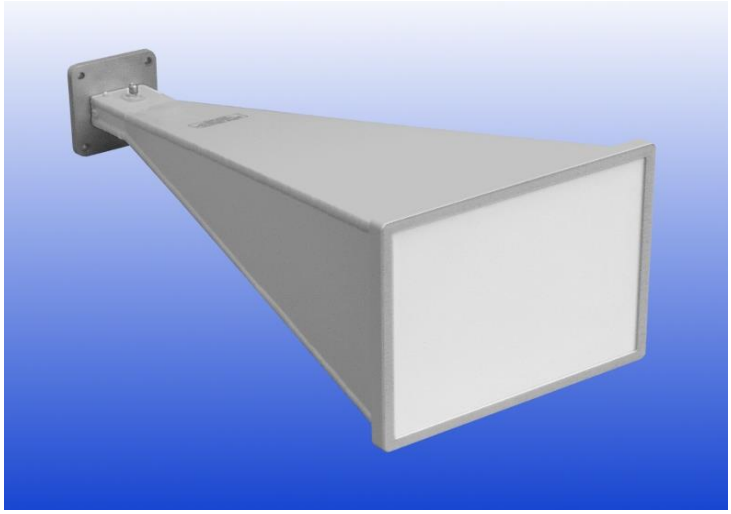
6 - 8 GHz Linearly Polarised 20 dBi Horn Antenna fitted with an SMA type Connector and Radome

Catalogue number **QSH-SL-6-8-S-20-R**

Steatite reference **QMS-00154**

Contents



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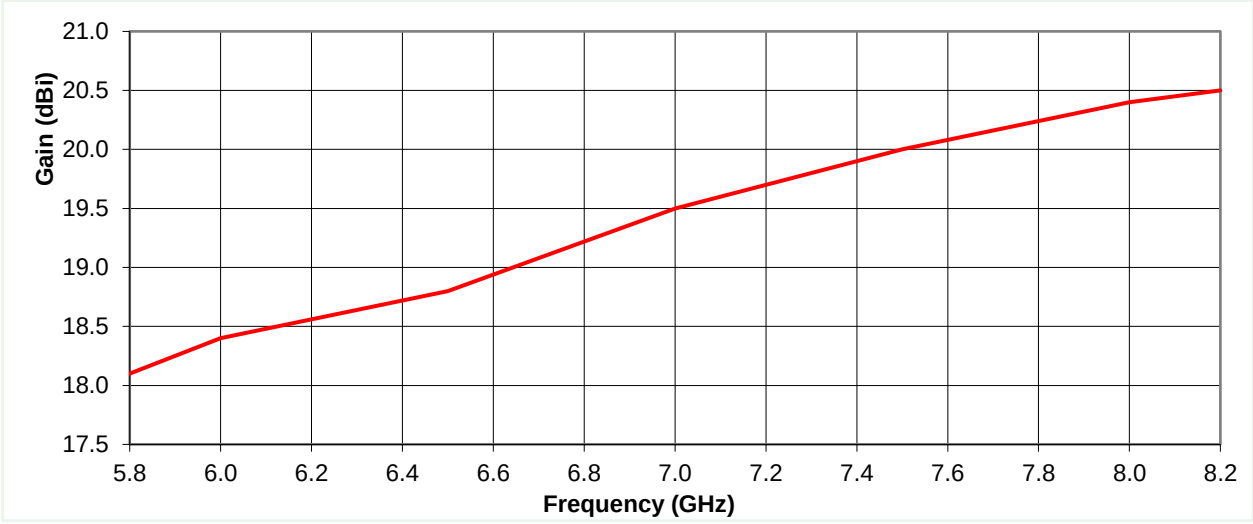
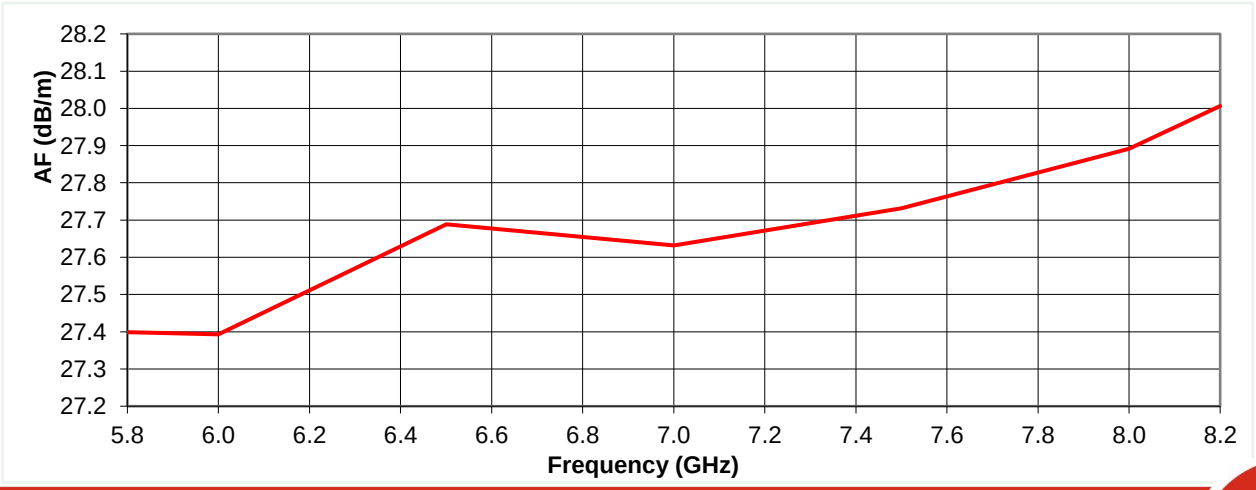
Typical Specification

