

Antenna Specifications

Main Antenna vendor: Etheat Communication Technologies Co., Ltd

Test lab: GTS RZ 2800

Antenna model name: Insert molding metal

Issue date: 2023/4/13

Etheat Communication Technologies Co., Ltd

Block B and D, 3rd Floor, Building 1, Baisha Science and Technology Industrial Park, 3011
Shahe West Road, Nanshan District, Shenzhen, China

Peak Gain**ANT0**

Antenna model name: Insert molding metal

Antenna type: IFA

BAND	Peak Gain(dBi)
GSM 850	-3.5dBi
GSM 900	-3dBi

BAND	Peak Gain(dBi)
WCDMA B5	-3.5dBi
WCDMA B8	-3.5dBi

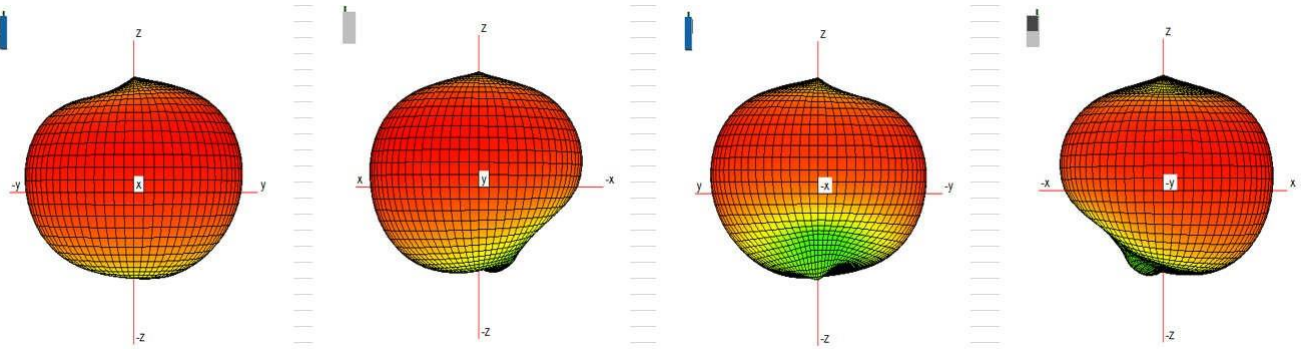
LTE BAND	Peak Gain(dBi)
LTE B5	-3.5dBi
LTE B7	-3.5dBi
LTE B8	-3.5dBi
LTE B20	-3.5dBi
LTE B28	-4.5dB
LTE B38	-2dBi
LTE B40	-2dBi
LTE B41	-2dBi

NR FR1 BAND	Peak Gain(dBi)
N5	-3.5dBi
N8	-3.5dBi
N20	-4.5dB
N28	-4.5dB
N38	-2dBi
N41	-2dBi

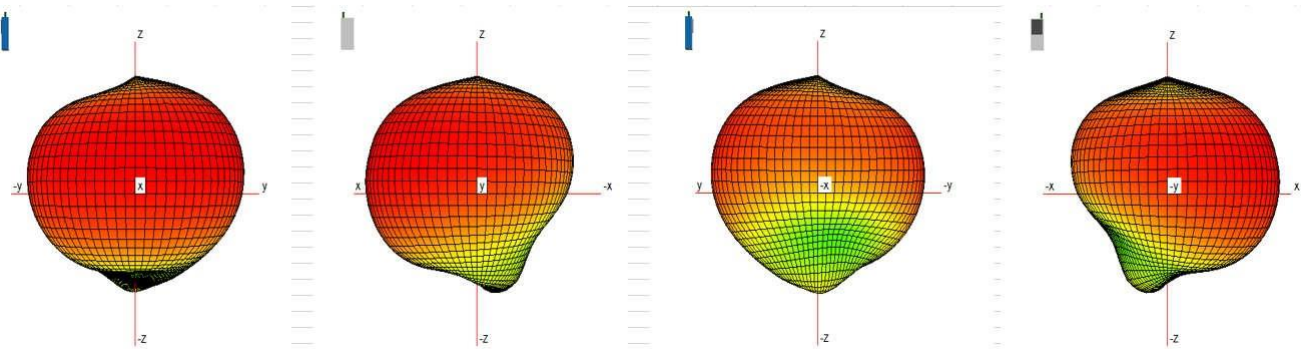
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

(Right view – Rear view – Left view – Front view)

