
Antenna Reports

Tesla NA

Test lab: Motorola internal lab (GTS)

Issue date: 2022/6/28

Peak Gain

ANT0

Antenna model name: Insert molding metal with LDS

Antenna type: IFA

BAND	Peak Gain(dBi)
GSM 850	-7.4
GSM 900	-9
GSM 1800	-5
GSM 1900	-4.2

BAND	Peak Gain(dBi)
WCDMA B1	-4.2
WCDMA B2	-4.2
WCDMA B4	-5
WCDMA B5	-7.4
WCDMA B8	-9

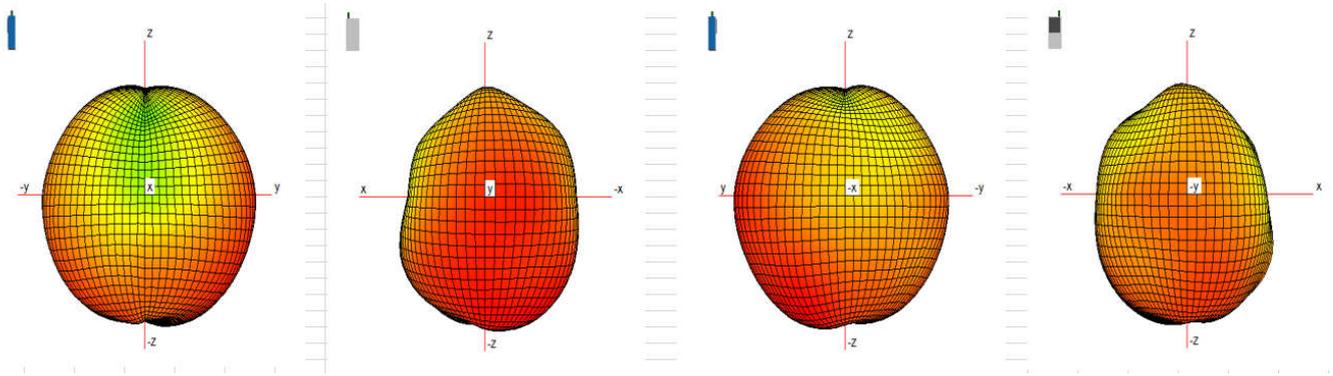
LTE BAND	Peak Gain(dBi)
LTE B1	-4.2
LTE B2	-4.2
LTE B3	-5
LTE B4	-5
LTE B5	-7.4
LTE B8	-8.5
LTE B12	-6.8
LTE B13	-7.5
LTE B14	-7.2
LTE B17	-6.8
LTE B18	-7.5
LTE B20	-7.5
LTE B25	-4.2
LTE B26	-7.4
LTE B29	-7
LTE B39	-4.2
LTE B66	-5
LTE B71	-9

NR FR1 BAND	Peak Gain(dBi)
N2	-4.2
N5	-7.4
N12	-6.8
N14	-7.2
N25	-4.2
N26	-7.4
N29	-7
N66	-5
N70	-5
N71	-9

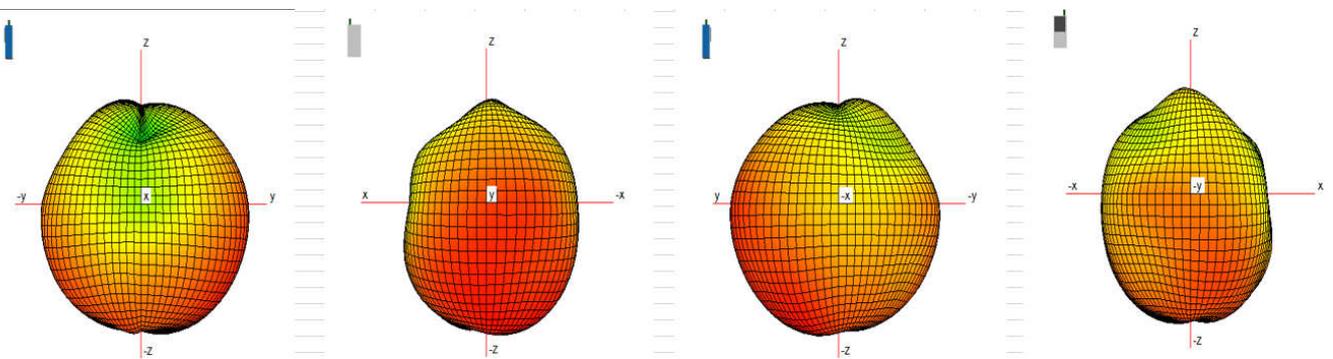
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

