

深圳市亿圣邦科技有限公司

Shenzhen Yishengbang Technology Co., Ltd



Customer: Jinghua

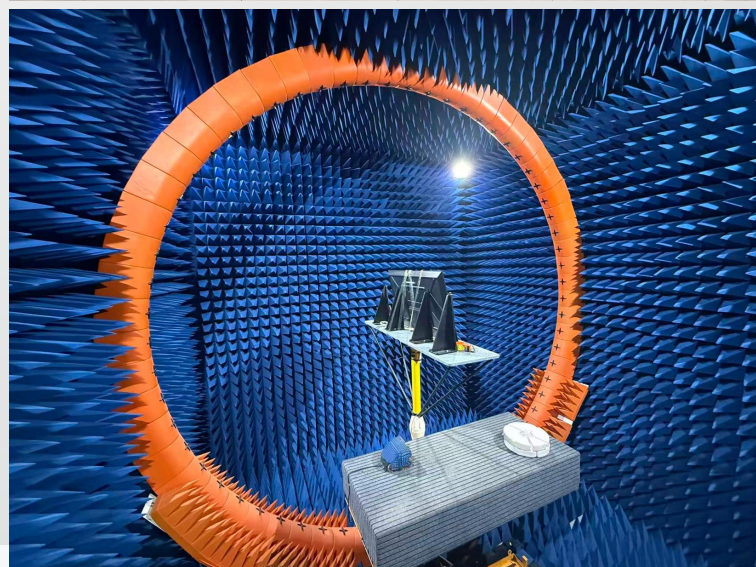
Project: T105

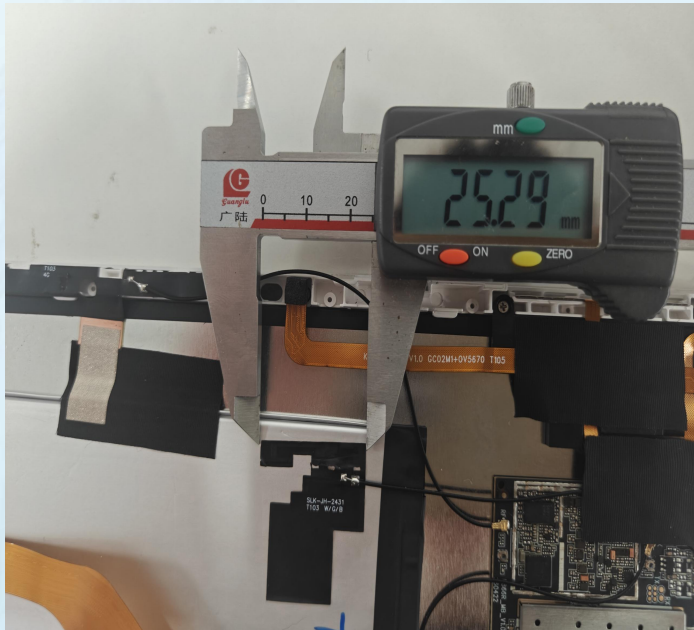
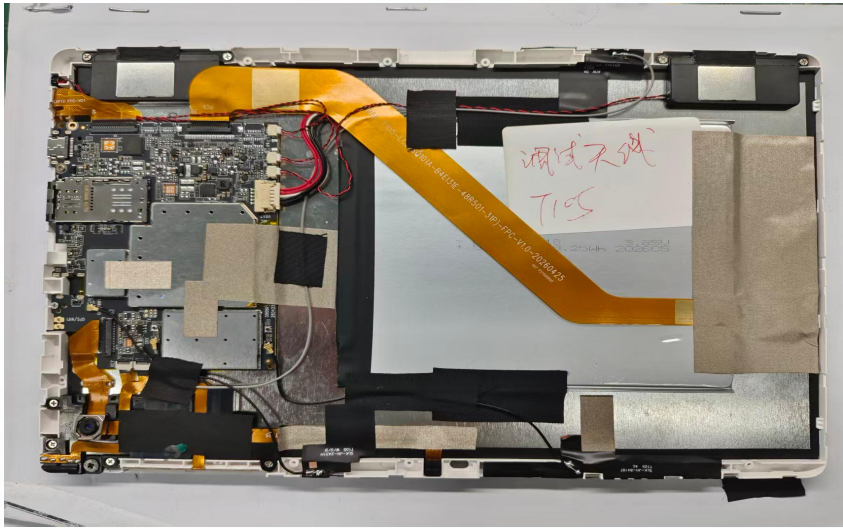
Report Version: V2.0

