# 4G GSM / LTE / Wifi Gain Antenna

## ANT-M4G3-SMA

### Features
- Frequency Range
  - 690-960
  - 1710-2170
  - 2400-2700MHz
- Omni Directional 3 dBi Gain
- Rugged plastic finish IP65 Rated.
- Wall Mount Bracket
- 50ohm Impedance
- 3m RG58U with SMA Male
- Vertical Polarization
- V.S.W.R ≤ 2.5
- 270mm Long
- Operating Temp –30°C to +70°C

### Applications
- 4G / LTE Applications
- GSM Applications
- WiFi

### Description
A wall mount LTE and GSM antenna supplied with a 3m RG58U cable and male SMA connector. This ready to operate antenna required no tuning and provides optimum range and reliability to your application.

### Ordering Information

<table>
<thead>
<tr>
<th>Part No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT-M4G3-SMA</td>
<td>4G LTE/GSM Outside antenna (IP65 Rated) with SMA Male Connector</td>
</tr>
</tbody>
</table>
V.S.W.R Test Report

S11 Test Report
2D Pattern—E Plane 824MHz: 1.81917 dBi

2D Pattern—E Plane 850MHz: 0.84165 dBi
ANT-M4G3

2D Pattern—E Plane 900MHz: 1.72636 dBi

2D Pattern—E Plane 960MHz: 1.60164 dBi
E-Plane 1710MHz: 1.06143 dBi

E-Plane 1800MHz: 1.76763 dBi
E-Plane 1900MHz: 0.96073 dBi

E-Plane 2170MHz: 0.72134 dBi
E-Plane 2400MHz: 1.73269 dBi

E-Plane 2500 MHz: 1.04758 dBi
E-Plane 2600MHz: 2.59262 dBi

H-Plane 806MHz: 1.37841 dBi
H-Plane 824MHz: 1.77902 dBi

H-Plane 850 MHz: -1.60185 dBi
H-Plane 900MHz: -2.47165 dBi

H-Plane 960MHz: -3.26146 dBi
H-Plane 1710MHz: -1.21375 dBi

Far-field amplitude of 20150701-4G ANT+CALBE-3.5M-Hnsi

H-Plane 1800MHz: 0.29161 dBi

Far-field amplitude of 20150701-4G ANT+CALBE-3.5M-Hnsi
H-Plane 1900MHz: -0.03944 dBi

Far-field amplitude of 20150701-4G ANT+CALBE-3.5M-H

H-Plane 2170MHz: 0.020 dBi

Far-field amplitude of 20150701-4G ANT+CALBE-3.5M-H
H-Plane 2400MHz: -6.23579 dBi

Far-field amplitude of 20150701-4G ANT+CALBE-3.5M-H nsi

H-Plane 2500MHz: -8.61832 dBi

Far-field amplitude of 20150701-4G ANT+CALBE-3.5M-H nsi
RF Solutions Ltd. Recycling Notice

DO NOT
Discard with normal waste, please recycle.

ROHS Directive 2002/95/EC
Specifies certain limits for hazardous substances.

WEEE Directive 2002/96/EC
Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfills its WEEE obligations by membership of an approved compliance scheme.

Waste Batteries and Accumulators Directive 2006/66/EC

Where batteries are fitted, before recycling the product, the batteries must be removed and disposed of at a licensed collection point.

Environment Agency producer registration number: WEE/JO0104WV.

Disclaimer:
Whilst the information in this document is believed to be correct at the time of issue, RF Solutions Ltd. does not accept any liability whatsoever for its accuracy, adequacy or completeness. No express or implied warranty or representation is given relating to the information contained in this document. RF Solutions Ltd reserves the right to make changes and improvements to the products described herein without notice. Buyers and other users should determine for themselves the suitability of any such information or products for their own particular requirements or specifications. RF Solutions Ltd. shall not be liable for any loss or damage caused as a result of a user’s own determination of how to deploy or use RF Solutions Ltd.’s products. Use of RF Solutions Ltd.'s products or components in life support and/or safety applications is not authorised except with express written approval. No licenses are created, implied or otherwise, under any of RF Solutions Ltd.’s intellectual property rights. Liability for loss or damage resulting or caused by reliance on the information contained herein or from the use of the product (including liability resulting from negligence or where RF Solutions Ltd. was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict RF Solutions Ltd.’s liability for death or personal injury resulting from its negligence.

www.rfsolutions.co.uk