

1.2 m Aluminium Reflector & 2 - 18 GHz Dual Linearly Polarised Wideband Reflector Feed fitted with N type Connectors and Radome

Catalogue number **QSR-1200-A-457 & QWF-DL-2-18-N-R**

Steatite reference **QMS-01058**

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

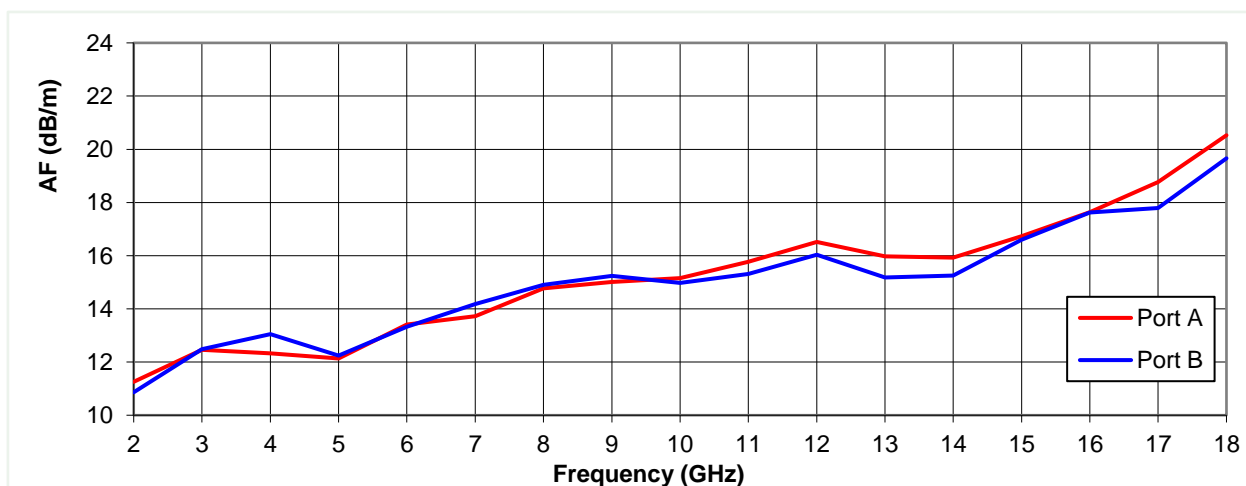
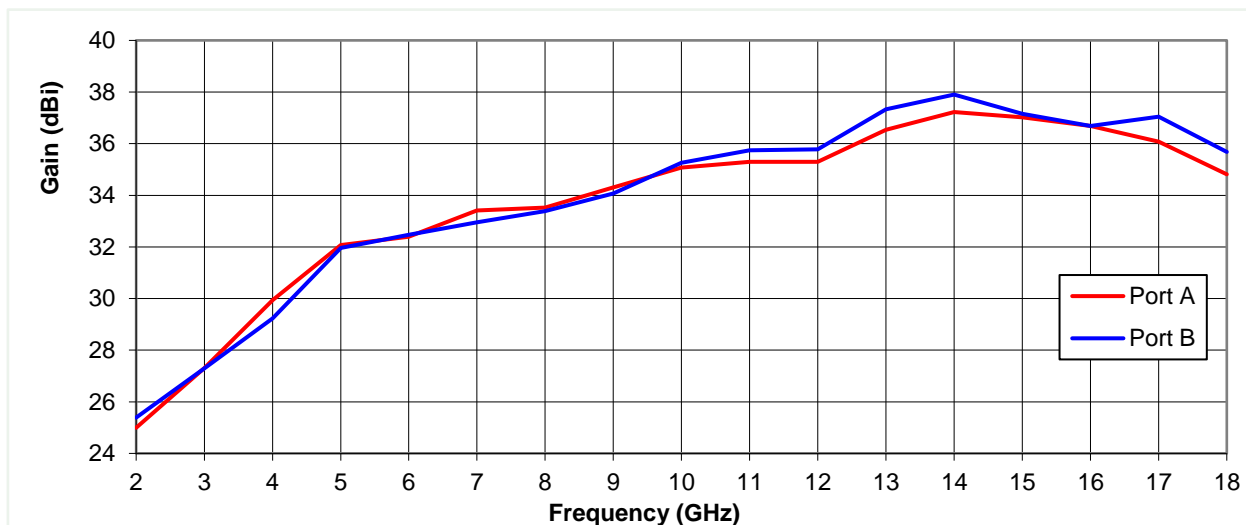


