



东莞市一佳电子通讯科技有限公司

Dongguan YiJia Electronics Communication Technology Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL

日期 2020/09/21
Date

编号 20092101
File No

版本 1.0
Revision

客户

CUSTOMER: Xiamen CHEERZING IOT Technology Co., Ltd

客户料号

CUSTOMER NO:

品 名

4G Antenna

PART NAME:

供方料号

YJ105T.100001.T01

SUPPLIER NO:

送样日期Date:

送样数量Q “TY:

客户确认CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

供方确认 SUPPLIER SIGNATURE



CHECK

DESIGN

WenXue

ChenXingcheng

YJ-RD-F04-A

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RoHS
Compatible

CUSTOMER
PART NO

REV.

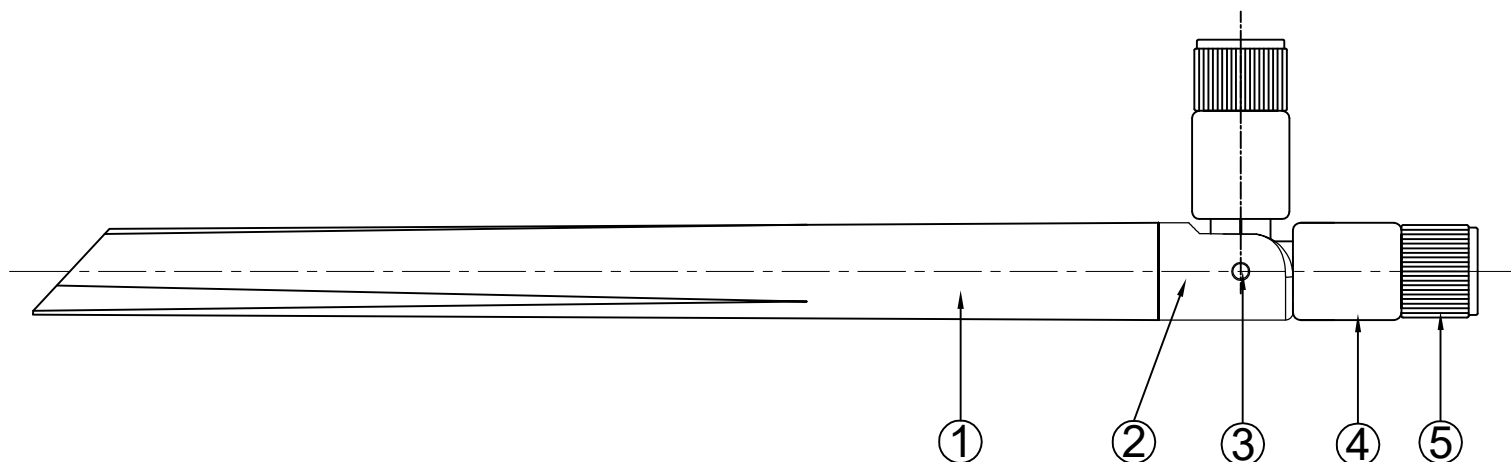
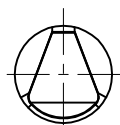
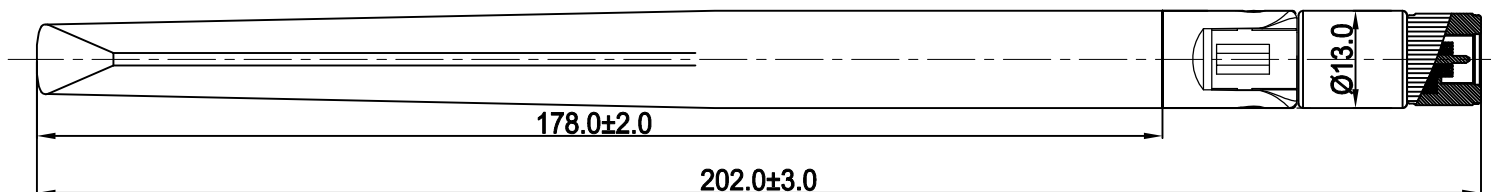


DESCRIPTION

首次发行

DATE

2017.06.19



5	SMA Male	Cu Black	
4	Bottom Base	PC, Color:Black	1
3	Hinge Pin	POM Black	1
2	Upper Base	PC,Color:Black	1
1	Antenna Cap	TPE,Color:Black	1
NO	PART NAME	DESCRIPTION	Q.TY



东莞市国旭电子通讯有限公司

GuoXu Dongguan GuoXu Electronics Communication Co.,Ltd.

