



电 性 测 试 报 告

Test Reports

Electrical Properties	
Frequency	2.4-2.5GHz 5.15-5.85GHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2.4G:4.47dBi 5.2G:2.82dBi 5.8G:4.63dBi
Efficiency	>60%
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	MHF4
Physical Properties	
Antenna Material	PCB
Cable Type	O.D. 0.81mm // L= 44mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	BLACK

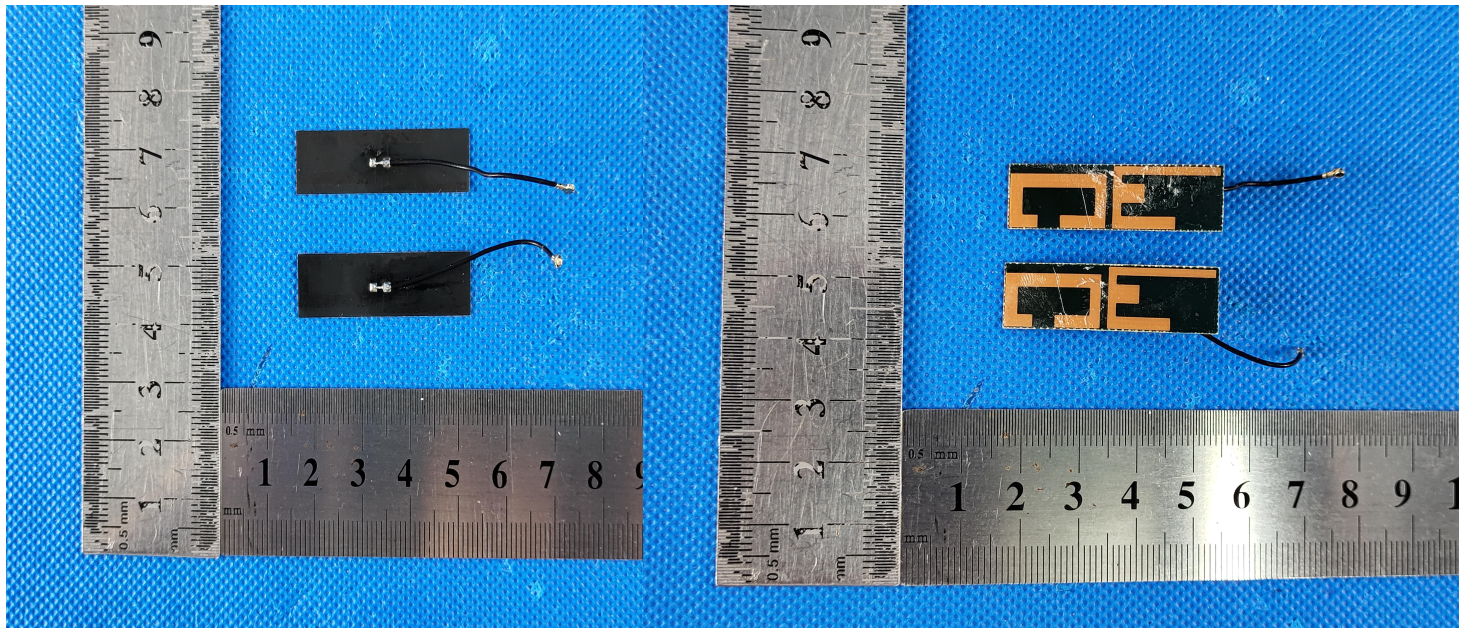
Manufacturer:XiAn Lianyu Trading Co., Ltd.

Manufacturer add.:Rm 1-1108, Tongda International Bldg, No. 41 Tangyan Rd, High tech Zone, XiAn, Shanxi, China



