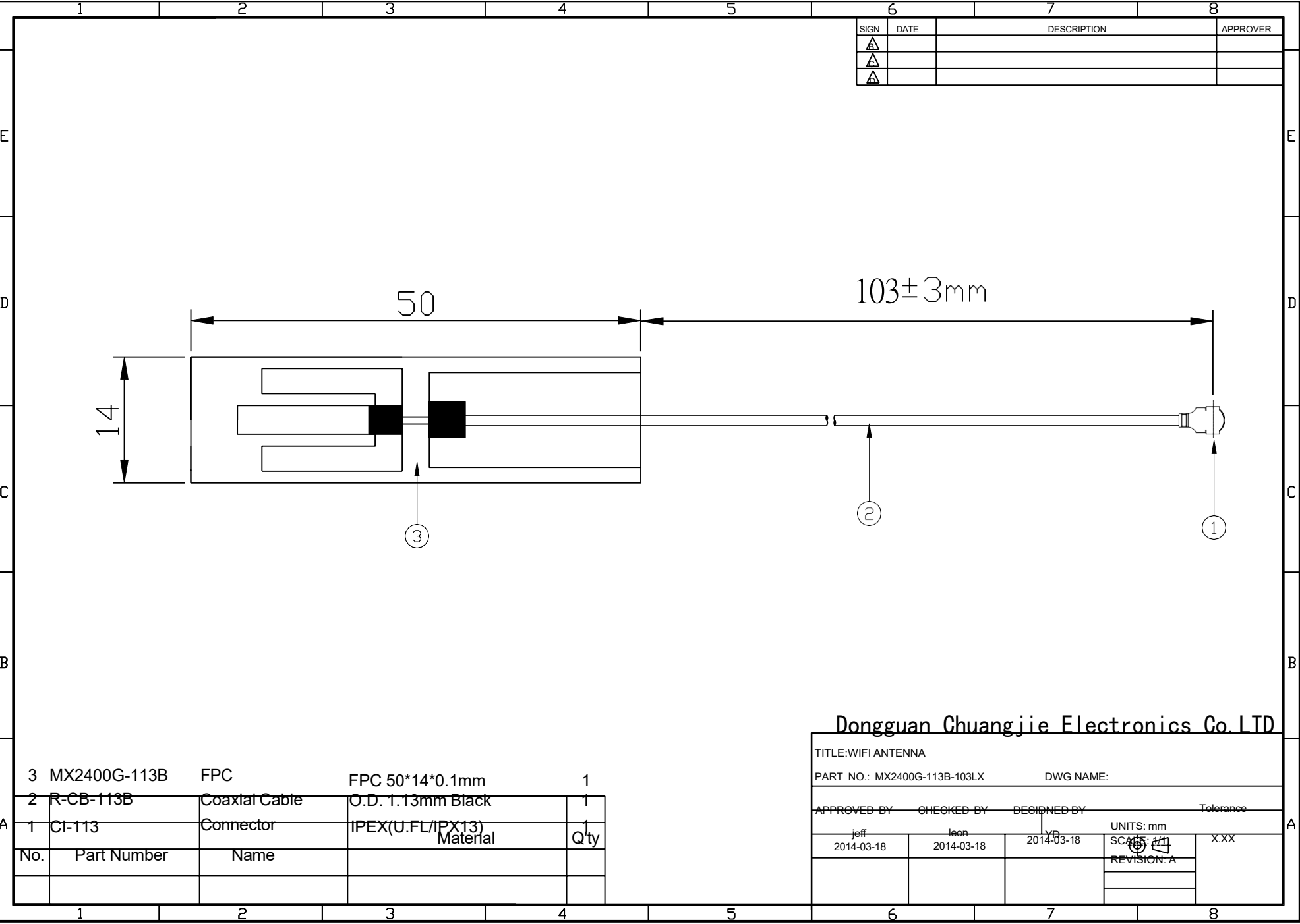


Antenna Spec.

