



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

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

Steatite reference **QMS-00945**

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

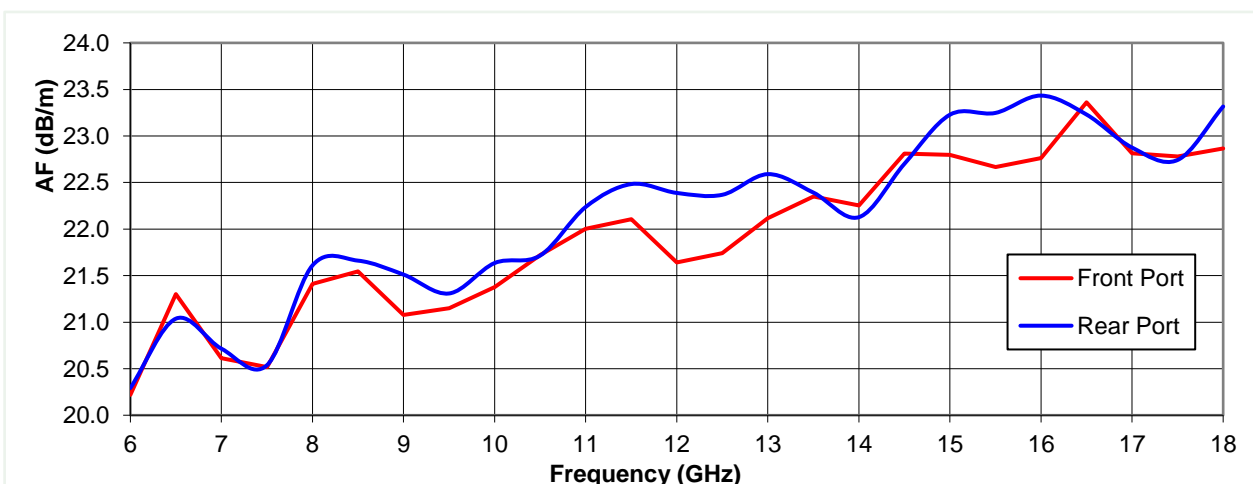
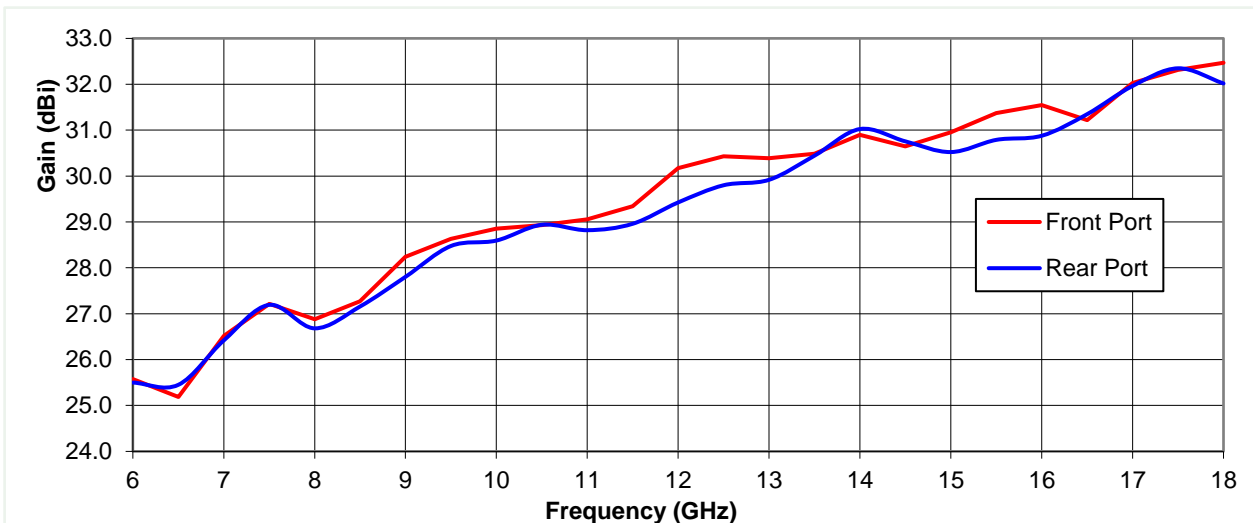


