

<http://www.szsyjc.com>

PART NAME            2.4G/5G black PCB Antenna L=170mm

P/ N YJC-6N170-B12

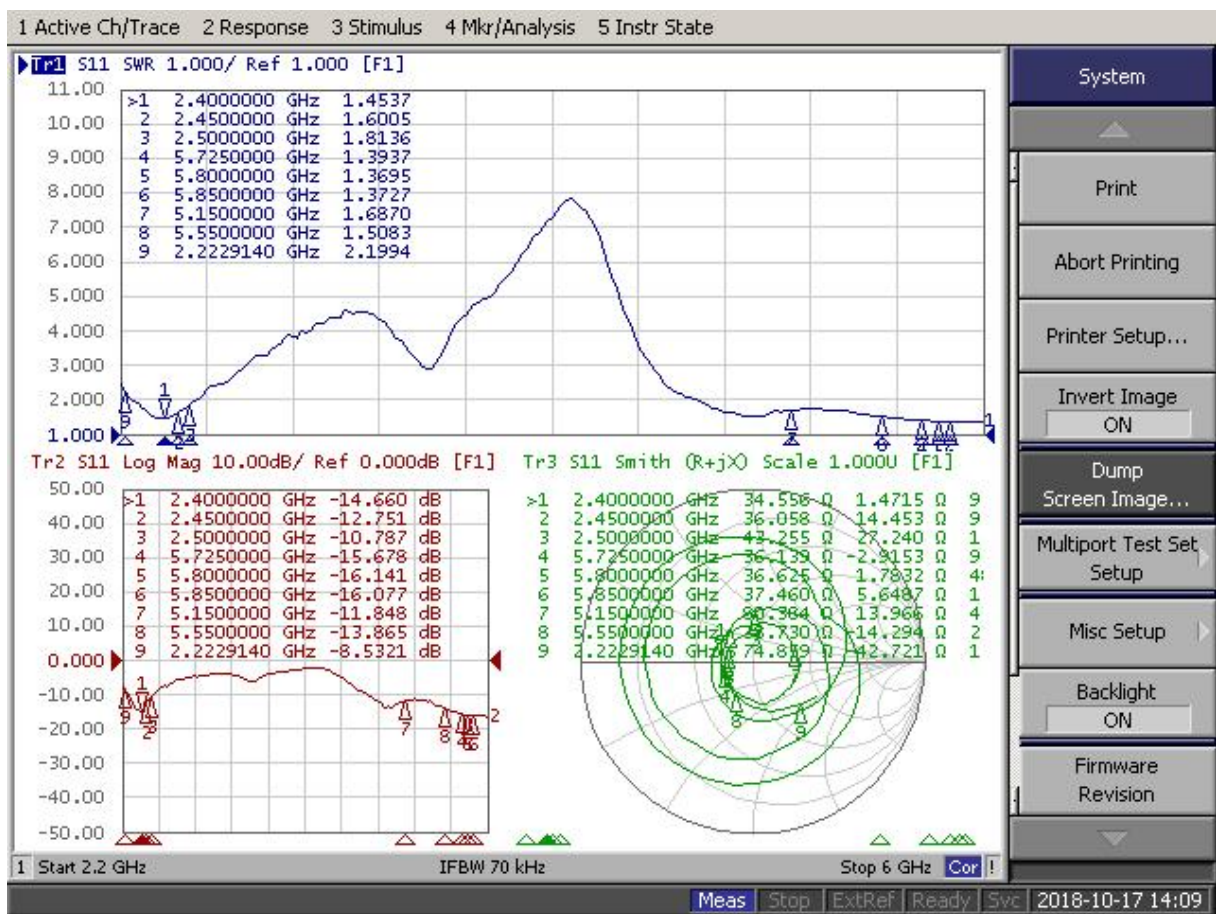
Manufacturer: Shenzhen Yingjiachuang Electronic Technology Co., Ltd.

