



Standard Gain Horn Antenna

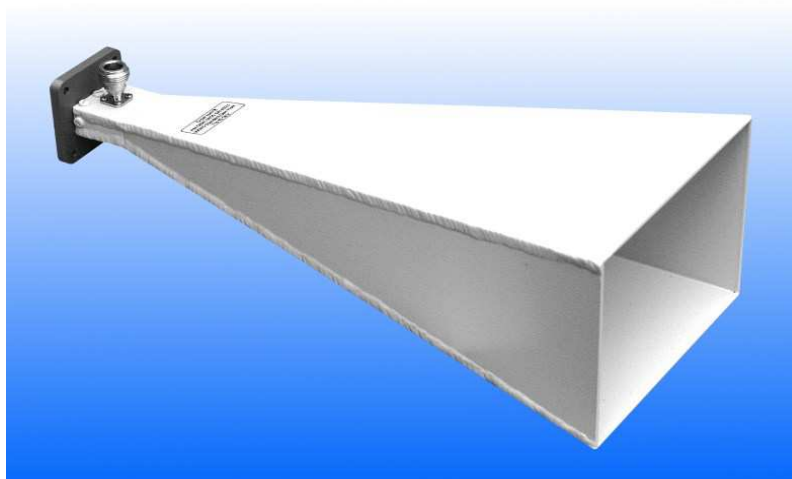
7 to 10 GHz

WG15 WR112 R84

Catalogue number: **QSH-SL-7-10-S-20-R**

Q-par reference: **QMS-00165**

Contents: **Typical Beamwidth / Patterns**
VSWR



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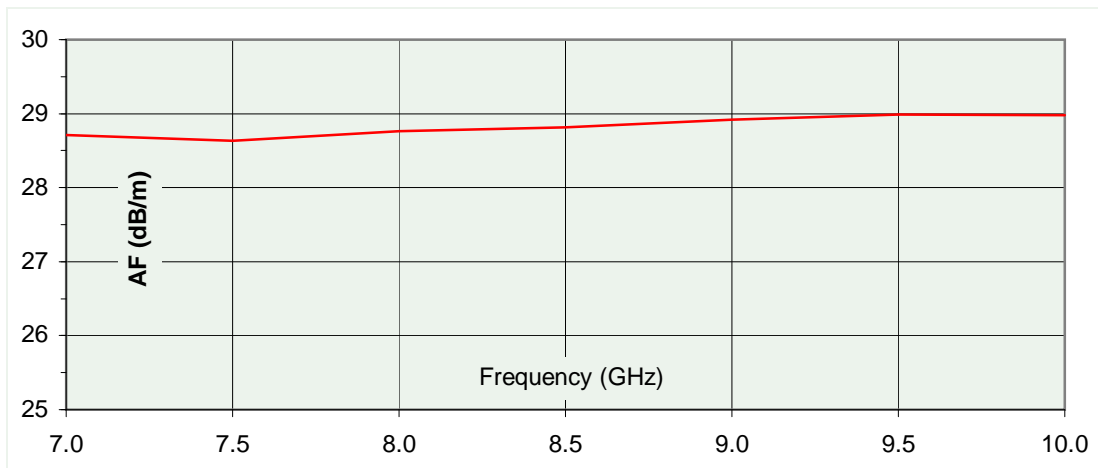
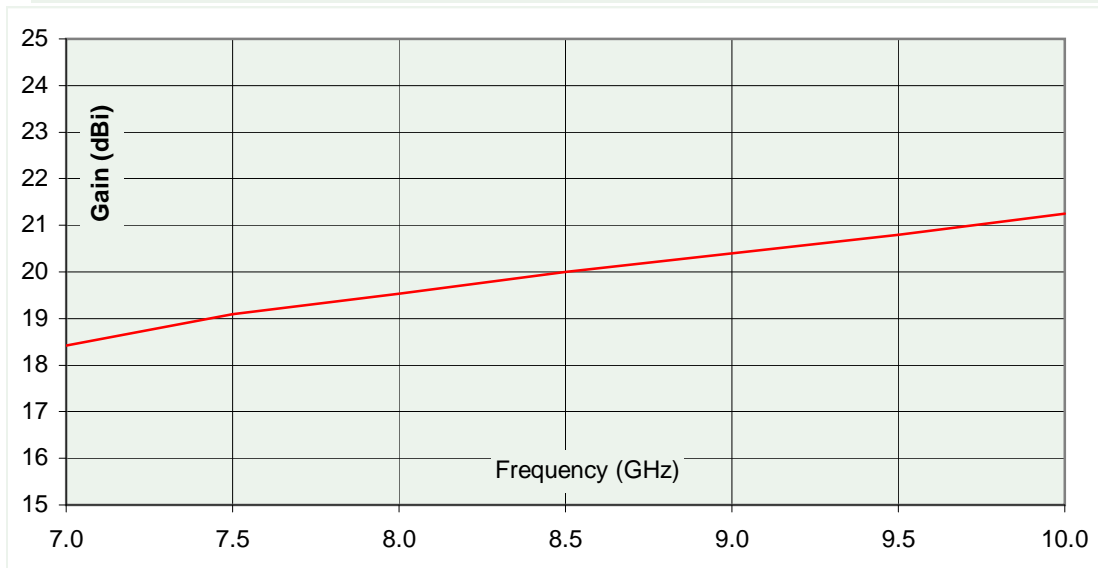