天线尺寸

Antenna size



Length: 35mm

Width: 10mm

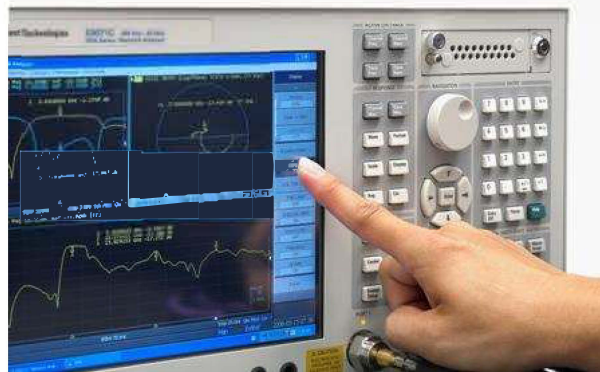




S 参数测试

S Parameter Test

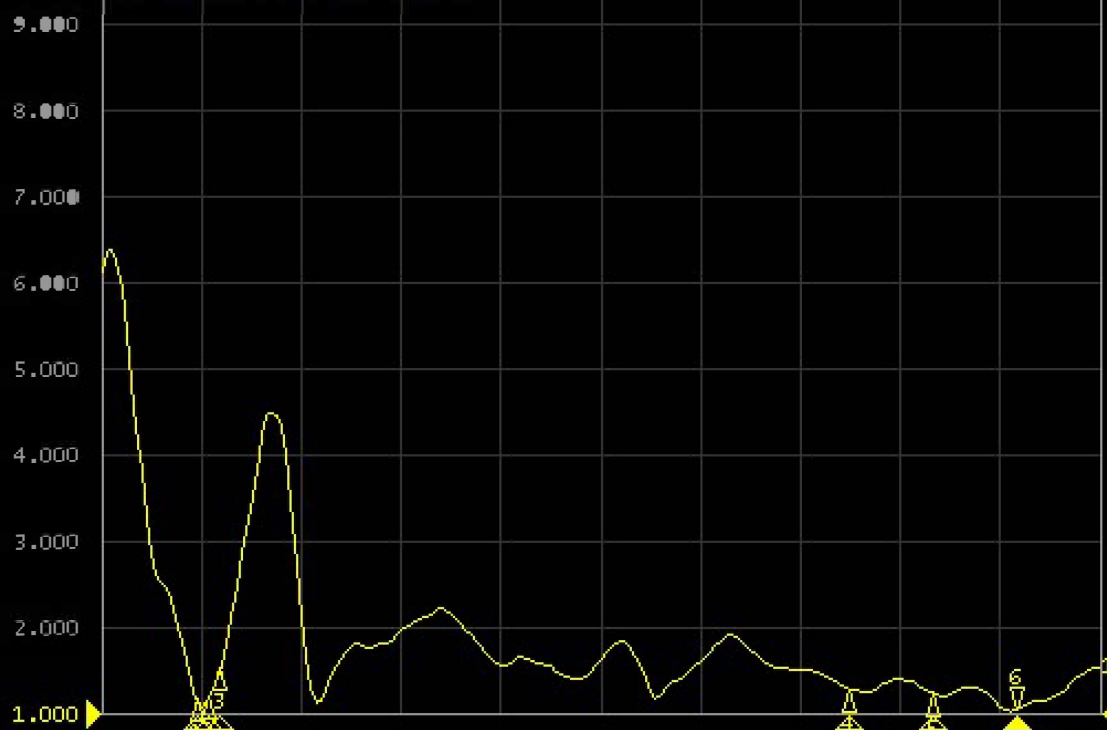
Agilent E5071C



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

► 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



1 Start 2 GHz

IFBW 70 kHz

Stop 6.2 GHz

Cor

Meas

Stop

ExtRef

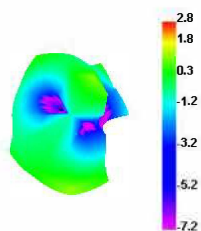
Ready

Svc

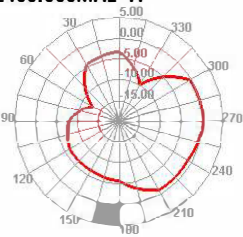
2019-11-24 09:46



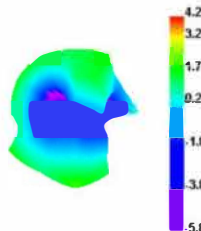
2400.000MHz



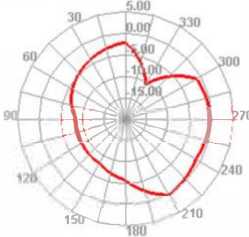
2400.000MHz H



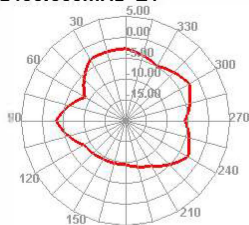
2450.000MHz



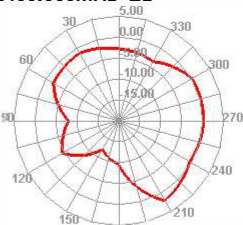
2450.000MHz H



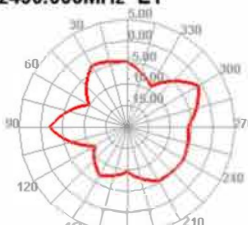
2400.000MHz E1



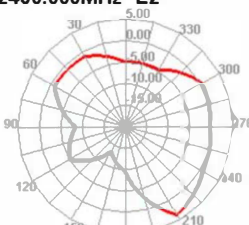
2400.000MHz E2



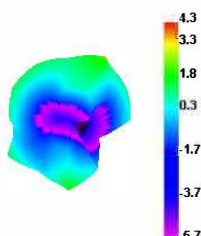
2450.000MHz E1



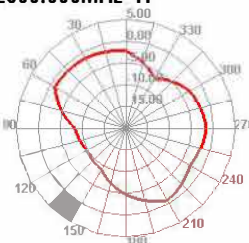
2450.000MHz E2



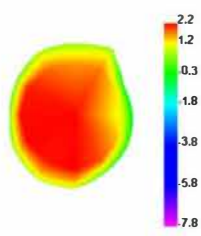
2500.000MHz



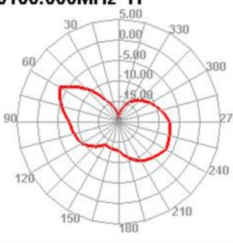
2500.000MHz H



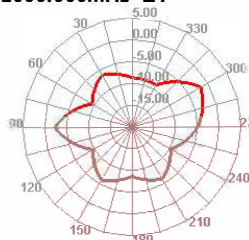
5100.000MHz



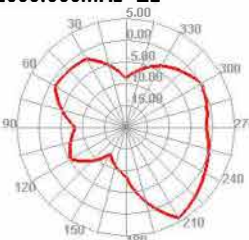
5100.000MHz H



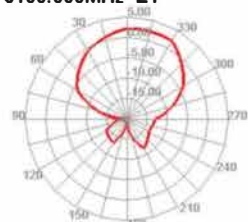
2500.000MHz E1



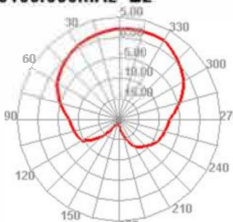
2500.000MHz E2



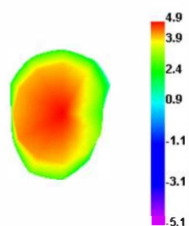
