

LTE Omni Antenna (Dipole Structure)

698 to 960 / 1710 to 2170 / 2500 to 2690MHz

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PRO

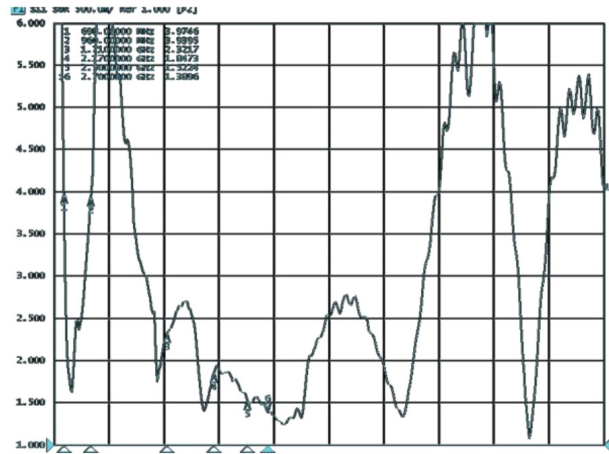
RF Specification

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

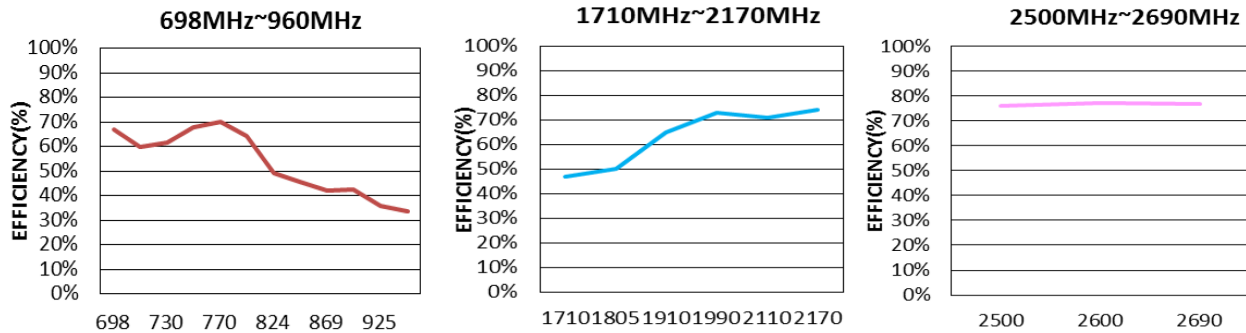


Passive Measurement: VSWR, Gain, Efficiency

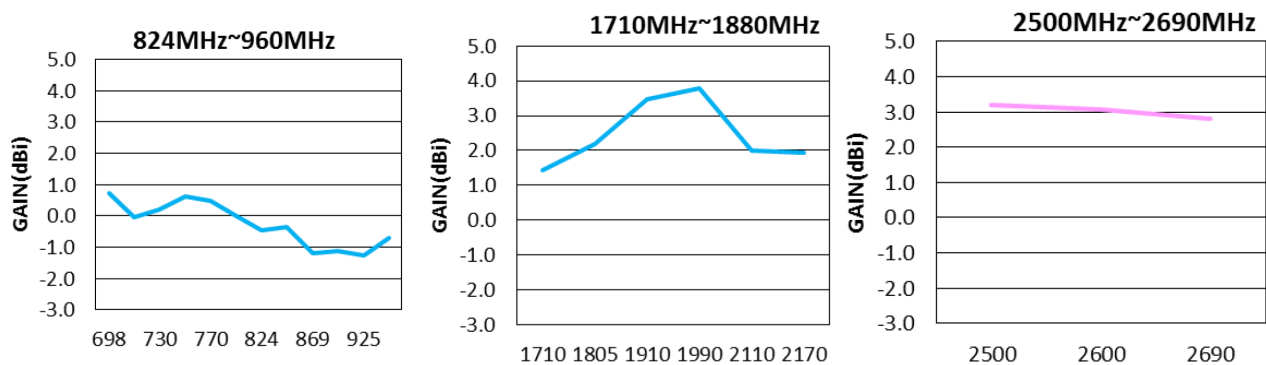
Frequency (MHz)	690~960	1710~2170	2500~2690
VSWR	4.0 Max. : 1	2.6 Max. : 1	2.0 Max. : 1

Summary

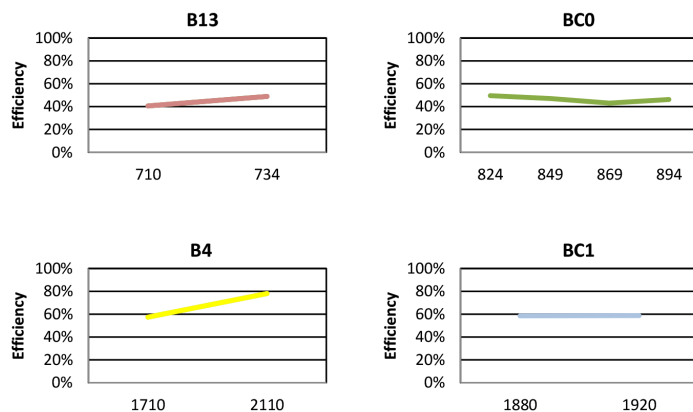
EFFICIENCY



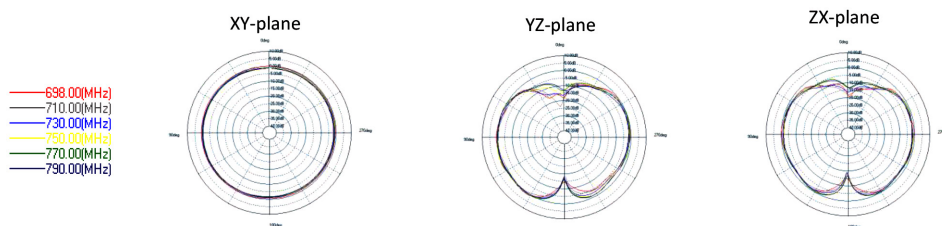
GAIN



	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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