
Antenna Reports

LMB_Main (ANT0) Antenna vendor: (WTT)

HB_Main(ANT5) Antenna vendor: (WTT)

Diversity (ANT1) Antenna vendor: (HT)

UHB Main (ANT2) Antenna vendor: (HT)

WLAN (ANT8) Antenna vendor: (HT)

Test lab: GTS 2800

Test instrument: E5071B

Calibration time: 2022/9/15

Antenna model name: FPC

Issue date:2022/11/1

Antenna Test data:**ANT0**

Antenna model name: Insert molding metal

Antenna type: LOOP

BAND		Peak Gain(dBi)
GSM 850	824-894	-6.1
GSM 900	880-960	-5.4
GSM 1800	1710-1880	-0.5
GSM 1900	1850-1990	0.3

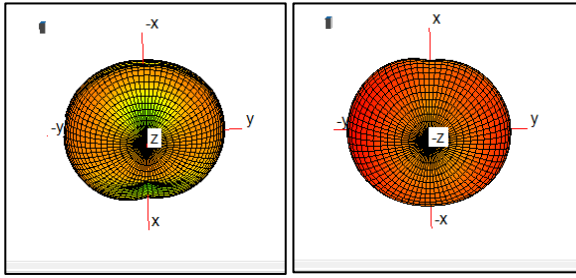
BAND		Peak Gain(dBi)
WCDMA B1	1920-2170	0.5
WCDMA B2	1850-1990	0.3
WCDMA B4	1710-2155	-0.5
WCDMA B5	824-894	-6.1
WCDMA B8	880-960	-5.4

LTE BAND		Peak Gain(dBi)
LTE B1	1920-2170	0.5
LTE B2	1850-1990	0.3
LTE B3	1710-1880	-0.5
LTE B4	1710-2155	-0.5
LTE B5	824-894	-6.1
LTE B8	880-960	-5.4
LTE B12	699-746	-5.6
LTE B13	746-787	-5.6
LTE B17	704-746	-6.1
LTE B25	791-862	0.5
LTE B26	814-894	-6
LTE B28	703-803	-6
LTE B66	1710-2180	-0.5

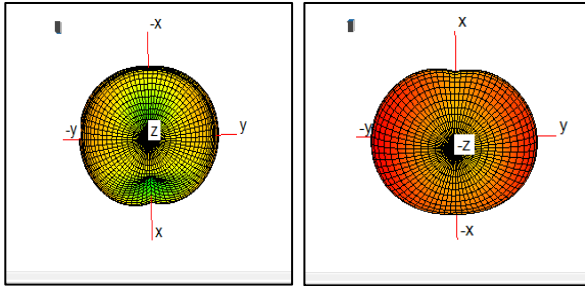
NR FR1 BAND		Peak Gain(dBi)
N1	1920-2170	0.5
N2	1850-1990	0.3
N3	1710-1880	-0.5
N28	703-803	-6

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

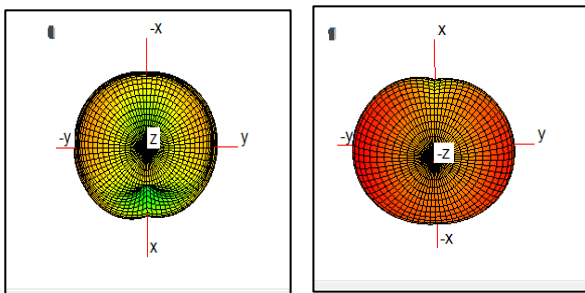
(Rear view– Front view) WCDMA B1/LTE B1/NR N1



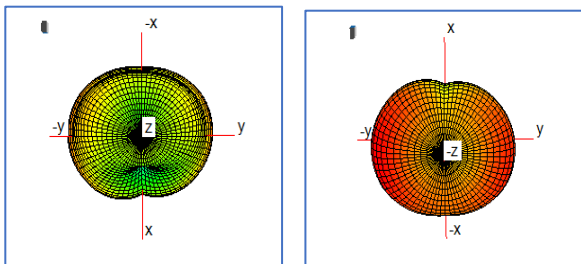
(Rear view– Front view) GSM 1900/WCDMA B2/LTE B2



