

Antenna Testing Report

Project Name : 2010 TX

Sunnyway(CAHINA)Technology Co.,Ltd

Report version: Jan. 09th, 2024 A0

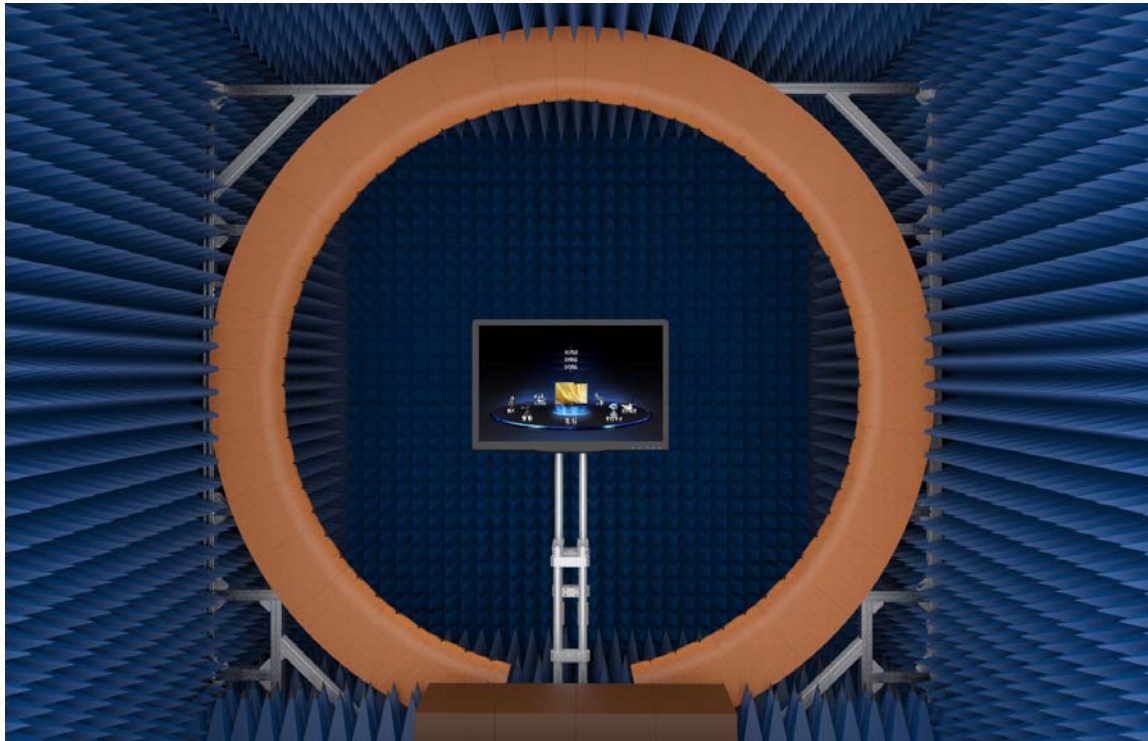
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Prototype status	Debugging machine	Project prototype diagram: 
Device type	Board computer	
Number of antennas	1PCS	
Frequency band	WIFI: 2.4GHZ	
Structural style	monopole	
Environment adjustment	No change	
Matching modification	No changed	
Prototype status	Debugging machine	
Device type	Board computer	



