

# 1.2 m Aluminium Reflector & 18 - 40 GHz Wideband Feed fitted with a K type Connector and Radome

Catalogue number **QSR-1200-A-457 & QWF-SL-18-40-K-R**

Steatite reference **QMS-00394**

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QQD06-2 V7.3

PDM 18/10/2019 8509

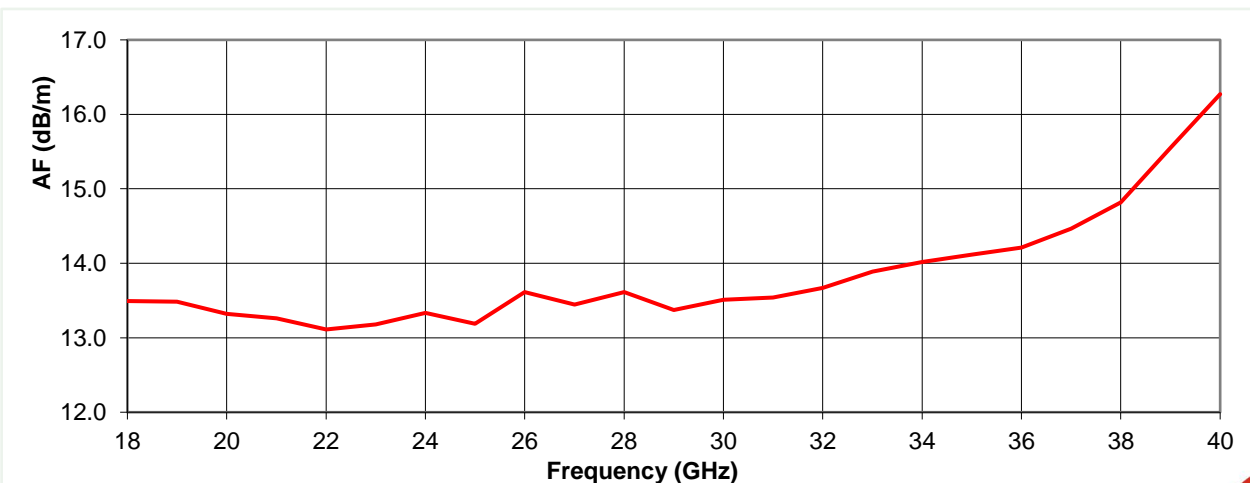
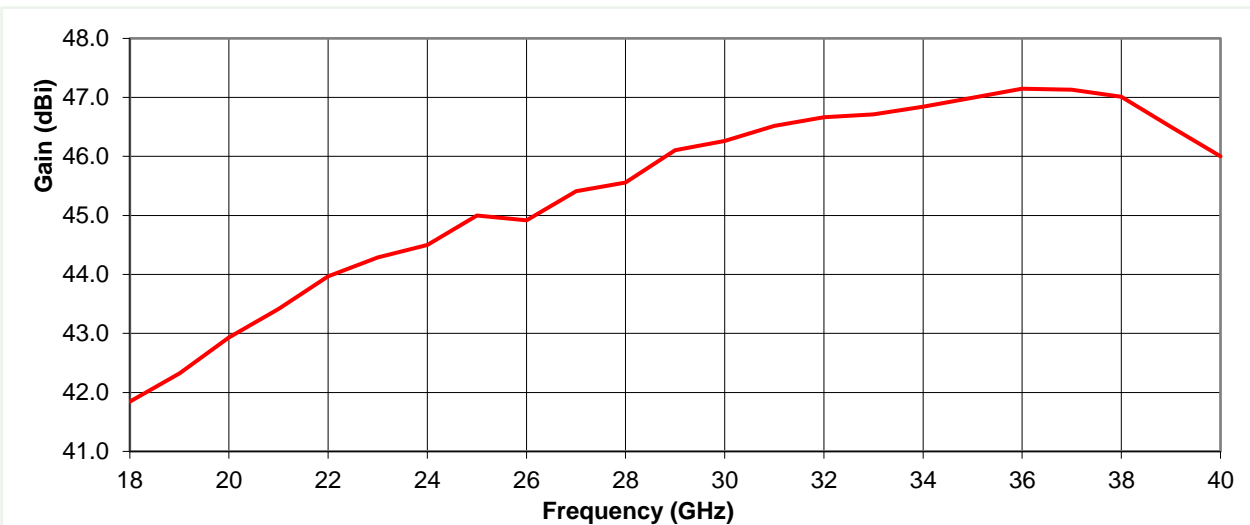


## Typical Specification

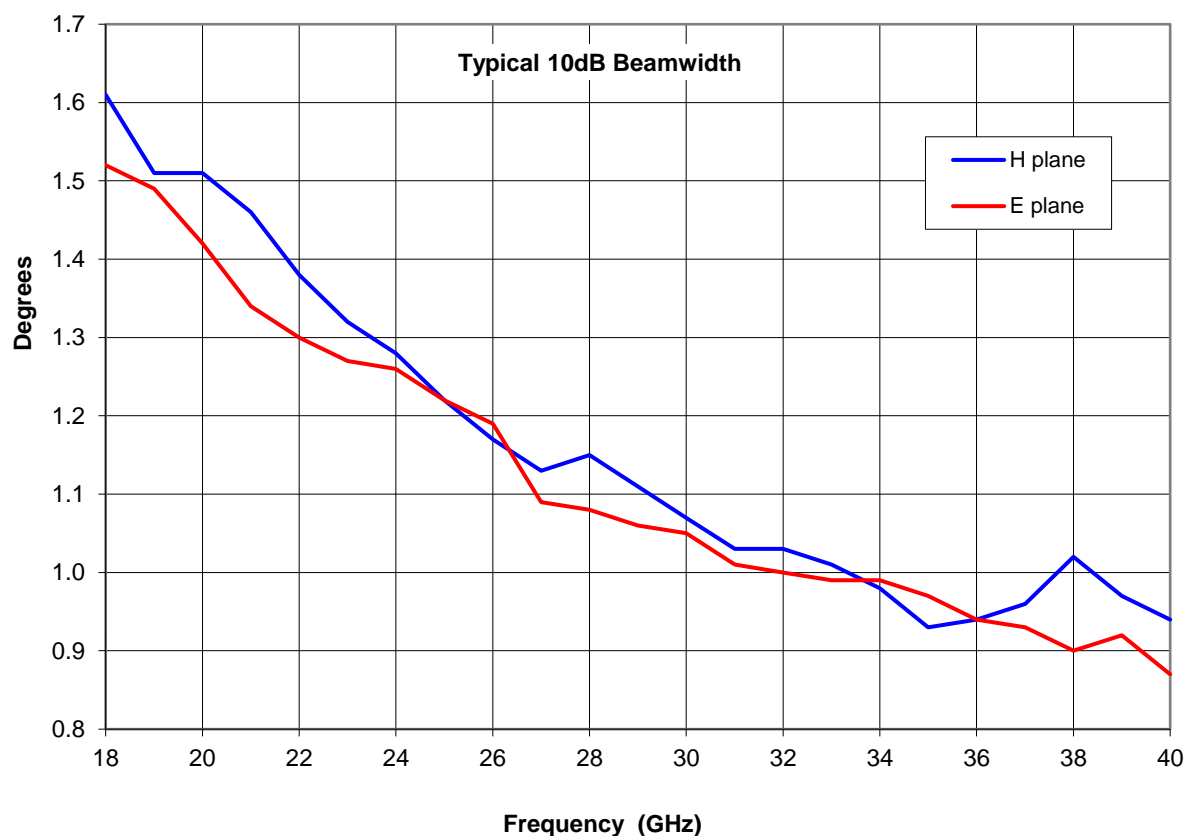
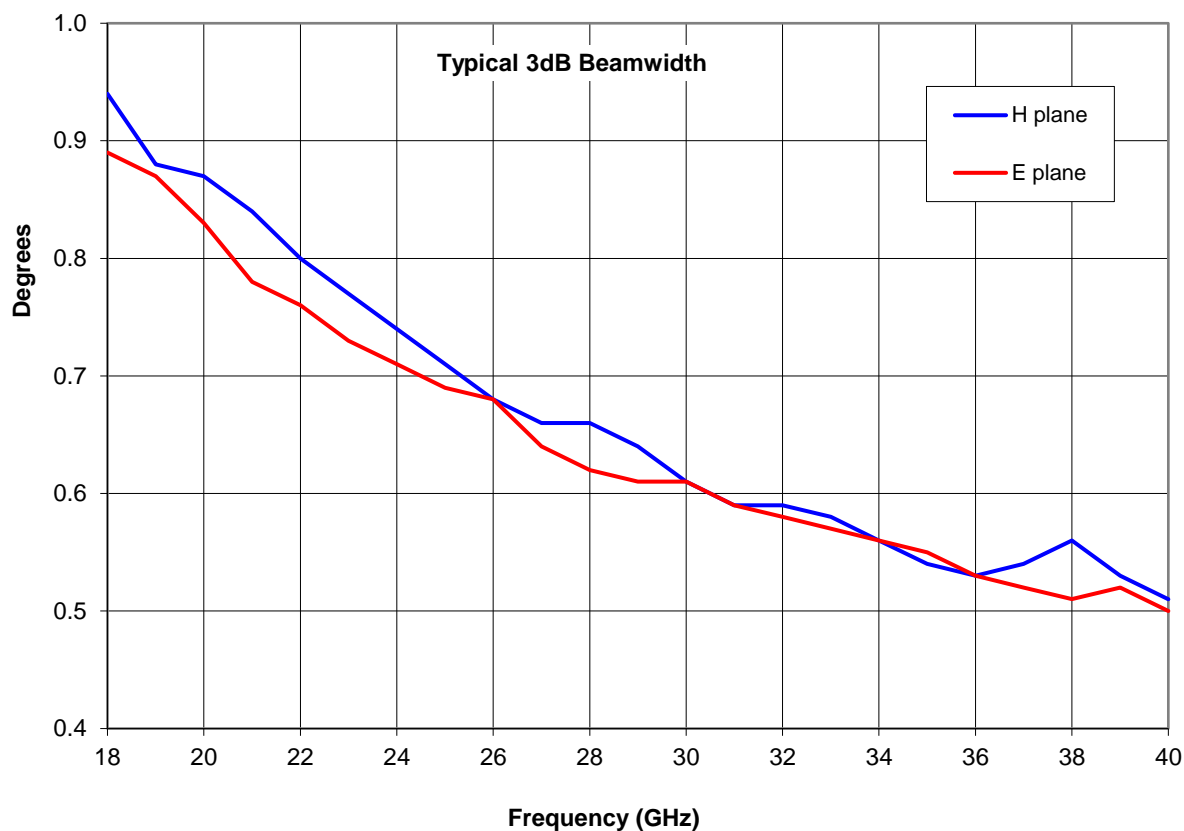
<b>Frequency</b>	18 to 40 GHz
<b>Connector Type</b>	K-type Female
<b>Power Handling</b>	10W Typical
<b>VSWR</b>	Typically < 2.2:1
<b>Gain</b>	41.8 to 47.1 dBi
<b>Antenna Factor</b>	13.1 to 16.3 dB/m
<b>3dB Beamwidth</b>	0.5 to 0.9 degrees
<b>10dB Beamwidth</b>	0.9 to 1.6 degrees
<b>Weight</b>	14 kg nominal
<b>Maximum Size</b>	Reflector diameter 1240 mm
<b>Mounting</b>	8 holes, tapped M6, 125 mm pitch circle diameter
<b>Construction</b>	Aluminium and engineering plastics

## 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.

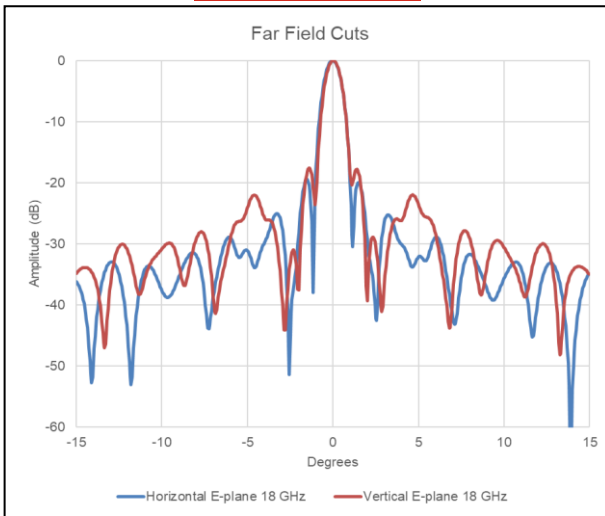


## Typical Beamwidth

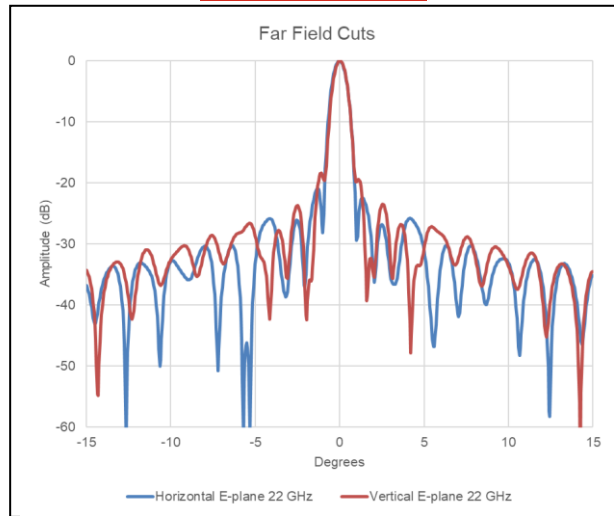


**Typical Radiation Patterns**

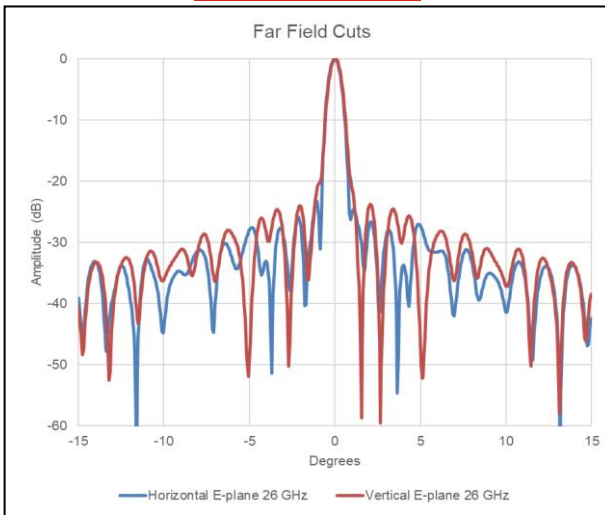
**18 GHz**



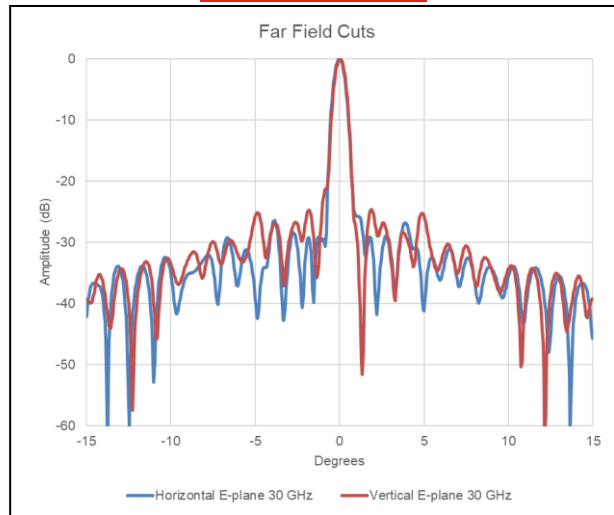
**22 GHz**



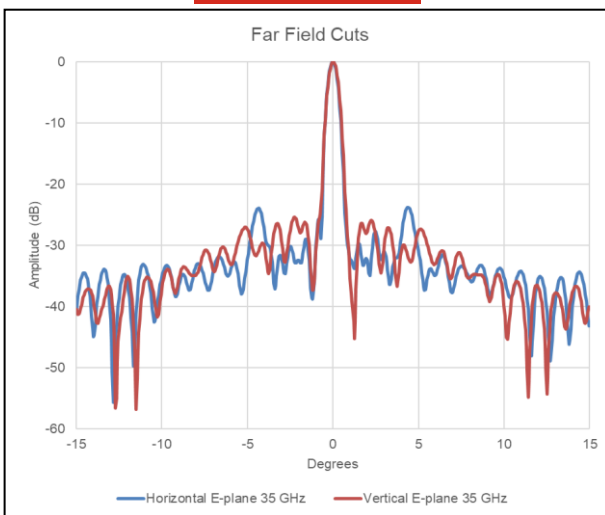
**26 GHz**



**30 GHz**



**35 GHz**



**40 GHz**

