

26 - 40 GHz Vertically Polarised Omnidirectional Antenna fitted with a K type Connector and Radome

Catalogue number **QOM-SL-26-40-K-SG-R**

Q-par reference **QMS-00029**

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

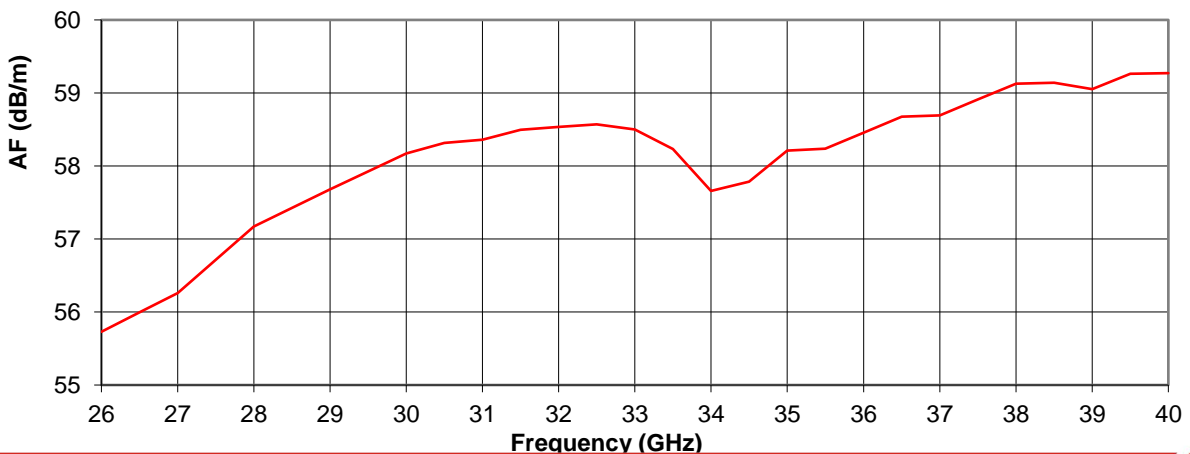
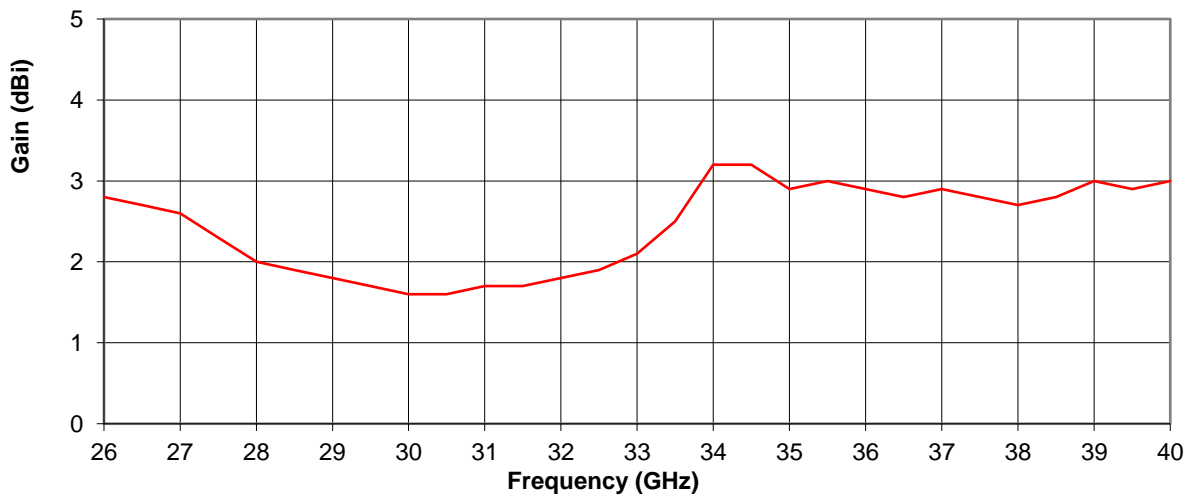


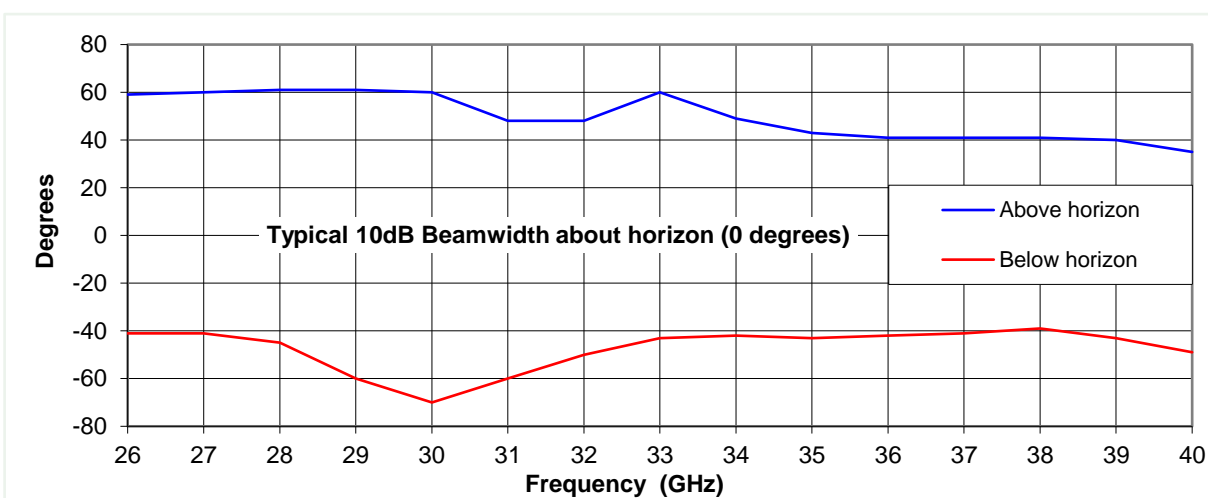
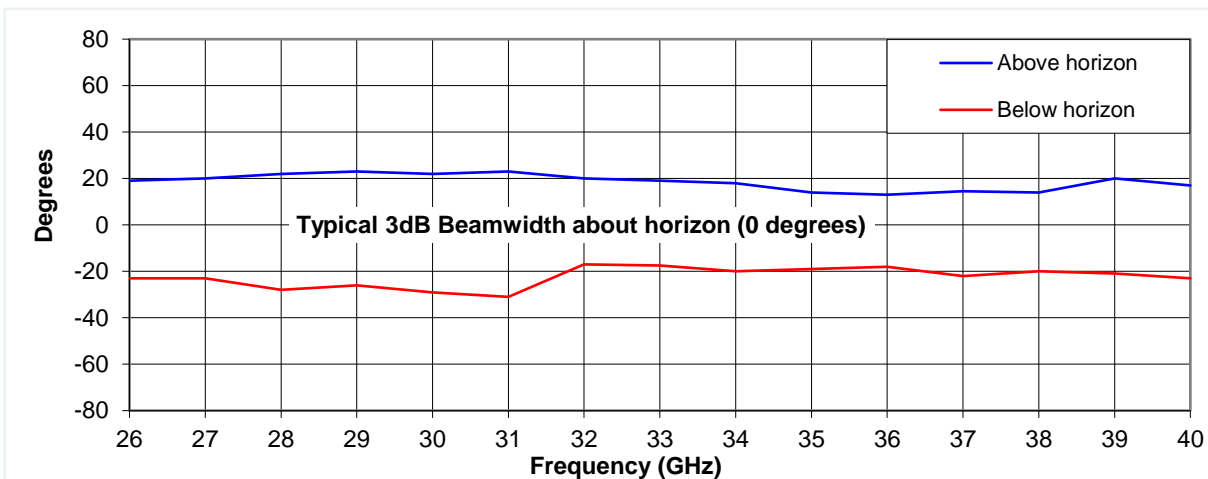
Typical Specification

Frequency	26 to 40 GHz
Connector Type	K type (2.92 mm) jack
Power Handling	10 Watt c.w.
VSWR	< 2.0:1
Gain on horizon	1.6 to 3.2 dBi
Antenna Factor	55.7 to 59.3 dB/m
3dB Beamwidth	-31 degrees below to 23 degrees above horizon
10dB Beamwidth	-70 degrees below to 61 degrees above horizon
Weight	36 g nominal
Maximum Size	Diameter 46.2 x 42 mm overall length
Mounting	3 holes, M2.5 thread, equispaced on 39.5 mm pitch circle diameter
Construction	Aluminium with PTFE radome and stainless steel connector
Azimuth	Typically ± 1 dB fluctuation in horizon circumference

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 ± 0.8 dB.

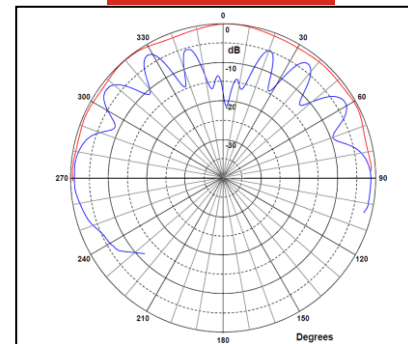
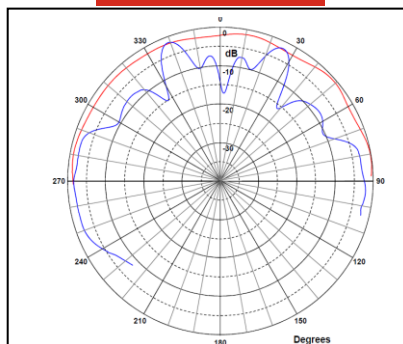
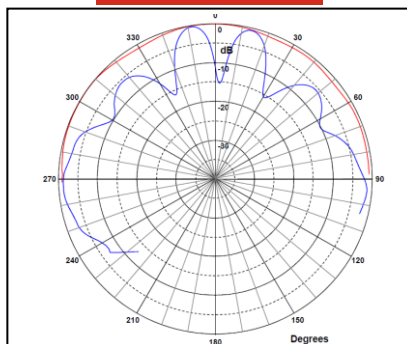




26 GHz

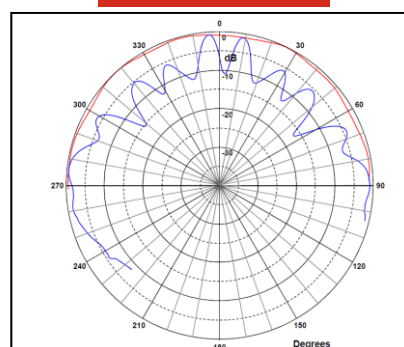
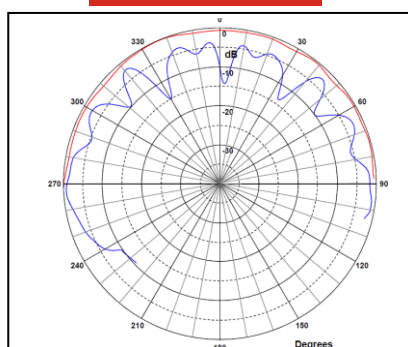
30GHz

34 GHz



38 GHz

40 GHz



Red trace = Azimuth (only 180 degrees plotted),
Blue trace = Elevation (Zenith at 0, horizon at 270 and 90 degrees)

