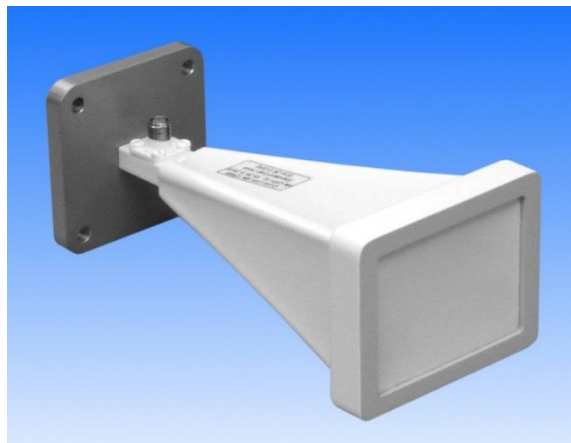


18 - 26 GHz Linearly Polarised 20 dBi Horn Antenna fitted with an SMA type Connector and Radome

Catalogue number **QSH-SL-18-26-S-20-R**

Q-par reference **QMS-00226**

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



Typical photograph. Finish according to customer specifications.

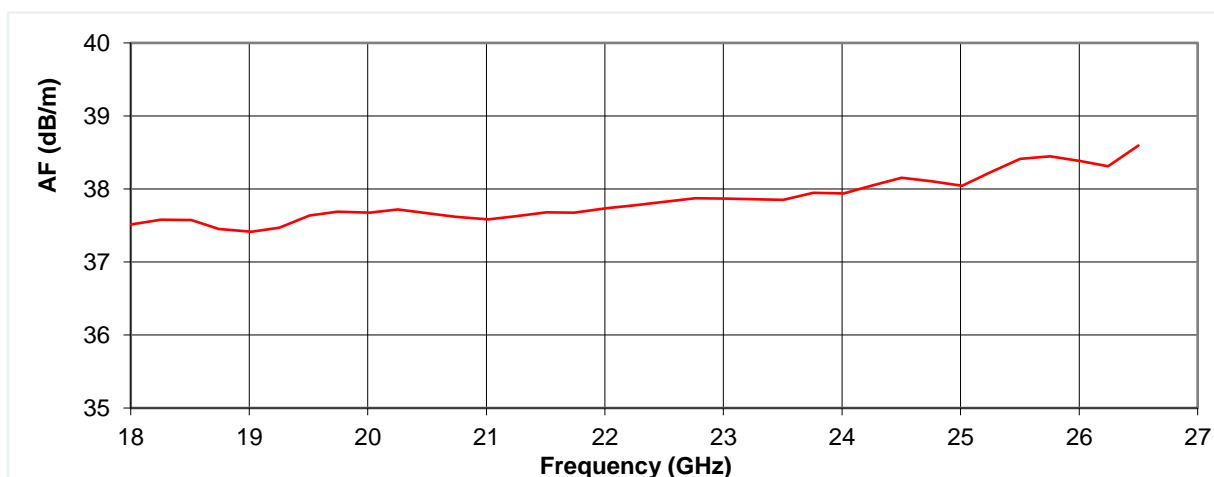
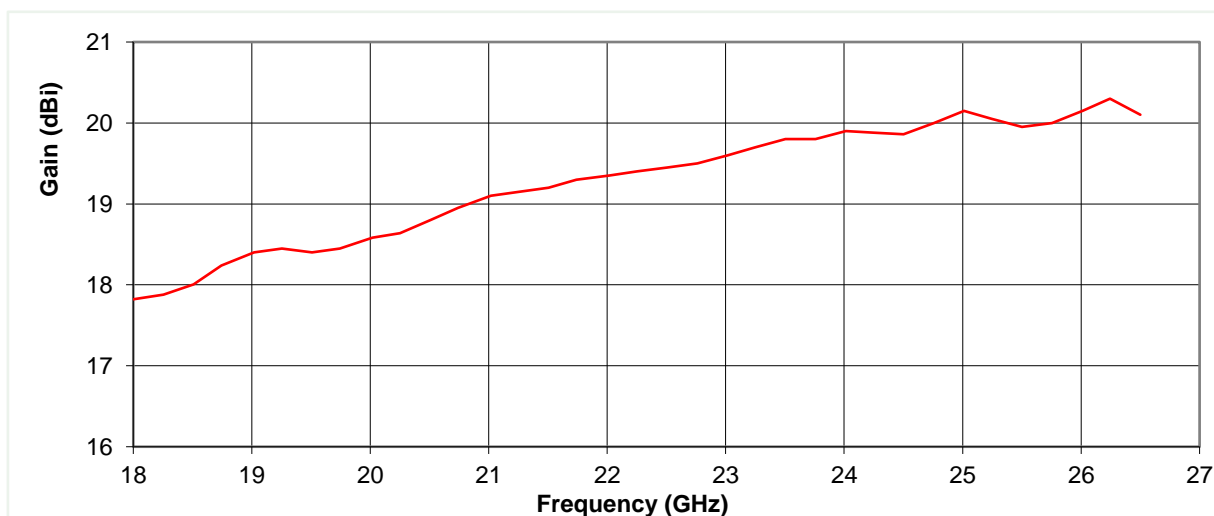


