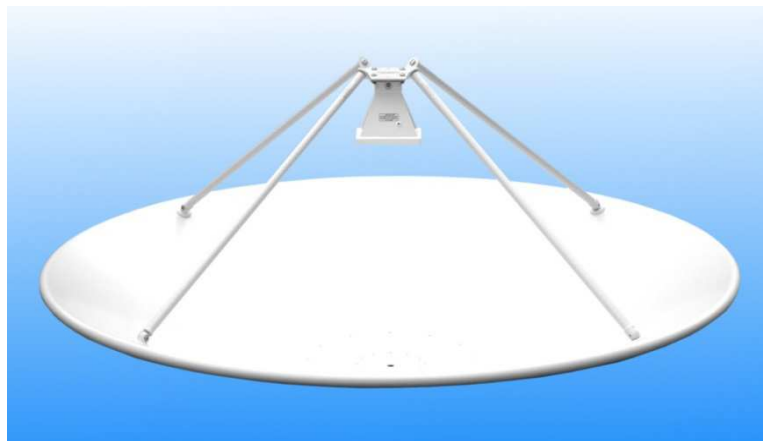


1.2 m Aluminium Reflector & 2 - 18 GHz Wideband Feed fitted with an SMA type Connector and Radome

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



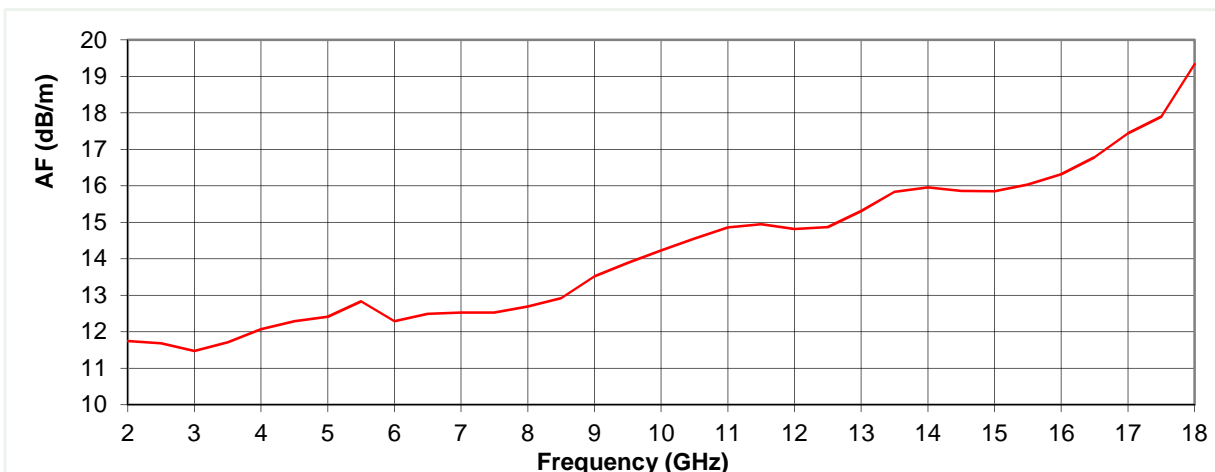
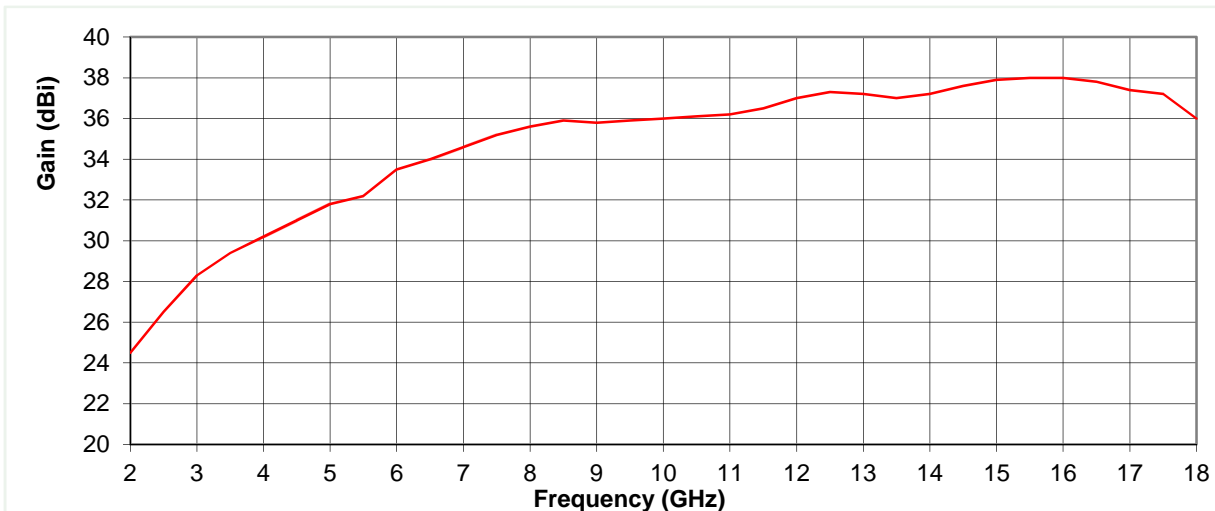
Typical photograph. Finish according to customer specifications.

