



深圳美师傅科技有限公司

Shenzhen Li Tongchuang Technology Co., Ltd.

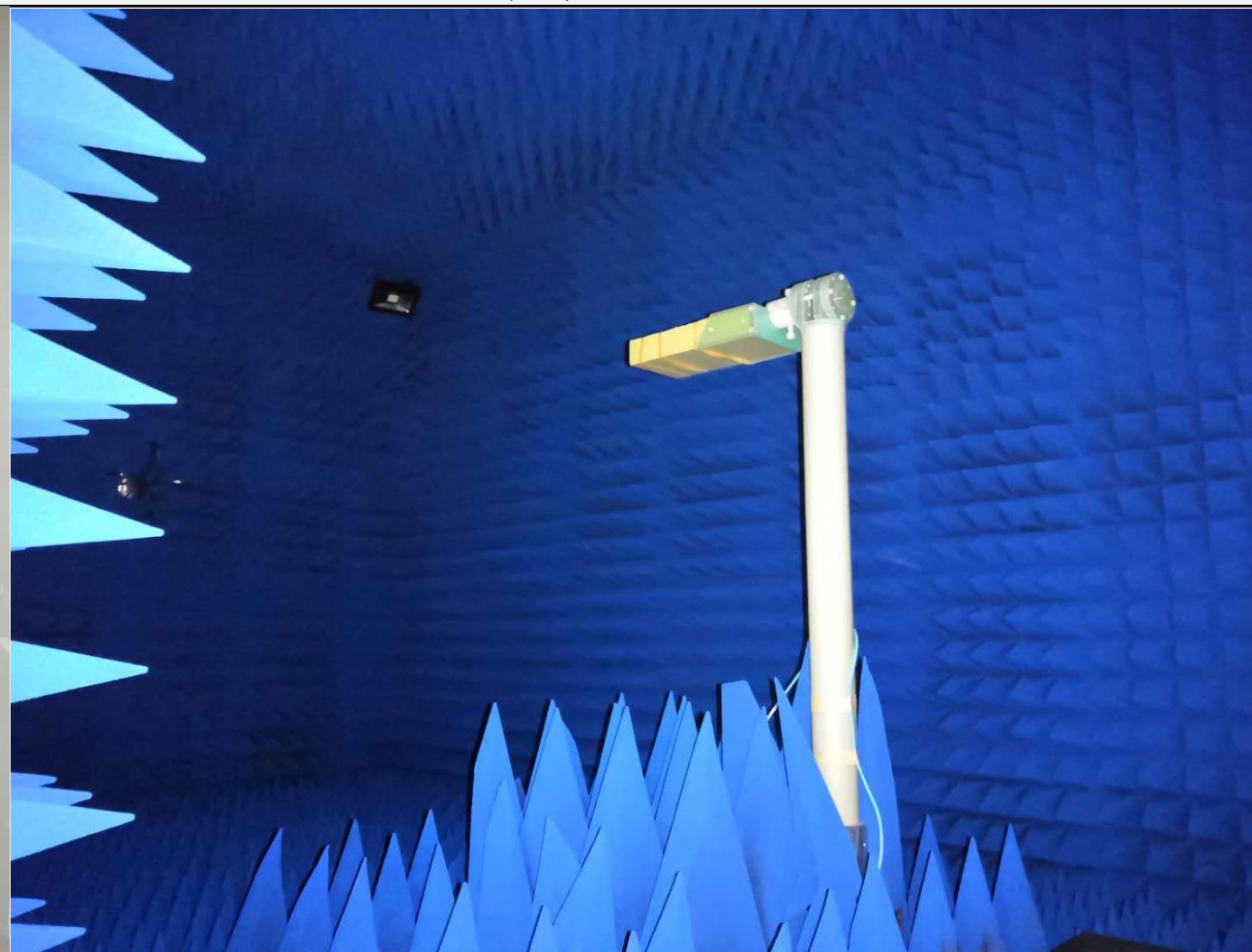
217, A3(A4) Huichao Building, Yintian Industrial Zone, Yantian Community, Xixiang Street, Baoan District, Shenzhen