Address: Building C, Hongyu Guangming Valley, No. 11, Youma Gang Road, Ma  
Tian Street, Guangming District, Shenzhen

| Electrical Specifications |                                   |
|---------------------------|-----------------------------------|
| Frequency Range           | 2400-2500/5150-5250/5725-5850 MHz |
| VSWR                      | <1.92                             |
| Input Impedance           | 50 Ω                              |
| Direction                 | All                               |
| Gain                      | 4.08 dBi                          |
|                           |                                   |
| Wire color                | Gray                              |
| Input connector           | Black                             |
| Outline length            | 170 mm                            |
| Working Temperature       | -20℃~+70℃                         |
| Working Humidity          | 20%~80%                           |



Antenna performance test diagram

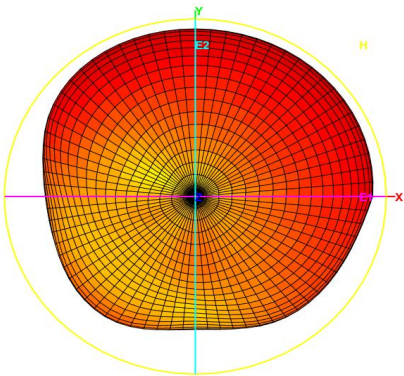


2D.3D 2.4G test data

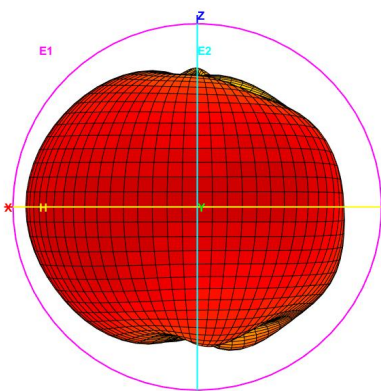
2.4G test data

| Frequency | Efficiency (%) | Gain. (dBi) |
|-----------|----------------|-------------|
| 2400MHz   | 60.39          | 3.55        |
| 2410MHz   | 61.24          | 3.57        |
| 2420MHz   | 61.66          | 3.57        |
| 2430MHz   | 63.68          | 3.72        |
| 2440MHz   | 63.10          | 3.61        |
| 2450MHz   | 63.24          | 3.70        |
| 2460MHz   | 63.39          | 3.74        |
| 2470MHz   | 63.10          | 3.84        |
| 2480MHz   | 63.97          | 3.94        |
| 2490MHz   | 65.01          | 4.08        |
| 2500MHz   | 62.37          | 3.97        |

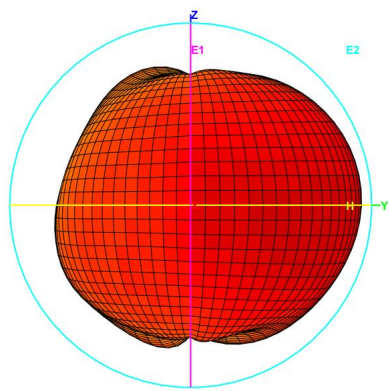
Total\_3D\_H\_2.4GHz



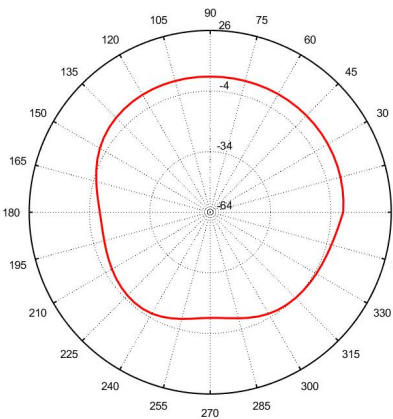
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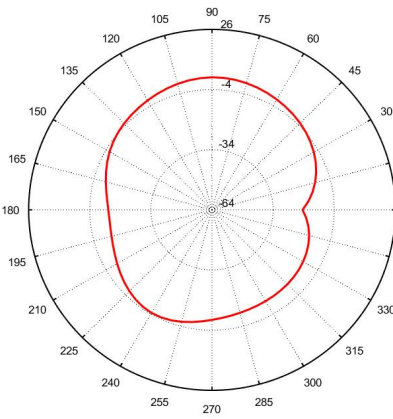
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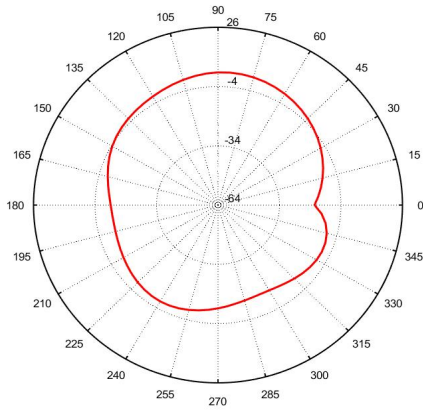
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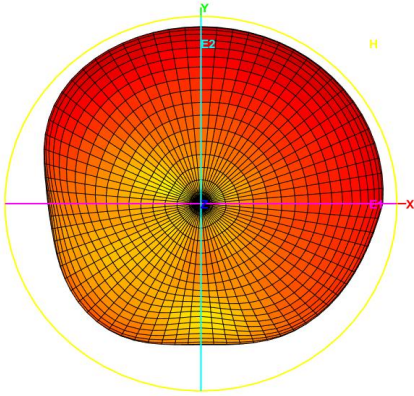
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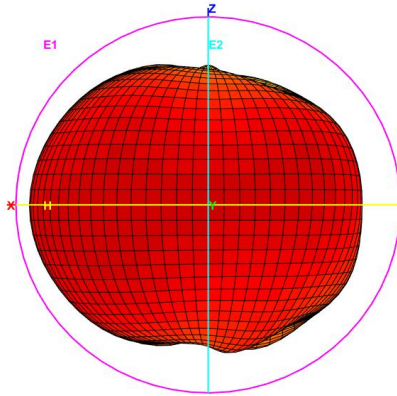
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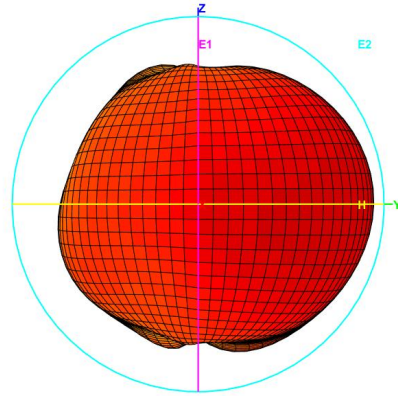
Total\_3D\_H\_2.45GHz