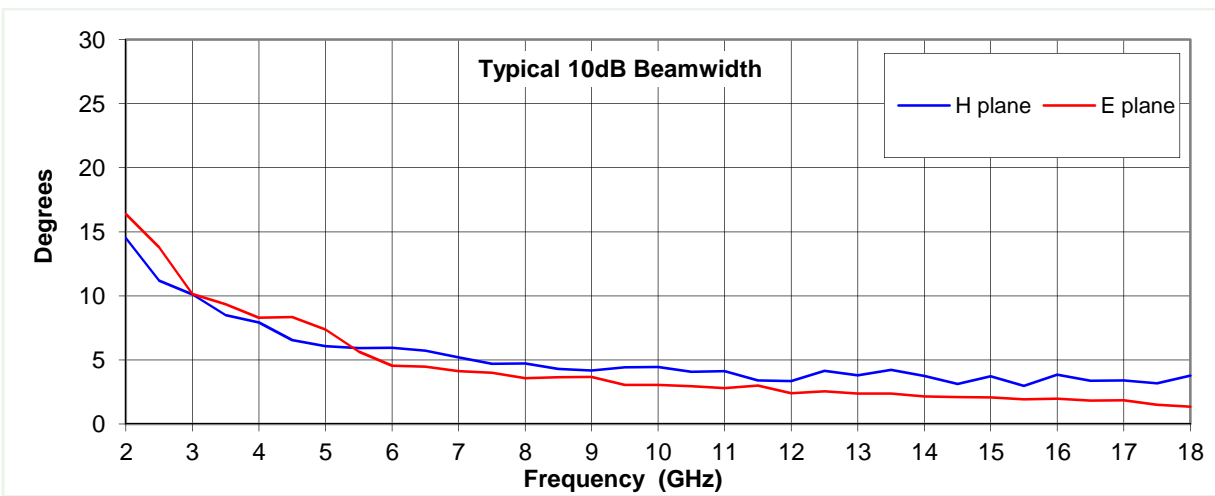
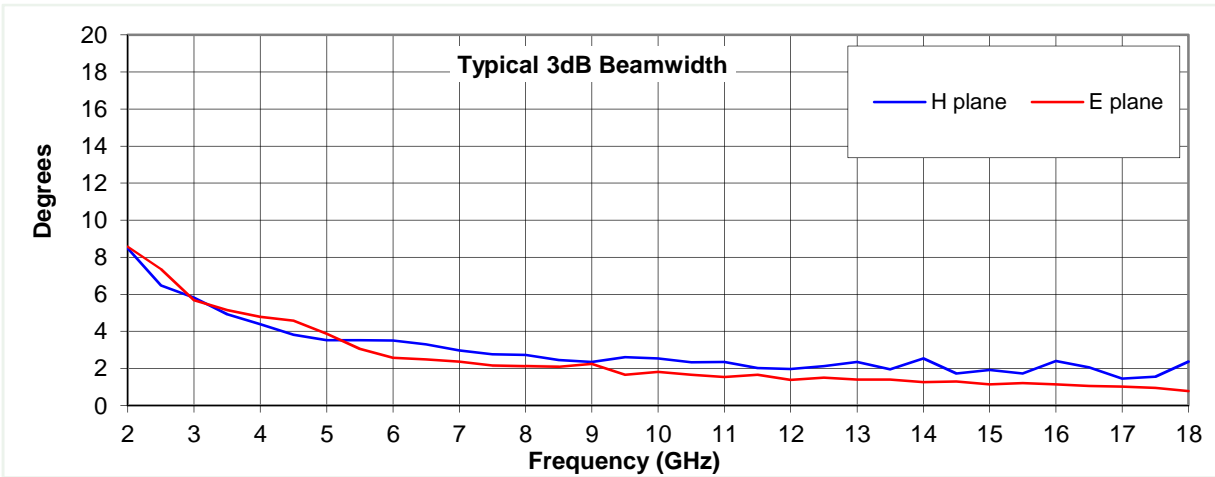
Typical Specification

