

WIFI-1 Antenna report

Material name: WIFI-1 Antenna

Supplier: Sunny Way

Model Name: SH24167IB77-1

Customer part Number : 7907255012

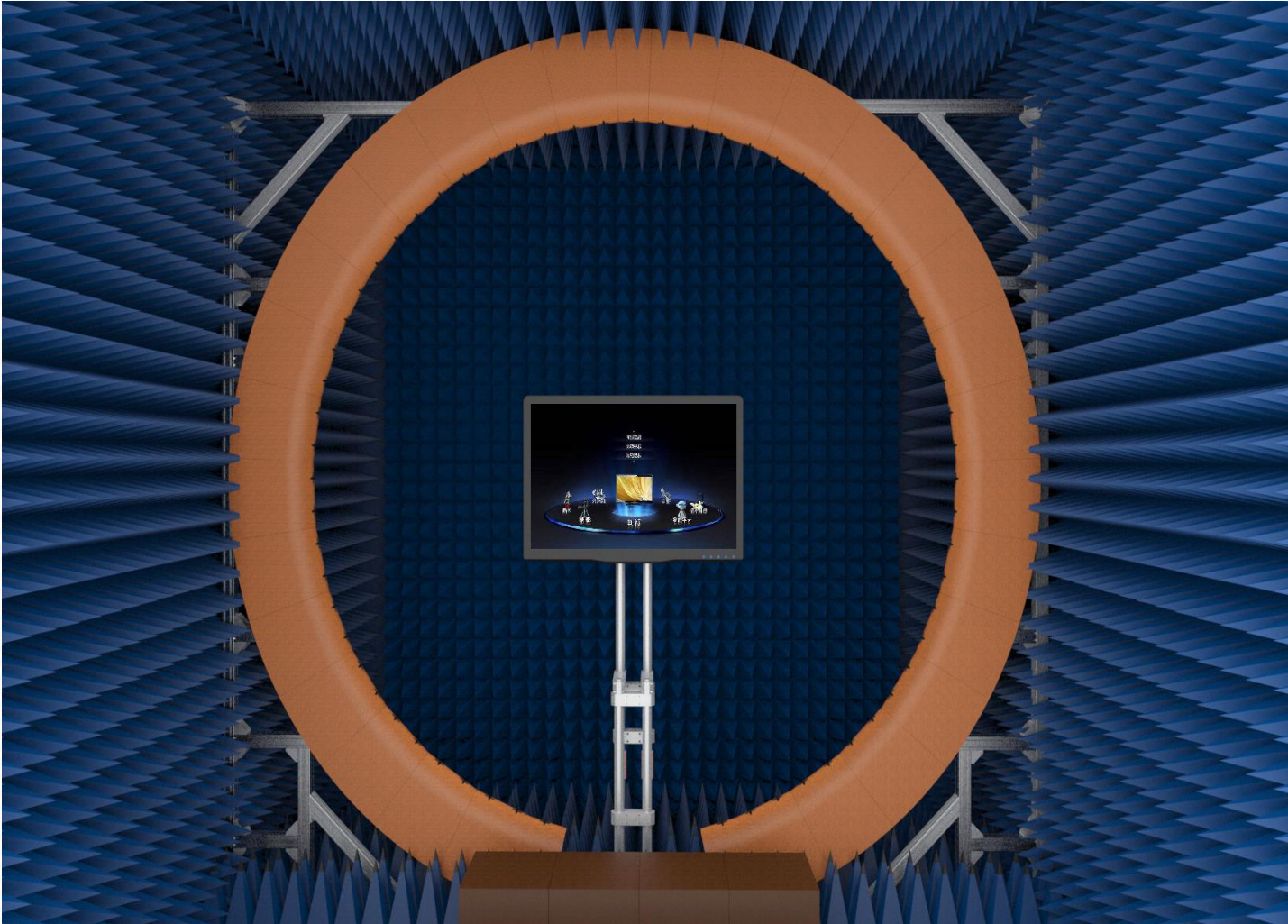
Report version : 2024. 6. 27 A3

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		
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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	

