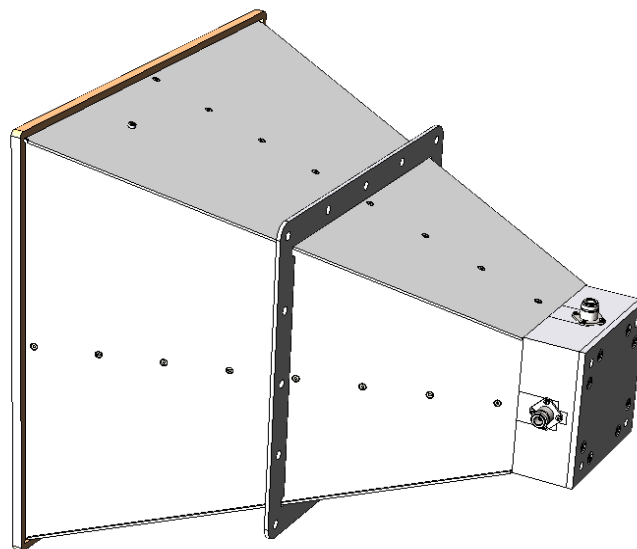


0.5 - 4 GHz Dual Linearly Polarised Wideband Ridged High Gain Antenna fitted with N type Connectors and a Radome

Catalogue number **QWH-DL-0.5-4-N-SG-R**

Steatite reference **QMS-00826**

Contents **Summary**
Typical Gain / Antenna Factor
Typical Beamwidth / Patterns
VSWR

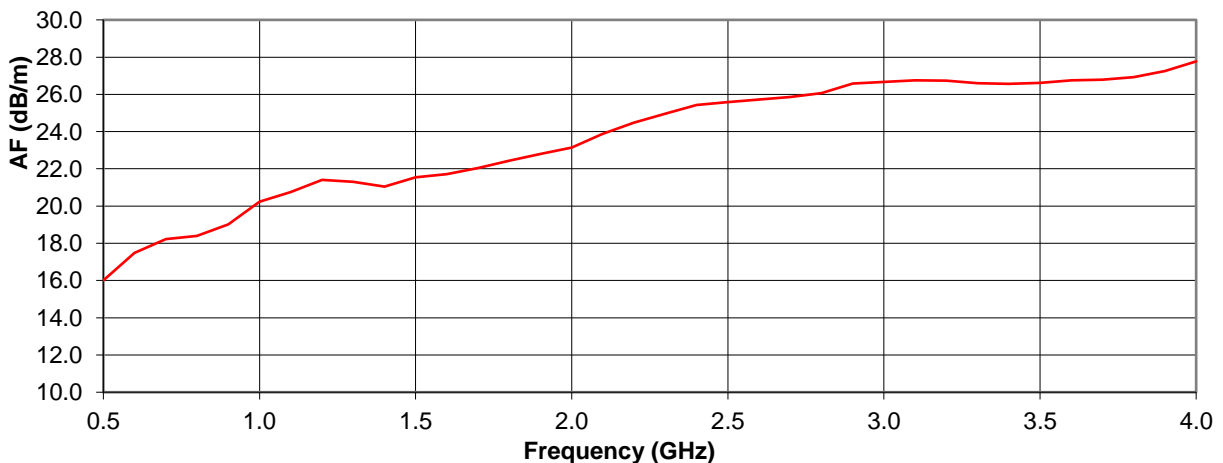
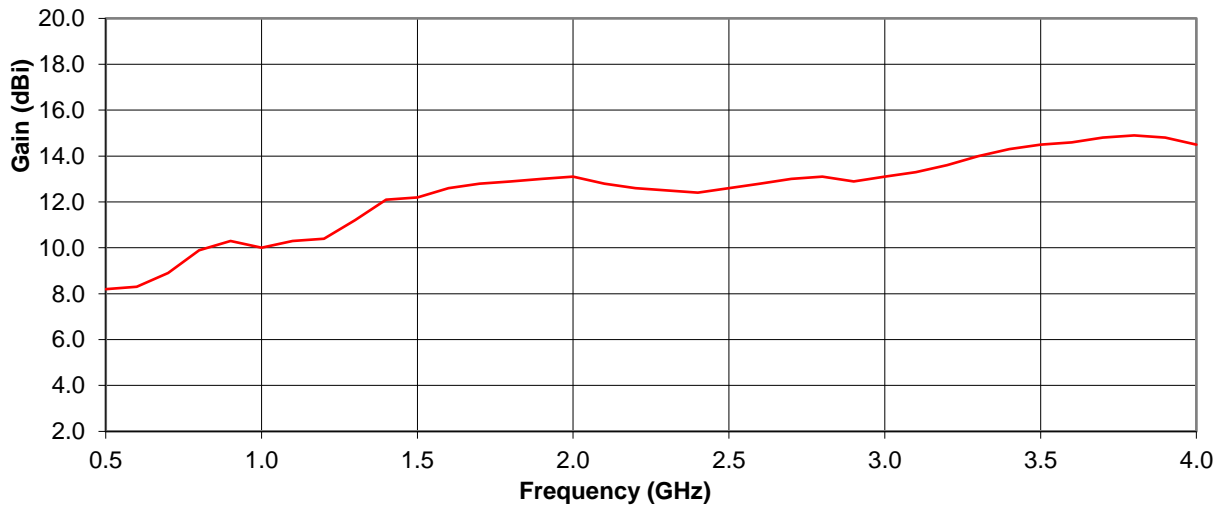


