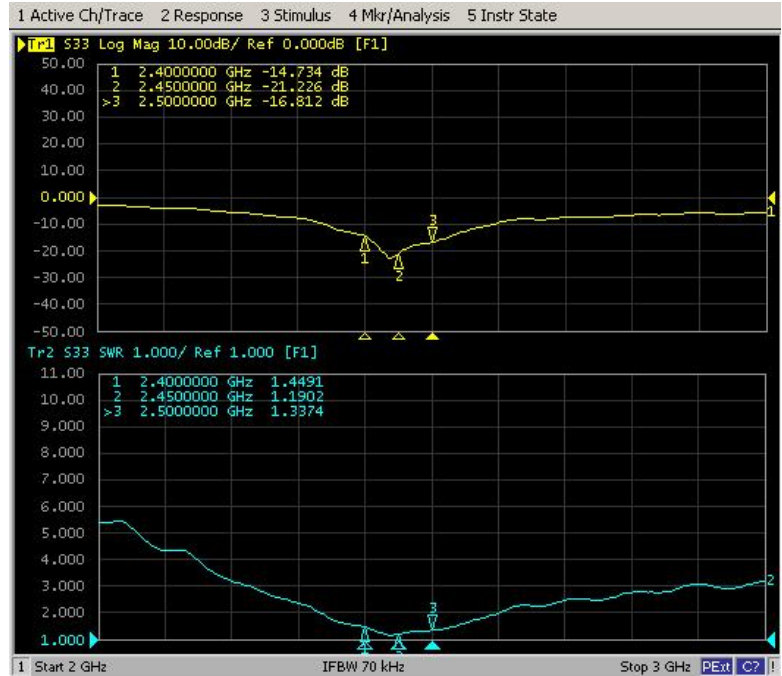


### 1. S Parameter

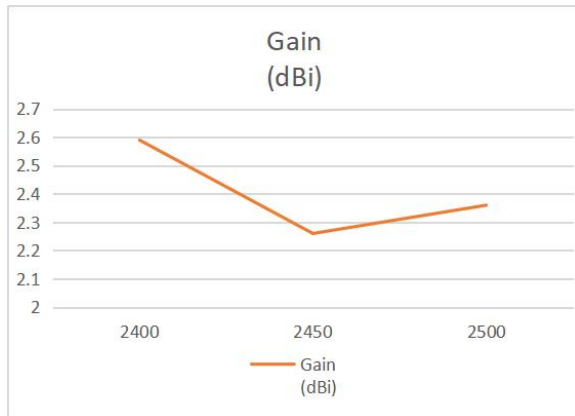
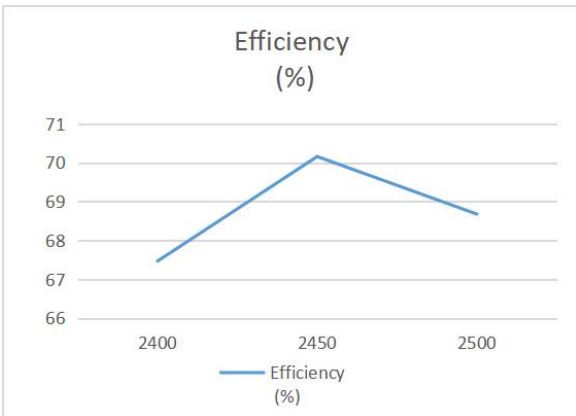
Frequency (MHz)	Return Loss(dB)	VSWR
2400	-14.73	1.44
2450	-21.22	1.19
2500	-16.81	1.33



\* Voltage Standing Wave Ratio(VSWR)  
Return Loss(RL)  
 $RL=20*\log_{10}[(VSWR+1)/(VSWR-1)]$

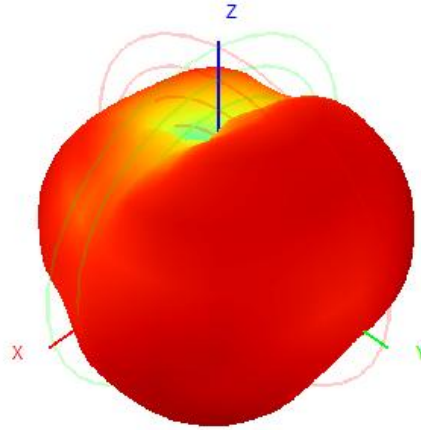
### 2. Efficiency and Gain

Frequency (MHz)	2400	2450	2500
Efficiency (%)	67.47	70.16	68.68
Gain (dBi)	2.59	2.26	2.36

