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# Antenna Reports

**Antenna vendor:** ShenZhen Sunway Communication Co.,Ltd. /

Huizhou Speed Wireless technology Co.,Ltd.

**Test lab:** GTS 2800

**Test Instrument:** E5071C/CMW500

**Test Environment:** Temperature 26℃ Humidity 45%

**Antenna model name:** GPS&WIFI&BT Antenna

**Antenna type:** PIFA

**Antenna model name:** Main Antenna

**Antenna type:** PIFA

**Antenna model name:** Diversity Antenna

**Antenna type:** PIFA

**Issue date:** 2022-8-12

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## Peak Gain

| BT/WLAN Peak Gain (dBi) |      |              |      |
|-------------------------|------|--------------|------|
| 2400~2483.5MHz          | -1.5 | 5470~5725MHz | -1.6 |
| 5150~5250MHz            | -1.7 | 5725~5850MHz | -1.6 |
| 5250~5350MHz            | -1.7 |              |      |

| BAND    | Peak Gain(dBi) |
|---------|----------------|
| GSM850  | -2.5           |
| GSM900  | -2.3           |
| GSM1800 | -1.2           |
| GSM1900 | -1.1           |

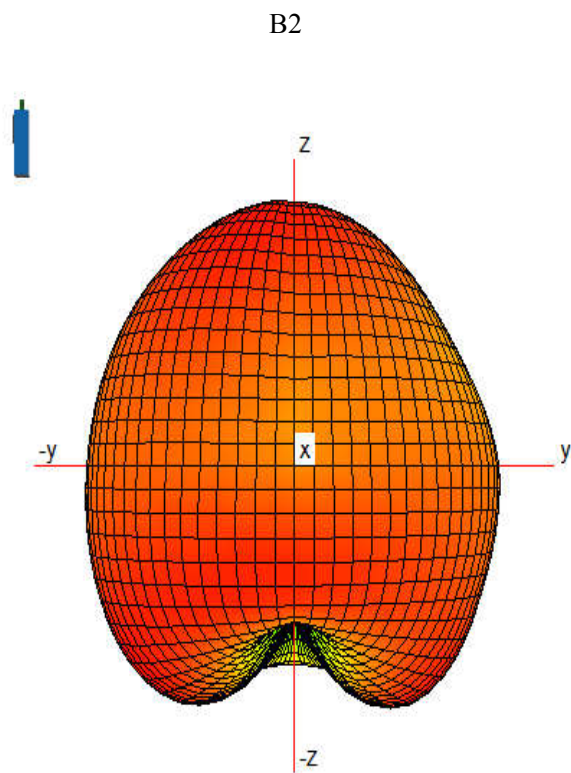
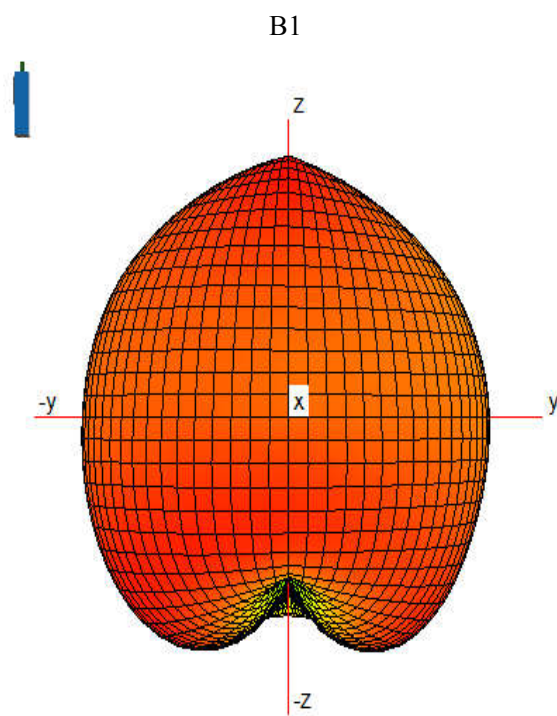
| BAND      | Peak Gain(dBi) |
|-----------|----------------|
| WCDMA B1  | -1             |
| WCDMA B2  | -1.1           |
| WCDMA B5  | -2.5           |
| WCDMA B6  | -2.5           |
| WCDMA B8  | -2.3           |
| WCDMA B19 | -2.5           |

| BAND    | Peak Gain(dBi) |
|---------|----------------|
| LTE B1  | -1             |
| LTE B2  | -1.1           |
| LTE B3  | -1.2           |
| LTE B4  | -1.2           |
| LTE B5  | -2.5           |
| LTE B7  | -0.2           |
| LTE B8  | -2.3           |
| LTE B19 | -2.5           |
| LTE B20 | -2.4           |
| LTE B26 | -2.5           |
| LTE B28 | -3.7           |
| LTE B38 | -0.2           |
| LTE B40 | -0.5           |
| LTE B41 | -0.2           |

