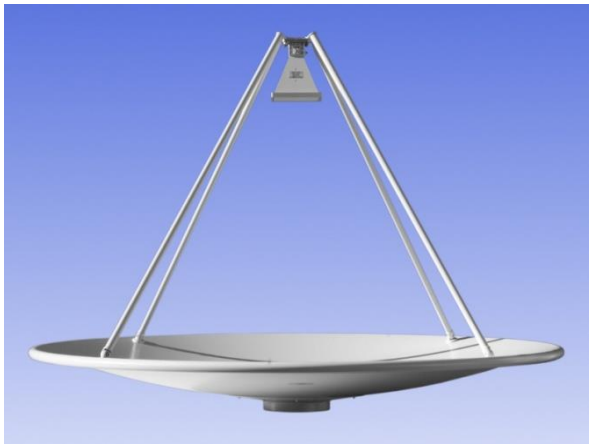
1.2 m Aluminium Reflector & 2 - 18 GHz Dual Polar Wideband Feed fitted with SMA type Connectors and a Radome

Catalogue number **QSR-1200-A-755 & QWF-DL-2-18-S-R**

Steatite reference **QMS-00262**

Contents



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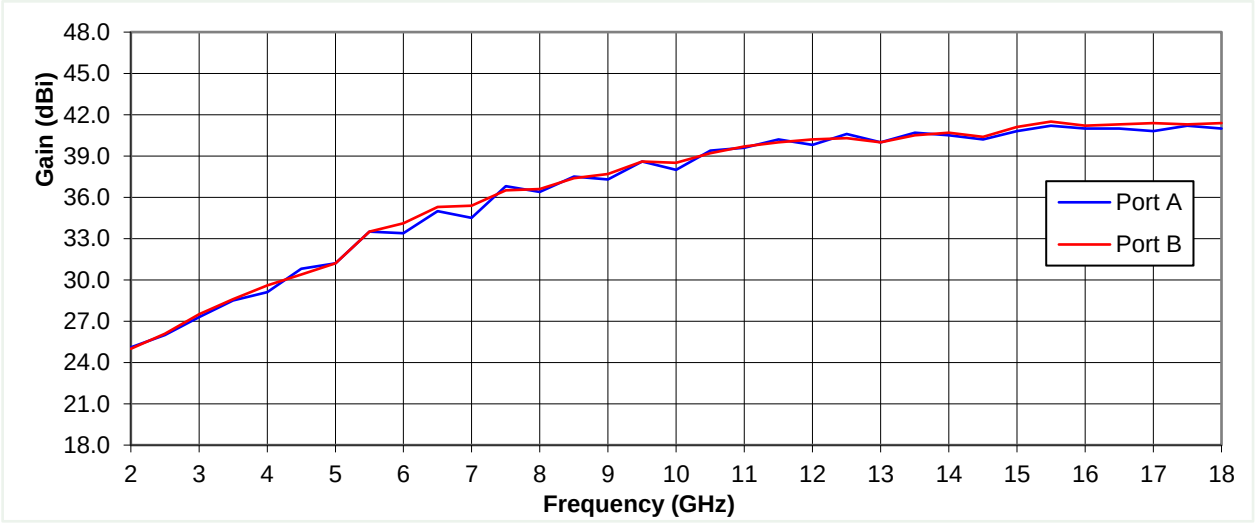
Email: **sales.antennas@steatite.co.uk**

