

GSM/3G/LTE High-Gain Cellular Omnidirectional Antenna

Operating Frequency: 790 – 960, 1710 – 2170 and 2500 – 2700 MHz Bands

Product code: OMNI-A0069-V3

This high gain omni-directional antenna covers all cellular frequencies bands of LTE (4G), but also covers the bands for HSDPA, 3G, EDGE, GPRS and GSM/voice. Its configuration makes it suitable for fixed installations of any cellular frequency band.



Features:

- High gain over a very wide band
- Covers all cellular bands
- Robust and weatherproof

Application:

- GSM900, GSM1800, GSM1900, UMTS and LTE (**for LTE 2 antennas are required**)
- High-end industrial grade router applications
- Mobile Offices
- Voice/Data
- External antenna for DAS Systems

Specifications:

Product Code:	OMNI-A0069-V3
EAN:	6009693810594
Features:	N(f) connector at bottom of antenna pole or wall mount
Electrical:	
Gain	4.9dBi Max Gain @ 790-960 MHz 6.3dBi Max Gain @ 1710-2170 MHz 6.2dBi Max Gain @ 2500-2700 MHz
Frequency	790 – 960, 1710 – 2170, and 2500 – 2700 MHz
VSWR Across Operating Bands	<2.5:1
Feed power handling	10 W
E-plane 3 dB beamwidth	25° (± 5°)
H-plane 3 dB beamwidth	360°
Front to back (F/B ratio)	N/A
Nominal input impedance	50 Ohm
Polarisation	Linear
Connector	N-Type Female
DC Short	Yes

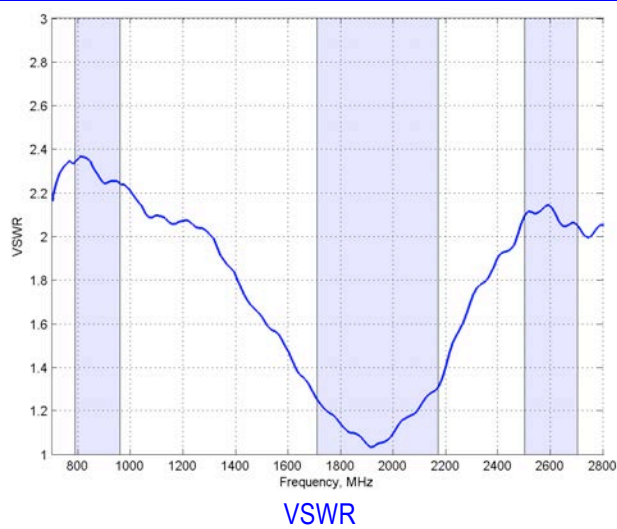
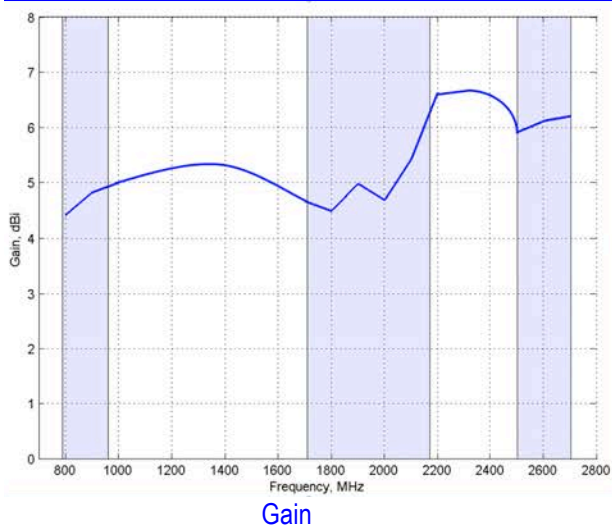
Environmental:

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

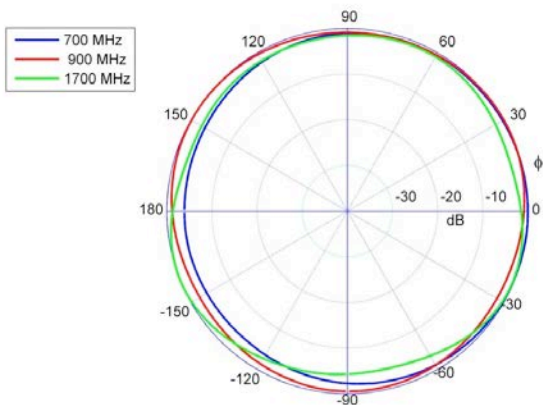
Mechanical:

Mounting	Stainless steel brackets for up to 50 mm poles
Dimensions (l x w x h)	580 x 90 x 85 mm
Weight	600 g
Radome Colour	RAL9001 Cream/Grey
Flammability Rating	UL 94-V0
RoHS	Compliant

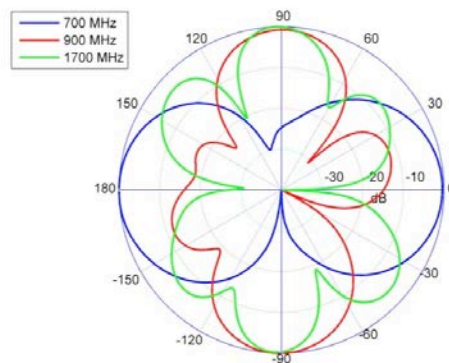
Gain & VSWR:



Radiation patterns:



H-Plane (Azimuth) - 700, 900, 1700 MHz



E-Plane (Elevation) – 700, 900, 1700 MHz