

0.9 - 20 GHz Vertically Polarised Omnidirectional Antenna fitted with an SMA type Connector and Radome

Catalogue number **QOM-SL-0.9-20-S-SG-R**

Steatite reference **QMS-00021**

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

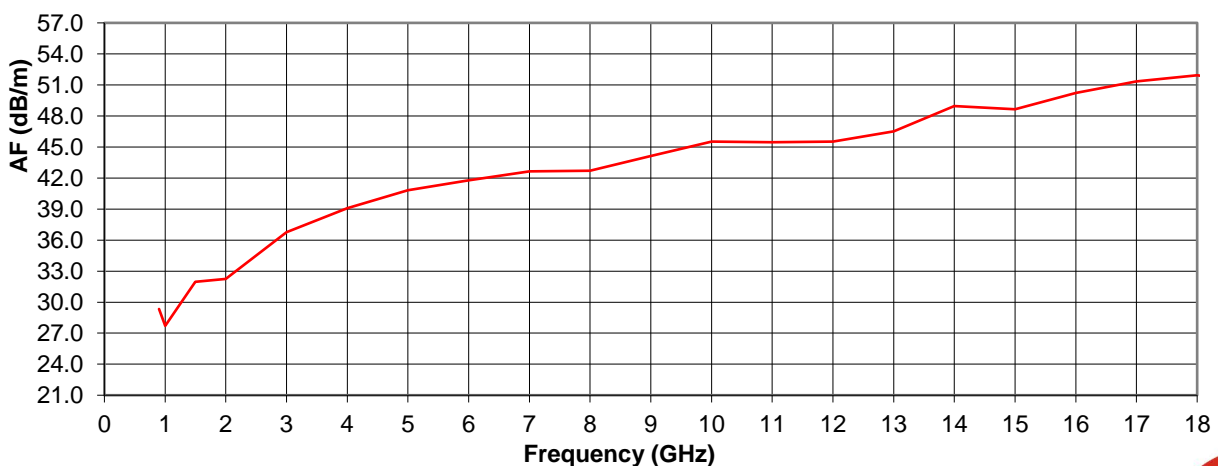
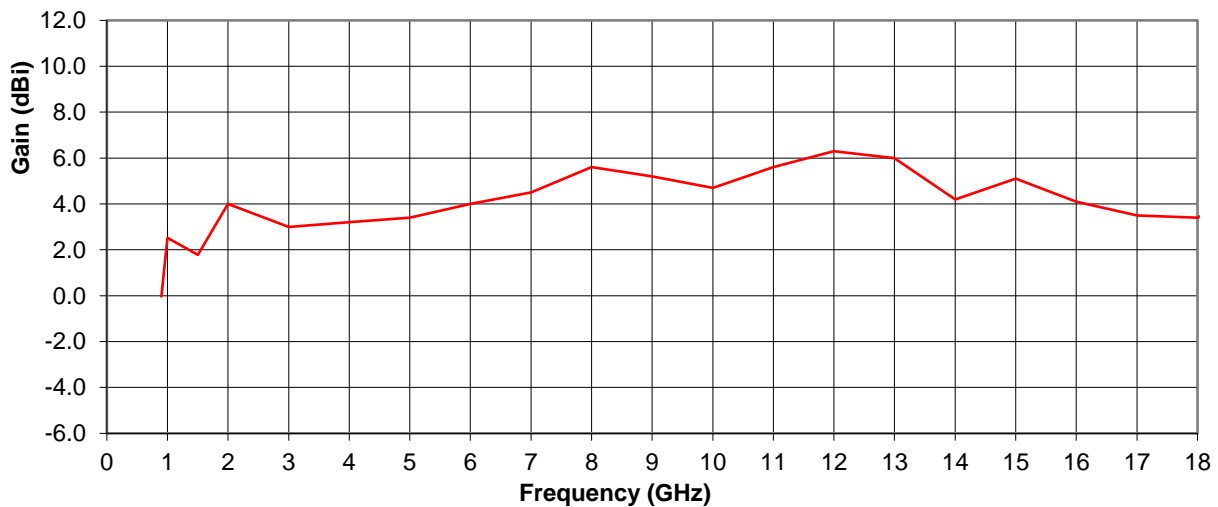


Typical Specification

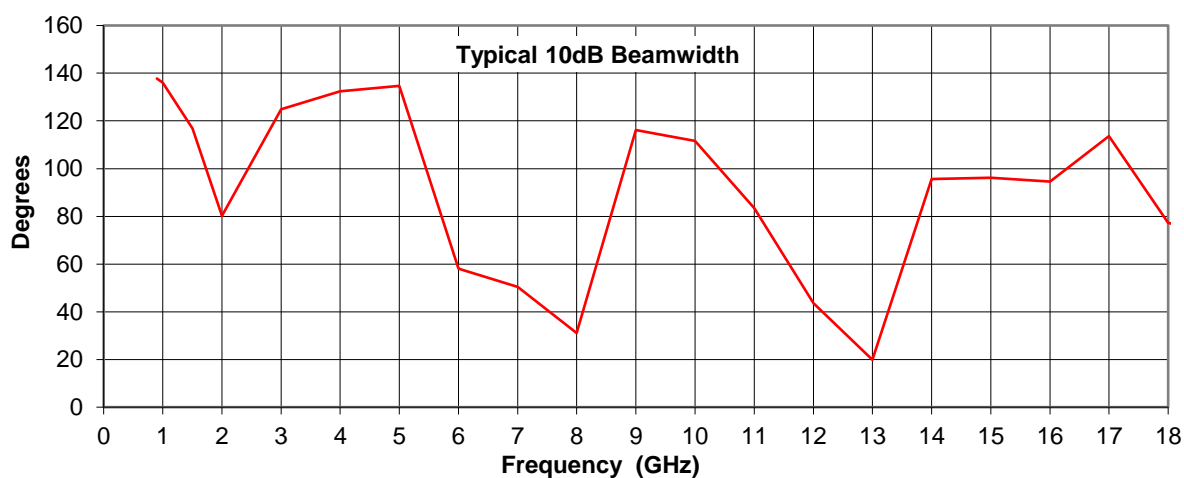
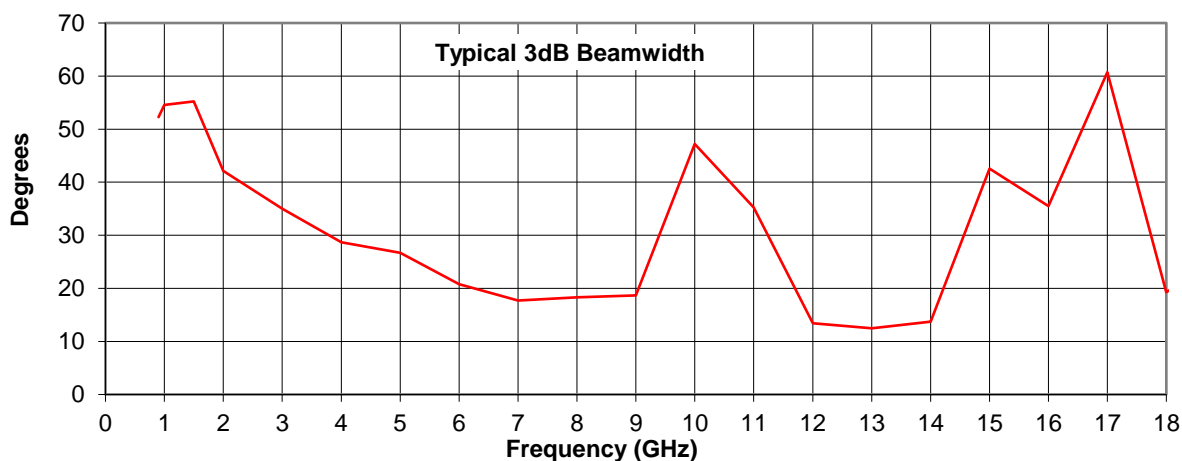
Frequency	0.9 to 18 GHz
Connector Type	SMA type jack
Power Handling	50 Watt CW
VSWR	< 3.2 :1, < 2.0:1 over most of band
Gain	0 to 6.3 dBi (Peak Gain above horizon)
Antenna Factor	27.7 to 51.9 dB/m
3dB Beamwidth	12 to 61 degrees
10dB Beamwidth	20 to 138 degrees
Weight	362 g
Maximum Size	100 mm diameter base x 115 mm height (without bracket)
Mounting	Pole mounting bracket (for poles up to 32 mm diameter).
Construction	Aluminium and Engineering plastics. Painted.

Typical Antenna Gain / Factor

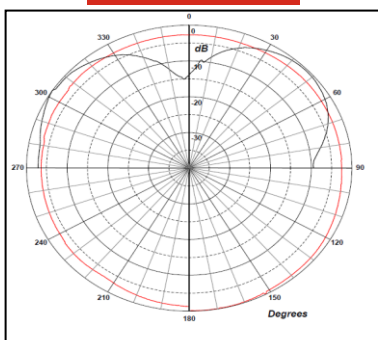
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



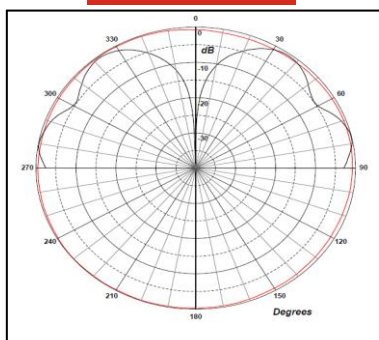
Typical Beamwidth / Radiation Patterns



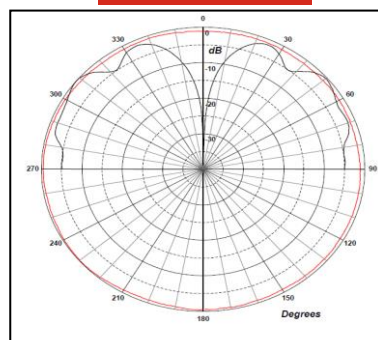
0.9 GHz



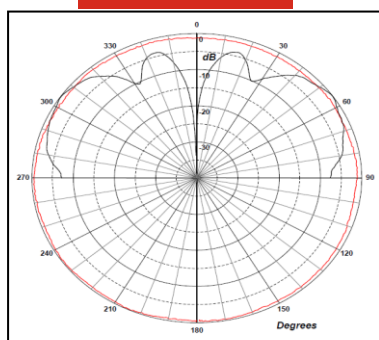
5 GHz



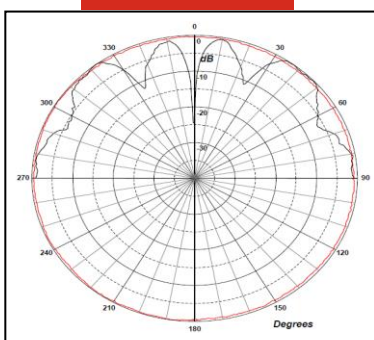
10 GHz



15 GHz



18 GHz



Note: connector at 180 degrees for Elevation cut, Black = Elevation, Red = Azimuth