天线测试报告

Antenna Test Report

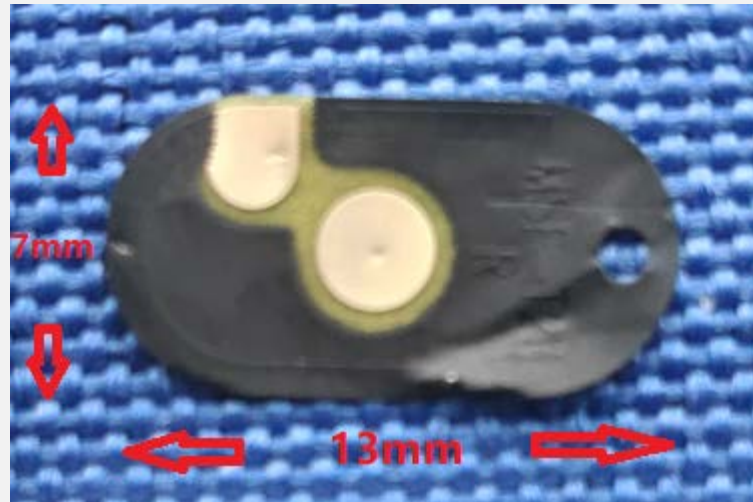


Vector network Analyzer & Integrated meter	Agilent Technologies E5071B & R&S CMW500
Darkroom	Atenlab M3
Test engineer	Chaofan Liu
Temperature	25°C
Humidity	65% (RH)



Antenna View (13mm*7mm)

Antenna Type:FPCB Antenna



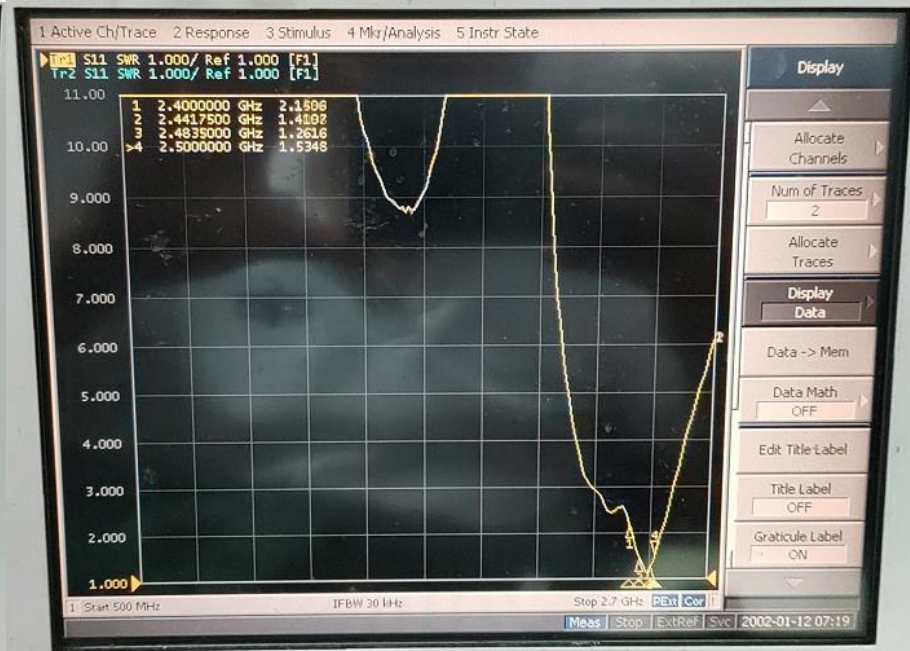
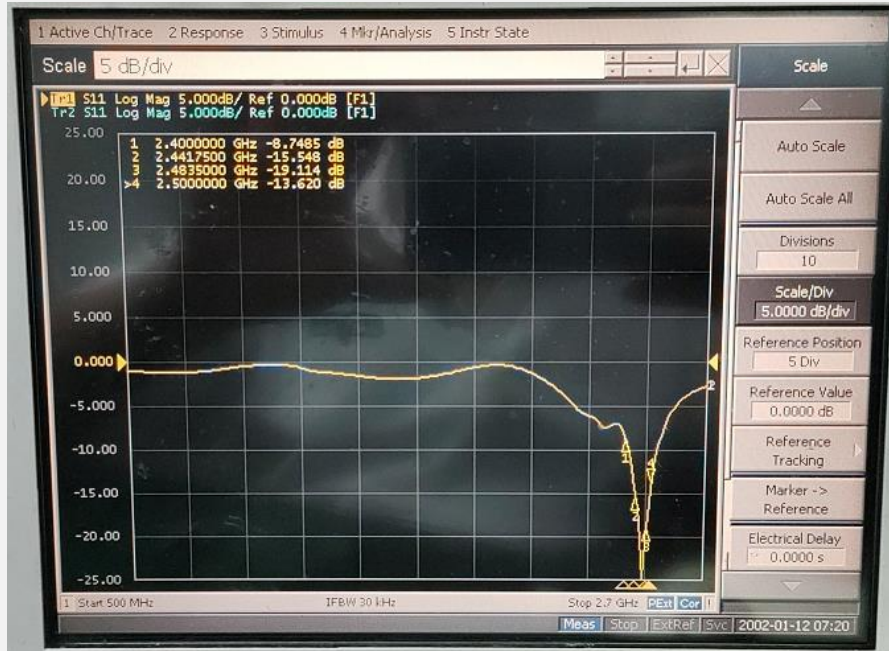


