

A司南微电子（深圳）有限公司
SINAWELL Electronics (Shenzhen)Co.,LTD

Antenna passive measurement

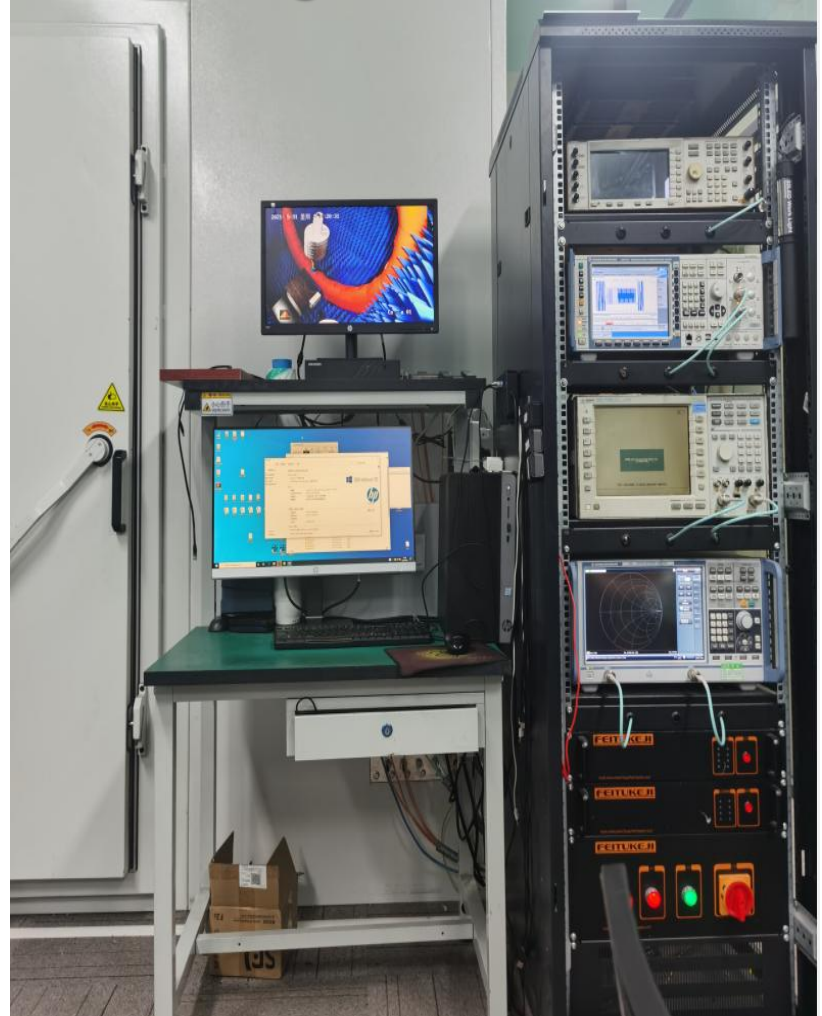
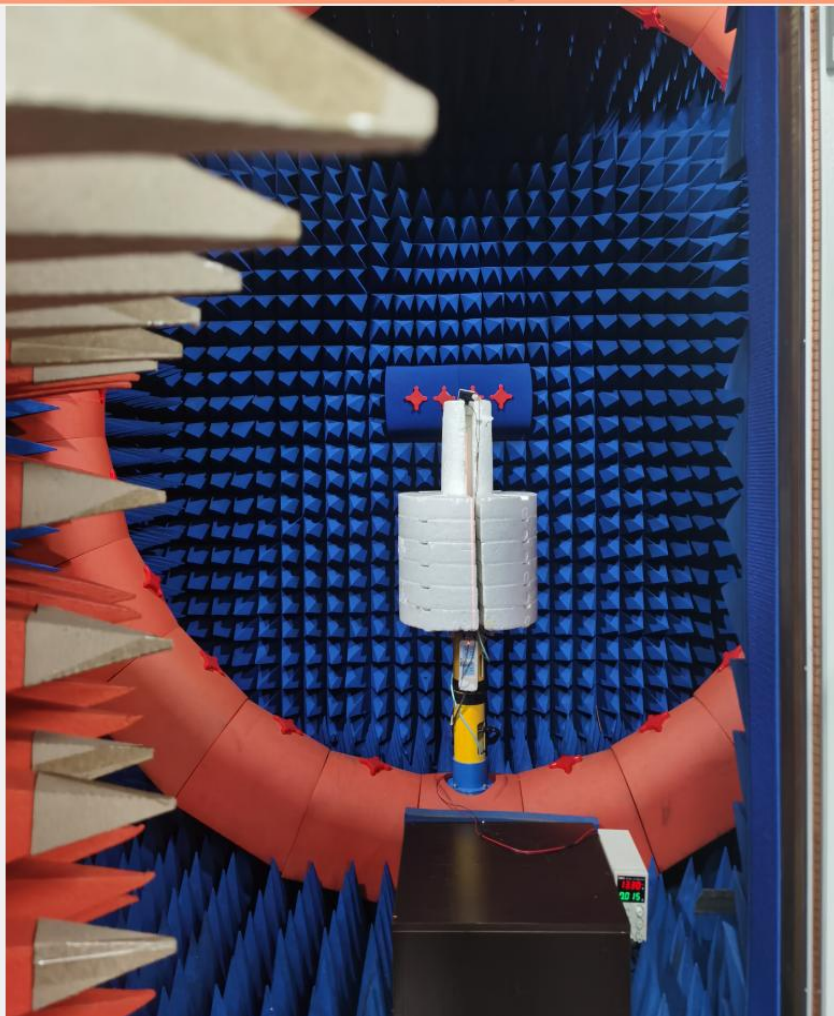
CUSTOMER: CPDEVICE
CPDEVICEMODEL: SPRING2 10PRO

