

# L Band & 2.4G & S Band Antenna

## MODEL: TH-1325C



### 1.. GENERAL DESCRIPTION

| Model No       |
|----------------|
| TH1325C-SMA(M) |

### 1.1 Electrical Properties

| Parameter         | Description  |
|-------------------|--------------|
| Frequency Band    | 1350~3000Mhz |
| Nominal Impedance | 50 ohm       |
| Polarization      | Vertical     |
| V.S.W.R           | 2.5:1        |

### 1.2 Mechanical Properties

| Parameter                   | Description          |
|-----------------------------|----------------------|
| Antenna Type                | External Antenna     |
| Material                    | ASA                  |
| Touch Type                  | Screw Type           |
| Connector Type              | SMA connector (Male) |
| Antenna Dimensions          | Ø16 x 145mm ±3       |
| Weight                      | 45g                  |
| Antenna Color               | Black                |
| Operating Temperature Range | -40°C~+85°C          |
| Storage Temperature Range   | -40°C~+85°C          |

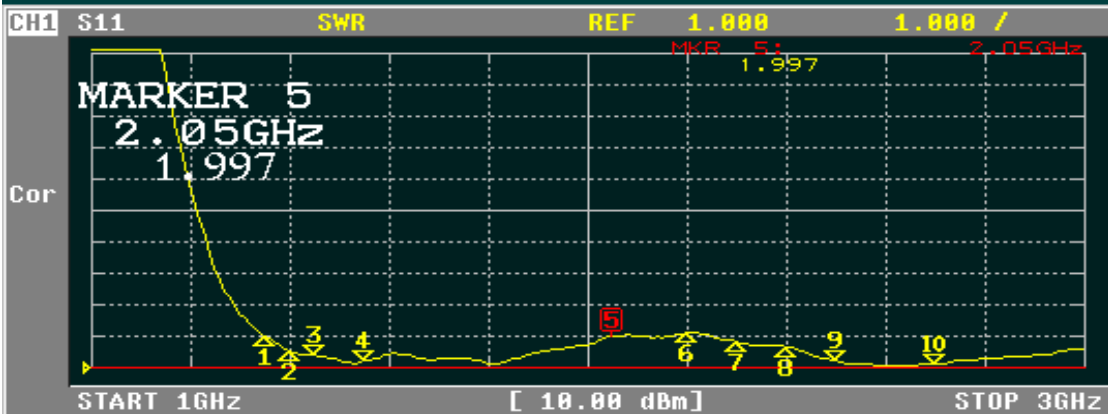
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| NO. | NAME        | Q, TY |
|-----|-------------|-------|
| 01  | ASA-UV Tube | 01    |
| 02  | SMA(M)      | 01    |
|     |             |       |



|                            |                   |            |              |              |          |         |          |          |
|----------------------------|-------------------|------------|--------------|--------------|----------|---------|----------|----------|
| <br>Third angle projection | CUSTOMER'S        | MODEL      | PARTS NUMBER | FREQUENCY    | UNIT     | SCALE   | DATE     | VERSION  |
|                            |                   | TH-1325C   |              | 1350~3Ghz    | M/M      |         | 20231212 | 1        |
|                            | TOLERANCE         | X.XX±0.15  | NAME         | PARTS NUMBER | APPROVED | CHECKED | DRAWING  | DESIGNED |
|                            | SURFACE ROUGHNESS | $\sqrt{S}$ | APPEARANCE   |              |          |         |          |          |





CH1 MARKER LIST

|     |              |       |
|-----|--------------|-------|
| 1:  | 1.350 000GHZ | 2.005 |
| 2:  | 1.400 000GHZ | 1.530 |
| 3:  | 1.450 000GHZ | 1.405 |
| 4:  | 1.550 000GHZ | 1.209 |
| 5:  | 2.050 000GHZ | 1.998 |
| 6:  | 2.200 000GHZ | 2.098 |
| 7:  | 2.300 000GHZ | 1.826 |
| 8:  | 2.400 000GHZ | 1.668 |
| 9:  | 2.500 000GHZ | 1.206 |
| 10: | 2.700 000GHZ | 1.101 |

ACTIVATE MARKER

MARKER 1

MARKER 2

MARKER 3

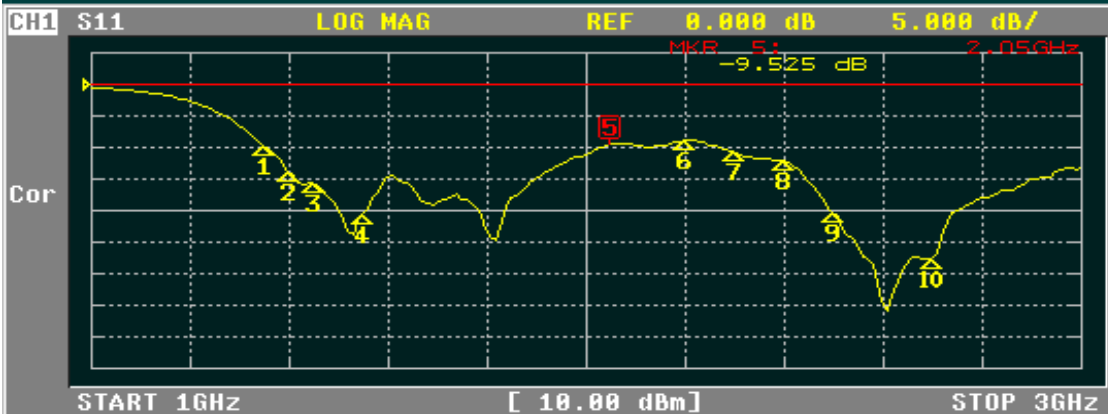
MARKER 4

MARKER 5

ACTIVATE MKR OFF

Return

More 1/2



CH1 MARKER LIST

|     |              |            |
|-----|--------------|------------|
| 1:  | 1.350 000GHZ | -9.713 dB  |
| 2:  | 1.400 000GHZ | -13.731 dB |
| 3:  | 1.450 000GHZ | -15.465 dB |
| 4:  | 1.550 000GHZ | -20.587 dB |
| 5:  | 2.050 000GHZ | -9.524 dB  |
| 6:  | 2.200 000GHZ | -8.908 dB  |
| 7:  | 2.300 000GHZ | -10.703 dB |
| 8:  | 2.400 000GHZ | -12.027 dB |
| 9:  | 2.500 000GHZ | -20.309 dB |
| 10: | 2.700 000GHZ | -27.514 dB |

FORMAT

LOG MAG

PHASE

DELAY

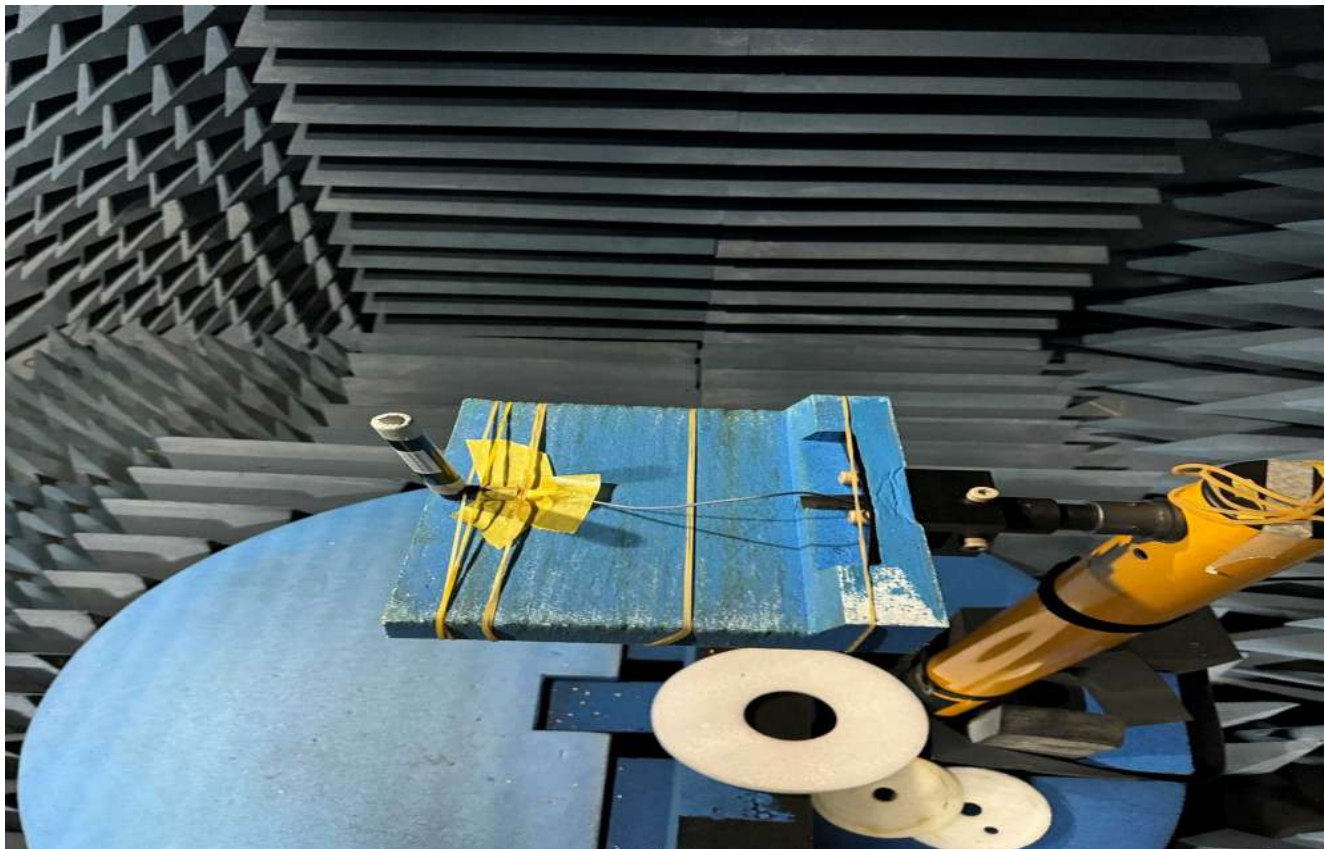
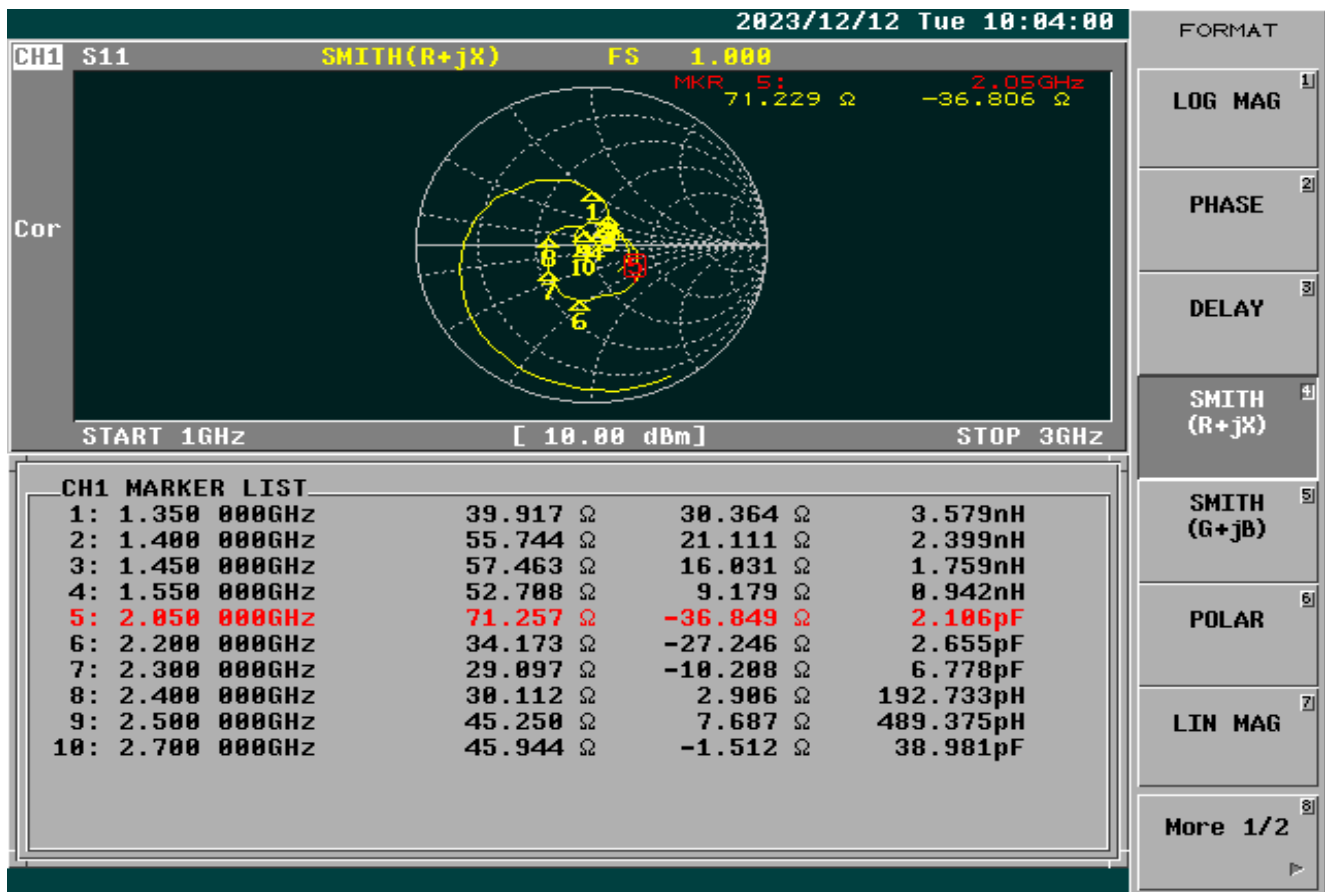
SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

