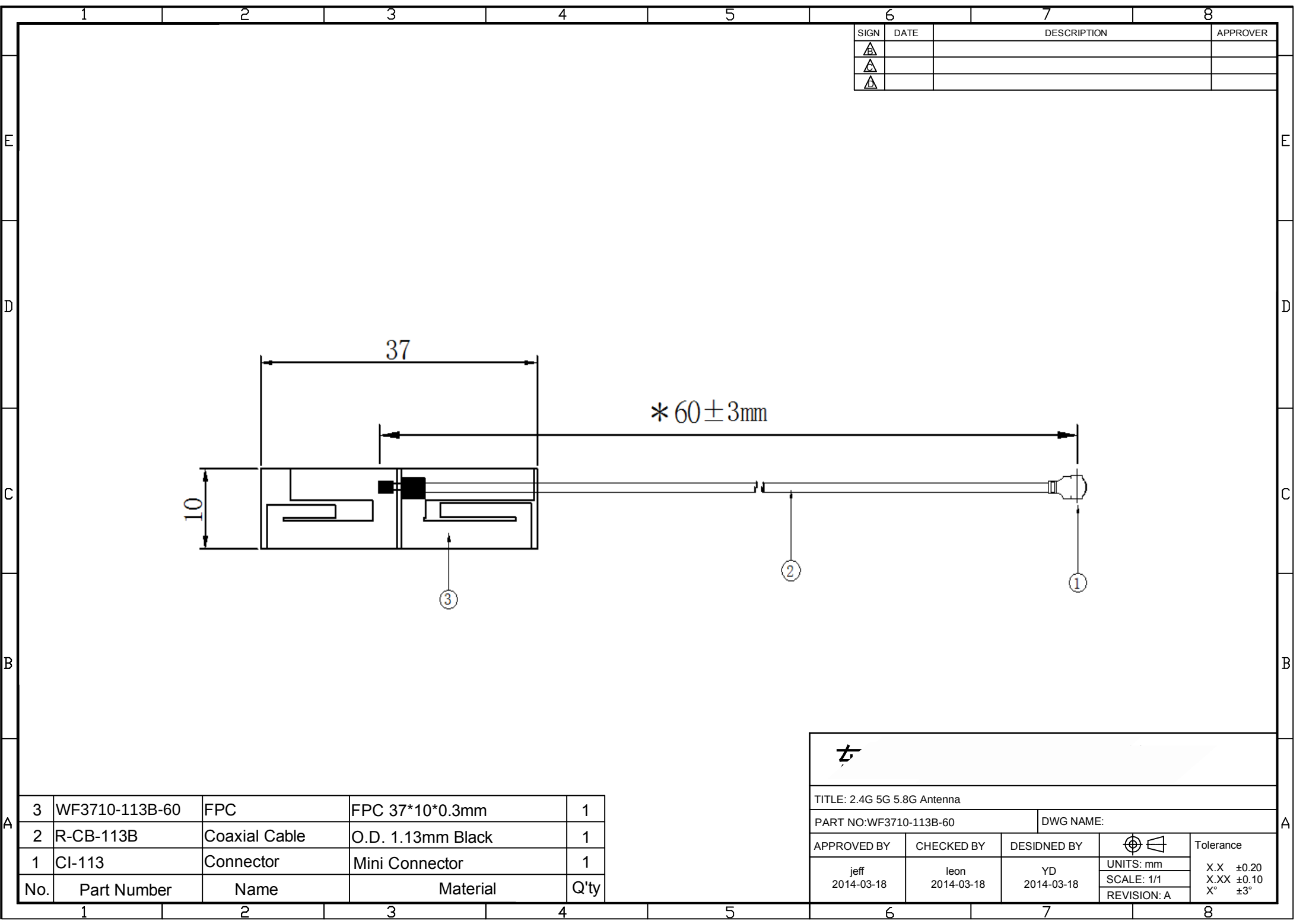


承认书项目表

NO.	内容 (Contents)	页数 (Number of Page)	页码 (Page Code)
1	承认书封面 (Spec Cover)	1	1
2	承认书项目表 (Spec Item)	1	2
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5	S 参数测试 (S Parameter)	1	5
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12	-	-	-



SIGN	DATE	DESCRIPTION	APPROVER

3	WF3710-113B-60	FPC	FPC 37*10*0.3mm	1
2	R-CB-113B	Coaxial Cable	O.D. 1.13mm Black	1
1	CI-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

TITLE: 2.4G 5G 5.8G Antenna				
PART NO:WF3710-113B-60			DWG NAME:	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
jeff 2014-03-18	leon 2014-03-18	YD 2014-03-18	UNITS: mm	X.X ±0.20
			SCALE: 1/1	X.XX ±0.10
			REVISION: A	X° ±3°

电性测试报告

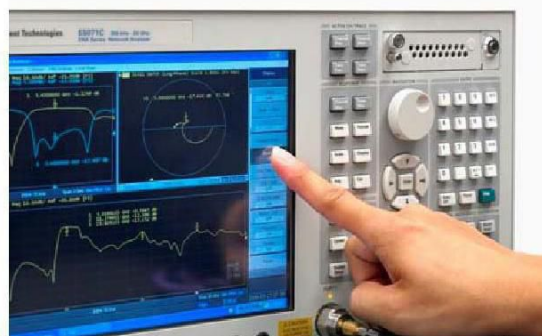
Test Reports

Sample Photo	
	
A. Electrical Characteristics	
Frequency	2400 ~ 2500 MHz 4900 ~ 5900 MHz
S.W.R.	≤ 2.0 @ 2400 ~ 2500 MHz ≤ 2.0 @ 4900 ~ 5900 MHz
Impedance	50 Ohm Nominal
Return Loss	-10 dB Max
Radiation	Omni-directional
Cable Loss	2 dB / m Max
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	IPEX
Physical Properties	
Antenna Material	FPC
Cable Type	O.D. 1.13mm // 50 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C

S 参数测试

S Parameter Test

Agilent E5071C

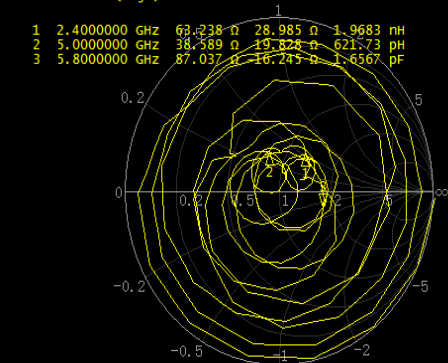


矢量网络分析仪

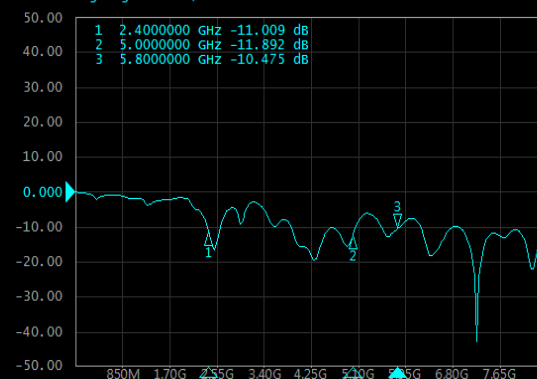
1 通道/迹线 2 响应 3 激励 4 光标/分析 5 仪器状态

调整大小

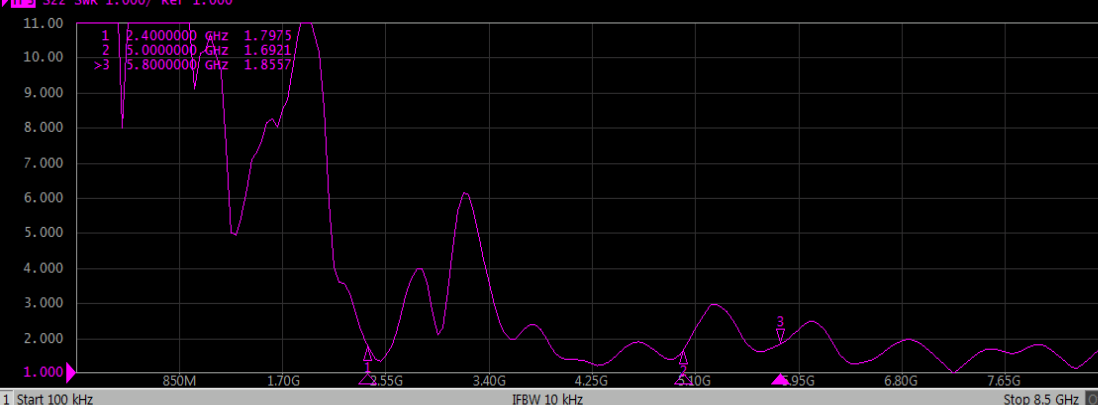
Tr1 S22 Smith(R+jX) 1.000U FS



Tr2 S22 Log Mag 10.00dB/ Ref 0.000dB



Tr3 S22 SWR 1.000/ Ref 1.000



1 Start 100 kHz

IFBW 10 kHz

Stop 8.5 GHz

Meas Stop ExtRef Svc 2017-08-27 10:15

系统

开始打印

打印设置...

反色图片

关

保存截屏...

更多设置

背光设置

100%

关闭显示

系统信息

温度

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帮助文档

返回

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency (dBi)	-3.46	-3.50	-3.44	-3.34	-3.44	-3.58	-3.49	-3.48	-3.47	-3.35	-3.37
Gain (dBi)	1.32	1.07	0.91	0.75	0.66	0.57	0.73	0.90	1.07	1.14	1.16
Efficiency (%)	45.08	44.69	45.30	46.31	45.25	43.88	44.78	44.90	44.98	46.28	46.05
Directivity (dB)	4.78	4.57	4.35	4.09	4.10	4.15	4.22	4.38	4.54	4.48	4.53
Peak Gain Position (Theta)	75.00	75.00	75.00	75.00	60.00	60.00	60.00	75.00	75.00	75.00	60.00
Peak Gain Position (Phi)	135.00	135.00	135.00	135.00	75.00	75.00	75.00	135.00	135.00	135.00	75.00
Efficiency ThetaPol (%)	31.11	30.87	31.25	31.89	31.20	30.18	30.75	30.64	30.67	31.46	31.48
Efficiency PhiPol (%)	13.97	13.81	14.05	14.42	14.05	13.70	14.03	14.27	14.31	14.82	14.57
Upper Hem. Efficiency (%)	22.62	22.35	22.67	23.21	22.72	22.03	22.42	22.36	22.44	23.17	23.22
Lower Hem. Efficiency (%)	22.47	22.33	22.63	23.10	22.53	21.85	22.36	22.54	22.54	23.11	22.83

T90(H)圆度	11.86	10.90	9.98	9.24	8.61	8.28	8.53	8.76	8.73	8.79	8.66
Gain 15deg (dBi)											
E1(XZ)波瓣宽度	59.00	58.00	56.00	55.00	54.00	51.00	49.00	46.00	45.00	44.00	44.00
E1(XZ)前后比	2.88	2.89	2.95	2.83	3.00	3.15	3.27	3.29	3.33	3.32	3.39
E2(YZ)波瓣宽度	66.00	66.00	67.00	66.00	66.00	66.00	26.00	26.00	37.00	35.00	58.00
E2(YZ)前后比	3.97	4.16	4.22	4.26	4.14	4.03	3.95	3.80	4.06	4.42	4.71
最大增益处轴比(P)	20.03	19.65	20.13	20.08	23.80	26.01	27.24	18.82	19.91	21.53	35.12
顶点(Theta=0)处轴比(P)	17.09	17.49	17.43	18.61	19.62	19.20	17.42	15.57	13.91	13.39	11.82
仰角10度最差(大)轴比(P)	51.47	46.58	46.92	46.10	46.14	59.89	46.37	46.39	46.61	53.15	61.91
Hc(XY)波瓣宽度	104.00	106.00	107.00	105.00	105.00	107.00	108.00	109.00	111.00	112.00	113.00
Hc(XY)前后比	4.70	5.17	5.86	6.08	5.63	5.09	4.94	4.83	4.91	4.99	4.72
左旋圆极化效率(%)	22.38	22.17	22.40	23.01	22.20	21.27	21.74	21.85	22.24	22.73	22.46
右旋圆极化效率(%)	22.70	22.52	22.90	23.30	23.05	22.61	23.04	23.05	22.74	23.55	23.59

