
Antenna Reports

Main Antenna vendor: Speed Communication Tech Co.,Ltd.

Diversity antenna vendor: Innowave Tech Co., Ltd.

Test lab: GTS Rayzonel 1800

Test instrument: Keysight E5071C

Calibration time: 2022/7/22

Antenna model name: FPC

Issue date: 2022/10/27

Peak Gain**ANT0**

Antenna model name: FPC

Antenna type: Fixed Internal Antenna

BAND		Peak Gain(dBi)
GSM 850	824-894	-4.3
GSM 900	880-960	-4.3
GSM 1800	1710-1880	-0.3
GSM 1900	1850-1990	-0.3

BAND		Peak Gain(dBi)
WCDMA B1	1920-2170	-0.3
WCDMA B2	1850-1990	-0.3
WCDMA B4	1710-2155	-0.3
WCDMA B5	824-894	-4.3
WCDMA B8	880-960	-4.3

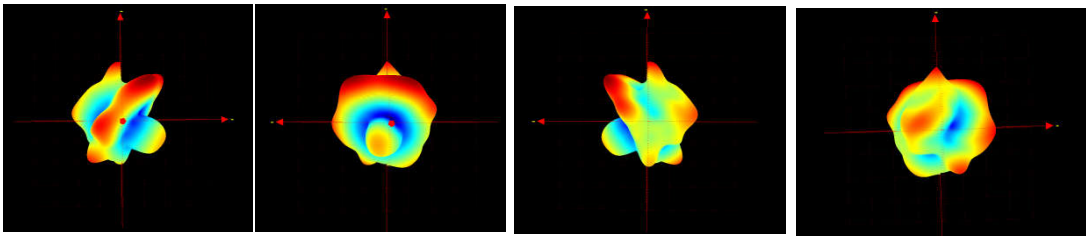
LTE BAND		Peak Gain(dBi)
LTE B1	1920-2170	-0.3
LTE B2	1850-1990	-0.3
LTE B3	1710-1880	-0.3
LTE B4	1710-2155	-0.4
LTE B5	824-894	-4.3
LTE B8	880-960	-4.3
LTE B12	699-746	-5.7
LTE B13	746-787	-5.8
LTE B14	758-798	-5.8
LTE B17	704-746	-5.8
LTE B20	791-862	-5.5
LTE B25	1850-1995	-0.3
LTE B26	814-894	-3.6
LTE B39	1880-1920	0.1
LTE B66	1710-2000	-0.4
LTE B71	617-698	-5.8

NR FR1 BAND		Peak Gain(dBi)
N2	1850-1990	-0.3
N5	824-894	-4.3
N12	699-746	-5.7
N14	758-798	-5.8
N25	1850-1995	-0.3
N26	814-894	-3.6
N29	717-728	-3.3
N66	1710-2200	-0.4
N70	1695-2020	-0.5
N71	617-698	-5.8

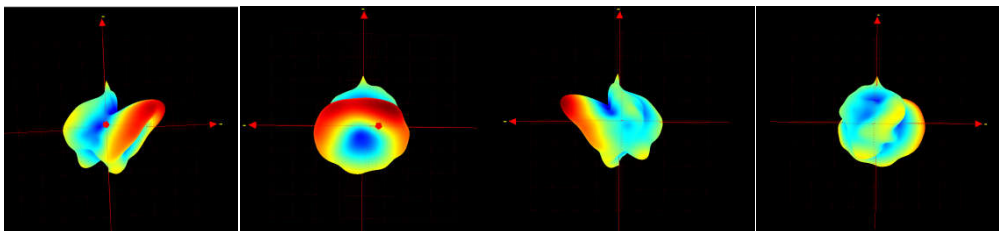
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

