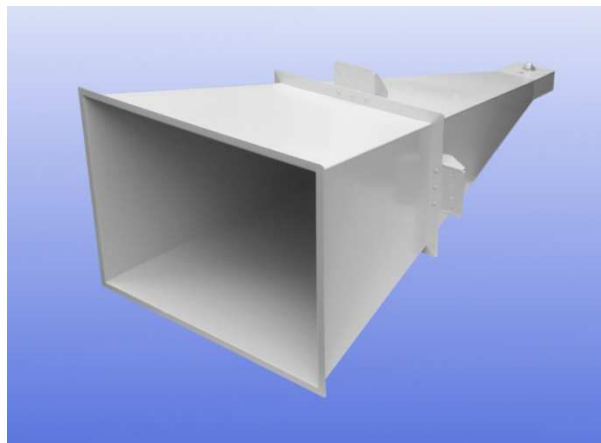


1.1 - 1.7 GHz Linearly Polarised 20 dBi Horn Antenna fitted with an 7:16 DIN type Connector

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

Q-par reference **QMS-00834**

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

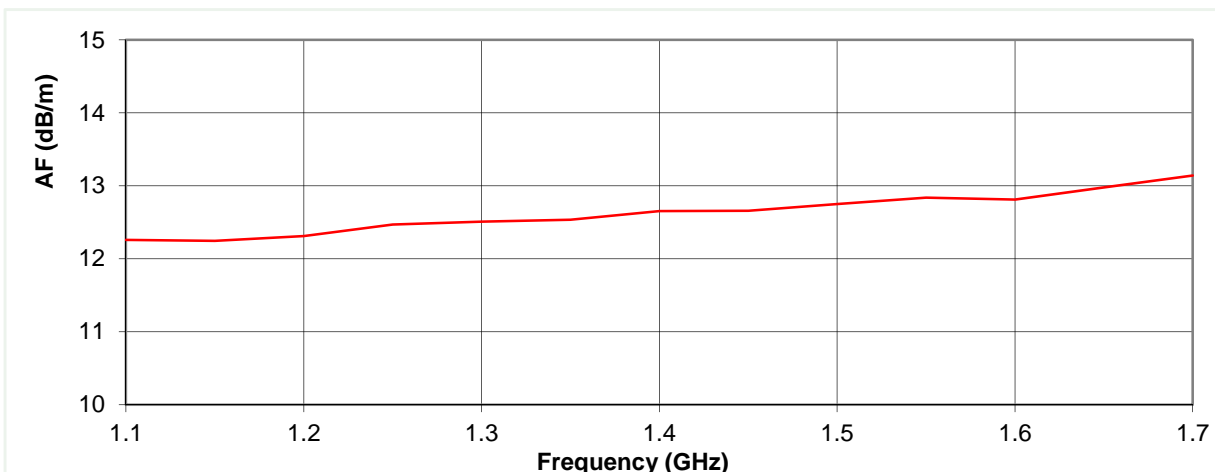
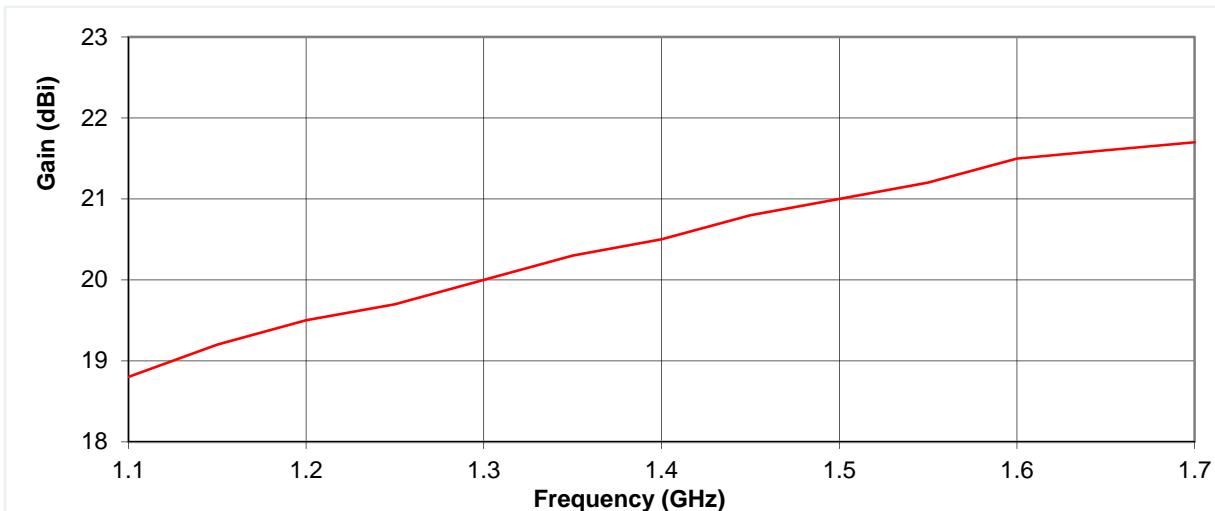


