

# UHF / RFID & LORA Passive Antenna

## MODEL: MA-824

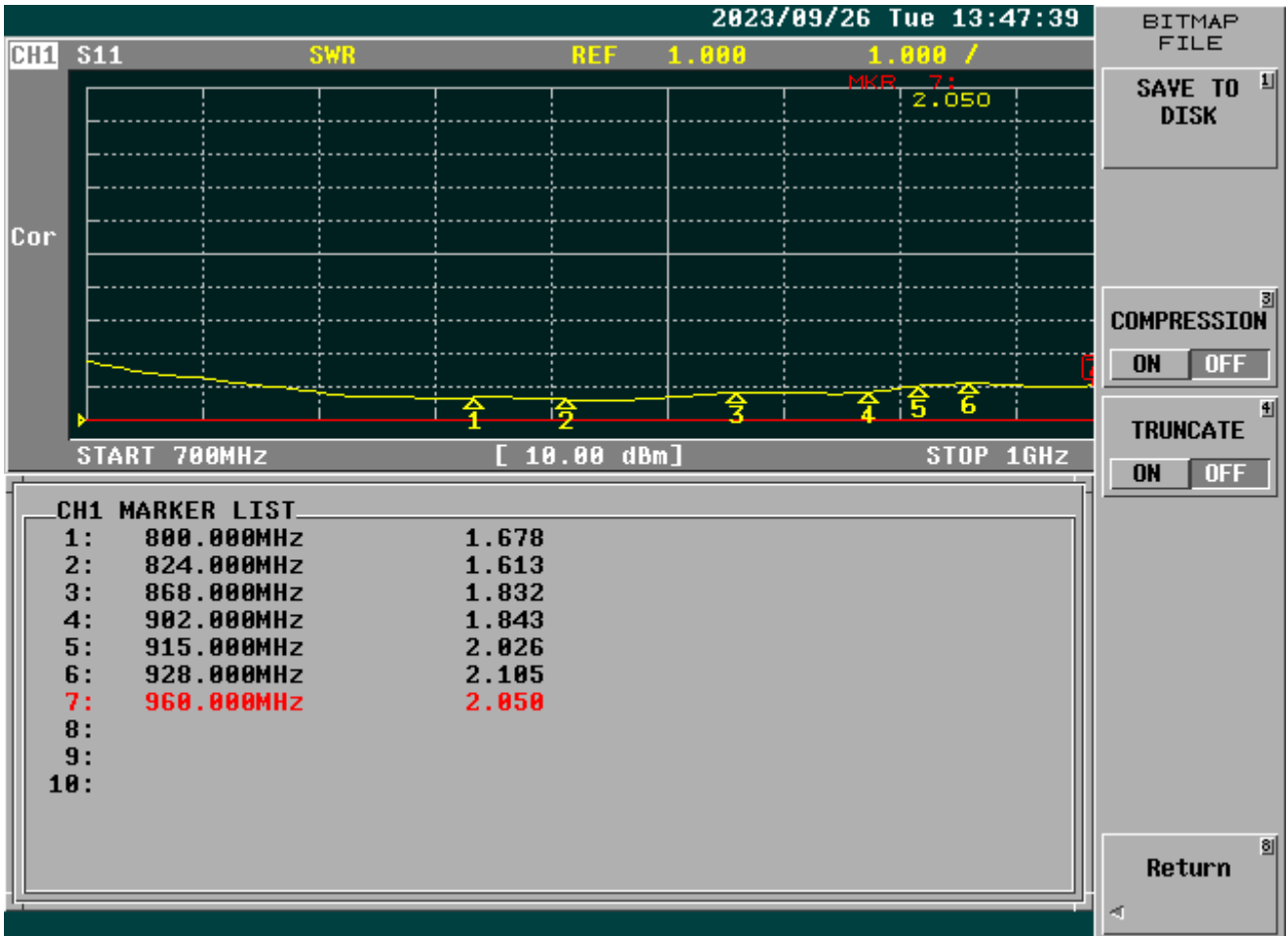


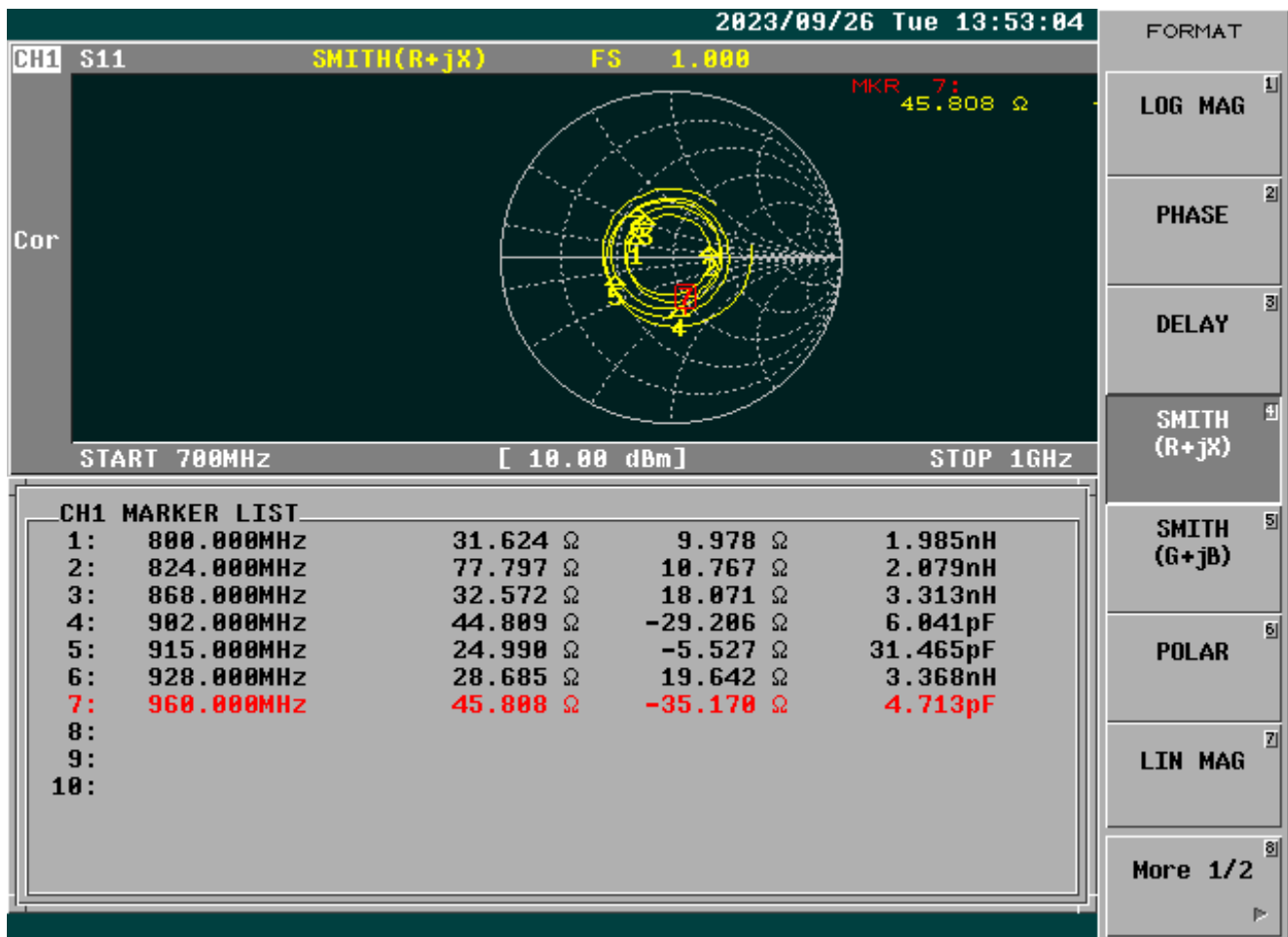
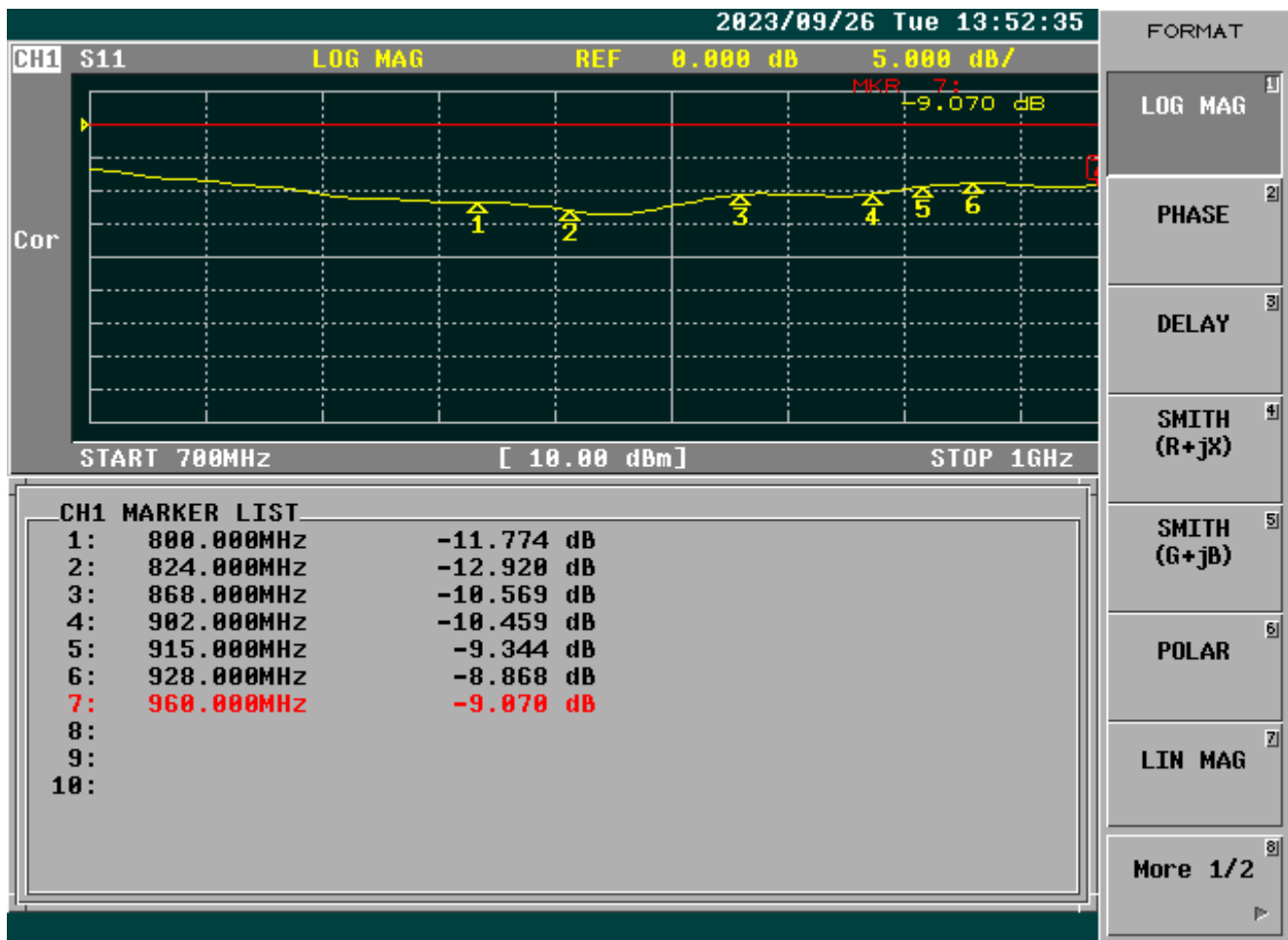
### 1. Electrical Properties

