

Antenna Testing Report

Project Name : A171

Report version: June 29th , 2026 A0

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A0	2026.06.29	V0 sample test report
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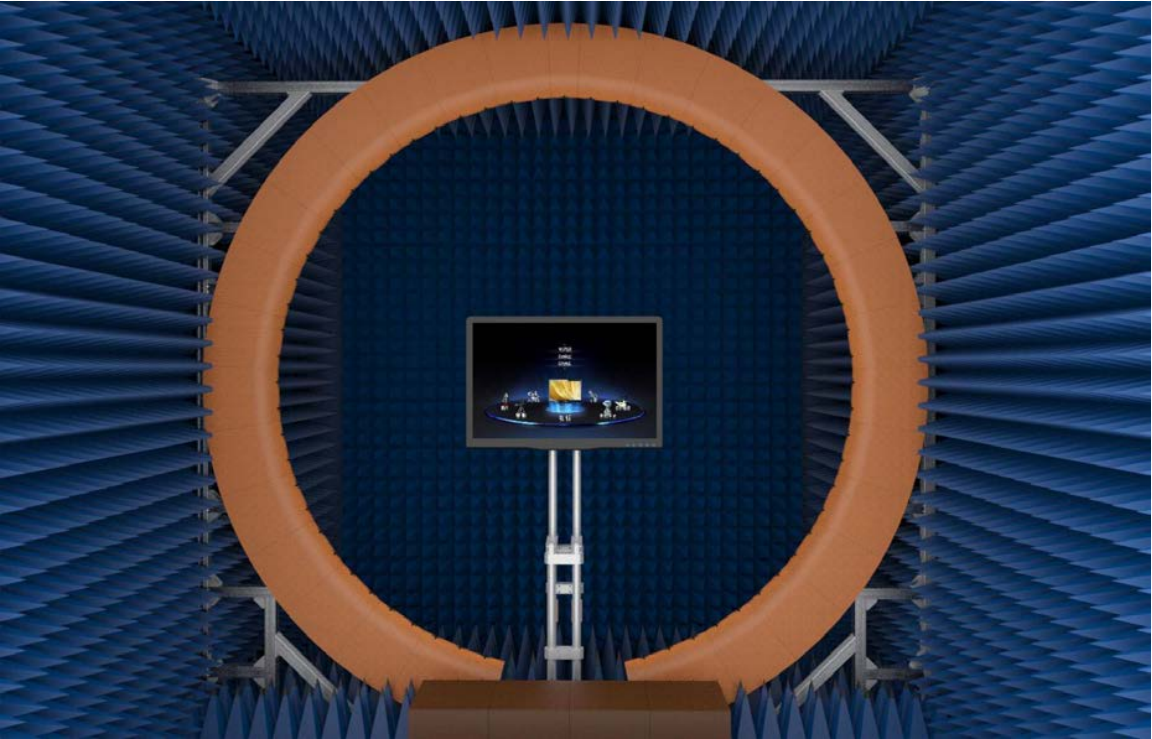
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Prototype status	Debugging machine
Device type	Board computer
Number of antennas	1PCS
Frequency band	WIFI: 2.4GHZ
Structural style	FPC+Cable
Environment adjustment	No change
Matching modification	No changed
Prototype status	Debugging machine
Device type	Board computer



