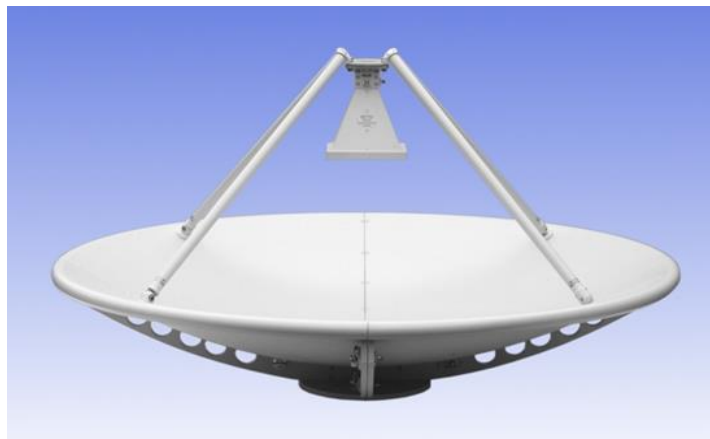


0.9 m Transportable Aluminium Reflector & 2 - 18 GHz Dual Linearly Polarised Wideband Reflector Feed fitted with SMA type Connectors and a Radome

Catalogue number **QSR-900-T4A-337 & QWF-DL-2-18-S-R**

Steatite reference **QMS-00821**

Contents **Summary**
Typical Gain / Antenna Factor
Typical Beamwidth / Patterns
VSWR / Port-to-port Isolation



QQD06-2 V7.3

PDM 27/03/2020 0540

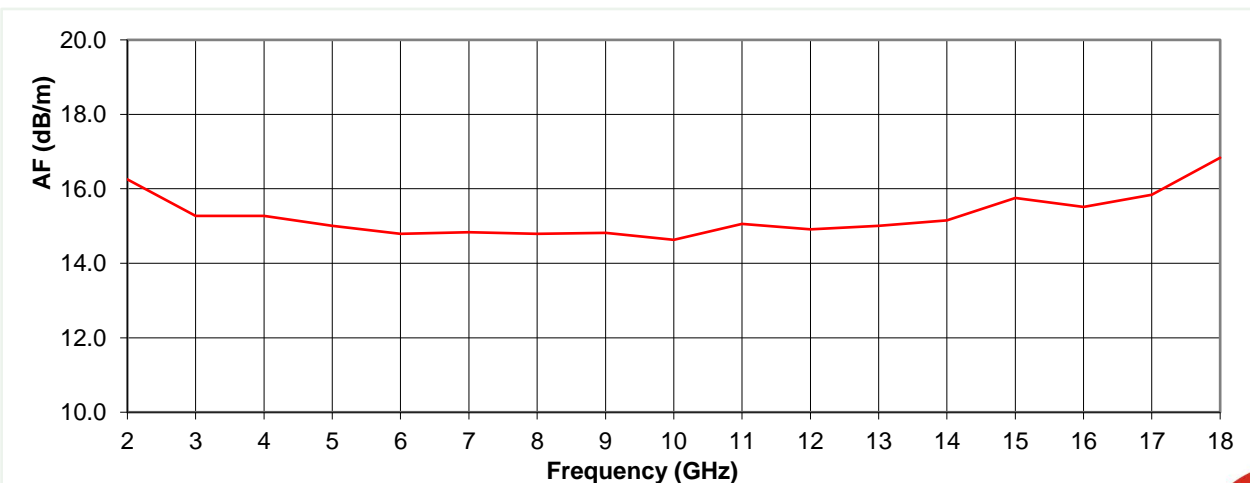
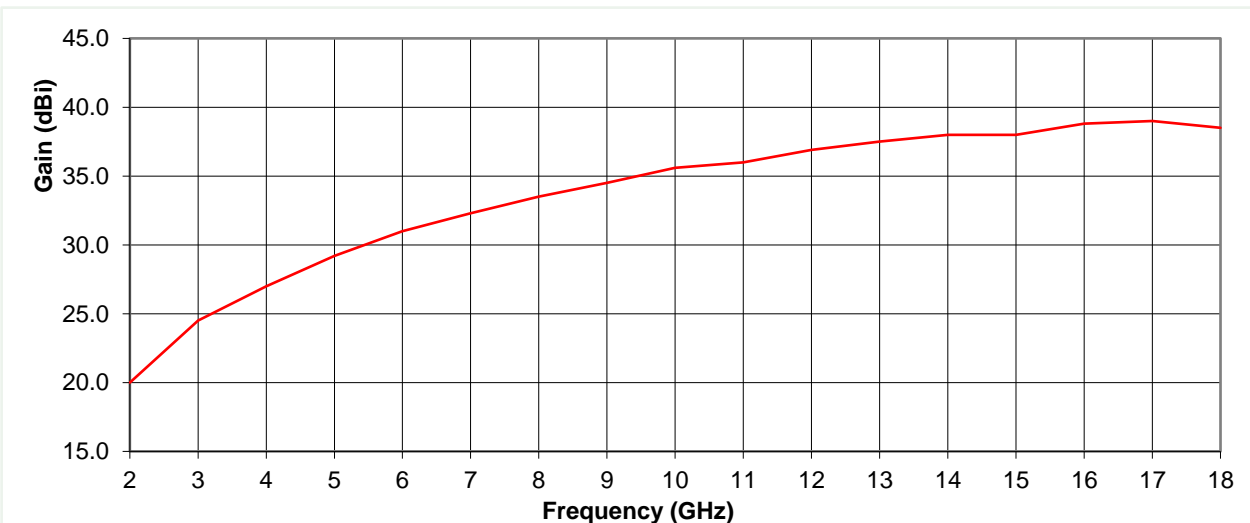


