

Information Sheet

20m 2 Element Compact Beam Antenna: Model 20MBA 01



Summary: This compact 14 - 14.35MHz two-element wire beam antenna is aimed at portable use or where the space available is at a premium. The antenna is straight forward to set-up and disassemble after use. The antenna is designed to be clamped to a mast. Once disassembled, it fits into a space of approximately 50cm x 1m x 2m. 50Ω Co-axial cable connects the antenna with a transceiver.



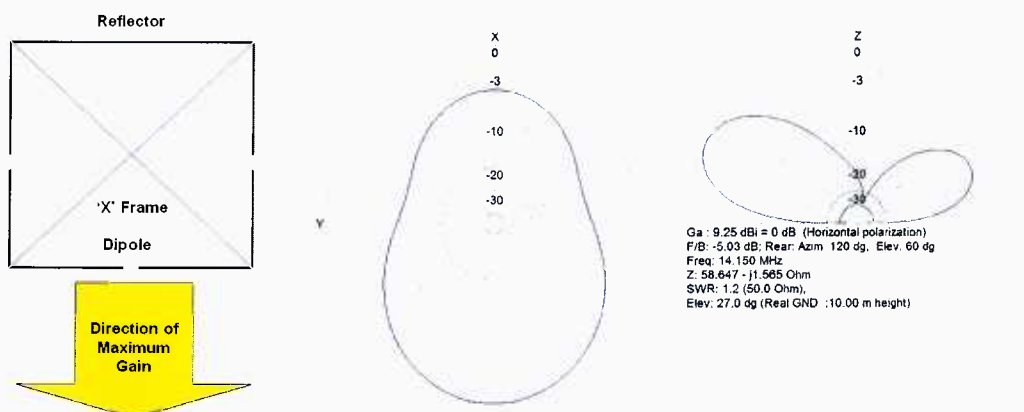
The Antenna Installed for Use

Antenna's Key Features:

- 5.3m by 5.3m square profile when set-up.
- Better than 2dBd when measured.
- Better than 12dB front to back difference when measured.
- Optimised for 14.2MHz with 200w SSB or 50w FM/CW capability.
- VSWR of better than 1.5:1 at 14.345MHz and 14.050MHz when measured.
- Connection to transceiver uses 50Ω co-axial cable.
- Antenna can be removed from the "X" frame for storage.
- When disassembled, "X" frame fits into a space of about 50cm x 1m x 2m.
- "X" frame legs can be locked in place as required.
- Lightweight sturdy construction but weighing only about 9.5kg.
- Supplied with RG58 cable and PL259 plug.

Recommendation: The antenna should be operated with a suitable Aerial Tuning Unit to optimise VSWR.

Performance: The antenna's predicted performance at a height of 10m is illustrated as a polar diagram and with the antenna horizontally polarised.



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