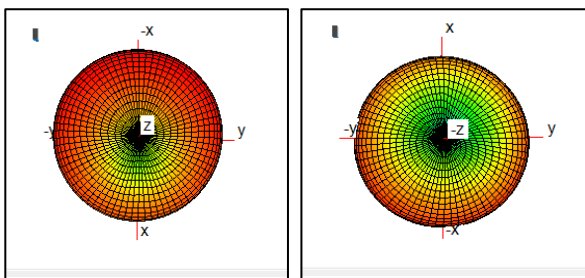
(Rear view– Front view) GSM 1800/ LTE B3/NR N3



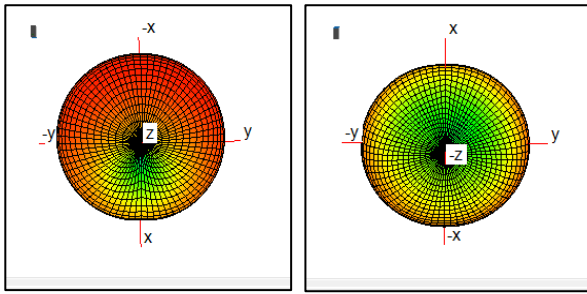
(Rear view– Front view) WCDMA B4/LTE B4



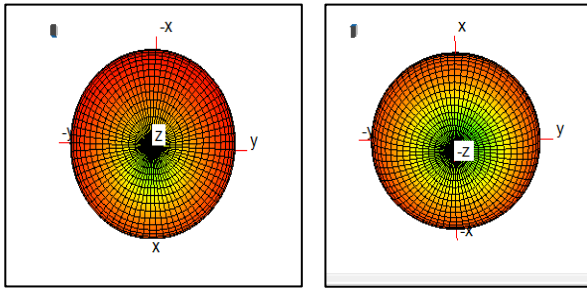
(Rear view– Front view) GSM 1800/ WCDMA B5/ LTE B5/ LTE B26



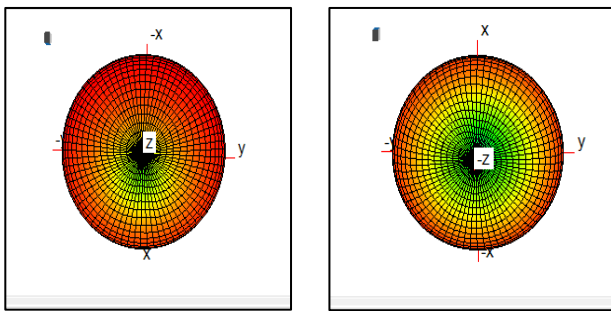
(Rear view– Front view) GSM 900/ WCDMA B8/LTE B8



