

# 2.3G Antenna

**MODEL: TH2300D-SMA(M)**



## 1. GENERAL DESCRIPTION

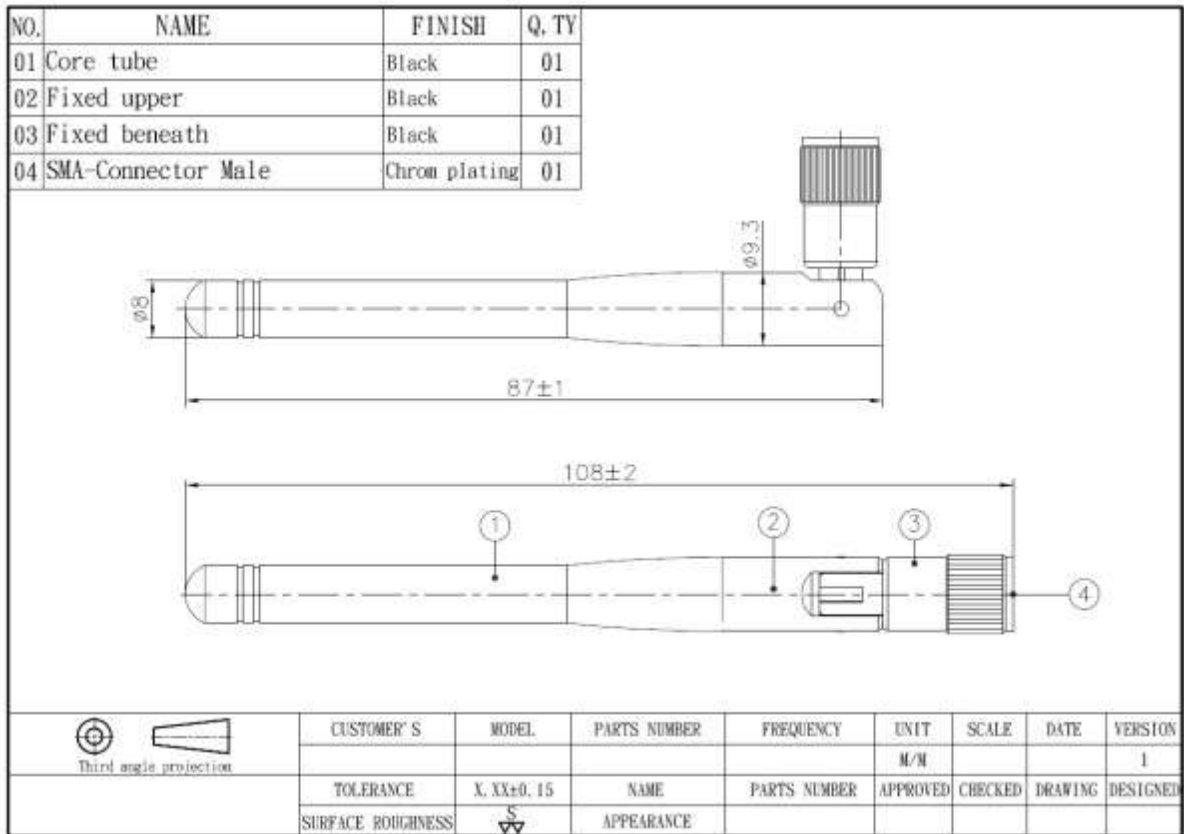
| P/N            |
|----------------|
| TH2300D-SMA(M) |