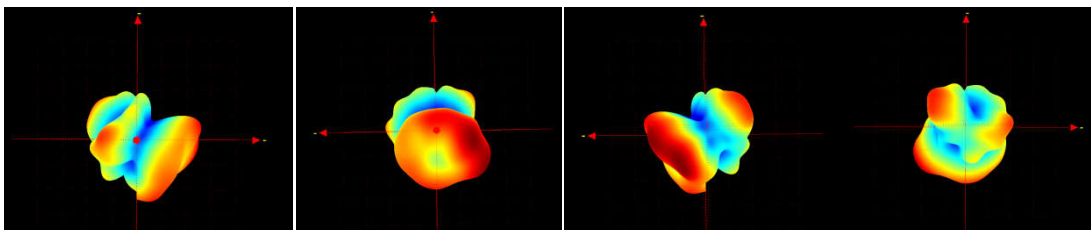
WCDMA B1/LTE B1



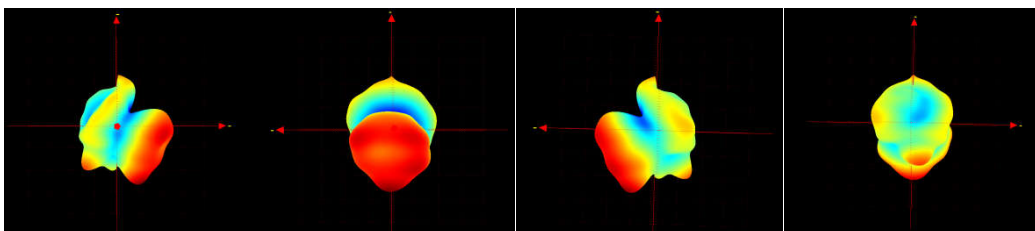
GSM1900/WCDMA B2/LTE B2/LTE B39/NR N2



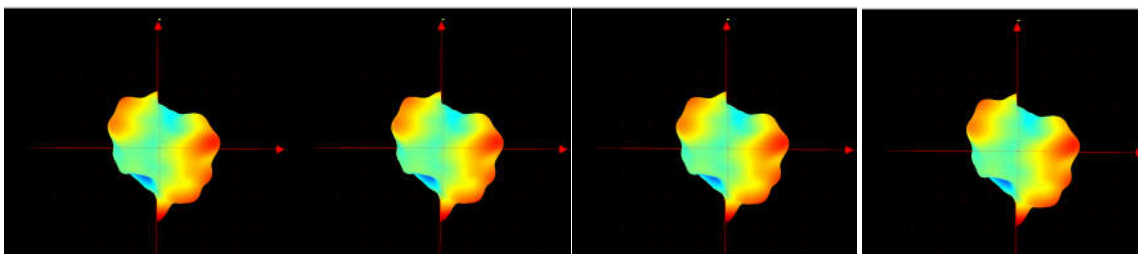
GSM1800/LTE B3

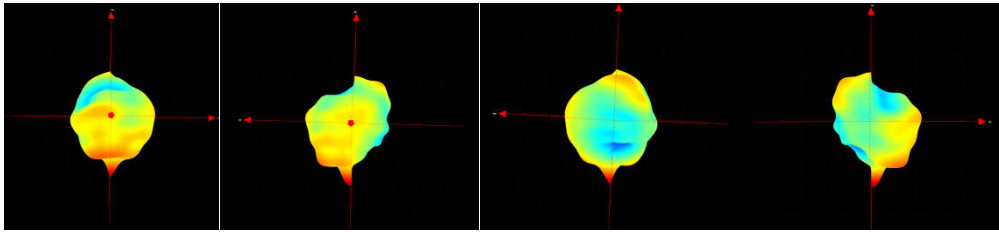


WCDMA B4/LTE B4/LTE B66/NR N66

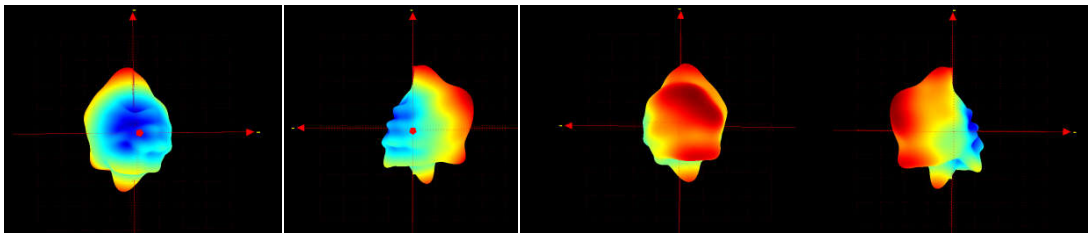


GSM850/WCDMA B5/LTE B5/ NR N5

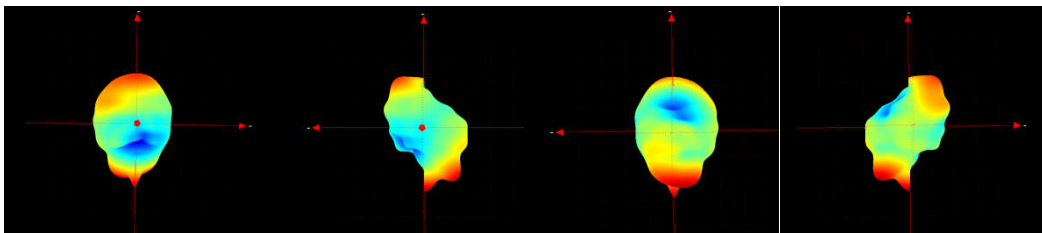




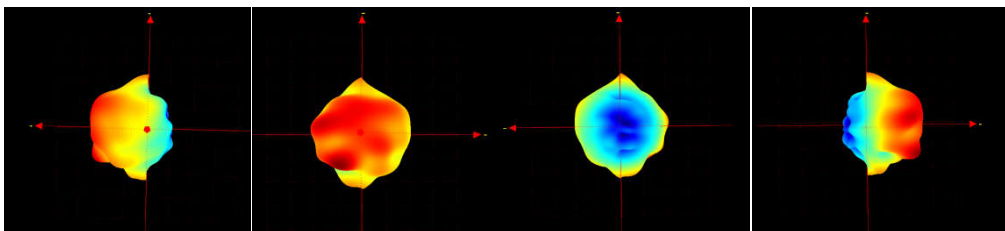
LTE B12/ NR N12



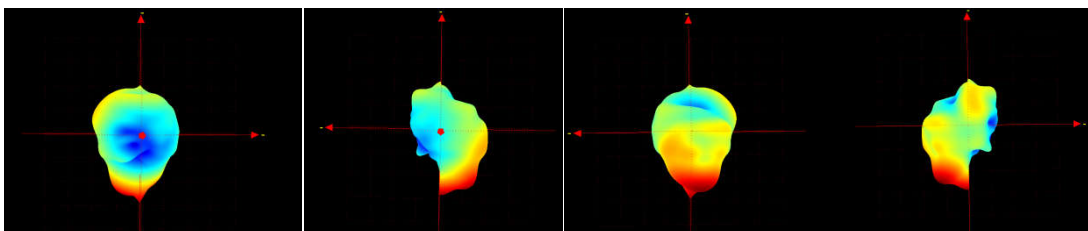
LTE B13



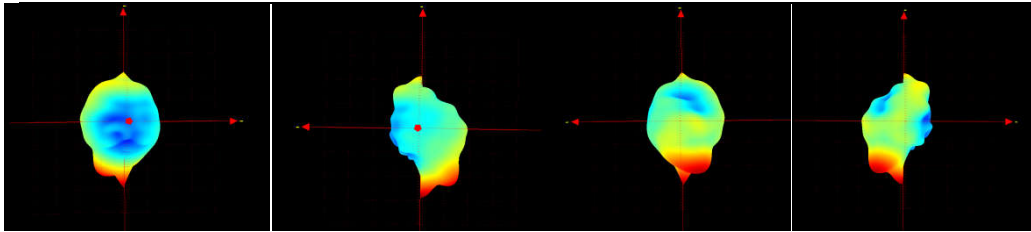
LTE B14/NR N14



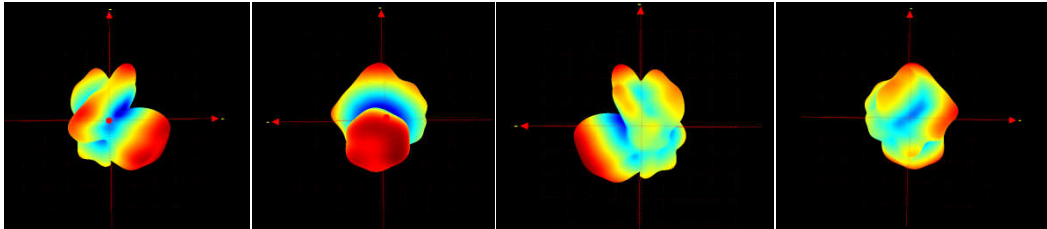
LTE B17



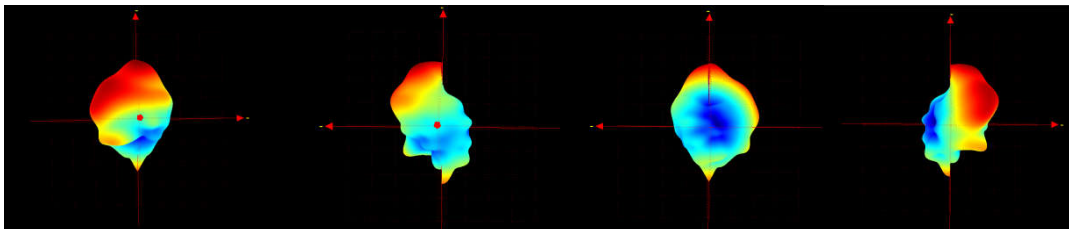
