

26 - 40 GHz Linearly Polarised 10 dBi Horn Antenna fitted with a K type Connector

Catalogue number **QSH-SL-26-40-K-10**

Q-par reference **QMS-00237**

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

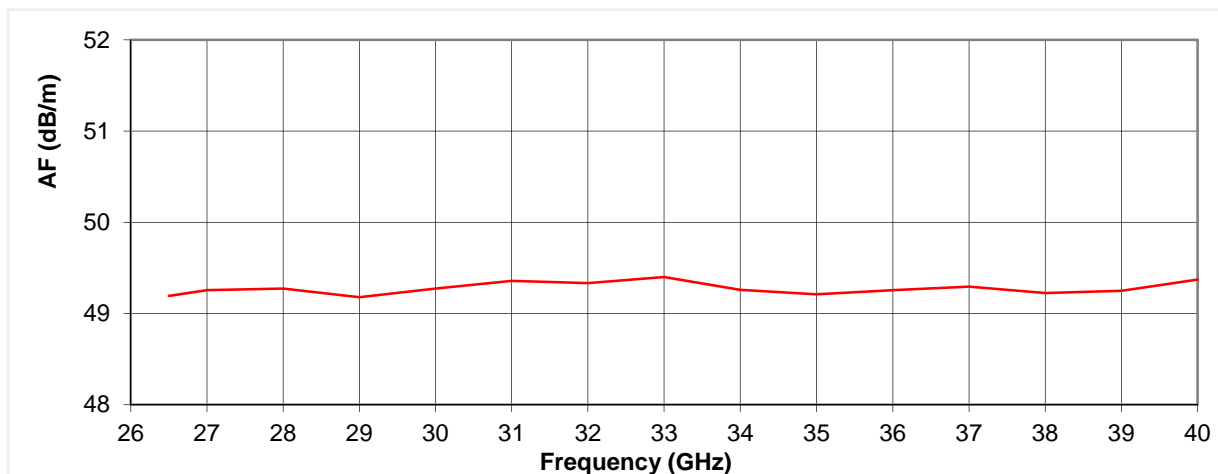
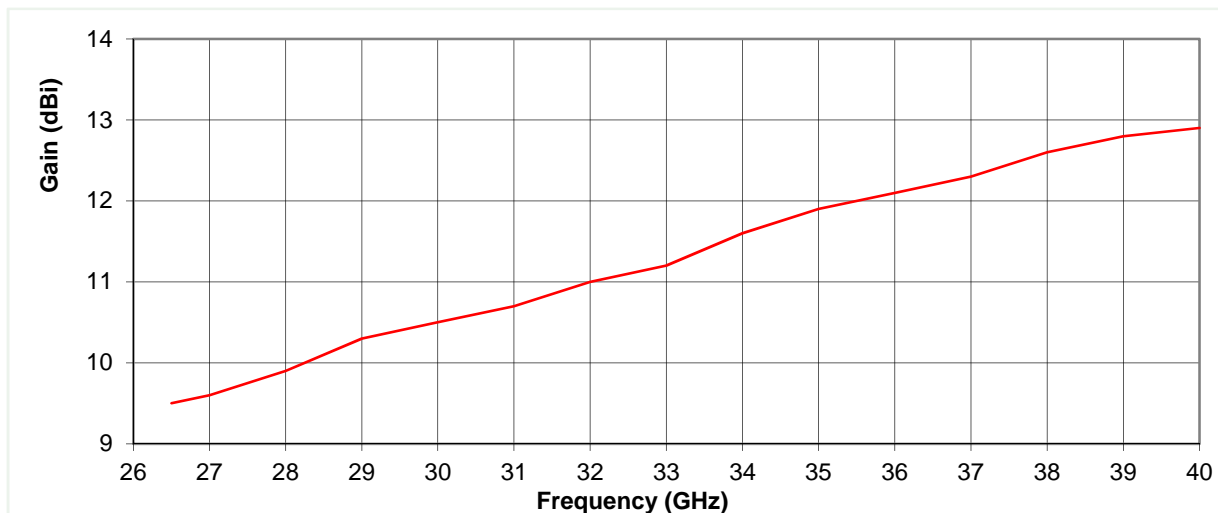


