



# Vertically polarised omnidirectional antenna

## 10 MHz to 1 GHz

Catalogue number: **QOM-SL-0.01-1-N-SG-R**

Q-par reference: **QMS-00427**

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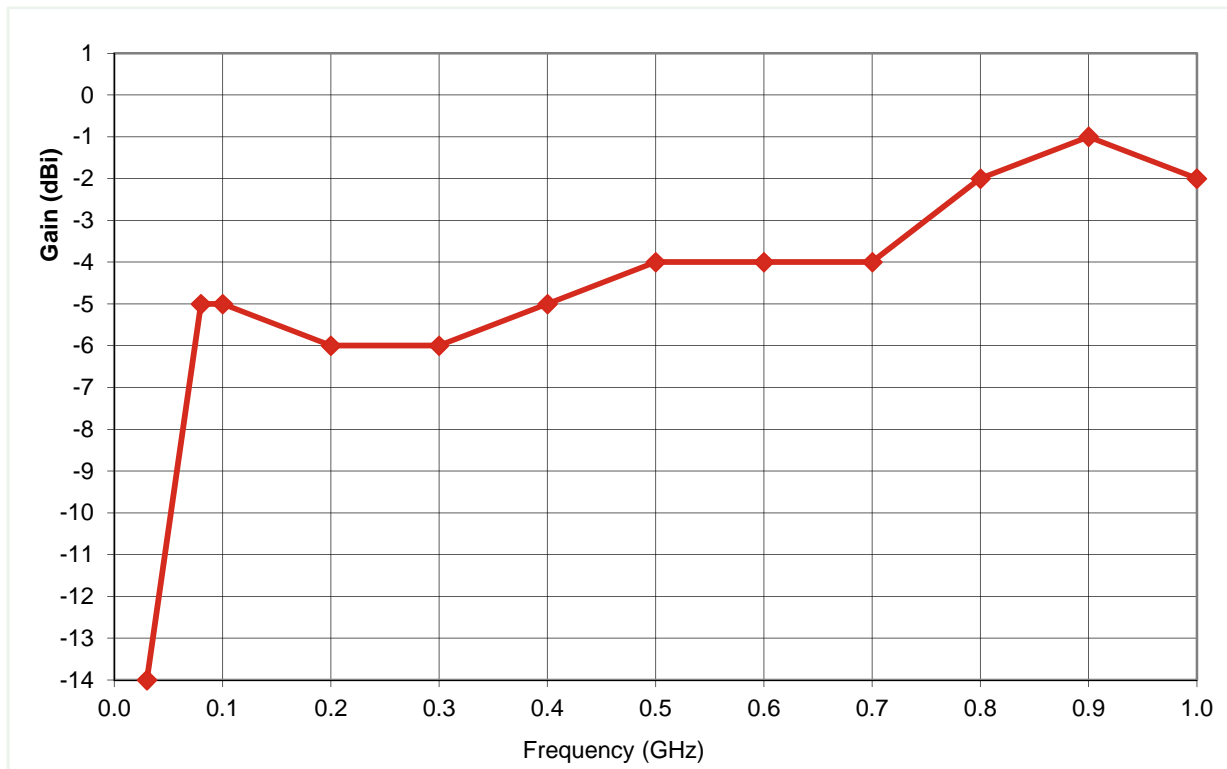


## Typical Specification

<b>Frequency</b>	10 MHz to 1 GHz
<b>Connector type</b>	N
<b>Power Handling</b>	Rx only
<b>VSWR</b>	Typically < 3.0:1
<b>Gain</b>	0 to -14 dBi 100 MHz to 1 GHz
<b>Circularity</b>	Better than +/- 1 dB in azimuth
<b>Compliance</b>	RoHS
<b>Grounding</b>	DC short
<b>Weight</b>	560 g
<b>Size- max.</b>	953 mm long x 40 mm diameter
<b>Mounting</b>	To 34.5 mm ID pole
<b>Construction</b>	Aluminium and UPVC

