



0.34 m Aluminium Reflector & 6.5 - 18 GHz Dual Polar Wideband Feed fitted with SMA type Connectors and a Radome

Catalogue number **QSR-340-A-152 & QWF-DL-6.5-18-S-R**

Steatite reference **QMS-00949**

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

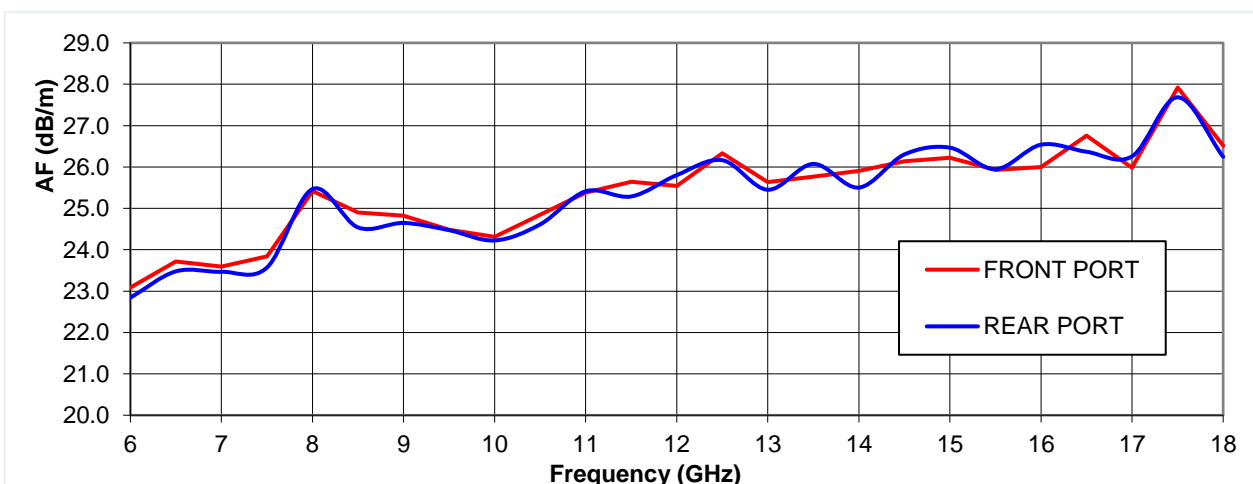
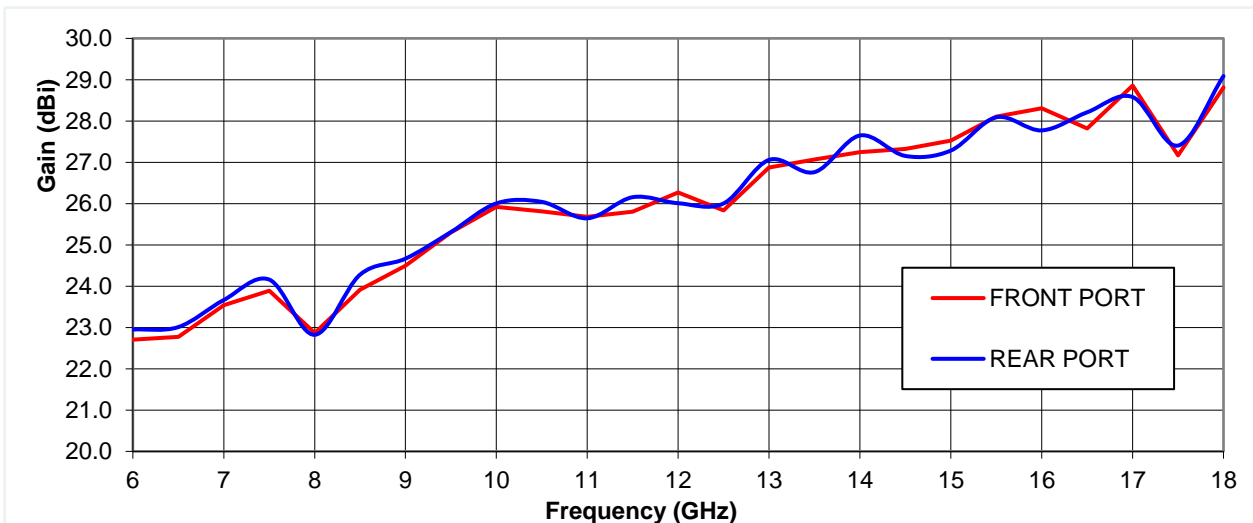


