	1934	500 w	A_1	2000–18100 kc	Do.
			75 w		2000–9050 kc	

Model	Contractor	Year	Nominal power output	Type of emission	Frequency range	Purpose—remarks
TBK–3	CAY	1934	500 w	A_1	2000–18100 kc	Ship—General Service—Obsolete.
			75 w		2000–9050 kc	
TBK–4	CAY	1935	500 w	A_1	2000–18100 kc	Shore—Obsolete.
			75 w		2000–9050 kc	
TBK–5*	CAY	1936	500 w	A_1	2000–18100 kc	Ship—General Service—(R–906)—Obsolete.
			75 w		2000–9050 kc	
TBK–6*	CAY	1936	500 w	A_1	2000–18100 kc	Shore—General Service—(R–906 and R–906A)—Obsolete.
			75 w		2000–9050 kc	
TBK–7*	CAY	1937	500 w	A_1	2000–18100 kc	Ship—General Service—(R–974)—Obsolete.
			75 w		2000–9050 kc	
TBK–8	CRV	1938	500 w	A_1	2000–18100 kc	Ship—General Service—Obsolete.
			75 w		2000–9050 kc	
TBK–9	CAY	1939	500 w	A_1	2000–18100 kc	Ship—General Service.
			75 w		2000–9050 kc	
TBK–10	CRV	1940	500 w	A_1	2000–18100 kc	Ship.
			75 w		2000–9050 kc	
TBK–11	CAY	1939	500 w	A_1	2000–18100 kc	Shore.
			75 w		2000–9050 kc	
TBK–12	CRV	1941	500 w	A_1	2000–18100 kc	Ship.
			75 w		2000–9050 kc	
TBK–13	CAY	1941	500 w	A_1	2000–18100 kc	Do.
			75 w		2000–9050 kc	
TBK–14	CRV	1942	500 w	A_1	2000–18100 kc	Do.
TBK–15	CAY	1941	500 w	A_1	2000–18100 kc	Shore.
			75 w		2000–9050 kc	
TBK–16	CAY	1942	500 w	A_1	2000–18100 kc	Do.
			75 w		2000–9050 kc	
TBK–17	CRV	1943	500 w	A_1	2000–18100 kc	Ship.
			75 w		2000–9050 kc	
TBK–18	CAY	1943	500 w	A_1	2000–18100 kc	Do.
			75 w		2000–9050 kc	
TBK–19	CRV	1943	500 w	A_1	2000–18,100 kc	Ships—Similar to TBK–17.
TBK–20	CAY	1943	500 w		2000–18,100 kc	Ships—Same as TBK–18 except uses high shock controllers.
			75 w	A_1	2000–9050 kc	
TBL	CRV	1934	200 w	A_1, A_2	175–600 kc	Ship—CC–9 channel—Obsolete.
				A_1	2000–18100 kc	
TBL–1	CRV	1934	200 w	A_1, A_2	175–600 kc	Do.
				A_1	2000–18100 kc	

TBL–2	CAY	1936	200 w	A_1	175–600 kc; 2000–18100 kc	Submarine-Ship—Obsolete.
			100 w	A_2	175–600 kc	
			50 w	A_3 [1]	175–600 kc; 2000–18100 kc	
TBL–3*	CAY	1937	200 w	A_1	175–600 kc; 2000–18100 kc	Ship, General Service—(R–973)—Obsolete.
			100 w	A_2	175–600 kc	
			50 w	A_3 [1]	175–600 kc; 2000–18100 kc	
TBL–4	CRV		200 w	A_1	175–600 kc; 2000–18100 kc	Ship—Obsolete.
			100 w	A_2	175–600 kc	
			50 w	A_3 [1]	175–600 kc; 2000–18100 kc	
TBL–5	CAY	1939	200 w	A_1	175–600 kc; 2000–18100 kc	Ship.
			100 w	A_2	175–600 kc	
			50 w	A_3 [1]	175–600 kc; 2000–18100 kc	
TBL–6	CAY	1939	200 w	A_1	175–600 kc; 2000–18100 kc	Ship—General Service.
			100 w	A_2	175–600 kc	
			50 w	A_3 [1]	175–600 kc; 2000–18100 kc	
TBL–7	CAY	1942–43	200 w	A_1	175–600 kc; 2000–18100 kc	Ship.
TBL–7a			100 w	A_2	175–600 kc	
			50 w	A_3 [1]	175–600 kc; 2000–18100 kc	
TBL–8	CRV	1942	200w	A_1	175–600 kc; 2000–18100 kc	Do.
			100w	A_2	175–600 kc	
			50 w	A_3 [1]	175–600 kc; 2000–18100 kc	
TBL–9	CRV	1942	200 w	A_1	175–600 kc; 2000–18100 kc	Shore.
			100 w	A_2	175–600 kc	
			50 w	A_3 [1]	175–600 kc; 2000–18100 kc	
TBL–10	CAY	1942	200 w	A_1	175–600 kc; 2000–18100 kc	Shore—Rectifier power.
			100 w	A_2	175–600 kc	
			50 w	A_3 [1]	175–600 kc; 2000–18100 kc	
TBL–11	CAY	1943	200 w	A_1	175–600 kc; 2000–18100 kc	Shore—Dry Disc Rectifier.
			100 w	A_2	175–600 kc	
			50 w	A_3 [1]	175–600 kc; 2000–18100 kc	
TBL–12	CAY	1943	200 w	A_1	175–600 kc; 2000–18100 kc	Ship.
			100 w	A_2	175–600 kc	
			50 w	A_3 [1]	175–600 kc; 2000–18100 kc	
TBL–13	CAY		200 w	A_1	175–600 kc	Ships—Lend-lease—Same as TBL–12 except for high shock magnetic controller.
			100 w	A_2	175–600 kc	
			50 w	A_3	175–600 kc; and 2000–18100 kc	
TBM	CAY	1934	500 w	A_1	2000–18100 kc	Ship—Obsolete.
			350 w	A_2, A_3	2000–18100 kc	
			75 w	A_1	2000–9050 kc	
TBM–1	CAY	1934	500 w	A_1	2000–18100 kc	Shore—Obsolete.
			350 w	A_2, A_3	2000–18100 kc	
			75 w	A_1	2000–9050 kc	

[1] Designed for phone operation when associated with type 50064 speech input equipment.

RADIO TRANSMITTING EQUIPMENT—T SERIES

Model	Contractor	Year	Nominal power output	Type of emission	Frequency range	Purpose—remarks
TBM–2	CAY	1934	500 w	A_1	2000–18100 kc	Ship—Obsolete.
			350 w	A_2, A_3	2000–18100 kc	
			75 w	A_1	2000–9050 kc	
TBM–3	CAY	1934	500 w	A_1	2000–18100 kc	Do.
			350 w	A_2, A_3	2000–18100 kc	
			75w	A_1	2000–9050 kc	
TBM–4	CAY	1940	500 w	A_1	2000–18100 kc	Ship.
			350 w	A_2, A_3	2000–18100 kc	
			75 w	A_1	2000–9050 kc	
TBM–5	CAY	1940	500 w	A_1	2000–18100 kc	Do.
			350 w	A_2, A_3	2000–18100 kc	
			75 w	A_1	2000–9050 kc	
TBM–6	CAY	1940	500 w	A_1	2000–18100 kc	Shore.
			350 w	A_2, A_3	2000–18100 kc	
			75 w	A_1	2000–9050 kc	
TBM–7	CAY	1941	500 w	A_1	2000–18100 kc	Ship.
			350 w	A_2, A_3	2000–18100 kc	
			75 w	A_1	2000–9050 kc	
TBM–8	CAY	1941	500 w	A_1, A_2, A_3	2000–18100 kc	Shore.
			350 w	A_2, A_3	2000–18100 kc	
			75 w	A_1	2000–9050 kc	
TBM–9	CAY	1942	500 w	A_1	2000–18100 kc	Ship.
			350 w	A_2, A_3	2000–18100 kc	
			75 w	A_1	2000–9050 kc	
TBM–10	CAY	1943	500 w	A_1	2000–18100 kc	Shore—Dry disc rectifier.
			350 w	A_2, A_3	2000–18100 kc	
			75 w	A_1	2000–9050 kc	
TBM–11	CAY		75 w	A_1	2000–9050 kc	Ship—Same as TBM–9 except uses high stock controllers.
			500 w	A_2, A_3	2000–13,100 kc	
TBN	CAY	1934	1 kw	A_1, A_2	300–2000 kc	Ship—Obsolete.
			500 w	A_1, A_2, A_3	2000–18100 kc	
			75 w	A_1, A_2	2000–18100 kc	
TBN–1	CAY	1934	1 kw	A_1, A_2	300–2000 kc	Shore—Obsolete.
			500 w	A_1, A_2, A_3	2000–18100 kc	
			75 w	A_1, A_2	2000–18100 kc	
TBN–2	CAY	1934	1 kw	A_1, A_2	300–2000 kc	Ship—Obsolete.
			500 w	A_1, A_2, A_3	2000–18100 kc	
			75 w	A_1, A_2	2000–18100 kc	
TBN–3	CAY	1934	1k w	A_1, A_2	300–2000 kc	Do.

