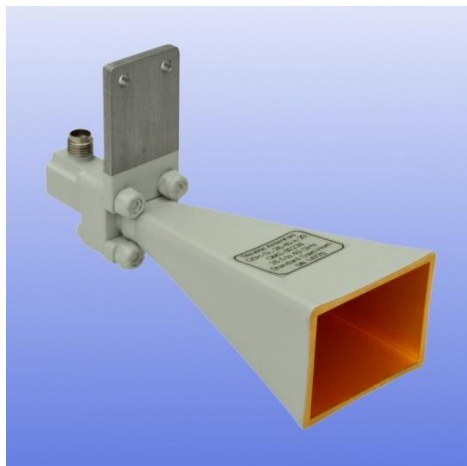


# 26 - 40 GHz Linearly Polarised 20 dBi Horn Antenna fitted with a K type Connector

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

Q-par reference **QMS-00889**

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



Typical photograph. Finish according to customer specifications.  
(Paint colour indication only)

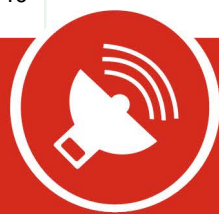
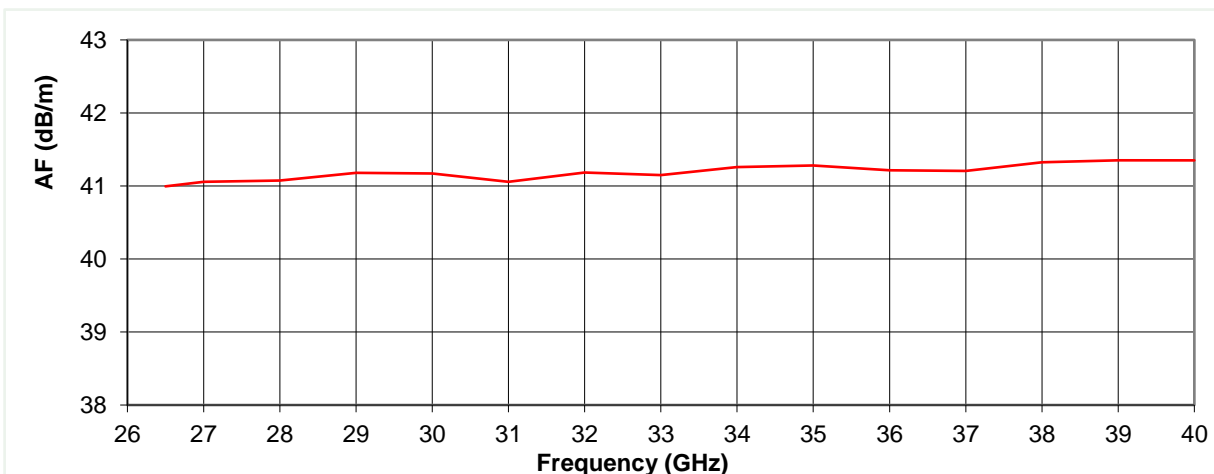
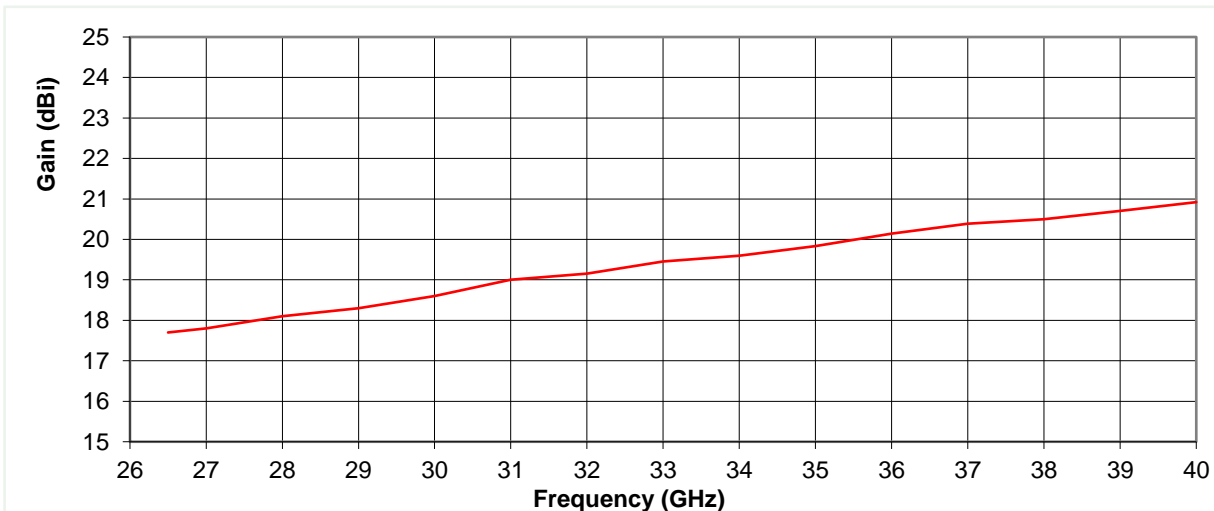


