

## 0.6 m Aluminium Reflector & 8 - 12 GHz Feed fitted with an SMA type connector and a radome

Catalogue number **QSR-600-A-228 & QSF-SL-8-12-S-R**

Q-par reference **QMS-00572**

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

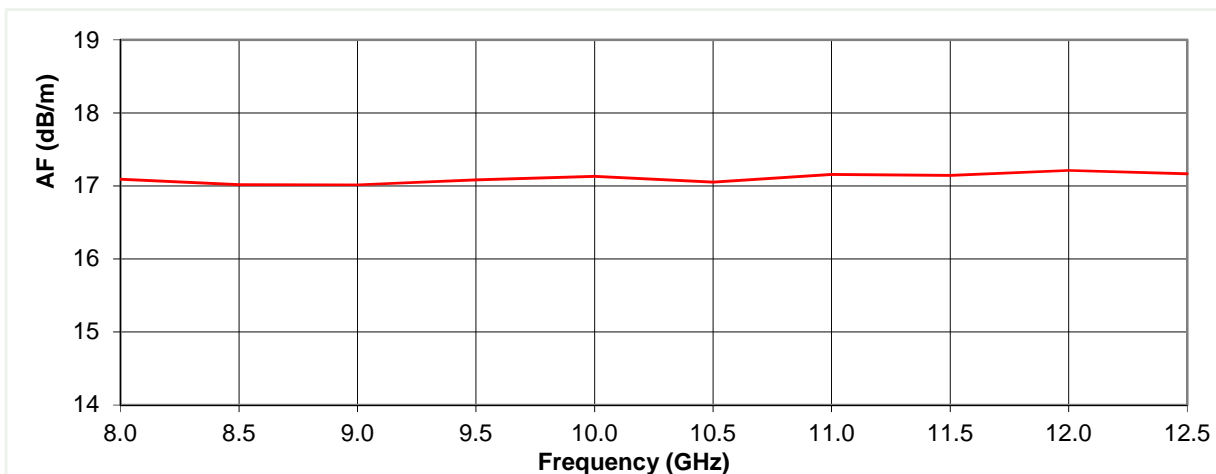
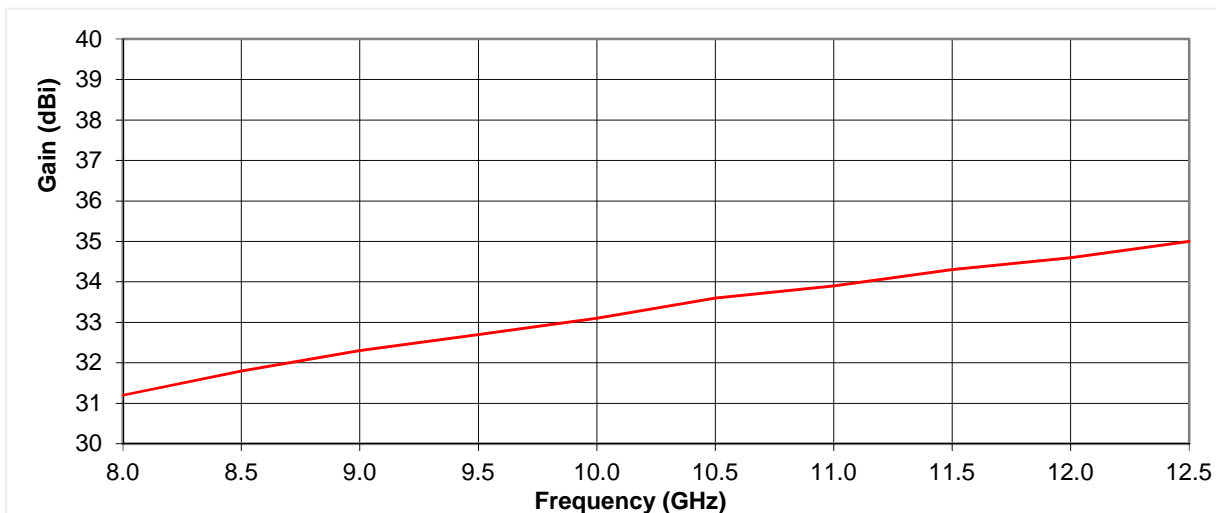


