



CoreloT 

Your antenna design partner

**LTE Wide Band pcb Antenna
698 – 2700 MHz**



Datasheet

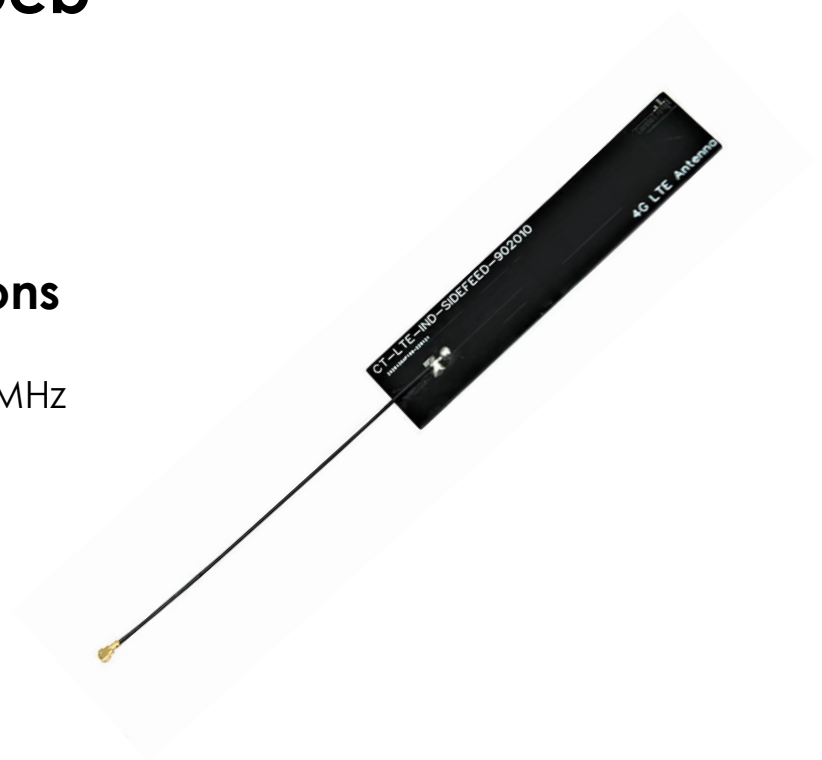
LTE Wide Band pcb Antenna 698 – 2700 MHz

Electrical Specifications

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

Applications

1. All Cellular
2. 2.4GHz
3. Wi-Fi
4. ISM
5. AGPS



BAND	700/850/9 00	1700/1800/19 00	2100	2400	2600
STANDARD	CELLULAR	CELLULAR	CELLULAR	ISM	CELLULAR
Frequency(M Hz)	698 - 960	1710 - 1990	1755 - 2170	2400 - 2500	2500 - 2690
Max. VSWR	≤8.23:1	≤4.21:1	≤5:1	≤1.8:1	≤3.3:1
Max. Return loss (dB)	≥2.12	≥4.2	≥3.52	≥10.44	≥5.4
Peak gain(dBi)	≥-6.44	≥-0.66	≥-1.05	≥ 1.30	≥ 1.99
Efficiency(%)	≥10	≥30	≥30	≥58	≥67
Radiation properties	Omni Directional				
Max. input power	2W				
Polarization	Linear				
Impedance(ohms)	50 ohms				

