

0.9 m Aluminium Reflector & 2 - 8 GHz Wideband feed fitted with an N type Connector and Radome

Catalogue number **QSR-900-A-337 & QWF-SL-2-8-N-R**

Steatite reference **QMS-00984**

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



QQD06-2 V7.3

PDM 21/10/2020 2349

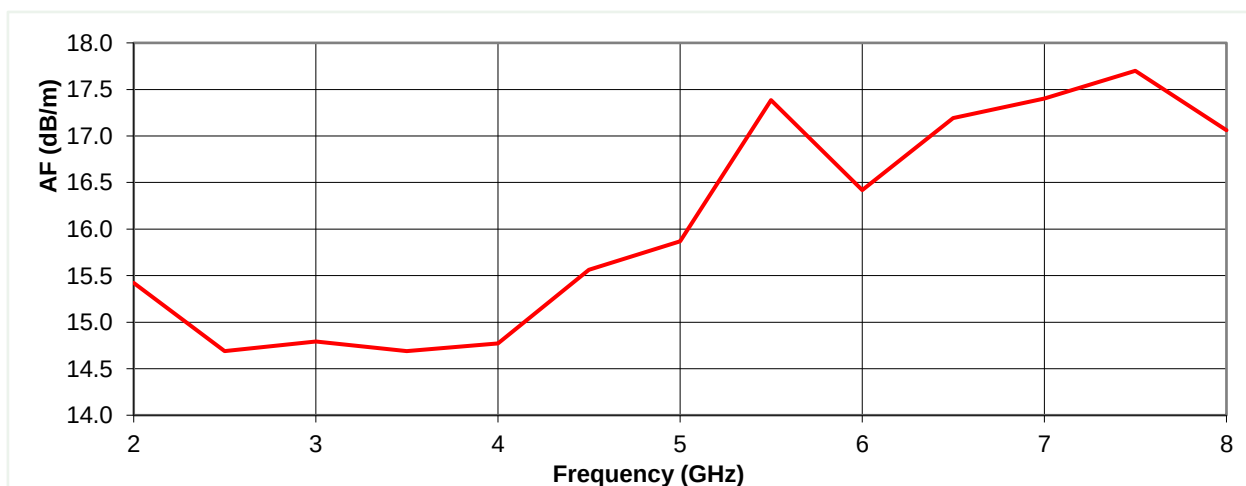
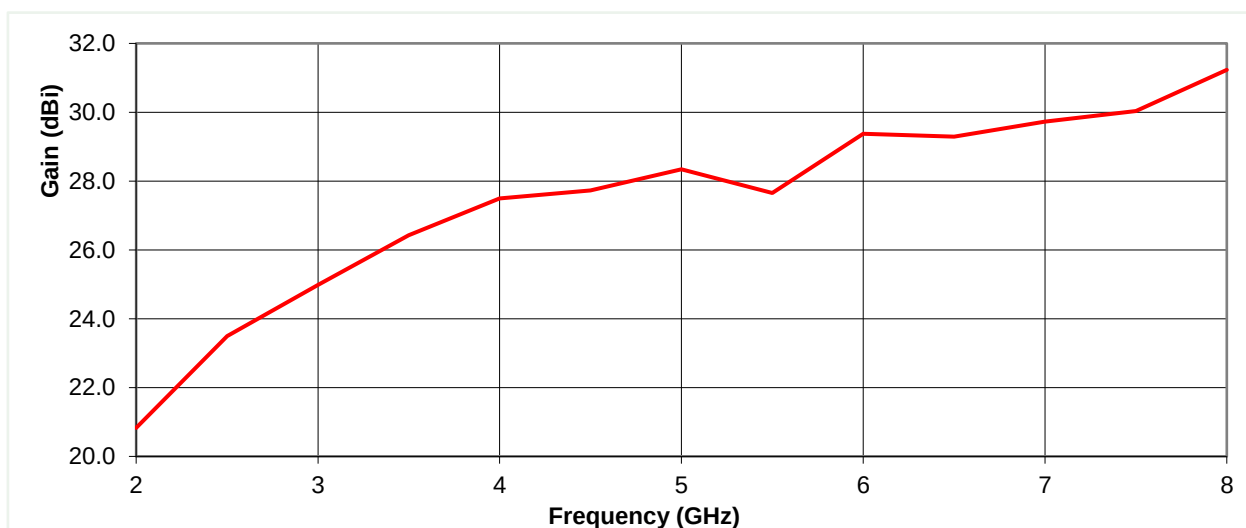