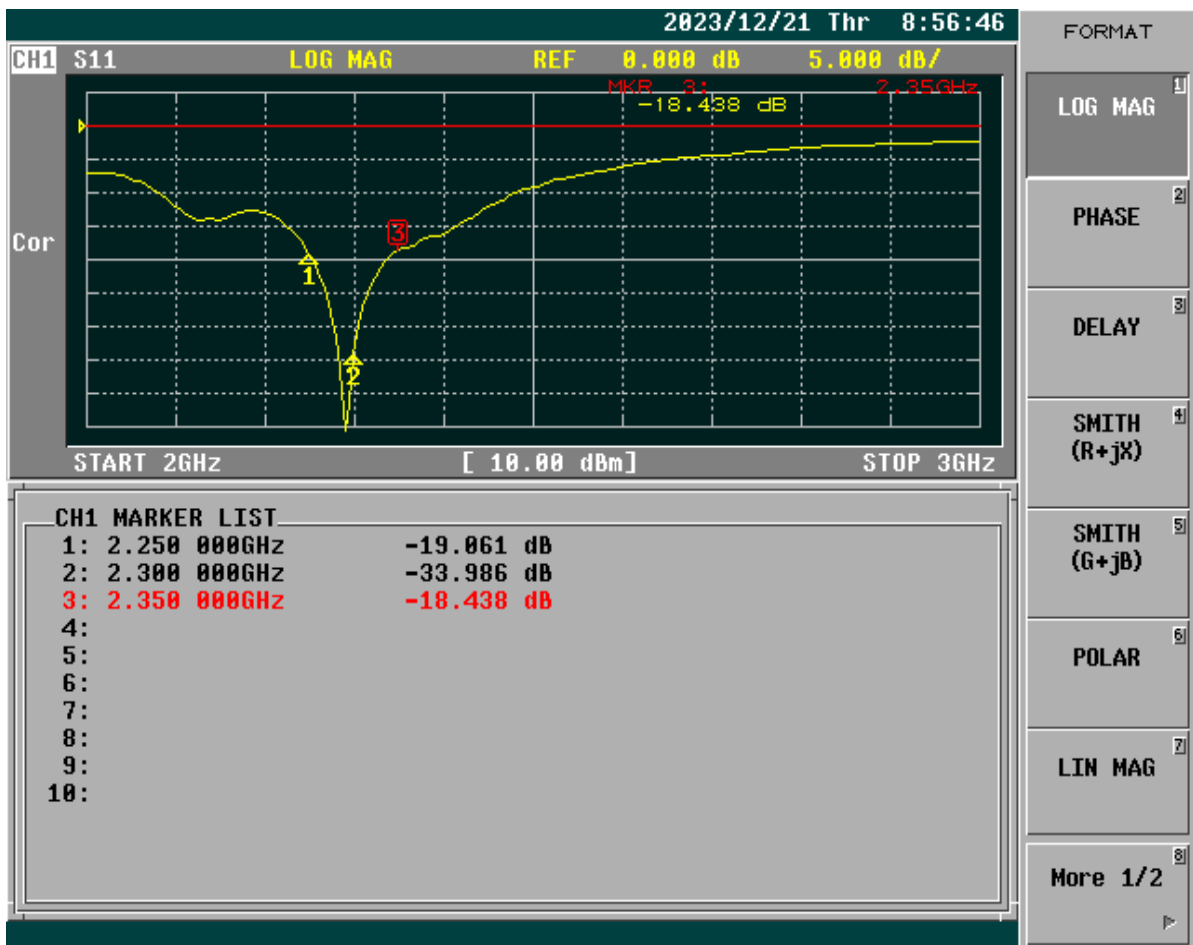
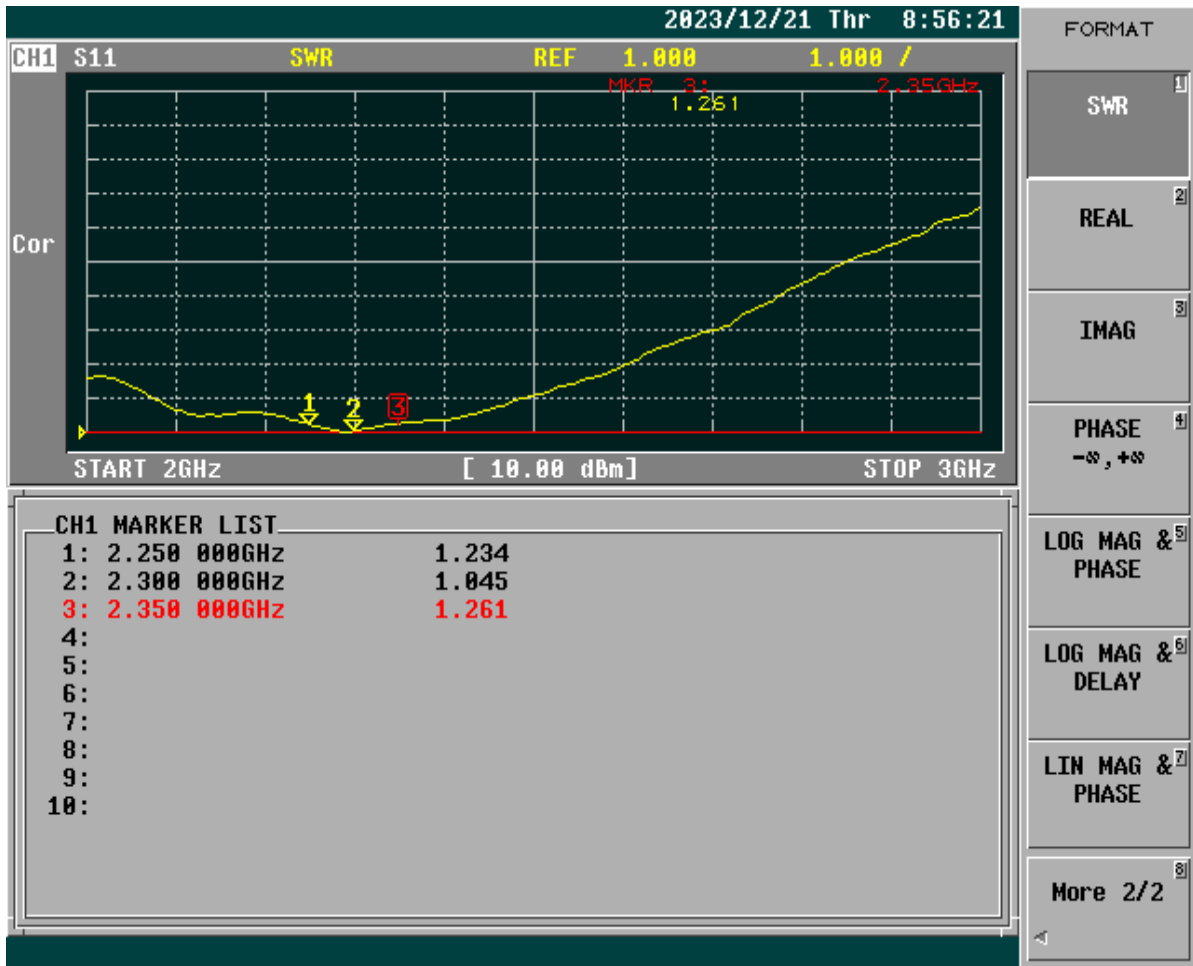
### 1.1 Electrical Properties

