

0.9 m Transportable Aluminium Reflector & 6.5 - 18 GHz Wideband Feed fitted with an N type Connector and Radome

Catalogue number **QSR-900-T4A-337 & QWF-SL-6.5-18-N-R**

Steatite reference **QMS-01053**

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

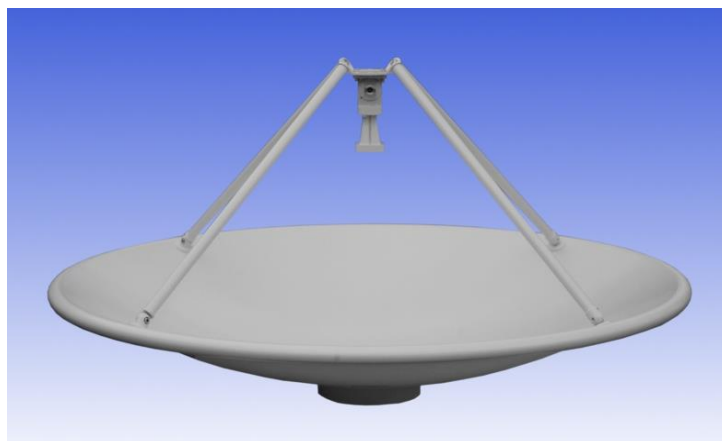


Photo - indication only

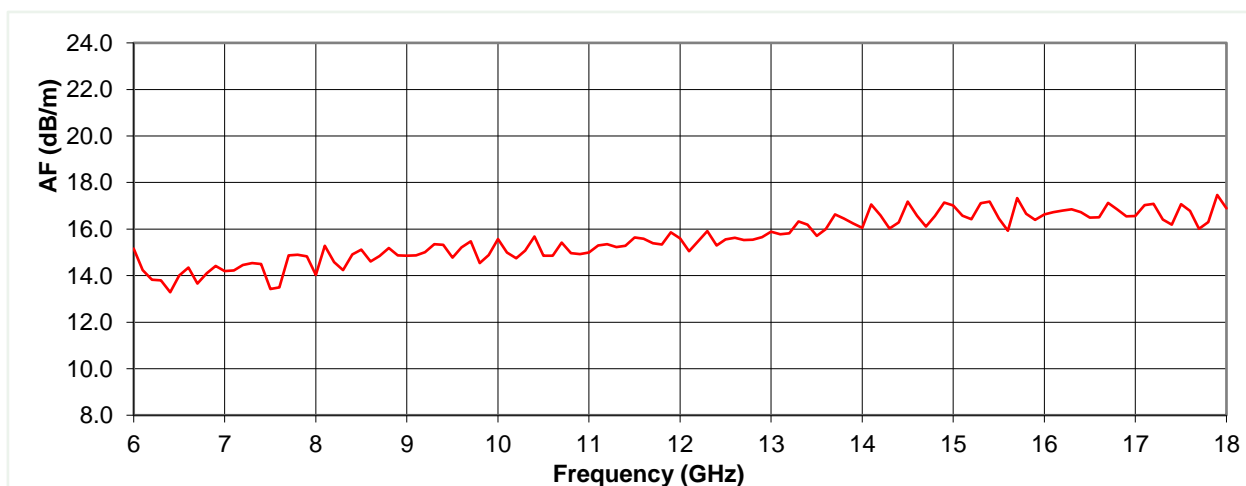
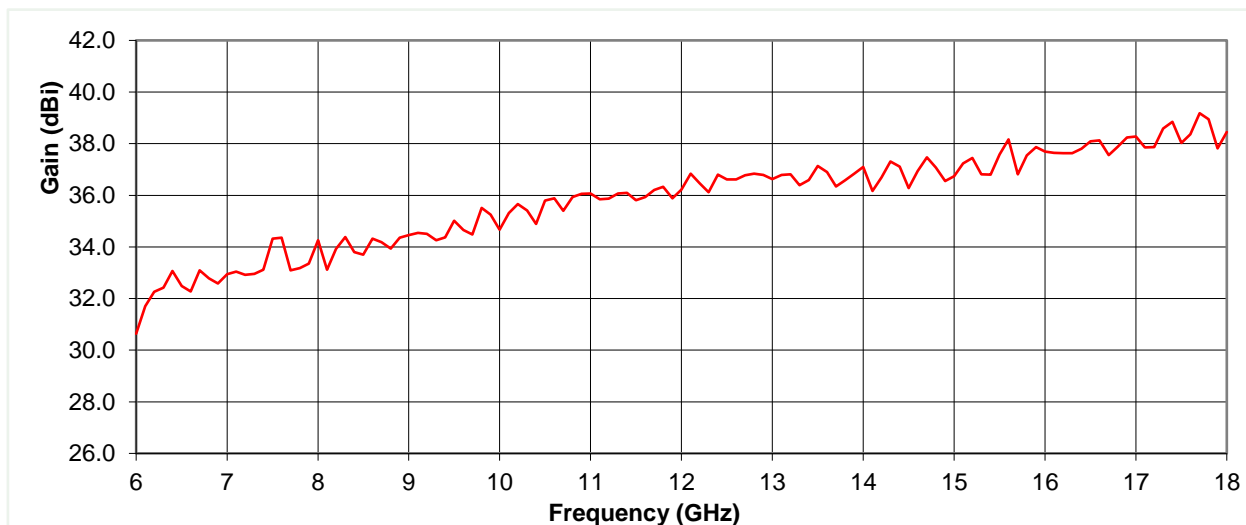


