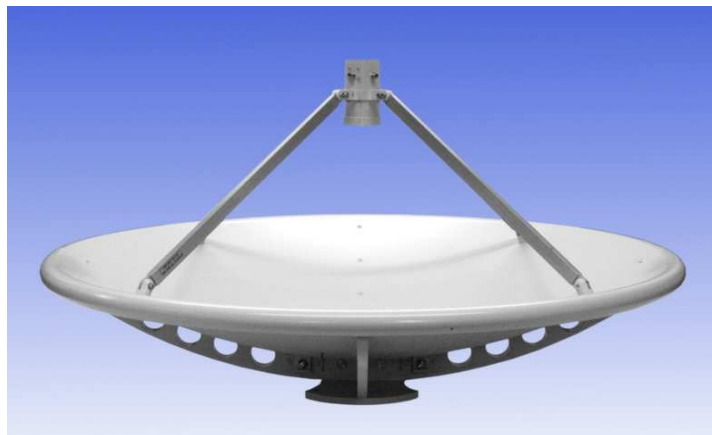


0.6 m Transportable Aluminium Reflector & 18 - 40 GHz Dual Linearly Polarised Wideband Reflector Feed fitted with K type Connectors and a Radome

Catalogue number **QSR-600-T2A-228 & QWF-DL-18-40-K-R**

Q-par reference **QMS-00822**

Contents **Summary**
Typical Gain / Antenna Factor
Typical Beamwidth / Patterns
VSWR
Isolation - between ports

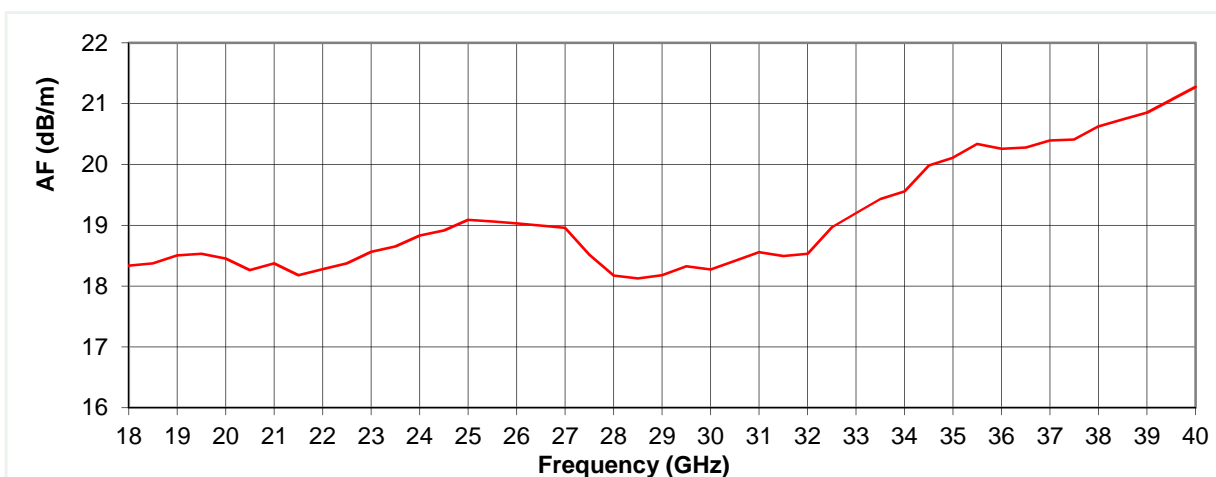
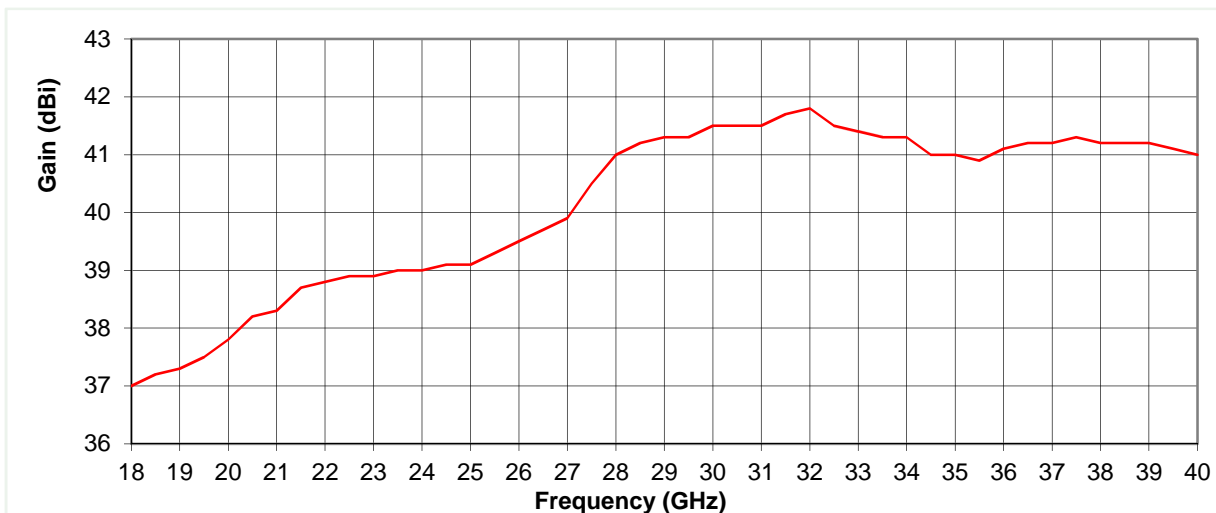


