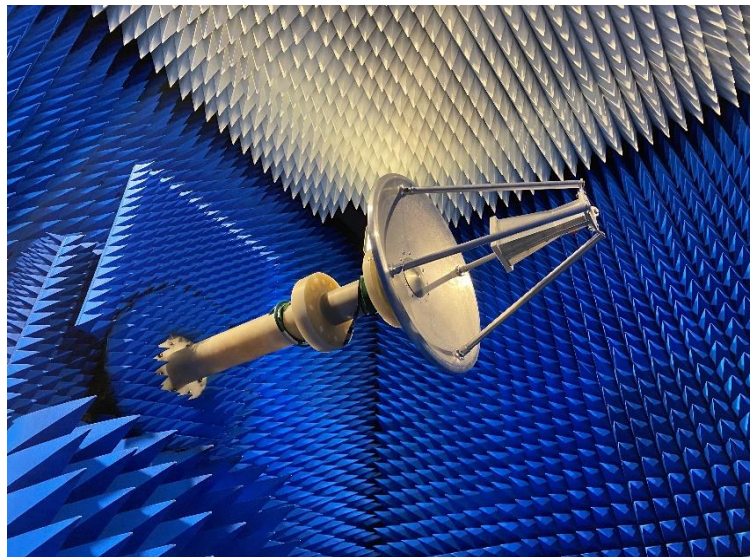


# 0.45 m Aluminium Reflector & 2 - 8 GHz Single Linear Wideband Reflector Feed fitted with a N type Connectors and a Radome.

Catalogue number **QSR-450-A-228 & QWF-SL-2-8-N-R**

Steatite reference **QMS-01012**

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



QQD06-2 V7.3

PDM 08/10/2020 7468

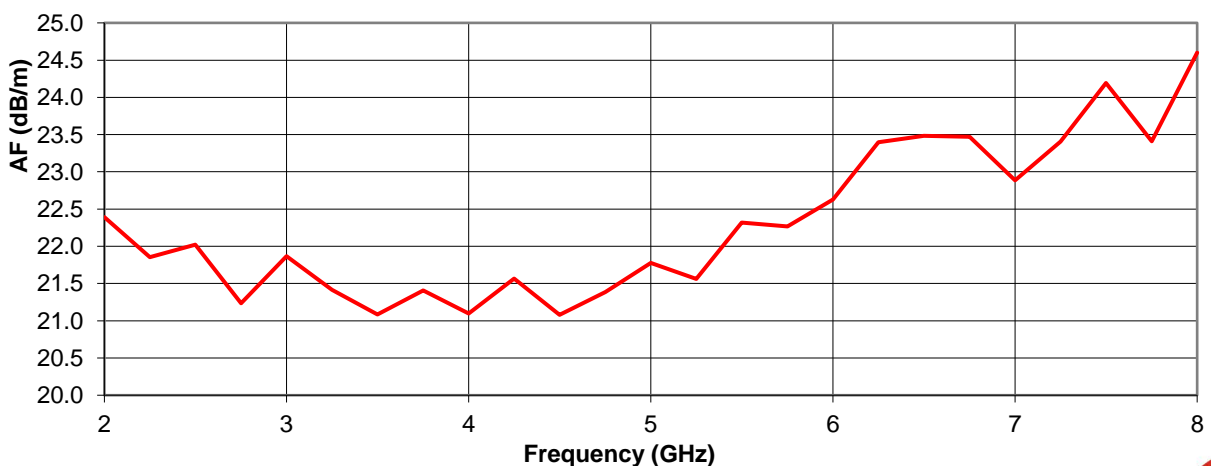
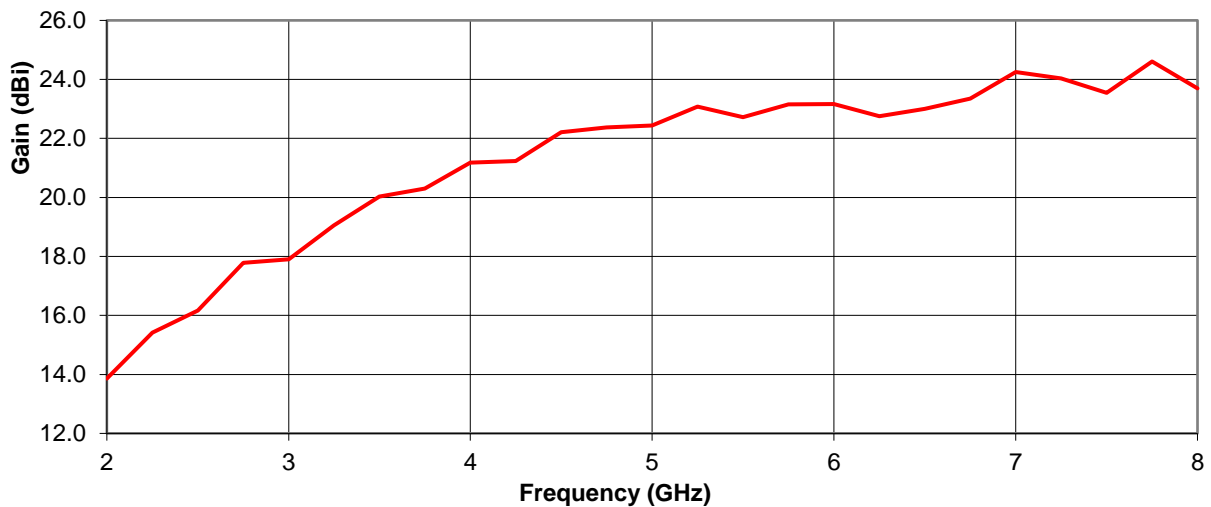