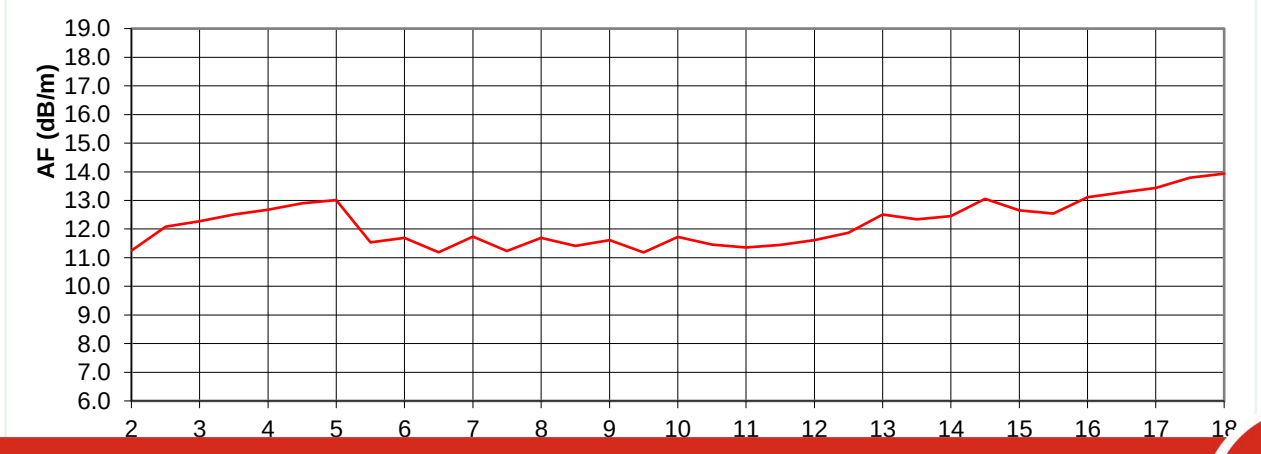
Typical Specification

Frequency	2 to 18 GHz
Connector Type	2 x SMA type jack
Power Handling	20 Watt c.w.
VSWR	Typically <2.4:1 over 90% band
Gain	25 to 41.5 dBi
Antenna Factor	11.2 to 13.9 dB/m
3dB Beamwidth	0.9 to 7.5 degrees
10dB Beamwidth	1.5 to 12.5 degrees
Weight	11.5 kg nominal
Maximum Size	Reflector diameter 1240 mm
Mounting	Rear Mounting Boss with 8 holes, tapped M6, 125mm pitch circle diameter.
Construction	Aluminium reflector, powdercoat finish. Composite aluminium and plastic feed, painted.
Isolation	>25dB between ports

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.





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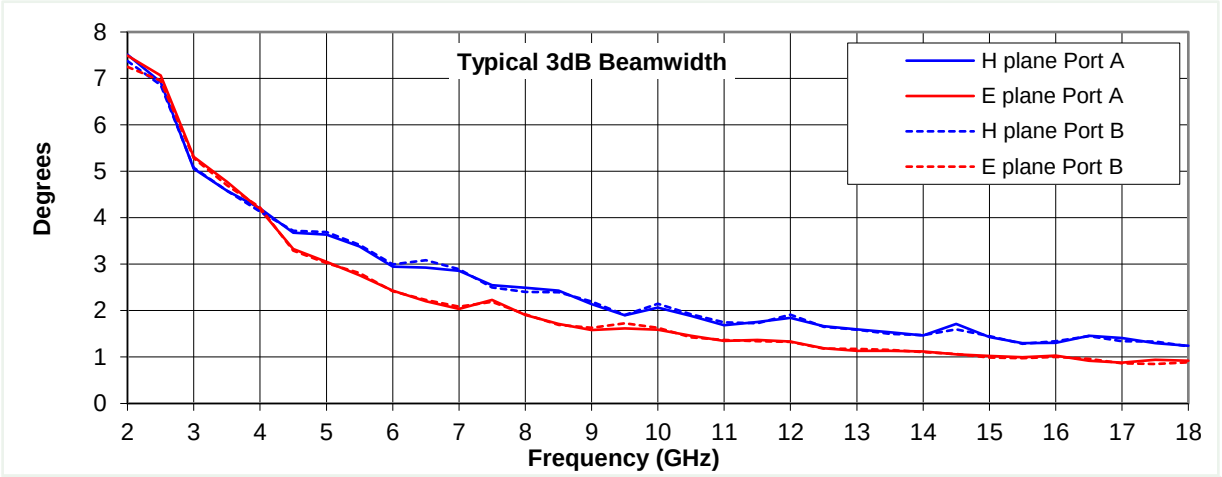
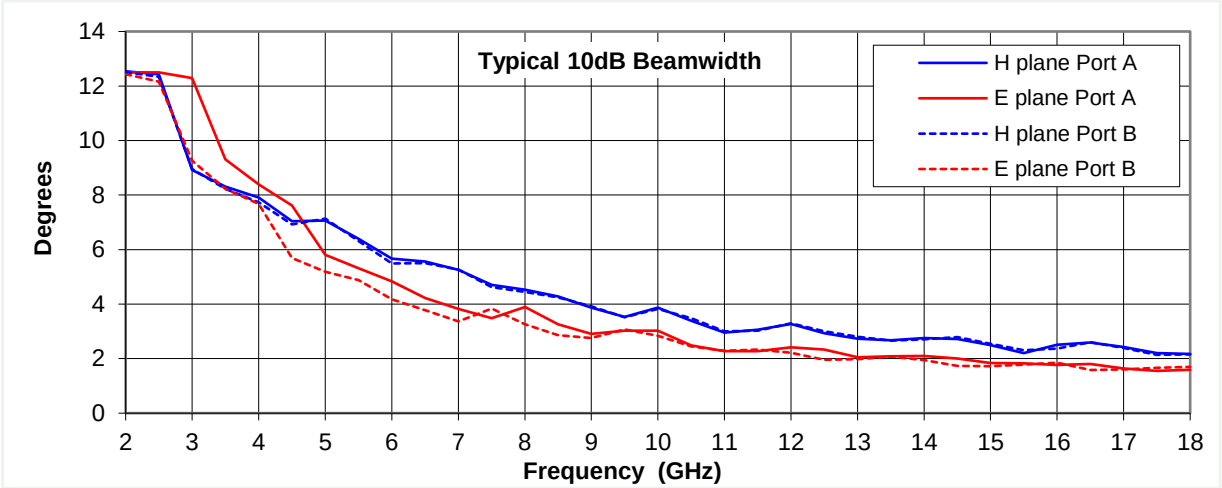
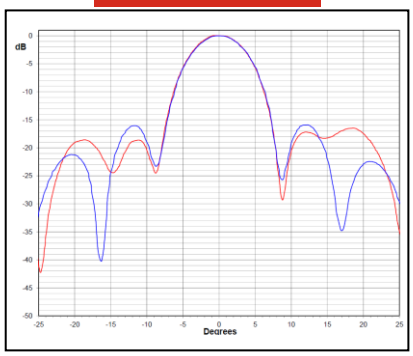
Typical Beamwidth / Radiation Patterns