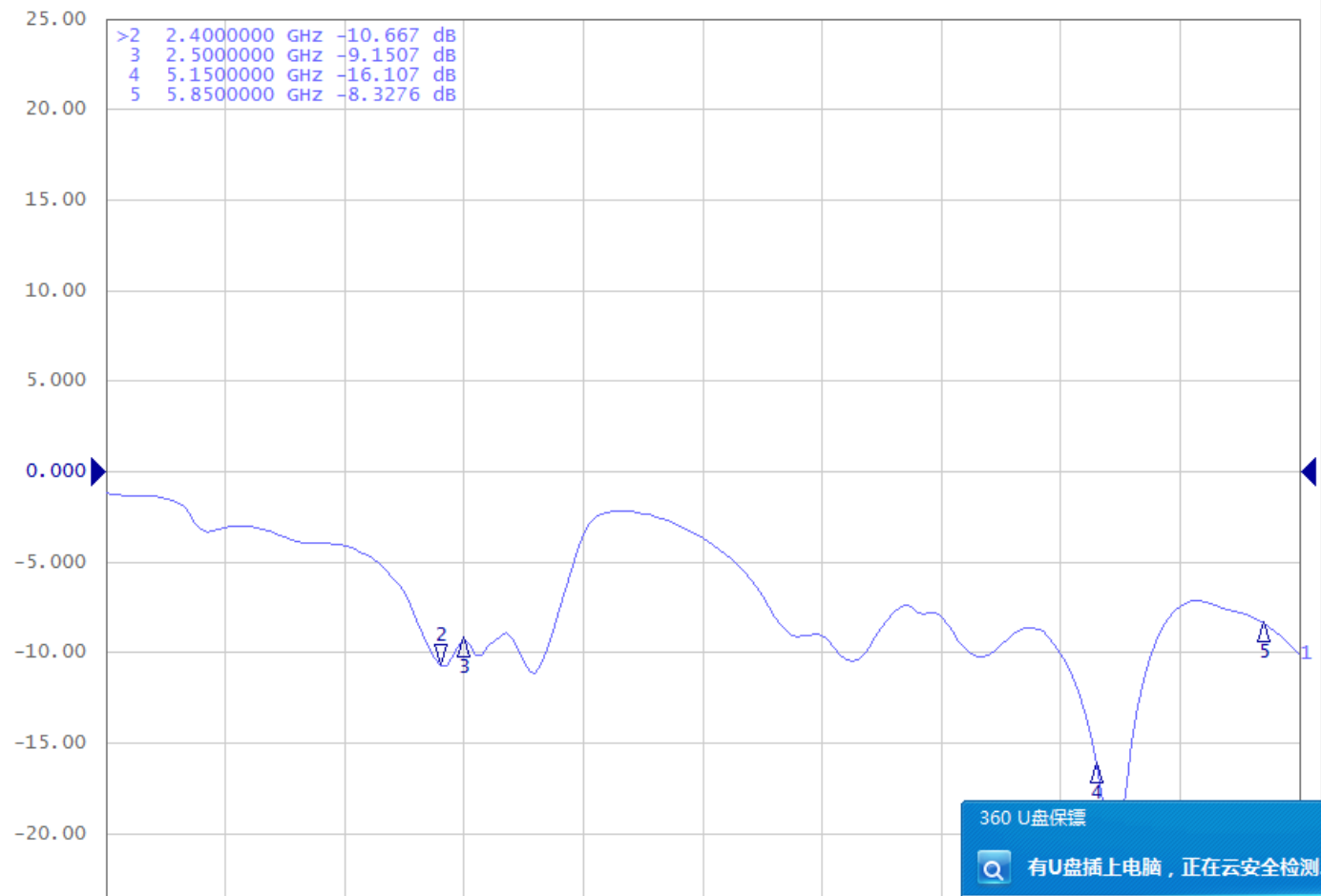


OTA Test:
64 probe; The length/width/height are all 6 meters; The size of the test item can reach 2 meters

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



▶ S11 Log Mag 5.000dB/ Ref 0.000dB [F1 M]



WiFi-1							
Fre	Gain(dB)	Effic(dB)	Effi (%)	Fre	Gain(dB)	Effic(dB)	Effi (%)
2400	0.68	-5.75	31%	5100	0.29	-4.99	32%
2410	0.72	-5.65	31%	5150	0.67	-4.81	33%
2420	1.62	-5.01	34%	5200	1.12	-4.95	32%
2430	0.78	-5.00	32%	5250	2.28	-4.43	36%
2440	0.87	-5.16	30%	5300	2.88	-4.28	37%
2450	0.84	-5.07	31%	5350	3.25	-4.19	38%
2460	0.88	-5.04	31%	5400	3.45	-3.54	45%
2470	1.03	-5.01	32%	5450	3.42	-3.66	43%
2480	0.96	-5.08	31%	5500	3.11	-3.63	43%
2490	2.01	-4.93	35%	5550	3.00	-3.43	45%
2500	1.21	-5.10	33%	5600	2.48	-3.34	46%
				5650	2.19	-3.45	45%
				5700	1.87	-3.61	44%
				5750	2.97	-3.45	45%
				5800	2.83	-2.84	52%
				5850	2.14	-3.83	41%
				5900	2.80	-3.55	44%

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