
(PRODUCT TECHNICAL SPECIFICATION)

Electrical Specifications	
Frequency Range (MHz)	2400-2500MHz
Input Impedence (Ω)	50
V.S.W.R	≤ 1.5
Gain (dBi)	4.3dBi
Polarization Type	Vertical
Radiation Direction	Omnidirectional
Max Input Power (w)	50
Mechanical Specifications	
Antenna Length (mm)	$\varnothing 12*50\text{mm}\pm 0.5$
Bandwidth (MHz)	100
Radiator	Cuprum
Connect Type	
Mounting	Magnetic Base
Radome Color	Black
Working Temp(C)	-40~85
Weight	11.5

(MECHANICAL CHARACTERIST ICS)

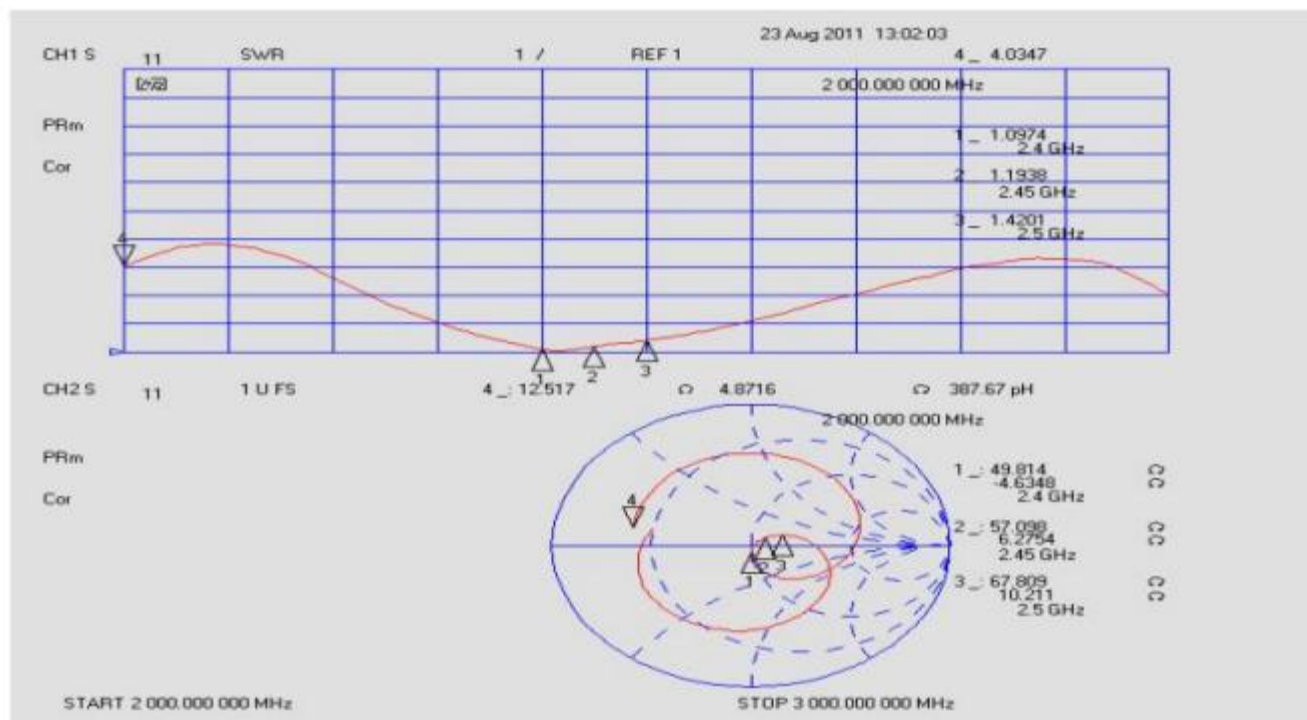
1	BENDING TEST	Put the line end of 30CM for 120g. After fixing the joint, the remote swing Angle is left and right 60 degrees, 1000 times after the test features.	No test characteristics after 1000 remote pendulum show damage to electrical performance.
2	STRENG TEST	A 15 lb static load is applied to the bottom end a minute.	No phenomenon display machine Damage of mechanical and electrical performance bad.
3	PULLING FORCE	Conduct the tension test with the tension gauge joint and the wire connection room.	The tensile tension is 7 Kg No phenomenon shows any electricity Damage of the device performance.
4	VIBRATION TEST	Vibrate for 120 minutes at 1. 10mm and 1.10 mm and 33.30Hz/sec vibration frequency in Y axis direction 120 min and Z axis direction vibration for 240 min.	No phenomenon shows any damage to the electrical performance.