			500 w	A_1, A_2, A_3	2000–18100 kc	
			75 w	A_1, A_2	2000–18100 kc	
TBO	CG	1935	9 w	A_1	2000–3500 kc	Portable Transmitting and Receiving equipment—Marine Corps Rec. Freq: 2000–8000 kc—Obsolete.
			3 w	A_3		
TBO–1	CG	1936	9 w	A_1	2000–3500 kc	Do.
			3 w	A_3		
TBP	CAY	1936	0.5 w	A_2, A_3	28–65 mc	Portable Transmitting and Receiving equipment—Marine Corp Rec. Freq: 28–65 mc—Obsolete.
TBQ	CRV	1937	200 w	A_3	60–66 mc	Shore—Obsolete.
TBR	CG	1936	125 w	A_1, A_2, A_3	2000–18100 kc	Semipermanent base station equipment—Rec. Freq: 300–23000 kc—Obsolete.
TBR–1	CG	1936	125 w	A_1, A_2, A_3	2000–18100 kc	Semipermanent base station equipment—Rec. Freq: 300–23000 kc—Obsolete.
				A_1, A_2	300–18100 kc	
TBS	CRV	1938	50 w	A_2, A_3	60–80 mc	Ship—CC–1 channel—Rec. Freq: 60–80 mc (CC–1 channel)—Obsolete.
TBS–1	CRV	1939	50 w	A_2, A_3	60–80 mc	Ship—CC–1 channel—Receiver Freq: 60–80 mc (CC–1 channel)—Obsolete.
TBS–2	CRV	1939	50 w	A_2, A_3	60–80 mc	Ship—Submarine—CC–1 channel—Rec. Freq:60–80 mc (CC–1 channel)—Obsolete.
TBS–3	CRV	1942	50 w	A_2, A_3	60–80 mc	Ship—CC–1 channel—Receiver Freq: 60–80 mc—CC–1 channel.
TBS–4	CG	1943	50 w	A_2, A_3	60–80 mc	Do.
TBS–5	CRV	1943	50 w	A_2, A_3	60–80 mc	Do.
TBS–6	CRV	1943	50 w	A_2, A_3	60–80 mc	Do.
TBS–7	CG	1944	50 w	A_2, A_3	60–80 mc	Same as TBS–4 except for MG sets.
TBS–8	CRV	1944	50 w	A_2, A_3	60–80 mc	Ship—Same as TBS–6 except for circuit symbols.
TBT	CRV	1939	50 w	A_2, A_3	60–200 mc	Ship—Experimental (RAQ rec)—Obsolete.
TBU*	CAY	1939	1 kw	A_1, A_2	300–2000 kc	Ship—(R–1042).
TBU–1	CAY	1941	1 kw	A_1, A_2	300–2000 kc	Shore.
TBU–2	CAY	1941	1 kw	A_1, A_2	300–2000 kc	Ship.
TBU–3	CAY	1941	1 kw	A_1, A_2	300–2000 kc	Shore.
TBU–4	CAY	1942	1 kw	A_1, A_2	300–2000 kc	Do.
TBV	RM	1938	250 w	Spark	500 kc	Submarine Marker Buoy—Obsolete.
TBW	CAY	1939	100 w	A_1, A_2	350–1000 kc	A part of Model MM—Ship-shore.
			25 w	A_3	3000–18100 kc	
TBW–1	CAY	1940	100 w	A_1, A_2	350–1000 kc	A part of Model MM–1.
			25 w	A_3	2000–18100 kc	
TBW–2	CAY	1941	100 w	A_1, A_2	350–1000 kc	A part of Model MM–2.
			25 w	A_3	3000–18100 kc	
TBW–3	CAY	1942	100 w	A_1, A_2	350–1000 kc	A part of Model MM–3.
			25 w	A_3	3000–18100 kc	

Model	Contractor	Year	Nominal power output	Type of emission	Frequency range	Purpose—remarks
TBW-4	CAY	1942	100 w 25 w	A_1, A_2 A_3	350–1000 kc 3000–18100 kc	A part of Model MM-4.
TBW-5	CAY	1943	100 w 25 w	A_1, A_2 A_3	350–1000 kc 3000–18100 kc	Similar to TBW-4—Part of MM-5—Portable.
TBX	CG	1939	9 w 3 w	A_1 A_3	2000–4525 kc	Portable Transmitting and Receiving equipment—General Service—Rec. Freq: 2000–8000 kc—CC–2 channel. CV.
TBX-a	CG				2000–5800 kc	Same as TBX except for Trans-Rec. unit.
TBX-1	CG	1940	9 w 3 w	A_1 A_3	2000–4525 kc	Portable Transmitting and Receiving equipment—General Service—Rec. Freq: 2000–8000 kc—CC–2 channel, CV.
TBX-1a	CG				2000–5800 kc	Same as TBX–1 except for Trans-Rec. unit.
TBX-2	CG	1941	9 w 3 w	A_1 A_3	2000–4525 kc	Portable Transmitting and Receiving Equipment—General Service—Rec: Freq: 2000–8000 kc—CC–2 channel, CV.
TBX-2a	CG				2000–5800 kc	Same as TBX–2 except for Trans-Rec. unit.
TBX-3	CG	1941	9 w 3 w	A_1 A_3	2000–4525 kc	Portable Transmitting and Receiving Equipment—General Service—Rec. Freq: 2000–8000 kc—CC–2 channel, CV.
TBX-3a	CG				2000–5800 kc	Same as TBX–3 except for Trans-Rec. unit.
TBX-4	CHZ	1942	9 w 3 w	A_1 A_3	2000–4525 kc	Portable Transmitting and Receiving Equipment—General Service—Rec. Freq: 2000–8000 kc—CC–2 channel, CV.
TBX-4a	CHZ				2000–5800 kc	TBX–4 modified by extending Trans. frequency range.
TBX-5	CGQ	1943	9 w 3 w	A_1 A_3	2000–4525 kc	Portable Transmitting and Receiving Equipment—General Service—Rec. Freq: 2000–8000 kc—CC–2 channel, CV.
TBX-6	CG	1943	9 w 3 w	A_1 A_3	2000–4525 kc	Do.
TBX-7	CG		10 w 3 w	A_1 A_3	2–5.8 mc	Portable Transmitting and Receiving Equipment—Rec. Freq: 2–5.8 mc.
TBX-8	CGQ	1943	10 w 3 w	A_1 A_3	2–5.8 mc	Portable Transmitting and Receiving Equipment—Rec. Freq: 2–8 mc.
TBY	CAY	1940	0.5 w	A_2, A_3	28–80 mc	UHF Portable Transmitting and Receiving Equipment—General Service—Rec. Freq: 28–80 mc.
TBY-1*	CAY	1941	0.5 w	A_2, A_3	28–80 mc	VHF Portable Transmitting and Receiving