5100.000MHz E1



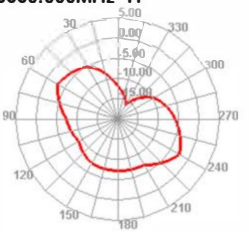
5100.000MHz E2



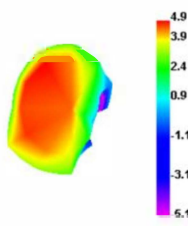
5550.000MHz



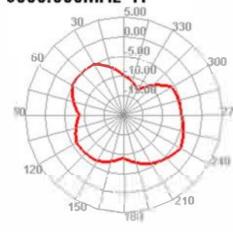
5550.000MHz H



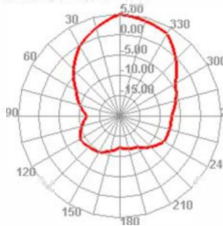
6000.000MHz



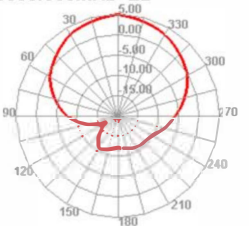
6000.000MHz H



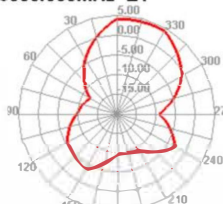
5550.000MHz E1



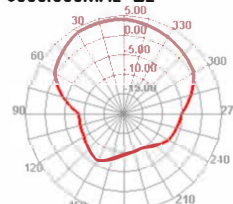
5550.000MHz E2



6000.000MHz E1



6000.000MHz E2



Freq (MHz)	Effi (%)	Gain (dBi)
2400	49.55	2.78
2410	48.09	2.95
2420	49.58	3.29
2430	47.6	3.33
2440	52.78	3.98
2450	54.27	4.21
2460	56.55	4.47
2470	53.23	4.14
2480	53.45	4.16
2490	50.37	4
2500	51.64	4.28

2400.000MHz - 2500.000MHz

Freq (MHz)	Effi (%)	Gain (dBi)
5100	44.6	2.24
5125	46.12	2.58
5150	46.75	2.75
5175	47.62	2.82
5200	45.07	2.29
5225	48.55	2.75
5250	40.48	1.84
5275	45.36	2.85
5300	41.7	2.63
5325	47.59	3.35
5350	45.58	3.2
5375	40.04	3.29
5400	48.32	4.12
5425	40.33	3.38
5450	44.44	3.27
5475	39.97	3.49
5500	47.52	4.31
5525	44.91	3.96
5550	47.11	4.91
5575	38.82	3.89
5600	43.34	4.28
5625	46.13	3.59
5650	45.32	4.73
5675	49.18	3.84
5700	50.73	4.8
5725	48.81	3.88
5750	51.03	4.63
5775	48.81	3.38
5800	45.69	3.82
5825	46.23	2.7
5850	44.8	3.81
5875	43.94	3.2
5900	43.94	3.89
5925	46.82	4.1
5950	48.76	4.31
5975	55.94	4.58
6000	57.8	4.85