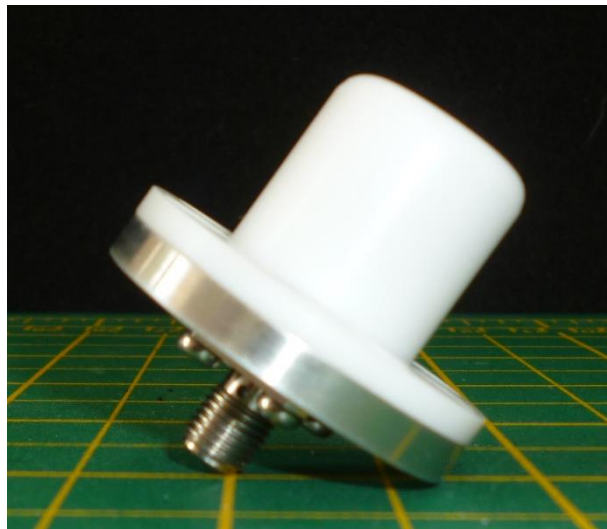


# 6 - 18 GHz Vertically Polarised Omnidirectional Antenna fitted with an SMA type Connector and Radome

Catalogue number **QOM-SL-6-18-S-SG-R**

Steatite reference **QMS-00929**

Contents **Summary**  
**Typical Gain**  
**Typical Patterns**

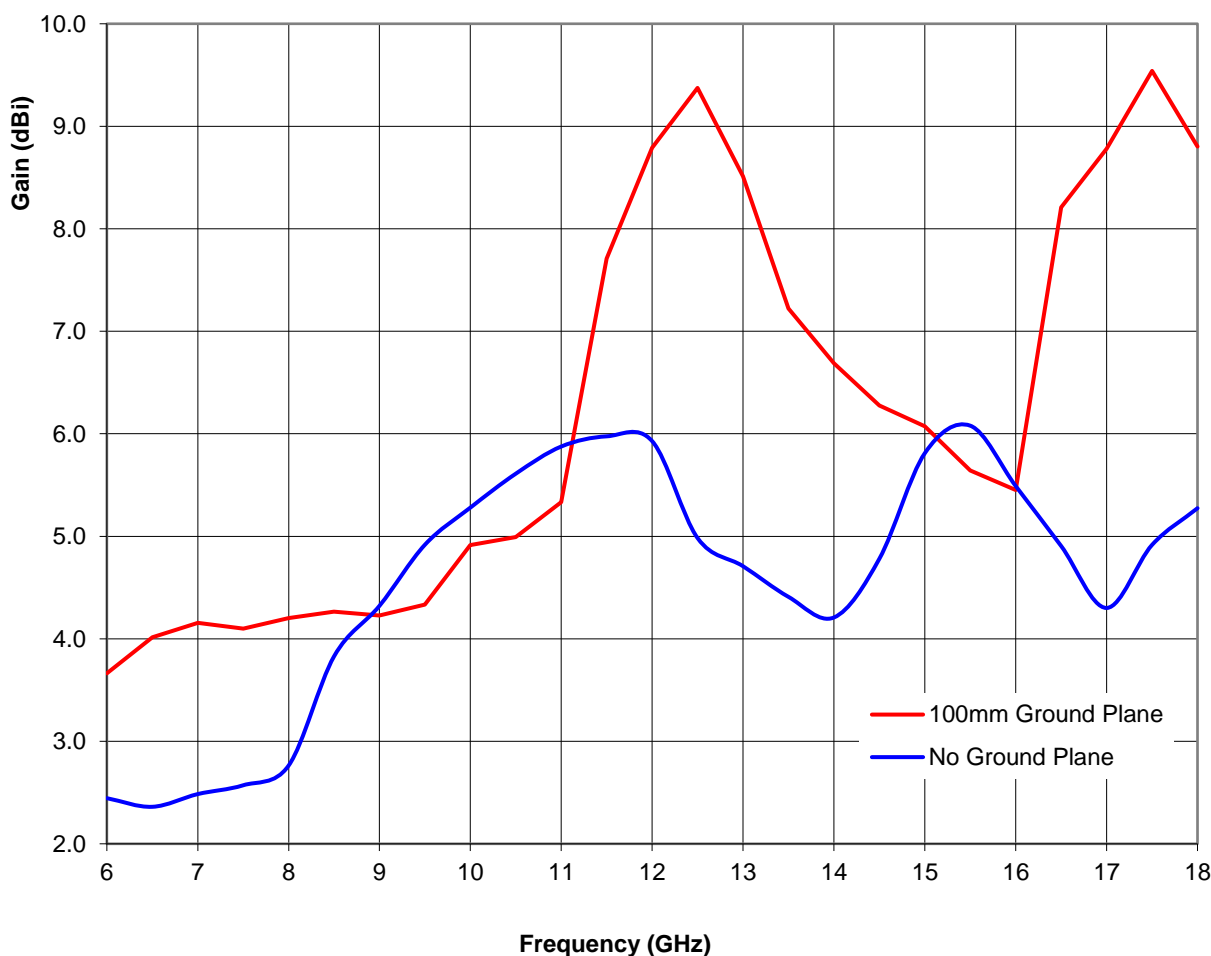


## Typical Specification

<b>Frequency</b>	6 to 18 GHz
<b>Connector Type</b>	SMA Female
<b>Power Handling</b>	50W CW (Ambient Temperature and Sea Level)
<b>VSWR</b>	<1.75:1 Typical
<b>Gain</b>	3.7 to 9.5 dBi
<b>Antenna Factor</b>	42.1 to 48.9 dB/m
<b>Polarisation</b>	Linear (Vertical)
<b>Impedance</b>	50 Ohms (nominal)
<b>Weight</b>	30g (nominal)
<b>Maximum Size</b>	33mm diameter baseplate and 32mm tall (including connector)
<b>Mounting</b>	4 x M2.5 on a 25.5mm PCD
<b>Construction</b>	Aluminium ground plane and Dielectric Radome