						Equipment—General Service—Rec. Freq: 28–80 mc—(R–1164).
TBY–2	CAY	1941	0.5 w	A_2, A_3	28–80 mc	VHF Portable Transmitting and Receiving Equipment—General Service—Rec. Freq: 28–80 mc.
TBY–3						Cancelled
TBY–4	CRI	1942	0.5 w	A_2, A_3	28–80 mc	VHF Portable Transmitting and Receiving Equipment—General Service—Rec. Freq: 28–80 mc.
TBY–5	CFE	1942	0.5 w	A_2, A_3	28–80 mc	Do.
TBY–6	CRI	1943	0.5 w	A_2, A_3	28–80 mc	Do.
TBY–7	CRI	1943	0.5 w	A_2, A_3	28–80 mc	Do.
TBY–8	CRI	1943	0.5 w	A_2, A_3	28–80 mc	Do.
TCA*	COL	1939	15 w	A_3	3000–10000 kc	Shore—CC–2 channel.
TCA–1**	COL	1941	15 w	A_3	3000–9050 kc	Do.
TCB*	COL	1939	75 w	A_1, A_2, A_3	1500–12000 kc	Shore—CC–10 channels.
TCB–1**	COL	1941	150 w	A_1, A_2, A_3	1500–12000 kc	Do.
TCB–2**	COL	1941	150 w	A_1, A_2, A_3	1500–12000 kc	Do.
TCC*	COL	1939	1 kw	A_1	2000–18100 kc	Do.
			600 w	A_2, A_3		
TCC–1**	COL	1940	1 kw	A_1	2000–18100 kc	Do.
			600 w	A_2, A_3		
TCC–2*	COL	1940	1 kw	A_1	2000–18100 kc	Do.
			600 w	A_2, A_3		
TCC–3**	COL	1941	1 kw	A_1	2000–18100 kc	Do.
			600 w	A_2, A_3		
TCC–4**	COL	1941	1 kw	A_1	2000–18100 kc	Do.
			600 w	A_2, A_3		
TCD	CG	1939	15 w	A_2, A_3	132–156 mc	Ship—General Service—CC–1 channel—(RAR receiver).
TCE	CAY	1938	125 w	A_1, A_2	350–9050 kc	Ship—CV, six plug-in tuning units.
			40 w	A_3		
TCE–1	CAY	1940	125 w	A_1, A_2	350–9050 kc	Do.
			40 w	A_3		
TCE–2	CAY	1942	125 w	A_1, A_2	350–9050 kc	Do.
			40 w	A_3		
TCF**	COL	1939	100 w	A_1, A_2	10000–17000 kc	Special TCB—CC–10 channel in HF band—Shore.
			50 w	A_3	17000–30140 kc	
TCG	CG	1940	50 kw	A_1	50–150 kc	Shore.
TCG–1	CG	1940	50 kw	A_1	50–150 kc	Do.
TCG–2	CG	1941	50 kw	A_1	50–150 kc	Do.
TCG–3	CG	1943	50 kw	A_1	50–150 kc	Do.
TCH*	COL	1940	15 w	A_1, A_3	2000–16000 kc	Ship—Emergency (CC–2 channel, CV)—Rec. Freq: 2000–16000 kc—Similar to TCS—(18M5).

Model	Contractor	Year	Nominal power output	Type of emission	Frequency range	Purpose—remarks
TCH–1*	COL	1942	15 w	A_1, A_3	2000–16000 kc	Lend-Lease—Ship—Emergency (CC–2 channel, CV)—Rec. Freq: 2000–16000 kc with power supply 415E–3.
TCJ*	CG	1941	400 w	A_1	300–600 kc	Ship—(15038).
			200 w	A_2		
TCJ–1	CG	1942	400 w	A_1	300–600 kc	Shore.
			200 w	A_2		
TCJ–2	CG	1944	400 w	A_1	300–600 kc	Ships—Lend-Lease—Same as TCJ–1 except has modulator and improvements.
			200 w	A_2		
TCK*	CG	1941	400 w	A_1	2000–18100 kc	Ship—M. G. Sets—(RA–1502B).
			100 w	A_3		
TCK–1	CG	1941	400 w	A_1	2000–18100 kc	Shore—M. G. Sets.
			100 w	A_3		
TCK–2	CG	1941	400 w	A_1	2000–18100 kc	Coast Guard—M. G. Sets.
			100 w	A_3		
TCK–3	CG	1942–43	400 w	A_1	2000–18100 kc	Shore, Coast Guard—M. G. Sets.
			100 w	A_3		
TCK–4	CG	1943	400 w	A_1	2000–18100 kc	Shore—Rectifier.
			100 w	A_3		
TCK–5	CG	1943	400 w	A_1	2000–18100 kc	Coast Guard—M. G. Power.
			100 w	A_3		
TCK–6	CG	1943	400 w	A_1	2000–18100 kc	Coast Guard—Rectifier Power.
			100 w	A_3		
TCK–7	CG	1944	400 w	A_1	2000–18100 kc	Lend-Lease—same as TCK–3 except for MG sets.
			100 w	A_3		
TCL**	CJA	1941	25 w	FM: 15 kc	30–42 mc	Ship—CC–1 channel—Rec. Freq: 30–42 Mc—see Model MN—Manu. by CJA—(RA–3356).
TCL–1**	CG	1941	5 w	FM: 15 kc	30–42 mc	Mine sweeping—CC–1 channel—Rec. Freq: 30–42 Mc—See Model MN.
TCL–2**	CG	1942	5 w	FM: 15 kc	30–42 mc	Do.
TCM	CG	1936	125 w	A_1	2000–18100 kc	Shore—Obsolete.
			30 w	A_2		
			30 w	A_3		
TCM–1	CG	1942	125 w	A_1	2000–18100 kc	Shore.
			30 w	A_2		
			30 w	A_3		

TCM–2	CG	1943	125 w	A_1	2000–18100 kc	Shore.
			30 w	A_2		
			30 w	A_3		
TCN	CG	1936	125 w	A_1	300–2000 kc	Ship-Shore—Combination of Models.
			30 w	A_2		TCM and TCU—Obsolete.
			30 w	A_3	2000–18100 kc	
TCN–1	CG	1942	125 w	A_1	300–2000; 2000–18100 kc	Shore.
			30 w	A_2	300–2000; 2000–18100 kc	
			30 w	A_3	2000–18100 kc	
TCO*	CRN	1941	25 w	A_3	2000–3000 kc	Ship—CC–6 channel—Rec. Freq: 2000–3000 kc—(ET–8021).
TCO–1**	CRM	1941	25 w	A_3	2000–3000 kc	Ship—CC–6 channel—Rec. Freq: 2000–3000 kc.
TCO–2**	CRM	1942	25 w	A_3	2000–3000 kc	Ship—CC–6 channel—Rec. Freq: 2000–3000 kc.
TCP*	CRM	1941	75 w	A_3	2000–3000 kc	Ship—CC–10 channel—Rec. Freq: 2000-3000 kc.
TCP–1**	CRM	1941	75 w	A_3	2000–3000 kc	Ship—CC–10 channel—Rec. Freq: 2000-3000 kc—(ET–8012–B).
TCP–2**	CRM	1942	75 w	A_3	2000–3000 kc	Ship—CC–10 channel—Rec. Freq: 2000–3000 kc.
TCP–3	CRM	1944	75 w	A_3	2000–3000 kc	Ships—CC–10 channel Rec. Freq: 2000–3000 kc.
TCQ*	CHI	1935	30 w	A_1, A_2, A_3	2000–9050 kc	Ship—CC–4 channel—Rec. Freq: 2000–9050 kc—Obsolete.
TCR*	CRM	1941	125 w	A_2, A_3	2000–3000 kc	Shore—CC–6 channel—(ET–8020A).
TCS**	COL	1941	25 w	A_1	1500–12000 kc	General Service—CC–4 channel, CV—Rec. Freq: 1500–12000 kc—(18Q–1).
			10 w	A_3		
TCS–1**	COL	1941	25 w	A_1	1500–12000 kc	Lend-Lease—CC–4 channel, CV—Rec. Freq: 1500–12000 kc.
			10 w	A_3		
TCS–2**	COL	1941	25 w	A_1	1500–12000 kc	Do.
			10 w	A_3		
TCS–3**	COL	1941	25 w	A_1	1500–12000 kc	Do.
			10 w	A_3		
TCS–4**	COL	1941	25 w	A_1	1500–12000 kc	General Service—CC–4 channel, CV—Rec. Freq: 1500–12000 kc.
			10 w	A_3		
TCS–5**	COL	1942	25 w	A_1	1500–12000 kc	Do.
			10 w	A_3		
TCS–6**	CHZ	1943	25–10 w	A_1, A_3	1500–12000 kc	Do.
TCS–7**	COL	1943	25–10 w	A_1, A_3	1500–12000 kc	Do.
TCS–8**	CBS	1943	25–10 w	A_1, A_3	1500–12000 kc	Do.
TCS–9**	COL	1943	25–10 w	A_1, A_3	1500–12000 kc	Do.
TCS–10**	COL	1943	25–10 w	A_1, A_3	1500–12000 kc	Do.
TCS–11**	COL	1943	25–10 w	A_1, A_3	1500–12000 kc	Do.
TCS–12**	COL	1943	25–10 w	A_1, A_3	1500–12000 kc	Do.

