



All Band GSM/LTE Omnidirectional Antenna

Operating Frequency 790-960 MHz, 1710-2170 MHz&2500-2700 MHz

Product Code: A-OMNI-0121-V3

This medium gain omnidirectional antenna covers the GSM 900, GSM1800 / UMTS and LTE frequency bands.

Features:

- Broadband.
- Covers most international GSM and LTE bands.
- Robust and weatherproof

Application areas:

This antenna provides communications capabilities for the following:

| Standard | Frequency (MHz) |
|-----------------------------------|--------------------------------|
| LTE | 790-960, 1710-2170 & 2500-2700 |
| GSM900 | 880 - 960 |
| GSM 1800 / PCS/ PCN | 1710 - 1880 |
| DECT | 1880 - 1900 |
| PHS Japan, Taiwan and China only | 1895 - 1918 |
| GSM "GSM1900" USA and Canada only | 1850 - 1990 |
| UMTS | 1900 - 2170 |





Specifications:

Product Code: A-OMNI-0121-V3
EAN: 6009693810211
Features: 8 m HDF195 with SMA(m) connector, wall mount bracket

Electrical:

| | |
|-----------------------------|---|
| Frequency (MHz) | 790-960, 1710-2170 & 2500-2700 |
| Gain | 2.4dBi Max Gain @ 790-960 MHz 6.0dBi Max Gain @ 1710-2170 MHz 7.0dBi Max Gain @ 2500-2700 MHz |
| VSWR across operating bands | < 2.5:1 |
| Feed power handling | 10 W |
| Nominal input impedance | 50 Ohm |
| Polarisation | Linear |
| Connector | SMA Male |
| Cable | 5m HDF 195 |
| Flammability Rating | UL 94-V0 |
| RoHS | Compliant |

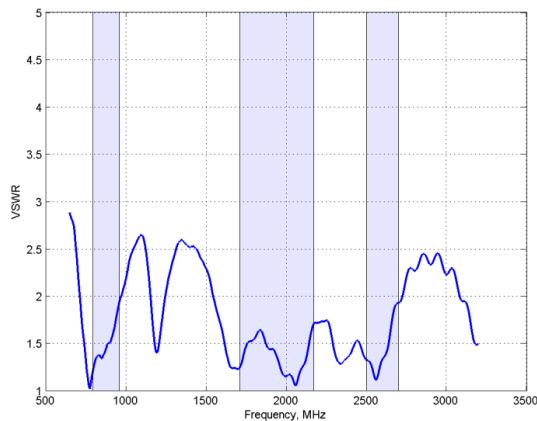
Environmental:

| | |
|-------------------------------|--------------------------|
| Wind Survival | 160 km/h |
| Temperature Range (Operating) | - 40° C to +70° C |
| Shock | 40G at 10 msec |
| Thermal Shock | -20°C to +70°C:10 cycles |
| Water Ingress Rating | IP65 (NEMA 4X) |

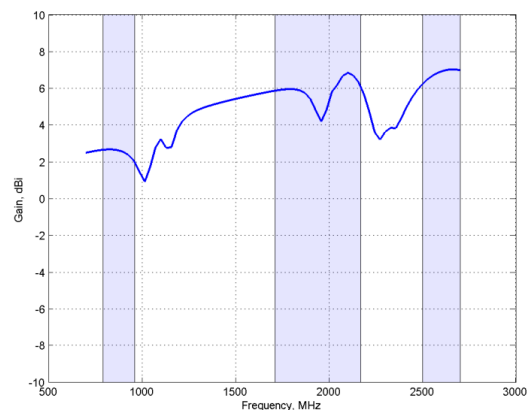
Mechanical:

| | |
|------------------------------------|---------------------------|
| Mounting | Wall Mount and Pole Mount |
| Packing Box Dimensions (l x w x h) | 620 x 110 x 75 mm |
| Master Box Dimensions (l x w x h) | 620 x 540 x 350mm |
| Qty of Antennas/Master Box | 20 |
| Weight of Master Box | 14kg |

VSWR and Gain Plots:



VSWR



Gain