

Application Date: 2024-12-10

SPECIFICATION

Ant. type(PIFA): YES

DATE: 20250610

DATASHEET REVISION: V1.0

MANUFACTURE: Etheta Communication Technology (ShenZhen) Co. Ltd

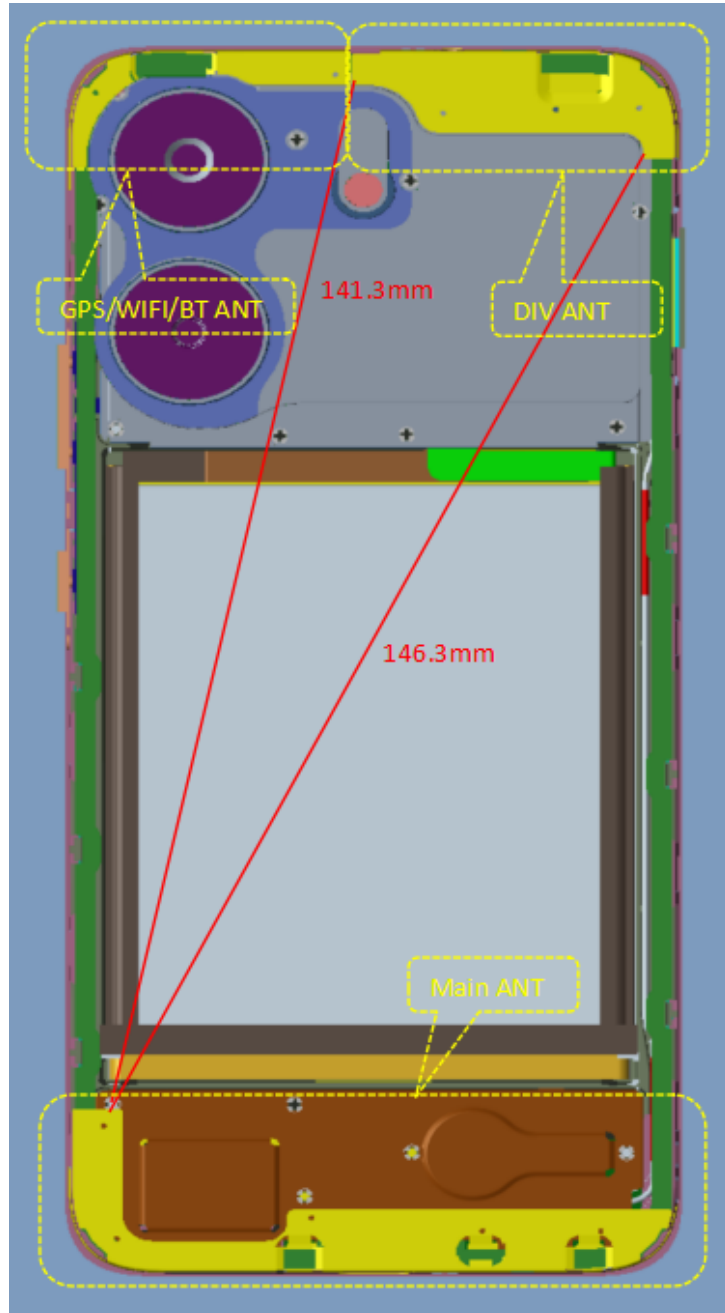
ADDRESS: No.401, Building 6, Zhangfeng Road, Oriental Community,
Songgang Street, Bao'an District, Shenzhen

Test Engineer : Jiang Yichen

Application Date: 2024-12-10

Antenna Placement

Application Date: 2024-12-10



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Antenna Performance

GPS/WIFI/BT ANT (TX antenna)

Description **Antenna Model name : RD992308NB87-3**

Frequency Range	1560-1600MHz; 2400-2500MHz; 5150-5850MHz;
Impedance	50Ω
Peak Gain	-0.8dBi (2.4G), -1.2 dBi (5G)
Admitted Power	N/A
Cable	N/A
Antenna Type	PIFA
Connector	N/A
Process	N/A

Antenna Efficiency(test in anechoic chamber)

Freq(MHz)	Effi(dB)
1560	-4.5
1570	-4.3
1580	-4.4
1590	-4.4
1600	-4.5
2400	-4.4
2410	-4.5
2420	-4.4
2430	-4.3
2440	-4.2
2450	-4.2
2460	-4.3
2470	-4.5

