

LTE MIMO Antenna

LTE-XPOL-002-V2

650-2700 MHz



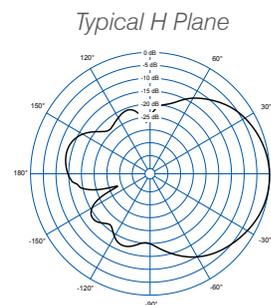
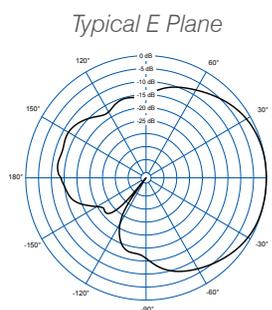
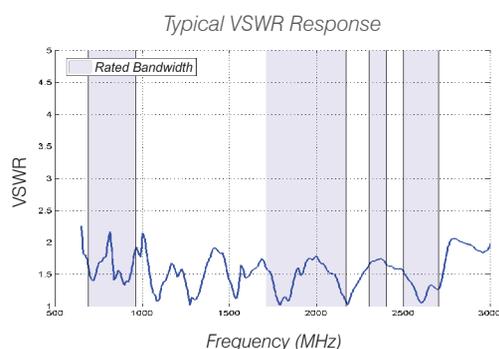
The LTE-XPOL-002-V2 directional LTE MIMO antenna provides an innovative, future proof solution for 4G/3G and 2G networks. It is ideal for those seeking increased signal and hence faster, more reliable data speeds on today's modern 4G networks. It features a dual polarised, full LTE band antenna incorporating two separately fed ultra wideband elements in a single housing. The antenna is equipped to provide MIMO and diversity support for the networks of today and tomorrow.

The weatherproof housing is designed for mast or wall mounting and is supplied with 2 x 10 metres of low loss RG58 cable terminated with SMA male connectors.



Features:

- Directional high gain
- Pole or wall mountable
- Waterproof (IP65)
- Lightweight



Electrical

Model Number	LTE-XPOL-002-V2		
	BAND 1	BAND 2	BAND 3
Nominal Gain <i>dBd</i> (dBi)	6.2(8.3)	4.8(6.9)	6.9(9.0)
Frequency <i>MHz</i>	650-960	1710-2170	2300-2700
Tuned Bandwidth <i>MHz</i>	Full band		
VSWR	<2.5:1		
Nominal Impedance Ω	50		
Vertical Beamwidth $^\circ$	70	100	80
Horizontal Beamwidth $^\circ$	60	165	55
Front to Back Ratio (dB)	11	7	12
Polarisation Isolation (dB)	15	18	20
Power <i>W</i>	5		

Mechanical

Model Number	LTE-XPOL-002-V2	
External Construction	Grey ABS	
Dimensions <i>mm</i>	260 (H) x 260 (W) x 95 (D)	
Weight <i>kg</i>	2.0	
Termination	10m of RG58 fitted with SMA (M) connector per feed	
Mounting Pole Diameter <i>mm</i>	20-50	
Projected area <i>cm²</i>	no ice	1041
	with ice	1165
Lateral (Thrust) @ 160km/h <i>N</i>	123	
Wind Gust Rating <i>km/h</i>	160	
Torque @ 160km/h <i>Nm</i>	17	
Water Ingress	IP65 (NEMA 4X)	
Temperature Range $^\circ$	-40 to +70	