Tel :0769-85535057

Fax:0769-81664308

PART NAME: LTE Antenna

PART NO.: YJ105T.100001.T01

DATE: 2017-06-19

APPROVED BY

CHECKED BY

DESIGNED BY

陈兴成



UNITS: mm

SCALE: 1/1

REVISION: A

Tolerance
X.X ±0.50
X.XX±0.15
X° ±3°



天线规格

Antenna Specification

Electrical Properties

Frequency	824-960MHz 1710-2690MHz
Impedance	50 Ohm Nominal
V.S.W.R	2.5 Max @824-960MHz 2.0 Max@1710-2690MHz
Gain	3.3dBi@824-960MHz 3.2dBi@1710-2690MHz
Radiation	Omni-directional
Polarization	Linear
Power Limitation	50W

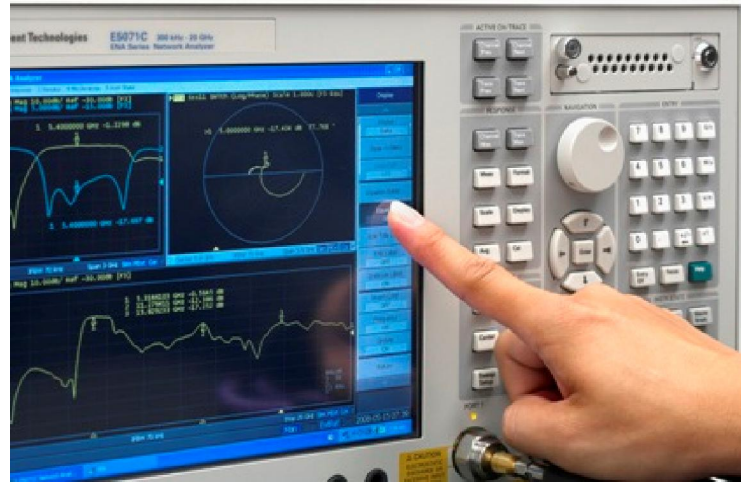
Physical Properties

Connector	SMA Male
Cable Type	None
Cable Length	None
Cable Color	None
Operating Temp.	-40 ~ +85 °C
Storage Temp.	-40~ +85 °C