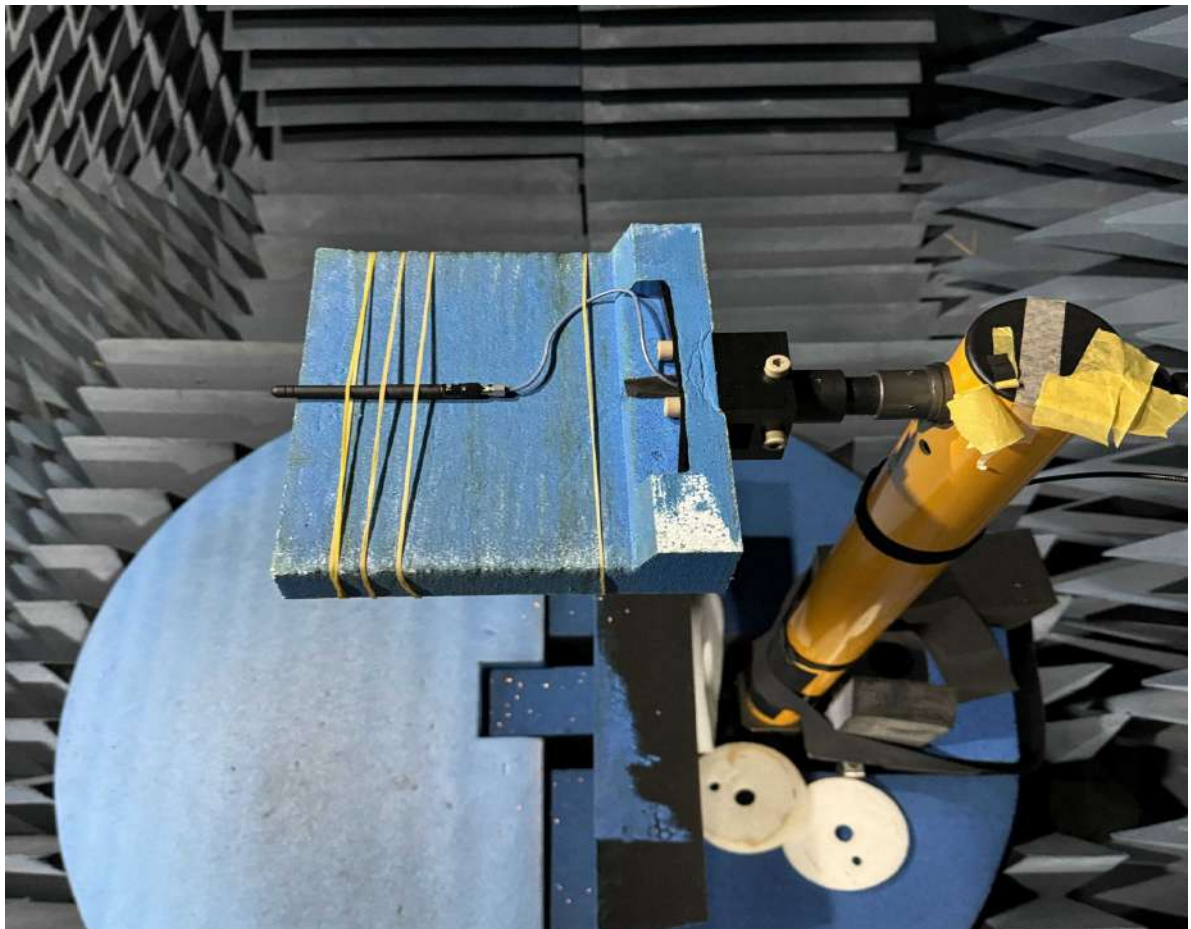
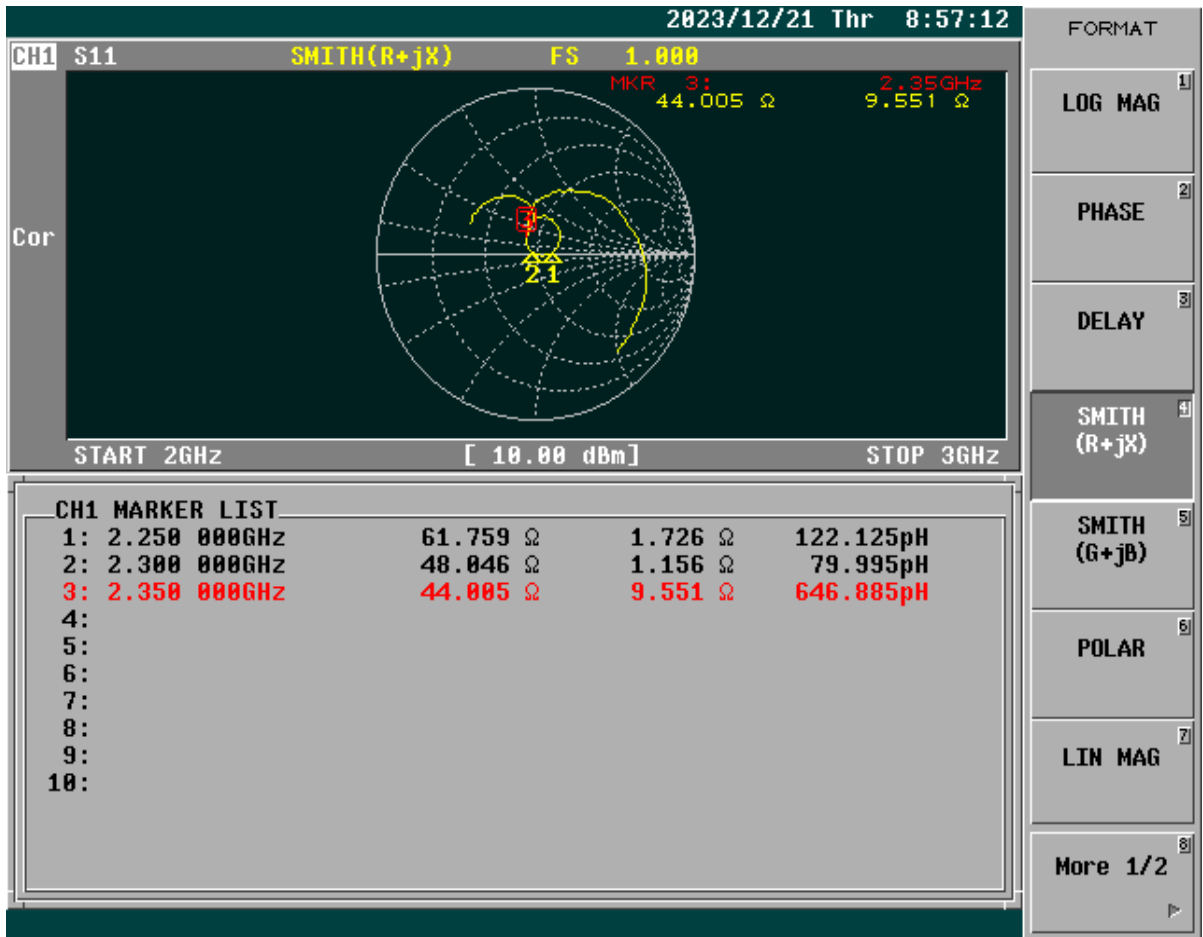
| Parameter         | Description  |
|-------------------|--------------|
| Frequency Band    | 2250~2350MHz |
| Nominal Impedance | 50 ohm       |
| Polarization      | Vertical     |
| V.S.W.R           | 2.0:1        |
| Power             | 1.5W         |
| Peak Gain         | 2db          |

