

Antenna Test Report

BRAND NAME : Lenovo

MODEL NAME : SH1475-5G-1-A5
SH1475-5G-2-A4
5G-3-A0
SH1475-5G-4-A2

ANTENNA TYPE : PIFA

TEST LAB : GTS2800

TEST INSTRUMENT : SP9500 1.0.8.32SP2

TEST SOFTWARE : WAVE STUDIO1.6.9

INSTRUMENT CALIBRATION TIME : OCTOBER 7, 2022

MANUFACTURE : ZHEJIANG HAITONG COMMUNICATION
ELECTRONICS CO., LTD

MANUFACTURE ADDRESS : FLOOR 1, C5, NO. 2555, XIUPU ROAD,
PUDONG NEW DISTRICT, SHANGHAI

Tester: Lixin

Table of Contents

1. Peak Gain3
2. Gain Plots5

Antenna Report

1. TX Antenna Peak Gain

| Test / Position | Free Space | | | | | |
|-----------------|------------------|----------------------|-------|-------|--------------|-------|
| bands | Frequency | TX Antenna Peak Gain | | | | |
| | | Ant 1 | Ant 2 | Ant 3 | Ant 6 (ENDC) | Ant 7 |
| WCDMA Band 1 | 1922.6-1977.4MHz | | 2.88 | | | |
| WCDMA Band 5 | 824-849MHz | 0.04 | | | | |
| WCDMA Band 8 | 902.6 - 912.4MHz | -1.61 | | | | |
| LTE Band 1 | 1920-1980MHz | | 2.88 | | 0.39 | |
| LTE Band 3 | 1712.5-1782.5MHz | | 2.61 | | -0.18 | |
| LTE Band 5 | 1712.5-1752.5MHz | 0.04 | | | | |
| LTE Band 8 | 902.5-912.5MHz | -1.61 | | | | |
| LTE Band 11 | 1427.9-1462.9MHz | | | | | -3.98 |
| LTE Band 18 | 817.5-827.5MHz | 0.04 | | | | |
| LTE Band 26 | 824-849MHz | 0.04 | | | | |
| LTE Band 28 | 720.5-745.5MHz | -1.73 | | | | |
| LTE Band 41 | 2455-2650MHz | | 0.89 | | 0.92 | |
| LTE Band 42 | 3402.5-3597.5MHz | | | 0.21 | | |

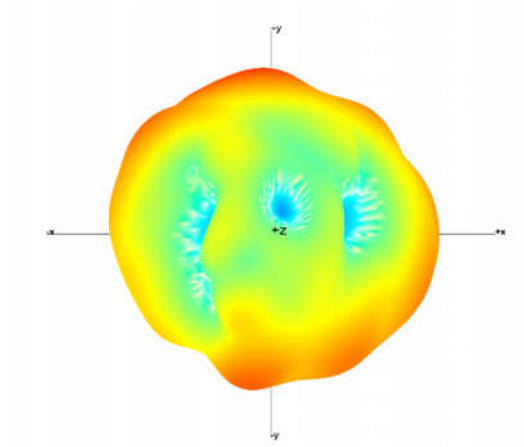
| Test / Position | Free Space | | | | |
|-----------------|--------------|----------------------|-------|--------------|--|
| bands | Frequency | TX Antenna Peak Gain | | | |
| | | Ant 1 | Ant 2 | Ant 6 (ENDC) | |
| n3 | 1710-1785MHz | | 2.61 | -0.18 | |
| n28 | 718-748MHz | -1.73 | | | |

| Test / Position | Free Space | | | | |
|-----------------|--------------|----------------------|-------|-------|--------|
| bands | Frequency | TX Antenna Peak Gain | | | |
| | | Ant 3 | Ant 4 | Ant 7 | Ant 11 |
| n77 | 3400-4100MHz | 0.32 | 0.09 | 0.13 | -2.11 |
| n78 | 3400-3800MHz | 0.32 | 0.09 | 0.13 | -2.11 |