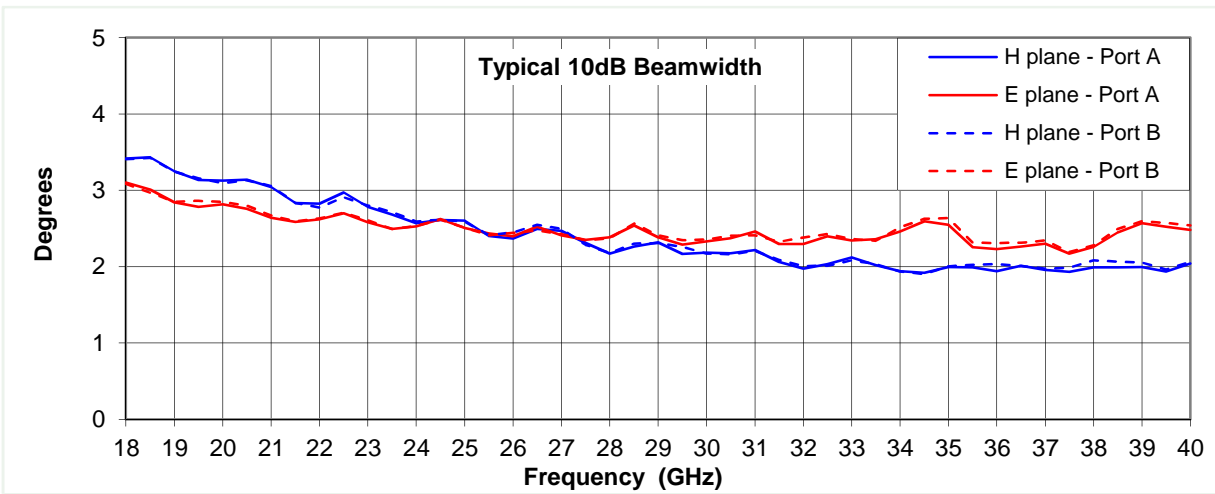
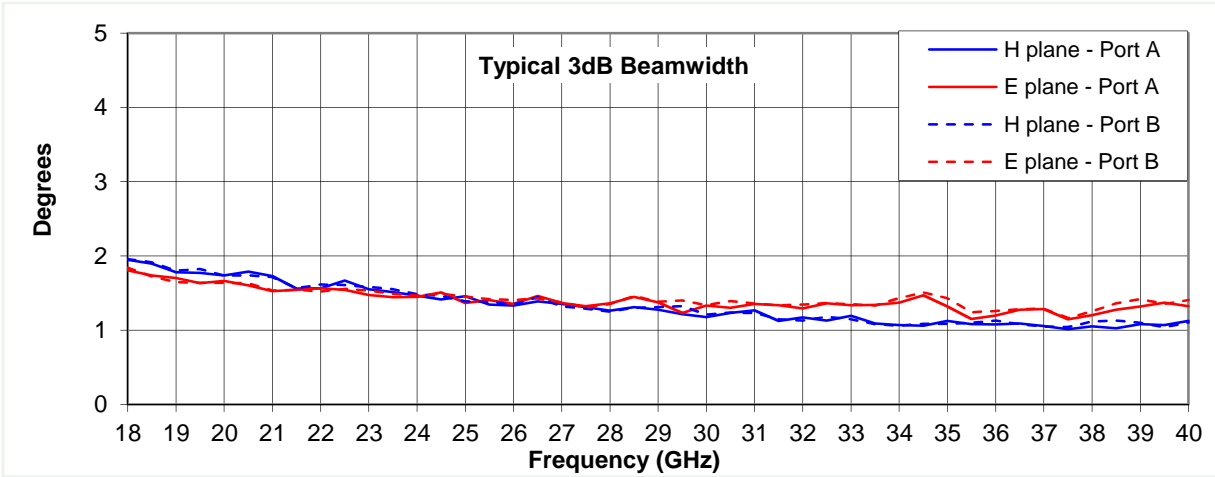
Typical Specification

Frequency	18 to 40 GHz
Connector Type	2 x K type (2.92 mm) jack
Power Handling	40 Watt c.w.
VSWR	Typically < 2.0:1 (2.7:1 maximum)
Isolation	> 22 dB between ports
Gain	37 to 41.8 dBi
Antenna Factor	18.1 to 21.3 dB/m
3dB Beamwidth	1 to 2 degrees
10dB Beamwidth	2 to 3 degrees
Weight	4.6 kg nominal
Maximum Size	Reflector diameter 640 mm
Mounting	6 holes, tapped M6, 125 mm pitch circle diameter, 45 degree spacing
Construction	Aluminium reflector, powdercoat finish. Aluminium and engineering plastic feed horn, painted.

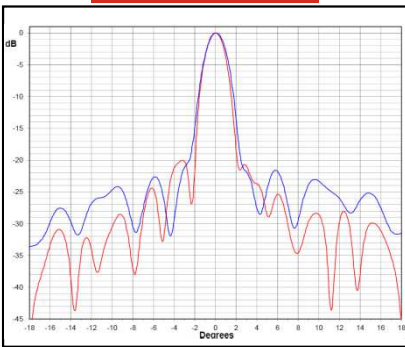
Typical Antenna Gain / Factor

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.

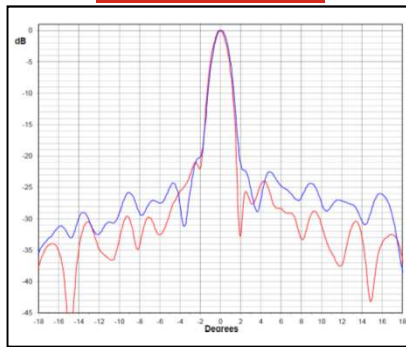




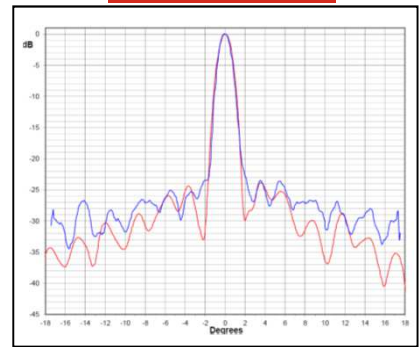
18 GHz



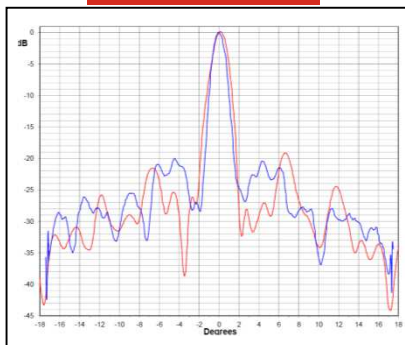
24 GHz



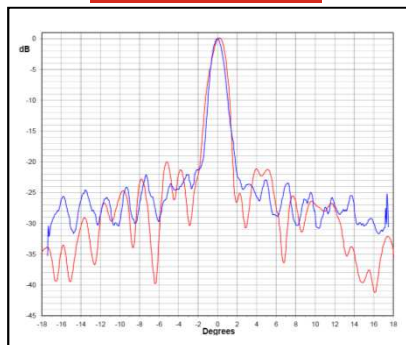
30 GHz



35 GHz



40 GHz



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

