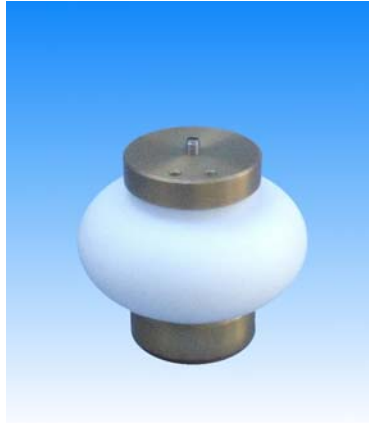


0.8 - 40 GHz Ultra-Wideband Omni-directional Antenna



Model Number QOM0.8-40KL

- Ultra Wideband and Omni-Directional
- Discrete and small - 100mm diameter
- Ideal for monitoring and surveillance
- Suitable for airborne and harsh environments
- Typically VSWR <2.5:1

The QOM0.8-40KL Ultra wideband 0.8 - 40 GHz vertically polarised, omni-directional antenna, is an extremely versatile and discrete antenna, perfect for covert and surveillance operations.

This lightweight, robust and compact antenna is ideal for airborne and harsh environments and a versatile substitute for multiple antennas deployed in Electronic Warfare and surveillance communities.

Other Omni-directional models:

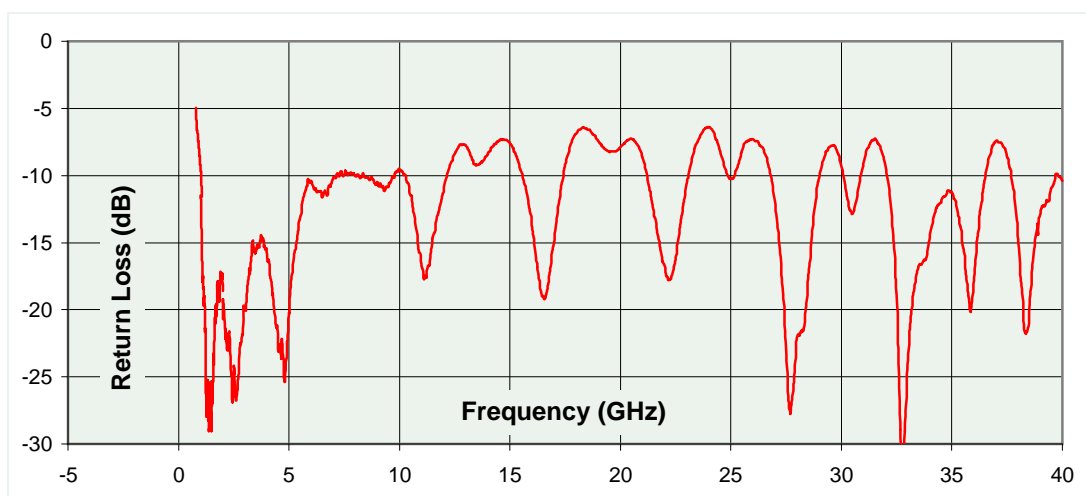
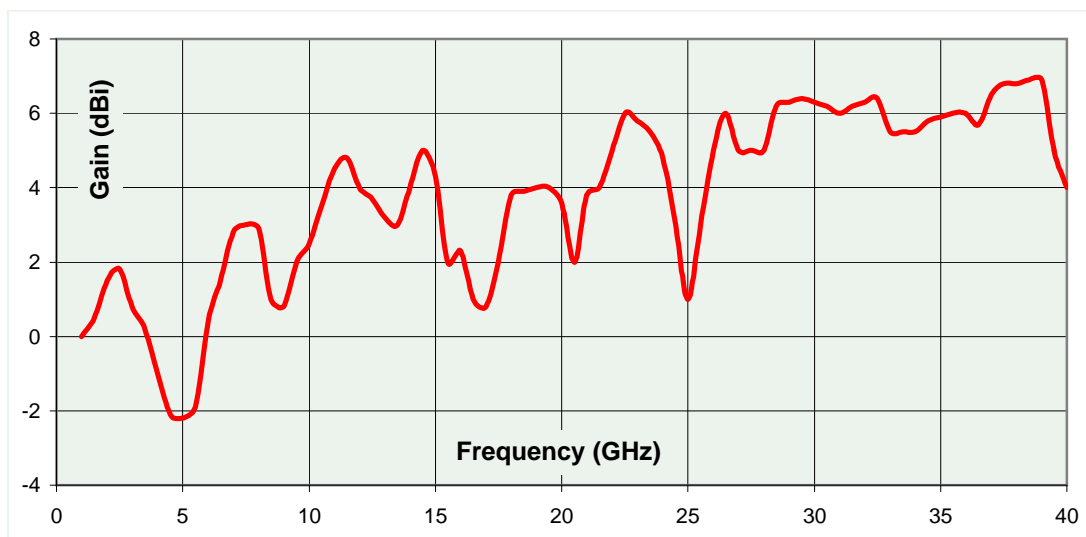
- | | | |
|-------------|---|----------------------|
| QOM2-18S | - | Slant polarised |
| QOM18-26.5S | - | Slant polarised |
| QOM0.9-20S | - | Vertically polarised |

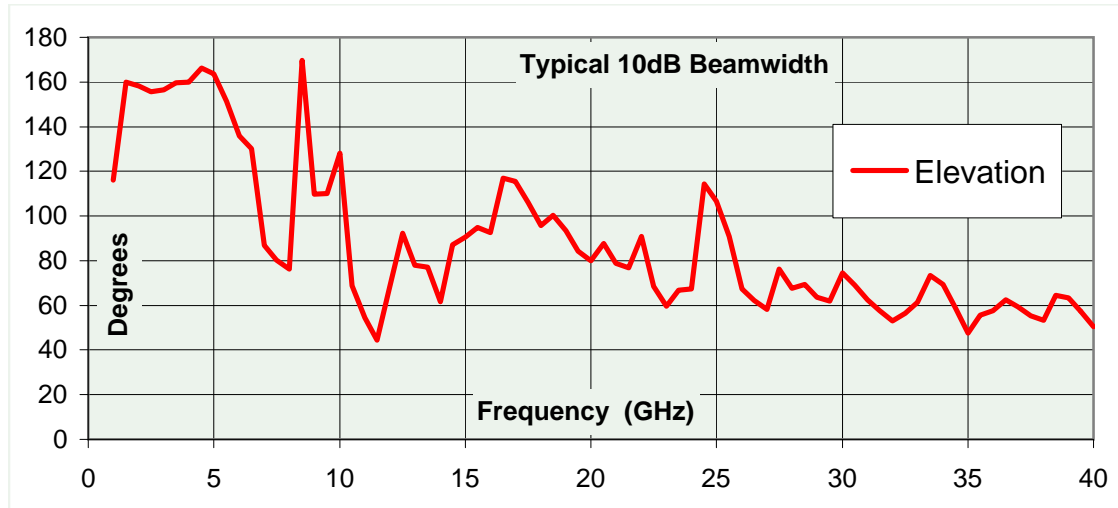
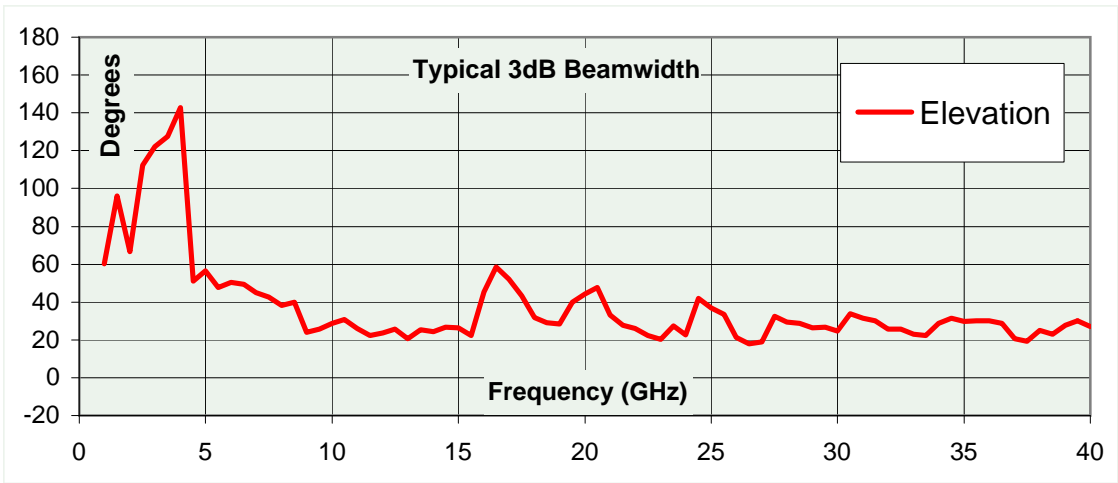
Typical Specification

Frequency	0.8 to 40 GHz
Connector type	K Type Jack
Power Handling	40 Watt c.w.
VSWR	< 3.5:1 max , typically < 2.5:1
Gain	-2.2 to 6.9 dBi for 1 to 40 GHz
Azimuth Ripple	Typically < +/- 1dB on horizon
3dB Beamwidth	140 to 20 degrees (Elevation)
10dB Beamwidth	170 to 44.5 degrees (Elevation)
Weight	720 g
Size- max.	100 mm diameter x 108 mm long inc. connector
Mounting	Angled Mounting Plate
Construction	Aluminium and engineering plastics

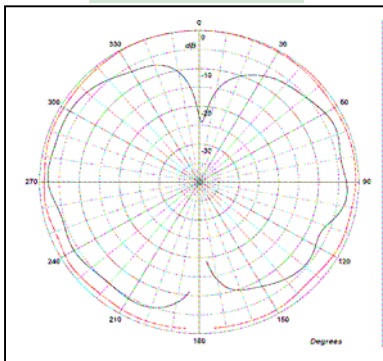
Typical Antenna Gain on Horizon / Return Loss

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.

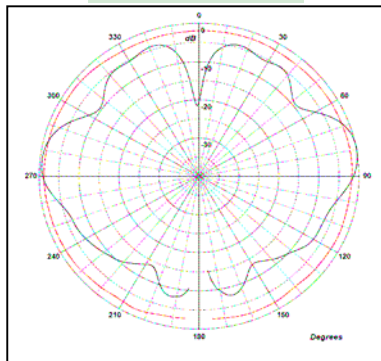




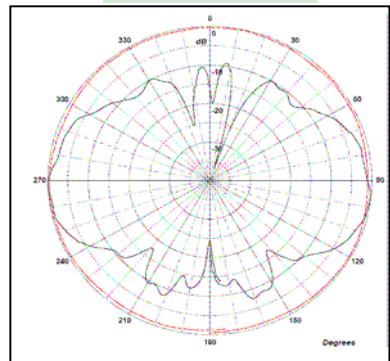
1.5 GHz



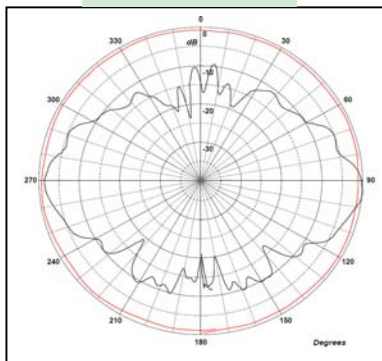
10 GHz



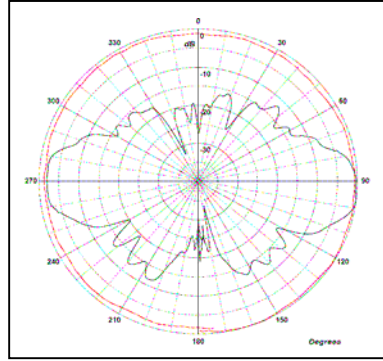
20 GHz



30 GHz



40 GHz



* connector at 180 degrees, Black = Elevation, Red = Azimuth
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