

深圳创盈芯实业有限公司

Shenzhen Chuangyingxin technology co., Ltd

材料承认书

Material acceptance

品 名:

Name of a part

FPC Antenna

料 号:

Part Number

1306000284

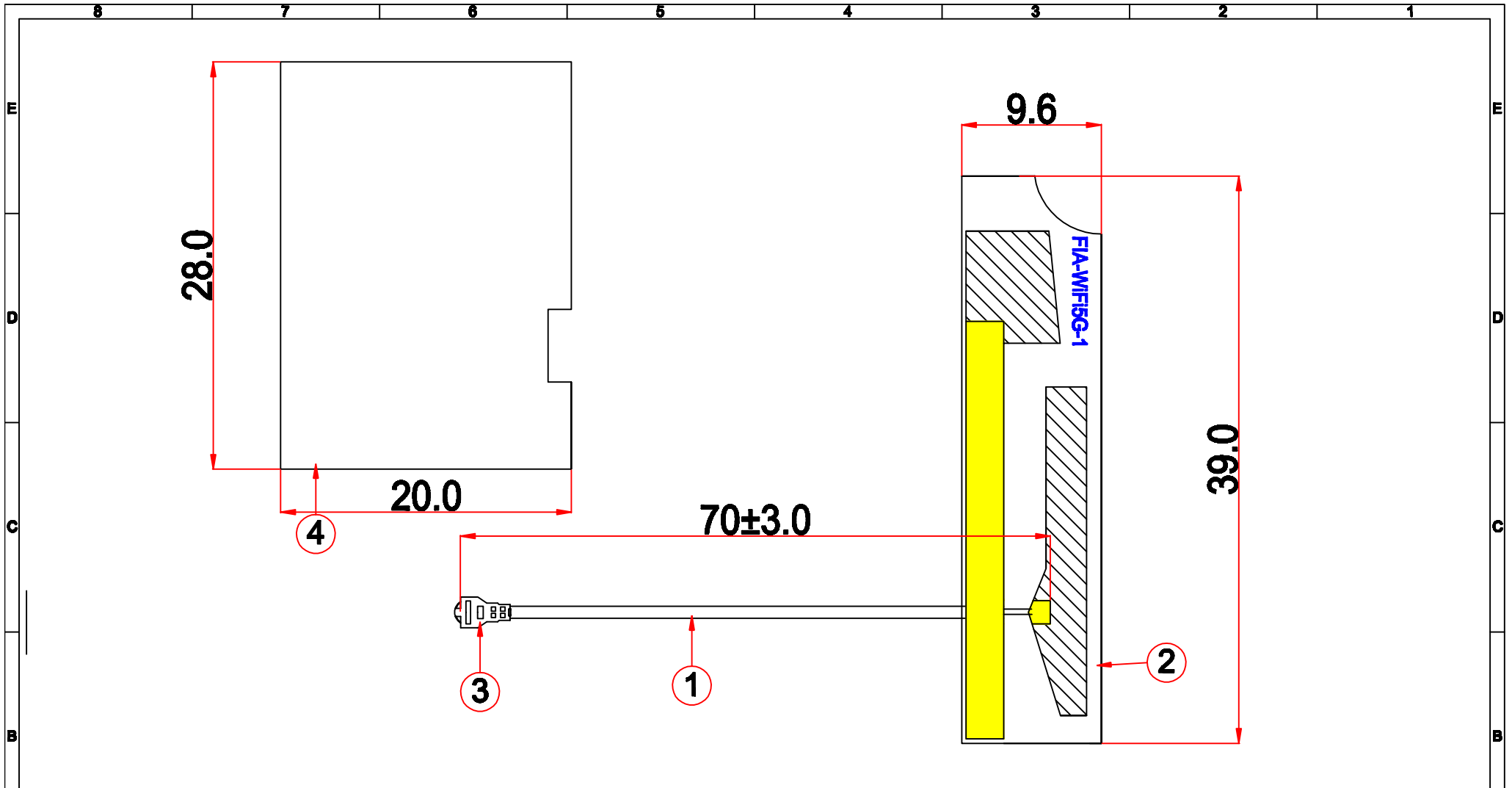
Tel:0755-23596969

Company web site:<http://www.cyxtech.com/>

深圳市龙华新区高峰社区科伦特低碳产业园 C 栋

Add: 5 / F, 1 Building, Xiaozao Industrial Zone, Zhaohe Road, Fengfeng Community

Longhua New District, Shenzhen City



4	铜箔	38.0*20.0MM	1
3	MHF4	O.D.0.81专用	1
2	PPC	L39.0*W9.6*T0.6mm	1
1	Coaxial Cable	O.D.0.81Black	1
NO	PART NAME	DESCRIPTION	Q.TY