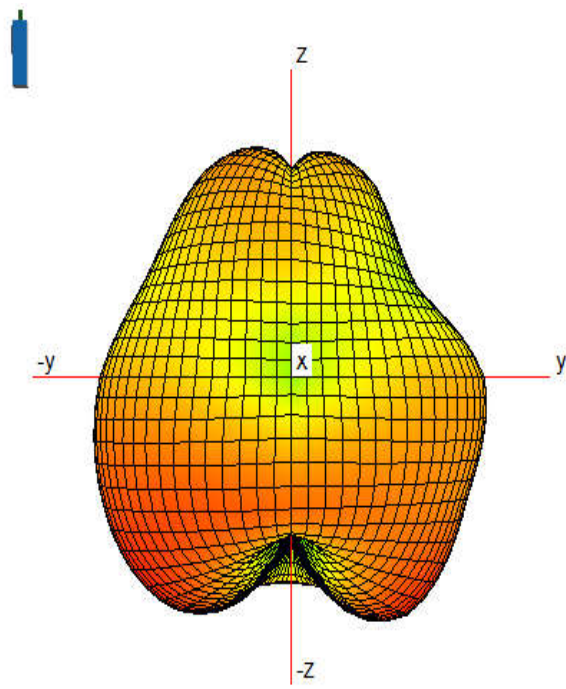
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**Test Environment: GTS2800**

