

## Features

- WiFi7 Dipole Antenna
- 2.4~2.5&5.15~7.15GHz of frequency
- Plastic rod of White
- ROHS compliance

## Applications

- Wi-Fi7 Wireless Communication
- WLAN device, WLAN Router, e.g., AP, PIC Wireless Card



## Product Description

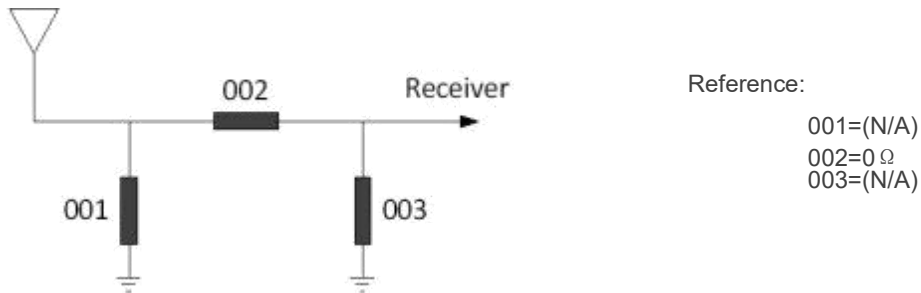
The antenna was specially designed by Wallys, for WiFi7 Dipole Antenna applications . It has excellent stability and sensitivity to consistently provide high signal reception efficiency.

## General Data

Product Name	WiFi7 Dipole Antenna
Part No.	DR2G6G5D001
Frequency	2.4~2.5&5.15~7.15GHz
V.S.W.R	2.4~2.5GHz≤2.0 5.15~7.15GHz≤3.0
Gain(dBi)	5.0dBi(MAX)
Polarization	Vertical
Storage Temp	-10°C~~+70°C
Operating Temperature	-10°C~~+60°C
Impedance with Matching	50 Ω
Dimension	L193.6 (mm)

## Typical Electrical Characteristics

☞ Recommend Matching Circuit



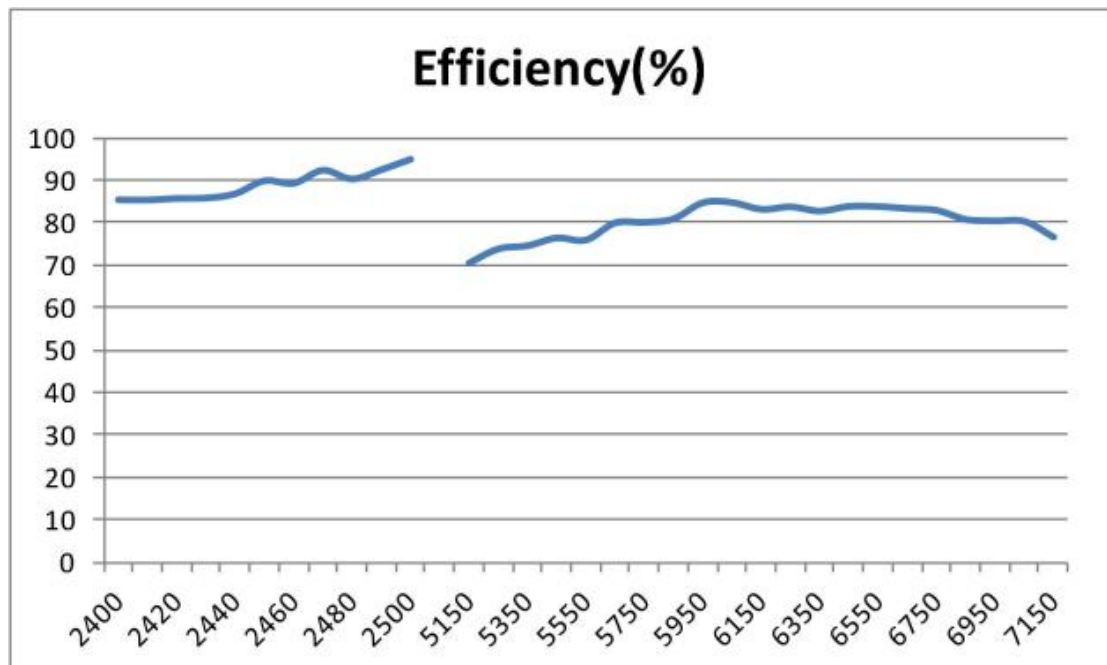
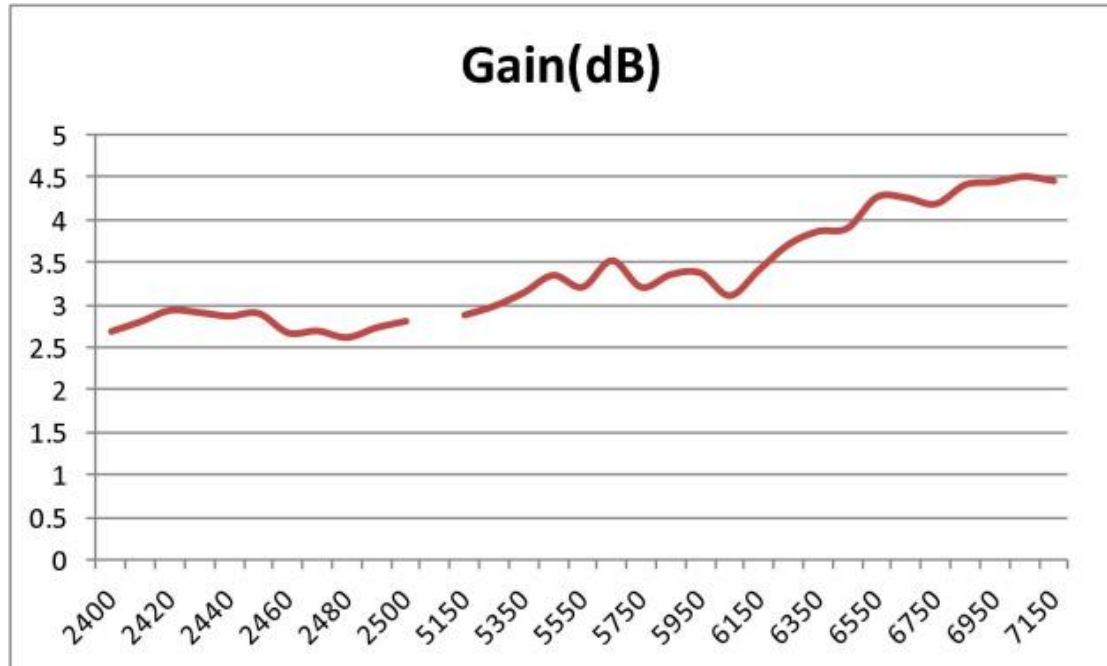
Return loss , VSWR& Smith chart



