

Standard Gain Horn Antenna

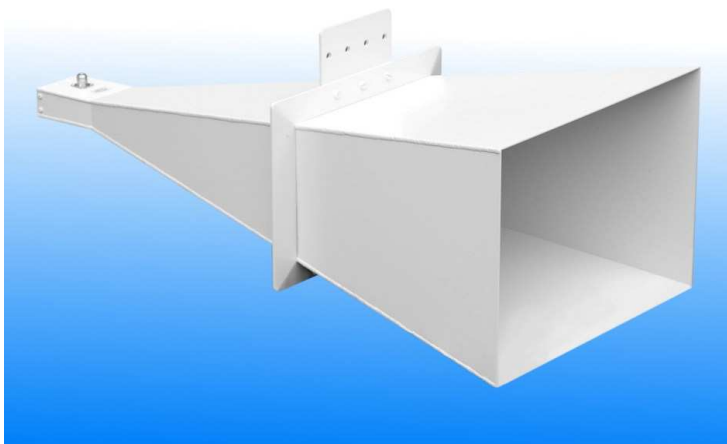
2.2 to 3.3 GHz

WG9A R26 WR340

Catalogue number: **QSH-SL-2.2-3.3-N-20**

Q-par reference: **QMS-00100**

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



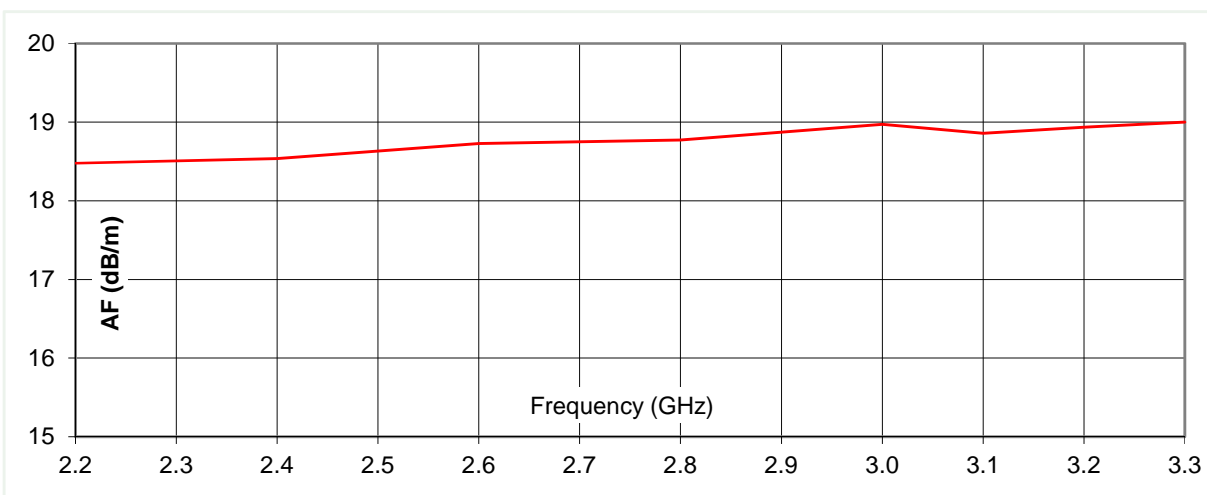
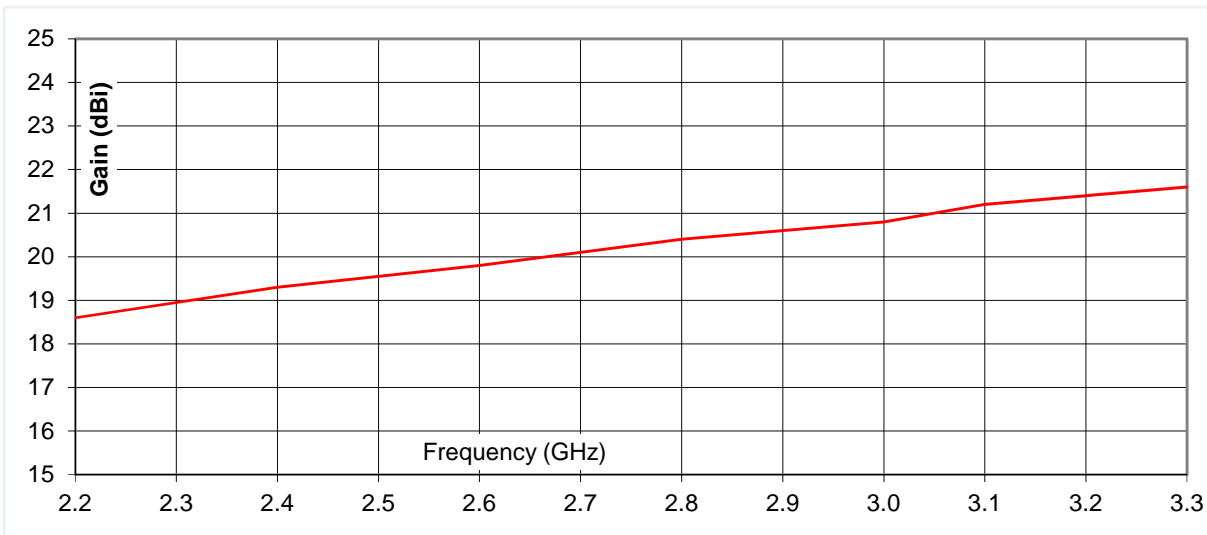
Test Report

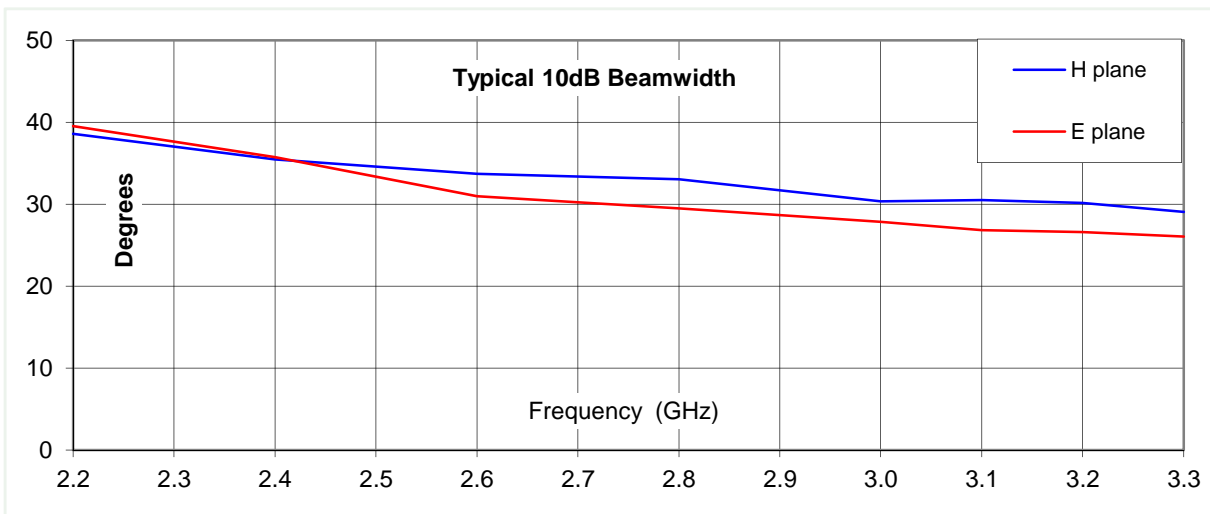
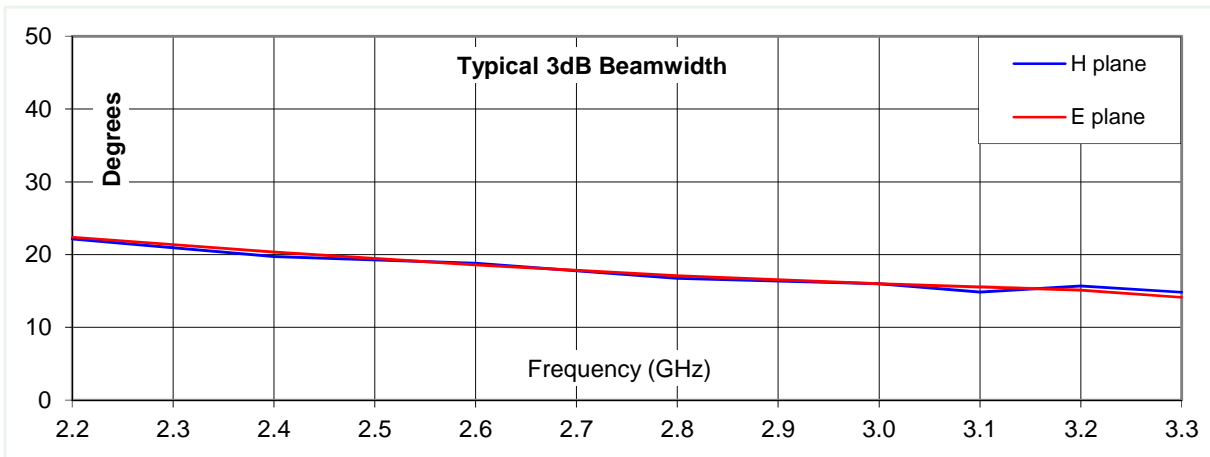
Typical Specification