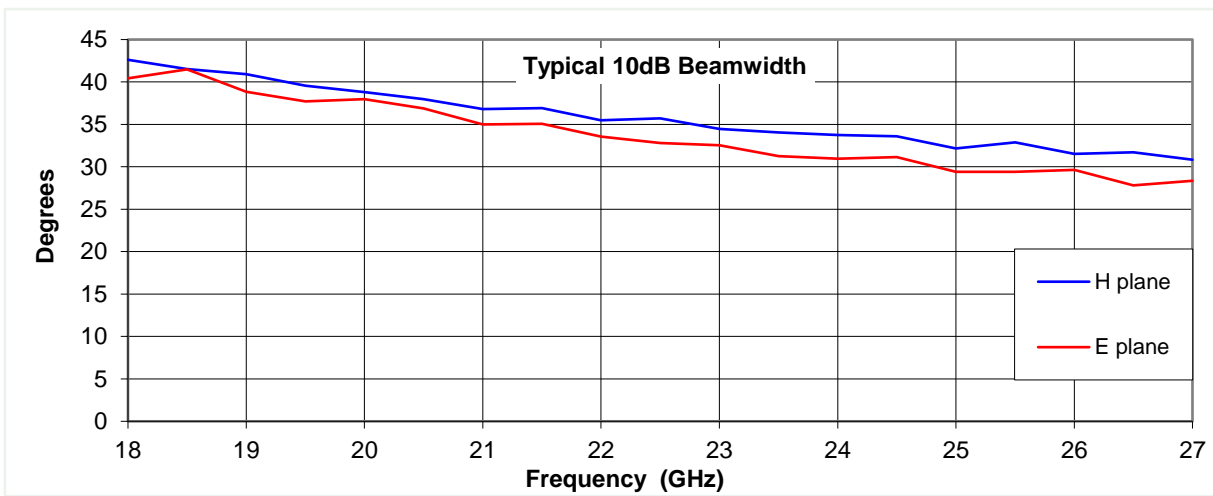
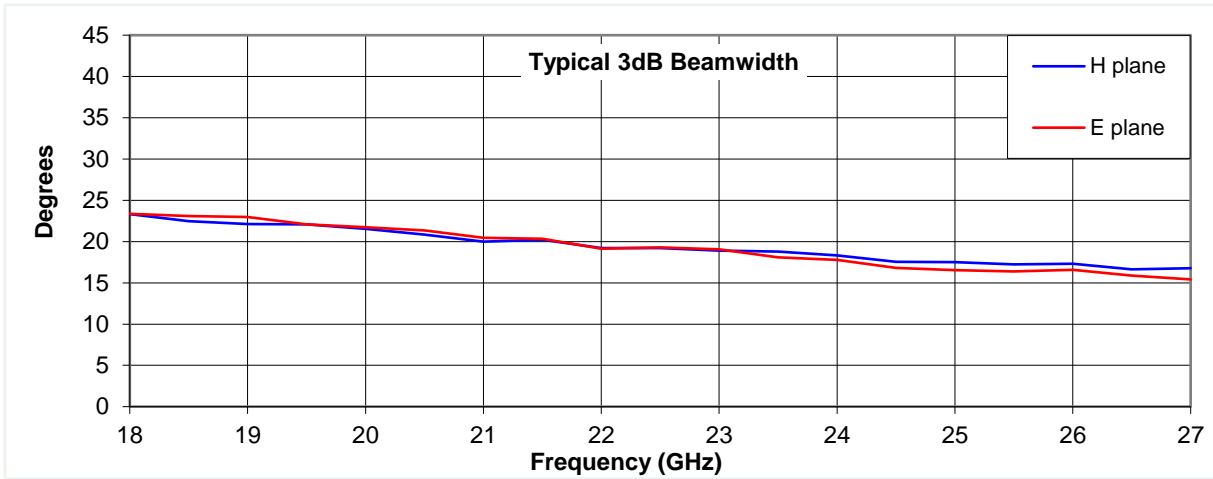
Typical Specification