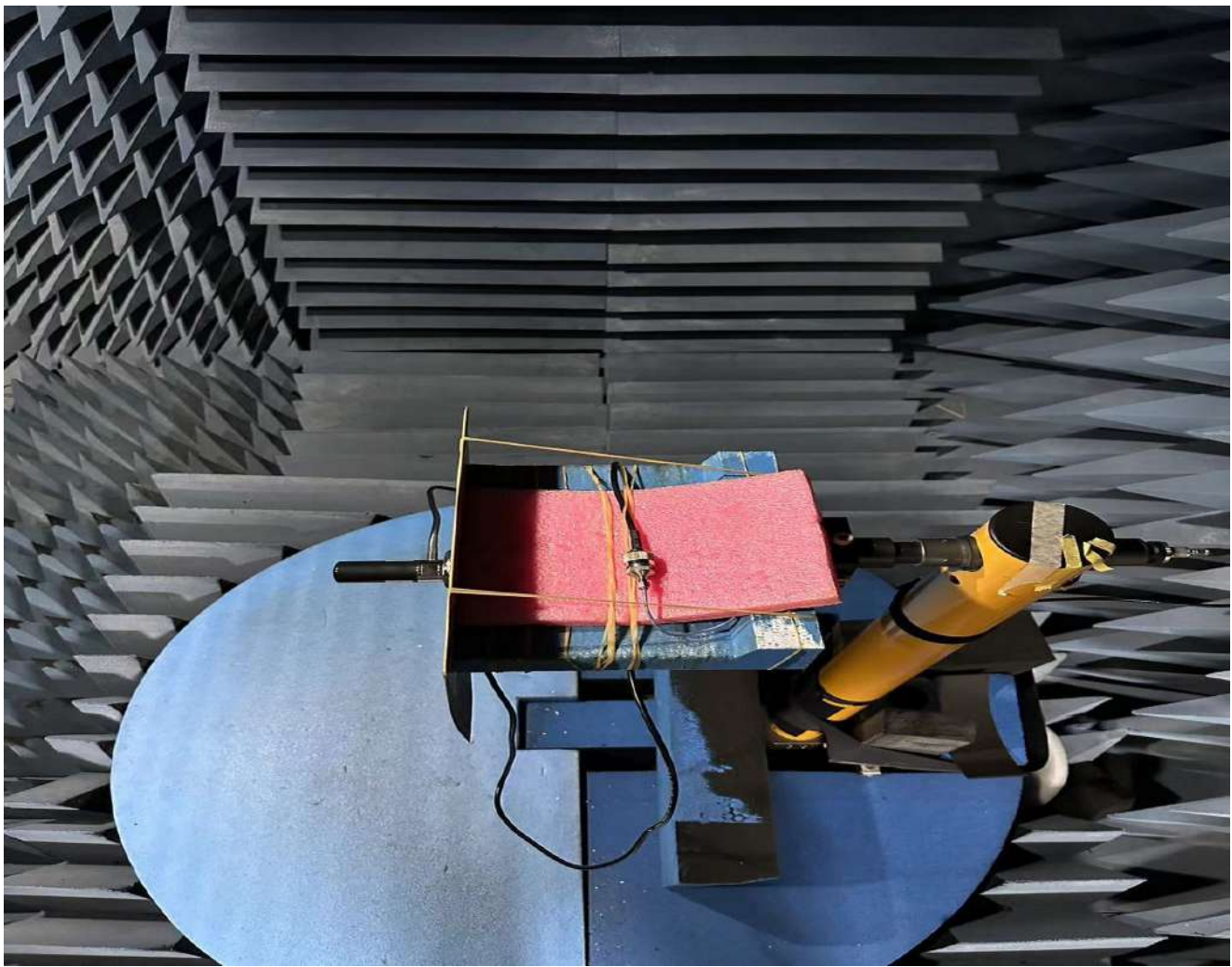
Parameter	Description
Frequency Band	800~960Mhz ON 240x320mm GND Test
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.5:1
Antenna Peak Gain	2.5 dBi

### 2. Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Touch Type	SUS430 Magnet Base mounting
Connector Type	SMA(M) or TNC(M) or N(M) or other
Antenna Dimensions	55.0 mm $\pm$ 3 (without Magnet base mounting)
Antenna Cable Total Length	CFD200-2000 mm $\pm$ 30 or other
Antenna Color	Black
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C
Waterproof	IPX7



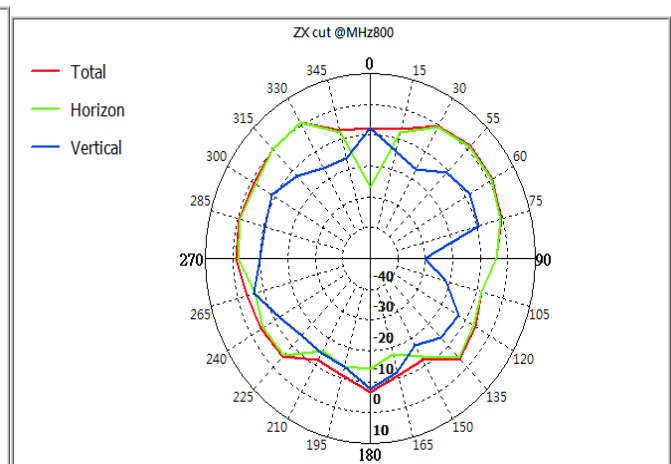
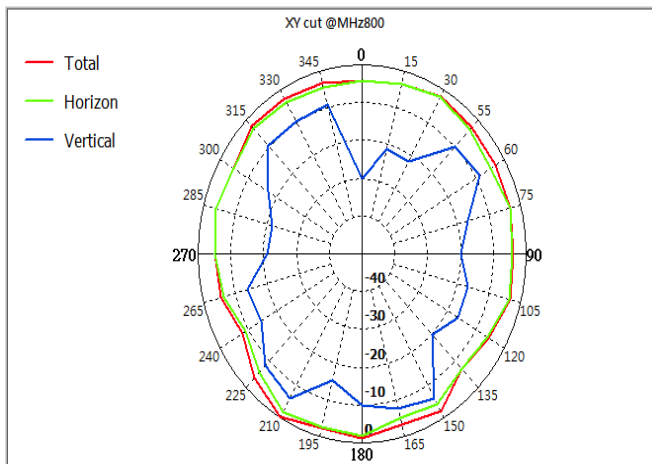