东莞市松汇实业有限公司 Dongguan SongHui Co.,Ltd.			CUSTOMER		
			PART NO		
			TITLE		2.4-5.8GHzAntenna L=70mm
			S.H P/NO		SL136P.300070.P01
TOLERANCE UNLESS OTHERWISE SPECIFIED		SIZE	DRAWN	CHECKED	APPROVED
UNIT:mm	ANGLES ±0.5°	X. ±2.0	A4	LUOYI	ZOUJIE
SHEET: 1/1	X.XX ±0.2	XX. ±5.0			
SCALE: 1/1	X.X ±0.5	DATE:2023-11-26			

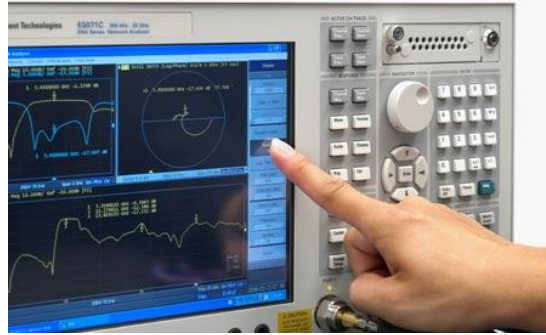
Electrical Properties

Frequency	2400-2500/5150-5850MHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Efficiency	>48%
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	MHF4
Physical Properties	
Antenna Material	PCB
Cable Type	O.D. 0.81mm // L=70mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

S 参数测试

S Parameter Test

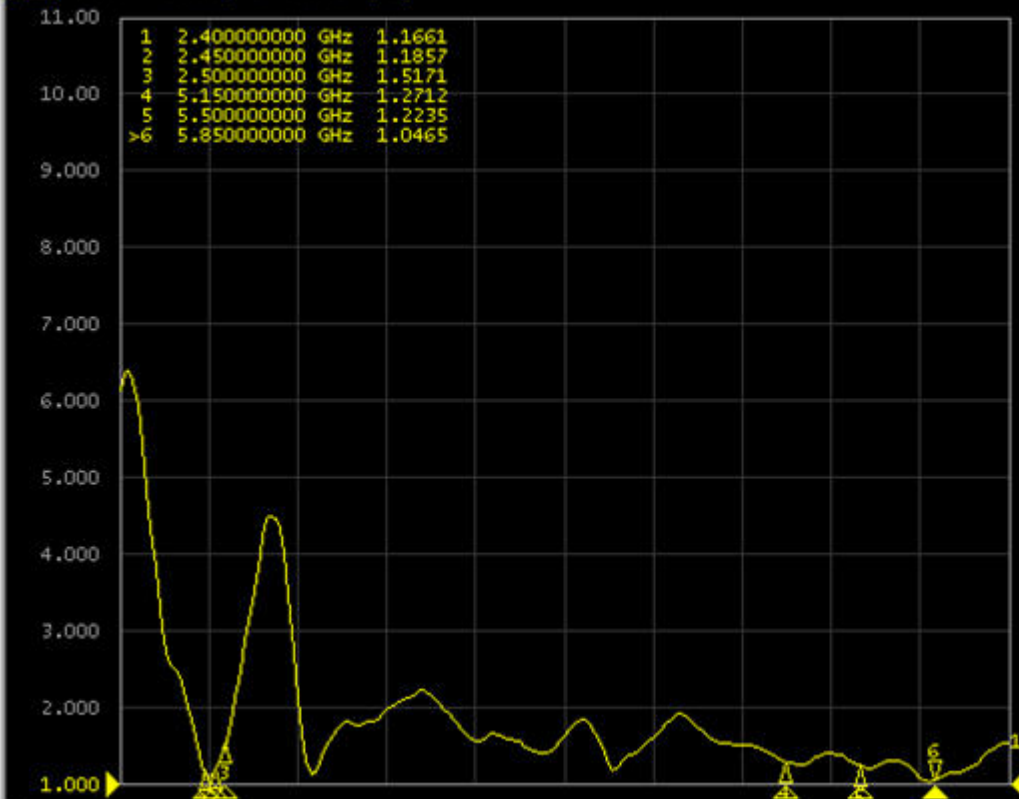
Agilent E5071C



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

► F1 S33 SWR 1.000/ Ref 1.000 [F1]

1	2.400000000	GHz	1.1661
2	2.450000000	GHz	1.1857
3	2.500000000	GHz	1.5171
4	5.150000000	GHz	1.2712
5	5.500000000	GHz	1.2235
>6	5.850000000	GHz	1.0465



Format

SWR

Log Mag

Phase

Group Delay

Smith

Polar

Lin Mag

SWR

Real

Imaginary

1 Start 2 GHz

IFBW 70 kHz

Stop 6.2 GHz Cor

Meas

Stop

ExtRef

Ready

Svc

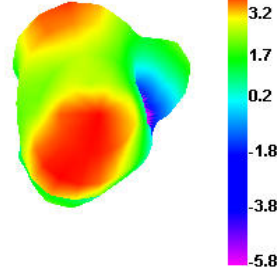
2019-11-24 09:46

增益效率

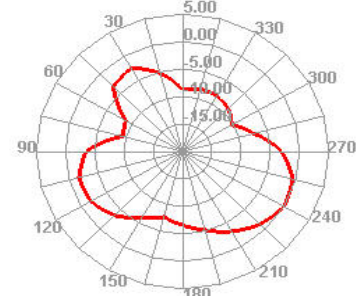
Freq (MHz)	Effi (%)	Gain (dBi)
2400	65.06	4.22
2410	72.22	4.87
2420	69.58	4.71
2430	67.14	4.55
2440	65.68	4.29
2450	62.18	4.28
2460	65.42	4.37
2470	61.59	4.25
2480	61.45	4.43
2490	59.44	4.52
2500	65.84	5.07

Freq (MHz)	Effi (%)	Gain (dBi)
5150	42.34	3.76
5175	38.07	3.32
5200	37.96	2.65
5225	39.5	2.79
5250	37.29	2.48
5275	42.72	3.27
5300	41.72	3.02
5325	43.84	3.29
5350	53.43	3.57
5375	46.51	3.58
5400	53.57	4.64
5425	45.29	4.5
5450	55.84	4.67
5475	44.69	4.09
5500	53.48	4.78
5525	45.62	3.73
5550	58.52	4.82
5575	45.69	3.57
5600	56.2	4.23
5625	42.17	2.41
5650	56.98	3.73
5675	40.43	2.02
5700	56.16	3.55
5725	45.22	2.91
5750	57.35	3.88
5775	43.38	2.89
5800	57.66	4.14
5825	42.58	3.28
5850	56.58	4.78

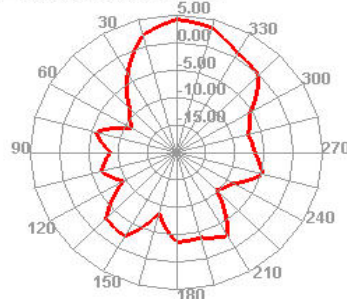
2400.000MHz



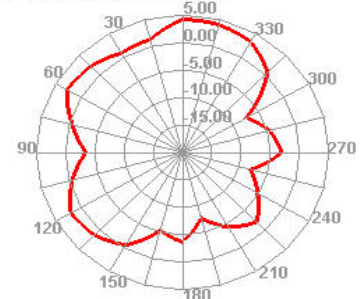
2400.000MHz H



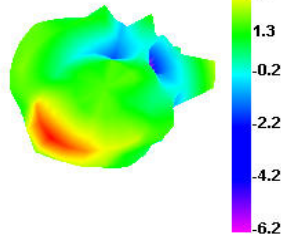
2400.000MHz E1



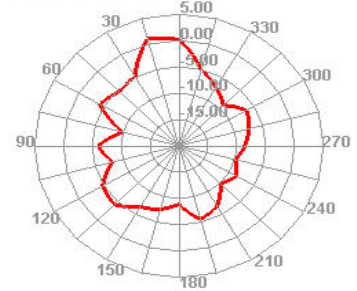
2400.000MHz E2



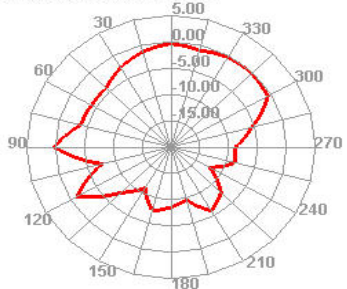
5150.000MHz



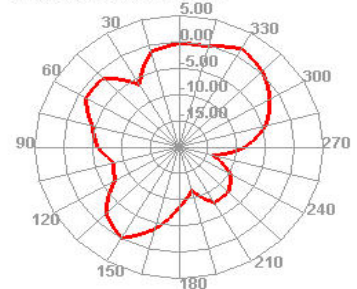
5150.000MHz H



5150.000MHz E1



5150.000MHz E2



Antenna assembly diagram

