

3.0m Transportable Aluminium Reflector & 0.5 - 2 GHz Wideband Feed fitted with an N type Connector and Radome

Catalogue number **QSR-3000-T2A-1207 & QWF-SL-0.5-2-A-R**

Steatite reference **QMS-00887**

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



(Indicative photograph only)

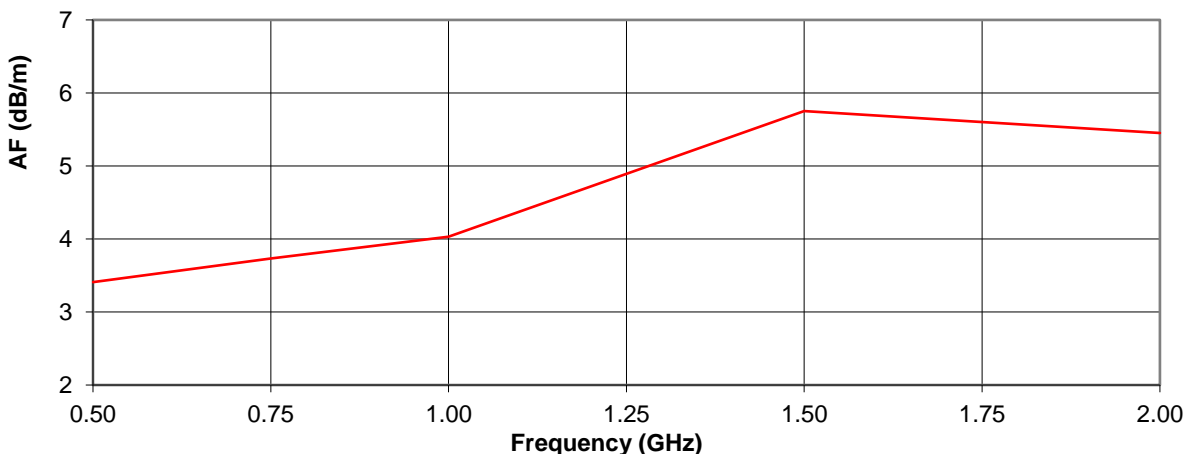
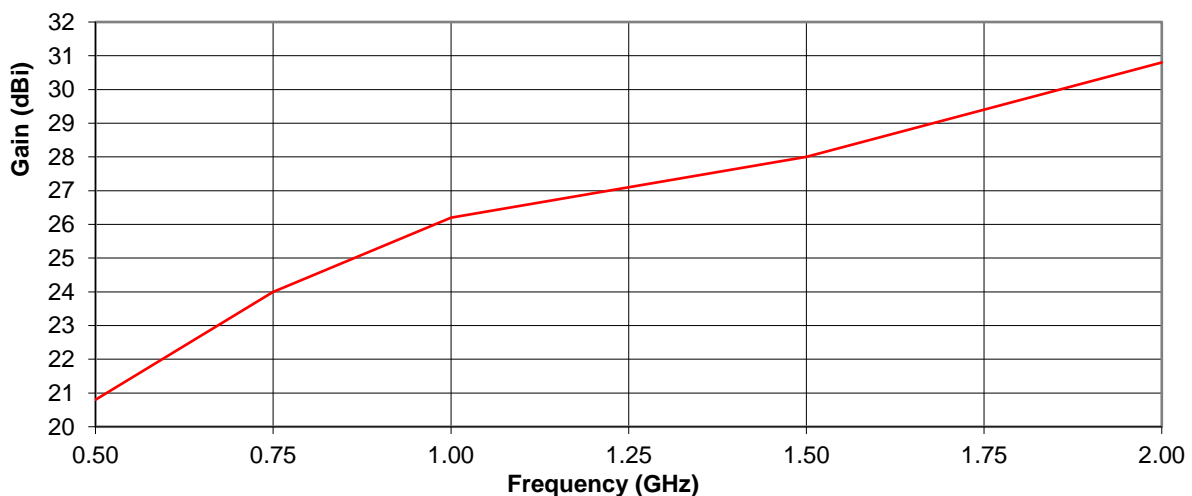


