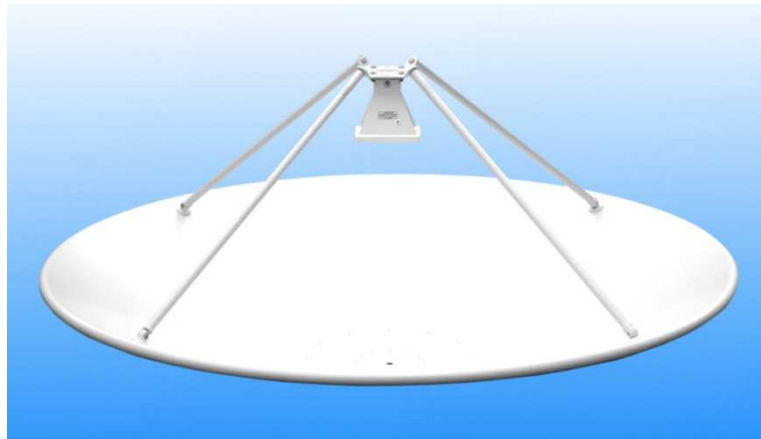


1.2 m Aluminium Reflector & 2 - 18 GHz Wideband Feed fitted with an SMA type connector and radome

Catalogue number **QSR-1200-A-457 & QWF-SL-2-18-S-R**

Q-par reference **QMS-00011**

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



QQD06-2 V1.0

DWH DRAFT

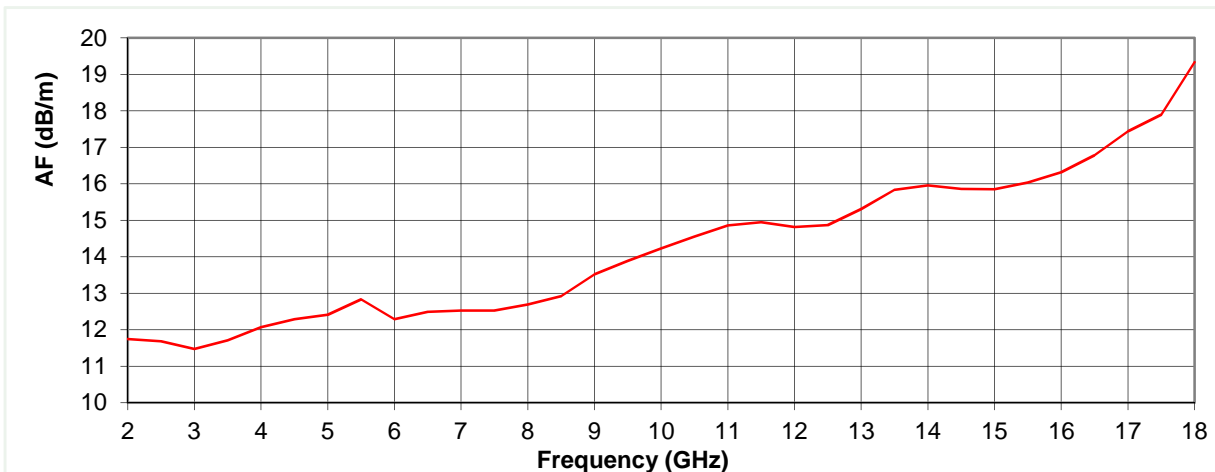
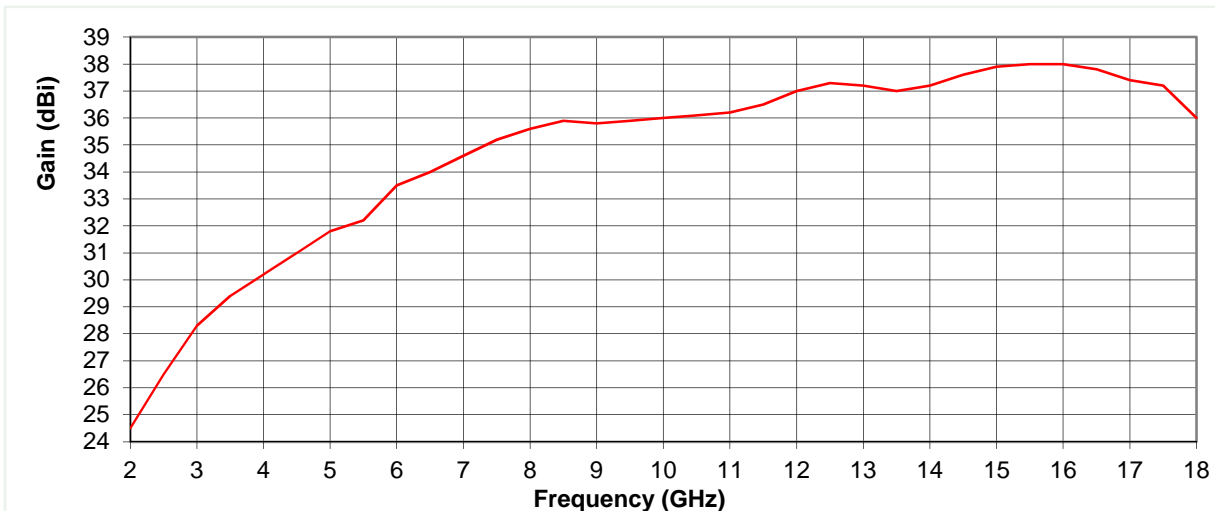


