

# 0.6 m Aluminium Reflector & 6.5 - 18 GHz Wideband Reflector Feed fitted with an SMA type Connector and a Radome

Catalogue number **QSR-600-A-228 & QWF-SL-6.5-18-S-R**

Q-par reference **QMS-00618**

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

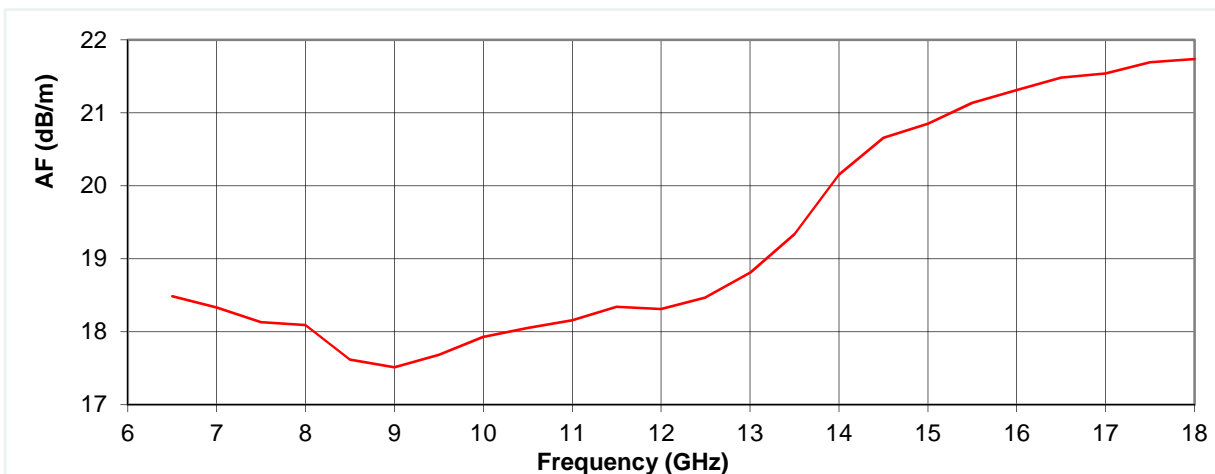
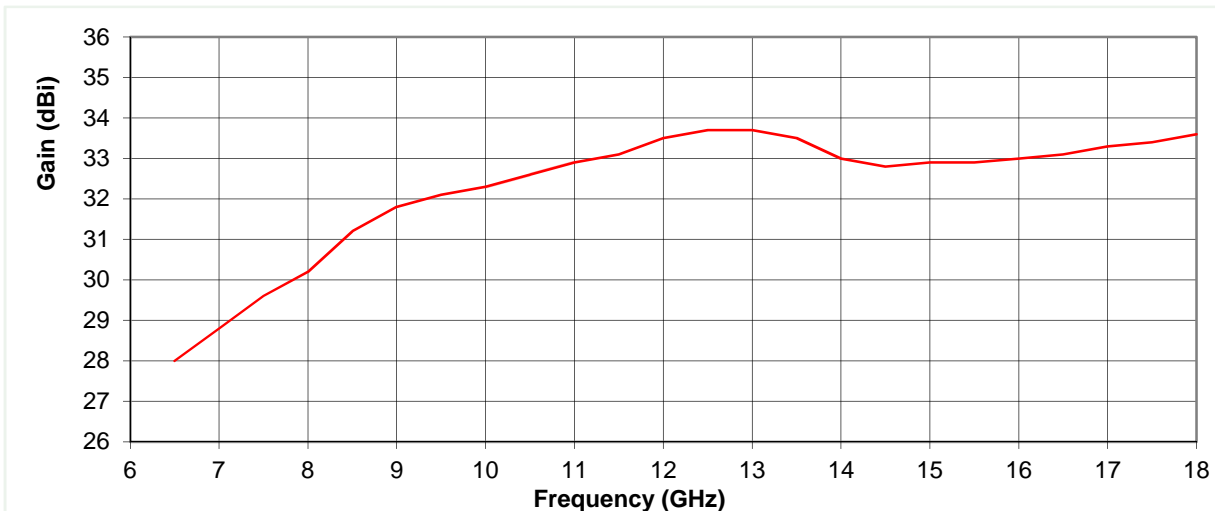