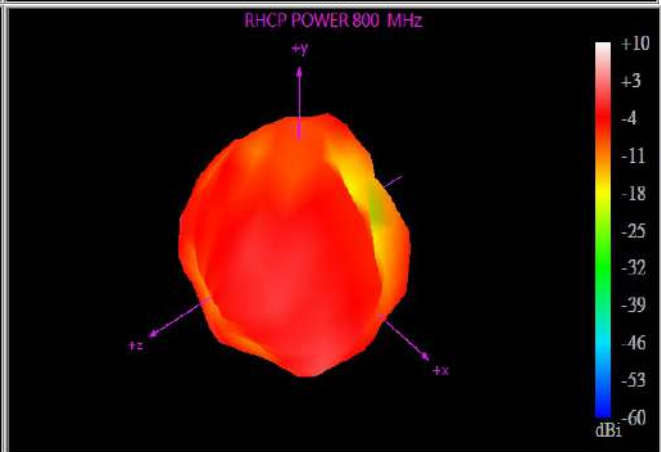
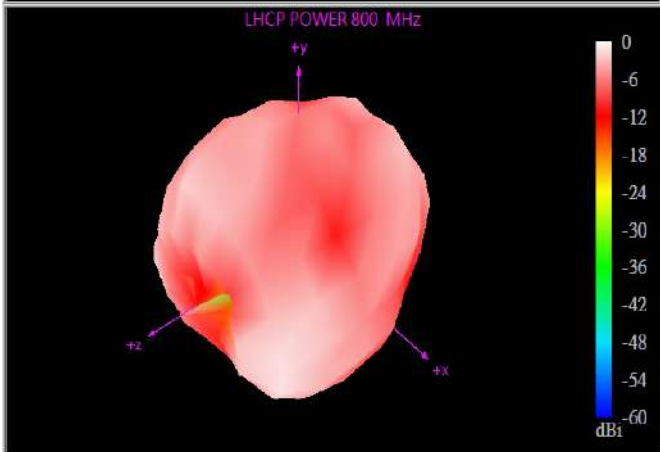
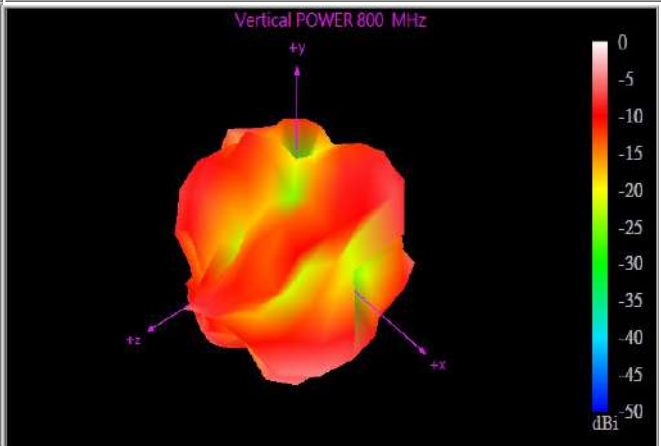
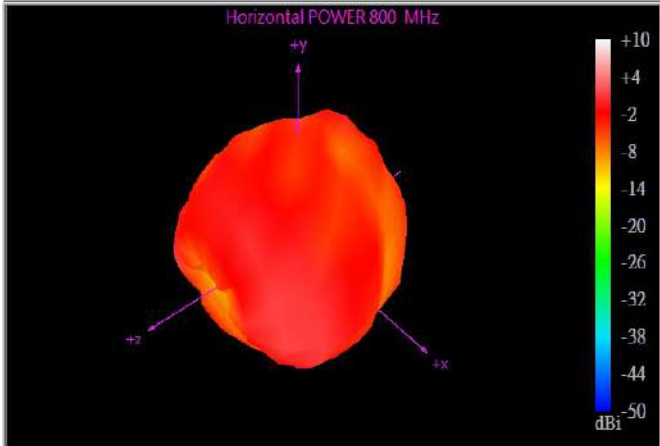
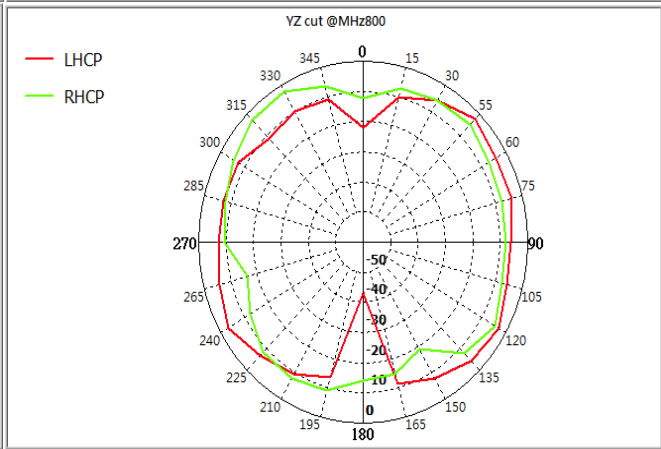
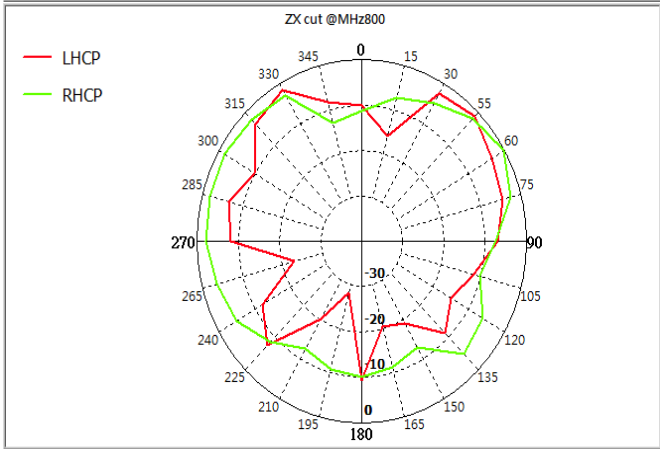
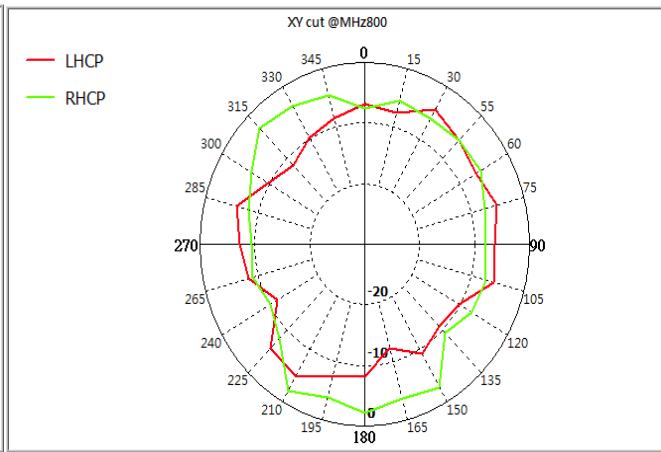
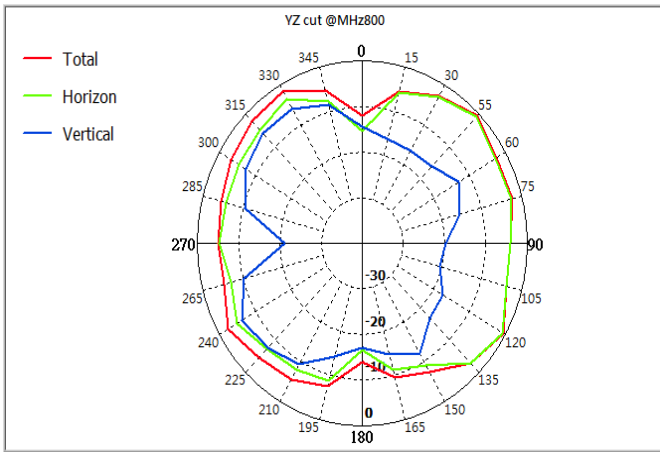


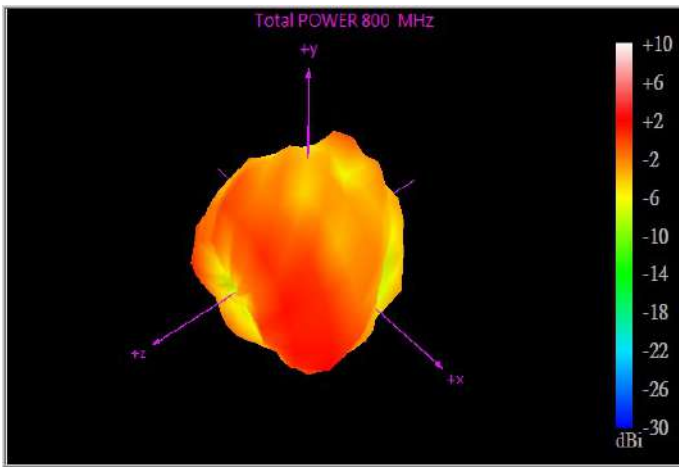
### 3D Total

Frequency (MHz)	Upper Hem. PRP (dBm)	Lower HEM. PRP (dBm)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Tot. Rad.Pwr. (dBm)
800 MHz	-5.18	-8.30	-3.46	45.12	1.95	-3.46
824 MHz	-4.53	-8.03	-2.92	51.00	2.83	-2.92
868 MHz	-4.58	-7.89	-2.92	51.11	2.49	-2.92
902 MHz	-4.06	-7.84	-2.54	55.71	2.88	-2.54
915 MHz	-4.16	-8.04	-2.67	54.10	2.53	-2.67
928 MHz	-3.96	-7.93	-2.50	56.28	2.63	-2.50
960 MHz	-4.23	-7.98	-2.70	53.68	2.54	-2.70

