

Antenna specification

Customer : Anona

Model Name : KP2001

Report Number:000920912

Manufacturer: Anona Security Technology Limited.

Address: 8 The Green,Ste A Dover DE 19901, America

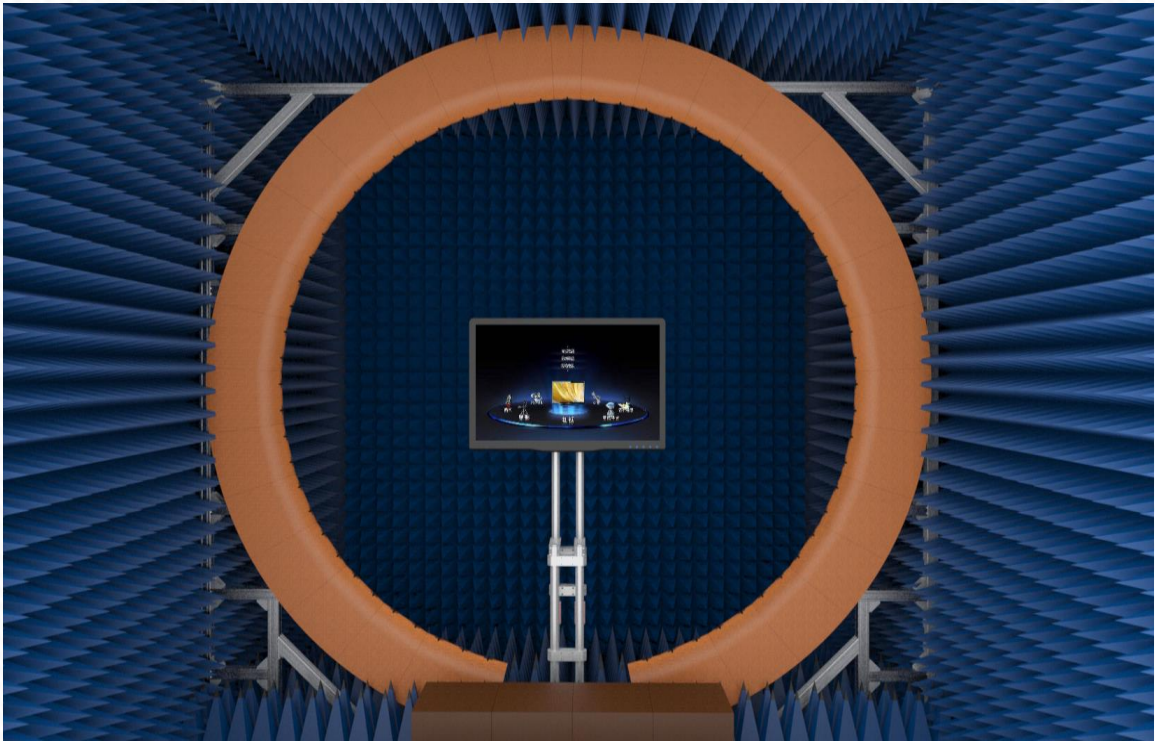
Report version: Sep. 11th, 2023 A0

Engineer: liubin

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A0	2023.9.11	Antenna specification
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Prototype status	Debugging machine
Device type	Door lock
Number of antennas	WiFi/BT antenna
Frequency band	2.4G WiFi
	Bluetooth
Structural style	FPC+cable
Environment adjustment	No change
Matching modification	No change



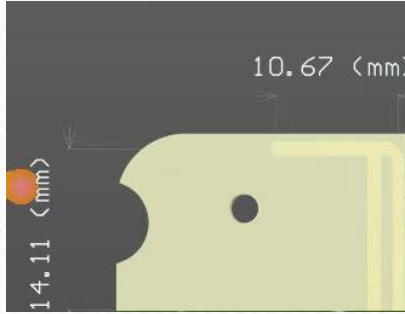
The industry's top 64 sensors OTA chamber