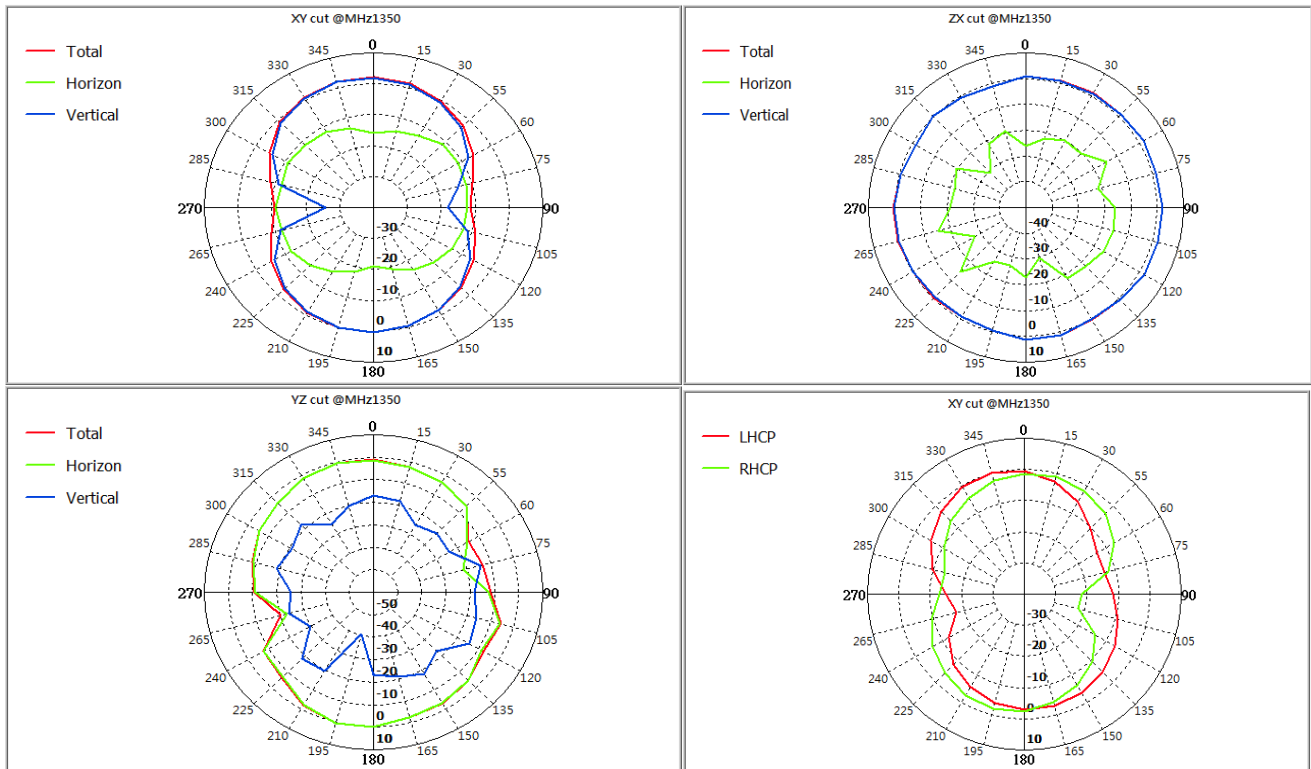
More 1/2



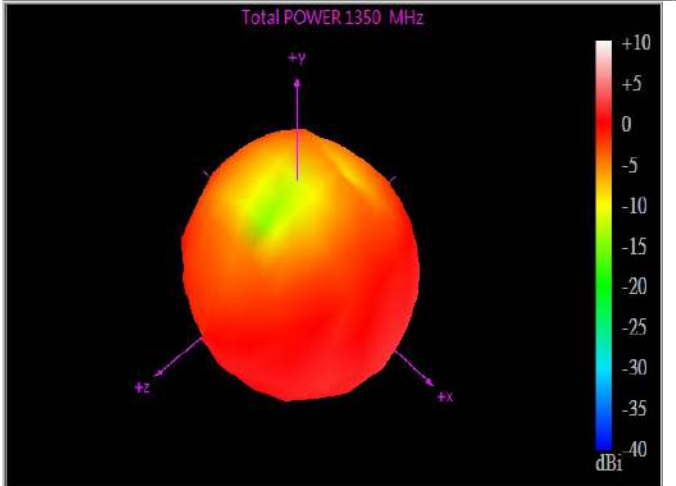
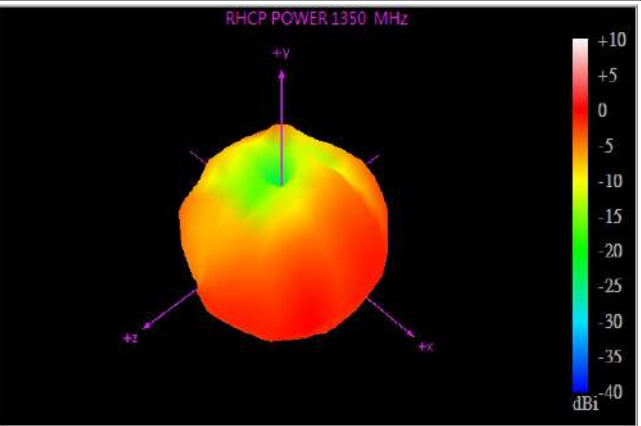
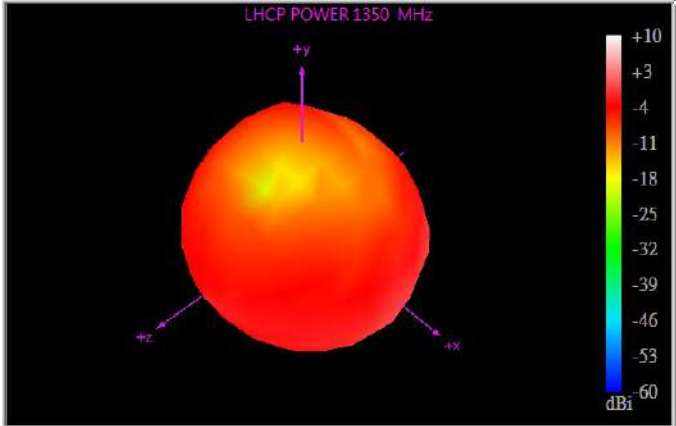
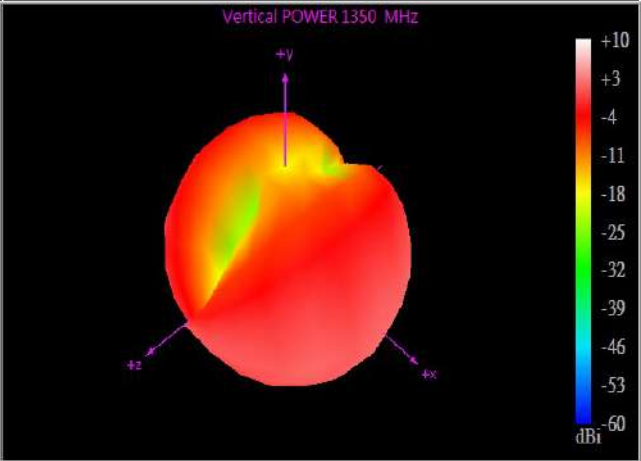
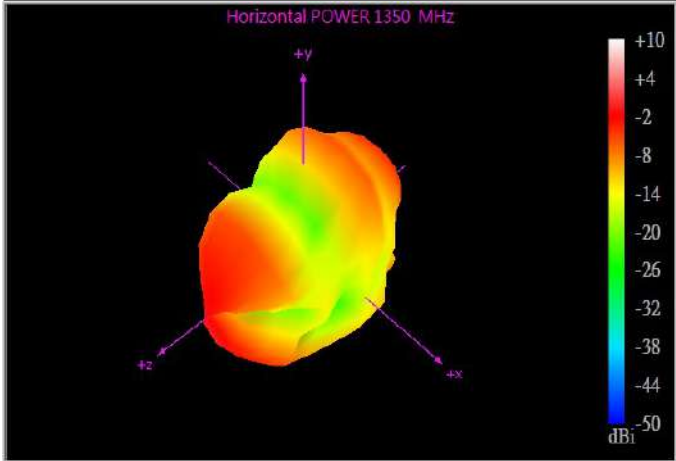
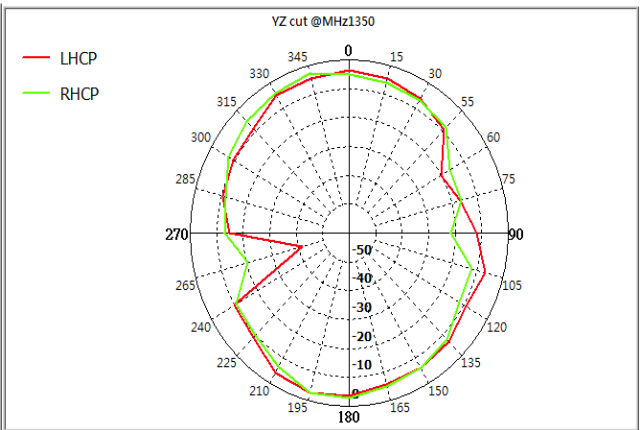
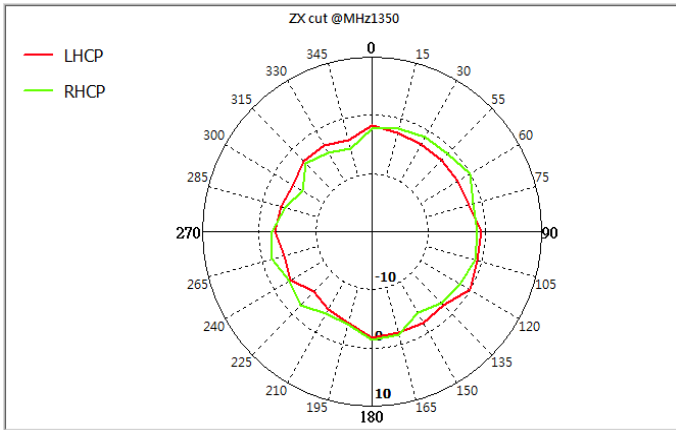
### 3D Total

| Frequency (MHz) | Upper Hem. PRP (dBm) | Lower HEM. PRP (dBm) | Efficiency (dB) | Efficiency (%) | Gain (dBi) | Tot. Rad.Pwr. (dBm) |
|-----------------|----------------------|----------------------|-----------------|----------------|------------|---------------------|
| 1350 MHz        | -5.50                | -5.35                | -2.41           | 57.39          | 2.24       | -2.41               |
| 1400 MHz        | -5.64                | -5.40                | -2.51           | 56.14          | 2.57       | -2.51               |
| 1450 MHz        | -5.73                | -5.52                | -2.61           | 54.77          | 3.18       | -2.61               |
| 1500 MHz        | -5.55                | -5.37                | -2.45           | 56.89          | 3.90       | -2.45               |
| 1600 MHz        | -6.63                | -5.63                | -3.09           | 49.10          | 3.16       | -3.09               |
| 1700 MHz        | -6.09                | -4.93                | -2.46           | 56.72          | 3.61       | -2.46               |
| 1800 MHz        | -5.92                | -4.73                | -2.28           | 59.20          | 3.83       | -2.28               |
| 1900 MHz        | -6.59                | -4.96                | -2.69           | 53.88          | 3.21       | -2.69               |
| 2000 MHz        | -6.25                | -4.87                | -2.50           | 56.28          | 3.02       | -2.50               |
| 2100 MHz        | -5.87                | -4.59                | -2.17           | 60.67          | 3.49       | -2.17               |
| 2200 MHz        | -6.91                | -5.27                | -3.00           | 50.09          | 3.96       | -3.00               |
| 2300 MHz        | -6.08                | -4.56                | -2.24           | 59.71          | 4.20       | -2.24               |
| 2400 MHz        | -6.04                | -4.82                | -2.37           | 57.88          | 4.31       | -2.37               |
| 2500 MHz        | -6.16                | -5.02                | -2.54           | 55.70          | 4.07       | -2.54               |
| 2600 MHz        | -5.30                | -4.00                | -1.59           | 69.34          | 4.83       | -1.59               |
| 2700 MHz        | -5.54                | -4.29                | -1.86           | 65.12          | 4.59       | -1.86               |
| 2800 MHz        | -7.62                | -6.28                | -3.89           | 40.86          | 1.49       | -3.89               |
| 2900 MHz        | -6.33                | -4.69                | -2.42           | 57.27          | 3.94       | -2.42               |
| 3000 MHz        | -5.40                | -4.72                | -2.04           | 62.59          | 4.76       | -2.04               |

