

0.6 - 1.0 GHz Linearly Polarised 10 dBi Horn Antenna fitted with an N type Connector

Catalogue number **QSH-SL-0.6-1-N-10**

Steatite reference **QMS-00066**

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



QQD06-2 V7.3

PDM 04-Apr-18 5352

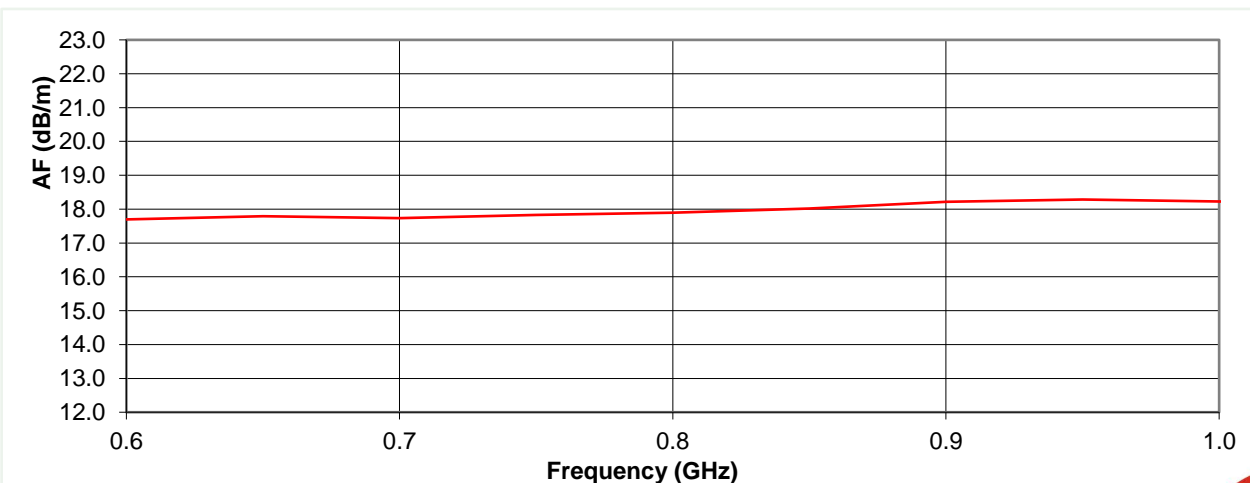
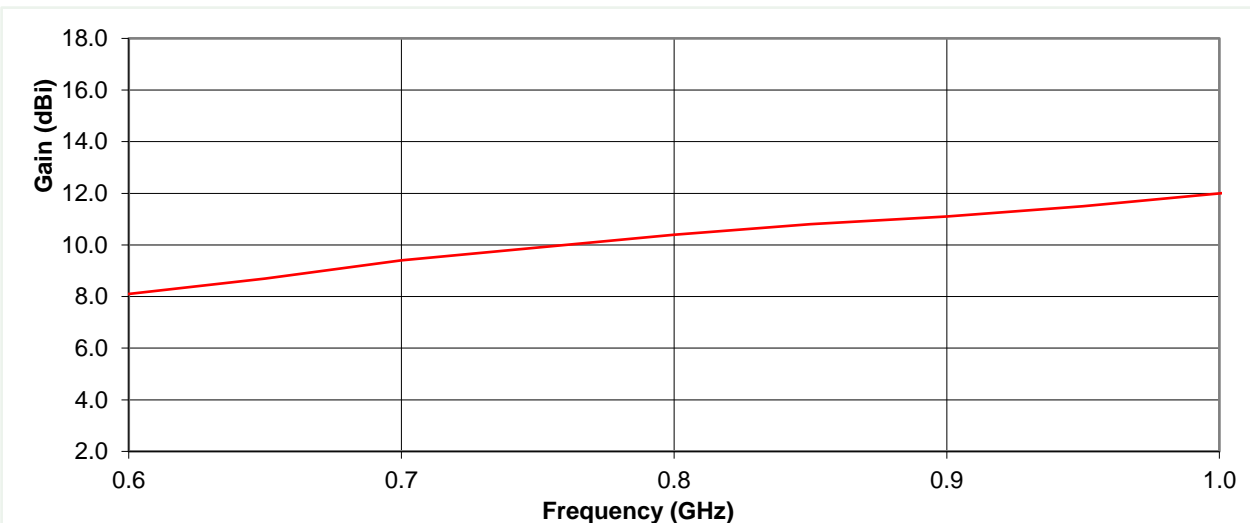