The industry's top 64 sensors OTA chamber

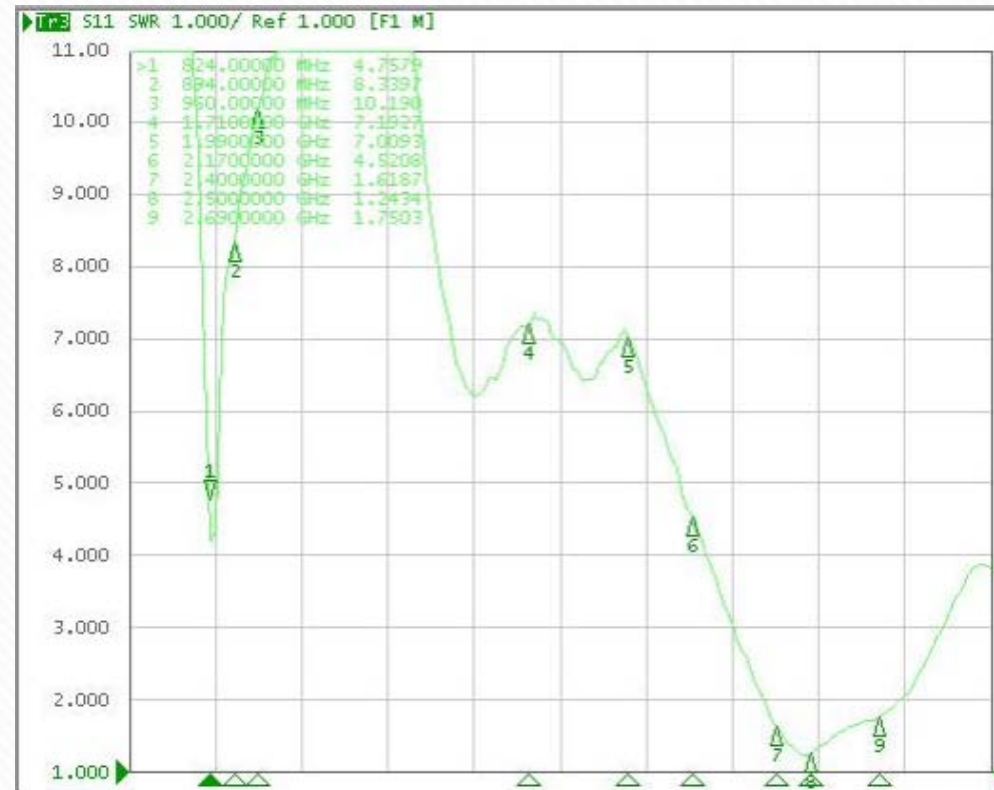
Frequency range: 400MHz-11GHz

Device Llimitation: 2M

Load-bearing limitation:100KG

Equipments Items	Total Quantity	Quantity for Shanghai R&D	Quantity for Shenzhen R&D	Quantity for ChongQing R&D
OTA chamber	10	4	5	1
5G Tester (SP9500-CTS)	3	1	1	1
R&S Tester (high configuration CMW500)	6	3	2	1
Japan Anritsu Tester (Dual Channel 8820)	4	2	2	--
NB-IoT Tester (SP8315)	3	1	1	1
Agilent Tester (8960)	9	4	4	--
Agilent Network Analyzer (E5062A)	7	3	3	1
Agilent Network Analyzer (E5071C 8.5GHZ)	11	5	5	1
Agilent Network Analyzer (E5071B 8.5GHZ)	7	3	3	1
R&S Network Analyzer (ZND)	9	4	4	1
R&S Network Analyzer (ZVB)	3	1	1	1
OTA head hand / ear hand / arm hand	5	2	2	1
GPS/WIFI active test equipment	5	2	2	1