Typical Specification

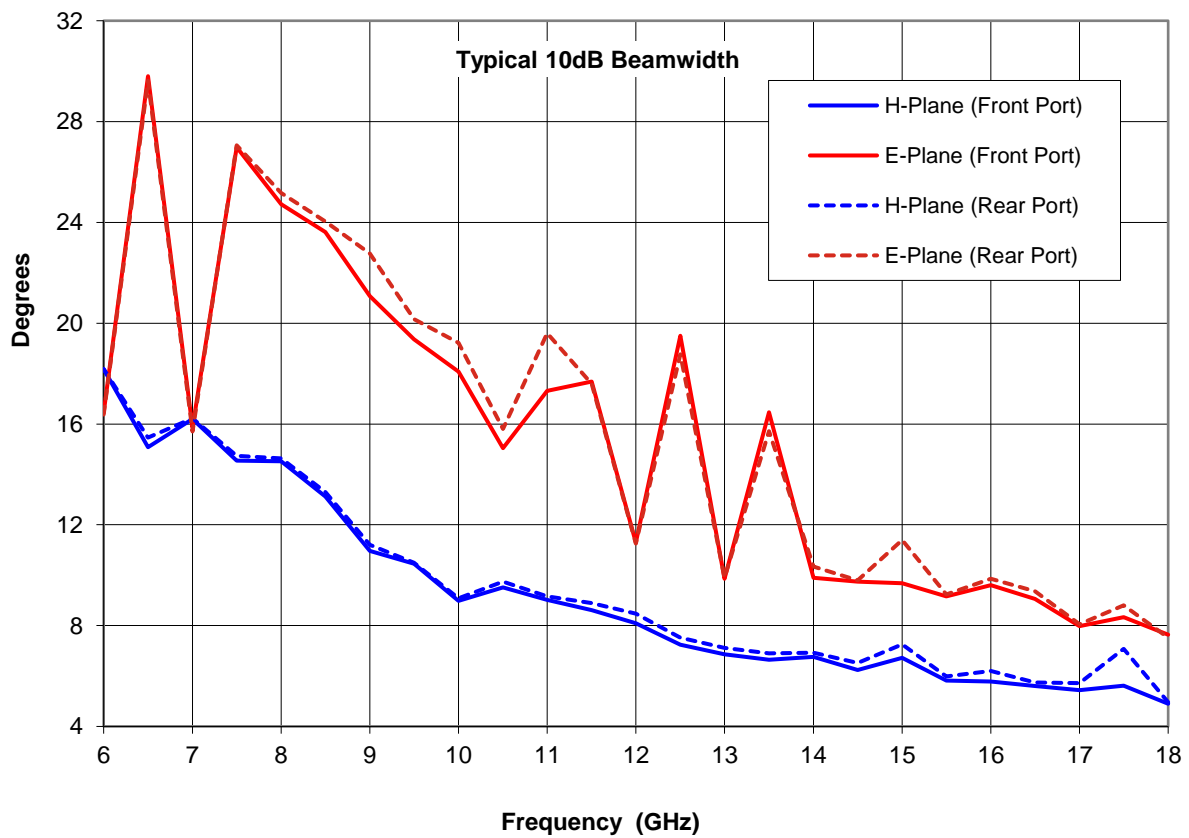
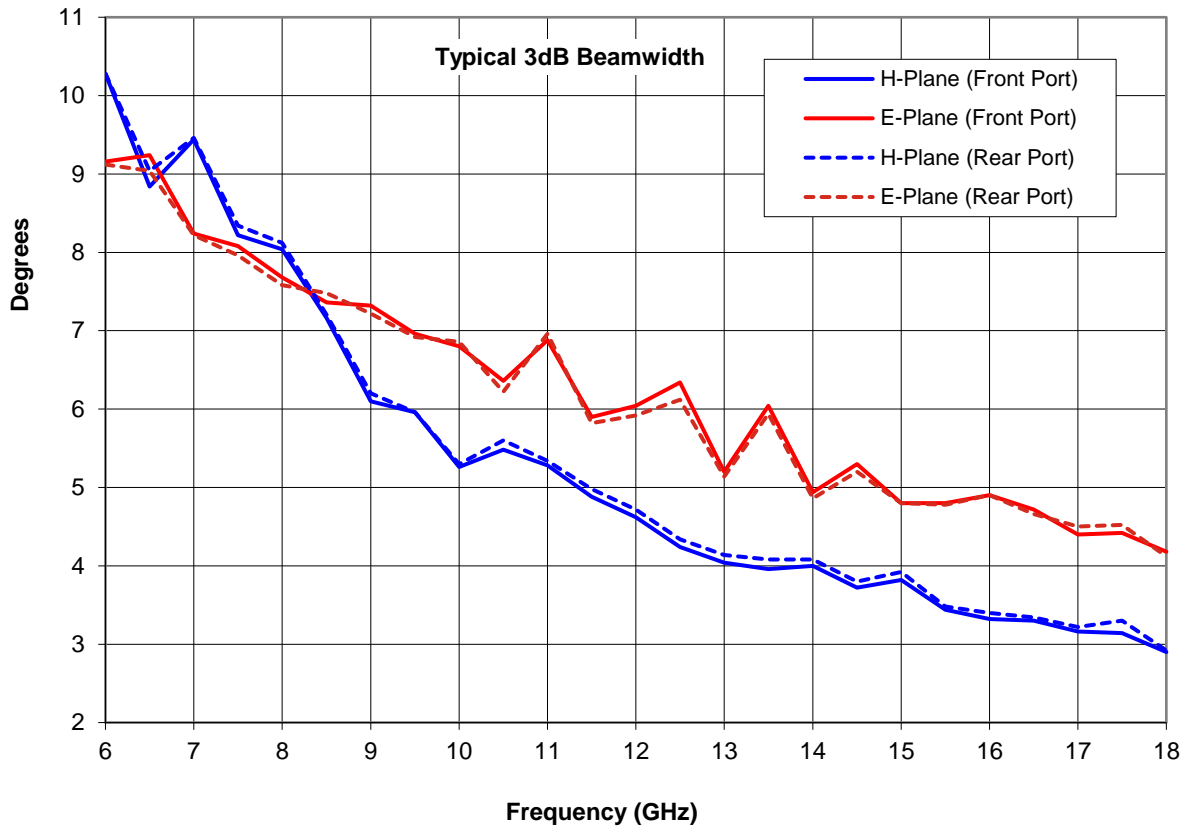
Frequency	6.5 to 18 GHz
Connector Type	2 x SMA Female
Power Handling	40 Watt c.w.
VSWR	Typically < 2.5:1
Gain	22.7 to 29.1 dBi
Antenna Factor	22.8 to 27.9 dB/m
3dB Beamwidth	3 to 10 degrees
10dB Beamwidth	5 to 30 degrees
Weight	2.1 kg nominal
Maximum Size	Reflector diameter 375 mm maximum
Mounting	8 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.