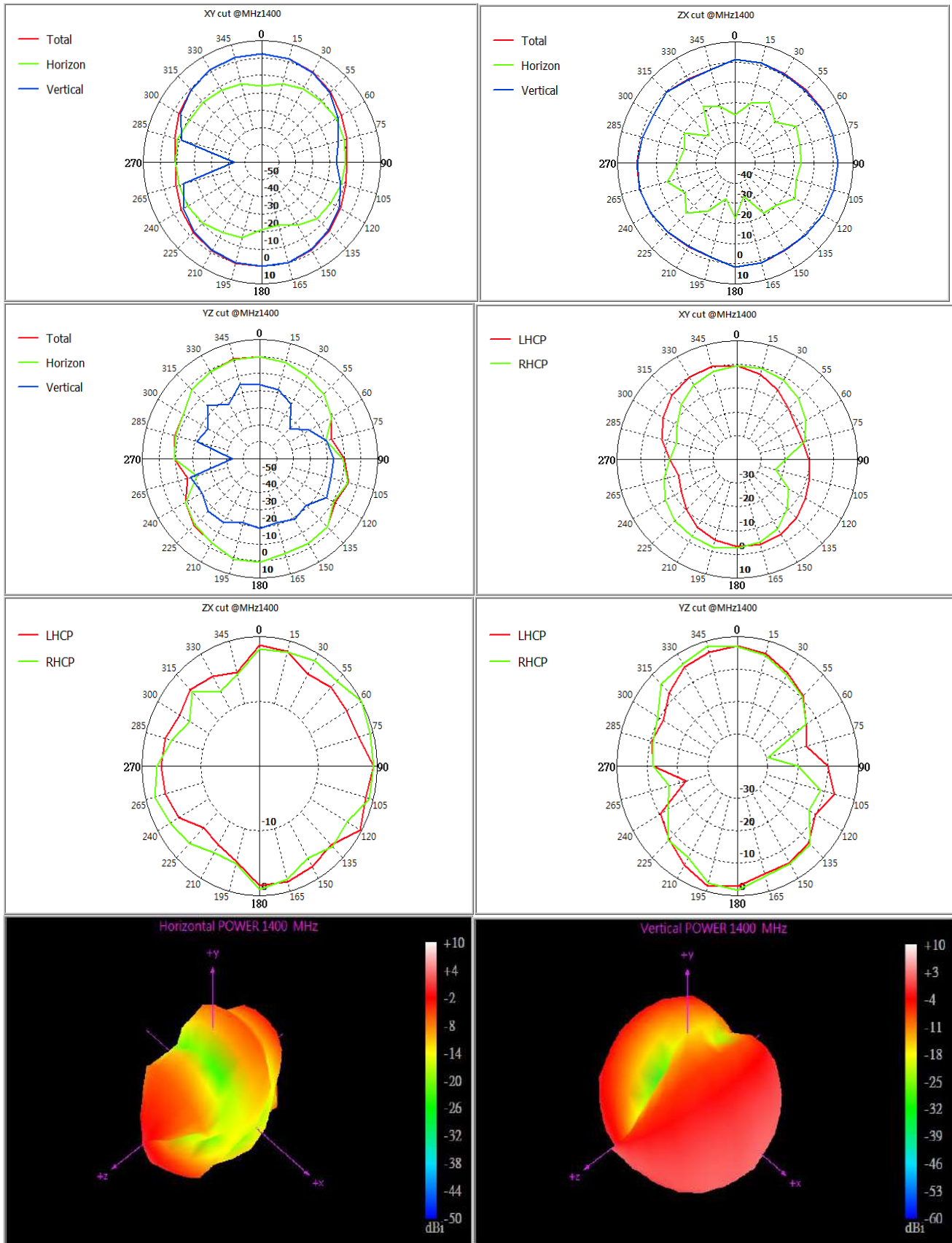
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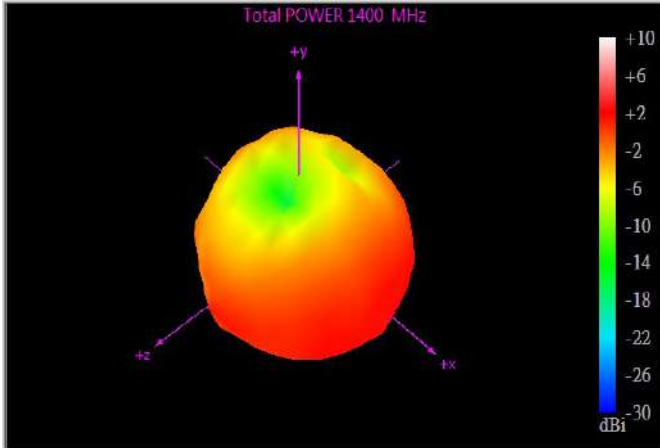
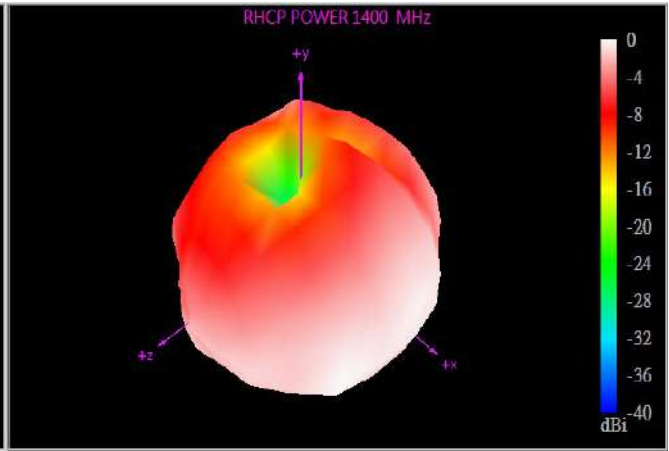
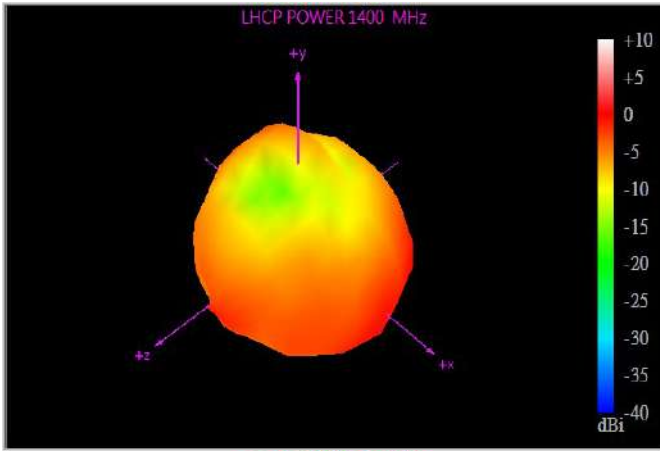




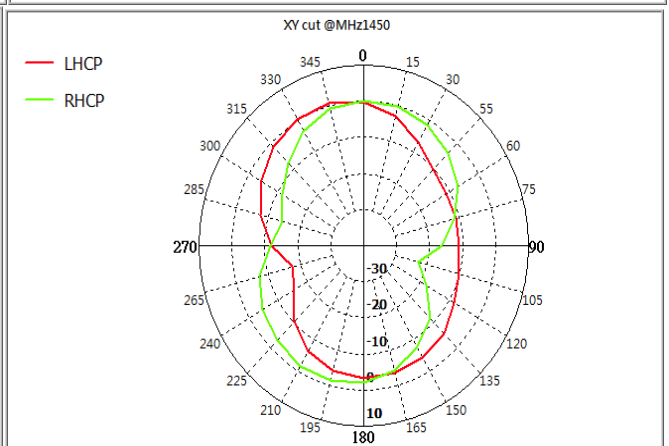
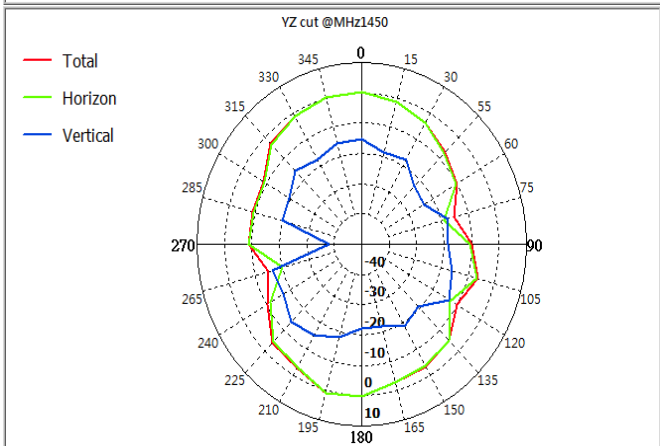
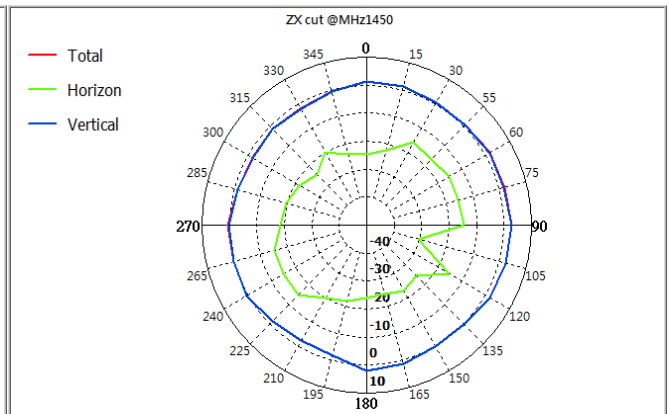
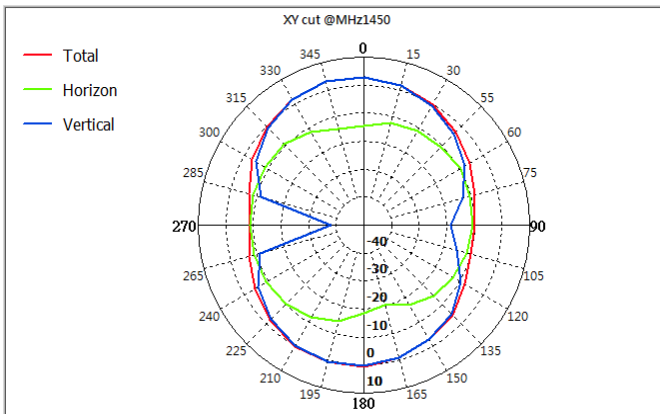


# 1400MHz:

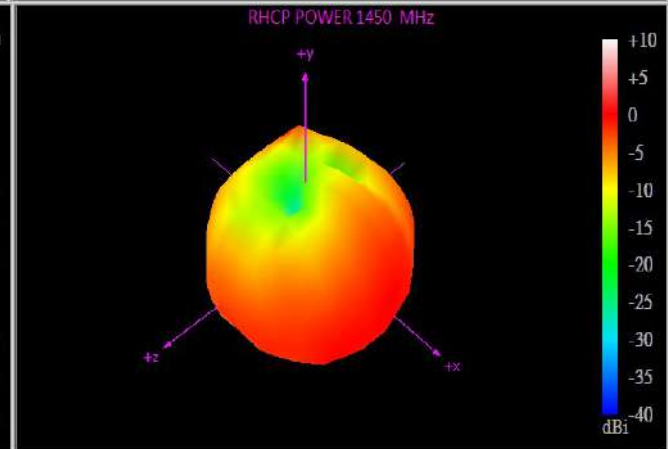
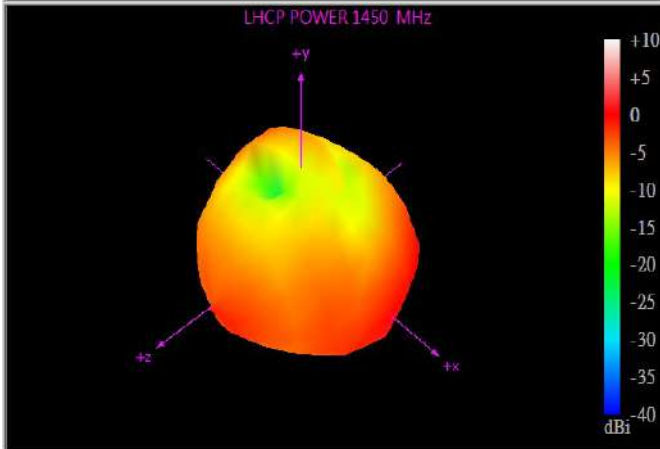
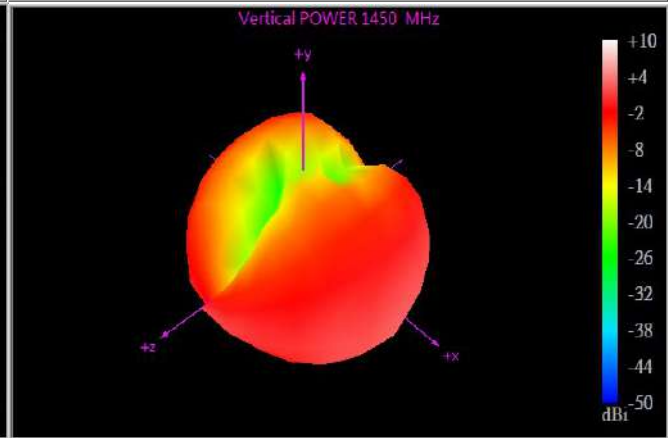
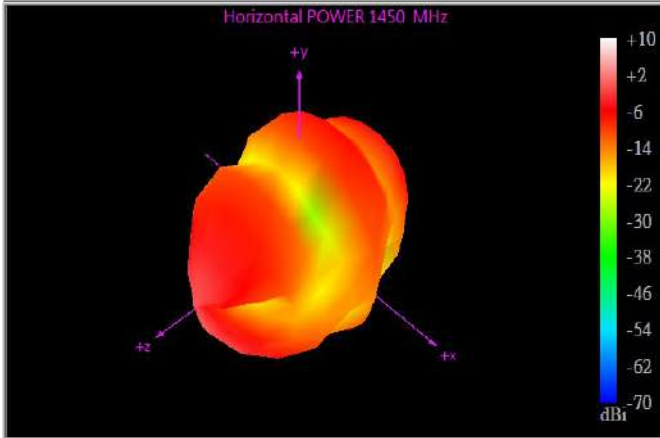
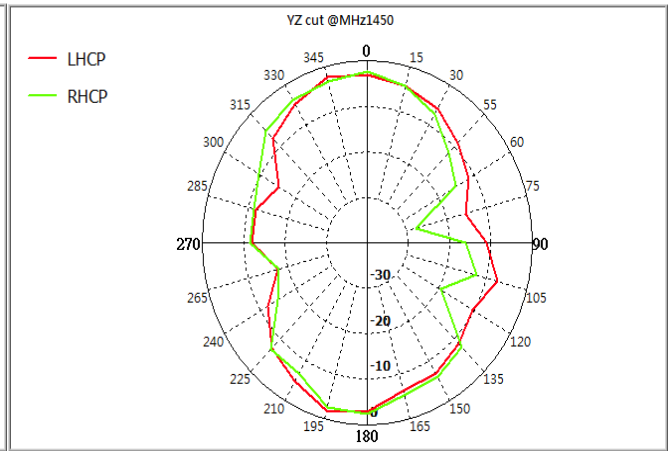
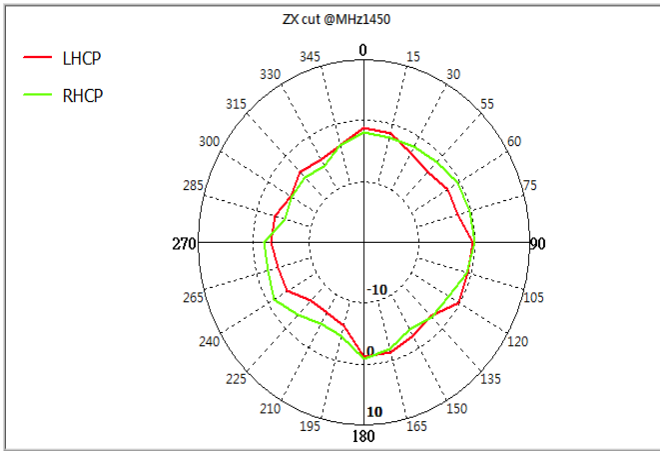