Frequency	18 to 26.5 GHz
Connector Type	SMA jack (27 GHz version)
Power Handling	20 Watt c.w.
VSWR	Typically < 1.5 :1
Gain	17.8 to 20.3 dBi
Antenna Factor	37.4 to 38.6 dB/m
3dB Beamwidth	15 to 25 degrees
10dB Beamwidth	28 to 45 degrees
Weight	320 g nominal
Maximum Size	64 x 51 mm aperture x 127 mm long
Mounting	Rear mount plate with 4 holes, diameter 4.1 mm, 38 mm centres
Construction	Electroformed copper, composite plastic radome, painted. Anodised aluminium mount plate.

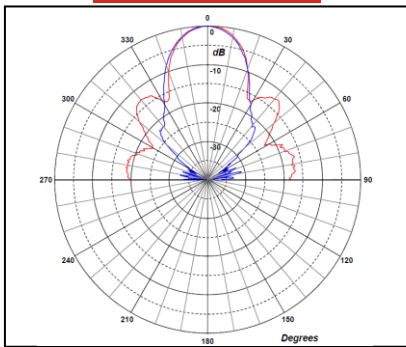
Typical Antenna Gain / Factor

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.

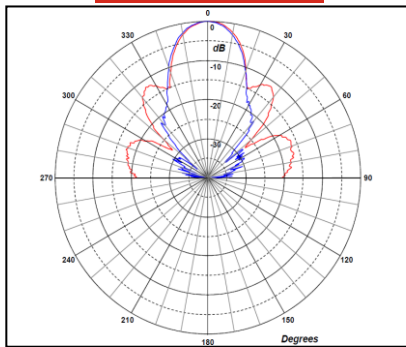




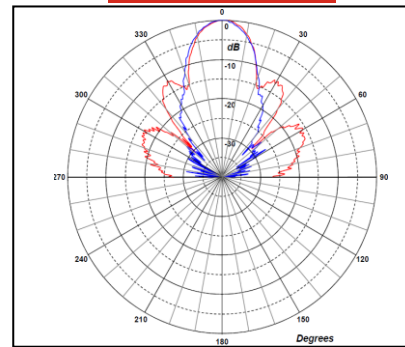
18 GHz



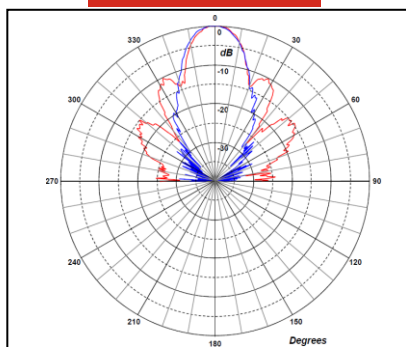
20 GHz



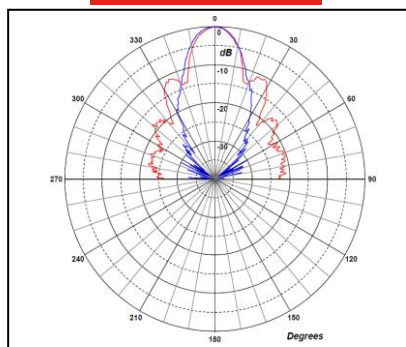
22 GHz



24 GHz



26.5 GHz



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