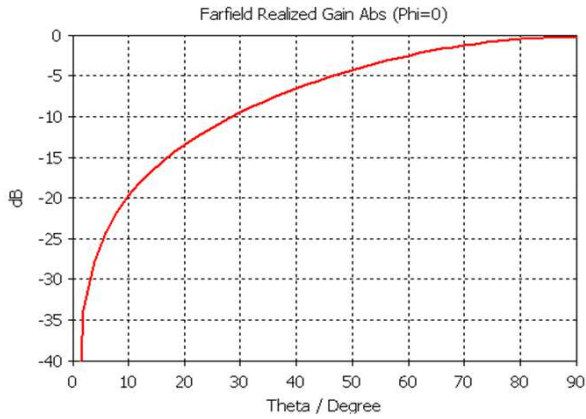
## Typical Antenna Gain on Horizon

This is calculated by reference to standard gain antennas with an estimated error of +/- 1 dB, with the antenna mounted on a 2 x 2 m ground plane.

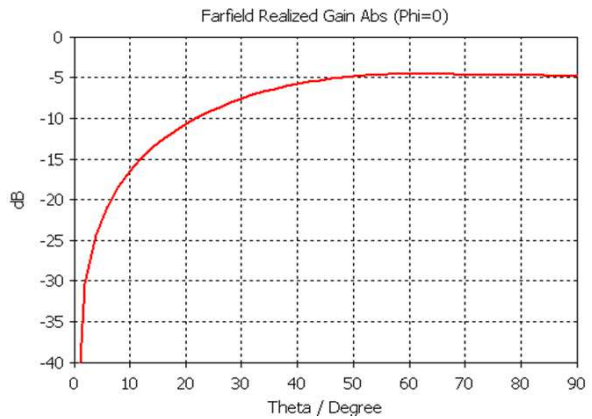


# Calculated Elevation Radiation Patterns

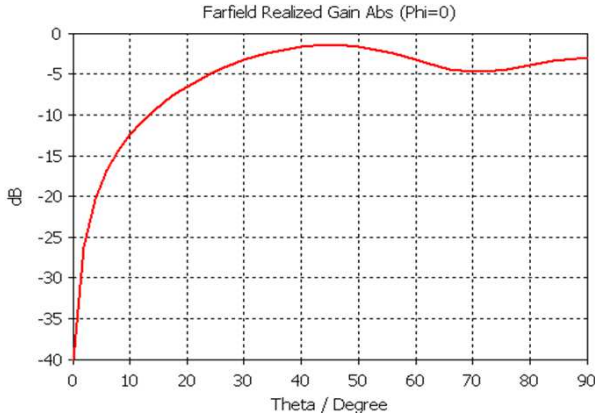
0.1 GHz



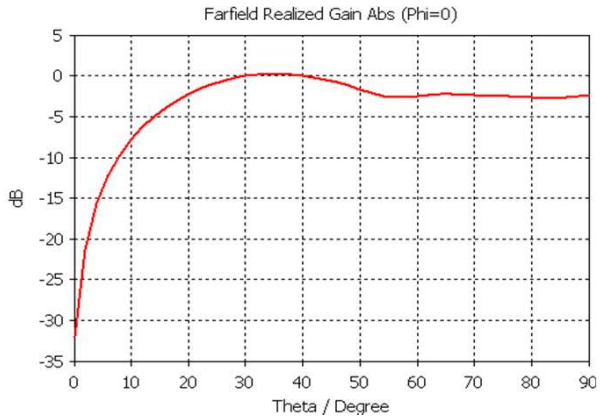
0.2 GHz



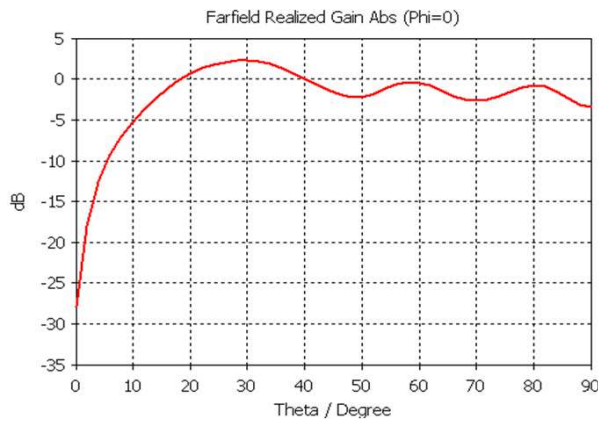
0.5 GHz



0.8 GHz



1 GHz



Theta is the angle from the vertical.