Frequency range: 400MHz-11GHz

Device Llimitation: 2M

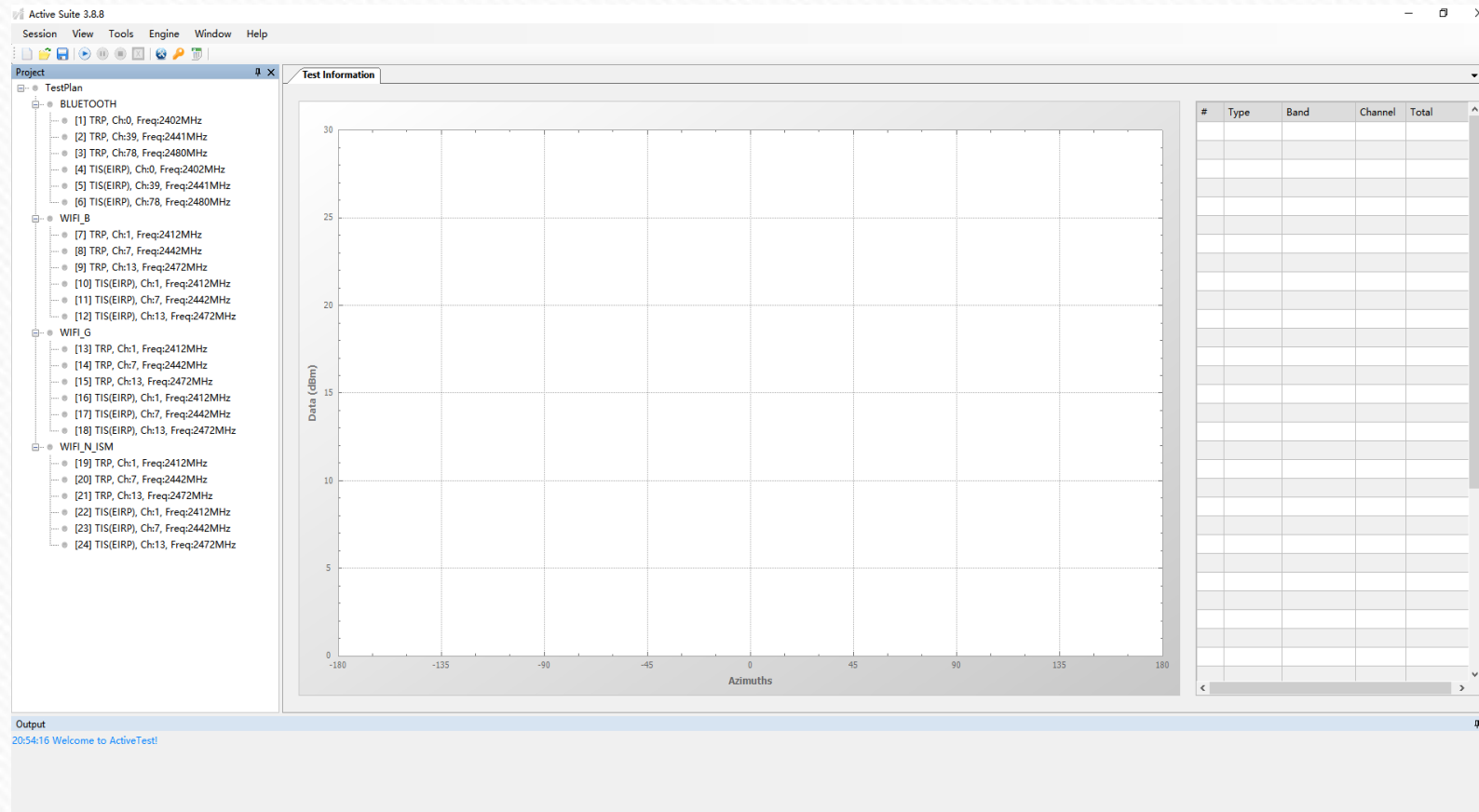
Load-bearing limitation:100KG

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



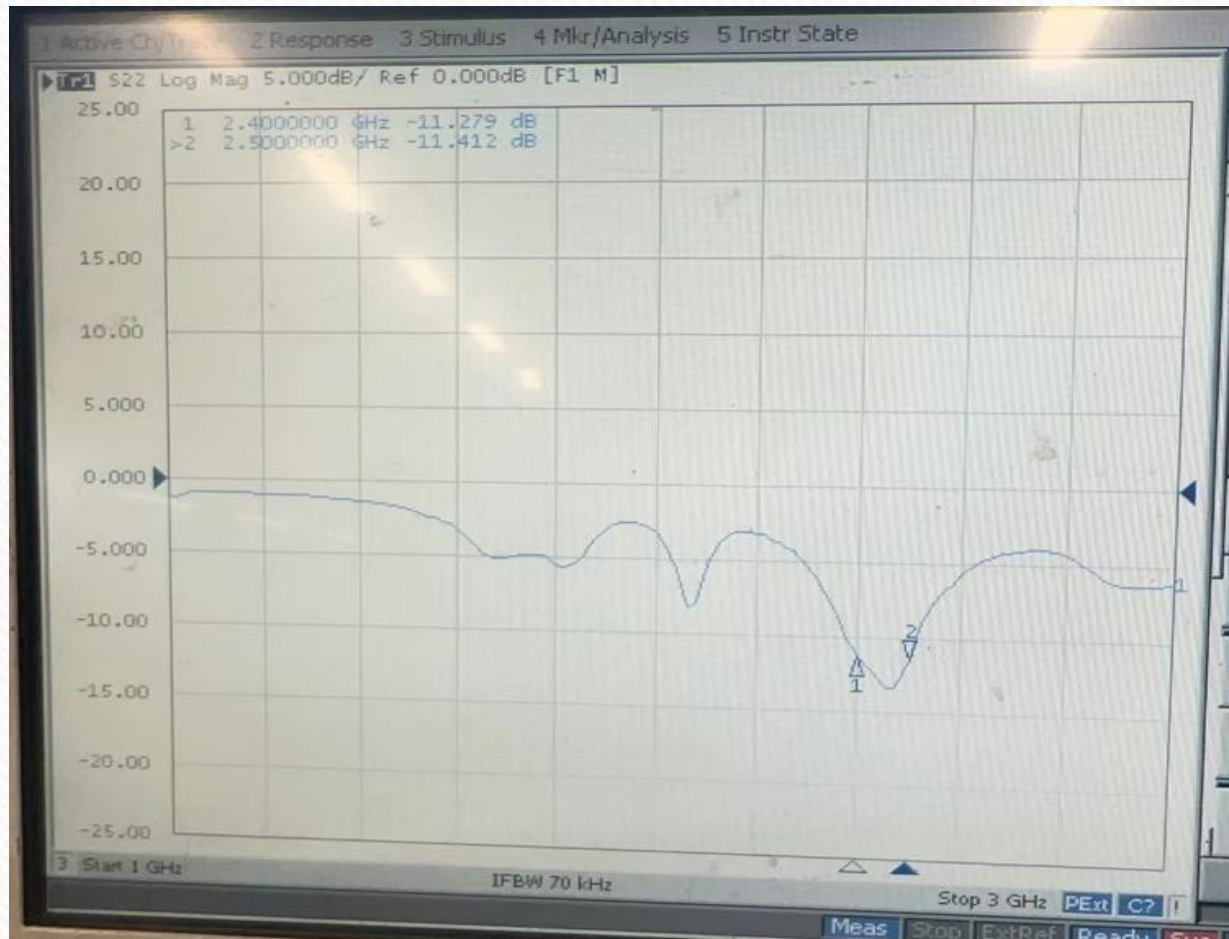


WiFi/Bluetooth test equipment:
ROHDE&SCHWARZ CMW-500



Using the darkroom testing software, add WiFi and Bluetooth frequency bands to the testing software, select the corresponding comprehensive tester, set the testing mode, angle, and rate, and connect the tested object to the hot spot emitted by the comprehensive tester before measurement

