

Antenna specification

Main Antenna vendor: Etheat Communication Technologies Co., Ltd

Antenna manufacturer address:

No. 408, Floor 4, Building 1, Liren Science Park, Yanta District, Xi'an

Test lab: GTS RZ 2800

Antenna model name: Insert molding metal

Issue date: 2023/4/13

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

LTE BAND	Peak Gain(dBi)
LTE B5	-3.5dBi
LTE B12	-5dBi
LTE B13	-5dBi
LTE B17	-5.1dBi
LTE B26	-4.4dBi
LTE B41	-2dBi
LTE B71	-4.5dB

NR FR1 BAND	Peak Gain(dBi)
N5	-3.5dBi
N41	-2dBi
N71	-4.5dBi

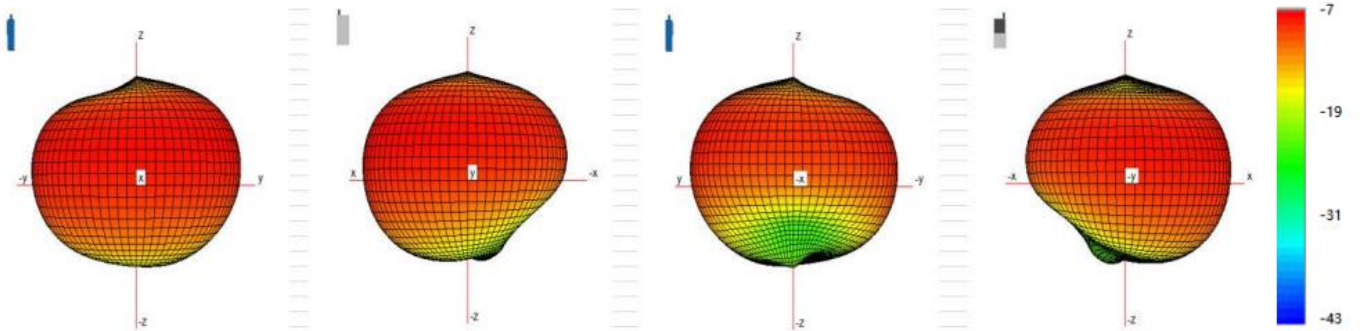
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

Reference coordinate of antenna Radiation pattern is shown as below:

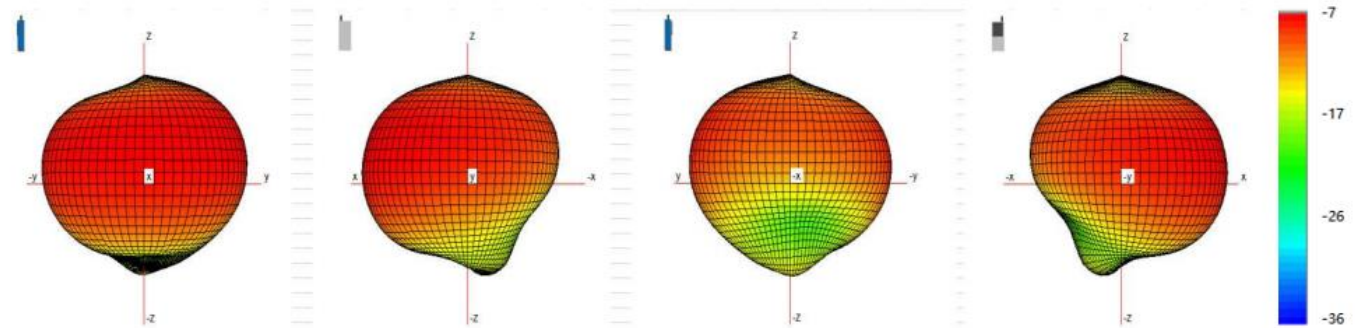


(Right view – Rear view – Left view – Front view)

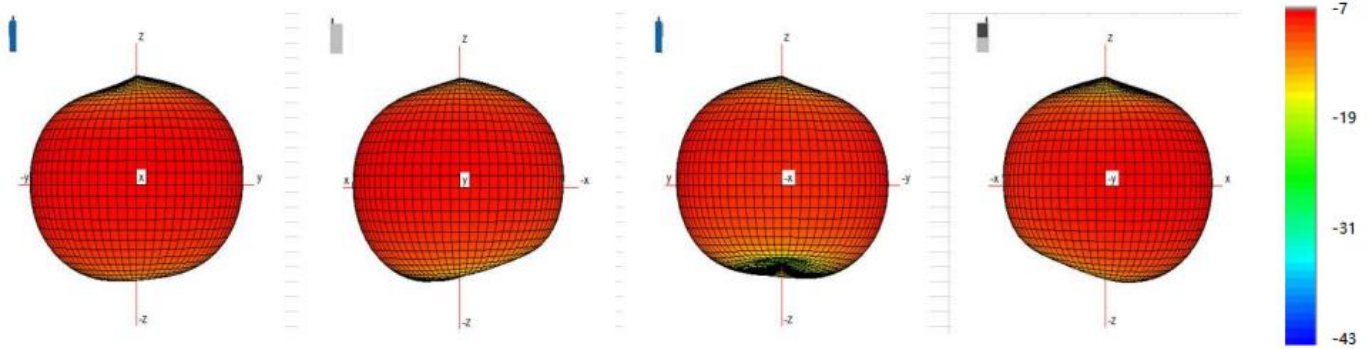
GSM850/WCDMA B5/LTE B5/ NR N5 (836MHz)



