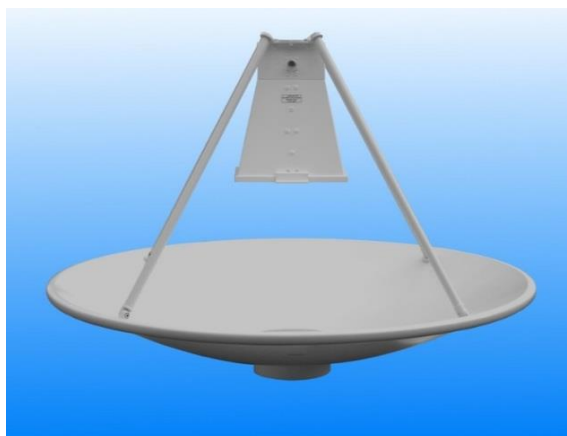


# 0.9 m Aluminium Reflector & 1 - 2.5 GHz Wideband Reflector Feed fitted with an N type Connector and a Radome

Catalogue number **QSR-900-A-337 & QWF-SL-1-2.5-N-R**

Q-par reference **QMS-00623**

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

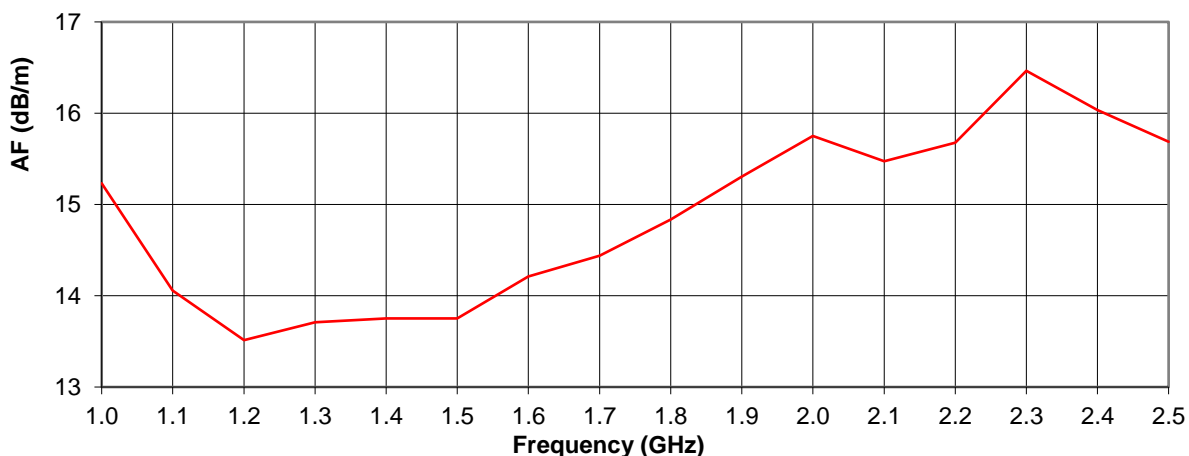
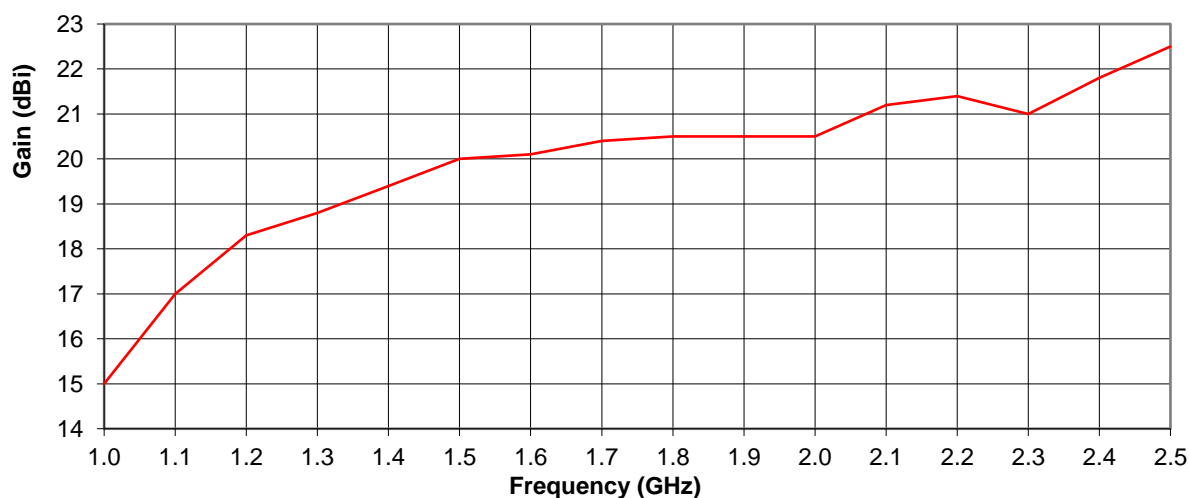