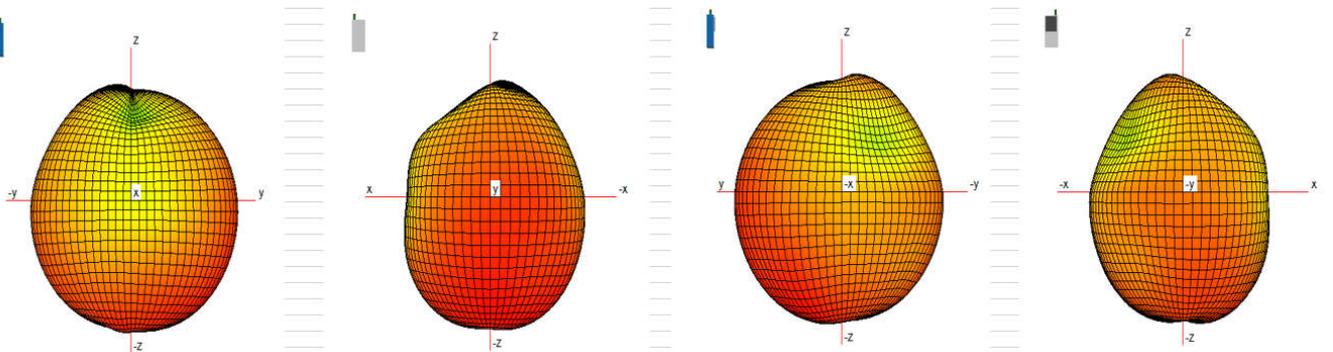
WCDMA B1/LTE B1



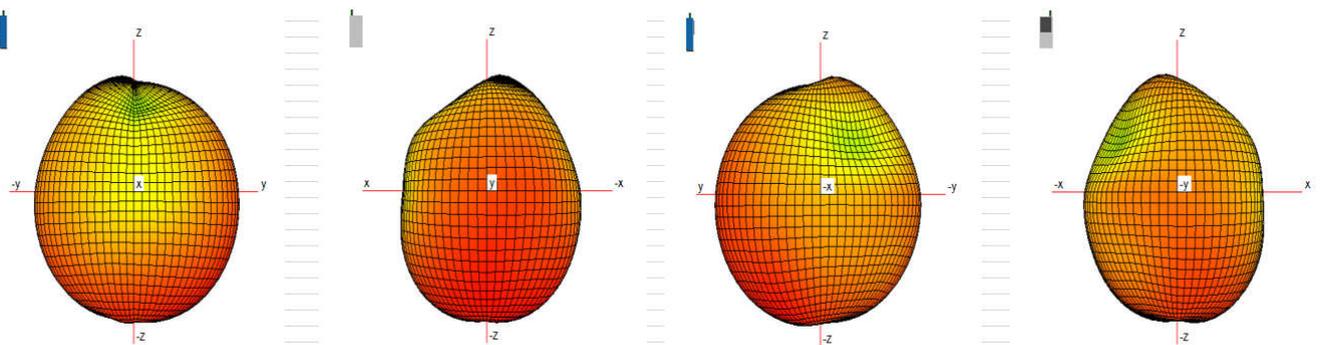
GSM1900/WCDMA B2/LTE B2/LTE B39/NR N2



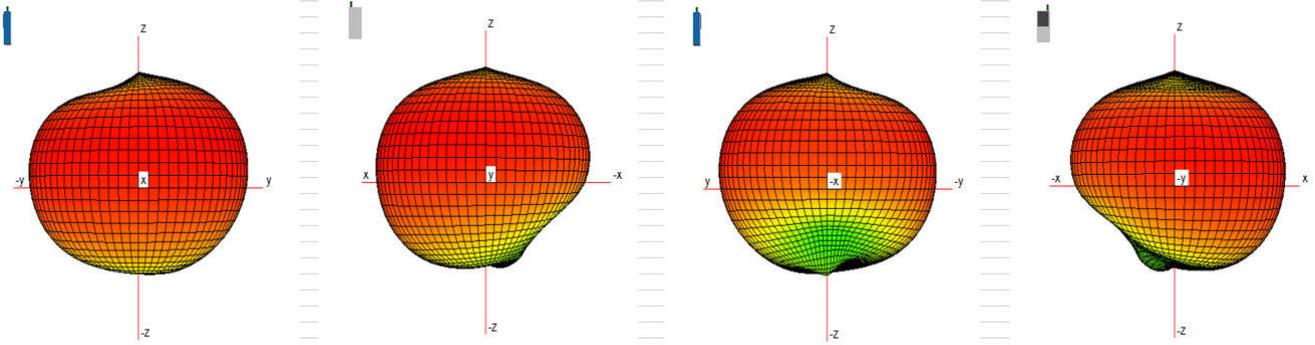
GSM1800/LTE B3



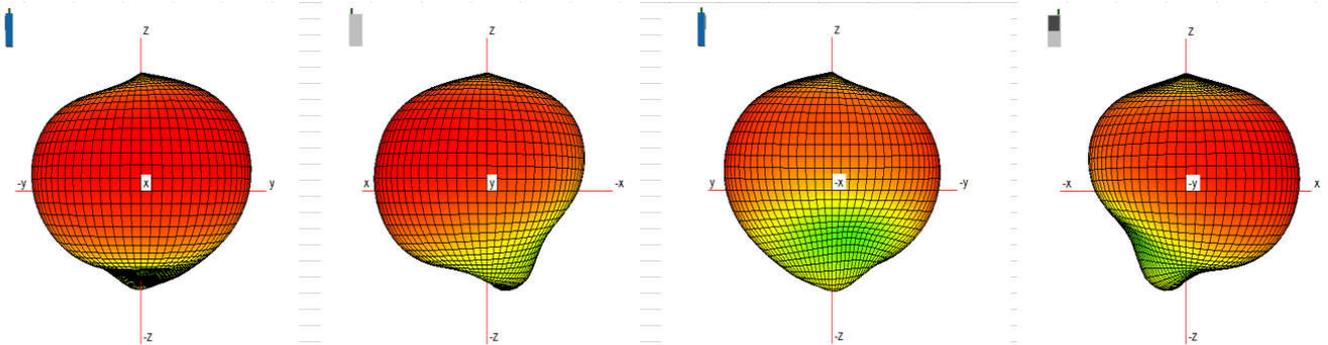
WCDMA B4/LTE B4/LTE B66/NR N66



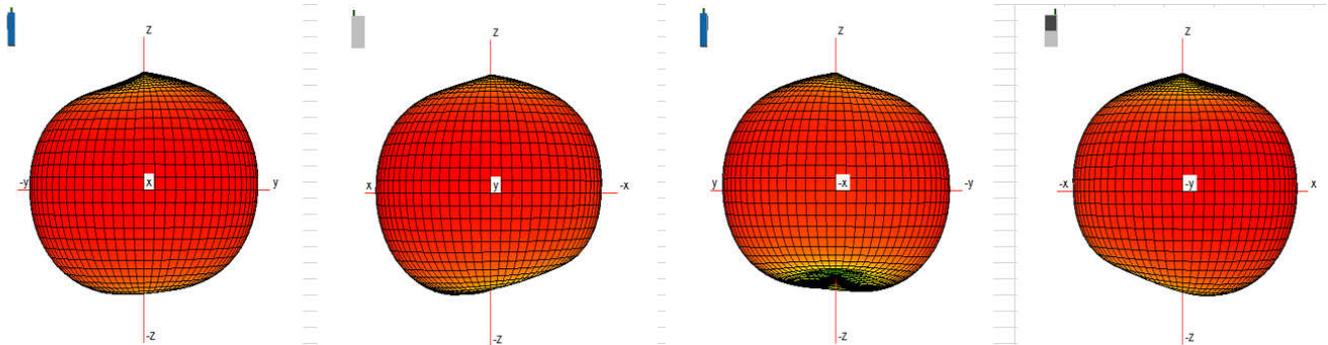
GSM850/WCDMA B5/LTE B5/ NR N5



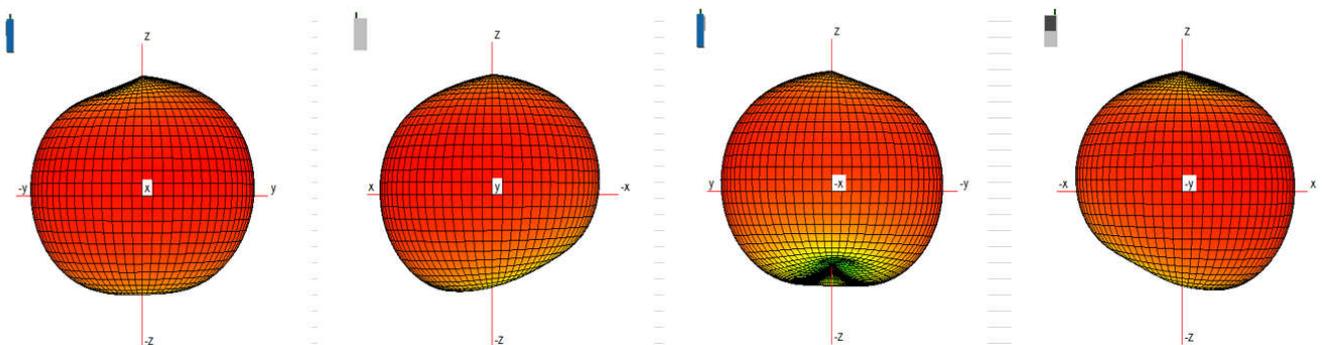
GSM900/WCDMA B8/LTE B8



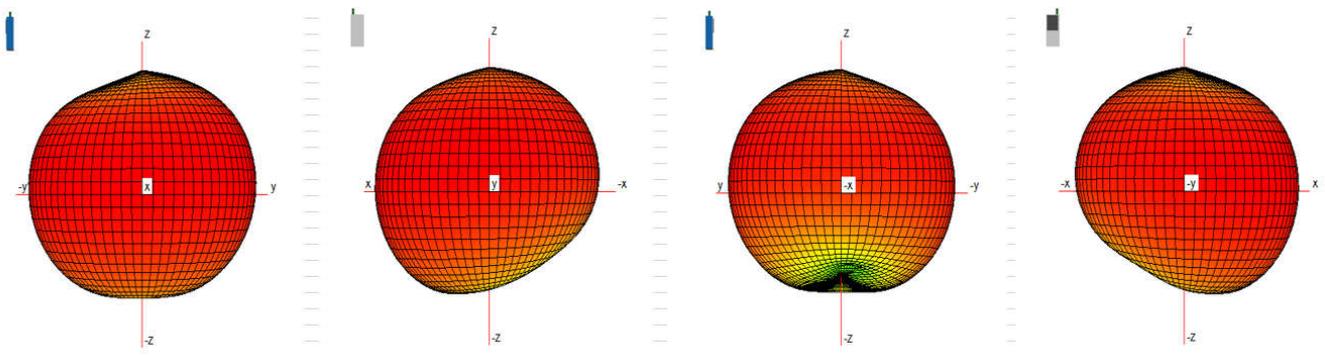
LTE B12/ NR N12



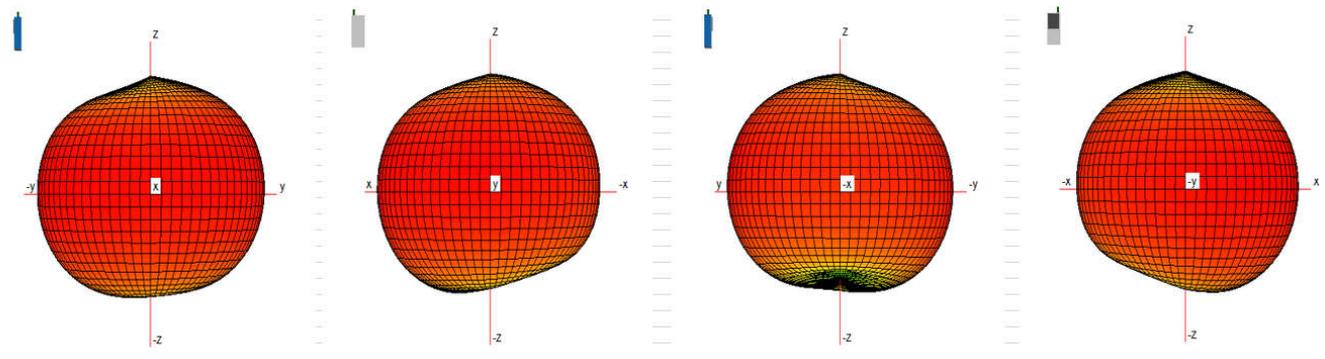
LTE B13



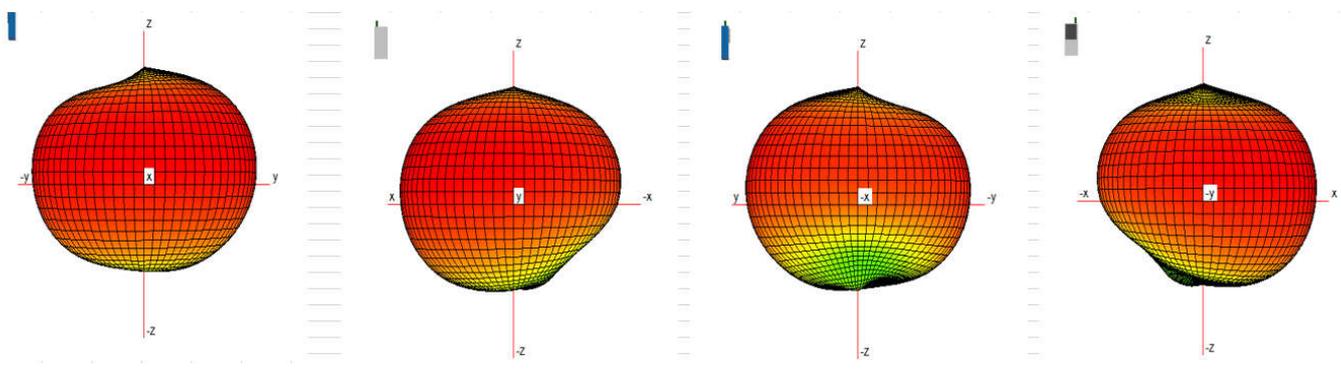
LTE B14/NR N14



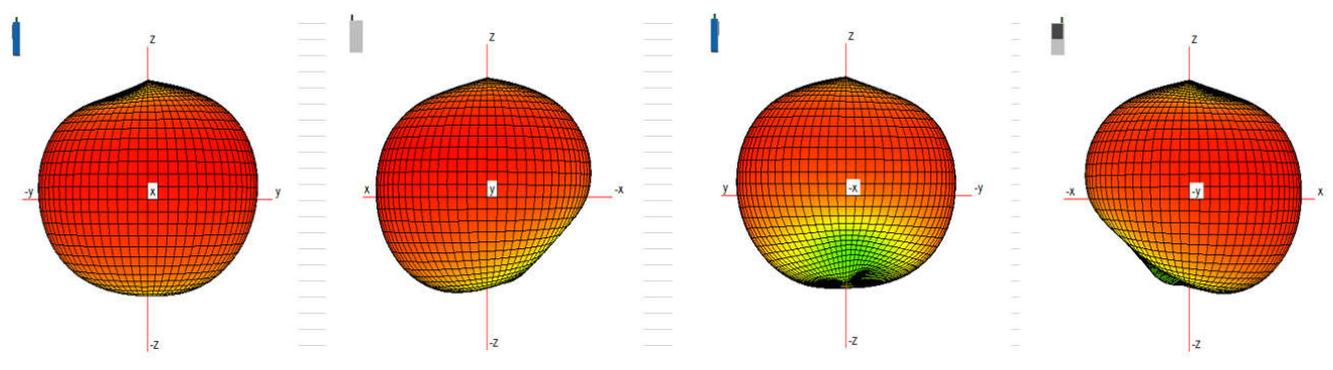
LTE B17



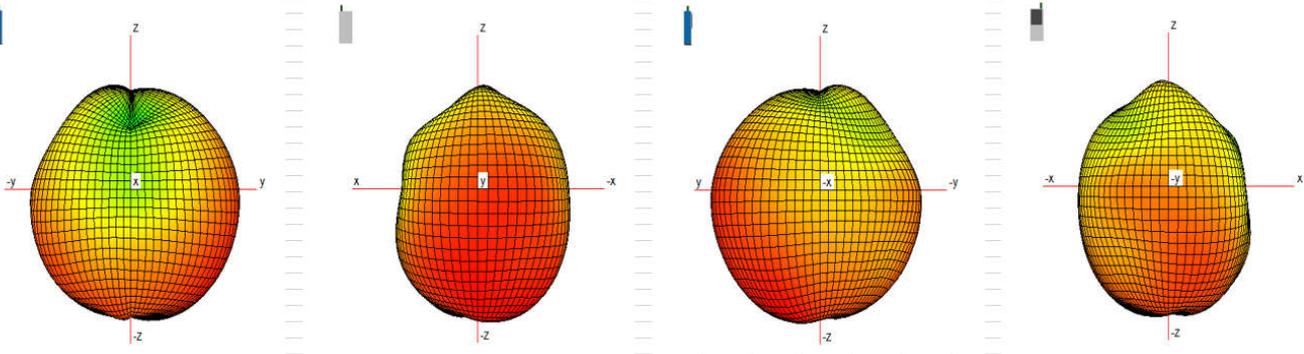
LTE B18



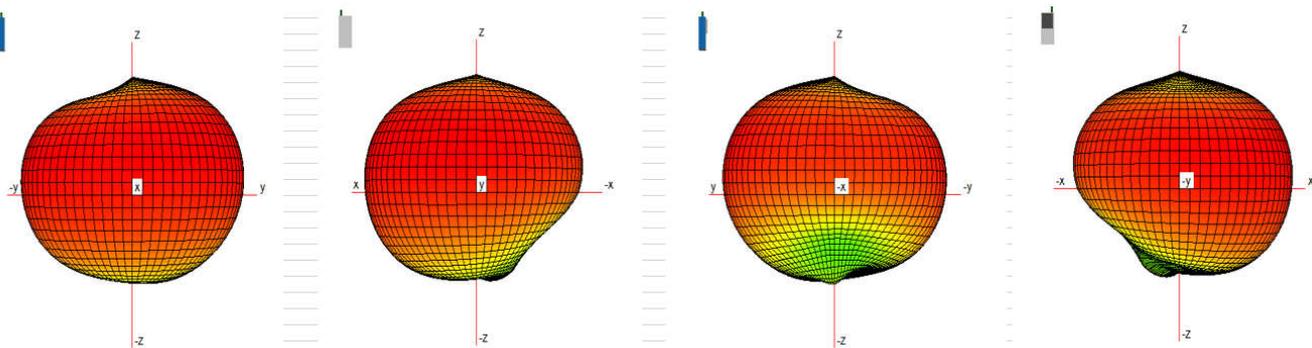
