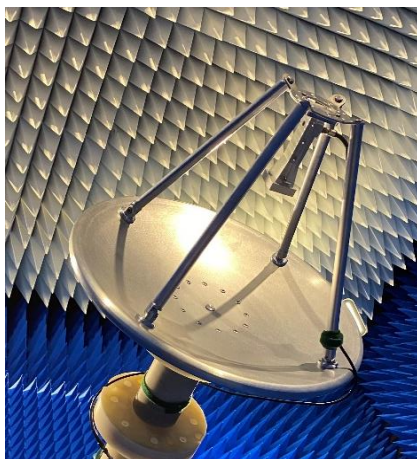


0.45 m Aluminium Reflector & 6.5 - 18 GHz Wideband Reflector Feed fitted with an SMA type Connector and a Radome

Catalogue number **QSR-450-A-228 & QWF-SL-6.5-18-S-R**

Steatite reference **QMS-01083**

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

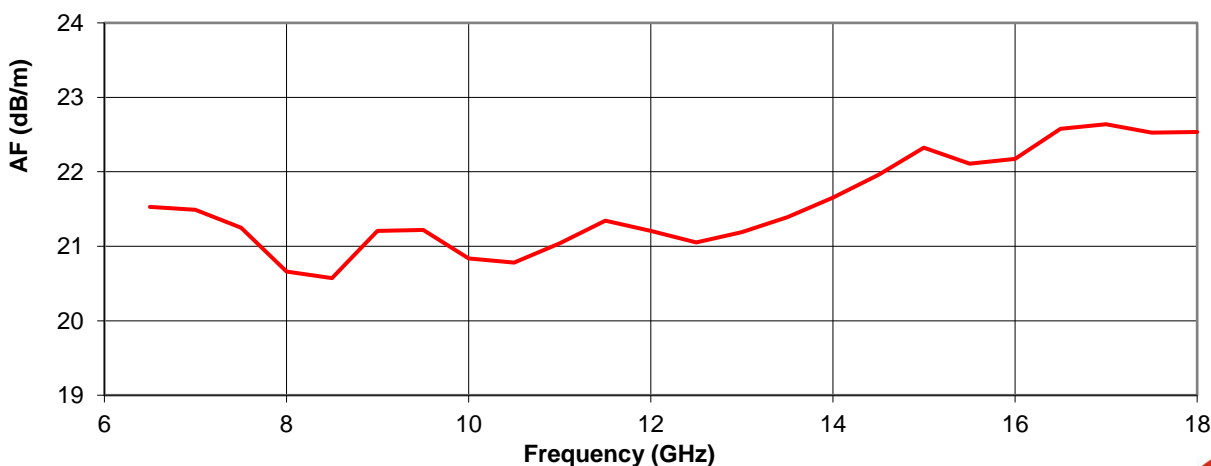
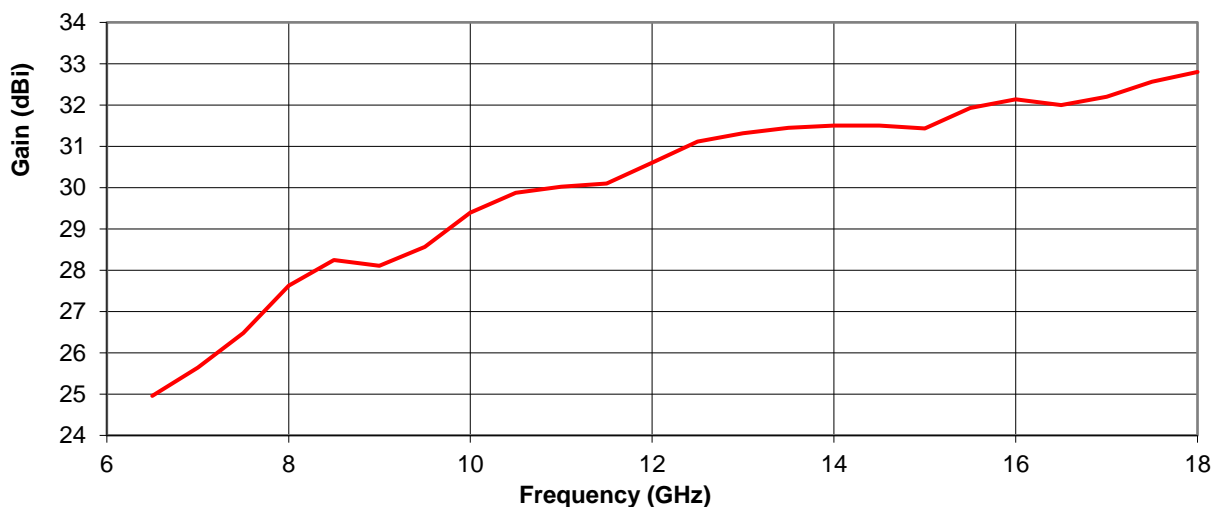