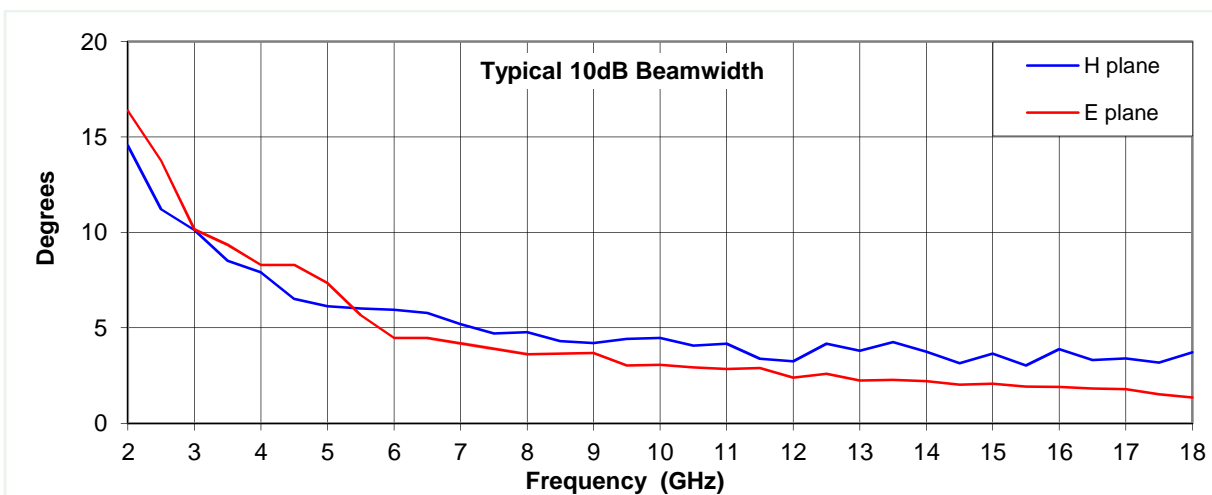
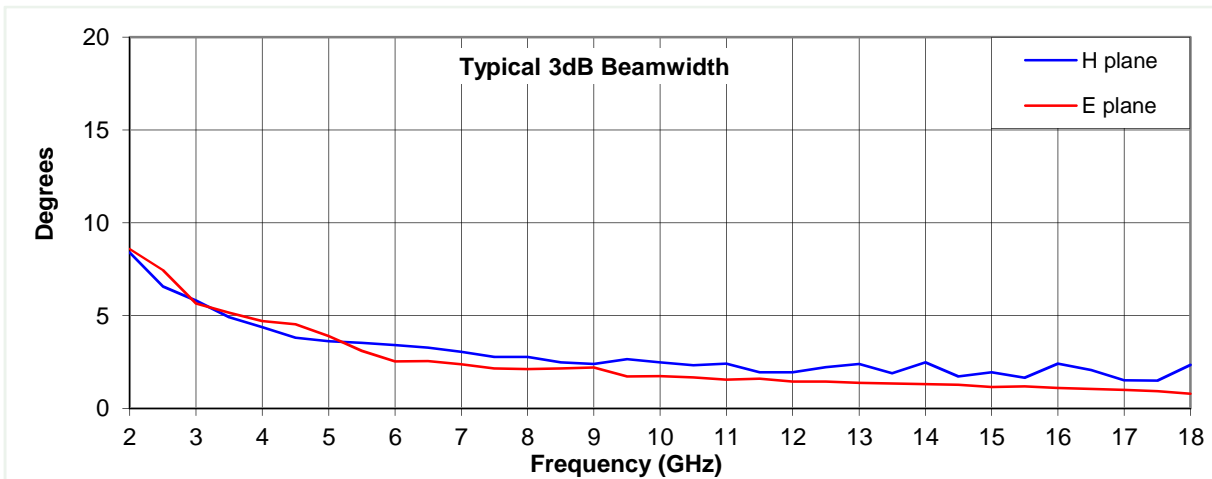
Typical Specification