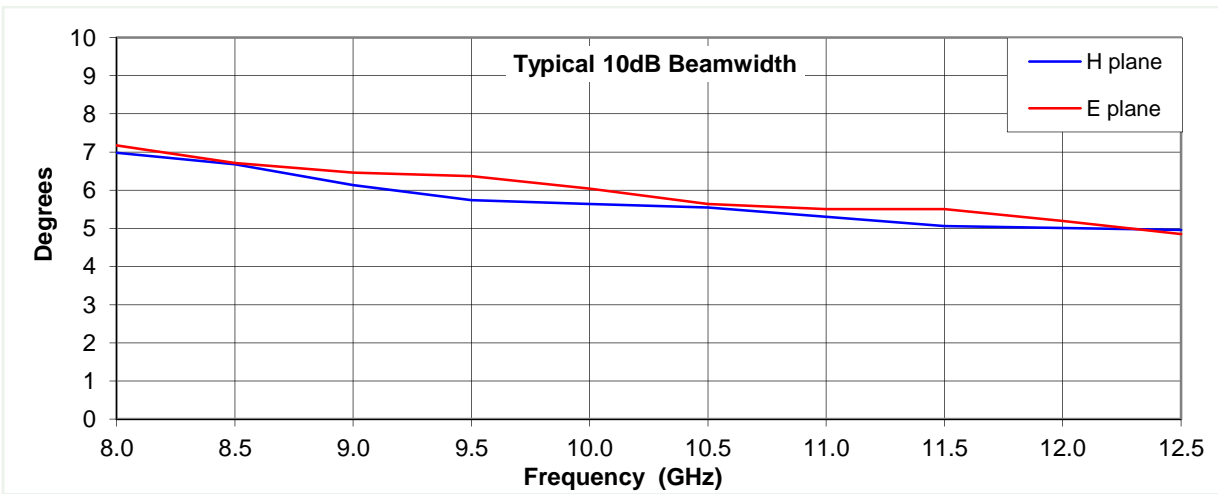
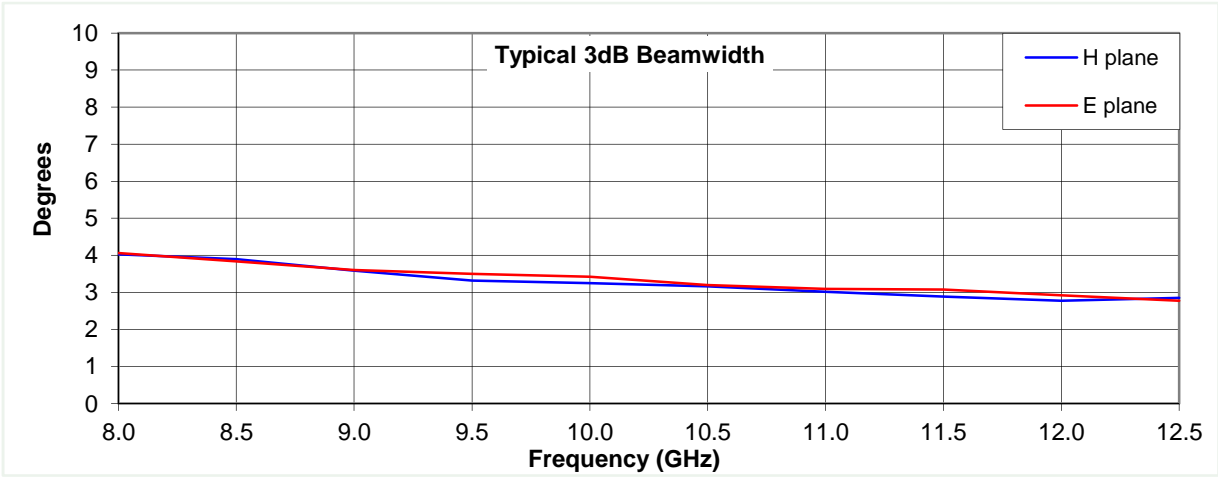
## Typical Specification

