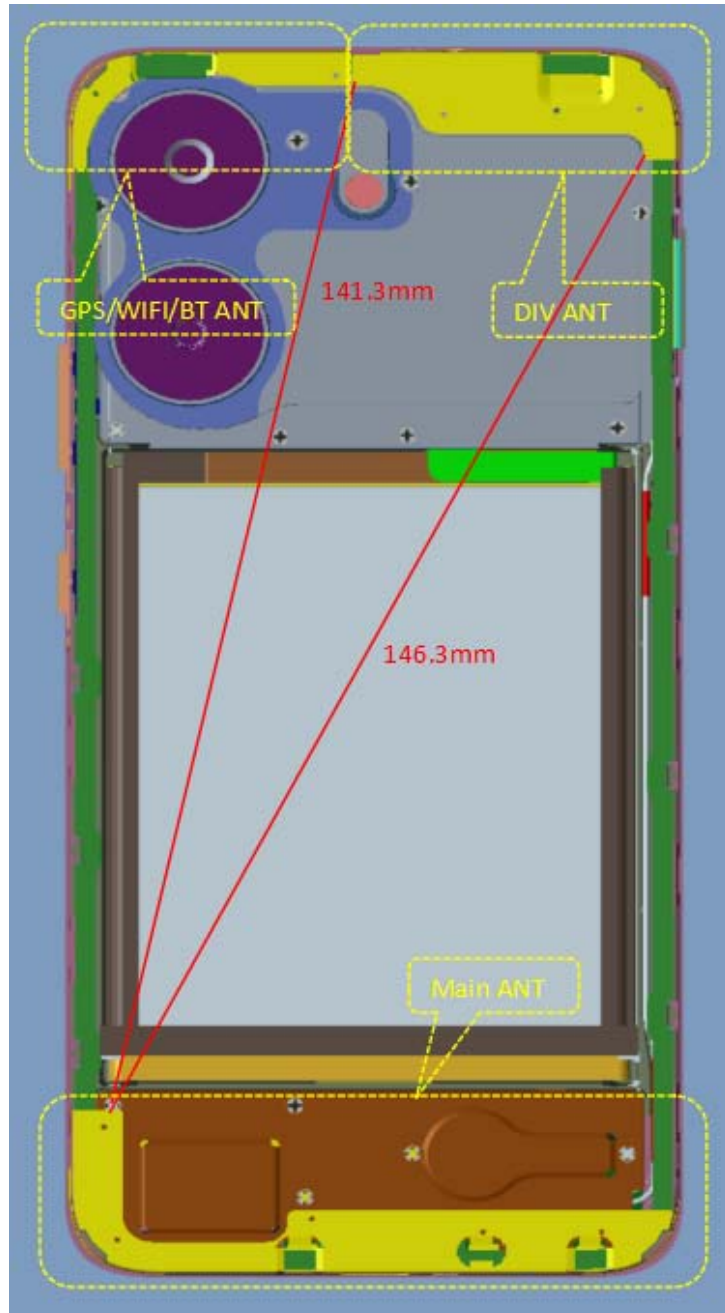


SPECIFICATION

Ant. type(PIFA): YES
DATE: 20231210
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

Antenna Placement



Summary table

Check Items	Information	Page
Manufacturer	Eheta Communication Technology (ShenZhen) Co. Ltd	1
Antenna pattern / Test data (Tx Antenna, Rx antenna, GPS, WiFi6E, etc)	Included frequency, antenna gain, type	4-5
Test Setup	Test Environment, list of calibrated test equipment	6-8

Antenna Performance

GPS/WIFI/BT ANT (TX antenna)