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Prepared by: Zhan Yuchang

Checked by: Huang Zhen



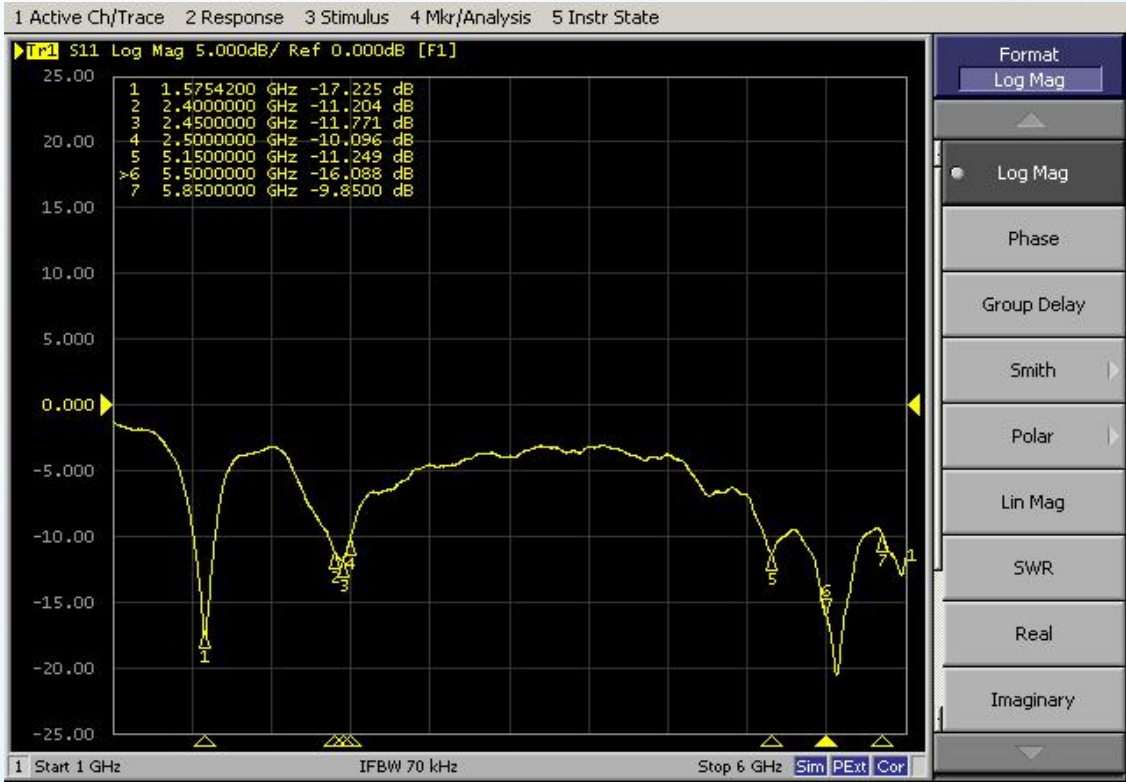
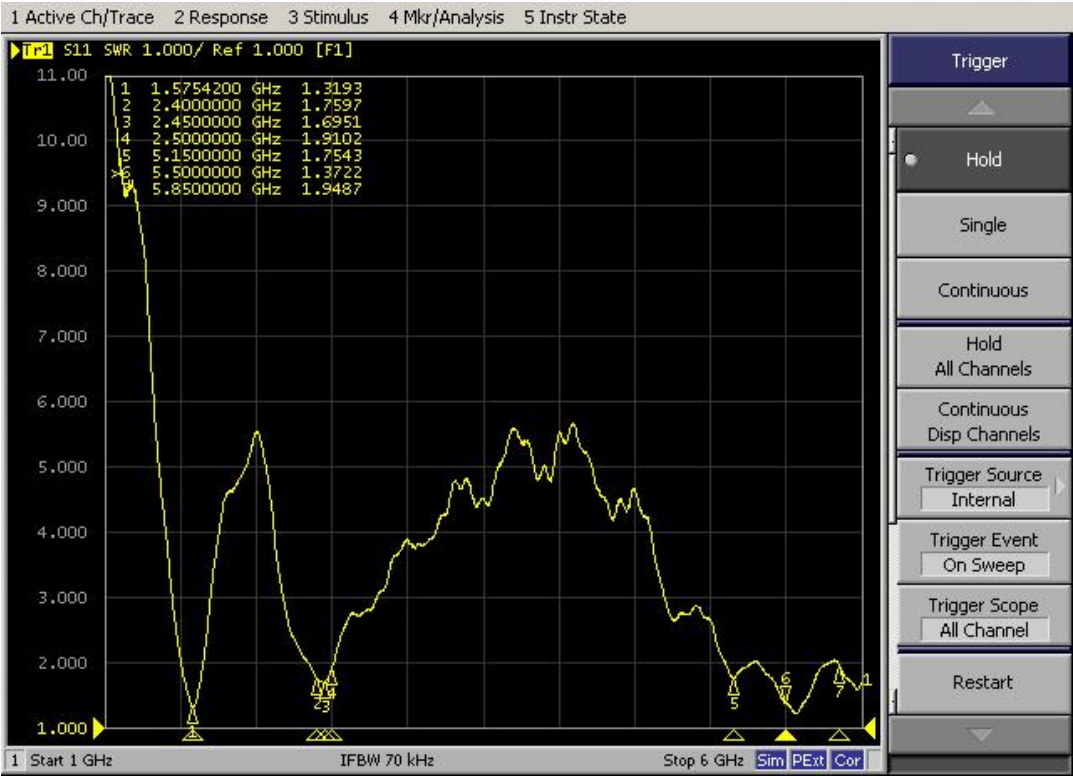