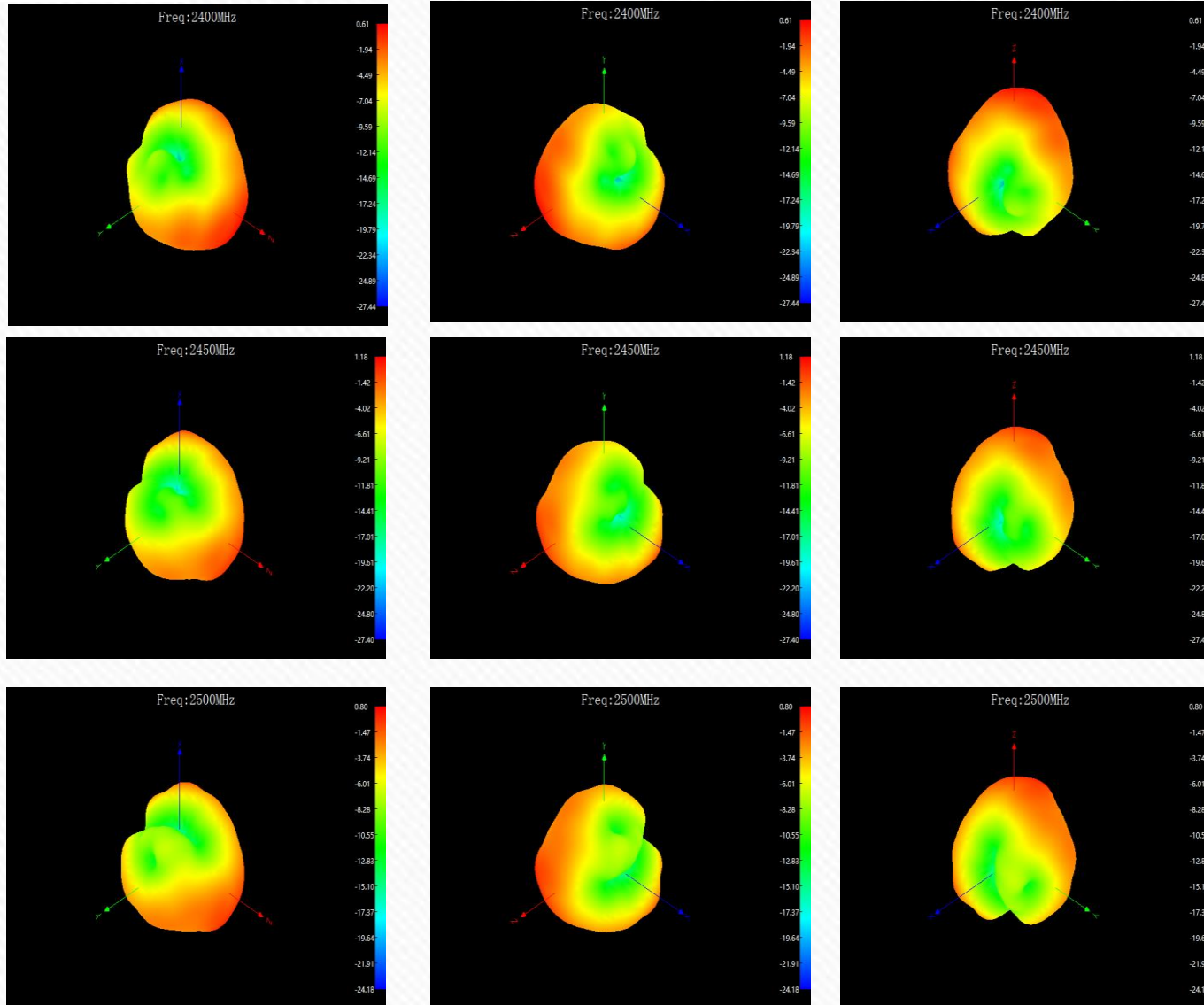
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Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/ dBi
2400	-5.23	29.99	0.61
2410	-4.83	32.89	0.58
2420	-4.55	35.08	1.01
2430	-4.79	33.19	0.88
2440	-4.78	33.27	0.61
2450	-4.63	34.43	1.18
2460	-4.98	31.77	0.87
2470	-4.94	32.06	0.66
2480	-4.36	36.64	0.91
2490	-4.83	32.89	0.8
2500	-4.65	34.28	0.8

Band	Channel	Conducted (dBm)	
		TRP	TIS
BT	0	-0.33	
	19	-0.48	
	39	-0.69	-94.66

Directional pattern



Thank You

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