L



YoSong ANT S11 parameter Summary

Band	2400-2500 (MHz)		
	2400	2450	2483
R. L (dB)	-8.7	-15.5	-19.1
VSWR	2.1	1.4	1.2

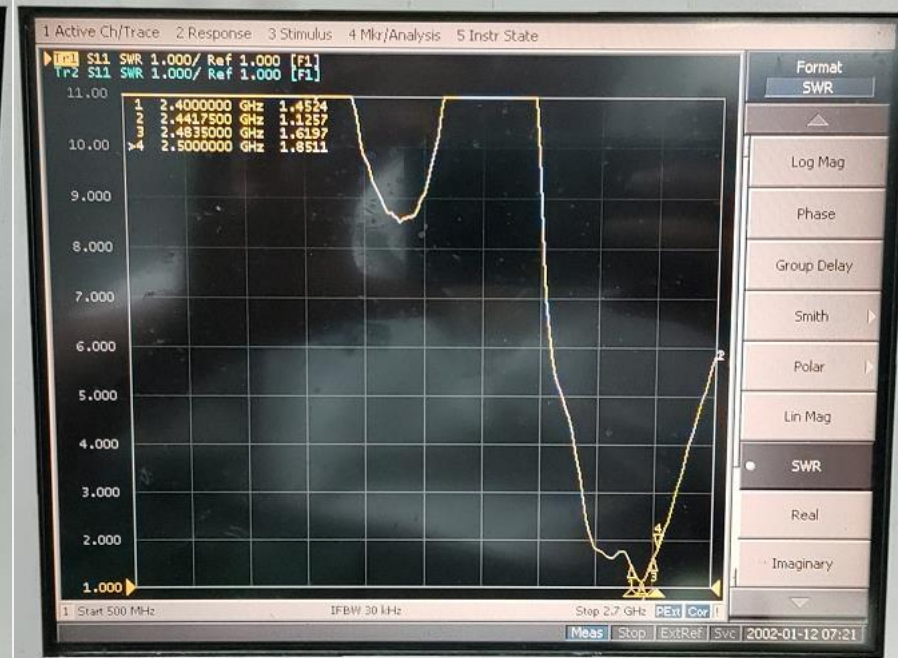
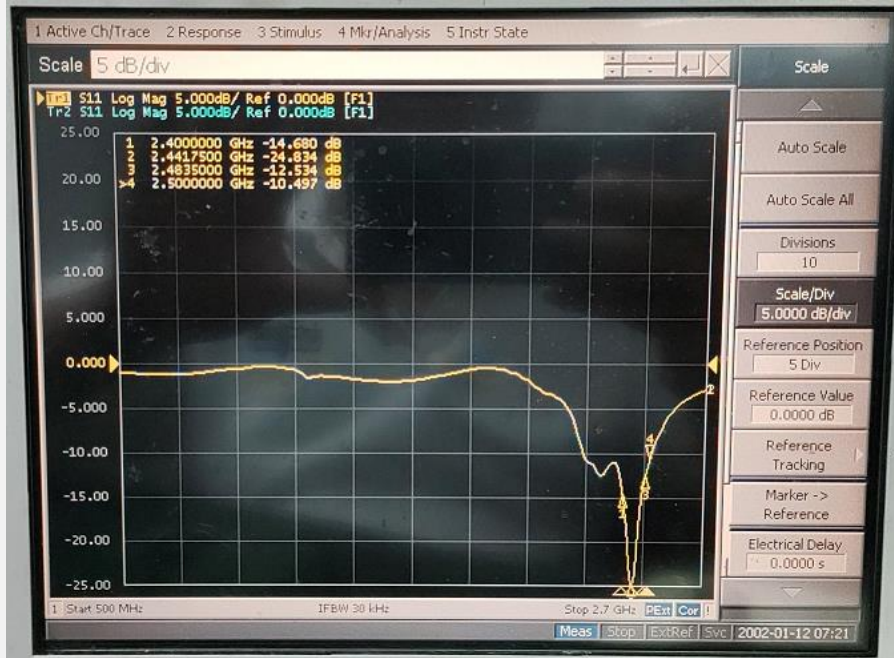