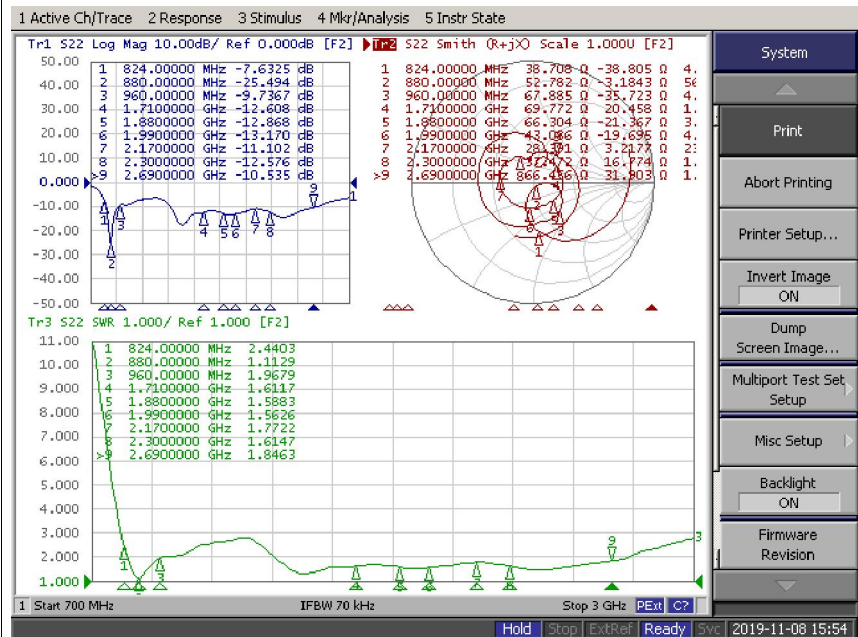


Antenna Performance Test

**Agilent
E5071B**

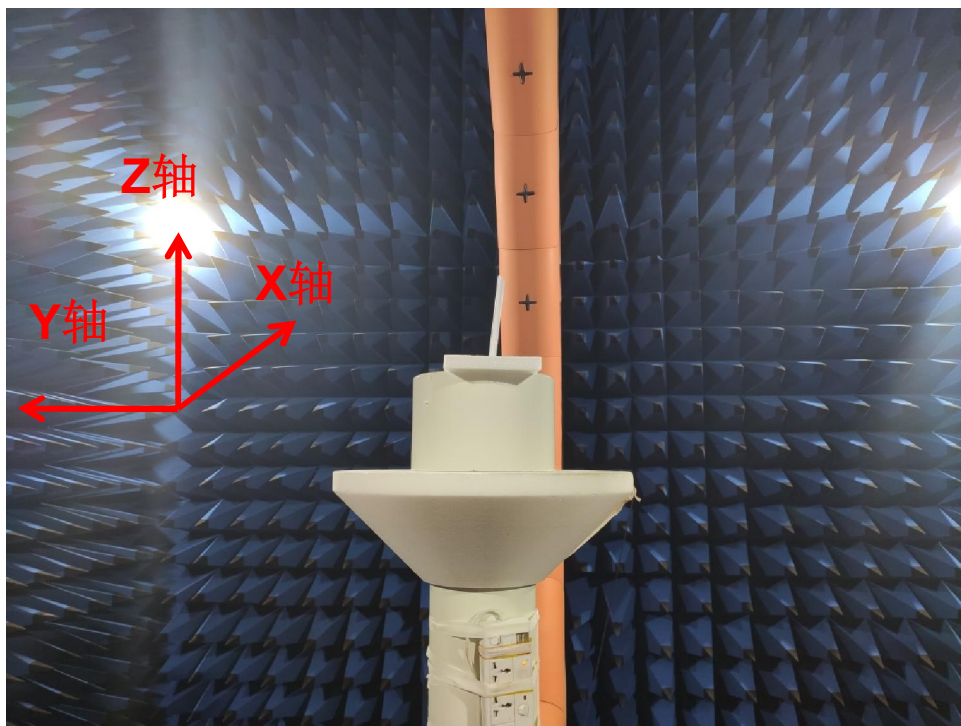
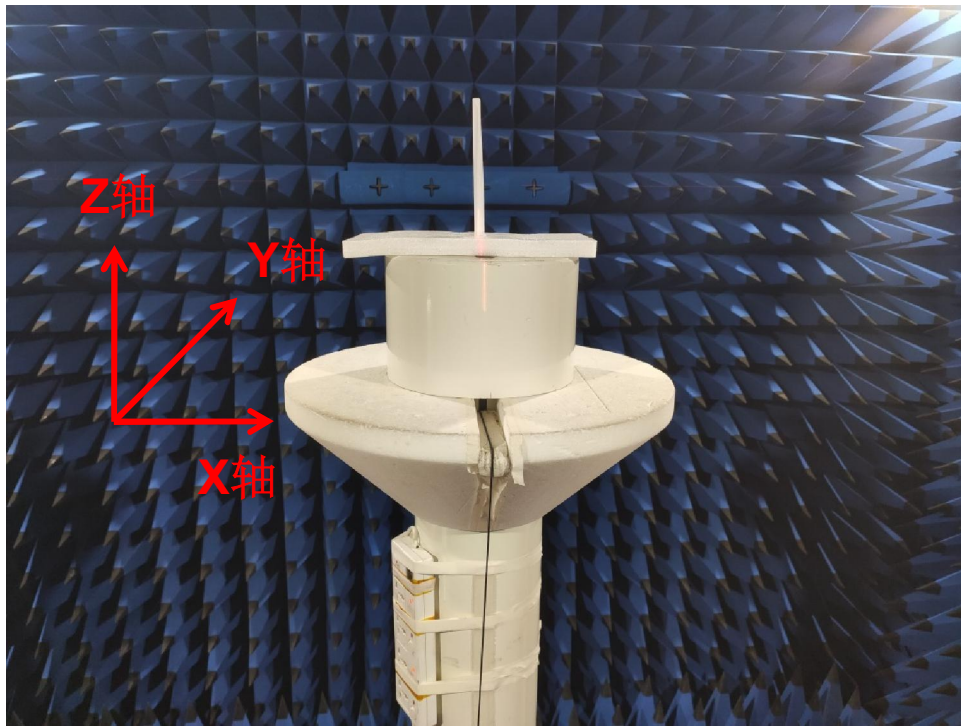


**S
Parameter
Test //
LTE**





Antenna Passive Test





Passive Test For LTE			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
820	56.9	-2.5	1.7
830	58.3	-2.3	2.0
840	56.9	-2.5	2.5
850	53.0	-2.8	2.4
860	47.9	-3.2	2.5
870	41.5	-3.8	3.1
880	41.4	-3.8	3.3
890	42.8	-3.7	3.1
900	44.0	-3.6	2.2
910	45.8	-3.4	2.1
920	48.0	-3.2	2.1
930	48.1	-3.2	2.2
940	45.2	-3.5	2.1
950	44.6	-3.5	2.0
960	40.9	-3.9	2.0



