
Shenzhen Dasan Communication Co., Ltd.

RMC102 Antenna Evaluating Report

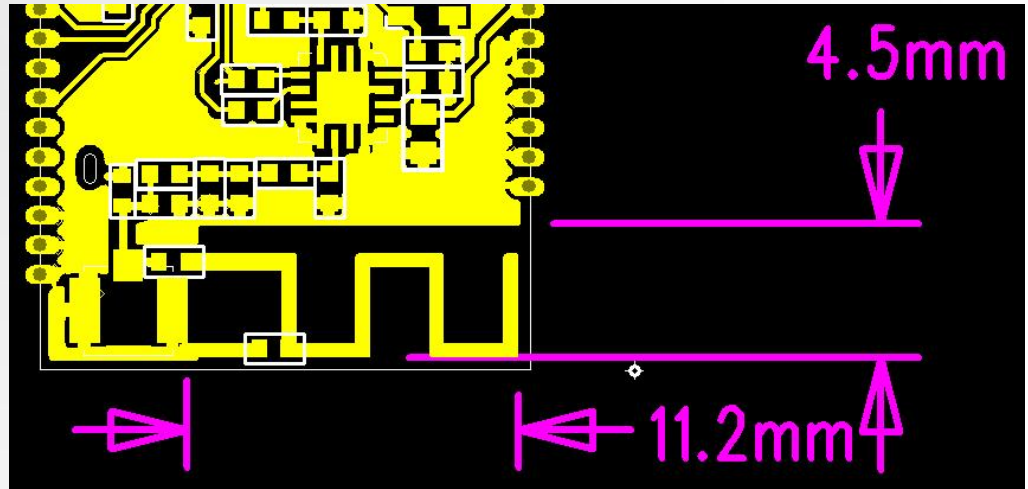
Prepared By: MoLinhua

Date of Report: 2026-9-7

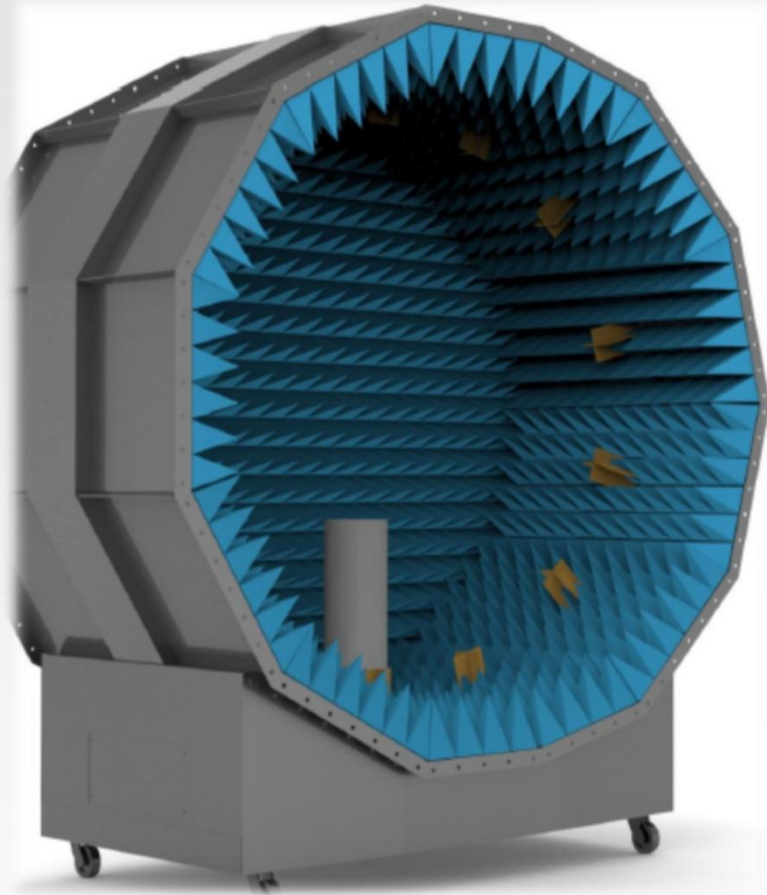
Date	Rev	Description
20268-8-8	01	TEST Ant Efficiency and Gain

