

STF-LTE-004 LTE Magnet Mount Antenna



Product Description

STF-LTE-004 is an ABS plastic housed LTE antenna, which the cellular coverage could be fell back to support 2G & 3G. This antenna is with magnetic base and can be mounted on any of vehicle top, trailer, truck, windows, etc. The antenna is very suitable and reliable to be used for any industrial applications that need to transmit the data to the terminal center and backend server. The standard cable is RG-174 with SMA straight plug connector. Other RF connectors are optional.

Highlight

- Support worldwide 4G carrier
- Magnetic base
- 3M adhesive tape is optional
- RoHS Compliant

Contact Information

E-mail info@stftechs.com
 Phone Number **+886-2-8678-2152**
 Fax Number **+886-2-2679-3577**
 Website www.stftechs.com

Antenna Electrical Specification

Antenna Frequency	704~960MHz; 1710MHz~2690MHz
Gain (Peak)	1.90 dBi @ 704~960MHz* 1.34 dBi @ 1710~2690MHz* *Tested by a 4"(1.25m) cable
VSWR	< 2.5
Impedance	50Ω
Polarization	Linear

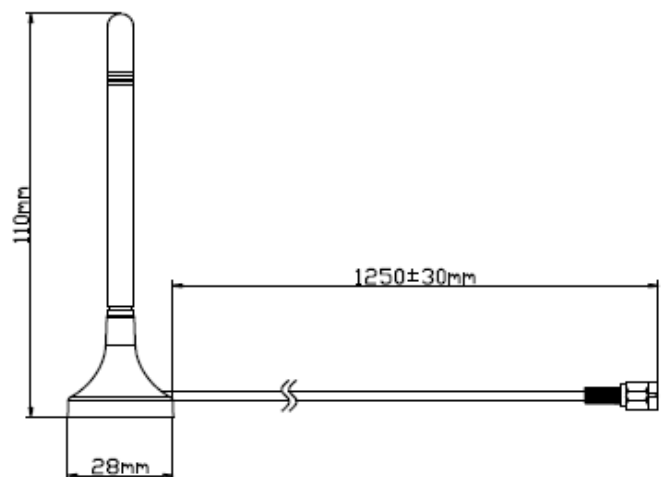
Antenna Mechanical Specification

Dimension	110(L) x Ø 28(Dia.) mm
Connector	SMA straight plug
Cable	RG-174
Radom Material	ABS
Color	Black
Mounting	Magnet base

Environment Data

Operation Temperature	-40°C ~ + 85°C
Relative Humidity	Up to 95%
Waterproof Rating	IP67
RoHS	Compliant

Antenna Drawing



*Other length is optional

Antenna Testing

Testing Place **CTIA Authorized Anechoic Chamber**

Testing Environment **Free Space**



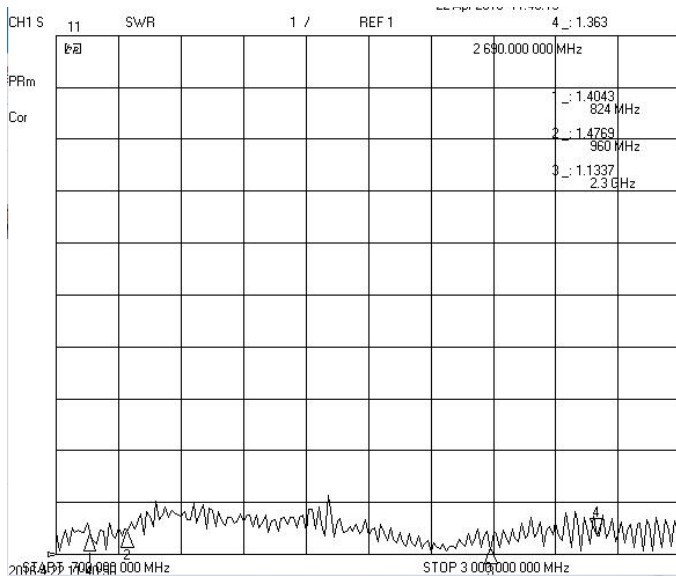
Electrical Measurement

Frequency	704	734	746	766	787	824	868	880	915
Efficiency (%)	42.10	43.16	40.85	42.22	41.21	43.83	64.27	67.04	64.02
Peak Gain (dBi)	0.10	0.11	-0.04	0.21	-0.15	-0.20	1.52	1.80	1.90

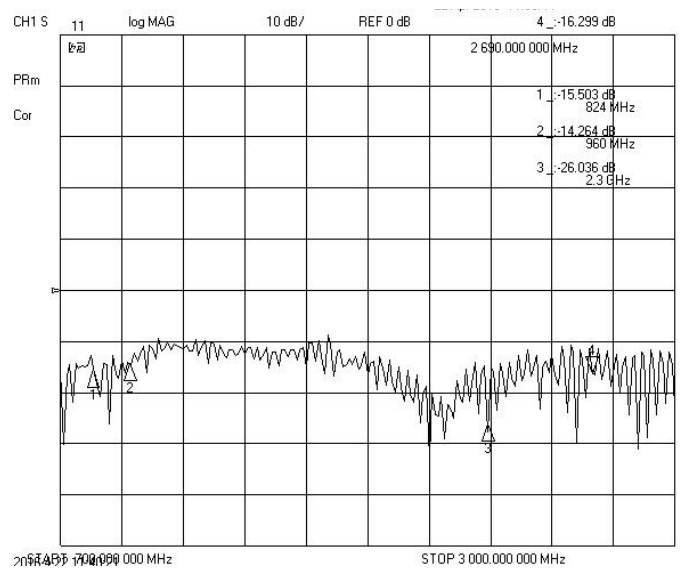
Frequency	1710	1733	1755	1785	1805	1850	1880	1920	1990
Efficiency (%)	41.83	41.81	44.41	40.63	45.94	43.37	44.81	48.20	43.03
Peak Gain (dBi)	-0.29	-0.82	-0.84	-0.88	-0.02	-0.93	-0.86	-0.21	-0.21

Frequency	2110	2133	2155	2300	2400	2500	2570	2620	2690
Efficiency (%)	60.87	59.13	56.74	46.96	48.55	34.31	34.23	36.23	35.98
Peak Gain (dBi)	1.34	1.00	0.87	1.22	1.18	-0.47	0.04	0.19	0.44

Antenna VSWR & Return Loss



VSWR Curve



Return Loss Curve