

# **SPECIFICATION**

**Ant. type(PIFA): YES**

**DATE: 20240322**

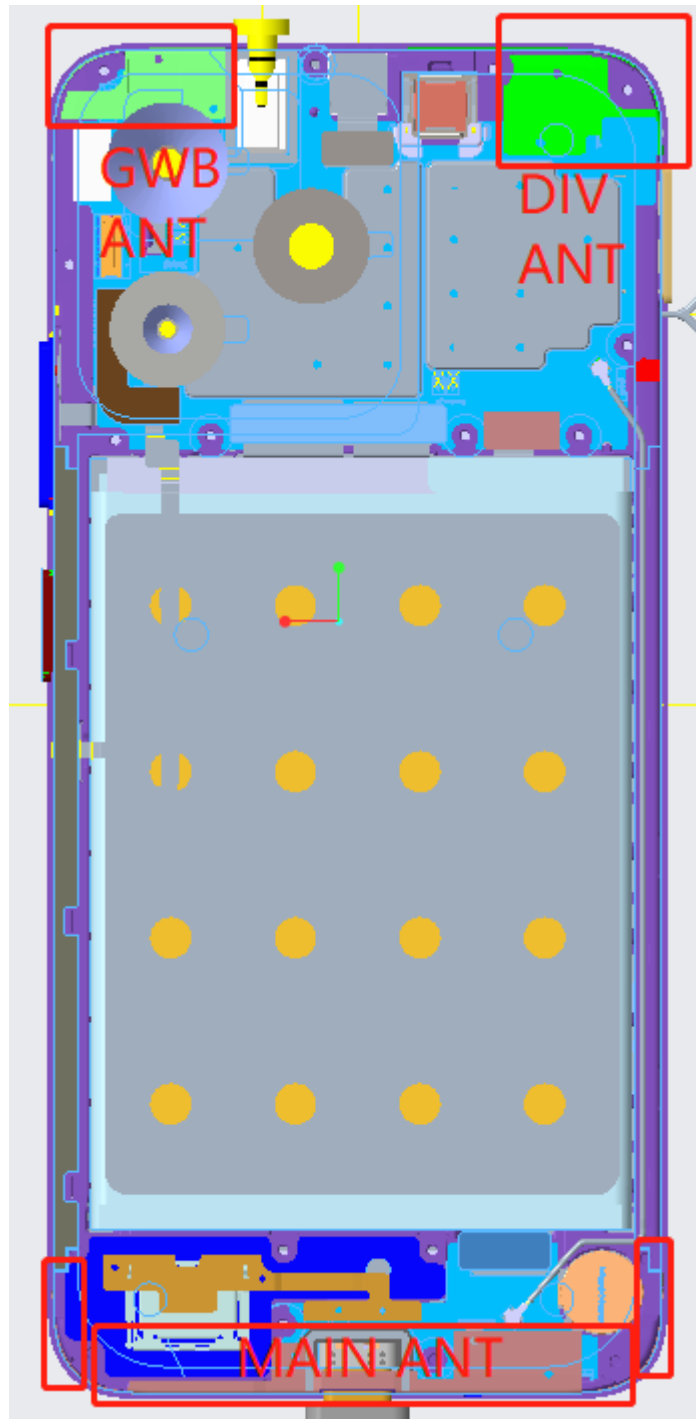
**DATASHEET REVISION: V1.0**

**MANUFACTURE: SHENZHEN KEXINHUACHENG COMMUNICATION TECHNOLOGY  
CO.,LTD**

**ADDRESS: No.33, Kelian Road, Yutang Street, Guangming District, Shenzhen**

**Test Engineer : Wang Li**

## Antenna Placement



**Summary table**

<b>Check Items</b>	<b>Information</b>	<b>Page</b>
Manufacturer	SHENZHEN KEXINHUACHENG COMMUNICATION TECHNOLOGY 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 : KH-564-011-GWB-V1.0**