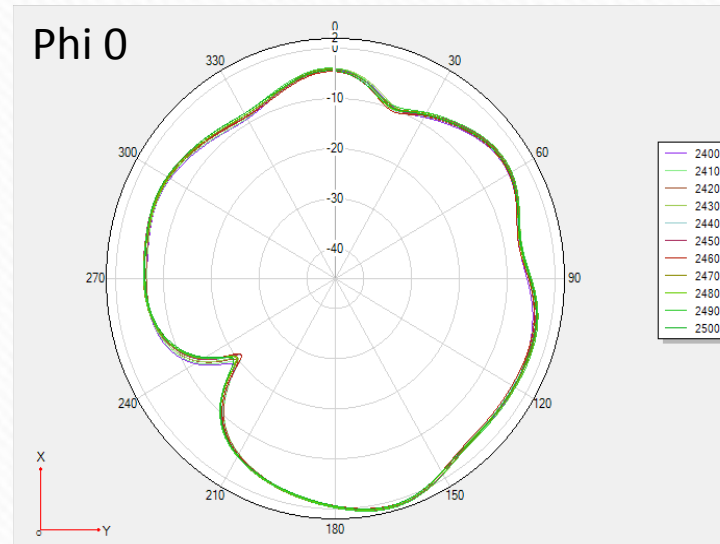
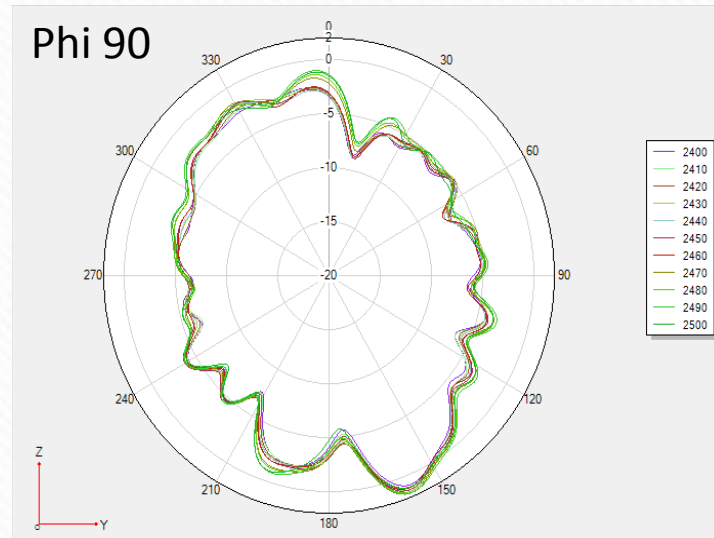
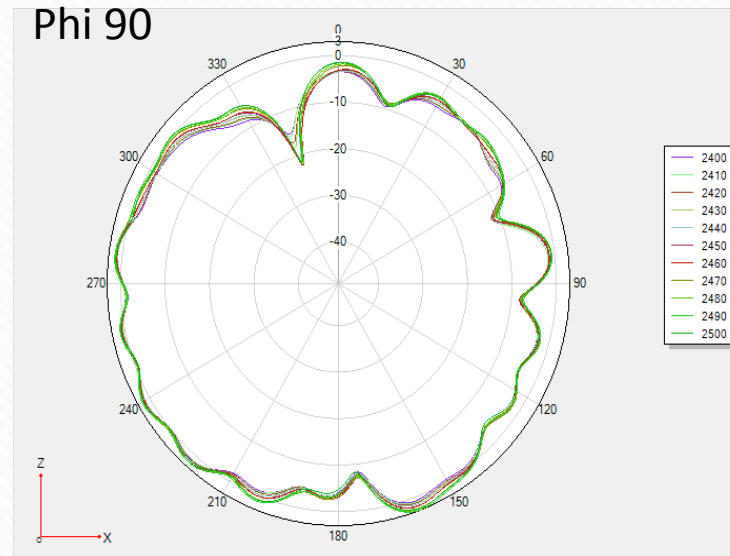
WIFI antenna S11



