



Your antenna design partner

**Indra Max**  
**Global LTE PCB Antenna**

**Datasheet**

# Indra Max Global LTE PCB Antenna

## Electrical Specifications

1. Frequency: 698-2700MHz
2. Impedance: 50Ω

## Equipment Used

1. ETS 8050 Antenna Anechoic Chamber
2. Keysite 5071C VNA (Radiation Pattern Measurement)
3. Agilent 5071C VNA (Return Loss measurement)



BAND	699/880/960	1700/1850/2170	2500
STANDARD	Cellular	Cellular	Cellular
Frequency (MHz)	698-960	1710-2170	2300-2700
VSWR	< 2.16	< 3.61	< 2.7
Return Loss (dB)	< -8.68	< -4.93	< -6.73
Peak Gain (dBi)	0.61	-0.07	0.02
Efficiency(%)	72.5	57.3	55.2
Radiation Properties	Omni-Directional		
Max. input power	5W		
Polarization	Linear		
Impedance(ohms)	50		

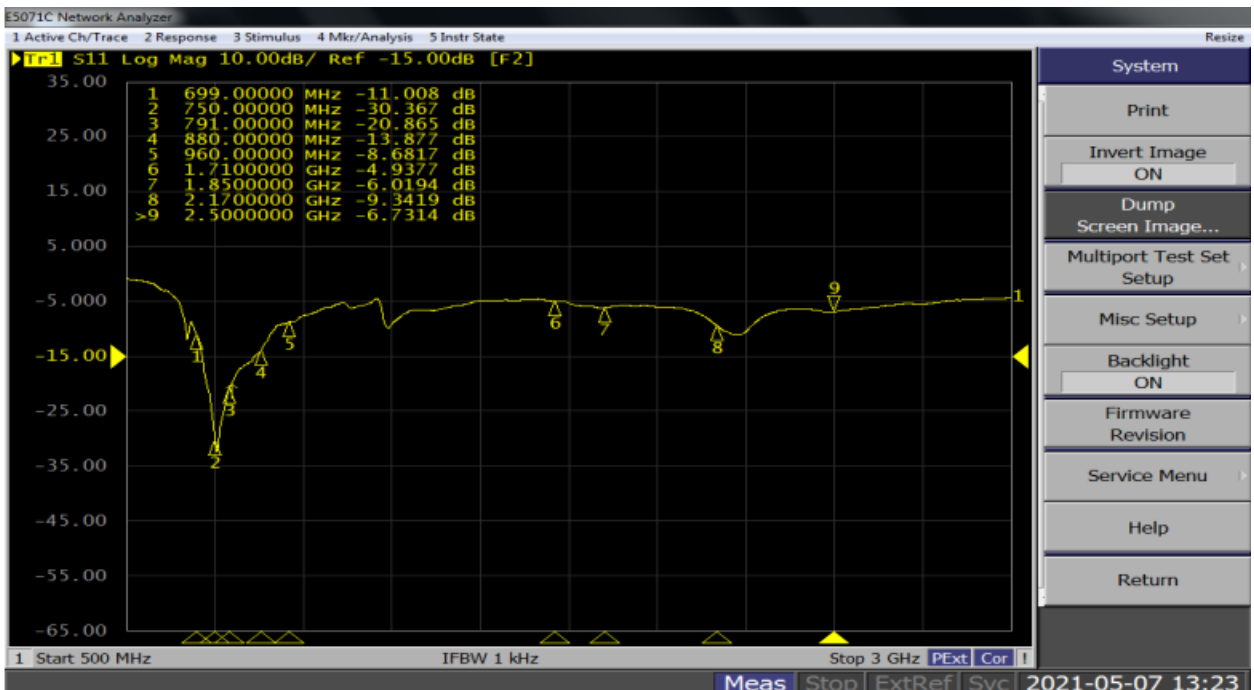
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## Features

1. Size of antenna 160\*50\*1.6mm
2. > 55% Efficiency on all bands
3. -0.07 dBi Peak Gain
4. Linear Polarization
5. Adhesive tape or glass mount

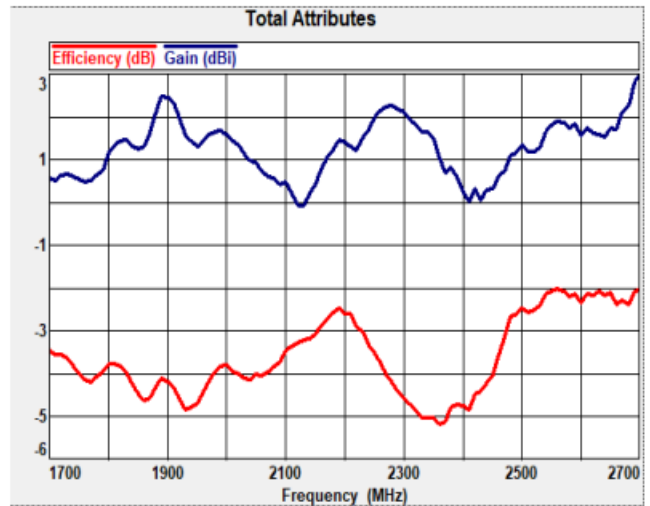
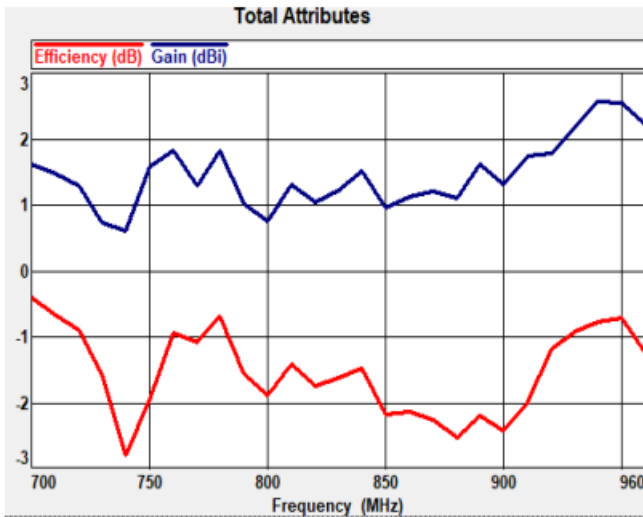
## Applications

1. Cellular IoT: LTE-M (Cat-M1) and NB- IoT
2. Worldwide LTE, UMTS and GSM
3. Low-power, wide-area (LPWA)
4. Smart Home networking
5. Sensing and remote monitoring
6. Internet of Things (IoT)



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## Efficiency



## Radiation Pattern