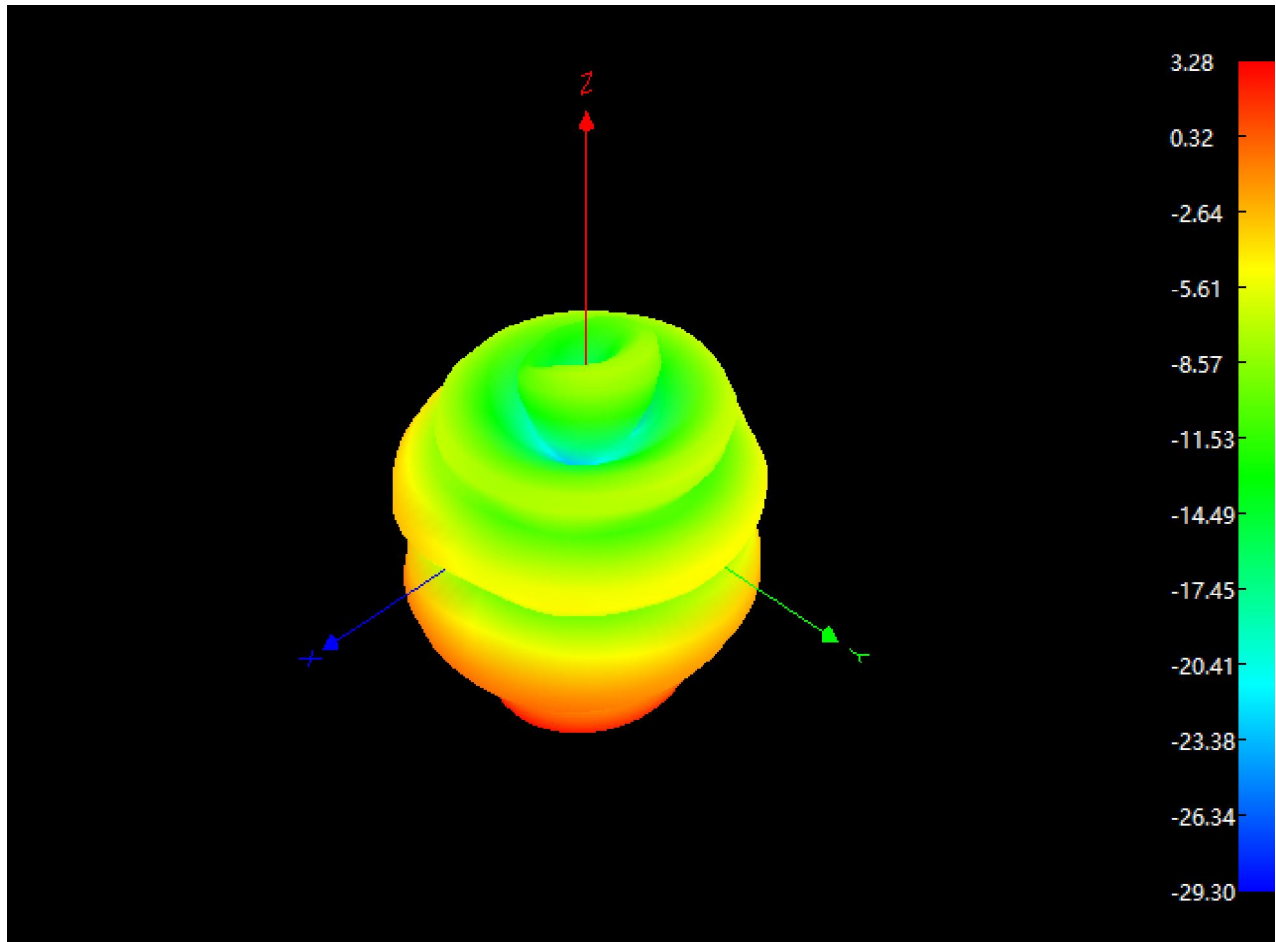
Passive Test For LTE			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
1700	33.2	-4.8	3.2
1740	35.5	-4.5	3.0
1780	40.5	-3.9	3.0
1820	46.1	-3.4	3.0
1860	58.1	-2.4	3.9
1900	56.0	-2.5	2.1
1940	61.9	-2.1	2.0
1980	62.8	-2.0	2.0
2020	59.6	-2.3	1.8
2060	58.5	-2.3	2.6
2100	56.6	-2.5	3.1
2140	57.0	-2.4	3.0
2180	53.3	-2.7	2.1