Model	Contractor	Year	Nominal power output	Type of emission	Frequency range	Purpose—remarks
TCS–13	CIH	1943	25 w 15 w	A_1 A_3	1500–12000 kc	Design based on TCS–6.
TCS–14	CKP	1943	25 w 15 w	A_1 A_3	1500–12000 kc	Similar to TCS–6.
TCT*	COL	1941	150 w	A_1, A_2, A_3	315–500 kc; 2500–20000 kc	Shore—(16EA–1).
TCU	CG	1936	125 w	A_1, A_2	300–2000 kc	Ship-shore—Obsolete.
TCU–1	CG 1941, 1942		125 w 30 w	A_1 A_2	300–2000 kc	Shore.
TCU–2	CG	1943	125 w 30 w	A_1 A_2	300–2000 kc	Do.
TCV*	CWV	1942	40 w	A_3	200–550 kc	Shore—(AT–40).
TCW						Cancelled, reassigned TBW.
TCX*	CG	1941	36 w	A_1	1500–12000 kc	Ship—General Service—CC–4 channel and CV—Used with RBD—(RA–1532).
TCY* TCY–1	CFT	1941–42	5 w	A_2	500 kc Spot	Lifeboats—(M–1356–1A).
TCZ*	COL	1942	100 w 50 w	A_1, A_2, A_3	200–1500 kc; 2–18.1 mc	Ship—Shore—Similar to ATC—CV–1 channel LF—10 channel HF, 110 volt—(17T–3).
TCZ–1	COL				200–1500 kc; 2–18.1 mc	Similar to TCZ except for changes in Motor Generator-Rectifier Set.
TDA*	CRM	1942	200 w	A_1, A_2	355–500 kc	Ship—(ET–8010–C).
TDB*	CRM	1942	200 w 150 w	A_1, A_2 A_1, A_2	2050–17000 kc 17000–22140 kc	Ship—CC–10 channel or CVE—(ET–8019A).
TDB–1*	CRM	1943	200 w 150 w	A_1, A_2 A_1, A_2	2050–17000 kc 17000–22140 kc	Ship—CC–10 channel.
TDB–2*	CRM	1944	200 w 150 w	A_1 A_2	2050–17000 kc 17000–22140 kc	Ship—Same as TDB and TDB–1 except Navy designation assigned to major units.
TDC** TDC–1	CJF	1941–43	100 w	A_2	72.2 mc	Radio Sonde—Used with RAU Receiver.
TDD*	CCI	1942	15 w	A_3	200–550 kc	Shore—CC.
TDD–1*	CCI	1943	15 w	A_3	200–550 kc	Do.
TDD–2*	CCI	1944	15 w	A_3	200–550 kc	Aircraft—Shore—Same as TDD except for meters—Xtal.
TDE	CAY	1942	100 w 35 w 30 w	A_1 A_2 A_3	300–18100 kc	General Service.

TDE–1	CAY	1943	100 w 35 w 30 w	A_1 A_2 A_3	300–18100 kc	Do.
TDE–2	CAY	1943	100 w 35 w 30 w	A_1 A_2 A_3	300–18100 kc	Ship-Coast Guard.
TDE–3	CFN	1943	100 w 35 w 30 w	A_1 A_2 A_3	300–18100 kc	Ship.
TDF*	CRM	1941	125 w	A_1, A_2, A_3	2000–9400 kc	Shore—CC–3 channel—only 3 usable above 3 Mc.
TDF–1						Cancelled, reassigned TDF.
TDG**	CW	1942	15 w	A_3	132–156 mc	UHF Remote Control Circuits—Used with RBQ Receiver CC–1 channel.
TDG–1**	CW	1943	15 w	A_3	124–146 mc	UHF Remote Control Circuits—Used with RBQ–1 Receiver—CC–1 channel.
TDH*	COL	1942-43	3 kw 2.5 kw	A_1, A_2, A_3 A_1, A_2, A_3	2000–12000 kc 12000–18100 kc	Shore—CV–10 channel—(231D).
TDH–1*	COL	1942	3 kw 2.5 kw	A_1, A_2, A_3 A_1, A_2, A_3	4000–8000 kc 8000–18100 kc	Advanced Base—CC–10 channel.
TDH–2*	COL	1943	3 kw 2.5 kw	A_1, A_2, A_3 A_1, A_2, A_3	2000–8000 kc 8000–18100 kc	Shore—Advance Bases—CV–10 channel.
TDH–3*	COL	1943	3 kw 2.5 kw	A_1, A_2, A_3 A_1, A_2, A_3	2000–8000 kc 8000–18100 kc	Advanced Bases—Coast Guard—CV–10 channel.
TDH–4	COL	1944	3 kw	A_1, A_2, A_3	2000–18100 kc	MO—Same as TDH–3 except for transmitter.
TDJ*	COL	1942	250 w	A_1, A_2, A_3	2000–18100 kc	Ship-Shore—CV–10 channel—(C–670).
TDK*	CRM	1942	30 w	A_2	375–500 kc	Ship—(Emergency transmitter—ET–8003).
TDL						Cancelled—Equipments are Model TDF.
TDM*	CJF	1942	15 w	A_2	2500–5500 kc	Shore—CC—Automatic Weather Station.
TDM–1	CJF	1944				Advance Bases—Automatic Weather Station.
TDN*	CFT	1942	3 kw	A_1	2–20 mc	Shore—(FT–300)—CC, CV, or CVE.
TDN–1*			3 kw	A_1	2–20 mc	(96–C)
TDN–2	CFT	1944	3 kw	A_1	2–20 mc	Same as TDN except for master oscillator control, CC and CV.
TDN–3	CFT	1944	3 kw	A_1	2–20 mc	Same as TDN–1 except has 2 CFT–52296 transmitters, CC and CV.
TDN–4	CFT	1944	3 kw	A_1, A_3	2–20 mc	Similar to TDN–2—Has A3 emission.
TDO**	COL	1943	400 w 250 w	A_1 A_2, A_3	2–18.1 mc	Shore—CV–1 channel-quick shift—Identical to Singal Corps BC–460).
TDP	CYJ	1943				Loran.
TDP–1	CG	1943				Loran.
TDQ	CRV	1943	35 w	A_2, A_3	115–156 mc	General Service—CC–1 channel.

Model	Contractor	Year	Nominal power output	Type of emission	Frequency range	Purpose—remarks
TDR	CG	1943	25 w	A_3	225–400 mc	General Service—CV—Used with RCN Receiver.
TDS						Commercial Designation for Navy Model PF
TDT**	CKV	1943	35 w	A_2, A_3	115–156 mc	Shore—CC–1 channel.
TDU*	CRV	1943	15 kw	A_1	2–12 mc	Shore—(ET–4750–X).
			12.5 kw	A_1	12–22 mc	
TDV	CN	1943	5 w	A_1	1–30 mc	DF target transmitter—See XCB, XCC.
TDW	CKV	1943				RCM.
TDX		1943				RCM—Production CXFQ.
TDY	CG	1943				RCM—Production CXFR—Ship.
TDY–a						Modification of TDY.
TDY–1						RCM—Similar to TDY.
TDY–1a						RCM.
TDZ*	CG	1944	30 w	A_2, A_3	210–400 mc	General purpose—10 Channel CC—(RA 1612).
TEA						RCM—Production of XCJ and XCK.
TEB**	CYV	1944	15 kw	A_1 and Single side control exciter.	4–21 mc	Shore—CC—(PW 15A).
TEC**	CYV	1944	40 kw	A_1	4–21 mc	Shore—CC—(PW 40 B).