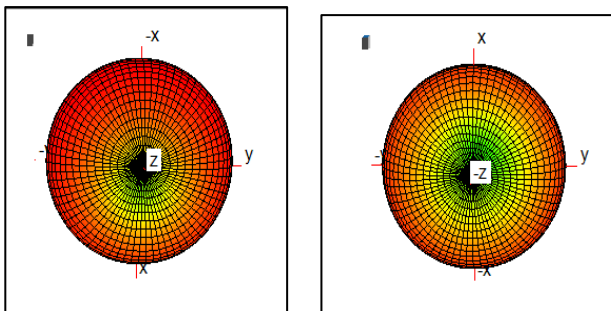
(Rear view– Front view) LTE B12/LTE B17



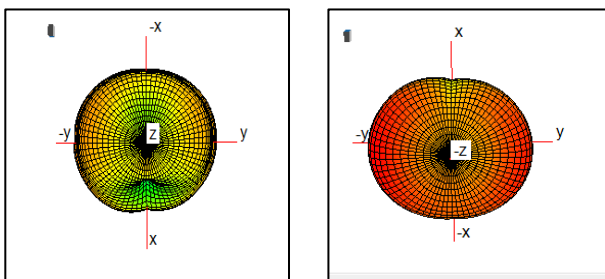
(Rear view– Front view) LTE B13



(Rear view– Front view) LTE B28/NR N28



(Rear view– Front view) LTE B66/NR N66



ANT1

Antenna model name: Insert molding metal

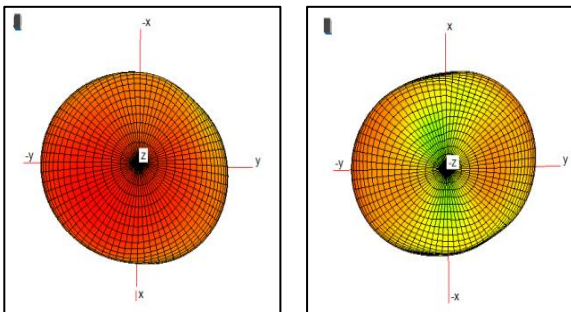
Antenna type: IFA

LTE BAND		Peak Gain(dBi)
LTE B1	1920-2170	-3.5
LTE B3	1710-1880	-5.1
LTE B5	824-894	-5.2
LTE B8	880-960	-4.8
LTE B28	703-803	-5.8
LTE B38	2570-2620	-2.6
LTE B41	2496-2690	-2.6

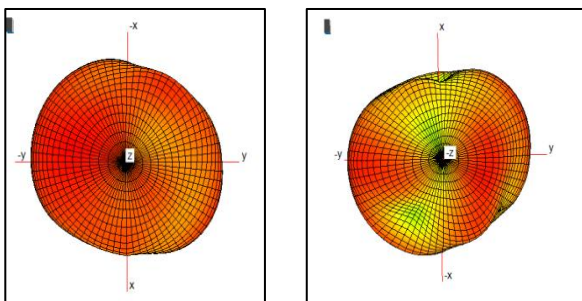
NR FR1 BAND		Peak Gain(dBi)
N1	1920-2170	-3.5
N3	1710-1880	-5.1
N7	2500-2690	-2.6
N28	703-803	-5.8
N66	1710-2180	-5.1

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

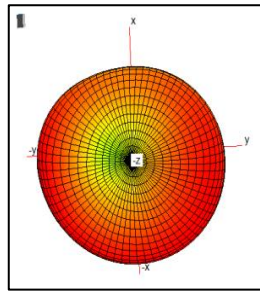
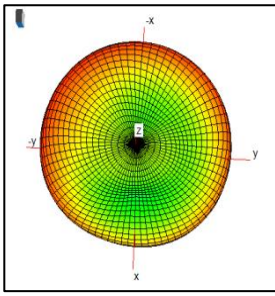
(Rear view– Front view) LTE B1/NR N1



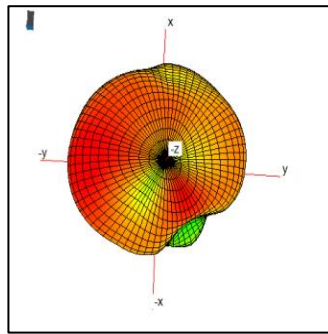
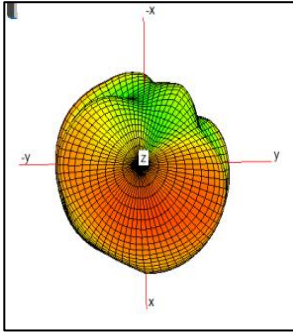
(Rear view– Front view) LTE B3/NR N3



