



## 0.17 - 4 GHz Linearly Polarised Wideband Ridged Horn Antenna fitted with a 7:16 DIN Connector

Catalogue number	<b>QWH-SL-0.17-4-A-SG</b>
Q-par reference	<b>QMS-00794</b>
Contents	<b>Summary Typical Gain / Antenna Factor Typical Far Field Beamwidth and Spot Size at 1 m VSWR</b>



Typical photograph. Finish according to customer specifications.

Shown with tripod P/N QTP-C, sold separately.

# 4TECT

ООО «4TECT»

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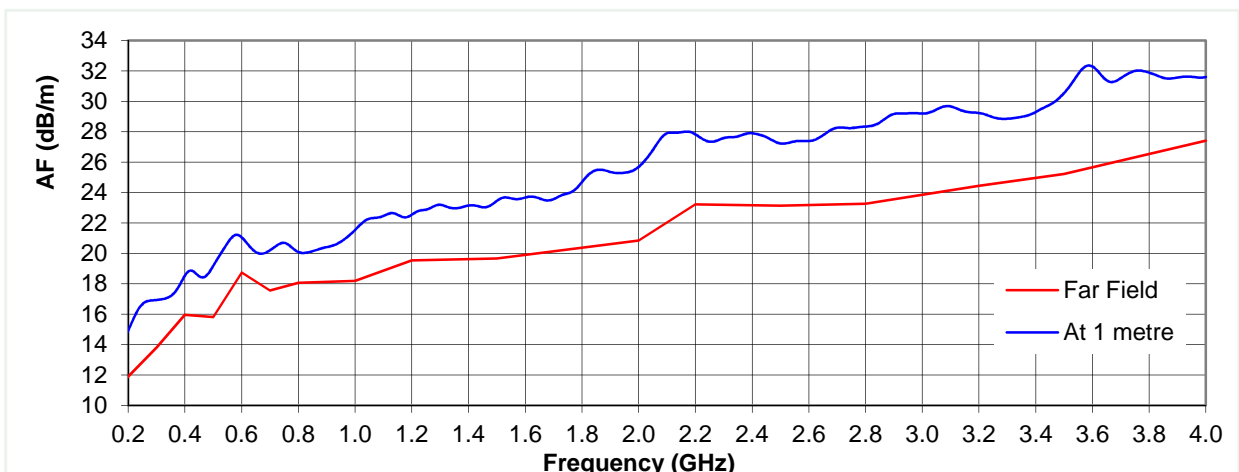
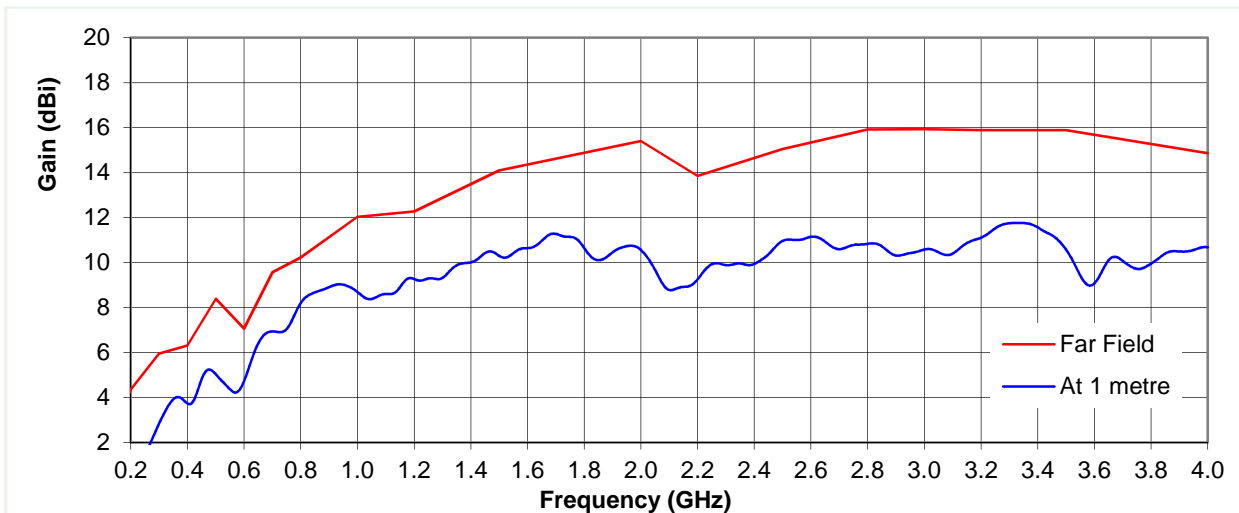
## Typical Specification

