



Acknowledgment Letter

SPECIFICATION FOR APPROVAL

CUSTOMER NAME: Langqiang

product name

PRODUCT NAME: WIFI dual antenna ANT1 second-generation terminal

line length 40MM

Customer part number

CUSTOMER P/N:

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Yan Peihao	
APPROVED BY:	Feng Juan	
DATE:	2023.2.3	

Address: Room 401-407, Building A, Jinfulai Building, Dabao Road, District 28, Bao'an District,
Shenzhen

Phone: 0755-27728733

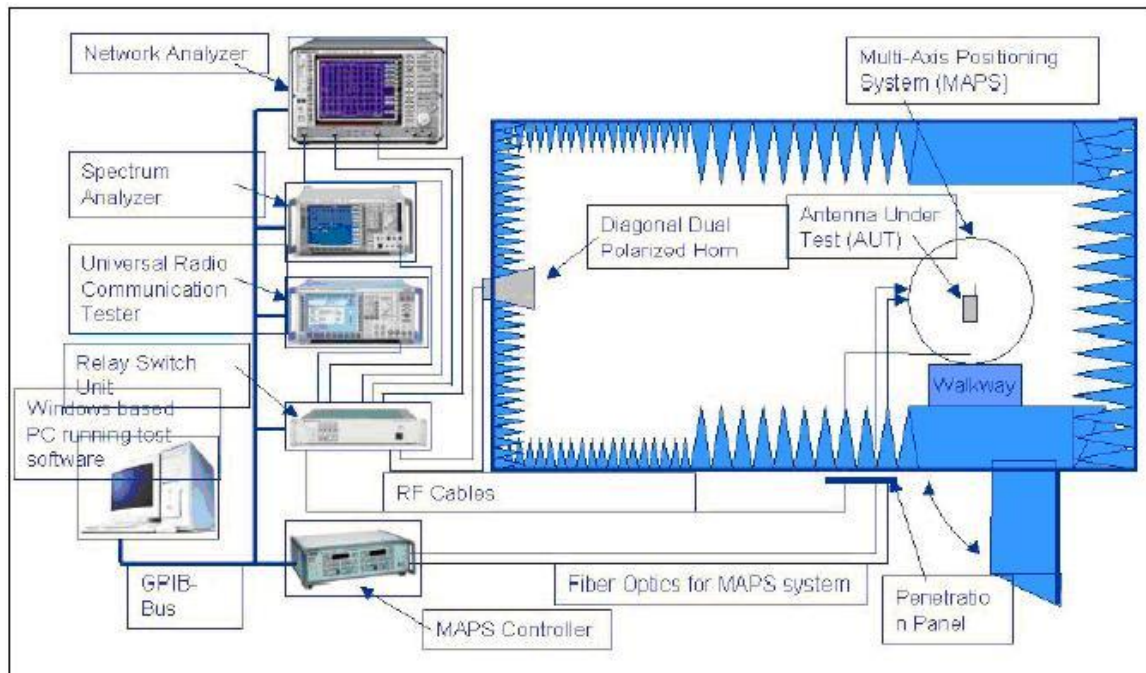
Fax:0755-27805416



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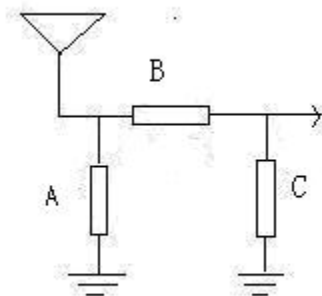
<i>Item</i>	<i>Description</i>
1.	Testing instruments and environment
2.	matching circuit
3.	Machine and antenna pictures
4.	S11 circle diagram
5.	Antenna Passive Performance - 3D Total Gain Pattern
6.	Antenna Passive Performance - 2D Total Gain Pattern
7.	Efficiencygain
8.	Line sample diagram

1 . Test instrument and environment: CTIA 743 darkroom, 8960/5515C, with the phone placed backwards at a turntable 4 meters away from the standard horn antenna