Frequency	2 to 18 GHz
Connector Type	SMA type jack
Power Handling	20 Watt c.w.
VSWR	Typicaly < 2.5 : 1
Gain	24.5 to 38 dBi
Antenna Factor	11.5 to 19.3 dB/m
3dB Beamwidth	0.8 to 8.6 degrees
10dB Beamwidth	1.3 to 16 degrees
Weight	12.5 kg
Maximum Size	Reflector diameter 1230 mm
Reflector F/D	0.38
Mounting	8 holes, tapped M6, 125 mm pitch circle diameter.
Construction	Aluminium, stainless steel and engineering composites.

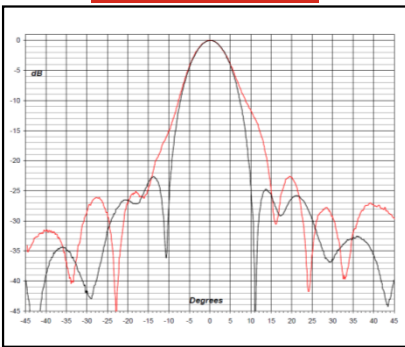
Typical Antenna Gain / Factor

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.

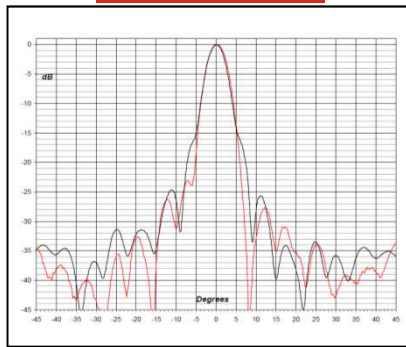




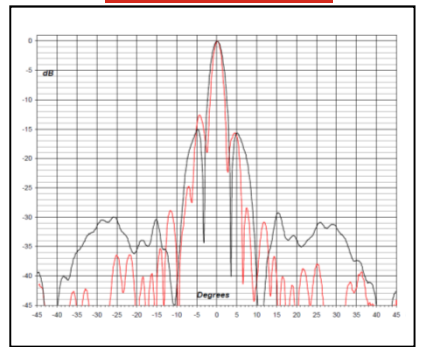
2 GHz



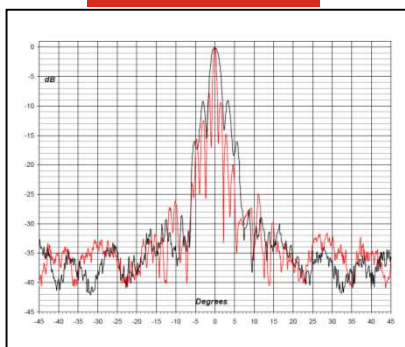
4 GHz



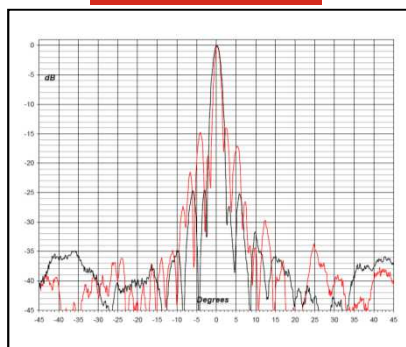
8 GHz



12 GHz



18 GHz



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