

# 1.8 m Transportable Aluminium Reflector & 6.5 - 18GHz Single Linear Wideband Reflector Feed fitted with N type Connector and a Radome

Catalogue number **QSR-1800-T4A-755 & QWF-SL-6.5-18-N-R**

Steatite reference **QMS-00977**

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

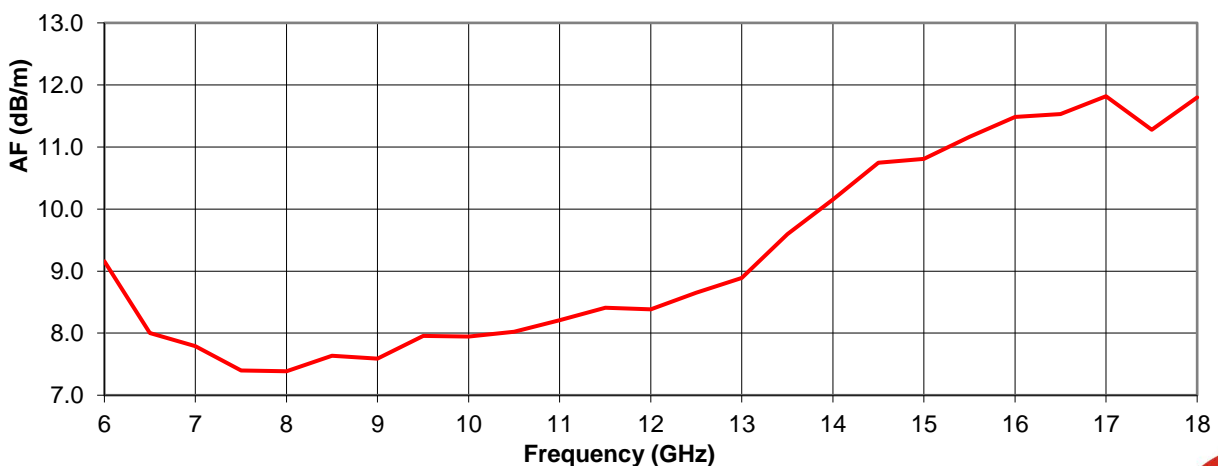
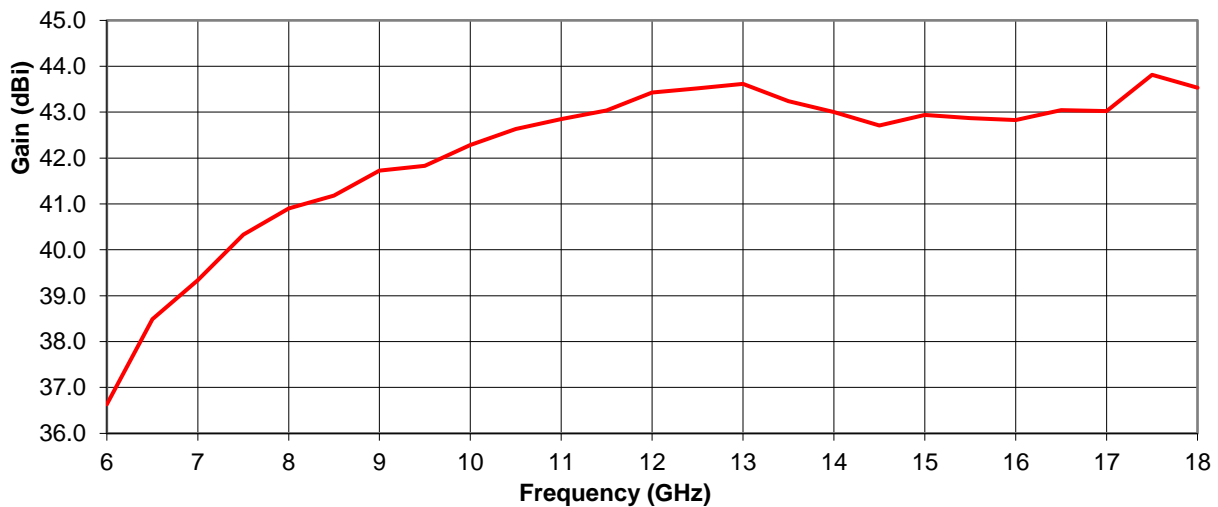