LTE B20



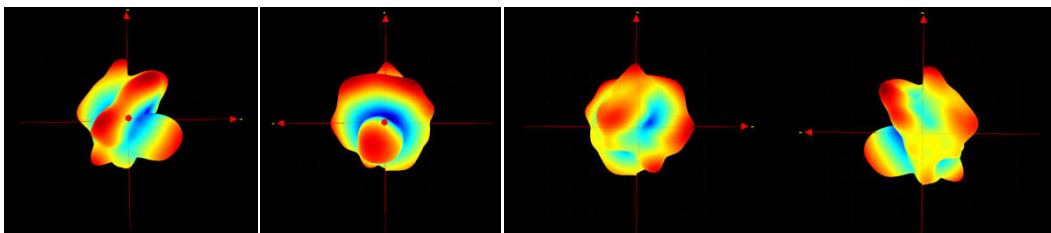
LTE B25/ NR N25



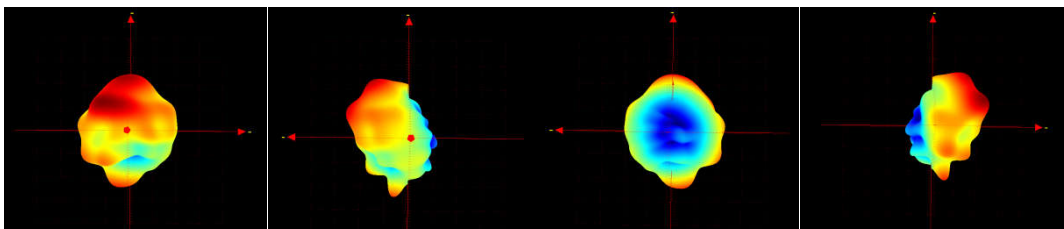
LTE B26/ NR N26



NR N70



LTE B71/ NR N71



ANT1

Antenna model name: FPC

Antenna type: Fixed Internal Antenna

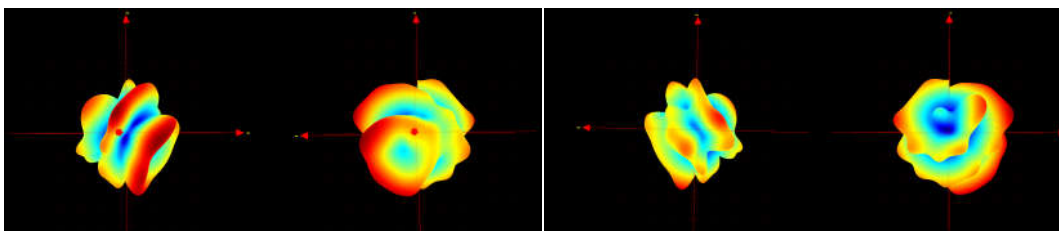
LTE BAND		Peak Gain(dBi)
LTE B7	2500-2700	0.1
LTE B30	2305-2360	0.2
LTE B38	2570-2620	-0.1
LTE B40	2300-2400	0.3
LTE B41	2496-2690	0.1

NR FR1 BAND		Peak Gain(dBi)
N7	2500-2690	0.1
N30	2305-2360	0.2
N41	2496-2690	0.1
N77	3300-4200	-2.2
N78	3300-3800	-2.2

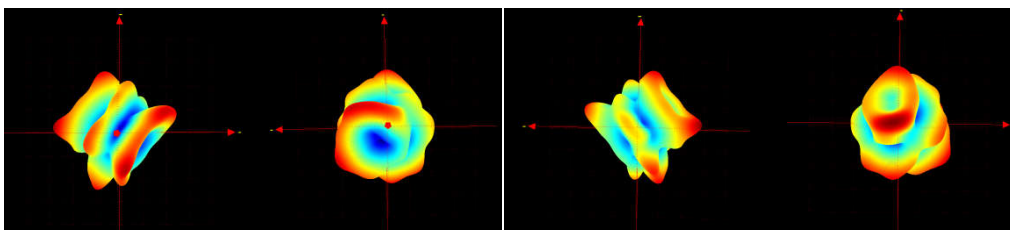
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