Typical Specification

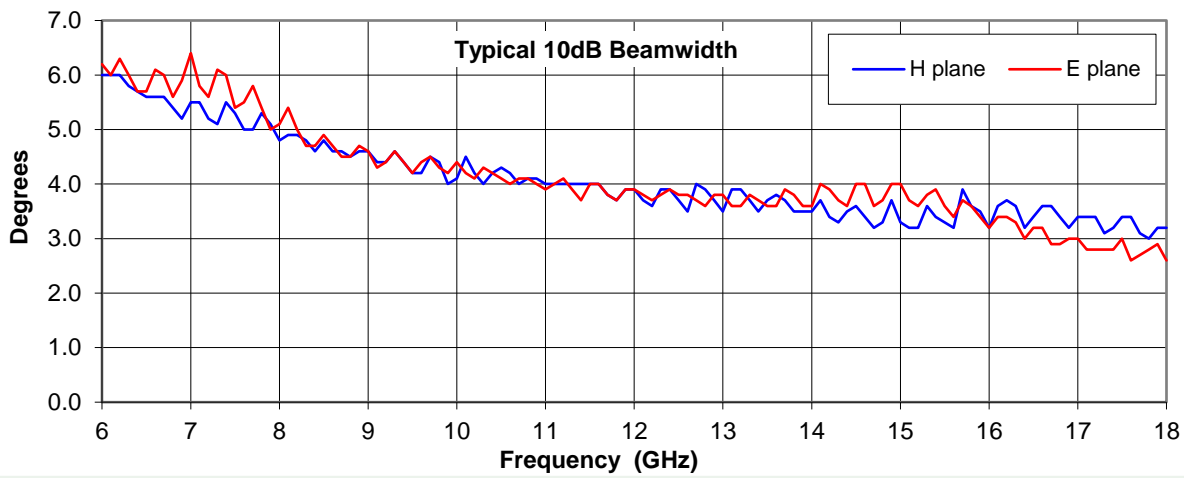
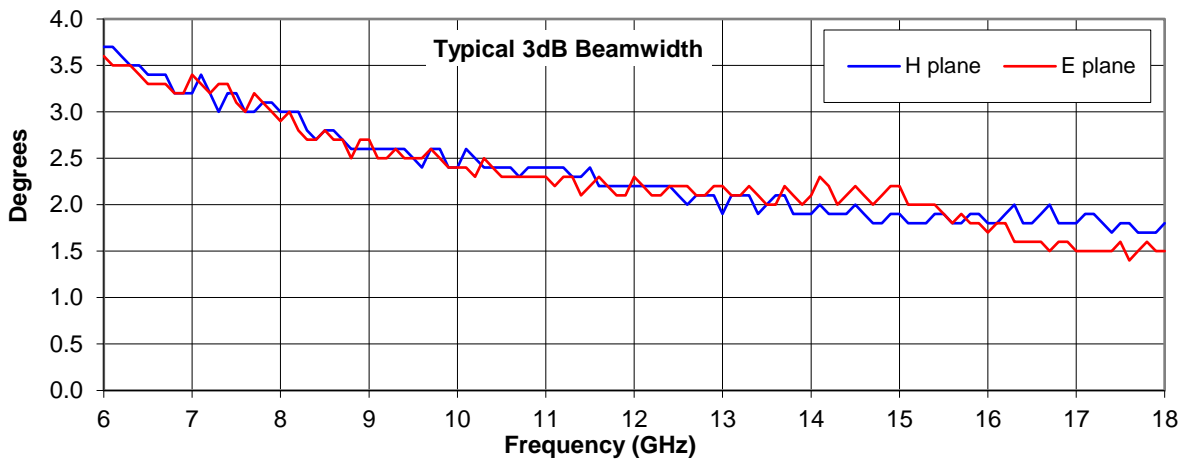
Frequency	6.5 to 18 GHz
Connector Type	N type jack
Power Handling	300 Watt c.w. (at 12 GHz)
VSWR	Typically < 2.0:1
Gain	30.6 to 39.2 dBi
Antenna Factor	13.3 to 17.5 dB/m
3dB Beamwidth	1 to 4 degrees
10dB Beamwidth	3 to 6 degrees
Weight	12kg nominal
Maximum Size	Reflector diameter 930 mm
Mounting	See ICD for details
Construction	Aluminium reflector, powdercoat finish. Aluminium feed horn with engineering plastic radome, painted.