Manufacturer & DIM

- Manufacturer:
Shenzhen Xinzhide Technology
Co., Ltd.
- Model : MD407PA ANT
- Gain : -1.78dBi
- DIM: on-board antenna



Equipment



- Chamber : GTS Rayzone1800
- Network Analyzer : Agilent E5071C
- WIFI Comprehensive test instrument : Anritsu MT8860
- GPS Signal source : Agilent E4438C

Fixture Environment

Antenna Frequency Band

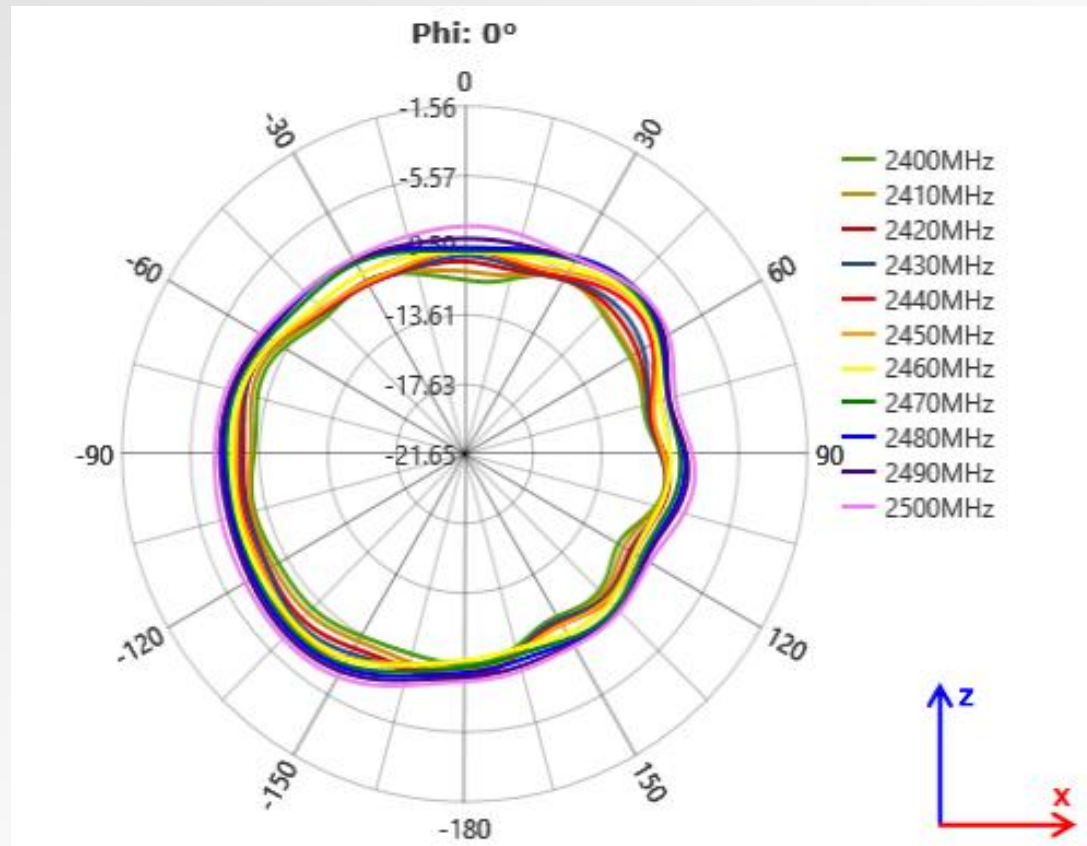
RF System	Band	RF System	Band
GSM	-	WIFI / BT	2.4G
WCDMA	-	GNSS	-
TD-SCDMA	-	FM	-
CDMA	-	Others	-
FDD LTE			
TDD LTE			

Ant TEST

Frequency(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	-3.47	-7.79	16.63
2410	-3.25	-7.58	17.46
2420	-2.84	-7.24	18.86
2430	-2.66	-7.1	19.5
2440	-2.48	-6.9	20.42
2450	-2.49	-6.85	20.67
2460	-2.43	-6.73	21.25
2470	-2.04	-6.34	23.23
2480	-1.78	-6.09	24.61
2490	-1.52	-5.86	25.94
2500	-1.07	-5.51	28.11