LTE B20



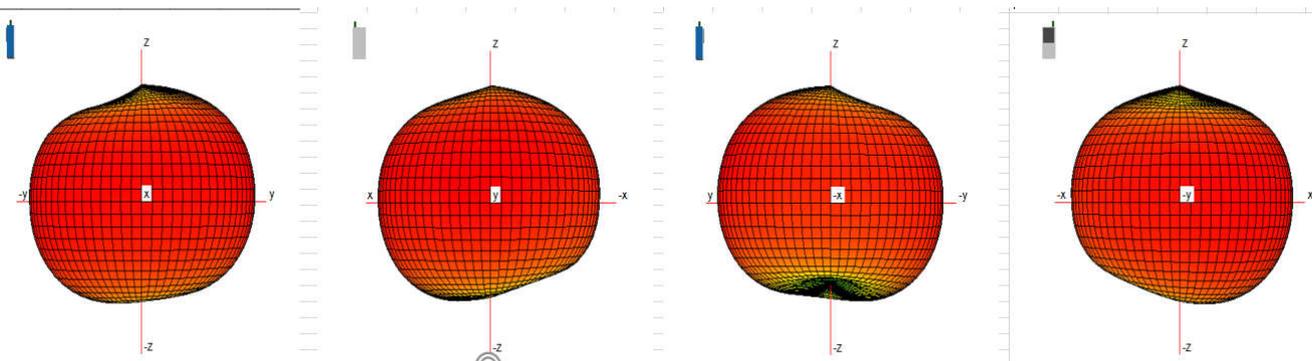
LTE B25/ NR N25



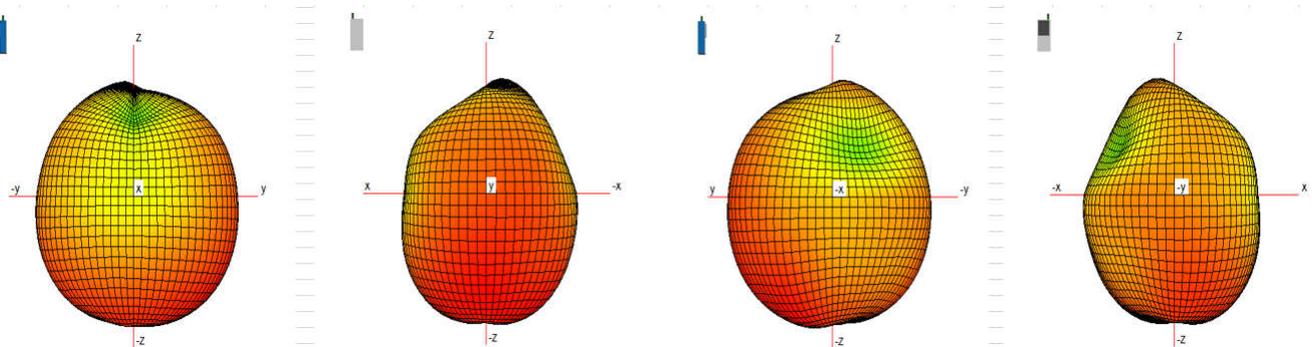
LTE B26/ NR N26



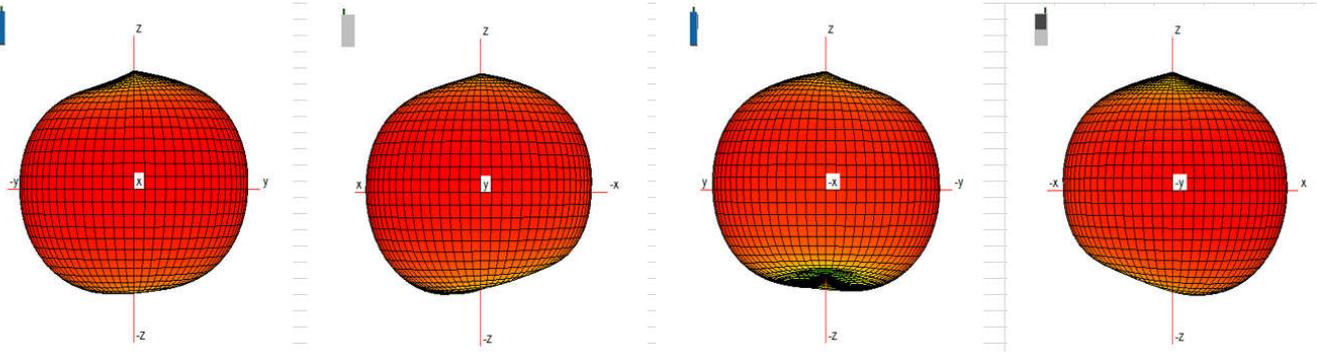
LTE B29/ NR N29



NR N70



LTE B71/NR N71



ANT1

Antenna model name: Insert molding metal with LDS

Antenna type: IFA

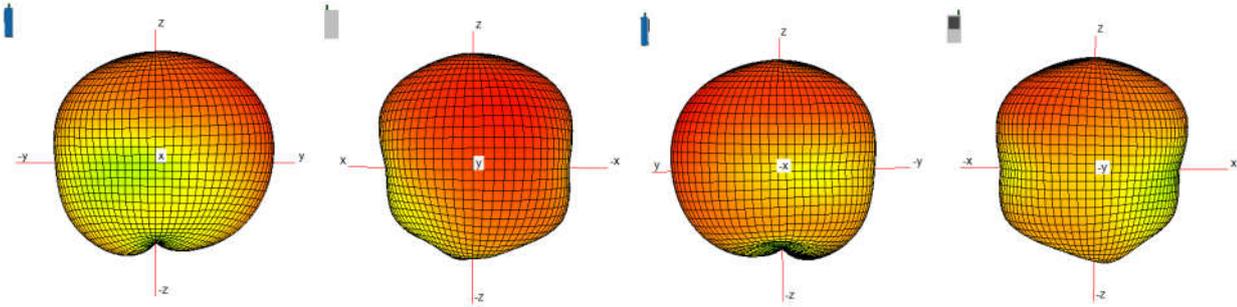
LTE BAND	Peak Gain(dBi)
LTE B2	-7
LTE B4	-7
LTE B5	-7.2
LTE B12	-7.5
LTE B13	-7.5
LTE B14	-7.5
LTE B17	-7.5
LTE B18	-7.2
LTE B25	-7
LTE B26	-7.2
LTE B29	-7.5
LTE B66	-7
LTE B71	-8.5

NR FR1 BAND	Peak Gain(dBi)
N2	-7
N5	-7.2
N12	-7.5
N14	-7.5
N25	-7
N26	-7.2
N29	-7.5
N66	-7
N70	-7
N71	-8.5

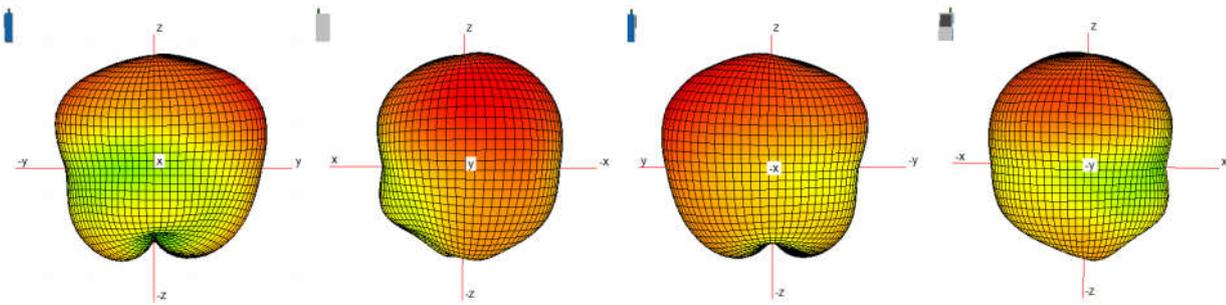
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