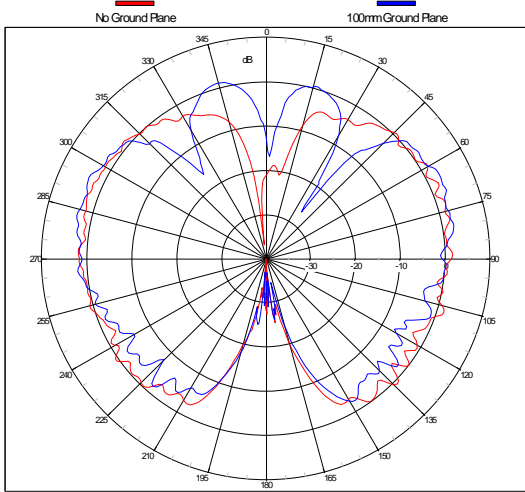
## Typical Antenna Peak Gain

Peak antenna gain is quoted with and without a 100mm diameter ground plane, a larger or smaller ground plane will effect the antenna radiation characteristics.

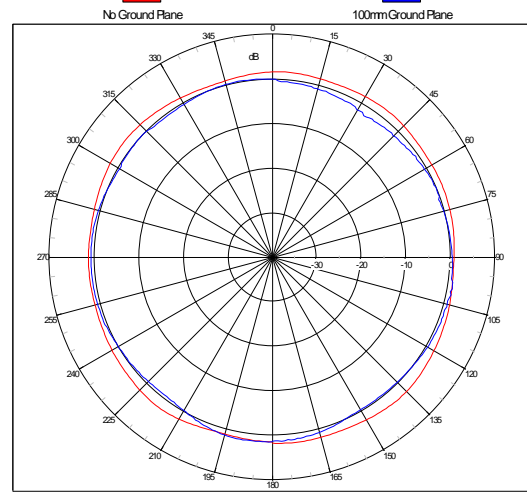


## Measured Radiation Patterns

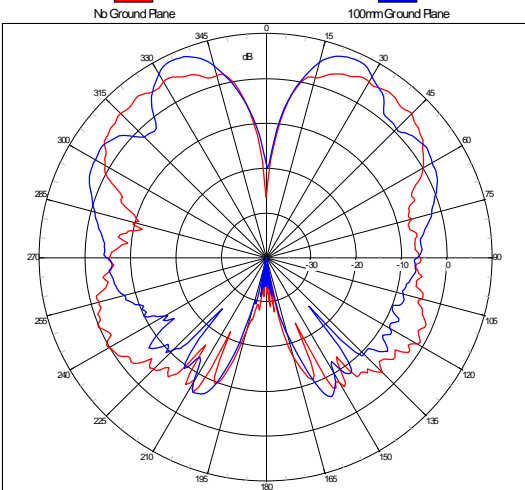
### 6 GHz Elevation



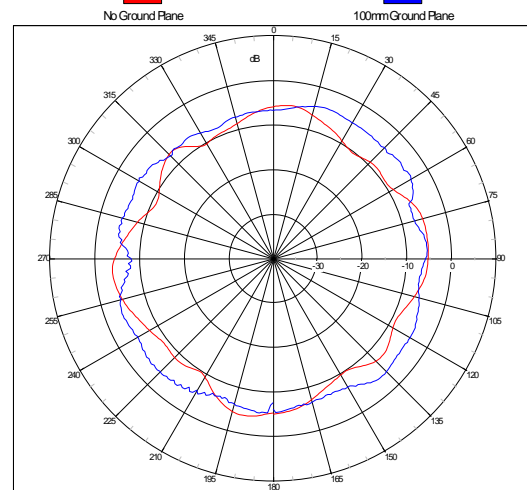
### 6 GHz Azimuth



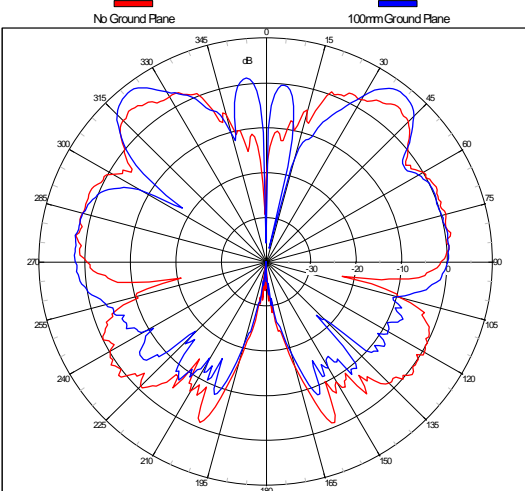
### 12 GHz Elevation



### 12 GHz Azimuth



### 18 GHz Elevation



### 18 GHz Azimuth

