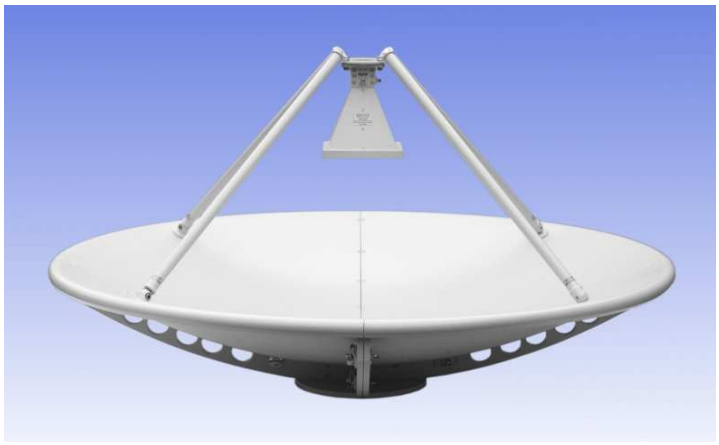
0.9 m Transportable Aluminium Reflector & 2 - 18 GHz Dual Linearly Polarised Wideband Reflector Feed fitted with SMA type Connectors and a Radome

Catalogue number	**QSR-900-T4A-337 & QWF-DL-2-18-S-R**
Q-par reference	**QMS-00821**
Contents	**Summary** **Typical Gain / Antenna Factor** **Typical Beamwidth / Patterns** **VSWR / Isolation between ports**



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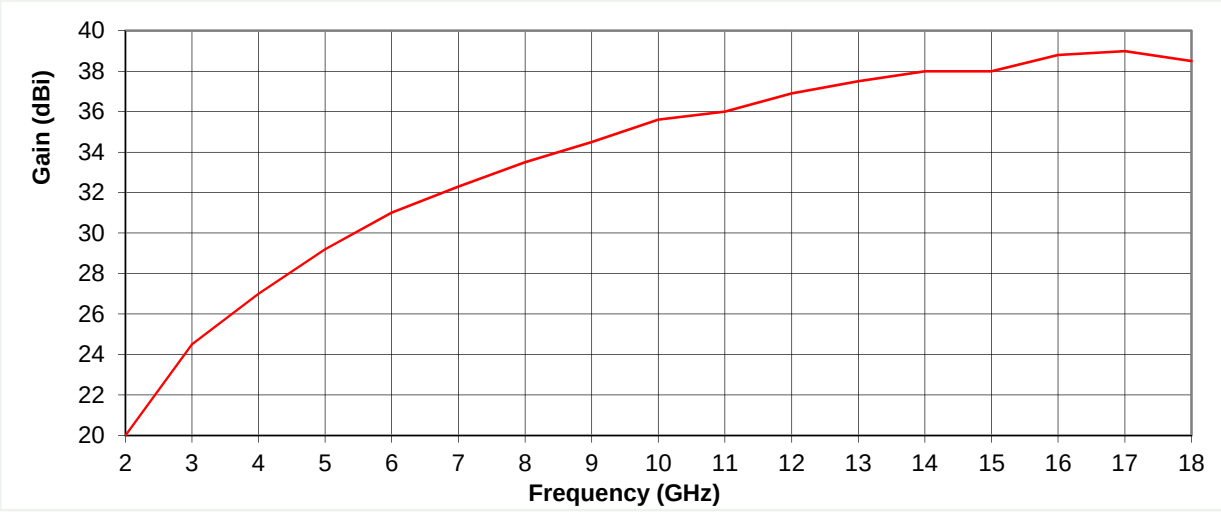
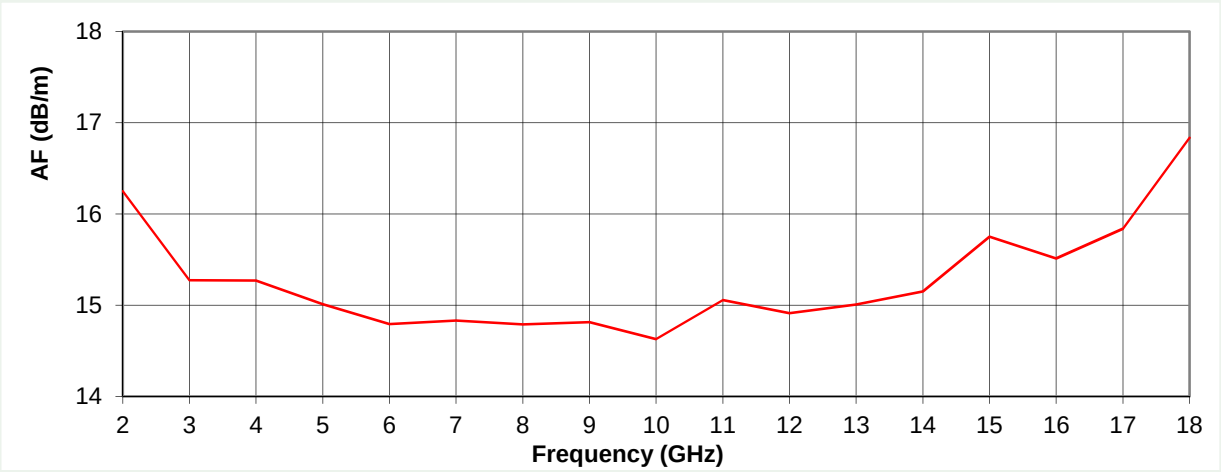
Typical Specification