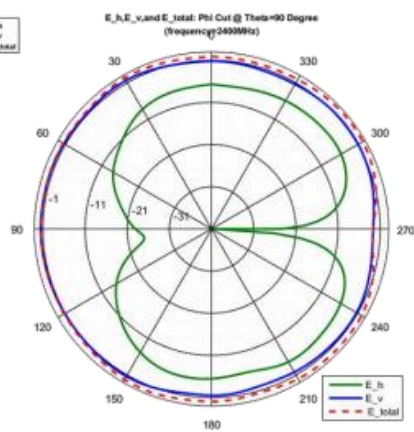
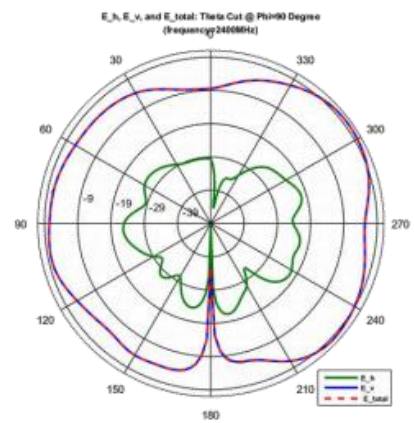
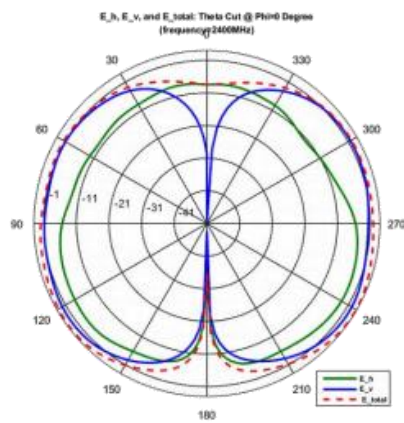
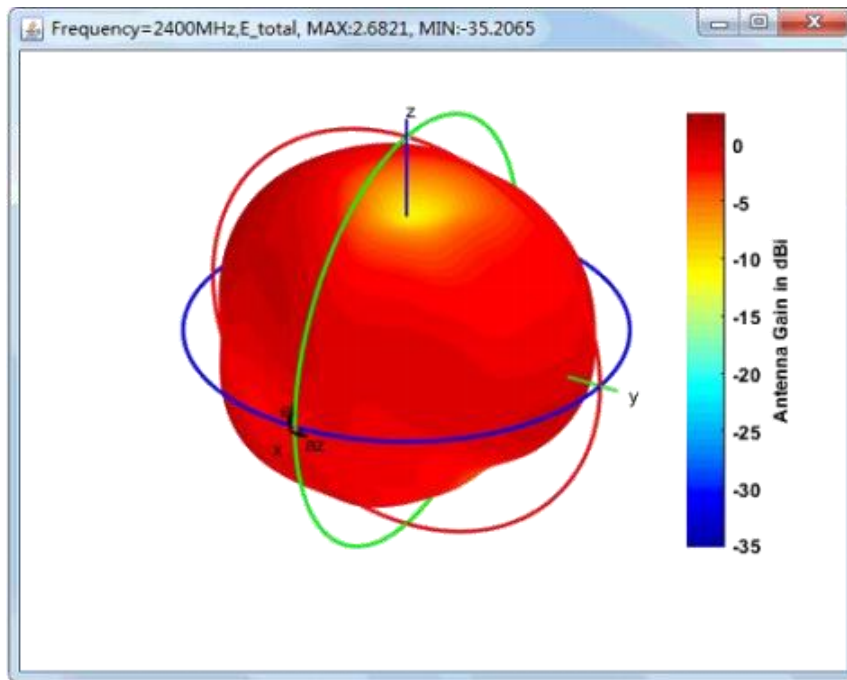
## 3D Total Data

