

## 15 - 22 GHz Linearly Polarised 20 dBi Horn Antenna fitted with a Waveguide Flange

Catalogue number **QSH-SL-15-22-F-20**

Q-par reference **QMS-00384**

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



Typical photograph. Finish according to customer specifications.

SD 16/09/2014 3278

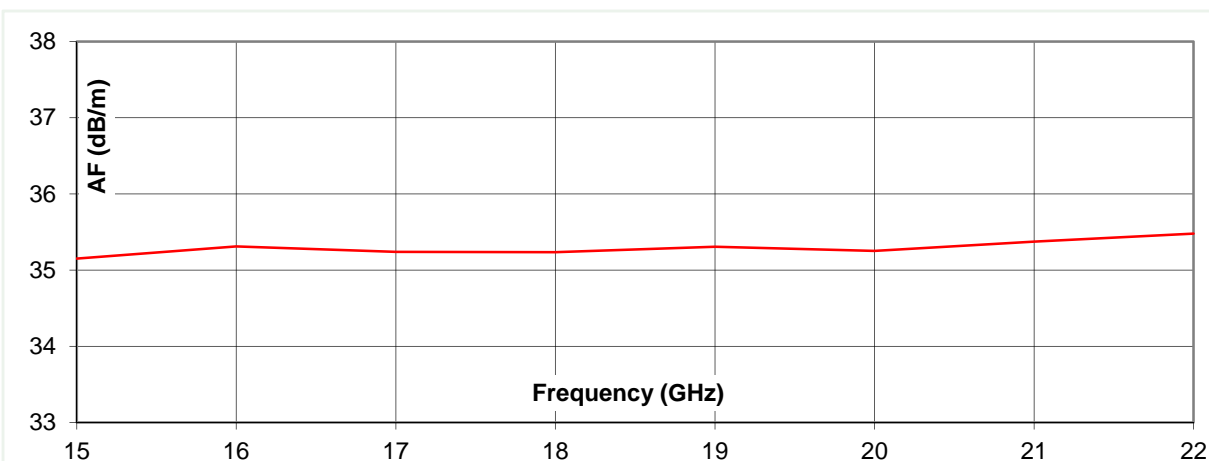
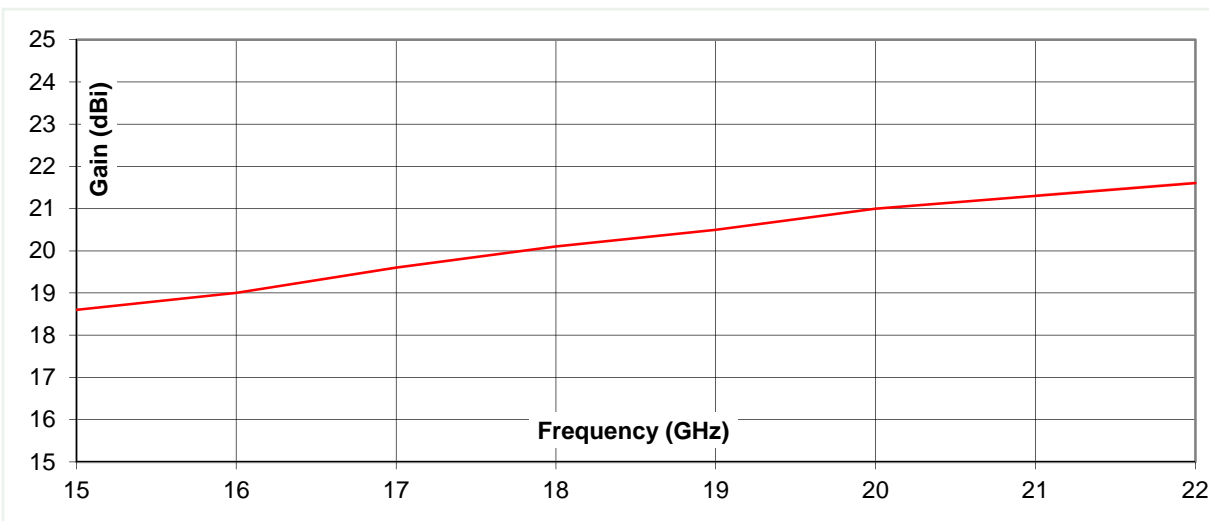