Antenna Type:Internal Antenna

Operating Band	channel	frequency
GPS	L1	1575 MHZ
WIFI2 .4	1	2.4G-2 .5G
	7	
	13	
BT	0	2.4G-2 .5G
	39	
	78	

Operating Band	channel	frequency
FDD Band 1-10 MHz	18050	UL:1920~1980MHz DL:2110~2170 MHz
	18300	
	18550	
FDD Band 3-10 MHz	19250	UL:1710~1785MHz DL:1805~1880MHz
	19575	
	19900	
FDD Band 5-10 MHz	20450	UL:824~849 MHz DL:869~894MHz
	20525	
	20600	
FDD Band 8-10 MHz	21500	UL:880~915 MHz DL:925~960MHz
	21625	
	21750	
TDD Band 38-20 MHz	37800	2570~2620 MHz
	38000	
	38200	
TDD Band 39-20 MHz	38300	1880~1920 MHz
	38450	
	38600	
TDD Band 40-20 MHz	38750	2300~2400MHz
	39150	
	39550	
TDD Band 41-20 MHz	40340	2469~2690MHz
	40620	
	41140	

Antenna passive test parameters - S11

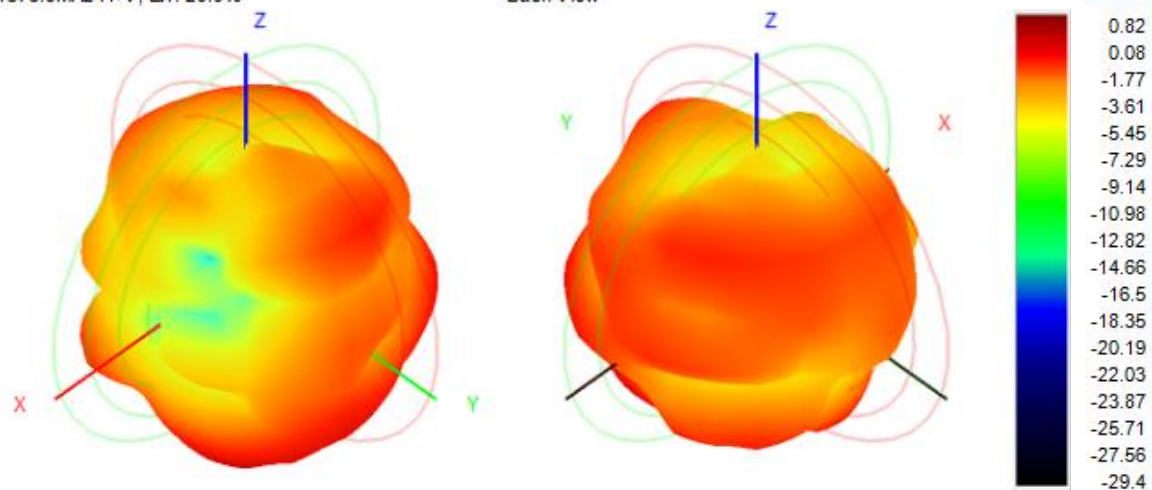


Antenna passive test parameters - Efficiency & Gain

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
1570	-5.39	1.19	28.92
1575	-5.41	0.82	28.76
1580	-5.60	0.83	27.53
2400	-4.39	1.65	36.34
2410	-4.25	1.82	37.54
2420	-4.24	1.85	37.59
2430	-4.13	1.94	38.62
2440	-4.29	1.97	37.18
2450	-3.98	1.27	39.95
2460	-4.22	1.02	37.78
2470	-4.10	1.15	38.89
2480	-4.02	1.24	39.58
2490	-3.98	1.07	39.97
2500	-3.95	1.91	40.22
5150	-3.93	2.43	40.45
5350	-3.68	2.16	42.84
5550	-3.84	2.80	41.25
5750	-3.71	2.60	42.49
5850	-4.39	1.65	36.34