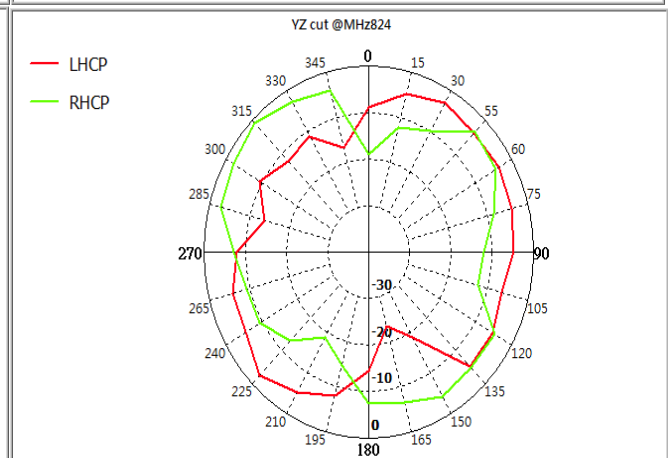
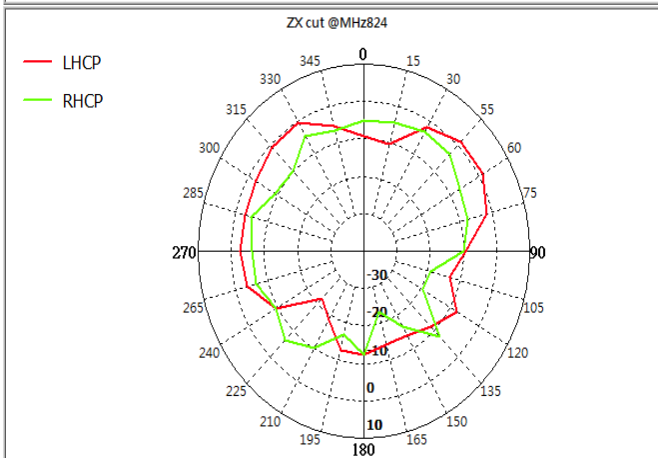
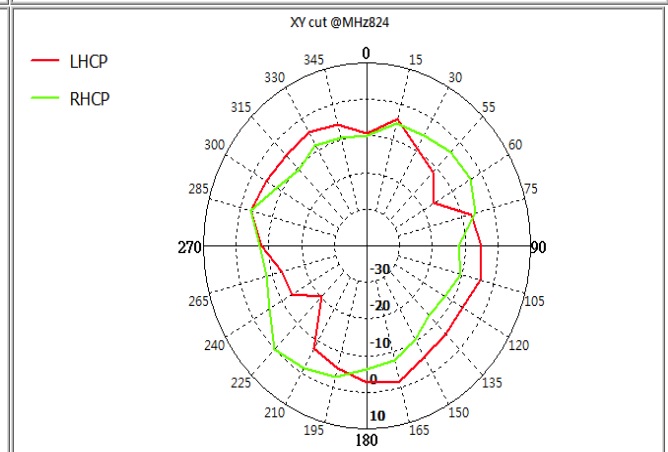
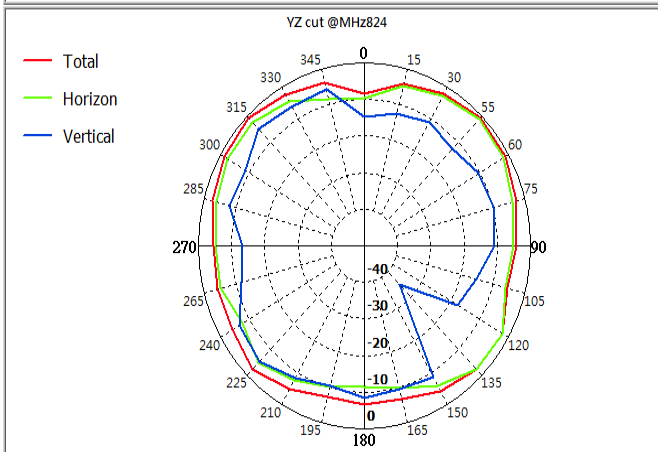
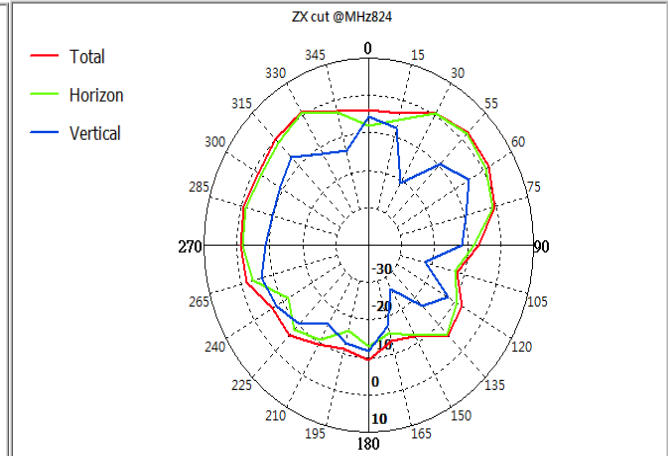
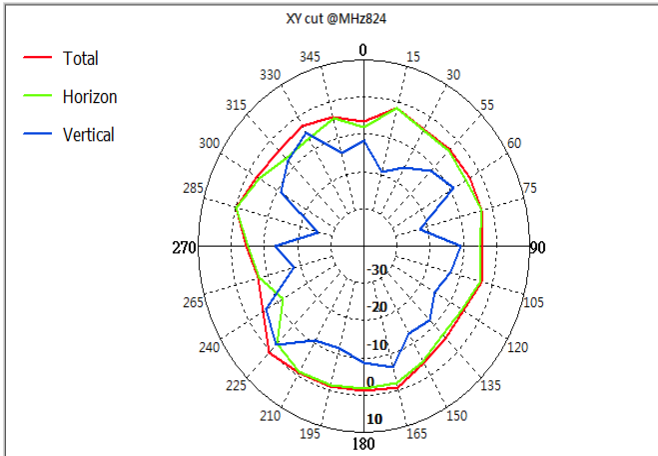
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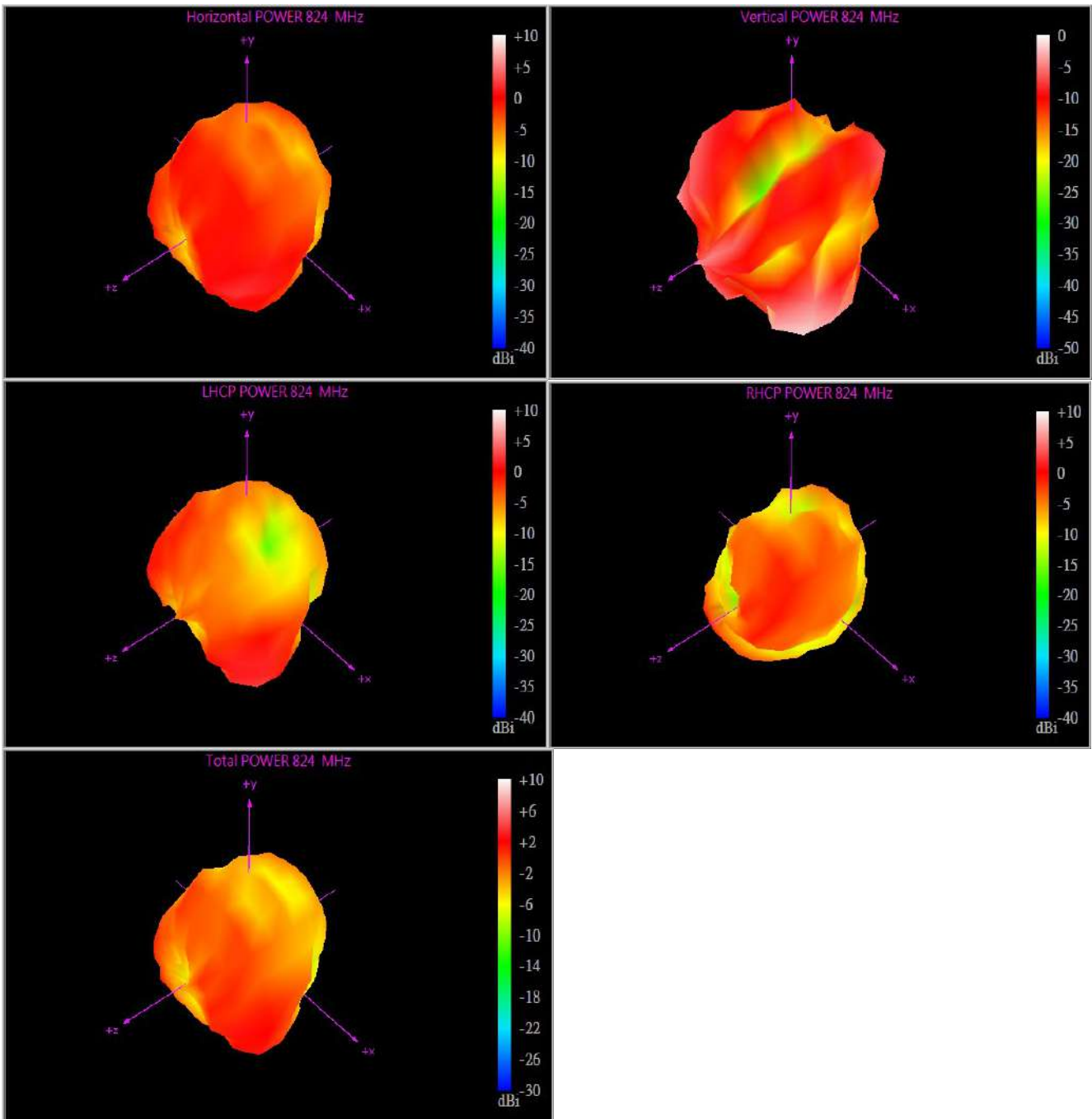