Description Antenna Model name : RD992308NB87-3

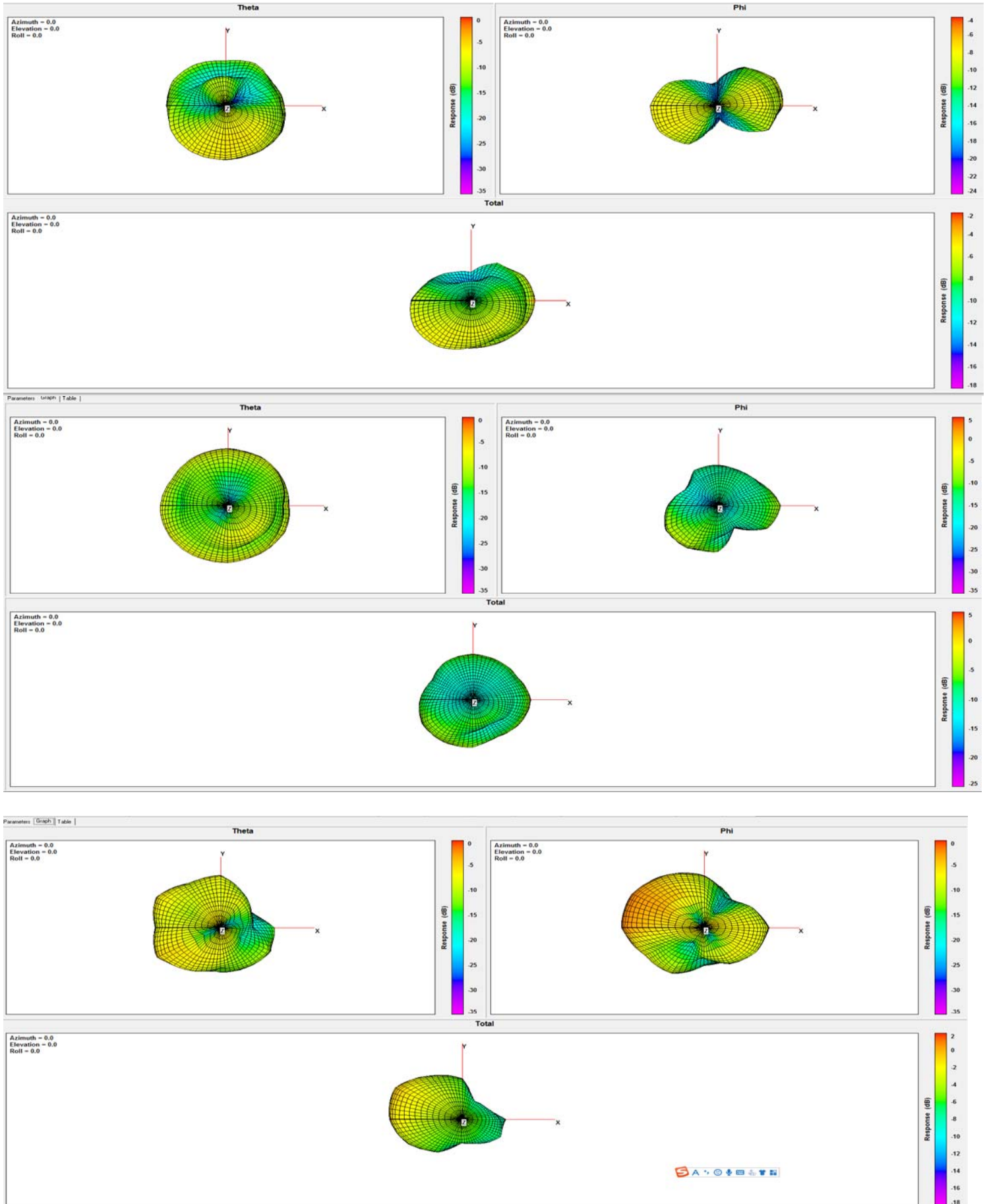
Frequency Range	1560-1600MHz; 2400-2500MHz; 5150-5850MHz;
Impedance	50Ω
Peak Gain	-0.8dBi
Admitted Power	N/A
Cable	N/A
Antenna Type	PIFA
Connector	N/A
Process	N/A

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
2480	-4.6
2490	-4.7
2500	-4.7

