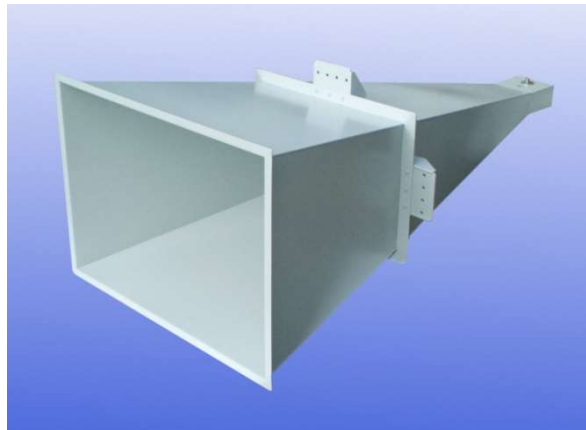


1.1 - 1.7 GHz Linearly Polarised 20 dBi Horn Antenna fitted with an N type Connector

Catalogue number **QSH-SL-1.1-1.7-N-20**

Q-par reference **QMS-00080**

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

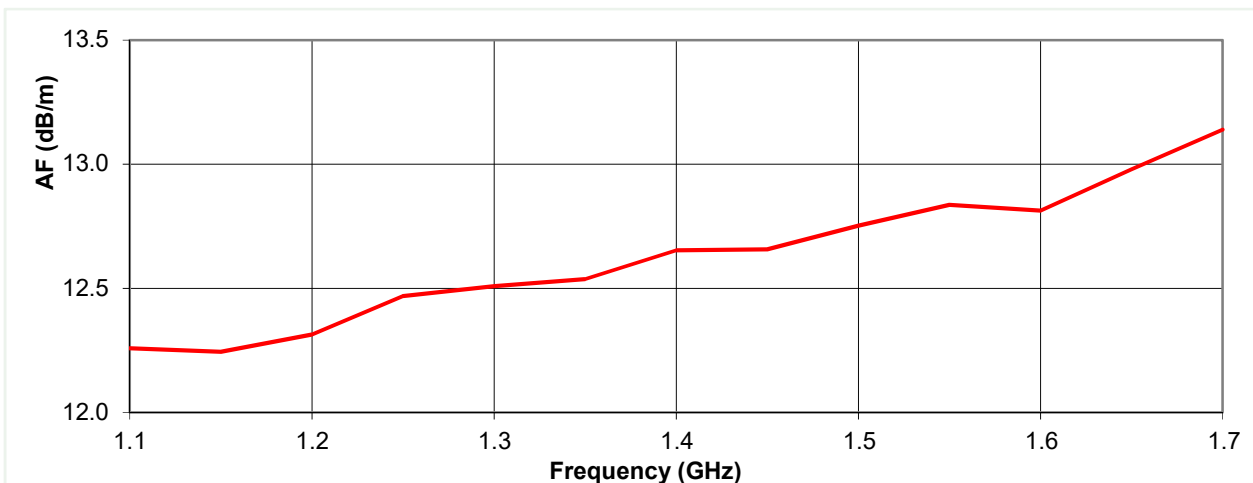
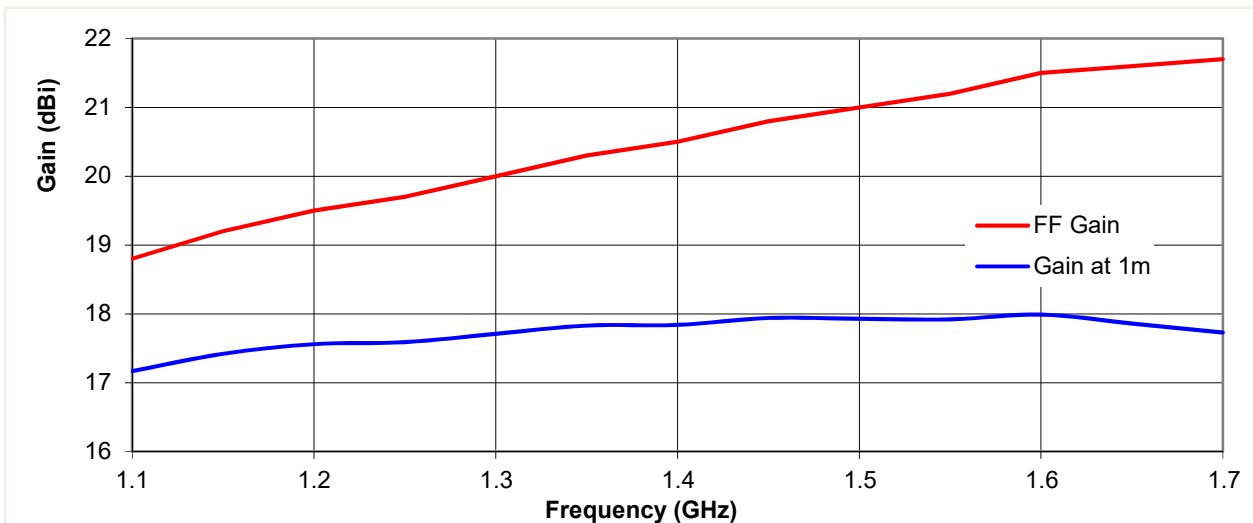