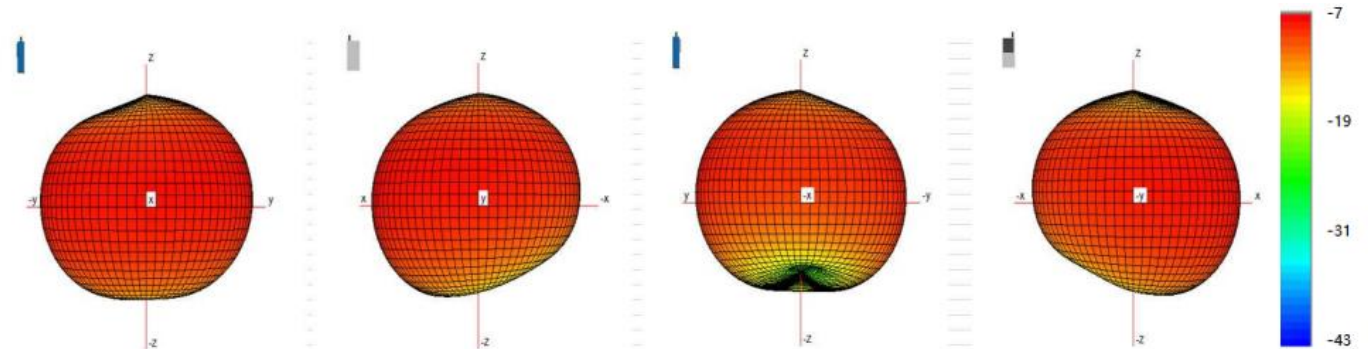
GSM900 (900MHz)



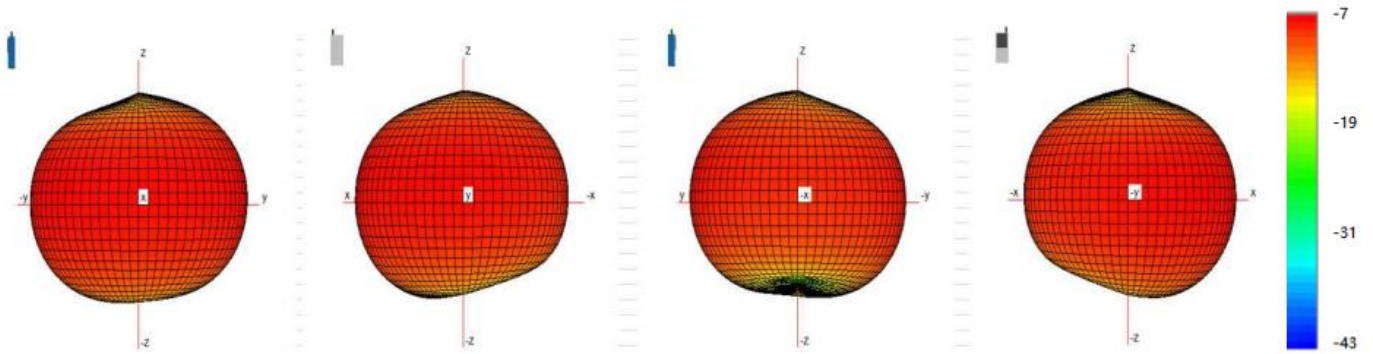
LTE B12 (710MHz)



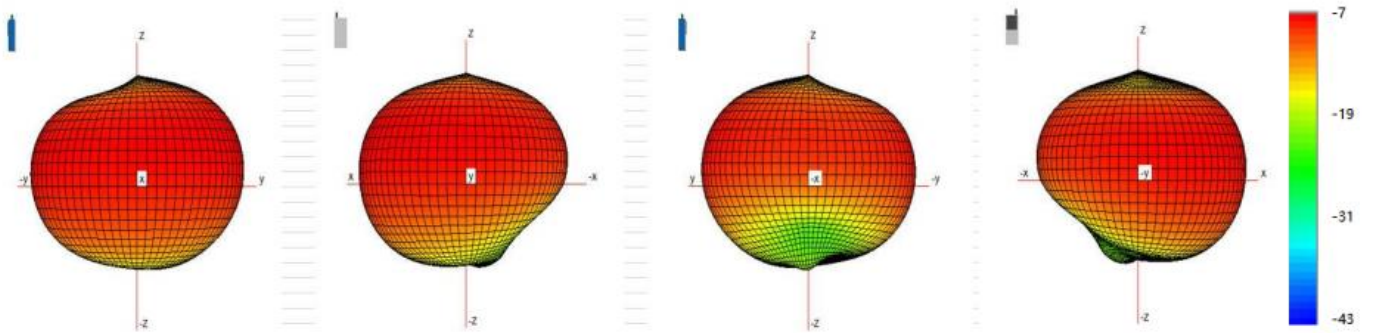
LTE B13 (780MHz)



