

1.2 m Transportable Reflector Antenna

18 to 40 GHz

Dual Polar Wideband Feed

Reflector catalogue number: **QSR-1200-T4A-457**

Feed catalogue number: **QWF-DL-18-40-K-R**

Q-par reference: **QMS-00270**

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



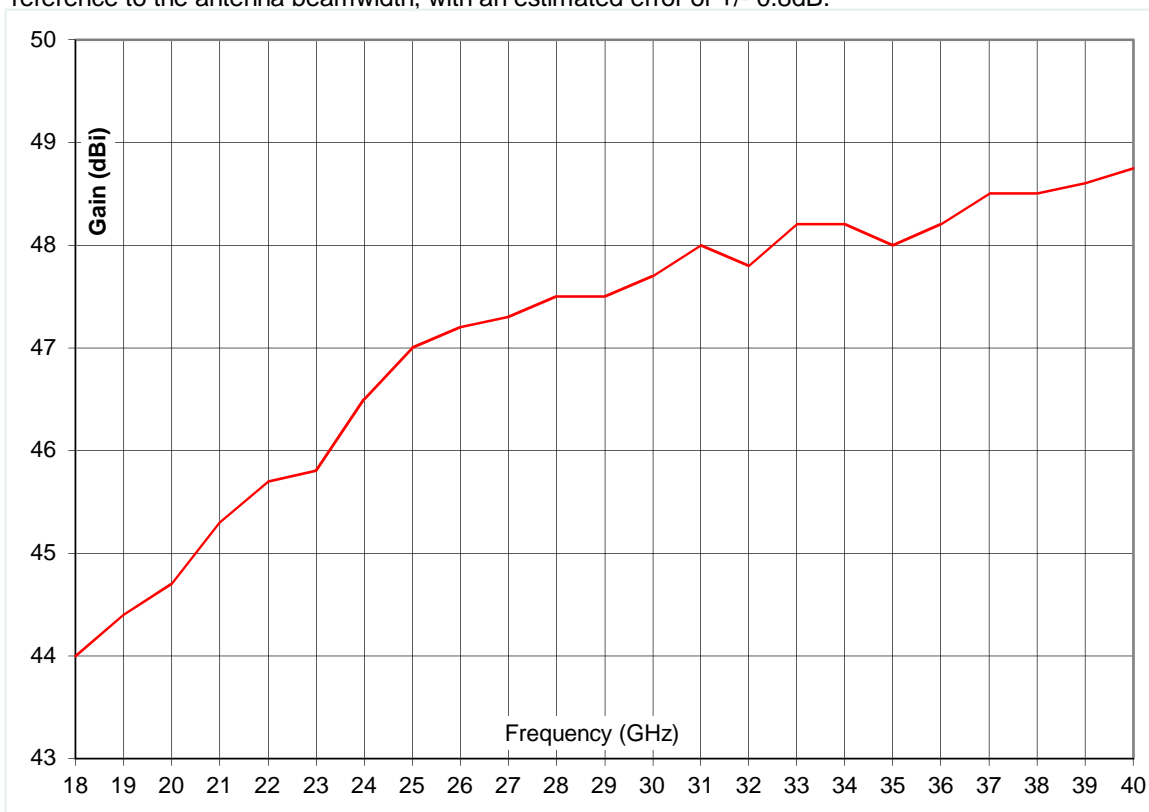
Test Report

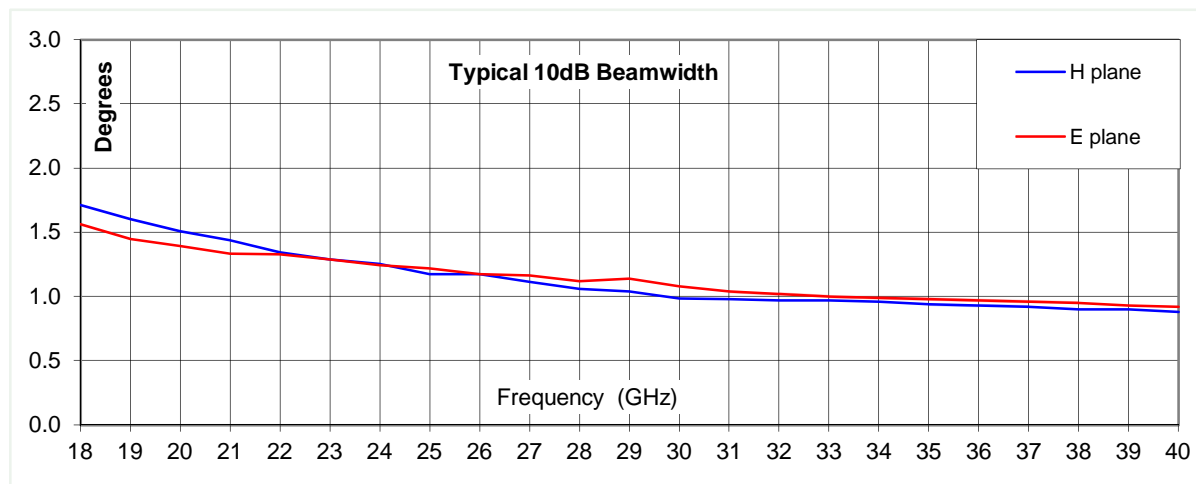
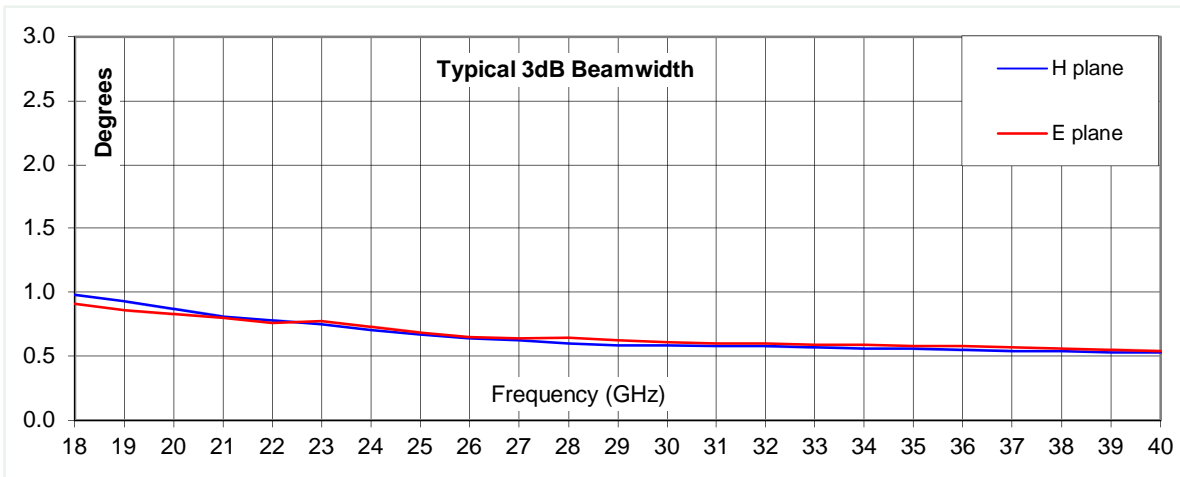
Typical Specification

Frequency	18 to 40 GHz
Connector type	K (2.92 mm) type jack
Power Handling	40 Watt c.w.
VSWR	Typically < 2.0:1
Gain	44 to 49 dBi
