

1.8 m Aluminium Reflector & 1-2 GHz Wideband Feed fitted with an N type Connector and Radome

Catalogue number **QSR-1800-A-755 & QWF-SL-1-2-N-R**

Q-par reference **QMS-00486**

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

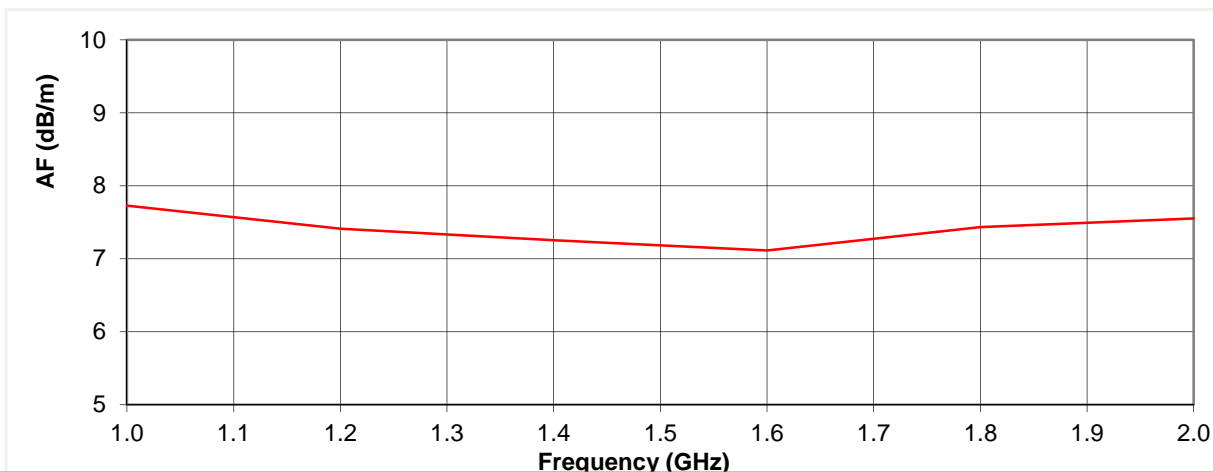
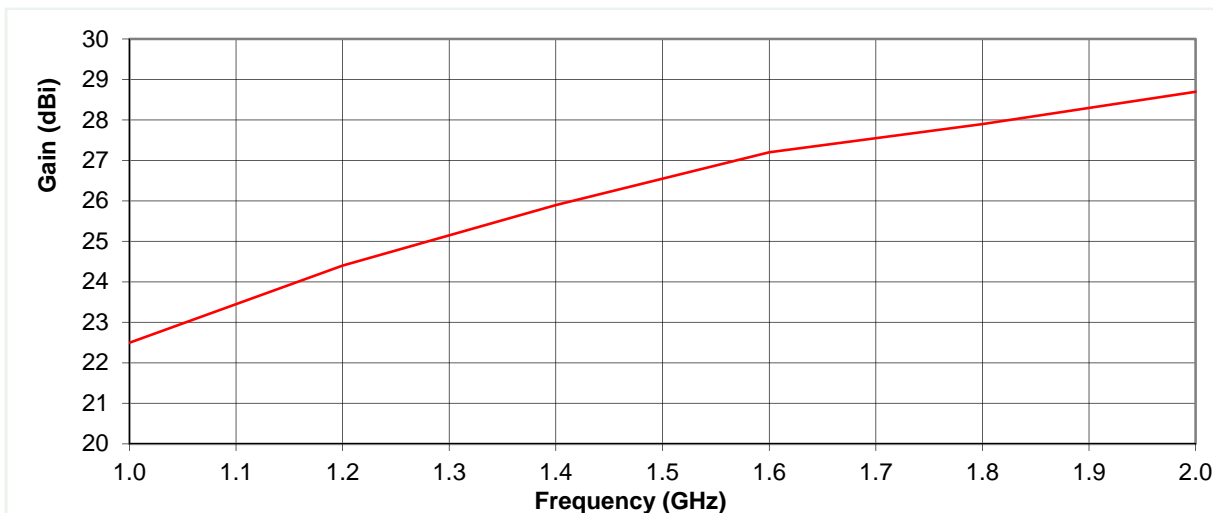