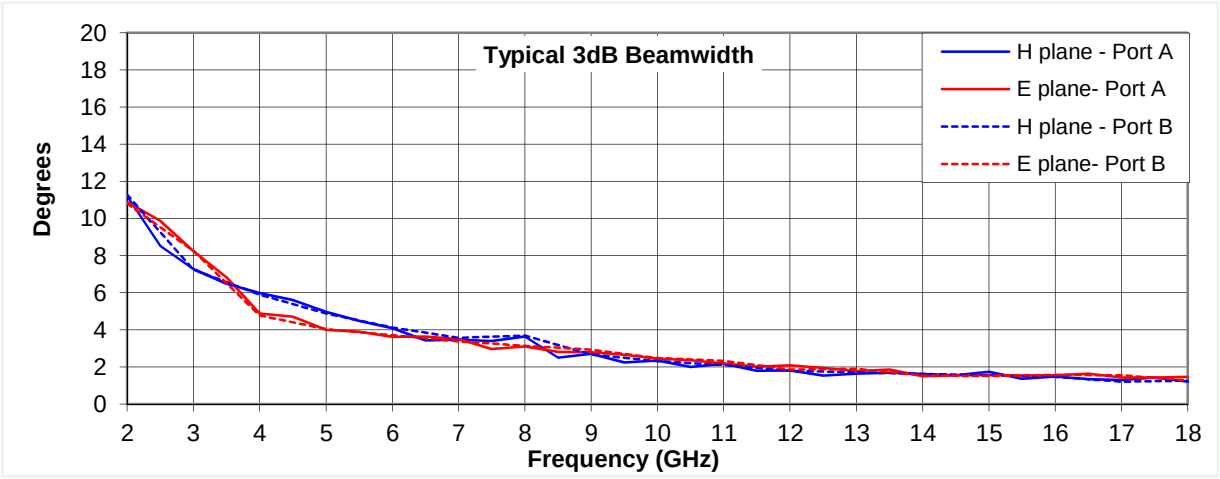
Frequency	2 to 18 GHz
Connector Type	2 x SMA jack
Power Handling	20 Watt c.w.
VSWR	<2.5:1 over 90 % band 6:1 maximum
Isolation	>25 dB (between connectors)
Gain	20 to 39 dBi
Antenna Factor	14.6 to 16.8 dB/m
3dB Beamwidth	1 to 11 degrees
10dB Beamwidth	2 to 20 degrees
Weight	10.6 kg nominal
Maximum Size	Reflector diameter 935 mm
Mounting	4 holes, diameter 8 mm on 170 mm pitch circle diameter, plus 4 holes, tapped M6 on 125 mm pitch circle diameter.
Construction	Aluminium reflector, powdercoat finish. Aluminium and engineering plastics feed, painted.