### 1.2 Mechanical Properties

| Parameter                   | Description      |
|-----------------------------|------------------|
| Antenna Type                | External Antenna |
| Antenna Cover               | TPU              |
| Touch Type                  | Screw Type       |
| Connector Type              | SMA 180°(Male)   |
| Antenna Dimensions          | 108mm±2          |
| Antenna Color               | Black            |
| Operating Temperature Range | -30°C~+70°C      |
| Storage Temperature Range   | -30°C~+70°C      |



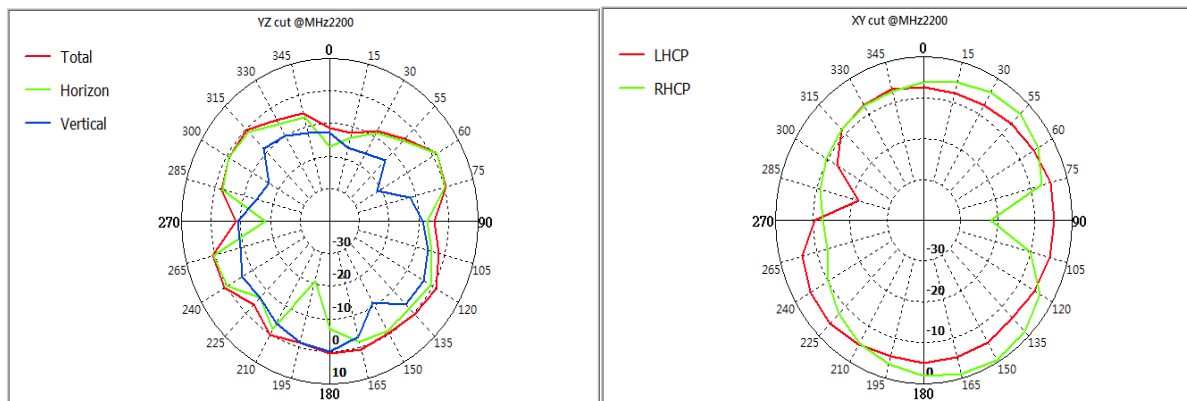
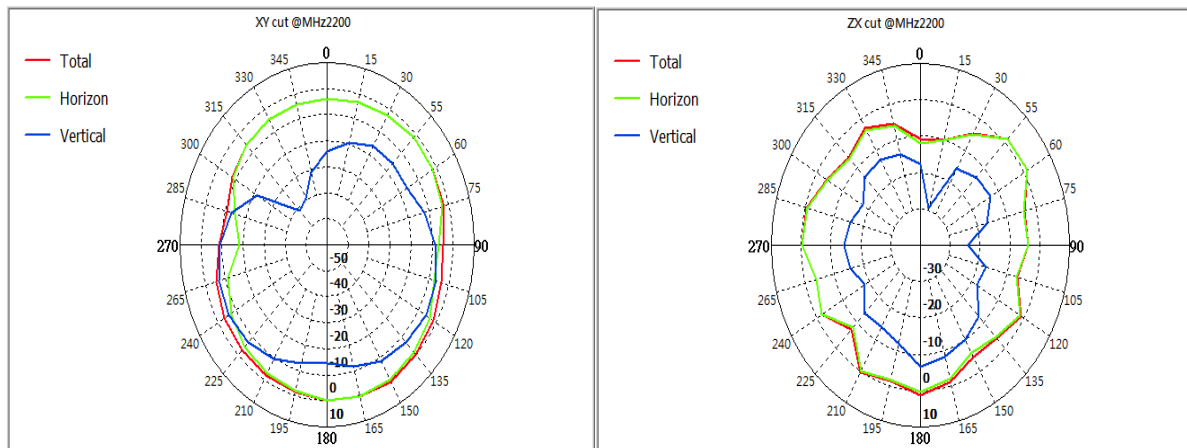


