

Product Description

Santa Fe LE-P1 is a sealed omni-directional LTE antenna, which covers all cellular 2G, 3G and 4G bands worldwide. With double-side adhesive tape, the industrial low-profile FR4 antenna is easy to mount on devices such as vehicles, vending machine, and M2M applications with LTE-enabled routers, gateways, and smart meters. Standard cable is RG-137 ended with i-Pex while RG-174 or other coaxial RF cables terminated with proper connectors are available.

Highlight

Support cellular 4G bands worldwide
Low-profile easy to mount

LE-P1

Multiband LTE PCB Antenna: FR4 Industrial Cellular 4G Wideband Antenna



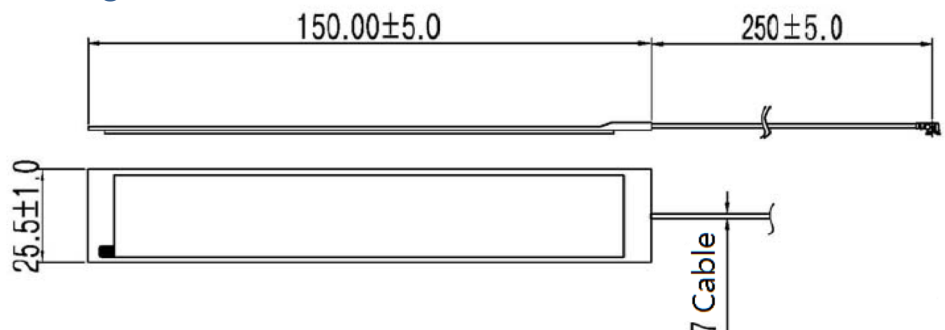
Electrical Specifications

Frequency	698 ~ 960 MHz & 1710 ~ 2690 MHz
Gain (Peak)	3.78 dBi (6" cable)
VSWR	≤ 2.0
Polarization	Vertical
Impedance	50 Ω

Mechanical Specifications

Dimension	150(L) x 25.5(W) mm
Connector	i-Pex
Cable	OD-137
Mounting	Double-side adhesive
Operation Temperature	-30° ~ +70°C
Storage Temperature	-30° ~ +75°C
RoHS	Compliant

Drawing

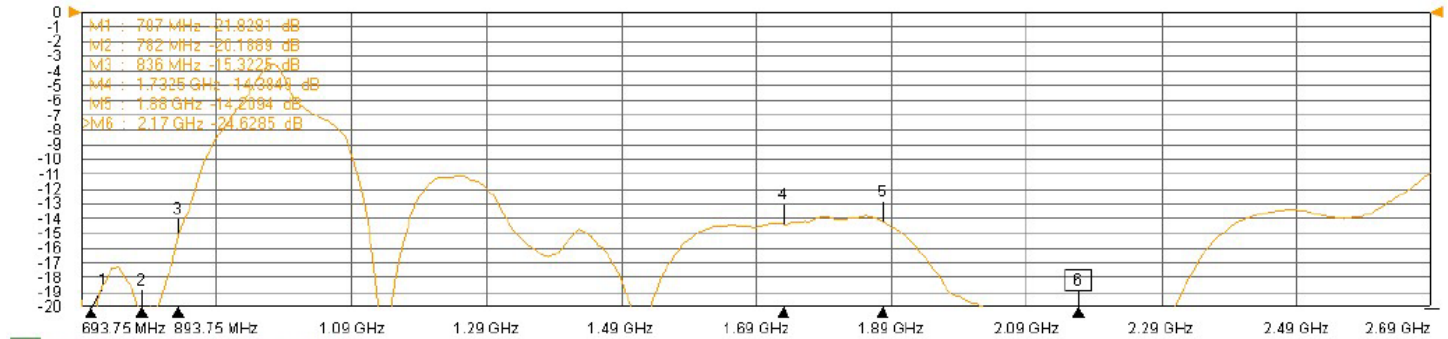


Tape Mount 4G Low Profile Antenna

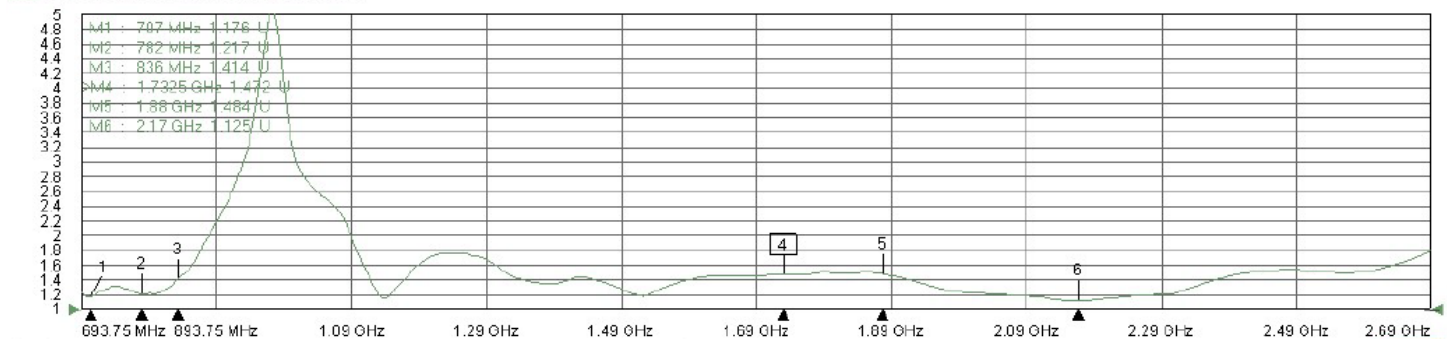
VSWR & Return Loss

Measured by 20cm 1.37 with IPEX connector terminated

Tr1 S11 RefLagM RefLvl: 0 dB Res: 1 dB/Div



Tr2 S11 RefLagM RefLvl: 1 U Res: 200 mV/Div



Antenna Gain

Frequency	704	734	746	766	787	824	868	880	915
Efficiency	69.88	66.41	65.03	64.38	70.14	58.37	56.62	55.93	55.37
Gain	2.71	2.50	2.38	2.11	2.33	1.75	2.37	2.59	3.10

Frequency	960	1710	1733	1755	1785	1805	1850	1880	1920
Efficiency	56.06	80.47	80.15	77.04	70.16	68.62	70.92	74.05	71.98
Gain	3.28	3.87	3.78	3.50	2.93	2.70	3.05	3.45	3.39

Frequency	1990	2110	2133	2155	2300	2400	2570	2620	2690
Efficiency	75.35	77.55	75.82	74.56	95.79	76.18	81.85	72.15	73.28
Gain	2.32	2.12	1.87	1.53	1.95	1.60	2.18	2.51	2.49

Radiation Pattern

LE-PI
FE



SANTA

Tape Mount 4G Low Profile Antenna