## Typical Specification

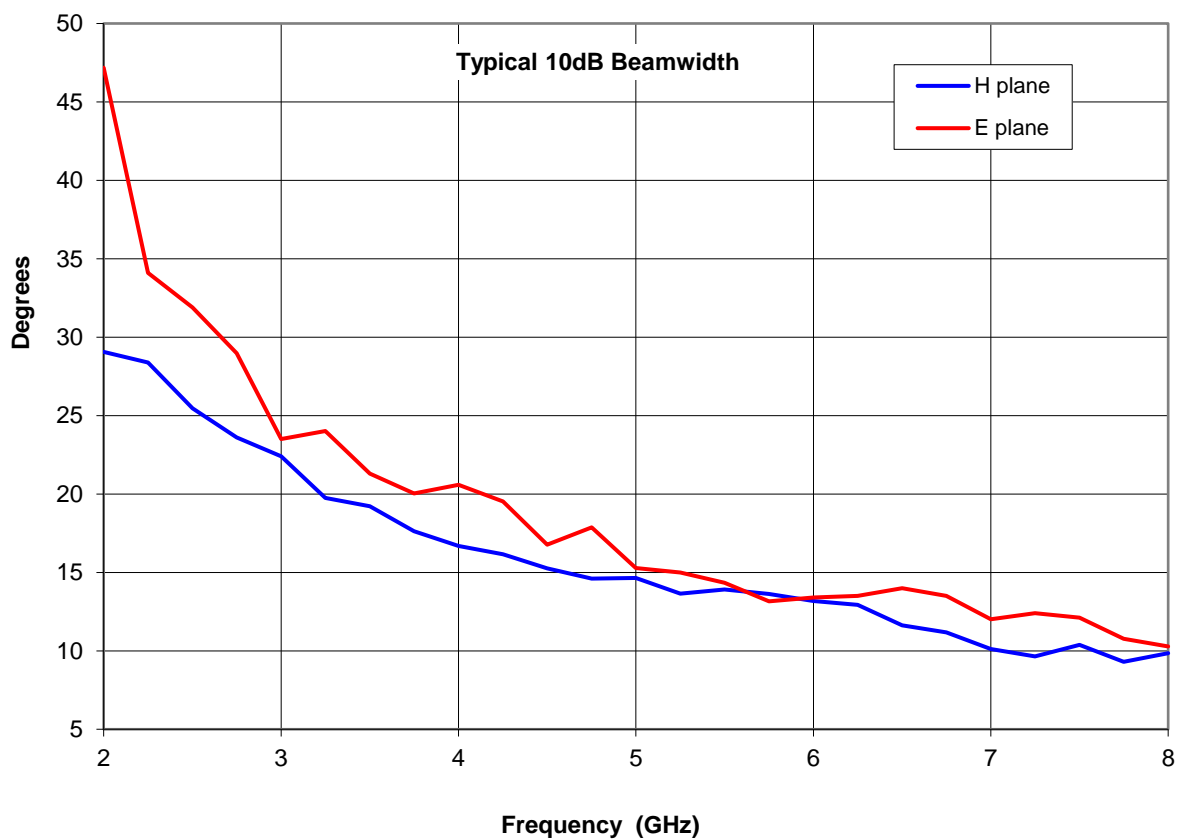
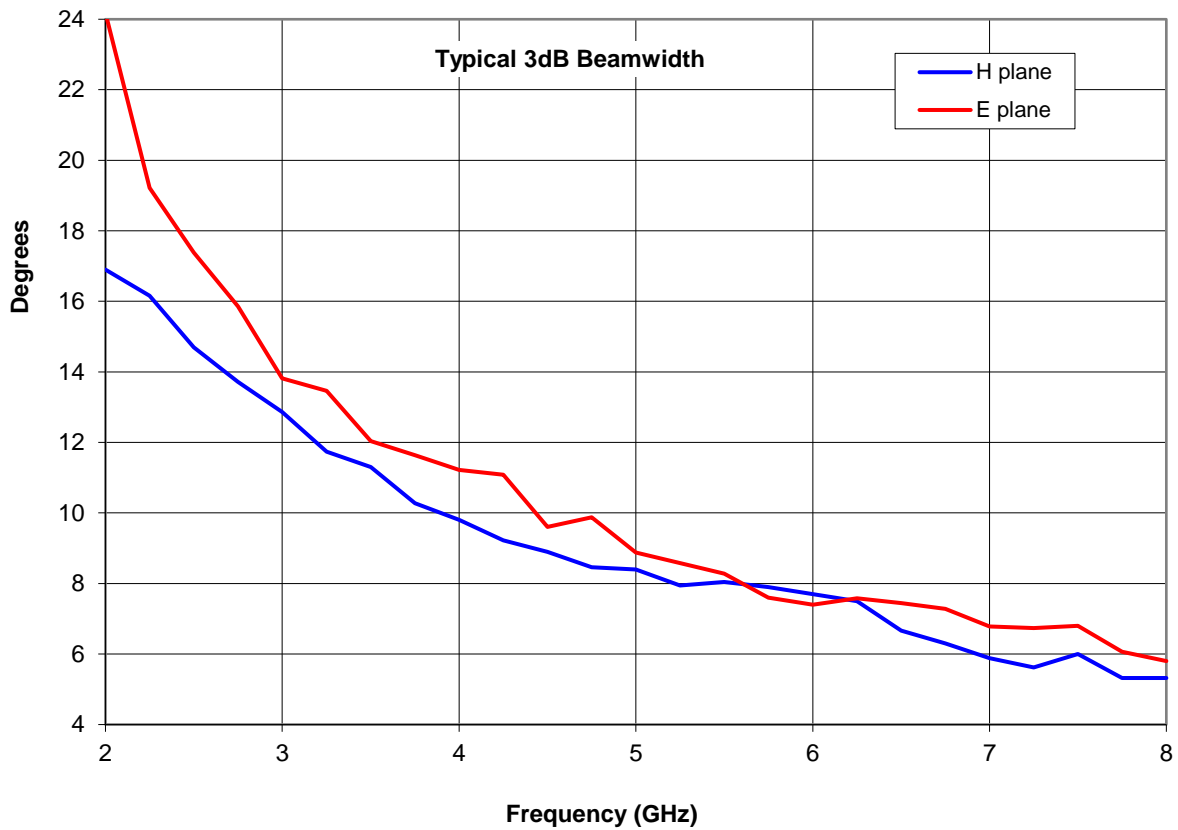
<b>Frequency</b>	2 to 8 GHz
<b>Connector Type</b>	N-Type Female
<b>Power Handling</b>	250W CW (Ambient Temperature and Sea Level)
<b>VSWR</b>	Typically < 2.3:1
<b>Gain</b>	13.9 to 24.6 dBi
<b>Antenna Factor</b>	21.1 to 24.6 dB/m
<b>3dB Beamwidth</b>	5 to 24 degrees
<b>10dB Beamwidth</b>	9 to 47 degrees
<b>Weight</b>	3.2 kg nominal
<b>Maximum Size</b>	Maximum Reflector diameter 483 mm
<b>Mounting</b>	8 holes, tapped M6, 125 mm pitch circular diameter
<b>Construction</b>	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.