The industry's top 64 sensors OTA chamber

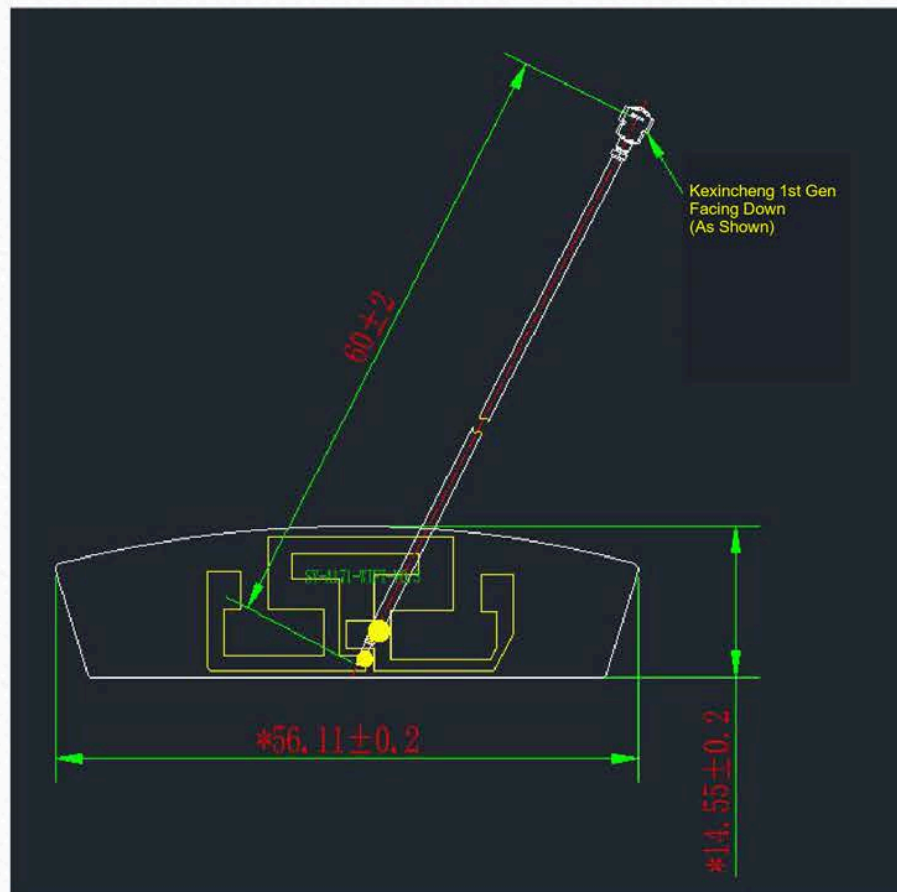
Frequency range: 400MHz-11GHz

Device Llimitation: 2M

Load-bearing limitation:100KG

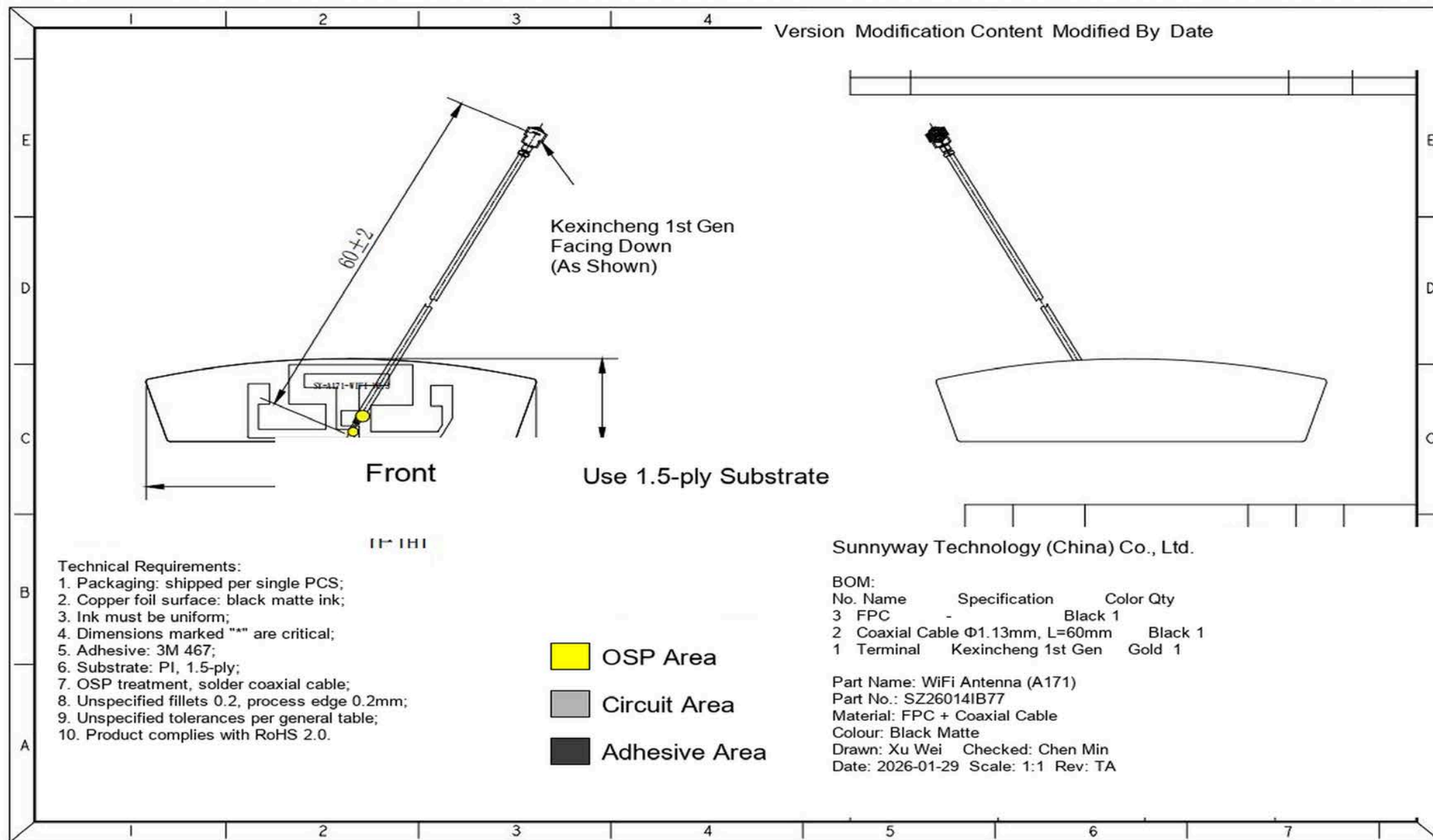
Equipments Items	Total Quantity	Quantity for Shanghai R&D	Quantity for Shenzhen R&D	Quantity for ChongQing R&D
OTA chamber	10	4	5	1
5G Tester (SP9500-CTS)	3	1	1	1
R&S Tester (high configuration CMW500)	6	3	2	1
Japan Anritsu Tester (Dual Channel 8820)	4	2	2	--
NB-IoT Tester (SP8315)	3	1	1	1
Agilent Tester (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

