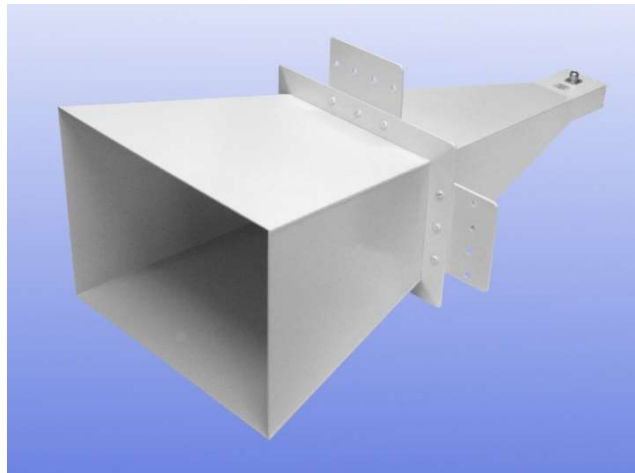


2.2 - 3.3 GHz Linearly Polarised 20 dBi Horn Antenna fitted with an N type Connector

Catalogue number **QSH-SL-2.2-3.3-N-20**

Steatite reference **QMS-00100**

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

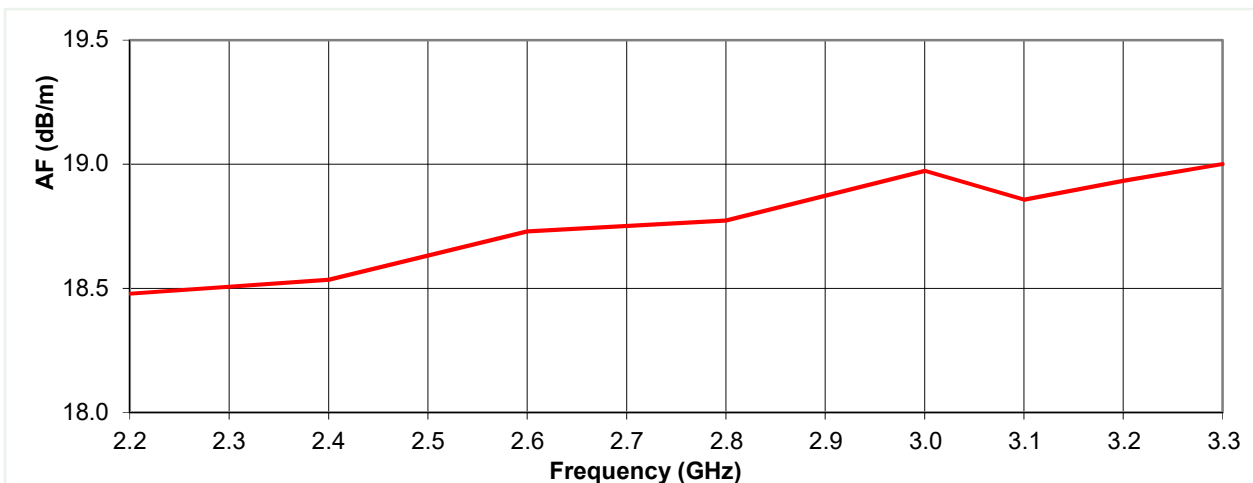
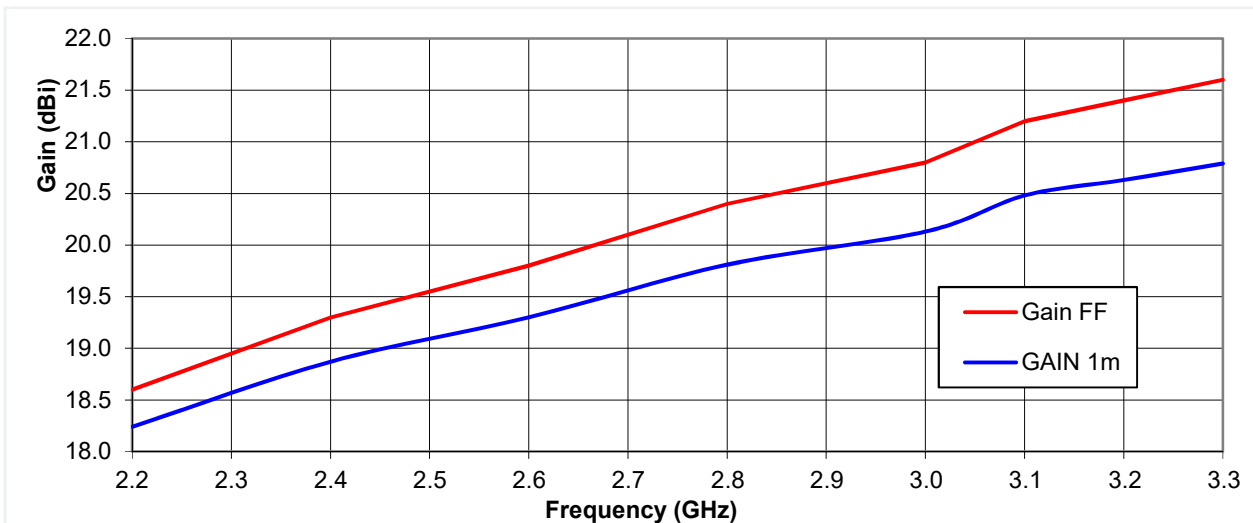


Typical Specification

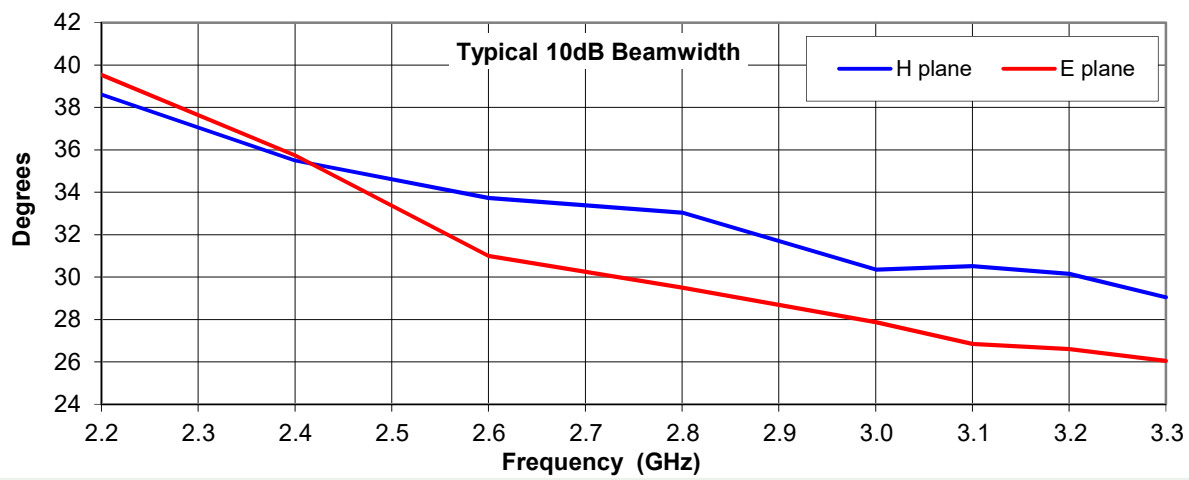
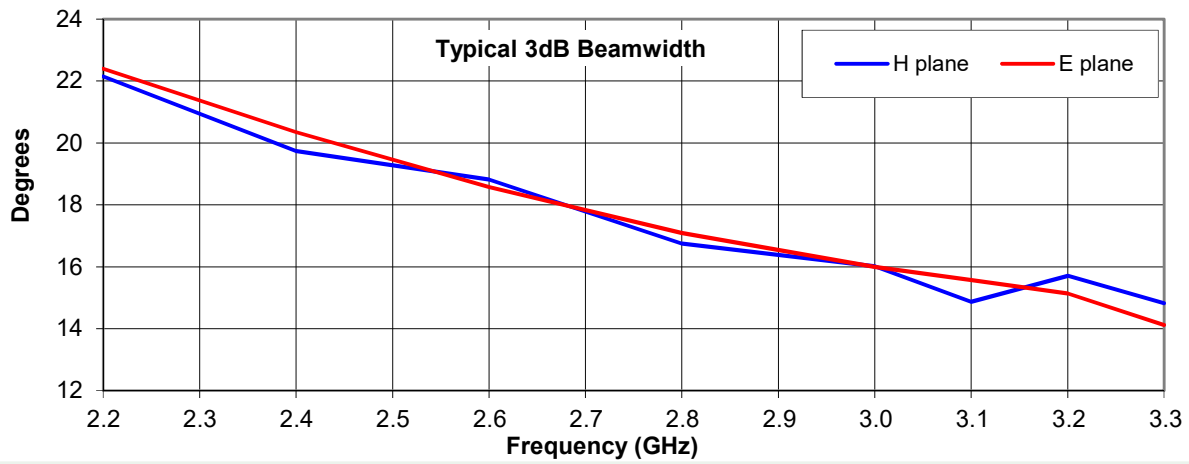
| | |
|-----------------------|--|
| Frequency | 2.2 to 3.3 GHz |
| Connector Type | N type jack |
| Power Handling | 300 Watt c.w. |
| VSWR | Typically < 1.4:1 |
| Gain | 18.6 to 21.6 dBi |
| Antenna Factor | 18.5 to 19 dB/m |
| 3dB Beamwidth | 14 to 22 degrees |
| 10dB Beamwidth | 26 to 40 degrees |
| Weight | 7.5 kg nominal |
| Maximum Size | 460 mm x 326 mm external aperture x 962 mm long |
| Mounting | 2 x Mounting plate at centre of gravity, with 4 holes, diameter 10 mm, 40 mm centres |
| Construction | Welded aluminium. Powdercoat finish. |

Typical Antenna Gain / Factor

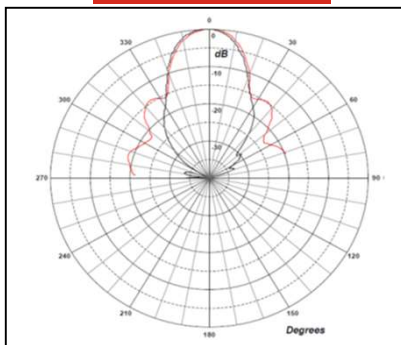
This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.



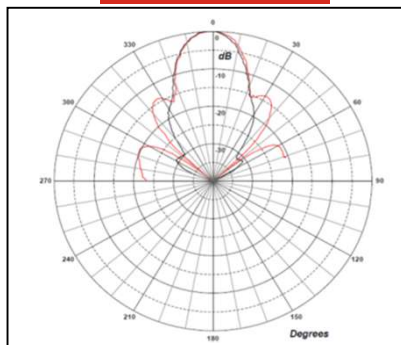
Typical Beamwidth / Radiation Patterns



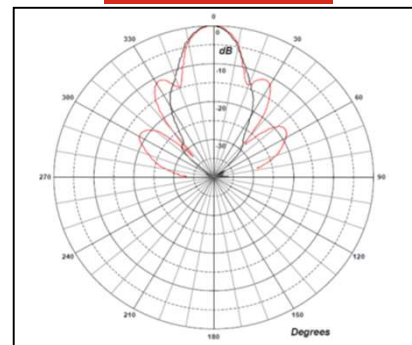
2.2 GHz



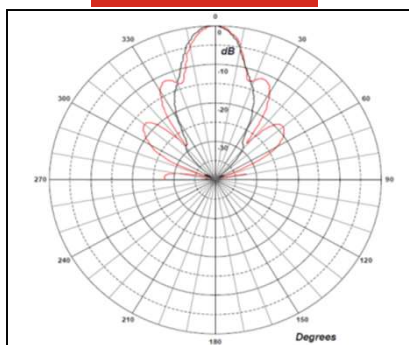
2.4 GHz



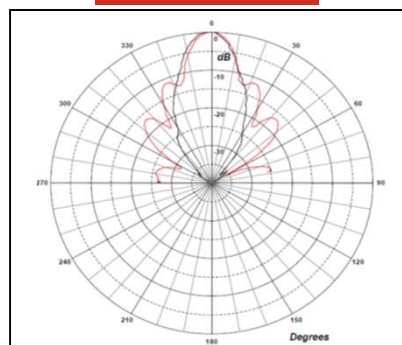
2.8 GHz



3.0 GHz



3.3 GHz



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

