

Cellular Blade Antenna

790MHz - 960MHz and
1710MHz - 2700 MHz Bands

Product Code: A-OMNI-0039-05-V3

This is an aesthetically pleasing tri-band cellular antenna for general indoor and outdoor cellular applications. The linear polarised antenna has a compact design and magnet mounting also making it suitable for mobile applications. It is ideal for machine to machine (M2M) applications that are communicating through GSM network (GPRS/ EDGE/ 3G/ HSPA/ LTE)

This antenna exceeds the performance of a standard monopole for the following reasons:

- It is ground-plane independent.
- It uses high quality low-loss cable.
- It is a dipole not a monopole.

This is the antenna of choice for Point-of-Sale (POS) terminals, ATM's and most telemetry solutions.



WHERE DO YOU USE THIS?

LTE

3G

GSM

WIMAX

WIFI

GPRS

EDGE

HSPA

CDMA2000

EVDO

ELECTRICAL:

Frequency in MHz:	790 - 960 1710 - 2700
Gain (Max):	2.0 dBi
VSWR:	< 2.5:1
Feed Power Handling:	10 W
E-Plane 3 dB Beamwidth:	65°
H-Plane 3 dB Beamwidth:	360°
Front to Back:	—
Nominal Input Impedance:	50 Ohm
Polarisation:	Linear (Vertical or Horizontal)

MECHANICAL:

Dimensions (L x W x D):	150 mm x 60 mm x 40 mm
Packaged Dimensions:	185 mm x 145 mm x 40 cm
Weight:	100 g
Packaged Weight:	150 g

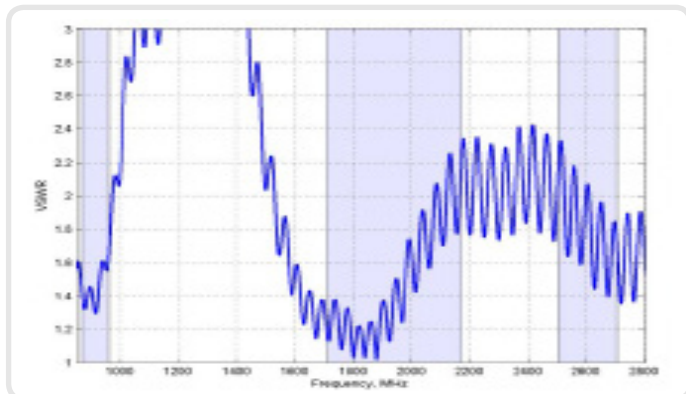
ENVIRONMENTAL:

Wind Survival:	N/A
Temperature Range (Operating):	- 40° to + 70°
Thermal Shock:	-40° to + 70°: 10 Cycles
Water Ingress Rating:	IP 65
Relative Humidity:	100% at 30°C
Salt Spray:	MIL-STD 810F
Flammability Rating:	UL 94-V1
RoHS:	Compliant
UV Specification:	Minimum 7 years outdoor usage

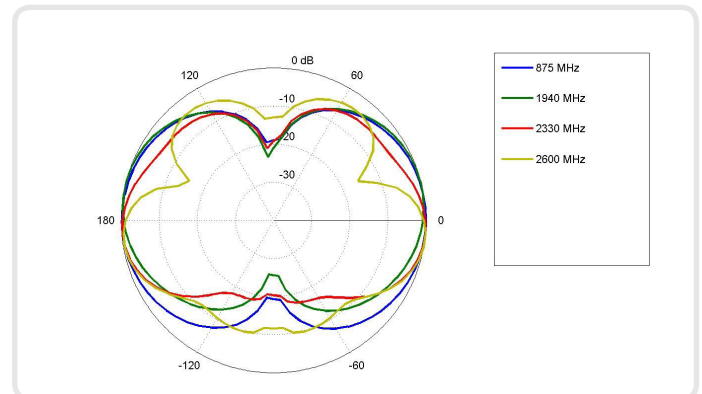
INCLUDED WITH PRODUCT:

Mounting Bracket:	Magnet mount
Cable Length:	2.0 m
Cabel Type:	RG 58 cable
Connector:	SMA {male} (Brass/Gold Plated)

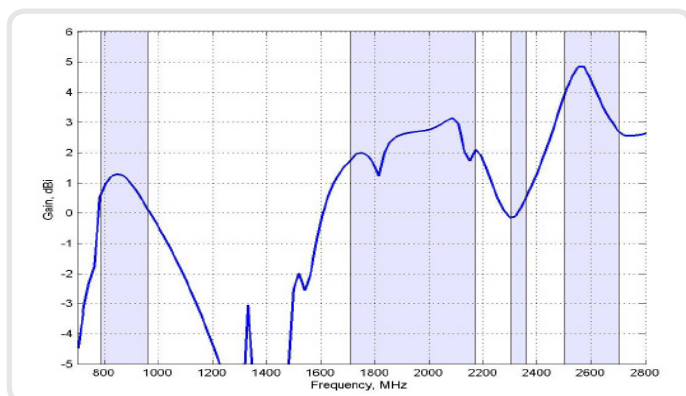
PLOTS:



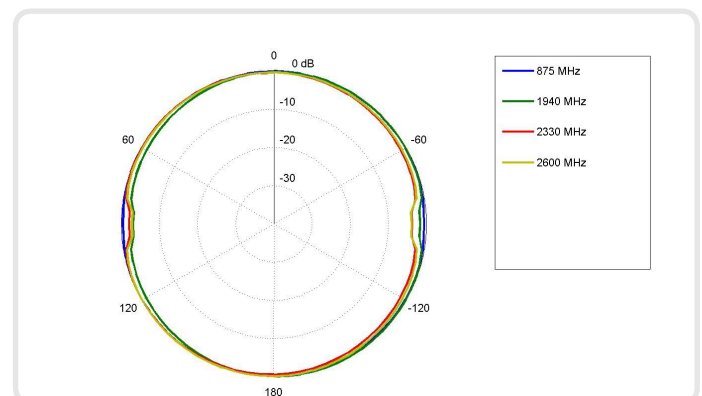
VSWR



Combined E Plane



Gain



Combined H Plane