R

YoSong ANT S11 parameter Summary

Band	2400-2500 (MHz)		
	2400	2450	2483
R. L (dB)	-14.6	-24.8	-12.5
VSWR	1.4	1.1	1.6

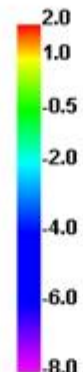
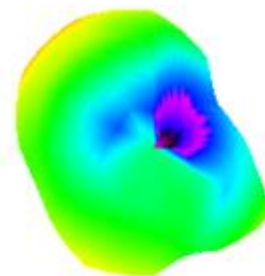




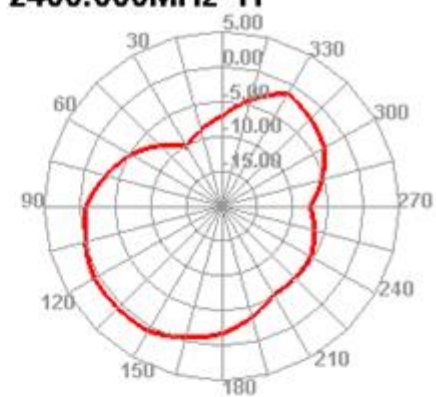
L

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	45.9	-3.38	2.01	-0.14
2410	43.22	-3.64	1.63	-0.52
2420	40.04	-3.98	1.16	-0.99
2430	36.7	-4.35	0.9	-1.25
2440	37.19	-4.3	1.01	-1.14
2450	41.67	-3.8	1.52	-0.63
2460	41.33	-3.84	1.55	-0.6
2470	38.98	-4.09	1.22	-0.93
2480	41.15	-3.86	1.37	-0.78
2490	39.53	-4.03	1.26	-0.89
2500	40	-3.98	1.34	-0.81

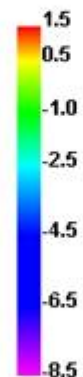
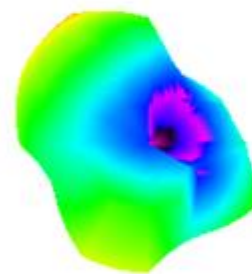
2400.000MHz



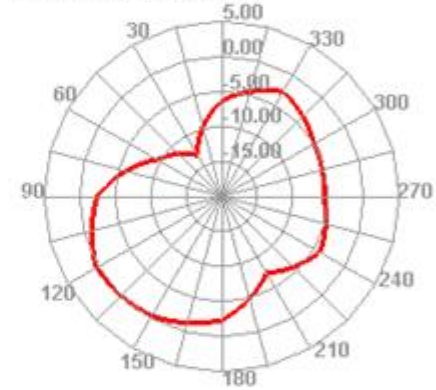
2400.000MHz H



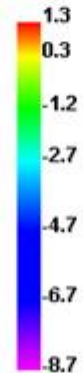
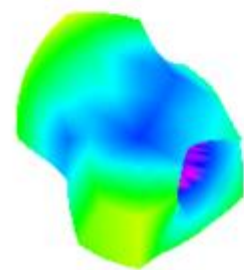
2450.000MHz