Typical Specification

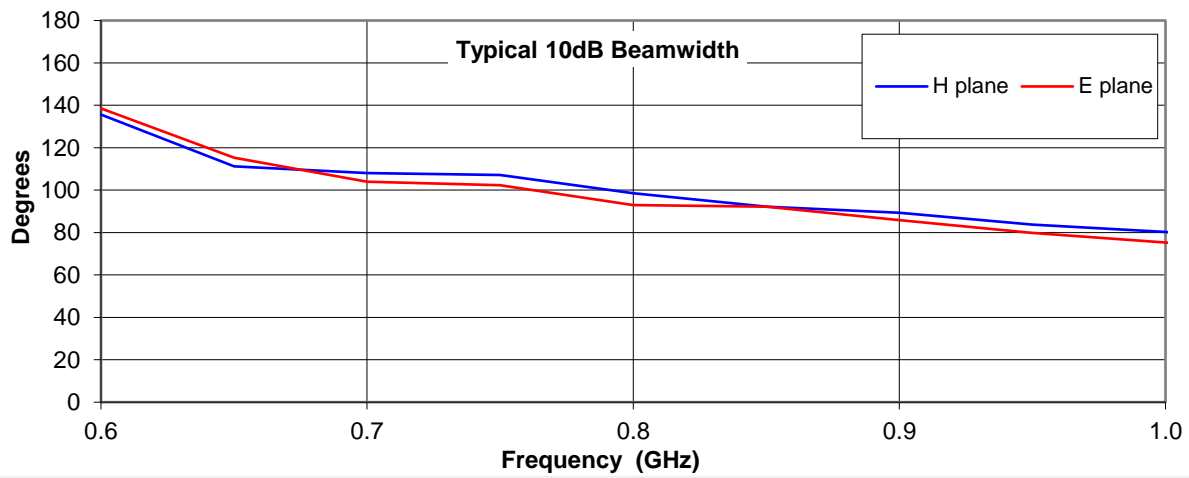
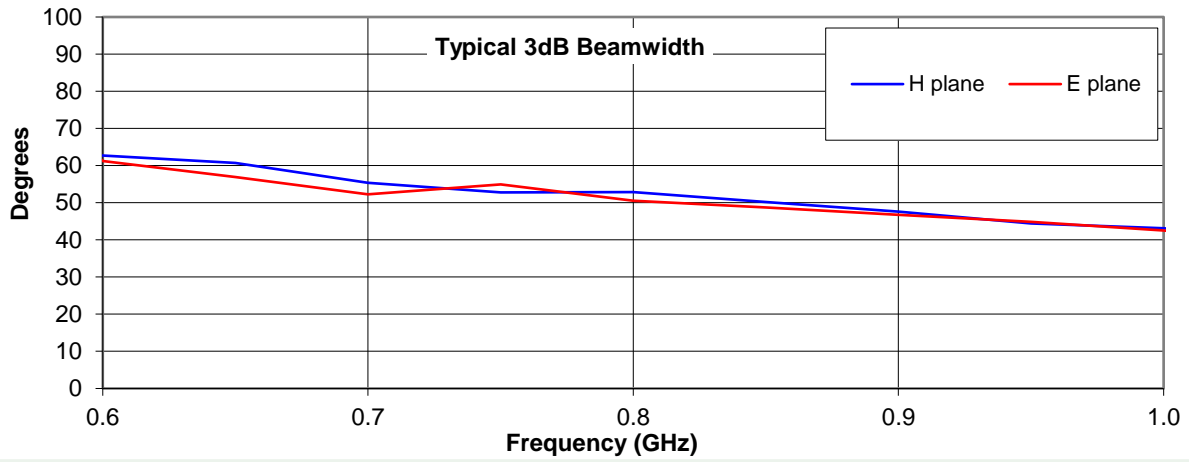
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|-----------------------|---|
| Frequency | 0.6 to 1 GHz |
| Connector Type | N type jack |
| Power Handling | 400 Watt average |
| VSWR | Typically < 1.5:1 |
| Gain | 8.1 to 12 dBi |
| Antenna Factor | 17.7 to 18.3 dB/m |
| 3dB Beamwidth | 43 to 63 degrees |
| 10dB Beamwidth | 75 to 139 degrees |
| Weight | 7.4 kg nominal |
| Maximum Size | 498 mm x 398 mm external aperture x 618 mm long |
| Mounting | See ICD |
| Construction | Welded aluminium, powdercoat finish. |