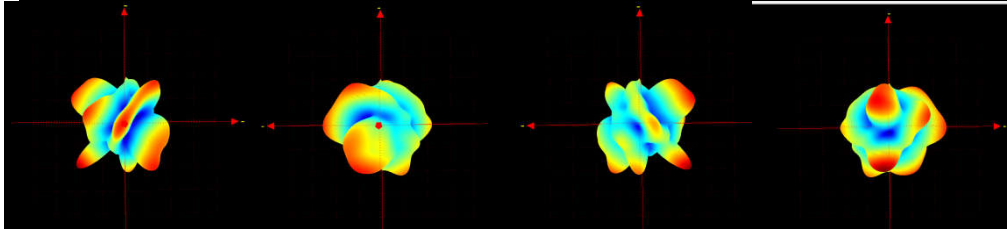
LTE B7/ NR N7



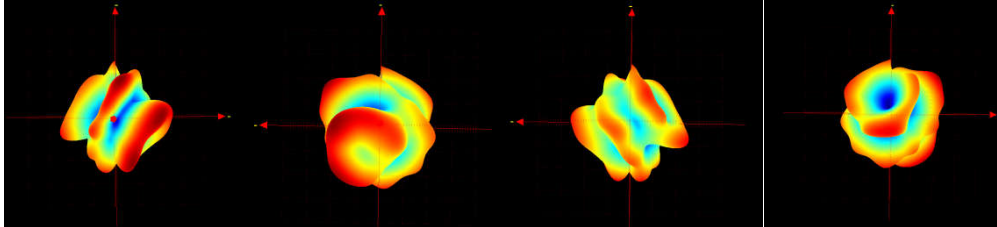
LTE B30/NR N30



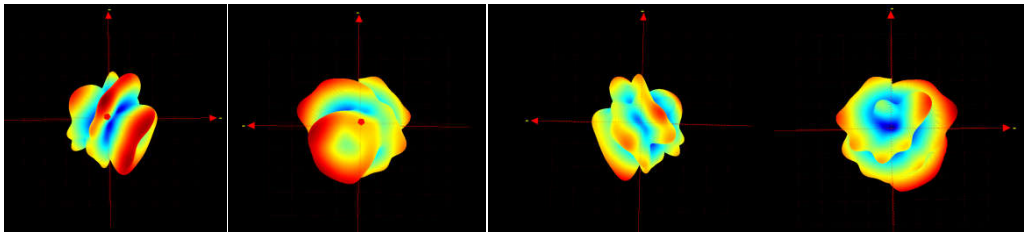
LTE B38



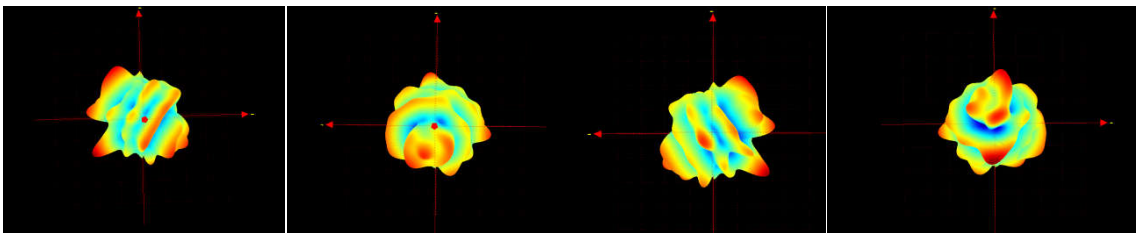
LTE B40



LTE B41/NR N41



NR N77/NR N78



ANT3

Antenna model name: FPC

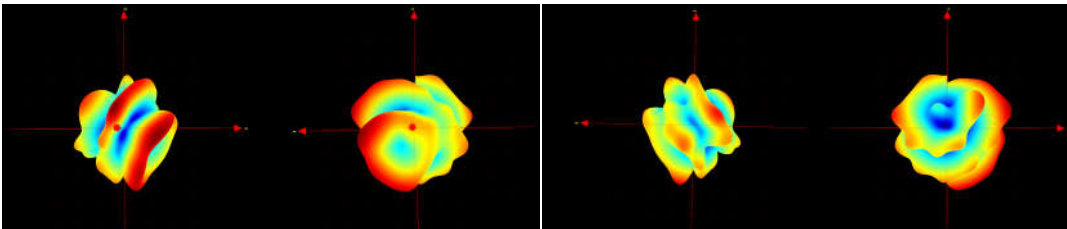
Antenna type: Fixed Internal Antenna

NR FR1 BAND	Peak Gain(dBi)
N41	-1.8
N77	-3.1
N78	-3.1

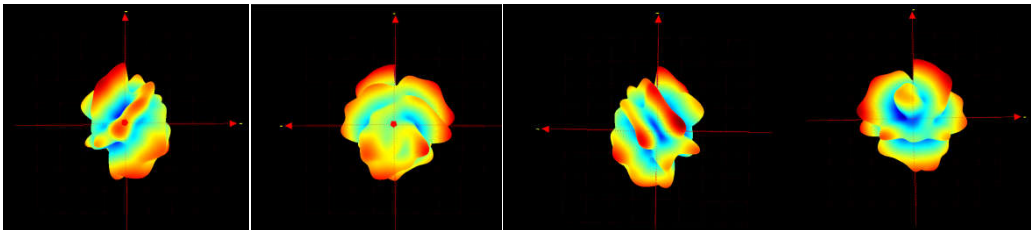
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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LTE B41/NR N41



NR N77



ANT4

Antenna model name: FPC

Antenna type: Fixed Internal Antenna

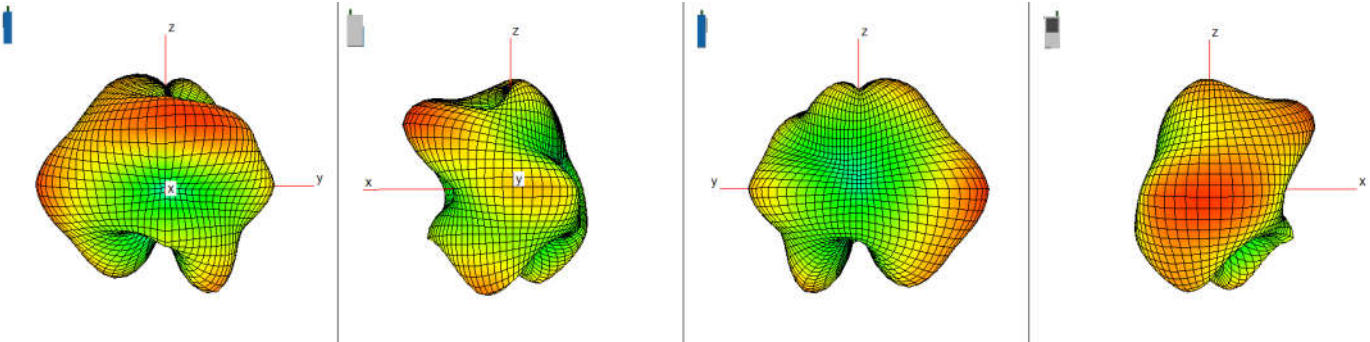
LTE BAND	Peak Gain(dBi)
LTE B2	-0.8
LTE B4	-0.6
LTE B5	-5.7
LTE B7	-0.2
LTE B12	-5.9
LTE B13	-6
LTE B14	-6
LTE B25	-0.7
LTE B26	-5.7
LTE B30	-0.2
LTE B66	-0.6
LTE B71	-6

NR FR1 BAND	Peak Gain(dBi)
N2	-0.8
N5	-5.7
N7	-0.2
N12	-5.9
N25	-0.7
N26	-5.7
N30	-0.2
N41	-1.2
N66	-0.6
N71	-6

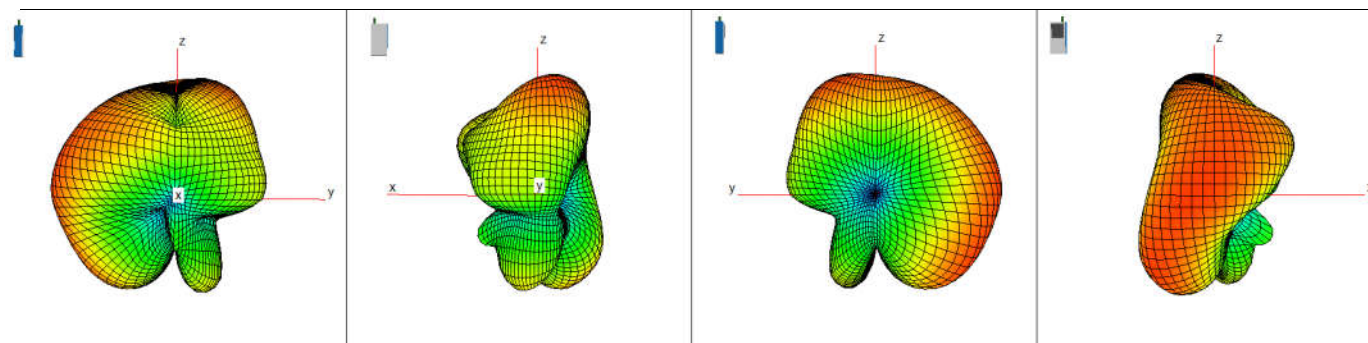
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