Typical Specification

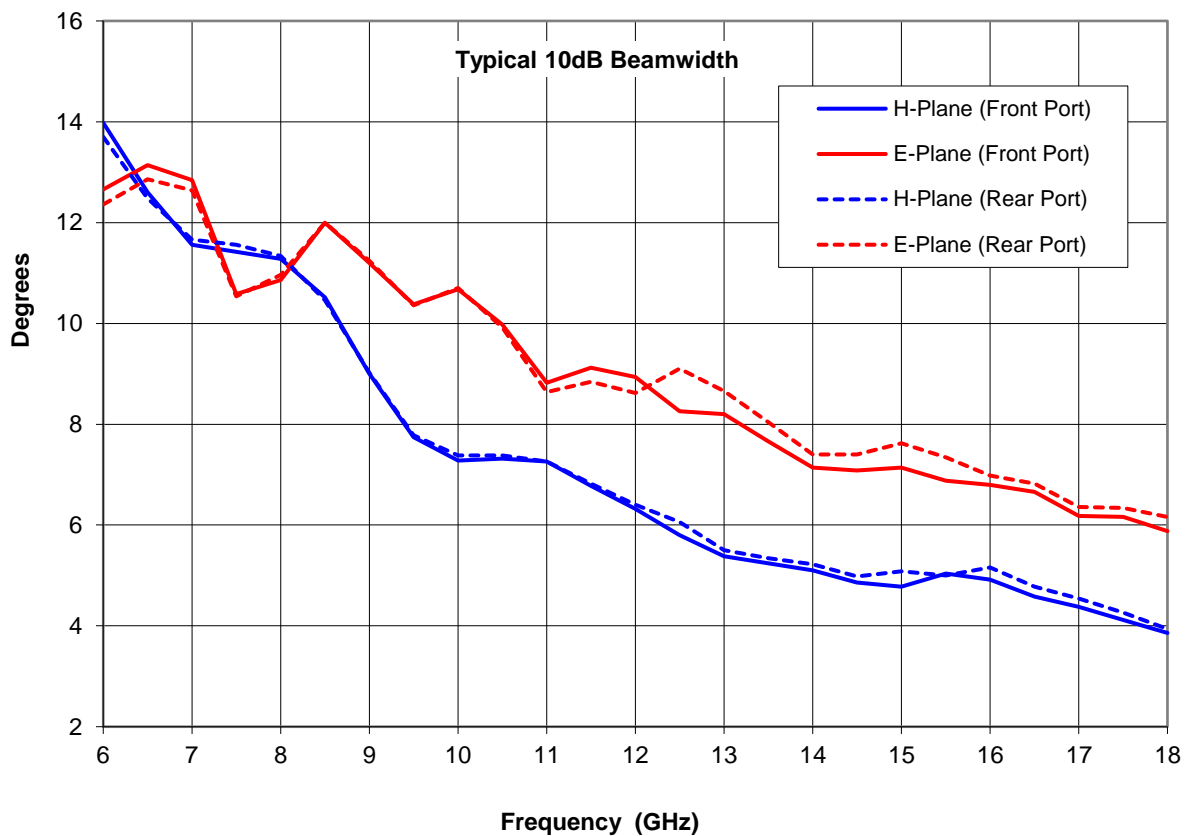
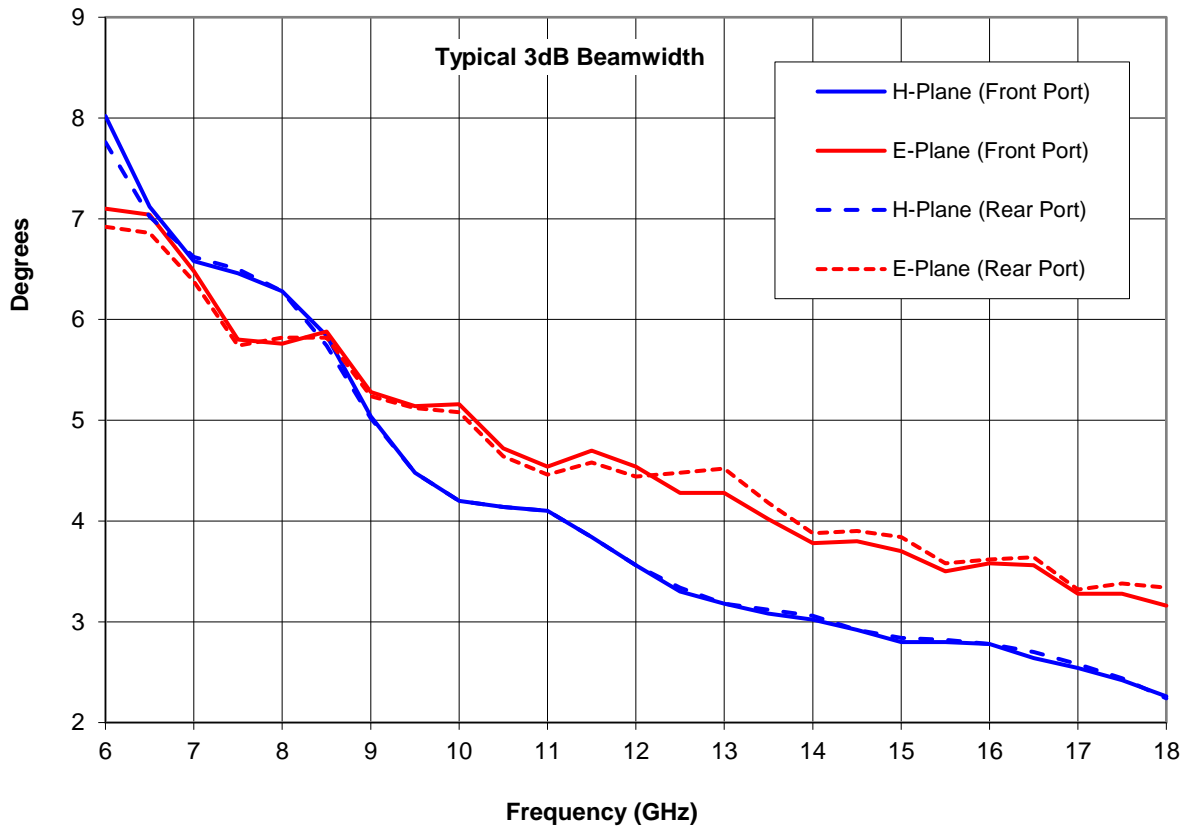
Frequency	6.5 to 18 GHz
Connector Type	2 x SMA Female
Power Handling	40 Watt c.w.
VSWR	Typically < 2.5:1
Gain	25.2 to 32.5 dBi
Antenna Factor	20.2 to 23.4 dB/m
3dB Beamwidth	2 to 8 degrees
10dB Beamwidth	4 to 14 degrees
Weight	3.2 kg nominal
Maximum Size	Maximum Reflector diameter 483 mm
Mounting	8 holes, tapped M6, 125 mm pitch circular diameter
Construction	Spun aluminium reflector, powdercoat finish. Composite 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.