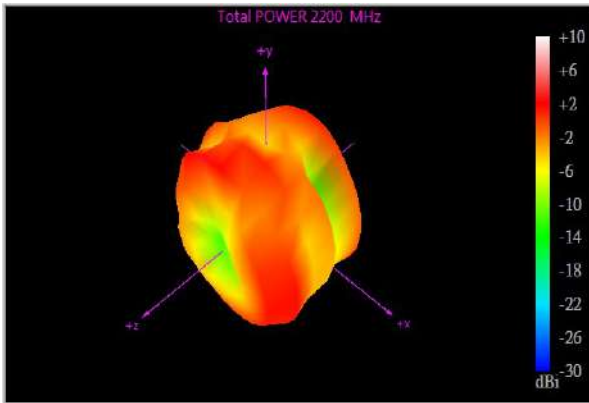
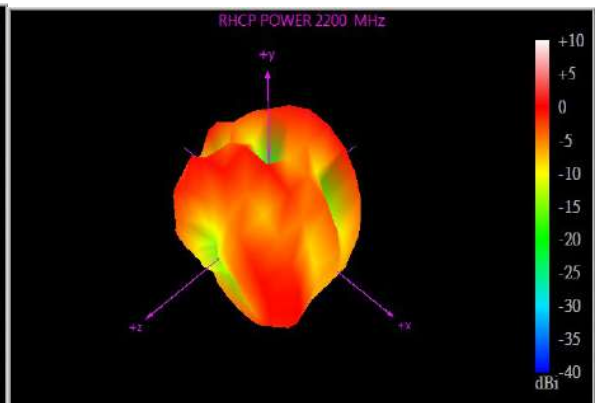
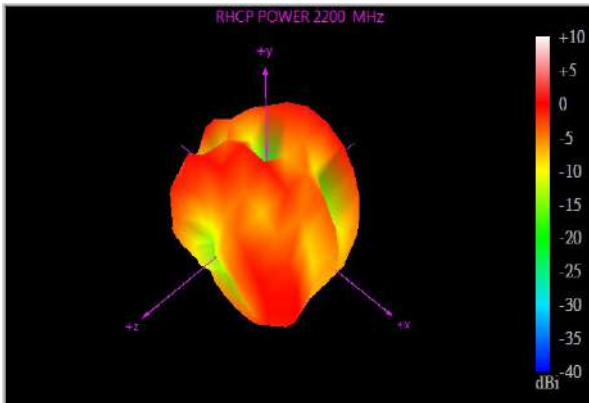
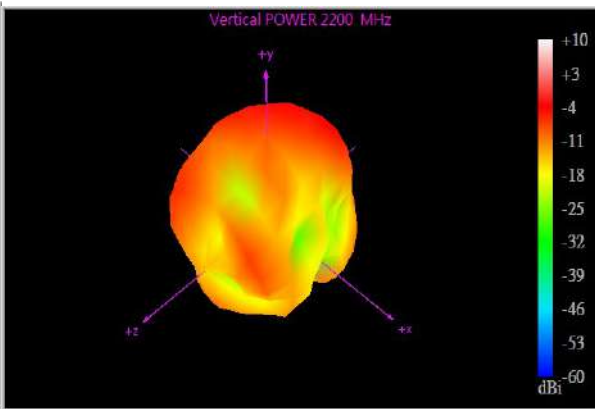
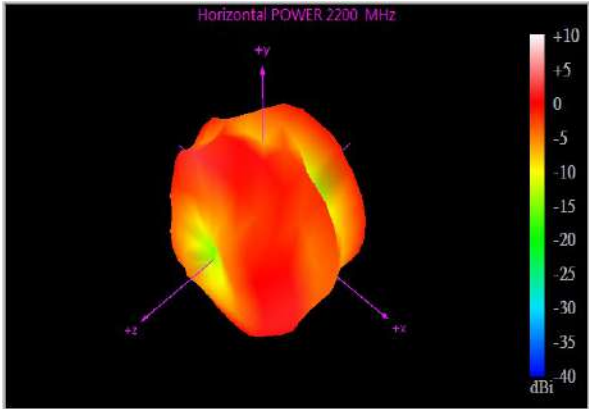
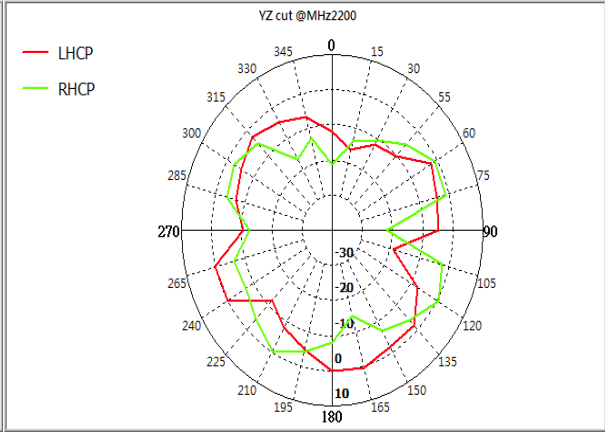
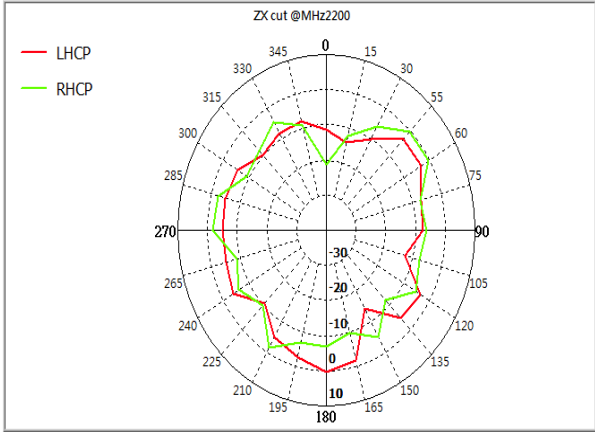