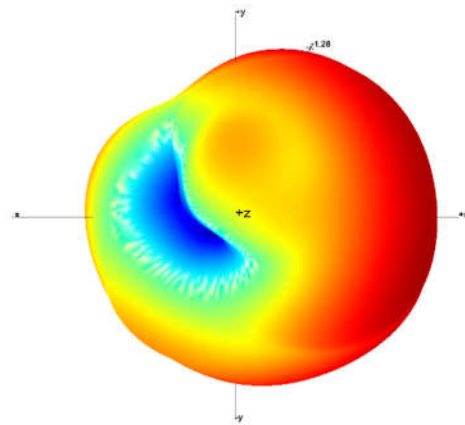
Antenna Report

| Test / Position | Free Space | | | |
|-----------------|--------------|----------------------|--|--|
| bands | Frequency | TX Antenna Peak Gain | | |
| | | Ant 10 | | |
| BT | 2402-2480MHz | -0.77 | | |
| WiFi 2.4G | 2410-2477MHz | -0.77 | | |
| WiFi 5G band1 | 5150-5250MHz | -0.46 | | |
| WiFi 5G band2 | 5250-5350MHz | -1.17 | | |
| WiFi 5G band3 | 5470-5725MHz | -0.01 | | |
| WiFi 5G band4 | 5725-5850MHz | -1.01 | | |

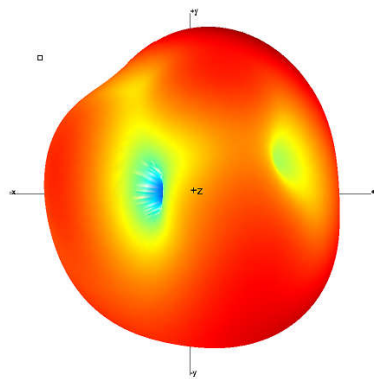
2. Gain Plots



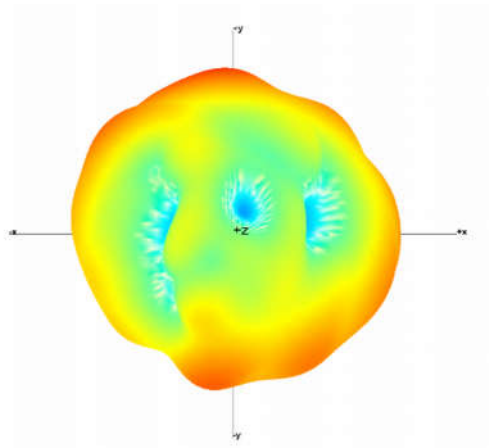
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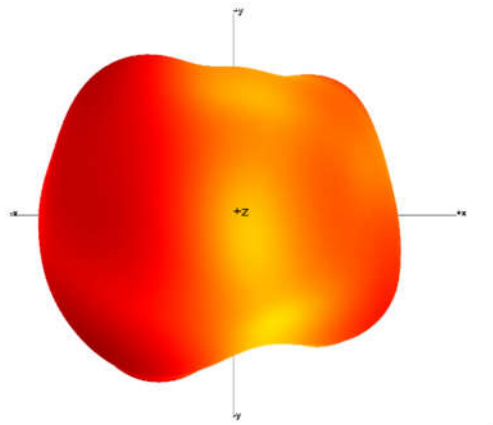
WCDMA B5