Typical Specification

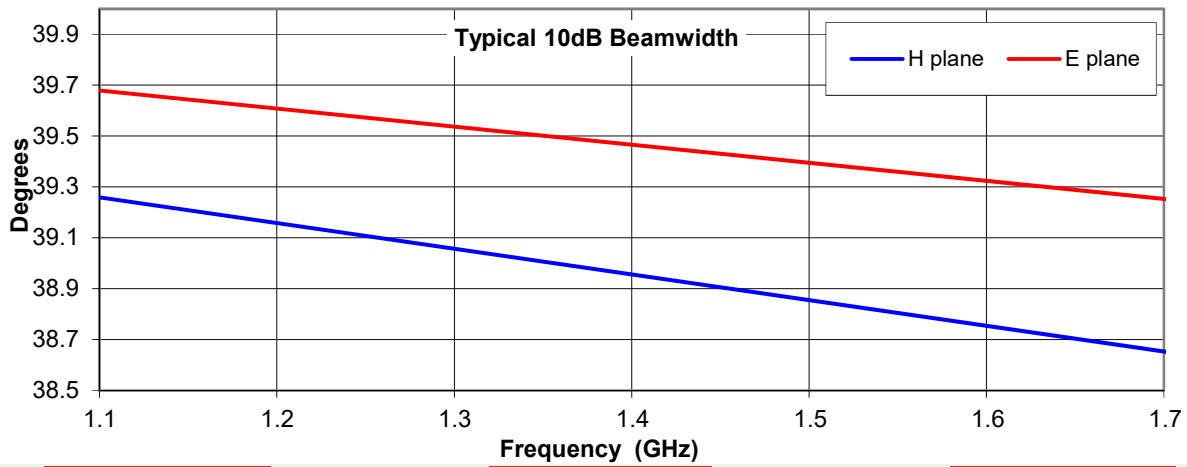
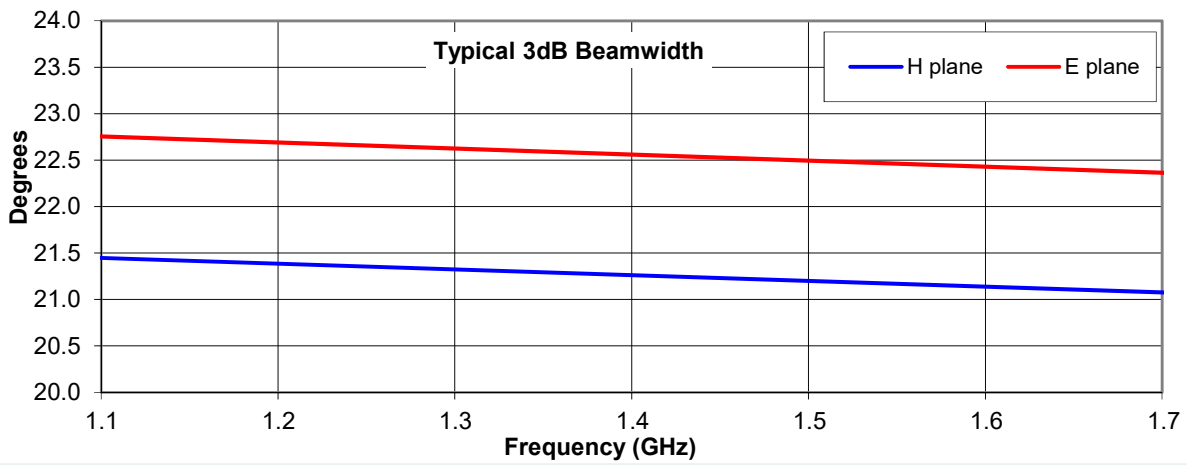
Frequency	1.1 to 1.7 GHz
Connector Type	N type jack
Power Handling	300 Watt c.w.
VSWR	< 1.4 :1
Gain	18.8 to 21.7 dBi
Antenna Factor	12.2 to 13.1 dB/m
3dB Beamwidth	14 to 21 degrees
10dB Beamwidth	25 to 37 degrees
Weight	27 kg nominal
Maximum Size	940 mm x 674 mm external aperture x 1800 mm long
Mounting	Mounting bracket on two sides, at centre of gravity. Each having 4 holes, diameter 10 mm, 40 mm centres
Construction	Welded aluminium. Powdercoat finish.