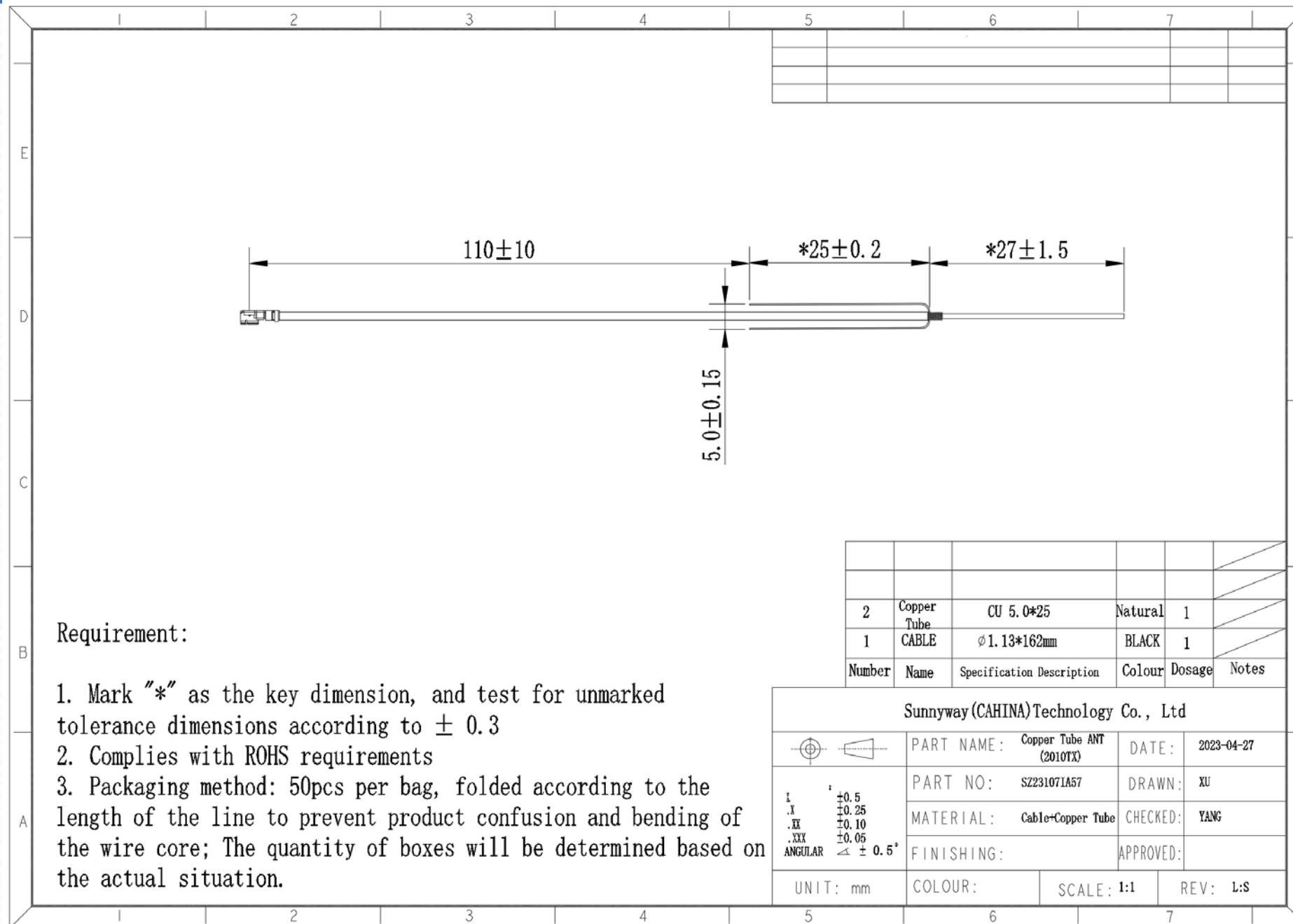
Passive test data :

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	-3.69	52.76
2410	-3.72	52.46
2420	-3.53	54.36
2430	-3.38	55.92
2440	-3.33	56.45
2450	-3.24	57.42
2460	-3.27	57.1
2470	-2.96	60.58
2480	-2.94	60.82
2490	-2.87	61.64
2500	-3.05	59.55

2D Etotal



Item	Measurement	Band	Channel	Total
1	TRP	WIFI_B (11M)	1	20.16
2	TRP	WIFI_B (11M)	6	20.07
3	TRP	WIFI_B (11M)	11	20.43
4	TIS(EIRP)	WIFI_B (11M)	11	-86.73
5	TRP	WIFI_G (54M)	1	15.47
6	TRP	WIFI_G (54M)	6	15.81
7	TRP	WIFI_G (54M)	11	16.42
8	TIS(EIRP)	WIFI_G (54M)	1	-73.16
9	TRP	WIFI_N_ISM (65M)	1	17.02
10	TRP	WIFI_N_ISM (65M)	6	17.79
11	TRP	WIFI_N_ISM (65M)	11	17.85



1. This data testing environment is for customer supplied whole machine testing ;
2. The test sample is a monopole antenna sample.

Thank You

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