Frequency	2 to 18 GHz
Connector Type	SMA type jack
Power Handling	20 Watt c.w.
VSWR	Typically < 2.5 : 1
Gain	24.5 to 38 dBi
Antenna Factor	11.5 to 19.3 dB/m
3dB Beamwidth	1 to 9 degrees
10dB Beamwidth	1 to 16 degrees
Weight	12.5 kg
Maximum Size	Reflector diameter 1230 mm
Mounting	8 holes, tapped M6, 125 mm pitch circle diameter.
Construction	Aluminium reflector, powdercoat finish. Composite aluminium and engineering plastics feed, painted. Stainless steel fixings.

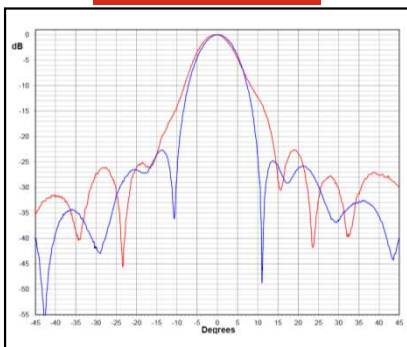
Typical Antenna Gain / Factor

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.

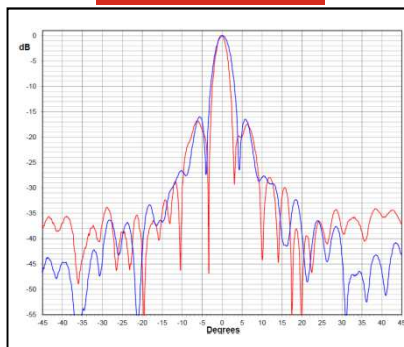




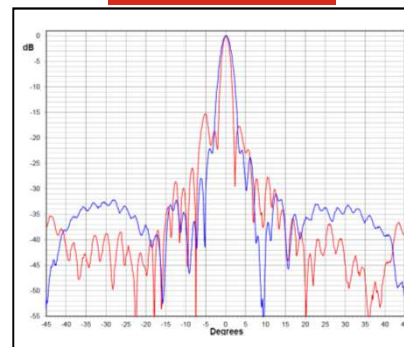
2 GHz



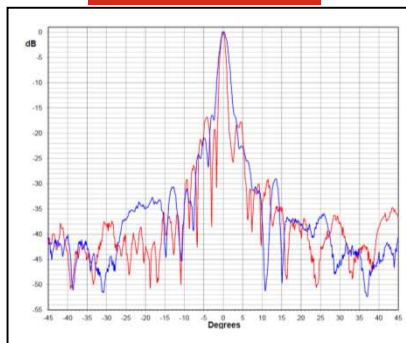
6 GHz



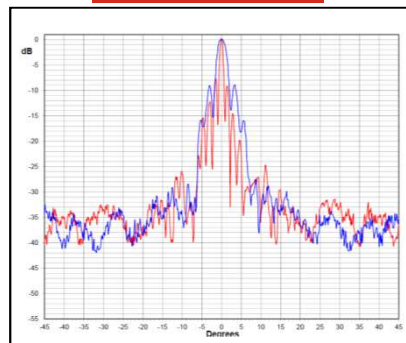
10 GHz



15 GHz



18 GHz



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