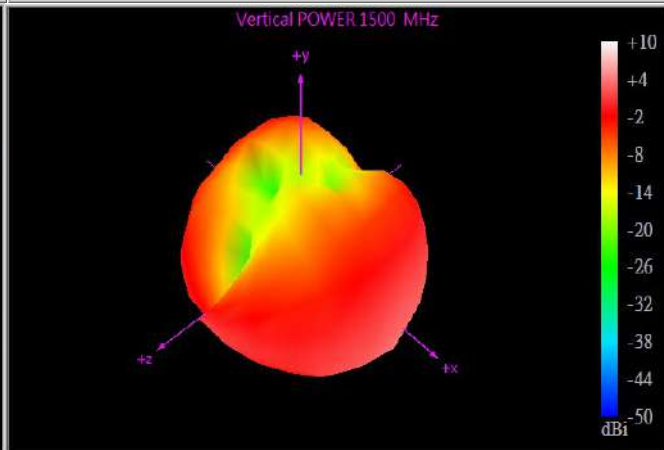
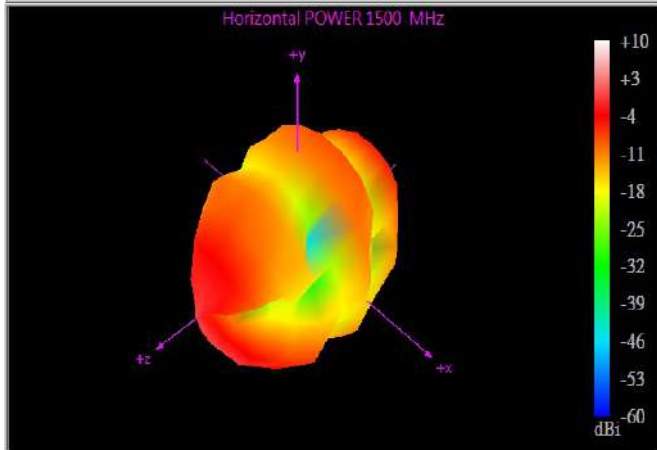
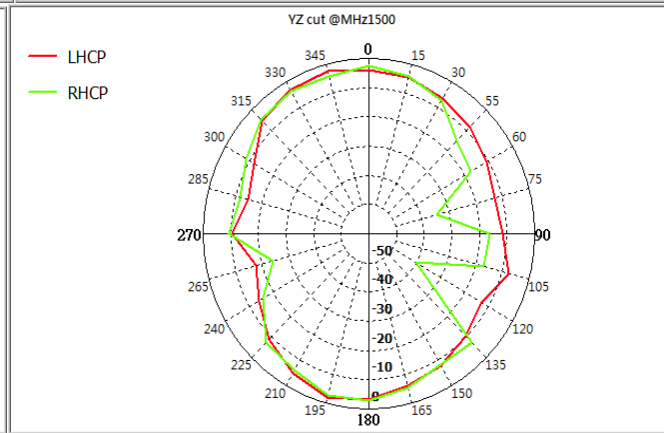
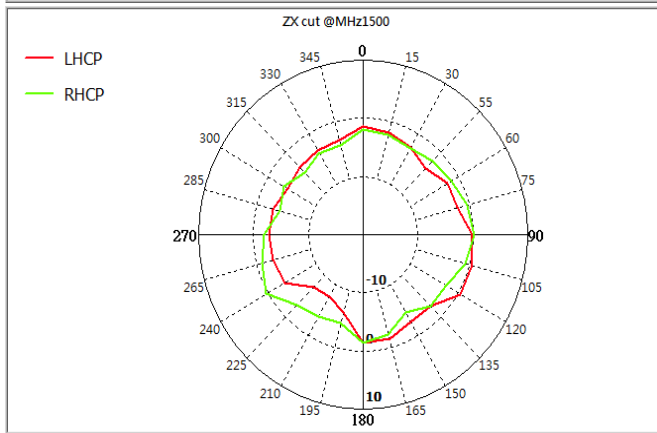
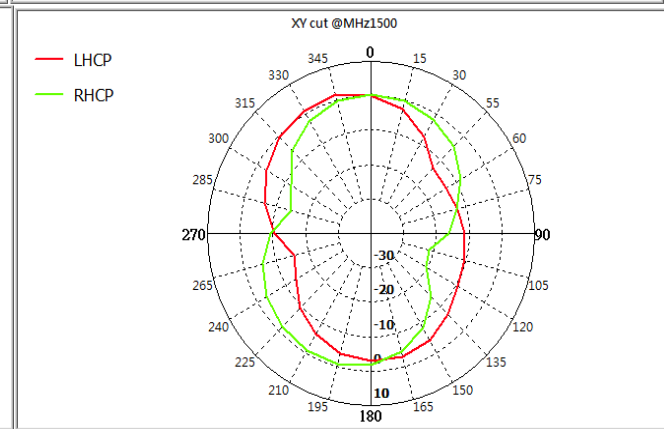
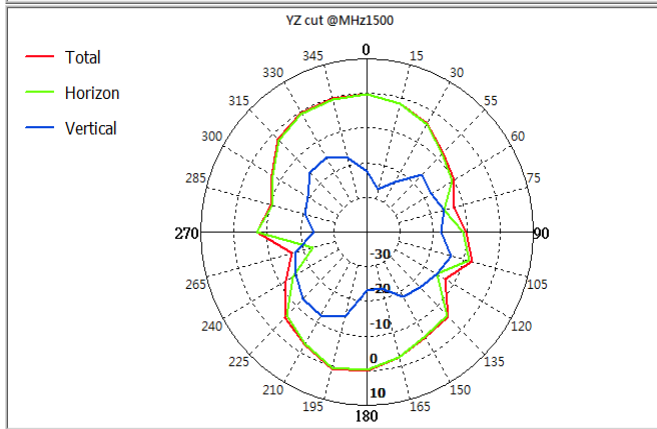
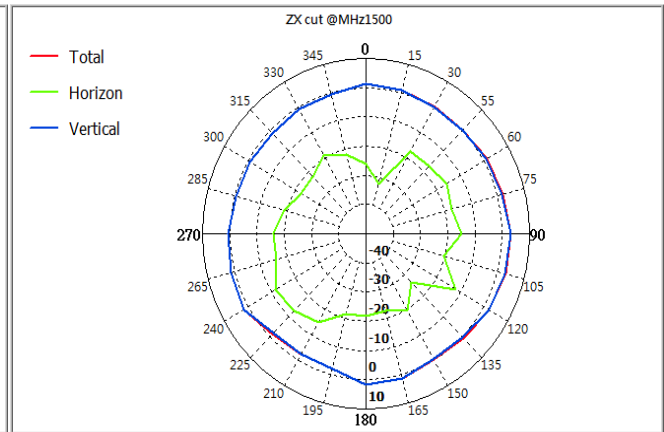
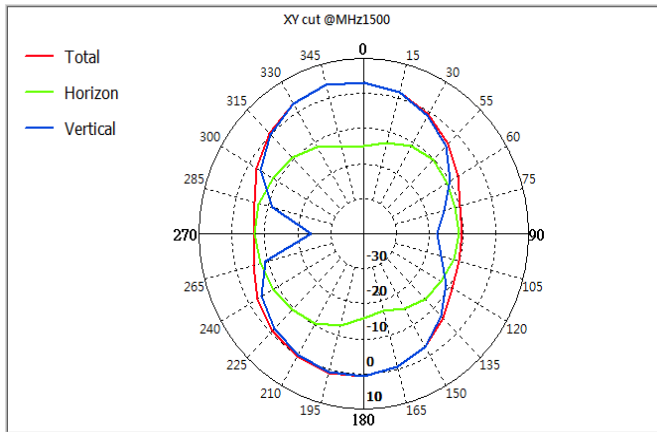
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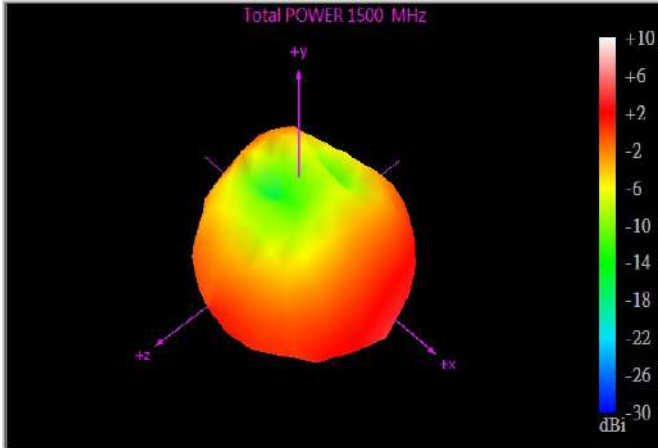
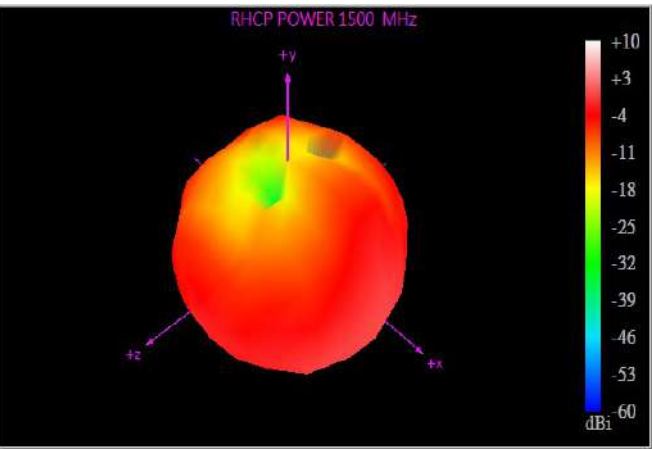
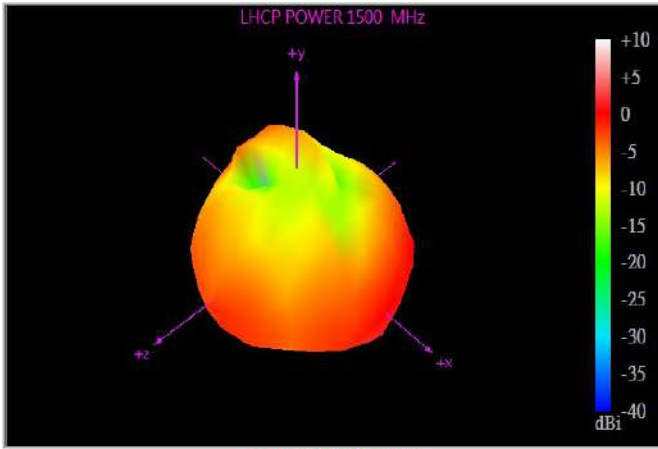




