



ONE PLUS ONE
Wireless Communication

Shenzhen One Plus One Wireless Communication Technology Co., Ltd



测试报告

client	project name	RF leading official	contact way	Test date
graceful	R2	Liu Kui	18975099782	20240708

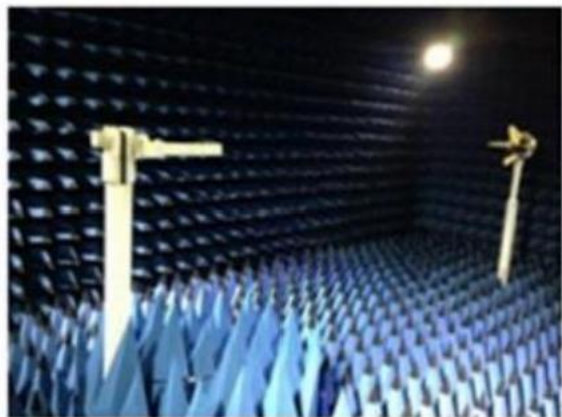
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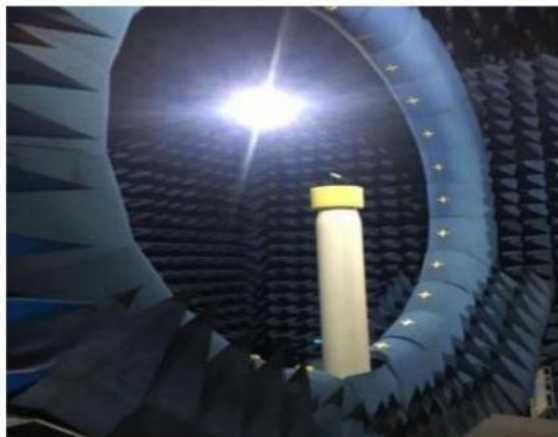
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Wireless Communication

testing facility



ETS darkroom



SATIMO Dark room



Head hand mold



8820C 综测仪



E5071B Network analyzer



CMW 500
Comprehensive survey
instrument

test macro

testing

Active test

Passive test

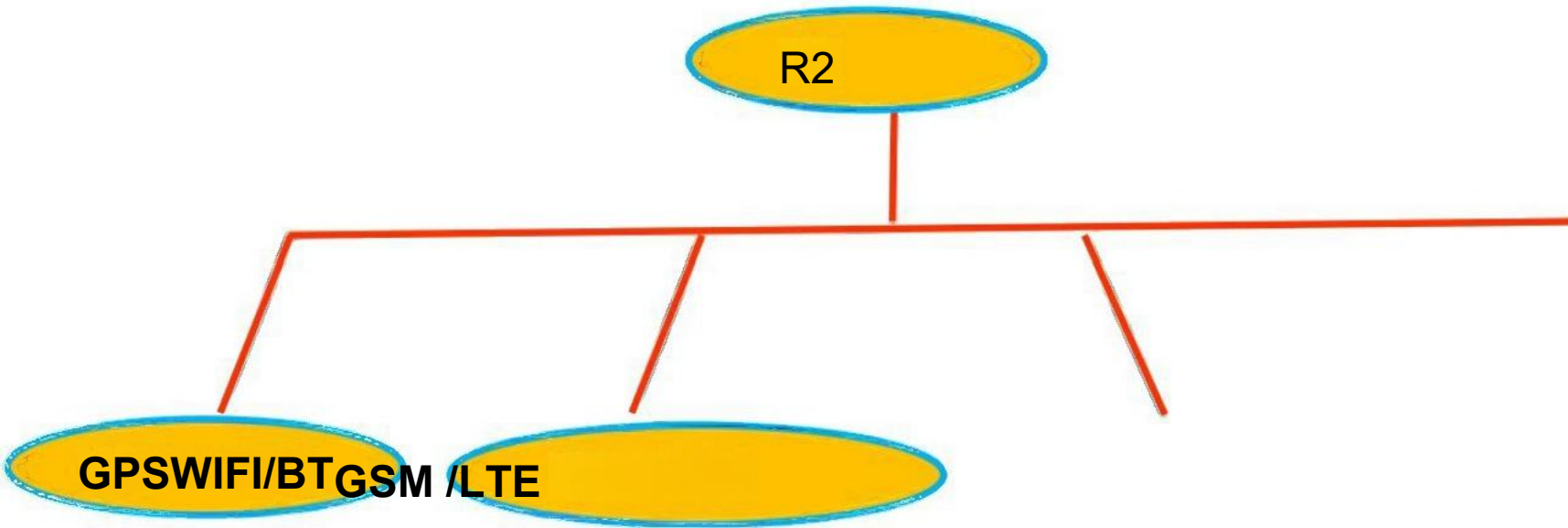
	environment		
SATIM 0 ETS	temperature:22℃ ±2℃ Humidity: 50% ± 15%	2G/3G/4G/WIFI/BT	600MHZ-6GHZ