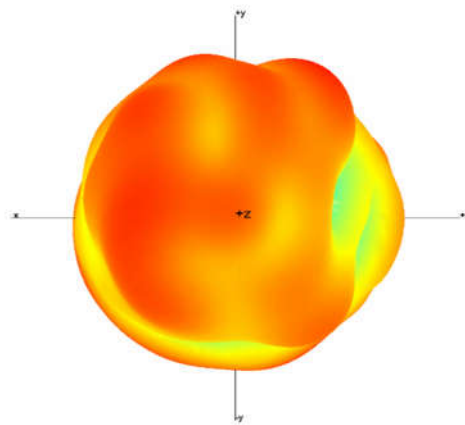
WCDMA B8



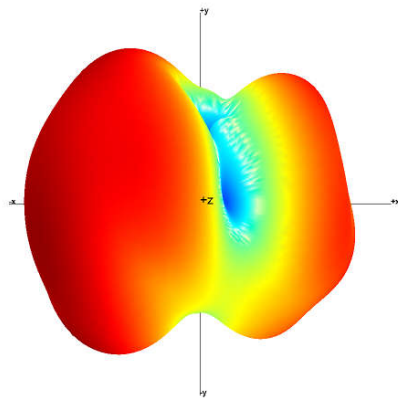
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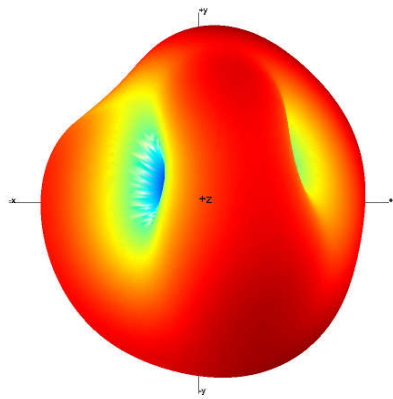
LTE B1_2



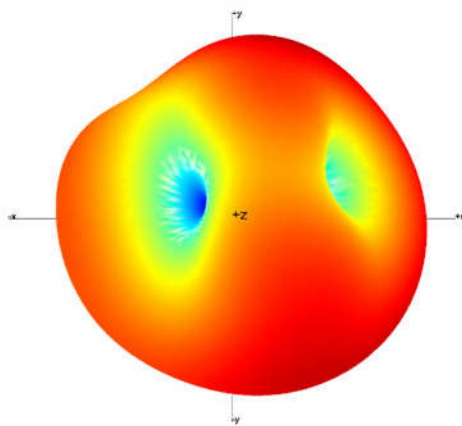
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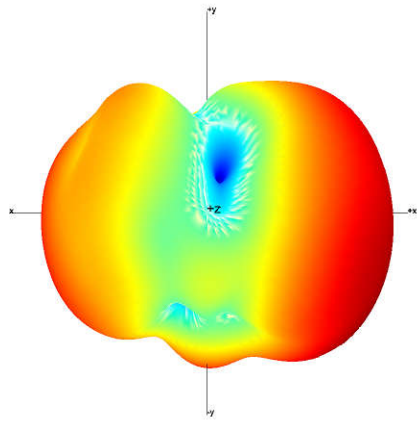
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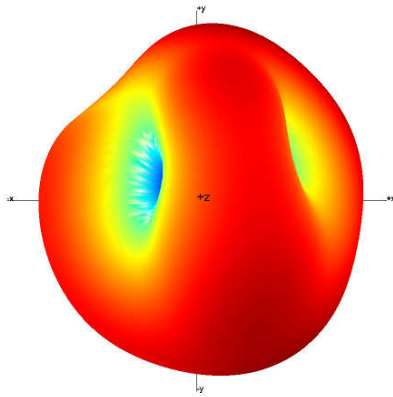
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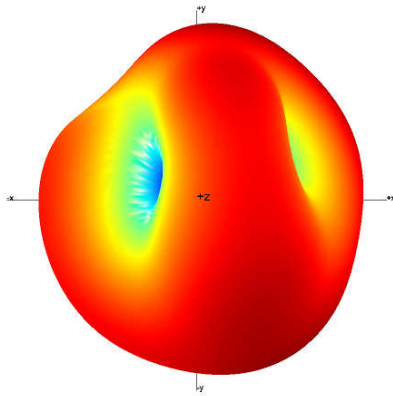
LTE B8