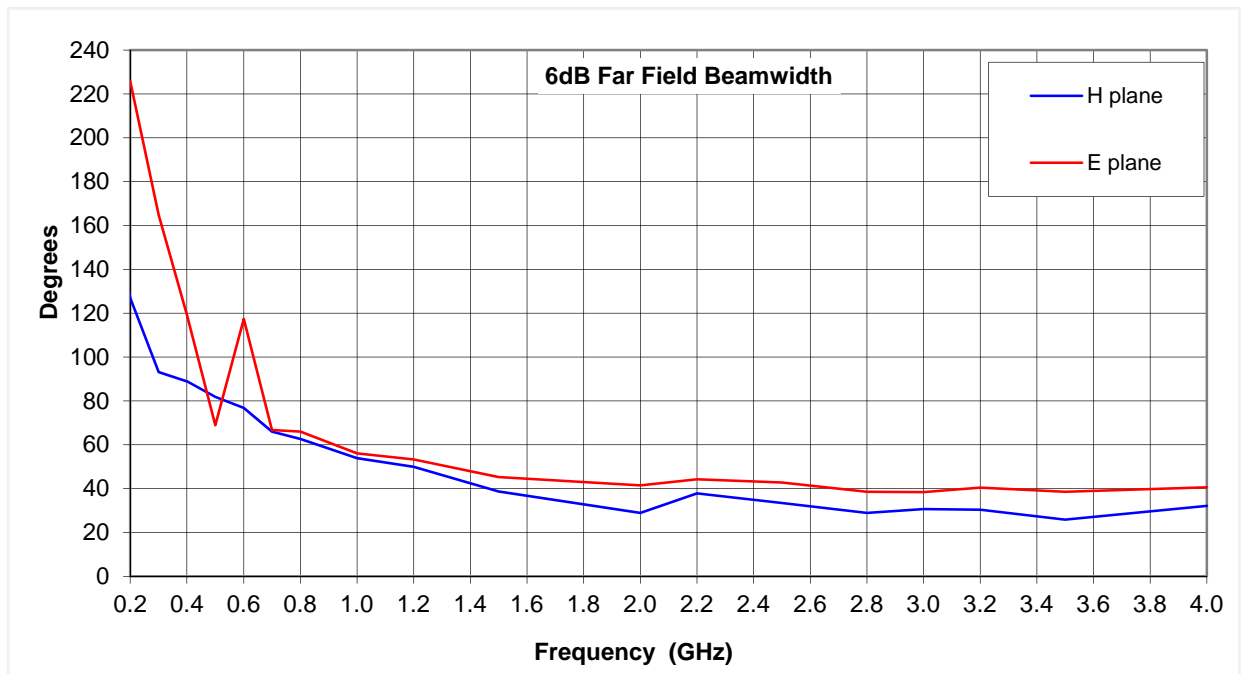
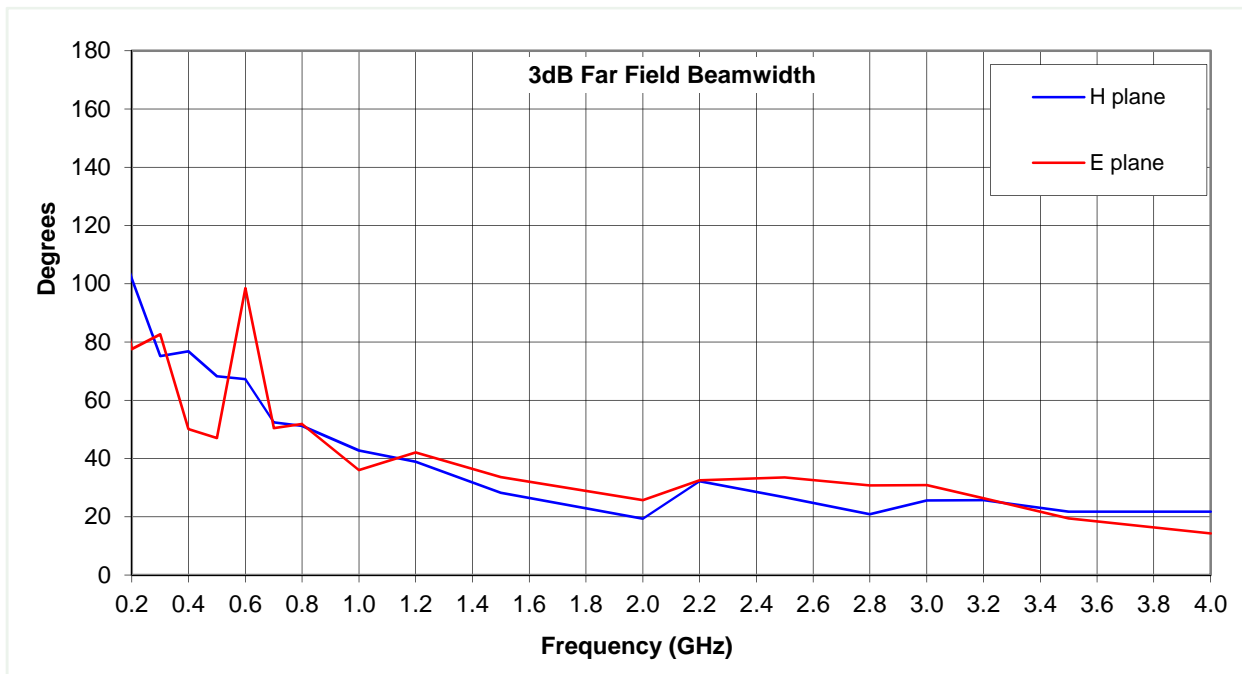
<b>Frequency</b>	0.17 to 4 GHz
<b>Connector Type</b>	7:16 DIN jack
<b>Power Handling</b>	1400 Watt c.w. at 0.4 GHz and at 20°C ambient
<b>VSWR</b>	0.6 to 4 GHz <1.5:1                      2.5:1 maximum
<b>Gain</b>	3.6 to 15.9 dBi
<b>Antenna Factor</b>	11.3 to 27.4 dB/m
<b>3dB Beamwidth</b>	14 to 111 degrees
<b>6dB Beamwidth</b>	26 to 226 degrees
<b>Weight</b>	33.2 kg nominal
<b>Maximum Size</b>	740 x 1190 mm aperture x 1360 mm long
<b>Mounting</b>	Mounting plate at centre of gravity, with 4 holes, tapped M10, 80 x 50 mm centres. Tripod mounting plate and tripod P/N QTP-C sold separately.
<b>Construction</b>	Aluminium and engineering plastics, painted.

## Typical Antenna Gain / Factor

Calculated value with an estimated error of +/- 0.8dB

The graphs show values in the far field and at 1 metre as measured from tip of horn ridge.





3 dB Spot Size ( ± 5 mm) at One Metre		
Frequency (GHz)	H plane (mm)	E plane (mm)
< 1	> 1000	> 1000
1.2	890	800
1.5	750	870
2	740	840
2.5	680	780
2.8	670	850
3.2	680	840
3.5	610	740
4	780	720

