

Antenna Specification

Customer: apical Technology

Project Name: G400

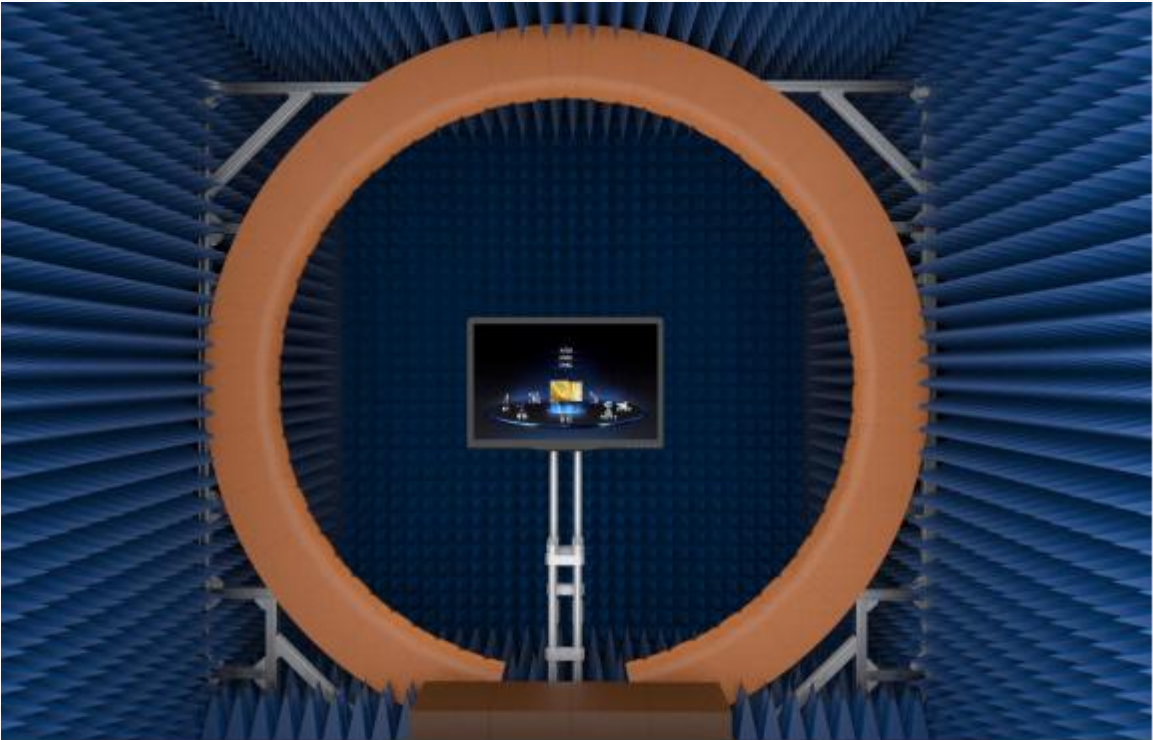
Report Number: SZ25354IA67-2

Manufacturer: Sunnyway Technology(CHINA)

Address: Floor 6, Building 5, Nam Tai Inno Park, Guangming District, Shenzhen

Report version: 2025.12.15

Prototype status	Debugging machine
Device type	car recorder
Number of antennas	315 433 antenna
Frequency band	433
Structural style	Spring
Environment adjustment	No change
Matching modification	No change



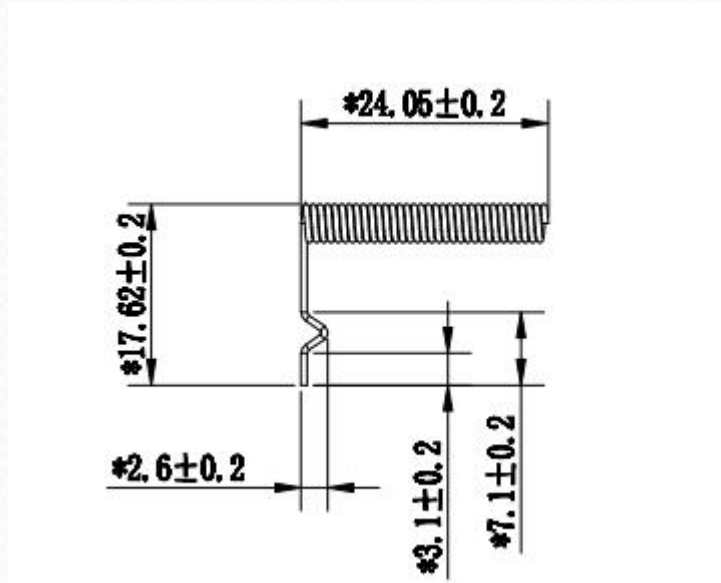
The industry's top 64 sensors OTA chamber