WI FI antenna/Antenna size

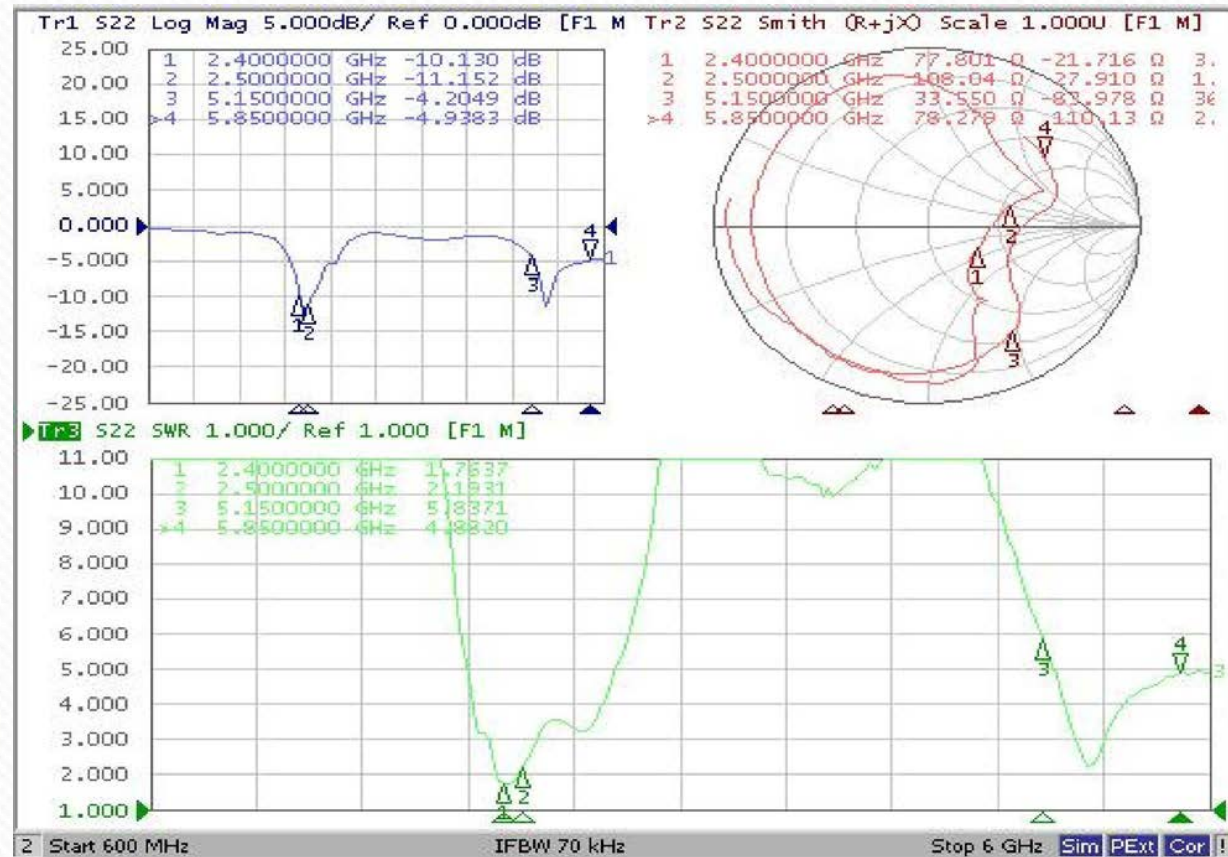


WI FI Antenna type: FPC