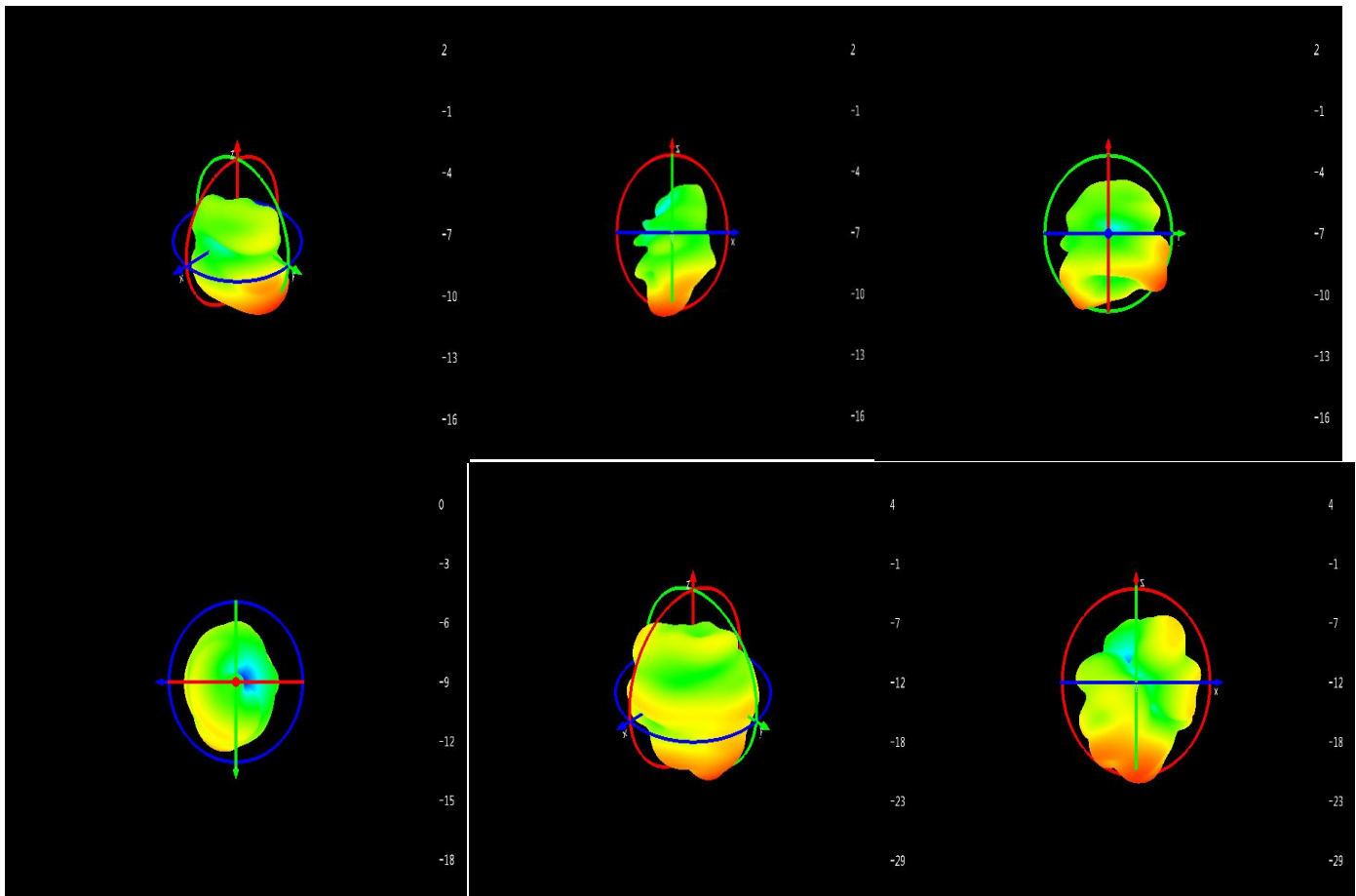
<b>Frequency Range</b>	1560-1600MHz; 2400-2500MHz;
<b>Impedance</b>	50Ω
<b>Peak Gain</b>	2.2dBi
<b>Admitted Power</b>	N/A
<b>Cable</b>	N/A
<b>Antenna Type</b>	PIFA
<b>Connector</b>	N/A
<b>Process</b>	N/A

Antenna Efficiency(test in anechoic chamber)

<b>Freq(MHz)</b>	<b>Effi(dB)</b>
1560	-4.7
1570	-4.6
1580	-4.79
1590	-4.93
1600	-5.43
2400	-4.24
2410	-4.07
2420	-4.17
2430	-4.35
2440	-4.14
2450	-4.03
2460	-4.18
2470	-4.27
2480	-4.27
2490	-4.42
2500	-4.41