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

433 antenna/Antenna size

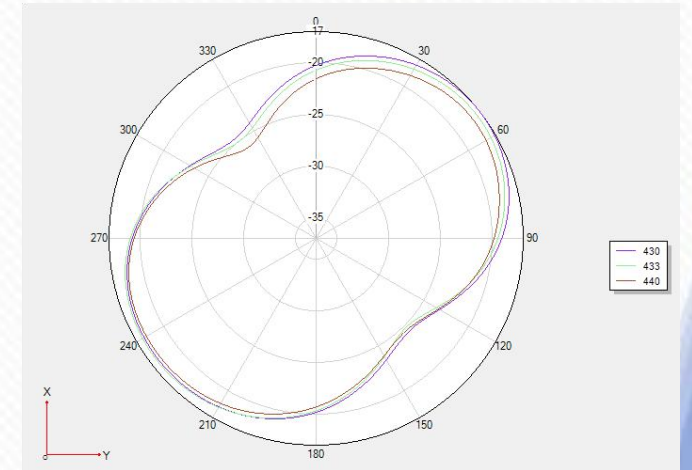
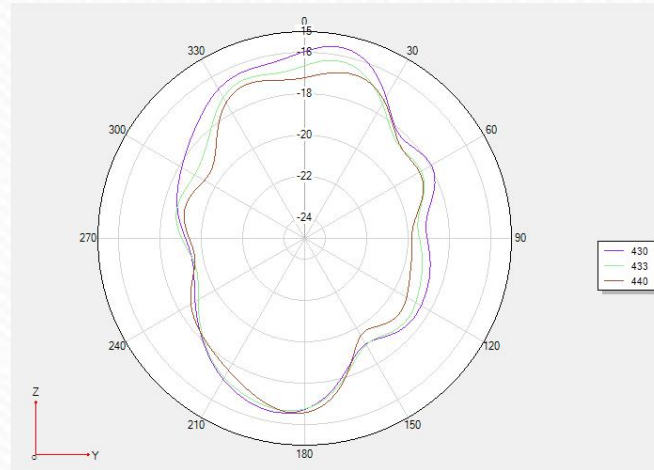
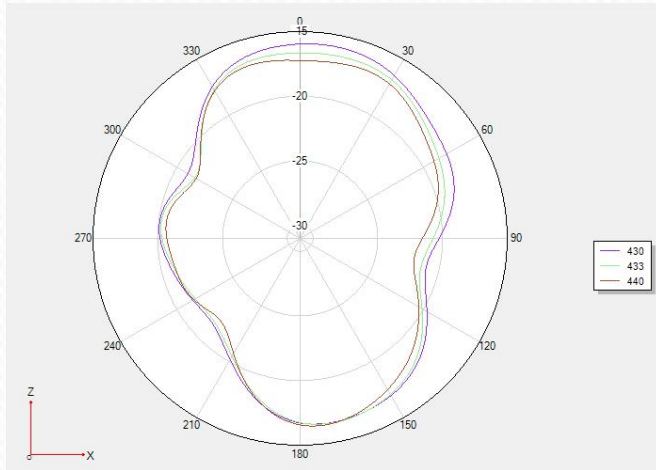