Typical Specification

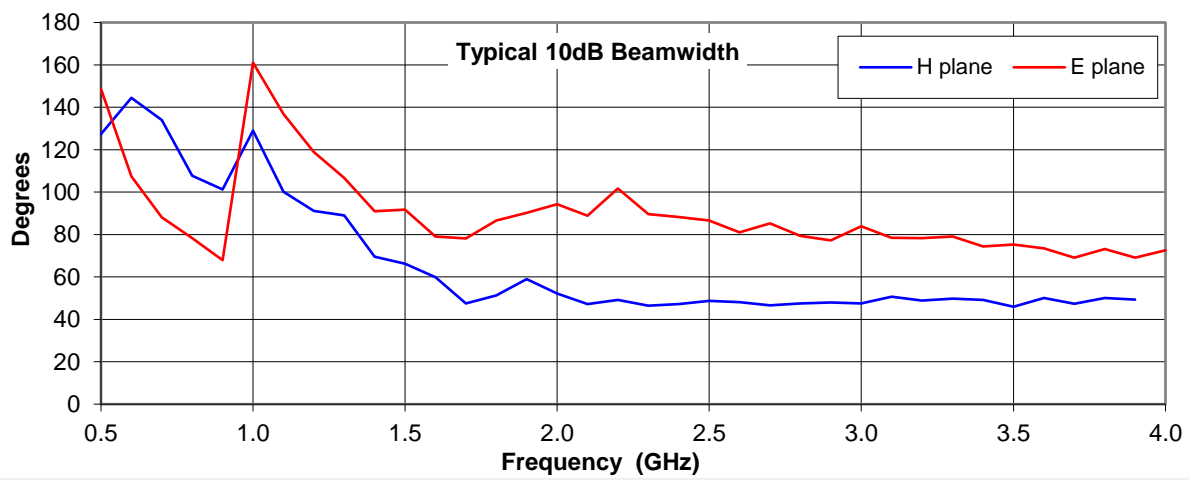
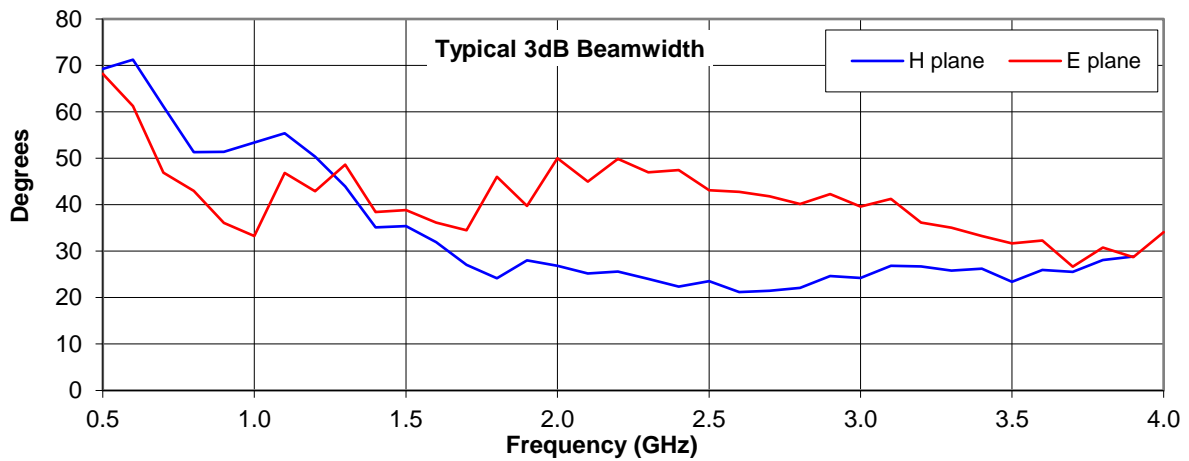
Frequency	0.5 to 4 GHz
Connector Type	2 x N type jack
Power Handling	100 watt c.w.
VSWR	Typically < 2:1, 3:1 maximum
Gain	8.2 to 14.9 dBi
Antenna Factor	16 to 27.8 dB/m
3dB Beamwidth	21 to 71 degrees
10dB Beamwidth	46 to 161 degrees
Weight	8.2 kg nominal
Maximum Size	427 x 427 mm aperture x 506 mm long
Mounting	4 holes in a square pattern, tapped M8, 106 mm centres
Construction	Aluminium, painted