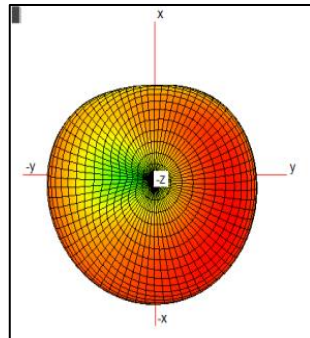
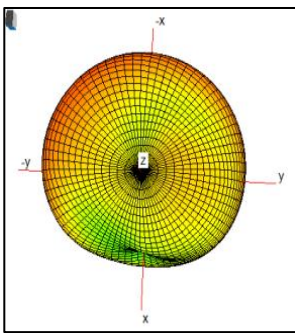
(Rear view– Front view) LTE B5



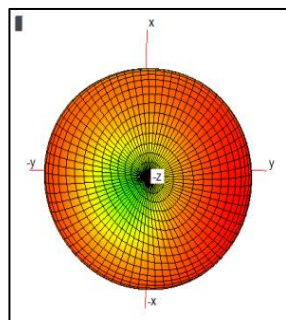
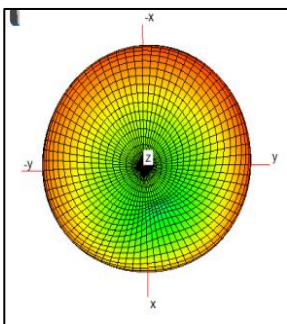
(Rear view– Front view) NR N7



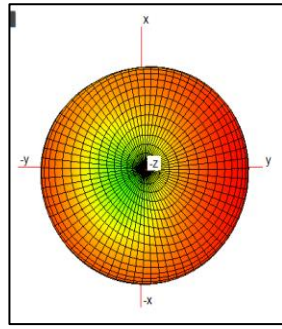
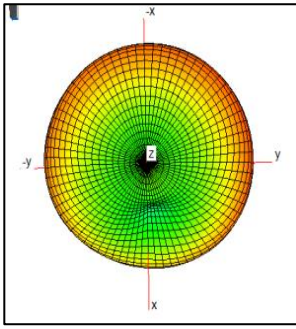
(Rear view– Front view) LTE B8



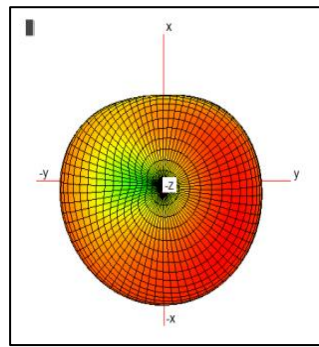
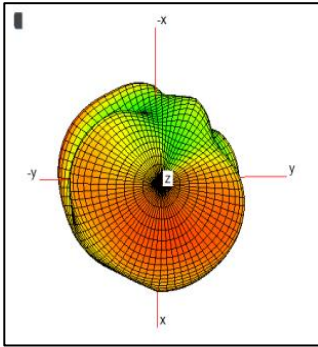
(Rear view– Front view) LTE B20



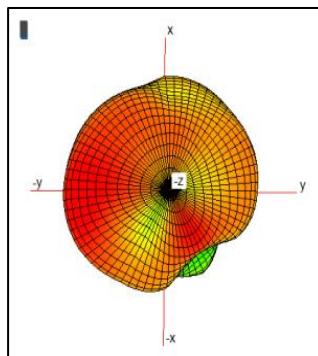
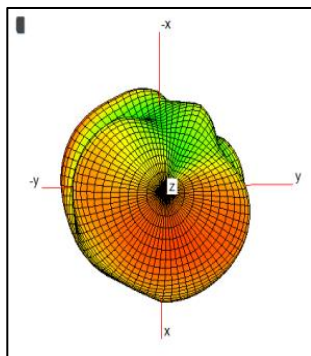
(Rear view– Front view) LTE B28/NR N28