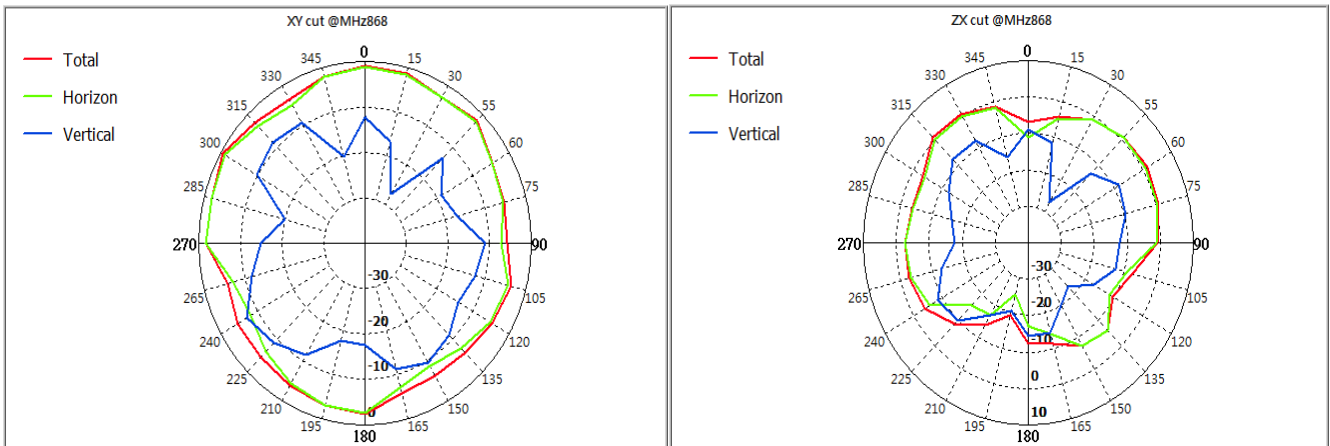


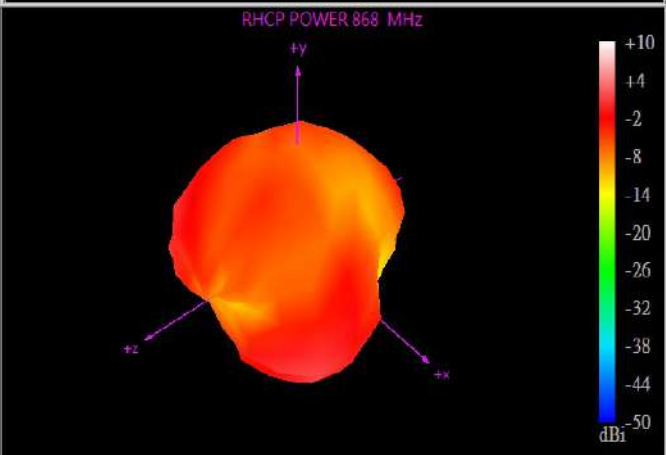
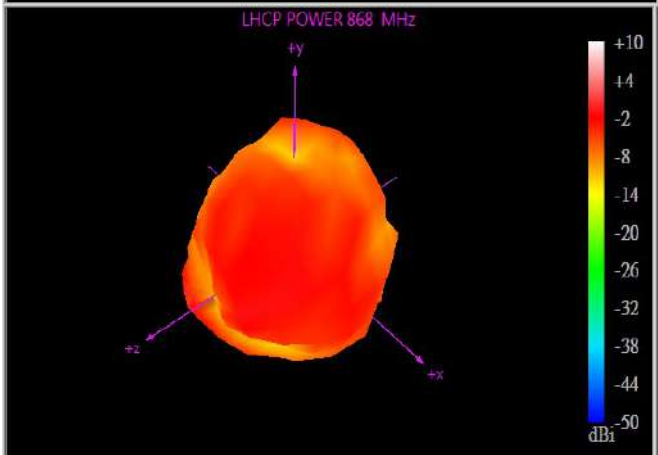
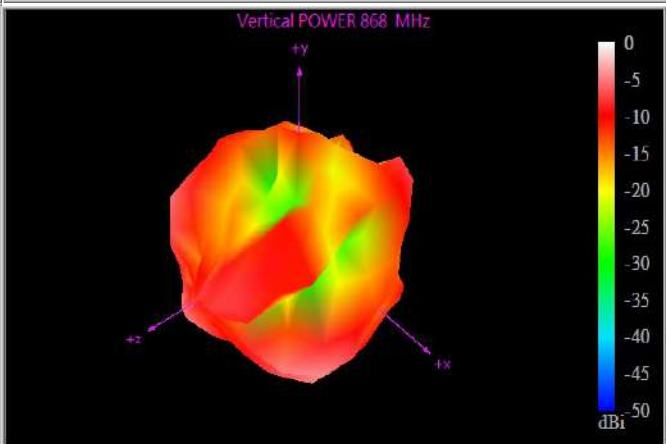
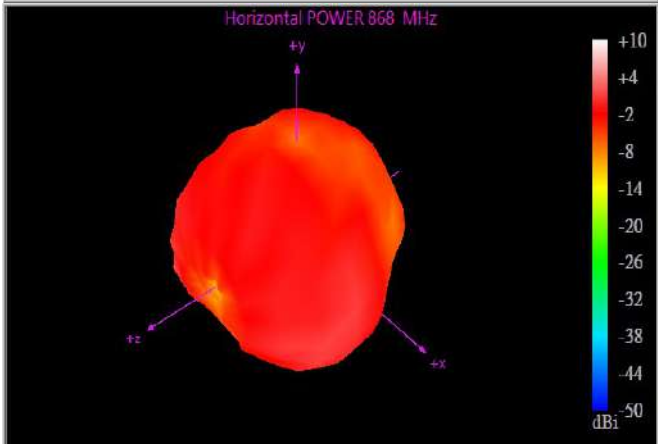
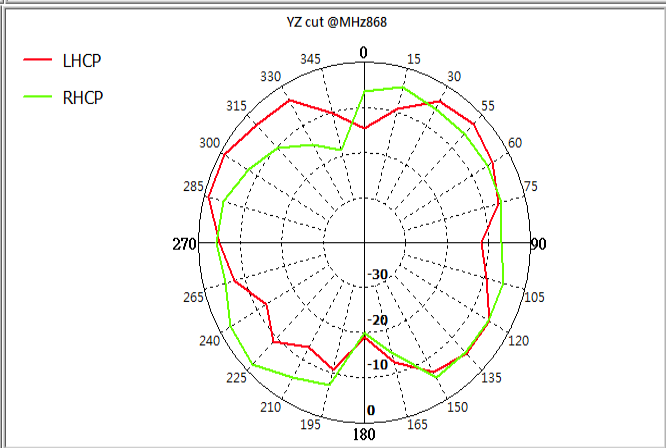
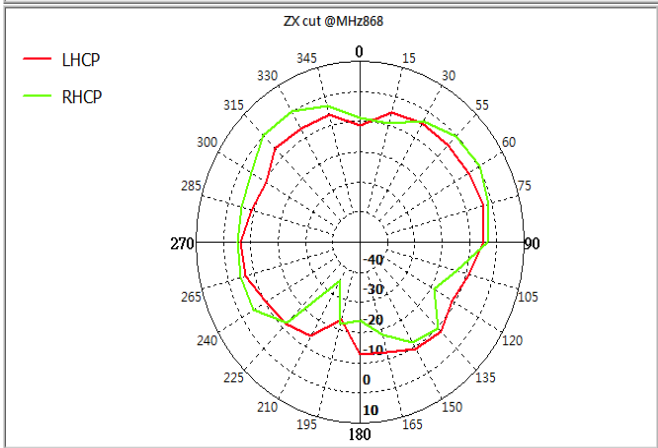
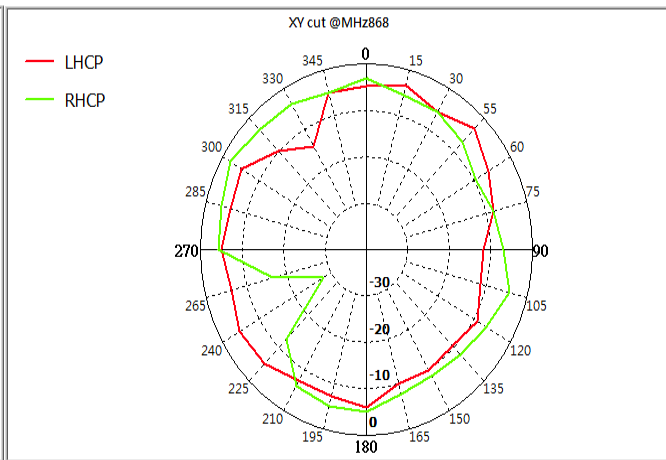
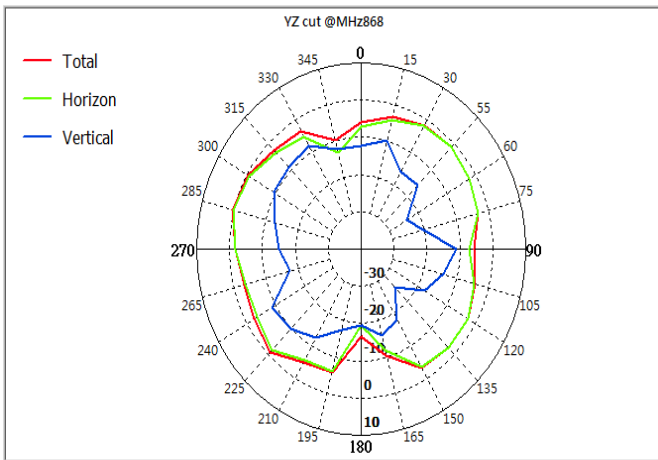
## 824Mhz:



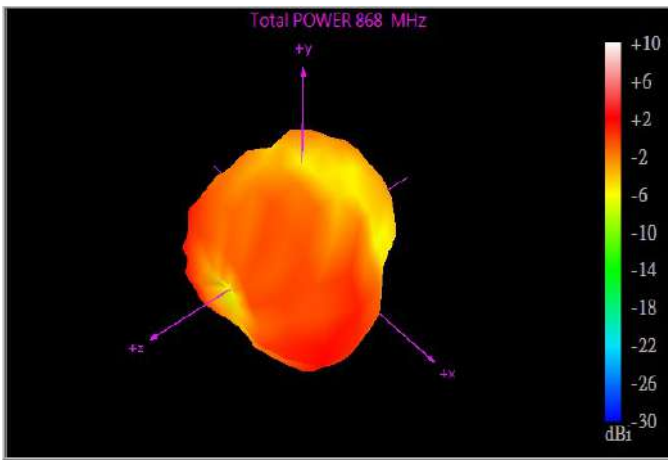


**868Mhz:**

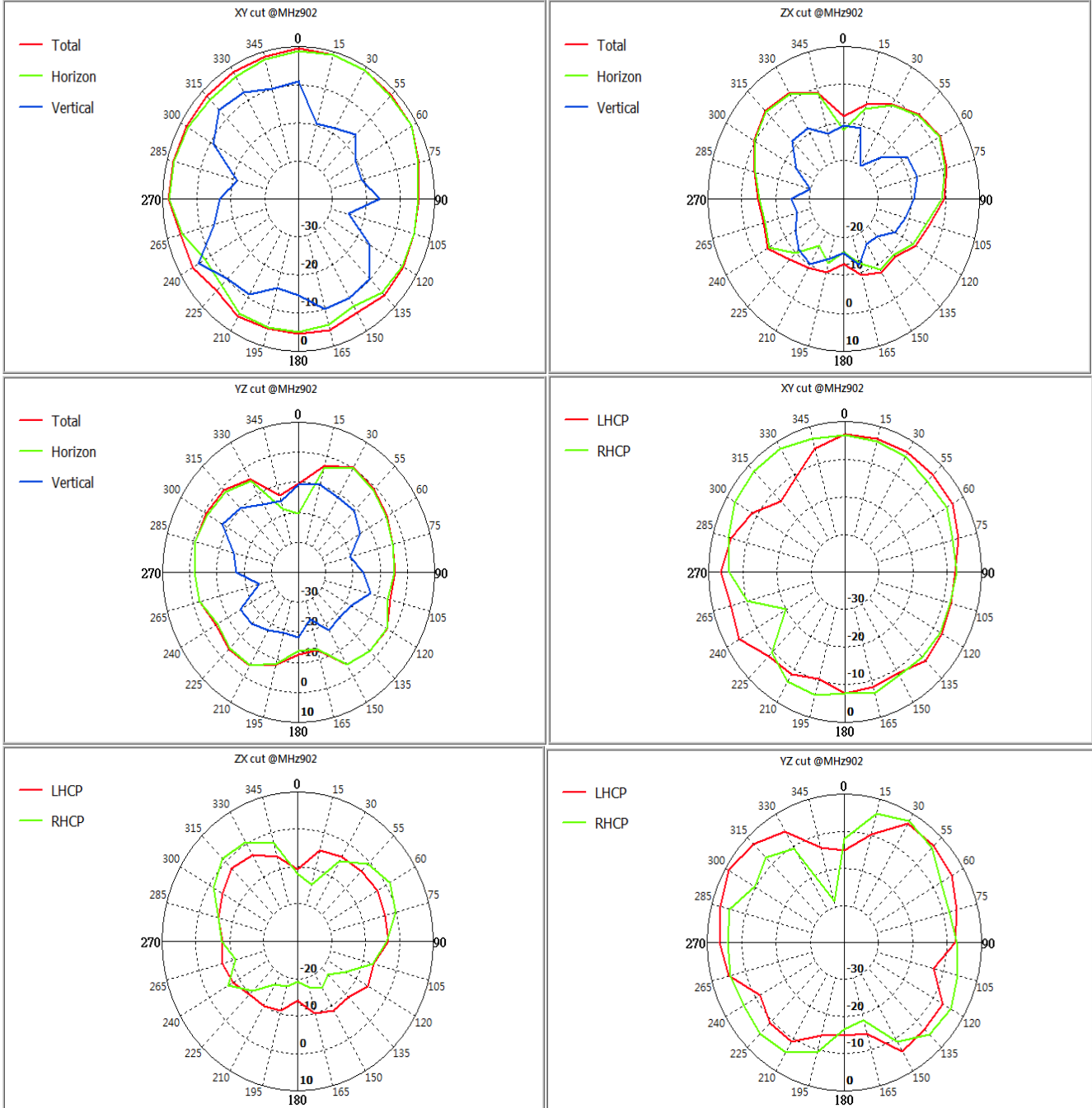


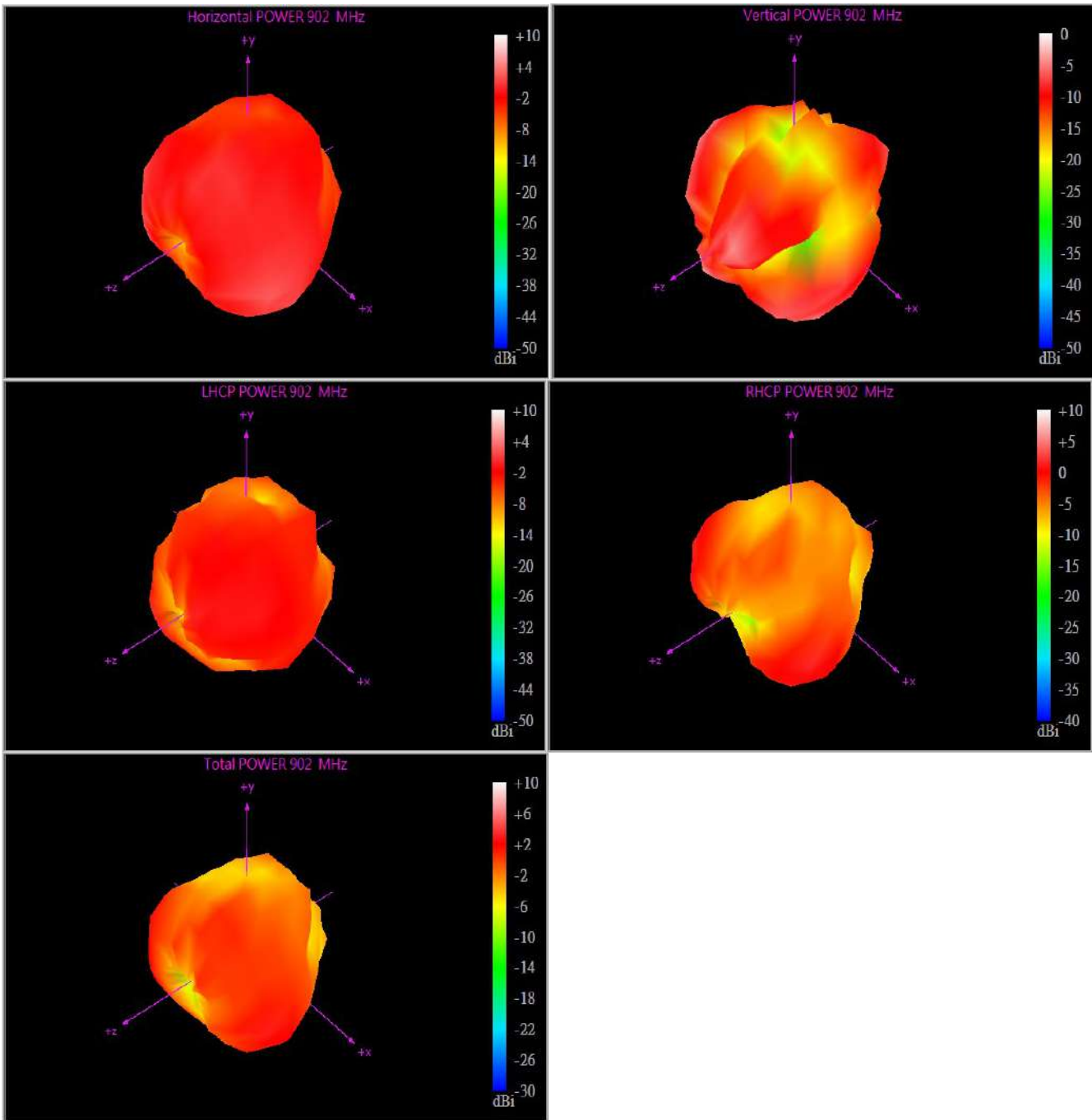




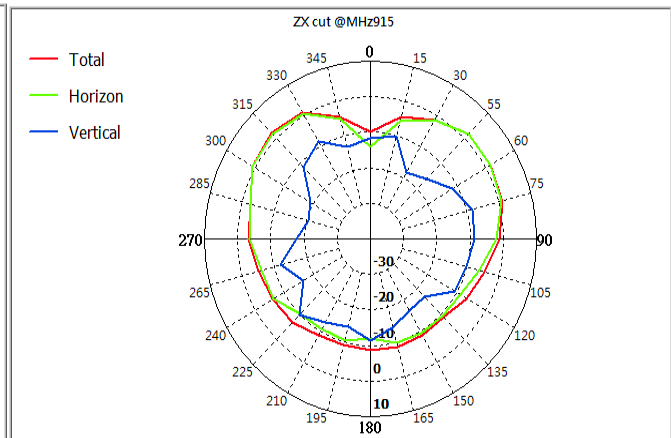
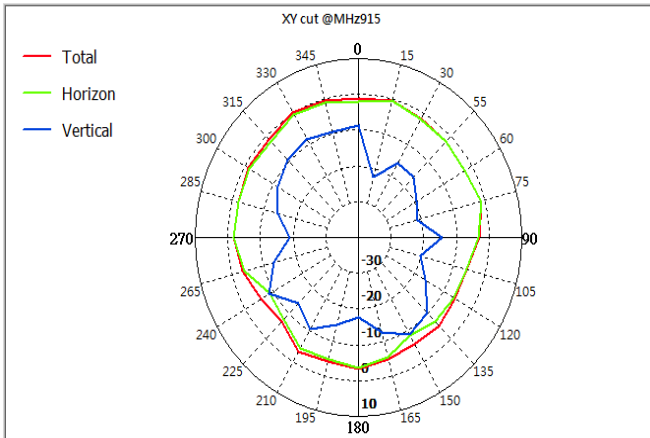