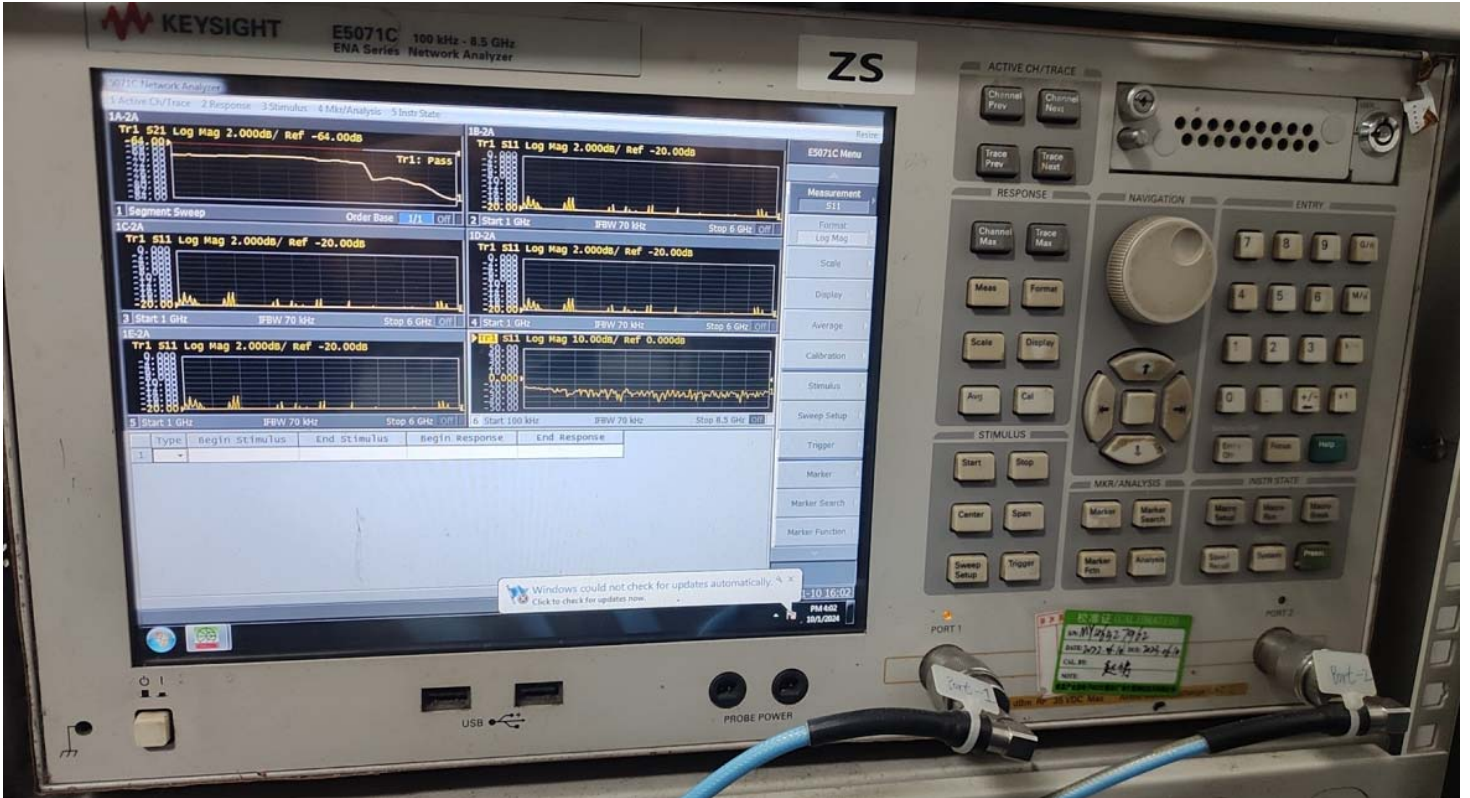
5150	-5.9
5200	-5.7
5250	-4.9
5300	-4.7
5350	-4.5
5400	-4.3
5500	-4.2
5550	-4.1
5600	-4.2
5650	-4.5
5700	-4.4
5750	-4.3
5800	-4.7
5850	-5.0