3dB Beamwidth	0.5 to 1 degree
10dB Beamwidth	0.9 to 1.7 degrees
Weight	16 kg nominal
Focal Length	457 mm
F/D	0.38
Size- max.	Reflector diameter 1223 mm max
Mounting	8 holes, tapped M6, 125 mm p.c.d.
Construction	Spun aluminium reflector. Powdercoat finish. Composite feed, painted.

Typical Antenna Gain

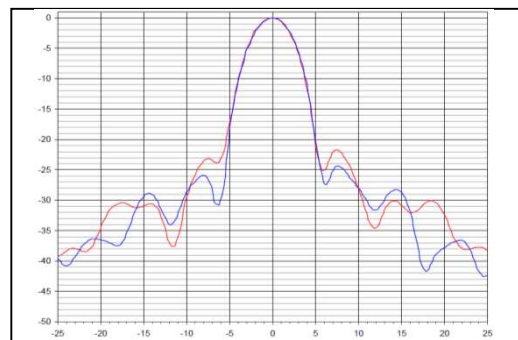
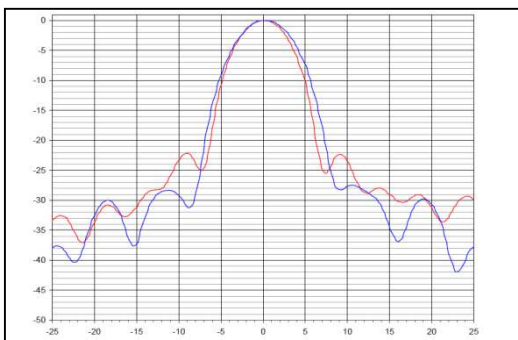
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



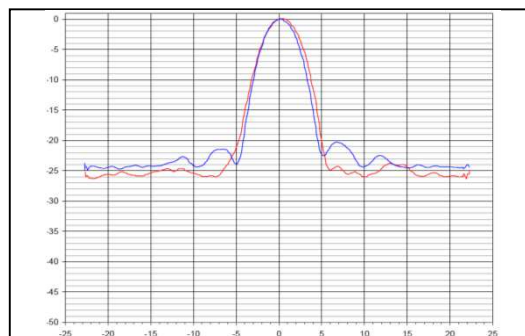


18 GHz

24 GHz



30 GHz



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