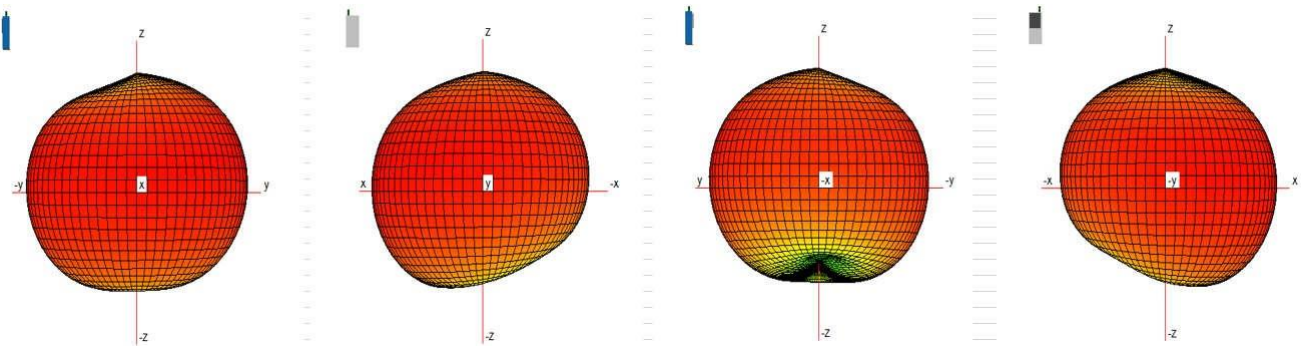
GSM850/WCDMA B5/LTE B5/ NR N5



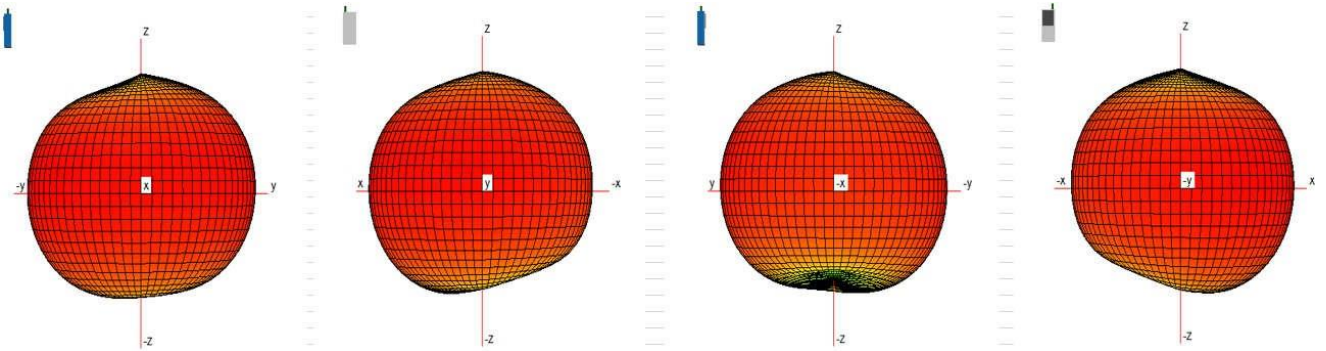
GSM900/WCDMA B8/LTE B8/ NR N8



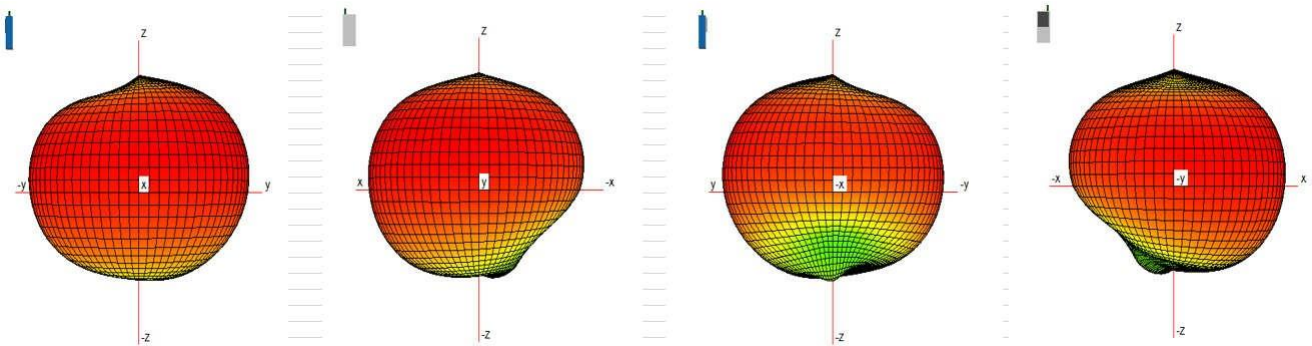
LTE B38/ NR N38



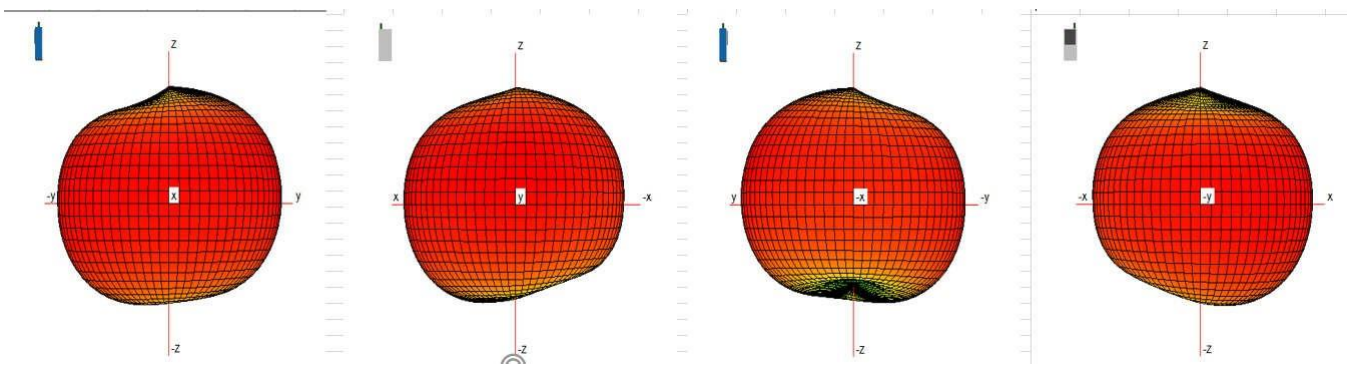
LTE B20/ NR N20



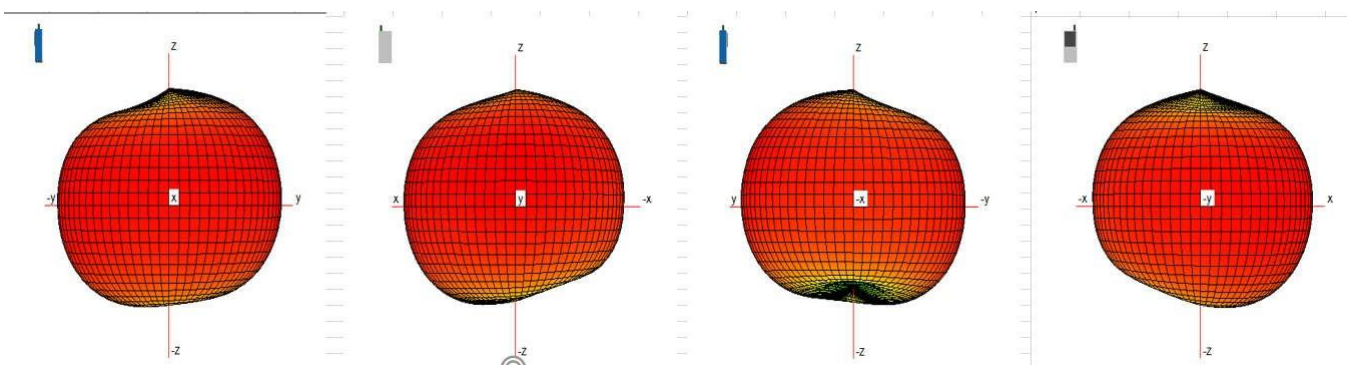
LTE B28/ NR N28