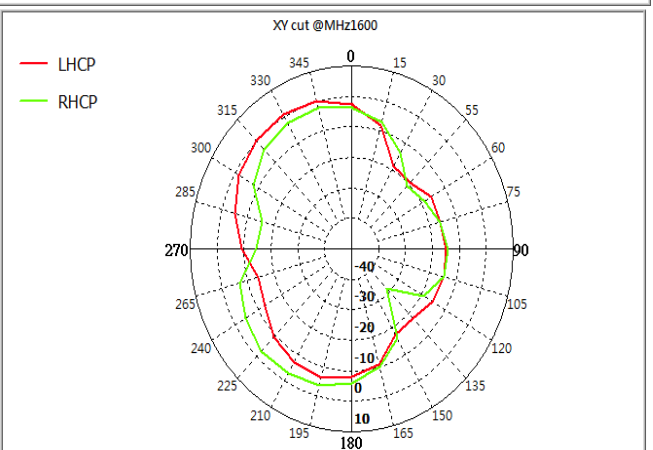
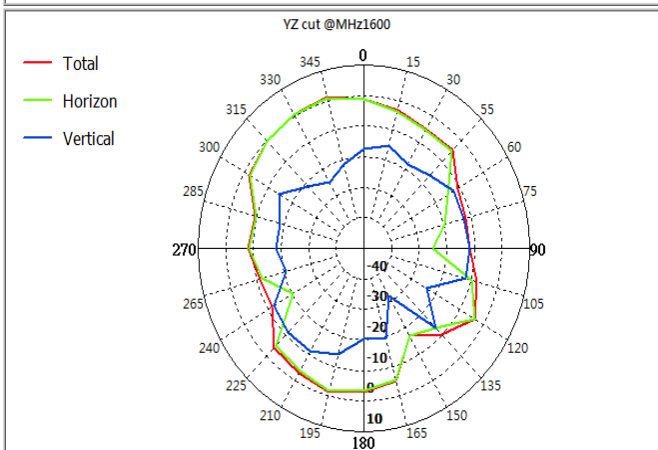
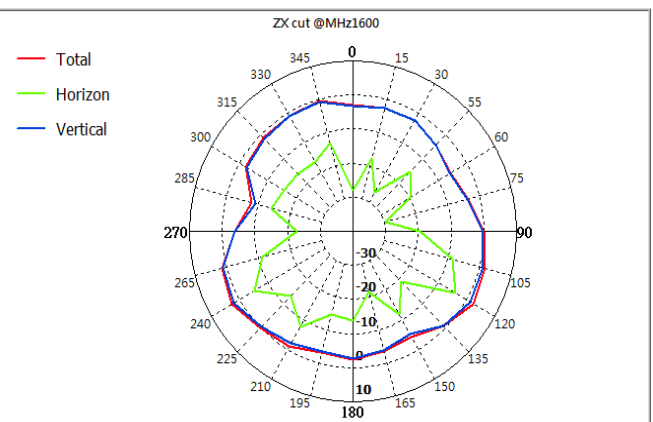
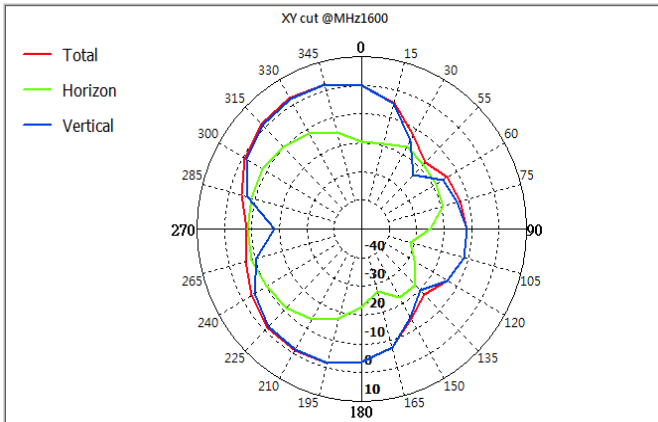


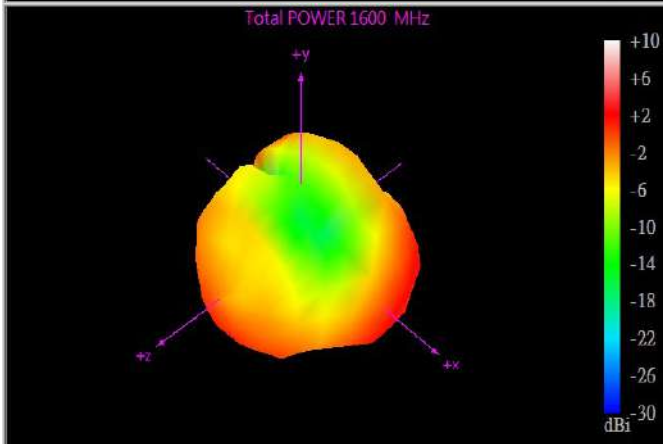
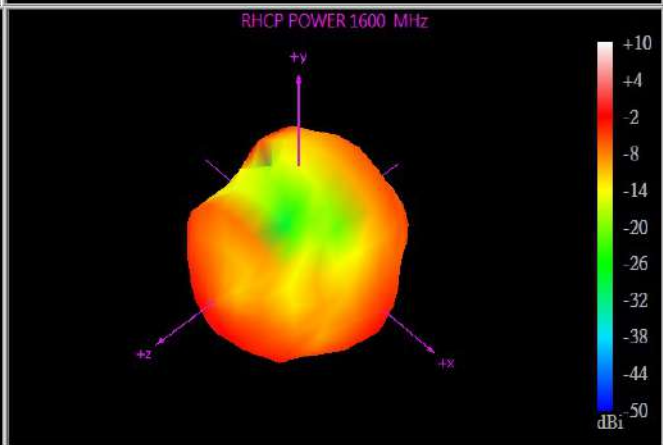
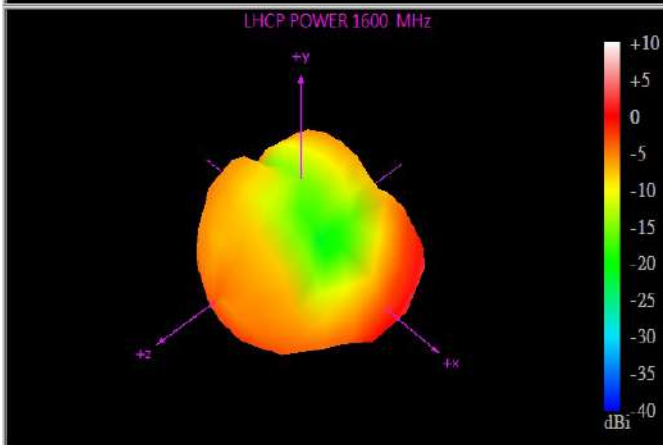
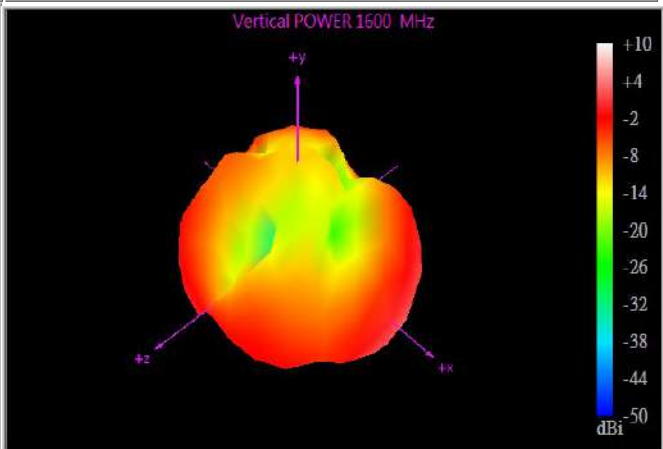
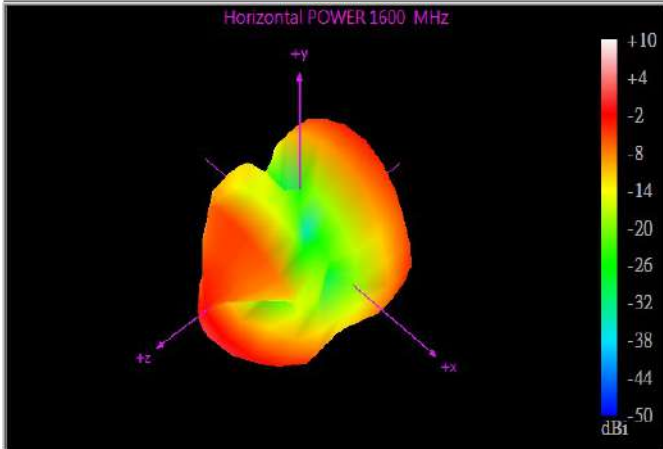
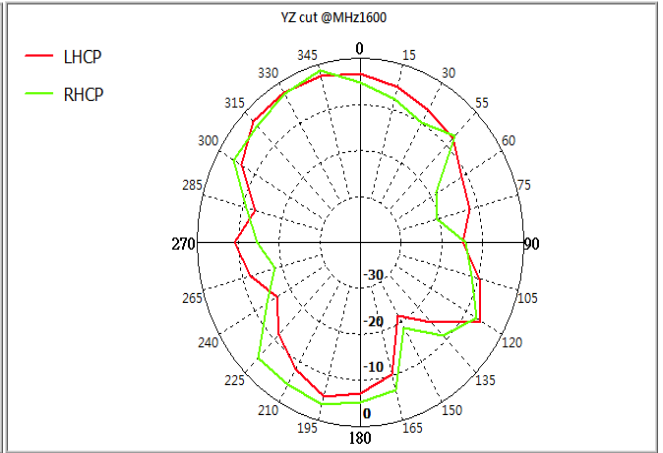
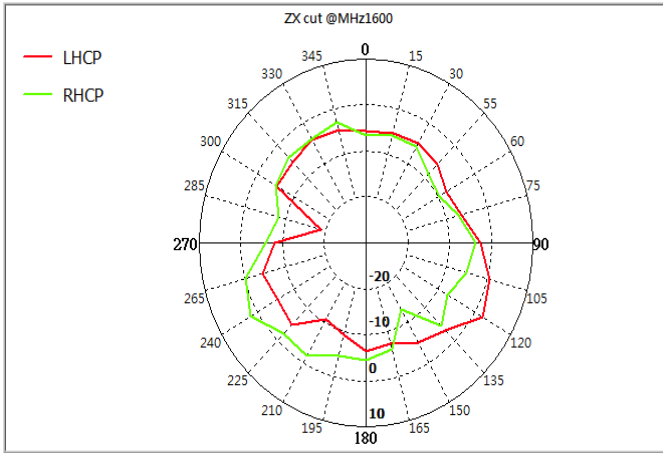
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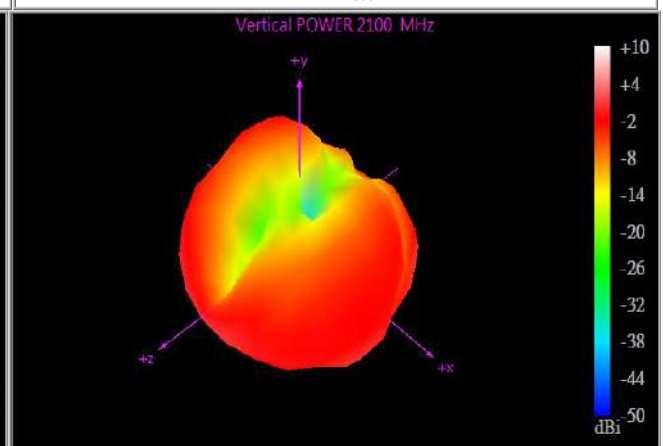
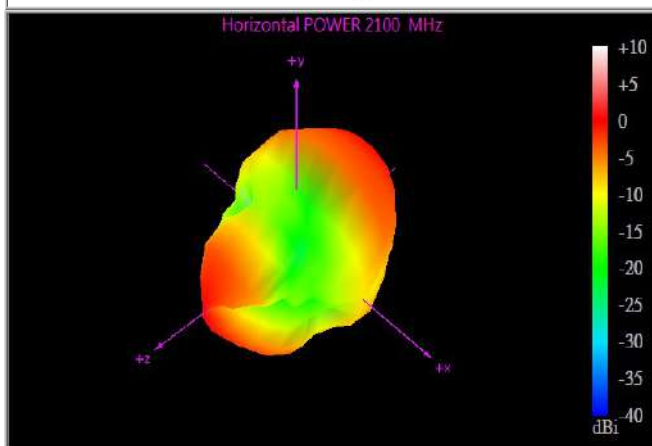
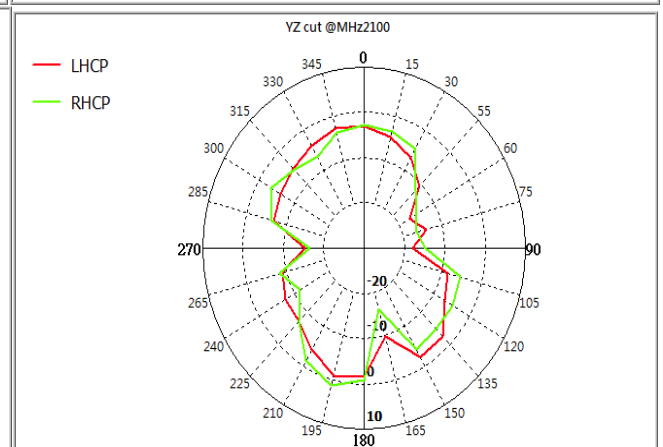
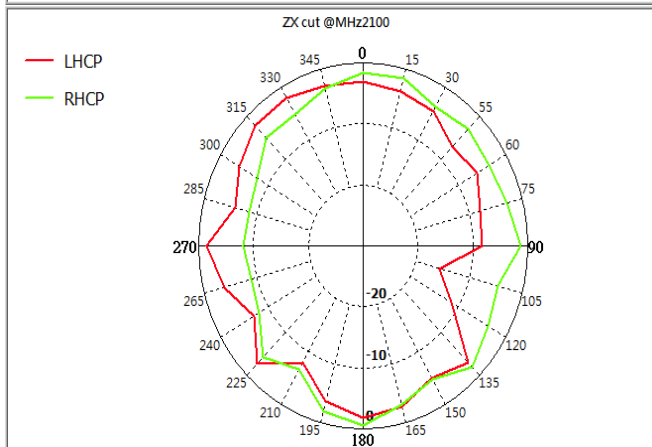
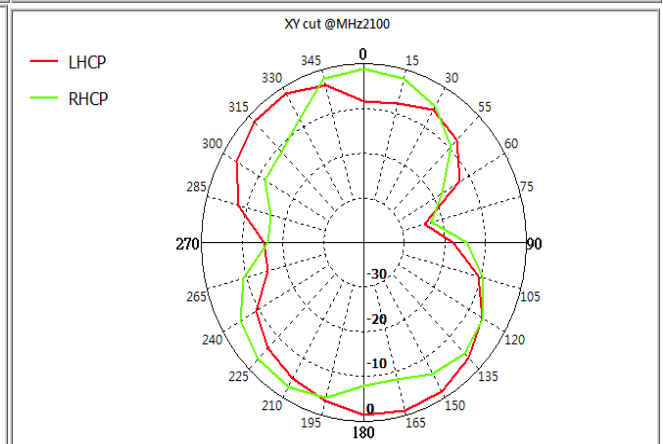
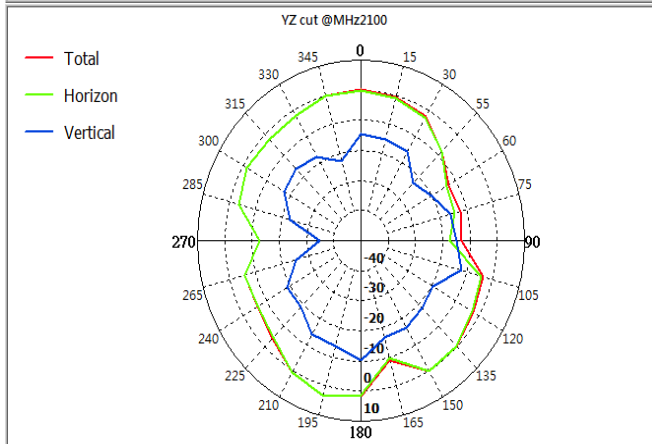
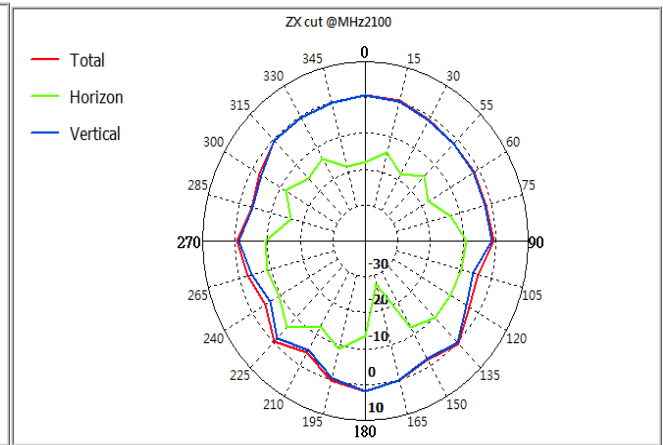
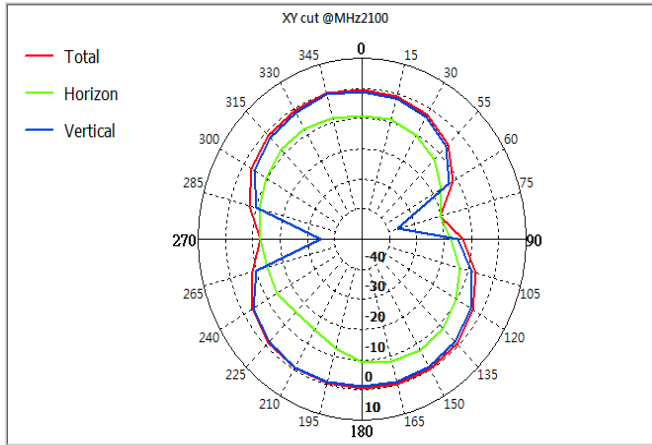