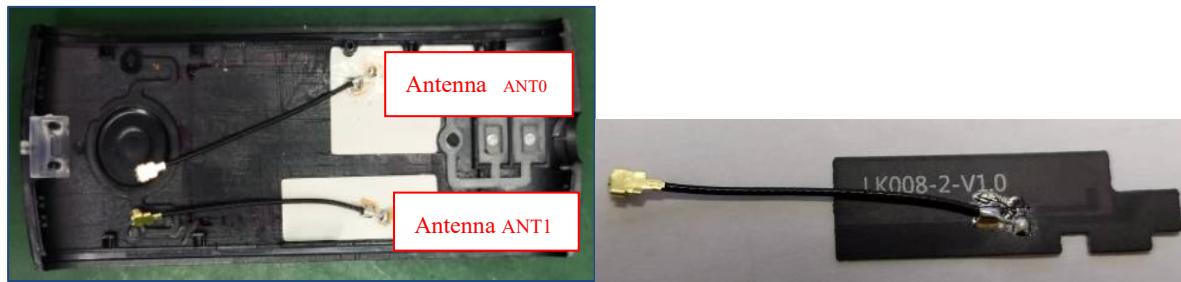
2、 matching circuit

No matching circuit added.

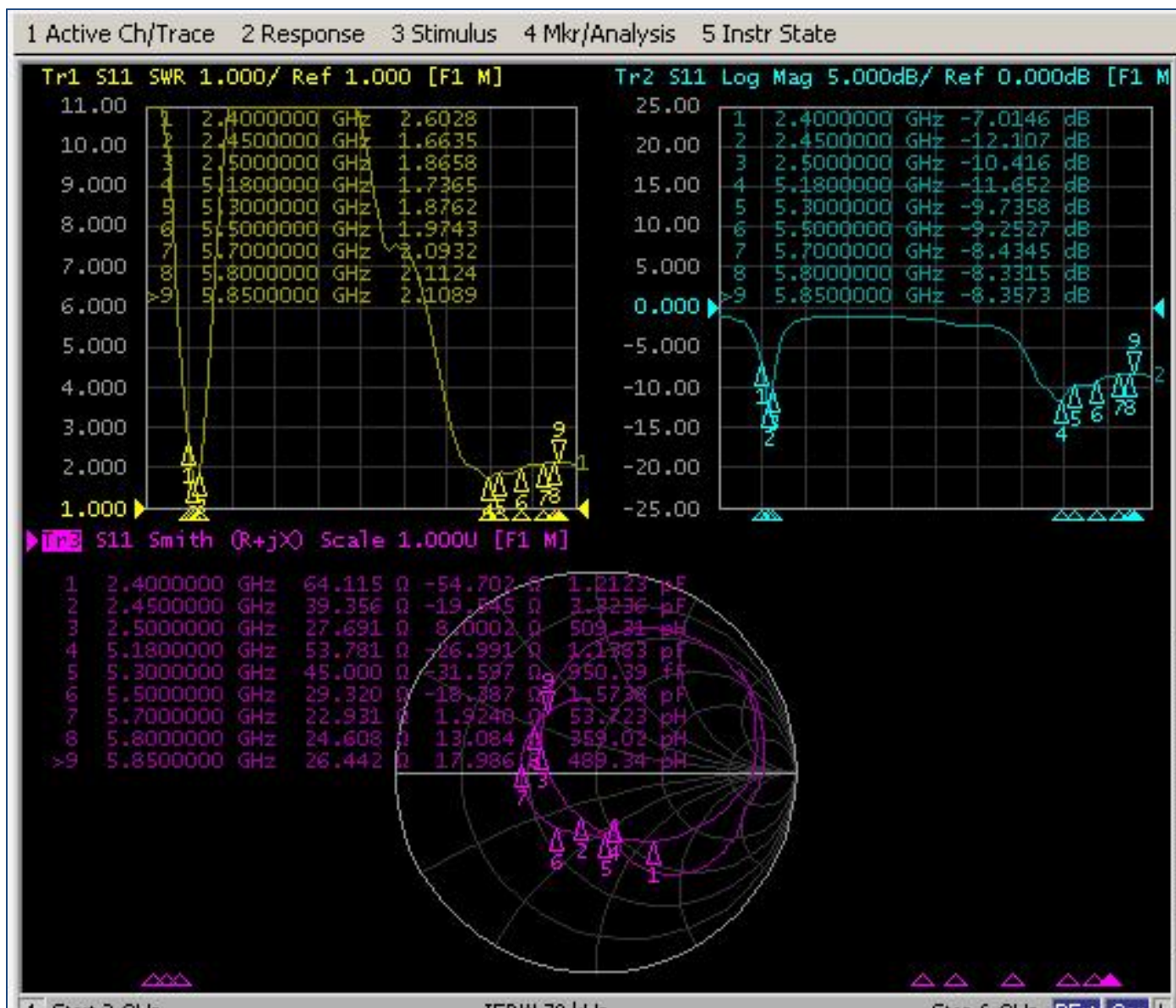