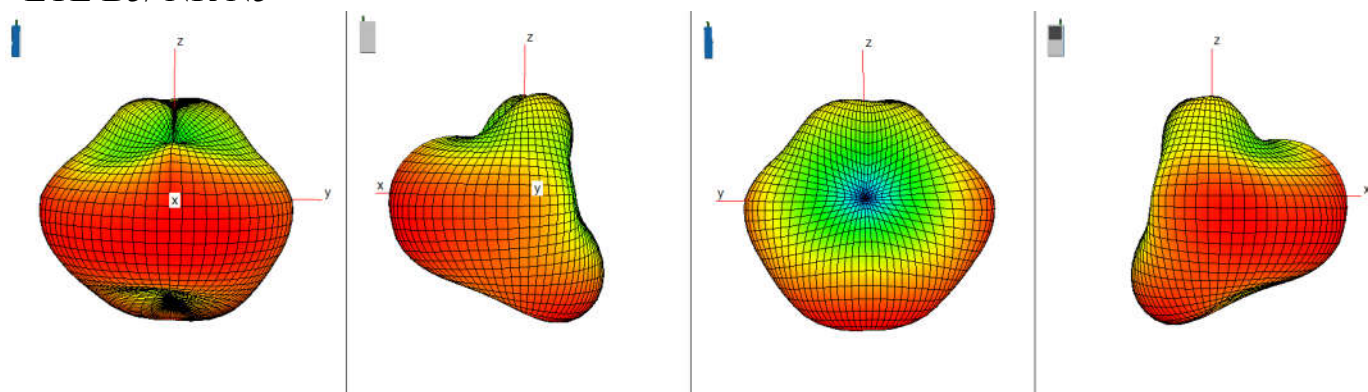
LTE B2/NR N2



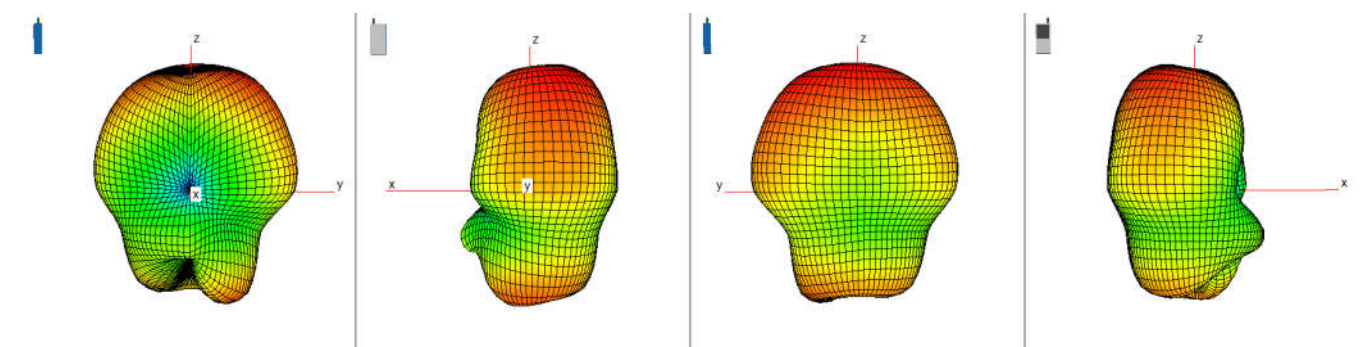
LTE B4/LTE B66/NR N66



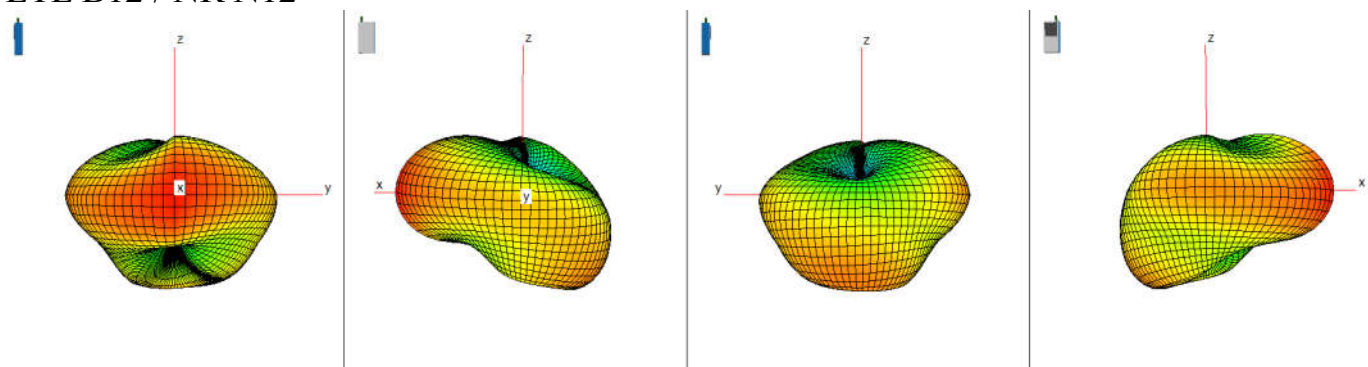
LTE B5/ NR N5



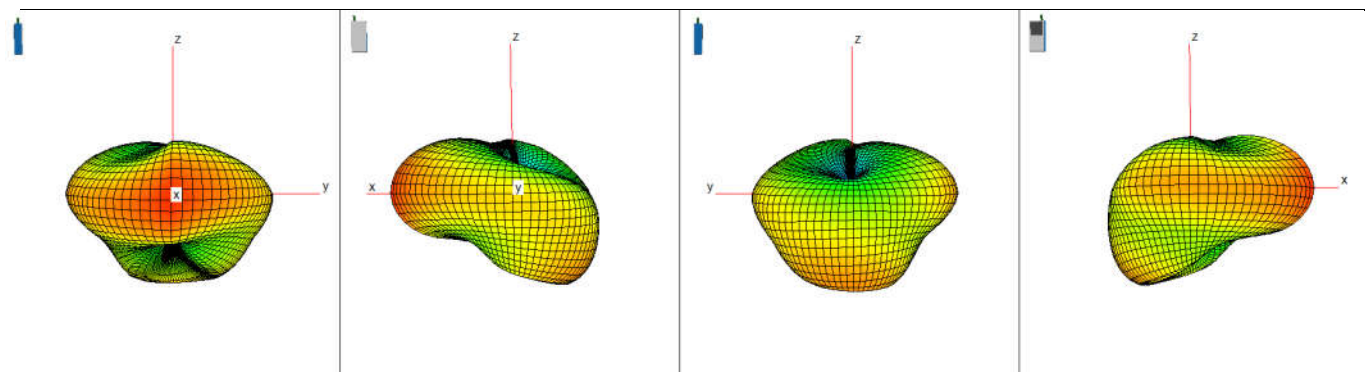
LTE B7 / NR N7 41



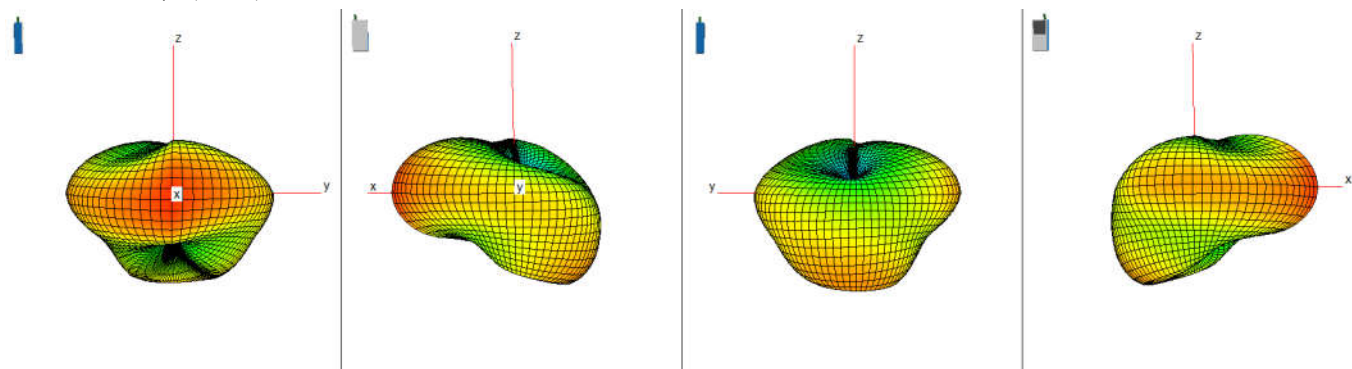
LTE B12 / NR N12



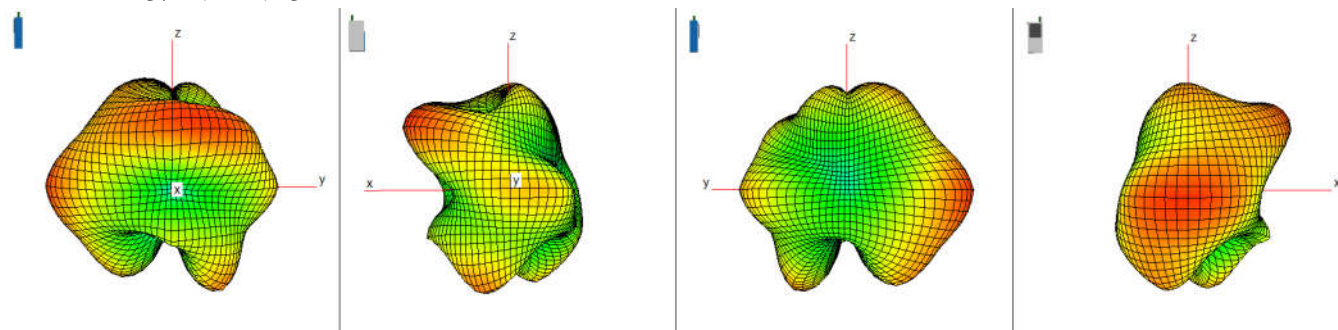
LTE B13



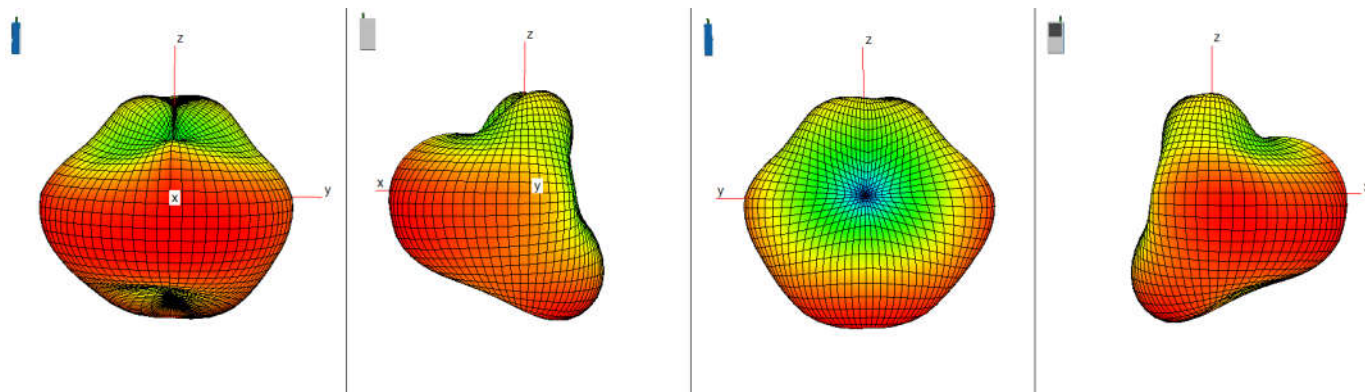
LTE B14/NR N14



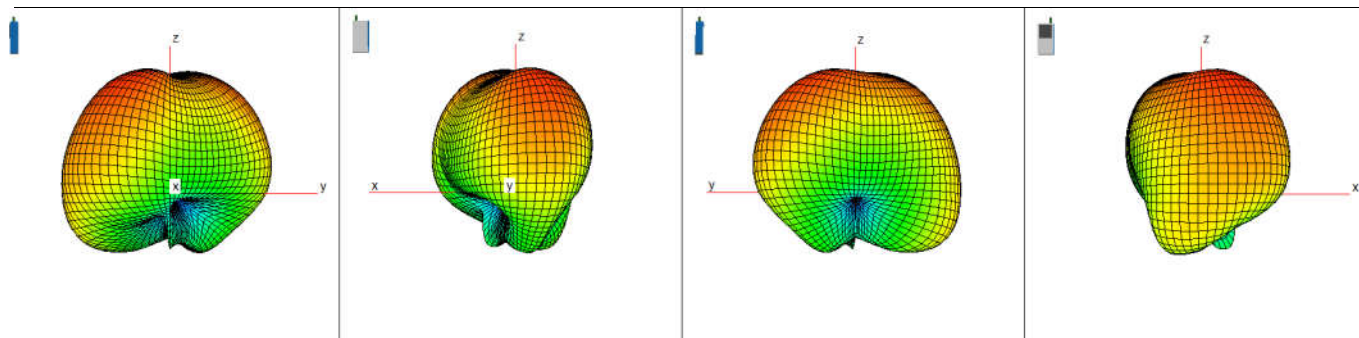
LTE B25/ NR N25



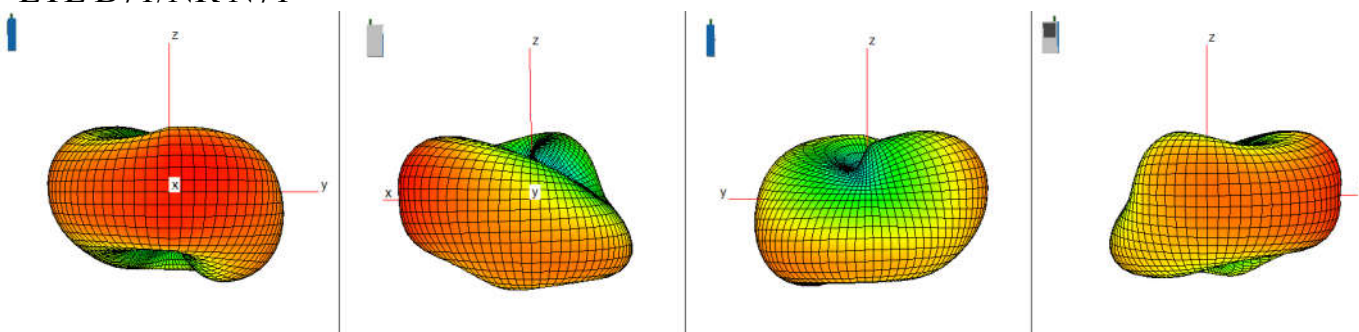
LTE B26/ NR N26



LTE B30/ NR N30



LTE B71/NR N71



ANT5

Antenna model name: FPC

Antenna type:Fixed Internal Antenna

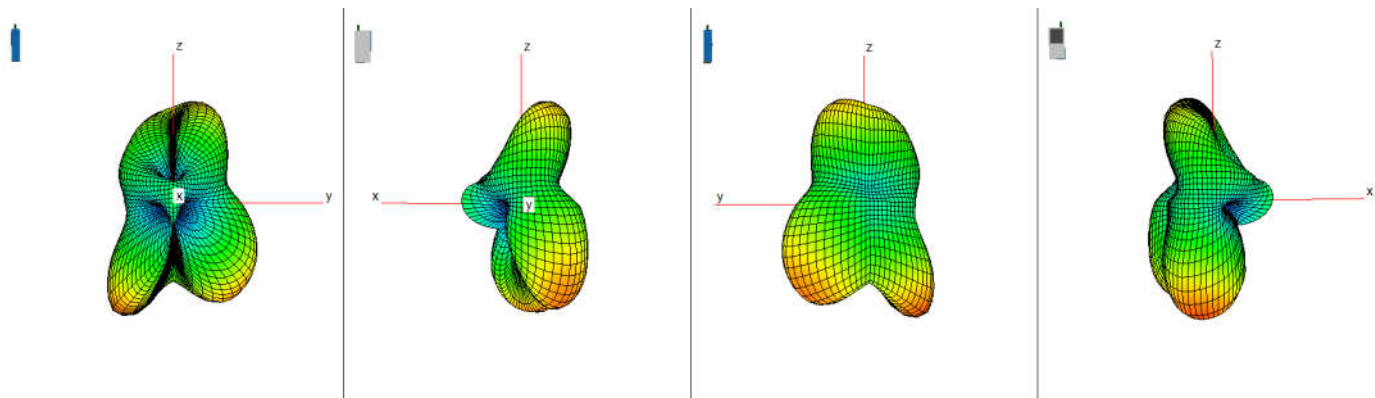
LTE BAND	Peak Gain(dBi)
LTE B48	-2.4

NR FR1 BAND	Peak Gain(dBi)
N48	-2.4
N77	-2.5
N78	-2.5

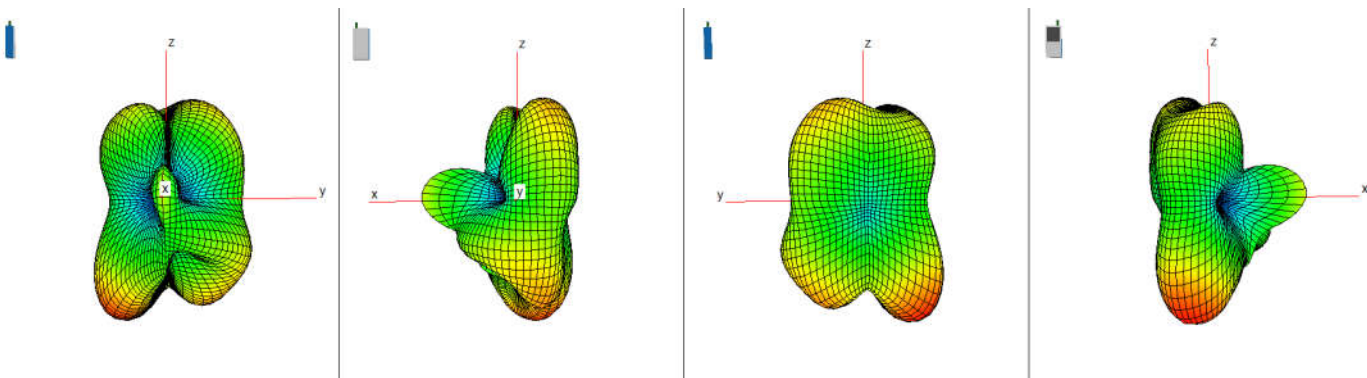
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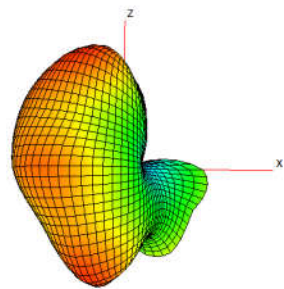
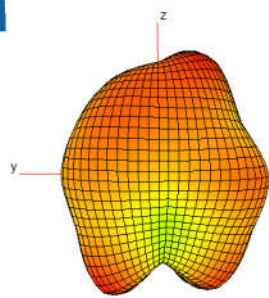
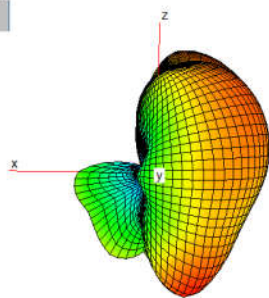
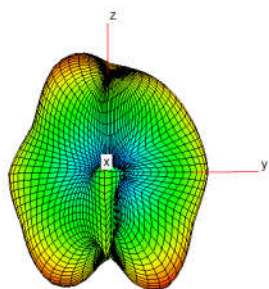
LTE B48/ NR N48