NO.	内 容 (Contents)	页数 (Number of Page)	页码 (Page Code)
1	承认书封面 (Spec Cover)	1	1
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12	-	-	-



3	MX2400G-113B	FPC	FPC 50*14*0.1mm	1
2	R-CB-113B	Coaxial Cable	O.D. 1.13mm Black	1
1	CI-113	Connector	IPEX(U.FL/IPX13)	1
No.	Part Number	Name	Material	Qty

Dongguan Chuangjie Electronics Co.LTD				
TITLE:WIFI ANTENNA				
PART NO.: MX2400G-113B-103LX			DWG NAME:	
APPROVED BY		CHECKED BY	DESIGNED BY	Tolerance
jeff	leon	YB	UNITS: mm	
2014-03-18	2014-03-18	2014-03-18	SCALE: 1:1	X.XX
			REVISION: A	

电性测试报告

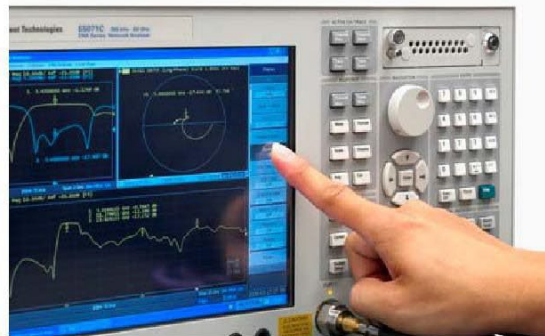
Test Reports

Electrical Properties	
Frequency	2.4~2.5GHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	1.64 dBi
Cable Loss	1.5dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	ipex
Physical Properties	
Antenna Material	FPC
Cable Type	O.D. 1.13mm // 105 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

S 参数测试

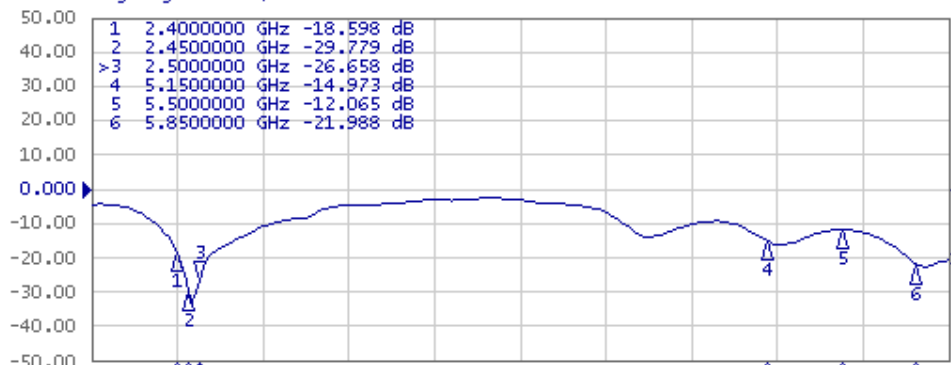
S Parameter Test

Agilent E5071C

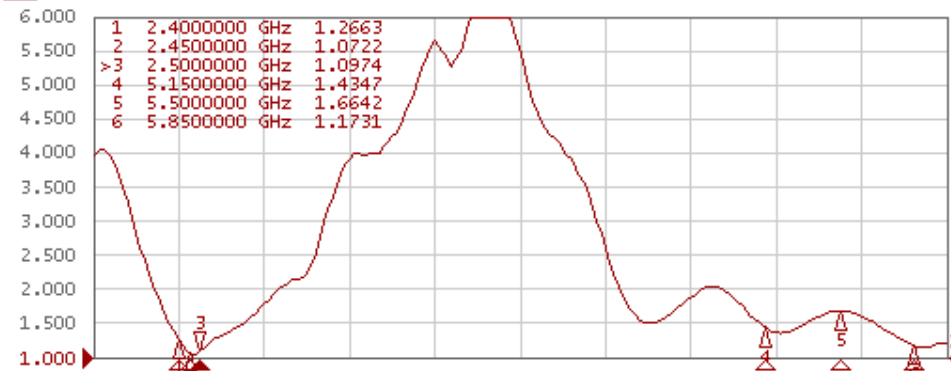


1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Tr1 S44 Log Mag 10.00dB/ Ref 0.000dB