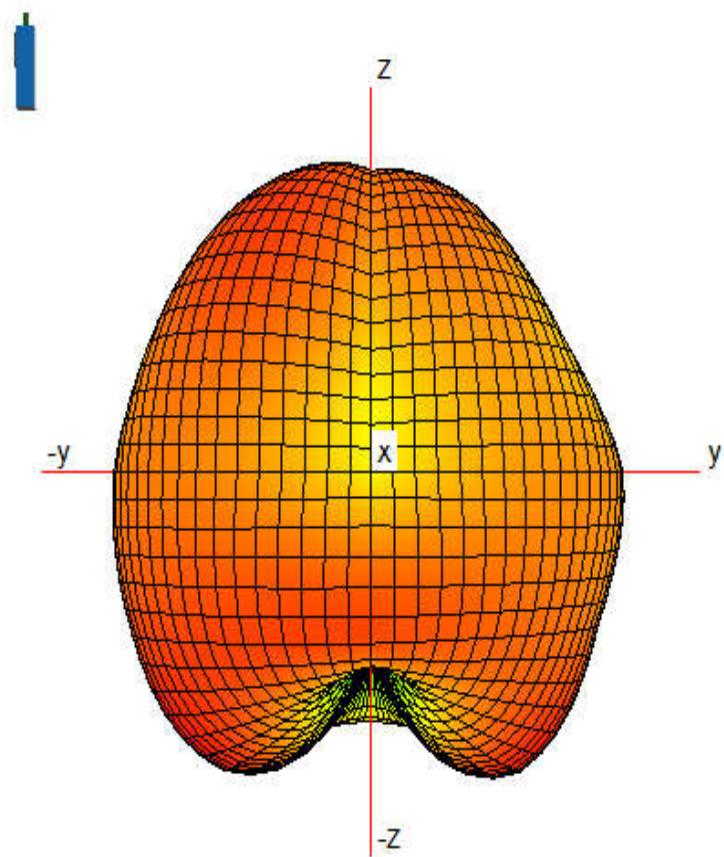
**Directional Pattern**



B3

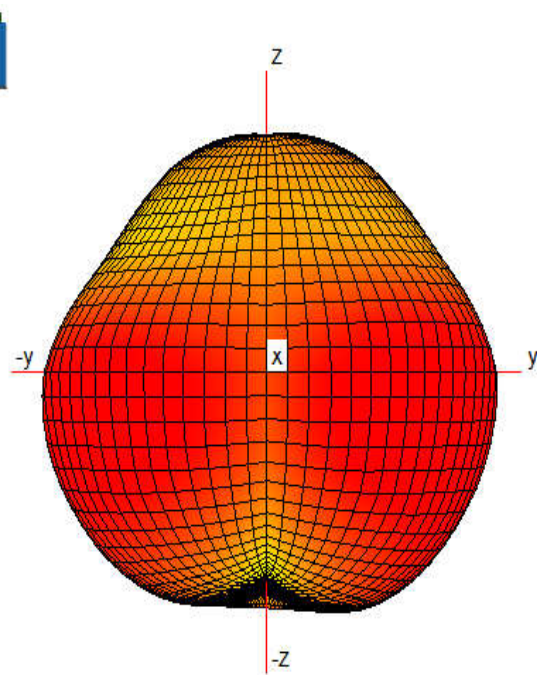


B4

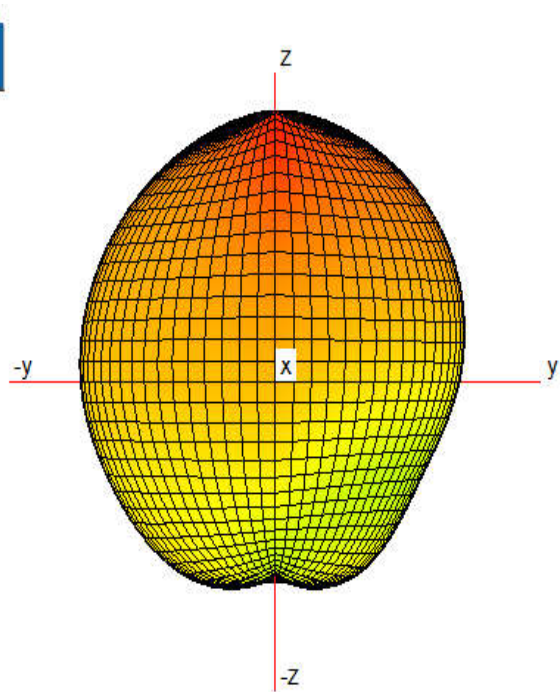