<b>Frequency</b>	8 to 12.5 GHz
<b>Connector Type</b>	SMA type jack
<b>Power Handling</b>	40 Watt c.w.
<b>VSWR</b>	<1.8:1
<b>Gain</b>	31.2 to 35 dBi
<b>Antenna Factor</b>	17 to 17.2 dB/m
<b>3dB Beamwidth</b>	3 to 4 degrees
<b>10dB Beamwidth</b>	5 to 7 degrees
<b>Weight</b>	4.8 kg nominal
<b>Maximum Size</b>	Diameter 640 mm
<b>Reflector F/D</b>	0.38
<b>Mounting</b>	8 holes, tapped M6, 125 mm pitch circle diameter
<b>Construction</b>	Aluminium reflector, powdercoat finish. Composite brass / copper / plastic feed, painted.

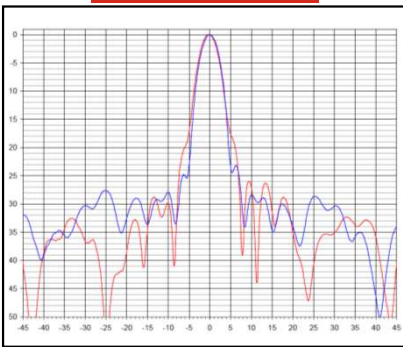
## Typical Antenna Gain / Factor

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.

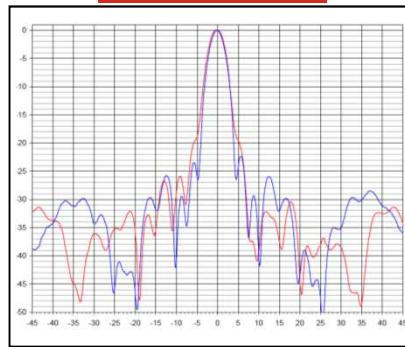




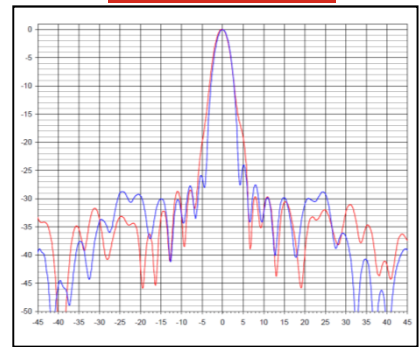
8 GHz



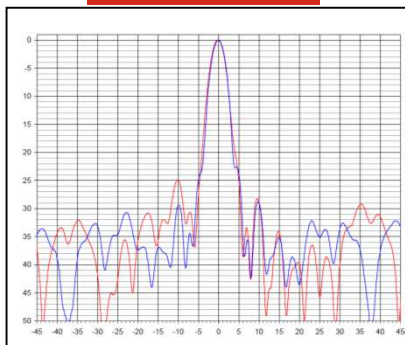
9 GHz



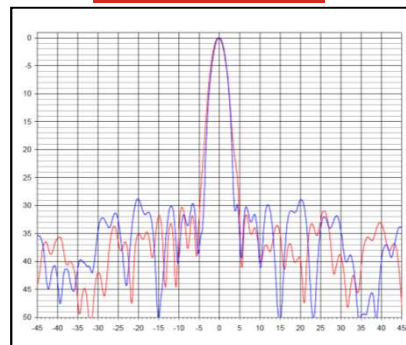
10 GHz



11 GHz



12 GHz



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