Passive Test For LTE			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2300	49.7	-3.0	1.0
2340	45.2	-3.5	0.1
2380	48.5	-3.1	0.4
2420	51.6	-2.9	0.4
2460	45.3	-3.4	0.1
2500	45.8	-3.4	-0.2
2540	46.1	-3.4	-0.1
2580	44.6	-3.5	0.5
2620	40.5	-3.9	-0.3
2660	40.4	-3.9	0.0
2700	40.3	-3.9	-0.1

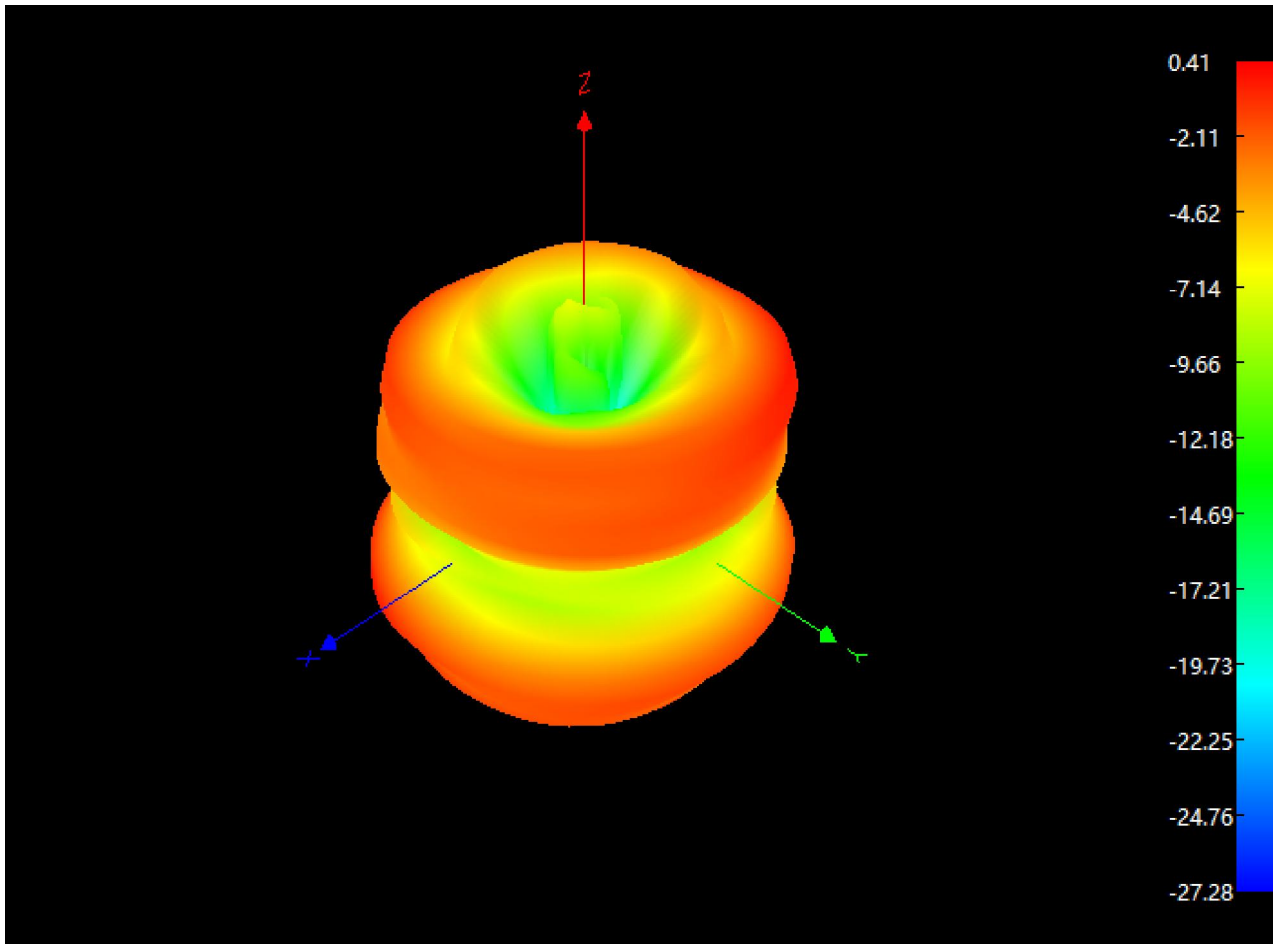


Radiation Pattern For LTE(880MHz)





Radiation Pattern For LTE(2420MHz)





Antennal TE