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B5

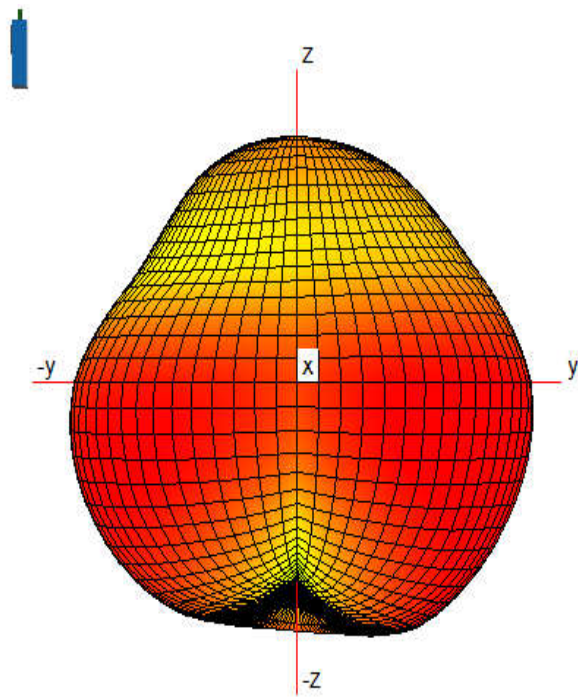


B7

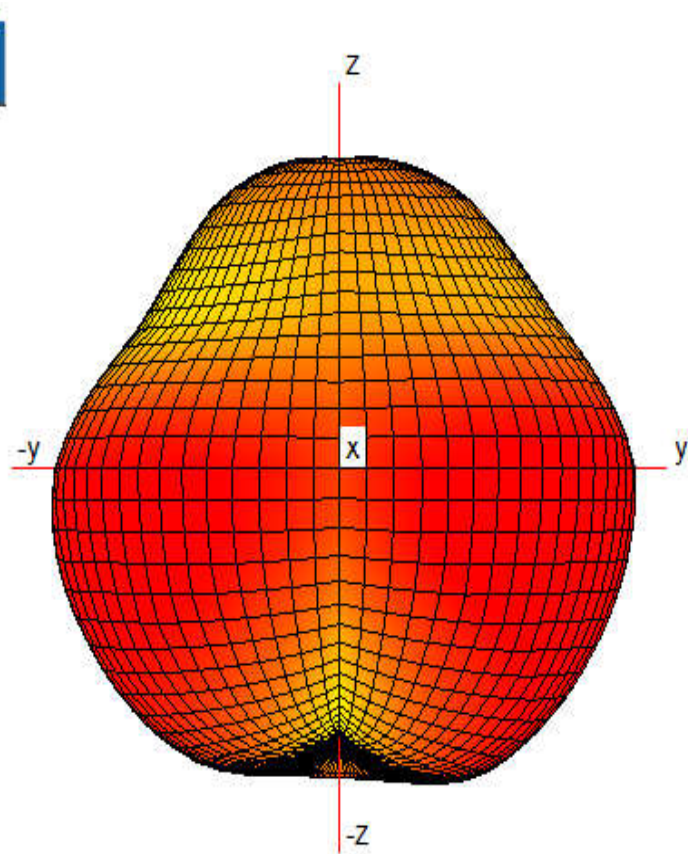


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B8

