## 4-5 SET MODE ADJUSTMENT

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| ENTERING ADJUSTMENT SET MODE | • Enter adjustment set mode:  
  ① Turn power OFF.  
  ② Terminate the [REMOTE] jack with a 3.5(d) mm mini-plug.  
  ③ While pushing [P.AMP/ATT] and [TUNE/CALL], turn power ON. | ![USBCONFIG](image) | Push [F-3 (TX)] to enter the TX adjustment setting mode.  
Then advance to the following setting, or push [UP]/[DN] to scroll the display. |
| Id APC                     | • Connect an RF power meter to [ANT1] connector.  
  • Connect a DC ammeter between the DC power supply and transceiver’s DC power socket (P601 on the PA unit).  
  • Transmit using an external PTT switch. | ![SET IdAPC](image) | Set a total current at 15 A by adjusting R1125 on the MAIN board.  
Push [MENU] to set the “SET IdAPC” after returning receiving condition. |
| FILTER CALIBRATION         | • Connect an RF power meter to [ANT1] connector. | ![GO FILTER CAL](image) | Push and hold [MENU (GO)] to make the calibration.  
• Transceiver transmits for a while. |
| POWER METER (14 MHz)       | • Connect an RF power meter to [ANT1] connector.  
  • Transmit using an external PTT switch. | ![SET 90%](image) | Set to 90 W using [MAIN DIAL], then push [MENU] while transmitting. |
|                            | 2 • Transmit using an external PTT switch. | ![SET 50%](image) | Set to 50 W using [MAIN DIAL], then push [MENU] while transmitting. |
| TUNING POWER (14 MHz)      | • Connect an RF power meter to [ANT1] connector.  
  • Transmit using an external PTT switch. | ![SET TUNE Po](image) | Set to 10 W using [MAIN DIAL], then push [MENU] while transmitting. |
| (60 MHz)                   | 2 • Transmit using an external PTT switch. | ![SET TUNE Po](image) | Set to 10 W using [MAIN DIAL], then push [MENU] while transmitting. |
| POWER METER (145 MHz)      | • Connect an RF power meter to [ANT2] connector.  
  • Transmit using an external PTT switch. | ![SET 90%](image) | Set to 45 W using [MAIN DIAL], then push [MENU] while transmitting. |
|                            | 2 • Transmit using an external PTT switch. | ![SET 50%](image) | Set to 25 W using [MAIN DIAL], then push [MENU] while transmitting. |
| POWER METER (430 MHz)      | • Connect an RF power meter to [ANT2] connector.  
  • Transmit using an external PTT switch. | ![SET 90%](image) | Set to 18 W using [MAIN DIAL], then push [MENU] while transmitting. |
|                            | 2 • Transmit using an external PTT switch. | ![SET 50%](image) | Set to 10 W using [MAIN DIAL], then push [MENU] while transmitting. |
| ALC METER                  | • Connect an RF power meter to [ANT1] connector.  
  • Connect an audio generator to [MIC] connector and set as :  
  ① Level : 1.5 kHz/30mV  
  ② Transmit using an external PTT switch. | ![ALC START](image) | Push and hold [MENU] to set ALC reference level while transmitting. |
| SWR METER                  | 1 • Connect a 50 Ω dummy load or power meter to [ANT1] connector. | ![SWR 1 LOAD](image) | Push [MENU] to set SWR reference level.  
• The display returns to the same as the ADJUSTMENT SET MODE above. |
|                            | 2 • Connect a 50 Ω dummy load or power meter to [ANT1] connector. | ![SWR 2 LOAD](image) | Push [MENU] to set SWR2 level.  
The display returns to the same as the ADJUSTMENT SET MODE above. |

Push [F-1 (EXIT)] to exit adjustment set mode.
## SET MODE ADJUSTMENT (continued)

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| ENTERING ADJUSTMENT SET MODE | 1. Enter adjustment set mode:  
   ① Turn power OFF.  
   ② Terminate the [REMOTE] jack with a 3.5(d) mm mini-plug.  
   ③ While pushing [P.AMP/ATT] and [TUNE/CALL], turn power ON. | ![Set F1 RX TX](image) | Push [F-2 (RX)] to enter the RX adjustment setting mode. Then advance to the following setting, or push [UP]/[DN] to scroll the display. |
| SENSITIVITY | 1. Connect a standard signal generator to [ANT2] and set as:  
   Frequency: 60.05150 MHz  
   Modulation: OFF  
   Receiving | ![VHF1 BPF1 L](image) | Push [F-2 (RX)] to enter the RX adjustment setting mode. Then advance to the following setting, or push [UP]/[DN] to scroll the display. |
| 2. | | ![S0 LEVEL](image) | Set a connected SSG's level at 10 dB of S/N ratio with AC millivoltmeter. |
| 3. Same operation as step 2 for the listed BPFs.  
   • Set an SSG as:  
   - Modulation: OFF  
   - VHF1 BPF2 L: 60.05150 MHz  
   - VHF1 BPF1 M: 90.50150 MHz  
   - VHF1 BPF2 M: Same as left  
   - VHF2 BPF1 L: 129.1015 MHz  
   - VHF2 BPF2 L: Same as left  
   - VHF2 BPF1 M: 145.1515 MHz  
   - VHF2 BPF2 M: Same as left  
   - VHF2 BPF1 H: 170.0015 MHz  
   - VHF2 BPF2 H: Same as left  
   - UHF BPF1 L: 400.0015 MHz  
   - UHF BPF2 L: Same as left  
   - UHF BPF1 M: 435.1515 MHz  
   - UHF BPF2 M: Same as left  
   - UHF BPF1 H: 470.0015 MHz  
   - UHF BPF2 H: Same as left  
   Receiving | ![S9 LEVEL](image) | Push [F-1 (EXIT)] to exit adjustment set mode. |
| S-METER | 1. Connect an SSG to [ANT1] connector and set as:  
   Frequency: 14.1515 MHz  
   Level: OFF  
   Receiving | ![S0 LEVEL](image) | Push [F-1 (EXIT)] to exit adjustment set mode. |
| 2. Set an SSG as:  
   Level: 50 µV (~73 dBm)  
   Modulation: OFF  
   Receiving | ![S9 LEVEL](image) | Push [F-1 (EXIT)] to exit adjustment set mode. |
| 3. Set an SSG as:  
   Level: 50 mV (~13 dBm)  
   Modulation: OFF  
   Receiving | ![+60dB LEVEL](image) | Push [F-1 (EXIT)] to exit adjustment set mode. |
|  | | | The display returns to the same as the ADJUSTMENT SET MODE above. |