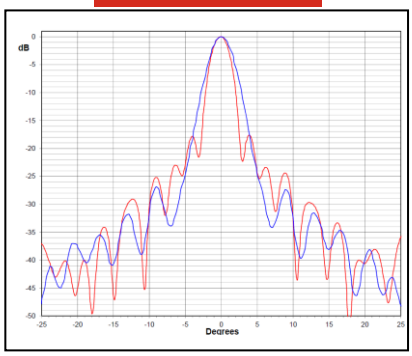




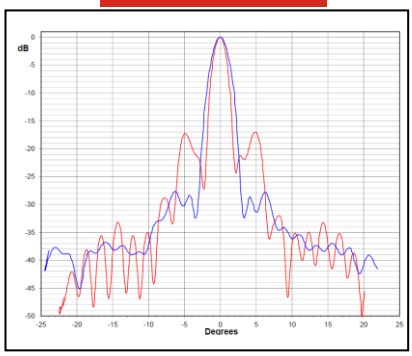
2 GHz



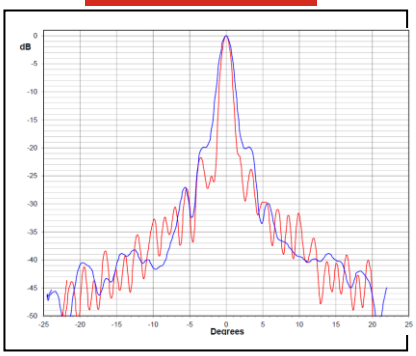
6 GHz



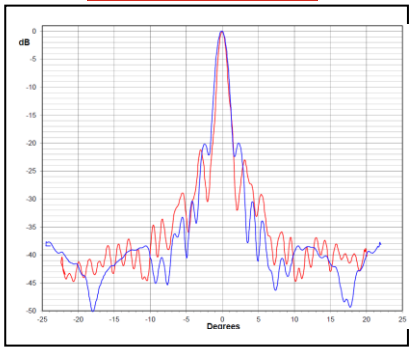
10 GHz



14 GHz



18 GHz



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

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