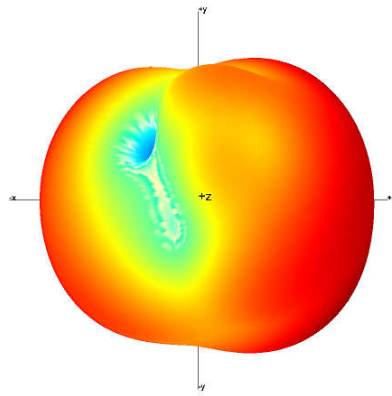
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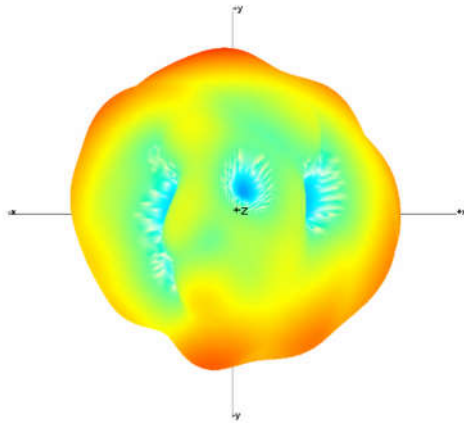
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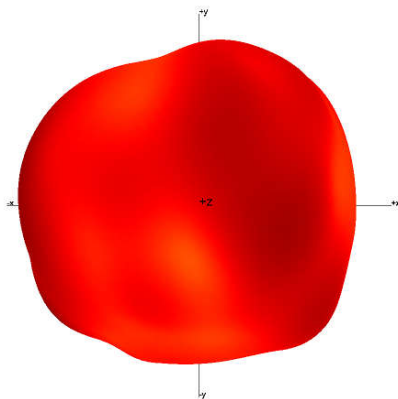
LTE Band26