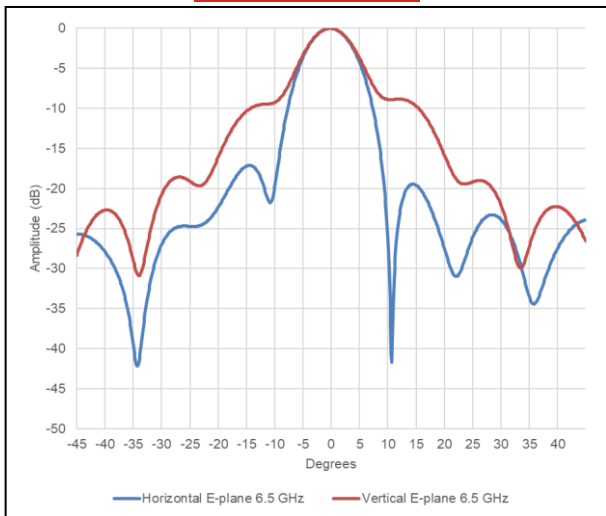


Typical Beamwidth

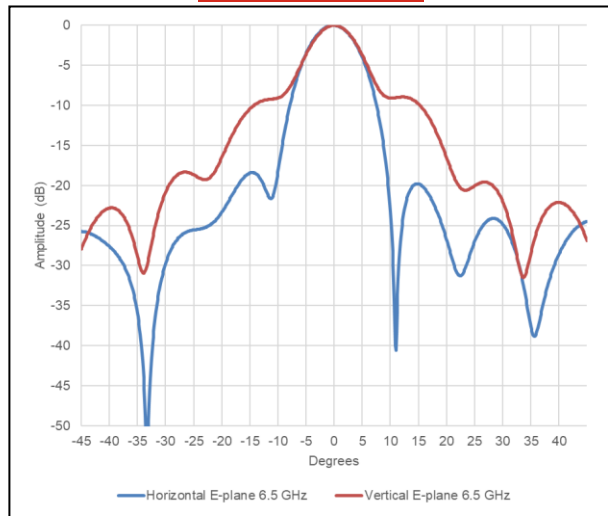


Typical Radiation Patterns

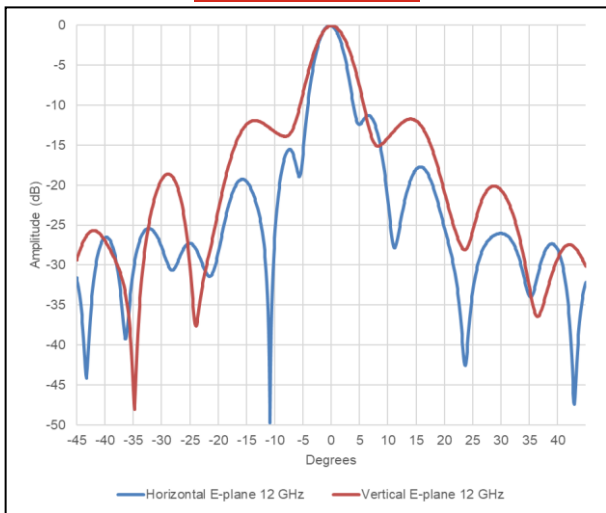
6.5 GHz (Front Port)



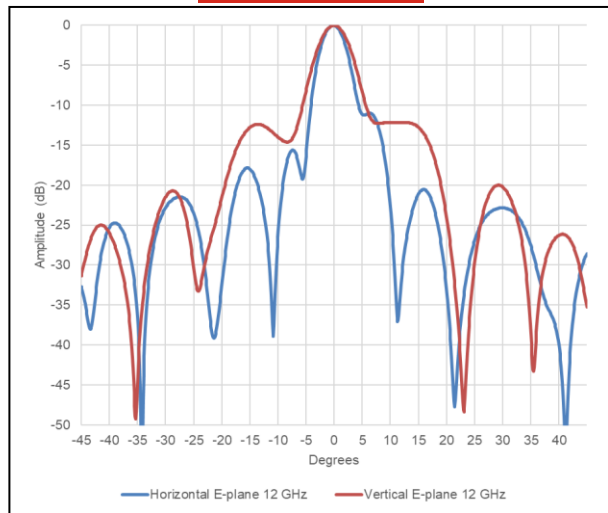
6.5 GHz (Rear Port)



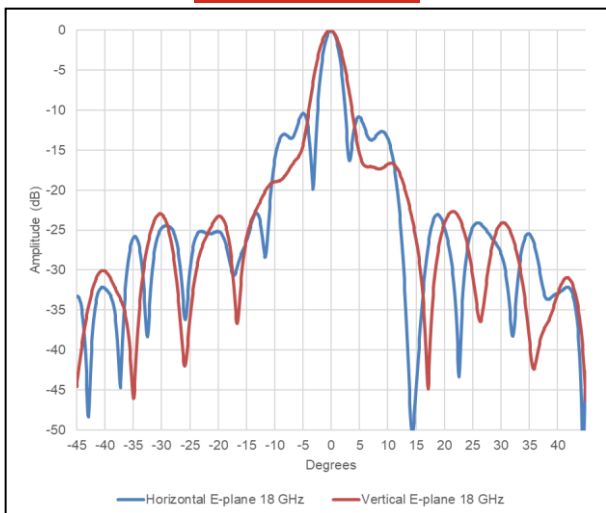
12 GHz (Front Port)



12 GHz (Rear Port)



18 GHz (Front Port)



18 GHz (Rear Port)