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Wireless Communication

entry specification



Antenna mode: LDS



整机图片

[illegible]

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OTA with human hand test data- Freespace

The beautiful version					European version			
	LTE2 TRP			LTE2 TIS		LTE1TRP		LTE1 TIS
	18650	18900	19150	1150		18050	18300	18550
	1855	1880	1905	1985		1925	1950	1975
	13.35	13.9	13.68	-84.25		12.08	13.46	13.29
	LTE4 TRP			LTE4 TIS		LTE3 TRP		LTE3 TIS
	20000	20175	20350	2350		19250	19575	19900
	1715	1732.5	1750	2150		1715	1747.5	1780
	10.51	10.15	10.91	-87.71		10.79	10.36	10.91
	LTE5 TRP			LTE5 TIS		LTE7 TRP		LTE7 TIS
	20450	20525	20600	2600		20800	21100	21400
	829	836.5	844	889		2505	2535	2565
	6.86	6.75	6.89	-83.75		10.82	10.74	11.45
	LTE7 TRP			LTE7 TIS		LTE8 TRP		LTE8 TIS
	20800	21100	21400	3400		21500	21625	21750
	2505	2535	2565	2685		885	897.5	910
	10.63	10.13	10.71	-88.32		6.81	6.65	6.79
	LTE12 TRP			LTE12 TIS		LTE20 TRP		TE20 TIS
	23060	23095	23130	5130		24200	24300	24400
	703	706.5	710	740		837	847	857
	2.81	2.66	2.23	-75.97		4.61	4.5	5.04
	LTE17 TRP			LTE17 TIS		LTE28 TRP		LTE28 TIS
	23780	23790	23800	5800		27260	27435	27610
	709	710	711	741		708	725.5	743
	2.88	2.79	2.29	-76.11		3.67	2.24	2.63

							LTE41		
							TRP		
							40620		
							2593		
							11.56		

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OTA with human hand test data- Freespace

	Band		G850	G900	G1800	G1900	W2100	W1900	W1700	W900	W850
	Gain	(dBi)	-5.43	-5.27	-5.66	-4.31	-4.88	-4.59	-4.76	-5.34	-5.17
	Band		B1	B2	B3	B4	B5	B7	B8	B20	B12
	Gain	(dBi)	-3.88	-3.91	-3.84	-3.67	-4.61	-3.02	-3.22	-3.91	-4.12
	Band		B17	B28	B66	B41					
	Gain	(dBi)	-4.35	-4.38	-3.01	-2.84					

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OTA with human hand test data- Freespace

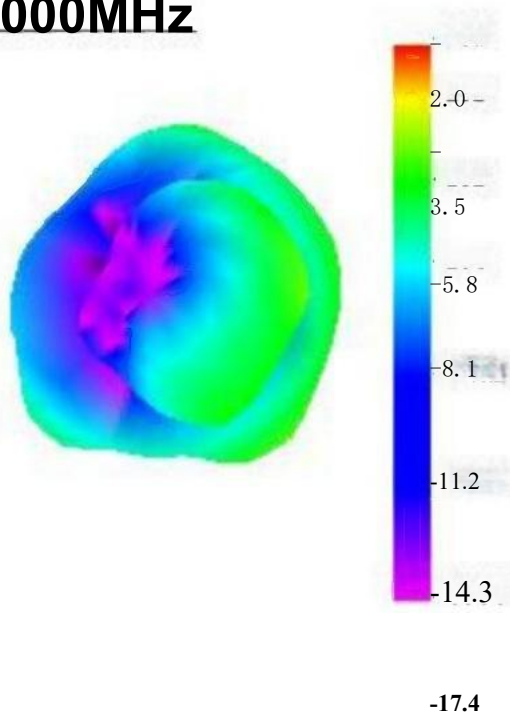
Passive Test For BT5.0			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	21.79	-6.62	-2.3
2410	23.8	-6.23	-2.07
2420	23.44	-6.3	-2.22
2430	24.89	-6.04	-1.99
2440	22.95	-6.39	-2.21
2450	22.06	-6.56	-2.06
2460	23.84	-6.23	-1.73
2470	23.59	-6.27	-2.18
2480	25.74	-5.89	-1.66
2490	23.66	-6.26	-2.42
2500	25.25	-5.98	-1.94