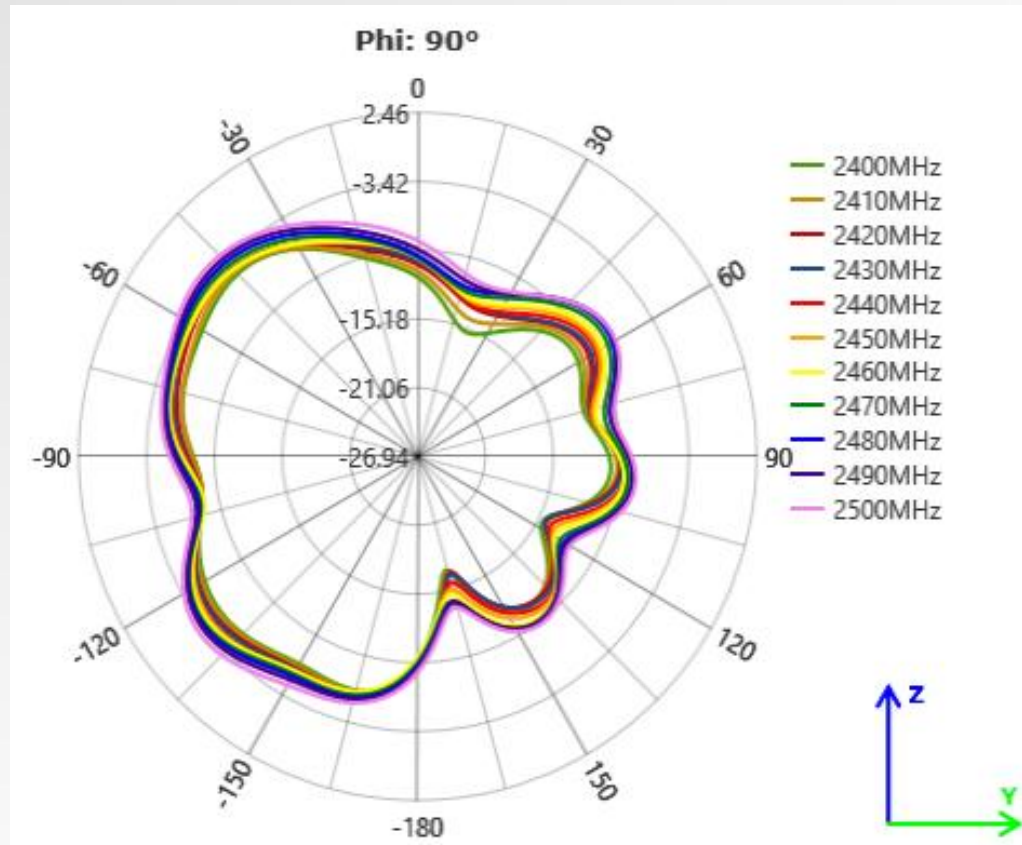
Ant TEST

E1 Plant (Unit: dBi)