### 3D Total

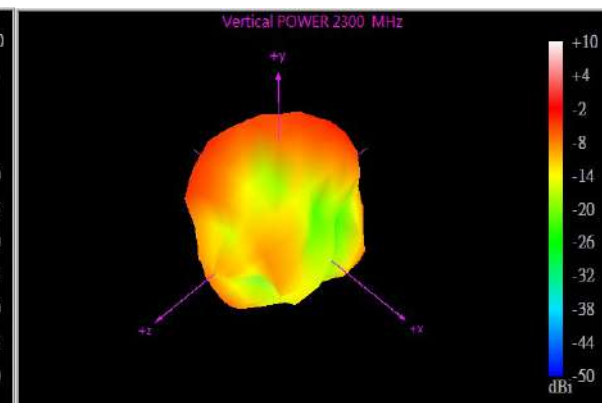
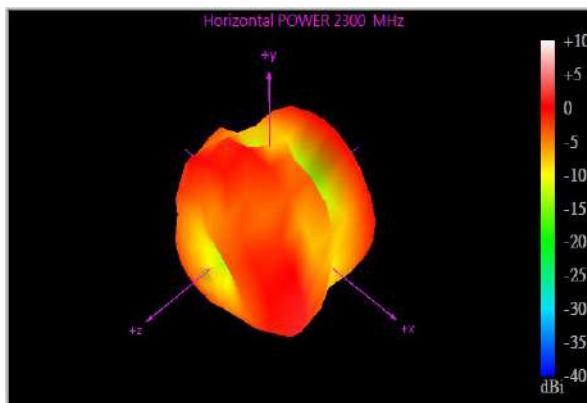
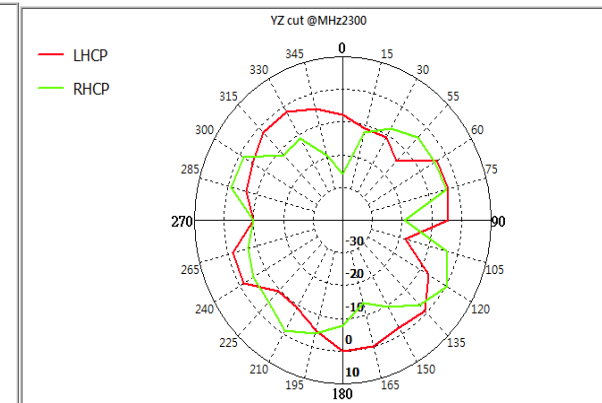
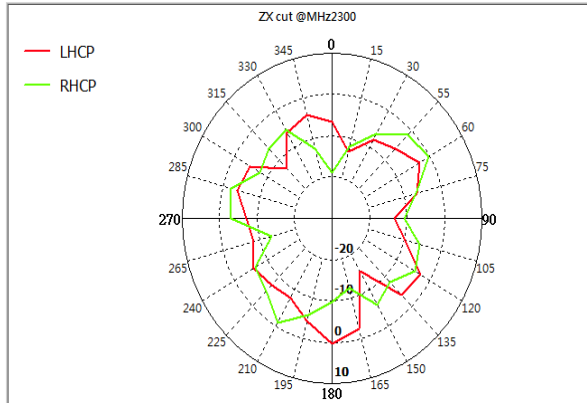
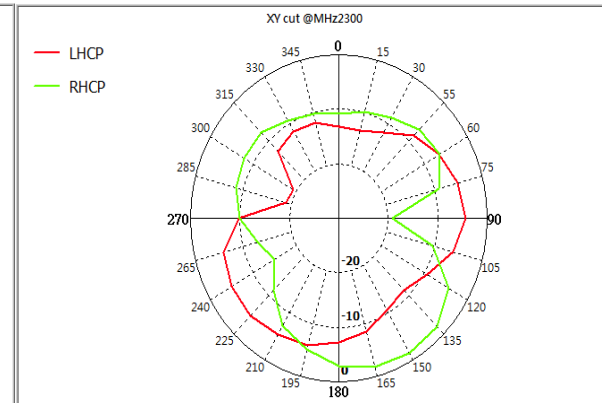
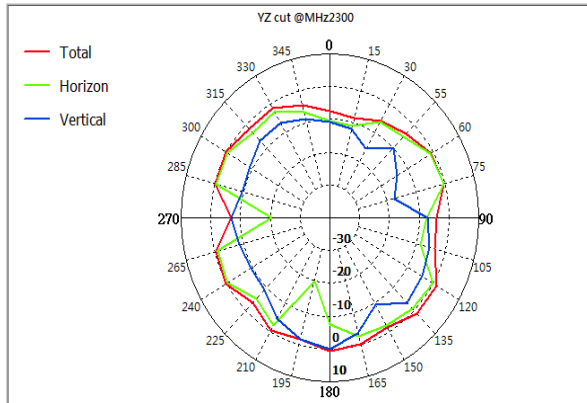
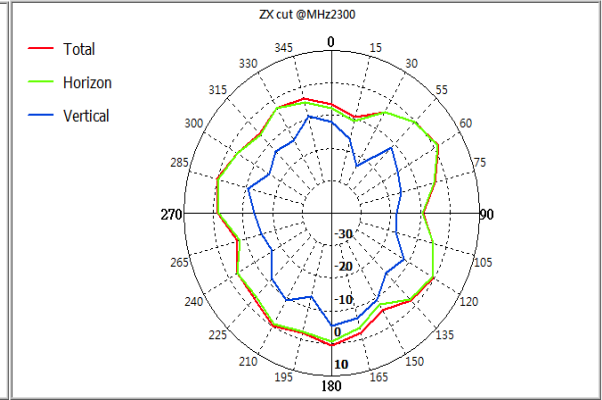
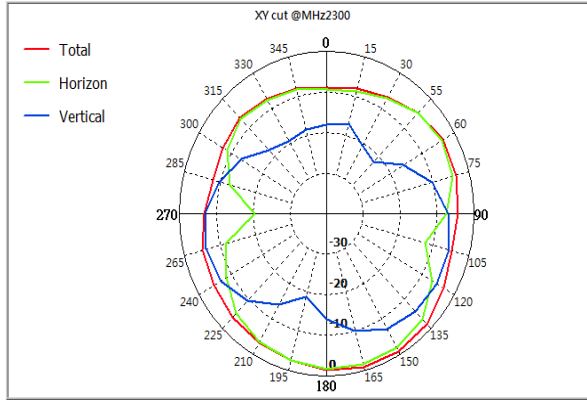
| Frequency (MHz) | Upper Hem. PRP (dBm) | Lower HEM. PRP (dBm) | Efficiency (dB) | Efficiency (%) | Gain (dBi) | Tot. Rad.Pwr. (dBm) |
|-----------------|----------------------|----------------------|-----------------|----------------|------------|---------------------|
| 2100 MHz        | -6.67                | -5.06                | -2.78           | 52.70          | 2.30       | -2.78               |
| 2110 MHz        | -6.19                | -4.76                | -2.40           | 57.49          | 2.39       | -2.40               |
| 2140 MHz        | -6.13                | -4.88                | -2.45           | 56.88          | 2.11       | -2.45               |
| 2170 MHz        | -6.22                | -5.40                | -2.78           | 52.71          | 1.66       | -2.78               |
| 2200 MHz        | -5.34                | -4.99                | -2.15           | 60.90          | 2.54       | -2.15               |
| 2300 MHz        | -5.35                | -5.46                | -2.39           | 57.62          | 1.67       | -2.39               |
| 2325 MHz        | -4.76                | -4.79                | -1.77           | 66.60          | 2.46       | -1.77               |
| 2350 MHz        | -5.79                | -5.67                | -2.72           | 53.43          | 1.47       | -2.72               |
| 2375 MHz        | -6.11                | -5.85                | -2.97           | 50.51          | 1.27       | -2.97               |
| 2400 MHz        | -6.46                | -6.19                | -3.31           | 46.63          | 0.93       | -3.31               |
| 2450 MHz        | -6.35                | -6.02                | -3.17           | 48.16          | 0.68       | -3.17               |
| 2500 MHz        | -5.97                | -6.11                | -3.03           | 49.81          | 0.98       | -3.03               |