Typical Antenna Gain / Factor

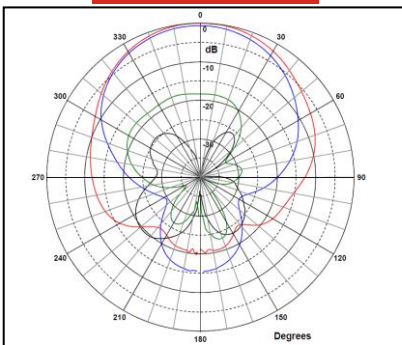
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



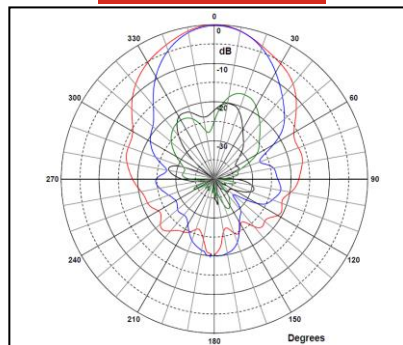
Typical Beamwidth / Radiation Patterns



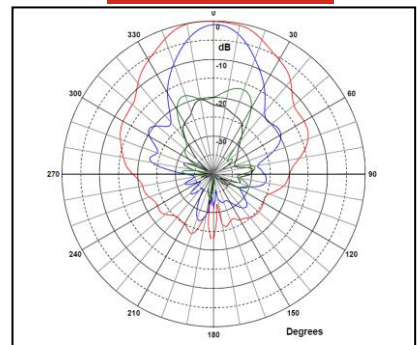
0.5 GHz



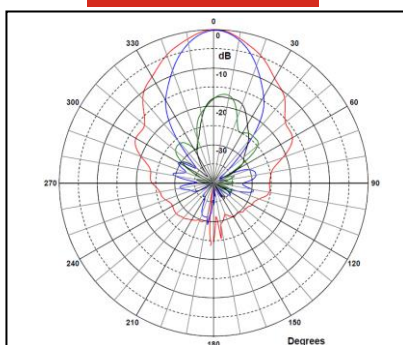
1.5 GHz



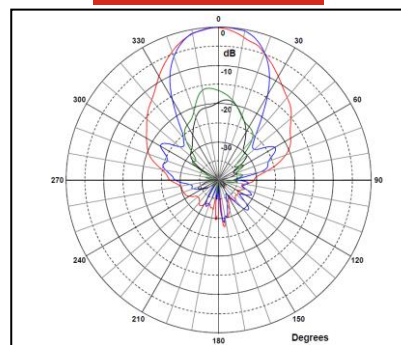
2.5 GHz



3.5 GHz



4.0 GHz



Red trace = E-plane, Blue trace = H-plane cut