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**Auden Communications & Multimedia Techno (Kunshan) Co., Ltd
Shenzhen branch**

NN01-110 Antenna Evaluating Report

Prepared By: caichengwei

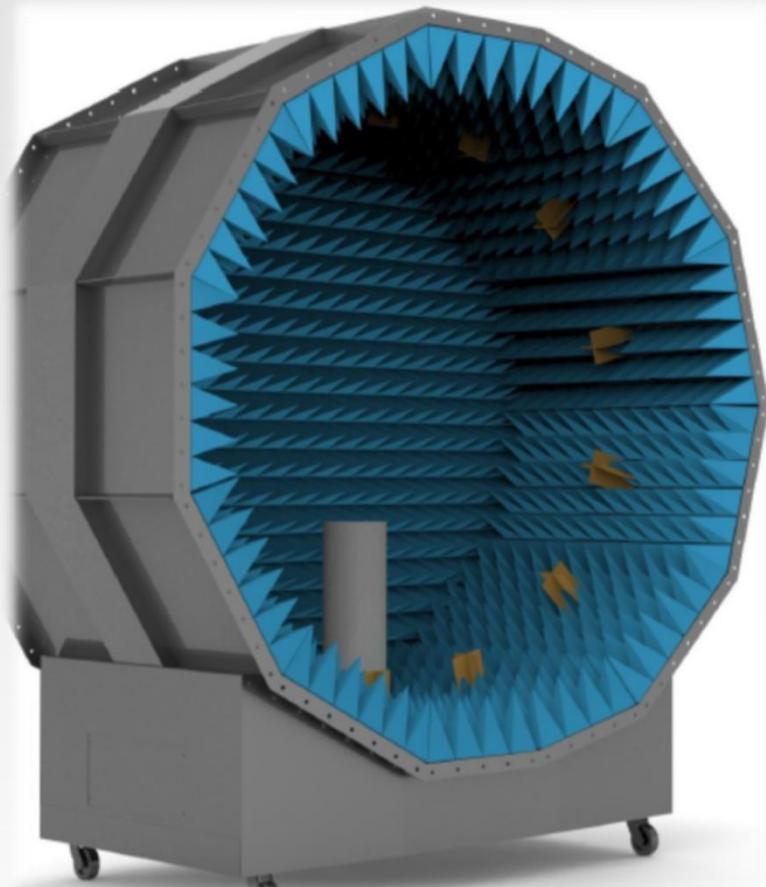
Date of Report: 2023-1-3

Report History

Date	Rev	Description
2023-1-3	01	Test BT&Ant+ Efficiency and Gain



Equipment



- Chamber : GTS Rayzone1800
- Network analyzer : Agilent E5071C
- 2G/3G comprehensive tester : Agilent 8960
- LTE comprehensive tester : Anritsu MT8820
- TD comprehensive tester : StarPoint SP6010
- WIFI comprehensive tester : Anritsu MT8860
- GPS Signal Source : Agilent E4438C



