

900 & 2.4G Band Flexible Cable Antenna

MODEL: TH-9024F



1.. GENERAL DESCRIPTION

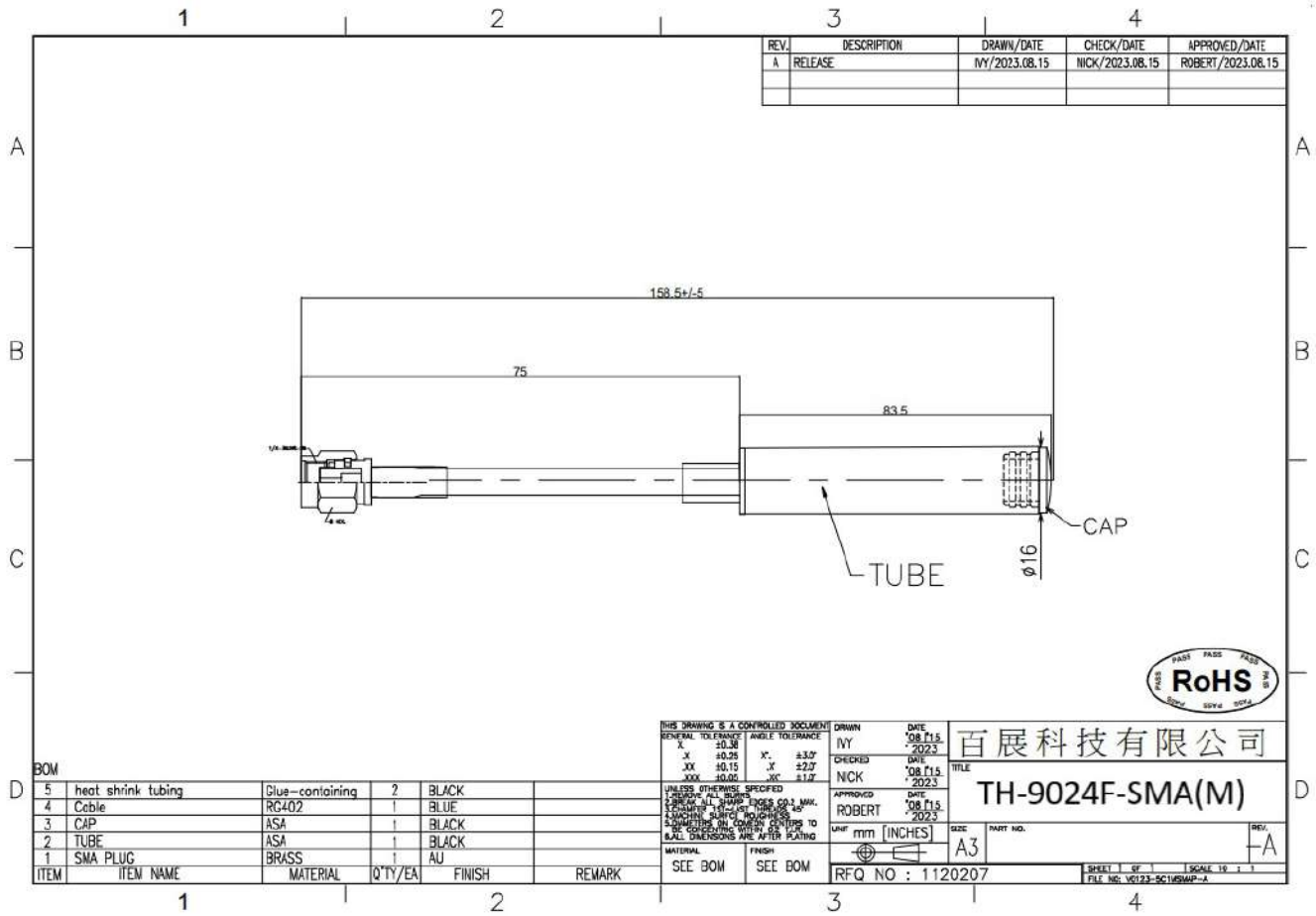
| Model No |
