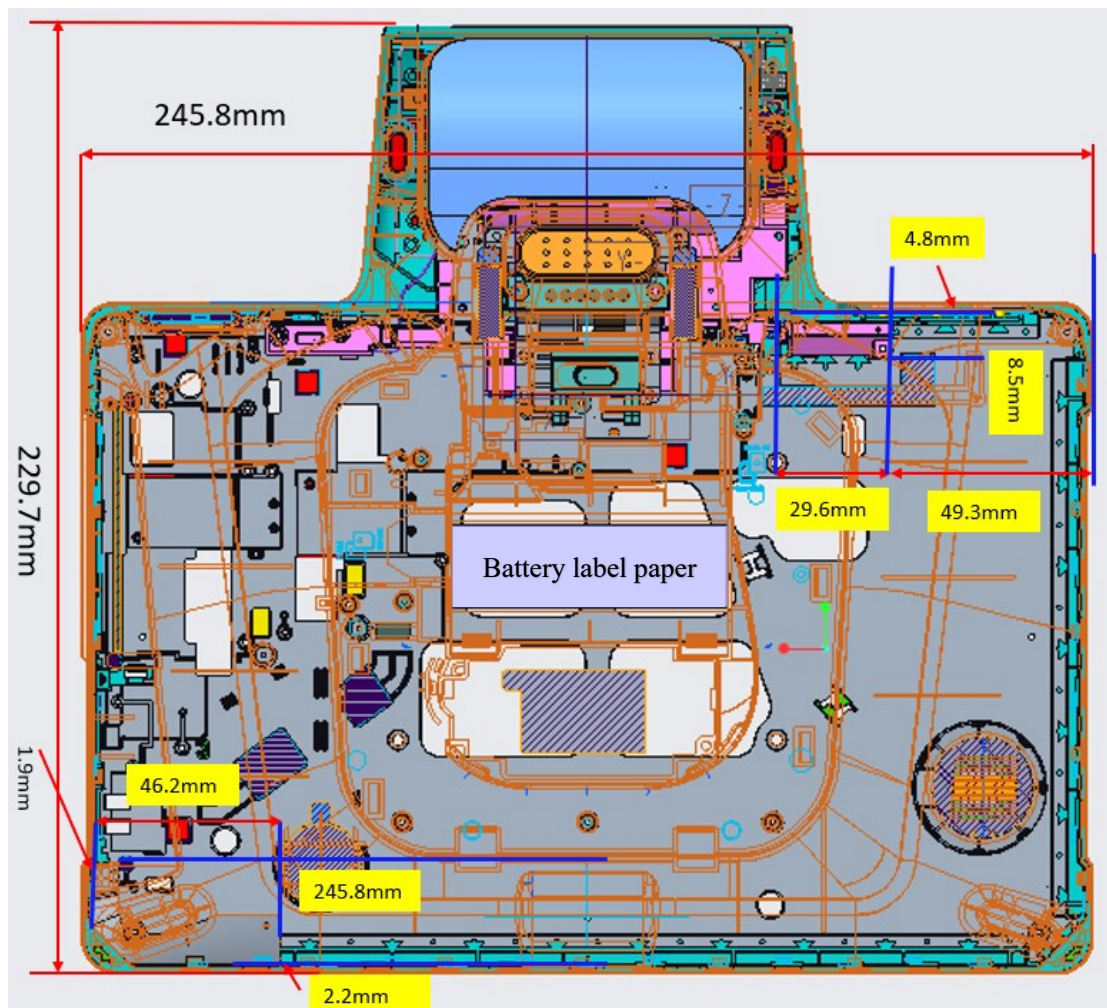


# Antenna Product Specification

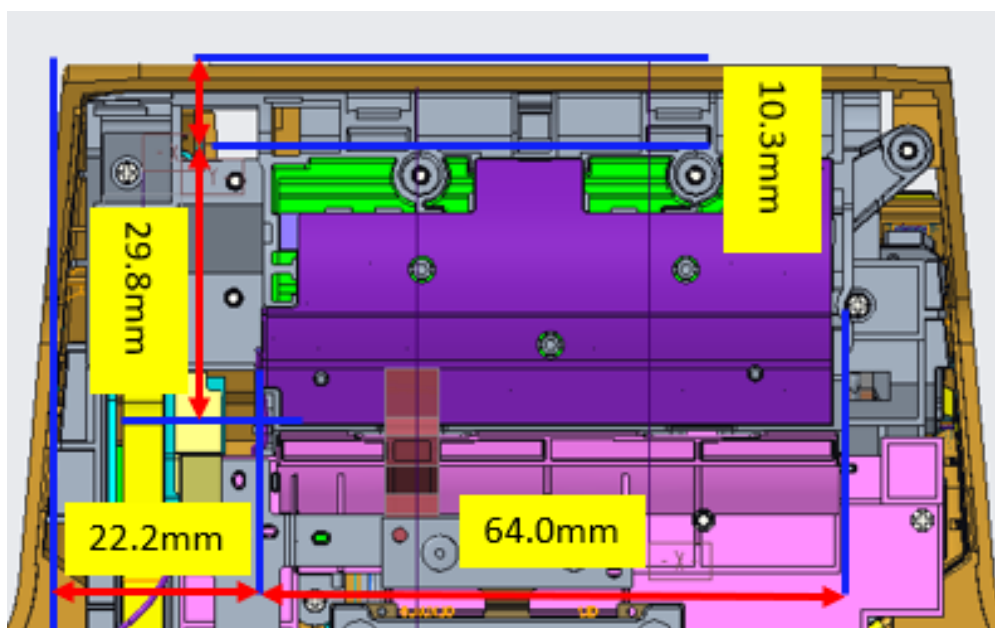
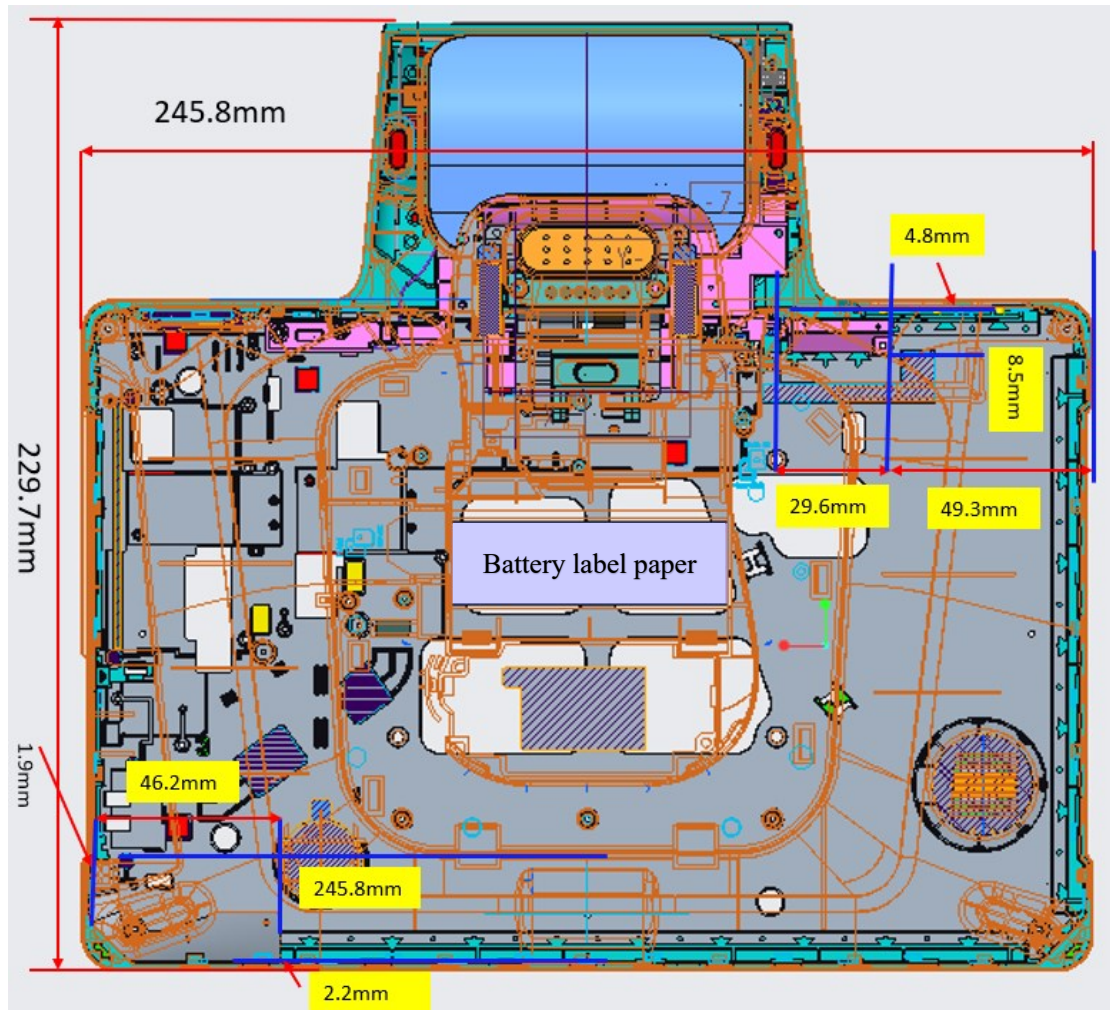
Entry Name	MIX
Frequency Channel	GSM850/900/1800 UMTS: B1/2/4/5/8 FDD-LTE: B1/2/3/4/5/7/12/13/14/17/18/19/25/26/28/30/66/ 71 TDD-LTE: 38/41
Supplier Name	KunShan Innwave Communication Technology Co., Ltd.