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Directivity(dB)	3.359	3.477	3.5909	3.5593	3.4672	3.3496	3.1475	3.0217	3.0453	3.0552	3.018
Gain(dB)	2.6821	2.7967	2.9305	2.964	2.9622	2.8953	2.6653	2.6879	2.8113	2.7262	2.800
Efficiency(dB)	-0.6769	-0.679	-0.6604	-0.6553	-0.6935	-0.4341	-0.4823	-0.3258	-0.434	-0.329	-0.210
Efficiency(%)	85.3671	85.5258	85.8941	85.9936	86.9927	90.0723	89.4914	92.3589	90.4894	92.7036	95.1481

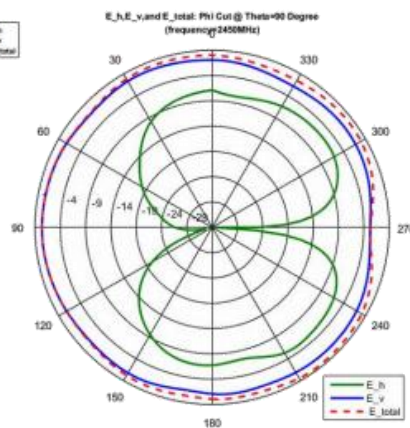
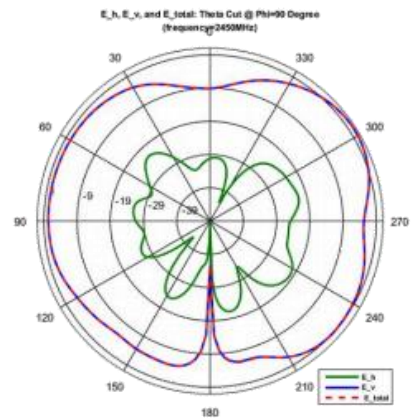
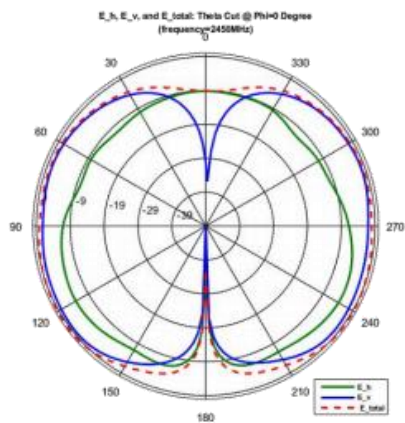
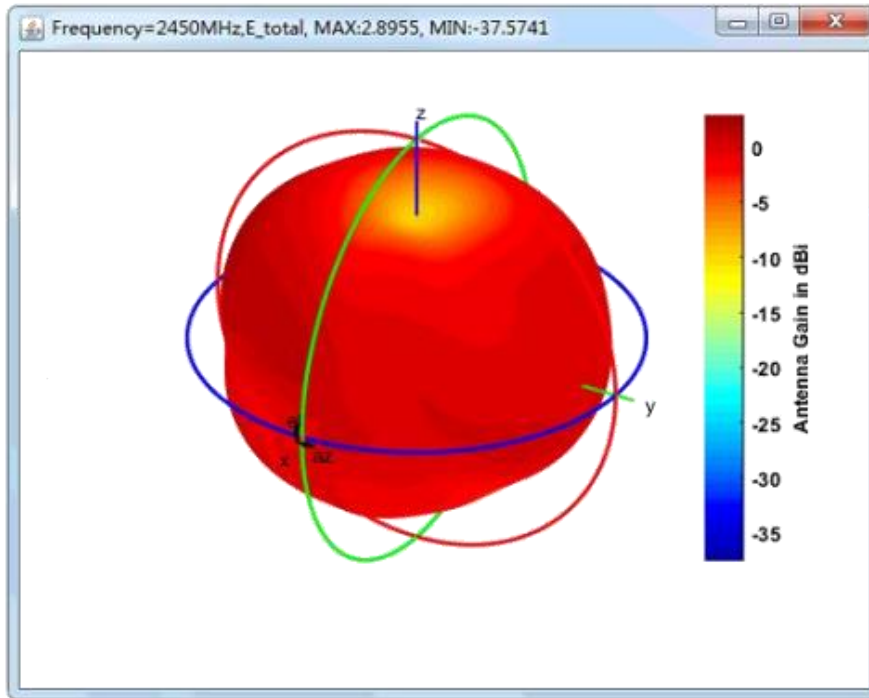
Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850	5950	6050	6150	6250	6350	6450	6550	6650	6750	6850	6950	7050	7150
Directivity(dB)	4.5868	4.2850	4.4201	4.6023	4.3912	4.4276	4.1664	4.2623	4.2811	3.8119	4.3051	4.4459	4.5719	4.6529	5.0297	5.2986	4.9878	5.3290	5.3787	5.4419	5.4016
Gain(dB)	2.8751	2.981	3.1376	3.3417	3.2034	3.513	3.2011	3.5517	3.3699	3.023	3.4082	3.7086	3.8380	3.8967	4.2624	4.2327	4.1824	4.4068	4.4268	4.5238	4.4829
Efficiency(dB)	-1.5118	-1.3098	-1.2687	-1.1658	-1.1877	-0.9027	-0.8583	-0.9108	-0.7112	-0.7087	-0.7919	-0.7632	-0.8132	-0.7582	-0.7383	-0.7829	-0.8503	-0.9102	-0.9289	-0.944	-1.1486
Efficiency(%)	70.6563	73.9679	74.7197	76.6489	76.0722	80.1189	80.2546	81.0863	84.8951	84.9442	85.3314	83.9541	82.9254	84.0194	85.9781	83.5047	83.0742	80.9241	80.5965	80.4634	76.7654