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2400.000MHz



2410.000MHz

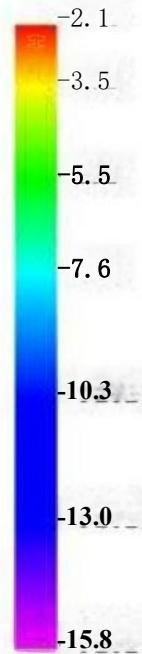
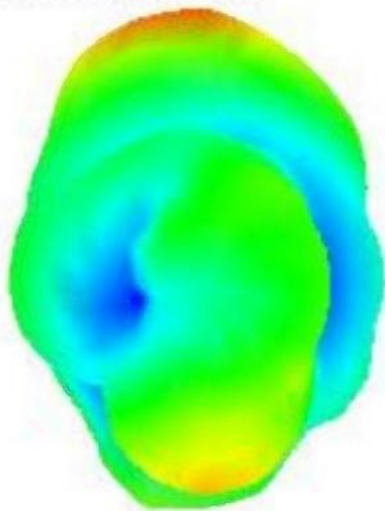
-
1.6
-
3.2
-5.7
-8.1
-11.3
-14.6
-17.8

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2400.000MHz



2410.000MHz

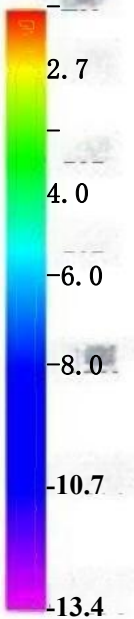
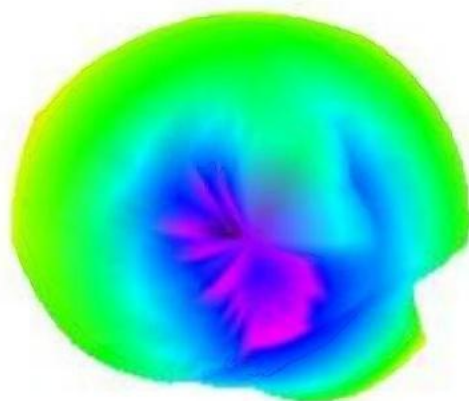
-
2.7
-
4.2
-6.4
-8.6
-11.5
-14.4
-17.3

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2400.000MHz



-16.1

2410.000MHz

-1.7

-2.9

-4.8

-6.7

-9.2

-11.7

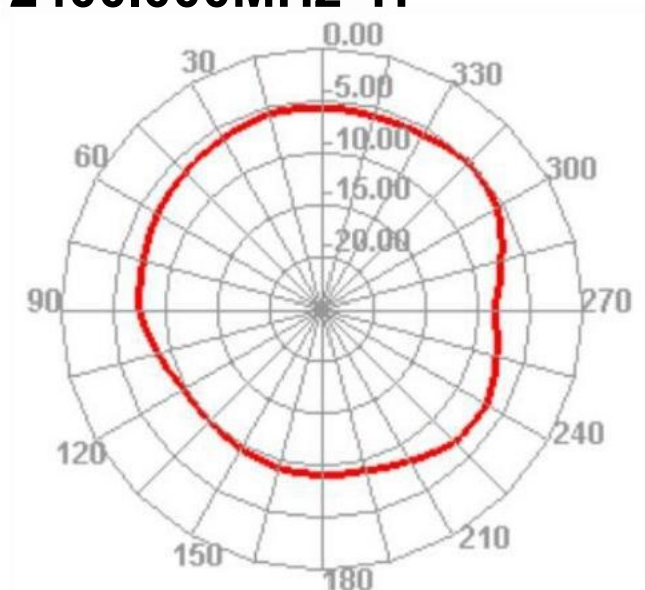
14.3

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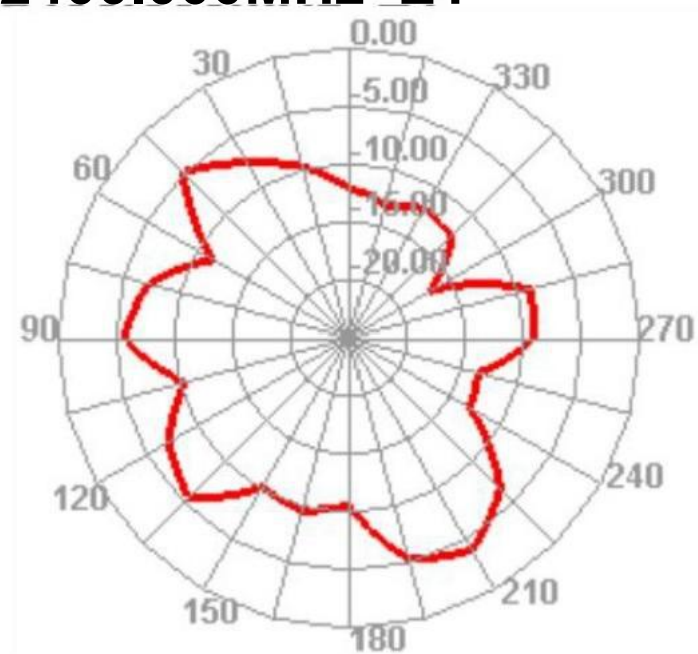


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2400.000MHz H



2400.000MHz E1

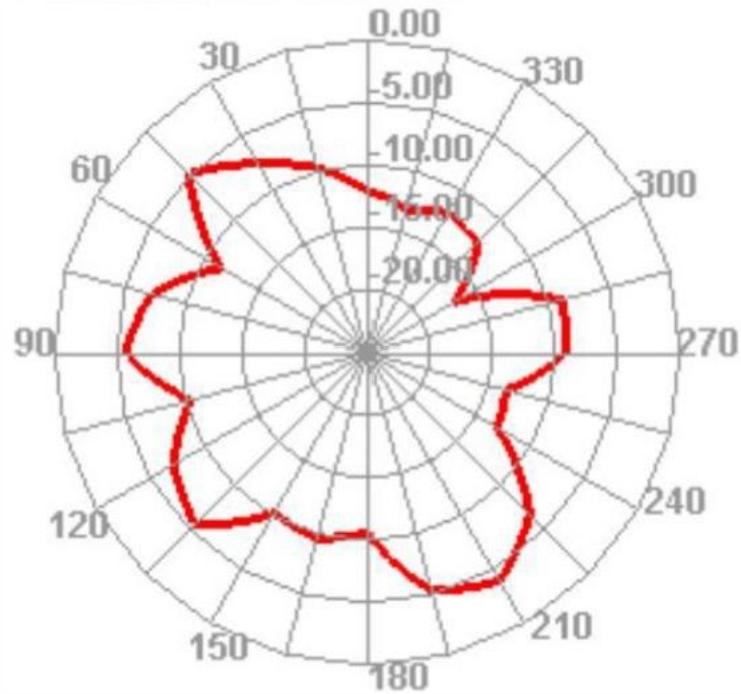




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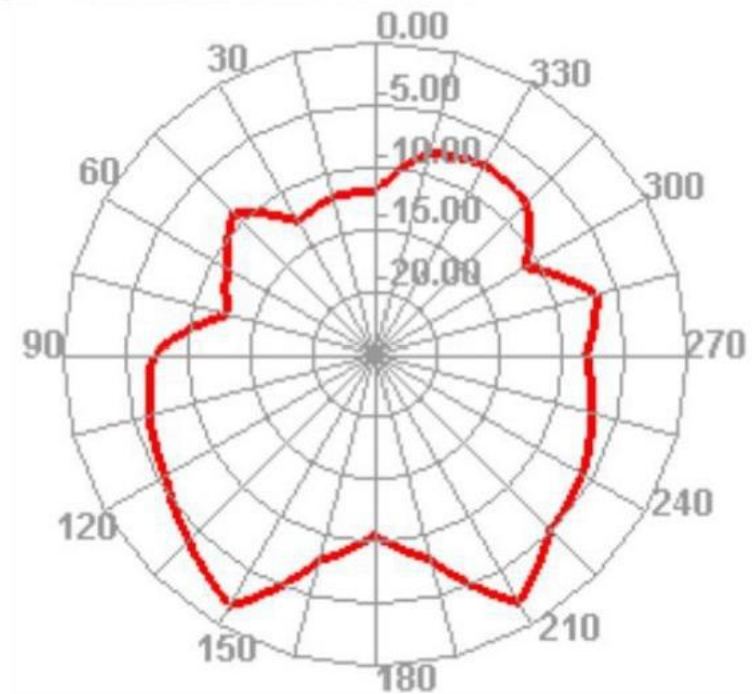
2400.000MHz

