LTE Omni Antenna 450 - 2600 MHz

Operating Frequency: 452 - 468, 790 - 960, 1710 -2170, 2500 - 2700 MHz
Product Code: Poynting OMNI-A0275

This Poynting antenna OMNI-A0275 covers LTE bands 31, 3 and 30. These bands include HSDPA, 3G, EDGE, GPRS and GSM.

Its configuration makes it suitable for fixed installations of any popular cellular frequency band.

This antenna is ideal as it is backward compatible with legacy cellular technologies.

For LTE application two antennas are required

Application

LTE/4G, 3G, GSM, WIMAX, GPRS, EDGE, HSPA, CDMA2000, EVDO

Specification

Product Code	Poynting OMNI-A0275
EAN	6009693810969
Electrical	
Frequency/ Gain:	
Gain @452 – 468 MHz	2.5 dBi
Gain @790 – 862 MHz	5 dBi
Gain @1710 – 2170 MHz	5 dBi
Gain @ 2500 - 2700 MHz	6 dBi
VSWR	< 3.0:1
Feed Power Handling	10 W
Nominal Input Impedance	50 Ohm
Polarisation	Linear vertical
Connector	N-Type (female), silver/nickel plated
Mechanical	
Dimensions (l x w x d)	485 mm x 75 mm x 75 mm
Packaged Dimensions	510 mm x 95 mm x 95 mm
Weight	750 g
Packaged Weight	910 g

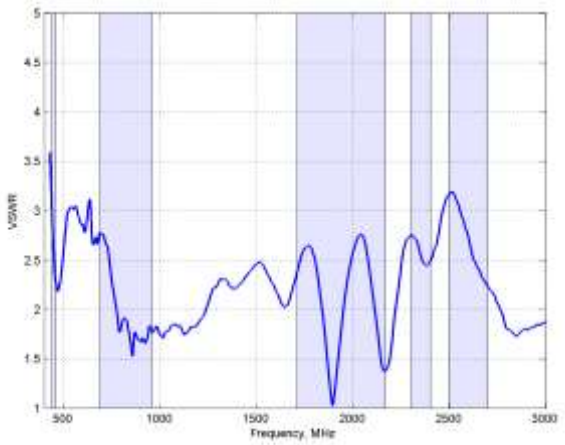
Environmental

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

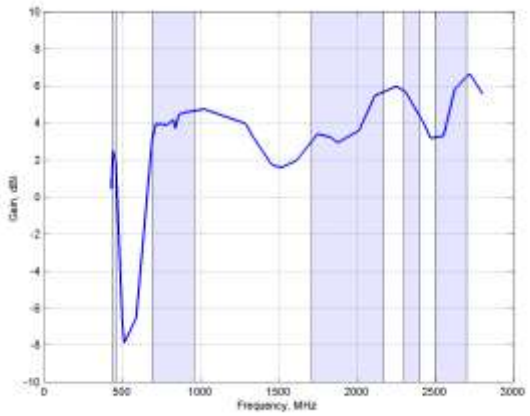
Included with Product

Mounting Bracket	Pole and wall Stainless steel bracket for up to 50 mm poles.

VSWR and Gain

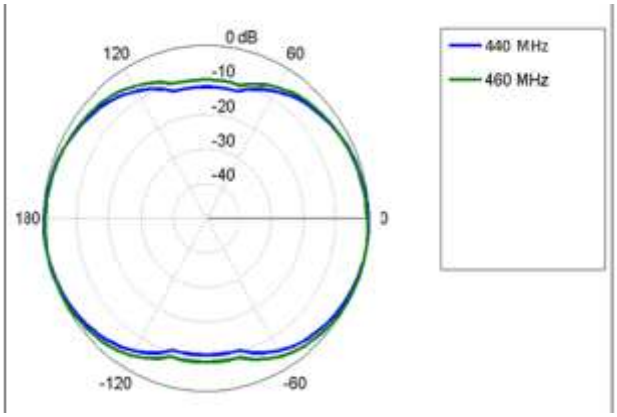


VSWR

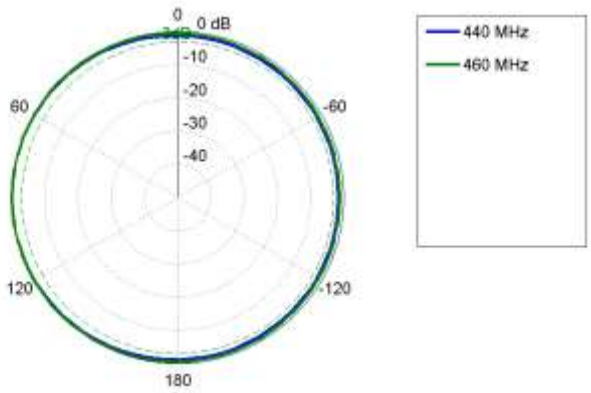


Gain

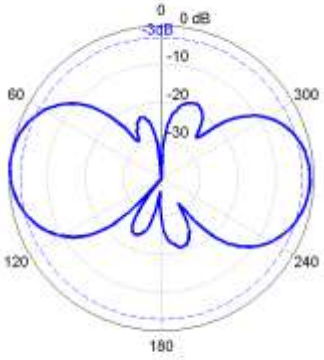
Radiation Pattern



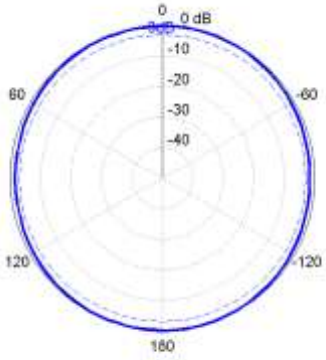
E-Plane 450 MHz



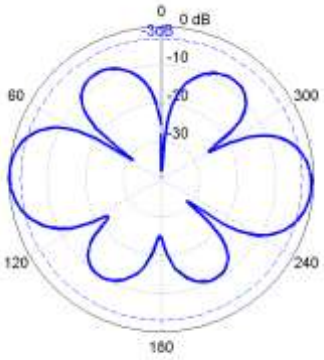
H-Plane 450 MHz



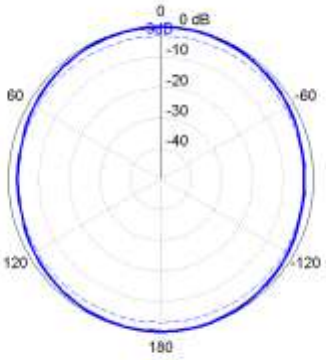
E-Plane 900 MHz



H-Plane 900 MHz



E-Plane 1800 MHz



H-Plane 1800 MHz