Typical Specification

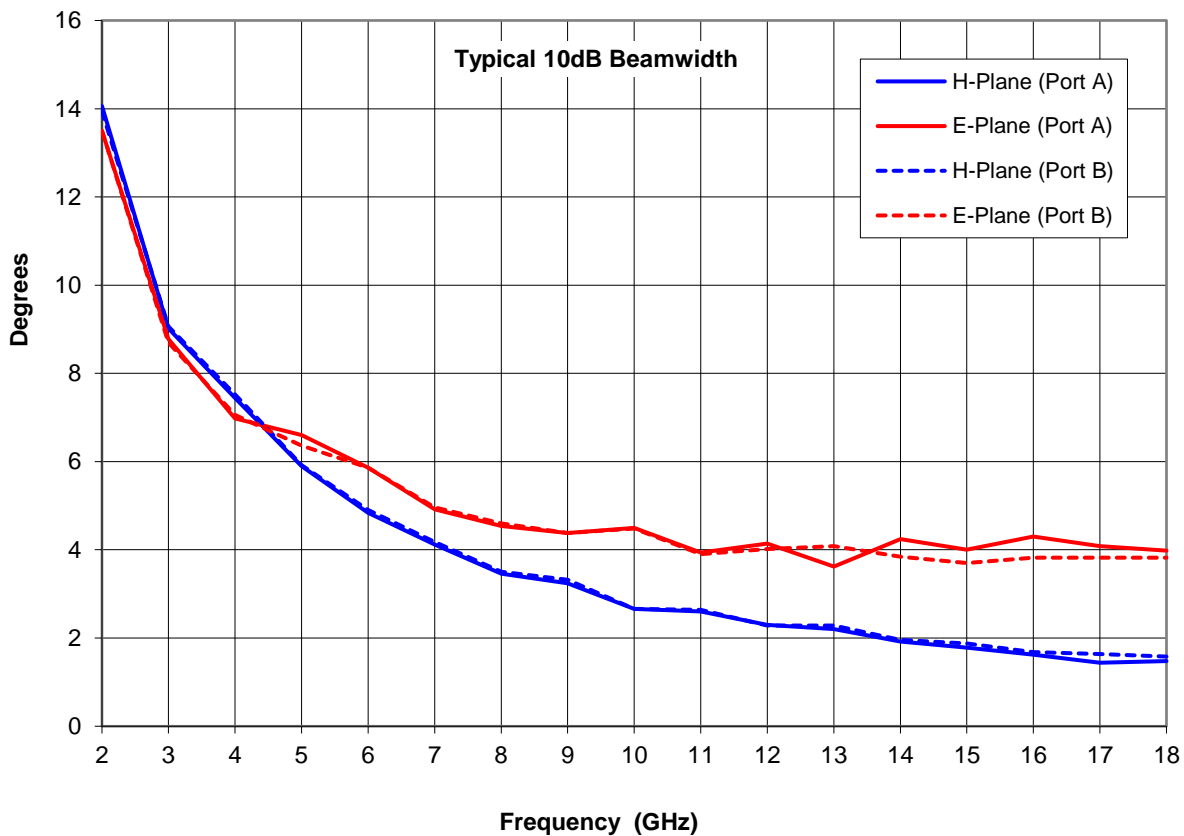
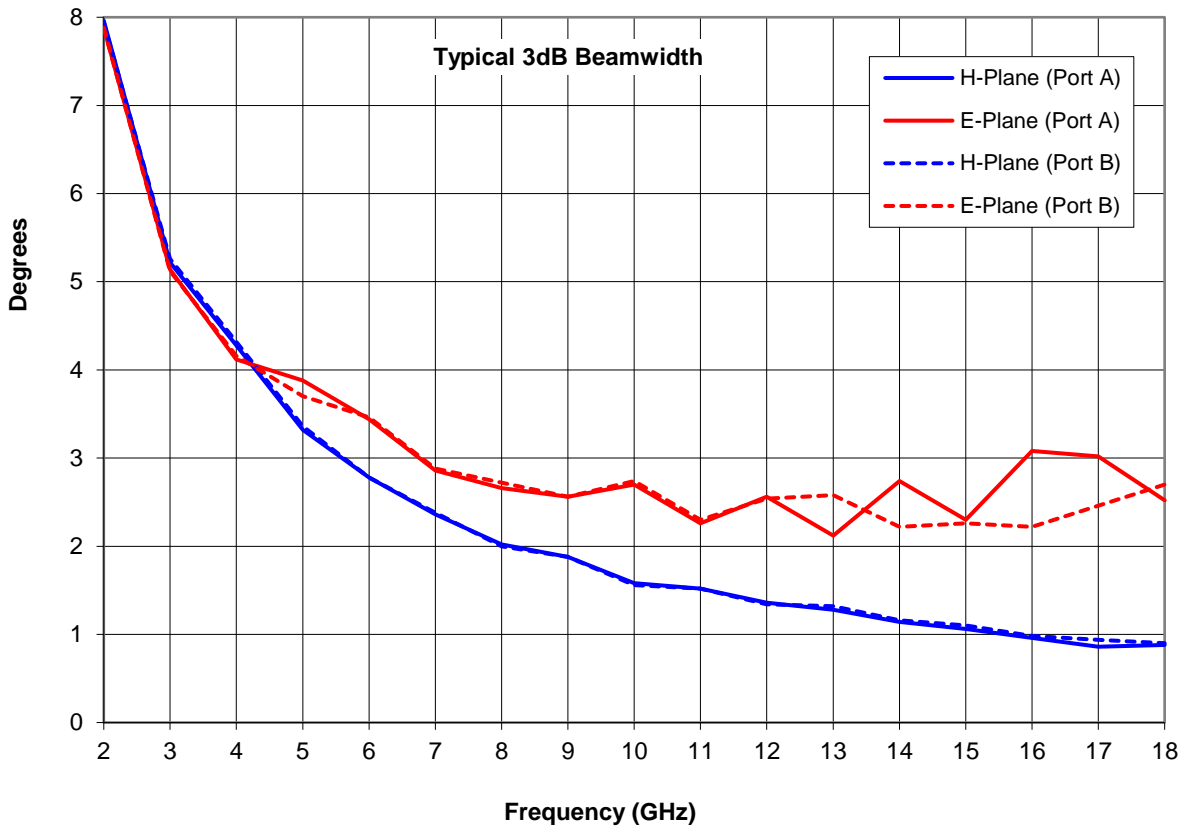
Frequency	2 to 18 GHz
Connector Type	2 x N-Type Female Connectors
Power Handling	100W Average (Ambient Temperature and Sea Level)
VSWR	< 2.5:1 Typical
Gain	25 to 37.9 dBi
Antenna Factor	10.9 to 20.5 dB/m
3dB Beamwidth	1 to 8 degrees
10dB Beamwidth	1 to 14 degrees
Weight	14.5 kg nominal
Maximum Size	1241mm Diameter Reflector, 590mm Overall Length.
Mounting	8 x M6x1.0 Helicoils on a 125mm PCD
Construction	Aluminium Reflector and Feed with a Dielectric Radome