## Typical Specification

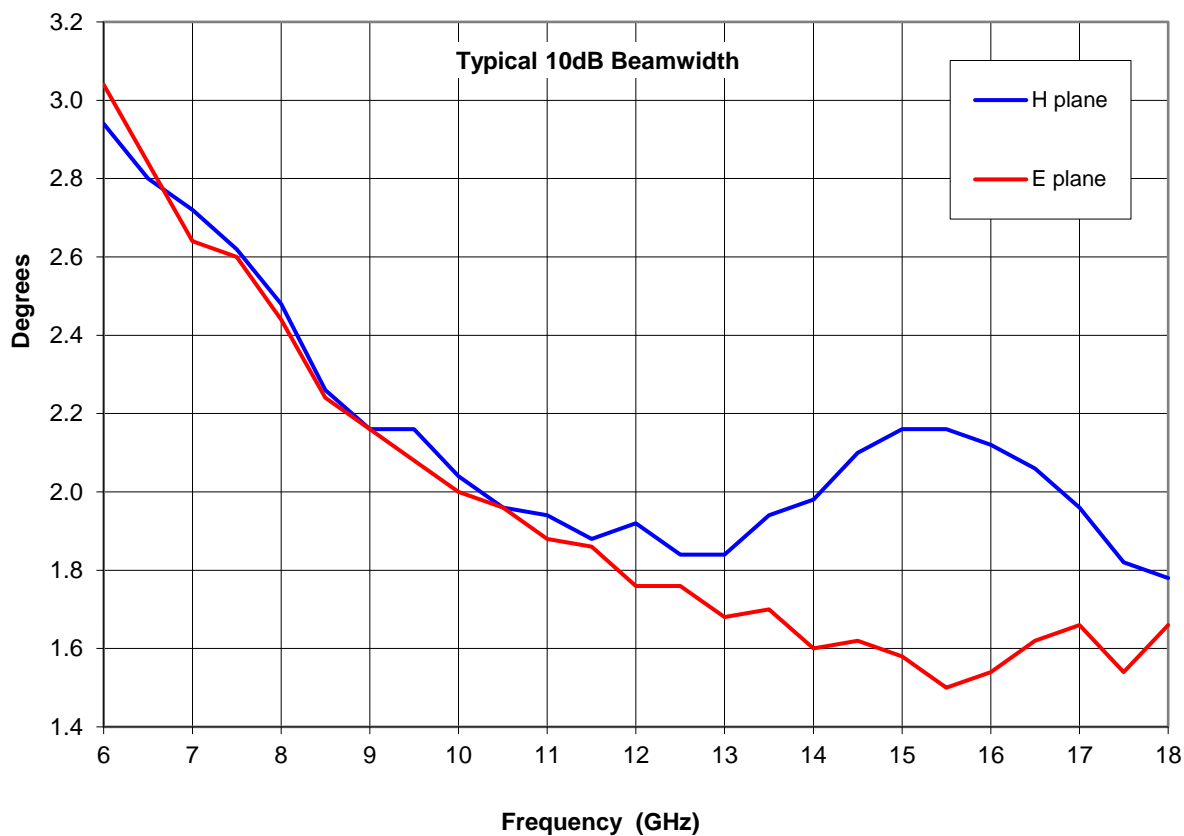
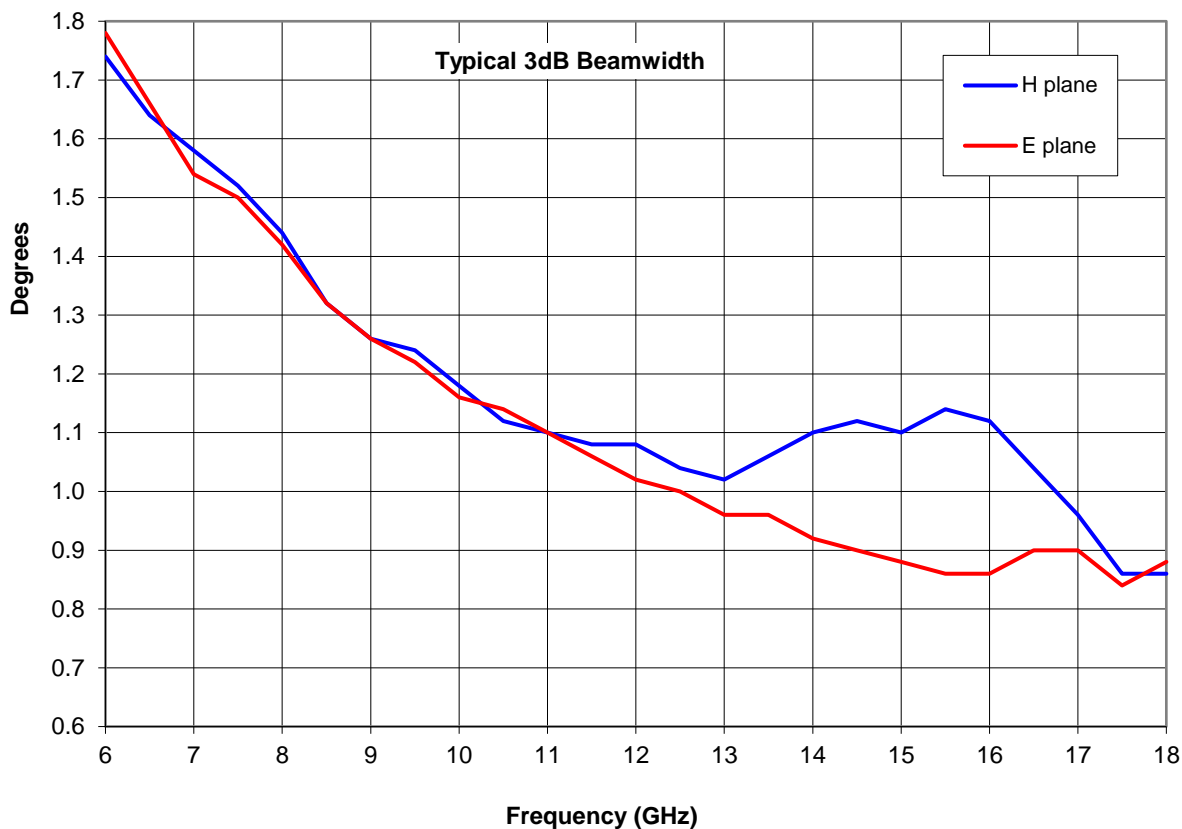
|                       |   |
|-----------------------|---|
| <b>Frequency</b>      | 6.5 to 18 GHz   |
| <b>Connector Type</b> | N-Type Female   |
| <b>Power Handling</b> | Typically 40W CW  |
| <b>VSWR</b>           | Typically < 2.0:1   |
| <b>Gain</b>           | 36.6 to 43.8 dBi  |
| <b>Antenna Factor</b> | 7.4 to 11.8 dB/m  |
| <b>3dB Beamwidth</b>  | 0.8 to 1.8 degrees  |
| <b>10dB Beamwidth</b> | 1.5 to 3 degrees  |
| <b>Weight</b>         | 37 kg nominal   |
| <b>Maximum Size</b>   | Ø1851 maximum   |
| <b>Mounting</b>       | M6 through holes on a Ø125mm PCD and Ø8.1 through on a Ø170mm PCD |
| <b>Construction</b>   | Aluminium Reflector and Feed with 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.