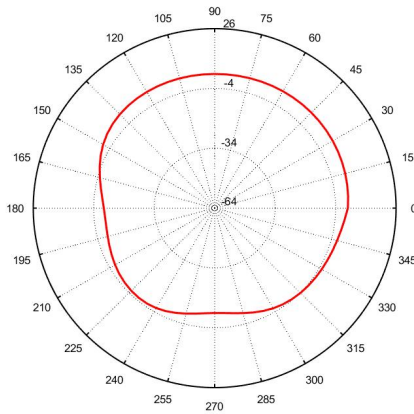
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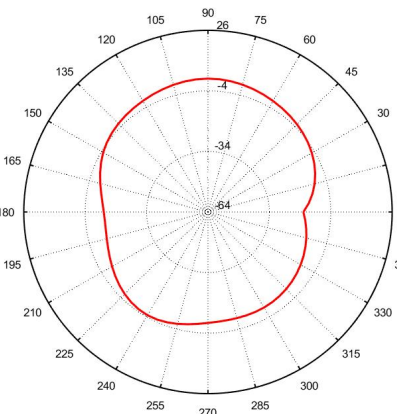
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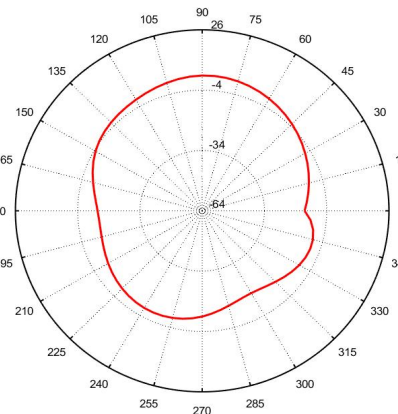
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Total\_Polar\_E1\_2.45GHz

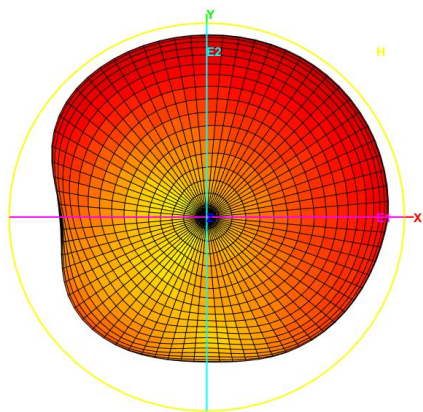


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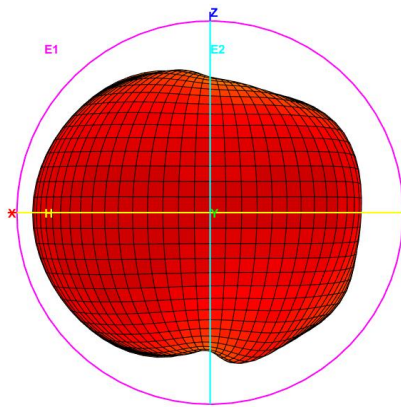