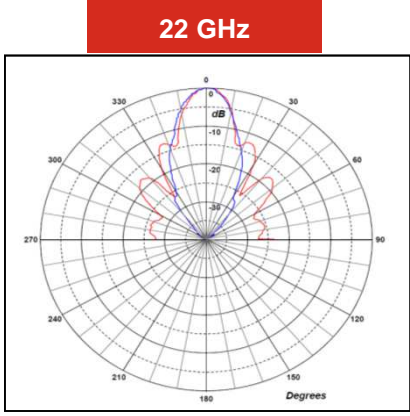
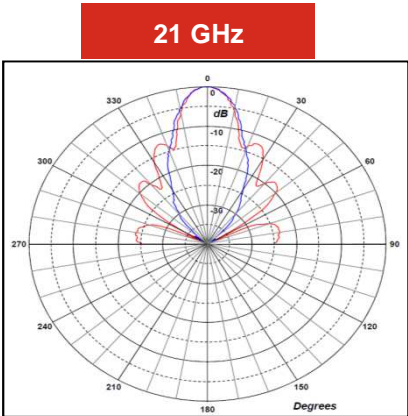
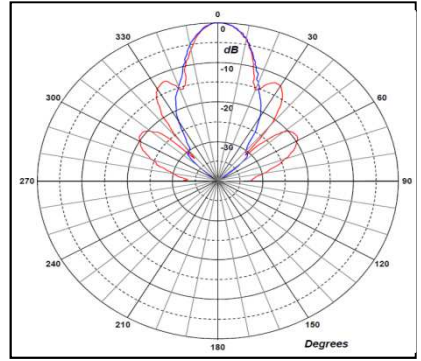
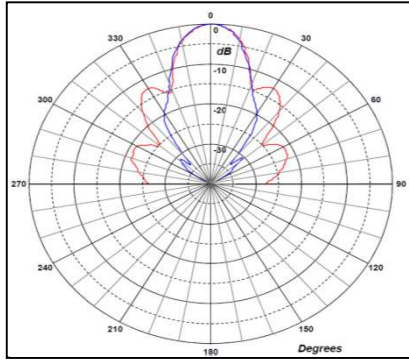
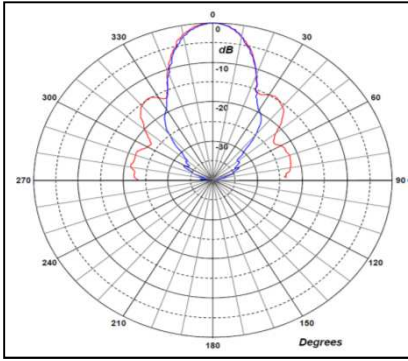
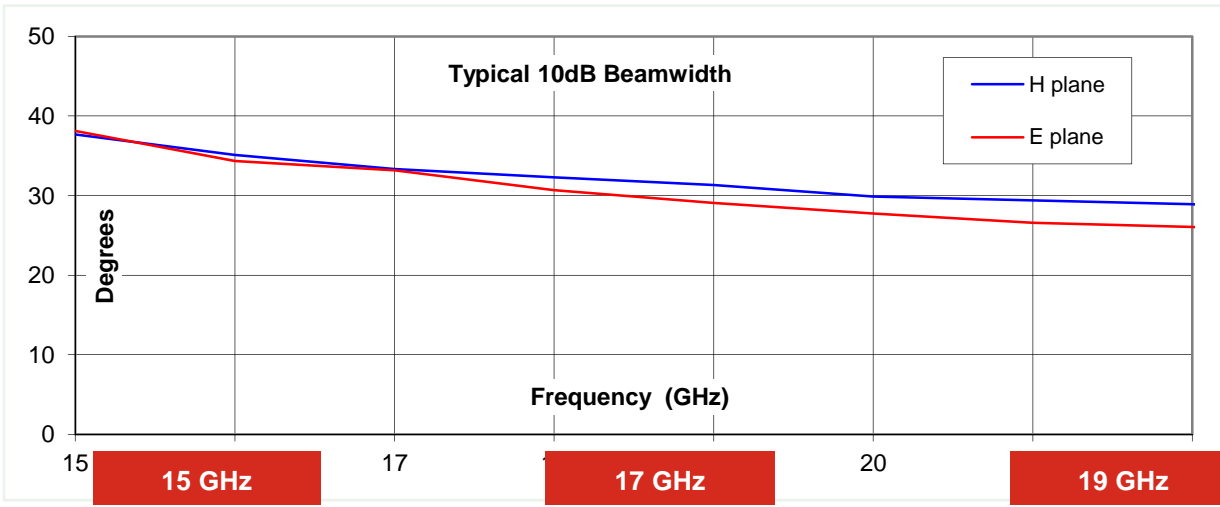
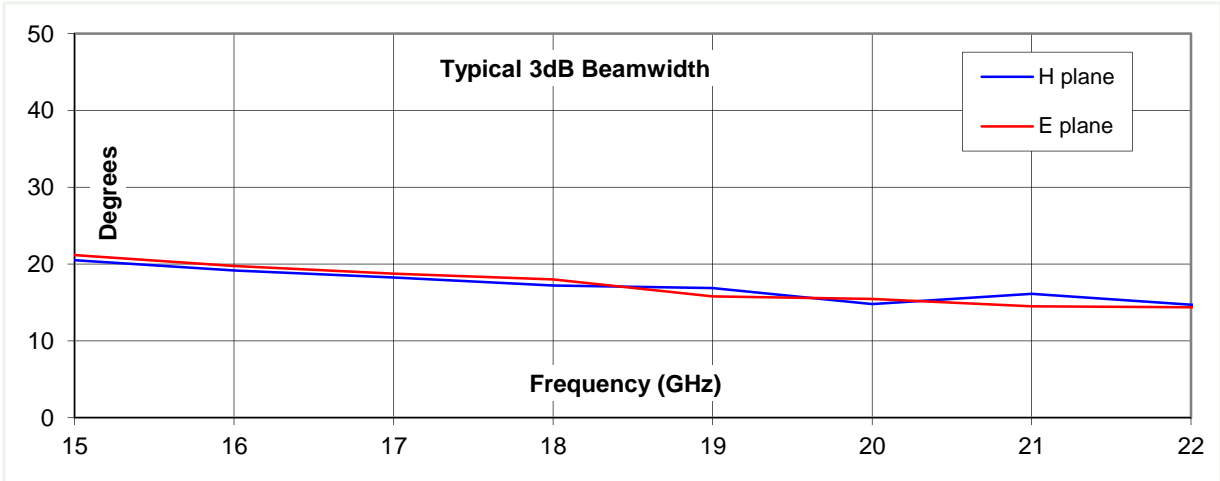
## Typical Specification

<b>Frequency</b>	15 to 22 GHz
<b>Connector type</b>	UBR180 Waveguide flange
<b>Power Handling</b>	1 kWatt c.w.
<b>VSWR</b>	< 1.15 :1
<b>Gain</b>	18.6 to 21.6 dBi
<b>Antenna Factor</b>	35.2 to 35.5 dB/m
<b>3dB Beamwidth</b>	14 to 22 degrees
<b>10dB Beamwidth</b>	25 to 39 degrees
<b>Weight</b>	200 g nominal
<b>Maximum size</b>	69 x 49 x 150 mm long
<b>Mounting</b>	UBR180 Waveguide flange
<b>Construction</b>	Electroformed copper, painted

## 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.





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