**Frequency=2400MHz**

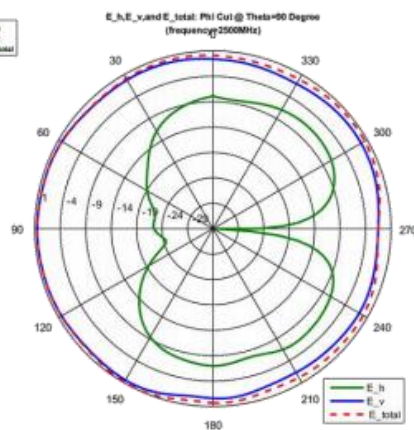
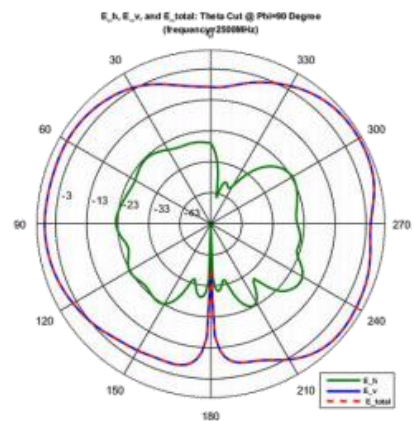
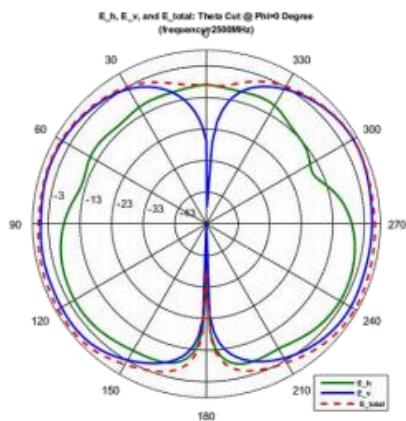
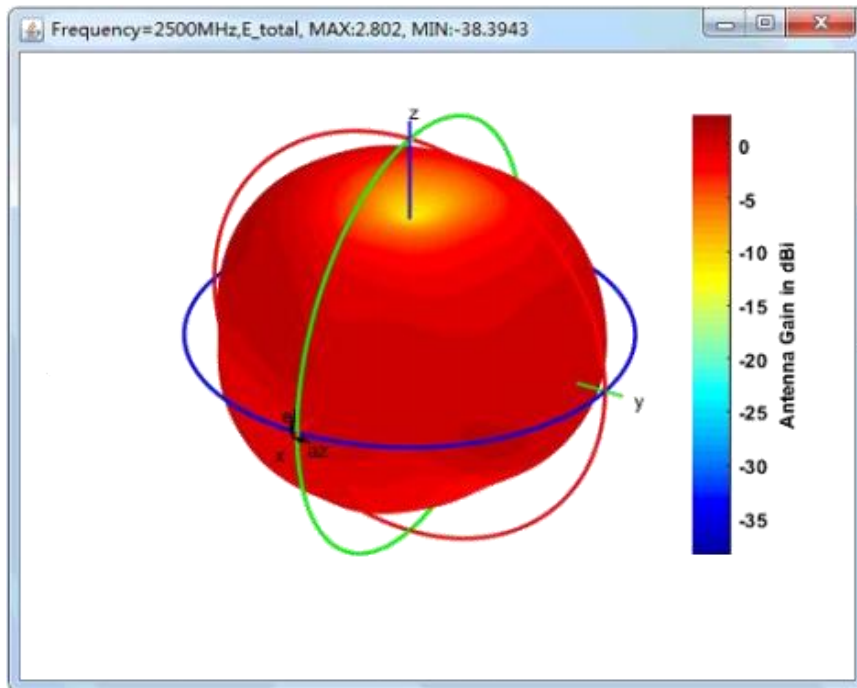