|----------------|
| TH9024F-SMA(M) |

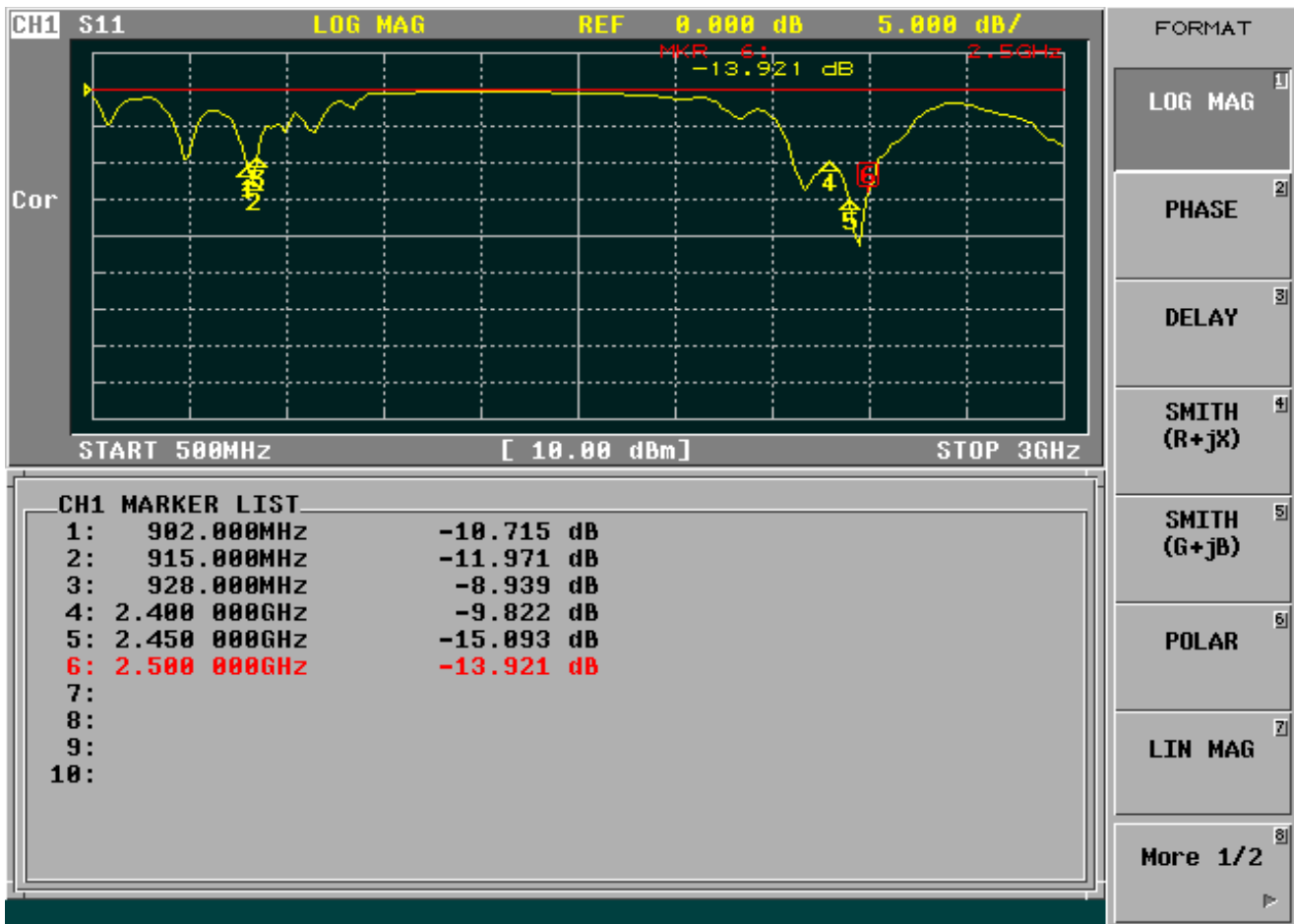
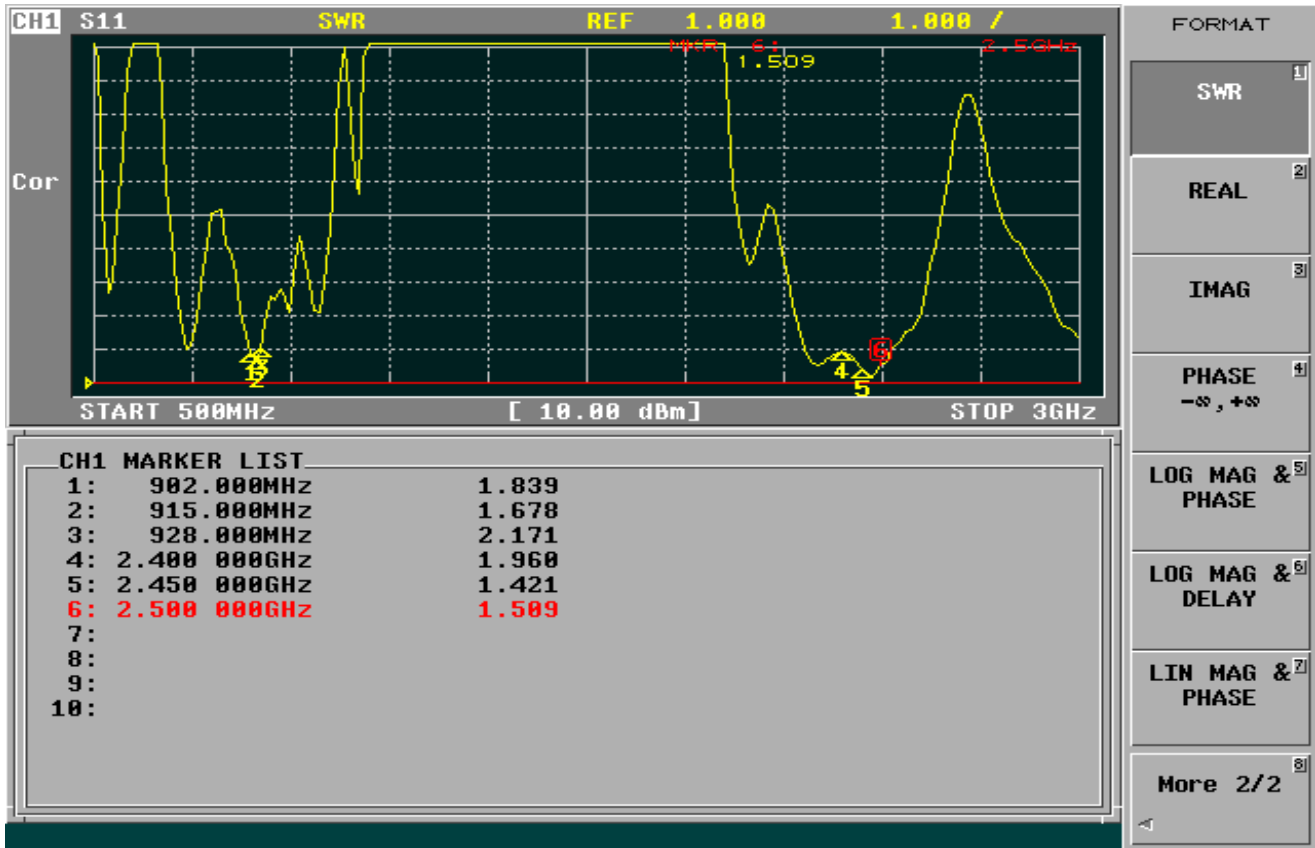
1.1 Electrical Properties