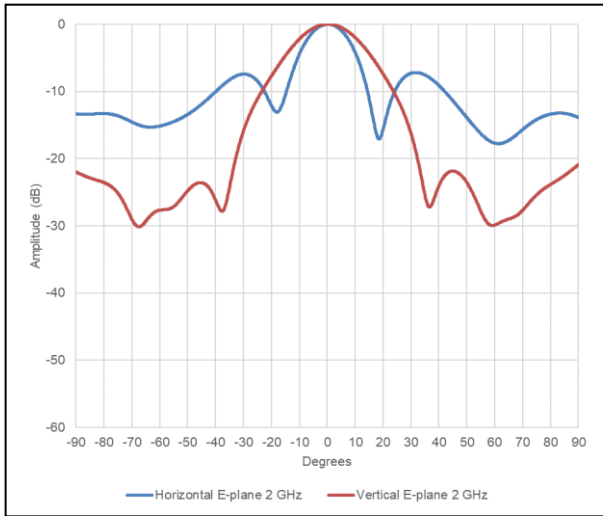


## Typical Beamwidth

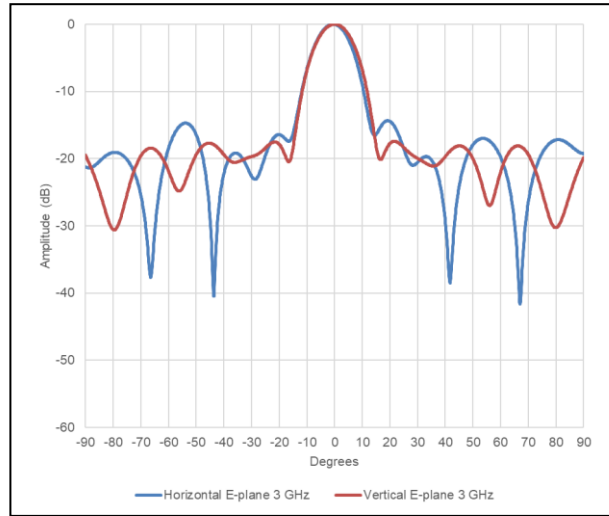


## Typical Radiation Patterns

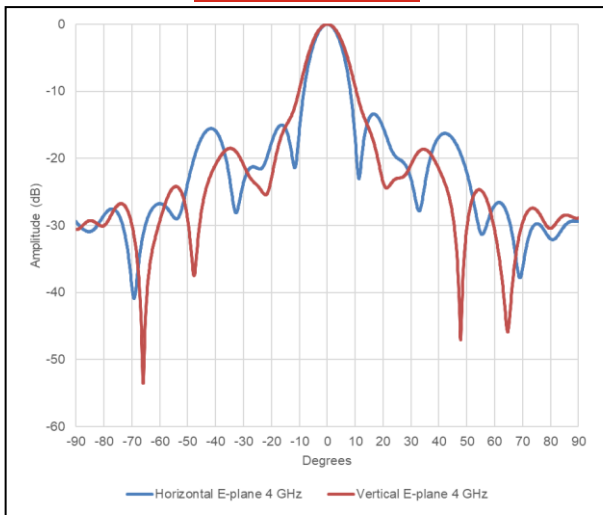
### 2 GHz



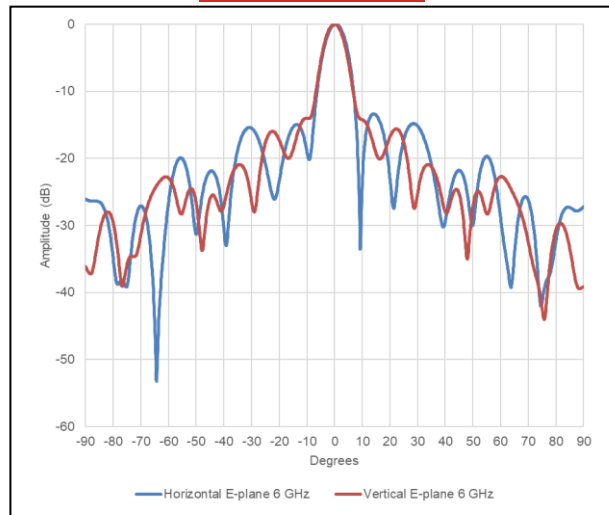
### 3 GHz



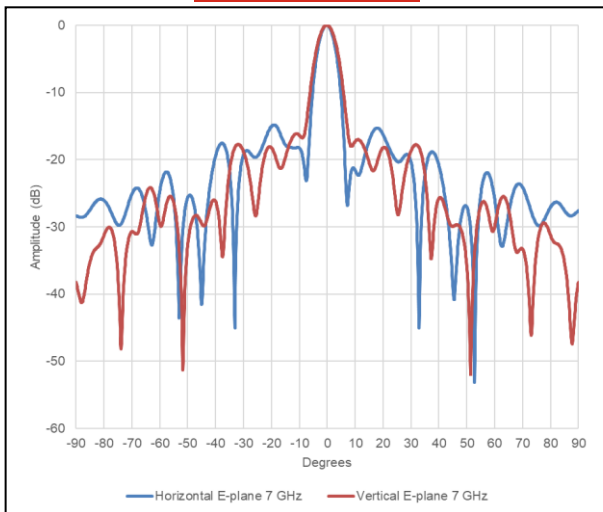
### 4 GHz



### 6 GHz



### 7 GHz



### 8 GHz