433 Antenna type: Spring

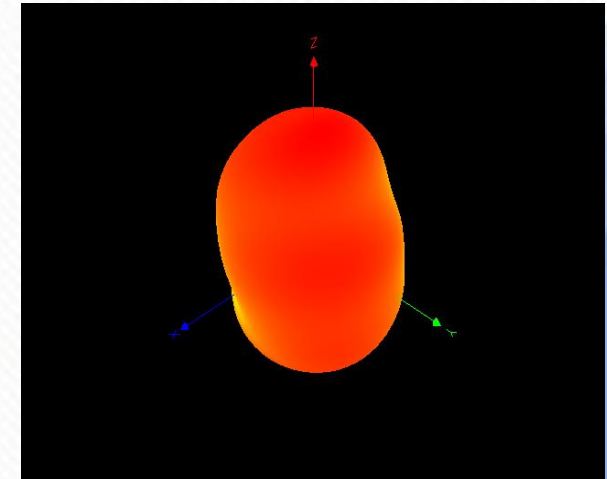
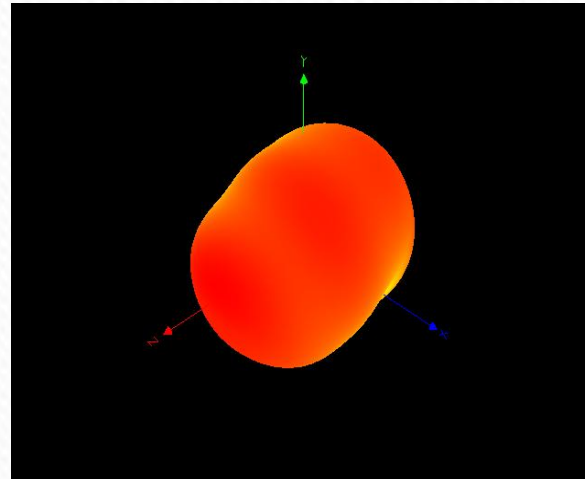
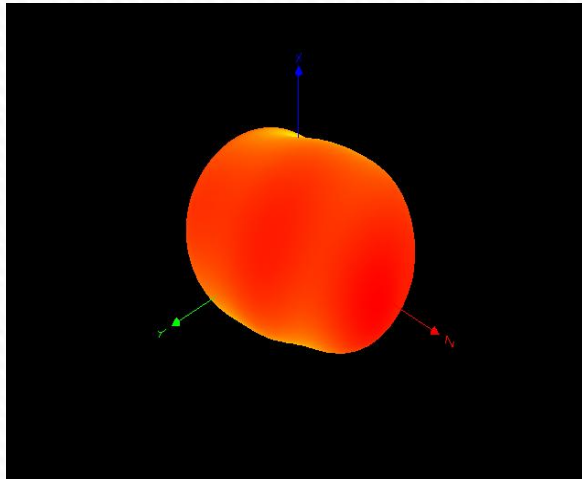
433 Antenna model: **SZ25354IA67-1**

Antenna matching has not been changed

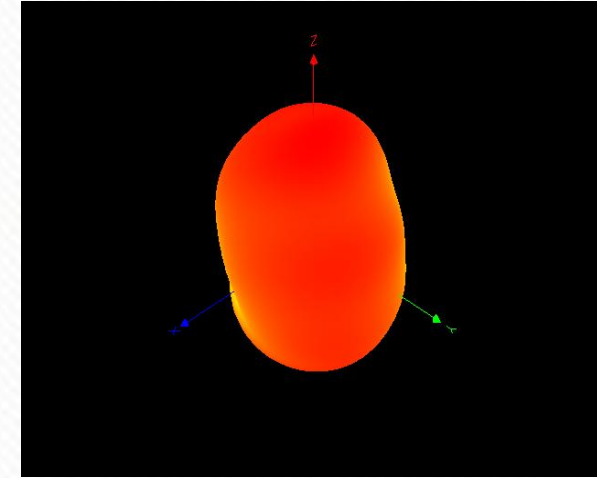
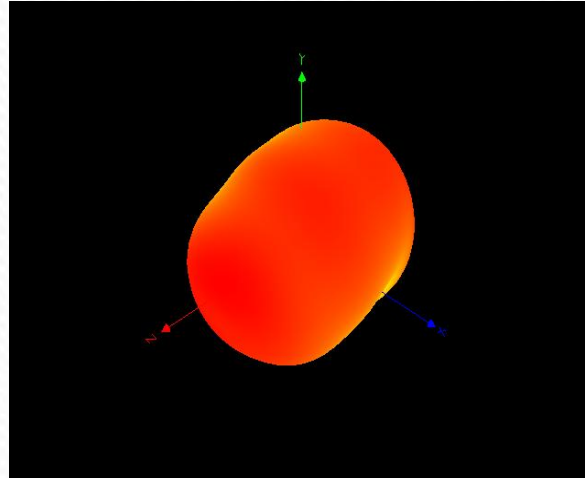
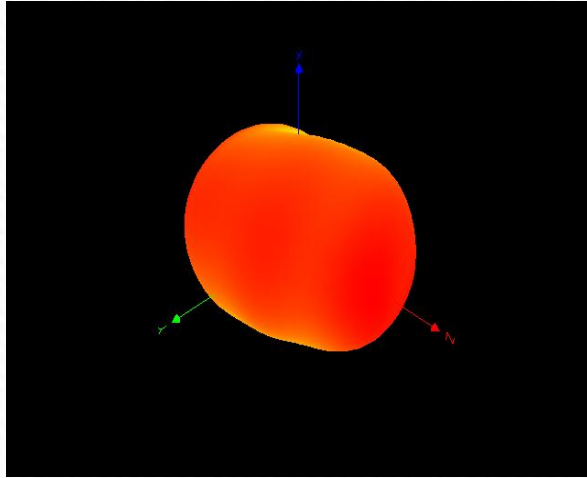
Frequency/Mhz	MaxGain/dBi	Efficiency / %
430	-9.09	7.22
431	-9.34	7.35
432	-9.29	7.24
433	-8.93	8.15
434	-8.36	9.23
435	-7.67	8.09
436	-7.16	8.07
437	-6.99	8.25
438	-7.27	7.2
439	-7.8	7.4
440	-8.33	7.17