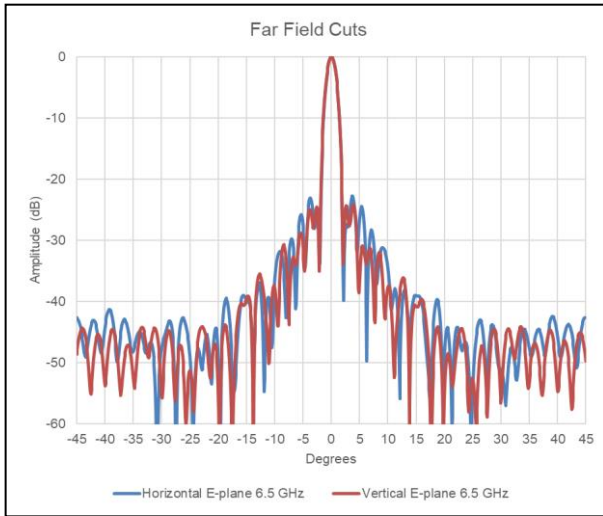


## Typical Beamwidth

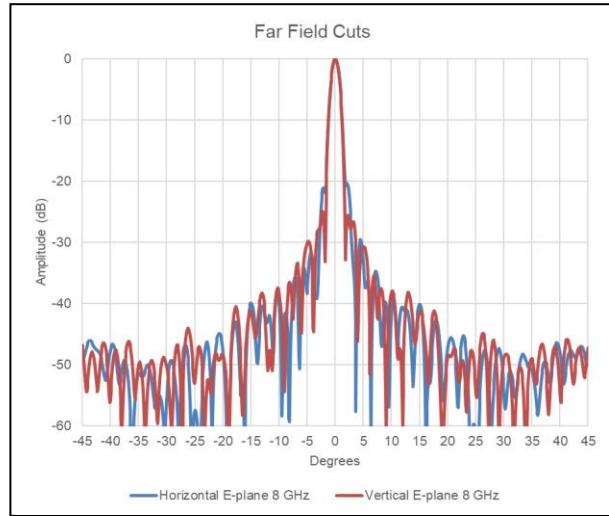


## Typical Radiation Patterns

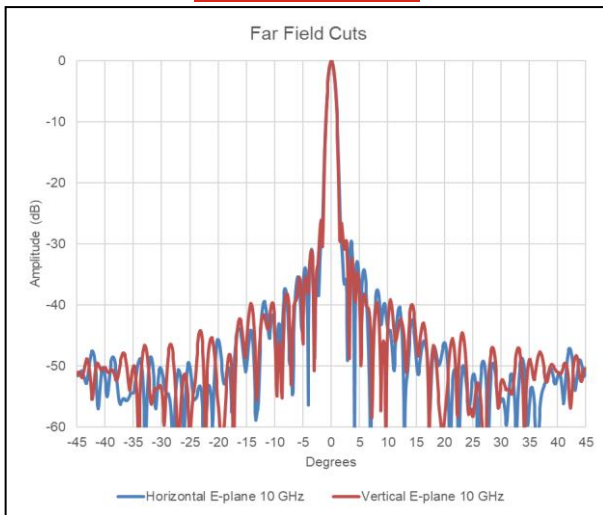
### 6.5 GHz



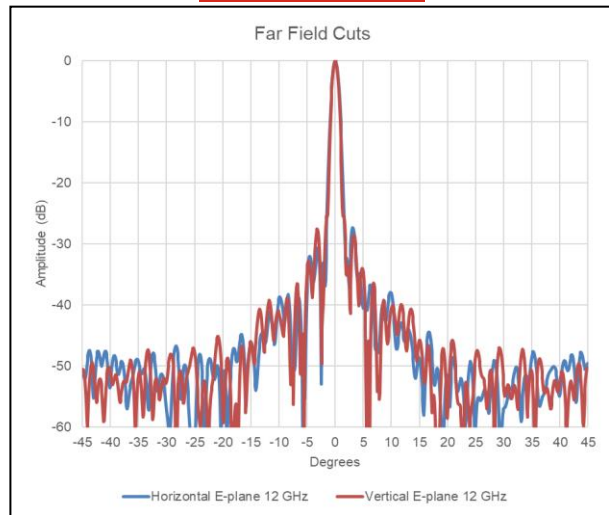
### 8 GHz



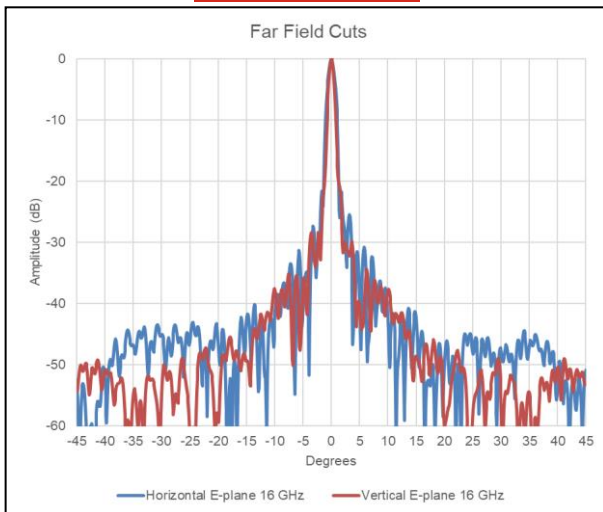
### 10 GHz



### 12 GHz



### 16 GHz



### 18 GHz