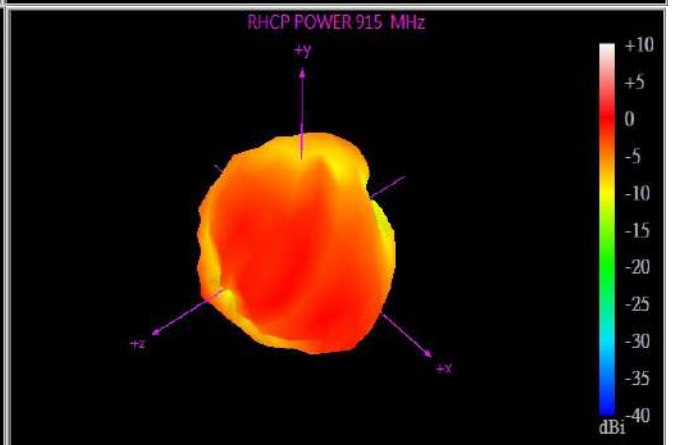
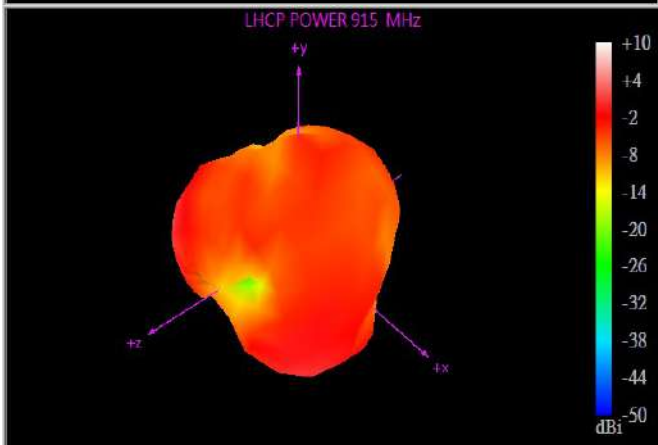
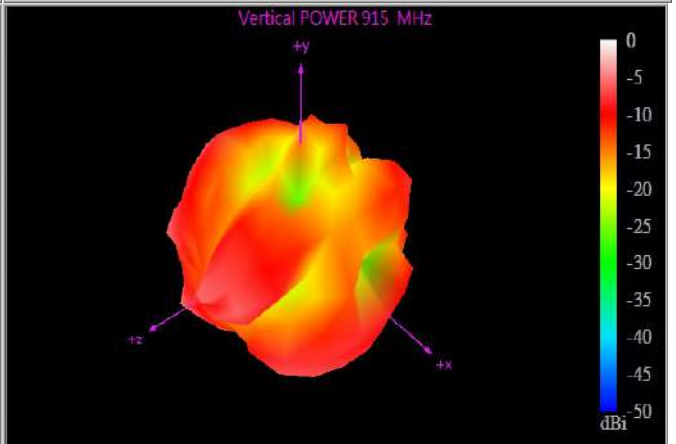
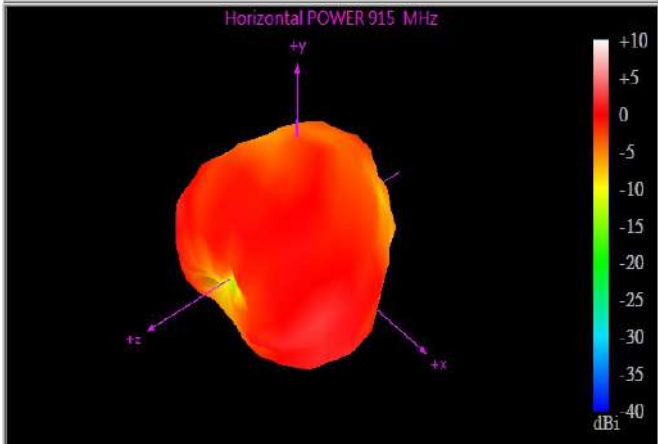
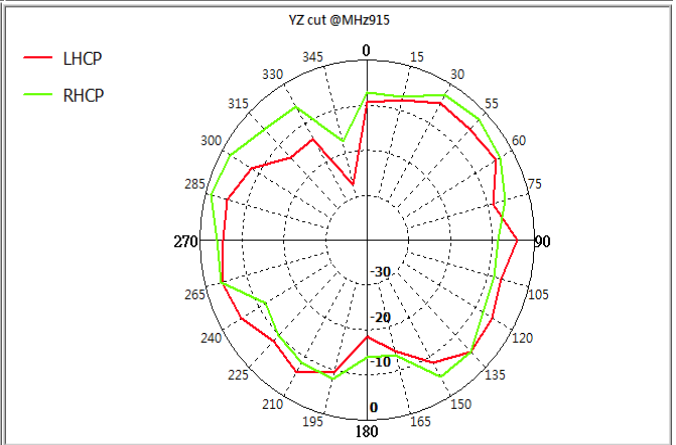
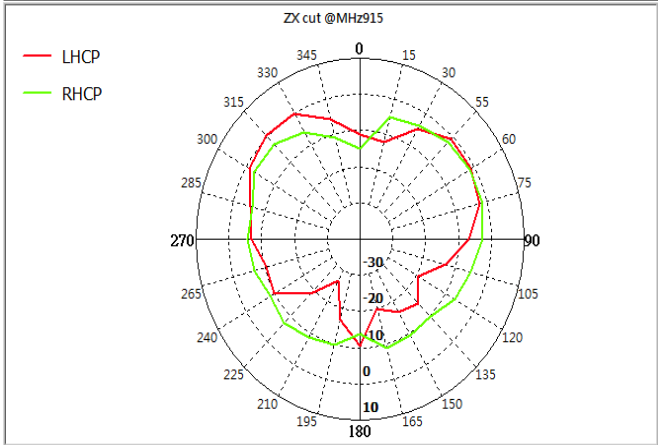
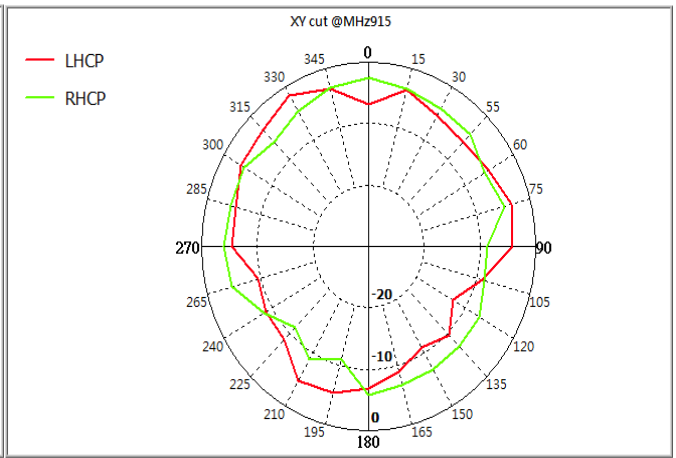
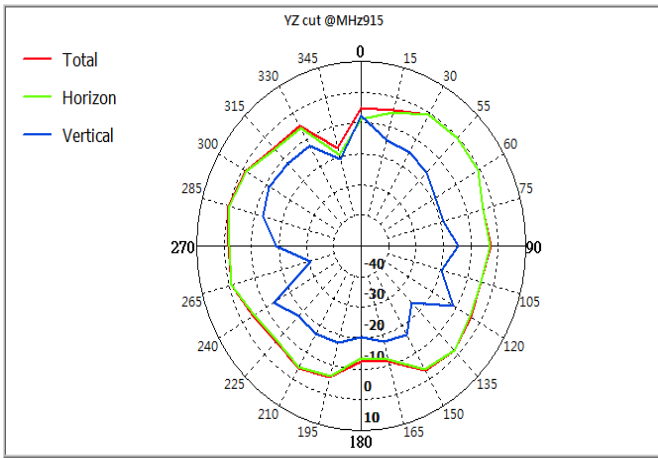
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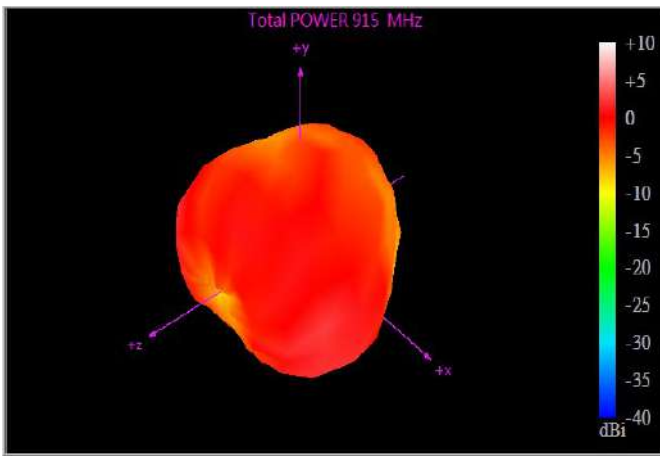