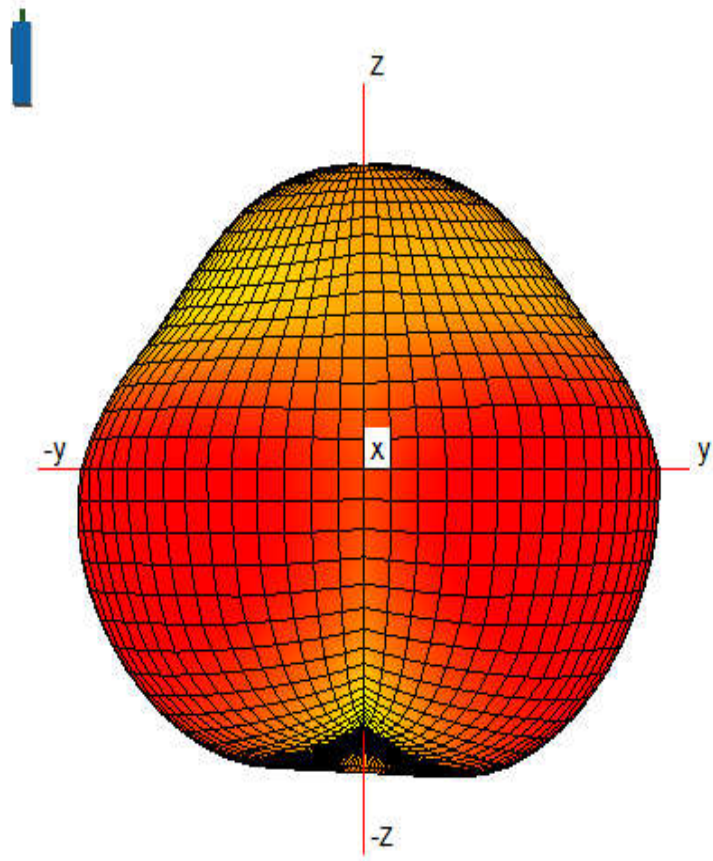


B19

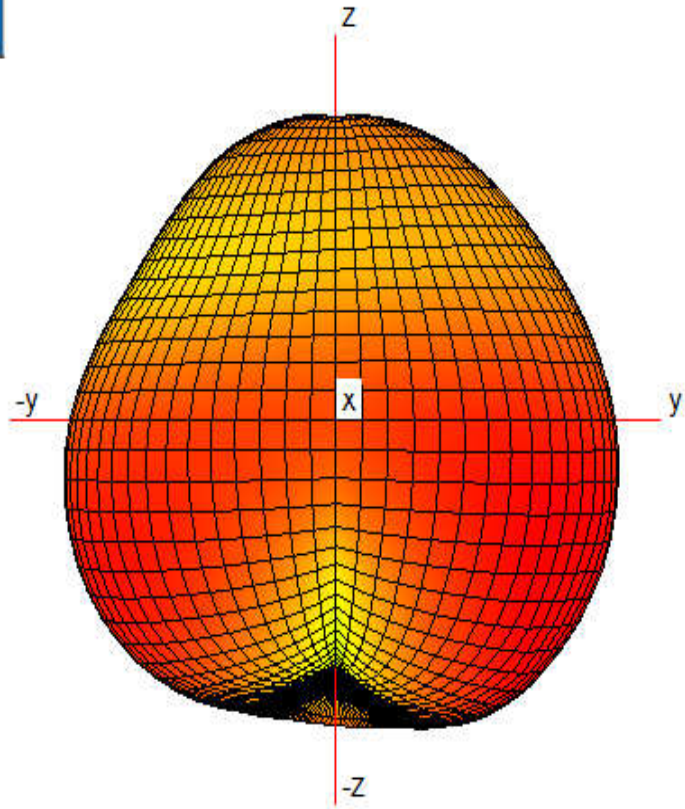


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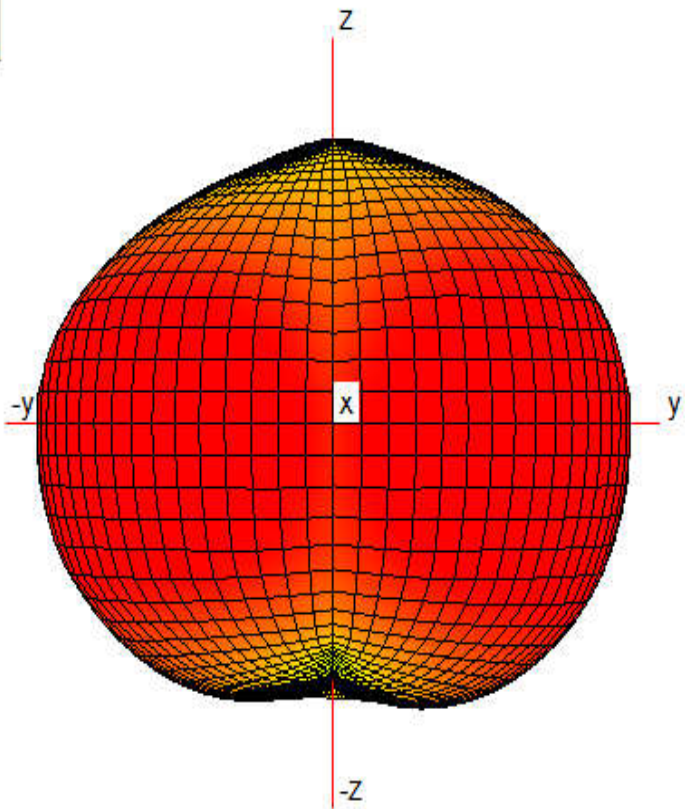
B20



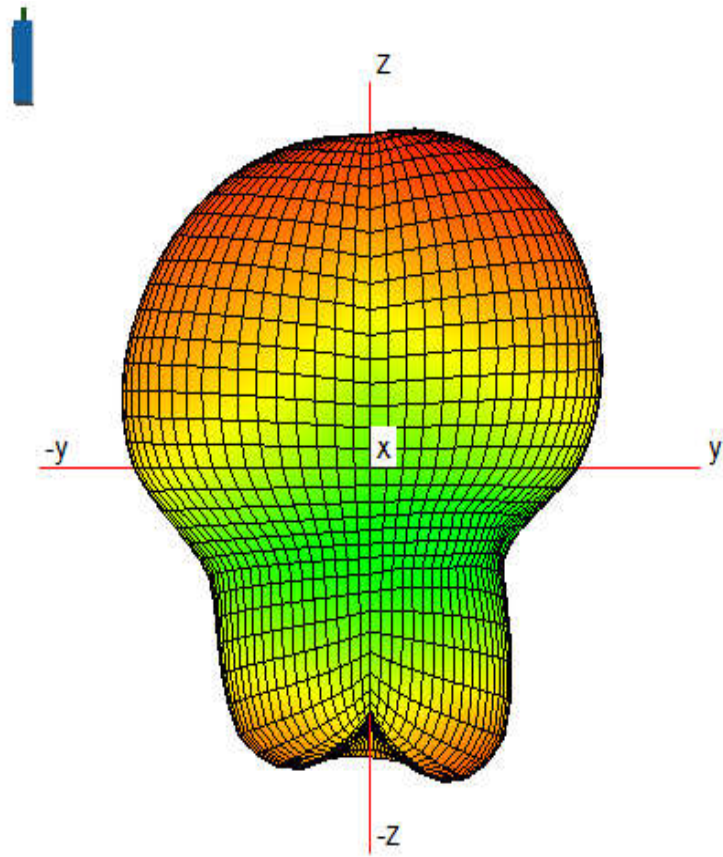
B26



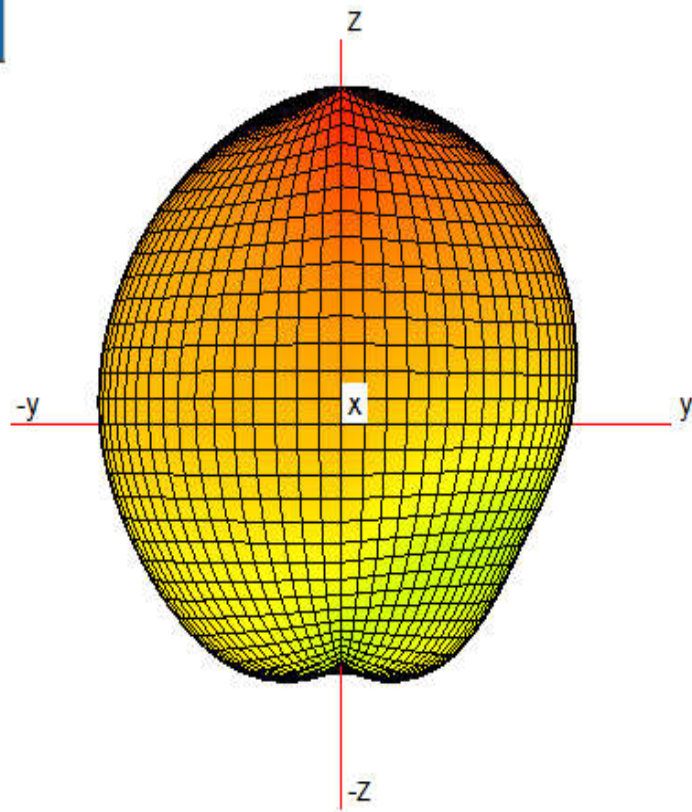
B28



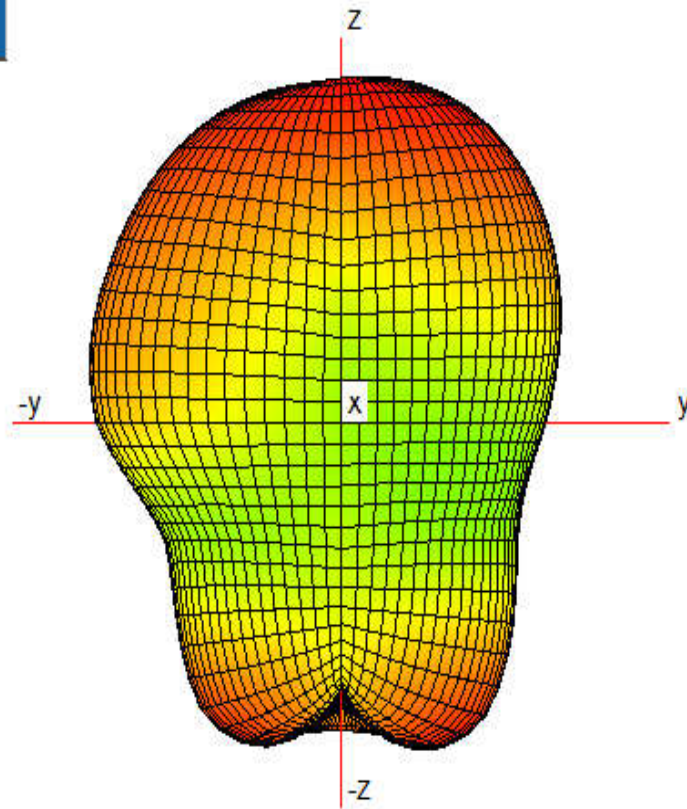
B38



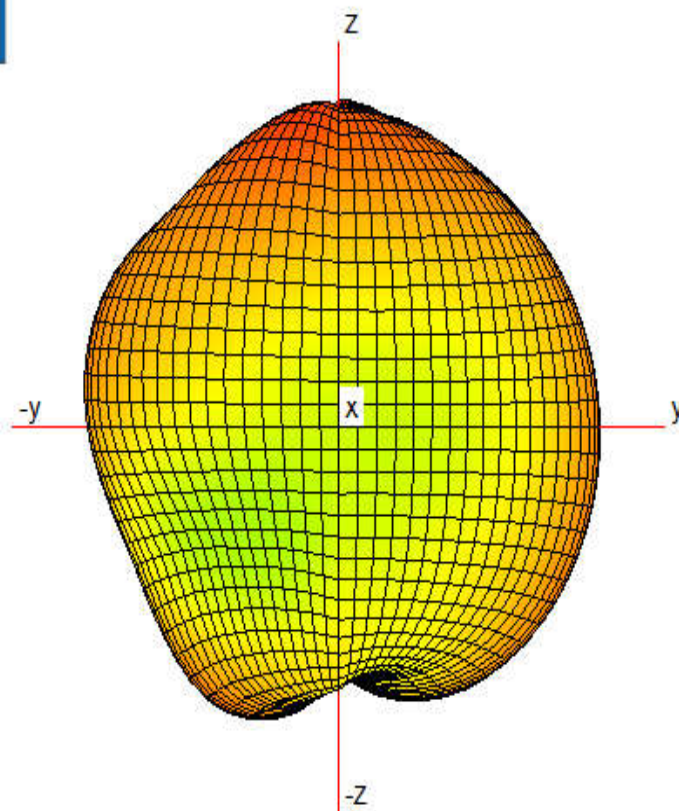