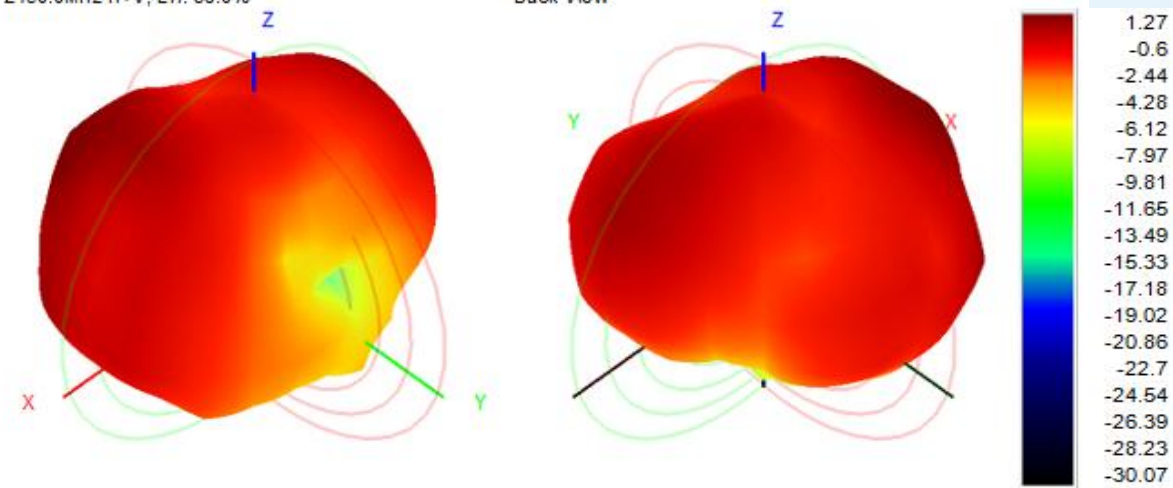
1575.0MHz H+V, Eff: 28.8%

Back View



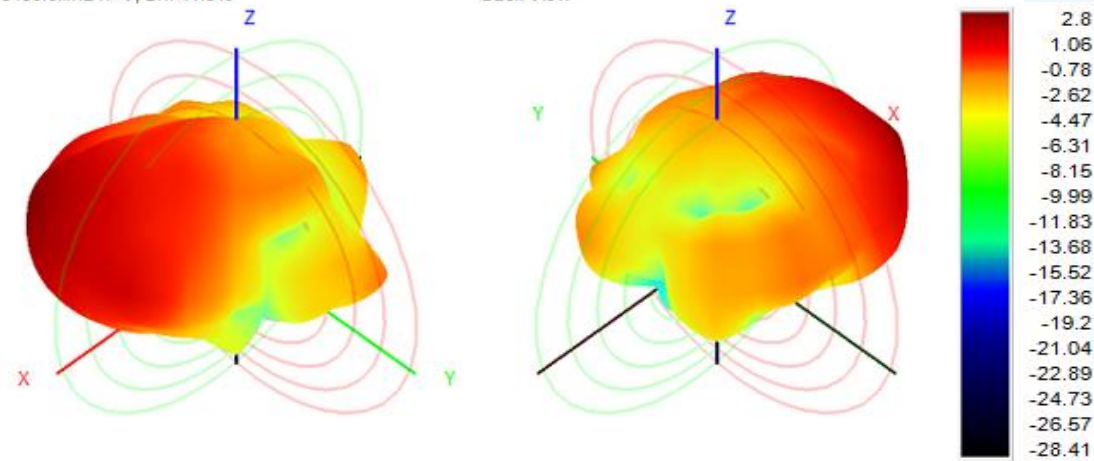