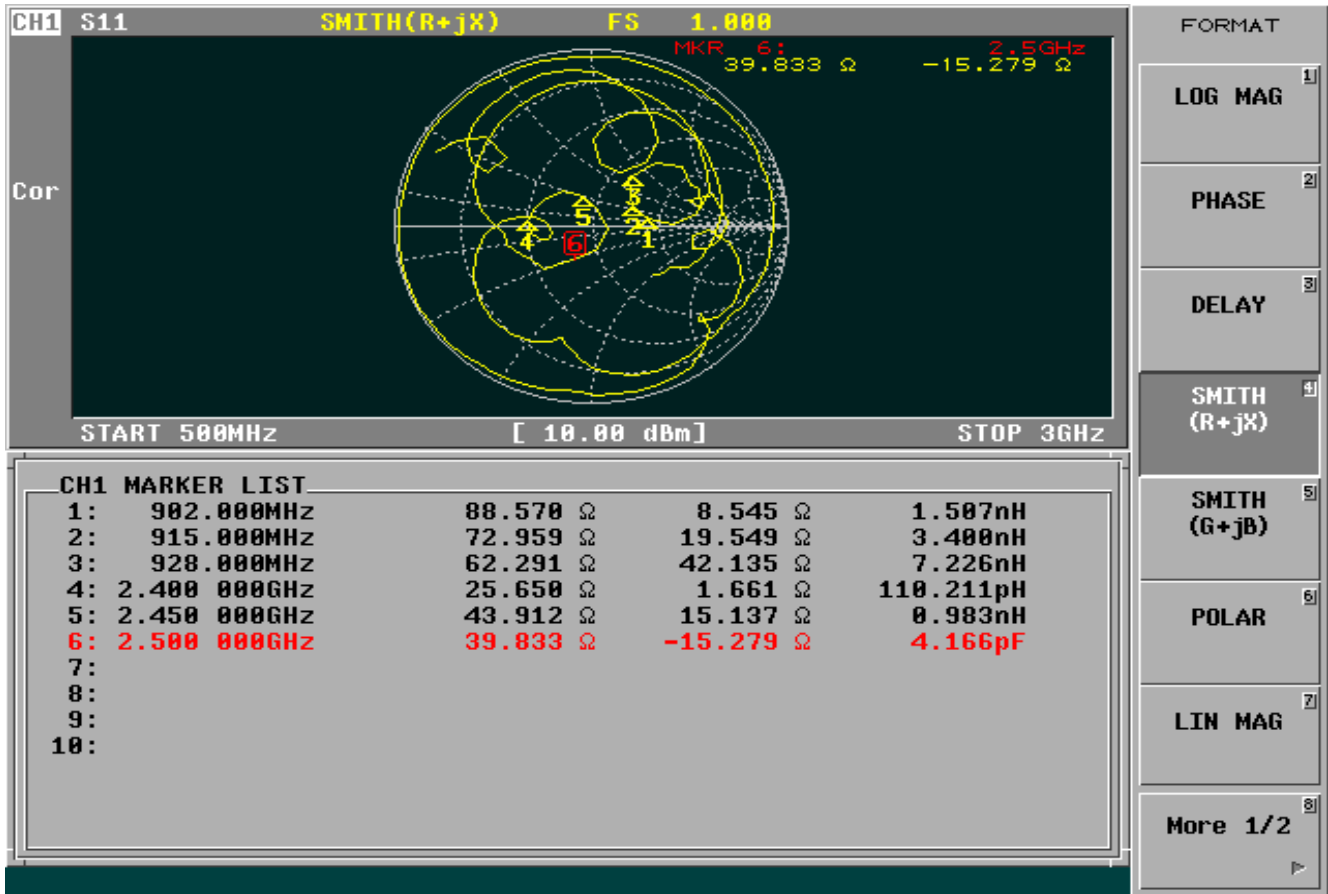
| Parameter | Description |
|-------------------|-------------------------|
| Frequency Band | 902~928Mhz & 2.4~2.5GHz |
| Nominal Impedance | 50 ohm |
| Polarization | Vertical |
| V.S.W.R | 2.5:1 |
| Peak Gain | -1~ 2dbi |
| Power | 10W |

1.2 Mechanical Properties

| Parameter | Description |
|-----------------------------|------------------------------------|
| Antenna Type | External Antenna |
| Material | ASA |
| Touch Type | Screw Type |
| Connector Type | SMA connector (Male) / RG402 Cable |
| Antenna Dimensions | OD16 x158.5mm ±5 |
| Weight | 30g |
| Antenna Color | Black |
| Operating Temperature Range | -40°C~+85°C |
| Storage Temperature Range | -40°C~+85°C |
| Waterproof | IP67 |