(Rear view– Front view) LTE B38



(Rear view– Front view) LTE B41



ANT2

Antenna model name: Insert molding metal

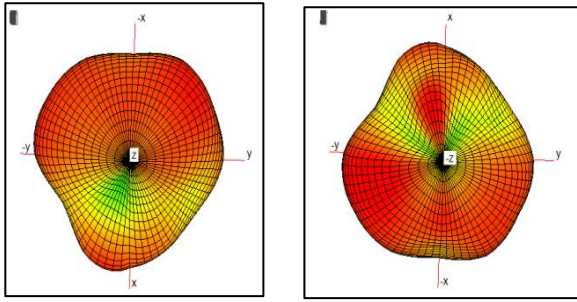
Antenna type: IFA

	LTE BAND	Peak Gain(dBi)
LTE B42	3400-3600	-4.2

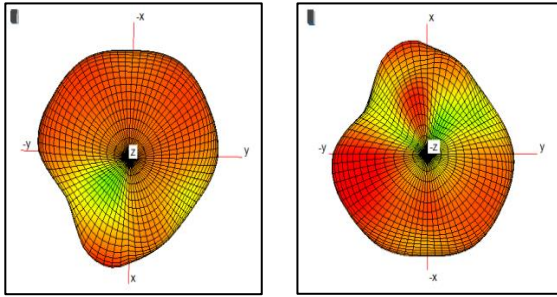
	NR FR1 BAND	Peak Gain(dBi)
N78	3300-3800	-4.1

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

(Rear view– Front view) LTE B42



(Rear view– Front view) NR N78



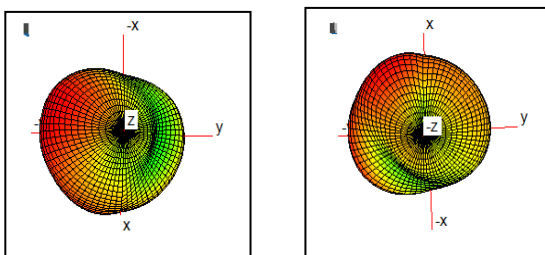
ANT3

Antenna model name: Insert molding metal

Antenna type: IFA

	NR FR1 BAND	Peak Gain(dBi)
N78	3300-3800	-4.5

(Rear view– Front view) NR N78



ANT5

Antenna model name: Insert molding metal

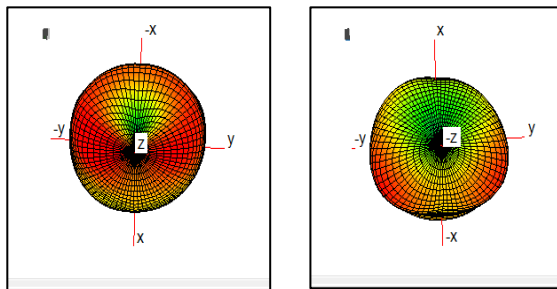
Antenna type: IFA

LTE BAND		Peak Gain(dBi)
LTE B7	2500-2690	1
LTE B38	2500-2690	1
LTE B40	2500-2690	-1.2

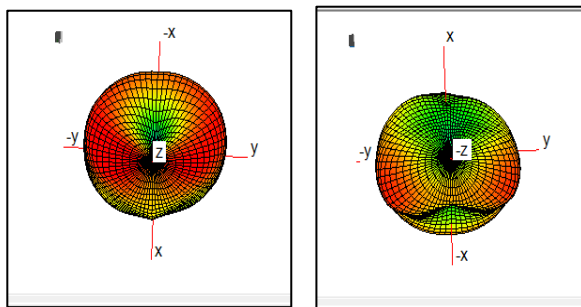
NR FR1 BAND		Peak Gain(dBi)
N7	2500-2690	1
N40	2500-2690	-1.2
N78	3300-3800	-2.3

