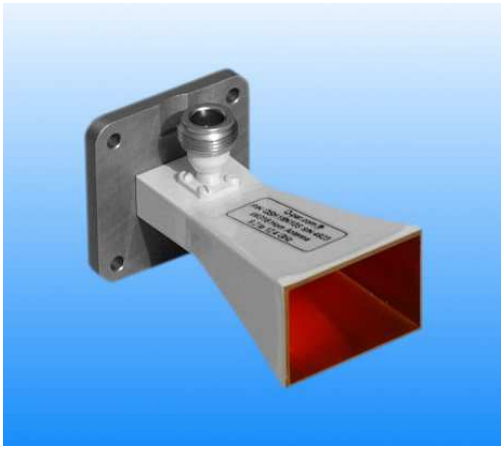
8 - 12 GHz Linearly Polarised 10 dBi Horn Antenna fitted with an N type Connector

Catalogue number **QSH-SL-8-12-N-10**

Q-par reference **QMS-00188**

Contents



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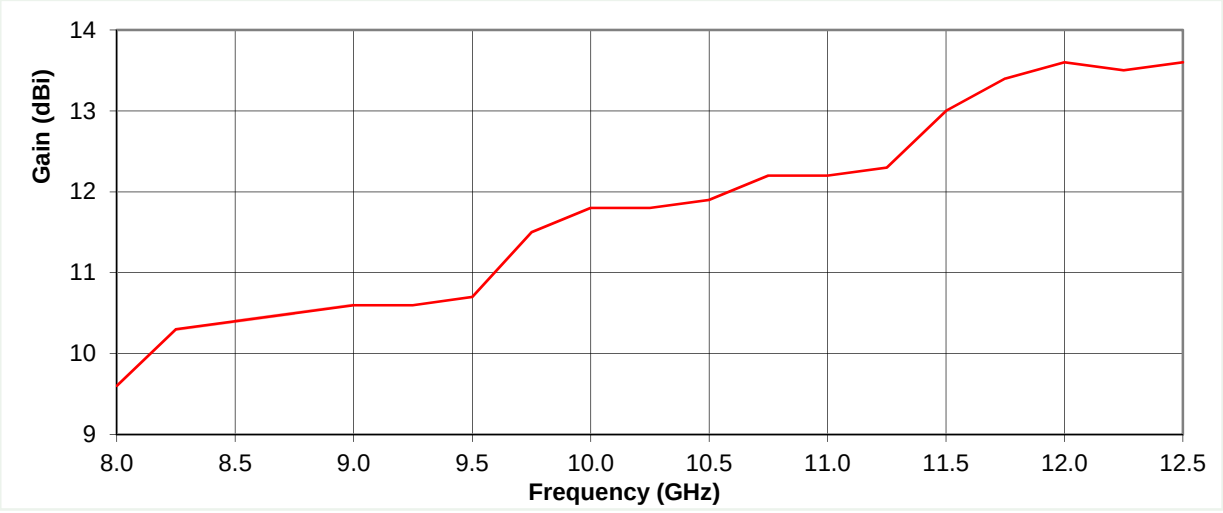
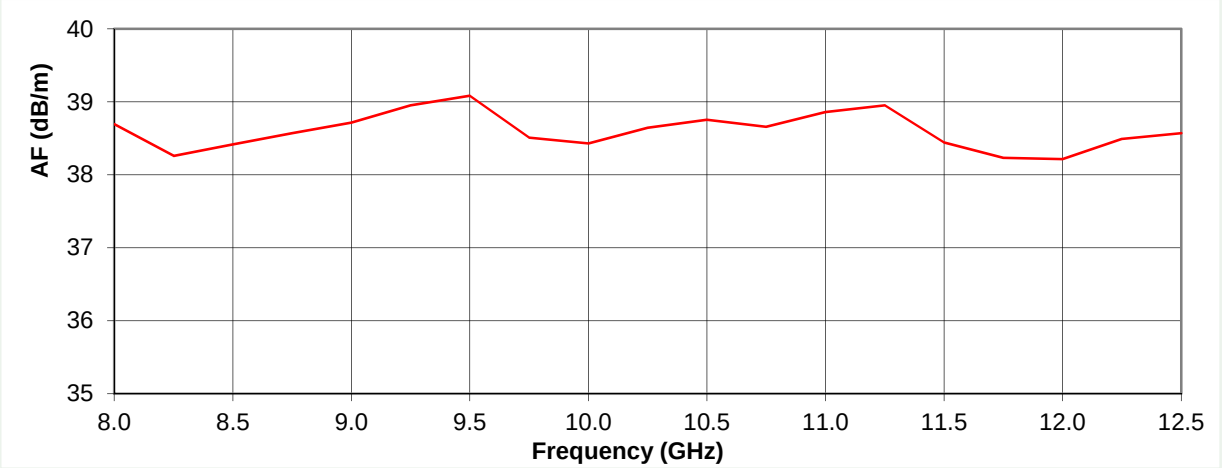
Typical Specification