LTE B41/ /LTE B7/NR N41



LTE B40



ANT3

Antenna model name: Insert molding metal

Antenna type: IFA

BAND	Peak Gain(dBi)
GSM 1800	-2dBi
GSM 1900	-2dBi

BAND	Peak Gain(dBi)
WCDMA B1	-2dBi
WCDMA B2	-2dBi
WCDMA B4	-2dBi

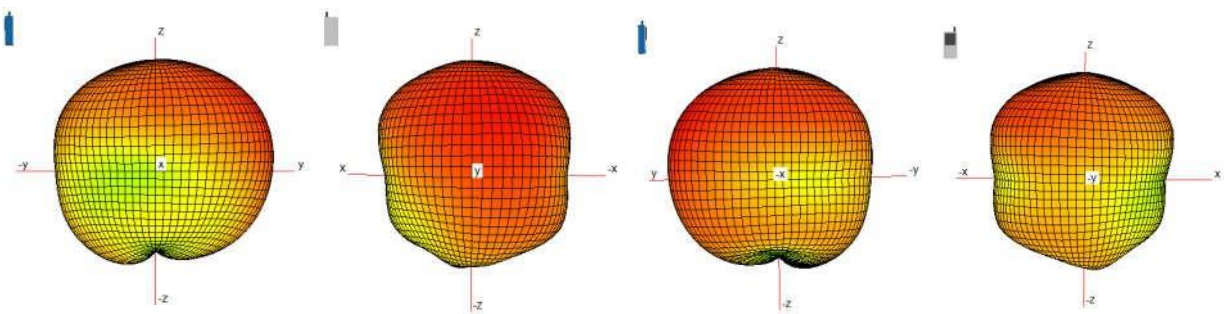
LTE BAND	Peak Gain(dBi)
LTE B1	-2dBi
LTE B2	-2dBi
LTE B3	-2dBi