**1600Mhz:**

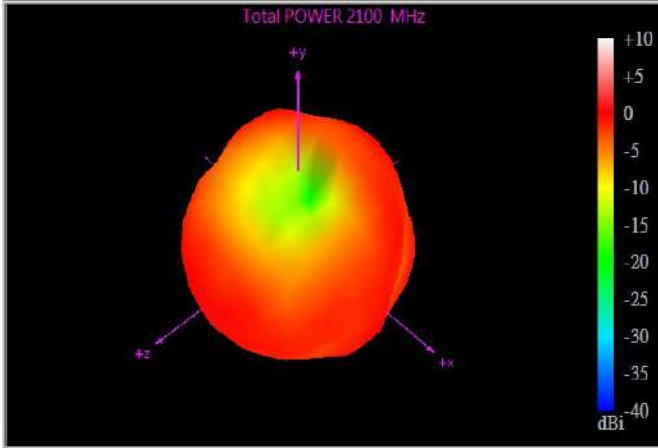
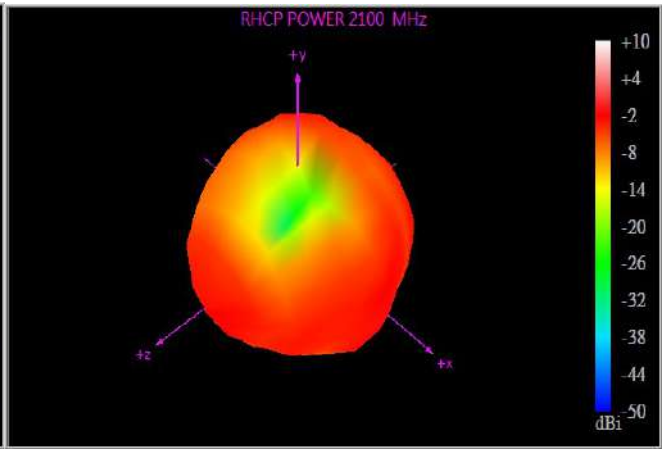
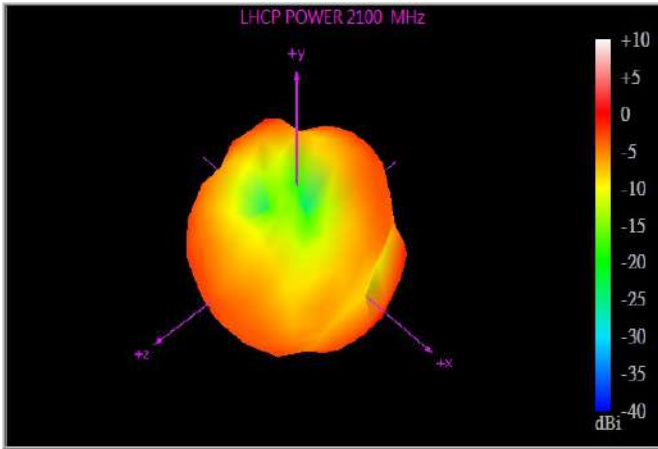