Typical Specification

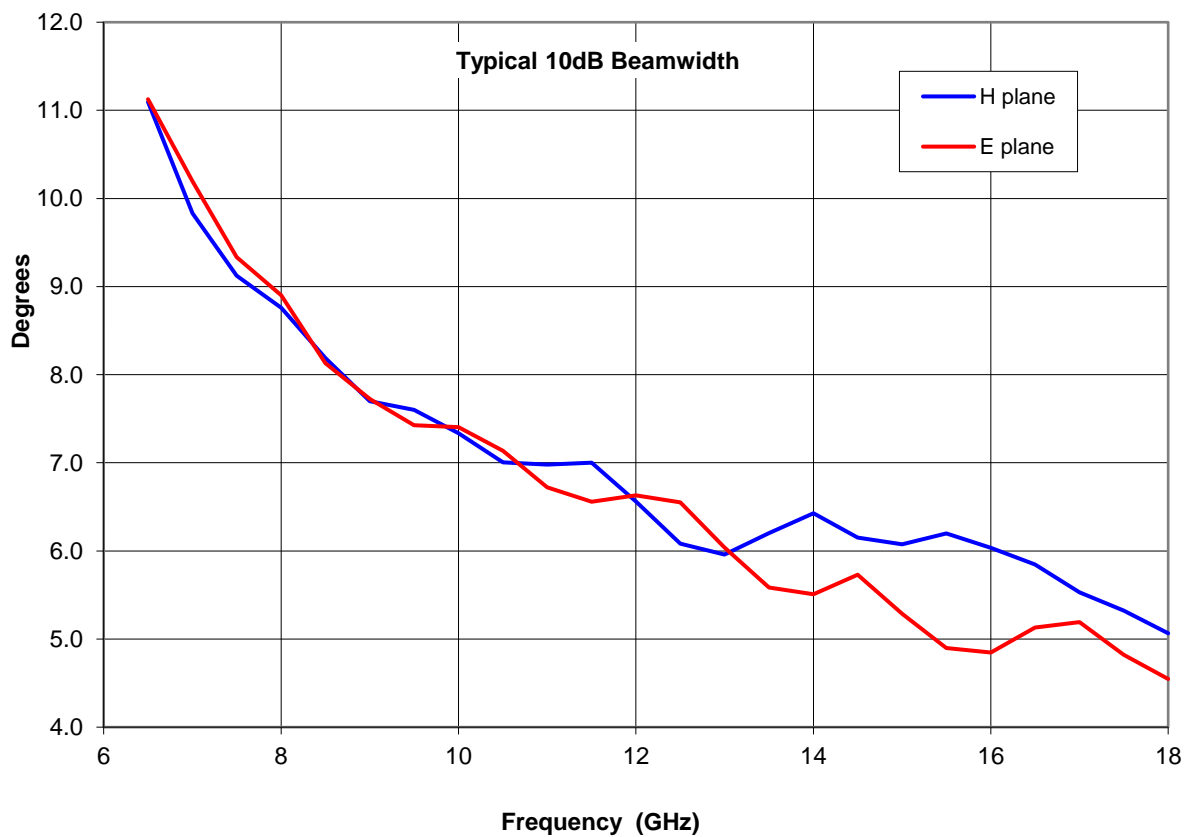
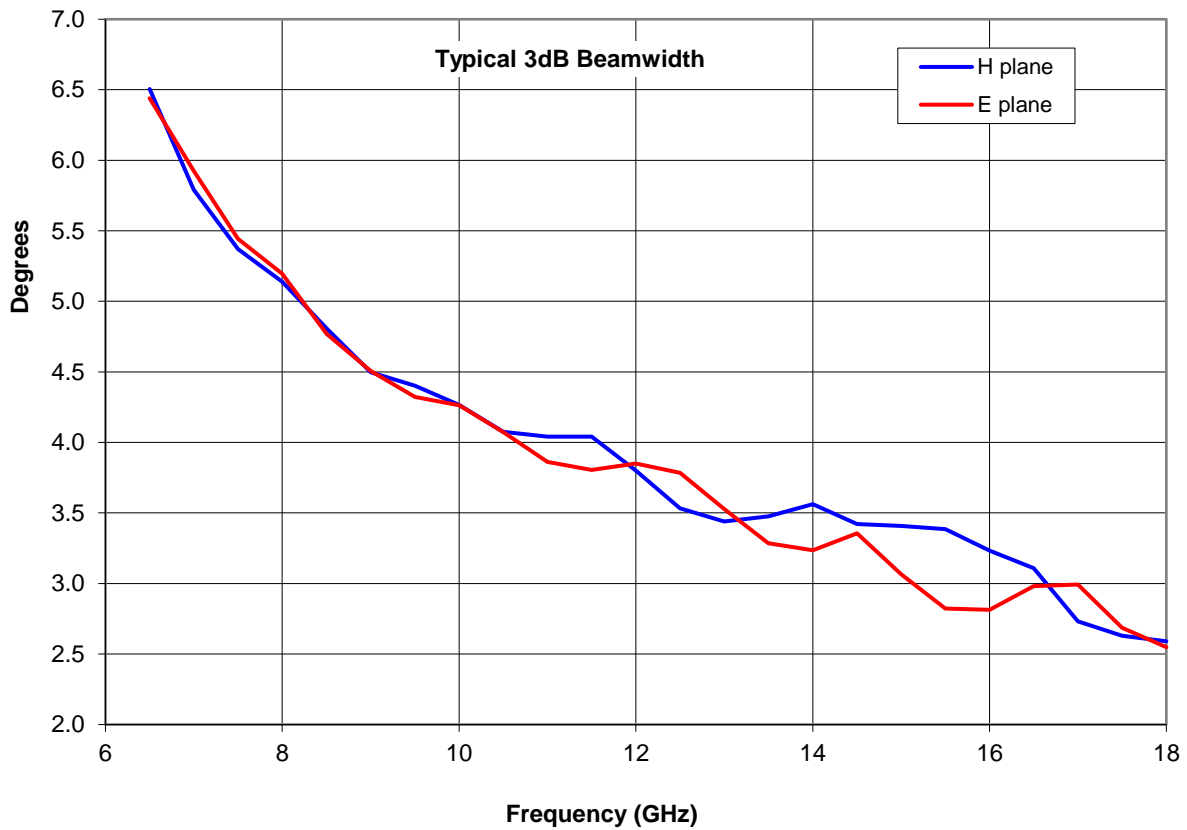
Frequency	6.5 to 18 GHz
Connector Type	SMA Female
Power Handling	40W CW (Ambient Temperature and Sea Level)
VSWR	Typically < 2.5:1
Gain	25 to 32.8 dBi
Antenna Factor	20.6 to 22.6 dB/m
3dB Beamwidth	3 to 7 degrees
10dB Beamwidth	5 to 11 degrees
Weight	3 kg nominal
Maximum Size	Maximum Reflector diameter 483 mm
Mounting	8 holes, tapped M6, 125 mm pitch circular diameter
Construction	Spun aluminium reflector. Aluminium feed and 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.