(DURABILITY)

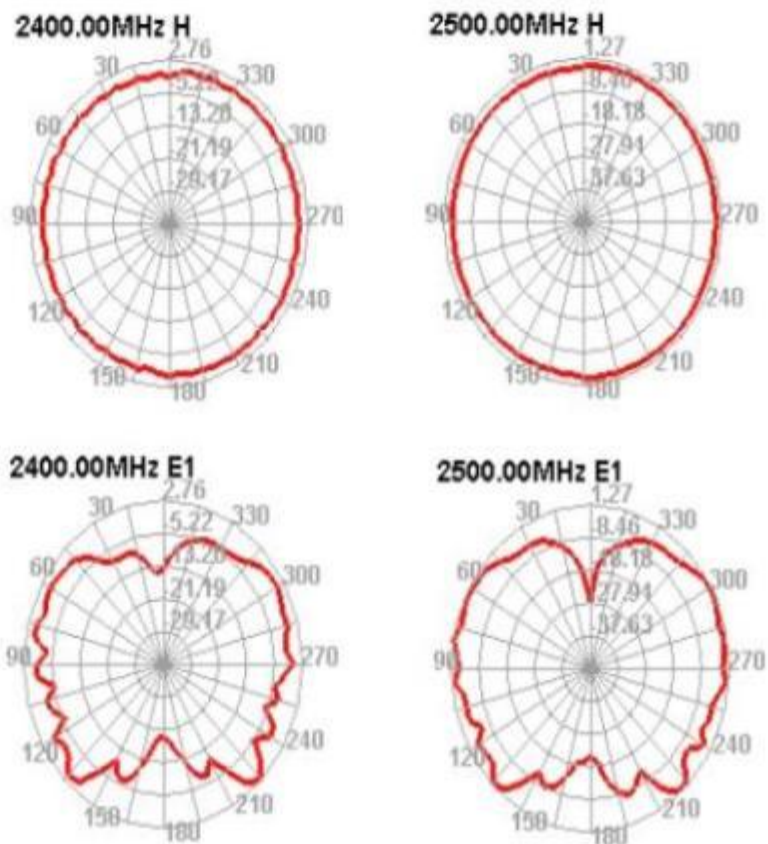
1	SAIT SPRAY TEST	Saline spray test: according to the GB1266-86 standard Distilled water: a primary distillation PH6.5~7 Spray amount: 1.4me80cm² / h Compressed air pressure: 1Kgf / cm² Test Relativity: 98° temperature:45° ~47° Pressure temperature: 35° Test time: 96hr	All specification changes paradigm Initial value value 30% All characteristic range is30% of the initial value
2	HEAT TEST	In 85 + 2°C for 96 hours and then in the normal ring The border was tested after 30 min 85+2°C for 96 hours, after keepin normal condition for 30mim the to test .	
3	HUMIDITY TEST	For 96 hours in a 40 + 2°C 90-95% RH environment, Place in a normal environment for another 30 min before testing 40+2°C 90-95%RH for 96hours,after keep in normal condition for 30mim the to test .	
4	COLD TEST	Place in the-40 + 2°C environment for 96 hours and then put in the normal environment for 30 minutes before testing -40+2°C for 96hours, after keepin normal	

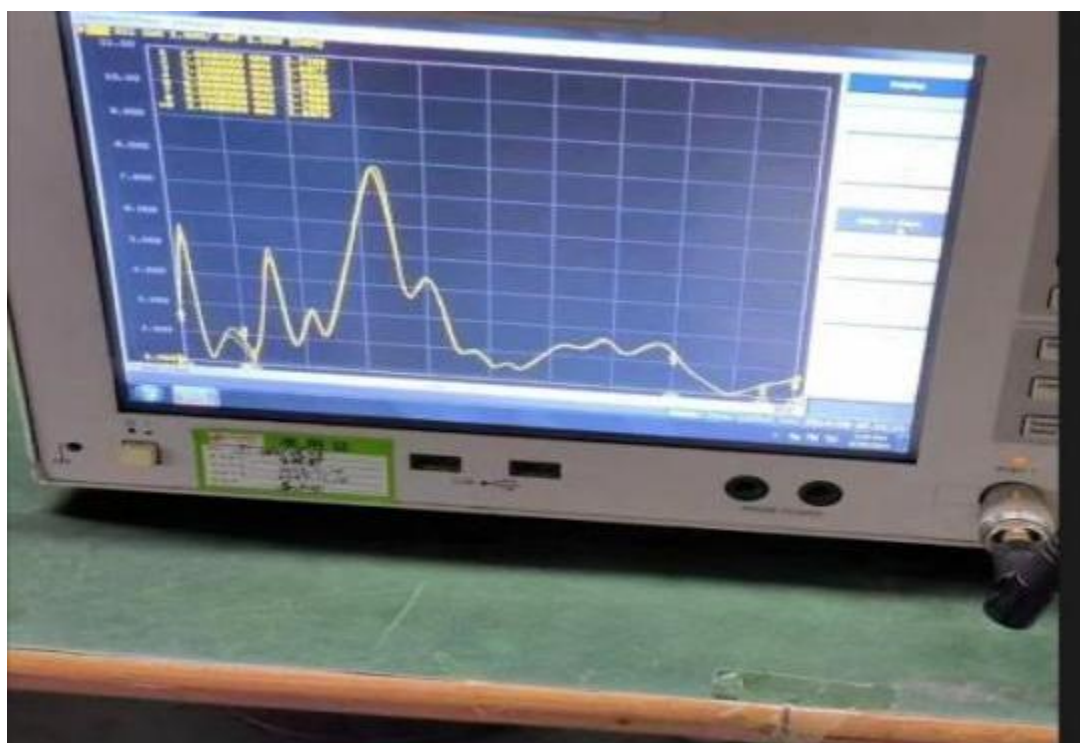
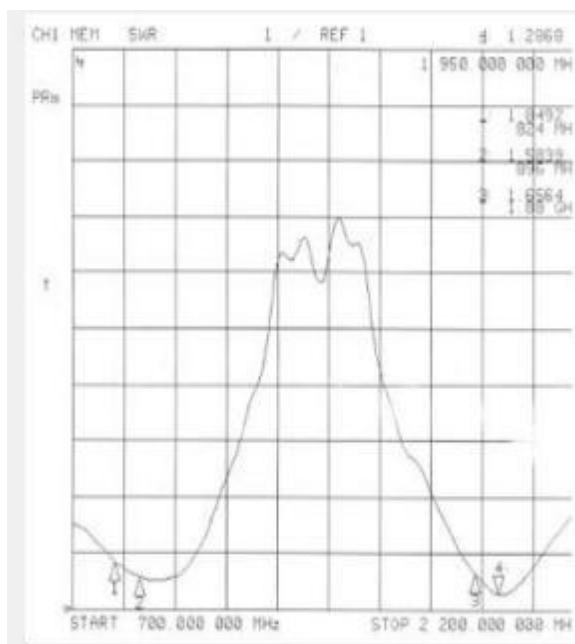
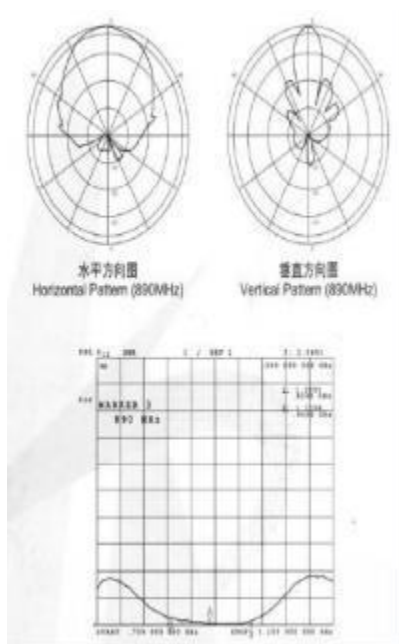
		condition for 30mim the to test .	
--	--	-----------------------------------	--