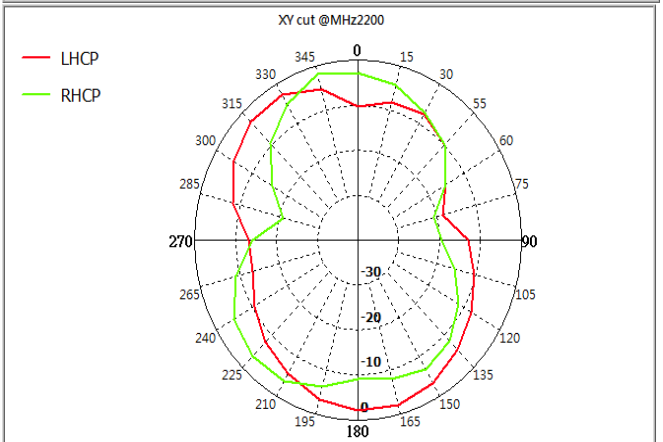
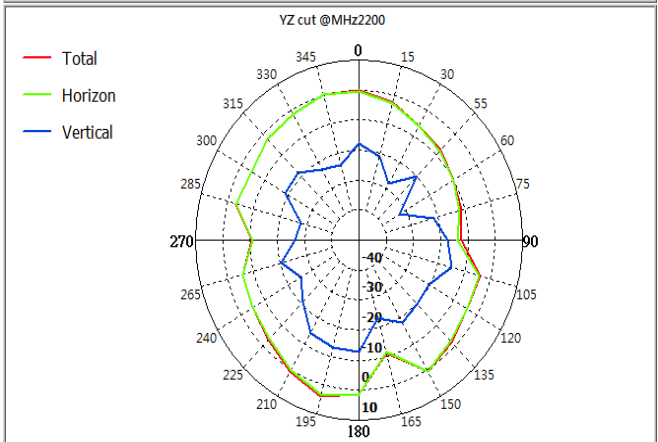
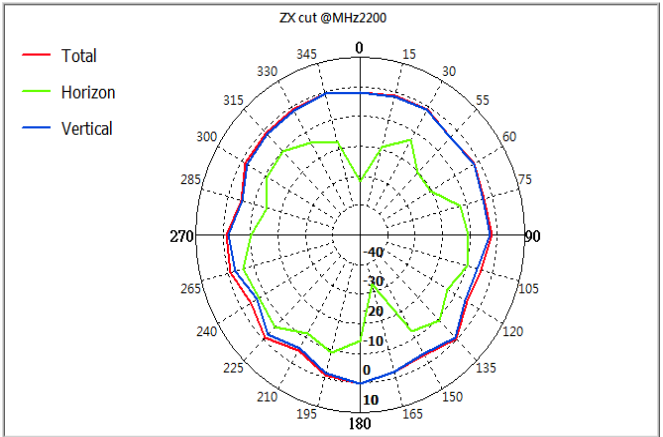
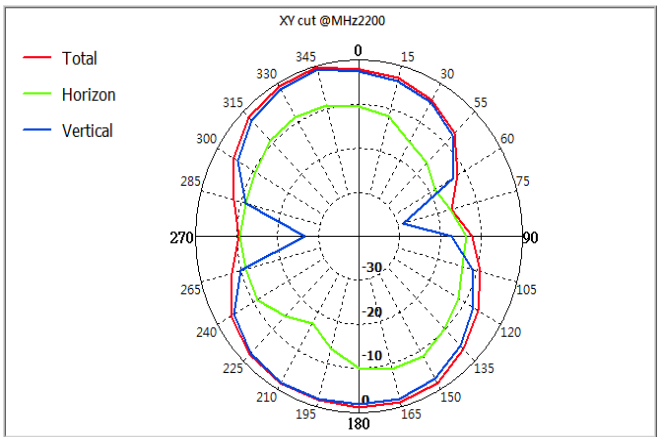
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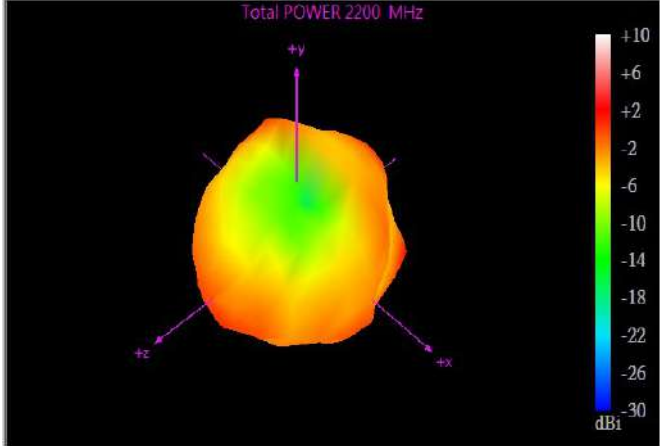
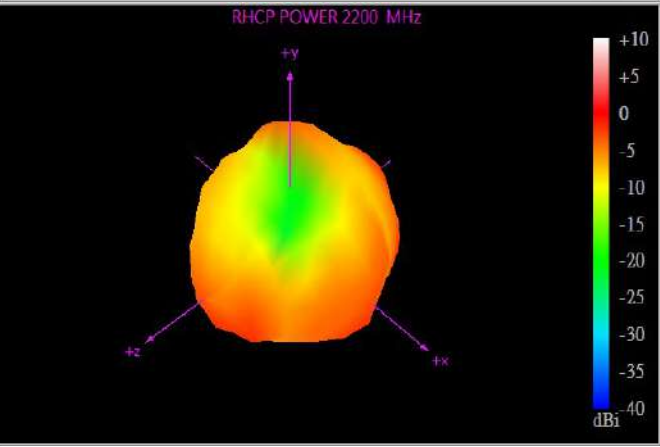
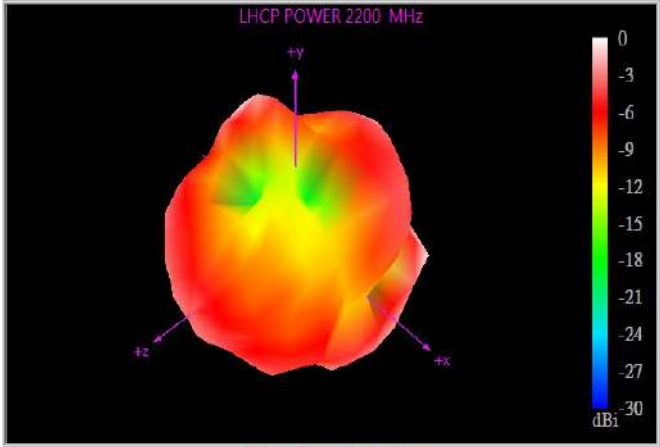
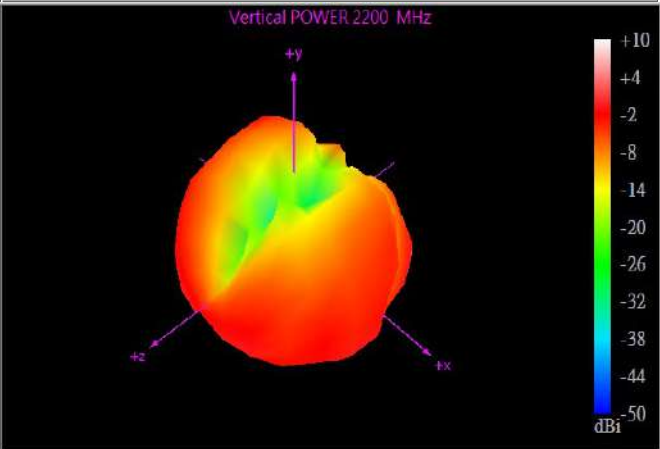
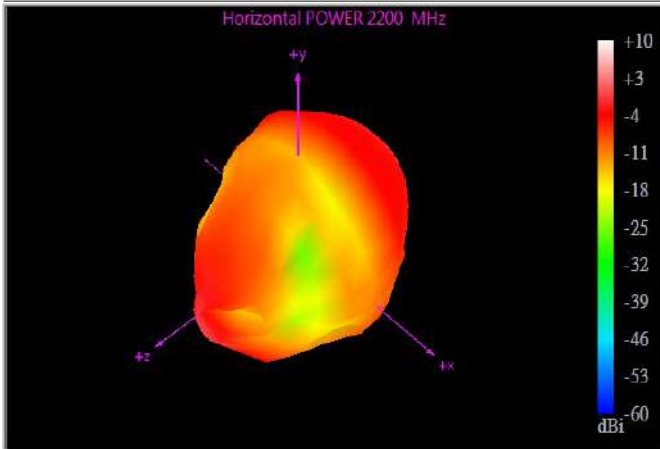
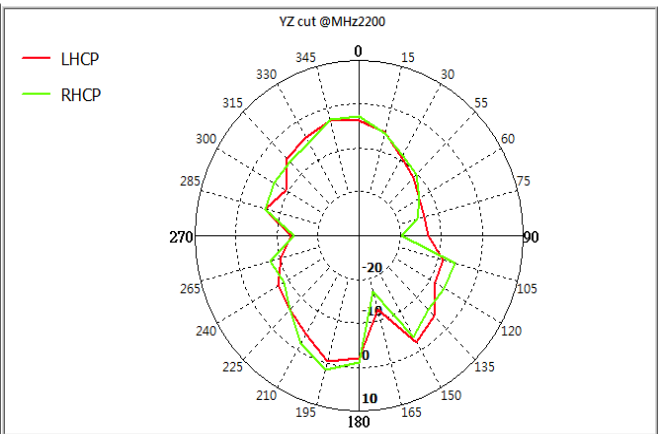
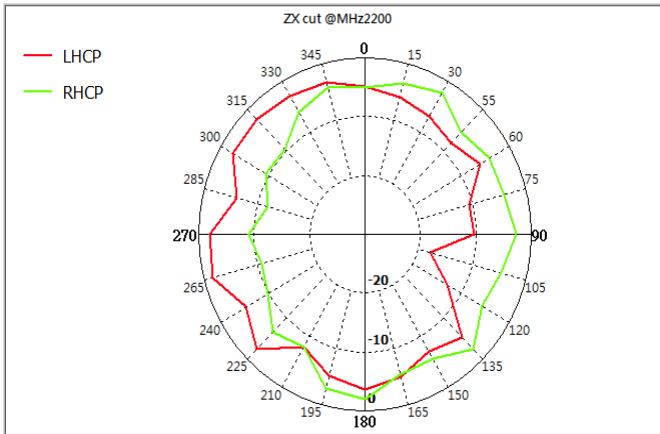




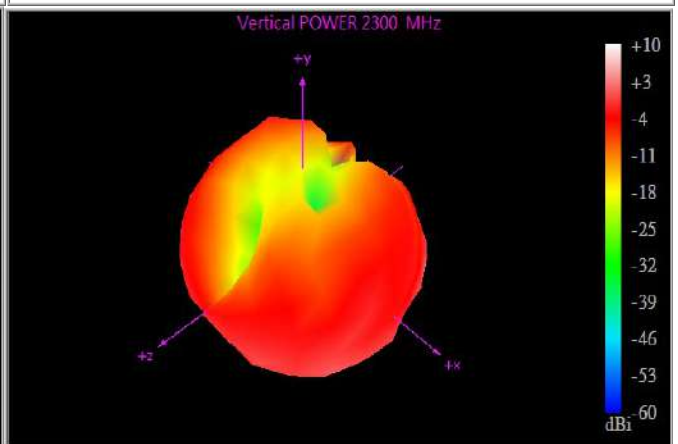
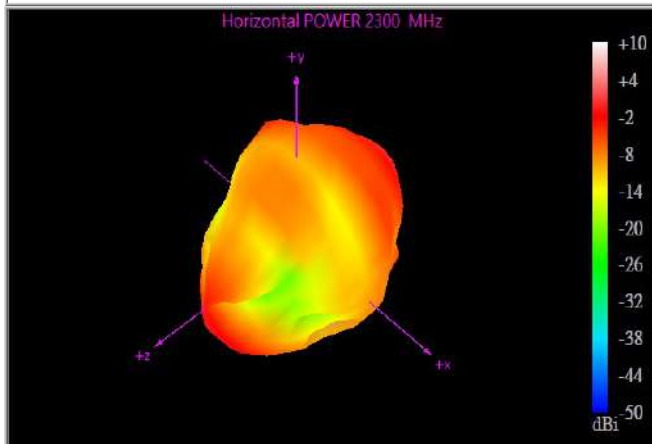
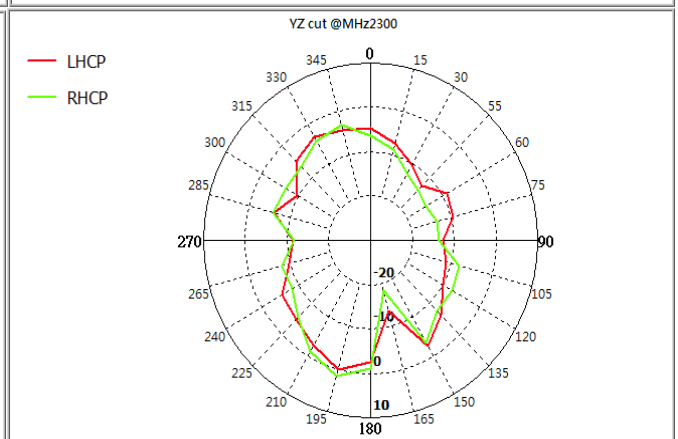
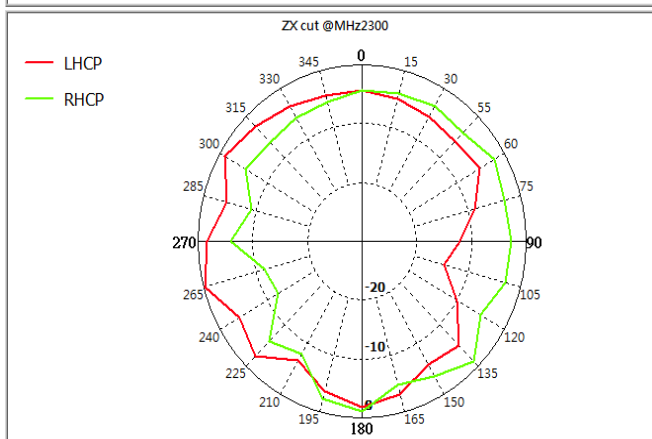
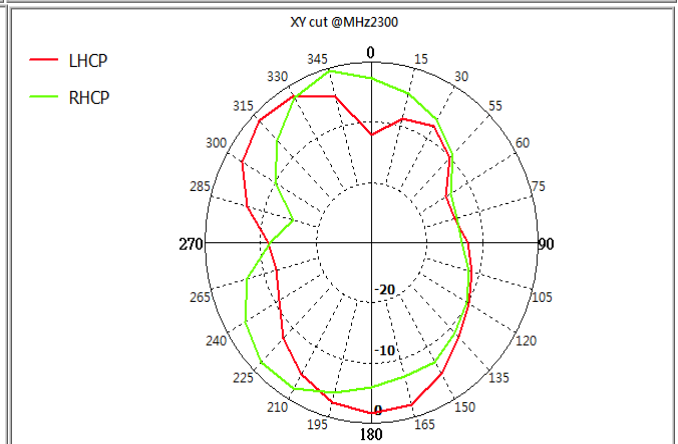
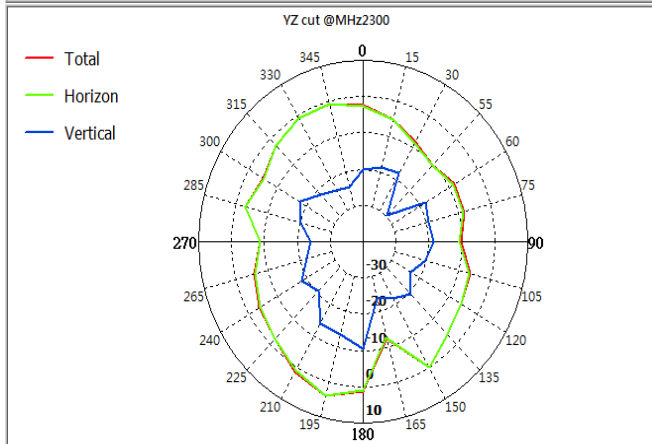
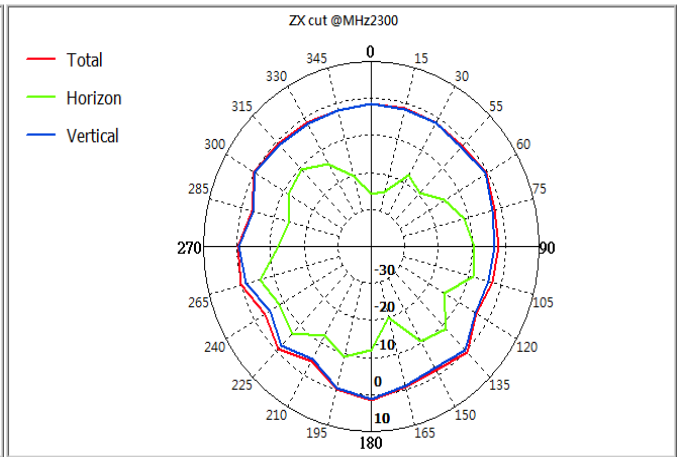
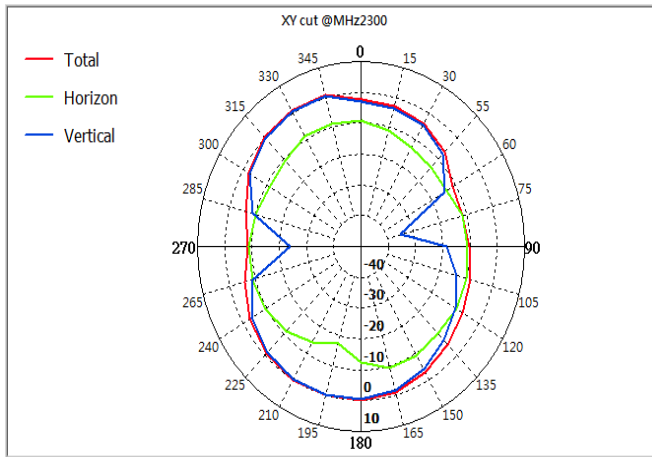