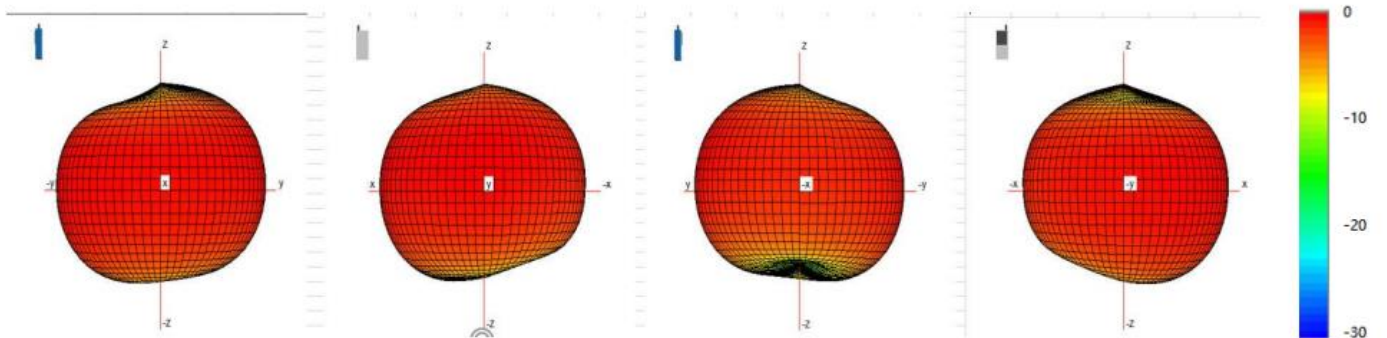
LTE B17 (710MHz)



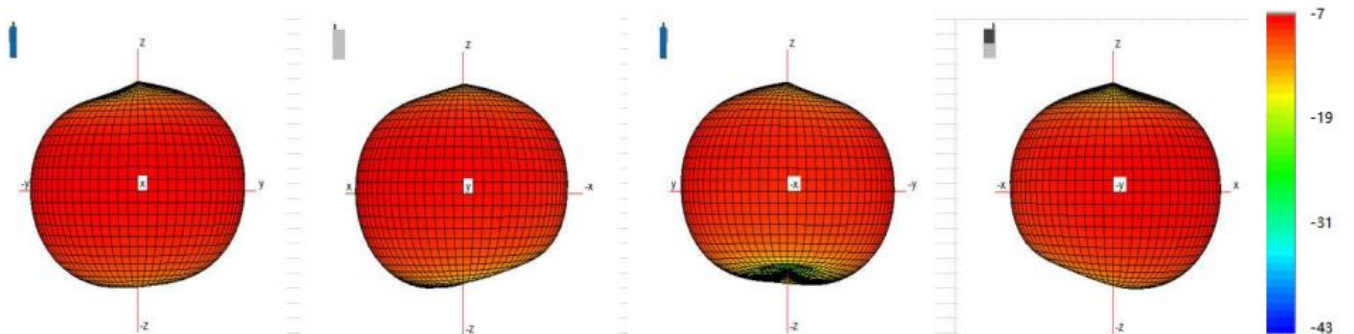
LTE B26 (830MHz)



LTE B41/ NR N41 (2600MHz)



LTE B71/NR N71 (680MHz)



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

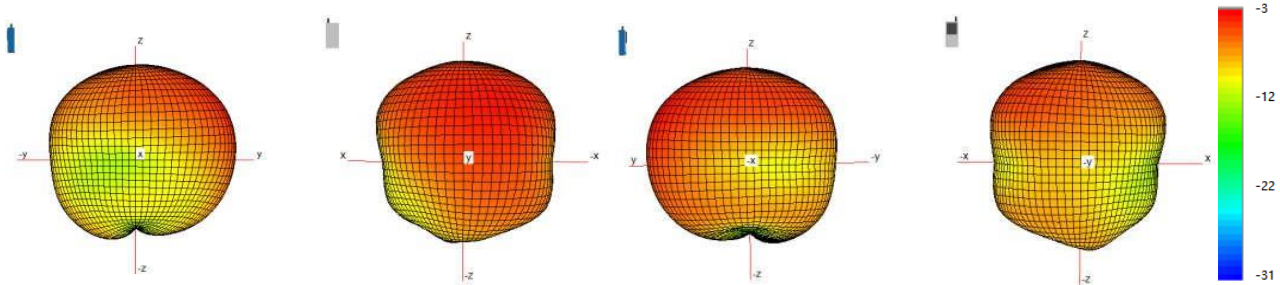
LTE BAND	Peak Gain(dBi)
LTE B2	-2dBi
LTE B4	-2dBi
LTE B25	-2dBi
LTE B66	-2dB

NR FR1 BAND	Peak Gain(dBi)
N2	-2dBi
N25	-2dBi
N66	-2dBi

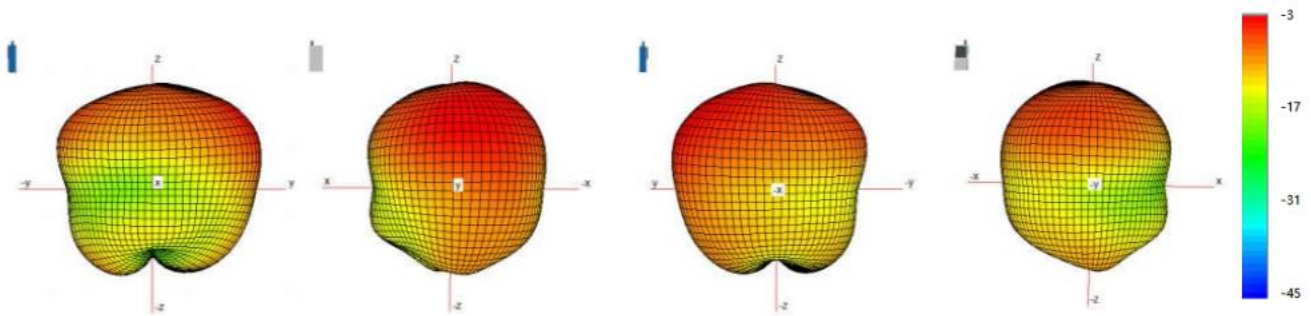
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