## Frequency=2450MHz

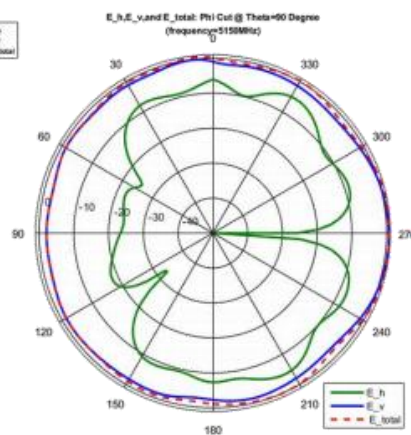
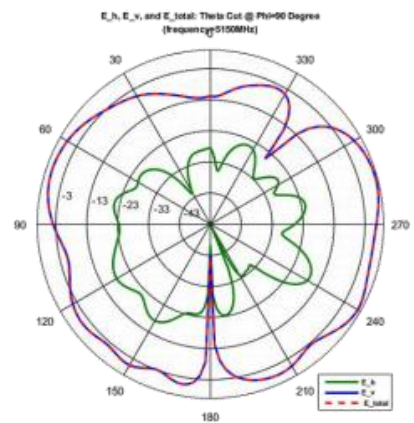
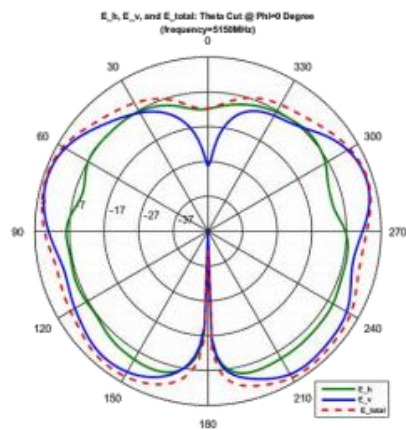
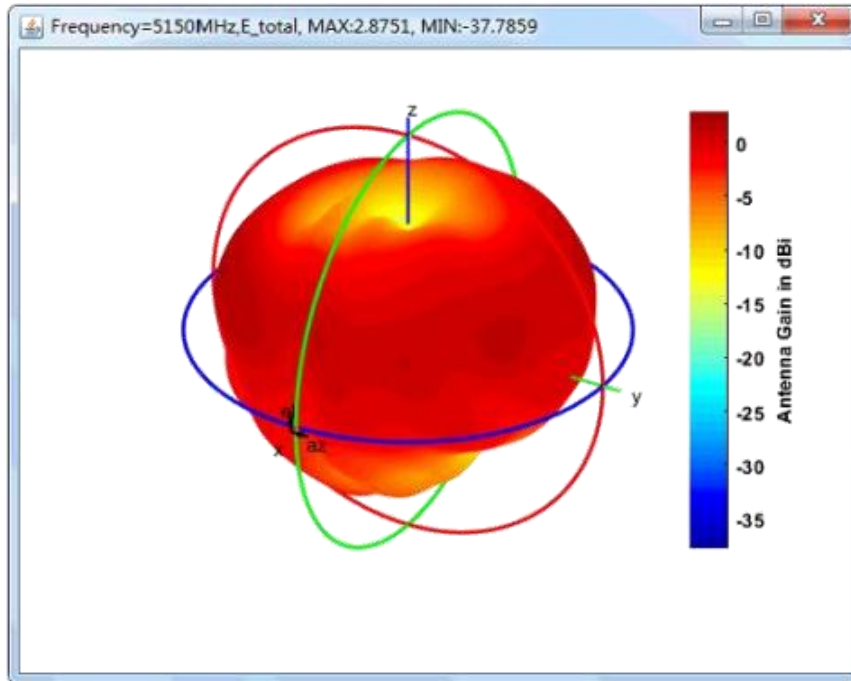