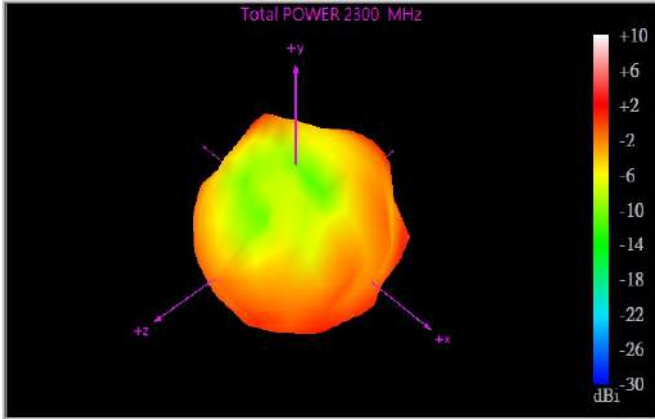
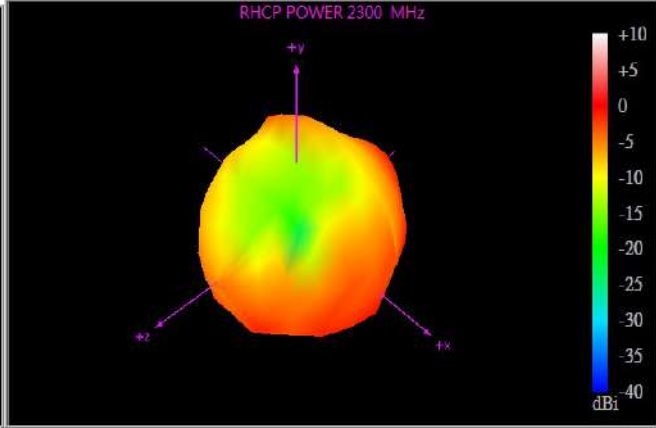
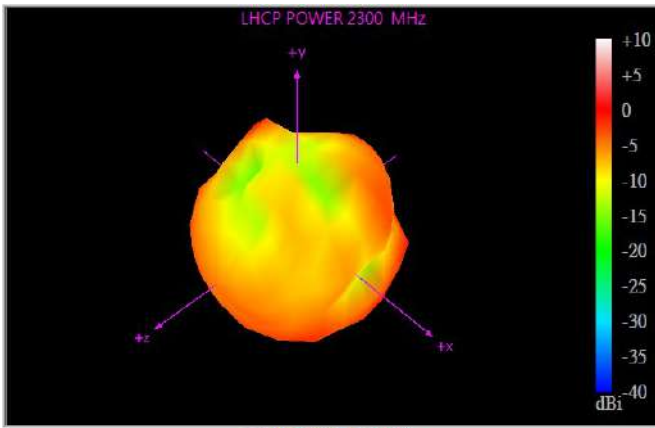
**2200MHz:**



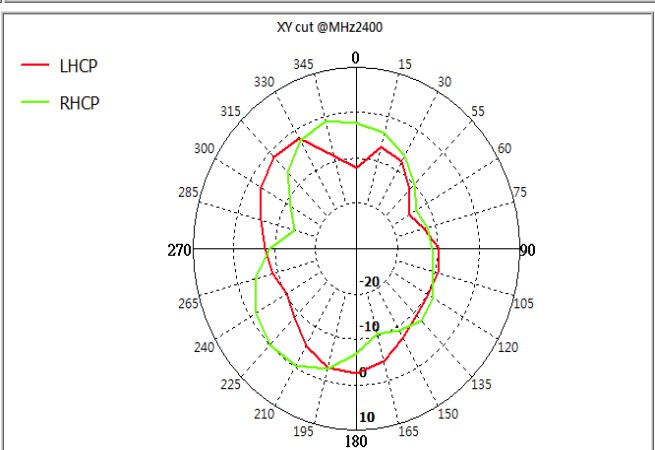
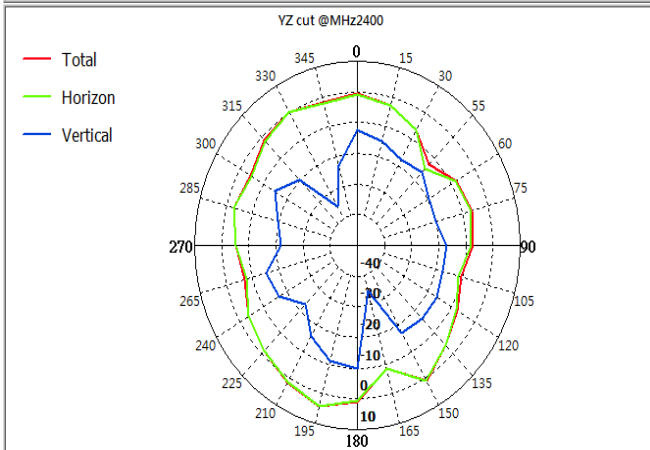
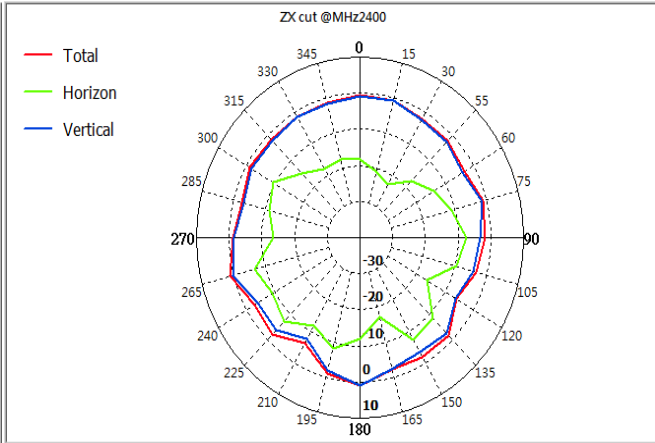
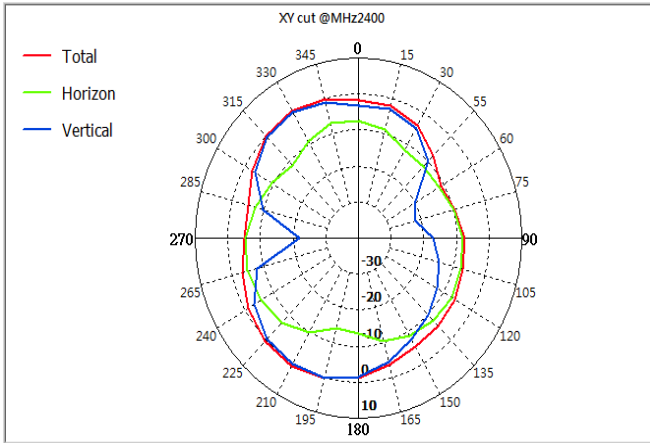


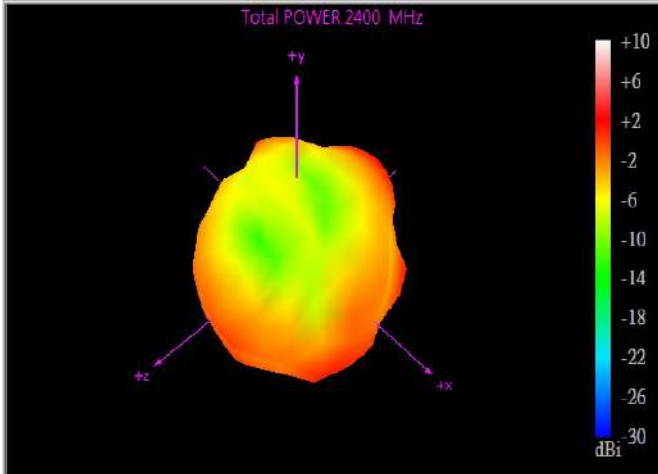
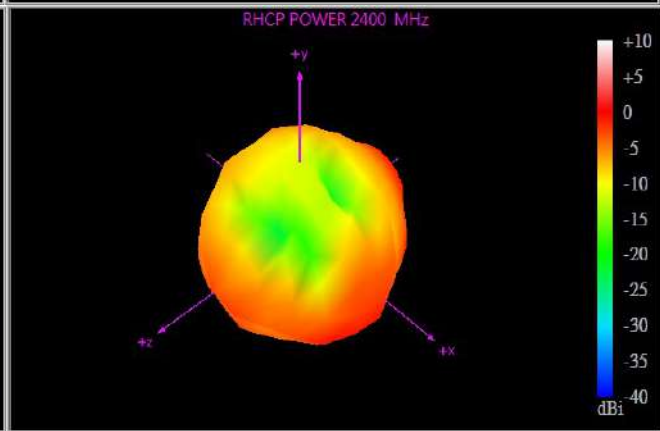
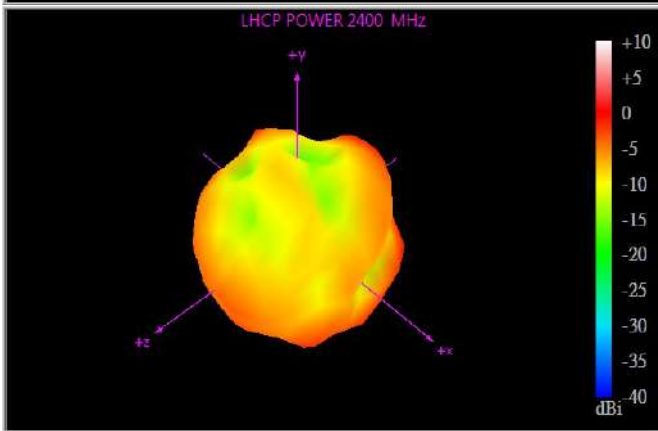
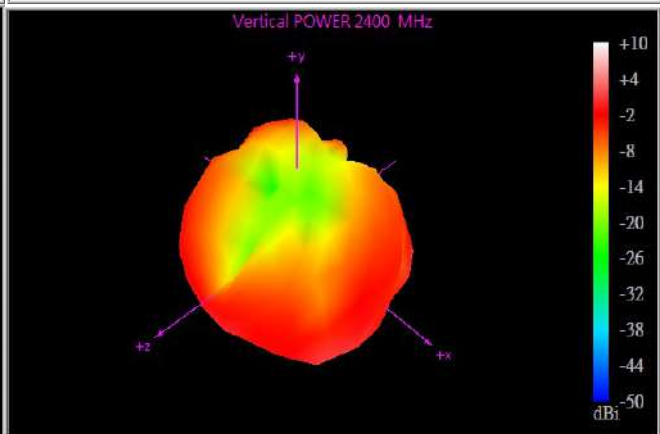
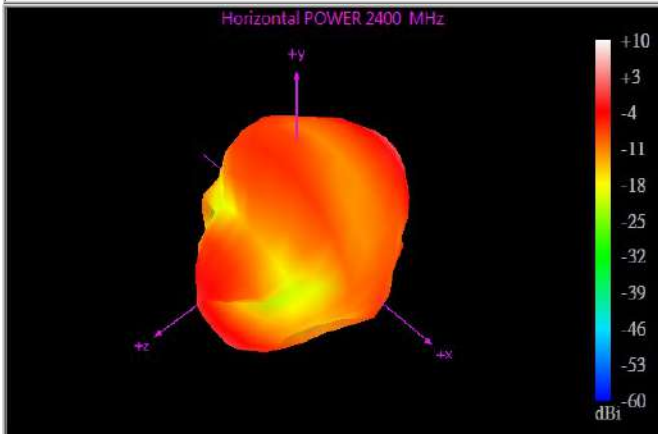
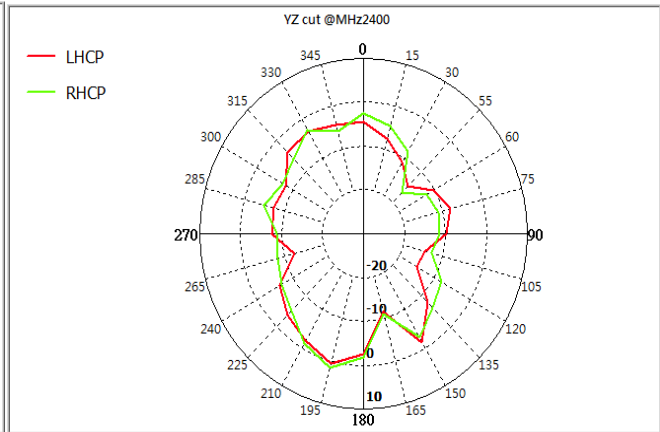
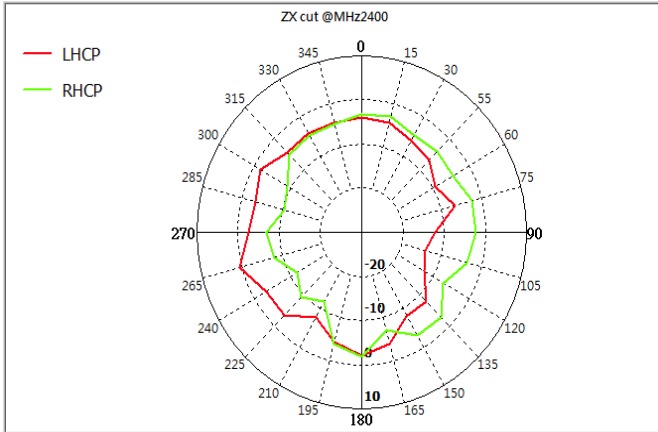
# 2300MHz:





**2400Mhz:**







# 2500Mhz:

