

# 7 - 10 GHz Linearly Polarised 24 dBi Horn Antenna fitted with an SMA type Connector

Catalogue number **QSH-SL-7-10-S-24**

Steatite reference **QMS-00167**

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QQD06-2 V7.3

BP 28/10/2019 8486

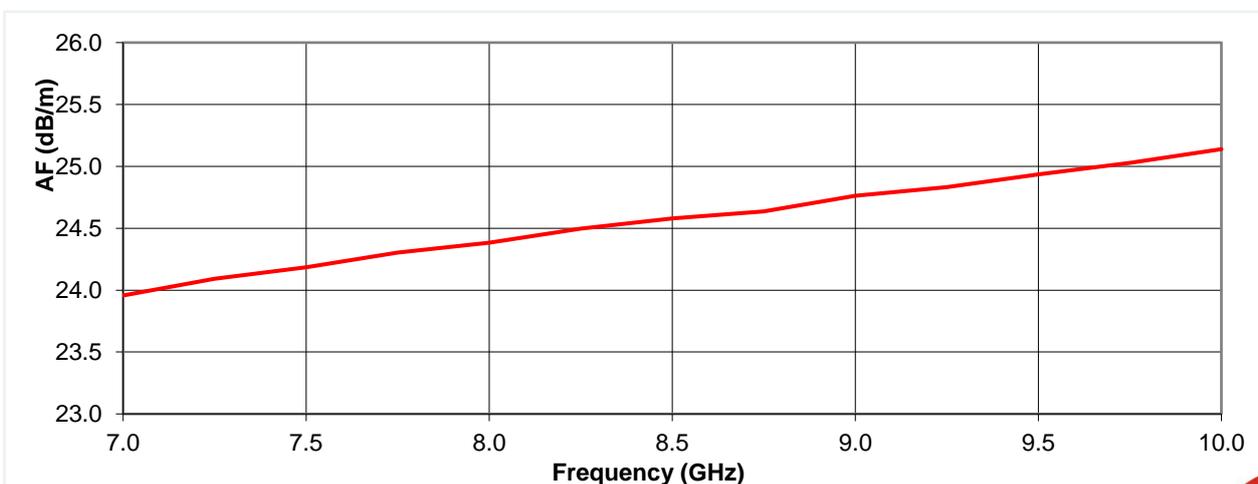
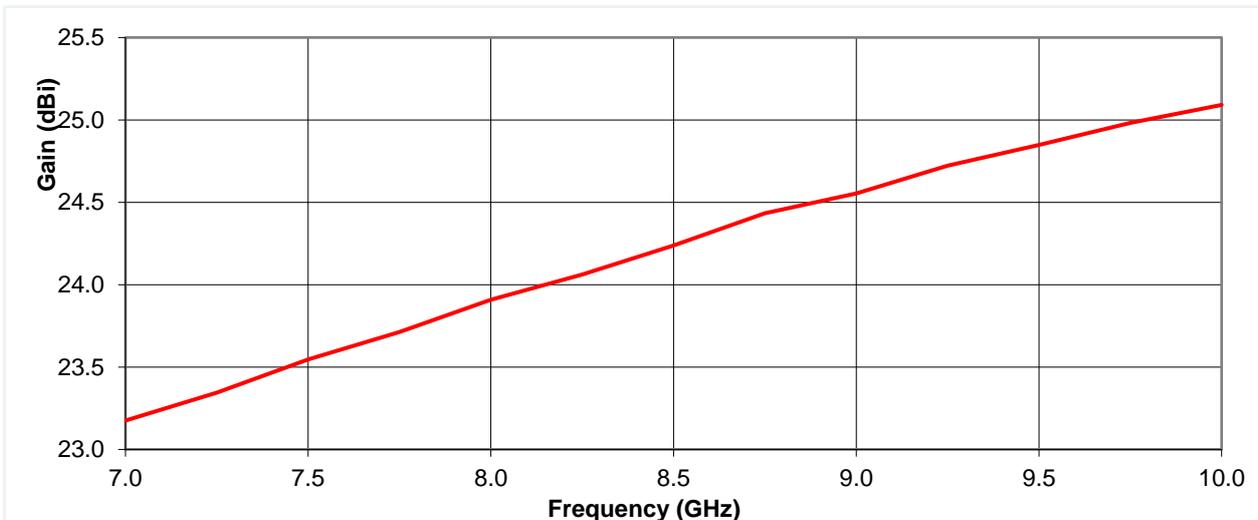


## Typical Specification

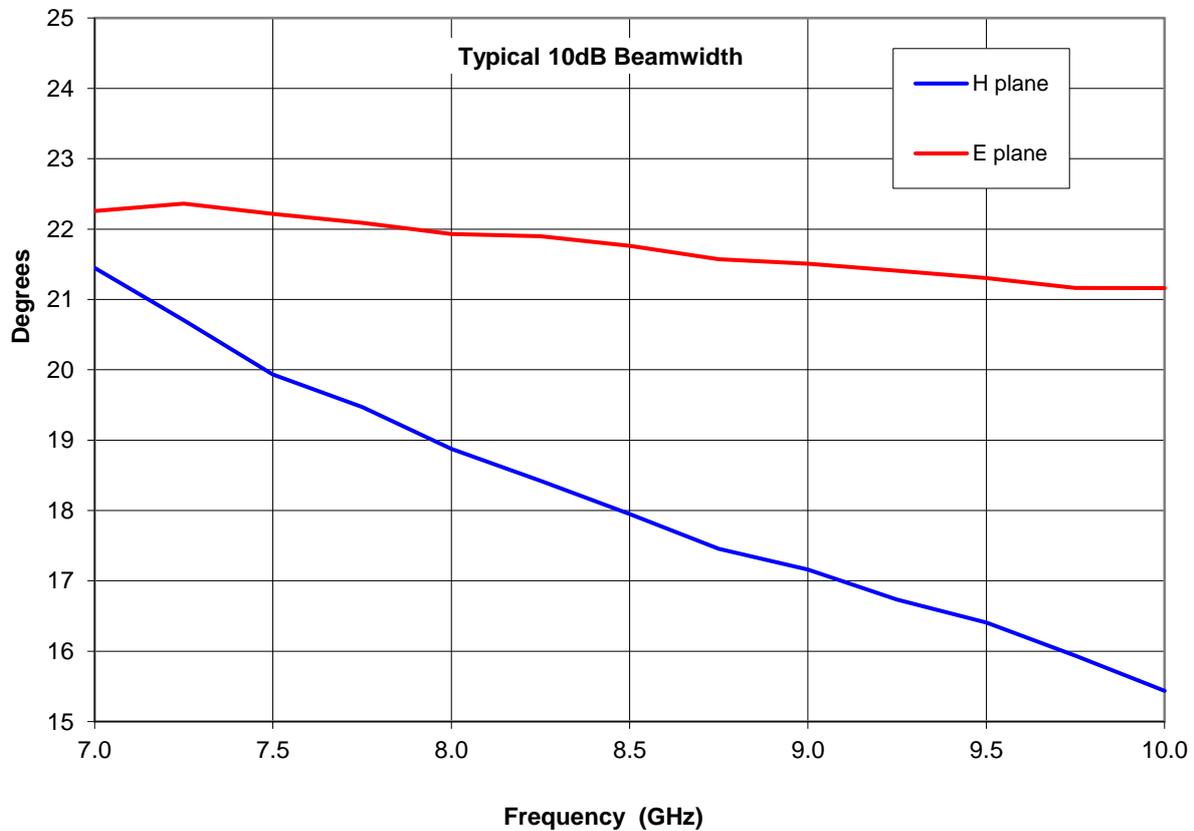
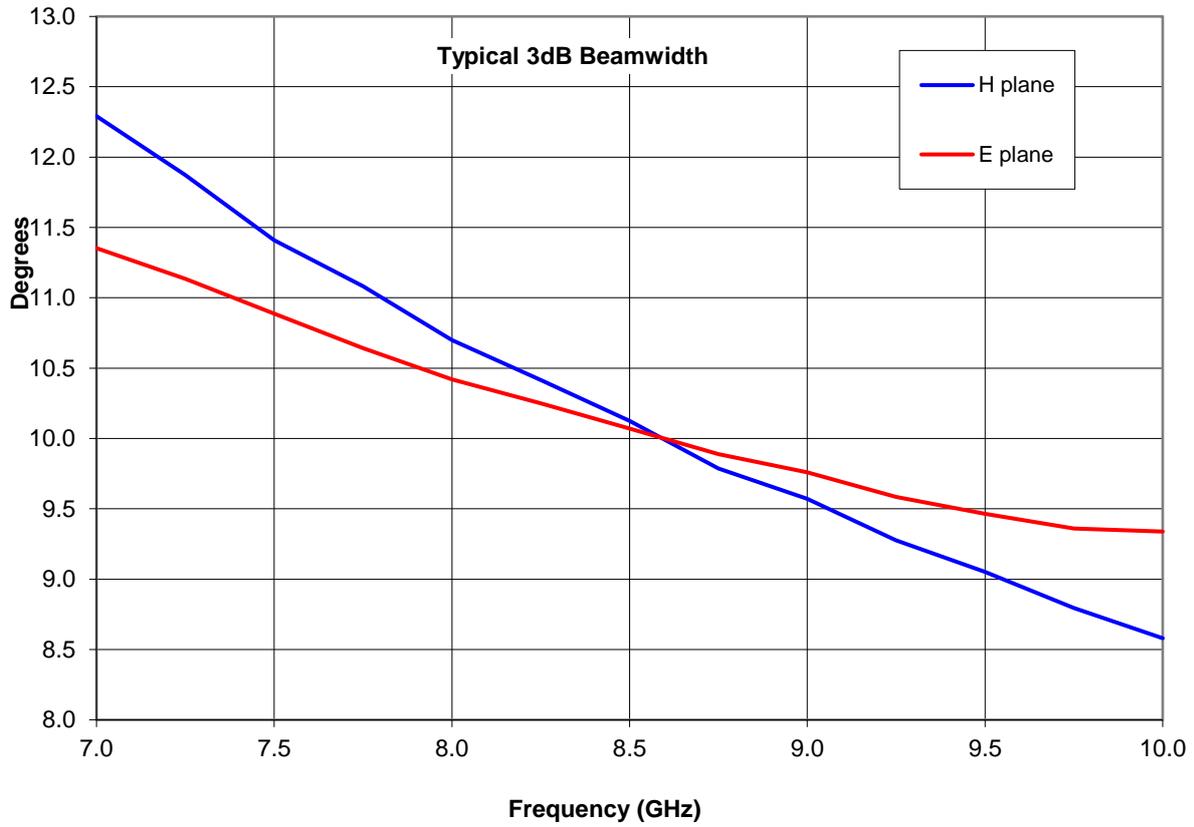
<b>Frequency</b>	7 to 10 GHz
<b>Connector Type</b>	SMA Female
<b>Power Handling</b>	50W CW
<b>VSWR</b>	<1.4:1 Typical
<b>Gain</b>	23.2 to 25.1 dBi
<b>Antenna Factor</b>	24 to 25.1 dB/m
<b>3dB Beamwidth</b>	9 to 12 degrees
<b>10dB Beamwidth</b>	15 to 22 degrees
<b>Weight</b>	2.5 kg nominal
<b>Maximum Size</b>	287 x 185 mm external aperture x 651 mm long
<b>Mounting</b>	Rear mount plate with 4 holes, diameter 4, 38 mm centres. Plus rectangular flange with 12 holes, diameter 6 mm, 50 mm centres
<b>Construction</b>	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.

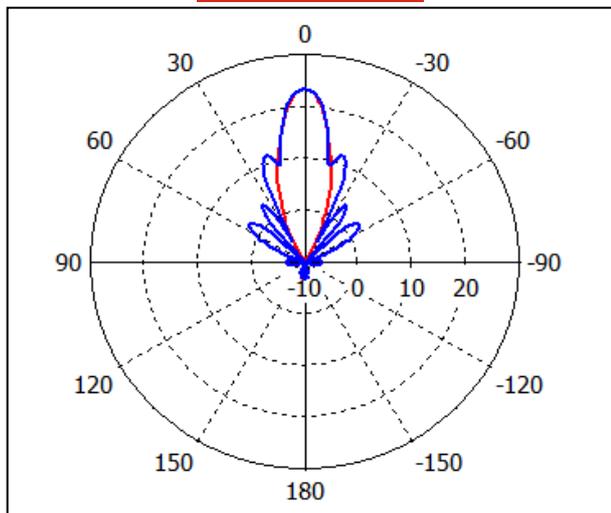


**Typical Beamwidth**

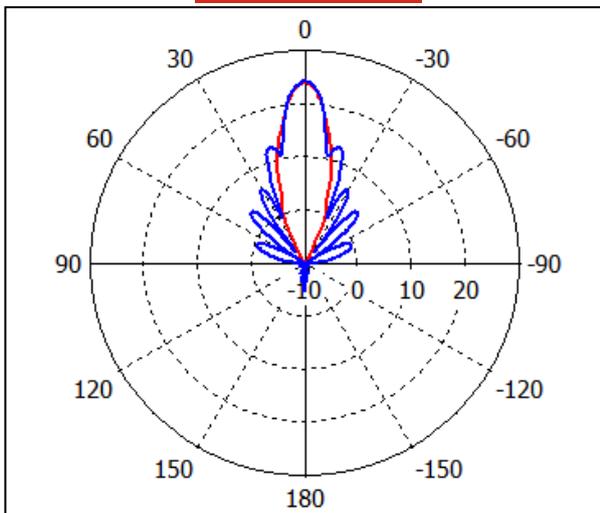


## Typical Radiation Patterns

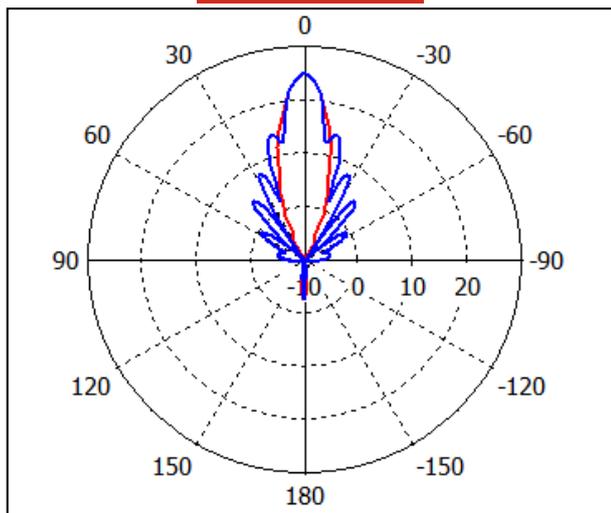
7 GHz



8 GHz



9 GHz



10 GHz