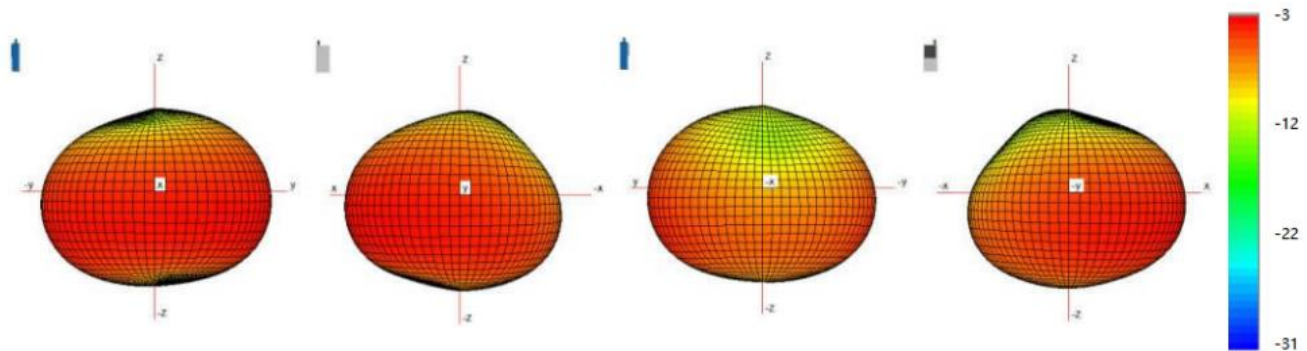
GSM1900/WCDMA B2/LTE B2/NR N2 (1880MHz)



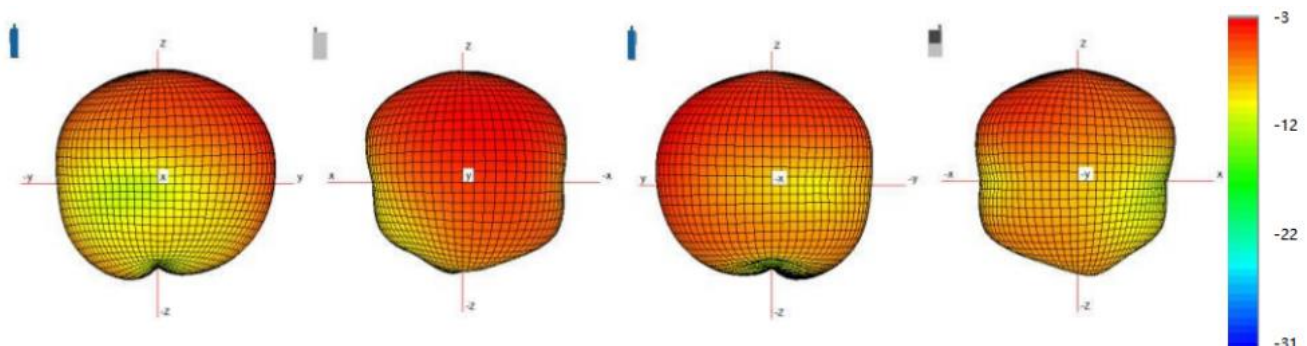
WCDMA B4/LTE B4 B66/NR N66 (1740MHz)



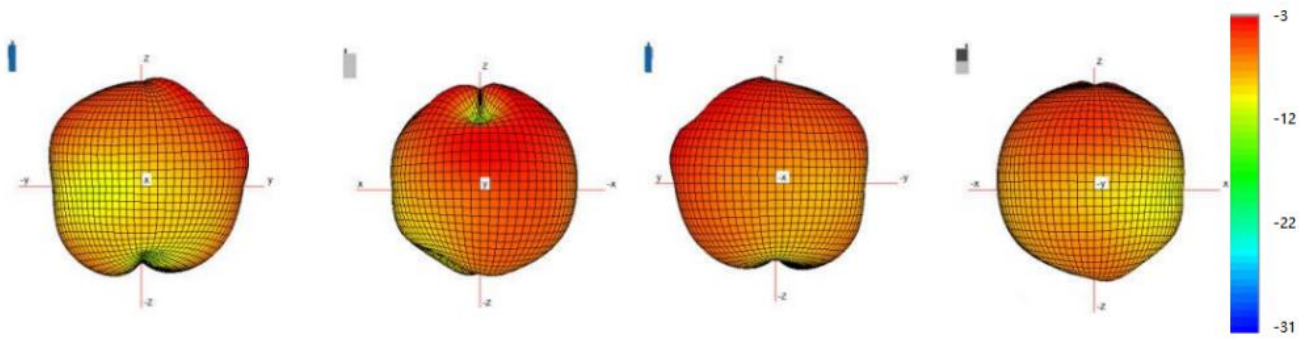
GSM1800/LTE B3 (1750MHz)



LTE B25/NR N25 (1900MHz)



WCDMA B1 (1950MHz)