Frequency	5.8 to 9 GHz
Connector Type	SMA jack
Power Handling	50 Watt c.w.
VSWR	< 1.6 :1
Gain	18.1 to 20.5 dBi
Antenna Factor	27.4 to 28 dB/m
3dB Beamwidth	15 to 22 degrees
10dB Beamwidth	27 to 39 degrees
Weight	820 g including mount plate
Maximum Size	182 mm x 130 mm external aperture, 400 mm long
Mounting	Rear mount plate. 4 holes 5.1 mm diameter on 50 mm centres.
Construction	Stainless steel, aluminium and engineering plastics

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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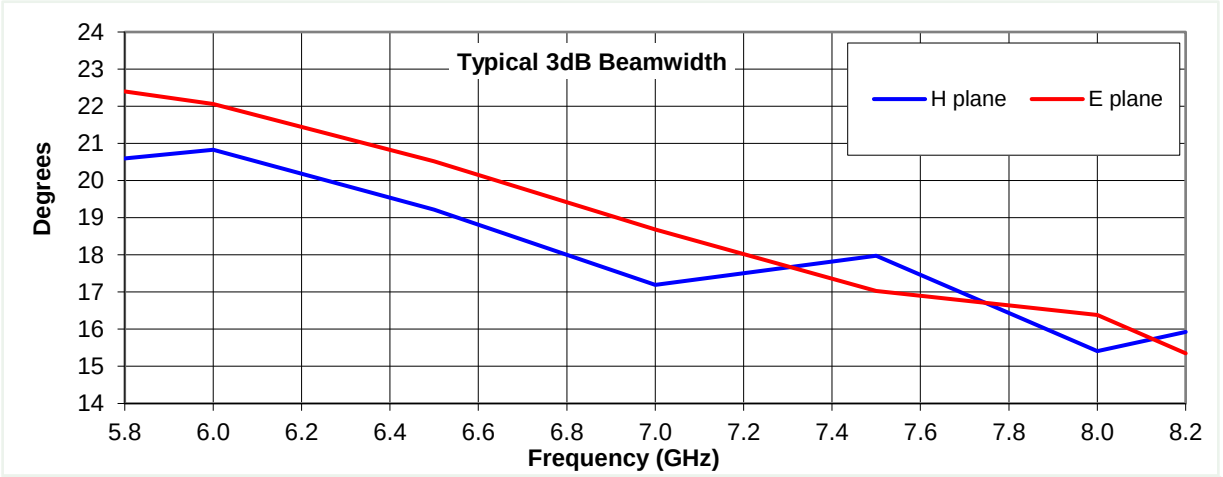
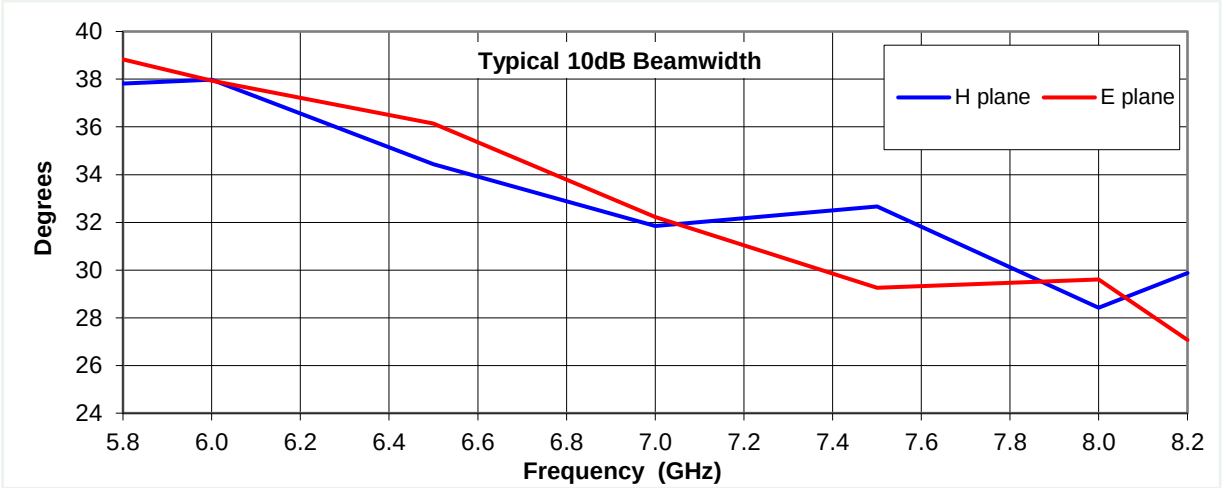
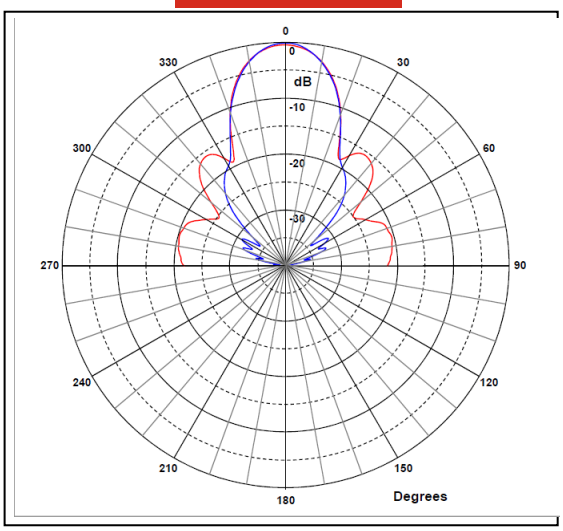
Typical Beamwidth / Radiation Patterns

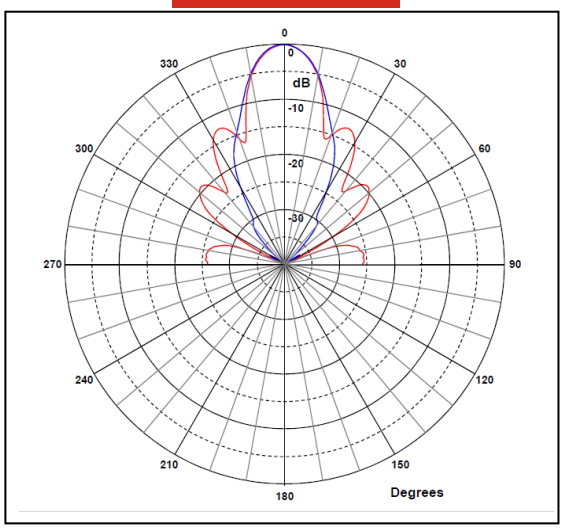




5.8 GHz



8.2 GHz



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

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