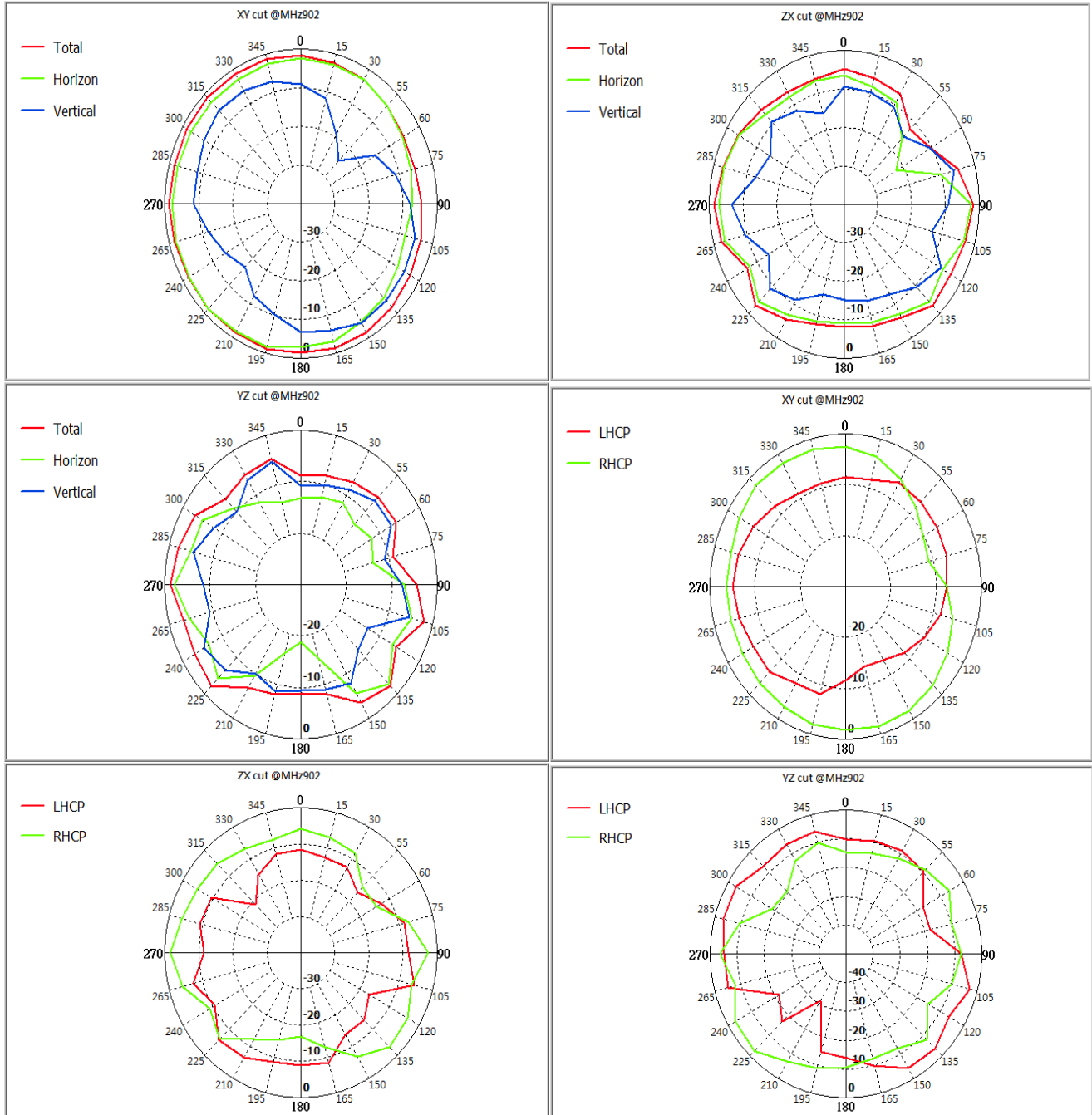


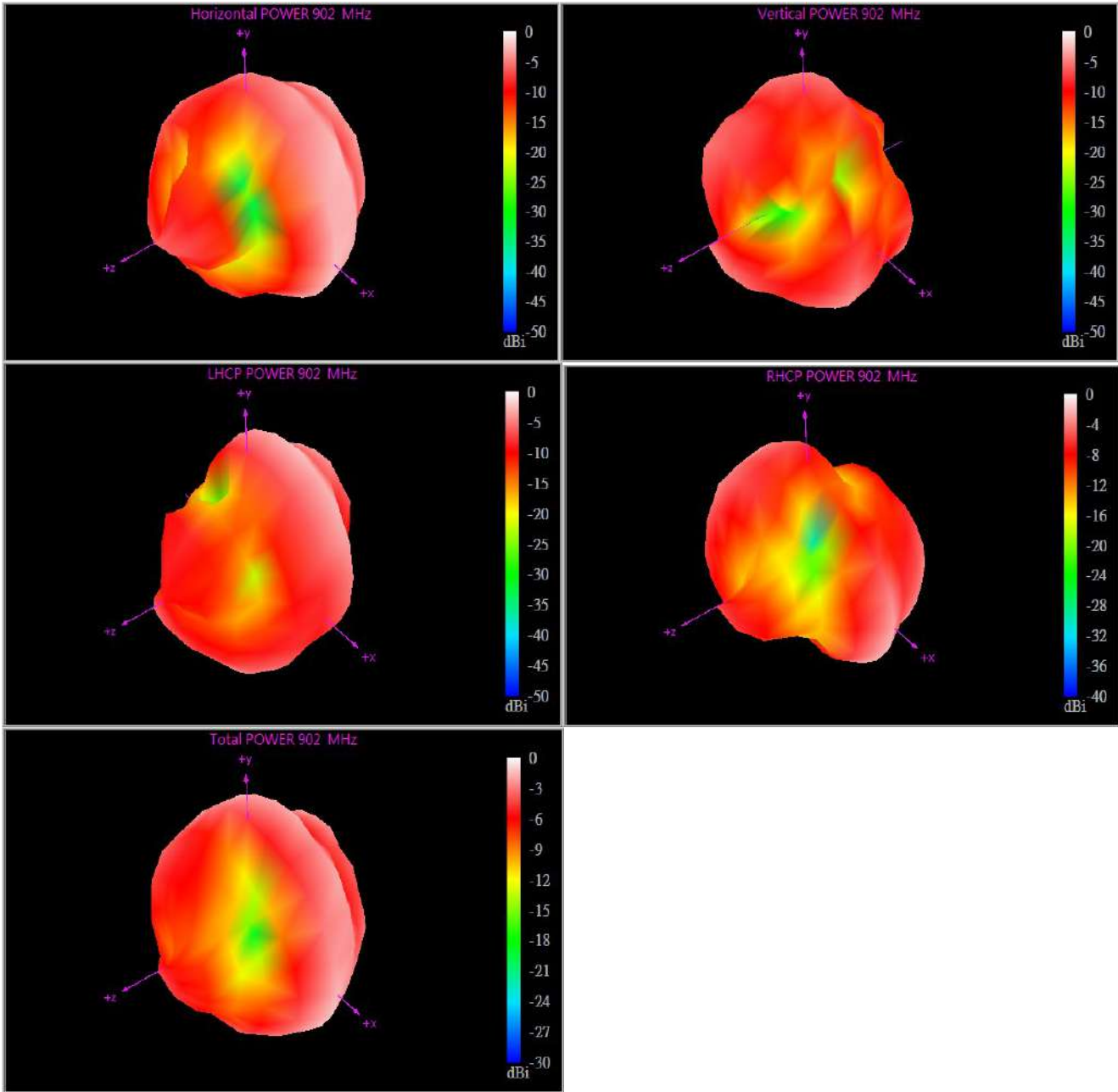


3D Total

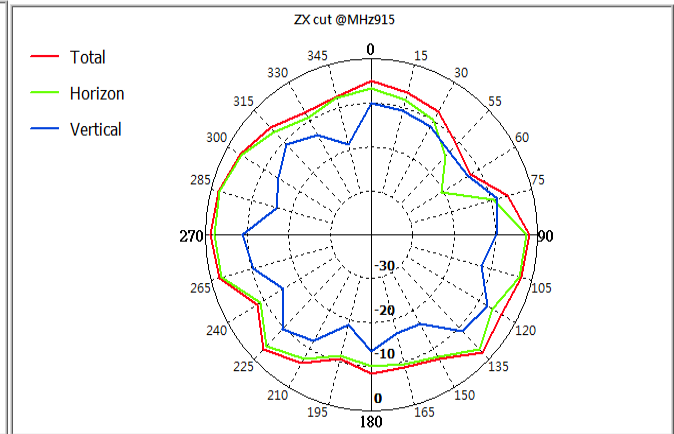
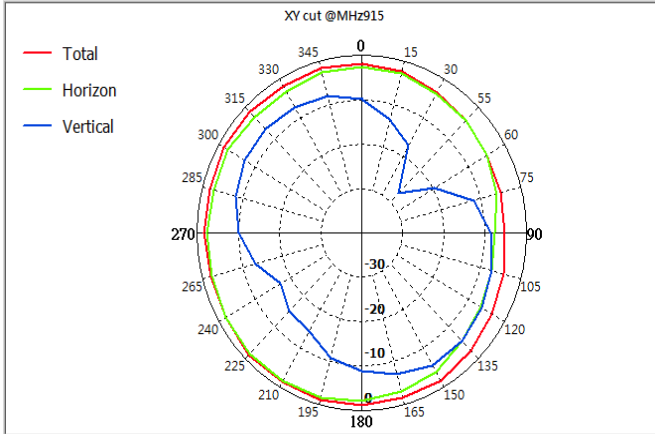
| Frequency (MHz) | Upper Hem. PRP (dBm) | Lower HEM. PRP (dBm) | Efficiency (dB) | Efficiency (%) | Gain (dBi) | Tot. Rad.Pwr. (dBm) |
|-----------------|----------------------|----------------------|-----------------|----------------|------------|---------------------|
| 902 MHz | -8.01 | -6.81 | -4.36 | 36.65 | -0.98 | -4.36 |
| 915 MHz | -8.35 | -6.96 | -4.59 | 34.77 | -1.08 | -4.59 |
| 928 MHz | -8.28 | -6.57 | -4.33 | 36.89 | -0.55 | -4.33 |
| 2400 MHz | -7.69 | -6.27 | -3.91 | 40.62 | 1.93 | -3.91 |
| 2450 MHz | -7.09 | -5.88 | -3.44 | 45.34 | 2.30 | -3.44 |
| 2500 MHz | -7.53 | -6.41 | -3.92 | 40.51 | 2.45 | -3.92 |

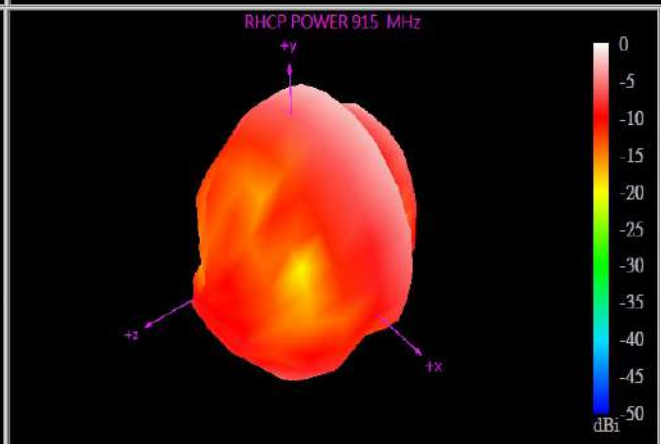
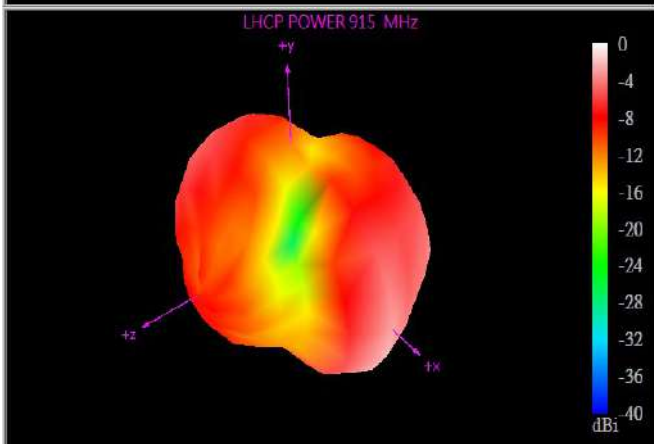
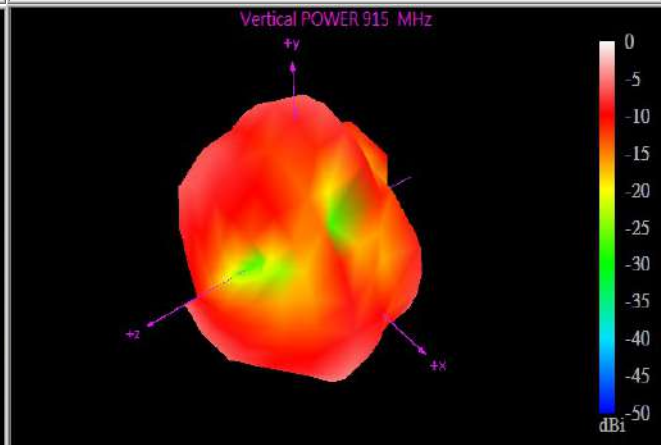
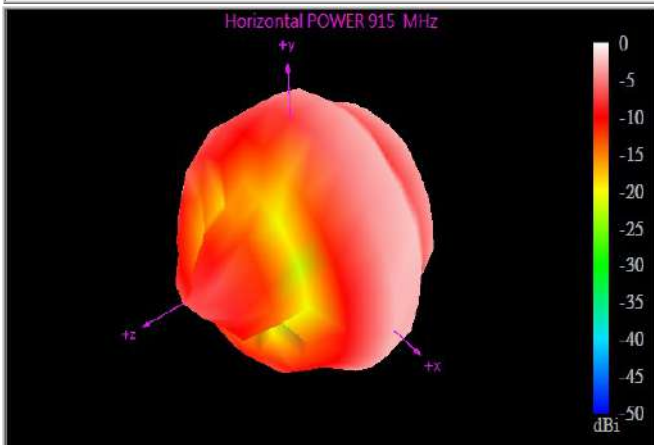
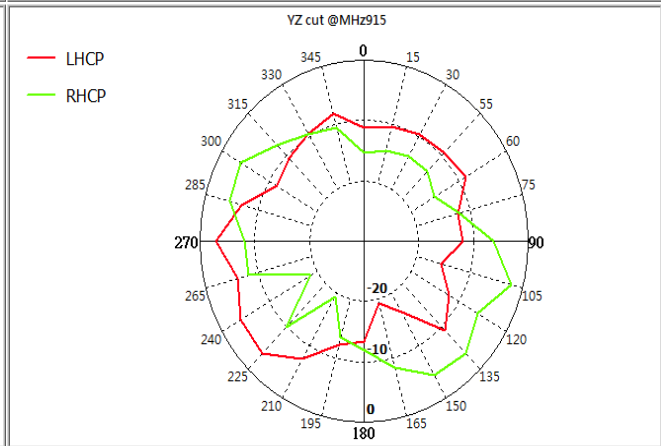
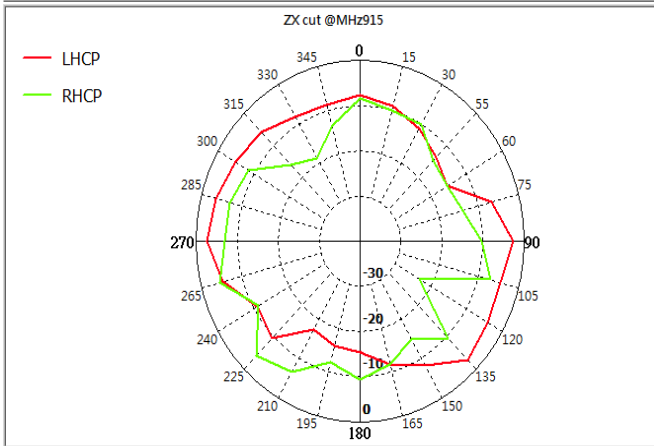
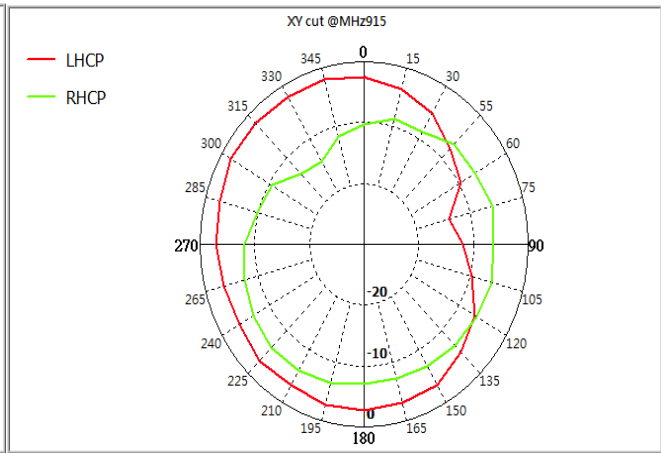
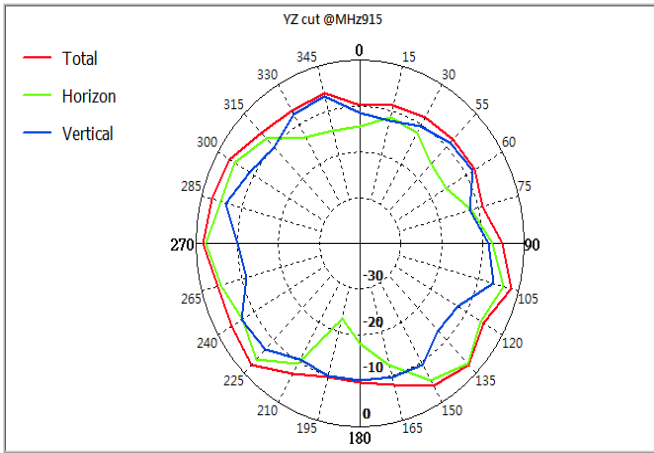
902Mhz :