## Frequency=2500MHz

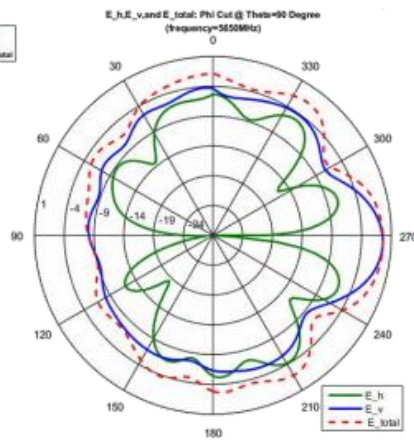
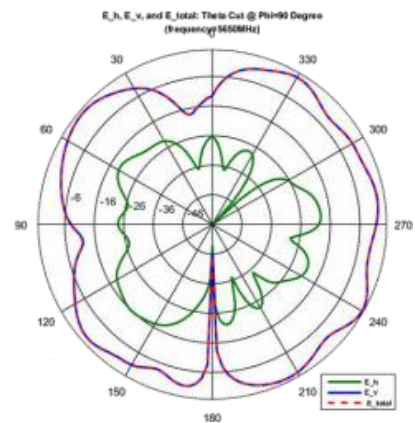
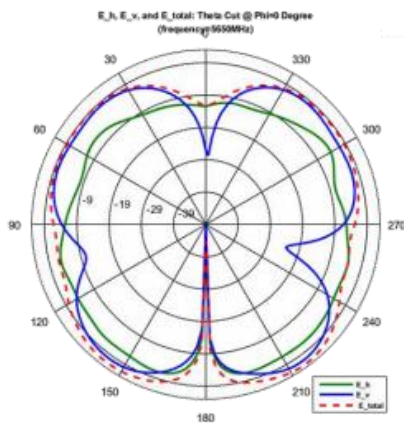
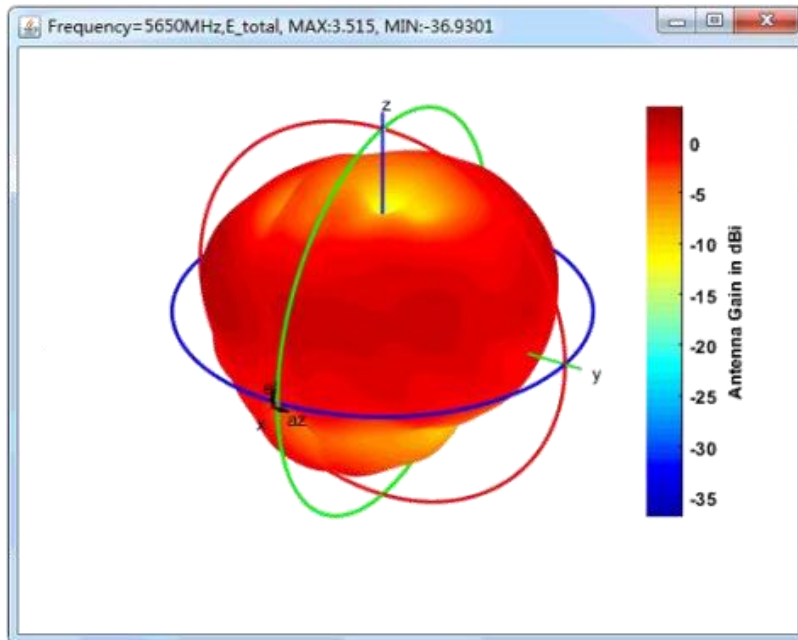


## Frequency=5150MHz

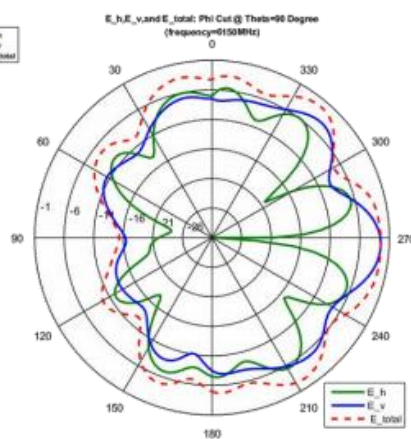
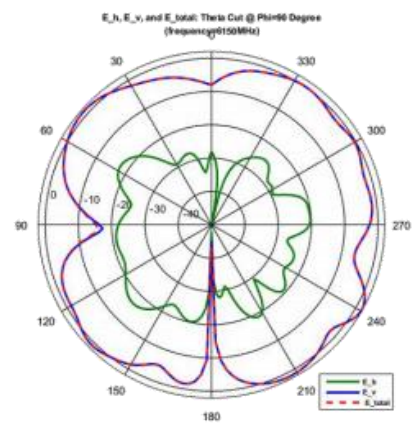
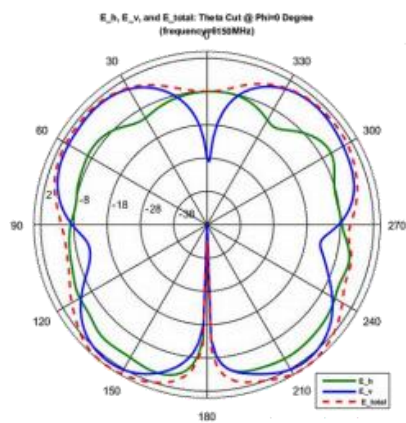
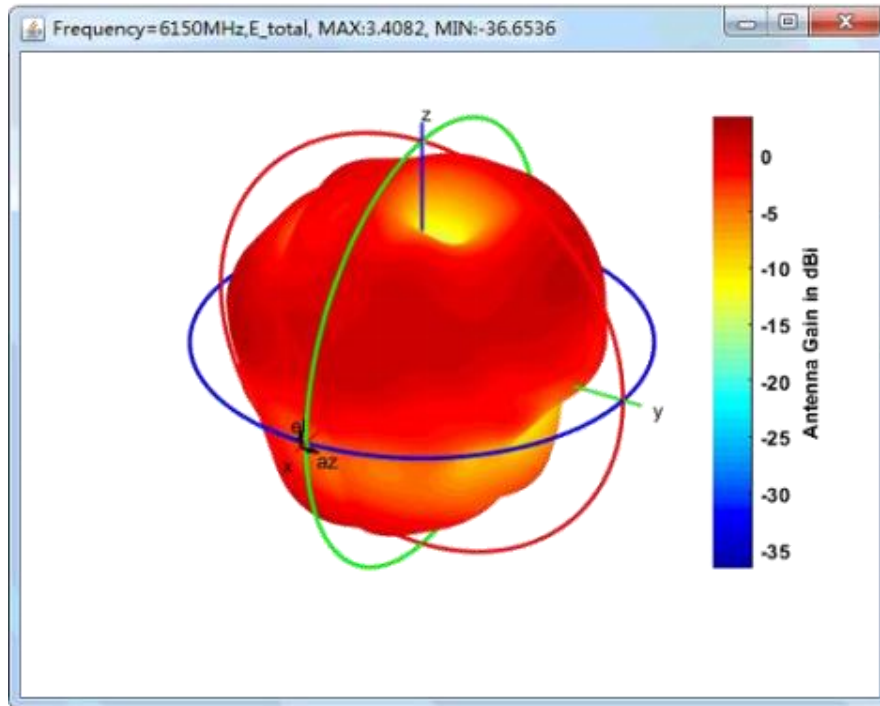




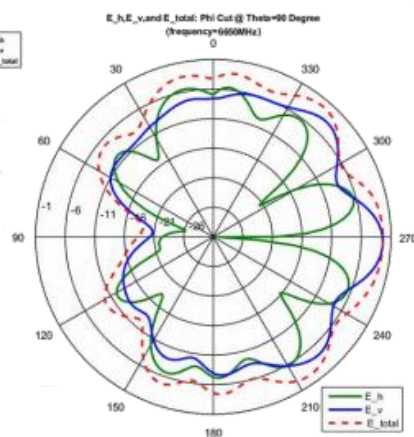
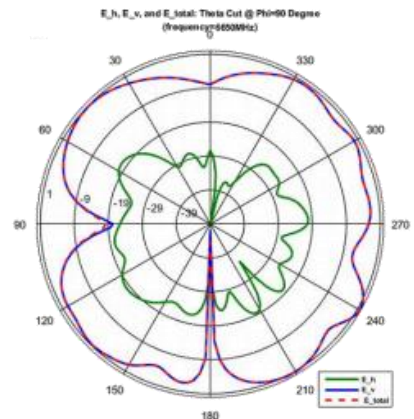
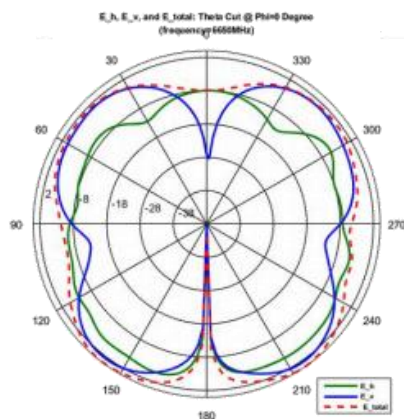
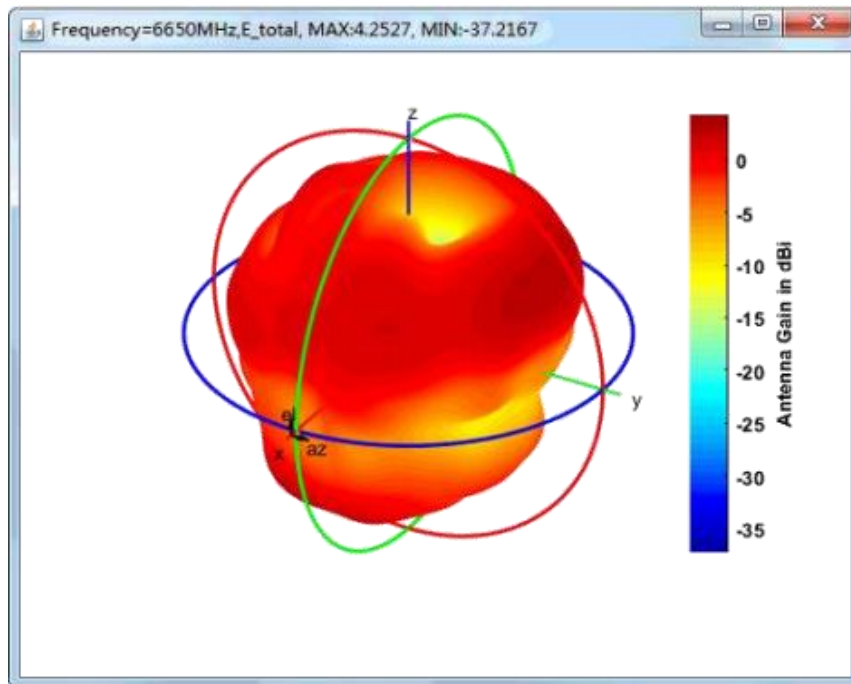
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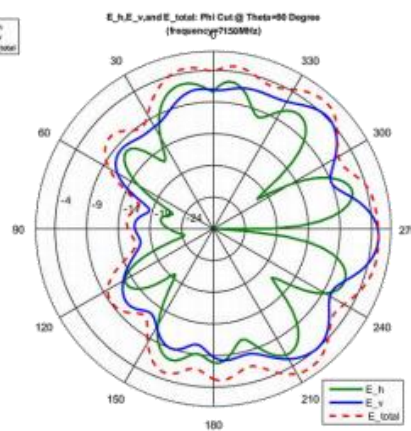
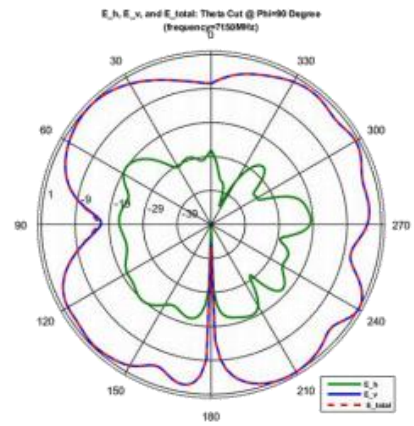
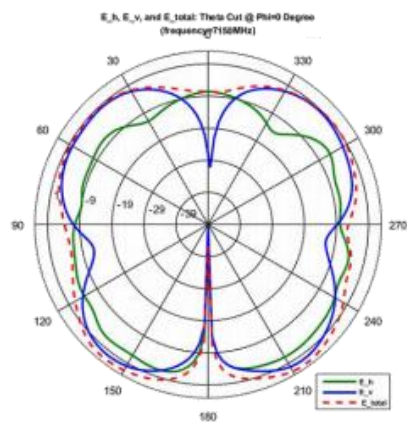
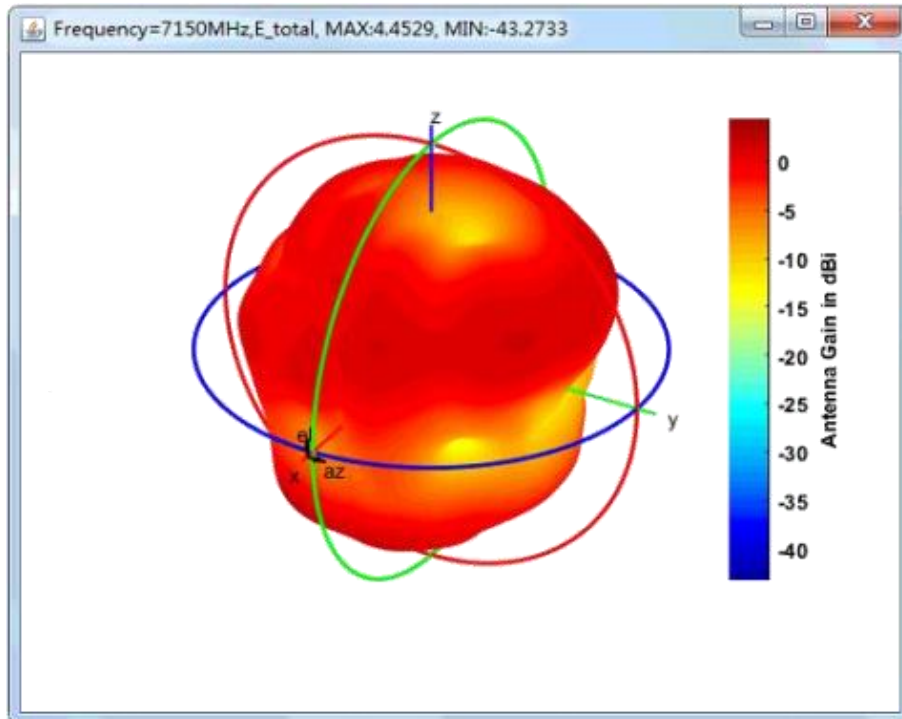
**Frequency=6150MHz**



### Frequency=6650MHz



## Frequency=7170MHz



## Dimension