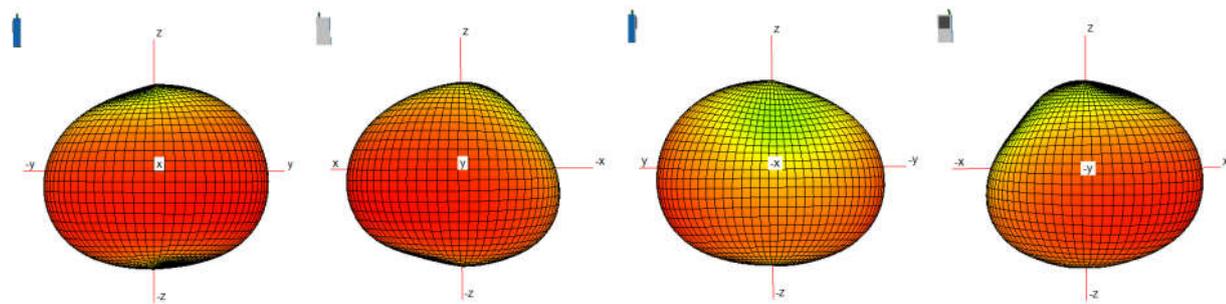
LTE B2/ NR N2



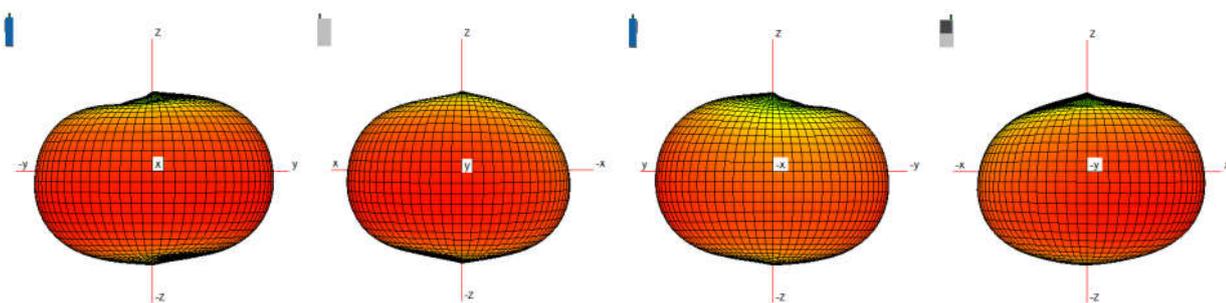
B4/LTE B66/NR N66



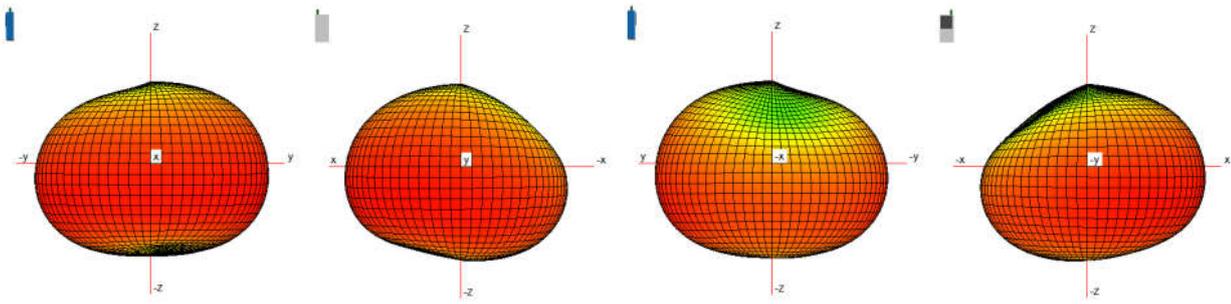
LTE B5/ NR N5



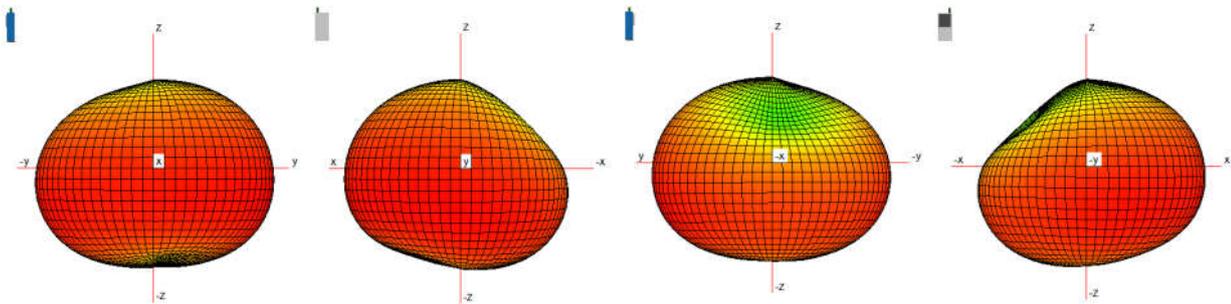
LTE B12/NR N12



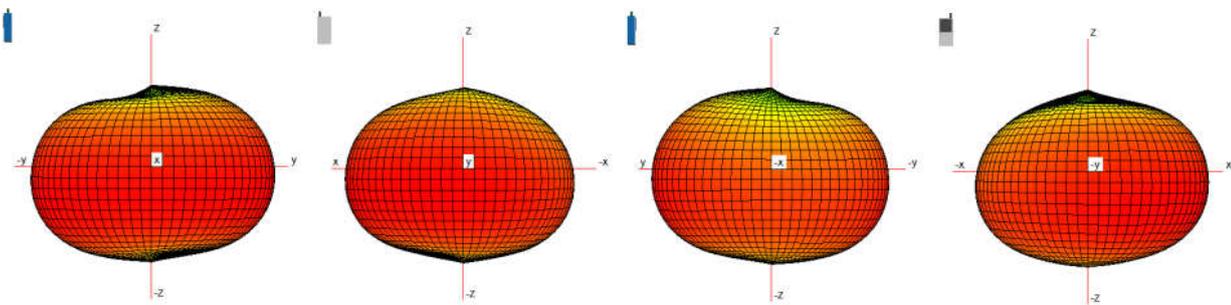
B13



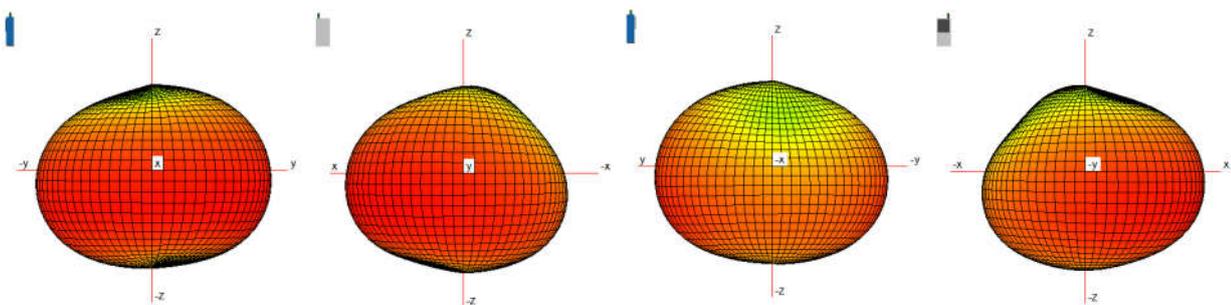
LTE B14/NR N14



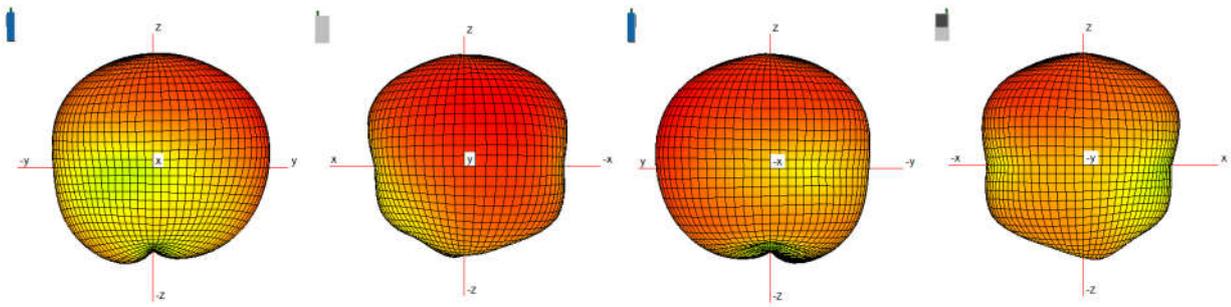
B17



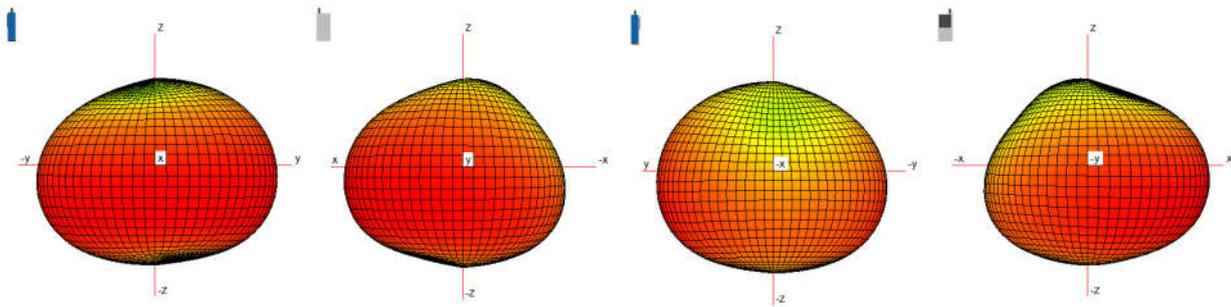
B18



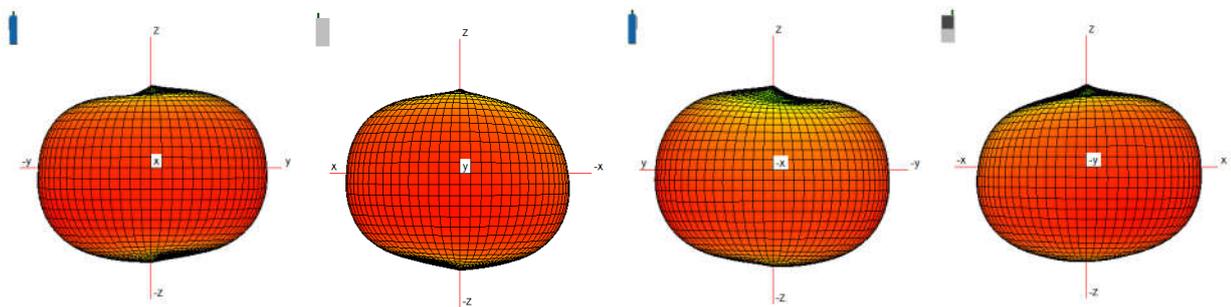
LTE B25/NR N25



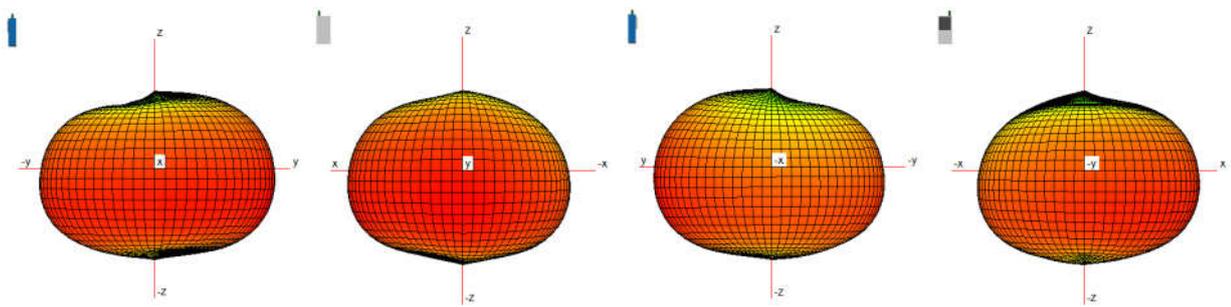
LTE B26/NR N26



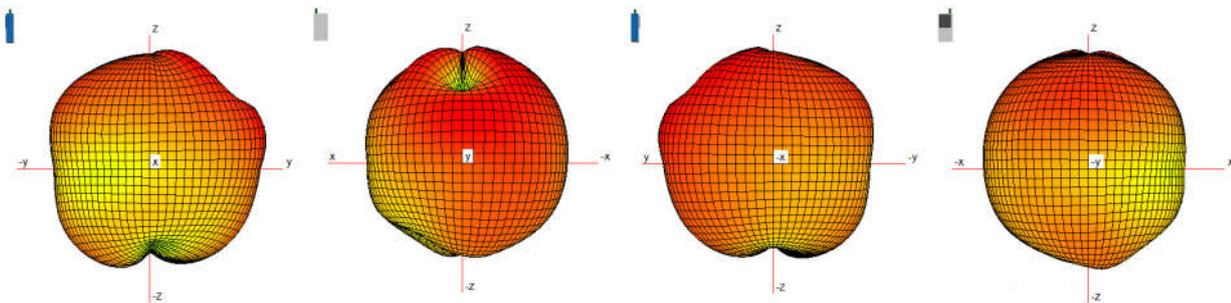
LTE B71/NR N71



LTE B29/NR N29



NR N70



ANT2

Antenna model name: Insert molding metal

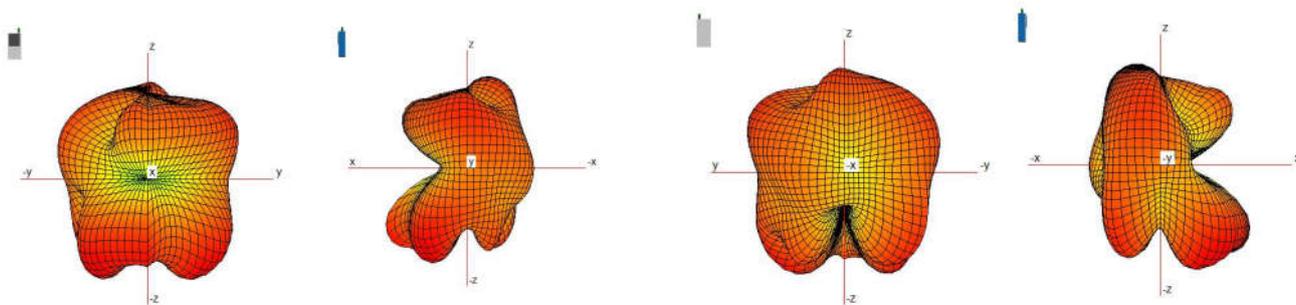
Antenna type: Loop

BT/WLAN Peak Gain (dBi)			
2400~2483.5MHz	-4	5470~5725MHz	-6.5
5150~5250MHz	-6	5725~5850MHz	-7.5
5250~5350MHz	-6	5925~7125MHz	-8.5

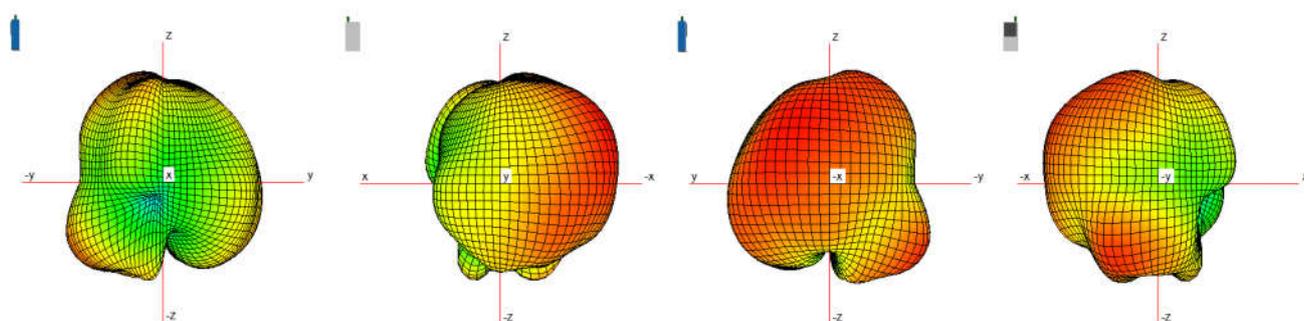
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