Typical Antenna Gain / Factor

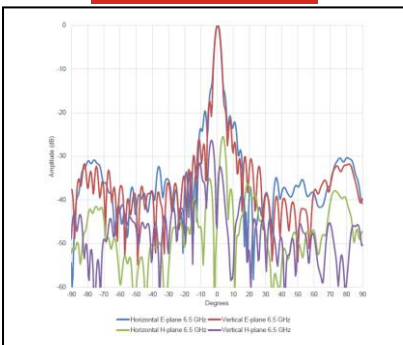
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



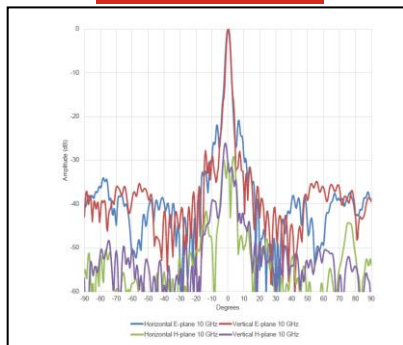
Typical Beamwidth / Radiation Patterns



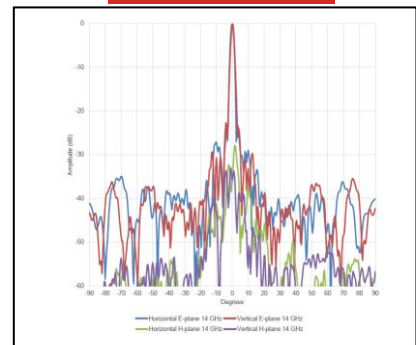
6.5 GHz



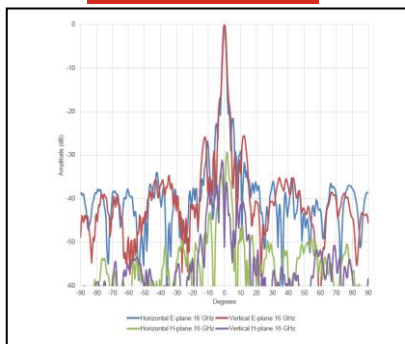
10.0 GHz



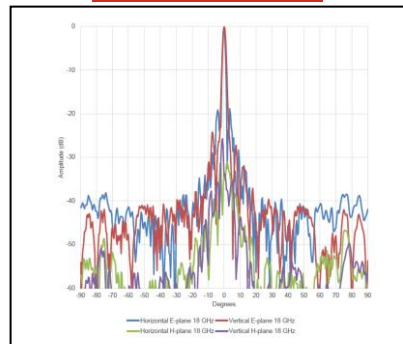
14.0 GHz



16.0 GHz



18.0 GHz



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