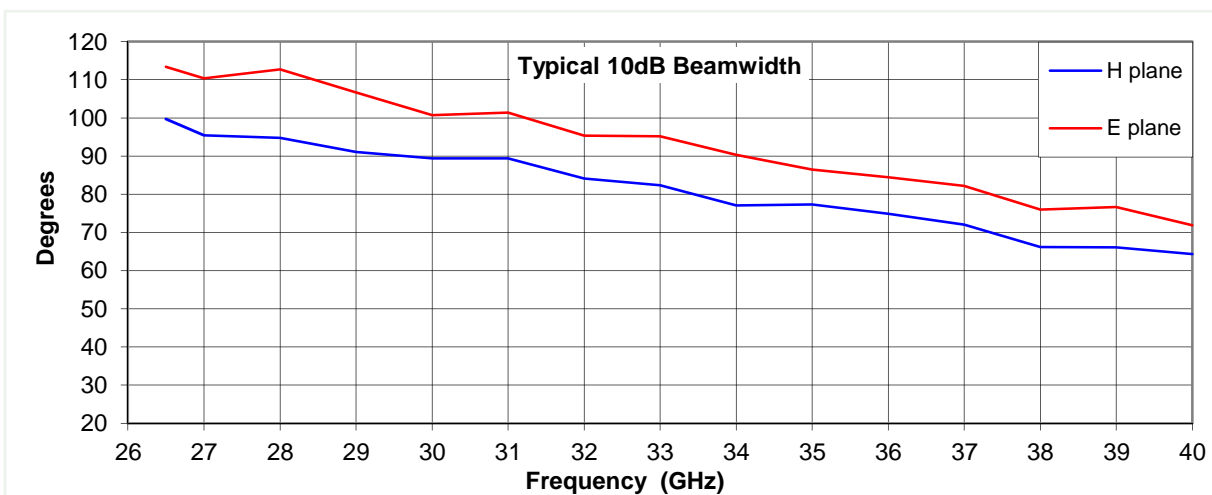
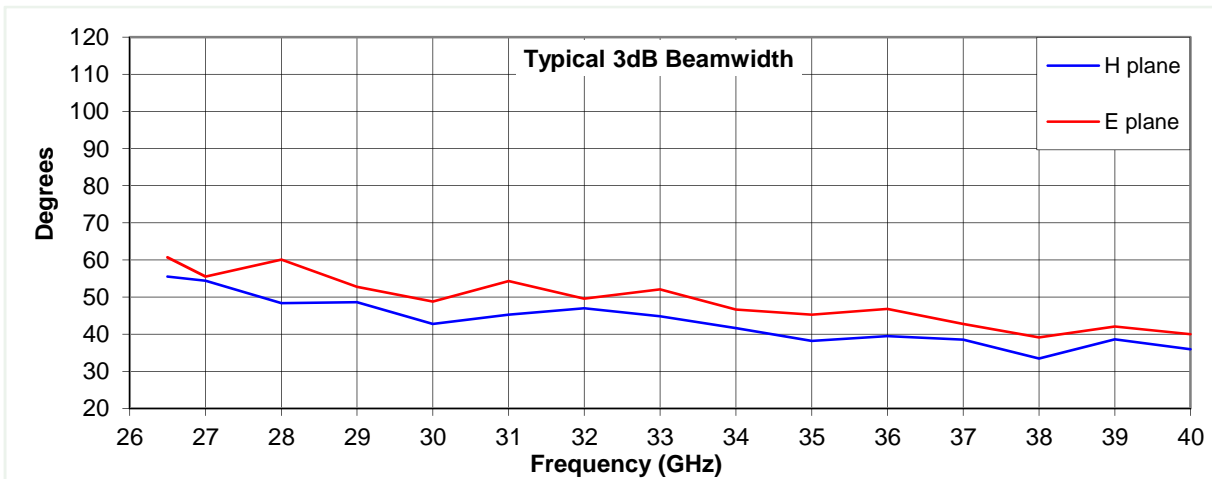
Typical Specification

Frequency	26 to 40 GHz
Connector Type	K type (2.92 mm) jack
Power Handling	20 Watt c.w.
VSWR	Typically < 1.4:1
Gain	9.5 to 12.9 dBi
Antenna Factor	49.2 to 49.4 dB/m
3dB Beamwidth	33 to 61 degrees
10dB Beamwidth	64 to 113 degrees
Weight	86 g nominal
Maximum Size	17.6 x 13.3 mm aperture x 64 mm long
Mounting	2 holes, diameter 3.1 mm, 12 mm centres
Construction	Electroformed copper with brass flange horn, painted. Aluminium transition, painted. Anodised aluminium mount plate

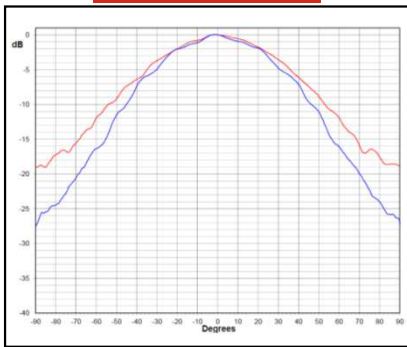
Typical Antenna Gain / Factor

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.

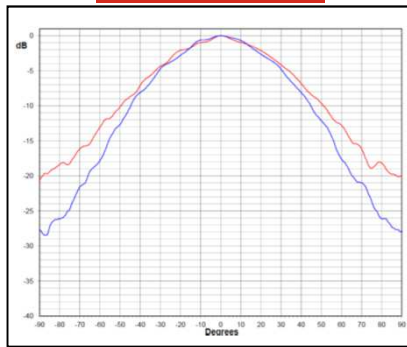




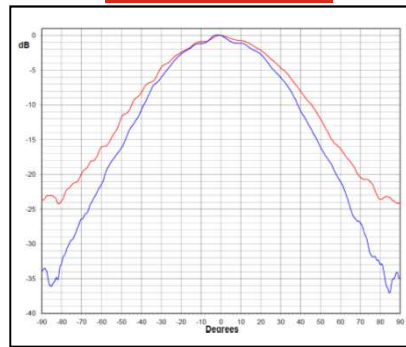
26.5 GHz



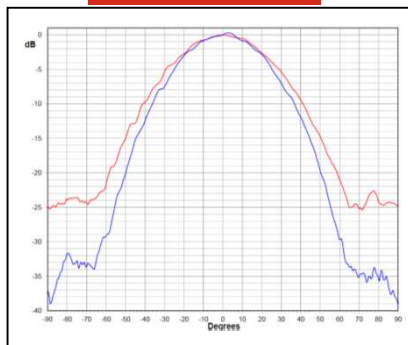
30 GHz



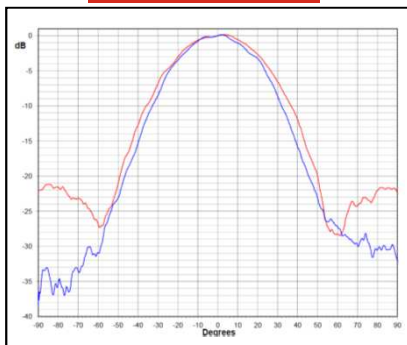
34 GHz



37 GHz



40 GHz



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