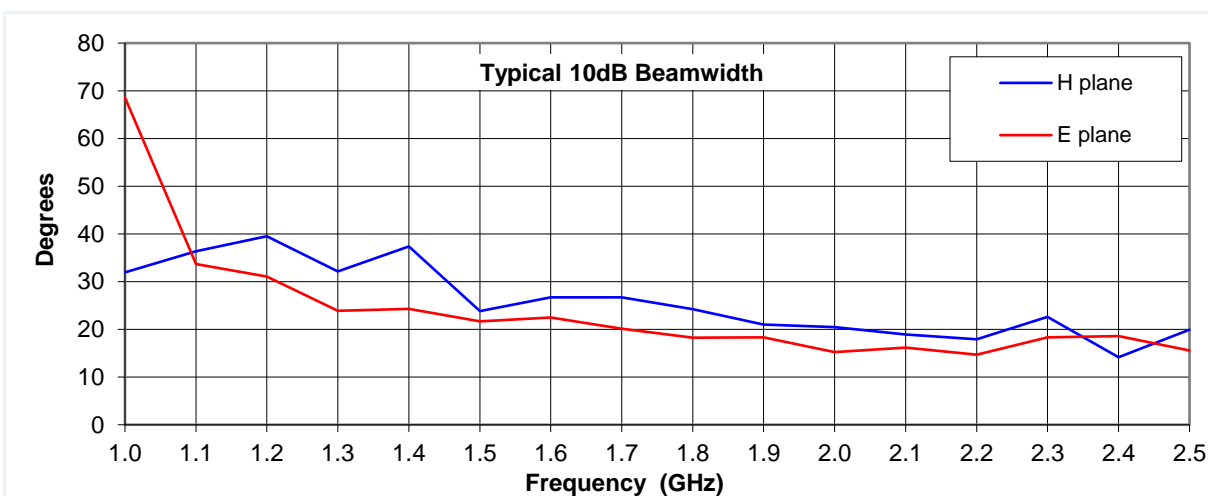
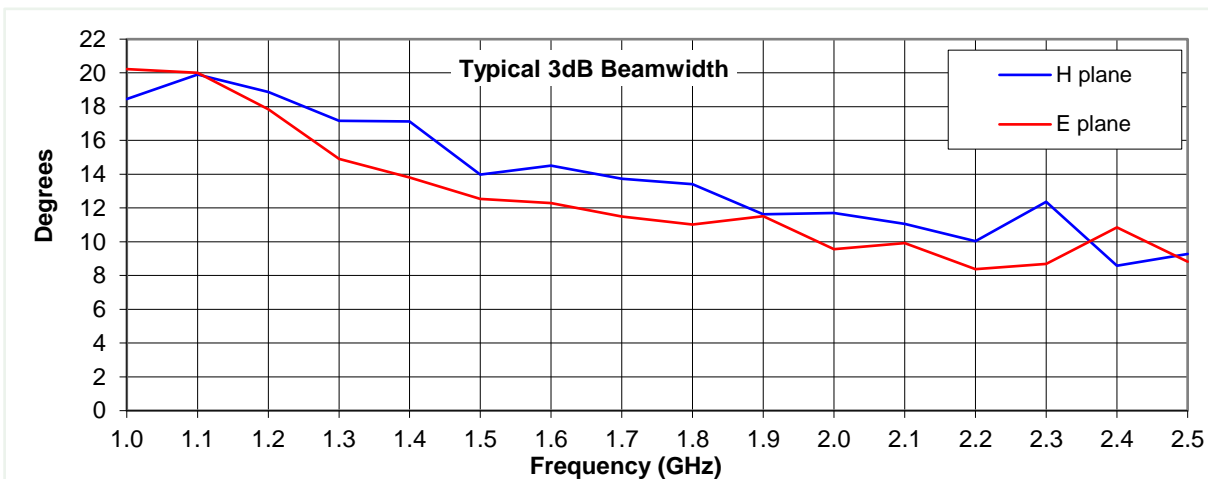
## Typical Specification