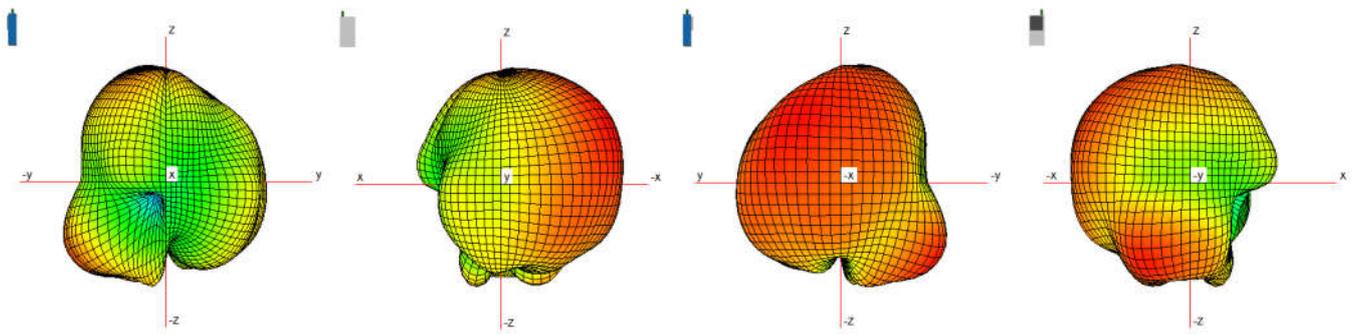
WIFI 2.4G (2450 MHz)



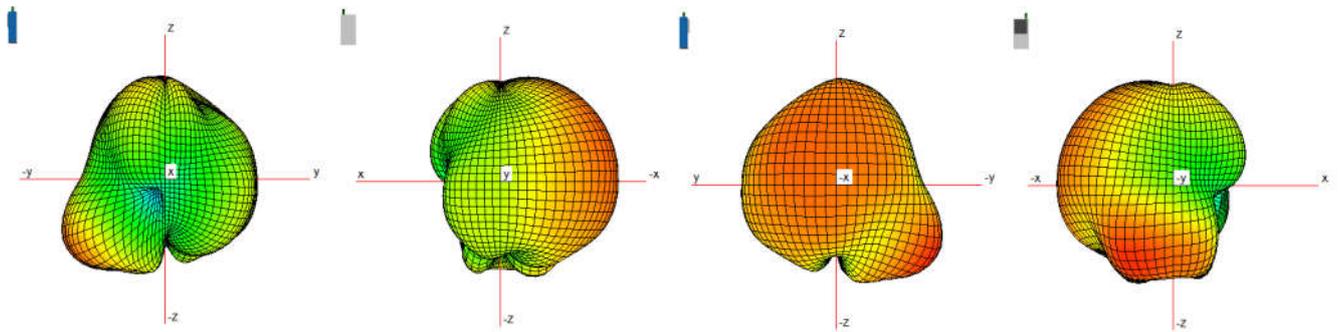
WIFI 5G (5200 MHz)



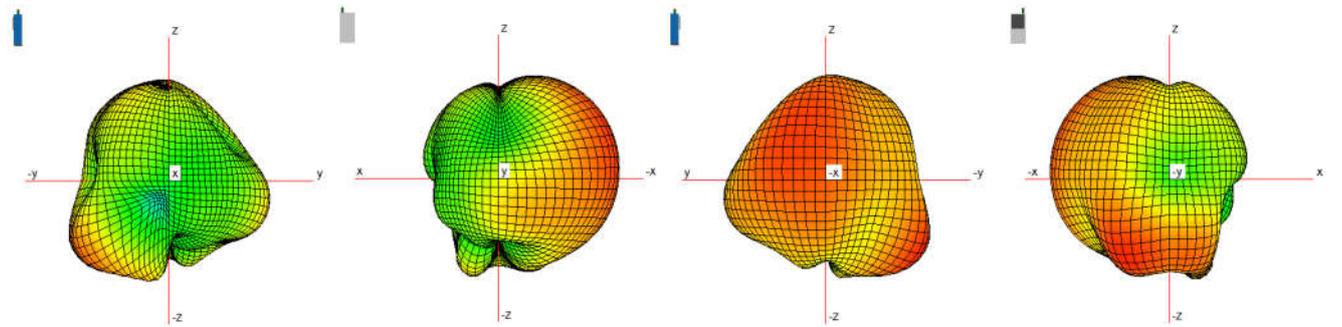
WIFI 5G (5300 MHz)



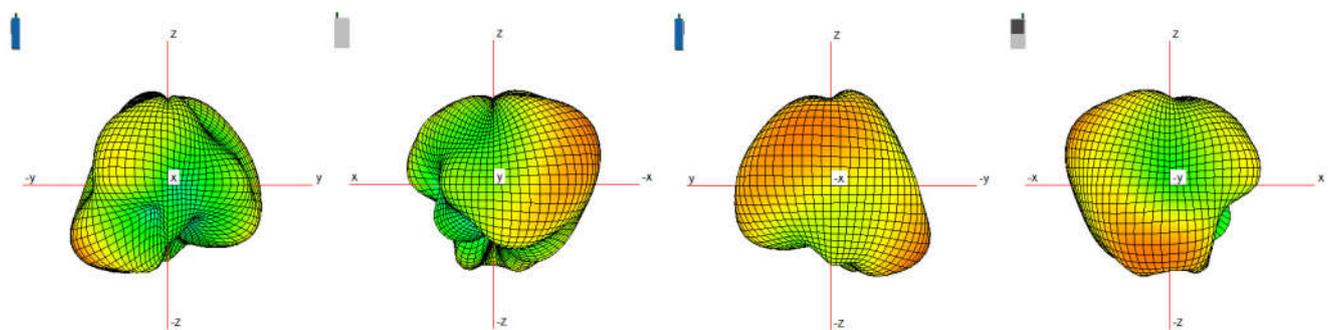
WIFI 5G (5500 MHz)



WIFI 5G (5800 MHz)



WIFI 6E (6200 MHz)



ANT3

Antenna model name: Insert molding metal with LDS

Antenna type: ILA

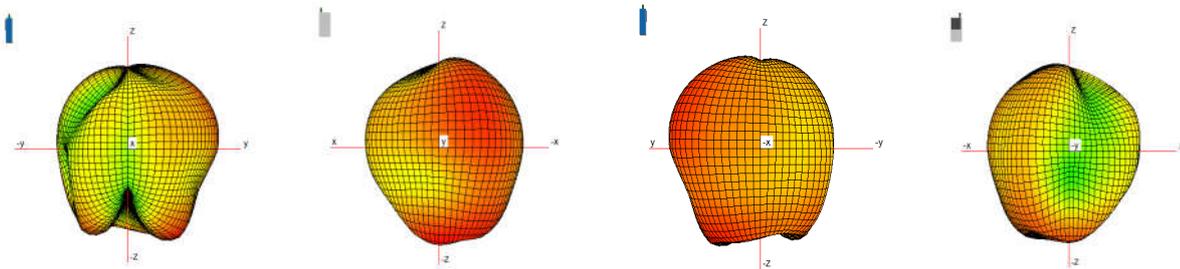
LTE BAND	Peak Gain(dBi)
LTE B48	-6

NR FR1 BAND	Peak Gain(dBi)
N48	-6
N77	-6.3
N78	-6.8

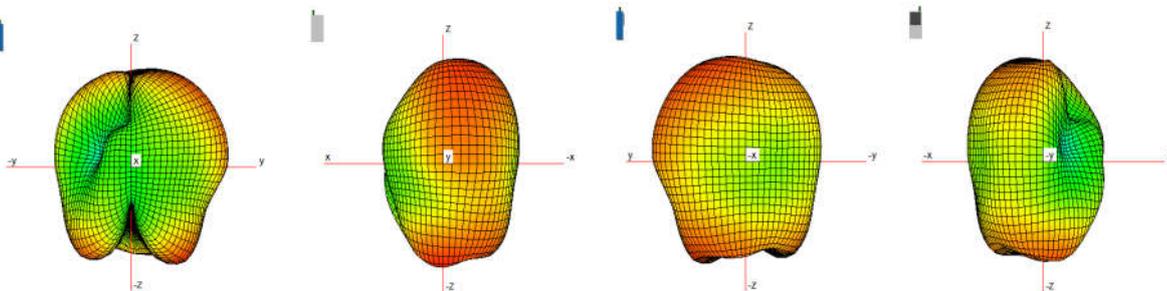
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

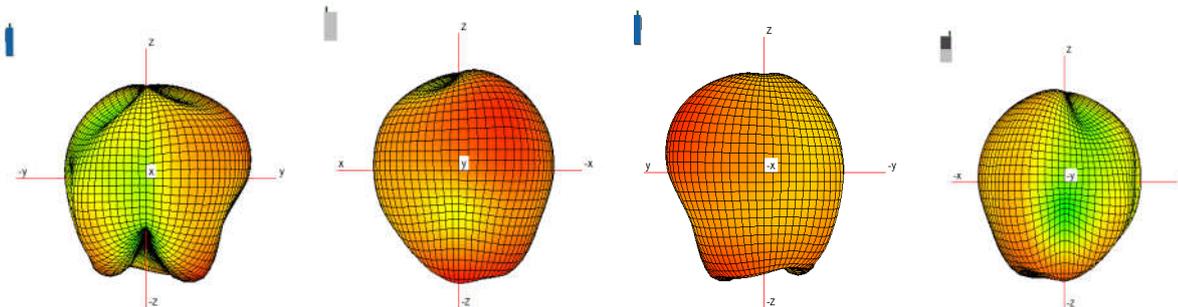
LTE B48/ NR N48



N77



N78



ANT4

Antenna model name: LDS

Antenna type: PIFA

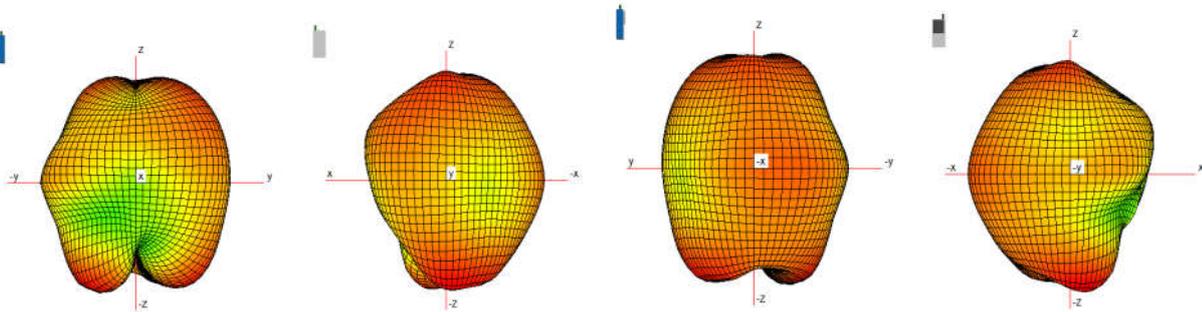
LTE BAND	Peak Gain(dBi)
LTE B48	-5.8

NR FR1 BAND	Peak Gain(dBi)
N48	-5.8
N77	-5.7
N78	-5.2

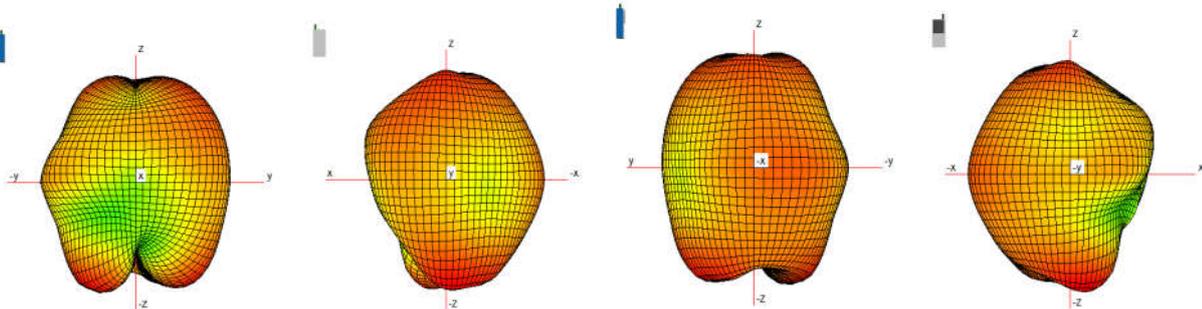
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

