

0.34 m Reflector Antenna

26.5 to 40 GHz

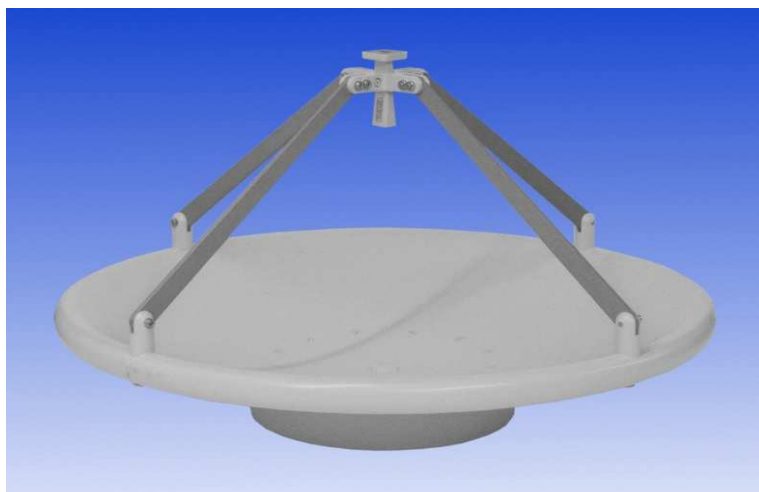
Waveguide feed

Reflector catalogue number: **QSR-340-A-152**

Feed catalogue number: **QSF-SL-26-40-F**

Q-par reference: **QMS-00704**

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



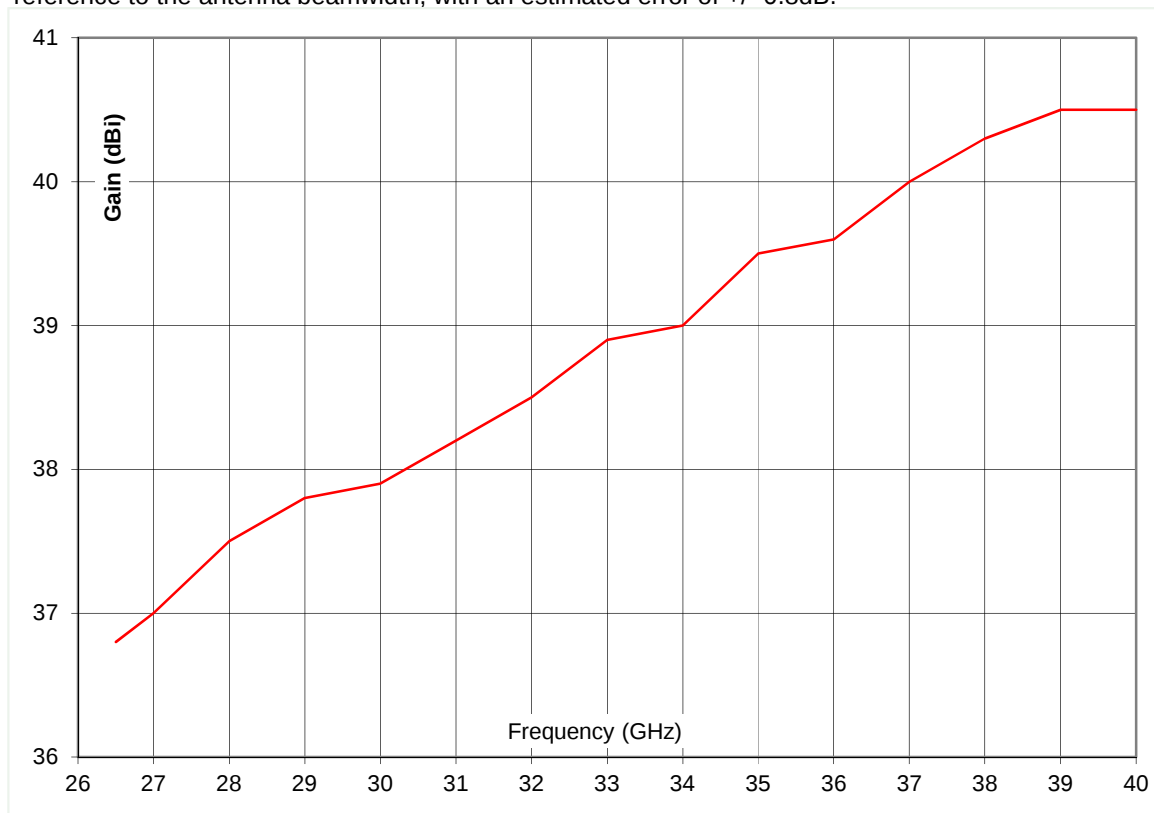
Test Report

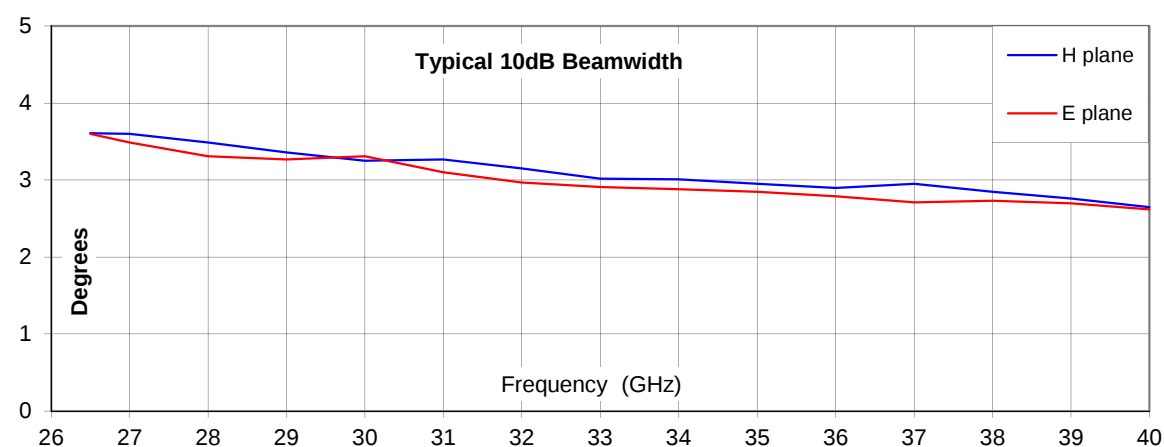
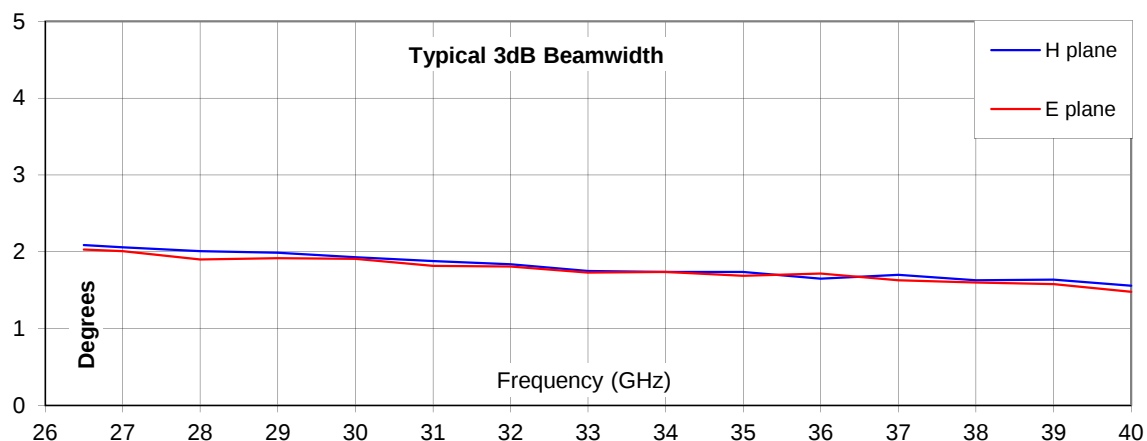
Typical Specification

Frequency	26.5 to 40 GHz
Connector type	WG20 R220 WR42 flange
Power Handling	5 kWatt c.w.
VSWR	Typically < 1.4:1
Gain	36.8 to 40.5 dBi
3dB Beamwidth	1.5 to 2.1 degrees
10dB Beamwidth	2.6 to 3.6 degrees
Weight	1.9 kg nominal
Focal Length	152 mm
F/D	0.45
Size- max.	Reflector diameter 370 mm max
Mounting	8 holes, tapped M6, 125 mm p.c.d.
Construction	Spun aluminium reflector. Powdercoat finish. Copper / brass 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.

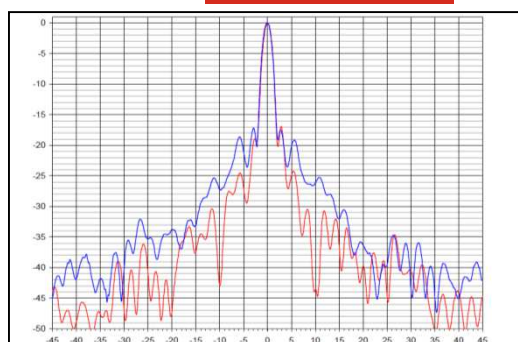




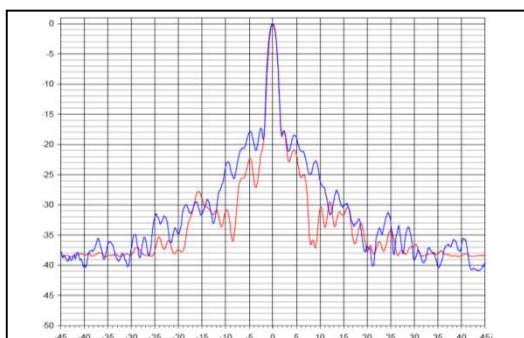
26.5 GHz



33 GHz



40 GHz



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