

BT Antenna report

Material name: WIFI-2 Antenna

Supplier: Sunny Way

Model Name : SH24167IB77-2

Customer part Number : 7907255013

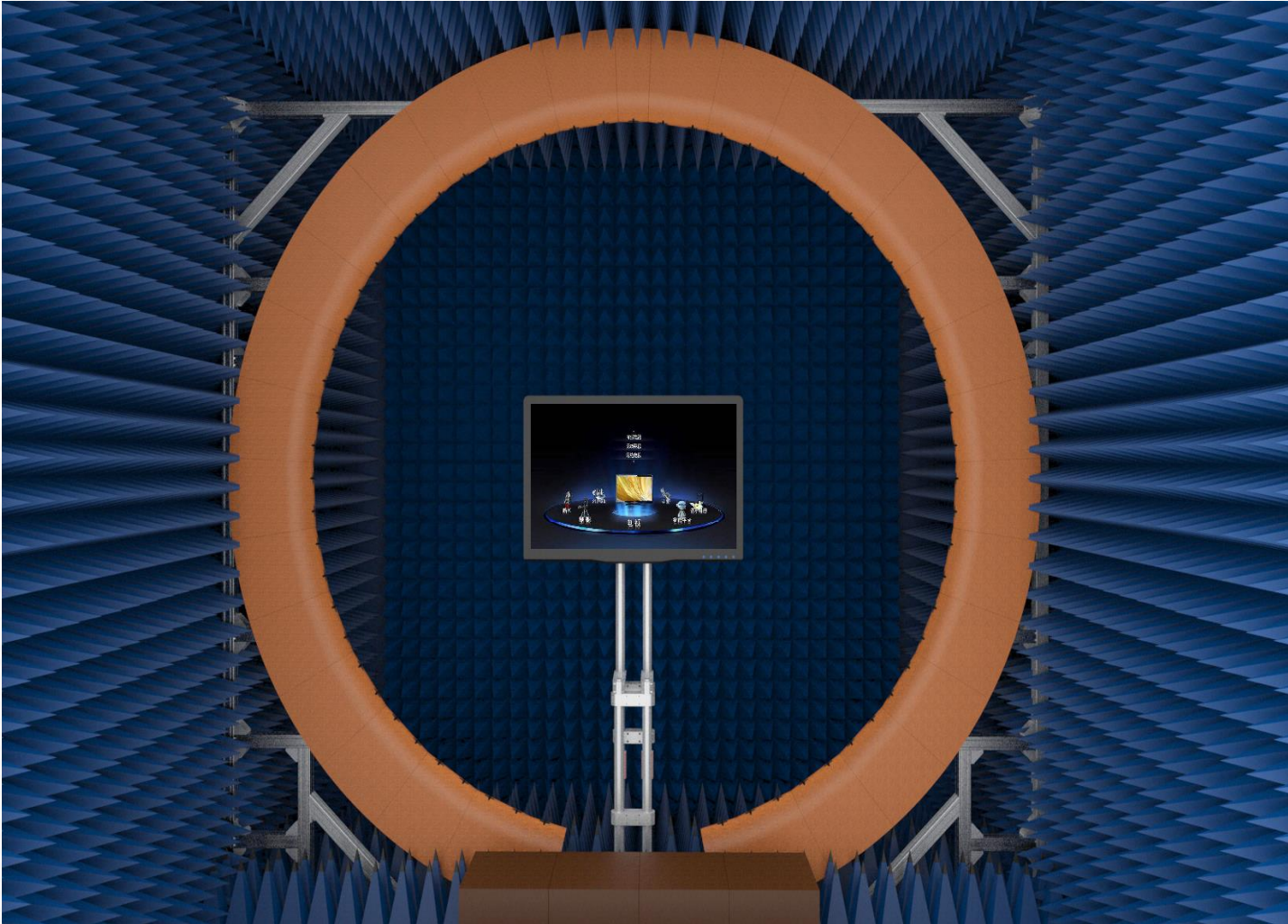
Report version : 2024. 6. 27 A3

Report Time : 2024. 06. 27

版本 22	时间	更新说明
A0	2024. 4. 26	EVT Passive Report
A1	2024. 4. 29	DVT Active ota Report
A2	2024. 6. 27	MP antenna report
A3		
A4		
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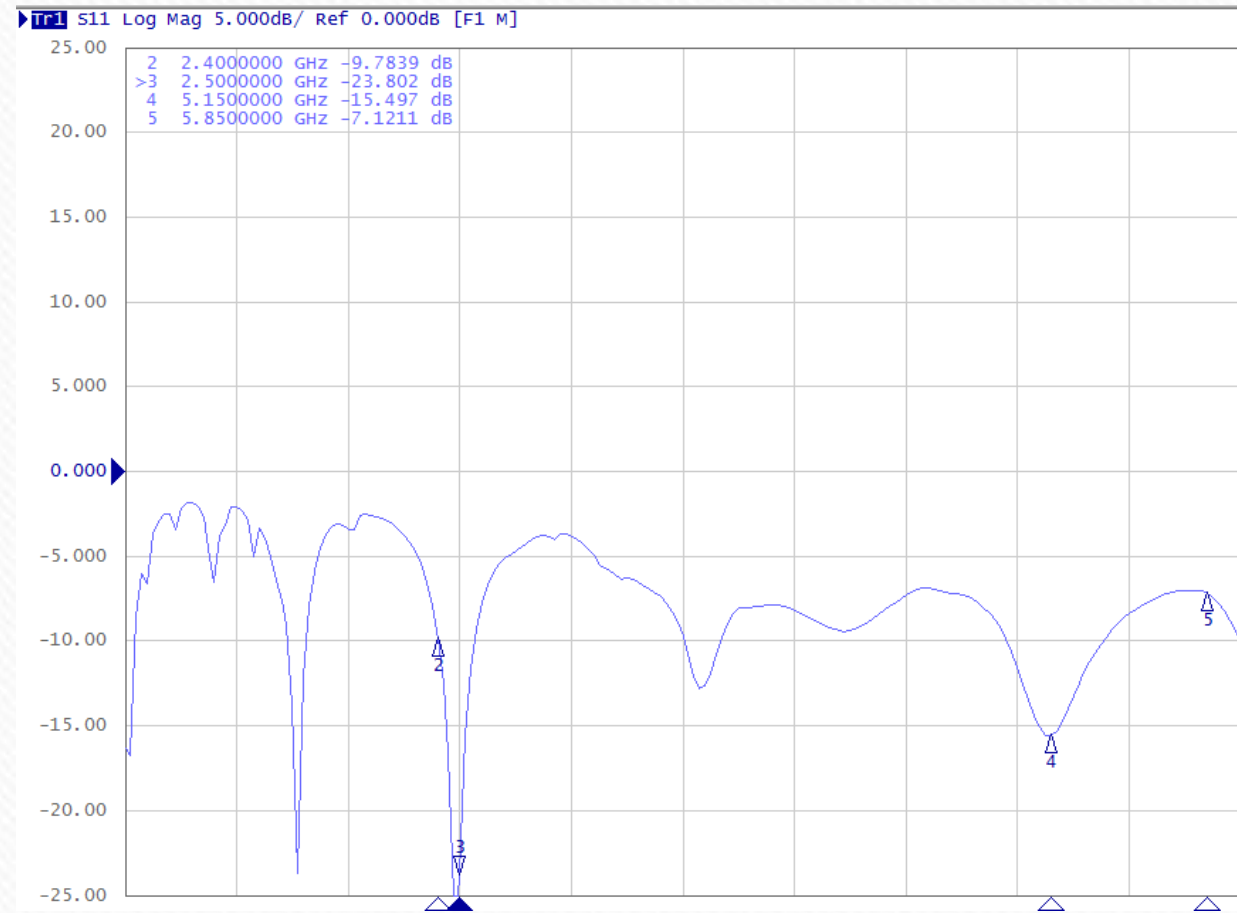
DUT status	PVT
Product Type	X86 Tablet PC
Antennas num	(BT/WIFI-1/WIFI-2) * 1
Antenna Frequency	ANT: 2400-2500MHz, 5150-5250MHz 5725-57855850MHz
structural style	FPC + Cable
Environmental treatment	
Matching circuit	



OTA Test:
64 probe; The length/width/height are all 6 meters; The size of the test item can reach 2 meters

Equipment name	Total quantity	shangh ai	shenzh en	chongq in
OTA Laboratory	10	4	5	1
5G comprehensive tester（SP9500-CTS）	3	1	1	1
R&S tester（CMW500）	7	3	3	1
Tester（Dual channel 8820）	4	2	2	—
NB-IoT tester（SP8315）	3	1	1	1
Comprehensive tester（8960）	9	4	4	1
network analyzer（E5062A）	7	3	3	1
network analyzer（E5071C 8.5GHZ）	11	5	5	1
network analyzer（E5071B 8.5GHZ）	10	5	5	1
R&S network analyzer（ZND）	10	5	4	1
R&S network analyzer（ZVB）	3	1	1	1
OTA Head, hand/cochlea/arm	5	2	2	1
GPS/WIFI Active testing equipment	5	2	2	1

