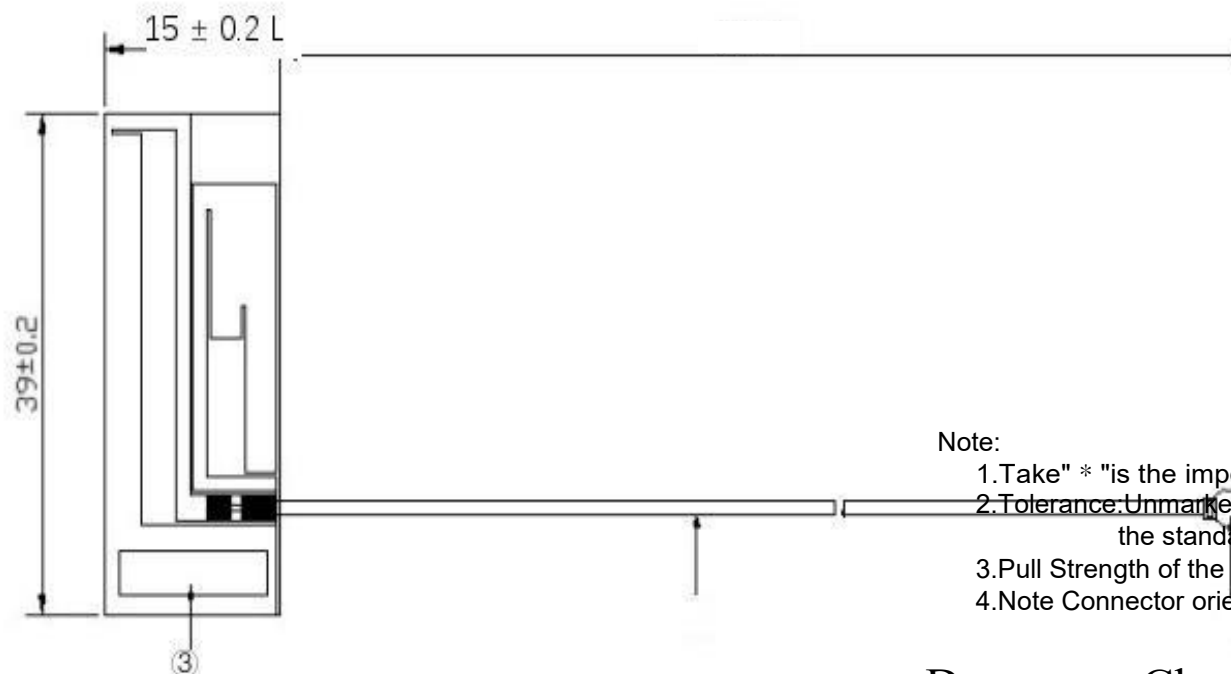


List of Acknowledgement Items

NO.	Content (Contents)	Number of pages (Numberof Page)	Page number (PageCode)
1	Acknowledgement Cover (Spec Cover)	1	1
2	Acknowledgement Item Table (Spec Item)	1	2
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4	Electrical Test Reports (Test Reports)	1	4
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6	Gain Test	1	6
7			
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9			
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11	-	-	-
12	-	-	-

12345678

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△			
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Note:

- 1.Take" * "is the important dimension.
- 2.Tolerance:Unmarked tolerance refer to the standard tolerance please.
- 3.Pull Strength of the connector must be >=1.0kg.
- 4.Note Connector orientation.

Dongguan Chuangjie
Electronics Co., Ltd.

TITLE:4G 3G GSM ANTENNA
PART NO.:GF4015-IPEX 1-60

DWG NAME:GF4015-IPEX 1-60.DWG

APPROVED BY

CHECKED BY

DESIGNED BY:YD
2016-05-05

UNITS:mm

Tolerance

jeff 2016-
05-05

leon 2016-
05-05

SCALE: 1/1

X.XX

REVISION: A

3	GF4015	FPC	FPC 40*15mm	1
2	R-CB-113B	Coaxial Cable	SHOWA-O.D. 1.13mm Black	1
1	CI-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