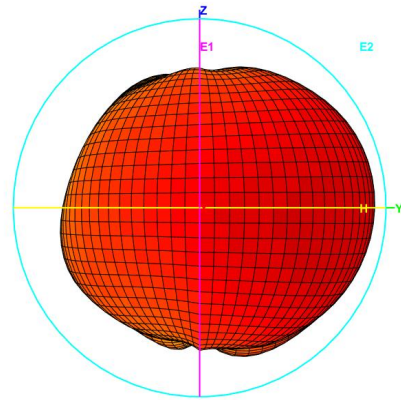
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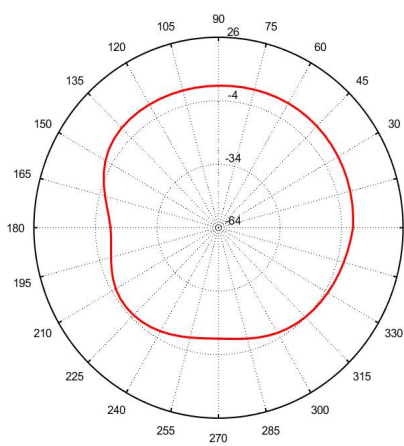
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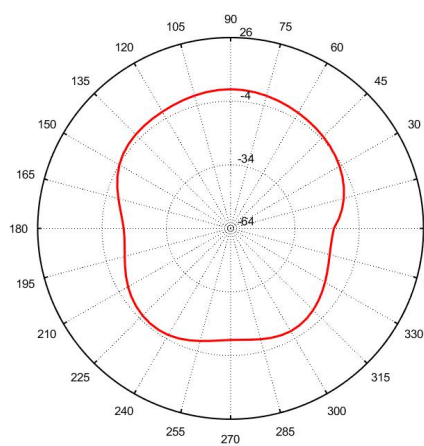
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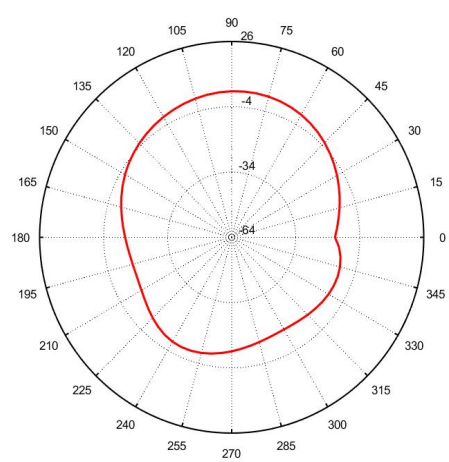
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Total\_Polar\_E1\_2.5GHz



Total\_Polar\_E2\_2.5GHz

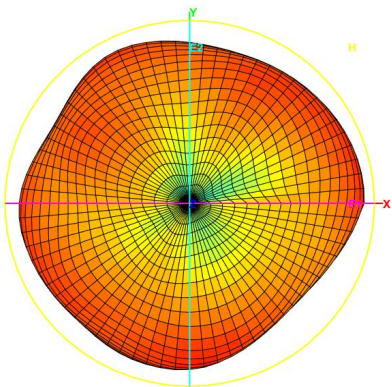


2D、3D test data:

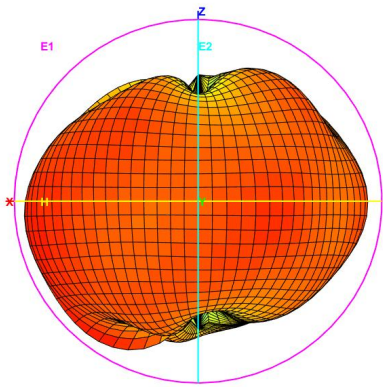
5.8G test data:

| Frequency | Efficiency (%) | Gain. (dBi) |
|-----------|----------------|-------------|
| 5.15GHz   | 70.79          | 2.18        |
| 5.25GHz   | 66.53          | 2.62        |
| 5.35GHz   | 62.09          | 2.60        |
| 5.45GHz   | 63.68          | 2.53        |
| 5.55GHz   | 56.10          | 2.46        |
| 5.65GHz   | 58.88          | 2.87        |
| 5.75GHz   | 64.57          | 3.24        |
| 5.85GHz   | 59.02          | 3.31        |

