

0.6 m Aluminium Reflector & 18 - 26 GHz Feed fitted with Waveguide Flange and a Radome

Catalogue number **QSR-600-A-228 & QSF-SL-18-26-F-R**

Steatite reference **QMS-01017**

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

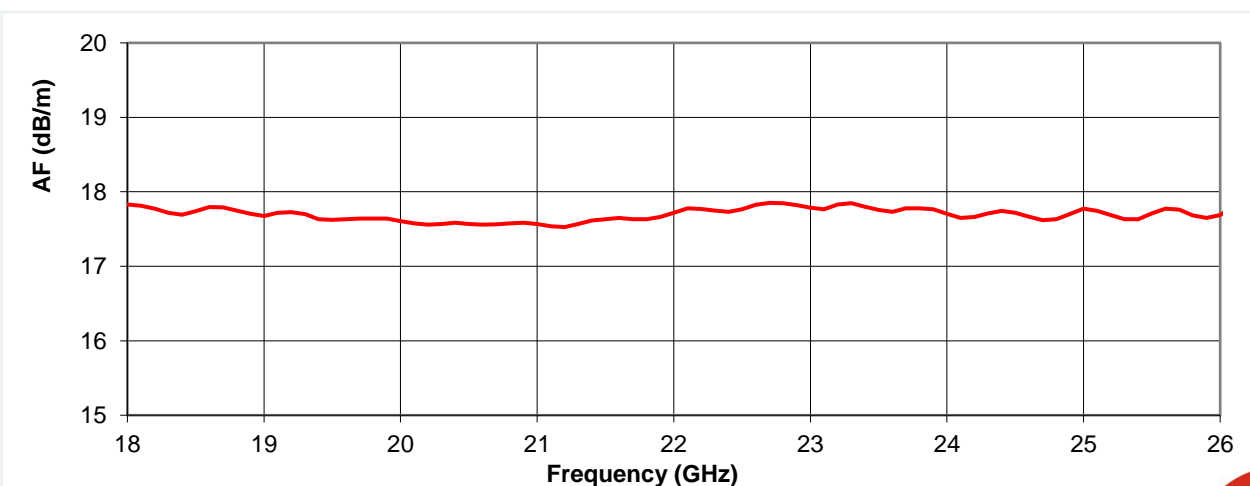
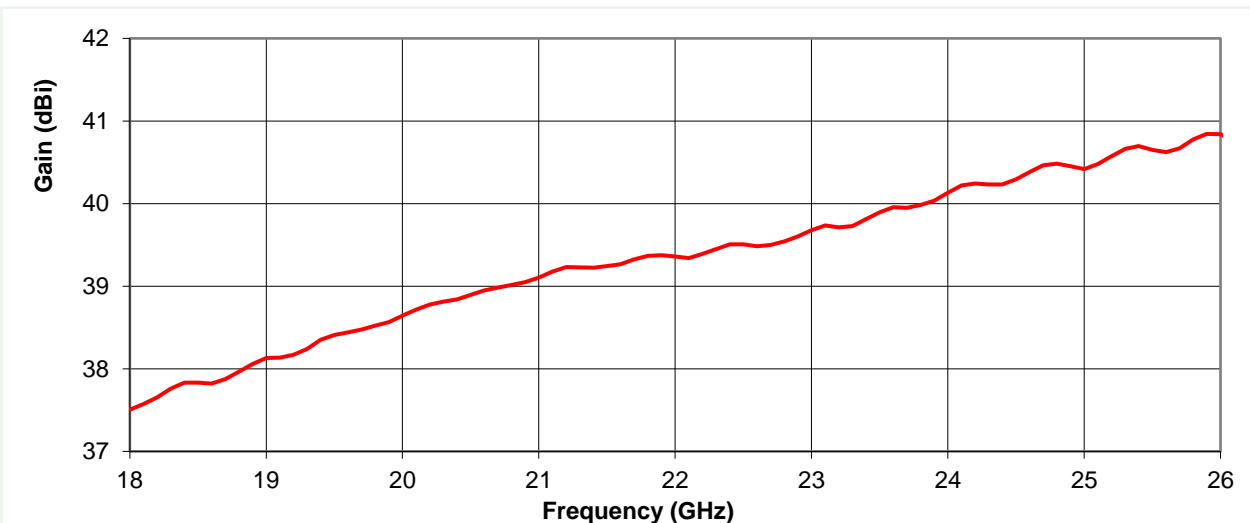