ANT7

Antenna model name: Insert molding metal

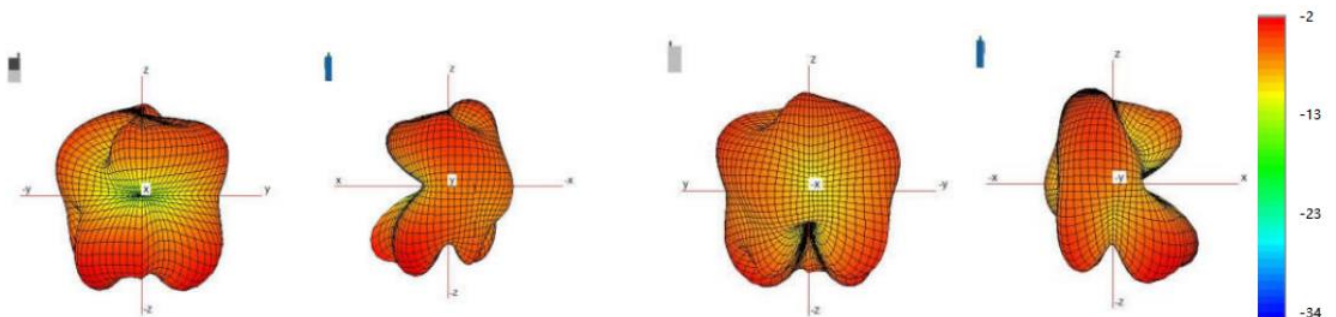
Antenna type: IFA

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

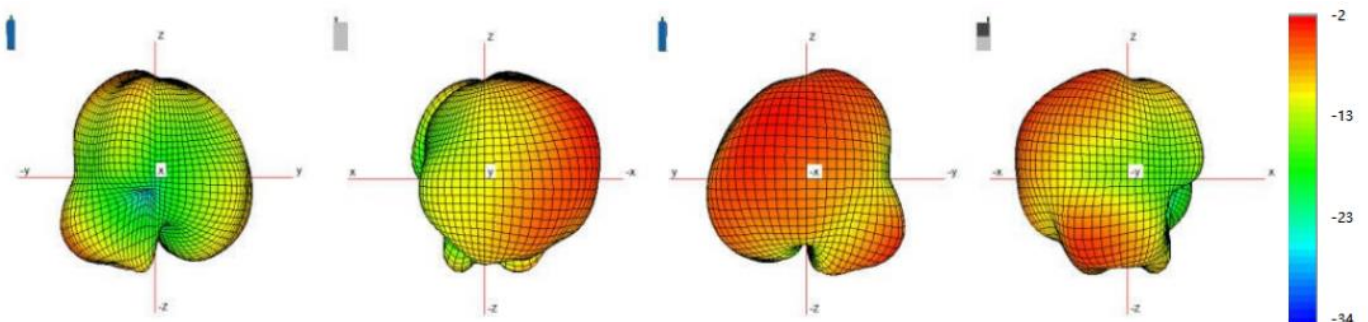
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

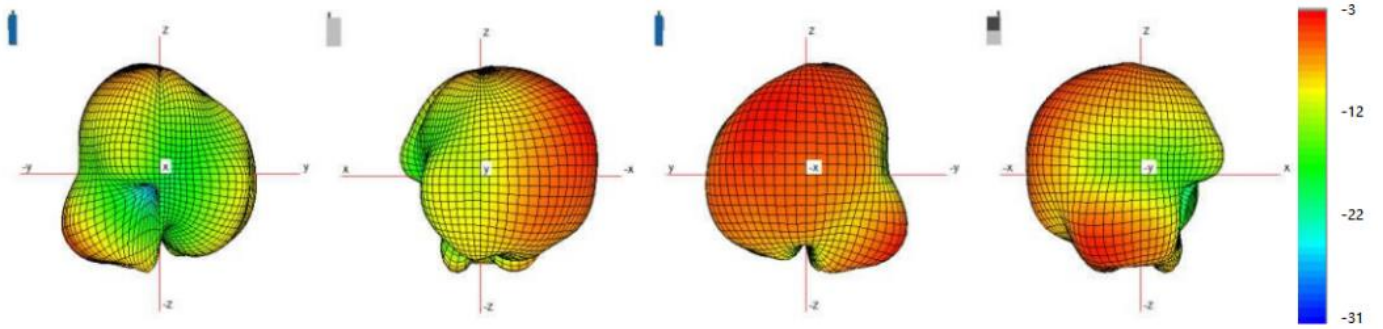
WIFI 2.4G (2450 MHz)



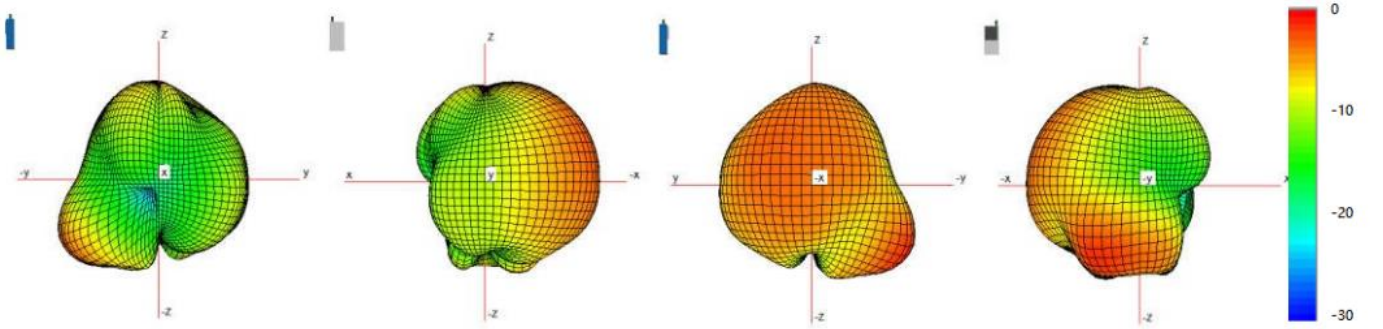
WIFI 5G (5200 MHz)