E1



2410.000MHz

E2



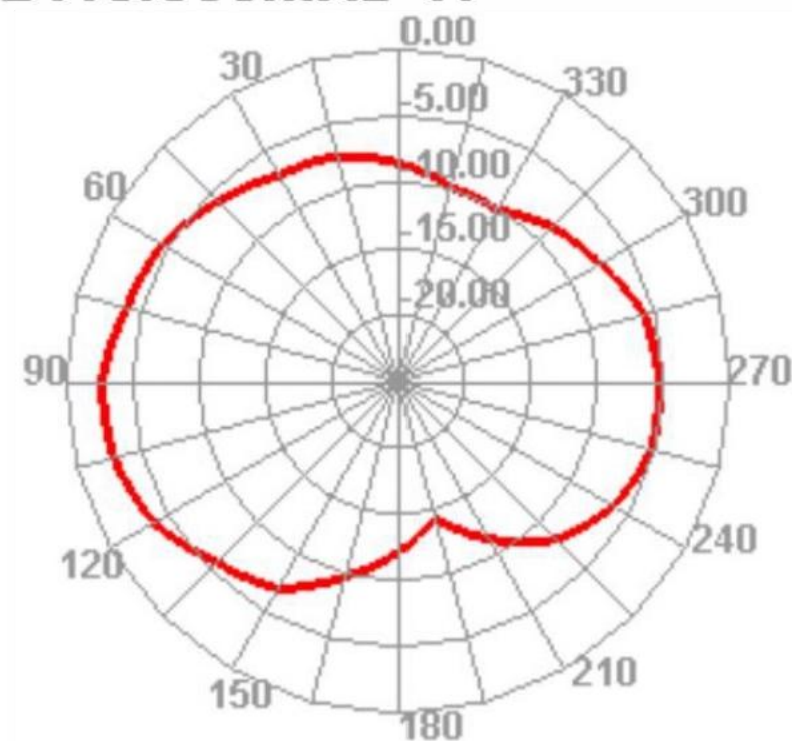
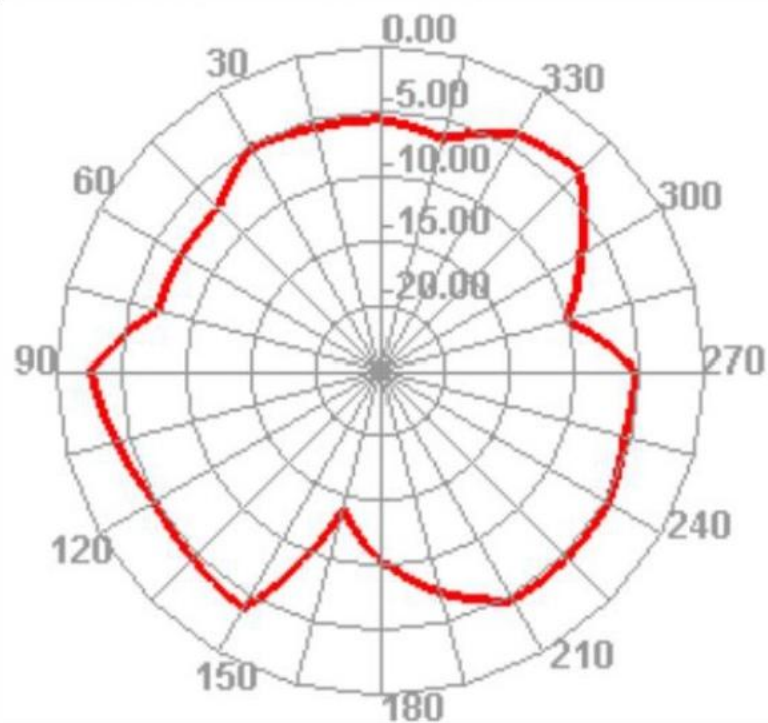


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2410.000MHz

E22410.000MHz

H





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ONEGPS with a human hand test



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American switch logic

RF10 Euro 2G / B2 / B5 / 3G / W2 / 4 / 5 /
4G / B2 / 4 / 5 / 7 / 66RF210NH **B12/17/13**



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European version switch logic

RF10 Euro 2G / 900 / 1800 / 3G / W1 / 8 / 4G / B1
/ 3 / 7 / 8 / 20 / 41

RF2 10NH B28

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Switch match

R0418=10NH
R0409=0 O'm



RB7



R041

8

R040

9



The remaining antenna matching remains
unchanged

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Environmental treatment



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