

DF Antenna

800 – 3000 MHz

Product Code: DF-A0020

SPECIFICATIONS:



| Electrical: | |
|--|--|
| Frequency range | 800 – 3000 MHz, reduced performance below 1 GHz |
| Nominal input impedance | 50 Ω |
| Antenna type | 5-element DF interferometer |
| Strong signal DF accuracy | < 1° RMS |
| Gain typical | 0 dBi |
| Polarisation | Vertical |
| Mechanical: | |
| Dimensions (h x d) | 550 mm x 300 mm |
| Weight | 10 kg |
| Mounting method | Fixed mounting flange for mast or mobile mounting |
| Material | Aluminium, fibreglass |
| Environmental: designed to meet the following specifications | |
| Wind loading | 0.3 m ² |
| Temperature (operational) | - 31 °C to +65 °C |
| Water ingress rating | IP67 |
| Wind survival | 160 km/h |
| UV stability BS 3900; Part F16, method A. Lamps: UVB (313): total duration 500 h | Product exceeds requirements set out by the British Standard |

FEATURES:

- Highly versatile
- Accurate DF applications
- Vertical polarisation
- Easy to assemble and disassemble
- Rugged construction

APPLICATIONS:

- Mobile and fixed DF applications

PRODUCT DESCRIPTION:

The DF-A0020 direction finding antenna from Alaris Antennas originates from the well-established DF-A0001 wideband DF antenna. This antenna is the highest-frequency set, which works well from 800 to 3000 MHz. It is suitable for quick deployment as well as fixed applications.

The 5-element interferometer antenna is located inside a radome with the electrical connections for the five channels being available near the base as depicted or via the centre of the mast as required. These can then be terminated into an ASU or extended for direct connection into a receiver.

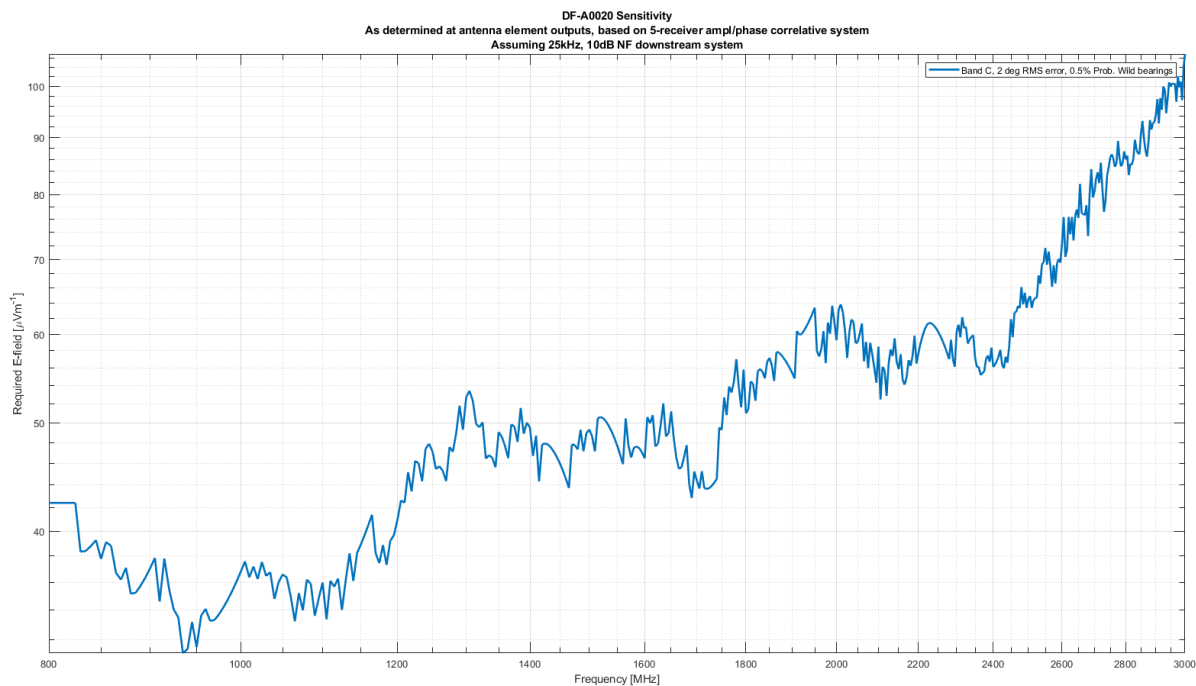
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VERSION: 2.6

SENSITIVITY PLOT:



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