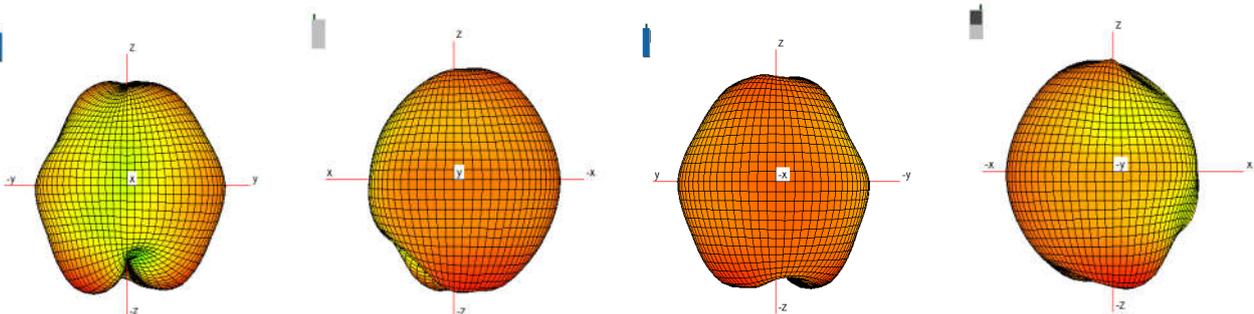
LTE B48/ NR N48



N77



N78



ANT5

Antenna model name: Insert molding metal with LDS

Antenna type: ILA

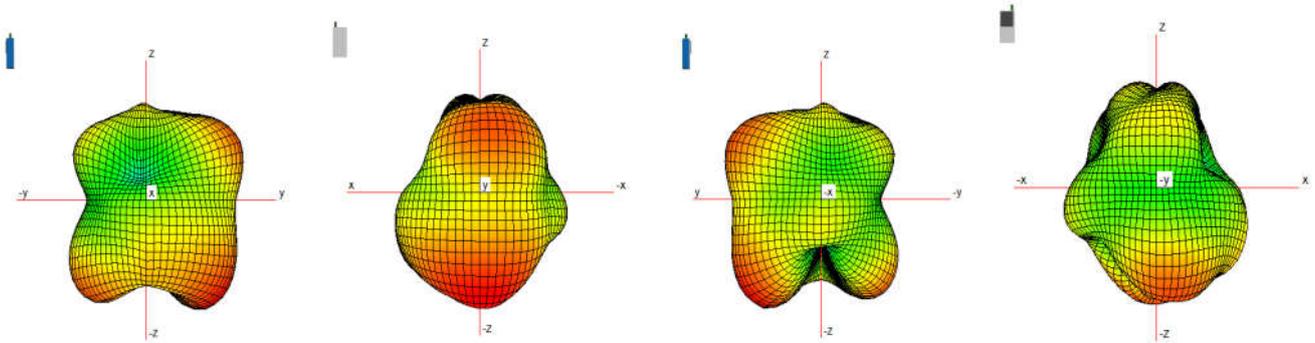
LTE BAND	Peak Gain(dBi)
LTE B48	-10

NR FR1 BAND	Peak Gain(dBi)
N41	-5
N48	-10
N77	-10
N78	-10

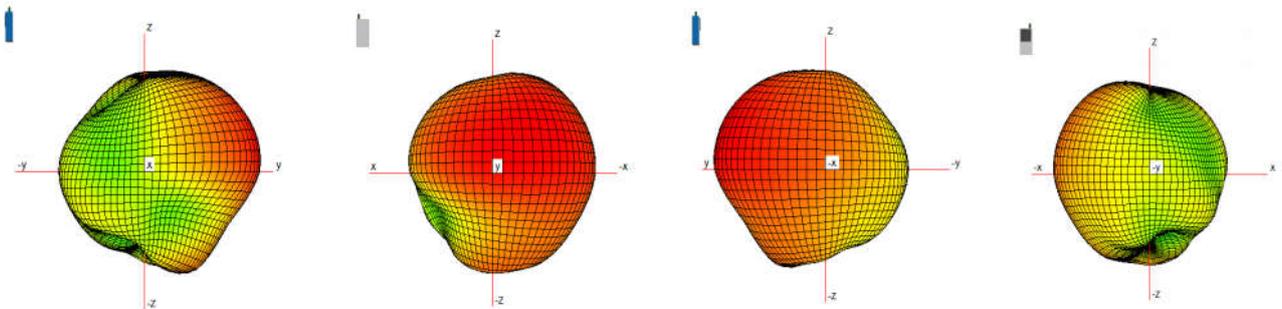
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

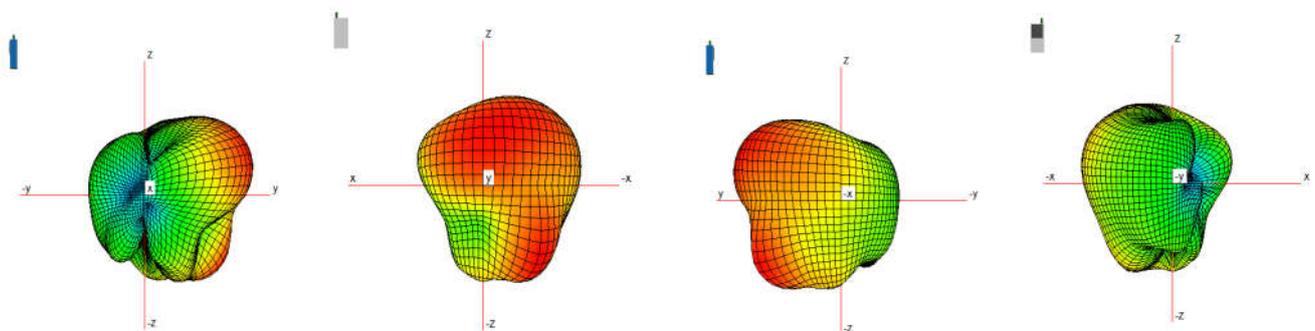
NR N41



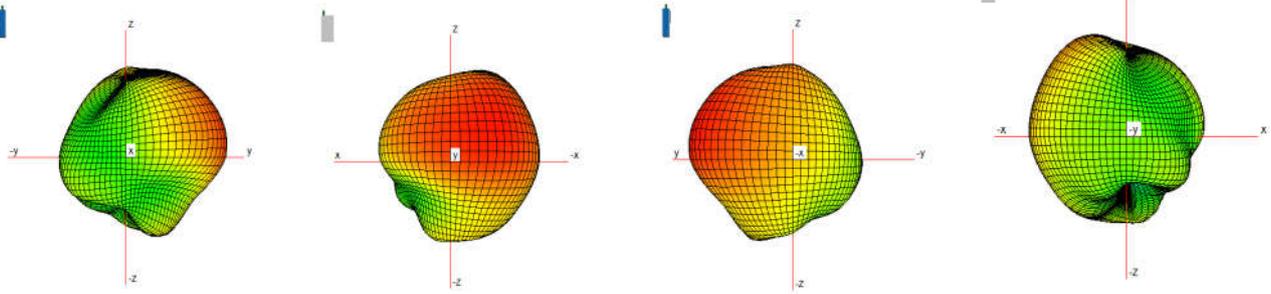
LTE B48/NR N48



NR N77



NR N78



ANT6

Antenna model name: Insert molding metal

Antenna type: Loop

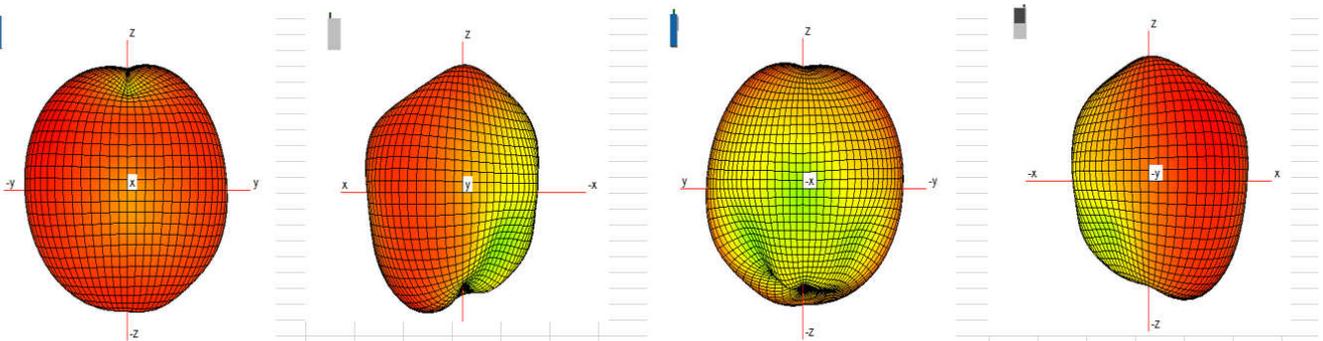
LTE BAND	Peak Gain(dBi)
LTE B7	-5.5
LTE B30	-6.8
LTE B38	-5
LTE B40	-6.8
LTE B41	-5.4

NR FR1 BAND	Peak Gain(dBi)
N30	-6.8
N41	-5.4

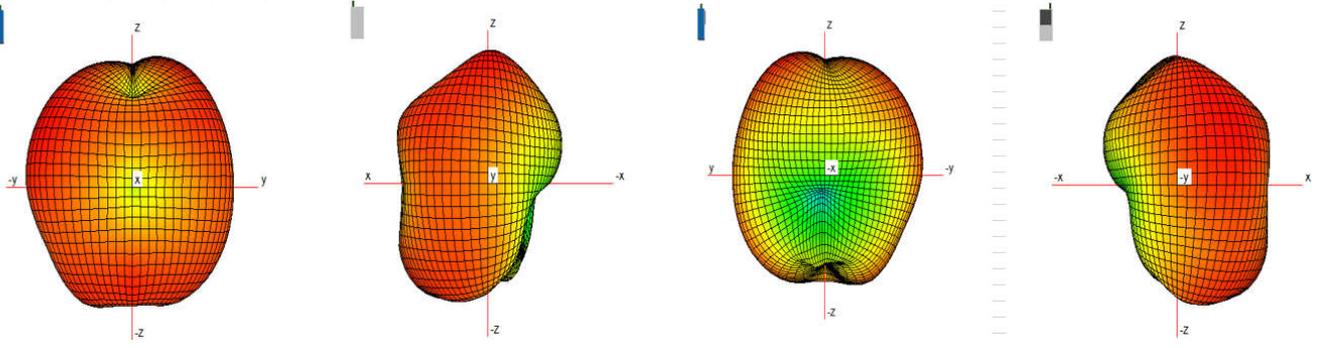
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