2450.0MHz H+V, Eff: 39.0%

Back View

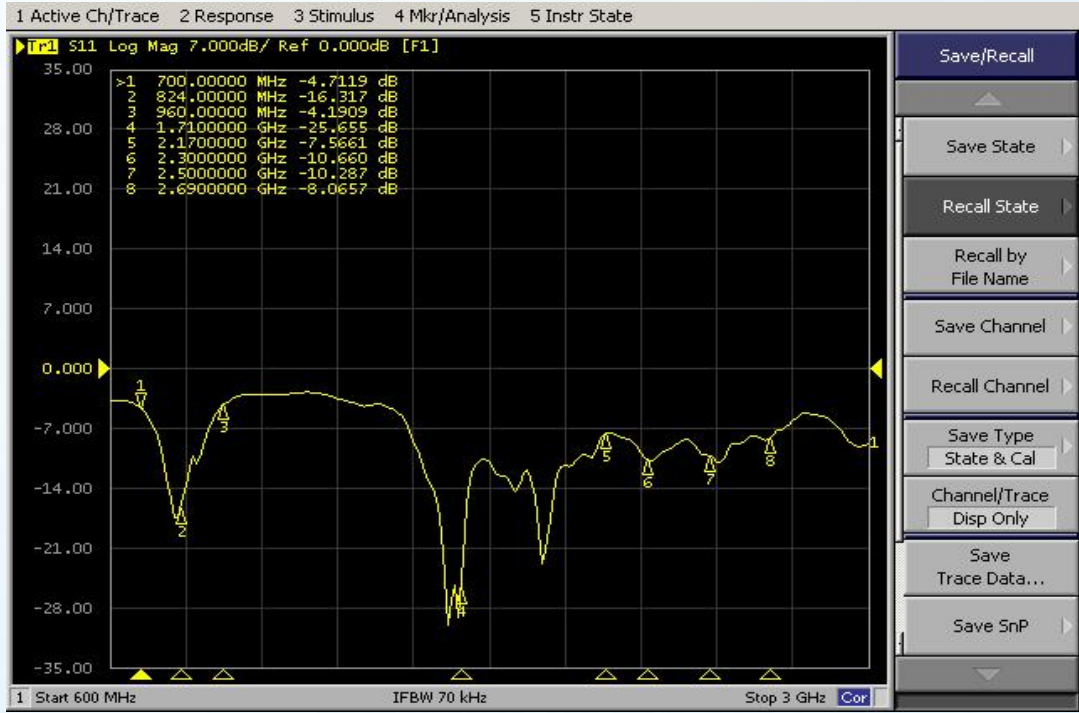
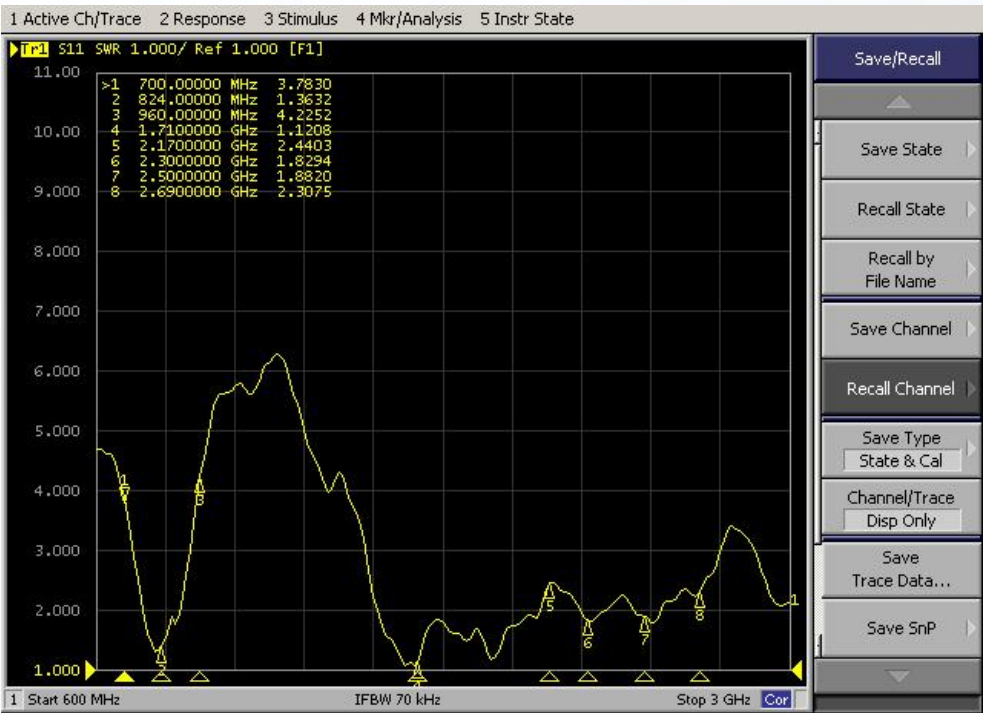