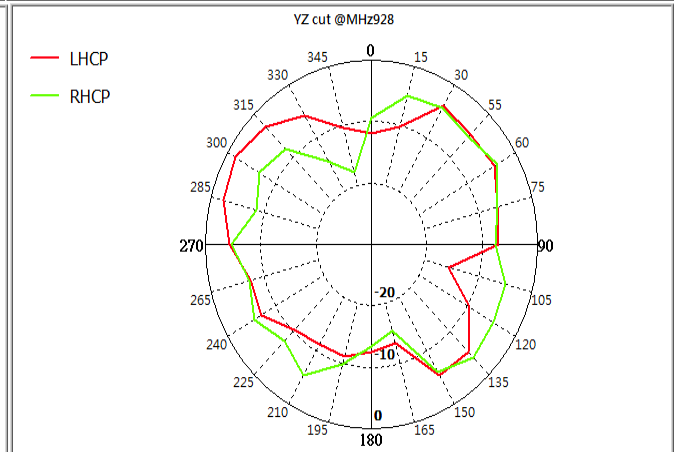
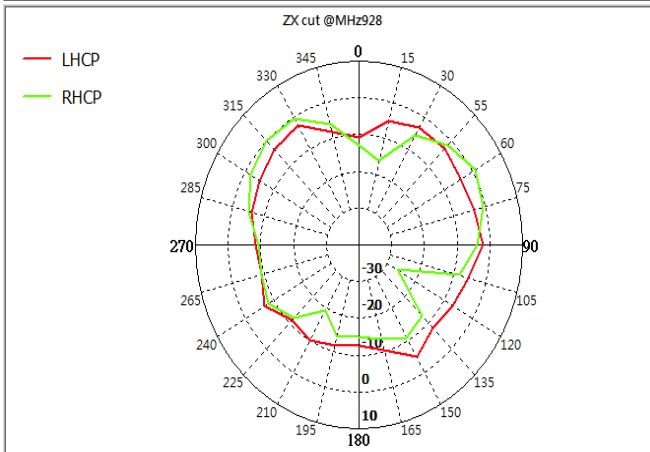
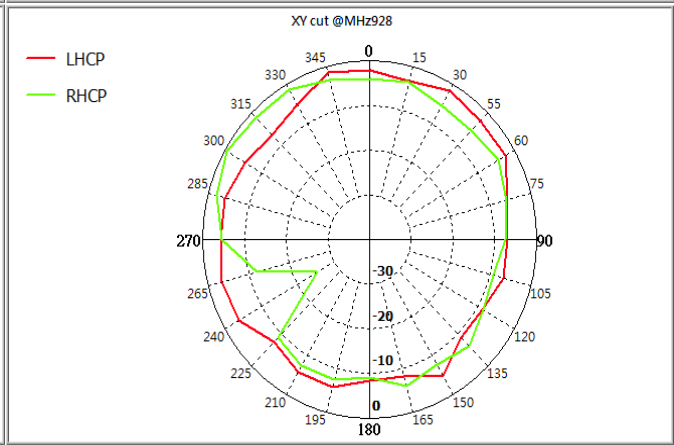
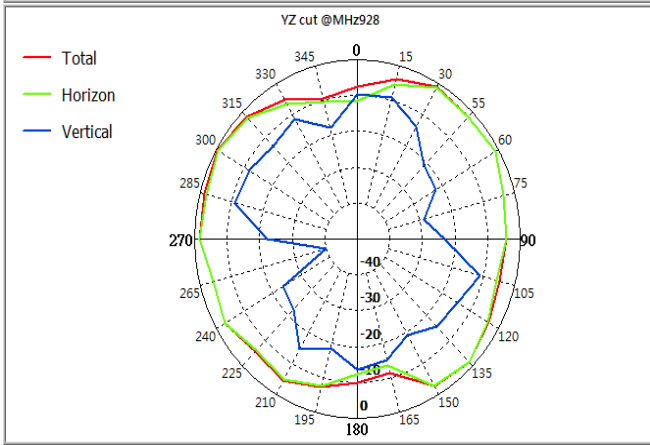
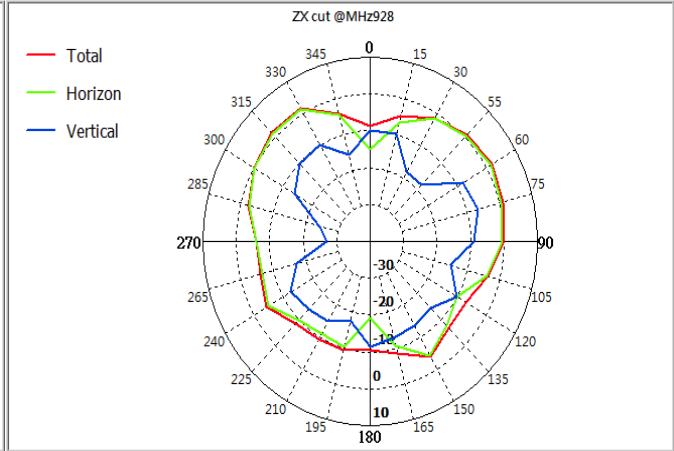
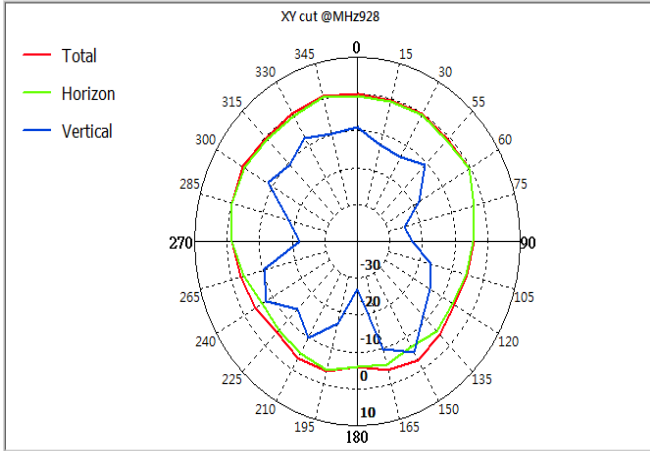
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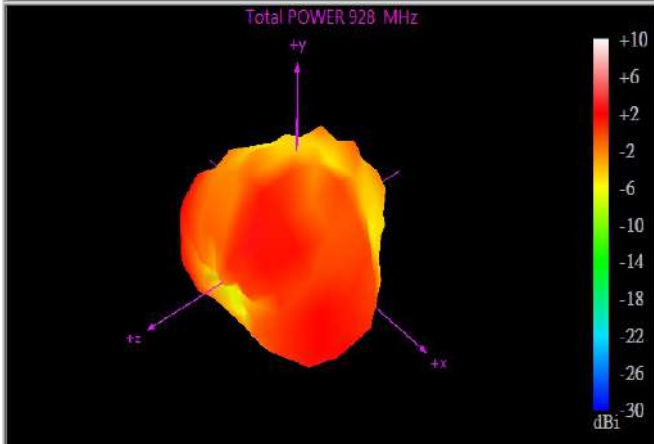
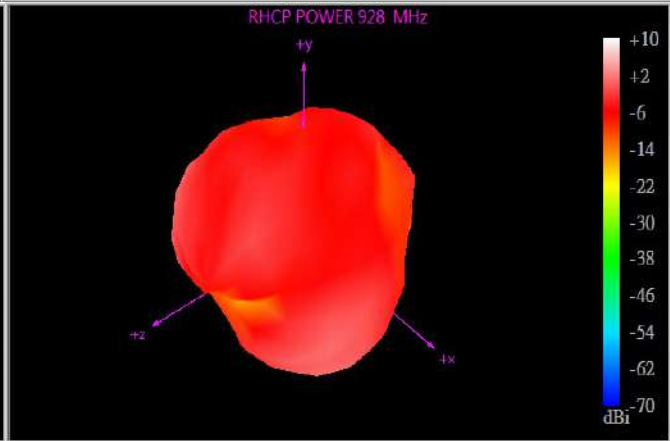
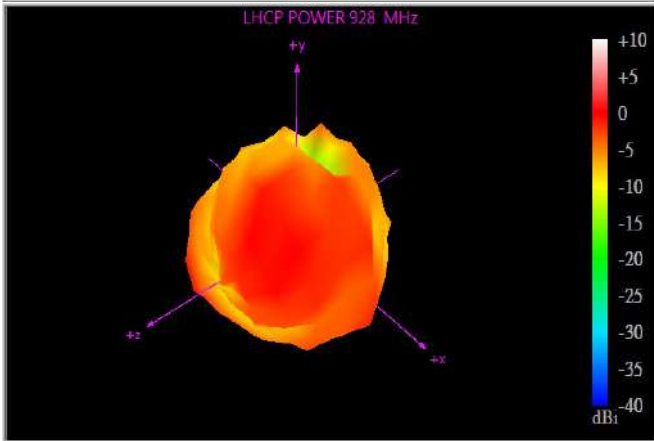
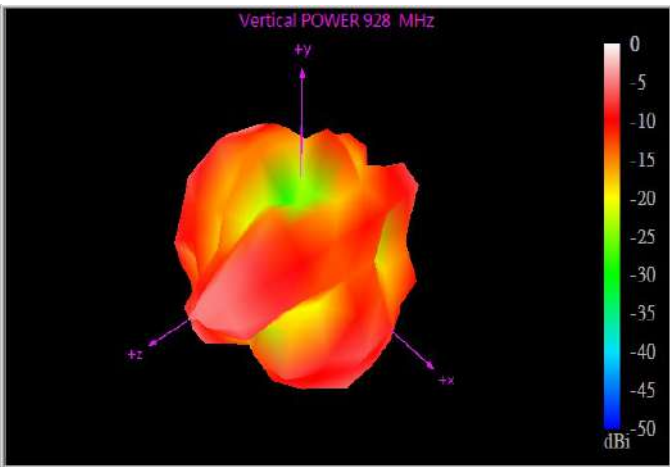
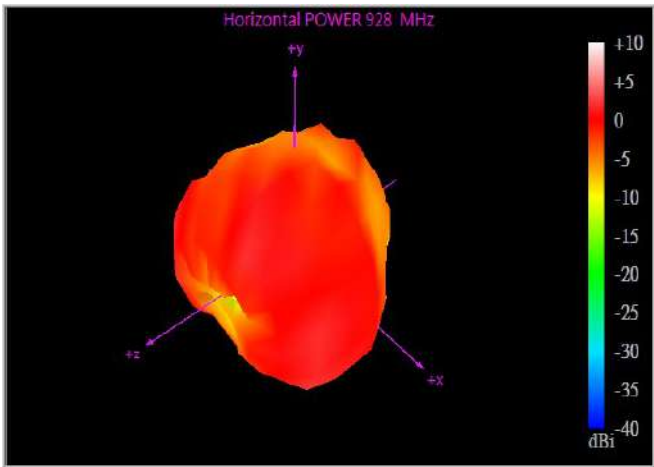






### 928Mhz:





**960Mhz:**