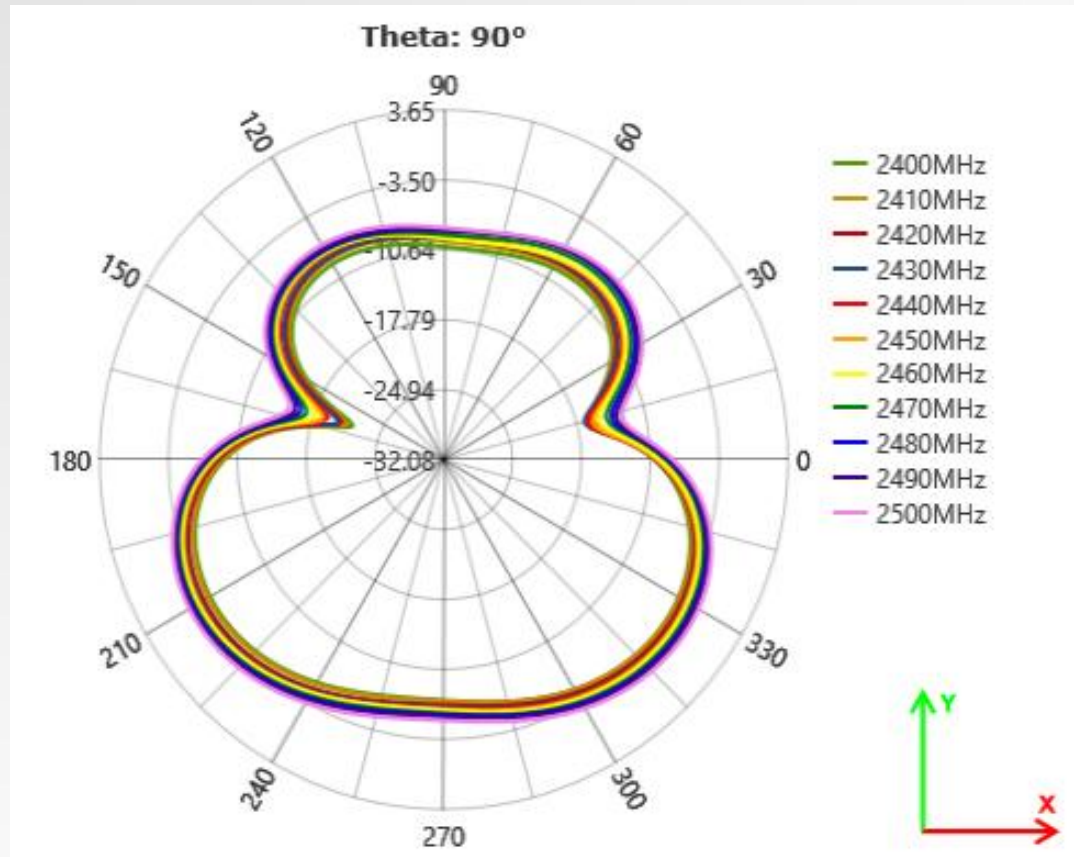
Ant TEST

E2 Plant (Unit: dBi)



Ant TEST

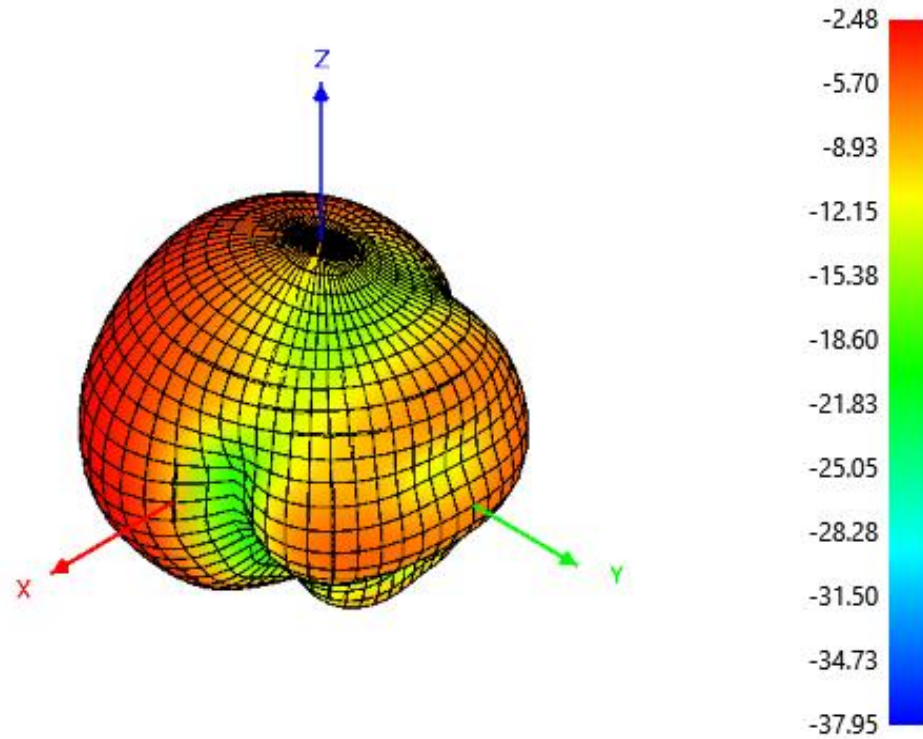
H plant (Unit: dBi)



Ant TEST

3D Radiation (Unit: dBi)

Freq: 2440MHz (AxisZ)



Thank You



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