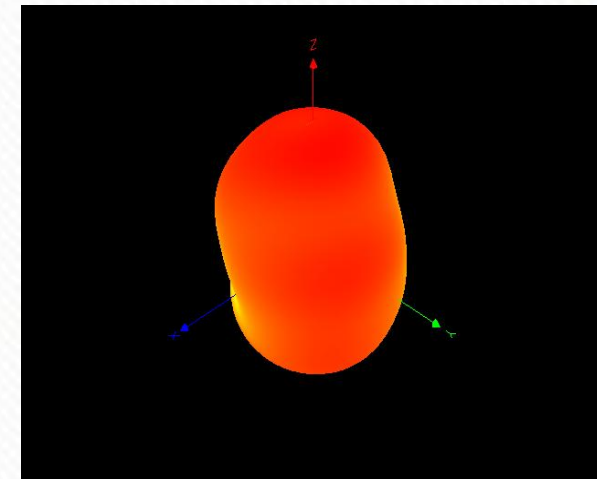
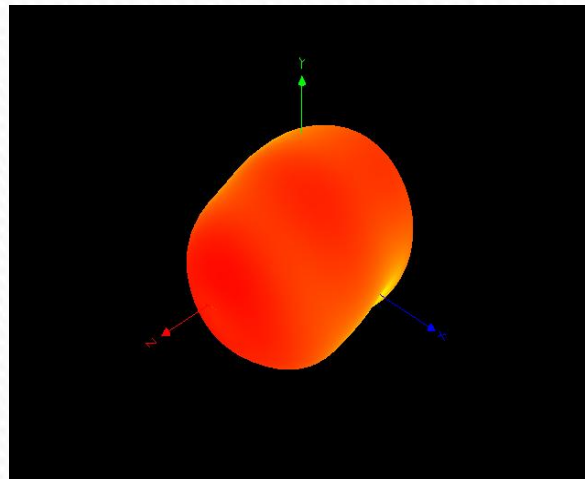
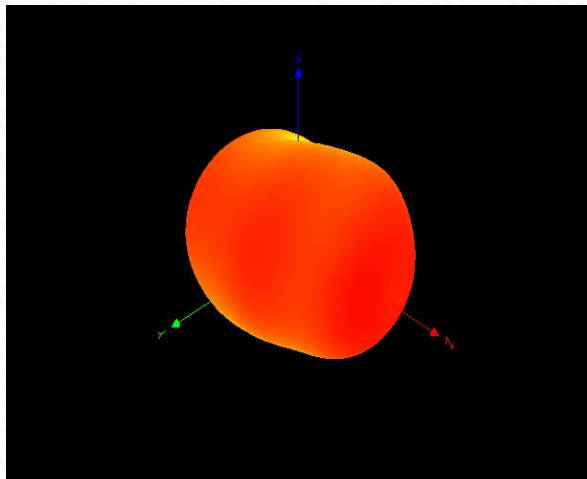
430MHz



433MHz



440MHz



Summary

1. Antenna matching unchanged;
2. Environmental handling unchanged

Thank You

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