Etheta Communication Technology (ShenZhen) Co. Ltd

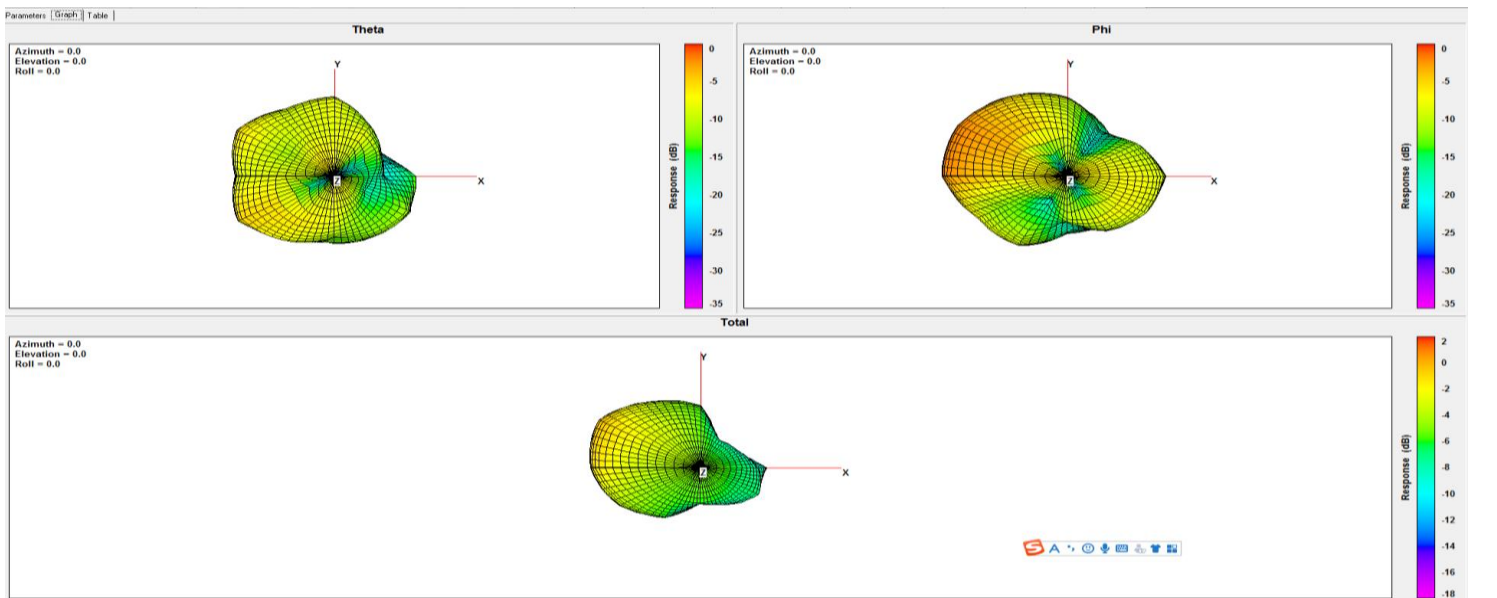
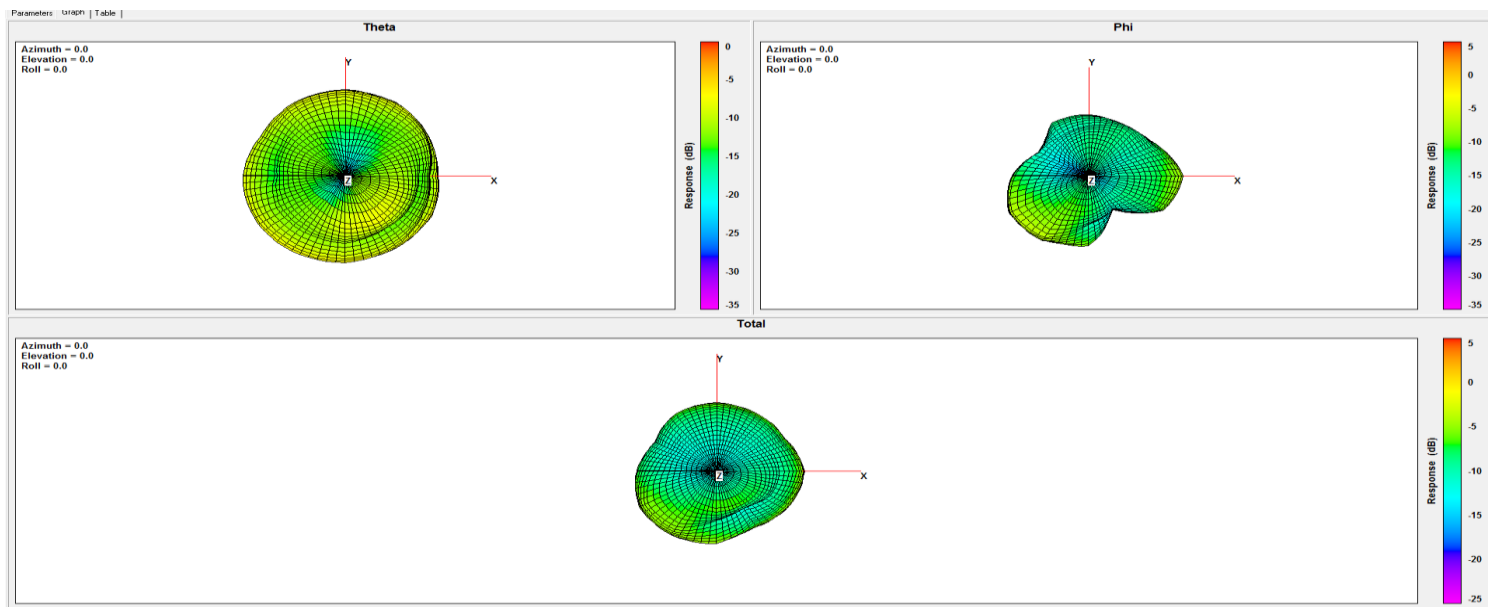