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

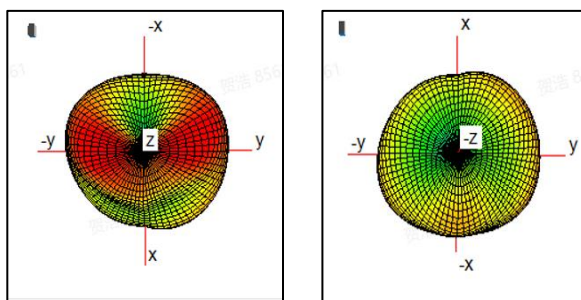
(Rear view– Front view) LTE B7/ LTE B38/ LTE B41/NR N7



(Rear view– Front view) LTE B40



(Rear view– Front view) NR N78



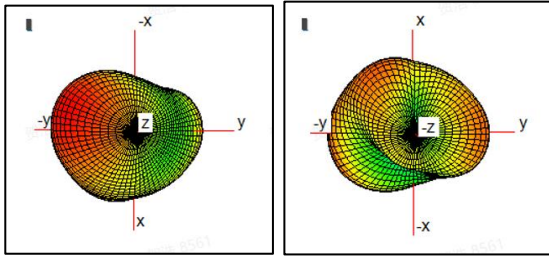
ANT7

Antenna model name: Insert molding metal

Antenna type: IFA

	NR FR1 BAND	Peak Gain(dBi)
N78	3300-3800	-4.3

(Rear view– Front view) NR N77/ NR N78



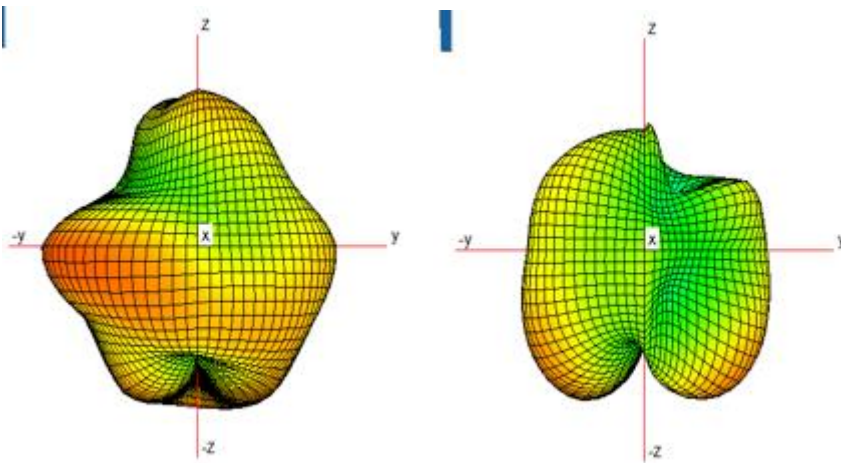
ANT8

Antenna model name: Insert molding metal

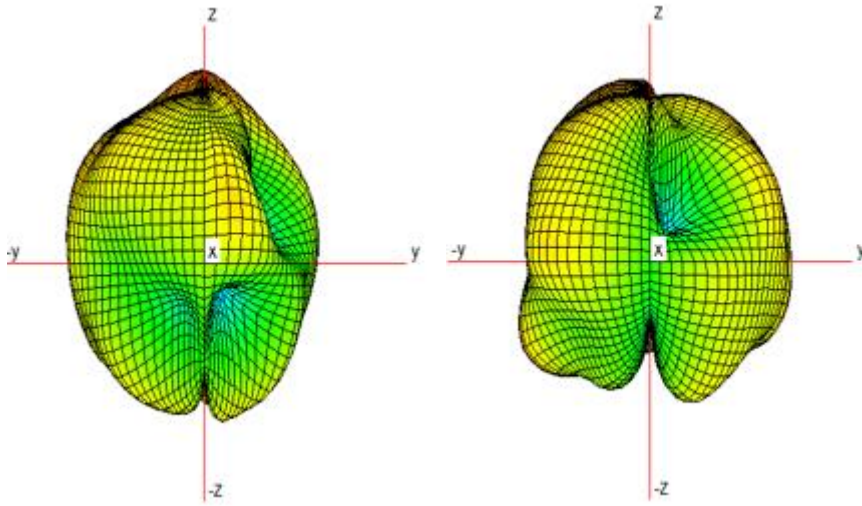
Antenna type: IFA

BT/WLAN Peak Gain (dBi)			
240 (Rear view– Front view) 0~2483.5MHz	-4.5	5150~5250MHz	-5.4
5250~5350MHz	-5.6	5470~5730MHz	-5.4
5725~5850MHz	-6.5		