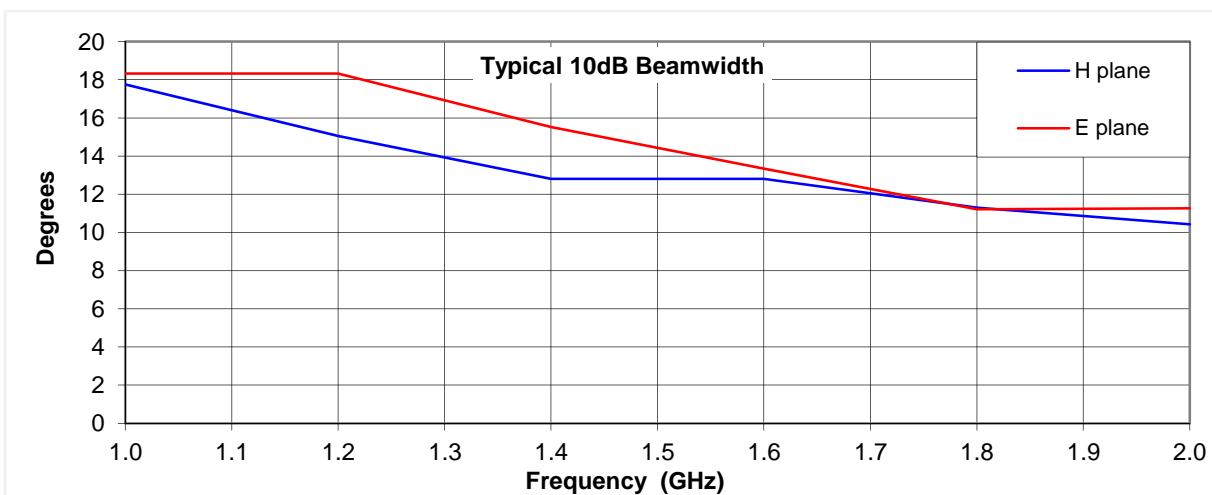
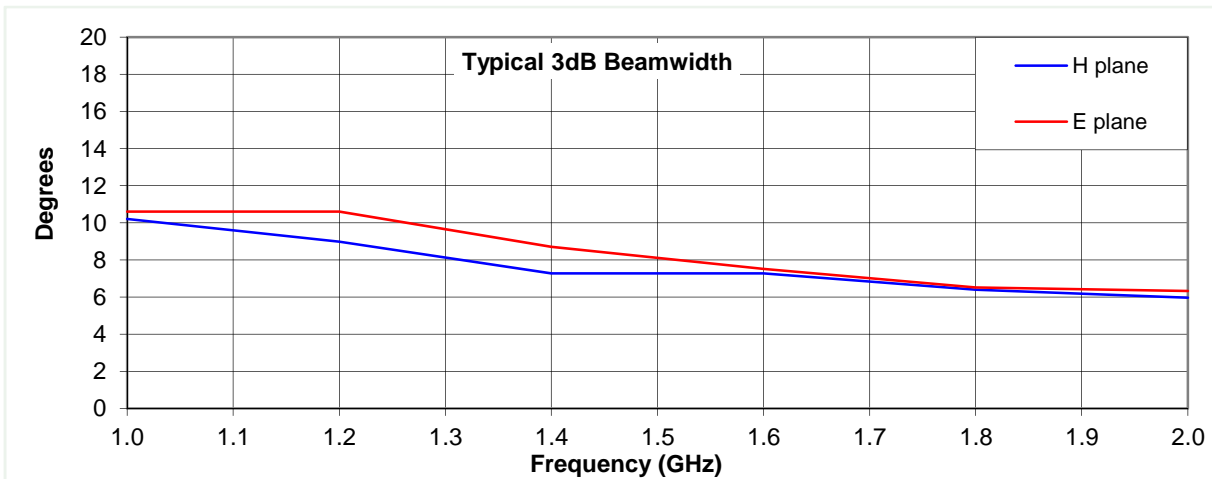
Typical Specification

Frequency	1 to 2 GHz
Connector Type	N type jack
Power Handling	250 Watt c.w.
VSWR	Typically < 2.1:1
Gain	22.5 to 28.7 dBi
Antenna Factor	7.1 to 7.7 dB/m
3dB Beamwidth	6 to 11 degrees
10dB Beamwidth	10 to 18 degrees
Weight	25 kg nominal
Maximum Size	Reflector diameter 1860 mm
Mounting	Mount ring with 3 unequal spaced holes, tapped M12, 600 mm pitch circle diameter. See ICD for more information.
Construction	Spun aluminium reflector, powdercoat finish. Composite aluminium / engineering plastics feed, painted.

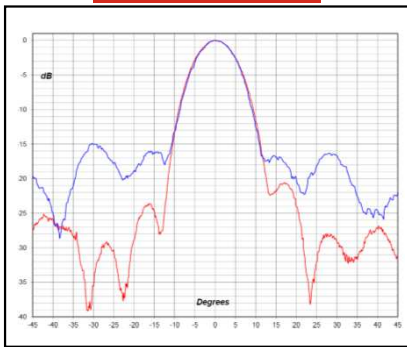
Typical Antenna Gain / Factor

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.

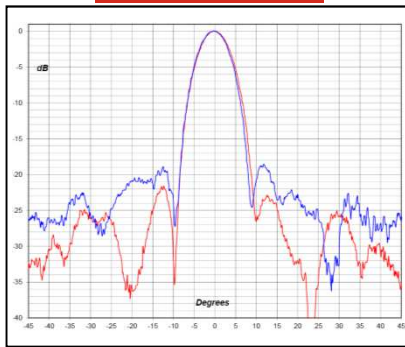




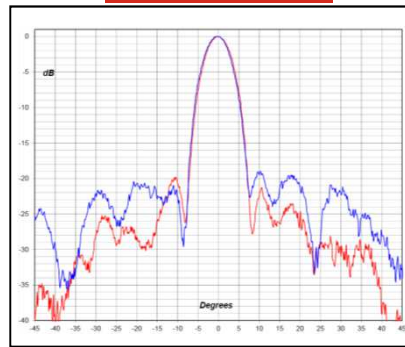
1.0 GHz



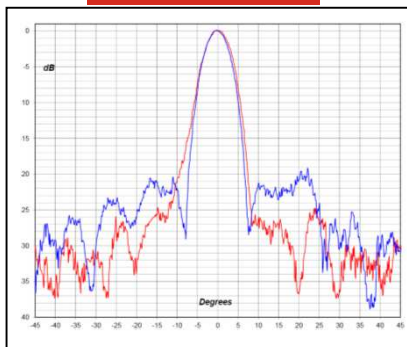
1.4 GHz



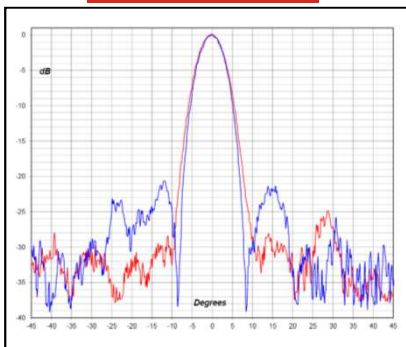
1.6 GHz



1.8 GHz



2.0 GHz



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