NR N77



NR N78



ANT6

Antenna model name: FPC

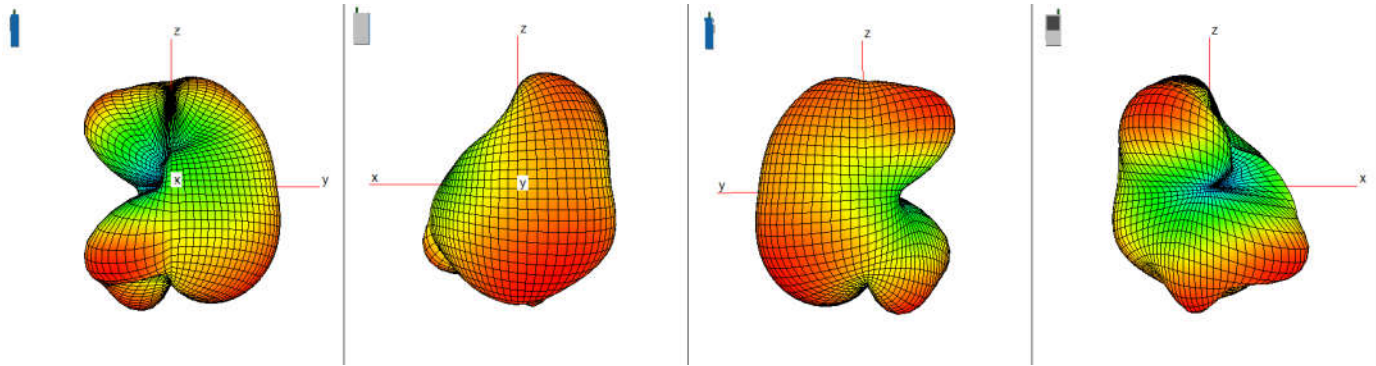
Antenna type: Fixed Internal Antenna

NR FR1 BAND	Peak Gain(dBi)
N41	-2.5

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

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NR N41



ANT7

Antenna model name:FPC

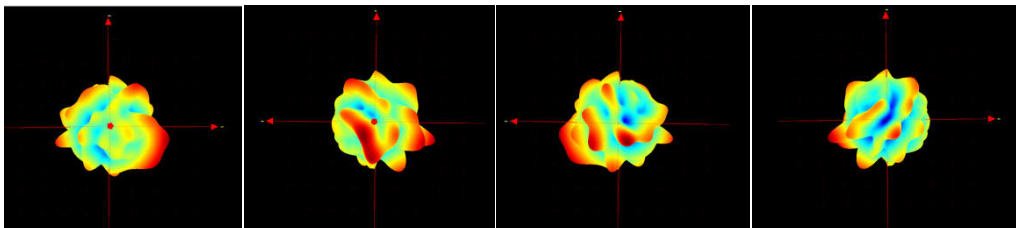
Antenna type: Fixed Internal Antenna

NR FR1 BAND	Peak Gain(dBi)
N77	-2.9
N78	-2.9

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

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NR N77/78



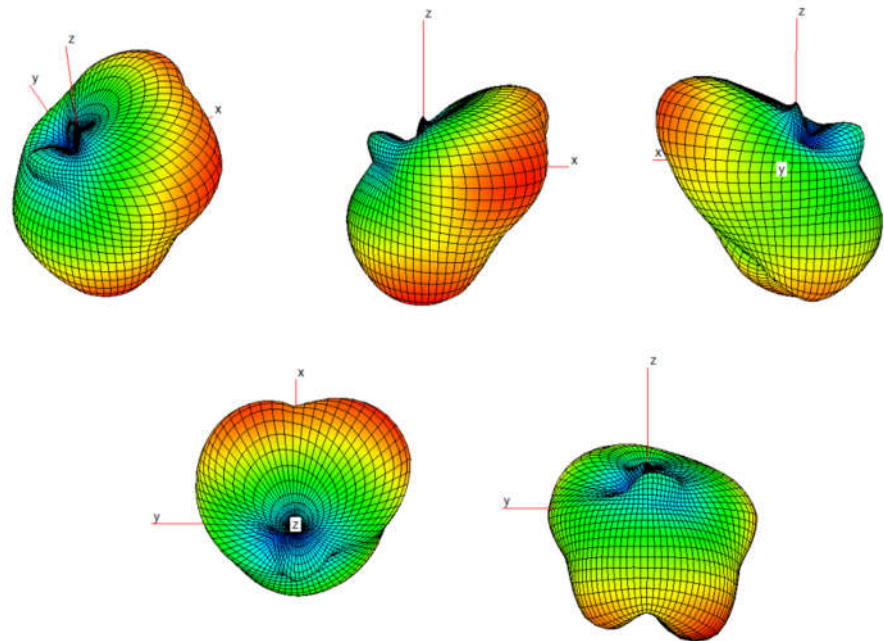
ANT8

Antenna model name: FPC

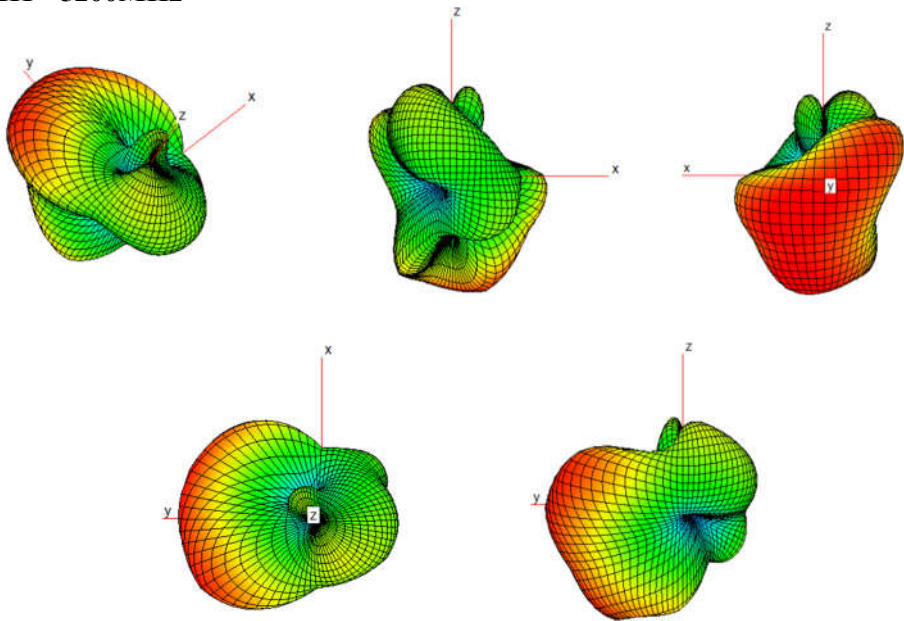
Antenna type: IFA Antenna

BT/WLAN CH0 Peak Gain (dBi)			
2400~2483.5MHz	-3.1 dBi	5470~5725MHz	-5.2 dBi
5150~5250MHz	-5.5 dBi	5725~5850MHz	-5.3 dBi
5250~5350MHz	-5.8 dBi		

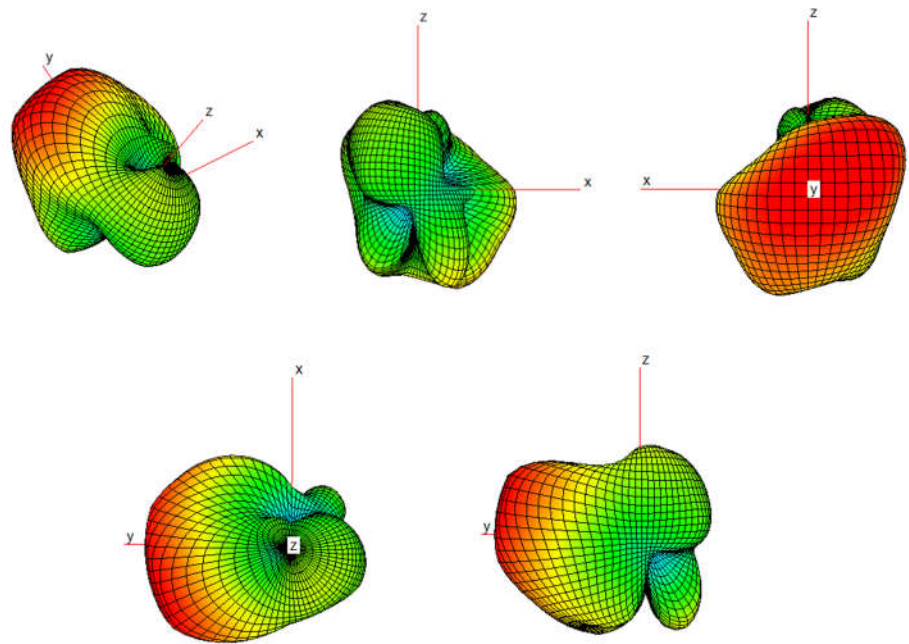
ANT8- WiFi 2.4G CH0



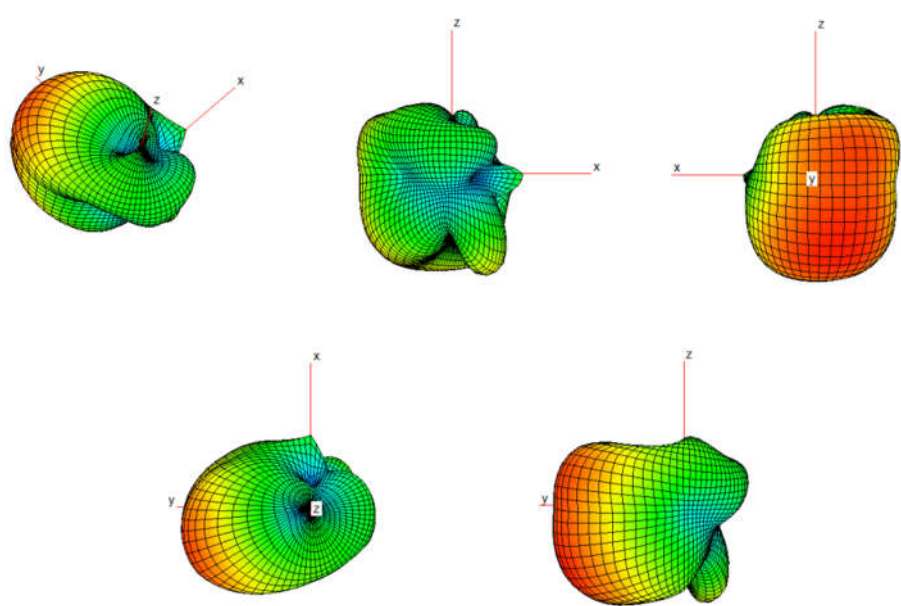
ANT8-WIFI 5G CH1 5200MHz



ANT8-WIFI 5G CH1 5300MHz



ANT8-WIFI 5G CH1 5500MHz



ANT8-WIFI 5G CH1 5800MHz