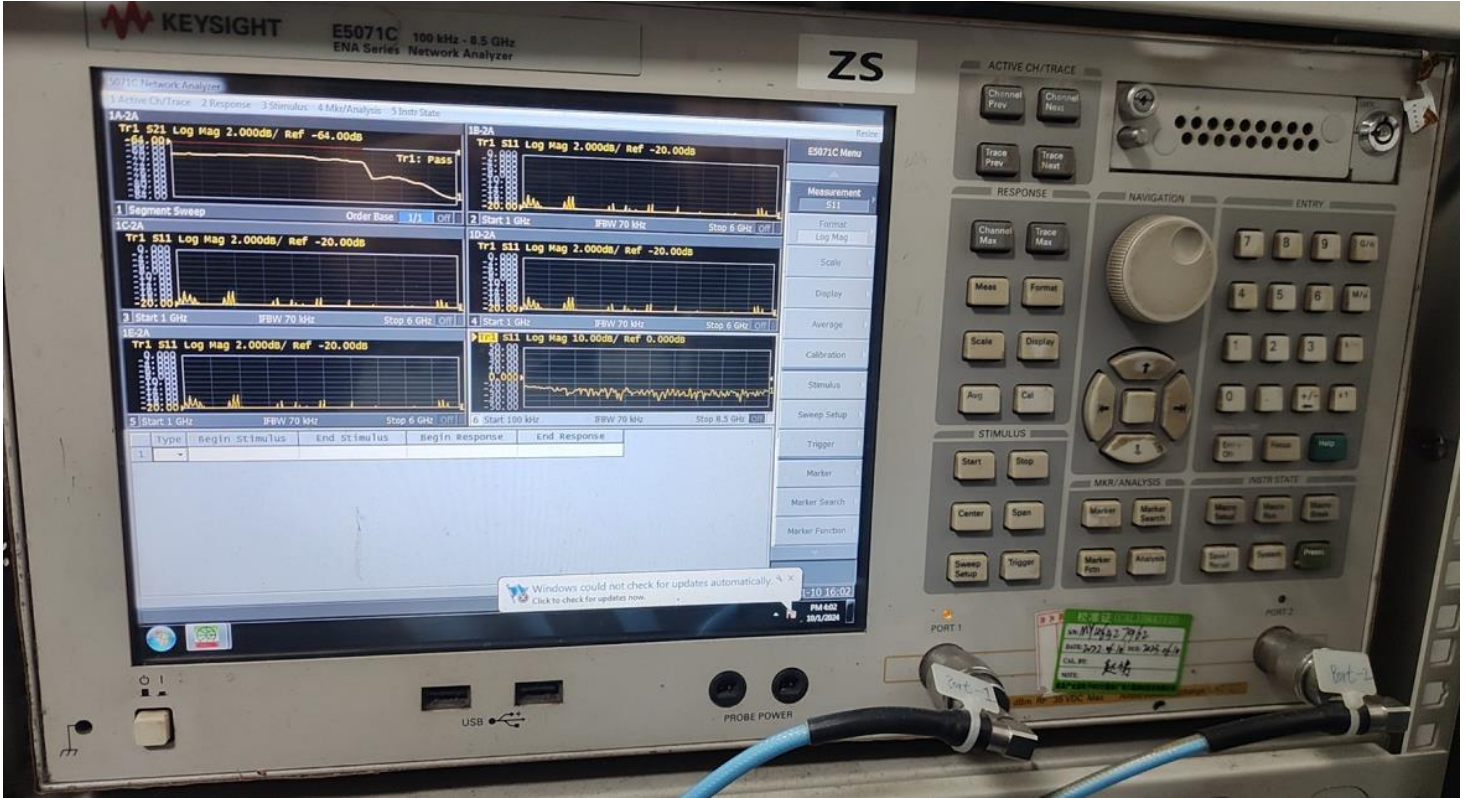
Antenna 3D Radiation Pattern

Freq(MHz)	Gain (dBi)
850	-2.2
900	-3.3
1800	-0.27
1900	-0.83
W1	-0.52
W2	-0.83
W5	-2.2
W8	-3.3
LTE-B1	-0.52
LTE-B2	-0.83
LTE-B3	-0.27
LTE-B4	-0.27
LTE-B5	-2.2
LTE-B7	-1.05
LTE-B8	-3.3
LTE-B20	-2.2
LTE-B28	-2.8
LTE-B40	-0.48
LTE-B41	-1.05
2.4G WIFI	1.8
GPS	-1.1