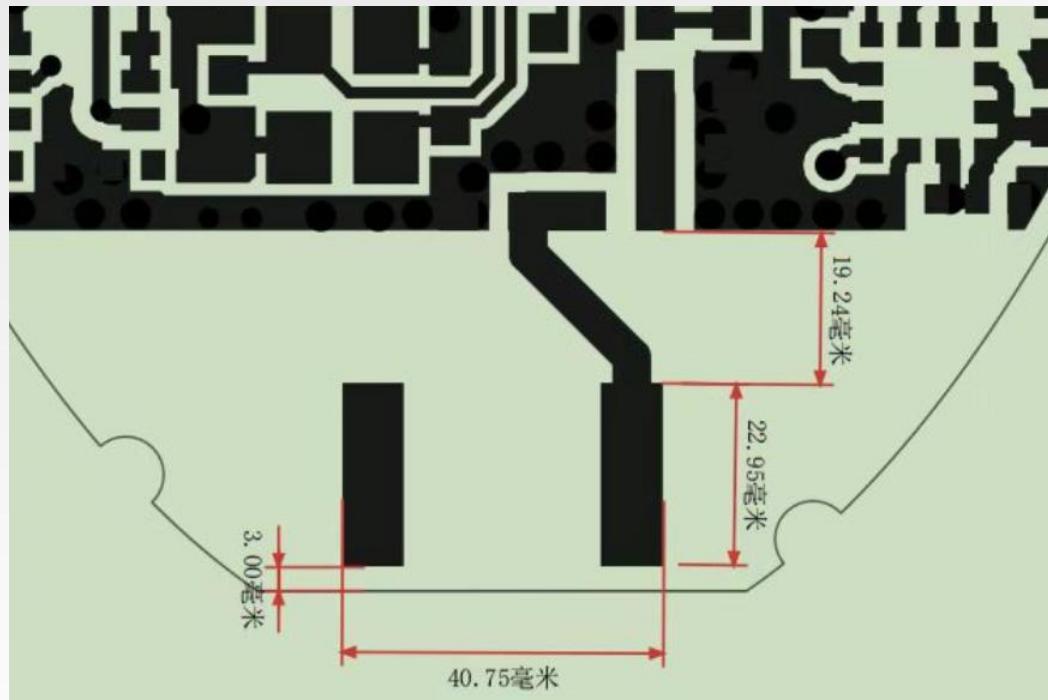
Fixture Environment

Frequency Range

Using System	Band	Using System	Band
GSM	-	WIFI / BT	2.4G(2400-2500MHz)
WCDMA	-	GPS	-
TD-SCDMA	-	FM	-
CDMA	-	Others	-
FDD LTE			
TDD LTE			

Antenna information

- P/N: NN01-110 Antenna Type: Glass Epoxy Chip Antenna
- Manufacturer: Ignion Micro Reach XtendTM
- Brand: ignion
- Dimension (Unit : mm) :

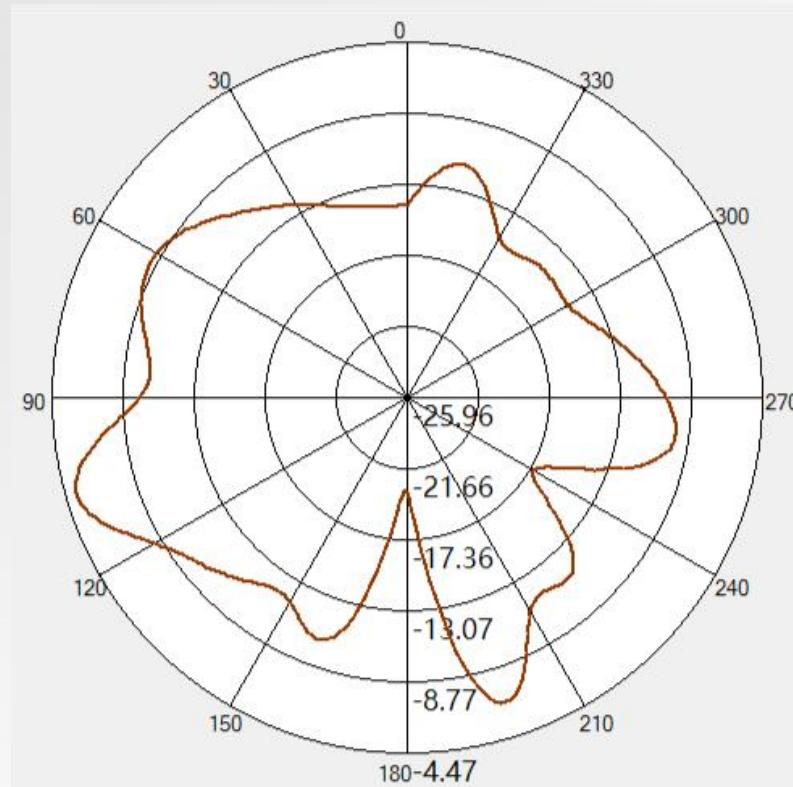


Effic & Gain

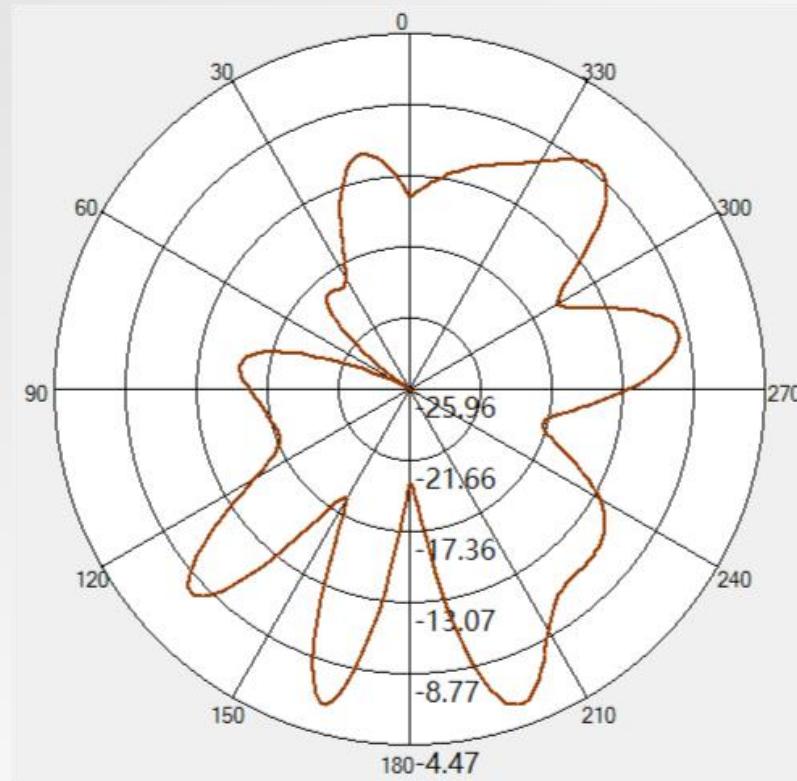
Frequency(MHz)	Eff.(%)	Gain(dBi)
2400	7. 79	-4. 66
2410	8. 63	-4. 37
2420	9. 33	-4. 12
2430	10. 88	-3. 55
2440	12. 51	-3. 11
2450	13. 64	-2. 57
2460	15. 86	-1. 65
2470	17. 14	-1. 06
2480	16. 73	-0. 89
2490	16. 79	-0. 63
2500	15. 75	-0. 69