Typical Antenna Gain / Factor

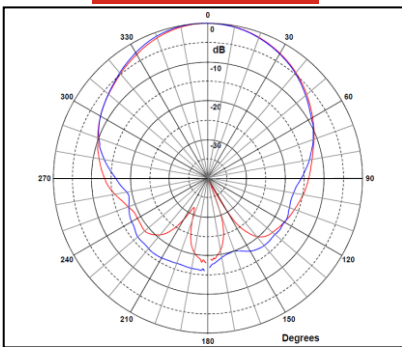
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



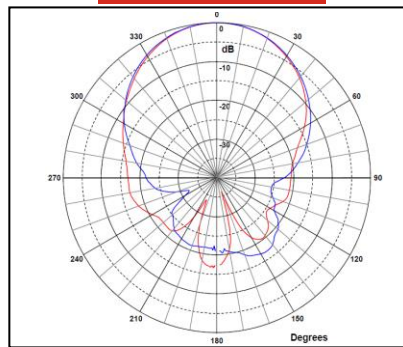
Typical Beamwidth / Radiation Patterns



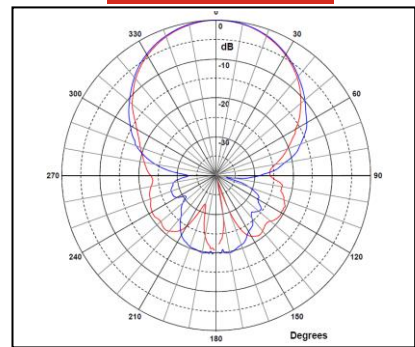
0.6 GHz



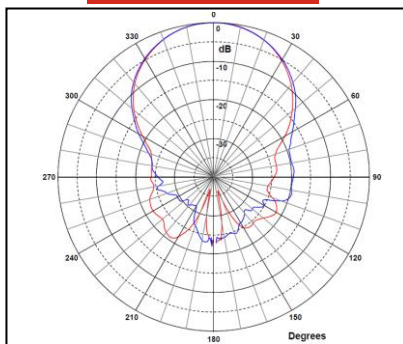
0.7 GHz



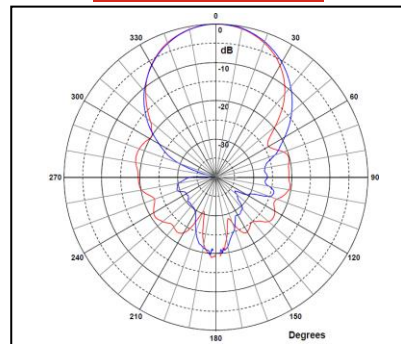
0.8 GHz



0.9 GHz



1.0 GHz



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