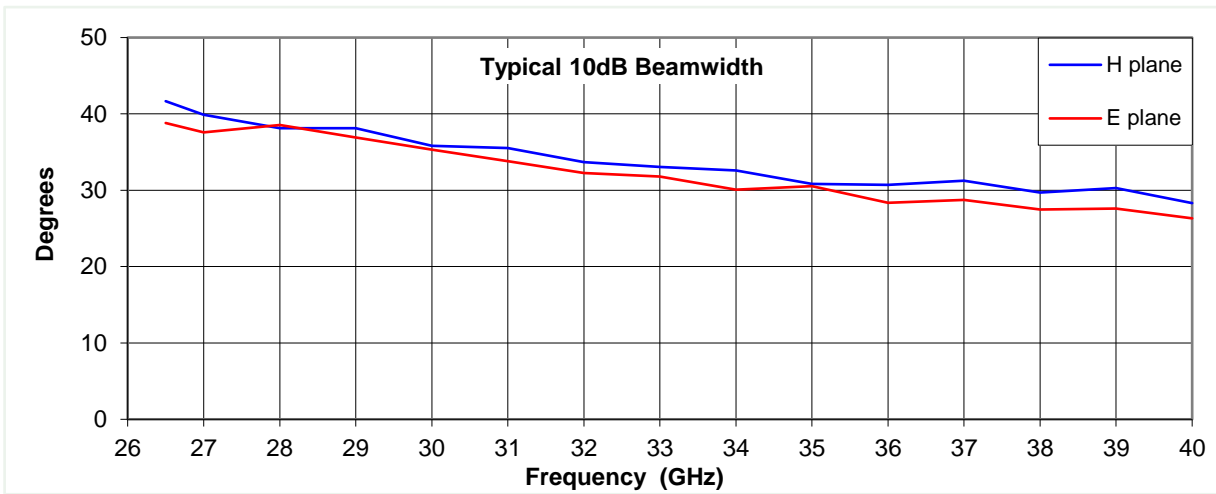
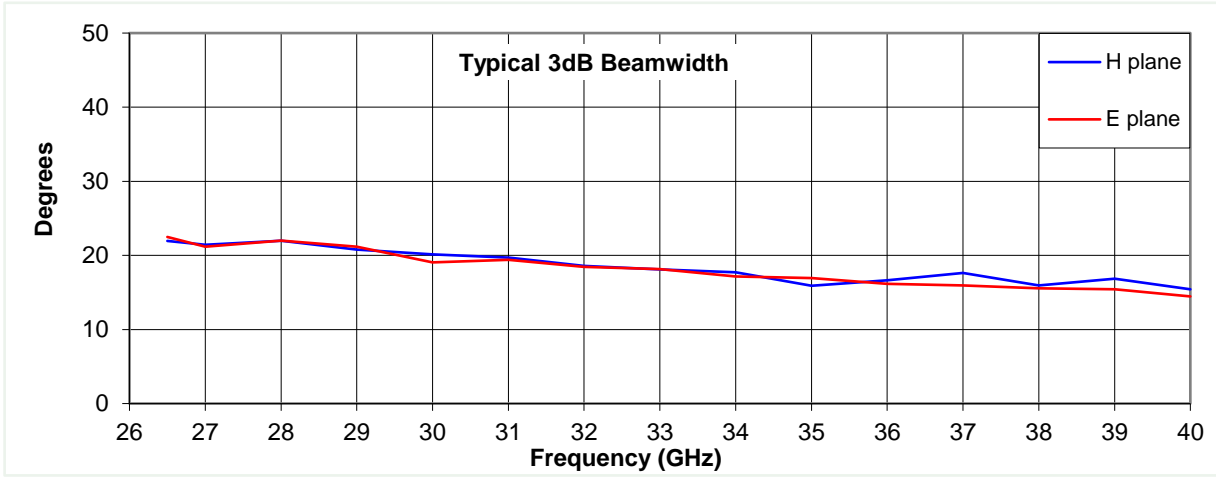
## Typical Specification