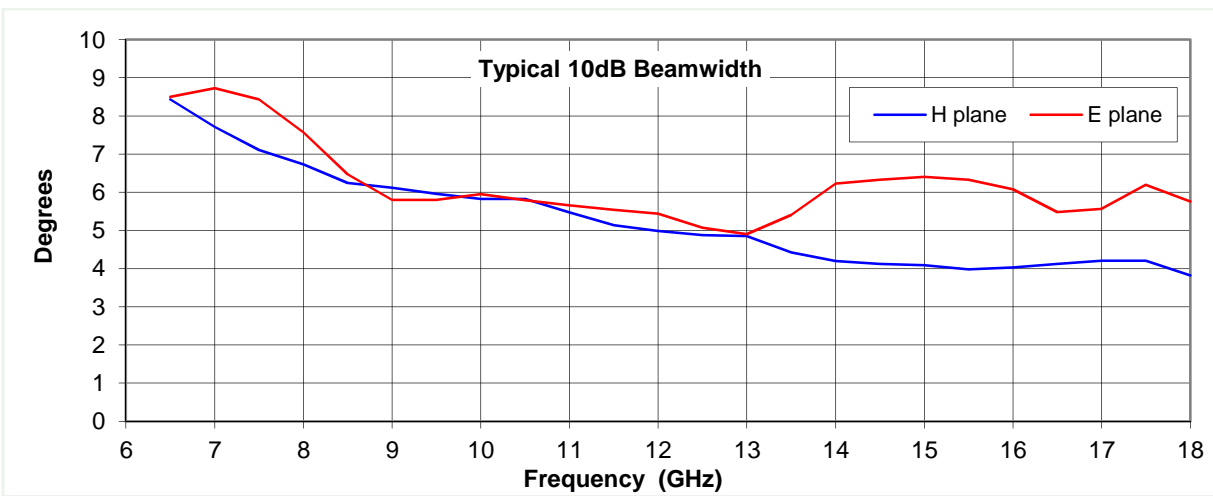
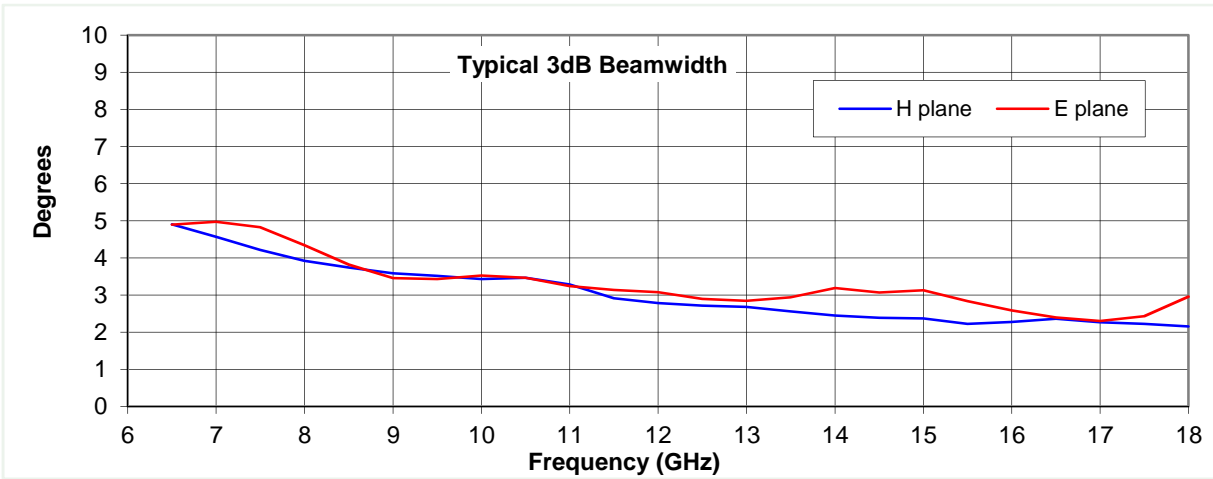
## Typical Specification