Typical Specification

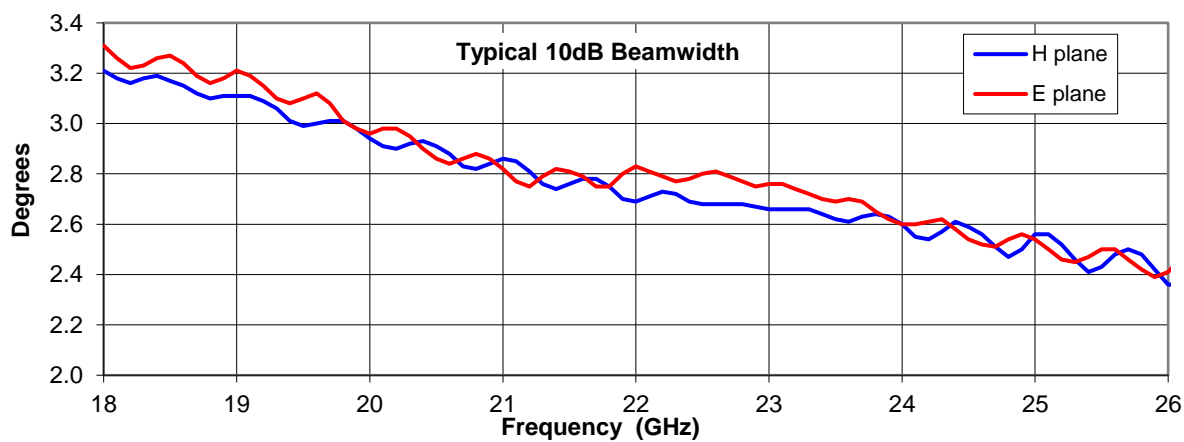
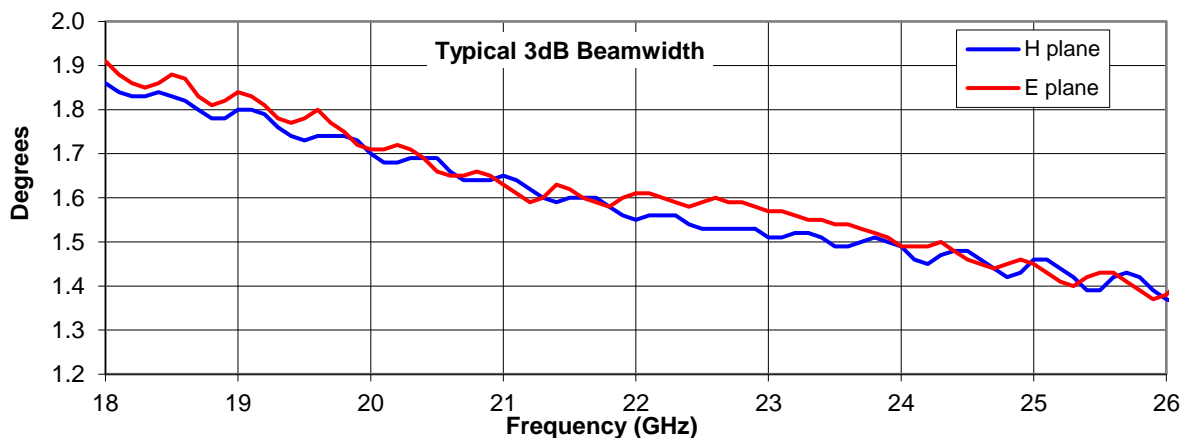
Frequency	18 to 26 GHz
Connector Type	WG20 / WR42 Waveguide Flange
Power Handling	600W CW
VSWR	Typically <1.8:1
Gain	37.5 to 39.5 dBi
Antenna Factor	17.5 to 17.8 dB/m
3dB Beamwidth	1.5 to 1.9 degrees
10dB Beamwidth	2.7 to 3.3 degrees
Weight	4.2 kg nominal
Maximum Size	Reflector diameter 630 mm
Mounting	8 holes, tapped M6, 125 mm pitch circle diameter
Construction	Aluminium reflector, powdercoat finish. Copper and aluminium feed, painted. Plastic composite radome. Stainless steel fixings.

Typical Antenna Gain / Factor

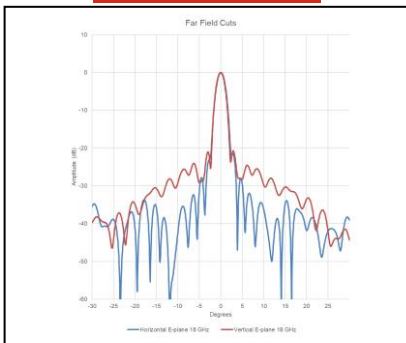
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



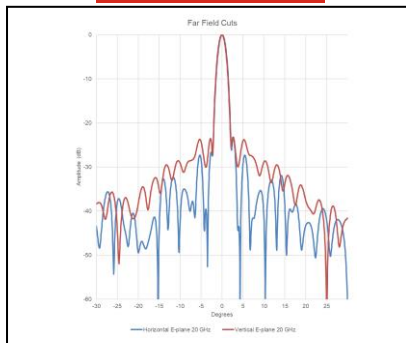
Typical Beamwidth



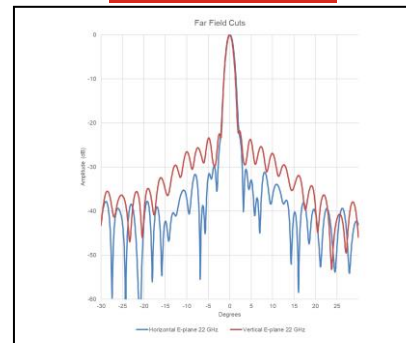
18 GHz



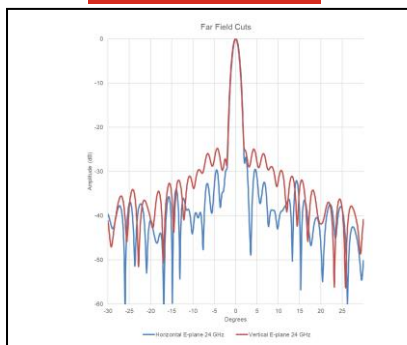
20 GHz



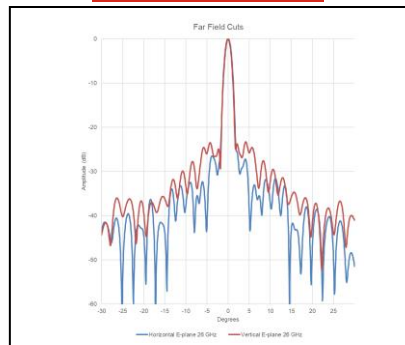
22 GHz



24 GHz



26 GHz



Blue Trace = E-plane, Red trace = H-plane cut

