

**LTE Omni Antenna (Dipole Structure)
698 to 960 / 1710 to 2170 / 2500 to 2690MHz**



RF Specification

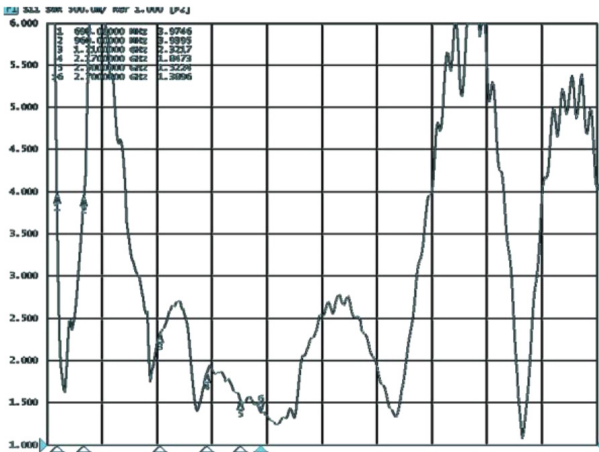


Frequency Range : 698MHz to 960MHz / 1710MHz to 2170MHz / 2500MHz to 2690MHz
 Polarization : Linear, Vertical
 HPBW / Horizontal : 360°
 HPBW / Vertical : 60°
 Peak Gain : 0.7dBi Max. / 3.8dBi Max. / 3.2dBi Max.
 Efficiency : 34% Min. / 47% Min. / 76% Min.
 VSWR : 4.0 Max.:1 / 2.6 Max.:1 / 2.0 Max.:1
 Power Handling : 2W (cw)
 Impedance : 50Ω
 Connector : SMA Plug/Joint with OD1.37mm to U.FL-LP-088

Environmental & Mechanical Characteristics

Temperature : -10°C to +55°C
 Humidity : 95% @ 55°C
 Antenna Housing Colour : White/Black
 Antenna Housing Material : PC (UL-94V0)
 IP Rating : IP67
 Weight : 16.1g
 Dimensions : 115mm(L) × 38.7mm(W) x 10mm(T)

VSWR 4.0max:1 / 3.0max.:1 / 2.0max.:1 for B12/B3/B7/B20



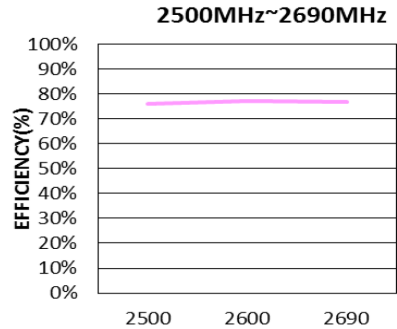
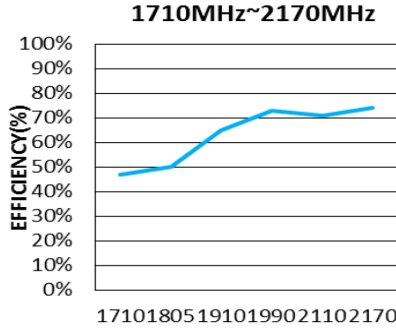
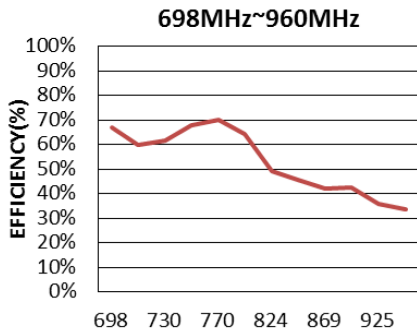
Passive Measurement: VSWR, Gain, Efficiency

Frequency (MHz)	690~960	1710~2170	2500~2690
VSWR	4.0 Max. : 1	2.6 Max. : 1	2.0 Max. : 1

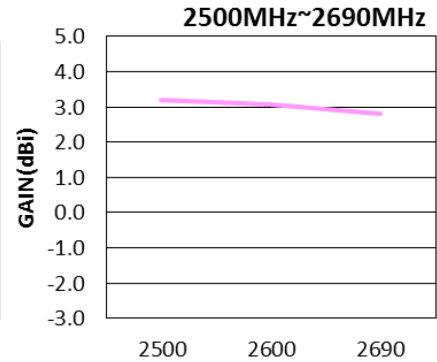
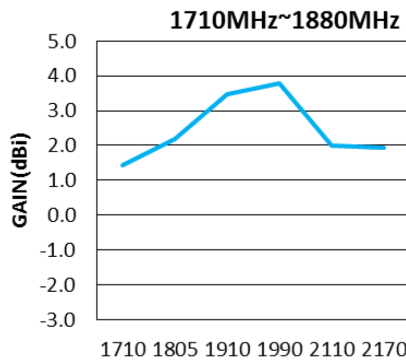
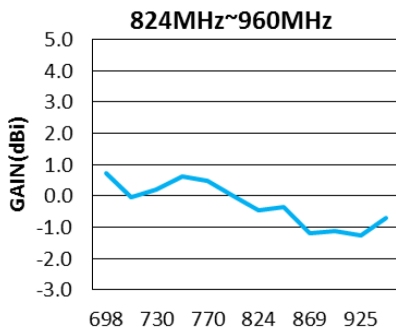


Summary

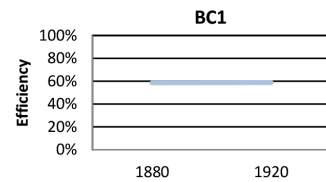
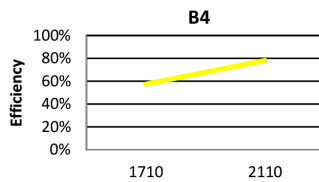
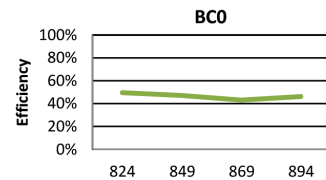
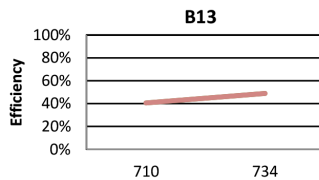
EFFICIENCY



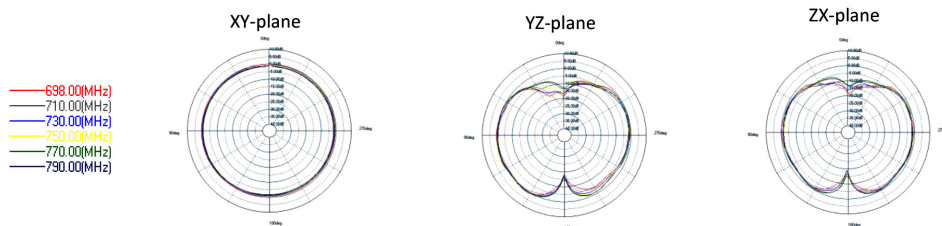
GAIN



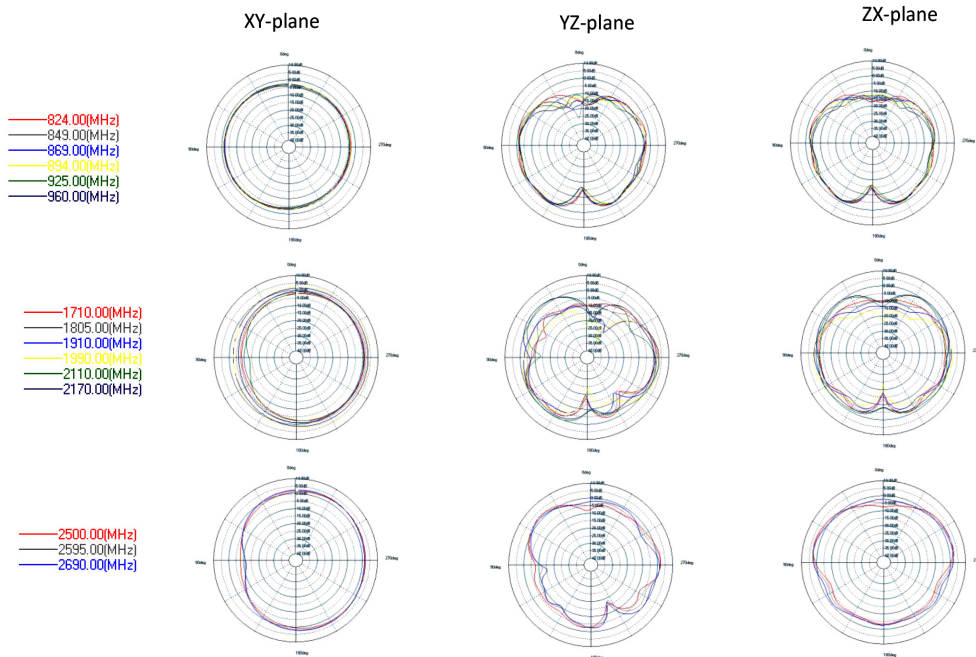
	Frequency (MHz)	3D		
		Efficiency	Avg. Gain	Peak Gain
B13	710	41%	-3.9	-2.3
B13	734	49%	-3.1	-0.1
BC0	824	50%	-3.0	0.4
BC0	849	47%	-3.3	0.7
BC0	869	43%	-3.7	0.3
BC0	894	46%	-3.4	-0.3
B4	1710	57%	-2.4	0.7
BC1	1880	58%	-2.3	0.9
BC1	1920	59%	-2.3	1.5
B4	2110	78%	-1.1	3.4



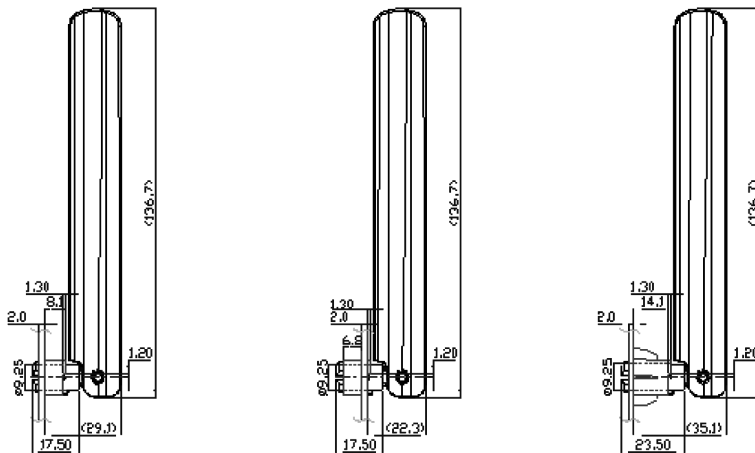
Radiation Patten



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Mating Dimension for Joint Type Antenna



Part Number Table

Description	Part Number
Omni-directional Antenna, 2.5GHz to 2.69GHz, 2 VSWR, 3.2dB Gain, SMA	MPOA-LTE-01-01-GTT

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