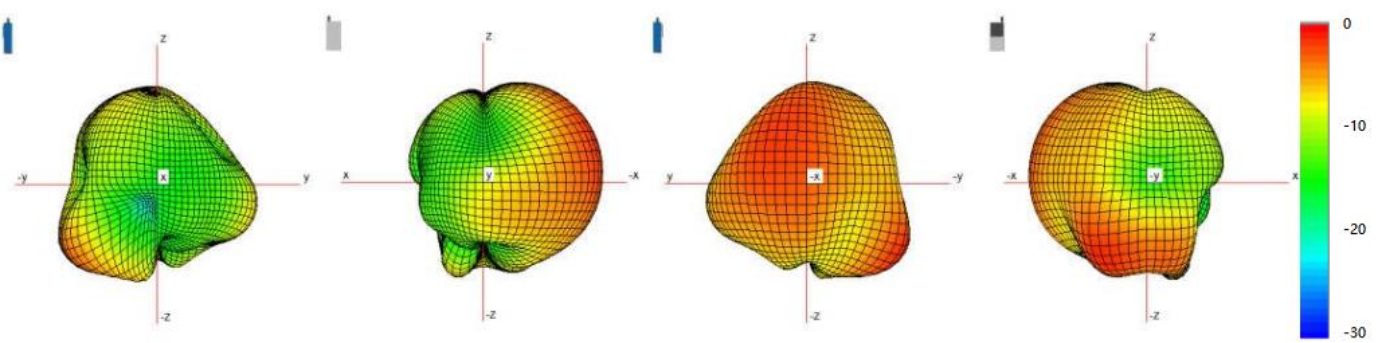
WIFI 5G (5300 MHz)



WIFI 5G (5500 MHz)



WIFI 5G (5800 MHz)



ANT5

Antenna model name: Insert molding metal

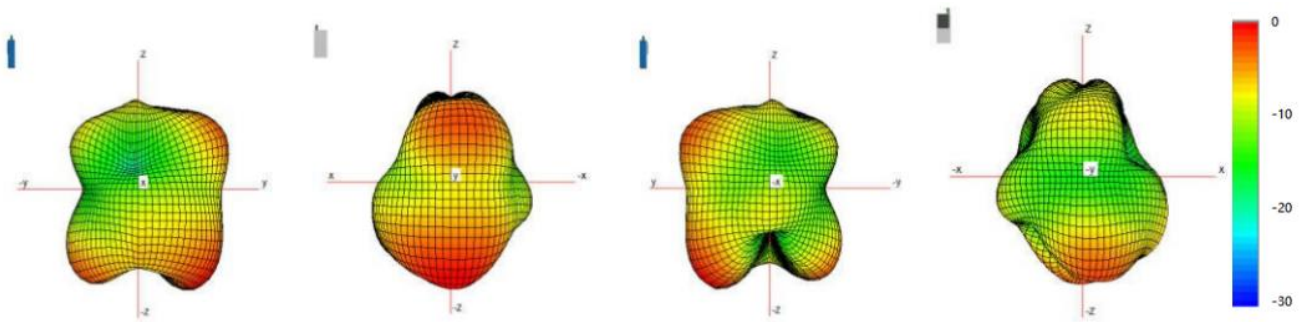
Antenna type: IFA

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 (4000MHz)



