Cross Polarised High-Gain LTE MIMO Antenna

450 - 470, 790 - 860, 1710 - 2170 MHz Bands

Product Code: Poynting XPOL-A0016

The antenna Poynting XPOL-A0016 is a wideband dual polarised directional antenna.
Incorporating three separately fed wideband elements in a single housing, the antenna is equipped to provide client side MiMo and diversity support. The weatherproof housing is designed for mast and wall mounting. The antenna has 2 x 5 metres of low loss cable.

This is a cost effective value-added product for signal enhancement and ensuring higher throughputs and stable links for subscribers. The antenna will improve subscribers' user experience and increase client retention. It is ideal for any application using cellular networks (LTE/HSPA/3G/4G/EDGE/GPRS) up to 2170 MHz.

Features:
Wall or pole mount
Lightweight
Waterproof

Application Areas:
Cellular modems
Least cost routers
GSM customer premises equipment

Specifications:

Product Code:	Poynting XPOL-A0016
EAN:	6009693810143
Features:	5 m twin HDF 195 cable with SMA (m) connector, wall or pole mount

Electrical:

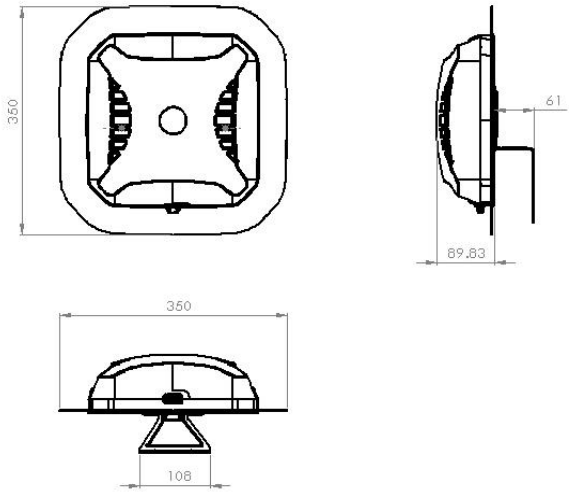
Frequency/Gain	
Gain @ 450-470 MHz	6.5 dBi
Gain @ 790-860 MHz	8 dBi
Gain @ 1710-2170 MHz	8 dBi
VSWR across operating bands	< 2.5:1
Feed power handling	10 W
Input impedance	50 Ohm (nominal)
Polarisation	+- 45°
Cable	2 x 5 m HDF 195
Connector	2 x SMA (m)
DC short	Yes

Mechanical:

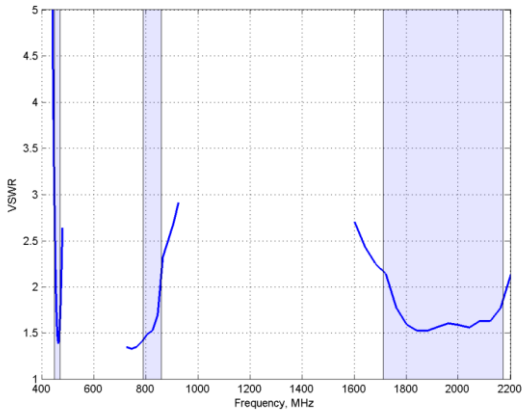
Mounting	Wall and pole mount Stainless steel bracket for up to 50 mm poles
Dimensions (l x w x h)	360 x 360 x 90 mm
Weight	2.38 kg
Radome Material	ABS (halogen free)
Flammability Rating	UL 94-V0
RoHS	Compliant

Environmental:

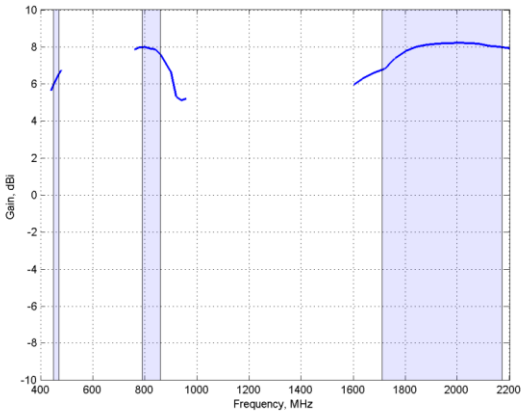
Wind Survival	<120 km/h
Operating Temperature	-40 to +70°C
Thermal Shock	-20°C to +70°C: 10 cycles
UV Specification	Minimum 7 years outdoor usage
Salt Spray	MIL-STD 810F
Relative Humidity	Up to 98%
Environmental Conditions	Outdoor/indoor
Water Ingress Rating	IP 65 (NEMA 4X)