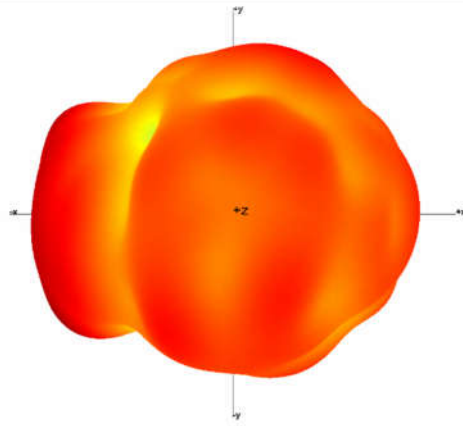
LTE B28



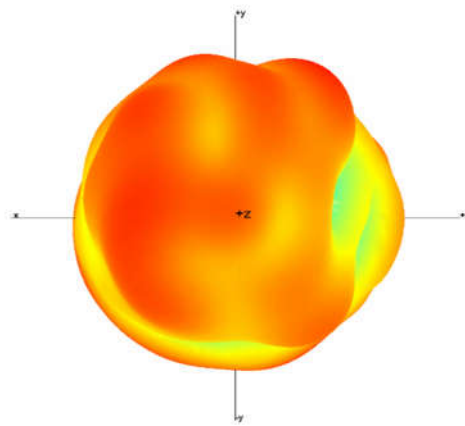
LTE B41_1



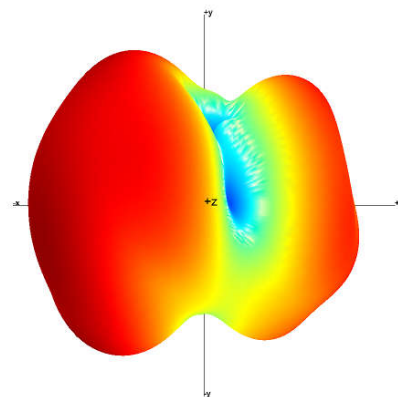
LTE B41_2



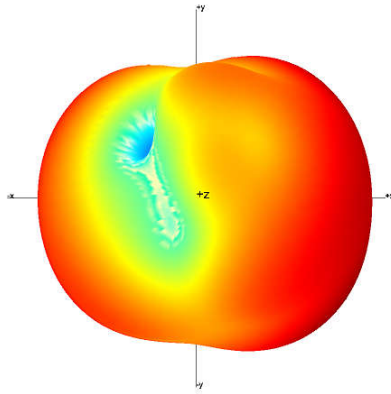
LTE B42



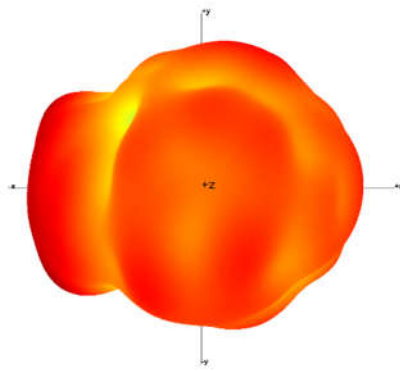
N3_1



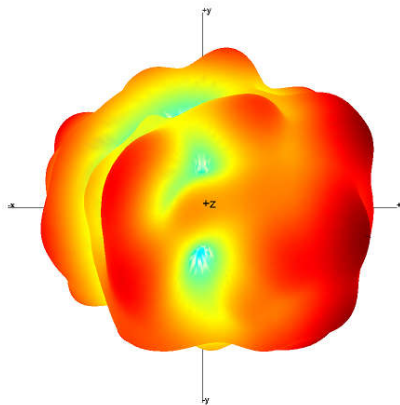
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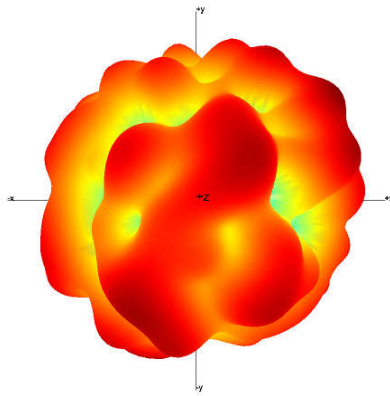
N28



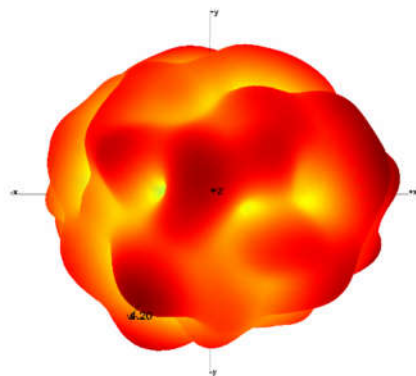
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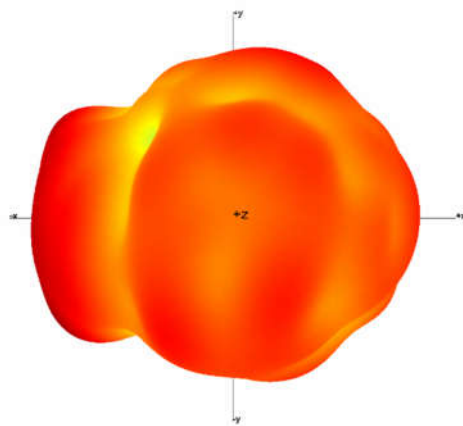
N77_2



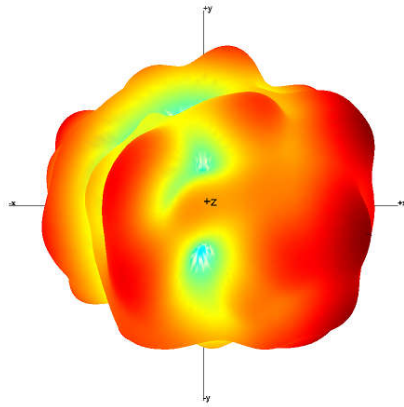
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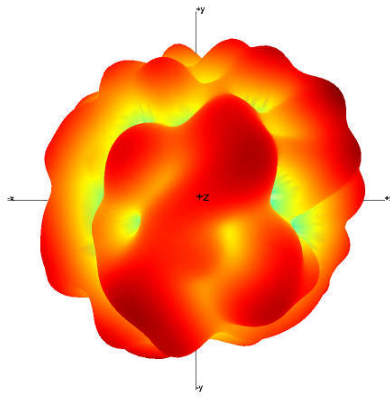
N77_4