B40



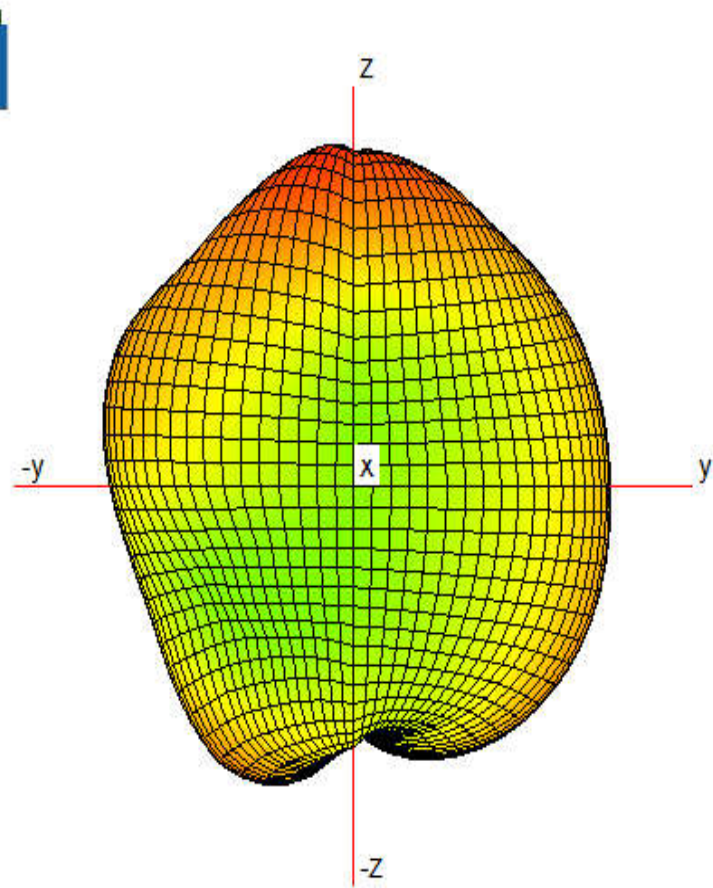
B41



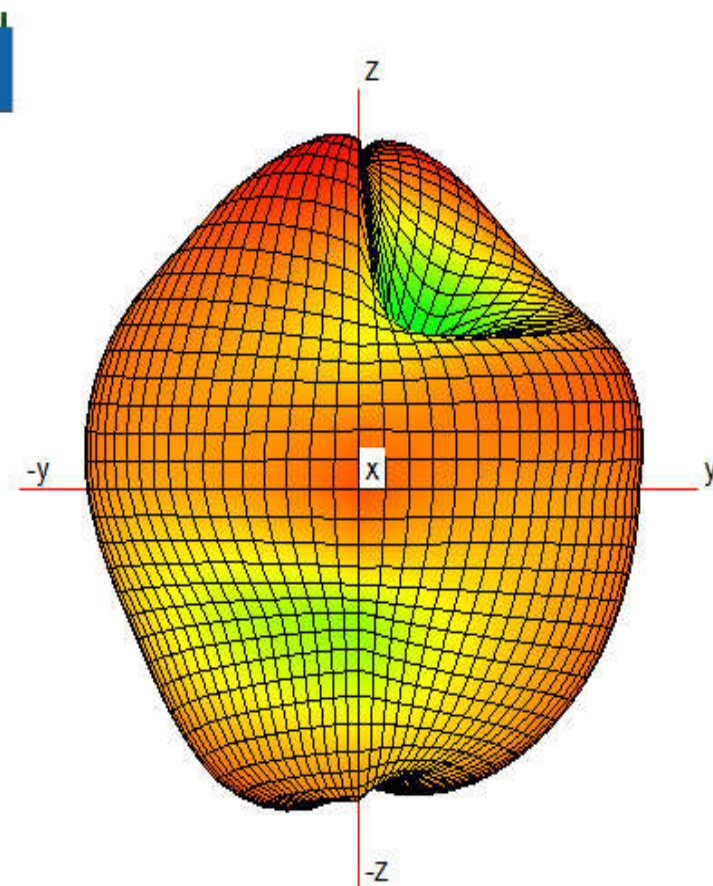
WiFi 2.42G



WiFi 2.45G

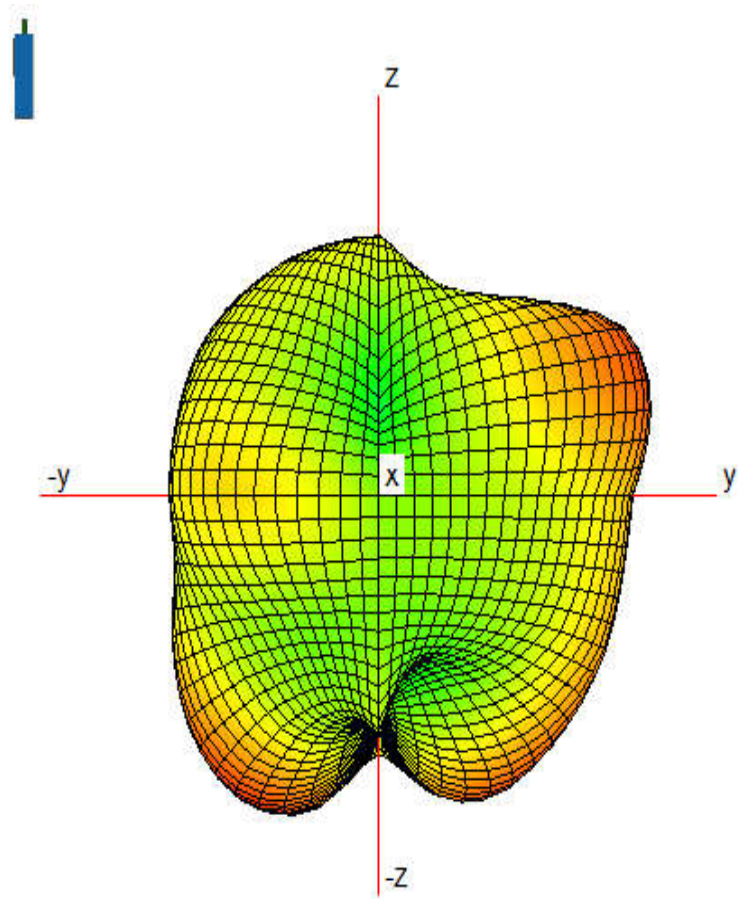


WiFi 2.48G