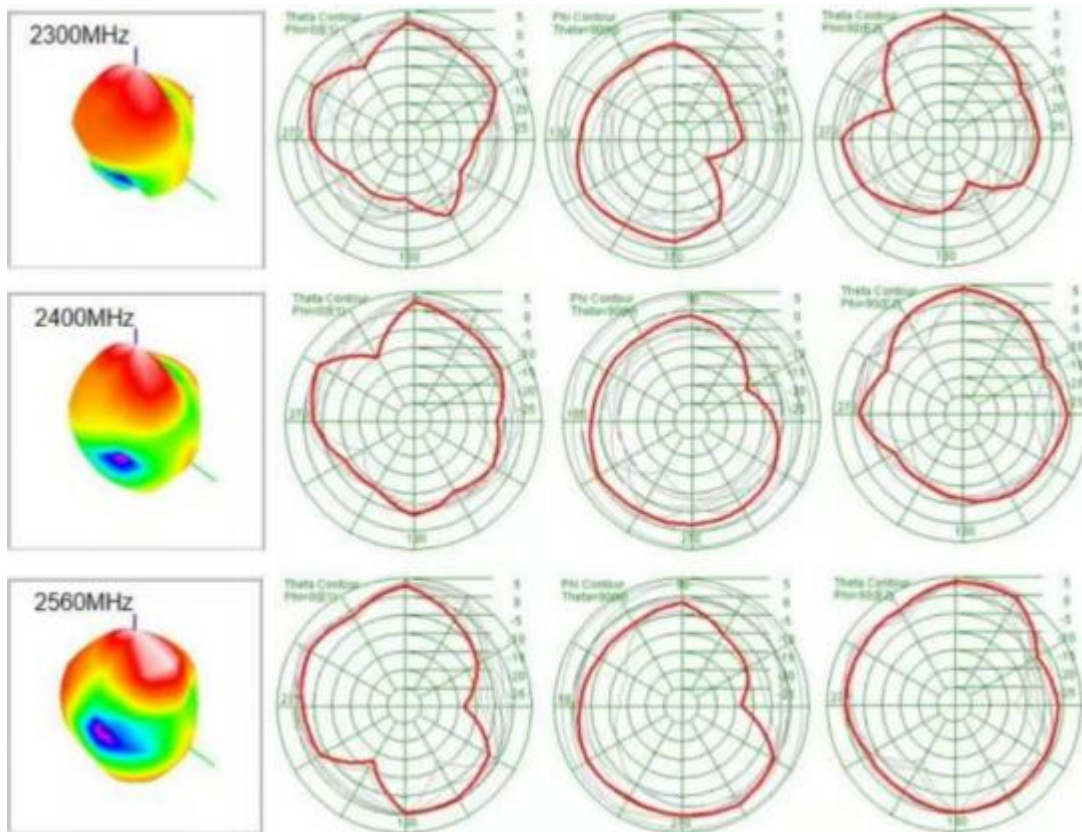
网络分析测试：



方向图：







Antenna beam diagram

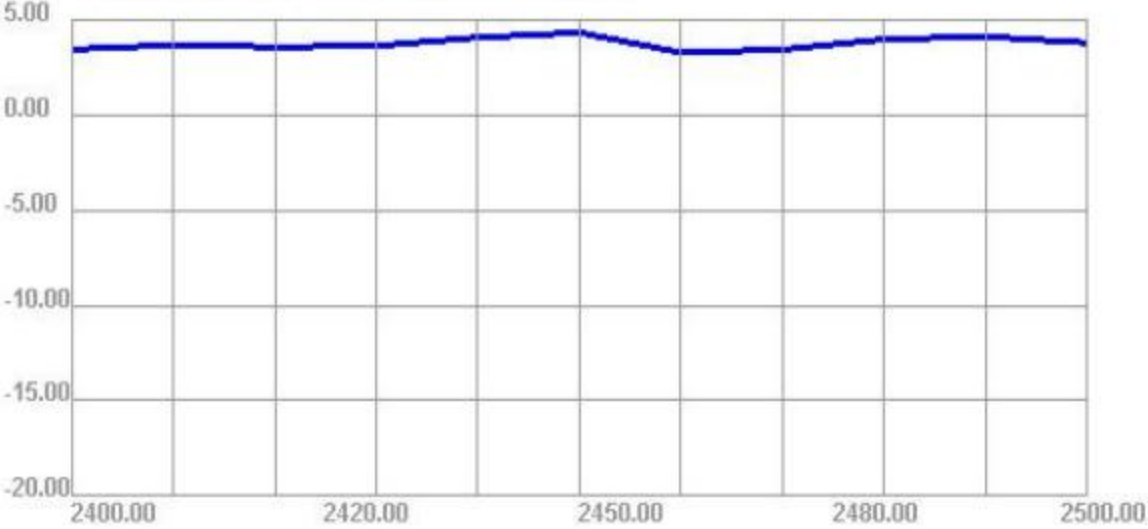
antenna gain

Application Information	
04Version	5.244.350
TotalTime	3m 39s 953ms
AdditionalInfor	NULL

Passive Test For 2.4g												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Direct ivity (dBi)	Beam width h (3dB)	AttH (dB)	AttV (dB)
2400	76.35	-1.17	3.44	1.29	40.809	35.541	3.44	-19.37	4.61	0	43	43
2410	80.08	-0.96	3.67	1.52	43.357	36.721	3.67	-18	4.64	0	43.06	43.09
2420	76.68	-1.15	3.57	1.42	41.44	35.243	3.57	-18.71	4.72	0	43.19	43.25
2430	75.9	-1.2	3.62	1.47	40.593	35.305	3.62	-20.04	4.82	0	43.18	43.2
2440	81.55	-0.89	4.06	1.91	42.856	38.693	4.06	-18.96	4.95	0	43.26	43.26
2450	85.16	-0.7	4.30	2.17	44.323	40.834	4.32	-16.61	5.02	0	43.34	43.32

2460	67.11	-1.73	3.27	1.12	34.963	32.148	3.27	-15.77	5	0	43.06	43.12
2470	70.76	-1.5	3.43	1.28	37.123	33.633	3.43	-14.08	4.93	0	43.03	43.1
2480	80.85	-0.92	3.97	1.82	42.679	38.168	3.97	-12.7	4.89	0	43.28	43.33
2490	83.44	-0.79	4.11	1.96	44.031	39.409	4.11	-12.15	4.9	0	43.34	43.38
2500	77.78	-1.09	3.79	1.64	41.08	36.699	3.79	-12.64	4.88	0	43.41	43.47

2400.00MHz - 2500.00MHz Gain



2400.00MHz - 2500.00MHz Efficiency