ANT6

Antenna model name: Insert molding metal

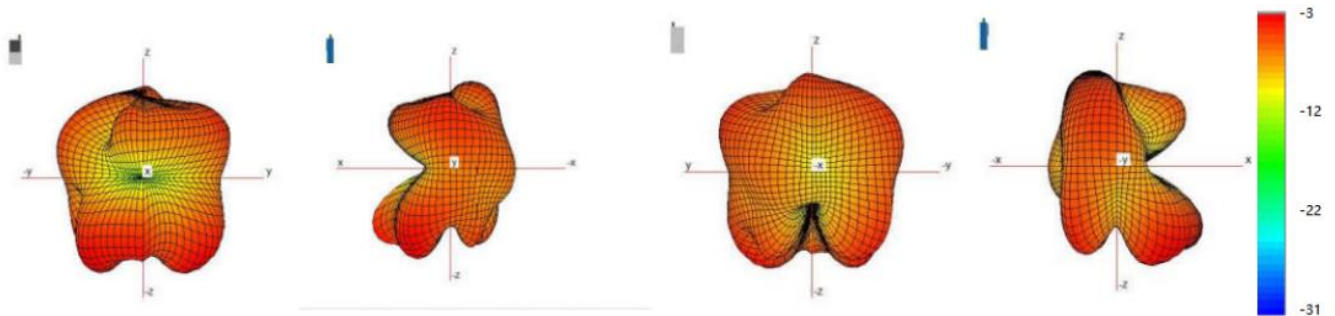
Antenna type: IFA

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

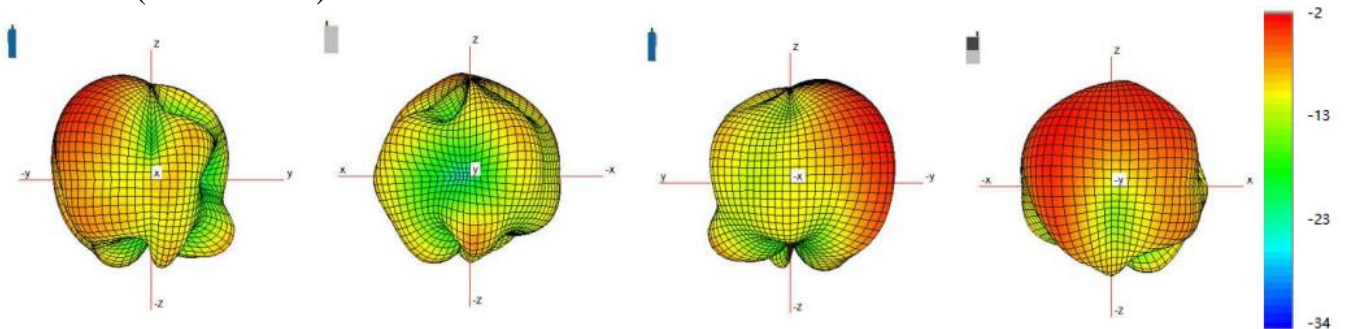
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

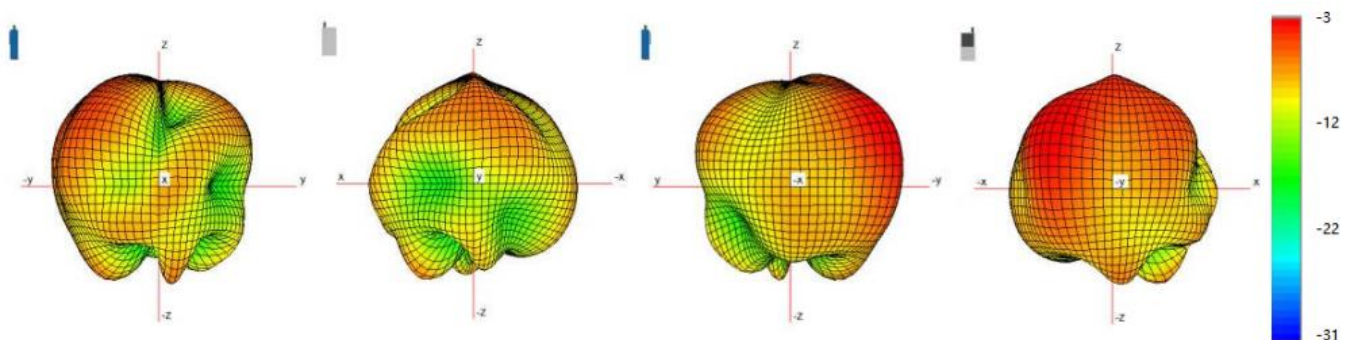
WIFI 2.4G (2450 MHz)



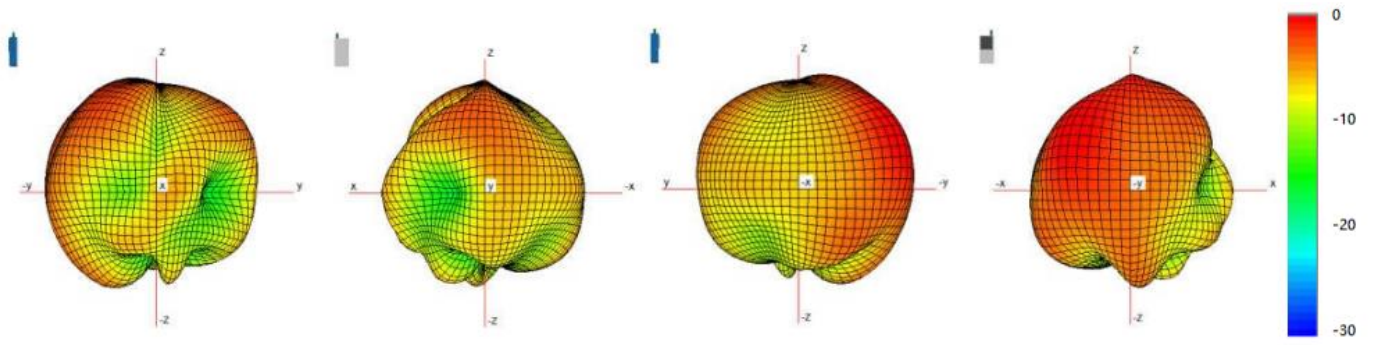
WIFI 5G (5200 MHz)



