

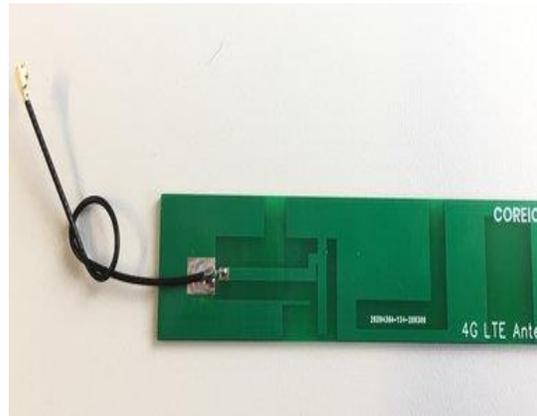
LTE Wide Band Antenna 698MHz -2700 MHz

Features

- Ground plane Independent
- 698 - 2700 MHz
- >10% Efficiency on All bands
- -6.44 dBi Peak Gain
- 98*20*1 mm size
- AdhesiveTape/Glass Mount Design
- IPEX MHFI, UFL Compatible

Applications

- All Cellular
- 2.4GHz
- Wi-Fi
- ISM
- AGPS



Electrical Specification

- Frequency: 698 - 2700 MHz
- Impedance: 50 Ω

Equipment Used

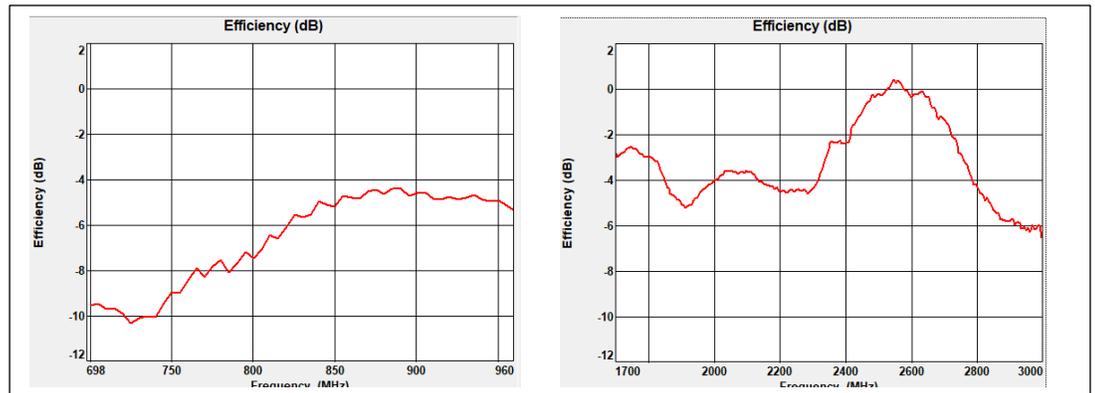
- ETS 8050 Antenna Anechoic Chamber
- Keysite 5071C VNA (Radiation Pattern Measurement)
- Agilent 5071C VNA (Return Loss Measurement)

BAND	700/850/900	1700/1800/1900	2100	2400	2600
STANDARD	CELLULAR	CELLULAR	CELLULAR	ISM	CELLULAR
Frequency(mhz)	698 - 960	1710 - 1990	1755 - 2170	2400 - 2500	2500 - 2690
Max. VSWR	$\leq 8.23:1$	$\leq 4.21:1$	$\leq 5:1$	$\leq 1.8:1$	$\leq 3.3:1$
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				
Impedence(ohms)	50 ohm				

Return loss



Efficiency



Radiation Pattern