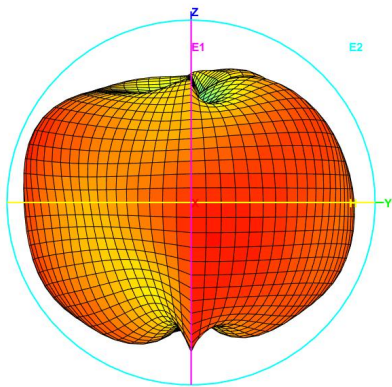
Total\_3D\_H\_5.15GHz



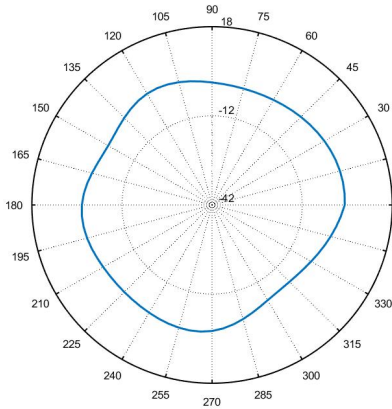
Total\_3D\_E1\_5.15GHz



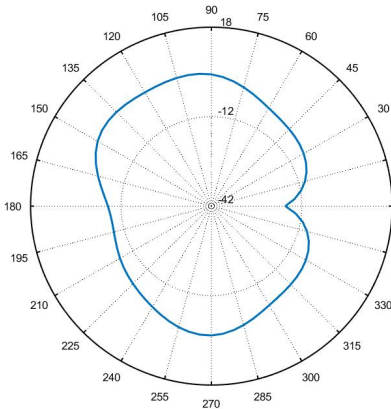
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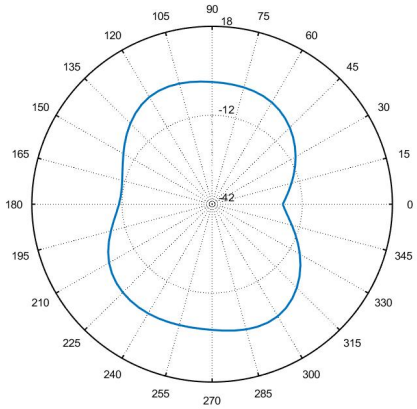
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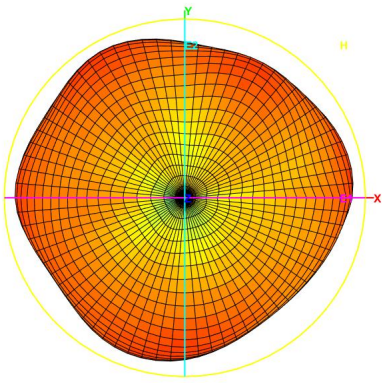
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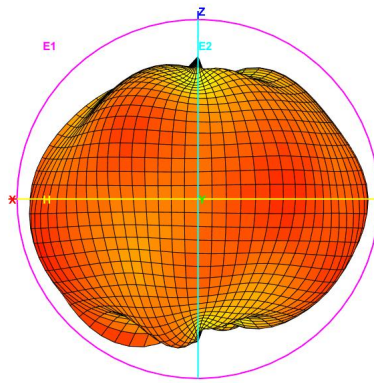
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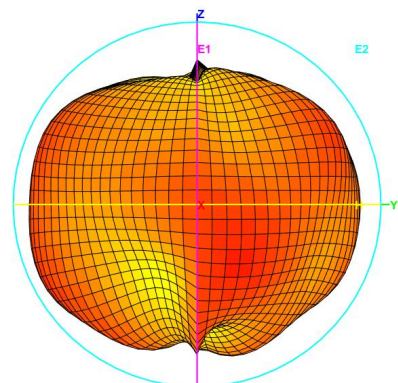
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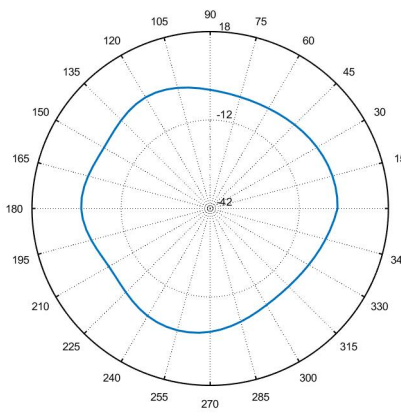
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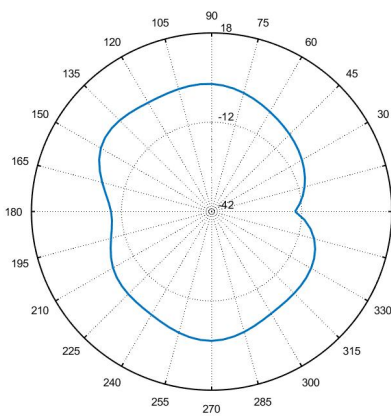
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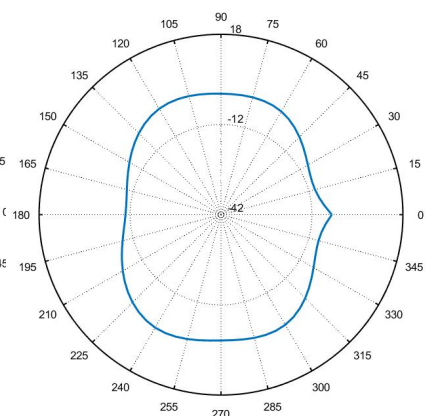
Total\_Polar\_H\_5.45GHz



