

0.9 m Reflector Antenna

2 to 8 GHz

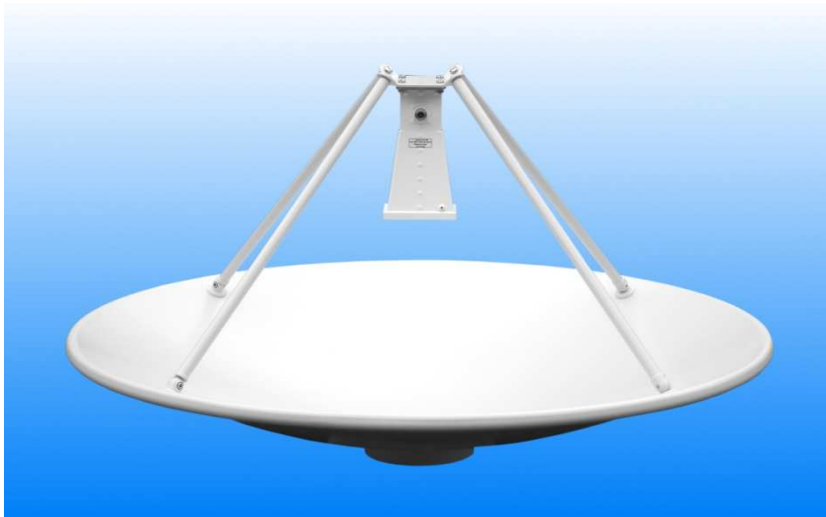
Wideband Feed

Reflector catalogue number: **QSR900-A-337**

Feed catalogue number: **QWF-SL-2-8-N**

Q-par reference: **QMS-00317**

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



Test Report

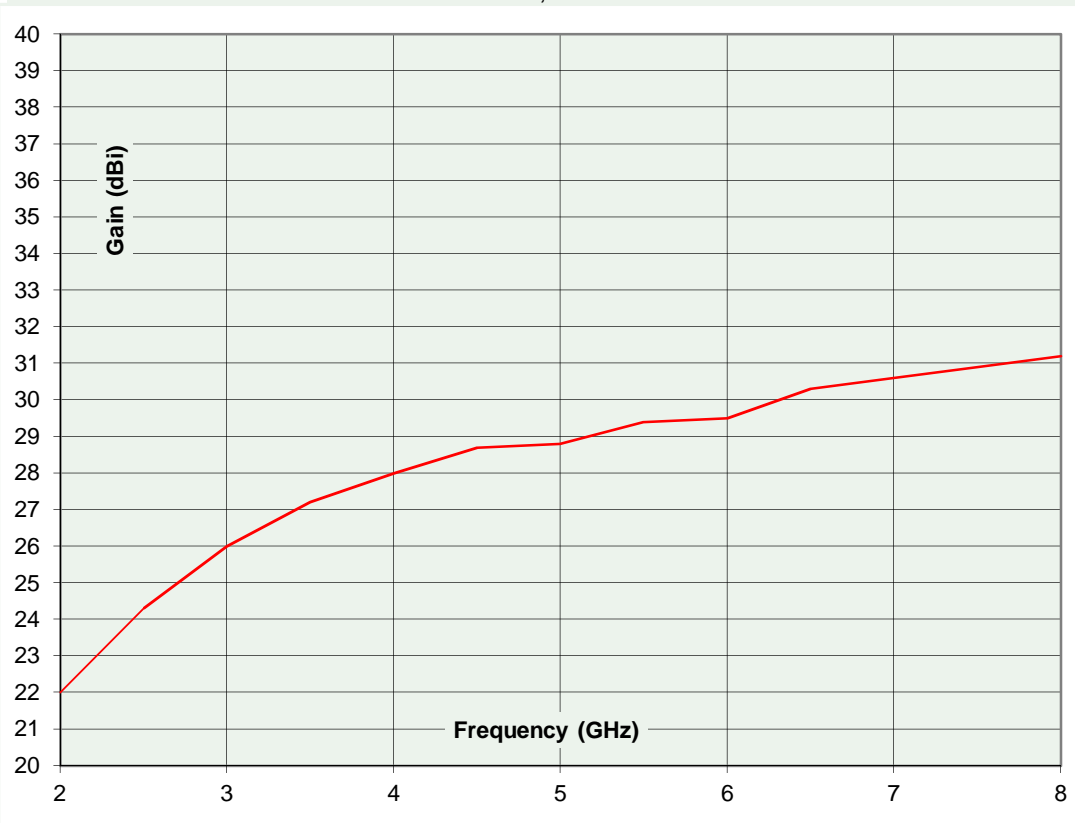
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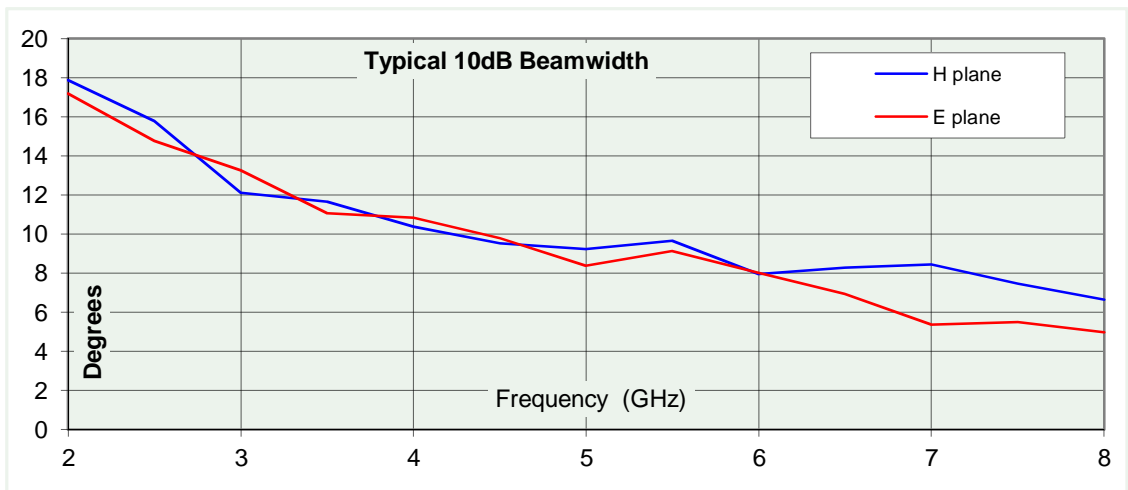
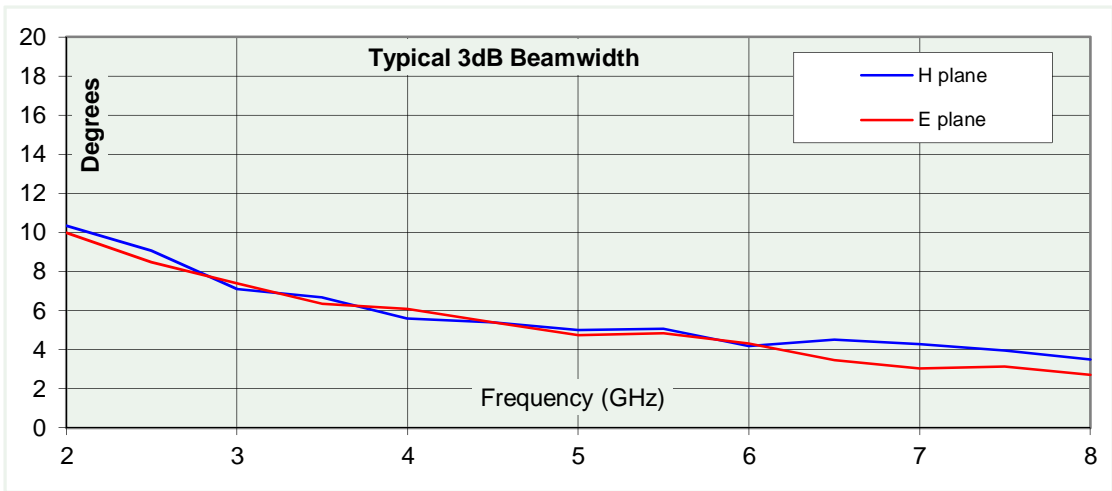
Typical Specification

Frequency	2 to 8 GHz
Connector type	N type jack
Power Handling	400 Watt c.w.
VSWR	Typically < 2.0:1 (2.3:1 max.)
Gain	22 to 31.2 dBi
3dB Beamwidth	2.7 to 10.4 degrees
10dB Beamwidth	5 to 18 degrees
Weight	8 kg nominal
Focal Length	338 mm
F/D	0.38
Size- max.	Reflector diameter 930 mm max
Mounting	Positioner mounted
Construction	Spun aluminium reflector. Powdercoat finish. Composite feed.

Typical Antenna Gain

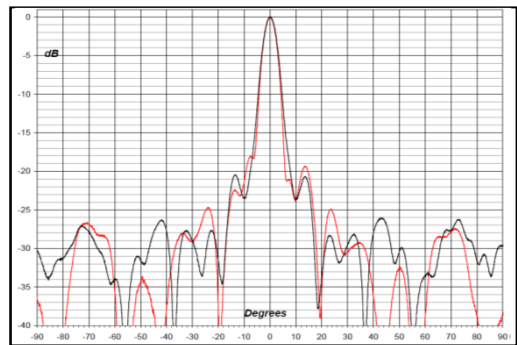
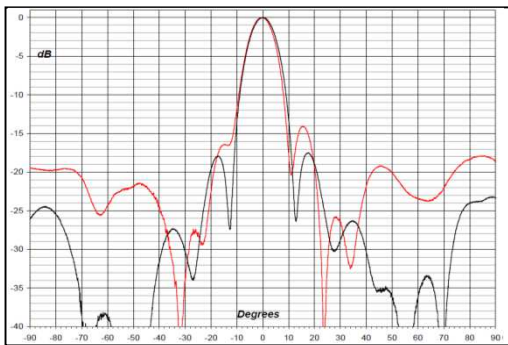
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



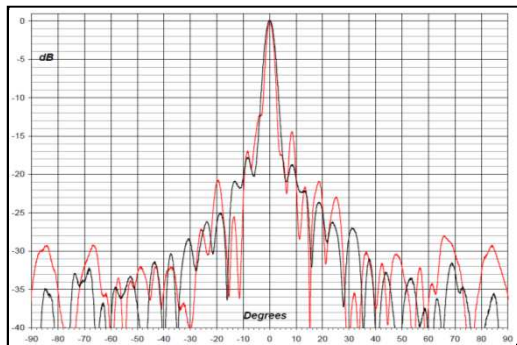


2 GHz

5 GHz



8 GHz



* Red trace = E-plane, Black trace = H-plane cut