<b>Frequency</b>	6 to 18 GHz
<b>Connector Type</b>	SMA jack
<b>Power Handling</b>	40 Watt c.w.
<b>VSWR</b>	Typically <2.0:1
<b>Gain</b>	28 to 33.7 dBi
<b>Antenna Factor</b>	17.5 to 21.7 dB/m
<b>3dB Beamwidth</b>	2 to 5 degrees
<b>10dB Beamwidth</b>	4 to 9 degrees
<b>Weight</b>	4.52 kg nominal
<b>Maximum Size</b>	Diameter 640 mm
<b>Mounting</b>	8 holes, tapped M6, 125 mm pitch circle diameter
<b>Construction</b>	Aluminium reflector, powdercoat finish. Composite brass / copper / plastic feed, with aluminium transition, painted.

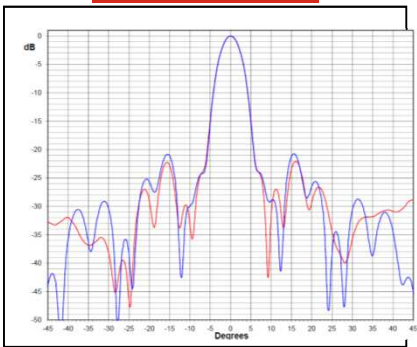
## Typical Antenna Gain / Factor

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.

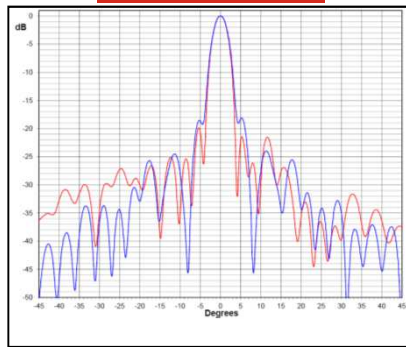




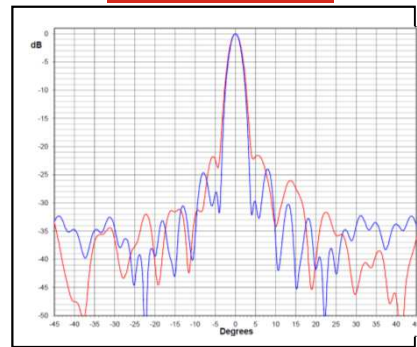
**6.5 GHz**



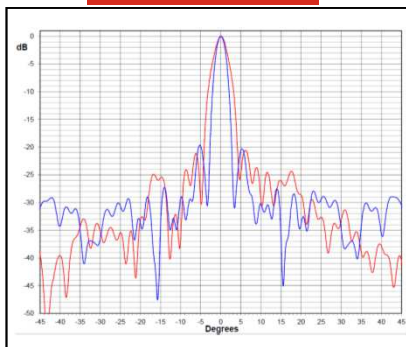
**9.0 GHz**



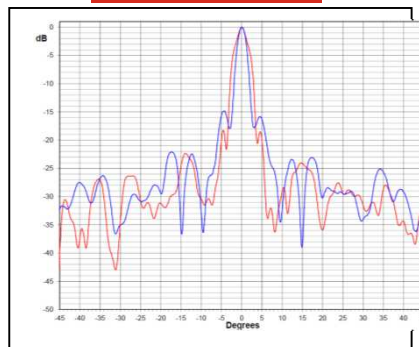
**12 GHz**



**15 GHz**



**18 GHz**



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