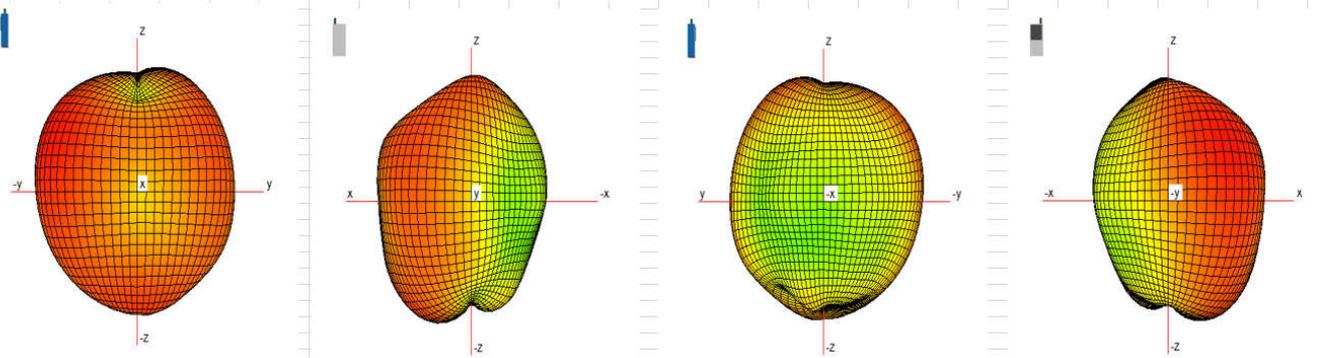
LTE B7



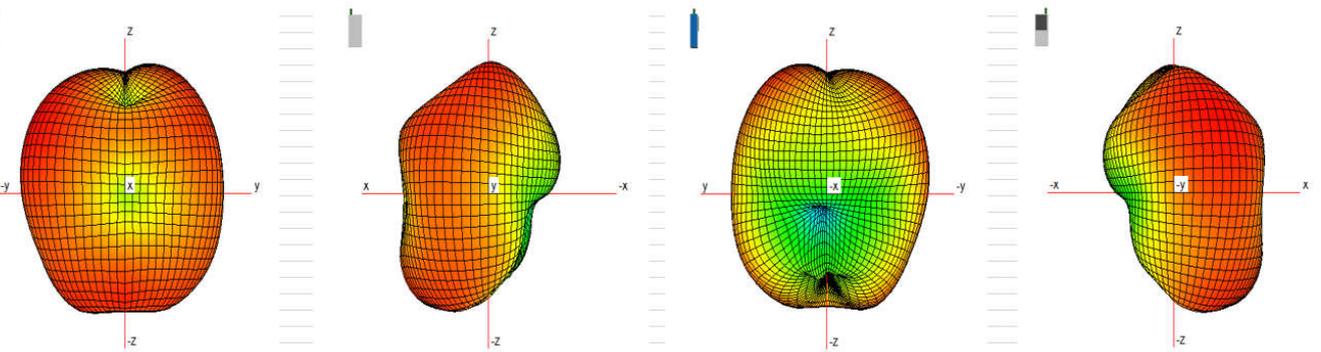
LTE B30/ NR N30



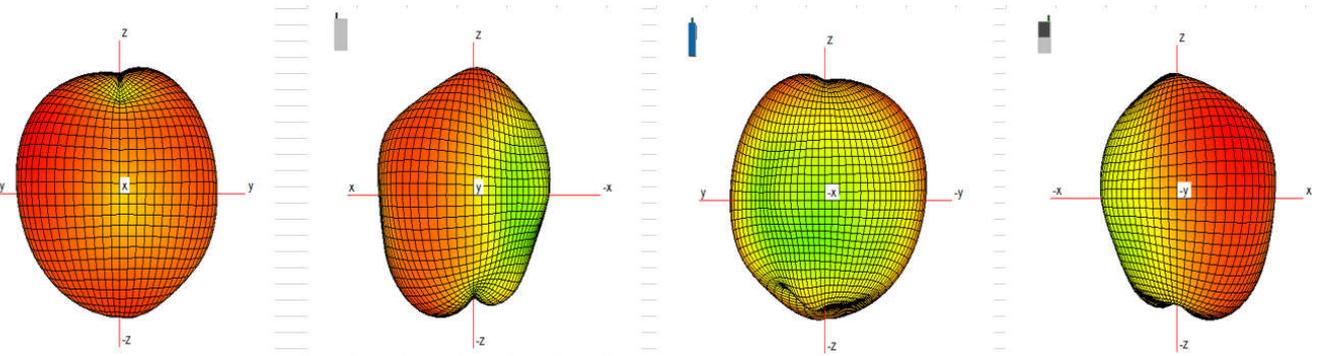
LTE B38



LTE B40



LTE B41/ NR N41



ANT7

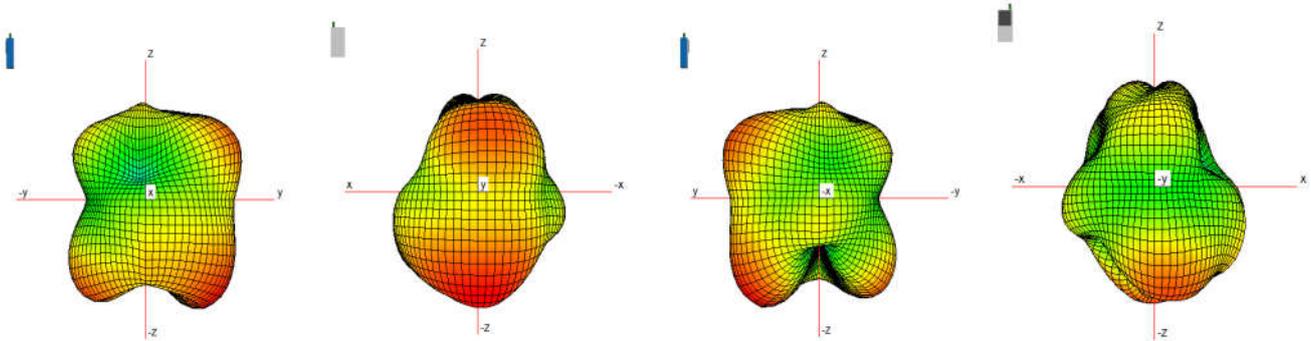
Antenna model name: Insert molding metal

Antenna type: Loop

NR FR1 BAND	Peak Gain(dBi)
N41	-10

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

NR N41



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

ANT8

Antenna model name: LDS

Antenna type: PIFA

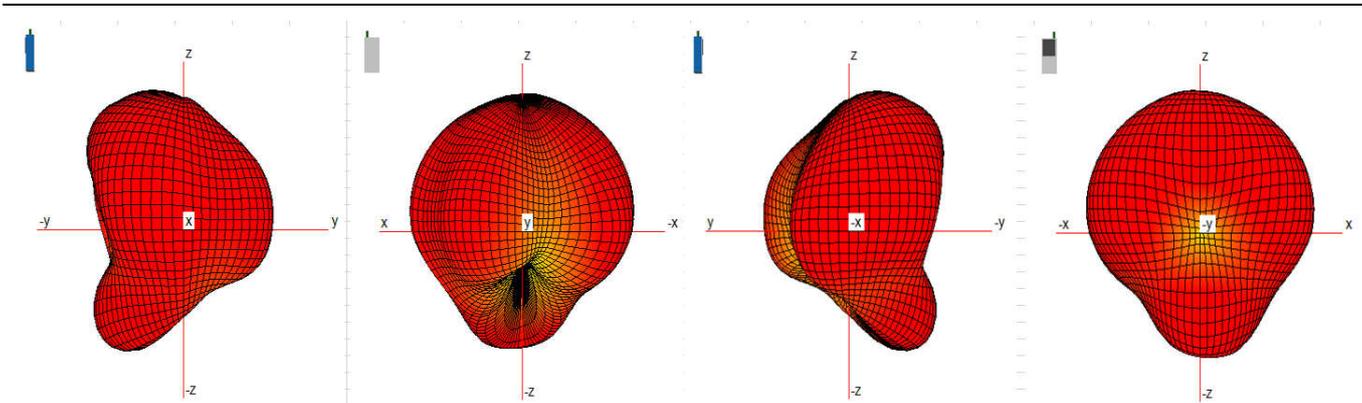
LTE BAND	Peak Gain(dBi)
LTE B41	-8.5
LTE B48	-7

NR FR1 BAND	Peak Gain(dBi)
N7	-8.5
N38	-8.5
N41	-8.5
N48	-7
N77	-7.2
N78	-7.2

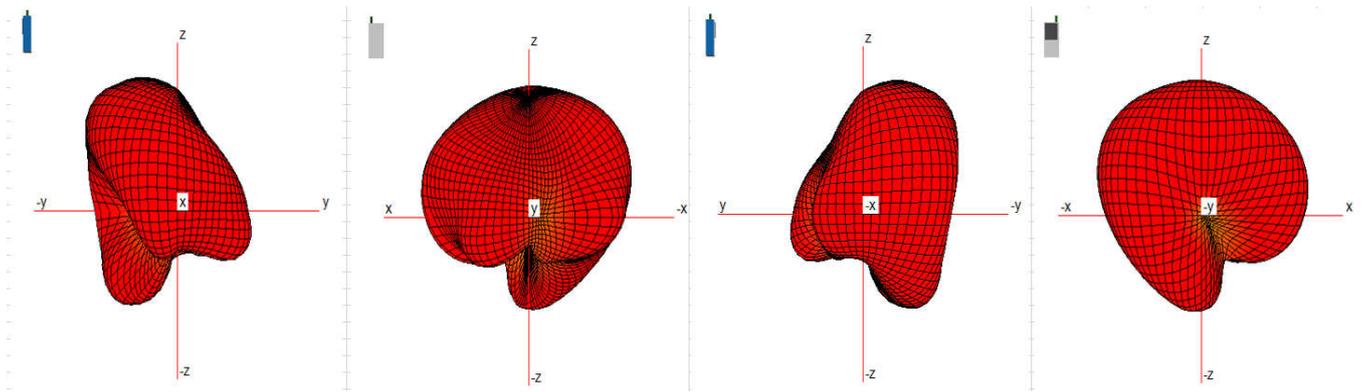
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