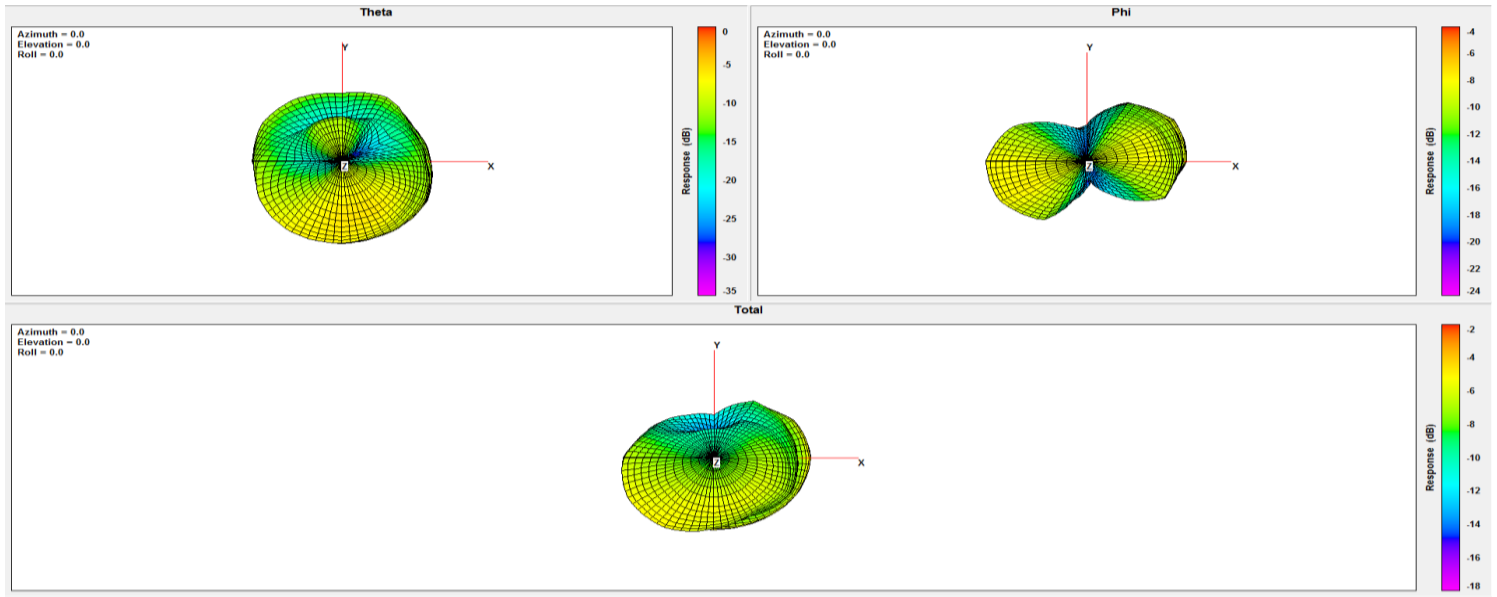
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2480	-4.6
2490	-4.7
2500	-4.7