<b>Frequency</b>	26.5 to 40 GHz
<b>Connector Type</b>	K type jack
<b>Power Handling</b>	20 Watt c.w.
<b>VSWR</b>	Typically < 1.3:1
<b>Gain</b>	17.7 to 20.9 dBi
<b>Antenna Factor</b>	41 to 41.4 dB/m
<b>3dB Beamwidth</b>	14 to 22 degrees
<b>10dB Beamwidth</b>	26 to 42 degrees
<b>Weight</b>	146 g nominal
<b>Maximum Size</b>	37 mm x 29 mm external aperture x 100 mm long
<b>Mounting</b>	Mounting bracket with 2 holes, diameter 3.1 mm, on 12 mm centres.
<b>Construction</b>	Gold plated electroformed copper with anodised aluminium mounting bracket. Painted aluminium transition.

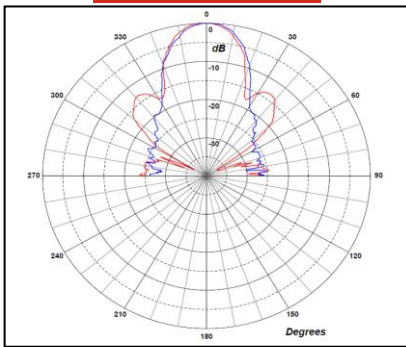
## Typical Antenna Gain / Factor

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.

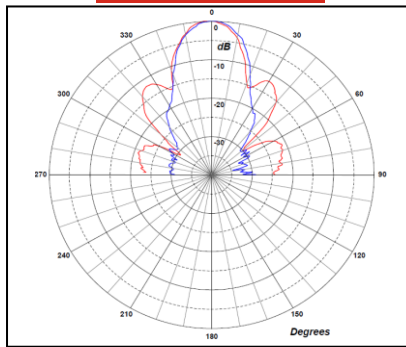




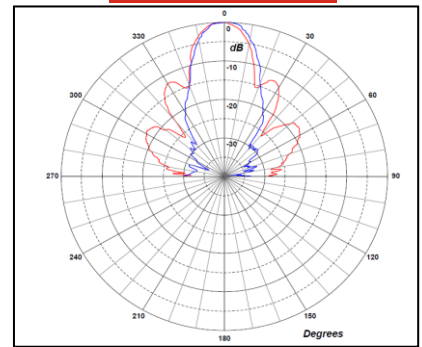
**26.5 GHz**



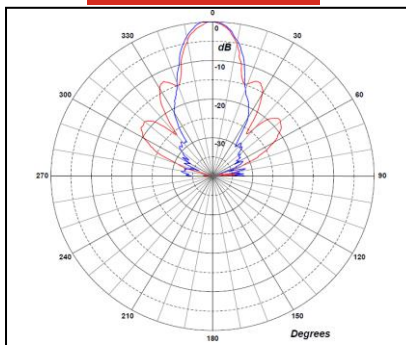
**30 GHz**



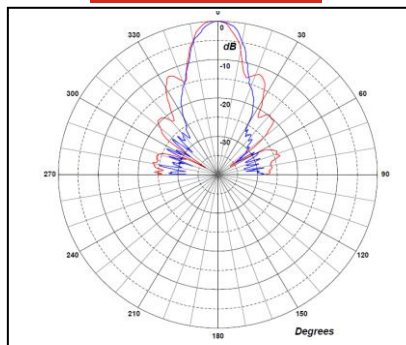
**34 GHz**



**37 GHz**



**40 GHz**



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