<b>Frequency</b>	1 to 2.5 GHz
<b>Connector Type</b>	N type jack
<b>Power Handling</b>	500 watt c.w.
<b>VSWR</b>	Typically < 2.5:1
<b>Gain</b>	15 to 22.5 dBi
<b>Antenna Factor</b>	13.5 to 16.5 dB/m
<b>3dB Beamwidth</b>	8 to 20 degrees
<b>10dB Beamwidth</b>	14 to 69 degrees
<b>Weight</b>	10.2 kg nominal
<b>Maximum Size</b>	Reflector diameter 930 mm
<b>Mounting</b>	8 holes, tapped M6 on 125 mm pitch circle diameter
<b>Construction</b>	Aluminium painted, with plastic radome.

## 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.

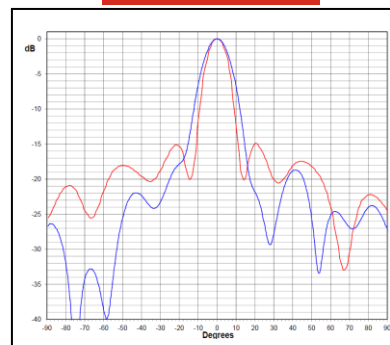
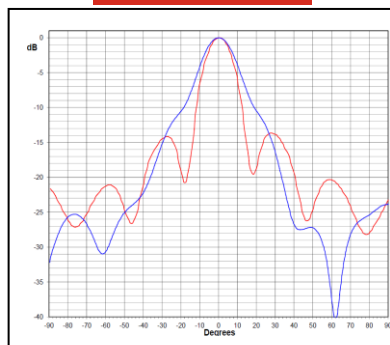
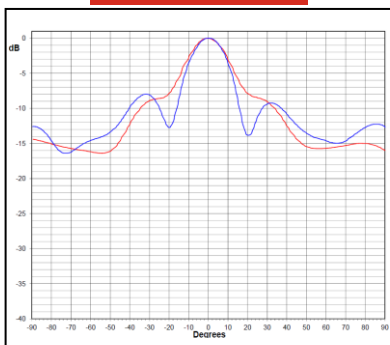




**1 GHz**

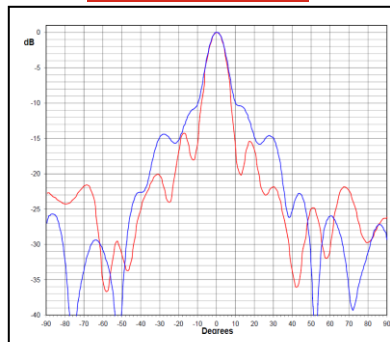
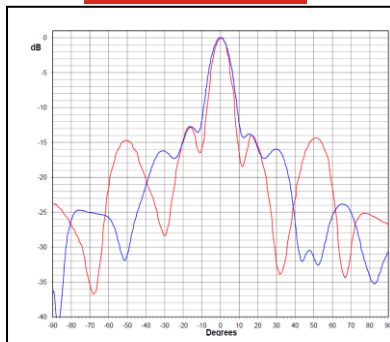
**1.4 GHz**

**1.8 GHz**



**2.2 GHz**

**2.5 GHz**



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

