

HF antenna V101

Purpose and general information

The V101 antenna is stationary with minimum dimensions for roof mounting and requires an area of about 300 sq.m. It is intended to operate together with transceivers within the frequency range from 1.5 to 30 MHz and no special orientation is required when it is being installed.

It can be used for transmitting and receiving signals at short and medium distances. The antenna is particularly efficient at correspondent's remoteness less than 1500 km.

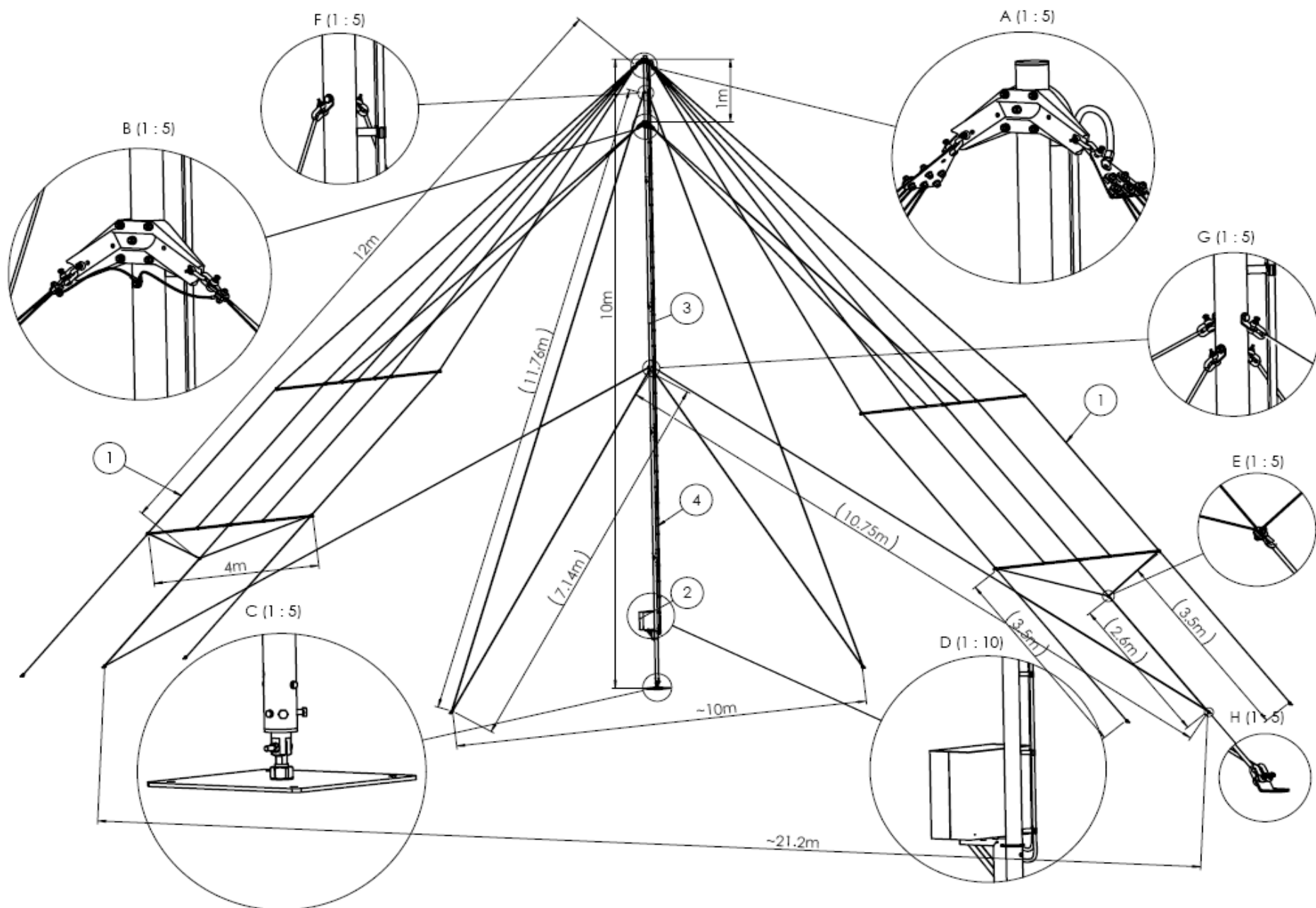
Antenna set

The antenna consists of the following main components:

- Antenna legs /1/ - 2 pc/s. Made of steel ropes, steel hardware, aluminum tubings and fixtures connecting ropes and tubings. Each antenna leg is 12 m long.
- Antenna mast /3/ - 1 pc and guying wires. The antenna mast is 10 m long; the separate sections are mounted telescopically one over another. The length in fully lowered position for transportation is 2.5 m.

Mechanical characteristics

Dimensions	According to Fig. 1
Weight of antenna legs	9.5 kg
Antenna mast weight	14 kg
Working temperature range	from -30 C to +55 C
Humidity	95%
Wind load	≤140 km/h (without icing)



V101 Fig. 1