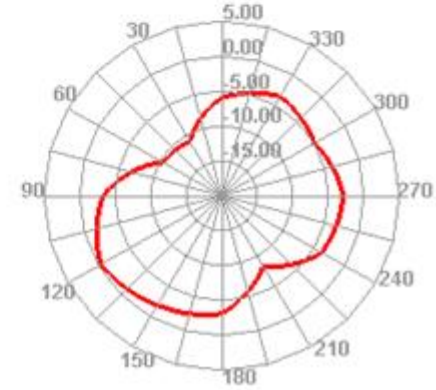
2450.000MHz H



2500.000MHz



2500.000MHz H

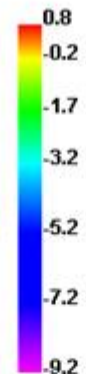
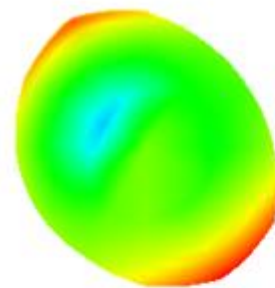




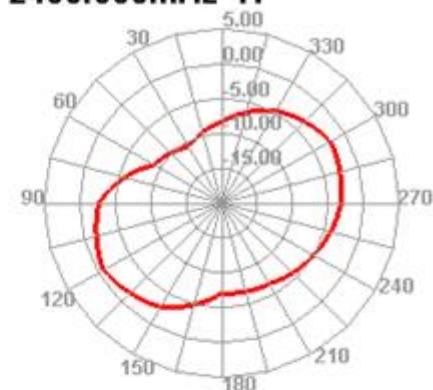
R

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	49.6	-3.05	0.8	-1.35
2410	45.95	-3.38	0.4	-1.75
2420	42.29	-3.74	-0.02	-2.17
2430	41.58	-3.81	-0.28	-2.43
2440	40.59	-3.92	-0.36	-2.51
2450	45.04	-3.46	-0.04	-2.19
2460	40.67	-3.91	-0.67	-2.82
2470	38.33	-4.16	-0.83	-2.98
2480	42.97	-3.67	-0.18	-2.33
2490	37.98	-4.2	-0.77	-2.92
2500	34.77	-4.59	-1.34	-3.49

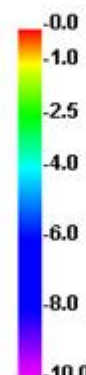
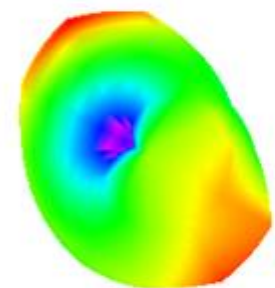
2400.000MHz



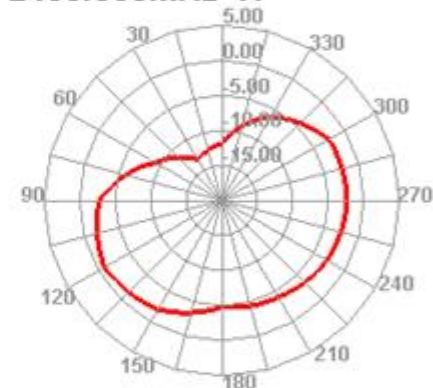
2400.000MHz H



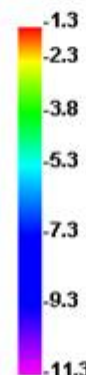
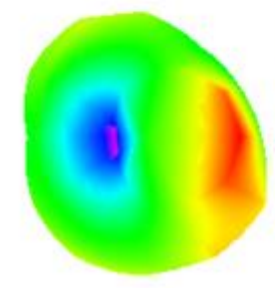
2450.000MHz



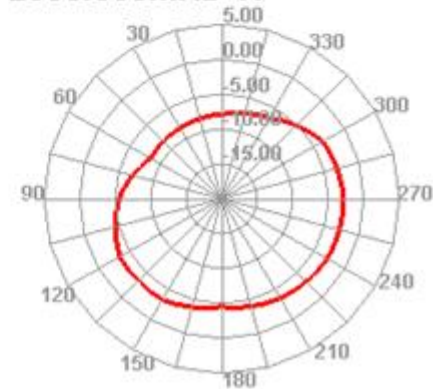
2450.000MHz H



2500.000MHz



2500.000MHz H





ANT EIRP&EIS parameter Summary						
	BT 2.4G (L)			BT 2.4G (R)		
channel	0	39	78	0	39	78
TRP (dBm)	2.12	1.83	0.78	0.59	1.48	1.13
TIS (dBm)	-85.8	-85.03	-83.87	-84.94	-85.2	-84.39