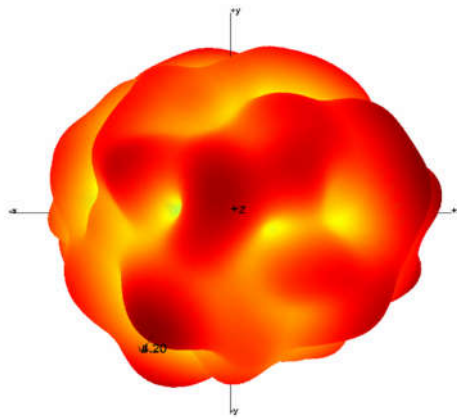
N78_1



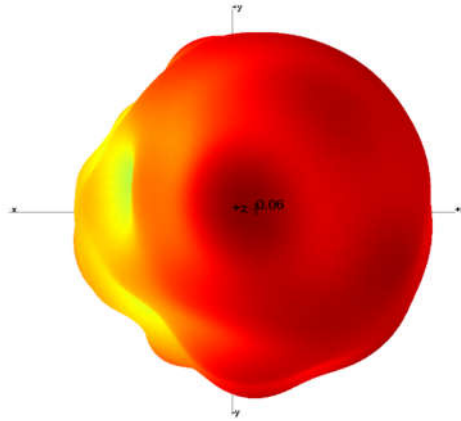
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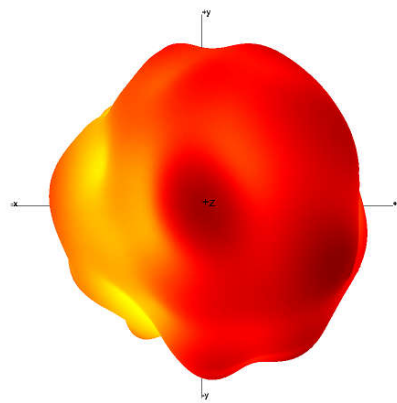
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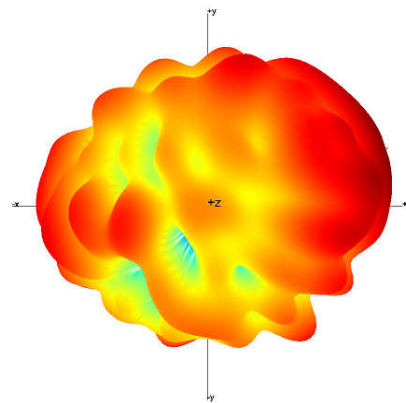
N78_4



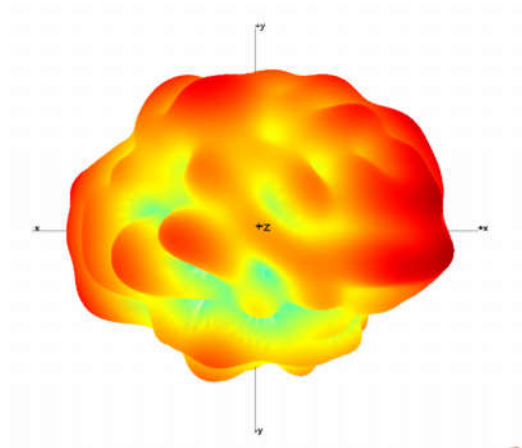
BT



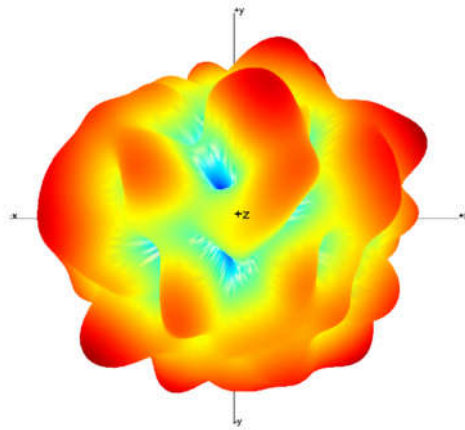
WIFI 2.4G



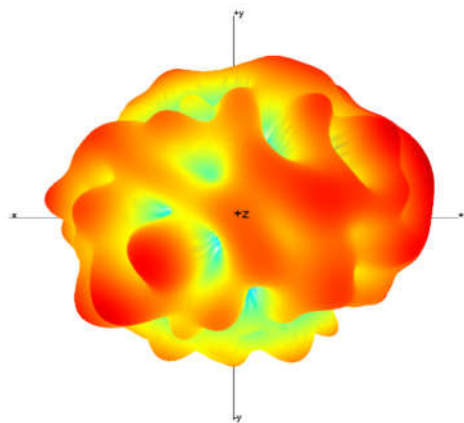
WIFI 5G W52



WIFI 5G W53



WIFI 5G W56



WIFI 5G W58