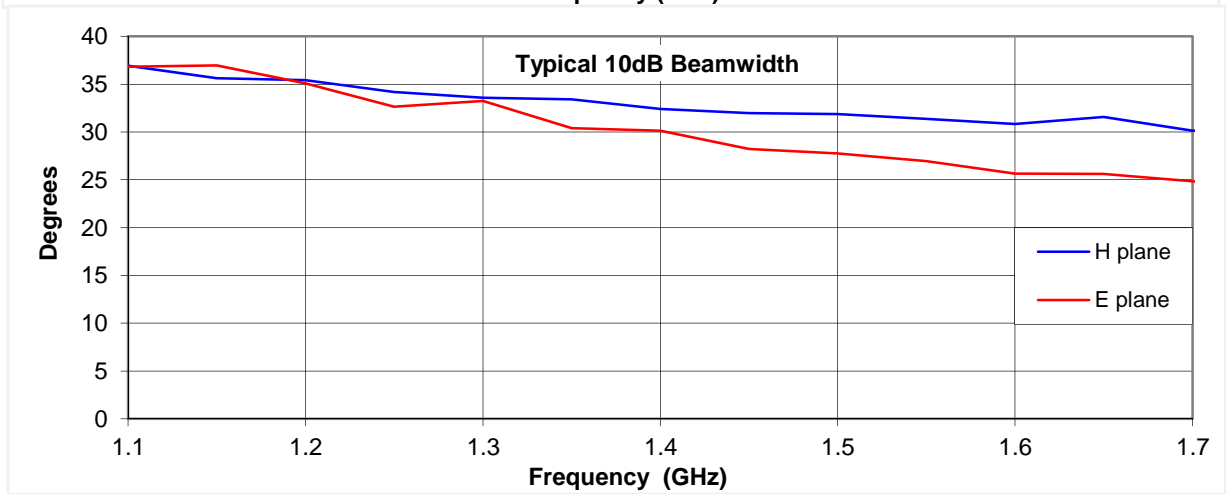
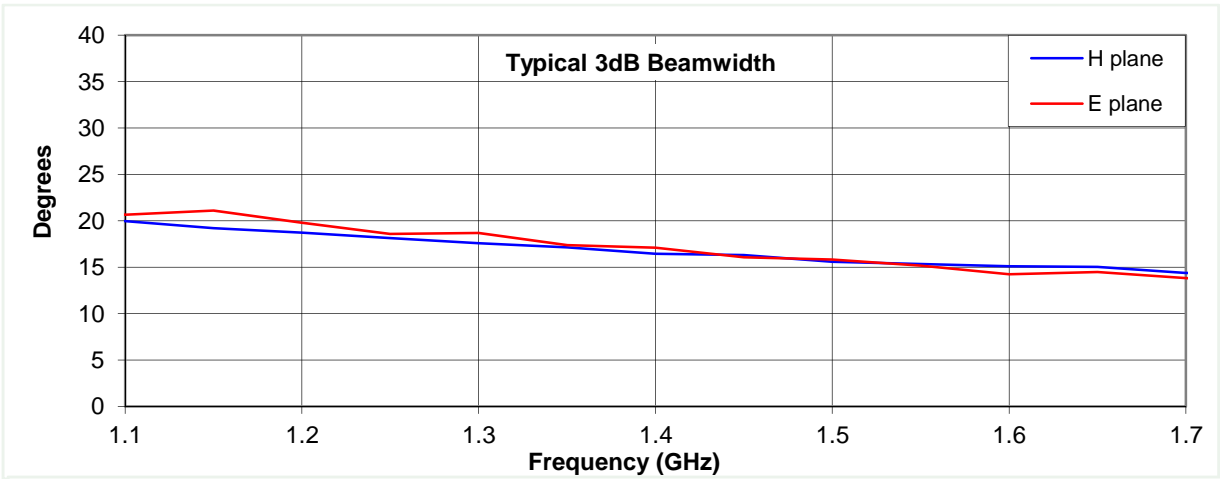
Typical Specification

Frequency	1.1 to 1.7 GHz
Connector Type	7:16 DIN type jack
Power Handling	1 kW c.w.
VSWR	Typically < 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 1821 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.

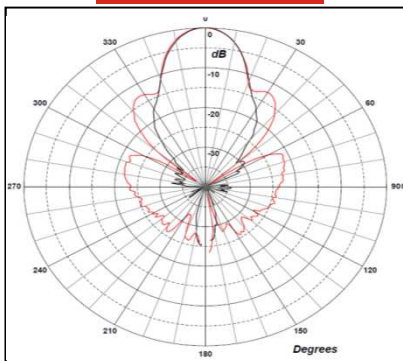
Typical Antenna Gain / Factor

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.

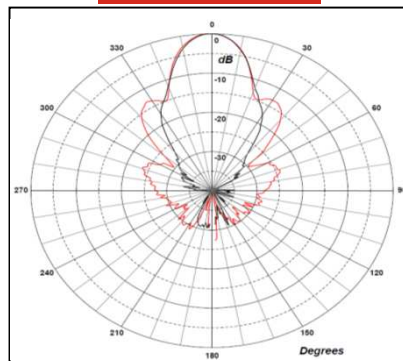




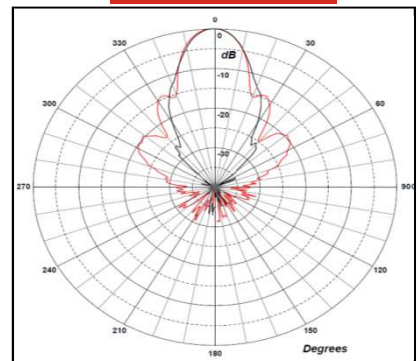
1.1 GHz



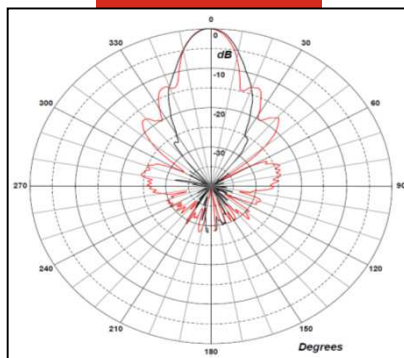
1.2 GHz



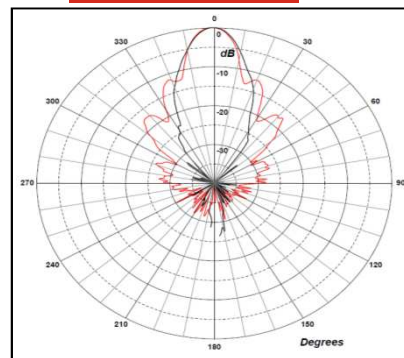
1.4 GHz



1.6 GHz



1.7 GHz



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