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.



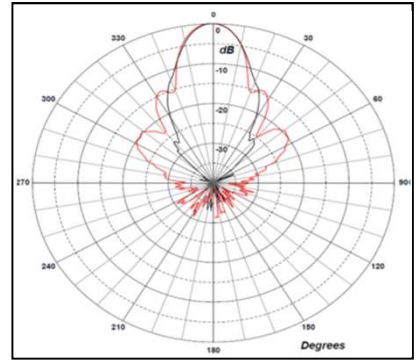
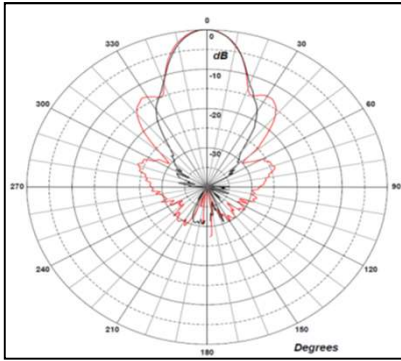
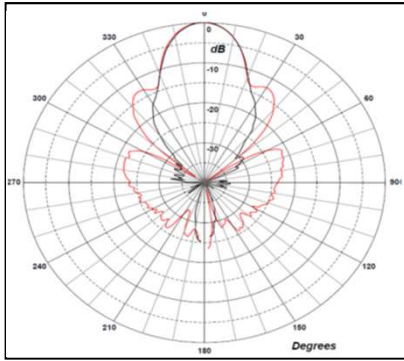
Typical Beamwidth / Radiation Patterns



1.1 GHz

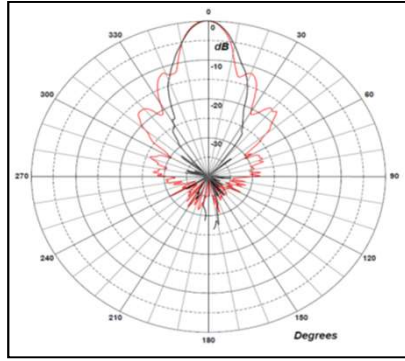
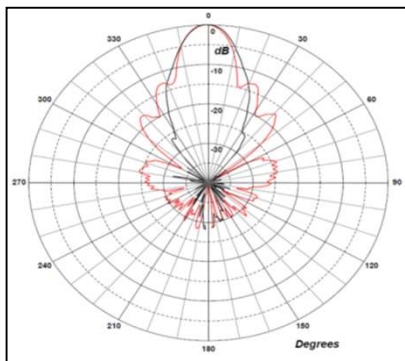
1.2 GHz

1.4 GHz



1.6 GHz

1.7 GHz



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

