

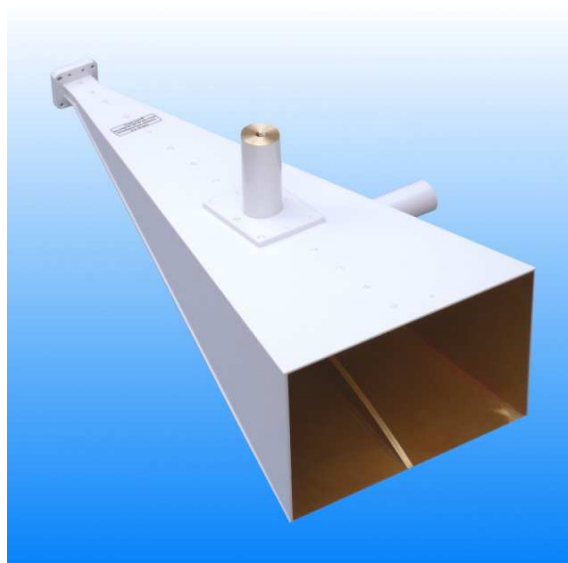
Wideband Ridged Horn Antenna 20 dBi 7.5 to 18 GHz

WRD750

Catalogue number: **QWH-SL-7.5-18-F-20**

Q-par reference: **QMS-00294**

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



SD 25/02/2014 2858

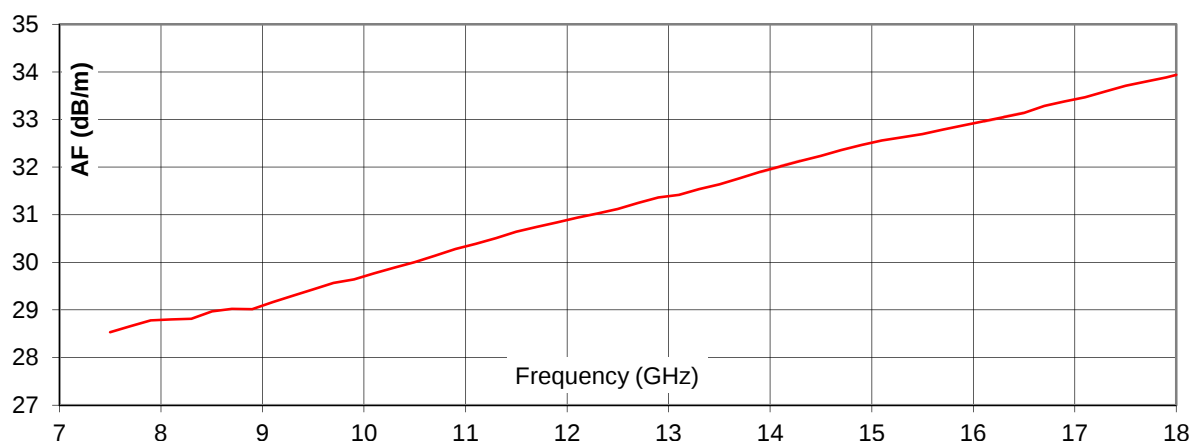
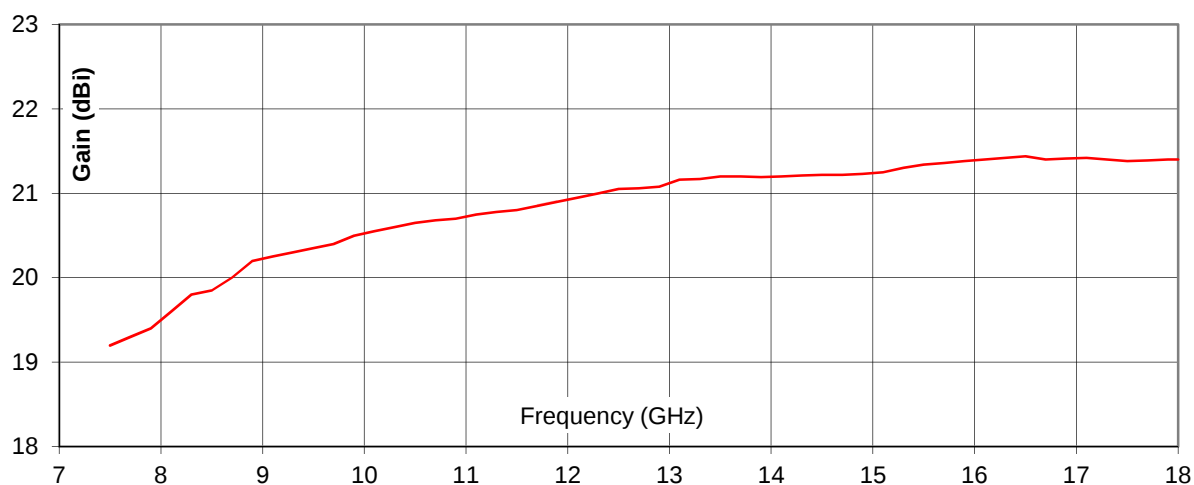
Test Report

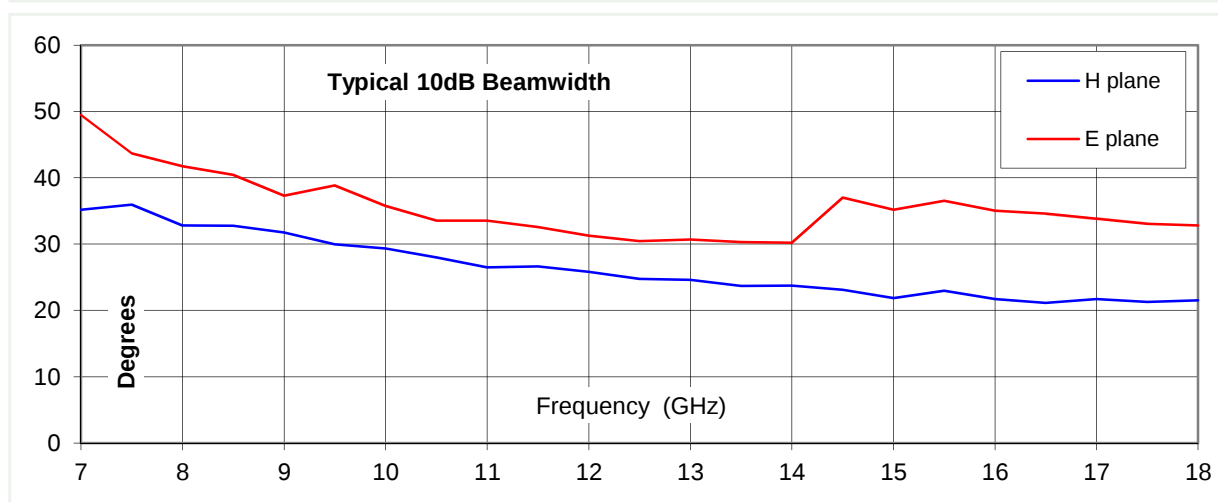
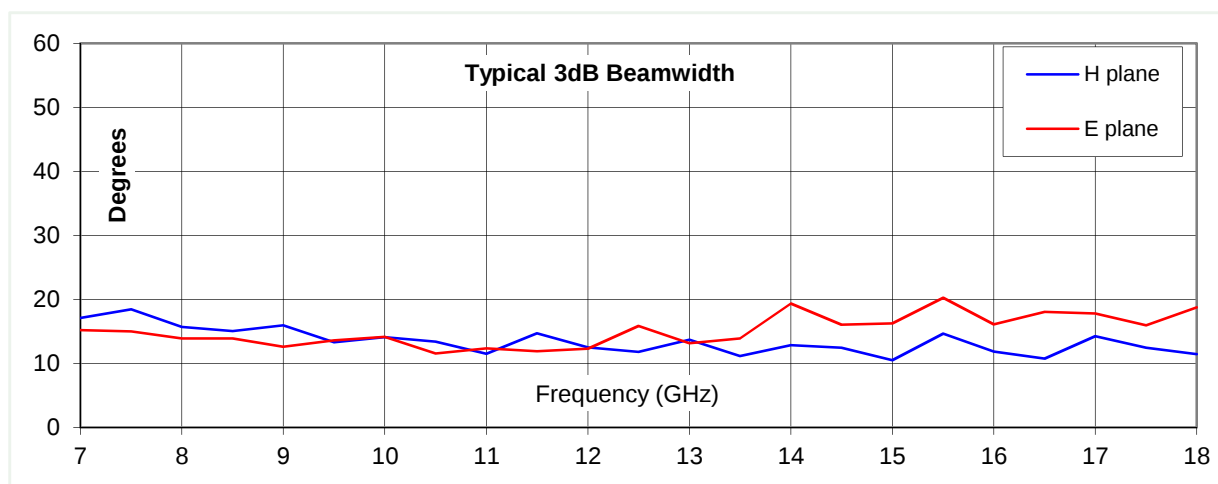
Typical Specification

Frequency	7.5 to 18 GHz
Connector type	WRD750 Flange
Power Handling	2 kW c.w. 20 kW peak
VSWR	< 1.3 :1
Gain	19.2 to 21.4 dBi
Antenna Factor	28.5 to 34 dB/m
3dB Beamwidth	10 to 20 degrees
10dB Beamwidth	21 to 44 degrees
Weight	3.2 kg nominal
Size- max.	186 mm x 144 mm external aperture x 425 mm long
Mounting	2 x mounting post, tapped 1/4" UNC x 15 mm deep
Construction	Soldered brass, painted.

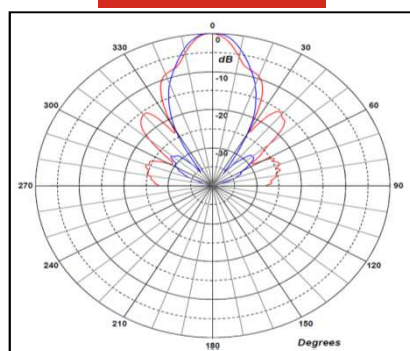
Typical Antenna Gain / Factor

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.

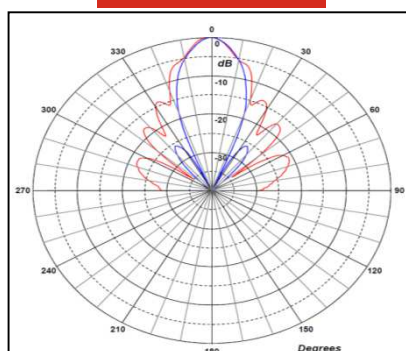




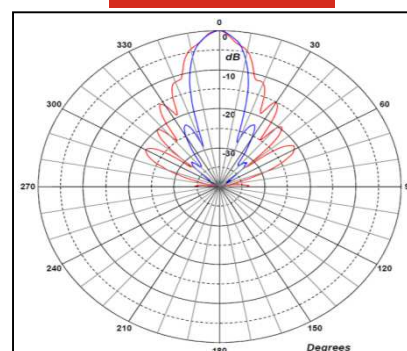
7.5 GHz



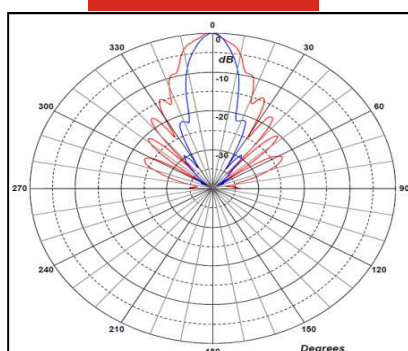
10 GHz



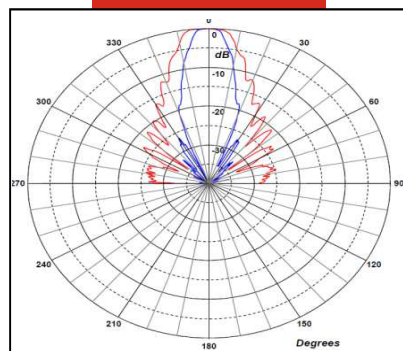
13 GHz



15 GHz



18 GHz



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