WI FI Antenna model: SZ26014IB77



WiFi antenna S11

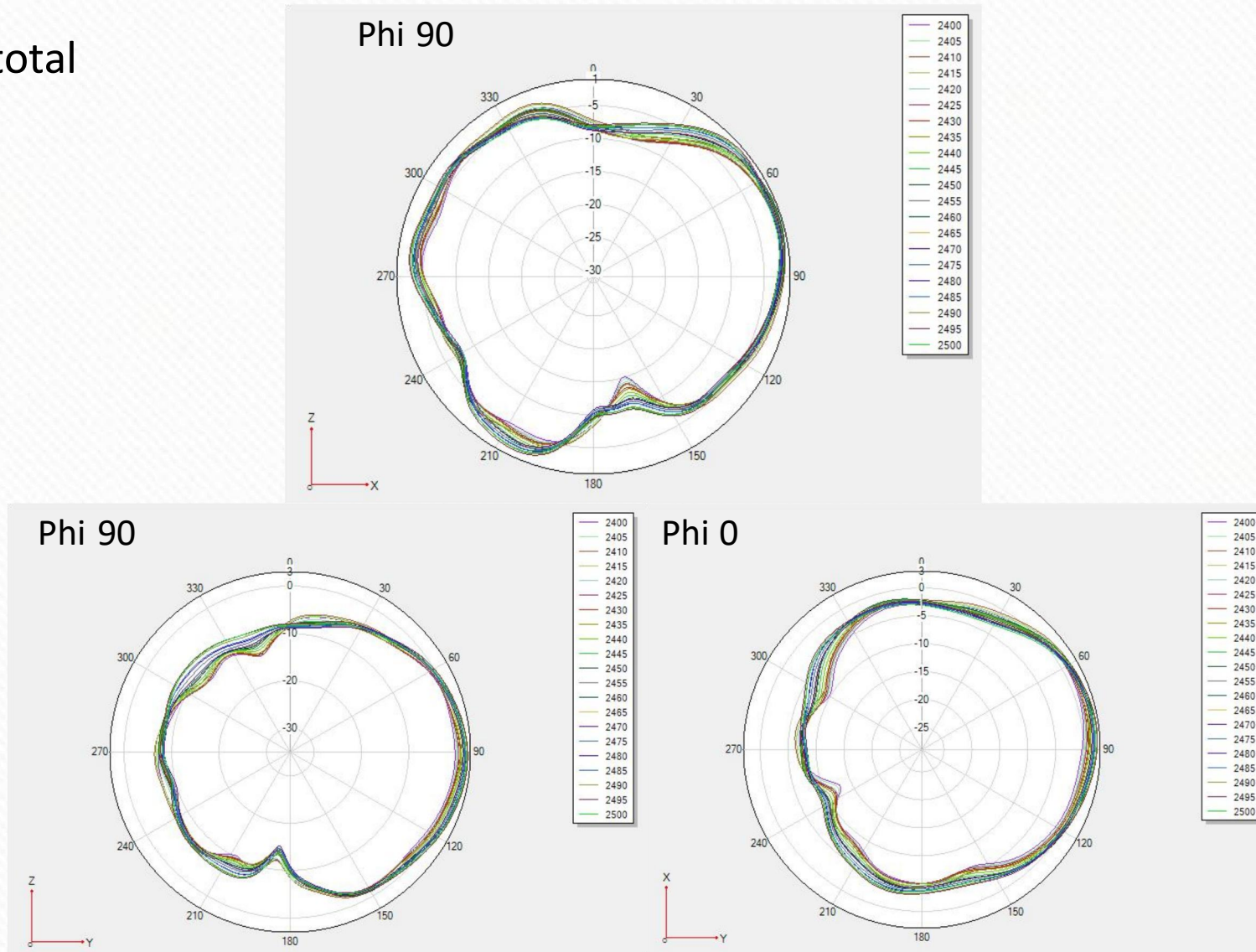


Passive test data:

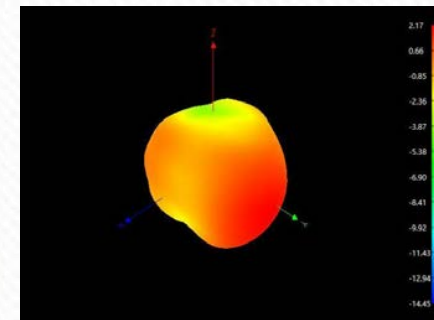
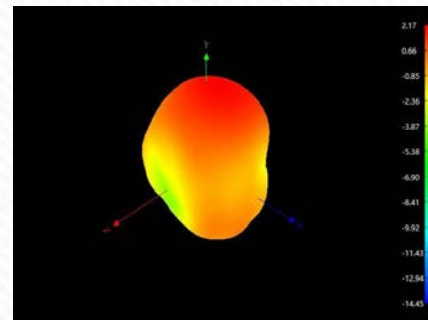
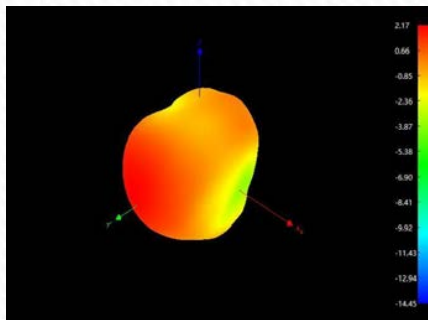
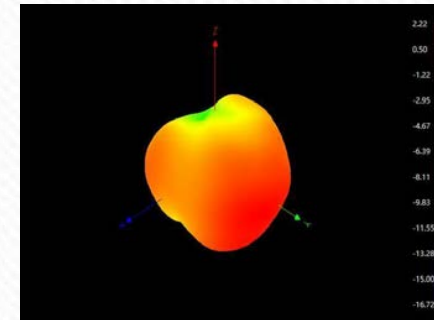
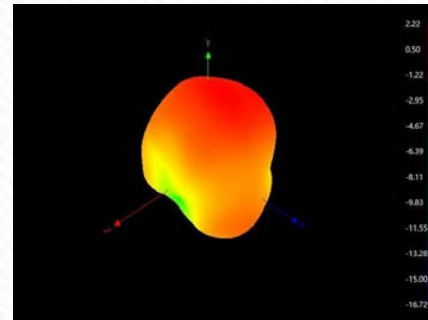
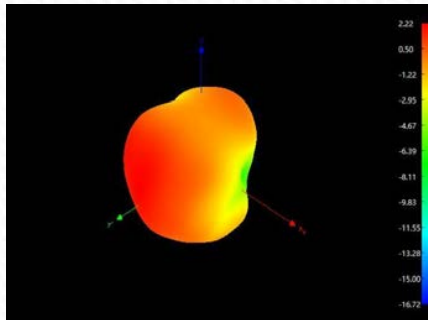
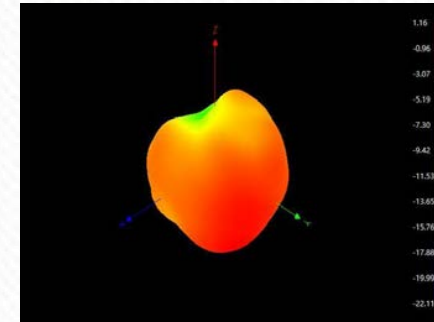
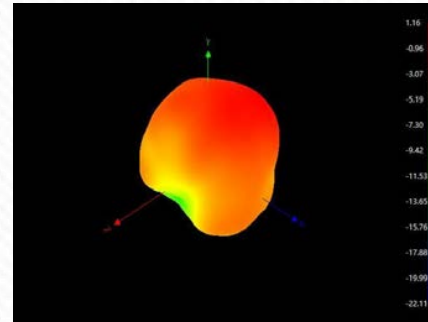
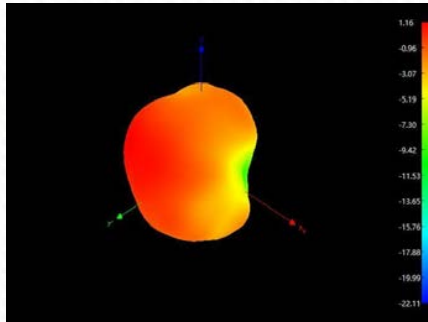
Frequency/Mhz	MaxGain/dBi	Efficiency / %
2400	1.16	55.16
2405	1.64	53.87
2410	1.93	54.3
2415	1.75	60.12
2420	1.98	60.95
2425	1.01	51.31
2430	1.75	57.81
2435	1.77	58.64
2440	1.83	59.98
2445	1.99	60.12

Frequency/Mhz	MaxGain/dBi	Efficiency / %
2450	2.22	62.37
2455	2	59.16
2460	1.9	54.83
2465	1.74	56.63
2470	1.78	50.93
2475	1.91	57.81
2480	2.3	58.46
2485	2.01	59.43
2490	2.39	55.08
2495	2.55	66.53
2500	2.17	58.7

2D Etotal



3D



Band	Frequency	Channel	TRP(dBm)
802.11b	2412	1	13.29
	2437	6	14.02
	2462	11	14.52
	2462	11	-84.44
802.11g	2412	1	12.78
	2437	6	12.74
	2462	11	13.21
	2462	11	-74.45
802.11gn	2412	1	11.72
	2437	6	12.71
	2462	11	12.2
	2462	11	-67.46

1. This data testing environment is for customer supplied whole machine testing ;
2. The test sample is an FPCB sample .

Thank You

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