Typical Specification

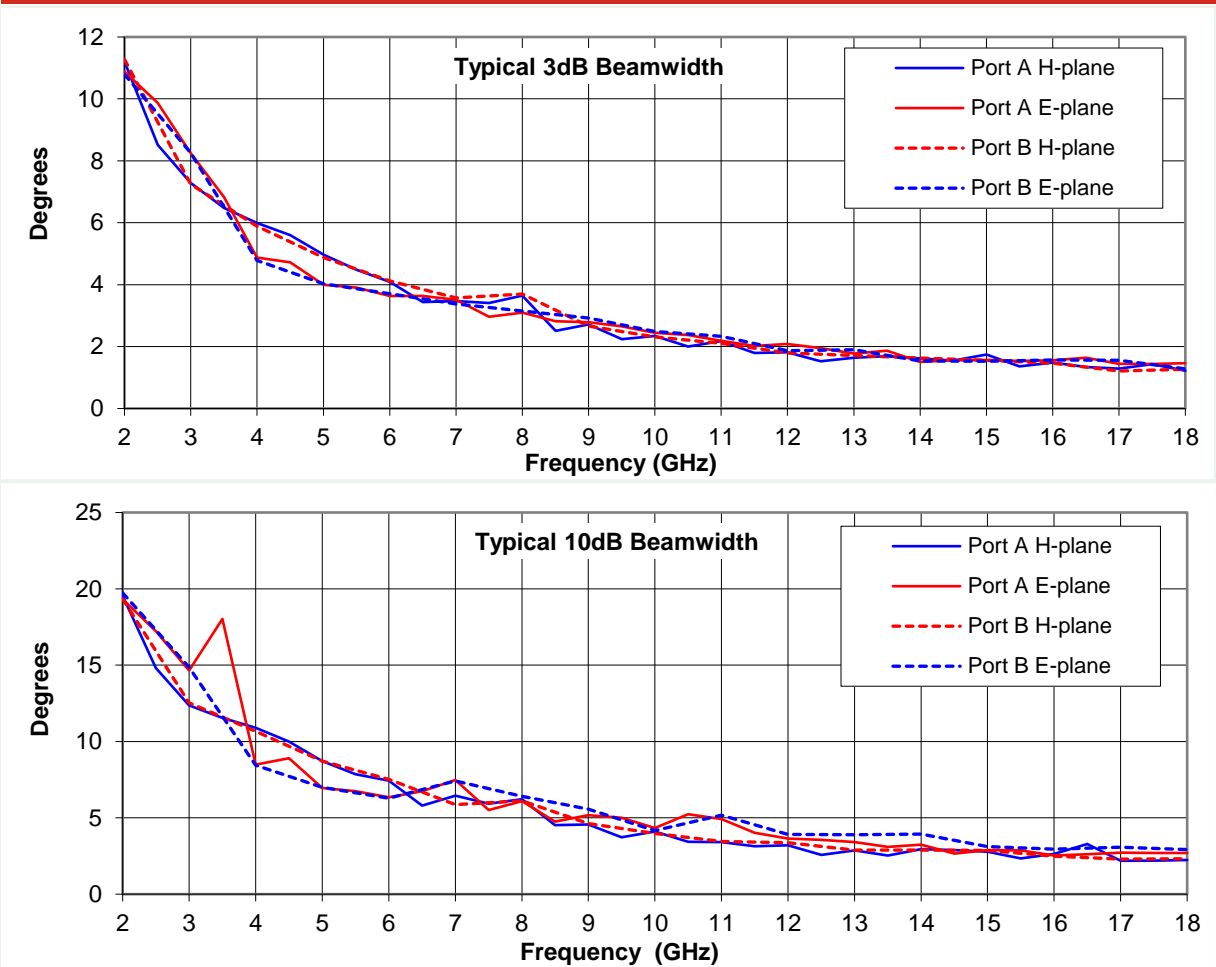
Frequency	2 to 18 GHz
Connector Type	2 x SMA jack
Power Handling	20 Watt c.w.
VSWR	<2.5:1 Typical (4-18GHz), <6:1 maximum (2-4GHz)
Gain	20 to 39 dBi
Antenna Factor	14.6 to 55.3 dB/m
3dB Beamwidth	1.2 to 11.3 degrees
10dB Beamwidth	2.2 to 19.7 degrees
Weight	7.8 kg nominal
Maximum Size	Reflector diameter 935 mm
Isolation	>25 dB (between connectors)
Mounting	8 holes, tapped M6 on 125 mm pitch circle diameter.
Construction	Reflector: Aluminium, powdercoat finish. Feed: Aluminium and engineering plastics, painted.