5450.0MHz H+V, Eff: 41.3%

Back View



Antenna passive test parameters - S11



Antenna active test parameters - OTA test data

frequency	Band	TRP	TIS
B-11M	1	12.68	-80.48
	6	12.34	-80.59
	11	12.56	-80.36
G-54M	1	11.3	-69.59
	6	11.24	-69.46
	11	11.19	-69.53
N-MCS7	1	11.49	-65.83
	6	11.64	-65.49
	11	11.41	-65.23
A-54M	36	10.44	-70.15
	149	10.29	-70.26
	165	10.37	-70.32

Antenna active test parameters - OTA test data

2G	LTE-L	LTE-M	LTE-R	TIS	(dbi)
GSM850	25. 59	25. 61	25. 08	-102. 28	0.8
GSM900	25. 61	25. 23	25. 18	-102. 74	0.9
GSM1800	24. 29	25. 64	25. 66	-103. 37	1.1
GSM1900	25. 41	25. 69	25. 82	-103. 34	1.3
3G	LTE-L	LTE-M	LTE-R	TIS	(dbi)
WCDMA-B2	17. 54	17. 97	17. 13	-103. 48	1.3
WCDMA-B4	16. 49	17. 25	17. 33	-103. 25	1.2
WCDMA-B5	16. 34	16. 25	16. 19	-102. 33	0.8
4G	LTE-L	LTE-M	LTE-R	TIS	(dbi)
LTE-2	18. 11	18. 87	19. 09	-91. 28	1.3
LTE-4	18. 52	18. 69	19. 33	-91. 13	1.1
LTE-5	17. 26	17. 28	17. 67	-90. 09	0.8
LTE-12	14. 39	14. 52	14. 73	-89. 37	0.7
LTE-25	18. 19	18. 64	18. 93	-90. 47	1.3
LTE-26	17. 05	17. 18	17. 53	-90. 23	0.8
B41	18. 43	18. 29	18. 1	-90. 46	1.6
B66	17. 15	17. 29	17. 33	-90. 25	1.1
B71	13. 65	14. 12	14. 25	-89. 41	0.6

Antenna Active Test Parameters — GPS Field Measurement



感谢观看!
THANKS!

深圳市亿圣邦科技有限公司

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