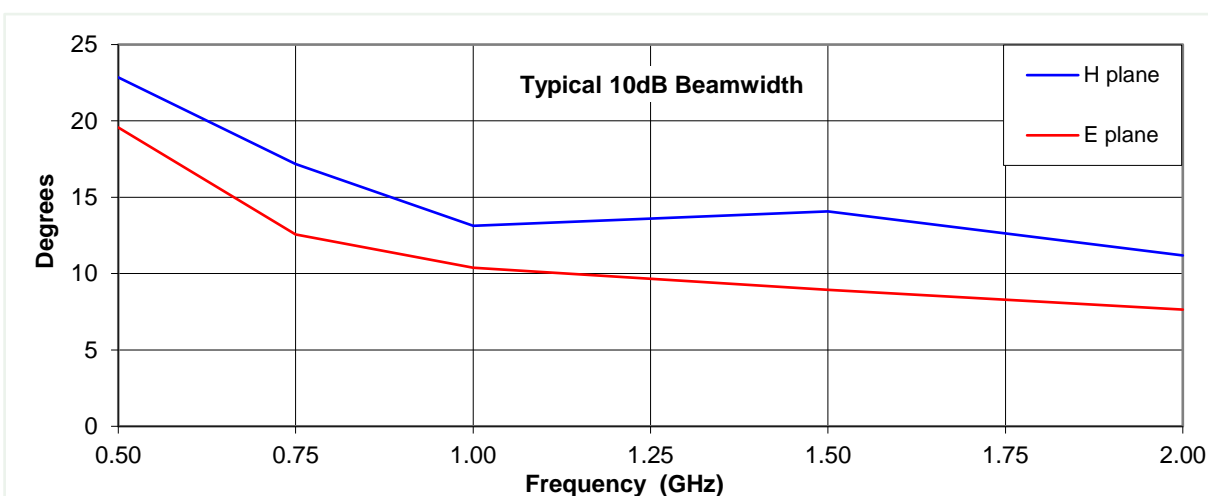
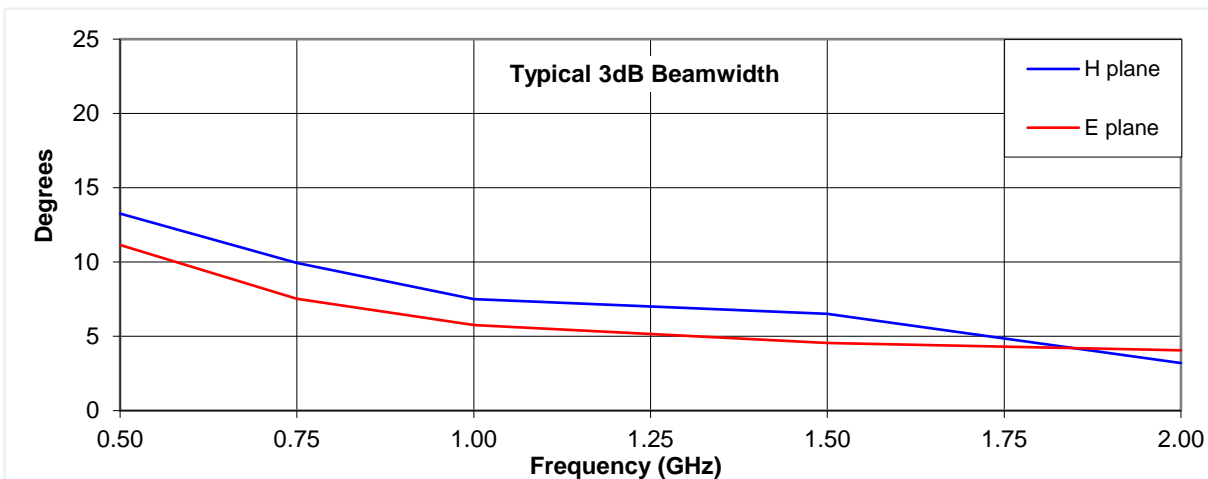
Typical Specification

| | |
|-----------------------|---|
| Frequency | 0.5 to 2 GHz |
| Connector Type | N type jack |
| Power Handling | 500 Watt c.w. |
| VSWR | Typically < 2.0:1 2.6:1 max. |
| Gain | 20.8 to 30.8 dBi |
| Antenna Factor | 3.4 to 5.8 dB/m |
| 3dB Beamwidth | 3 to 13 degrees |
| 10dB Beamwidth | 8 to 23 degrees |
| Weight | 150 kg nominal |
| Maximum Size | Reflector diameter 3135 mm max |
| Mounting | Ø1200mm mounting ring |
| Construction | Spun aluminium reflector with aluminium legs, powdercoat finish. Composite feed, painted. Anodised aluminium polariser. |

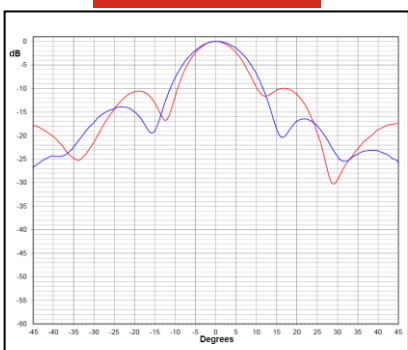
Typical Antenna Gain / Factor

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.

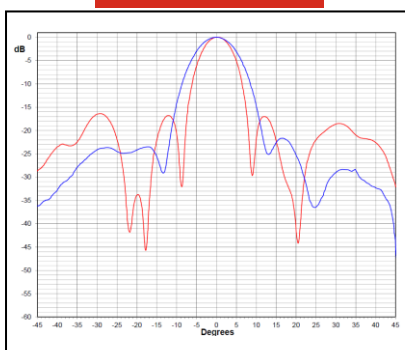




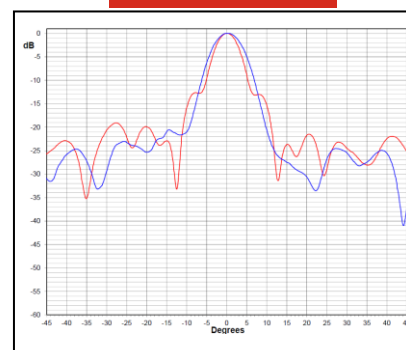
0.5 GHz



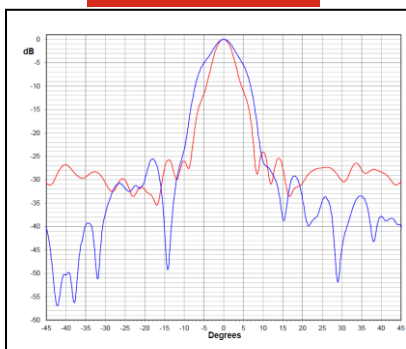
0.75 GHz



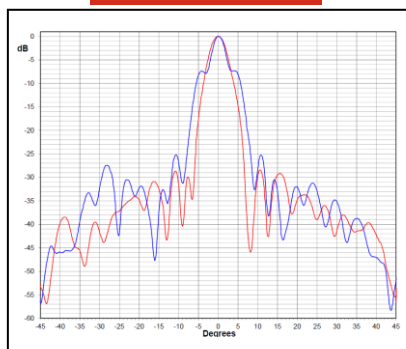
1.0 GHz



1.5 GHz



2.0 GHz



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