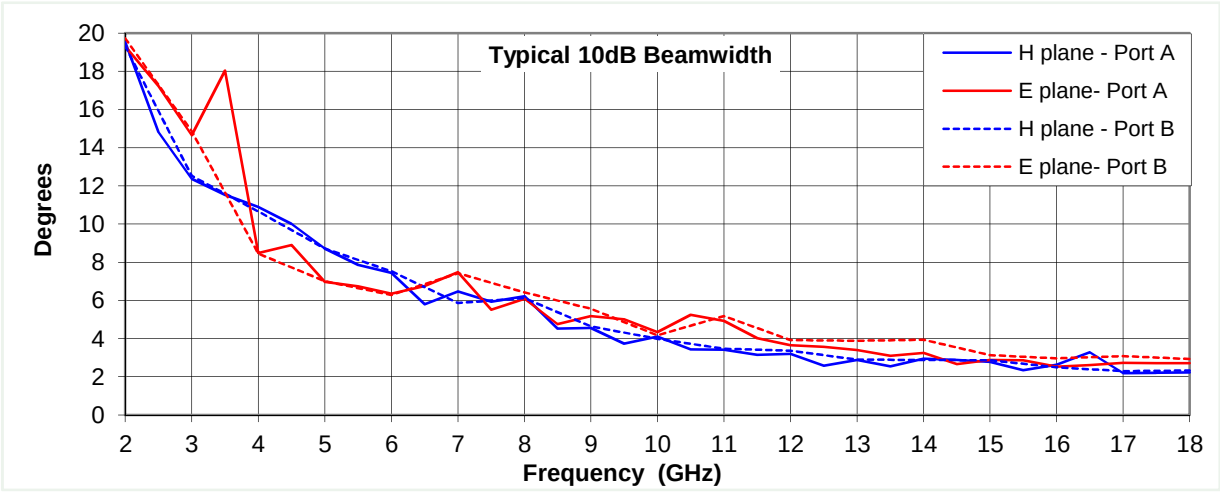
Typical Antenna Gain / Factor

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.

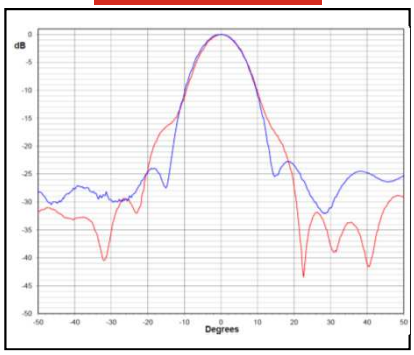




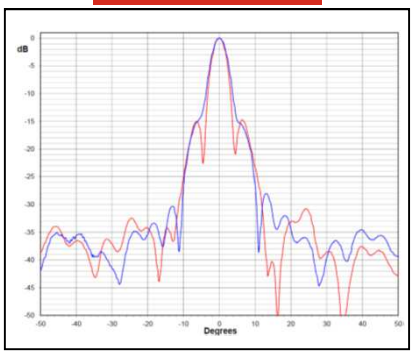




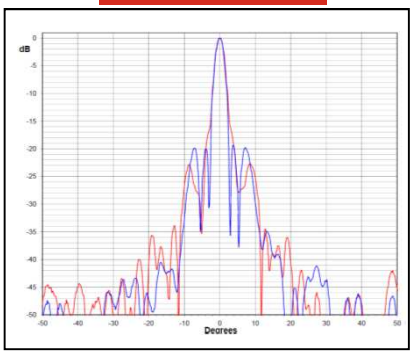
2 GHz



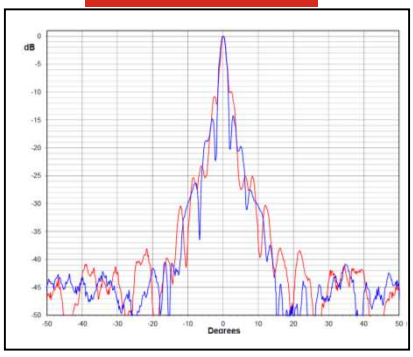
6 GHz



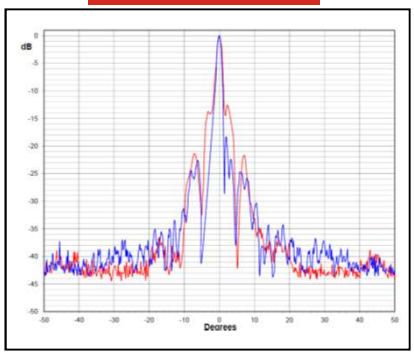
10 GHz



14 GHz



18 GHz



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

STEATITE LIMITED (ANTENNAS)
UNIT 15 CROFT BUSINESS PARK
SOUTHERN AVENUE
LEOMINSTER
HEREFORDSHIRE
HR6 0QF

STEATITE LIMITED (HEADQUARTERS)
RAVENSBANK BUSINESS PARK
ACANTHUS ROAD
REDDITCH
WORCESTERSHIRE
B98 9EX

WWW.STEATITE.COM
A SOLID STATE GROUP COMPANY

Telephone: **+44 (0)1568 617920**
Fax: **+44 (0)1568 612138**
Email: **sales.antennas@steatite.co.uk**