5150	-5.9
5200	-5.7
5250	-4.9
5300	-4.7
5350	-4.5
5400	-4.3
5500	-4.2
5550	-4.1
5600	-4.2
5650	-4.5
5700	-4.4
5750	-4.3
5800	-4.7
5850	-5.0

Antenna 3D Radiation Pattern

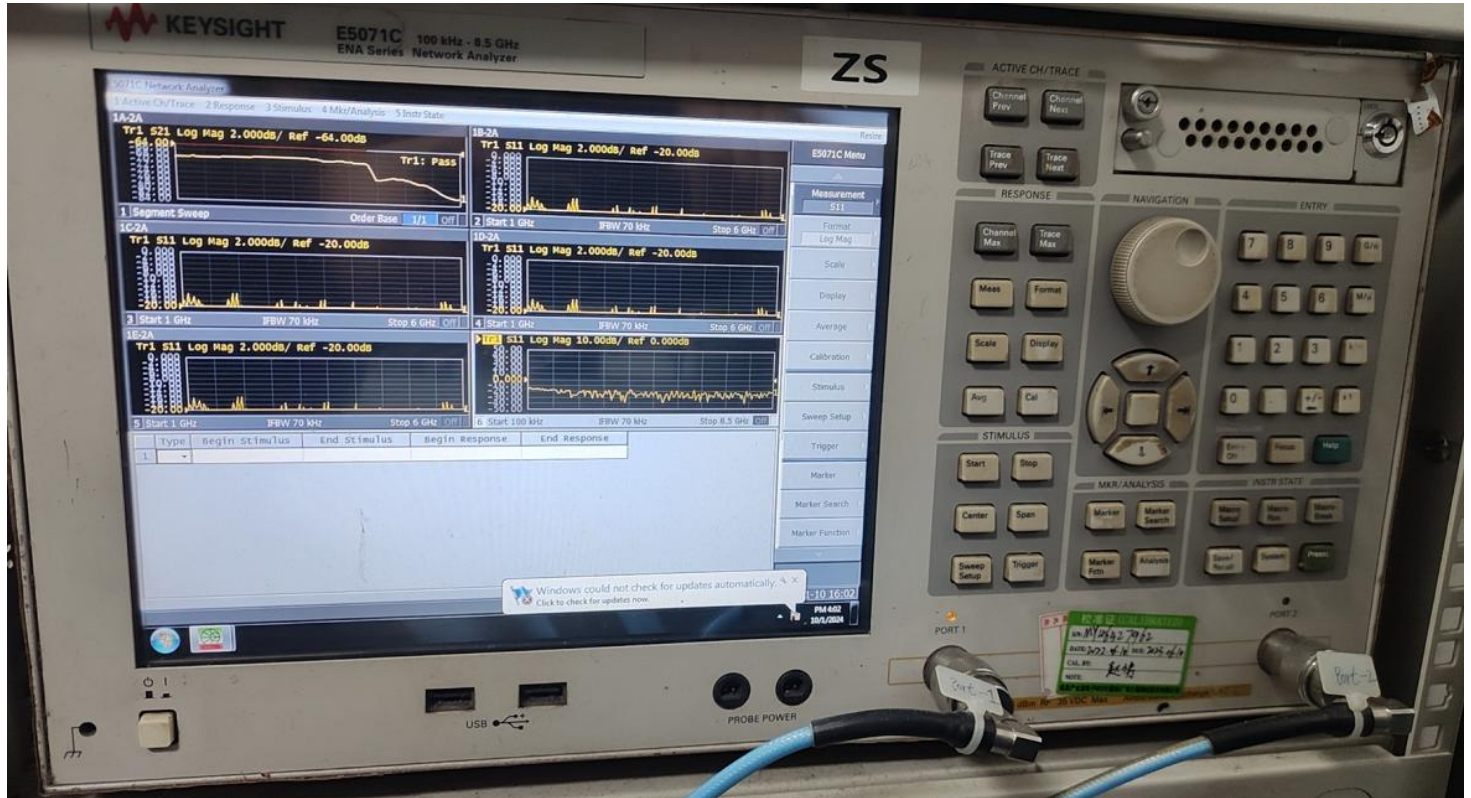
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Test setup

