



Antenna Specifications

承 认 书

CUSTOMER 客户			
CS P/N 项目名		AT-268	
P/N 编号		TX165	
Checked by(RF)	Checkedby(QA)	Approval led by	Date
魏小生 Xiaosheng Wei	林名 Ming Lin	陈文东 Wendong Chen	<u>20260614</u>
Customer Approval 客户确认			



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1.Specifications

This report mainly provides the testing conditions of various electric and structural performance parameters for cell phone antenna AT-268 Figure 2-1 shows the antenna designed by SW & The fixturing of TX-165

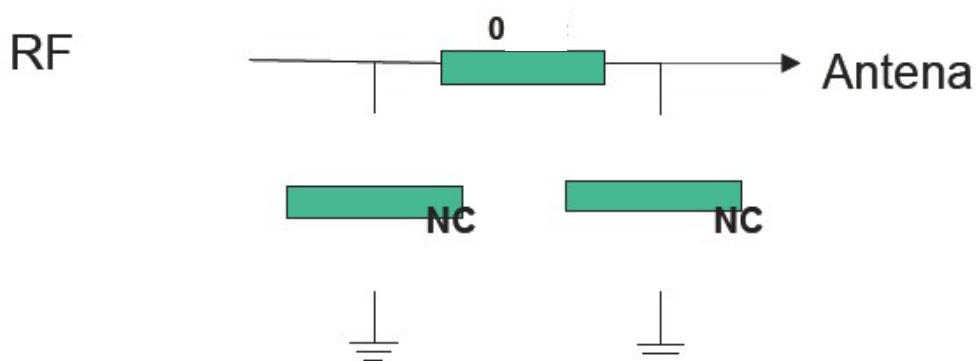
2.Impedance

2.1Nominal

Nominal Impedance(including matching circuit) : 50 ohms

2.2Matching Circuit

The matching circuit is as Figure 2-2.



3. Active Measurements

Active Measurements Data

Total Radiated Power (TRP) and Total Isotropic Sensitivity (TIS) of the handsets with antenna are tested in the antenna chambers .

hamber Test Data



Antenna gain

Standard	Band	Gain(dBi)
LTE	B2	0.88
LTE	B3	0.53
LTE	B4	0.55
LTE	B5	-0.26
LTE	B7	1.28
LTE	B8	0.51
LTE	B28	-1.12
LTE	B66	0.62

4G anechoic chamber test

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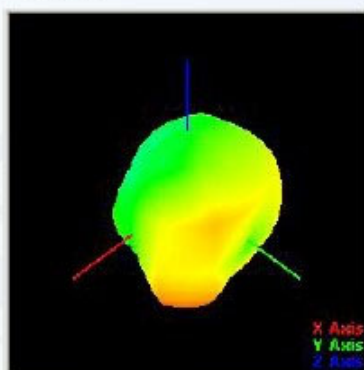
Email: tianquan@jiaxin-antenna.com



4G	Channel	TRP (dBm)	TIS (dBm)
LTE-2	L	20.8	
	M	19.9	
	H	20.1	-99.9
LTE-3	L	19.8	
	M	20.0	
	H	19.5	-94.5
LTE-4	L	20.5	
	M	20.1	
	H	20.5	-96.9
LTE-5	L	17.7	
	M	18.9	
	H	18.1	-94.1

4G	Channel	TRP (dBm)	TIS (dBm)
LTE-7	L	19.8	
	M	18.3	
	H	18.5	-94.5
LTE-8	L	19.8	
	M	18.1	
	H	18.4	-92.7
LTE-28	L	18.0	
	M	15.6	
	H	16.1	-99.8
LTE-66	L	19.9	
	M	20.3	
	H	19.1	-94.6

700MHz



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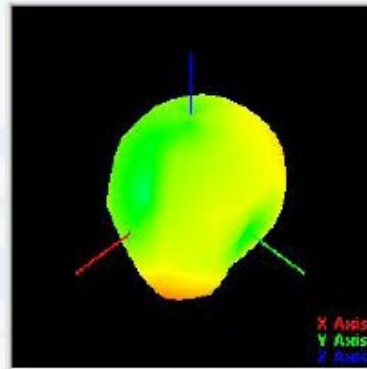
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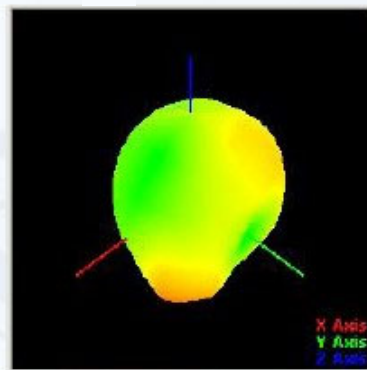


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800MHz



900MHz



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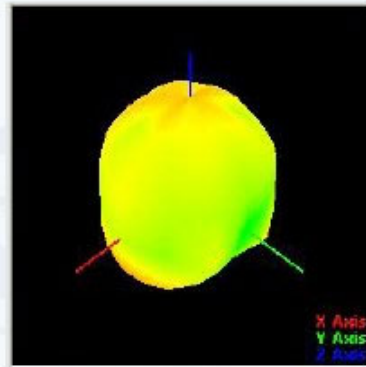
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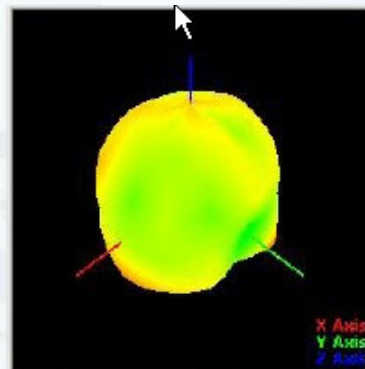


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1700MHz



1800 MHz



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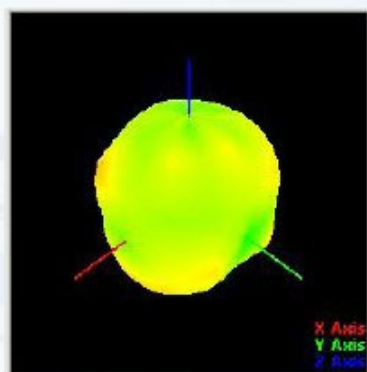
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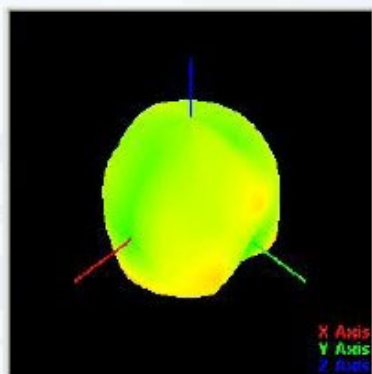


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1900 MHz



2100MHz



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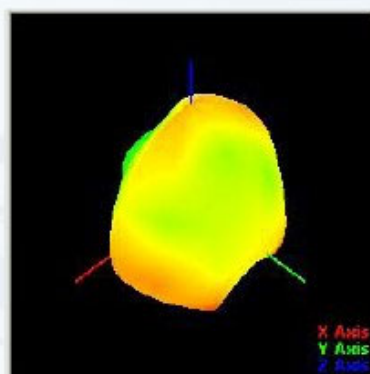
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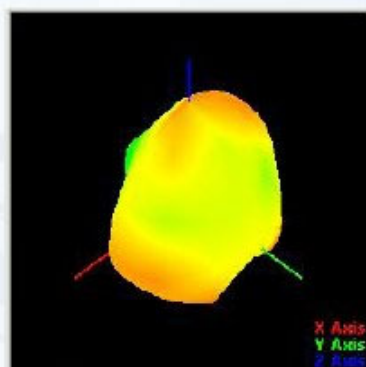


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2300 MHz



2600 MHz



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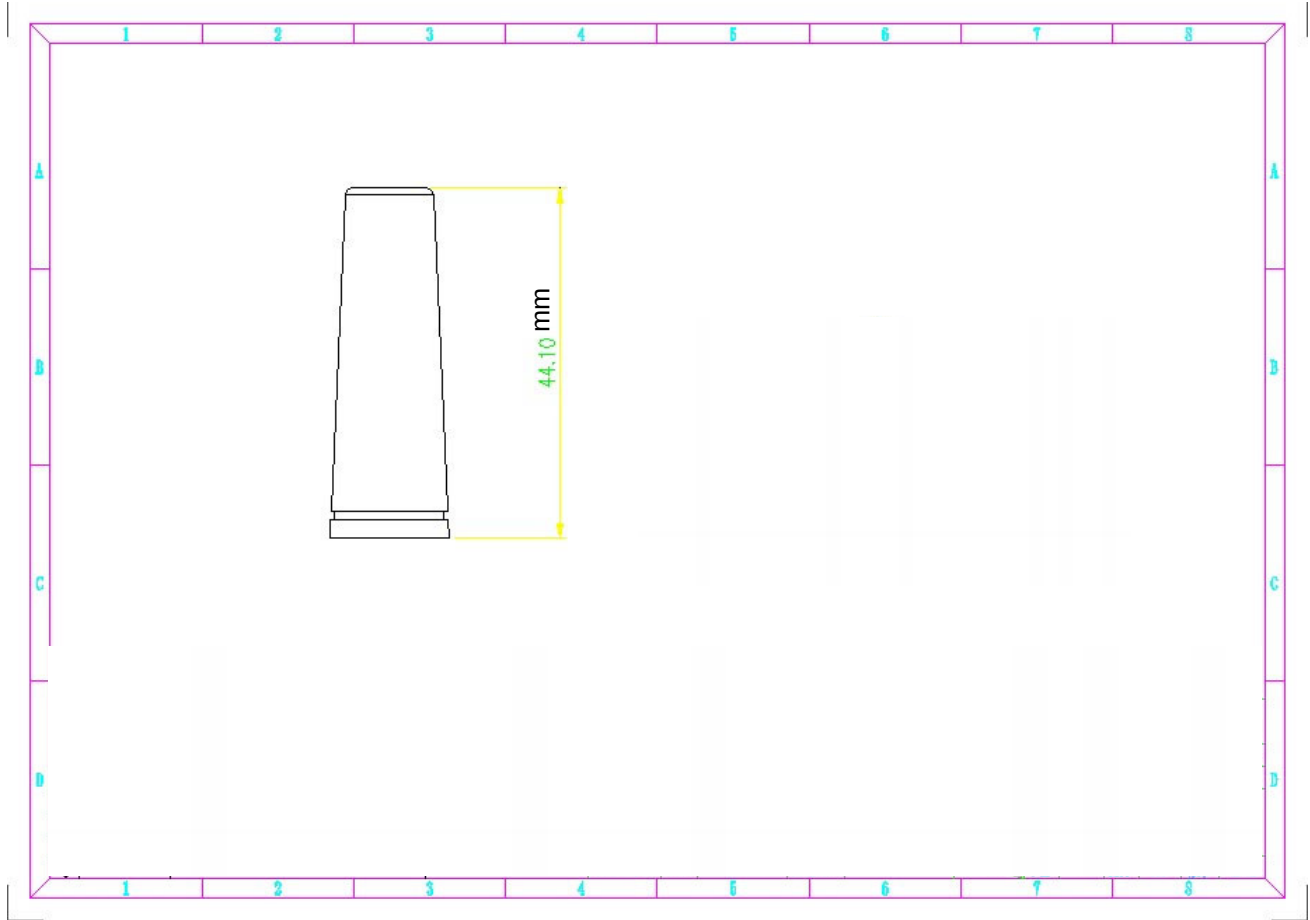
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4 Mechanical Properties





5. Environmental Characteristic

Test Item	Test description
1. Low Temperature	Temp.: -20 °C Time: 24 hours
2. High Temperature	Temp.: 80°C Time: 24 hours
3. Salt Fog	5±0.1% Nad salt fog PH Value: 6.5-7.2 Temp: 35±1°C Time:24 hours