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.

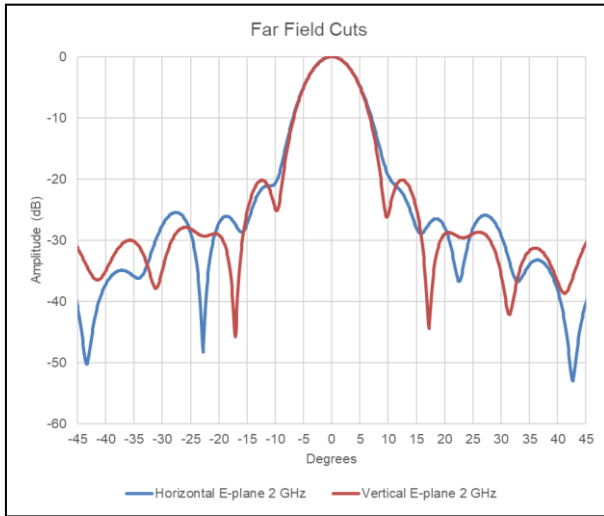


Typical Beamwidth

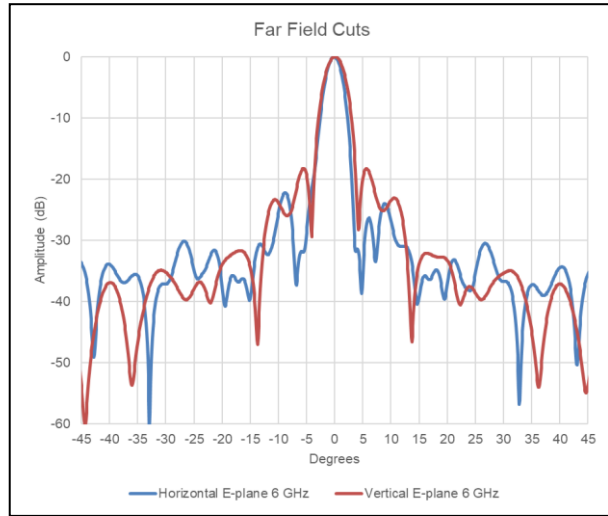


Typical Radiation Patterns

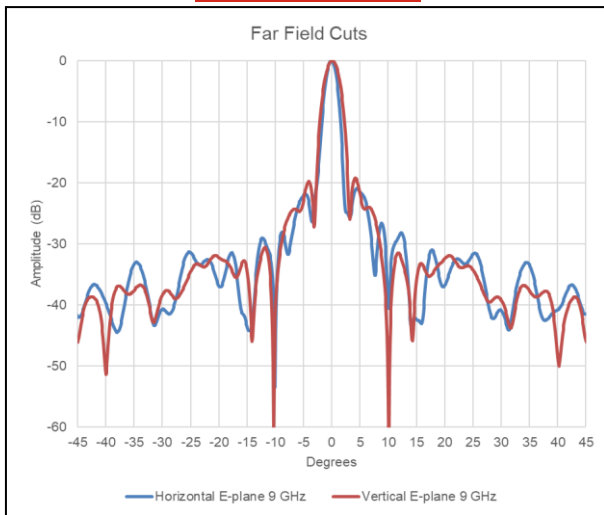
2 GHz



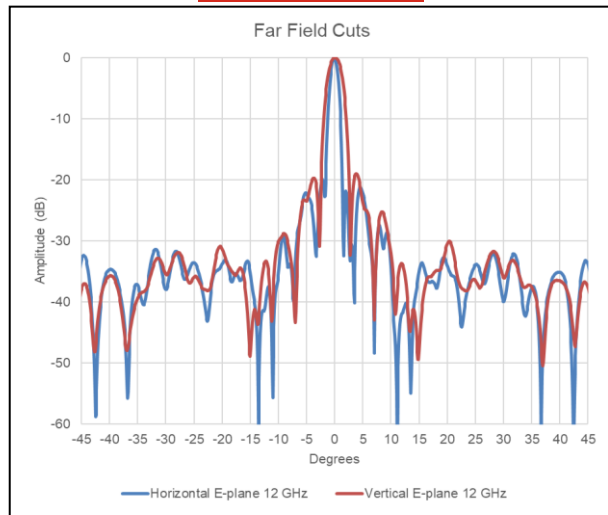
6 GHz



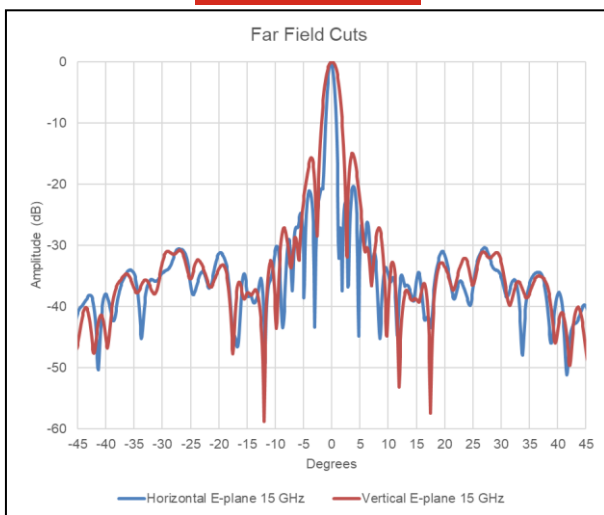
9 GHz



12 GHz



15 GHz



18 GHz