NR FR1 BAND	Peak Gain(dBi)
N1	-2dBi
N3	-2dBi

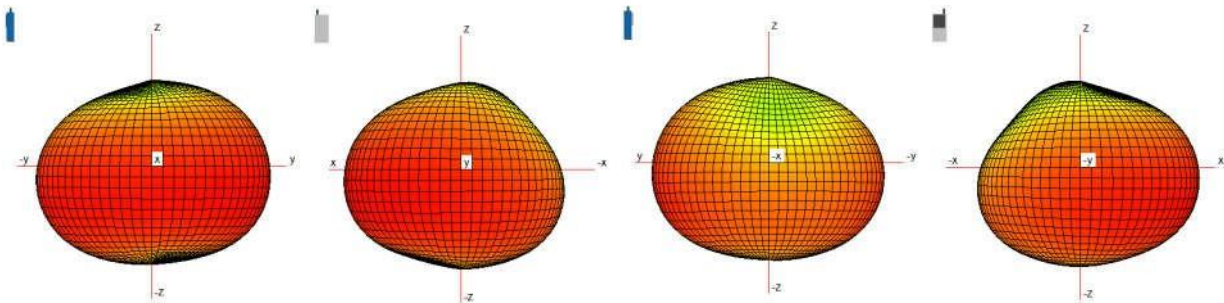
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

(Right view – Rear view – Left view – Front view)

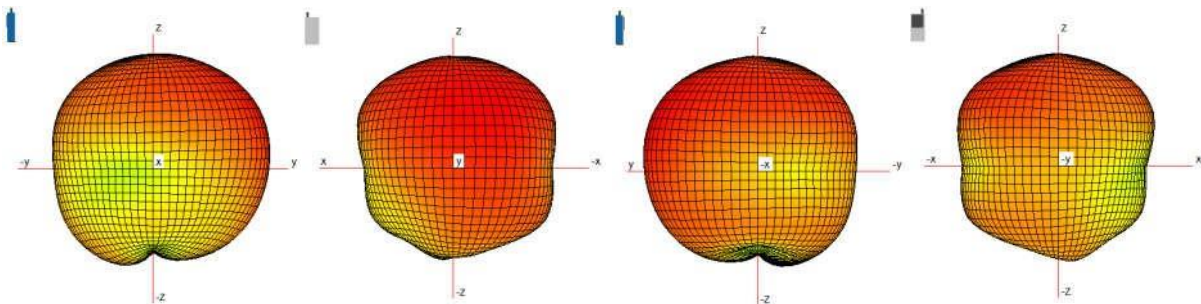
GSM1900/WCDMA B2/LTE B2



GSM1800/WCDMA B3/LTE B3/NR N3



WCDMA B1/LTE B1/NR N1



ANT7

Antenna model name: Insert molding metal

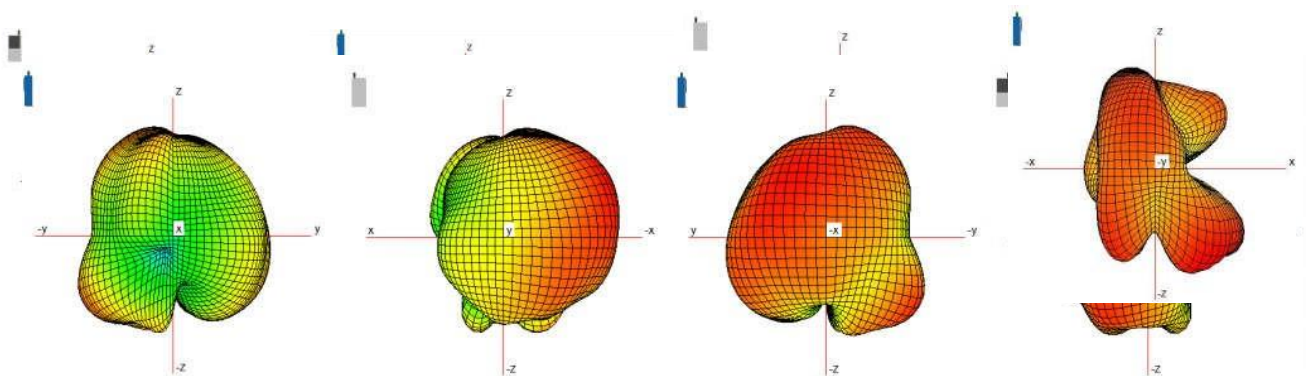
Antenna type: IFA

BT/WLAN Peak Gain (dBi)			
2400~2483.5MHz	-2.5dBi	5470~5725MHz	-7dBi
5150~5250MHz	-3.8dBi	5725~5850MHz	-8dBi
5250~5350MHz	-5dBi		

Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

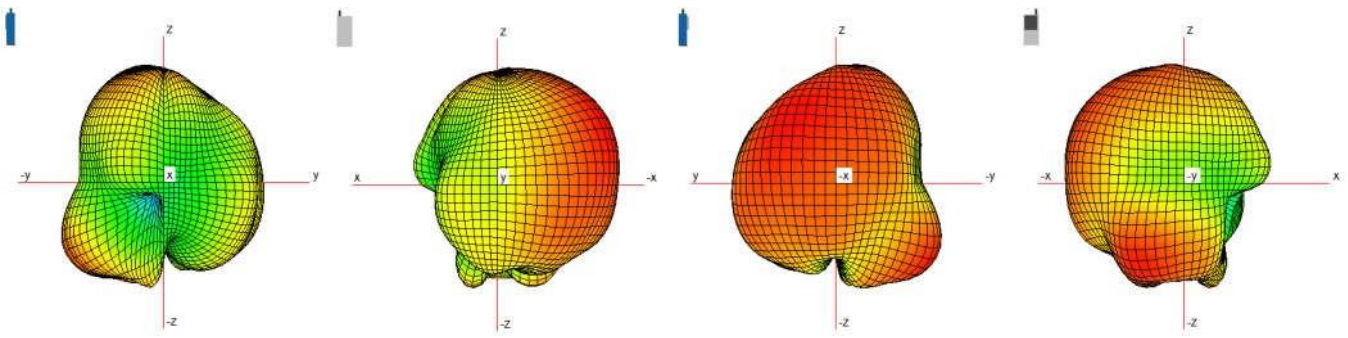
(Right view – Rear view – Left view – Front view)

WIFI 2.4G (2450 MHz)

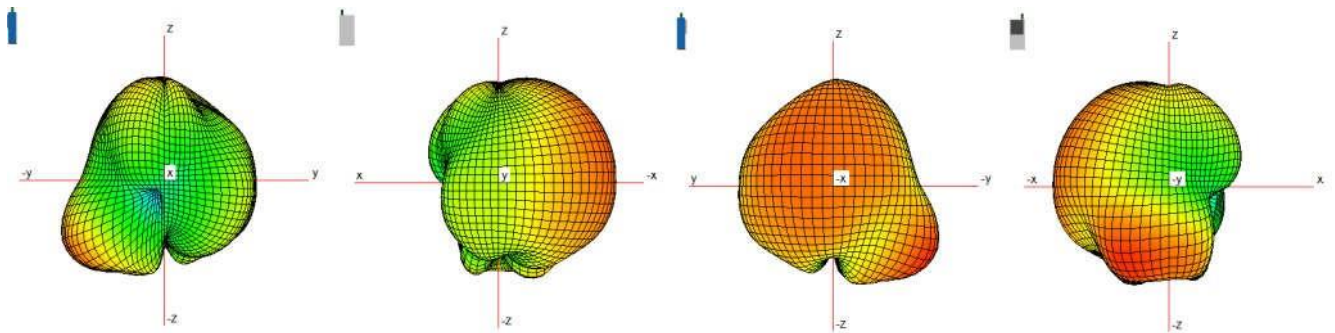


WIFI 5G (5200 MHz)

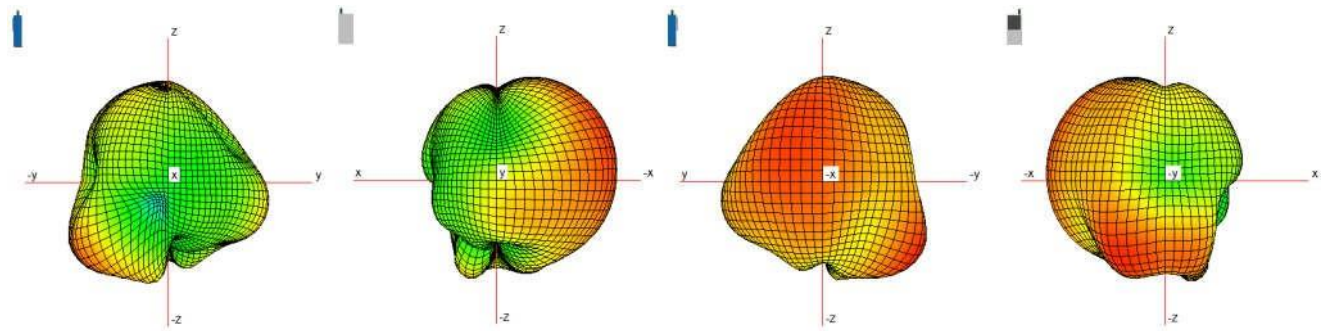
WIFI 5G (5300 MHz)



WIFI 5G (5500 MHz)



WIFI 5G (5800 MHz)