Total\_Polar\_E1\_5.45GHz

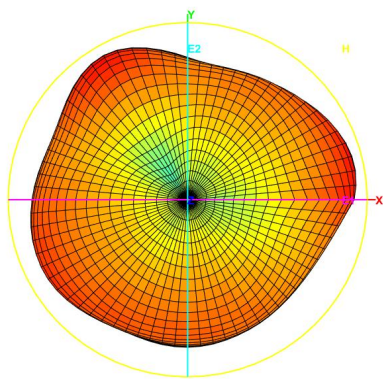


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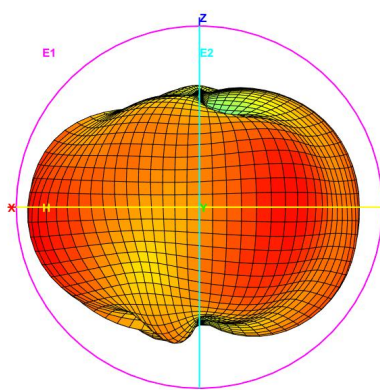




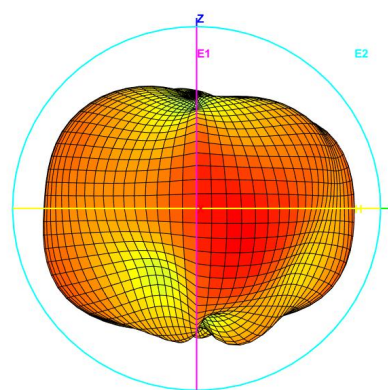
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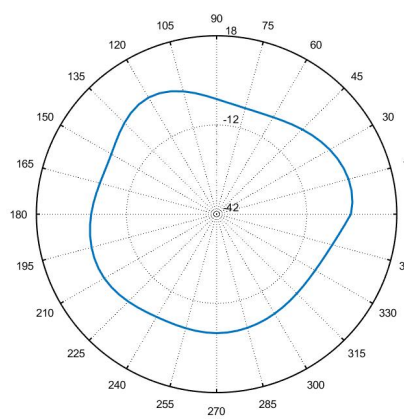
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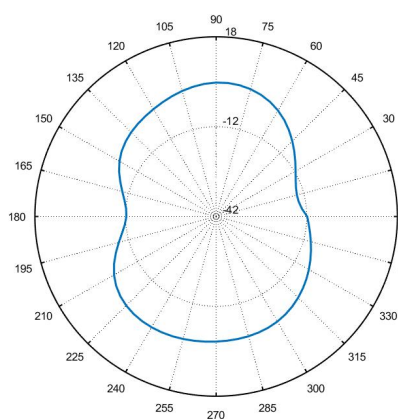
Total\_3D\_E2\_5.85GHz



Total\_Polar\_H\_5.85GHz



Total\_Polar\_E1\_5.85GHz



Total\_Polar\_E2\_5.85GHz