Frequency	8 to 12.5 GHz
Connector Type	N type jack
Power Handling	100 Watt c.w.
VSWR	Typically < 1.5:1 (1.7:1 maximum)
Gain	9.6 to 13.6 dBi
Antenna Factor	38.2 to 39.1 dB/m
3dB Beamwidth	37 to 57 degrees
10dB Beamwidth	63 to 113 degrees
Weight	280 g nominal
Maximum Size	47 x 35.5 mm external aperture x 91 mm long
Mounting	Mounting Plate 50 mm x 50 mm with 4 holes, diameter 4.1 mm, on 38 mm centres
Construction	Electroformed copper with anodised aluminium mounting plate

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.





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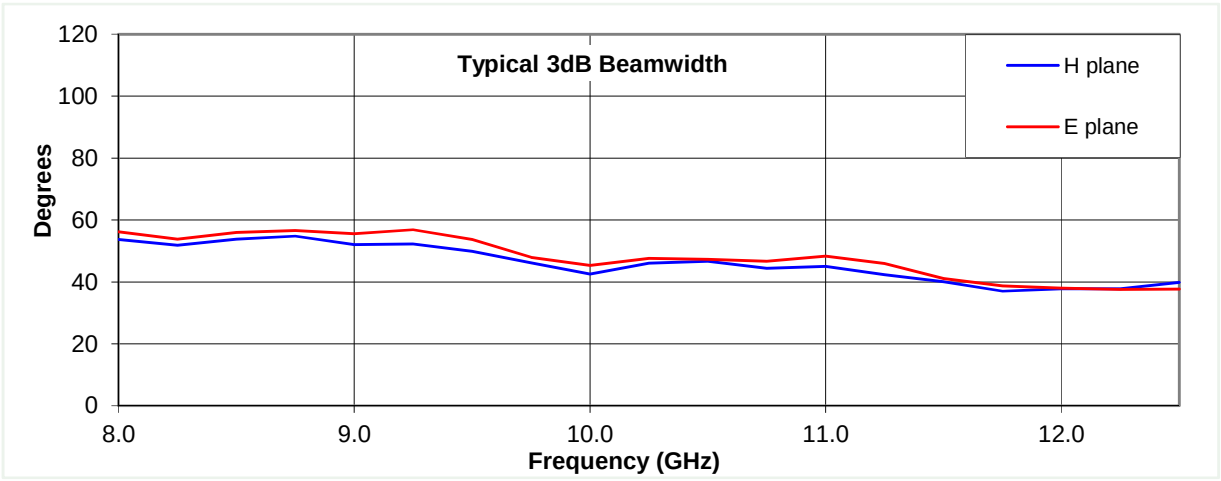
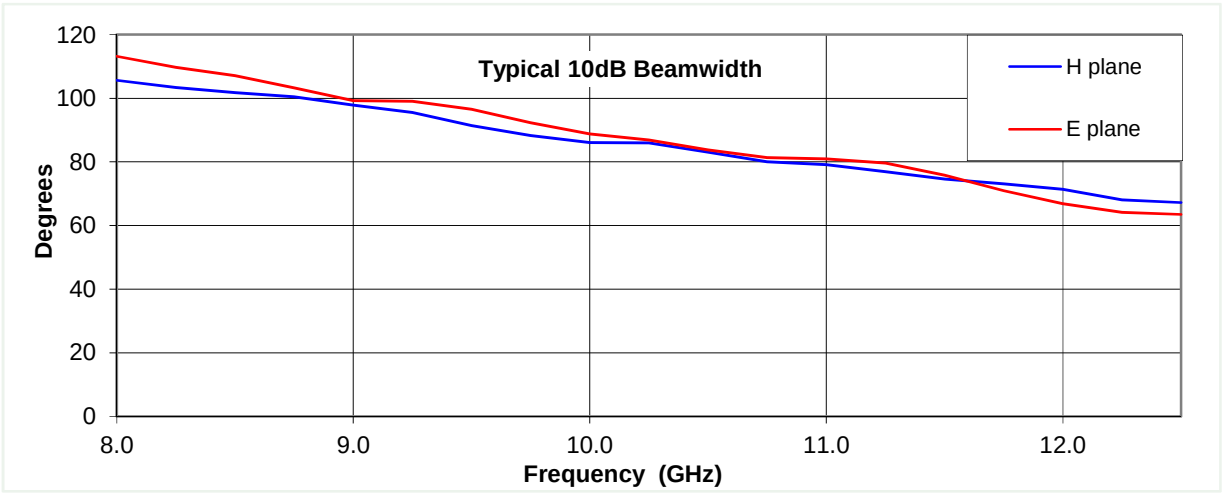
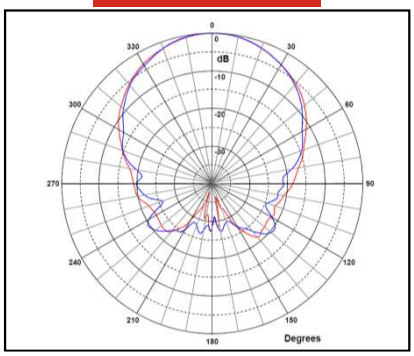
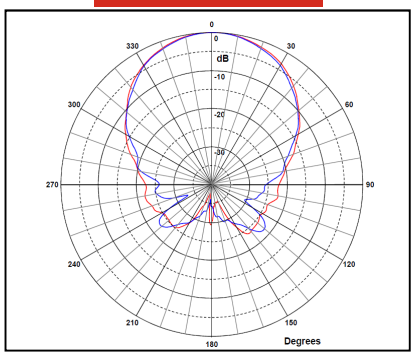




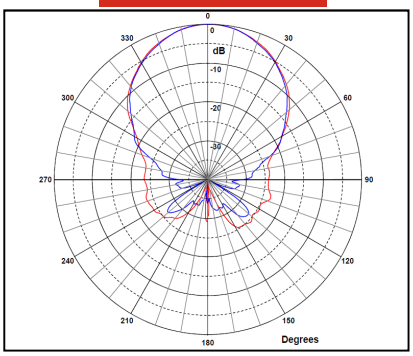
8 GHz



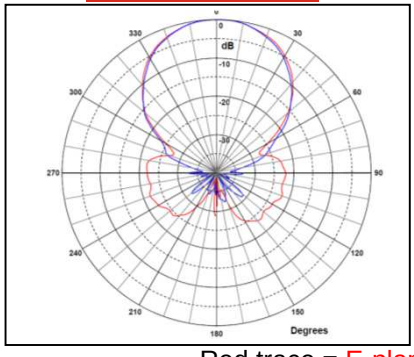
9 GHz



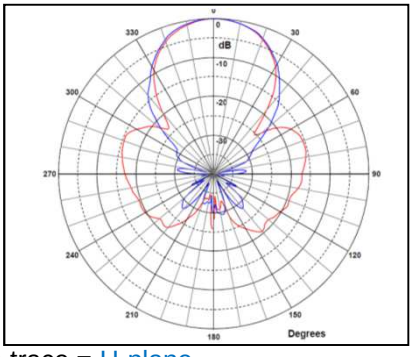
10 GHz



11 GHz



12.5 GHz



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

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