ANT5

Antenna model name: Insert molding metal

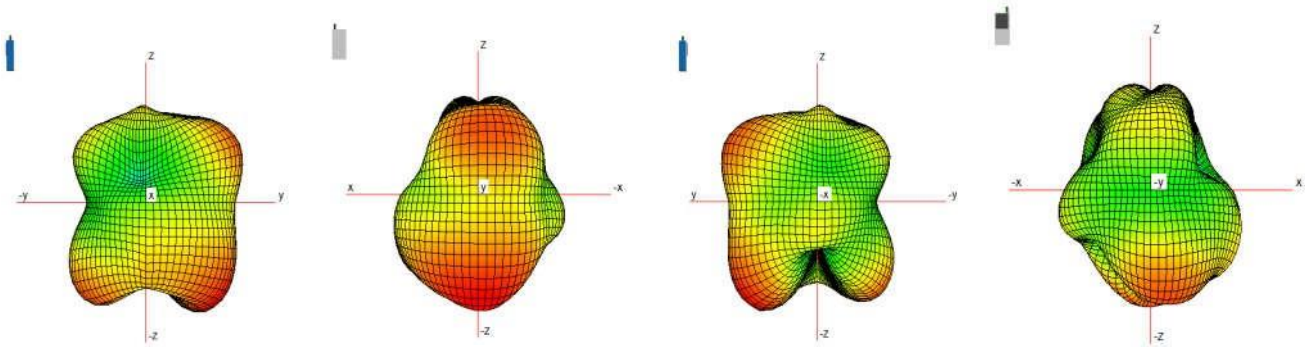
Antenna type: IFA

NR FR1 BAND	Peak Gain(dBi)
N77	1.2dBi

Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

(Right view – Rear view – Left view – Front view)

NR N77



ANT6

Antenna model name: Insert molding metal

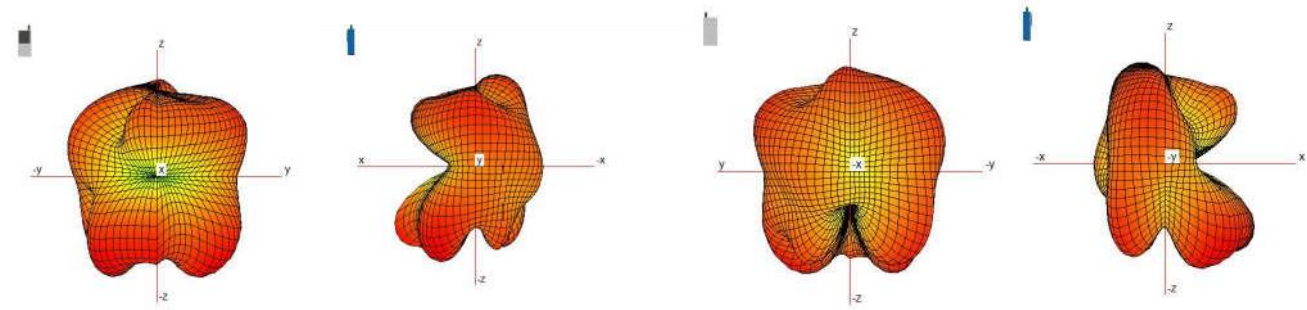
Antenna type: IFA

WLAN Peak Gain (dBi)			
2400~2483.5MHz	-4.5dBi	5470~5725MHz	-2dBi
5150~5250MHz	-2.2dBi	5725~5850MHz	-2dBi
5250~5350MHz	-1.5dBi		

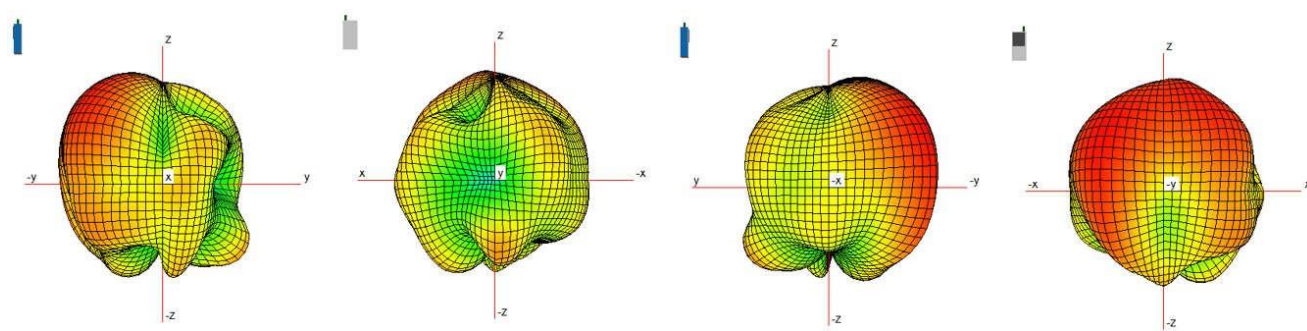
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

(Right view – Rear view – Left view – Front view)

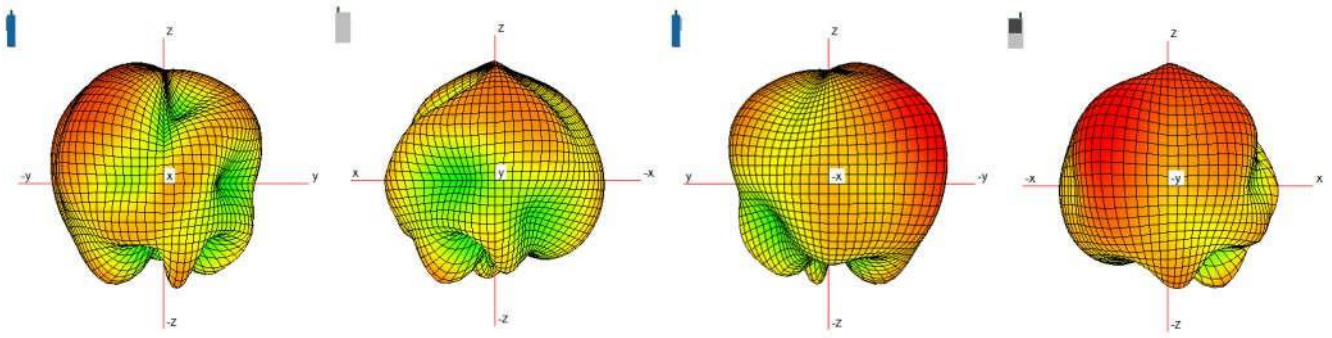
WIFI 2.4G (2450 MHz)



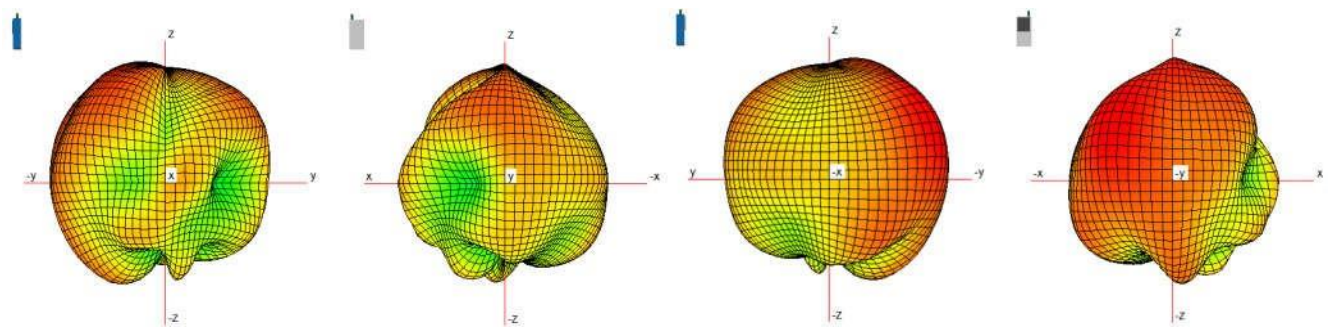
WIFI 5G (5200 MHz)



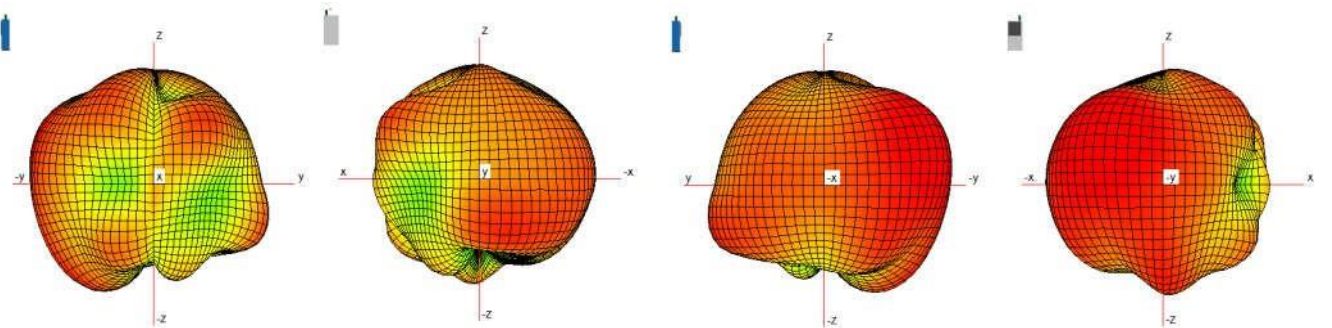
WIFI 5G (5300 MHz)



WIFI 5G (5500 MHz)



WIFI 5G (5800 MHz)



Distribution map TX Position



WIFI 0:
2. 4G+5GWIFI+BT

NR: N77/78 TRX

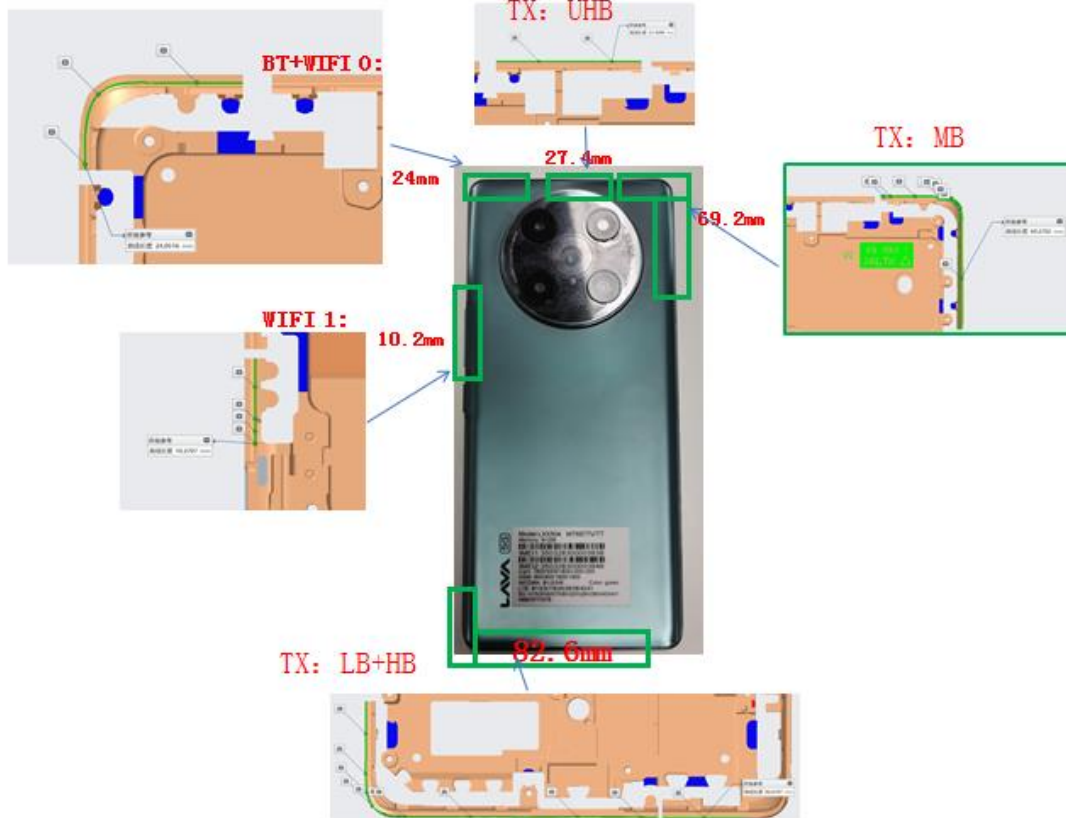
2G: GSM: 1800/1900
3G: WCDMA: B1/2/4
LTE: B1/2/3
NR: n1/3

WIFI 1:
2. 4G+5GWIFI



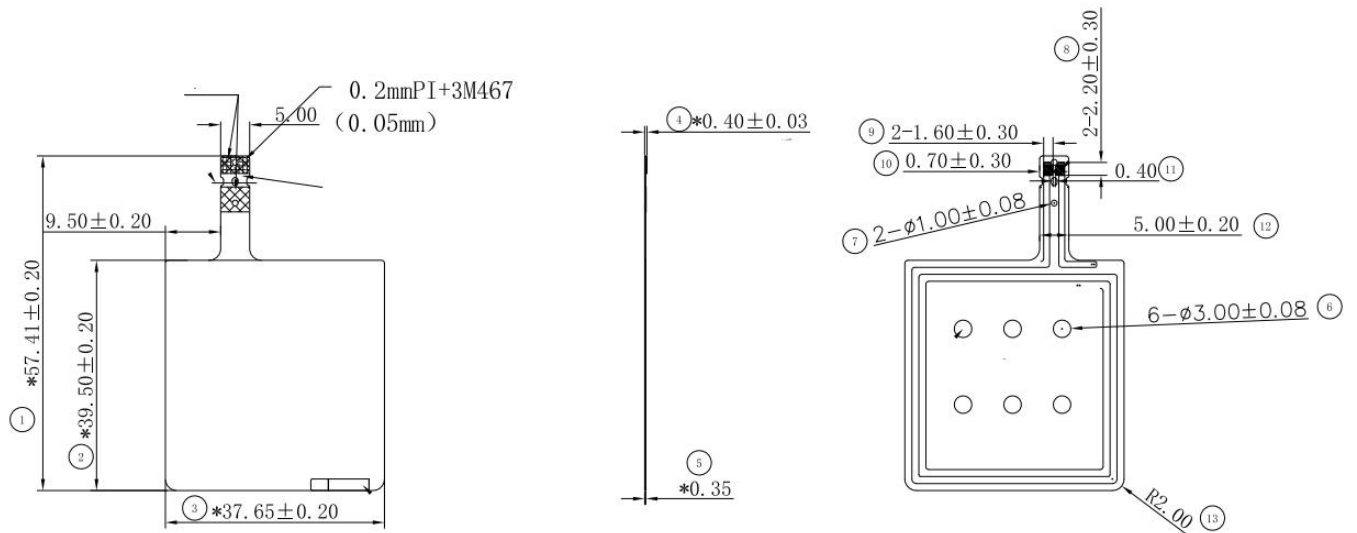
2G: GSM: 850/900
3G: WCDMA: B5/8
LTE: B5/7/8/20/28/38/40/41
NR: n5/n7/n8/n20/n28/n38/n41

Size diagram of transmitting antenna



NFC Antenna

Model: B1-NFC-RD-V1.0



We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.