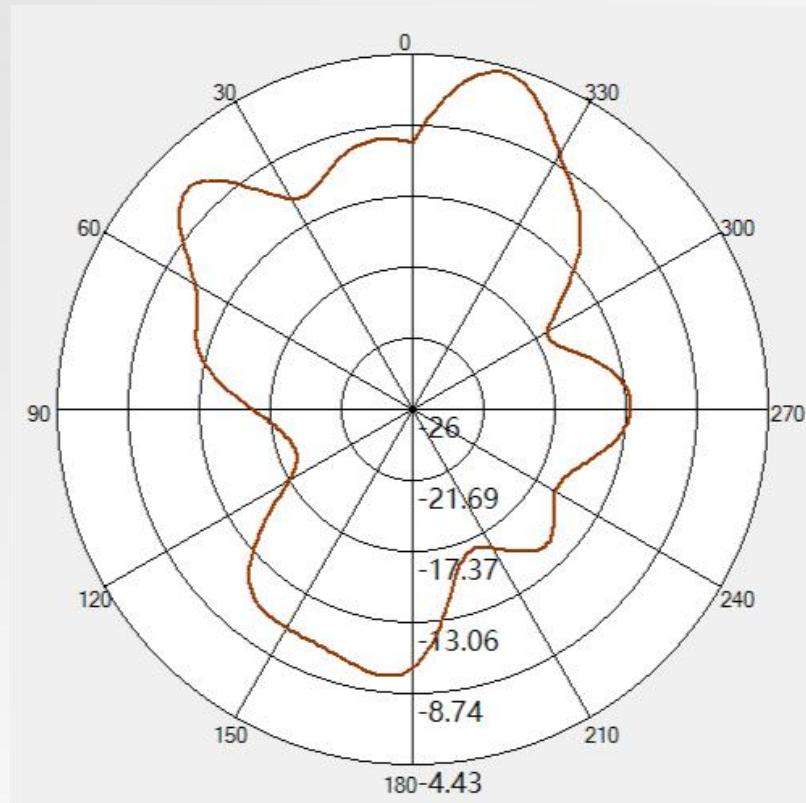
E1 Plant



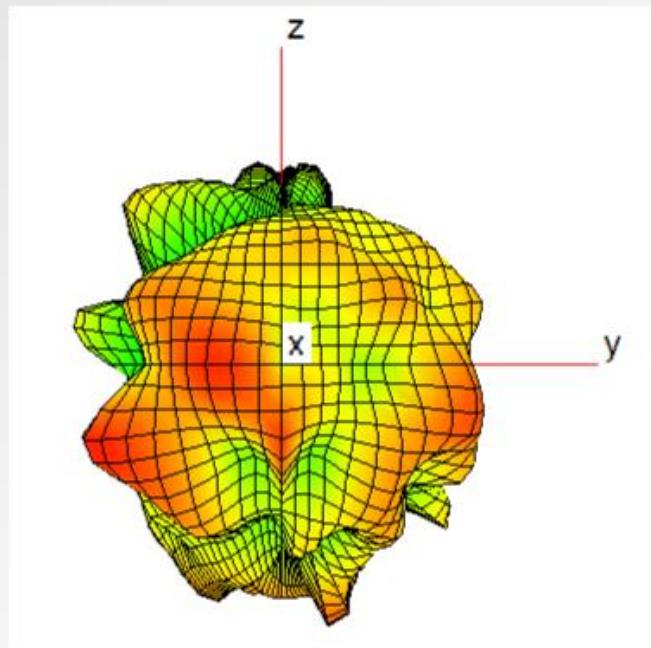
E2 Plant



H plant



3D Radiation



Thank You

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AUDEN ASPIRE
UPGRADE
DEVOTE
EXCELLENCE
NAVIGATOR

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