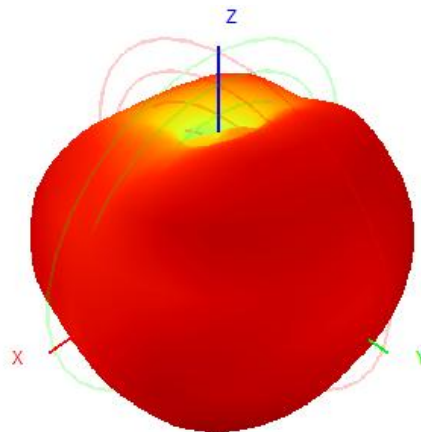


## 3. Radiation Pattern

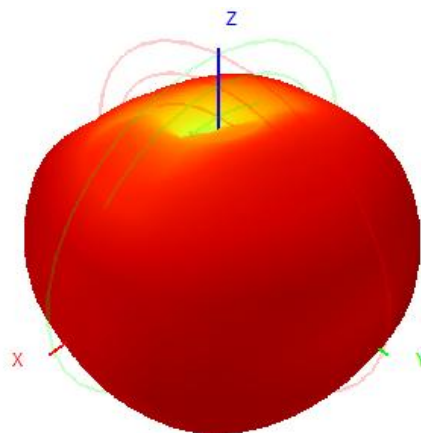
3-1 Antenna 3D Radiation Pattern



2400MHz

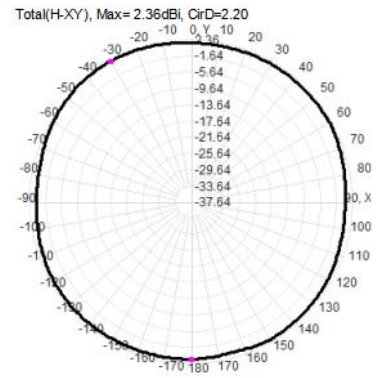
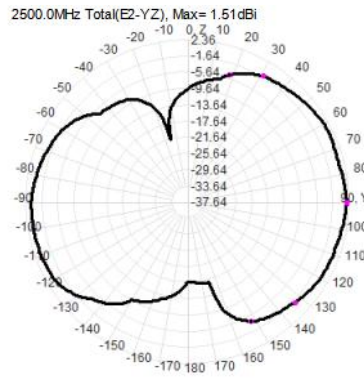
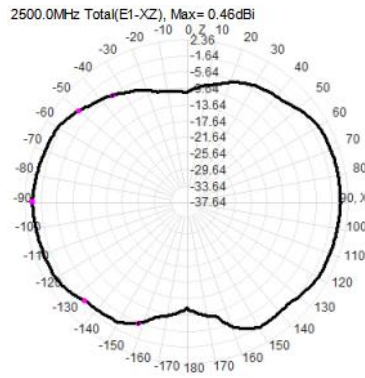
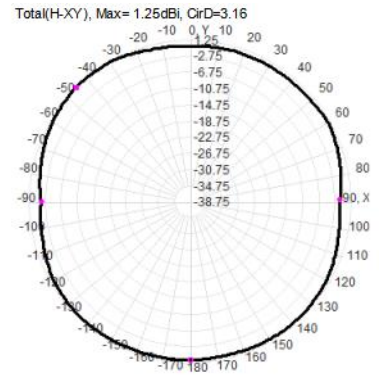
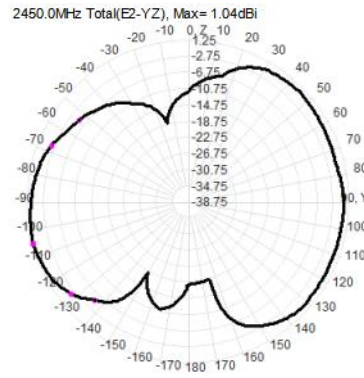
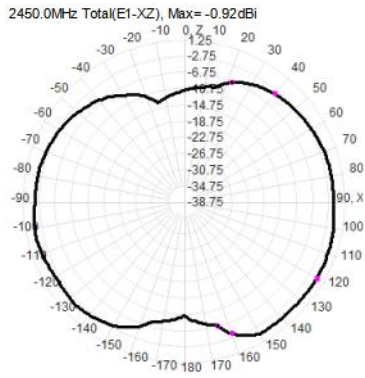
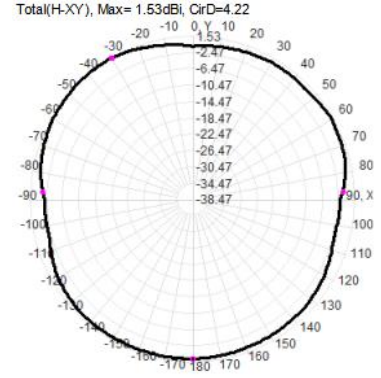
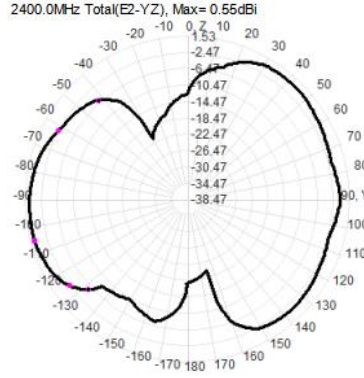
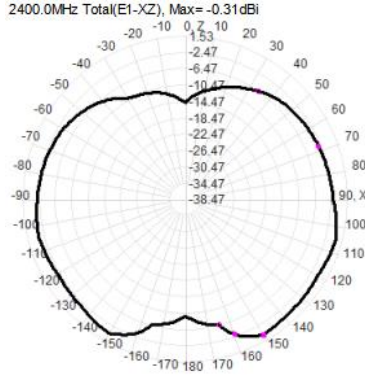


2450MHz



2500MHz

## 3-2 Antenna 2D Radiation Pattern



### 3. Active test data

Channel	Measurement	Total
6	TRP	23.69
6	TIS(EIRP)	-83.46

### 4. Antenna installation diagram

