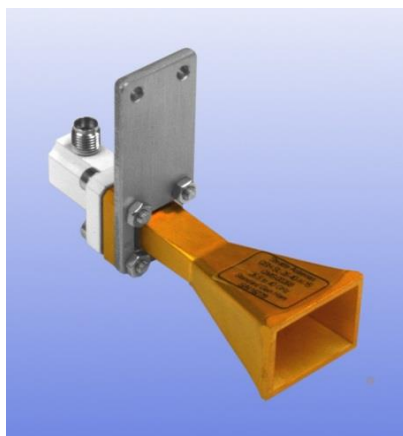


26 - 40 GHz Linearly Polarised 15 dBi Horn Antenna fitted with a K type Connector

Catalogue number **QSH-SL-26-40-K-15**

Steatite reference **QMS-00268**

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

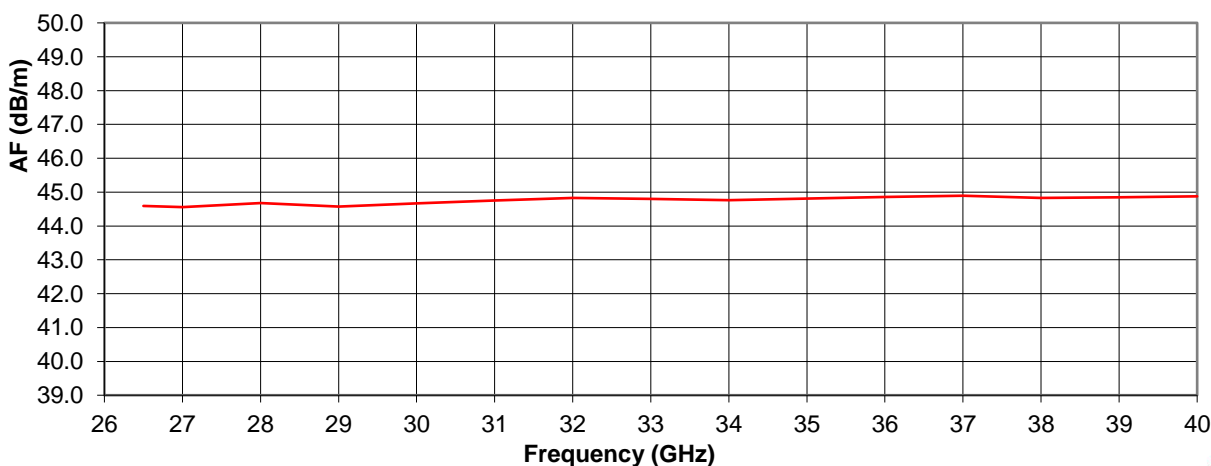
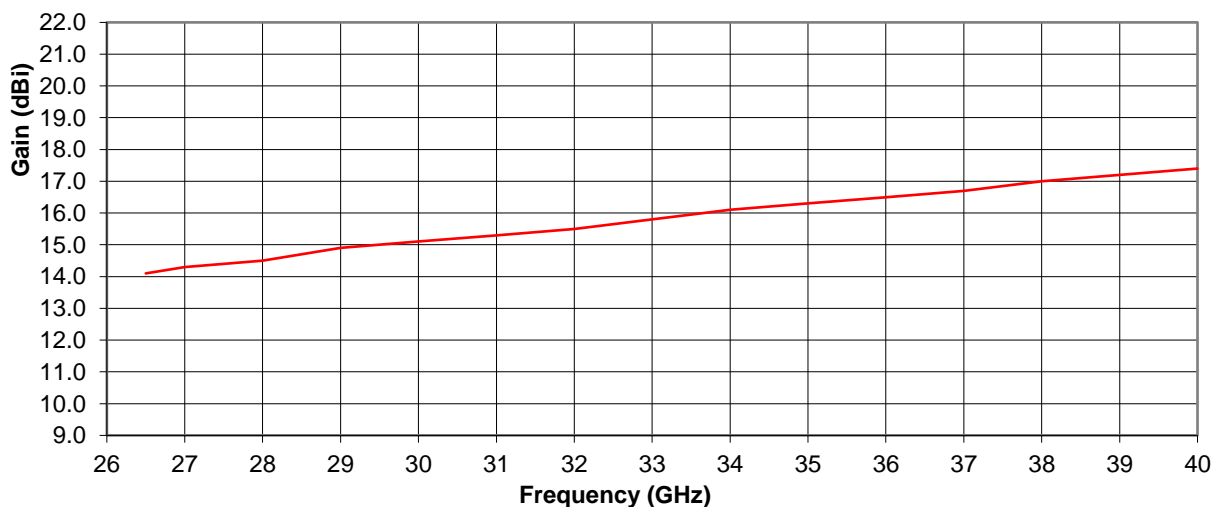