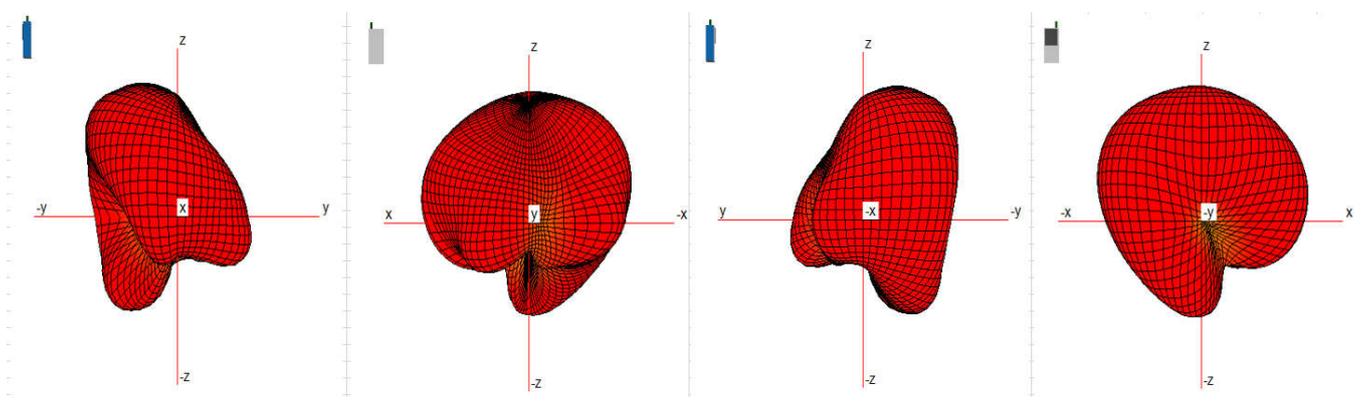
NR N7



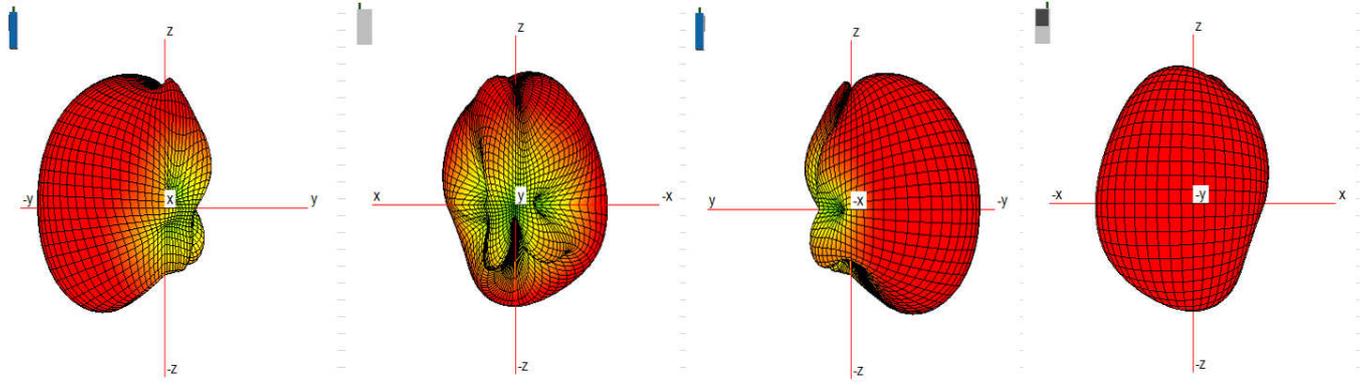
NR N38



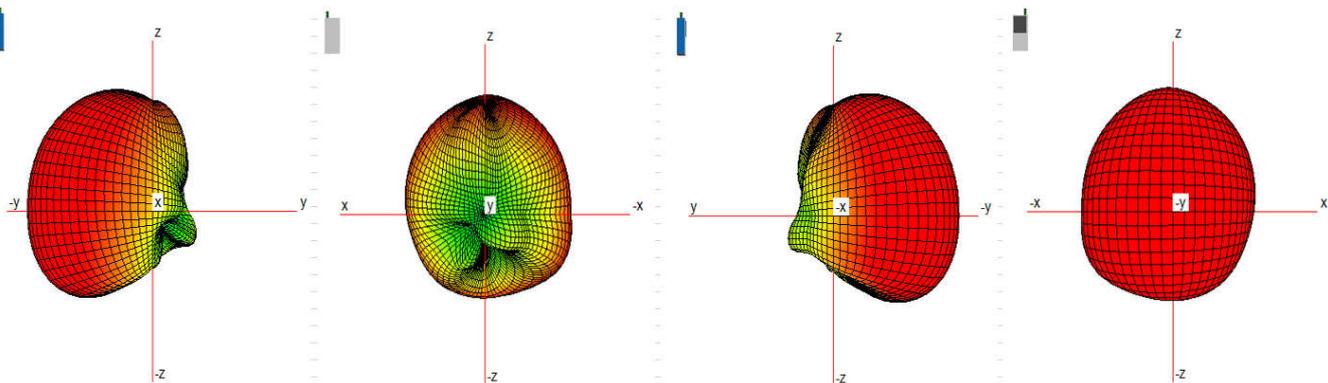
LTE B41/NR N41



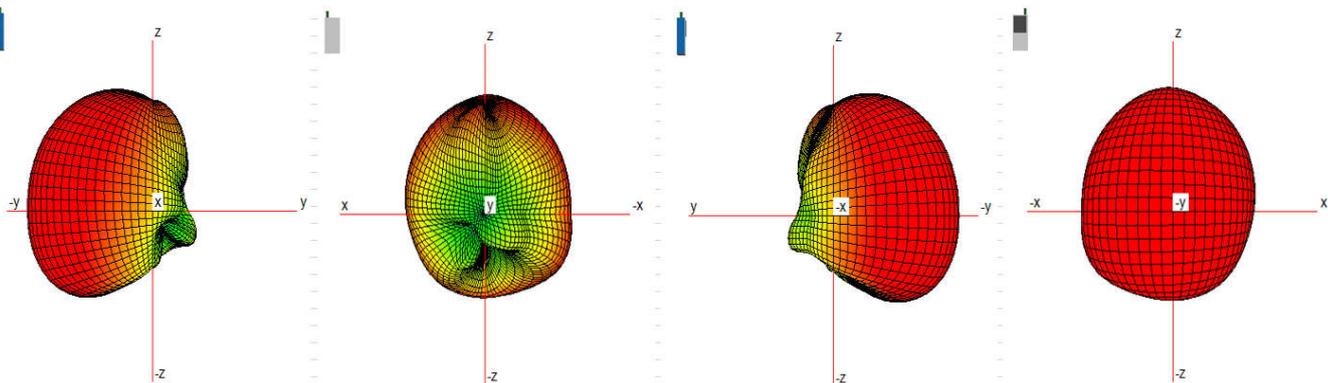
LTE B48/NR N48



NR N77



NR N78



ANT9

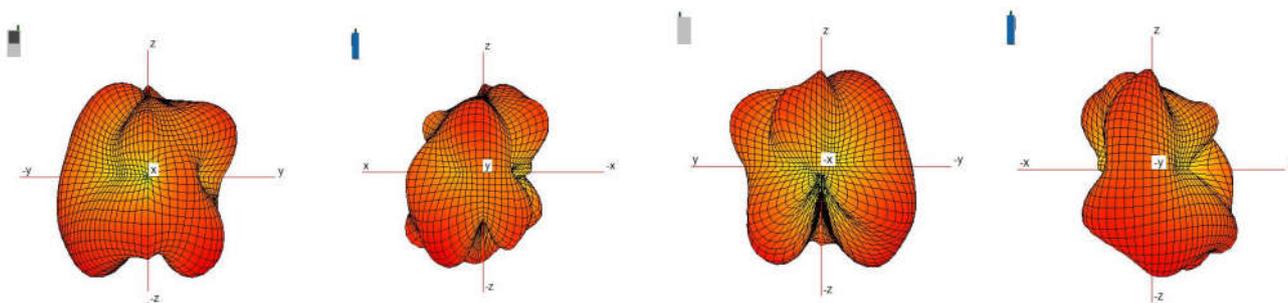
Antenna model name: Insert molding metal

Antenna type: ILA

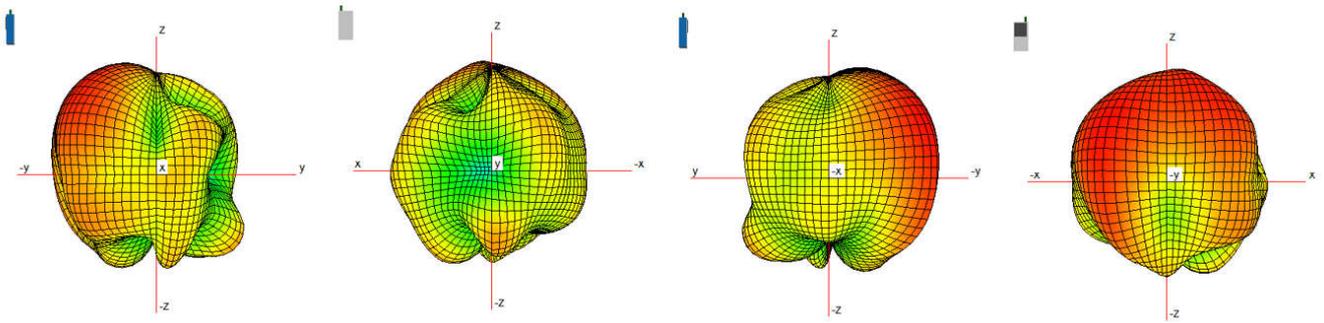
WLAN Peak Gain (dBi)			
2400~2483.5MHz	-7	5470~5725MHz	-6
5150~5250MHz	-6	5725~5850MHz	-7.3
5250~5350MHz	-6	5925~7125MHz	-8.5

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

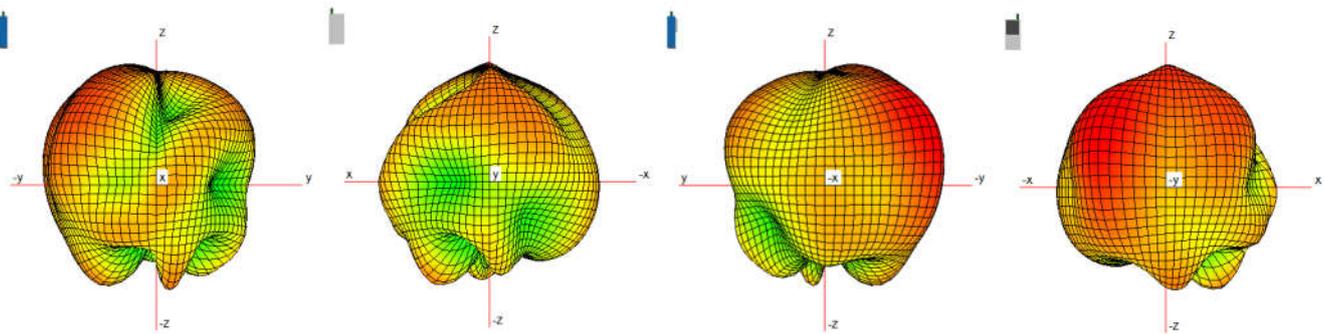
WIFI 2.4G (2450 MHz)



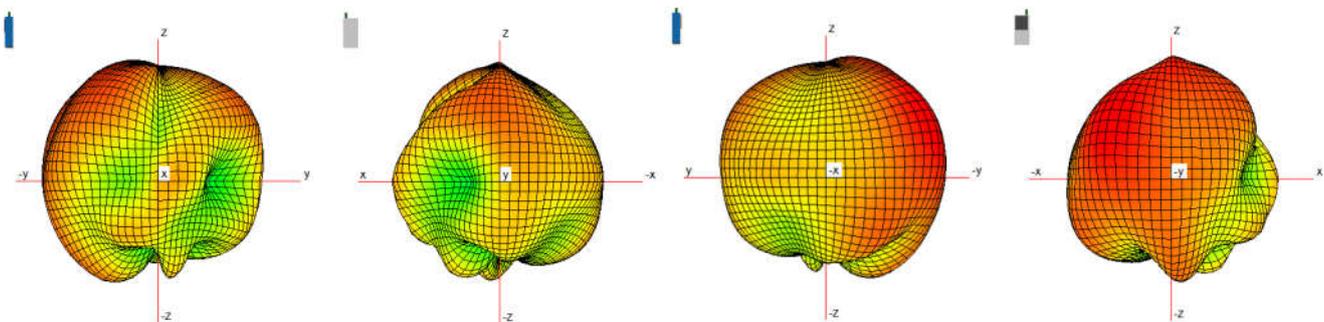
WIFI 5G (5200 MHz)



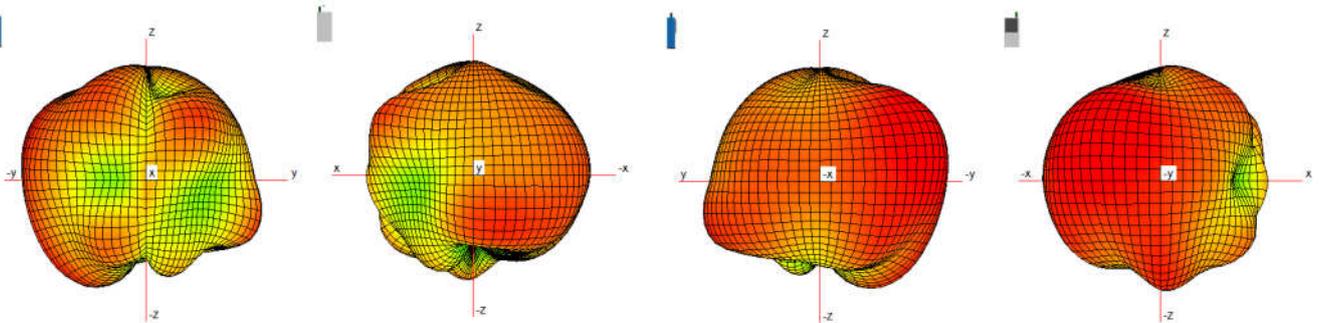
WIFI 5G (5300 MHz)



WIFI 5G (5500 MHz)



WIFI 5G (5800 MHz)



WIFI 6E (6200 MHz)