Electrical test report

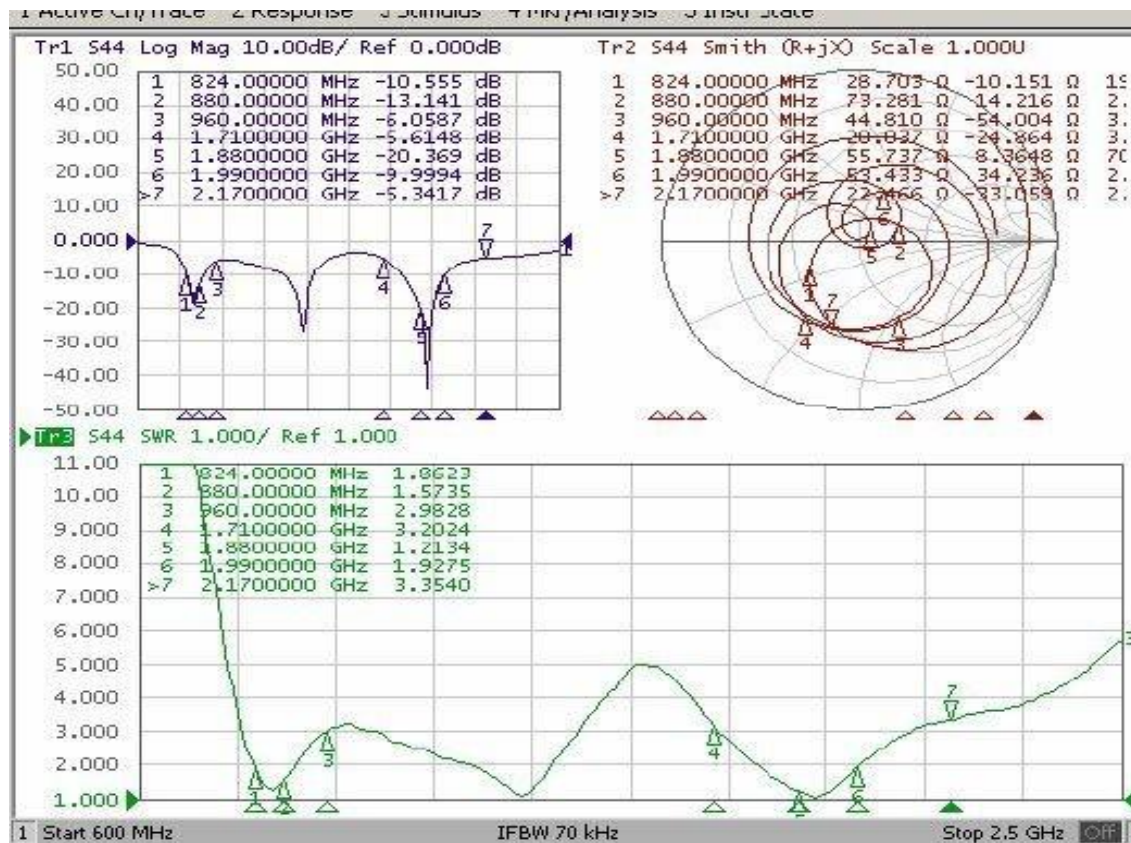
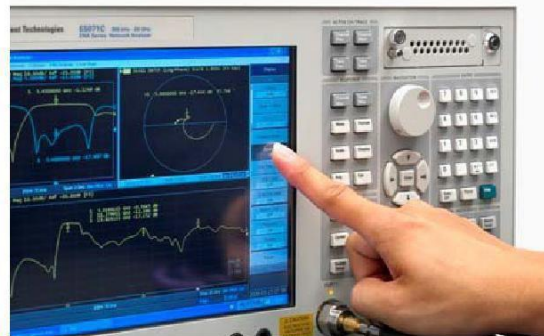
Test Reports

Electrical Properties	
Frequency	2400 ~ 2500MHz, 5150~5850MHz
Impedance	50 Ohm
Radiation	Omni-directional
Polarization	Linear
Admitted Power	1W
Connector	ipex
Gain	4.77 dBi
Physical Properties	
Antenna Material	FPC
Cable Type	O.D. 1.13mm // 120 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C

S-parameter test

S Parameter Test

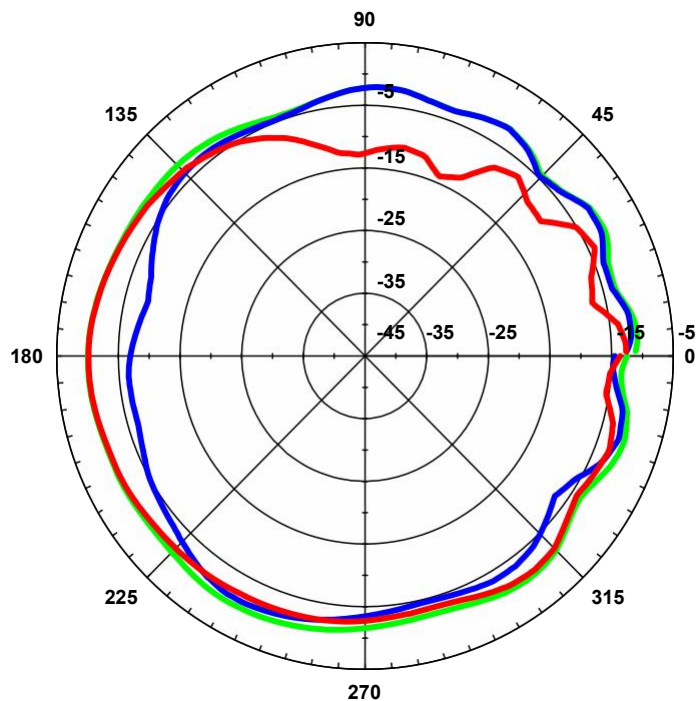
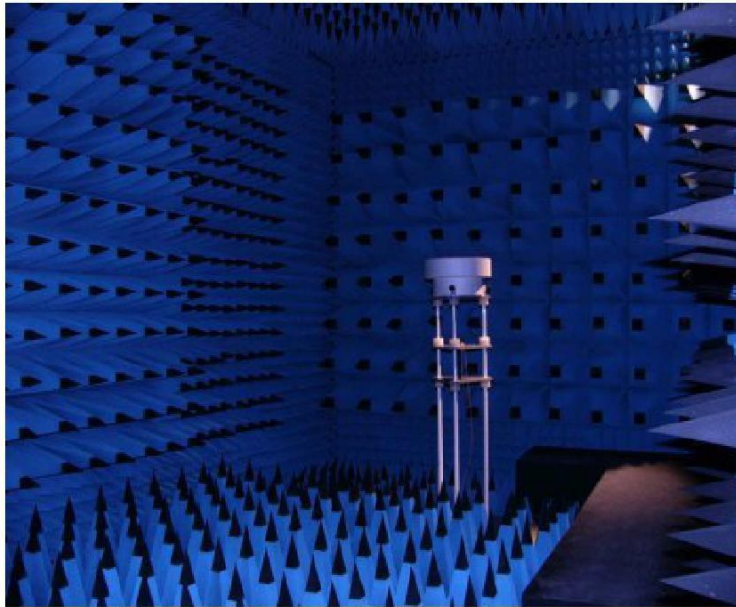
Agilent E5071C



Gain test

Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



Gain table of Antenna

Frequency (MHz)	ANT	
	Efficiency (%)	Peak Gain (dBi)
2400	43.1	4.77
2410	44.98	4.33
2420	43.57	4.17
2430	44.18	4.34
2440	44.55	4.56
2450	45.83	4.23
2460	46.48	4.69
2470	46.31	4.42
2480	45.7	4.03
2490	44.19	4.29
2500	41.61	4.14
5150	48.20	4.12
5200	43.02	4.36
5250	39.94	3.92
5300	43.22	4.18
5350	46.18	4.61
5400	36.54	3.98
5450	46.55	4.31
5500	51.03	4.55
5550	46.13	4.37
5600	47.68	4.15
5650	42.19	4.06
5700	45.07	4.54
5750	45.33	4.36
5800	41.25	4.47
5850	43.65	4.33