REMOTE CONTROL EQUIPMENT—U SERIES

Model	Contractor	Year	Nominal power output	Frequency range	Purpose—remarks
UA	CRV	1933			5 Channel Tone Keying Equipment—Radio Control—Shore—Obsolete.
UA–1	CRV	1937			Amplifier Oscillator Keying Equipment—Shore.
UA–2	CRV	1941			Remote Control Tone Keying Equipment—Shore.
UB	CW	1934	500 w	27–40 mc	Remote Control Tone Keying Equipment—Use with UA—Obsolete.
UB–1	CW	1940		27–40 mc	Remote Control Tone Keying Equipment—Use with UA.
UC	CRV	1937			Transmitting Filter, Plug Board Unit—Shore.
UD	CRV	1937			Receiving Filter, Plug Board Unit—Shore.
UE–1	CG				Loran—Shore Station Timing Equipment.
UF *	CW	1943			Portable Multichannel Carrier Control System.
UG	CW	1943			Line Terminal Equipment—Radio and Teletype Control Links. (Part of UF system).
UG–1	CW	1943			Line Terminal Equipment—Radio and Teletype Control Links—Cancelled, all UG.
UH	CW	1943			Radio-Line Terminal—Radio and Teletype (Part of UF system).
UJ	CDU				Loran—Shore Station Timing Equipment.
UK	CDU	1944			Loran—Shore Station Switching Equipment.
UL	CHC	1944			RCM—Production of XCE.
UM	CG	1944			Loran—Shore Station Switching Equipment.
UN	CW	1942			Carrier Control System (42A1–carrier)—For use with telephone or line of sight radio equipment.

RADAR REPEATERS—V SERIES

Model	Contractor	Year	Purpose—remarks
VC	CG	1943	Radar Repeater, Standard.
VC–1	CG	1943	Do.
VD	CRP	1943	Do.
VD–1	CRP	1943	Do.
VD–2	CRP	1943	Do.
VE	CAY	1943	Do.
VE–1	CAY	1944	Radar Repeater, For use by Marcorps.
VF	CRP	1943	Radar Repeater, Precision.
VG	CG	1943	Radar Repeater, Projection.
VG–1	CG	1943	Do.
VG–2	CG	1943	Do.
VG–3	CG	1944	Do.
VG–3	CG	1944	Radar Repeater, Projection—For Marcorps.

COMBINED ECHO RANGING AND ECHO SOUNDING EQUIPMENT—W SERIES

Model	Contractor	Nominal frequency	Projector	Power	Hoist	Train	Purpose—remarks
WAA*	CBM	24 kc	M/S	400 w	Electric	Electric	4 equipments on PC449–452–Combination M/S and R/S plus M/S sounding—(SK–4395 and 4396).
WAB	CBM	24 kc	M/S	400 w	do	do	A/S Vessels separate.—M/S sounding projector.
WAB–1	CBM	24 kc	M/S	400 w	do	do	A/S Vessels separate.—M/S sounding projector.
WAC	CBM	20 kc	M/S	400 w	do	do	A/S Vessels.—One equipment.—M/S sounding projector.
WBA	CBM	ER 18 kc L 14–32 kc.	R/S	20 w	Hydraulic	Hand	Submarines.
WBA–1	CBM	ER 18 kc L 14–32 kc.	R/S	20 w	do	do	Cancelled and reassigned WDA.
WCA	CBM	ER 24 kc L 14–32 kc	M/S; R/S R/S; LR.	400 w 70 w.	do	Electric	Submarines—Dual echo ranging equipment plus echo sounding equipment using M/S driver.
WCA–1	CBM	ER 24 kc L 14–32 kc.	R/S; LR	400 w 70 w.	do	do	Do.
WCA–2	CBM	ER 24 kc L 14–32 kc.	R/S	400 w 70 w.	do	do	Do.
WDA	CBM	ER 24 kc L 14–32 kc	M/S; R/S; LR; R/S.	400 w 20 w.	do	do	Submarines—Dual echo ranging equipment plus echo sounding using R/S driver.
WDA–1	CBM	ER 24 kc L 14–32 kc	M/S; R/S; LR; R/S.	400 w 20 w.	do	do	Do.
WEA	CRV	ER 25 kc L 22–27 kc	M/S R/S Banjo.	200 w	Hand	Hand	A/S Ships—M/S Projector used for sounding directed at mirror in rear of dome. Depth in yards — "Fish dome"—Obsolete.
WEA–1	CRV	ER 25 kc L 17–27 kc.	M/S Banjo	200 w	do	Electric	Small A/S Ships—Sounding features removed—"Fish dome."
WEA–2	CBM	ER 24 kc L 16–30 kc	M/S R/S Banjo.	400 w	do	Hand Flexible cable.	Small A/S Ships—M/S projector sounding feature removed—"Fish dome."
WEA–2a	CBM	ER 24 kc L 16–30 kc	M/S R/S Banjo.	400 w	do	Electric	Small A/S Ships—WEA–2 modified for electric train—(SK–5239B alt.).
WEA–3							Cancelled—Never purchased.

COMBINED ECHO RANGING AND ECHO SOUNDING EQUIPMENT—W SERIES

Model	Contractor	Nominal frequency	Projector	Power	Hoist	Train	Purpose—remarks
WEB	CBM	ER 24 kc L 17–26 kc	M/S	400 w	Hydraulic	Electric	Submarine single M/S ranging M/S sounding.
WFA	CBM	Topside Projector ER 17–46 kc; L 0.1–100 kc.	R/S			do	Submarine—Echo Ranging Listening Sounding—Dual control stacks, includes bottomside dome and retracting gear and topside projector.
		Bottomside Projector ER & L 17–28 kc; Sound 20, 60 kc.			Electric	do	
WFA–1	CBM	Topside Projector ER 17–46 kc; L 0.1–100 kc.	R/S			do	Submarine—Similar to WFA except for dome.
		Bottomside Projector ER & L 17–28 kc; Sound 20, 60 kc.			Electric	do	

NAVAL EXPERIMENTAL EQUIPMENT—X SERIES

Model	Class	Contractor	Year	Nominal power output	Type of frequency control	Type of emission	Frequency range	Purpose—remarks
XA	TR	RA	1926	500 w	CC	A_1	4000–13200 kc	General Service.
		RW	1926				4000–13200 kc	Do.
		RW	1938				4000–18000 kc	Shore—Obsolete.
XB	TR	RA	1925	500 w	CC	A_1	4000–4400 kc; 8000–8800 kc	Army-Marine Corp—Obsolete.
XC	TR	RW	1926	250 w	CC	A_1	4105/8210 kc	General Service—Obsolete.
XD	TR	RA	1927	3.5/10 w	CC	A_1	4205/8410 kc; 12615/16820 kc	Shore—Obsolete.
XE	TR	RA	1928	200 w	CC	A_1	2000–4000 kc; 4000–4525 kc, 8000–9050 kc, 12000–13575 kc, and 16000–18100 kc.	Submarines—Obsolete.
XF	TR	RA	1928	5 kw	CC	A_1	4000–18000 kc	Shore—Obsolete.
XF–1	TR	RA	1929	5 kw	CC	A_1	4000–20000 kc	Ship—Obsolete.
XG	REC	CG	1928				3750–25000 kc	Shore—Obsolete.
XH	TR	RA	1926	50 w	CC	A_1	4000–4525 kc, 8000–9050 kc, 12000–13575 kc, and 16000–18100 kc.	Ship—Obsolete.
XJ	REC	RA	1928				4000–25000 kc	General Service—Obsolete.
XJ–1	REC	RA	1929				4000–50000 kc	Do.
XJ–2	REC	RA	1930				6000–50000 kc	Do.
XK	TR	RA	1929	75 w	CC	A_1	4000–20000 kc	Do.
XL								Sonar Equipment.
XM	DF	RW	1929				300–550 kc	Shore—Obsolete.
XN								Sonar Equipment.
XO	TR	RA	1931	500 w	CV	A_1	2000–4525 kc	Shore (NRL)—Obsolete.
XP	TR	RA	1929	500 w	CC	A_1	14–75 mc	General Service—Obsolete.
XP–1	TR	RA	1930	500 w	CC	A_1	14–75 mc	Do.
XP–2	TR	RA	1931	500 w	CC	A_1	14–75 mc	Do.
XP–3	TR	RA	1931	500 w	CC	A_1, A_2, A_3	6600–8000 kc; 14–75 mc	Do.
XR	REC	RA	1931				12–80 kc	Shore—Obsolete.
XR–1	REC	RW	1931				12–80 kc	Do.
XS	TR	RA	1931	7.5 w	CC	A_2	4155–8310 kc; 3400–24000 kc	Aircraft (on Submarines)—Obsolete.
XT	TR, REC	RA	1932	40 w	CV	A_2	52–55 mc	Aircraft—Obsolete.
XU	REC	RA	1932				15–2000 kc	Shore (NRL)—Obsolete.
XV	REC	RA	1932				42–100 mc	General Service—Obsolete.
XW	REC	RW	1932				4000–5700 kc; 8000–20000 kc	Ship-Shore—Obsolete.
XW–1	REC	RA	1932				4000–5700 kc; 8000–20000 kc	Ship—Obsolete.
XX	DF	RA	1933				12 kc	Modified DH (Static DF)—Obsolete.
XY	REC	RA	1932				155–565 kc	Ship—Radio Control—Obsolete.

NAVAL EXPERIMENTAL EQUIPMENT—X SERIES

Model	Class	Contractor	Year	Nominal power output	Type of frequency control	Type of emission	Frequency range	Purpose—remarks
XZ		RW	1933					Diplex Antenna Coupling Unit—Obsolete.
XZ–1		RW	1935					Do.
XZ–2		RW	1939					Diplex Antenna Coupling Unit—Reassigned Navy Type RW–50088.
XAA		RA	1935					Transmitter Keyer Unit—Obsolete.
XAA–1		RA	1935					Do.
XAB	DF	RM	1936				1500–25000 kc	Adcock System DF—Obsolete.
XAB/RAB	DF	RA	1937				2000–30000 kc	Semiportable HF–DF—Obsolete.
XAB/HRO	DF	RA	1937				2500–30000 kc	Do.
XAB/NC–100.	DF	RA	1937				3500–30000 kc	Do.
XAC		RA	1936					Aircraft Control—Obsolete.
XAD		RA		100 w	CC	A_2	200 mc	Aircraft Beacon.
XAG	TR	RA		5 w	CV	A_2, A_3	85–100 mc	Aircraft—Single and double AM.
XAH	REC	RA					85–100 mc	Aircraft—Used with XAG.
XAJ								Sonar Equipment.
XAK	TR	RW	1937	1 w	CC	A_1	4160 kc	Acoustic Radio Ranging Buoy—Hydrographic Survey—Obsolete.
XAK–1	TR	RW	1937	1 w	CC	A_1	4160 kc	Acoustic Radio Ranging Buoy—Hydrographic Survey.
XAK–2	TR	RW	1939	1 w	CC	A_1	4160 kc	Do.
XAK–3	TR	RW	1939	1 w	CC	A_1	4160 kc	Acoustic Radio Ranging Buoy.
XAK–4	TR	RW	1939	1 w	CC	A_1	4160 kc	Do.
XAL	REC	RW	1937				3500–7500 kc	For use with XAK—Obsolete.
XAL–1	REC	RW	1937				3500–7500 kc	For use with XAK.
XAM								Sonar Equipment.
XAN								Do.
XAN–1								Do.
XAO	TR	RA	1938	15 w	CV	A_1, A_2, A_3	132–156 mc	For use with XAP—Obsolete.
XAP	REC	RA	1938				132–210 mc	For use with XAO & XAQ—Obsolete.
XAQ	TR	RA	1940	50 w	CV	A_2, A_3	132–210 mc	For use with XAP—Obsolete.
XAW	ER	RA	1941	125 w		A_1	15–30 kc	Sonar Equipment—Off Shore—R/S.
XAY	REC	RA	1942				225–400 mc	For use with XAZ.
XAZ	TR	RA	1942				225–400 mc	For use with XAY.
XBE	ER/L	RA	1942	10 w			22 kc–ER; Sonic–L	Sonar Equipment—Echo Ranging-Listening.

XBP		RA	1943	10 w			17–25 kc	Sonar Beacon.
XBQ	REC	RA	1943				100–200 mc	
XBZ	TR	RA	1943				239–250 mc	For use with Model YL and Navy Type RA–46215 Receiver.
XCD		RA	1943					Sonar Equipment—Dual.
XCS	REC	RA	1944				200 to 400 mc	Fighter Direction—Experimental of Model RDZ—For use with TDZ—CC.
XCT	REC	RA	1944				200 to 400 mc	Fighter Direction—Experimental for Model RCW—CV.
XCU	REC; TR	RA	1944			A_2, A_3	225 to 390 mc	Airborne.
XCU–1	REC; TR	RA	1944			A_2, A_3	225 to 390 mc	Portable—Landing craft—Vehicular use.

AIRCRAFT LANDING AND NAVIGATION EQUIPMENT—Y SERIES

Model	Contractor	Year	Nominal power output	Type of frequency control	Type of emission	Range	Purpose—remarks
YA	CDV	1939	100 w	CC	A_2, A_3	300–550 kc	Localizer Beacon Equipment—Obsolete.
YA–1*	CFT	1942	133 w		A_2, A_3	200–550 kc	Localizer Equipment—(627A).
YA–2	CFT	1943	133 w		A_2, A_3	200–550 kc	Localizer Equipment.
YB	CDE	1939					Instrument Landing Equipment (Ground station)—Consists of one Model YC and one Model YD—Obsolete.
YB–1	CDE	1939					Instrument Landing Equipment (Ground station)—Consists of one Model YC–1 and one Model YD–1—Obsolete.
YB–2	CDE	1942					Instrument Landing Equipment (Ground station)—Consists of one Model YC–2 and one Model YD–2—Obsolete.
YB–3	CDE	1943					Instrument Landing Equipment (Ground station)—Consists of one Model YC–3 and two (2) Model YD–3.
YC	CDE	1939					Localizer and Landing Beacon in Truck Trailer—Part of Model YB—Obsolete.
YC–1	CDE	1939					Localizer and Landing Beacon in Truck Trailer—Part of Model YB–1—Obsolete.
YC–2	CDE	1942					Localizer and Landing Beacon in Truck Trailer—Part of YB–2.
YC–3	CDE	1943					Localizer and Landing Beacon in Truck Trailer—Part of YB–3.
YD	CDE	1939				300–800 kc; Beacon	Marker Beacon transported in motorcycle side car—Part of Model YB—Obsolete.
YD–1	CDE	1939				300–800 kc; Beacon	Marker Beacon transported in motorcycle side car or by beep and trailer—Part of Model YB–1—Obsolete.
YD–2	CDE	1942				300–800 kc; Beacon	Marker Beacon transported by beep and trailer—Part of Model YB–2.
YD–3	CDE	1943				75 mc; Beacon	Marker Beacon transported by beep and trailer—Part of YB–3.
YE*	CRV	1939	50 w	CC	A_2	200–250 mc	Ship—(AS–55–15G)—Obsolete.
YE–1	CRV	1941	50 w	CC	A_2	200–250 mc	Ship-Shore.
YE–2	CRV	1942	50 w	CC	A_2	200–250 mc	Do.
YE–3	CRV	1944				200–250 kc	Homing Beacon Equipment same as YE–2 except for controllers.

YF	CDE	1941–43				300–800 kc; Beacon	Semiportable Marker Beacon (Similar to YD–1).
YG	CRV	1942	25 w		A_2	241–251 mc	Ship-Shore.
YG–1	CWS	1943	25 w		A_2	241–251 mc	Do.
YG–2		1944			A_2	241–251 (246) mc	Homing Beacon Equipment same as YG–1 except for addition of true bearing adapter and ten sets of tender spares, five sets stock spares.
YH	CHZ	1942	15 w peak	Manual	Pulse	170–180 mc	Land Beacon used for navigation by radar.
YH–1	CHZ	1942	15 w peak	Manual	Pulse	170–180 mc	Land or Shipboard Beacon used for navigation by radar.
YJ	CHZ	1943	A 15 w	Manual	Pulse	A 170–180 mc	Land or Shipboard Beacon used for navigation by radar.
			B 75 w			B 500–530 mc	
YJ–1	CHZ	1944	A 150 w	Manual	Pulse	A 170–180 mc	Land or Shipboard Beacon used for navigation by radar.
			B 75 w	Manual		B 500–530 mc	
YJ–2	CHZ	1944					Shipboard Beacon used for navigation by radar.
YL	CFT	1943	25 w		A_2	200–250 mc	Ship.
YN	CTF	1943					Radio Beacon Equipment.
YO	CDE	1943					Instrument Low Approach system—Being cancelled.
YP	CG	1944					Ceilometer Equipment—Cancelled, changed to AN/GPQ–2.

AIRCRAFT NAVIGATION AND LANDING EQUIPMENT (AIRBORNE)—Z SERIES

Model	Contractor	Year	Frequency range	Purpose—Remarks
ZA	CDE	1940	88–100 mc	Instrument Landing—Power from RU Series Receivers.
ZB	CW	1940	234–258 mc	Homing Adapters—Power from RU Series Receivers.
ZB–1	CW	1941	234–258 mc	Homing Adapters.
ZB–2	CZR	1942	234–258 mc	Homing Adapters—Reassigned *AN/ARR–1.
ZB–3	CW, CZR	1942	234–258 mc	Do.
ZC	CRV	1940		Altimeter Equipment.
ZC–1	CRV	1940		Do.
ZBX	CW	1942	234–258 mc	Homing Equipment—Reassigned *AN/ARR–2.

Section 3.
SIGNAL CORPS EQUIPMENT

SIGNAL CORPS EQUIPMENT USED BY NAVY—BC SERIES

Model	Contractor	Type of frequency control	Nominal power output (watts)	Type of emission	Frequency range	Purpose—remarks
BC–312	GFN	CV		A_1, A_2, A_3	1,500–18,000 kc	Radio receiver—12 volt power supply.
BC–342	CFN	CV		A_1, A_2, A_3	1,500–18,000 kc	Radio receiver—Same as BC–312 but equipped for 110 volt a-c operation.
BC–606	CW, CFE, CAU, CME.					Interphone Control Box.
BC–610	CHL	CC	400	A_1	2–8 mc	Radio transmitter—Hallicrafter Model—Uses but does not include BC–614B. Part of SCR–299, 399, 499 and MRC–1.
		CV	300	A_3		
BC–614	CHL					Speech amplifier for use with BC–610.
BC–638	CRR	CC		A_2	100–156 mc	Signal generator—Test equipment for BC–639 Receiver—Uses PE–100–A—CC–4 channel.
BC–639	CRR	CV		A_1, A_2, A_3	100–156 mc	Receiver.
BC–640	CRR	CC	50	A_2, A_3	100–156 mc	Transmitter.

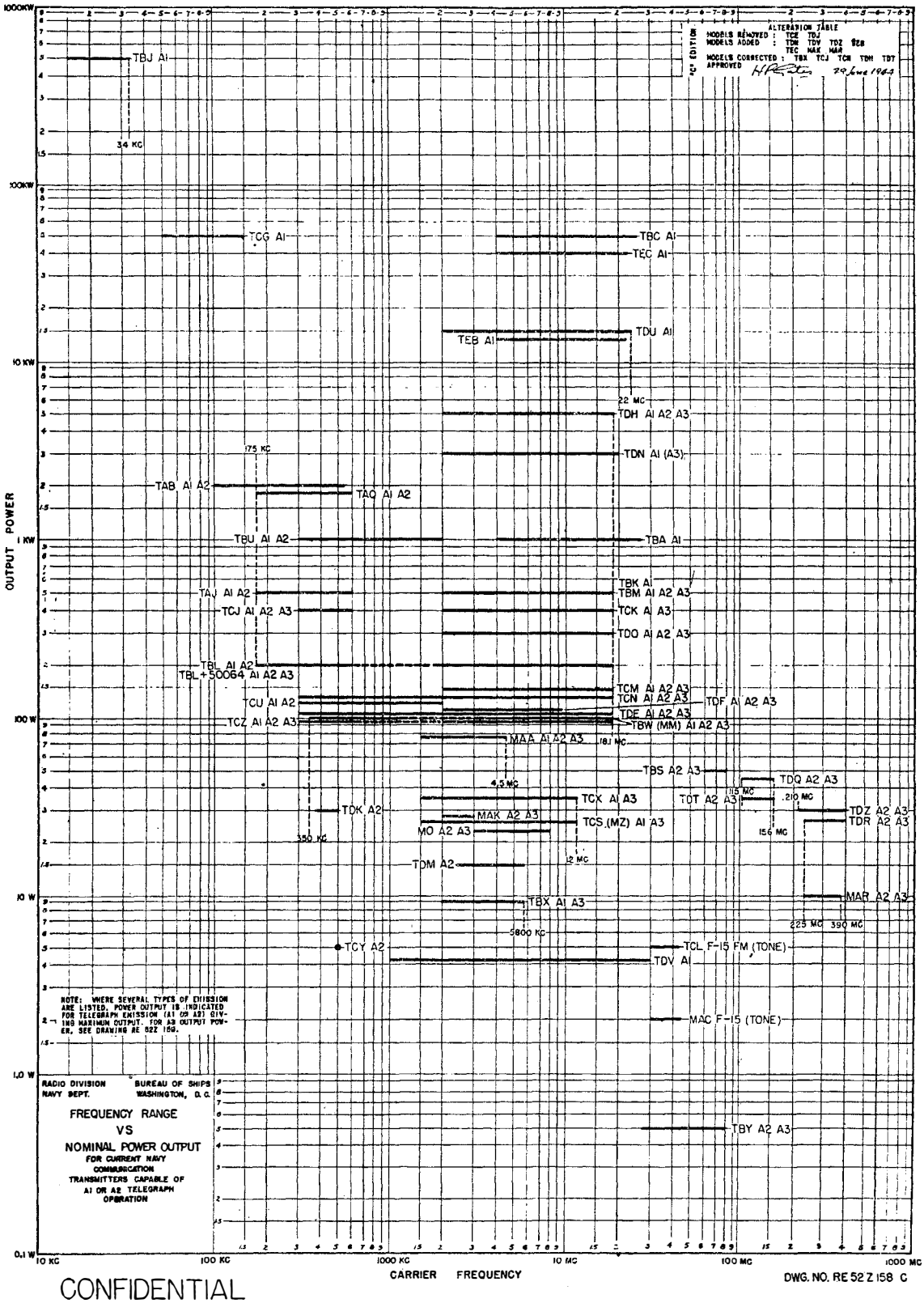
SIGNAL CORPS EQUIPMENT USED BY NAVY—SCR SERIES

Model	Contractor	Type of frequency control	Nominal power output (watts)	Types of emission	Frequency range	Purpose—remarks
SCR–169						Generator-charger (600 w–32 v) for Battery Maintenance.
SCR–177		CV	75	A_1, A_2, A_3	Trans: .4–.8; 1.5–4.5—Recvr: .4–1.0; 1.5–4.5.	Ground radio set.
SCR–188		CV	75	A_1, A_2, A_3	Trans: 1.5–12.5 mc.—Recvr: 1.5–18.0 mc.	Do.
SCR–193		CV	75	A_1, A_2, A_3	Trans: 1.5–4.5 mc.—Recvr: 1.5–1.8 mc.	Shore-Marines—(Used in Navy Model MAA) TR/REC.
SCR–194		CV	75	A_3	27.7–52.2 mc	Communication-walkie talkie.
SCR–195		CV	.5	A_3	52.8–65.8 mc	Do.
SCR–244	CHC	CV		A_1, A_2, A_3	540–20,000 mc	Communication.
SCV–245		CC; CV	10	A_1, A_2, A_3	Trans: 2.0–4.5 mc.—Recvr: 1.5–18.0 mc	Vehicular Radio Set.
SCR–268	CW					Fire Control 3″ and 90 mm A. A. Batteries Search light control.
SCR–268–B	CW					Do.
SCR–268–C						Do.
SCR – 270–B; SCR–270–D; SCR–270–Da.	CAY					General purpose search—Emphasis on aircraft.
SCR – 271–A; SCR–271–D.	CAY					General purpose search.
SCR–277	CFT	CV	800	A_2	200–400 mc	Homing—Range identification group—Mobile portable.
SCR–284	CRO	CC	20	A_1	3.8–5.8 mc	Communication (Command Set)—ground—portable—coast artillery, etc.—infantry.
		CV	5	A_3		
SCR–295	CEX	CV			2.0–5.8 mc	Portable Radio Receiver—Similar to Navy Model RBZ—Paratroops.
SCR–299–A	CHL	CC; CV	400	A_1, A_1, A_3	Trans: 2.0–12 mc	Portable Transmitter-Receiver Equipment—Installed in Truck—110/1/60 AC or PE–95.
			300	A_3	Recvr: 2.0–12 mc	
SCR–299–E	CHL	CC; CV	400	A_1, A_1, A_3	Trans: 2.0–18 mc	Portable Transmitter-Receiver Equipment—Similar to SCR–299A but without truck.
			300	A_1		
SCR–300	CGG	CV	1	FM voice	40–48 mc	Portable Transmitter—Receiver (Walkie-Talkie)—Weight 32 pounds.
SCR–399	CHL	CC; CV	400	A_1	Trans: 2.0–18 mc—Recvr: 2.0–18 mc.	Similar to SCR–299E—Uses 110/1/60 or PE–95.
			300	A_3		

SIGNAL CORPS EQUIPMENT USED BY NAVY—SCR SERIES

Model	Contractor	Type of frequency control	Nominal power output (watts)	Types of emission	Frequency range	Purpose—remarks
SCR-499	CHL	CC; CV	400 300	A_1 A_3	Trans: 2.0–18 mc—Recvr: 2.0–18 mc.	Airborne version of SCR-399—Uses PE-95.
SCR-508	CW	CC; CV	25	FM voice	20.0–27.9 mc	Communication—Interphone Vehicular radio set comparable to commercial police sets—80 channels.
SCR-509	CGG	CC	1.8	FM voice	20.0–27.9 mc	Communication—Portable radio set—Transceiver—80 channels.
SCR-510	CGG	CC	1.8	A3, FM	20.0–27.9 mc	Similar to SCR-509 except vibrator power supply, shock mounting, vehicular antenna microphone and headset suitable for vehicular use are added—80 channels.
SCR-511	CGG	CC	0.75	A_3	3.0–6.0 mc	Portable Transmitter—Receiver—Cavalry—Weight 20 pounds.
SCR-522	CRR	CC	6	A_2, A_3	100–156 mc	Aircraft—Transmitting Equipment—CC-4 channels—28 v. d. c.
SCR-527-A	CG					Ground control of intercepter planes—PPI height finding approximation—Long range search—W/O GCT if properly sited.
SCR-528	CW	CC; CV	25	A_3, FM	20–27.9 mc	Intercommunication Transmitter and Receiver for motor transport and combat vehicles—Same as SCR 508 less one receiver.
SCR-536	CGG	CC	0.015	A_3	3.5–6.0 mc	Paratroops — Portable Transmitter-Receiver—Weight 5½ pounds—Dry cell pack.
SCR-538	CW	CC; CV		A_3, FM	20.0–27.9 mc	Receiver and Interphone Amplifier for motor transport and combat vehicles.
SCR-542	CRR	CC	6	A_2, A_3	Trans: 100–156 mc—Recvr: 100–156 mc.	Aircraft Transmitting and Receiving Equipment—12–14 volts d. c.—CC-4 channel.
SCR-573	CRR	CC	46–51.5	A_2, A_3	100–156 mc	Two transmitting equipments mounted in a 2½ ton truck.
SCR-574	CRR	CV			100–156 mc	Two receiving equipments mounted in truck
SCR-584	CG; CAY					Fire control 90 mm A. A. batteries—Autotrack.
SCR-588-B	CYJ					Ground control of intercepter planes—PPI—Height finding (approximate)—Also used for search if properly sited.
SCR-602A	CYJ					Air transportable, early warning, aircraft detector.

SCR–608	CW	CC	35	A_3, FM	27.0–38.9 mc	Communication (remote control)—Vehicular Set for field artillery—120 channels spaced 100 kcs apart.
SCR–609	CGG	CC	2	A_3, FM	27.0–38.9 mc.	Portable, self-contained, battery operated Radio Transmitter and Receiver—Push buttons selection of two pre-selected frequencies provided.
SCR–610	CGG	CC	2	A_3, FM	27.0–38.9 mc	Vehicular set for field artillery—Communication.
SCR–619	CGM	CC	2	A_3, FM	27.0–38.9 mc	Communication Liaison Portable Set capable of being carried by man on foot, by pack animal or in any field artillery vehicle—Similar to SCR–609 but smaller, lighter and more readily portable.
SCR–624	CRR	CC	8–10	A_3	Trans.: 100–156 mc Recvr.: 100–156 mc.	Transmitting and Receiving Equipment—Air transportable—110/220/1/60—CC–4 channel.
SCR–625	CDT; CAGT	CV				Mine Detector Set.
SCR–627	CG					Ground control of intercepter planes—Height finding (approximation)—Long range search W/O G. C. I., if properly sighted.
SCR–634	CNO	CC	8–10	A_2, A_3	100–156 mc	Air Transportable Radio Direction Finding Equipment—110/1/60 consisting of Accessories, 1—SCR–624 and 1 BC–639. (CC–4 channel)—D/F is CV.
SCR–693	CIY	CC; CV		Vehicular operation: A_1, 25; A_3, 7. Field operation: A_1, 20; A_3, 5.	3.8–6.5 mc	Light weight portable long range set for Infantry paratroopers etc.—2-way communication.
Army SCR–695	CPR					Airborne IFF Transponder.
SCR–729 (ARL)	CPR					Airborne Interrogator-Responsor.
SCR–808	CZR	CV	35	A_3, FM	27–38.9 mc	Radio telephone—Portable ground, mobile.



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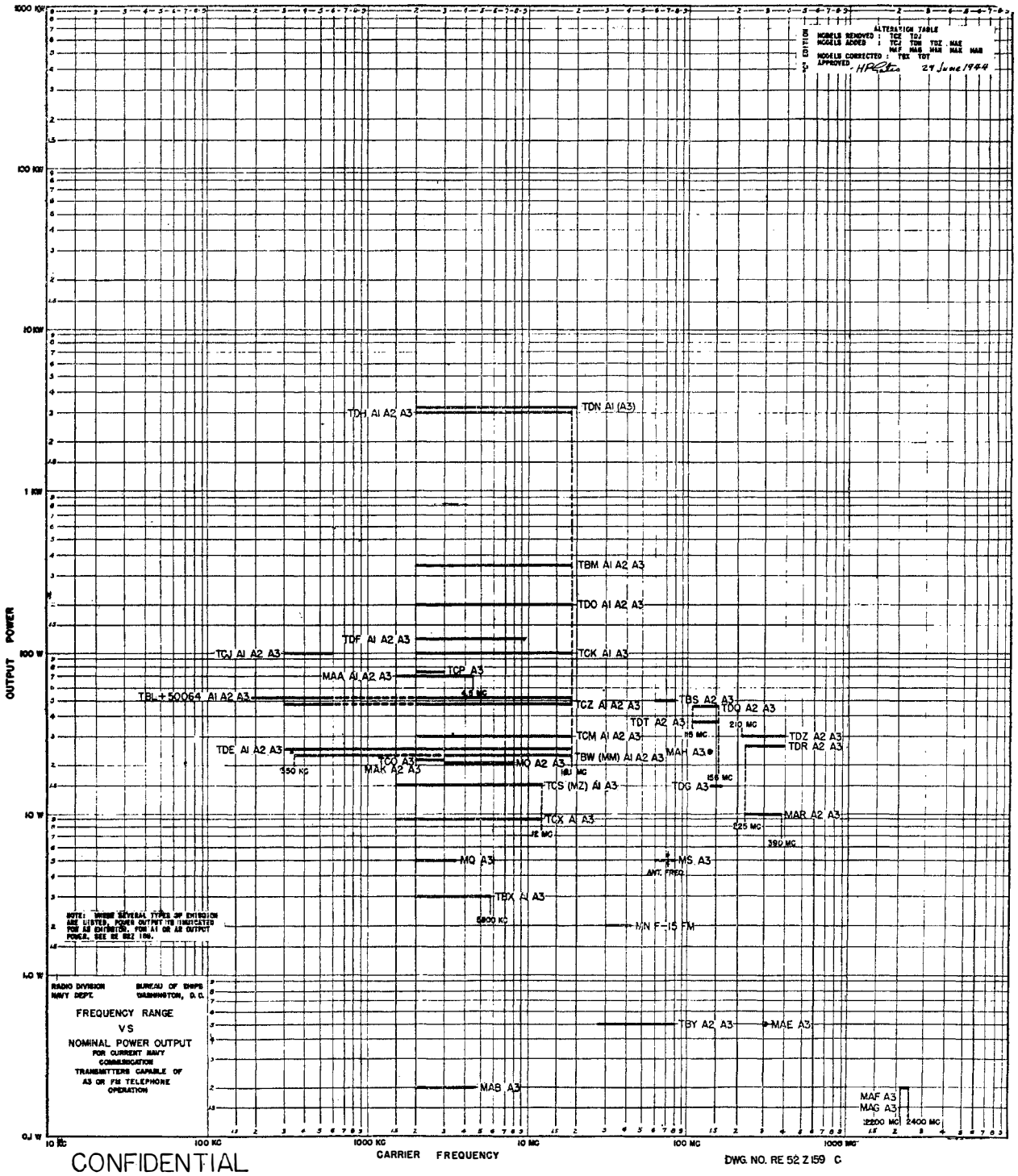

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