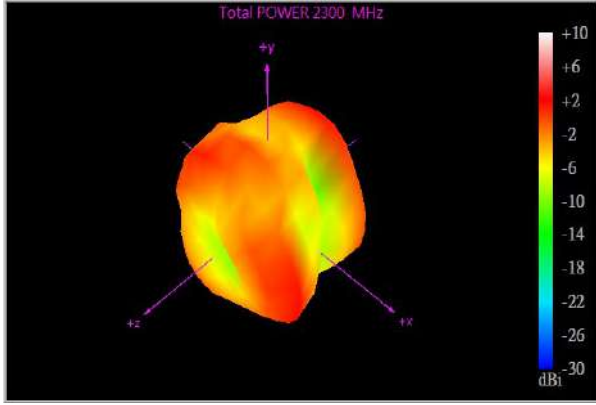
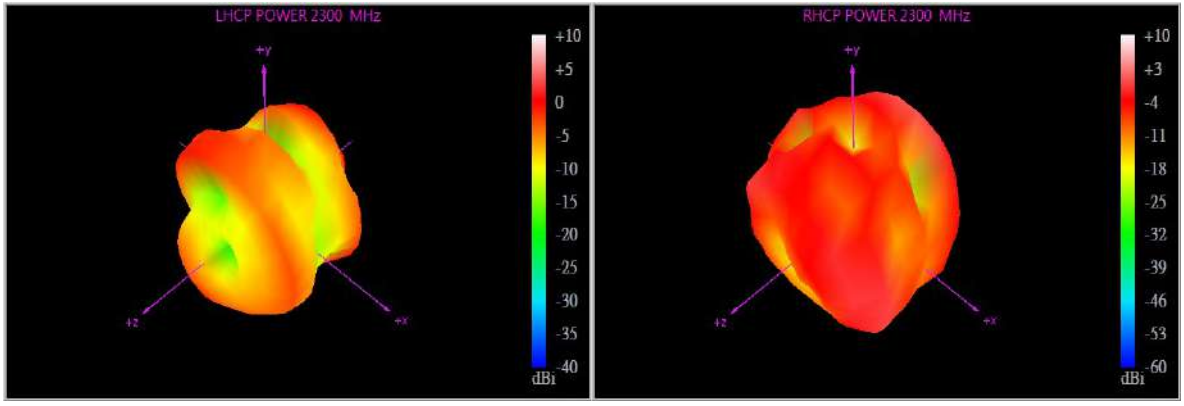
### 2200MHz:





# 2300Mhz:





**2350Mhz:**