antenna passive measurement

Customer name	<u>Cpdevice</u>	item	SPRING2 10PRO
NO	item	Parameters	
1	Frequency	2400-2500MHZ	
2	Project type	SN1255	
4	Feed point type	IPEX	
5	Antenna type	FPC + cable	
6	working temperature	-40°C ~ +85°C	
7	Withstand power	≤50W	
8	Antenna impedance	50 Ω	
9	Antenna polarization	Linear polarization	
10	SWR	<u>Typ</u> ≤2	
11	Wire material	RG133	
12	Total length	90mm	

testing facility

16 probe microwave anechoic chamber
CMW500 Comprehensive measuring instrument



Equipment Under

SPRING2 10PRO

front



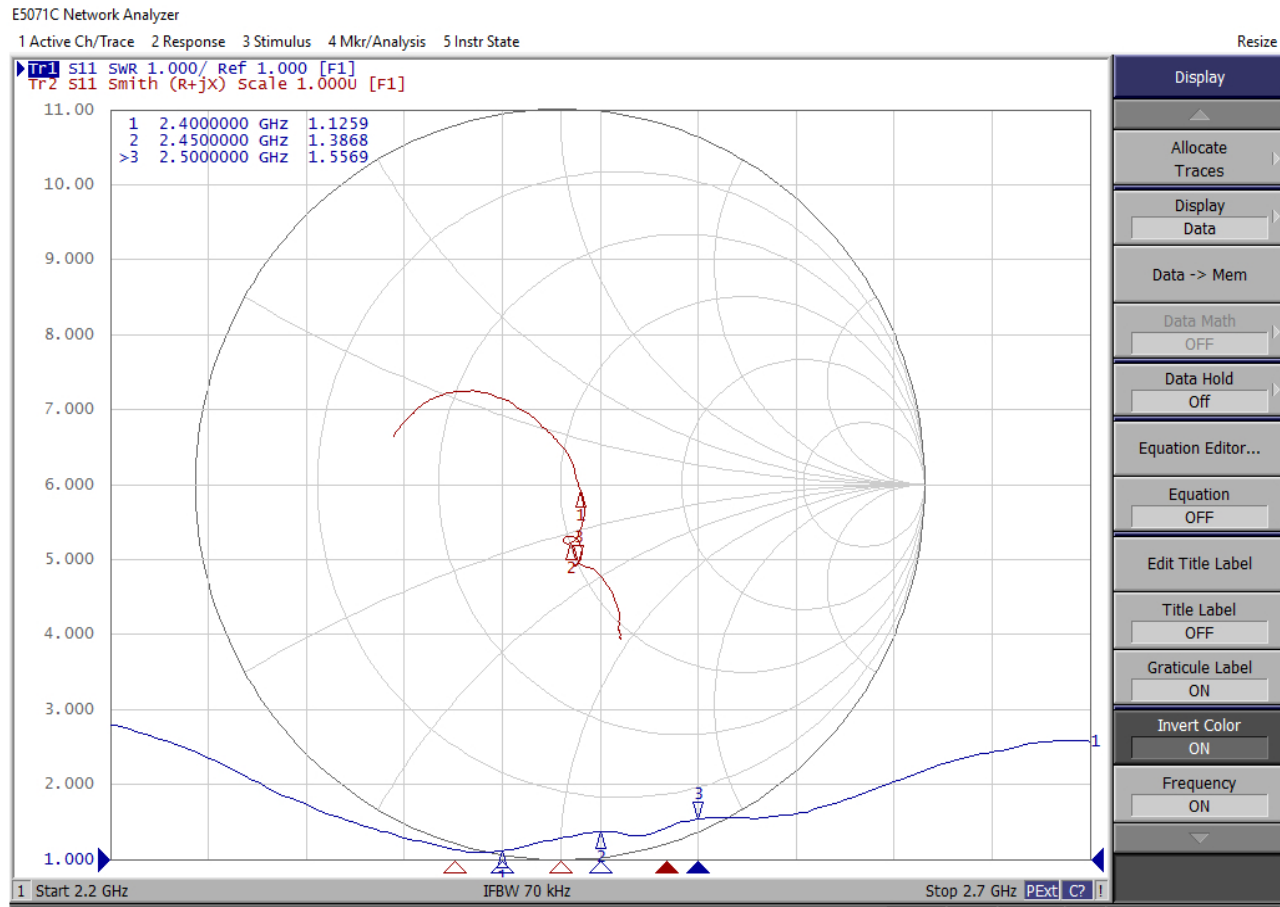
the back



WIFI Antenna Photo



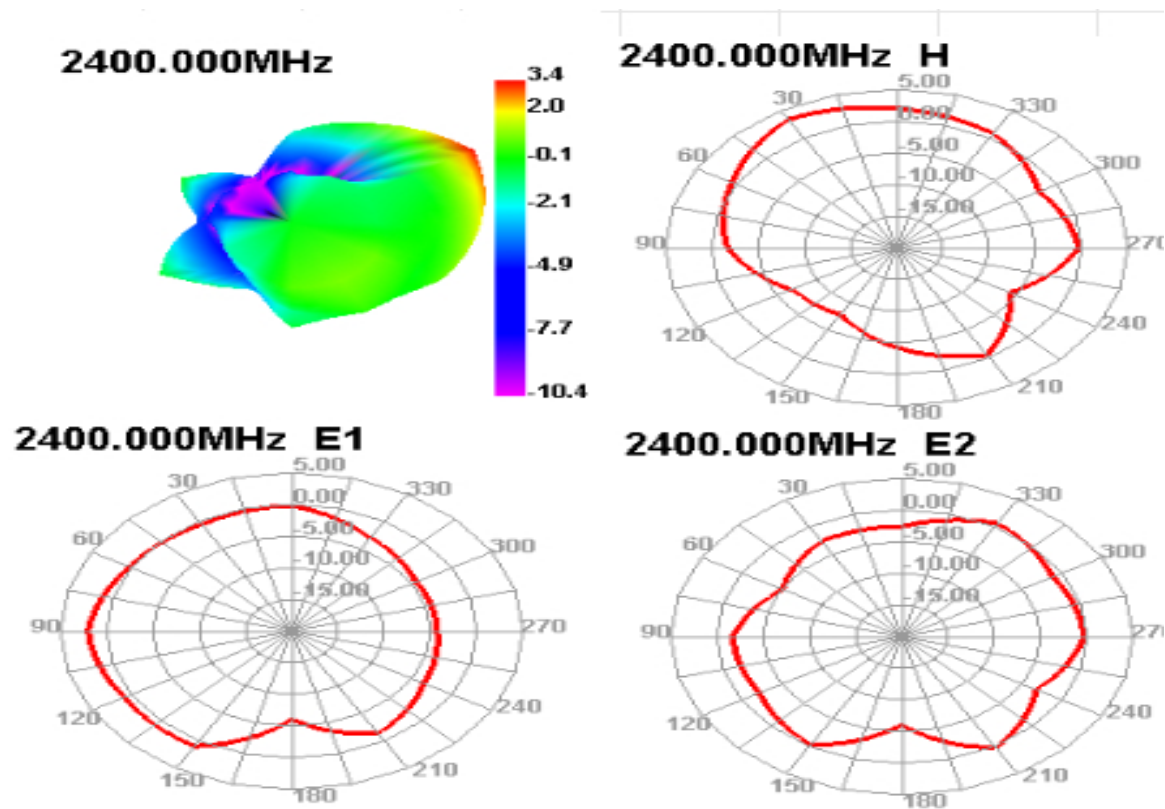
WIFI Antenna SWR Chart



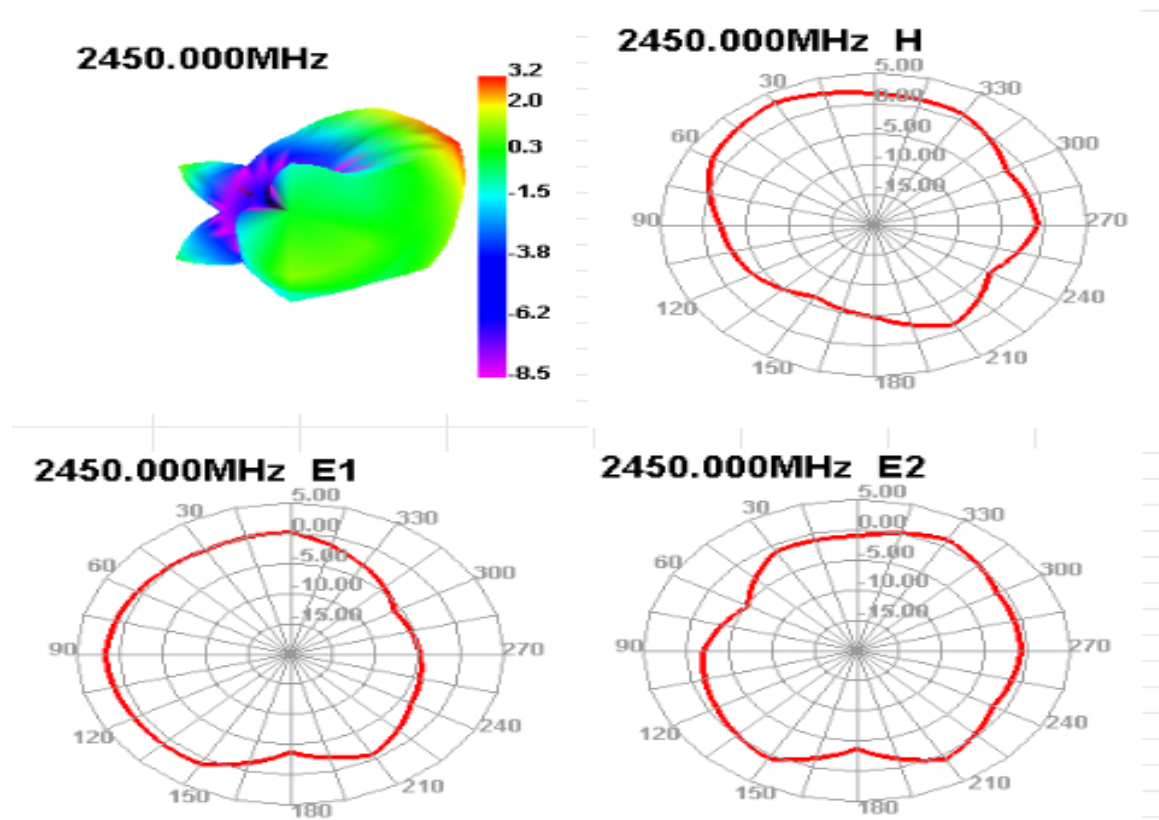
WIFI Antenna passive test data

Frequency ID	Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
1	2400.0	-3.85	1.92	41.24
2	2410.0	-4.61	1.20	34.59
3	2420.0	-3.38	2.47	45.91
4	2430.0	-4.15	1.70	38.48
5	2440.0	-3.09	2.88	49.10
6	2450.0	-3.63	2.41	43.38
7	2460.0	-2.68	3.47	54.00
8	2470.0	-3.00	3.27	50.11
9	2480.0	-2.58	3.84	55.17
10	2490.0	-2.60	3.83	54.98
11	2500.0	-2.52	3.91	55.93

WIFI Antenna directional diagram 2400MHZ

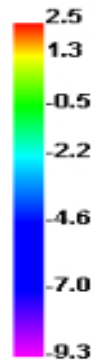
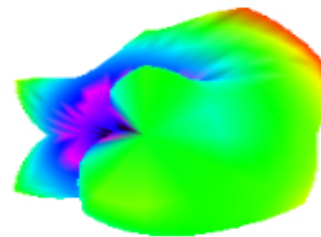


WIFI Antenna directional diagram 2450MHz

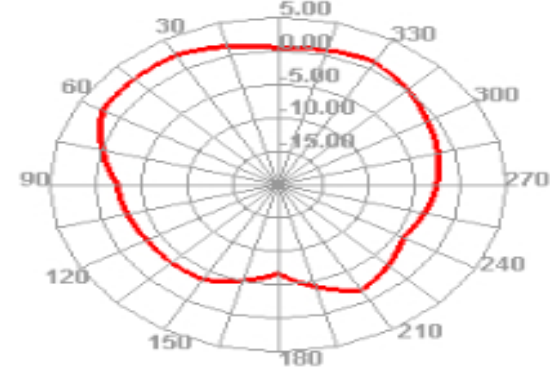


WiFi Antenna directional diagram 2500MHz

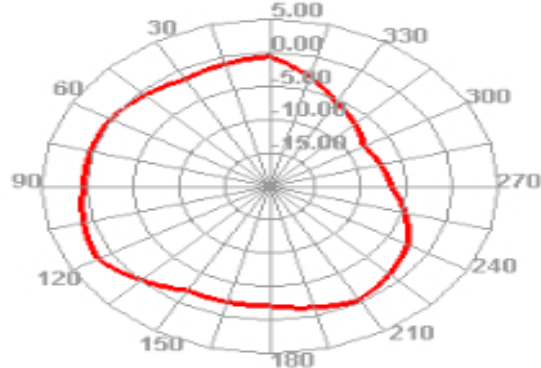
2500.000MHz



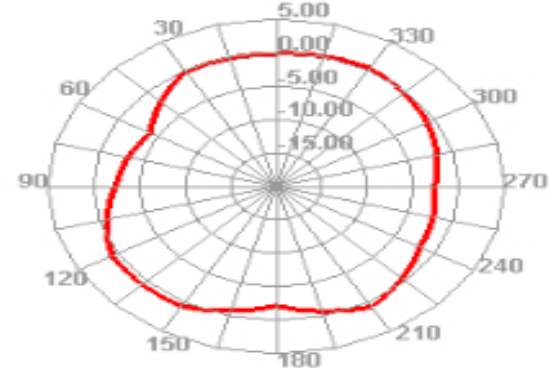
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



WIFI Antenna structure drawing