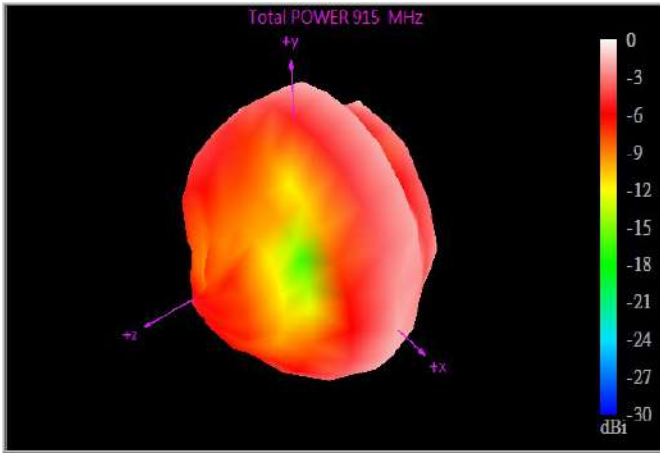




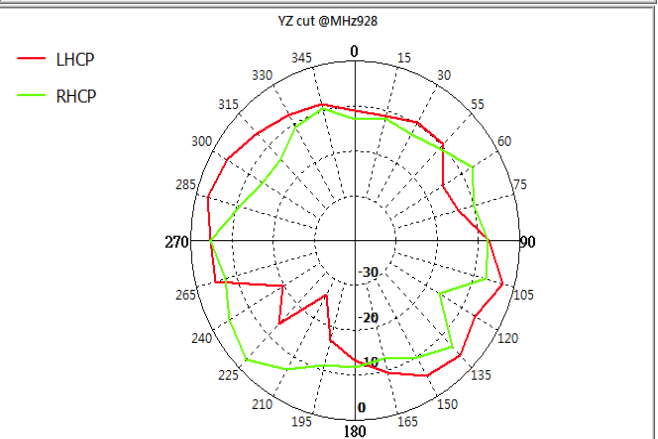
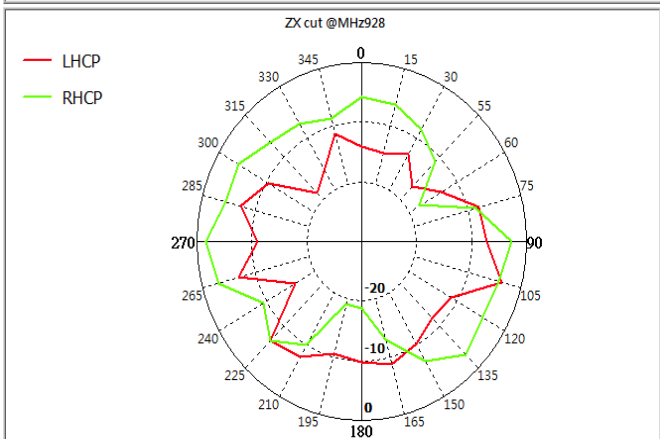
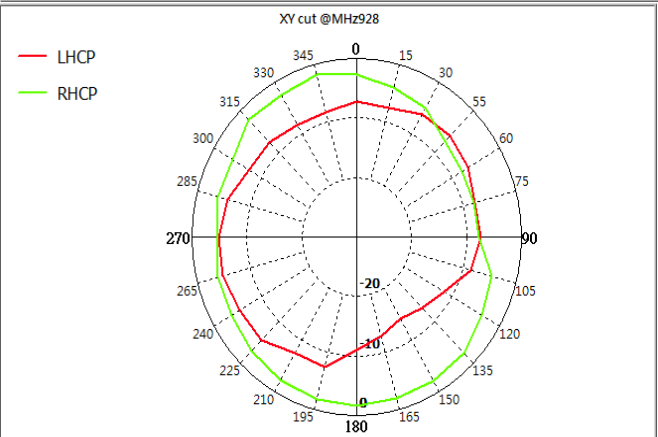
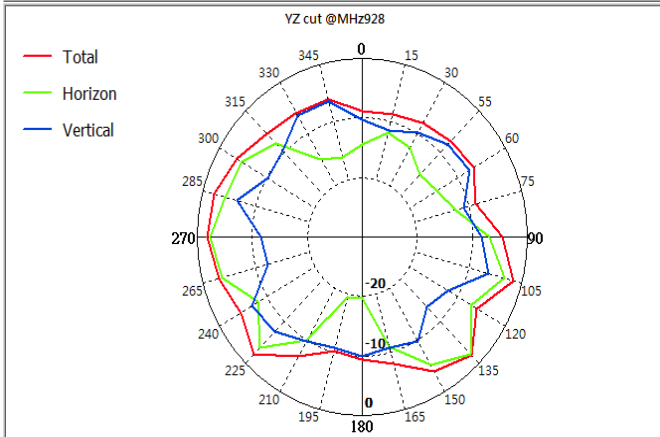
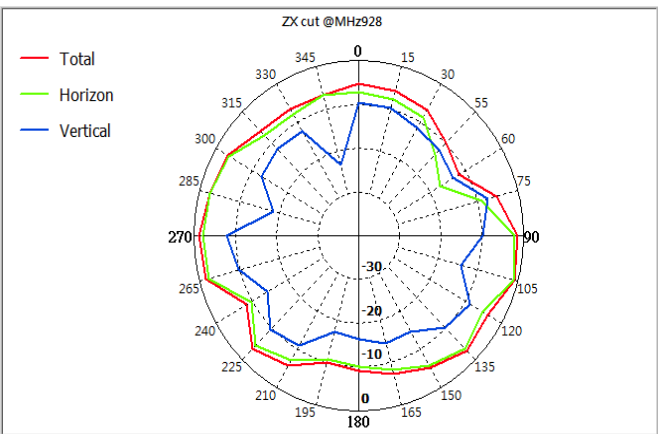
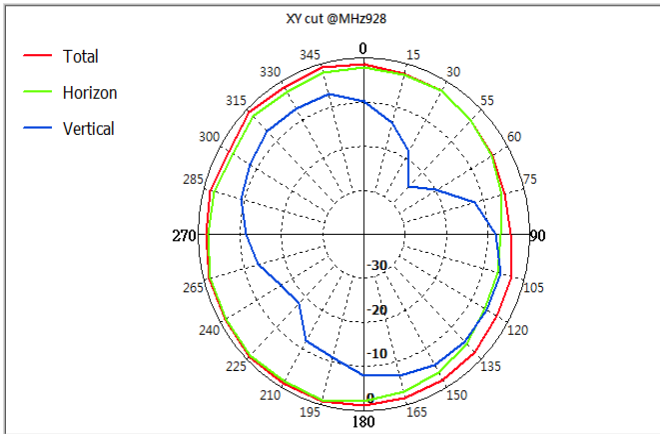
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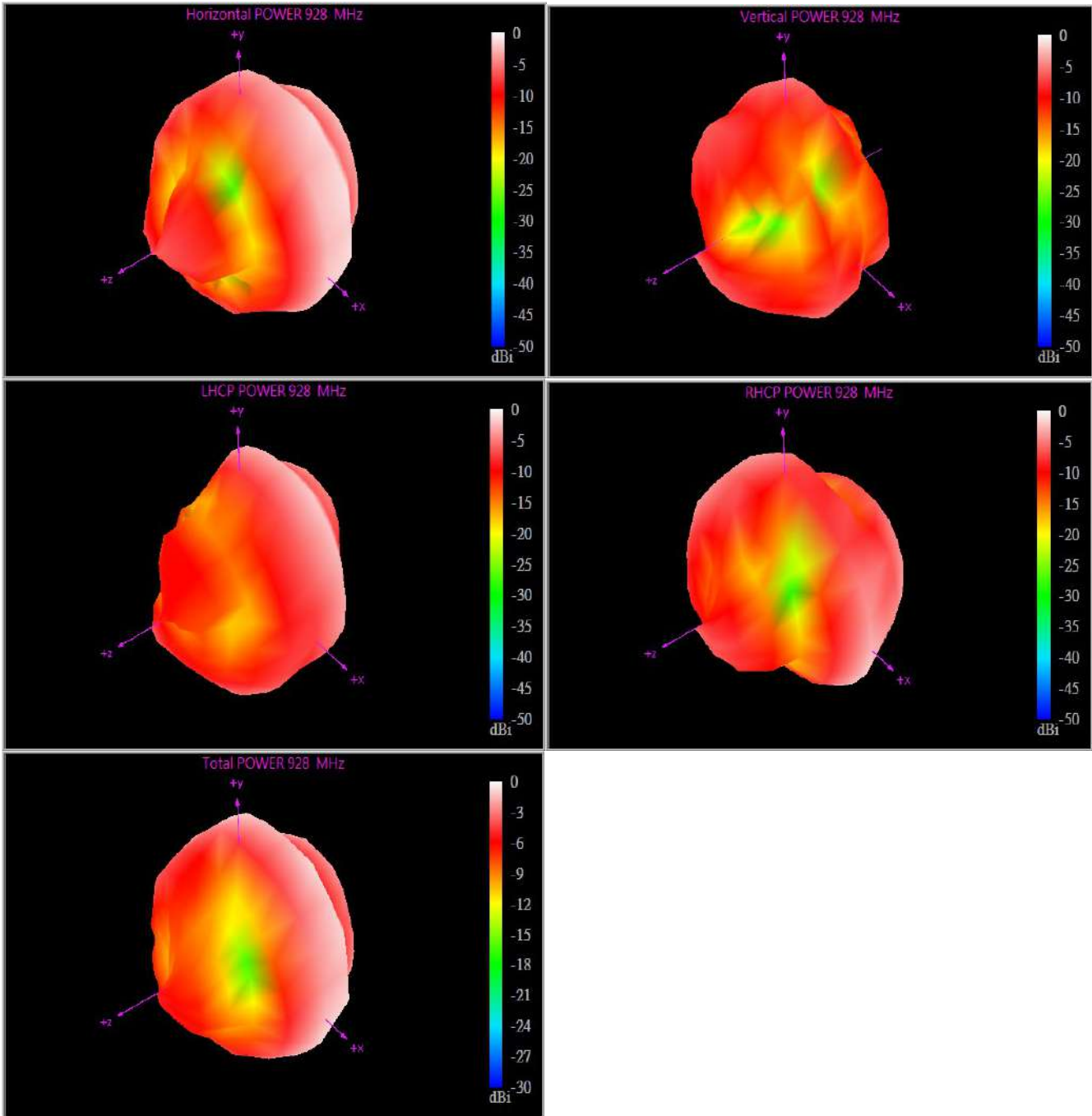




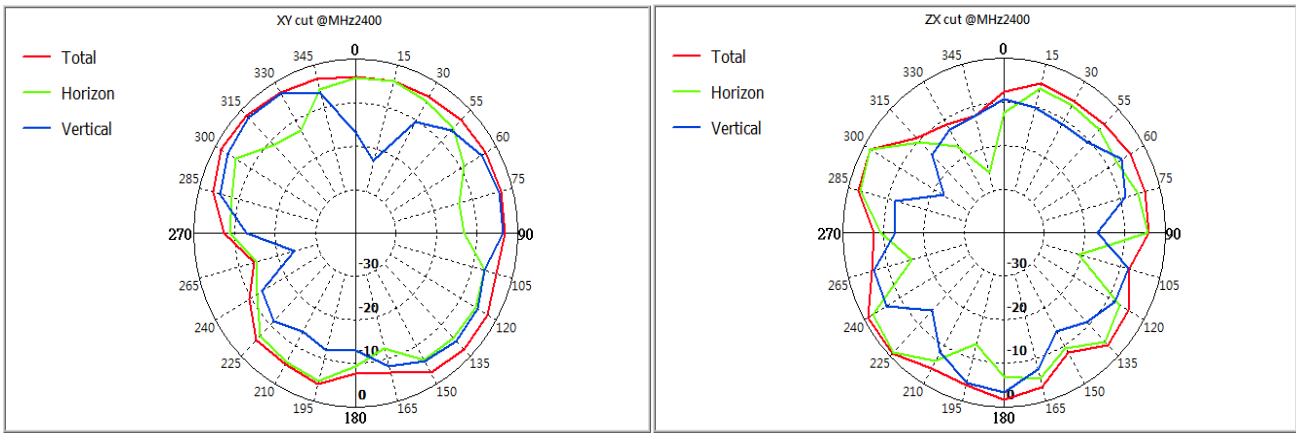


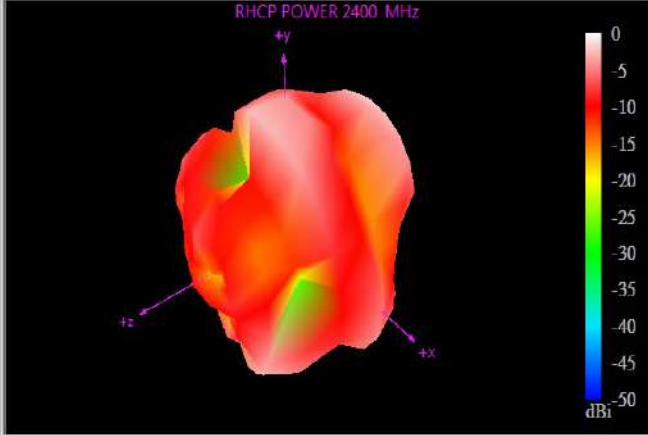
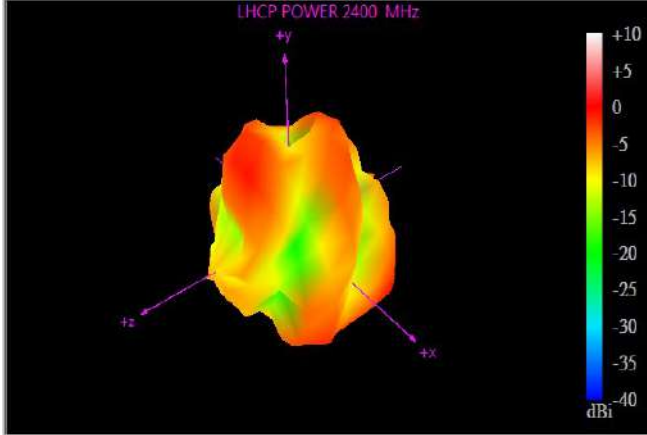
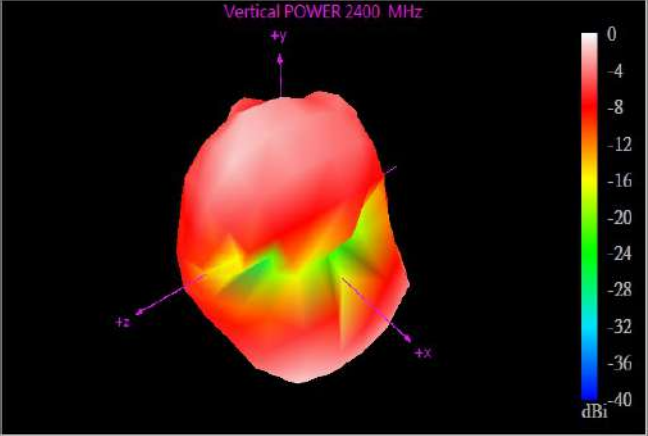
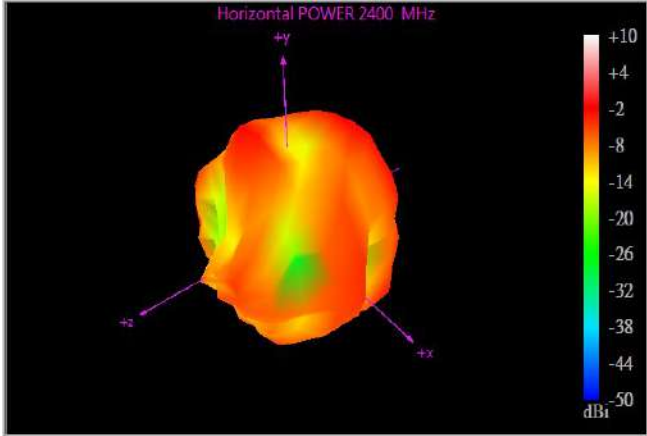
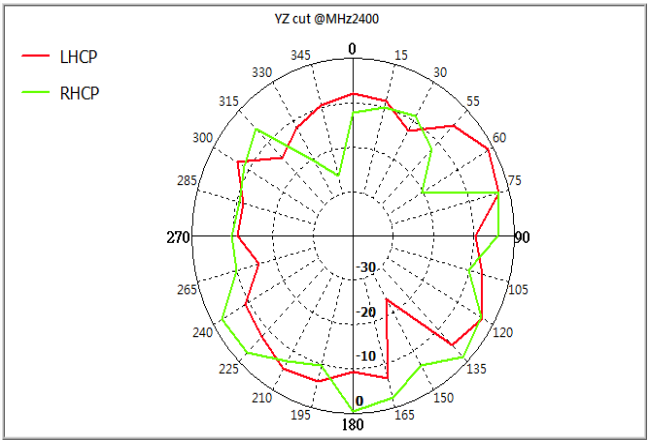
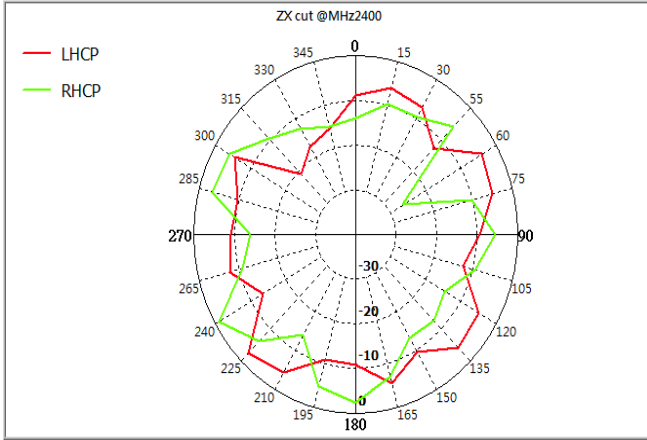
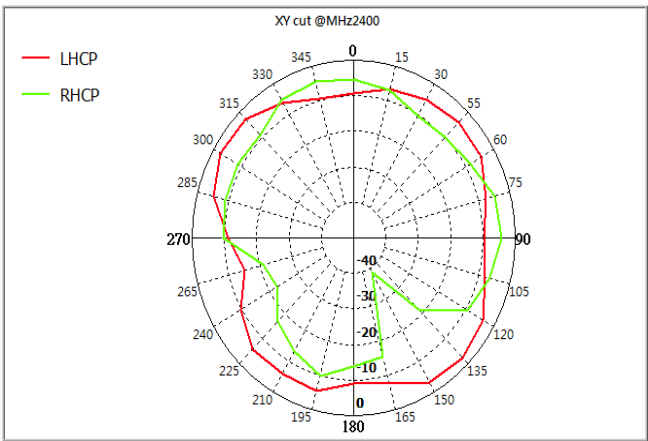
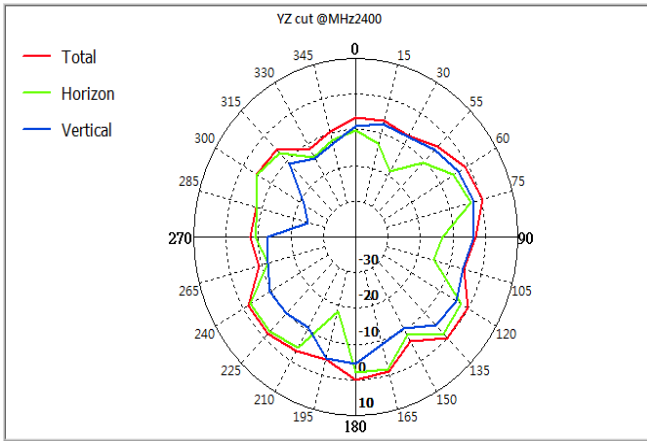
928Mhz:

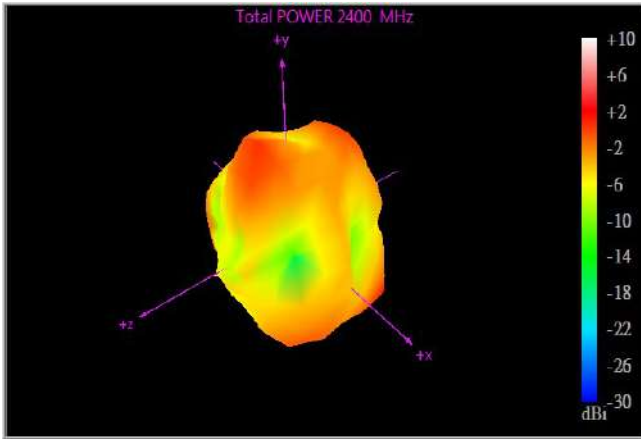




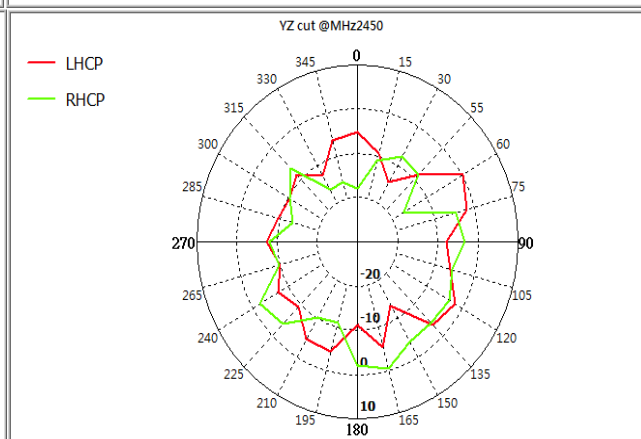
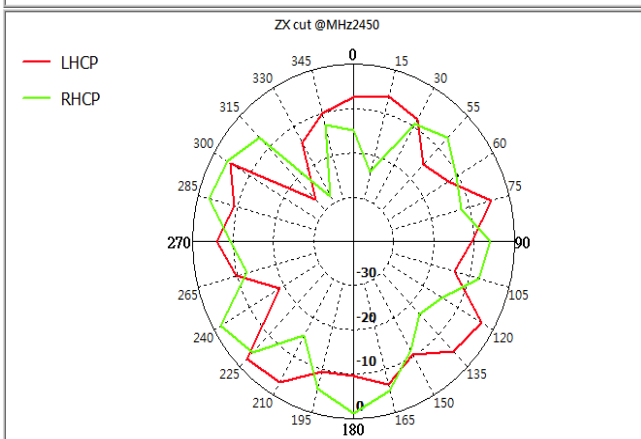
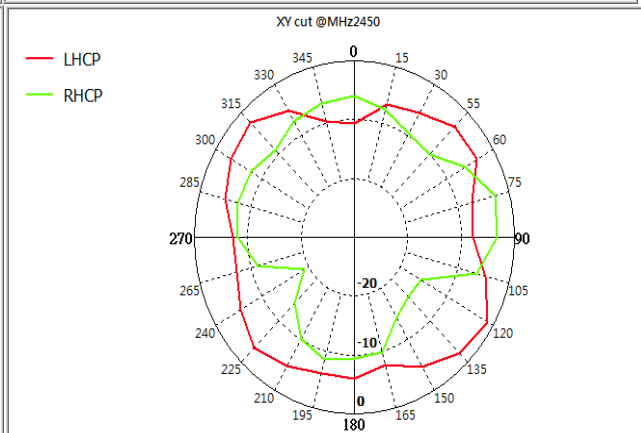
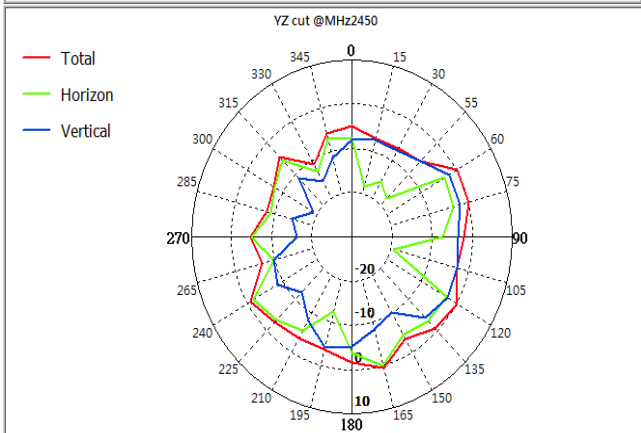
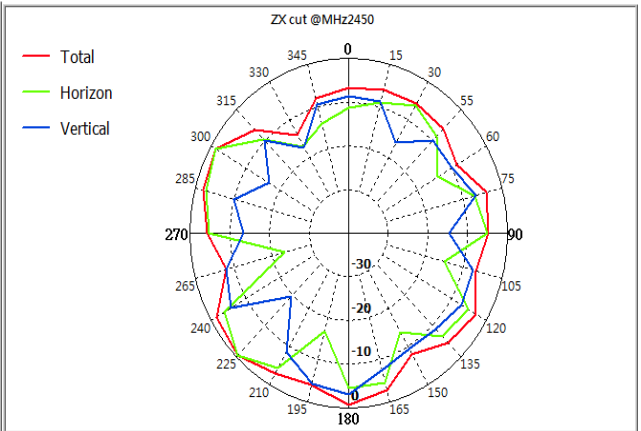
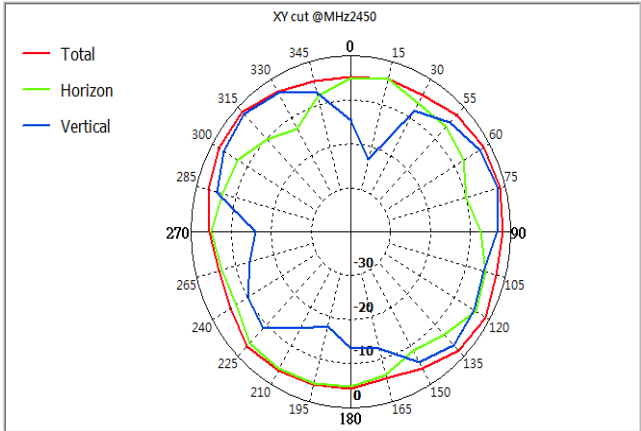
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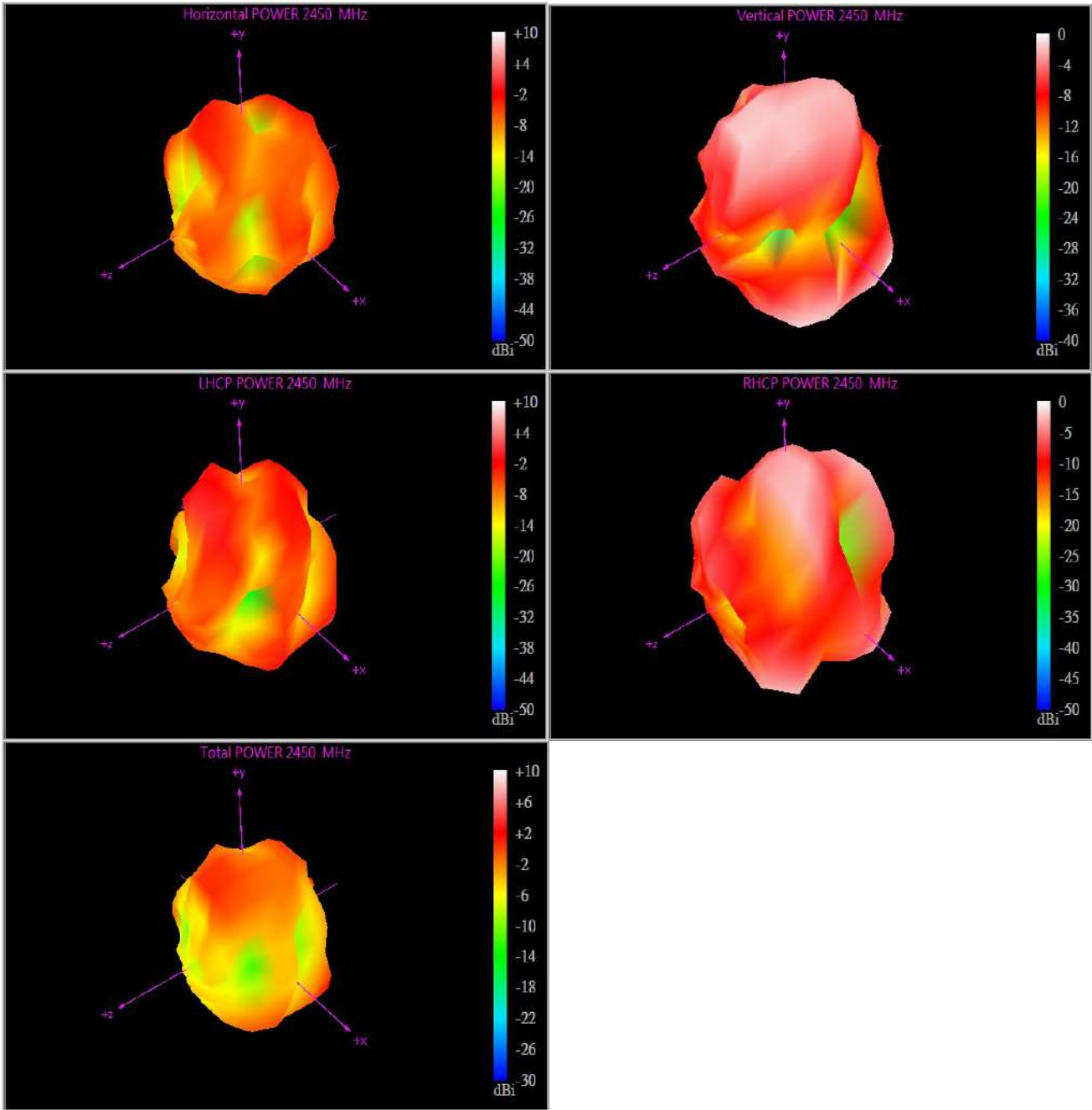






2450Mhz:





2500Mhz:

