

26 - 40 GHz Linearly Polarised 20 dBi Horn Antenna fitted with a WG22 / WR28 Flange

Catalogue number **QSH-SL-26-40-F-20**

Q-par reference **QMS-00233**

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



Typical photograph. Finish according to customer specifications.

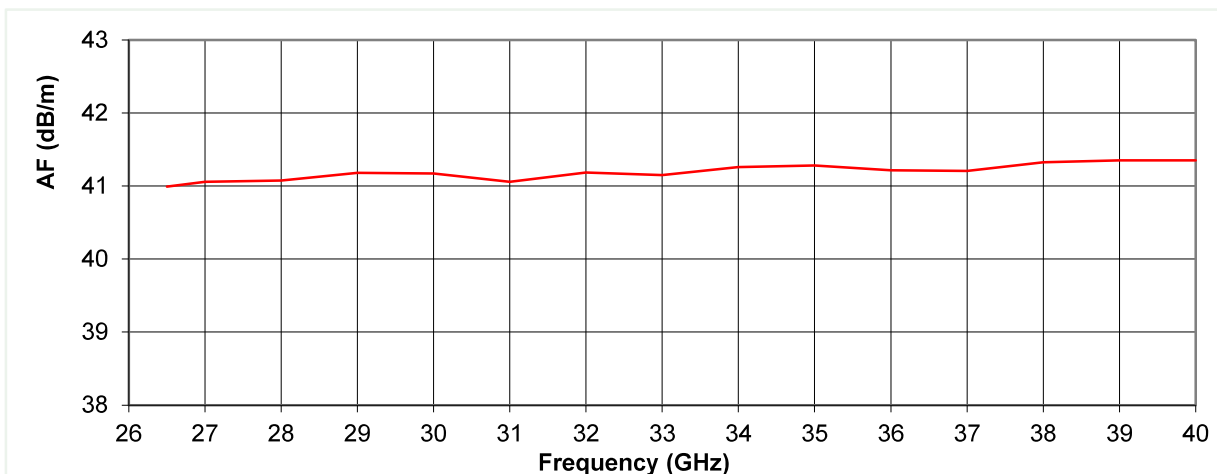
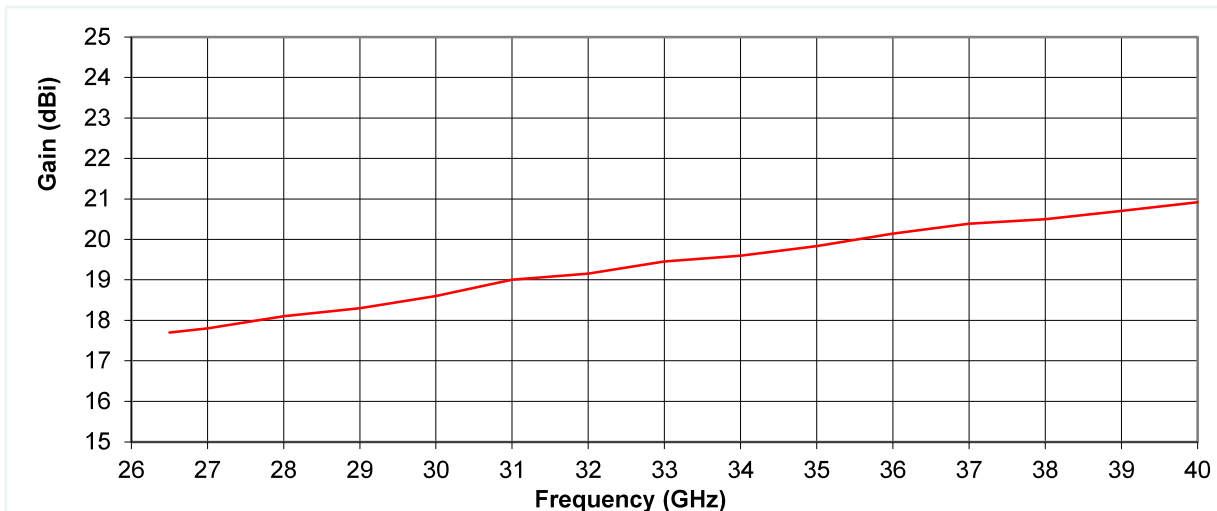


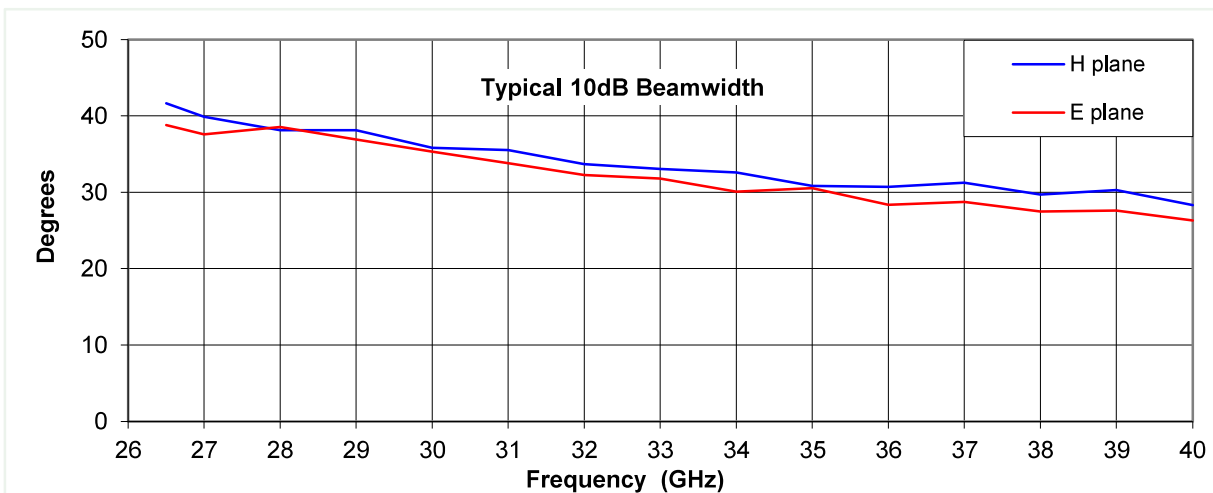
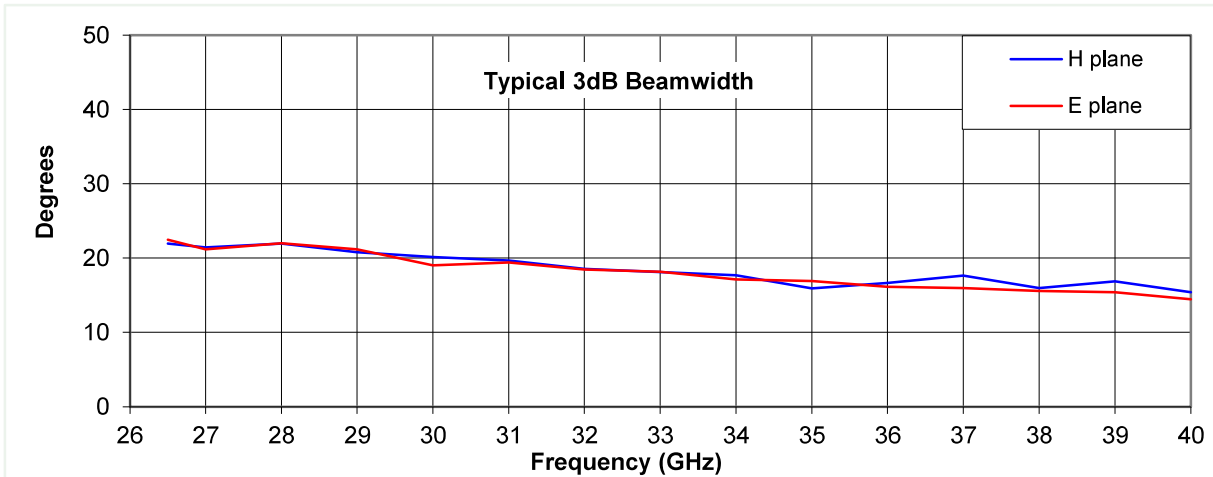
Typical Specification

Frequency	26.5 to 40 GHz
Connector Type	UG599/U (UBR320) waveguide flange
Power Handling	500 Watt c.w.
VSWR	Typically < 1.2:1
Gain	17.7 to 20.9 dBi
Antenna Factor	41 to 41.4 dB/m
3dB Beamwidth	14 to 22 degrees
10dB Beamwidth	26 to 42 degrees
Weight	90 g nominal
Maximum Size	35 mm x 27 mm external aperture x 76 mm long nominal
Mounting	UG599/U (UBR320) Waveguide flange
Construction	Gold plated electroformed copper

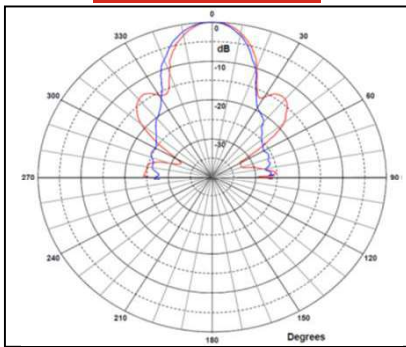
Typical Antenna Gain / Factor

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.

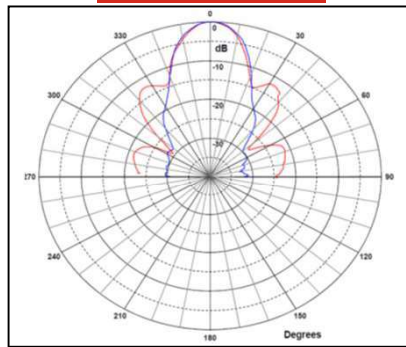




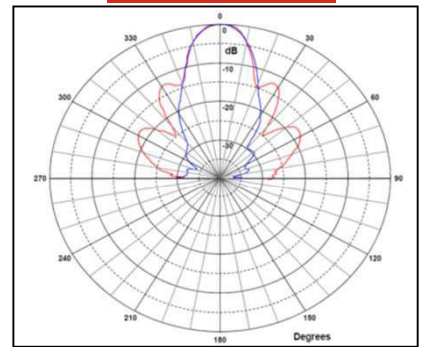
26.5 GHz



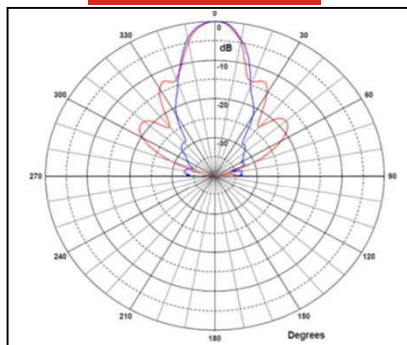
30 GHz



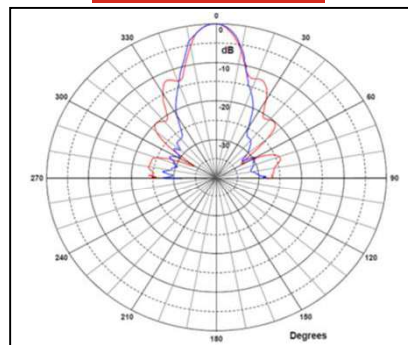
34 GHz



37 GHz



40 GHz



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