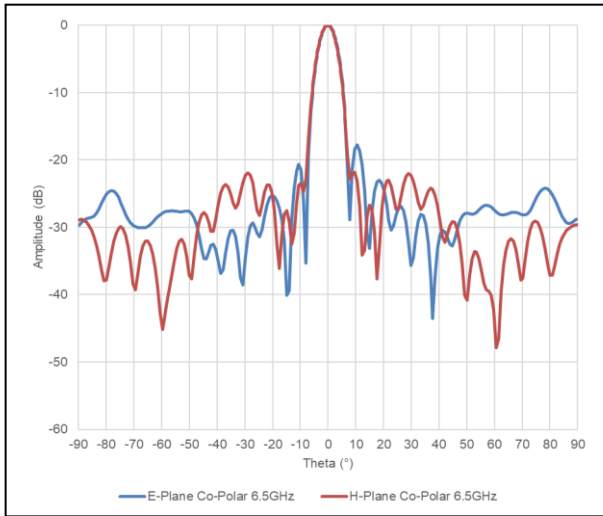


Typical Beamwidth

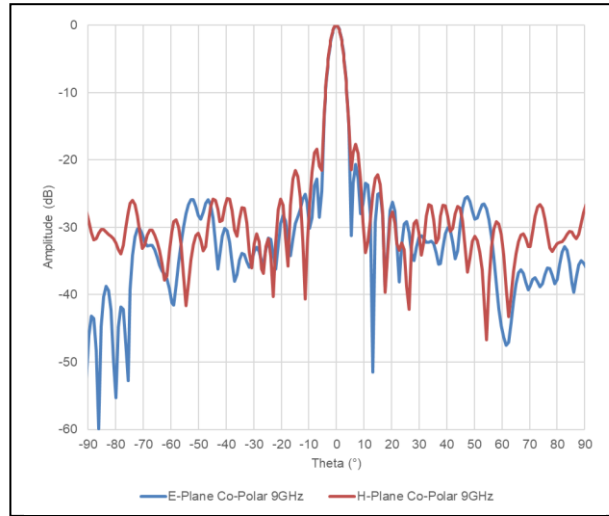


Typical Radiation Patterns

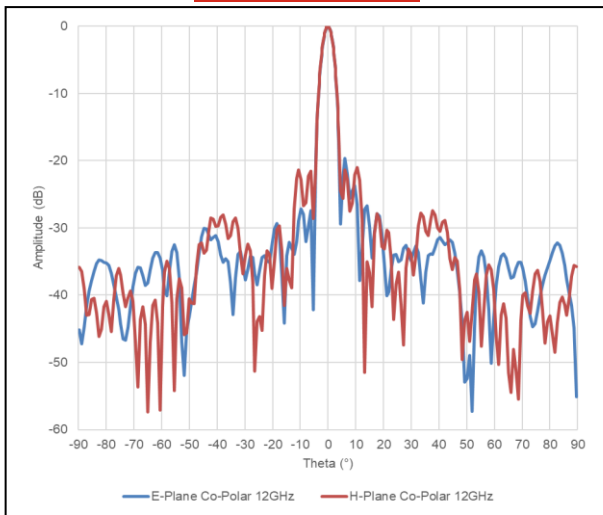
6.5 GHz



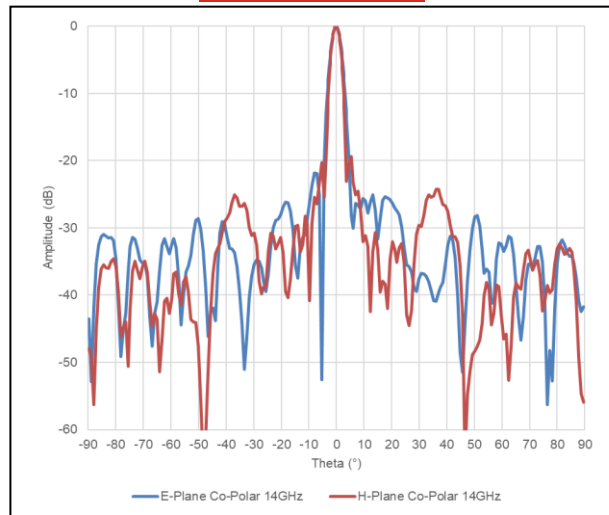
9 GHz



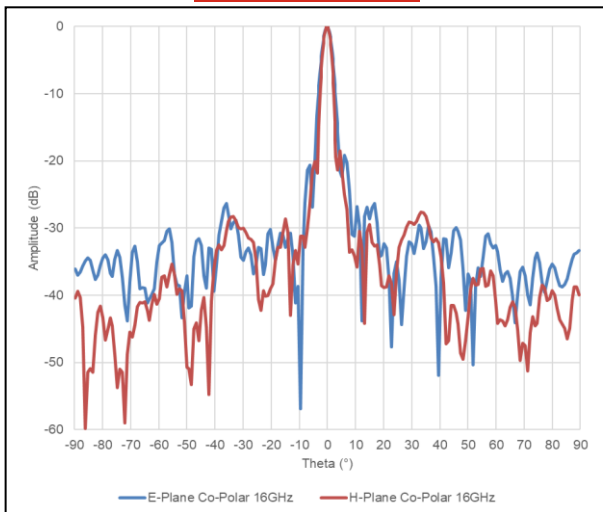
12 GHz



14 GHz



16 GHz



18 GHz