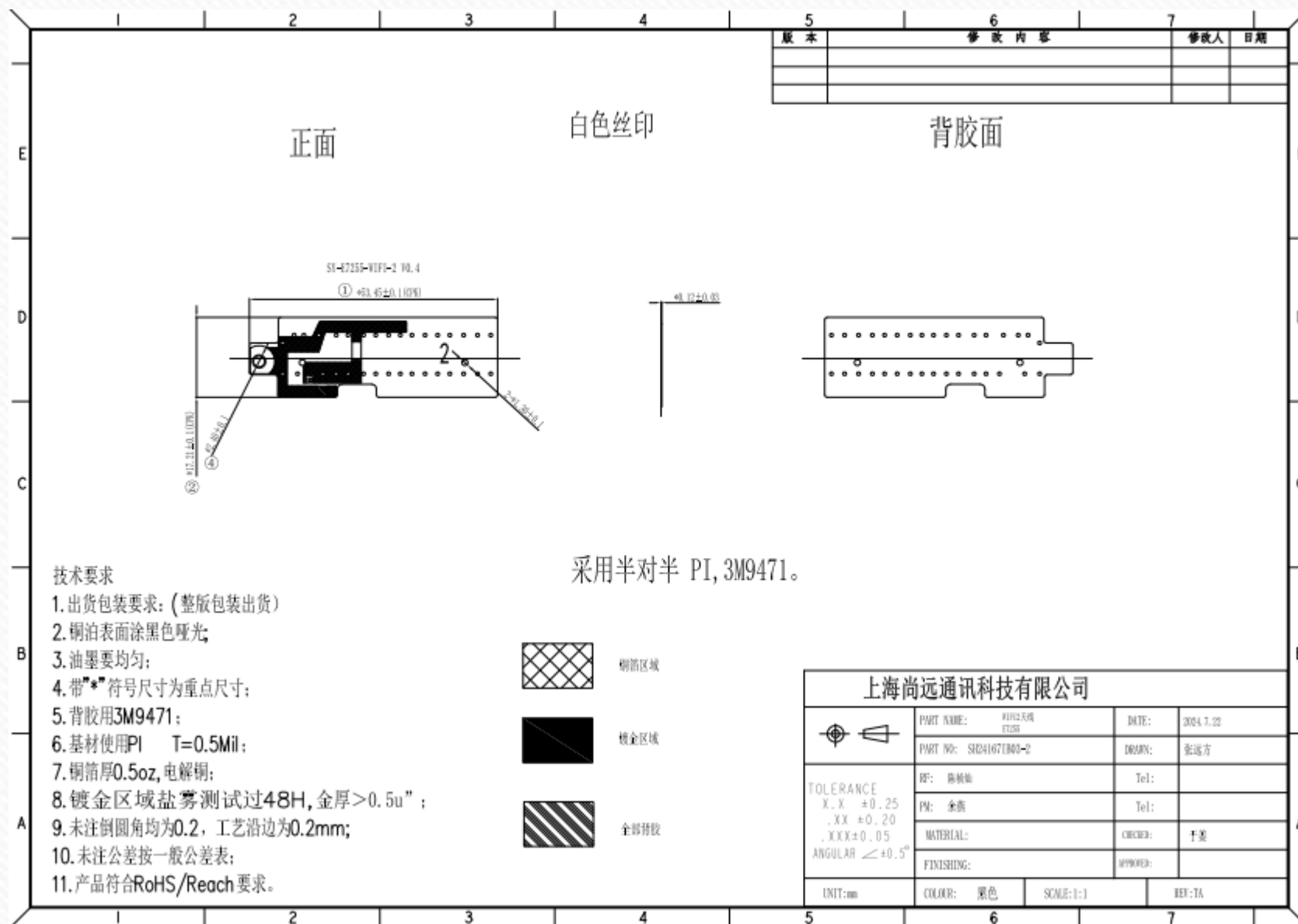




BT & WiFi-2							
Fre	Gain(dB)	Effic(dB)	Effi (%)	Fre	Gain(dB)	Effic(dB)	Effi (%)
2400	1.58	-4.18	38%	5100	1.32	-5.21	30%
2410	1.43	-4.22	38%	5150	1.11	-5.27	30%
2420	1.56	-4.05	39%	5200	1.03	-5.31	29%
2430	2.01	-3.59	43%	5250	0.49	-5.56	28%
2440	1.10	-4.42	36%	5300	0.81	-5.73	27%
2450	1.17	-4.55	35%	5350	0.35	-6.12	24%
2460	1.08	-4.71	34%	5400	0.83	-6.17	24%
2470	0.71	-4.94	32%	5450	1.15	-6.66	22%
2480	0.95	-5.02	31%	5500	0.91	-7.11	19%
2490	1.14	-5.26	30%	5550	1.87	-7.04	20%
2500	0.81	-5.71	27%	5600	2.29	-6.92	20%
				5650	2.27	-6.85	21%
				5700	2.53	-6.86	21%
				5750	2.37	-6.30	23%
				5800	3.45	-5.14	36%
				5850	2.67	-6.20	24%
				5900	3.39	-5.69	35%

Band	Channel	OTA (dBm)	
		TRP	TIS
WIIF A	36	19.5	
	100	20.15	
	165	20.32	-86.34
WIIF B	1	20.54	
	6	20.87	
	11	20.43	-83.96

The environment remains unchanged



Thank You