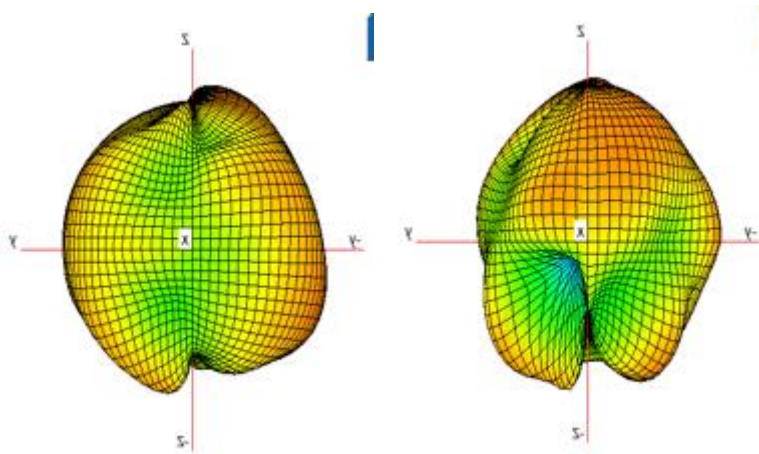
WIFI 2.4G (2450 MHz)



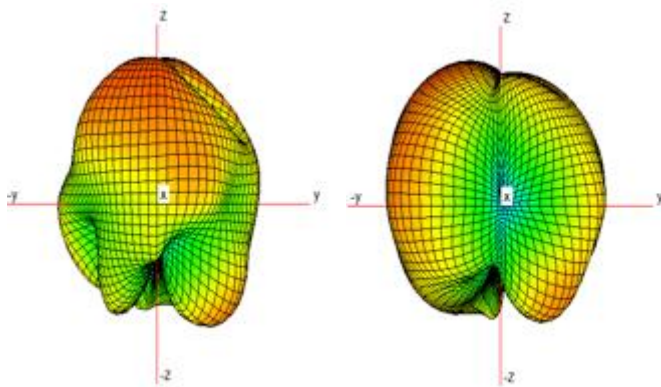
WIFI 5G (5200 MHz)



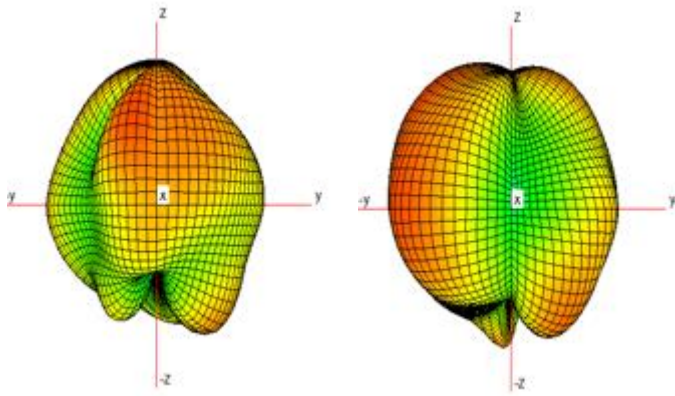
WiFi 5G (5300 MHz)



WiFi 5G (5500 MHz)



WiFi 5G (5800 MHz)



NFC Antenna: Differential port to excite FPC coil + Ferrite sheet with dimension
27.6mm * 32.3mm * 0.22mm