Typical Specification

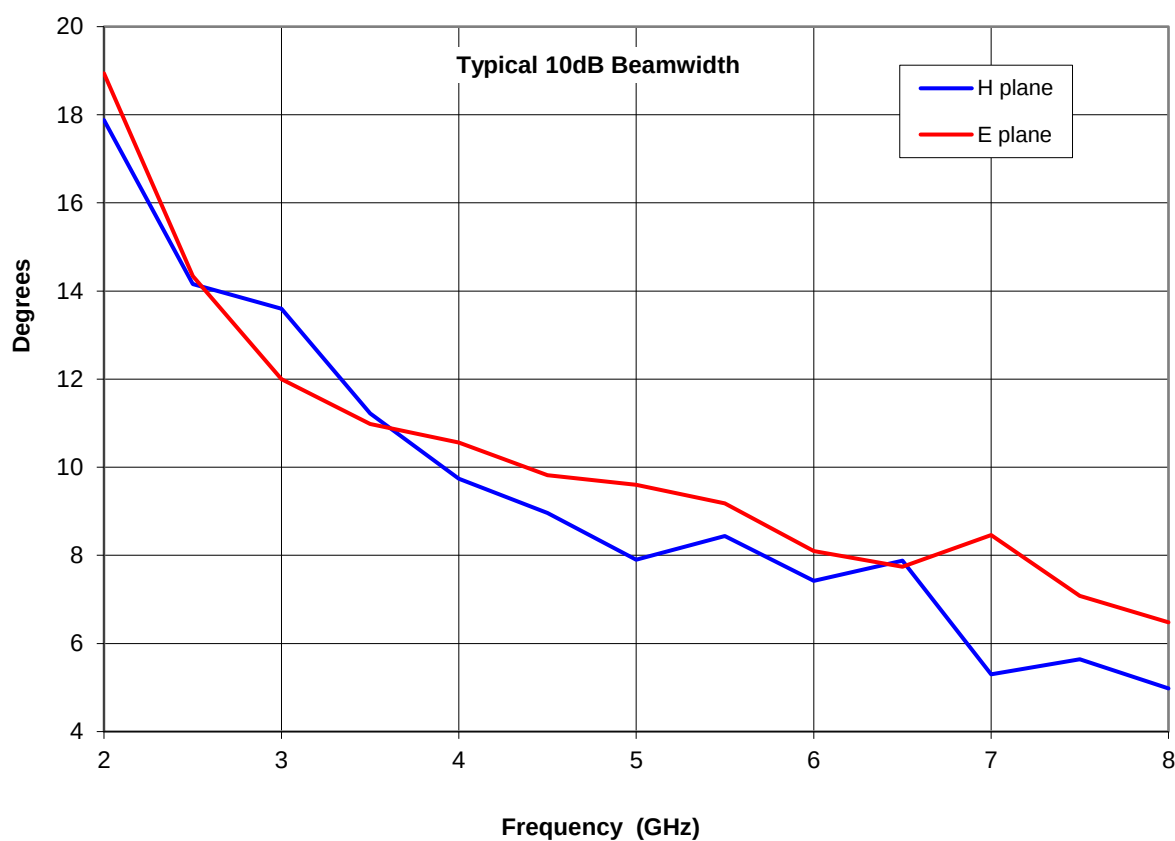
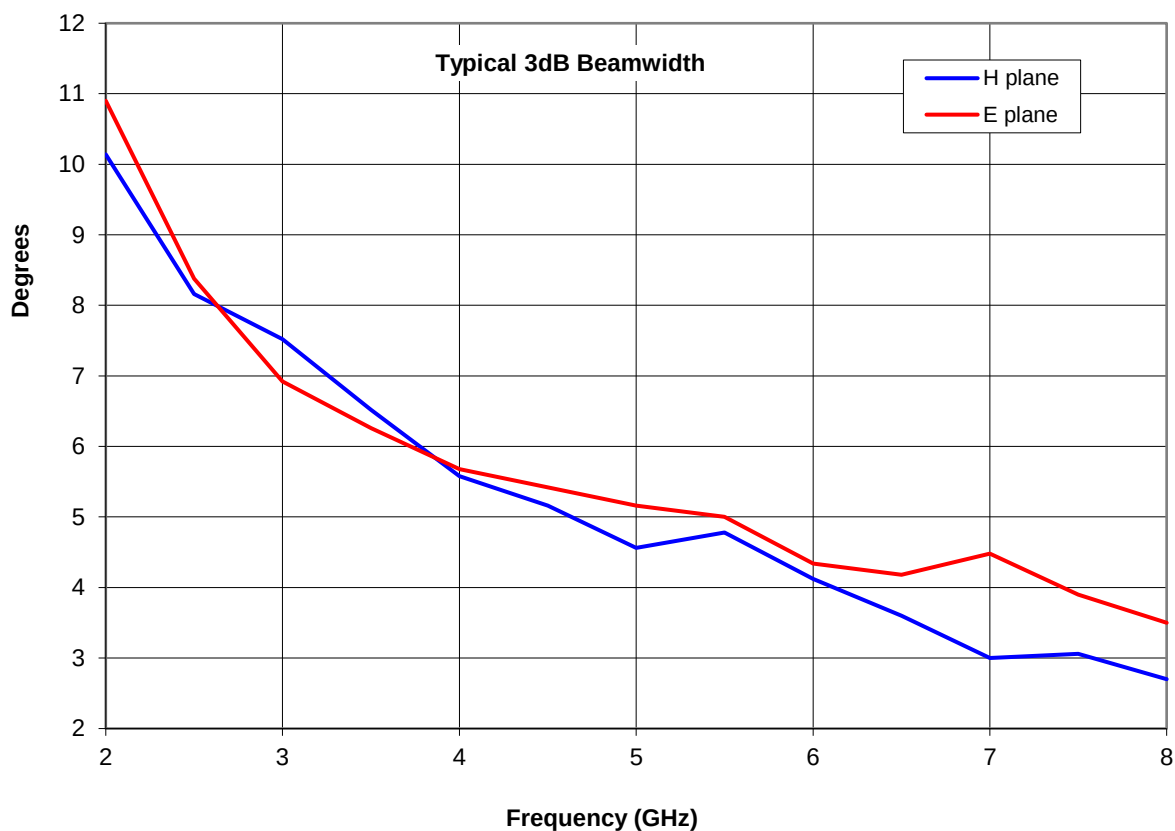
Frequency	2 to 8 GHz
Connector Type	N-Type Female
Power Handling	400W CW (Ideal Load and Ambient Temperature)
VSWR	Typically < 2.0:1 (2.3:1 max.)
Gain	20.8 to 31.2 dBi
Antenna Factor	14.7 to 17.7 dB/m
3dB Beamwidth	3 to 11 degrees
10dB Beamwidth	5 to 19 degrees
Weight	9 kg nominal
Maximum Size	Reflector diameter 930 mm
Mounting	8 holes, tapped M6 on 125 mm pitch circle diameter
Construction	Spun aluminium reflector, powdercoat finish. Aluminium 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.

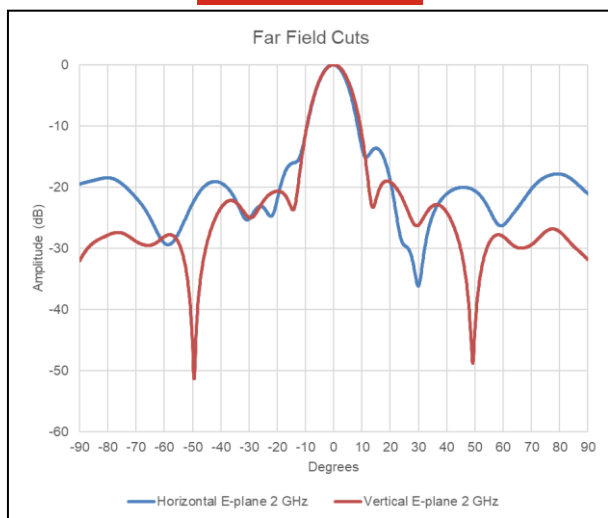


Typical Beamwidth

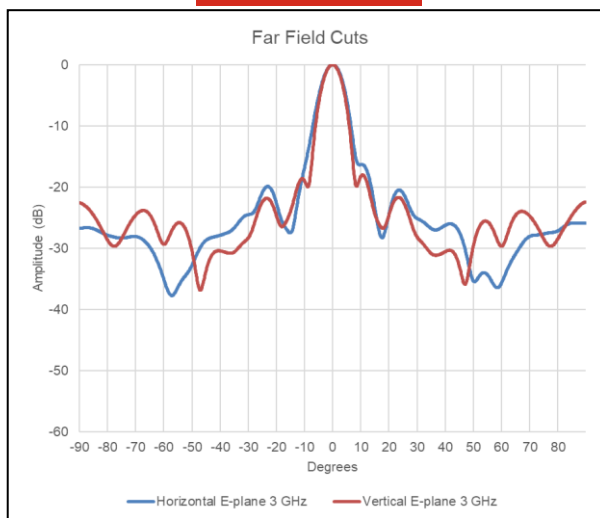


Typical Radiation Patterns

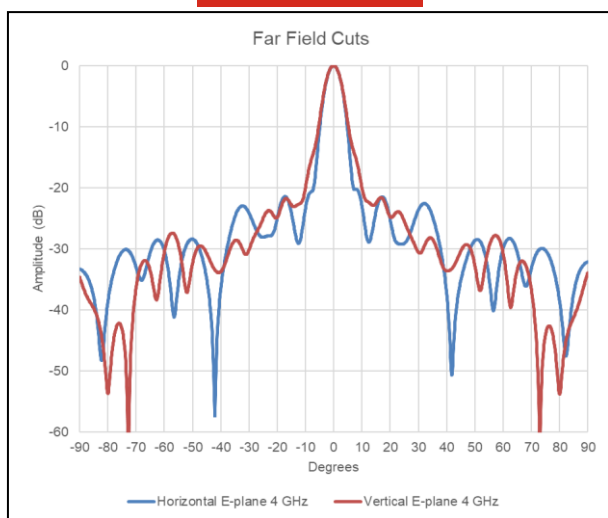
2 GHz



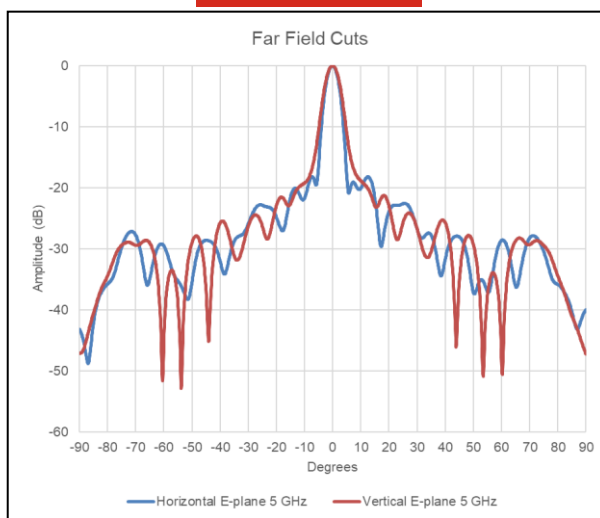
3 GHz



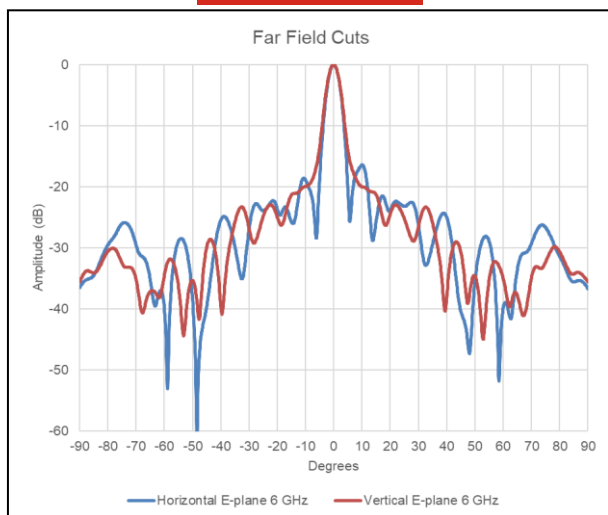
4 GHz



5 GHz



6 GHz



8 GHz