Test Environment, list of calibrated test equipment



KEYSIGHT E5071C ↑



ROHDE&SCHWARZ CMW500 ↑

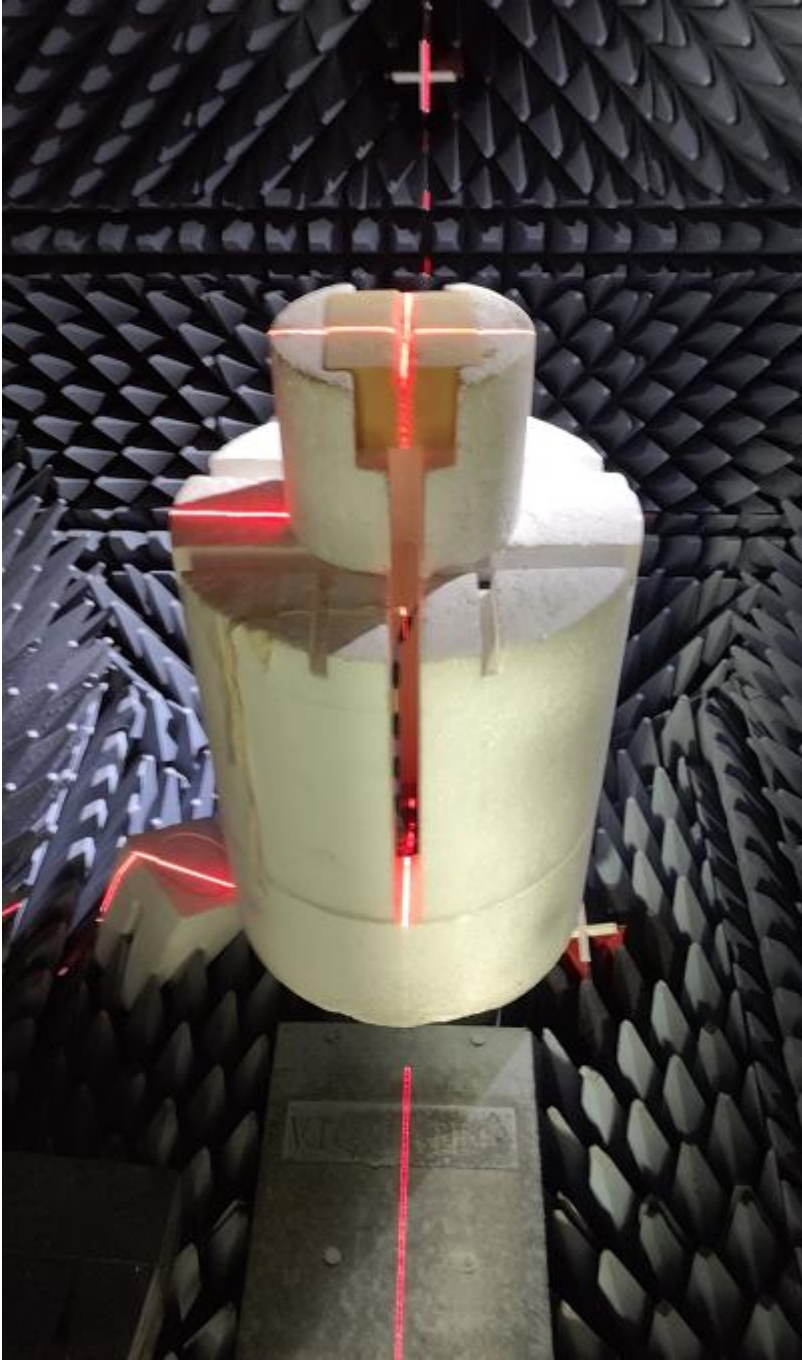
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Agilent E4438C ↑



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GTS2800 ↑

Calibration Date : 20241010