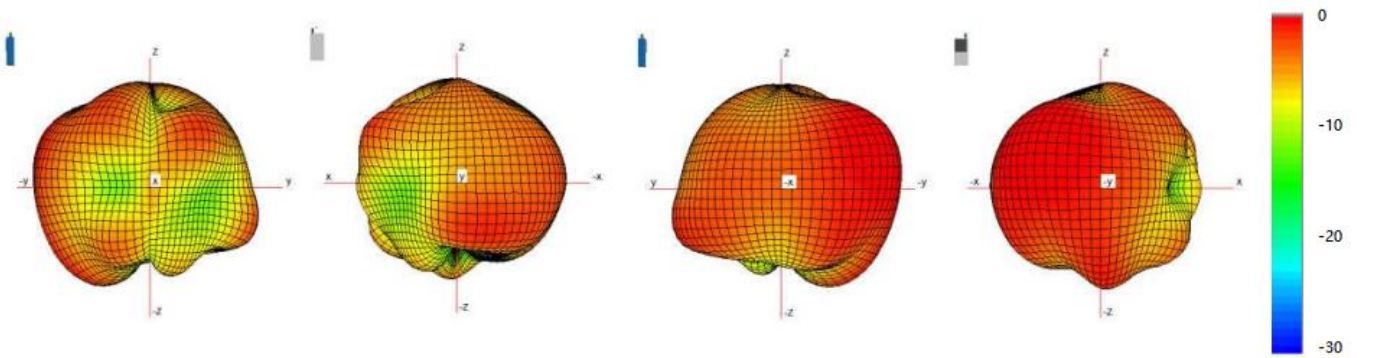
WIFI 5G (5300 MHz)



WIFI 5G (5500 MHz)



WIFI 5G (5800 MHz)

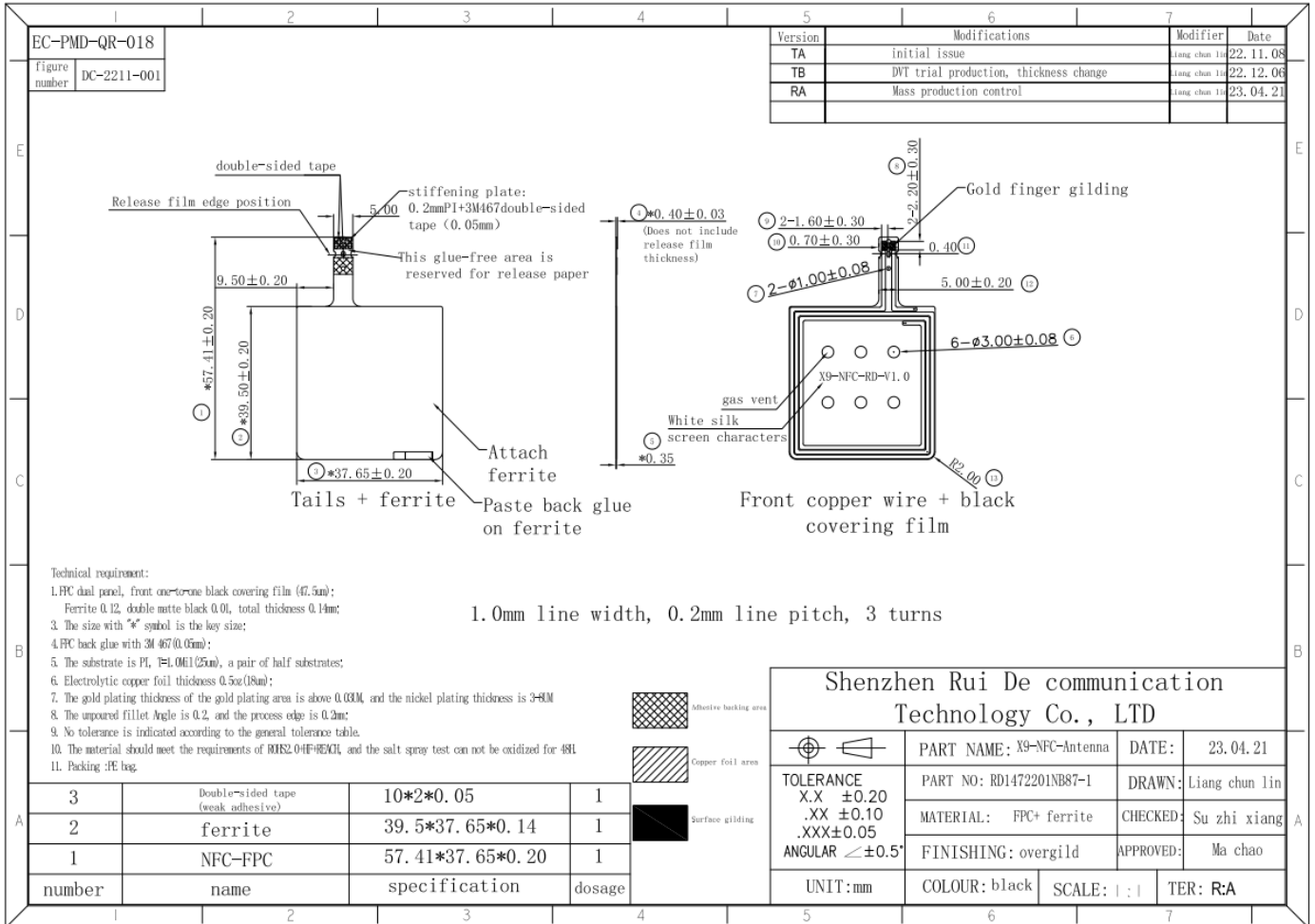


ANT7:NFC

Antenna model name: FPC

Frequency:13.56MHz

The NFC antenna dimensions are as follows:



The cellular antenna dimensions are as follows:

