

High power DAB omni antenna, 3 dBd, 208-235MHz

DESCRIPTION

The 470 Series of glassfibre omni antennas are designed for wide band, particularly military and ground-to-air applications. The antennas are well suited to the most demanding applications both physically and environmentally, and have been engineered for optimal performance over a bandwidth greater than 50% of their centre frequency. Available in single dipole, multidipole and colinear versions.

- Former Skymasts brand product.

SPECIFICATIONS

| Electrical | |
|-------------------------|--|
| Frequency | 208 - 235 MHz |
| Max. Input Power | 1.5kW |
| Omni Deviation | < ± 1 dB |
| Polarisation | Vertical |
| 3 dB Beamwidth, E-Plane | 40 ° |
| 3 dB Beamwidth, H-Plane | Omnidirectional |
| Impedance | 50 Ω |
| Gain | 3 dBd (5.2 dBi) |
| VSWR | < 1.25:1 |
| Antistatic Protection | All metal parts DC-grounded (Connector shows a DC-short) |

| Mechanical | |
|--------------------------|--|
| Radiating Element(s) | 120 mm dia. aluminium tube |
| Connection(s) | 7/16 DIN(f) |
| Radiator Feed | PTFE dielectric coaxial cable |
| Radome Material / Colour | GRP tube dark green, 128mm dia. |
| Length | 2300 mm / 90.55 in. |
| Wind Load | 438 N (160km/h) |
| Weight | 6 kg / 13.23 lb |
| Mounting | Aluminium mounting pole section, ø50.8 mm / ø2 in. |

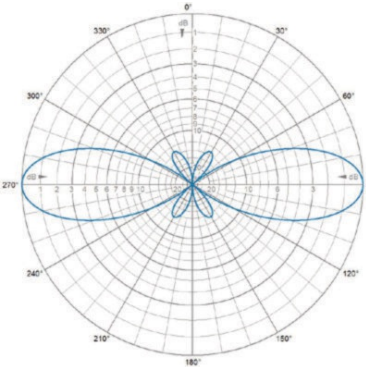
ORDERING

| Model | Product No. | Frequency |
|--|--------------|---------------|
| High power DAB omni antenna, 3 dBd, 208-235MHz | 470.34.33.00 | 208 - 235 MHz |



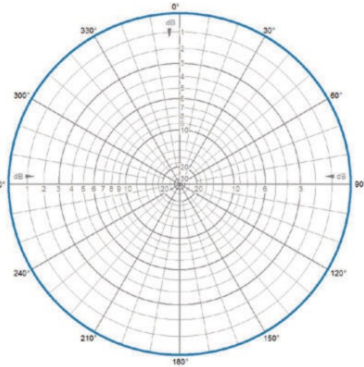
DIAGRAM

RADIATION PATTERNS



E-Plane | 222 MHz

RADIATION PATTERNS



H-Plane | 222 MHz