Typical Antenna Gain / Factor

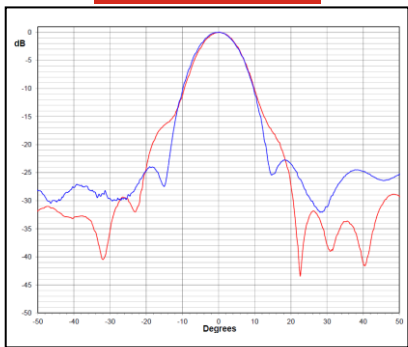
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



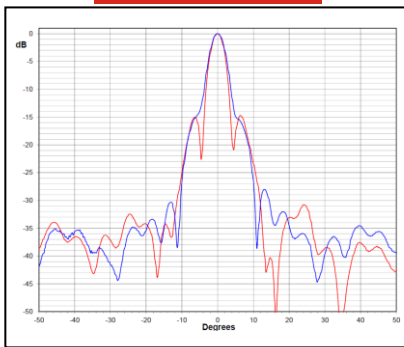
Typical Beamwidth / Radiation Patterns



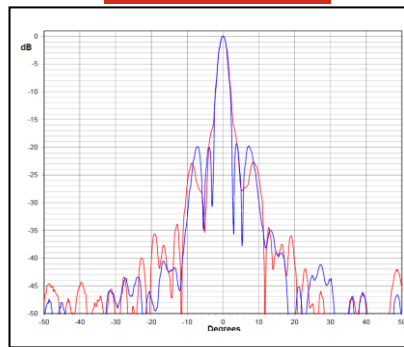
2 GHz



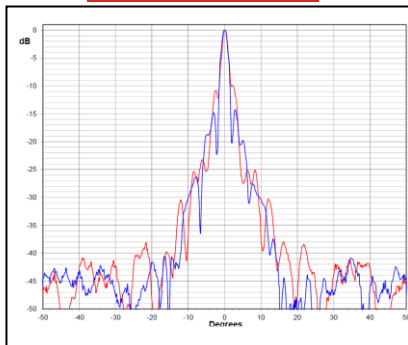
6 GHz



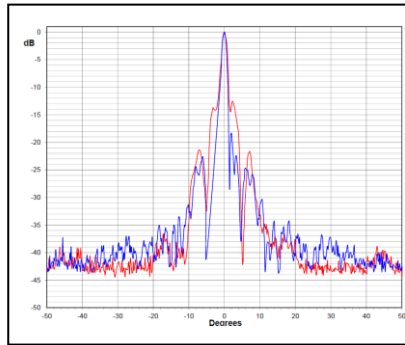
10 GHz



14 GHz



18 GHz



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