matching circuit	A	B	C
numerical value	NF	0ohm	NF

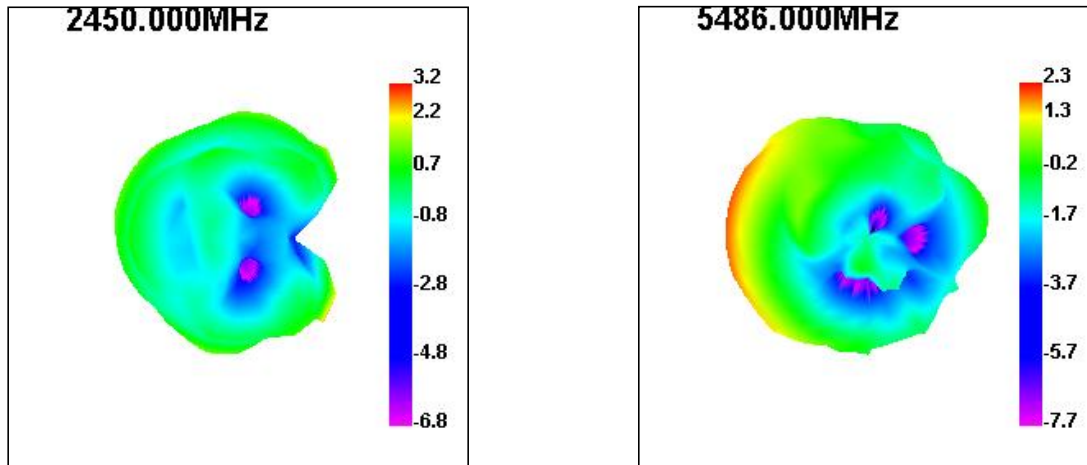
3. Machine antenna image:



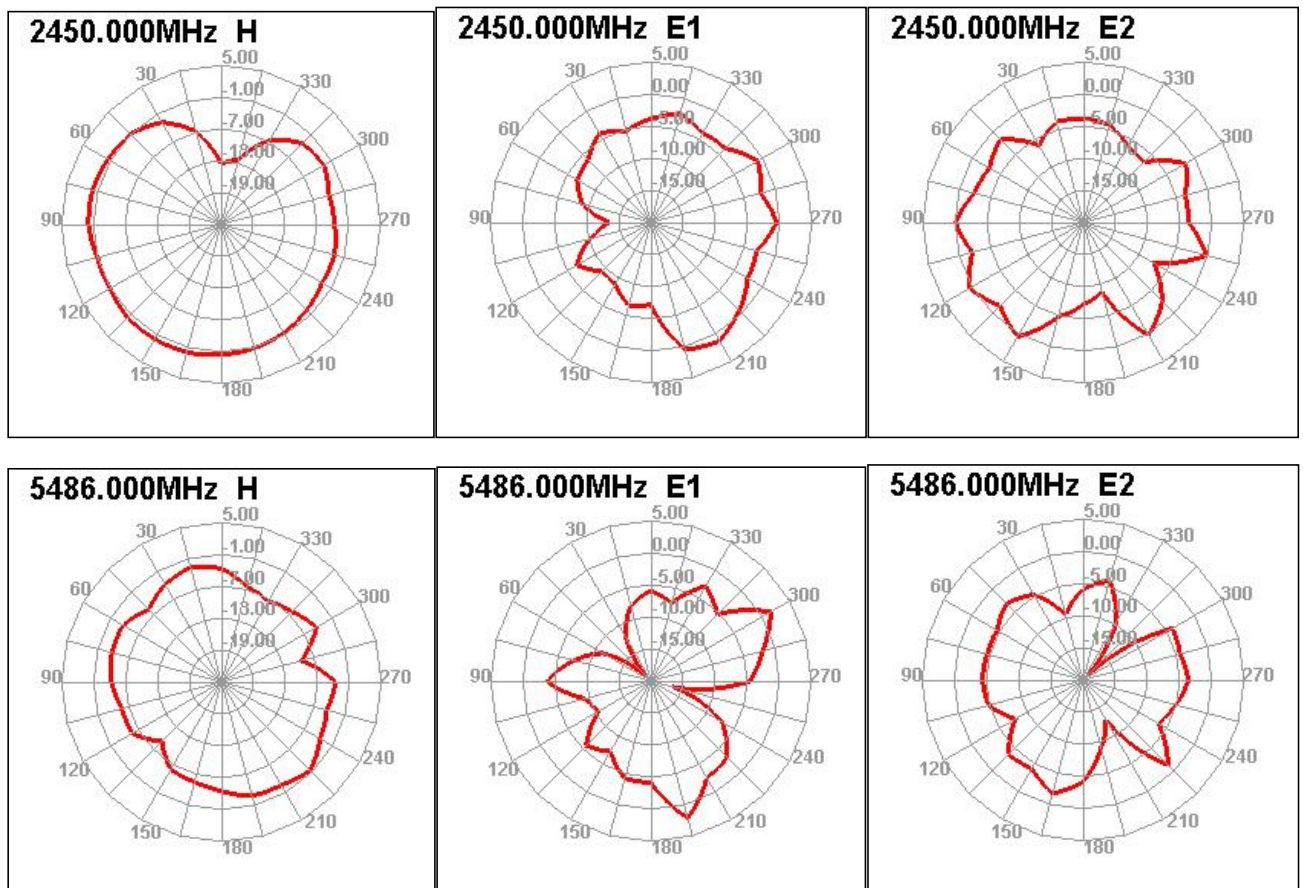
4. Antenna ANT1 S11, ReturnLoss, Smith circular diagram:



5. Antenna Passive Performance - 3D Total Gain Pattern



6. Antenna Passive Performance - 2D Total Gain Pattern





7. Antenna ANT1 efficiency gain:

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	45.48	2.63	5150	52.58	2.65
2405	45.21	2.65	5178	46.47	2.34
2410	45.59	2.54	5206	53.24	2.86
2415	46.21	2.39	5234	53.18	2.84
2420	46.2	2.29	5262	48.58	2.31
2425	45.35	2.22	5290	51.74	2.52
2430	44.4	1.95	5318	48.62	1.92
2435	43.19	1.64	5346	48.69	1.59
2440	42.67	1.57	5374	52.67	1.63
2445	41.99	1.4	5402	54.18	1.37
2450	39.61	1.02	5430	48.86	0.82
2455	40.79	1.21	5458	52.61	1.04
2460	41.77	1.33	5486	45.77	0.86
2465	41.77	1.36	5514	46.33	1.2
2470	40.82	1.42	5542	44.85	1.43
2475	40.82	1.54	5570	45.64	1.54
2480	40.39	1.58	5598	49.45	1.84
2485	39.89	1.53	5626	55.81	2.15
2490	41.35	1.67	5654	53.48	2.2
2495	41.15	1.75	5682	58.08	2.38
2500	40	1.72	5710	57.05	2.51
			5738	55.13	2.93
			5766	54.3	3.44
			5794	52.29	3.26
			5822	52.89	3.52
			5850	49.07	3.32



8.Line plot