VSWR and Gain

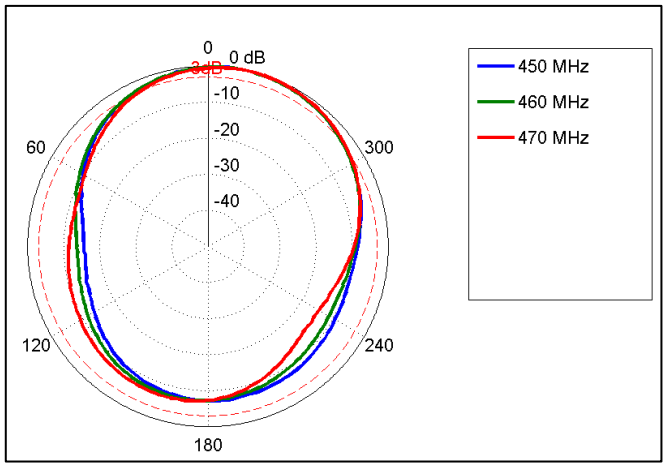


VSWR

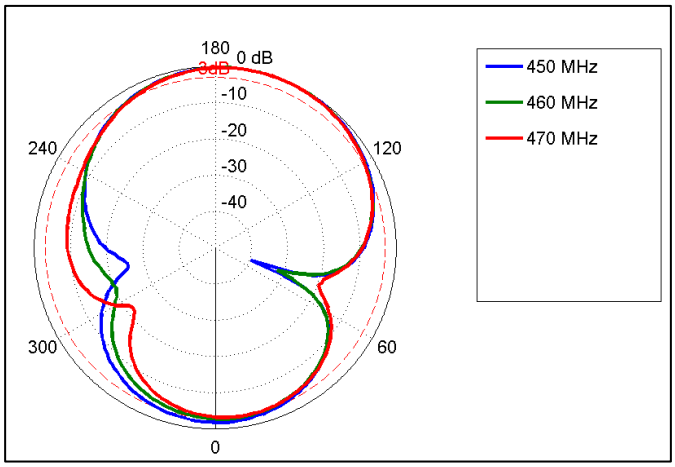


Gain (excluding cable loss)

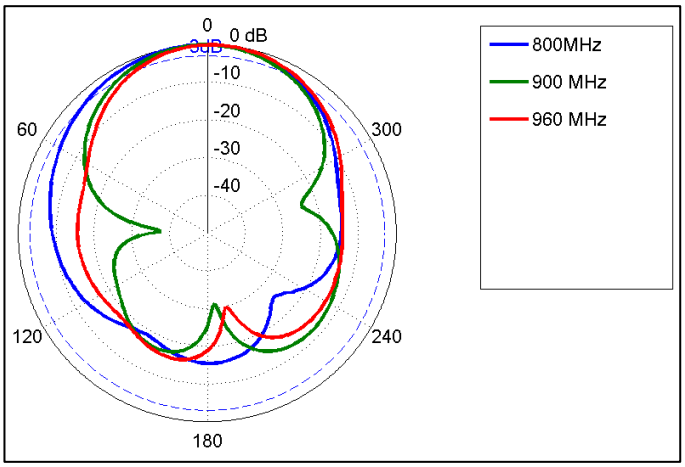
Radiation Pattern 450/900/1800 MHz



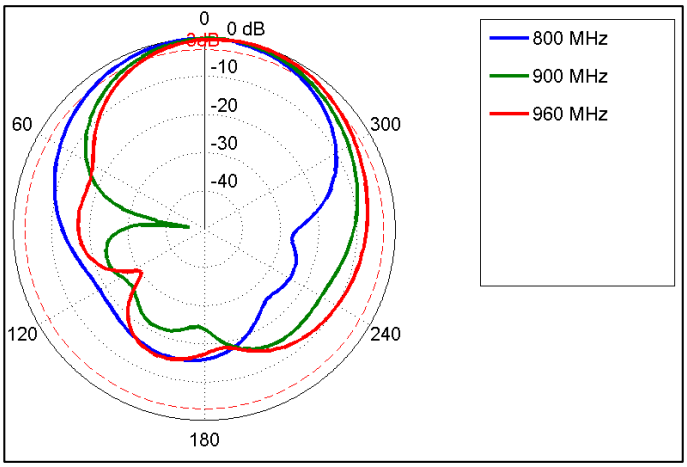
H-Plane 450 MHz



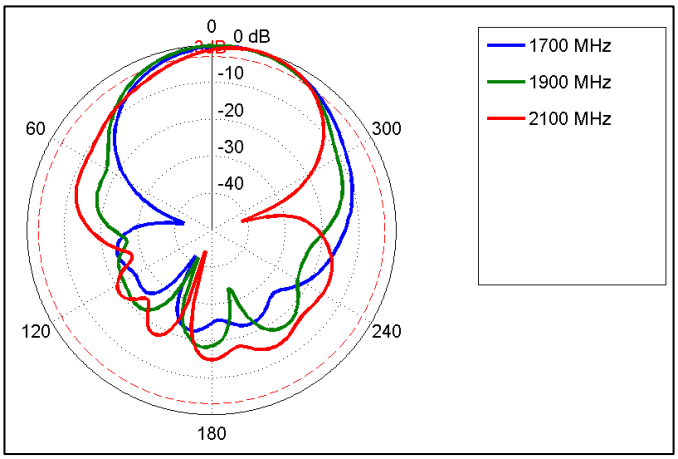
E-Plane 450 MHz



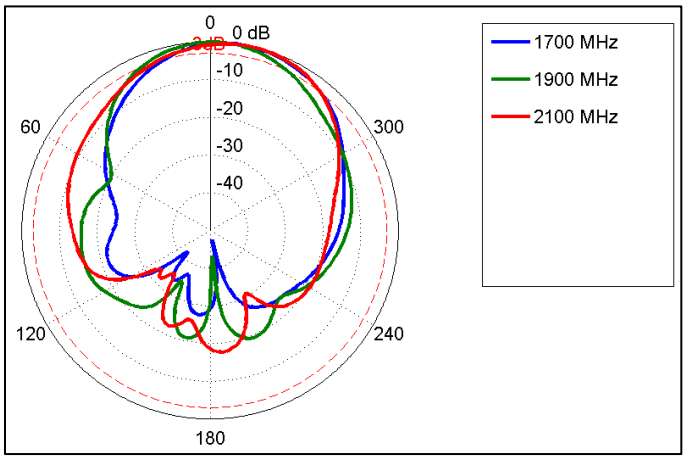
H-Plane 800 MHz



E-Plane 800 MHz



H-Plane 1800 MHz



E-Plane 1800 MHz