**Test setup**

Test Environment, list of calibrated test equipment



KEYSIGHT E5071C ↑



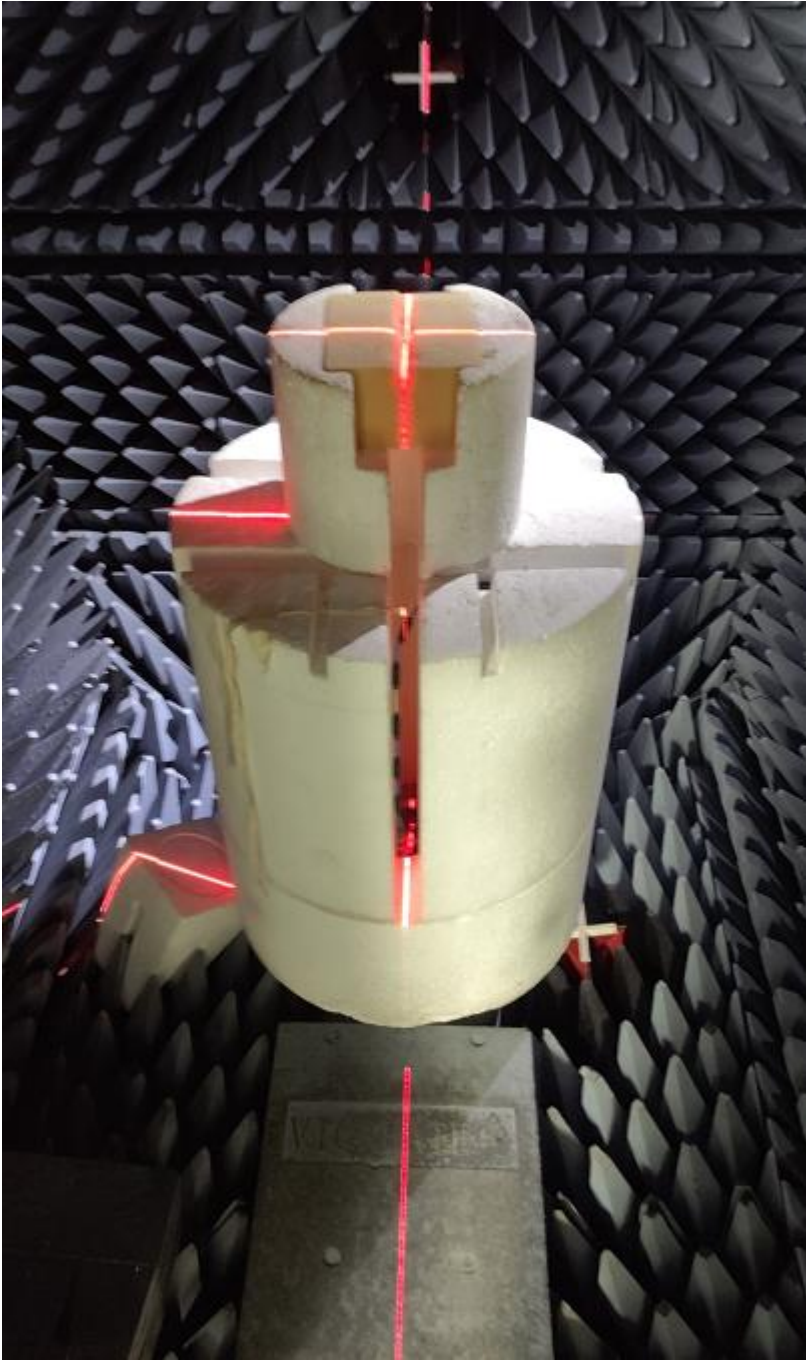
ROHDE&SCHWARZ CMW500 ↑





Agilent E4438C ↑





GTS2800 ↑

Calibration Date : 20240320