Frequency	2.2 to 3.3 GHz
Connector type	N type jack
Power Handling	300 Watt c.w.
VSWR	Typically < 1.4:1
Gain	18.6 to 21.6 dBi
Antenna Factor	18.5 to 19 dB/m
3dB Beamwidth	14 to 22 degrees
10dB Beamwidth	26 to 40 degrees
Weight	7.5 kg -nominal
Size- max.	460 mm x 326 mm external aperture x 962 mm long
Mounting	2 x Mounting Plate at C of G, with 4 holes, diameter 10 mm, 40 mm centres
Construction	Welded aluminium. Powdercoat finish.

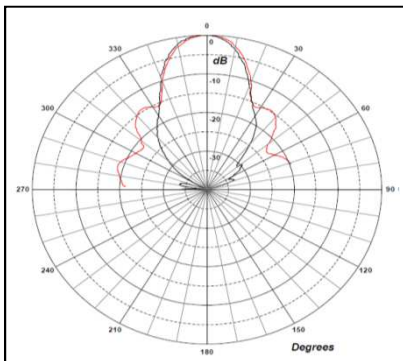
Typical Antenna Gain / Factor

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.

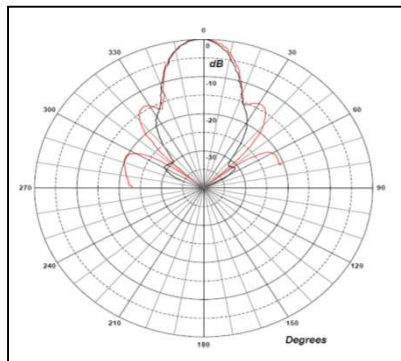




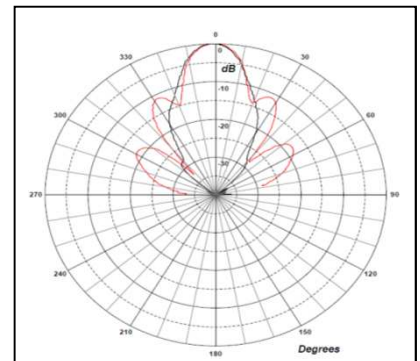
2.2 GHz



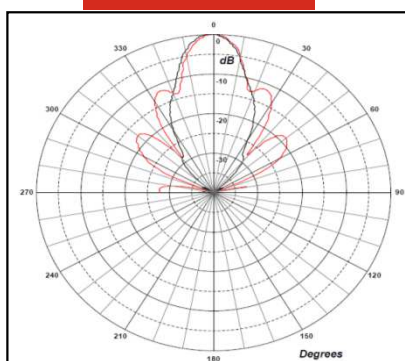
2.4 GHz



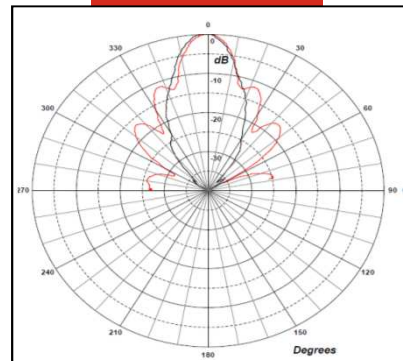
2.8 GHz



3.0 GHz



3.3 GHz



* Red trace = E-plane, Black trace = H-plane cut