Tr2 S44 SWR 500.0m/ Ref 1.000



1 Start 2 GHz

IFBW 70 kHz

Stop 6 GHz

Trigger

Hold

Single

Continuous

Hold
All Channels

Continuous
Disp Channels

Trigger Source
Internal

Trigger Event
On Sweep

Trigger Scope
All Channel

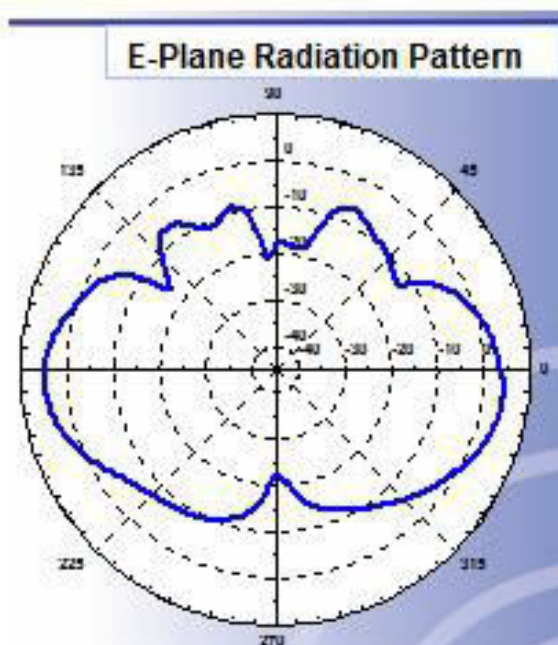
Restart

Hold Stop ExtRef Ready Svc 2013-08-06 10:07

增益测试

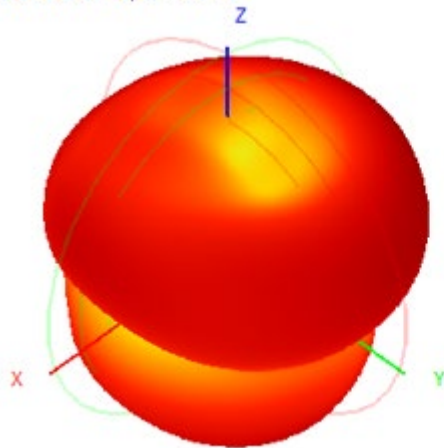
Gain Test

*Antenna
Radiation
Pattern
VS
Gain*



Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-3.99	-3.91	-3.85	-3.86	-3.83	-3.76	-3.80	-3.74	-3.55	-3.40	-3.10
Gain (dBi)	1.10	1.06	0.99	0.90	0.90	1.03	1.09	1.26	1.64	1.87	2.07
Efficiency (%)	39.88	40.66	41.24	41.15	41.41	42.10	41.73	42.29	44.11	45.68	48.96
Directivity (dB)	5.09	4.97	4.83	4.75	4.73	4.78	4.88	5.00	5.19	5.27	5.17
Peak Gain Position (Theta)	57.00	57.00	57.00	57.00	58.00	58.00	59.00	59.00	59.00	59.00	60.00
Peak Gain Position (Phi)	214.00	214.00	214.00	214.00	215.00	216.00	216.00	186.00	184.00	186.00	187.00
Efficiency ThetaPol (%)	30.67	31.34	31.85	31.83	32.12	32.66	32.31	32.64	33.91	35.00	37.36
Efficiency PhiPol (%)	9.21	9.33	9.39	9.31	9.29	9.44	9.43	9.65	10.20	10.68	11.60
Upper Hem. Efficiency (%)	20.81	21.21	21.70	22.16	22.94	24.05	24.56	25.48	26.78	27.71	29.39
Lower Hem. Efficiency (%)	19.07	19.46	19.54	18.99	18.48	18.05	17.17	16.82	17.33	17.97	19.57

2480.0MHz H+V, Eff: 44.1%



Back View

