



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

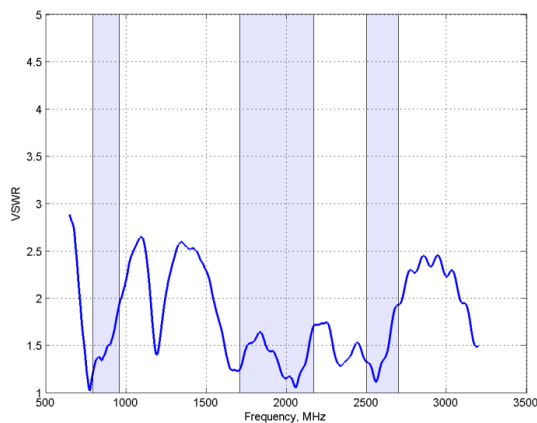
Environmental:

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)

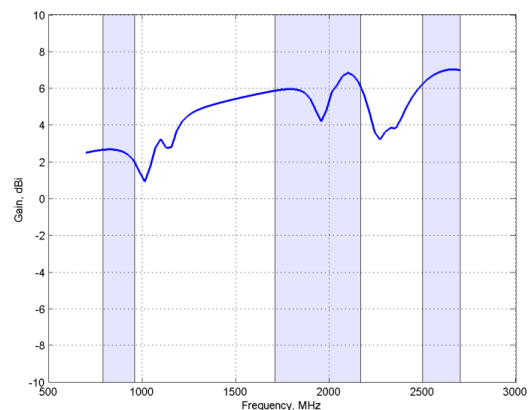
Mechanical:

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