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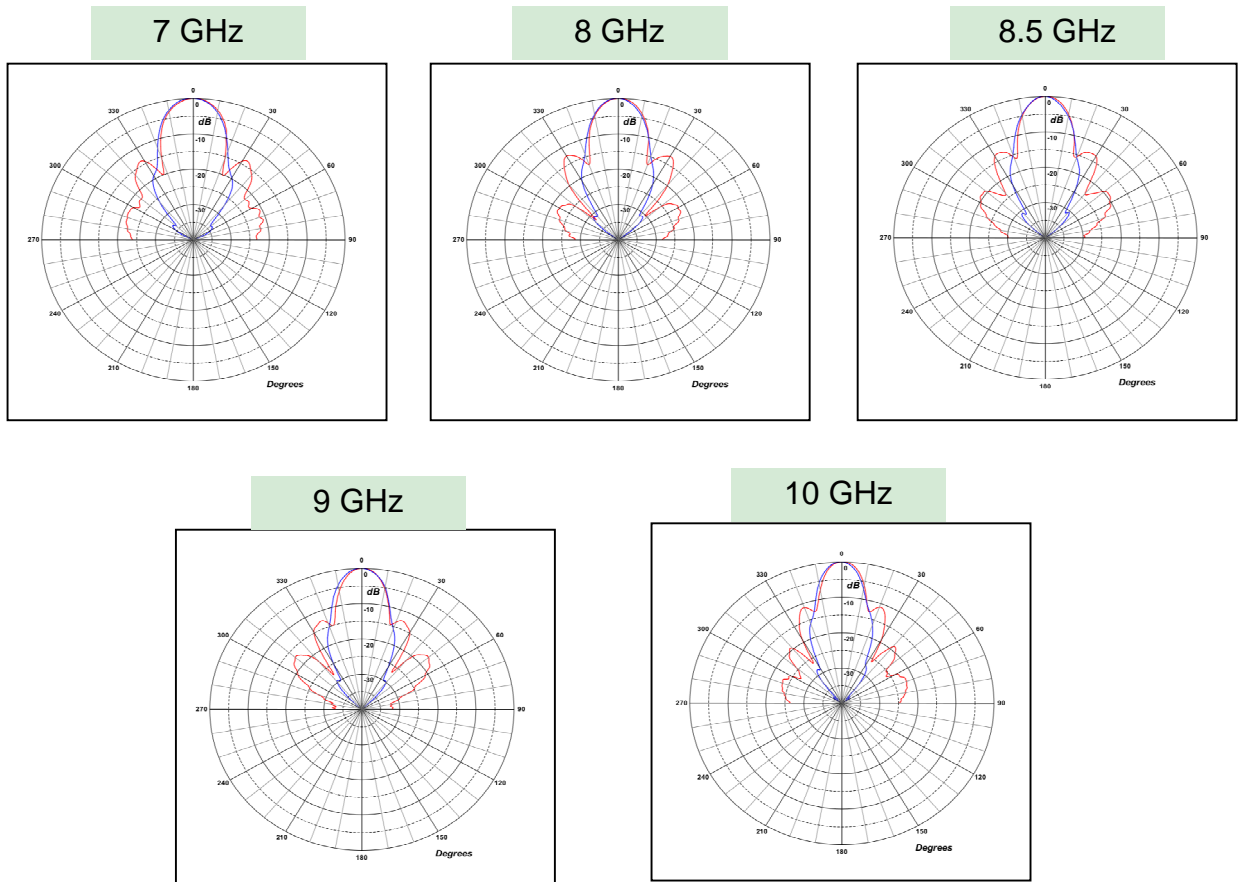
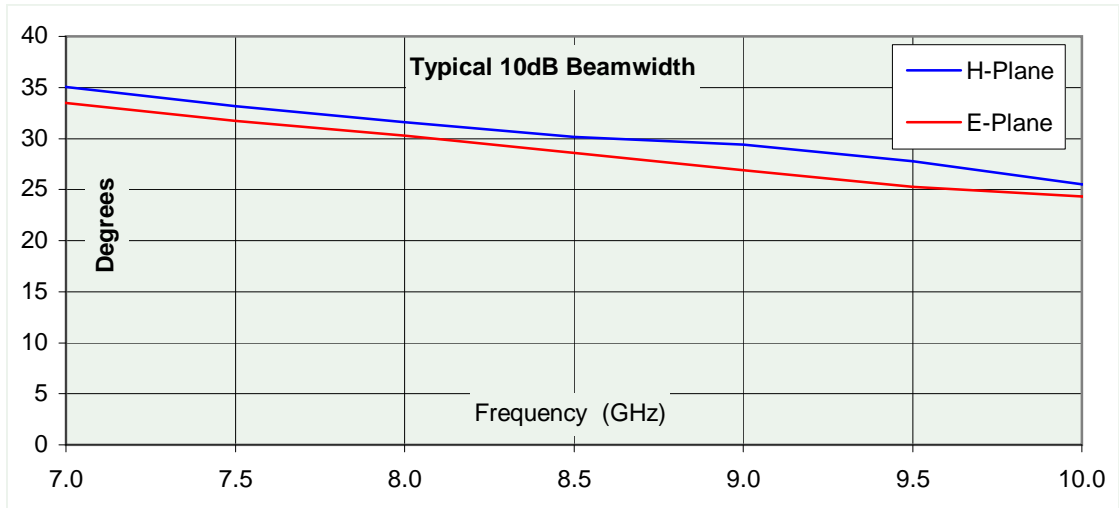
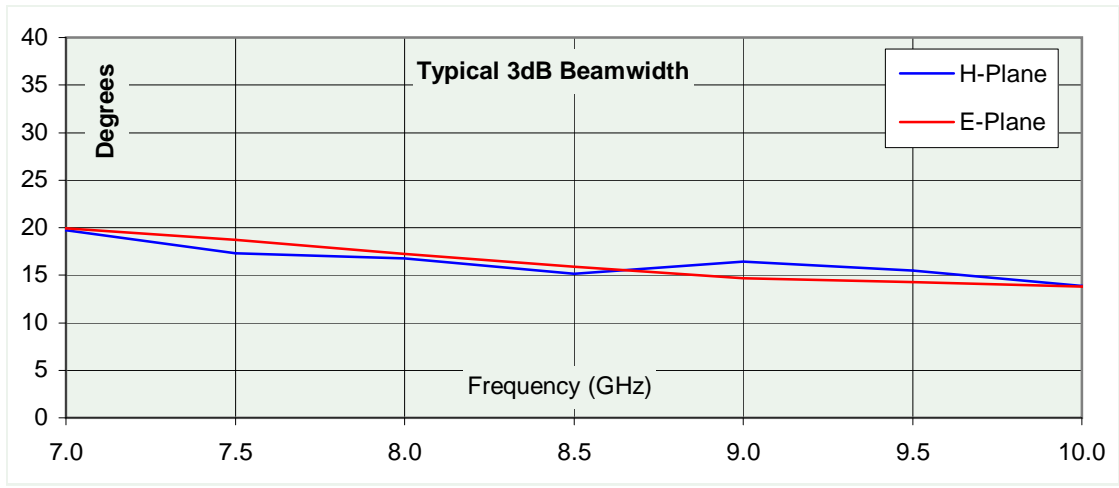
Typical Specification

Frequency	7 to 10 GHz
Connector type	N type jack
Power Handling	100 Watt c.w.
VSWR	Typically < 1.4:1
Gain	18.4 to 21.3 dBi
Antenna Factor	28.6 to 29 dB/m
3dB Beamwidth	14 to 20 degrees
10dB Beamwidth	24 to 35 degrees
Weight	700g nominal
Size	147 x 106 mm ext. aperture, 337 mm long
Mounting	Mounting plate 50 x 50 mm. 4 holes, diameter 4.1mm, 38 mm centres
Construction	Welded aluminium, painted. Anodised aluminium mounting plate.

Typical Antenna Gain / Antenna Factor

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





Red trace = E-Plane, Blue trace = H-Plane