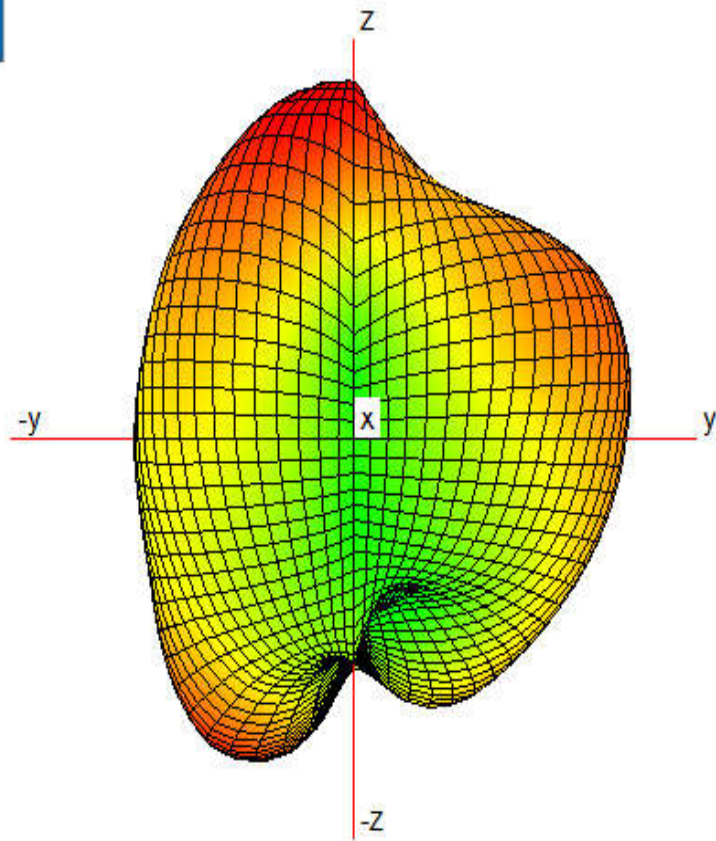


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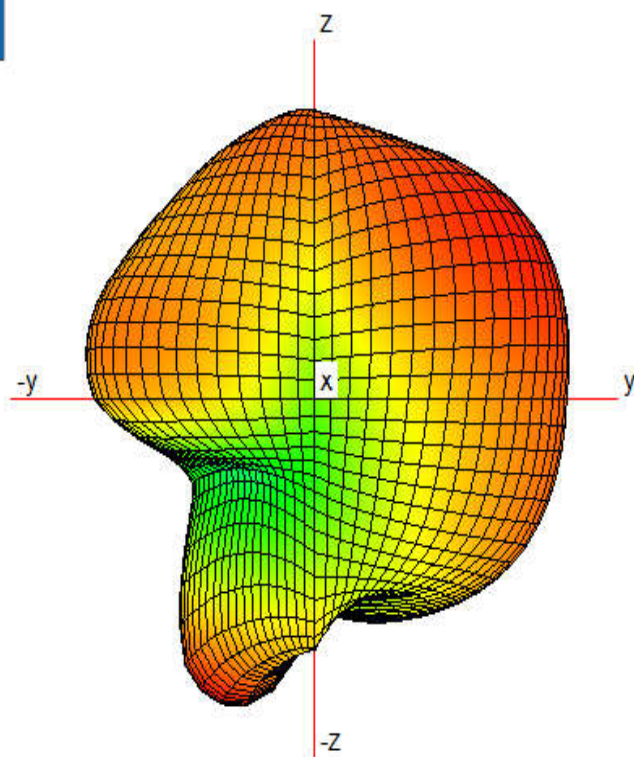
WIFI 5150MHZ



WIFI 5300MHz



WIFI 5500MHz



WIFI 5800MHz