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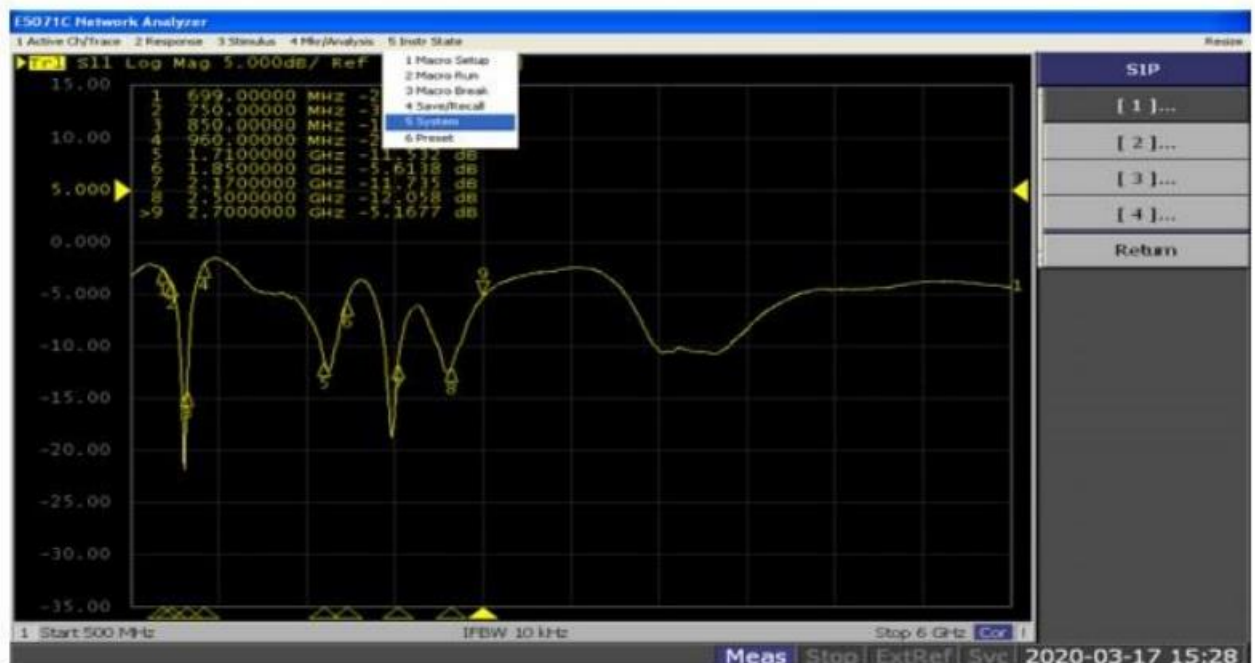
Equipment Used

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

Features

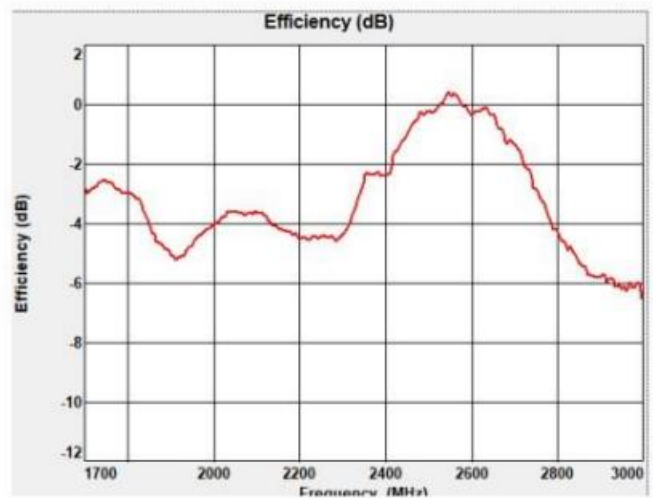
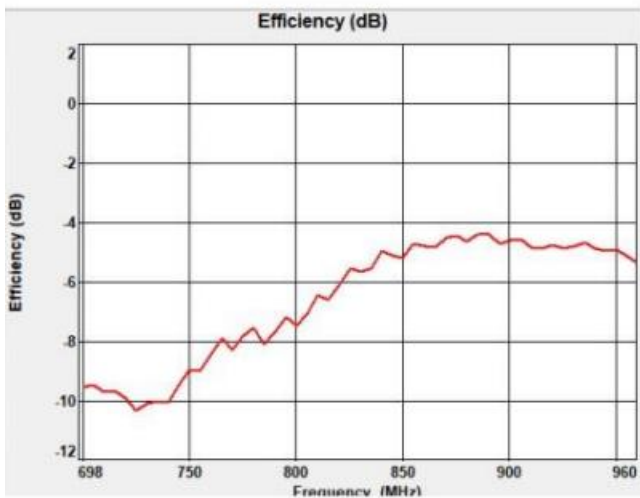
1. Ground plane Independent
2. 698 – 2700 MHz
3. >10% Efficiency on All bands
4. -6.44 dBi Peak Gain
5. 98*20*1 mm size
6. Adhesive Tape/Glass Mount Design
7. IPEX MHFI, UFL Compatible

Return Loss



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Efficiency



Radiation Pattern