Antenna 3D Radiation Pattern



Test setup

Test Environment, list of calibrated test equipment



KEYSIGHT E5071C ↑

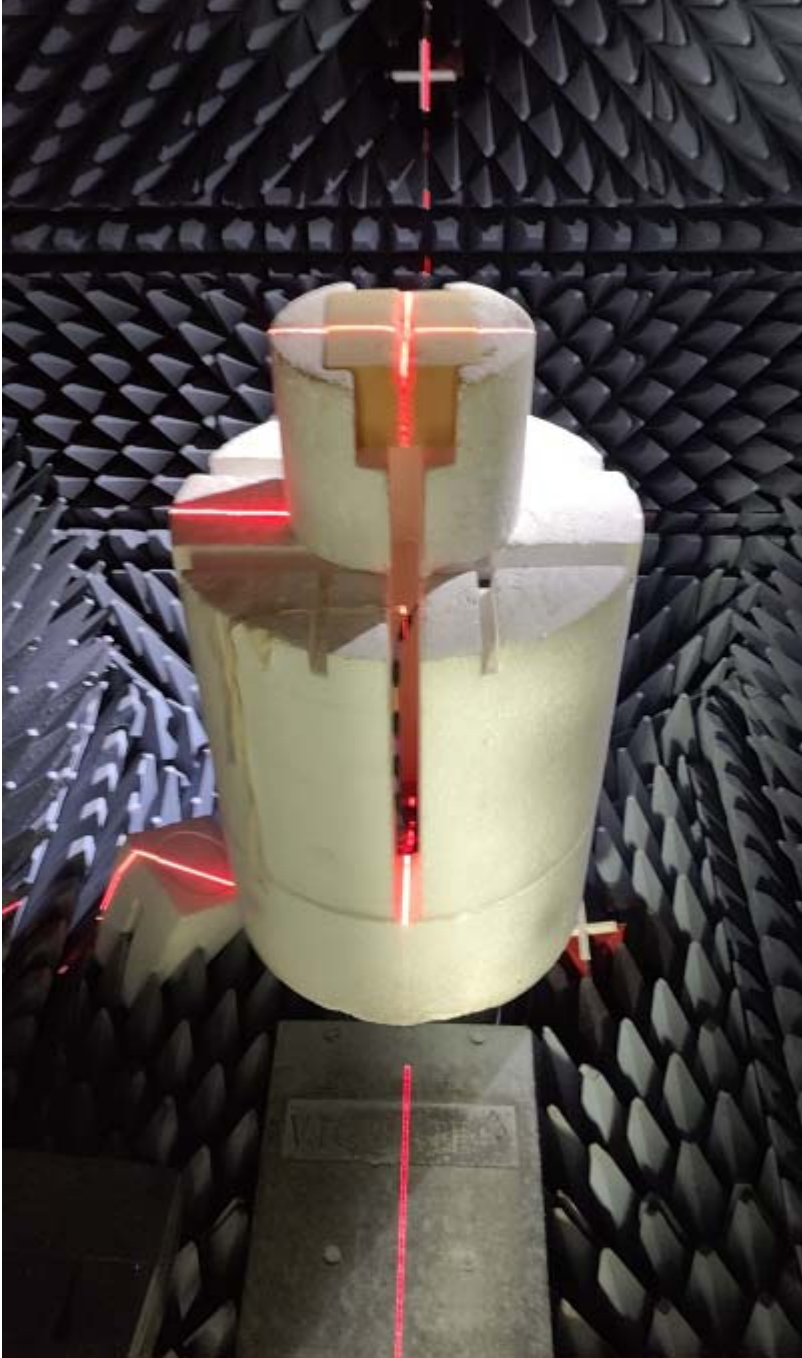


ROHDE&SCHWARZ CMW500 ↑



Agilent E4438C ↑





GTS2800 ↑

Calibration Date : 20231010