Typical Specification

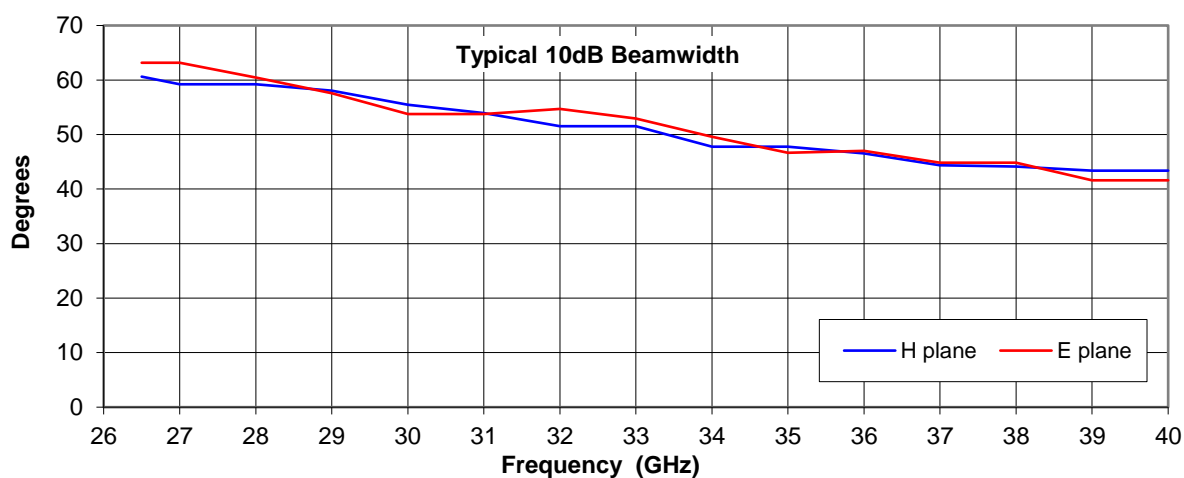
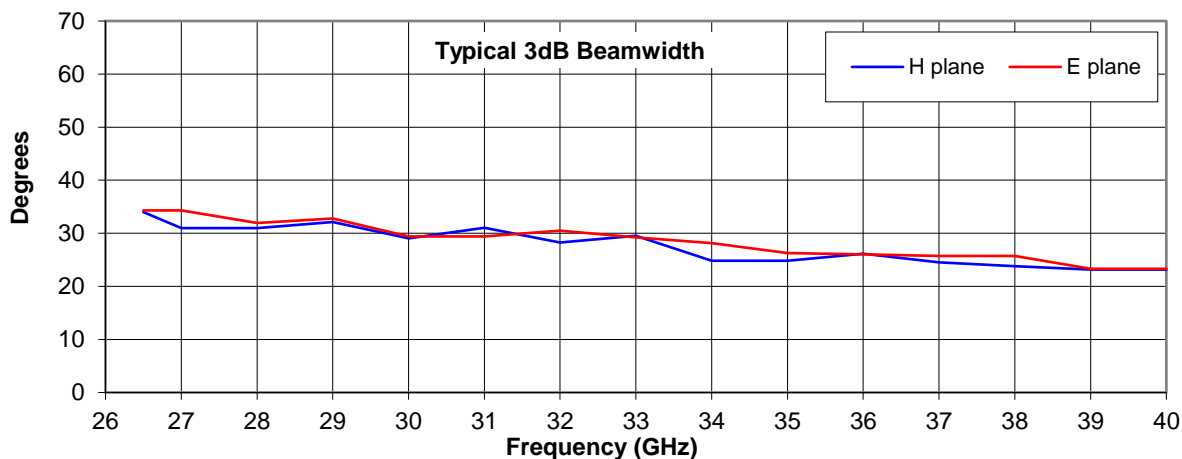
Frequency	26.5 to 40 GHz
Connector Type	K type jack (2.92 mm)
Power Handling	20 Watt c.w.
VSWR	Typically < 1.4:1
Gain	14.1 to 17.4 dBi
Antenna Factor	44.6 to 44.9 dB/m
3dB Beamwidth	23 to 34 degrees
10dB Beamwidth	42 to 63 degrees
Weight	105 g nominal
Maximum Size	25.3 mm x 20.3 mm external aperture x 78 mm long
Mounting	Side mount bracket with 2 holes, diameter 3.1 mm, 13 mm centres.
Construction	Gold plated electroformed copper horn, painted aluminium transition with anodised aluminium mount plate

Typical Antenna Gain / Factor

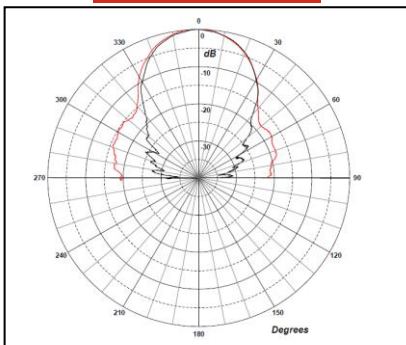
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



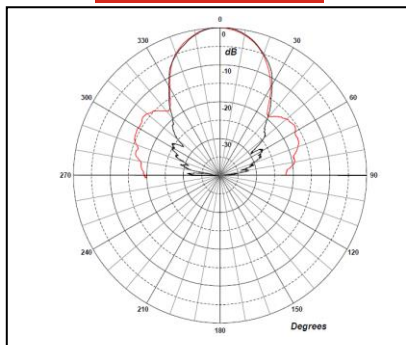
Typical Beamwidth / Radiation Patterns



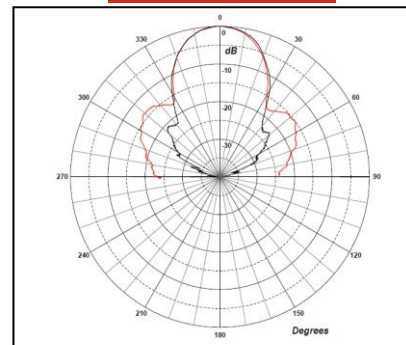
26.5 GHz



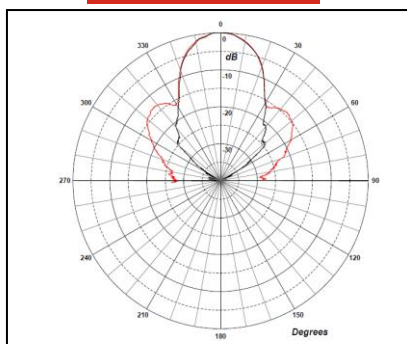
29 GHz



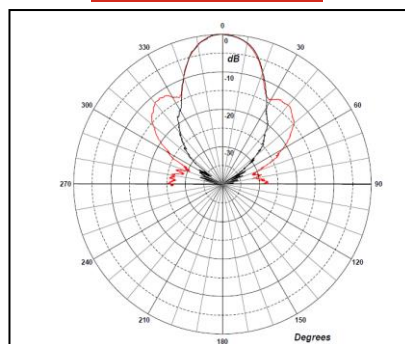
33 GHz



37 GHz



40 GHz



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