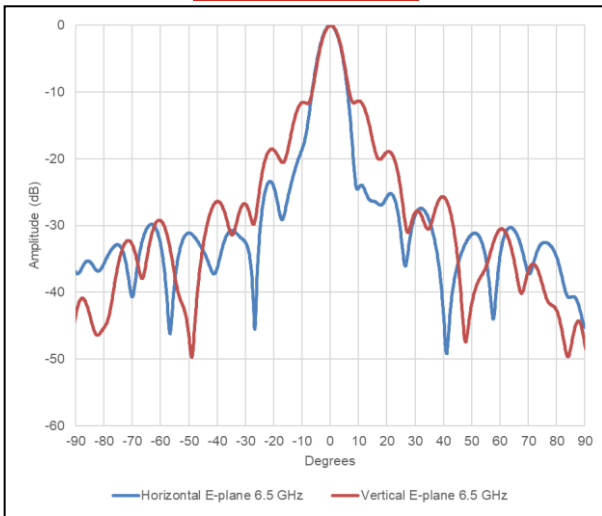


Typical Beamwidth

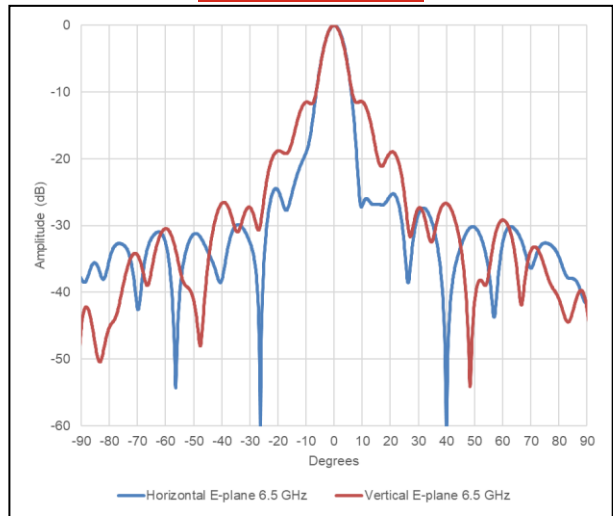


Typical Radiation Patterns

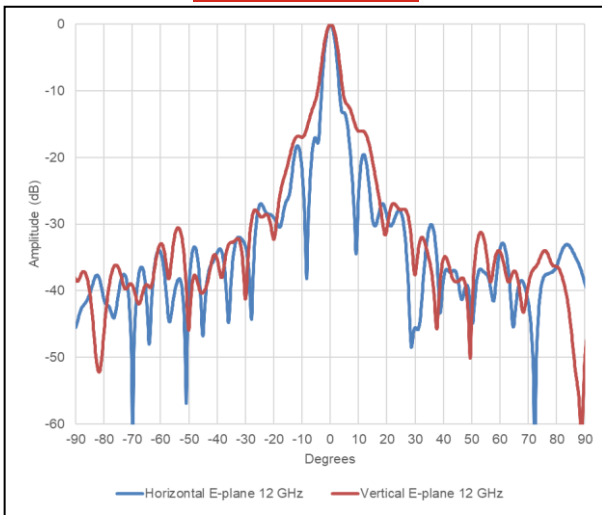
6.5 GHz (Front Port)



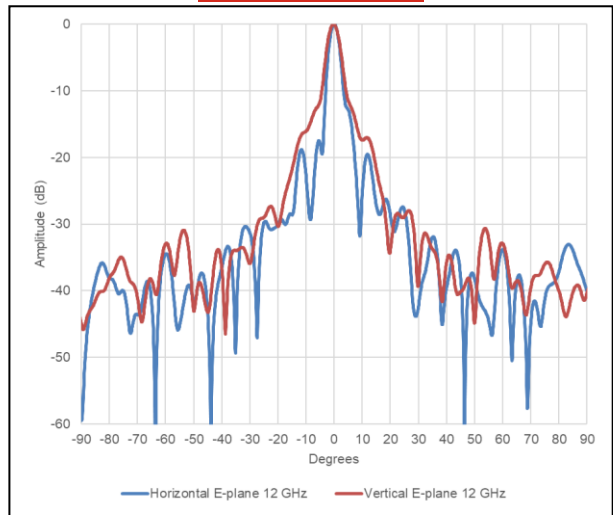
6.5 GHz (Rear Port)



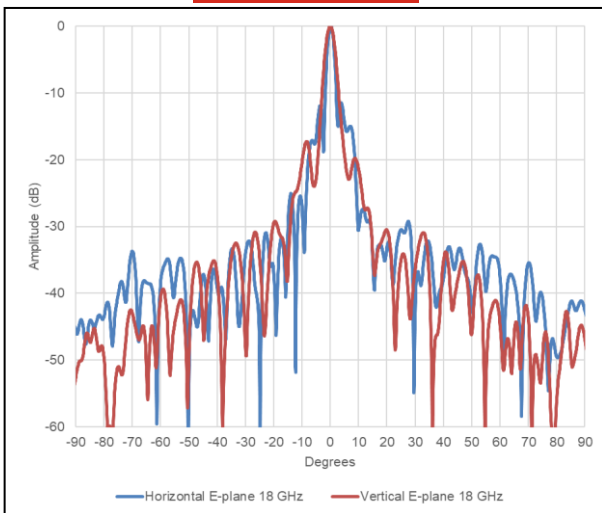
12 GHz (Front Port)



12 GHz (Rear Port)



18 GHz (Front Port)



18 GHz (Rear Port)