## 1. Type of Antenna: MONOPOLE

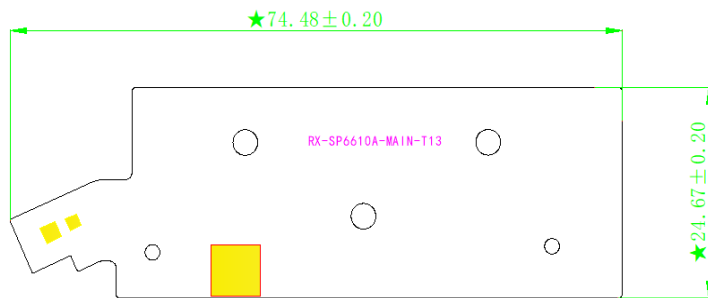
Antenna attachment type: Fixed/Internal mounted



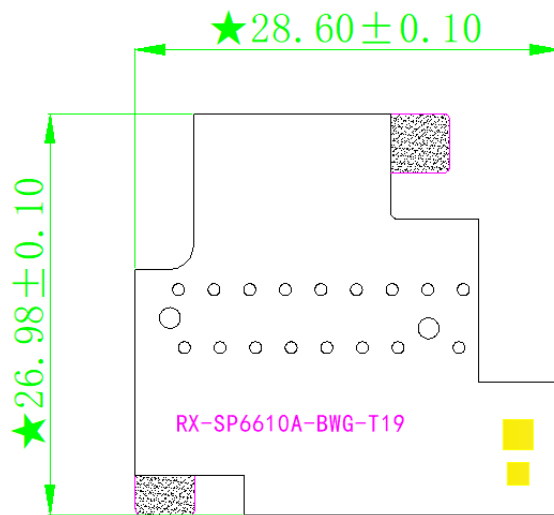
## 2. Antenna Area



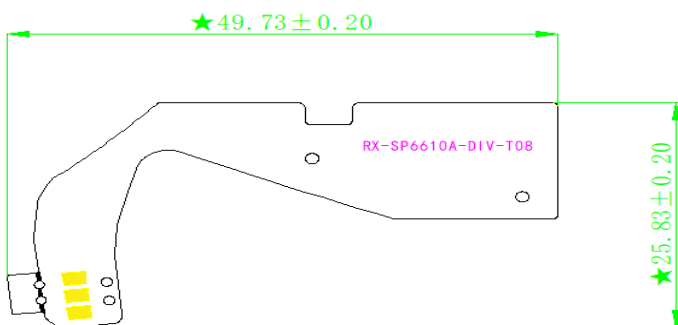
## MAIN ANTENNA



## WCN



## SUB antenna



**3. Efficiency and Gain**

**ANT1- Efficiency and Gain**

BAND	Peak Gain(dBi)	Average Gain(dB)
GSM850/WB5/6 LTE B5/18/19/26	-0.7	-4.9
GSM900/WB8	-1.3	-5.3
LTE B12/13/14/28/17	-0.9	-5.2
LTE B71	-1.1	-6.8
LTE B39 WCDMA b2/LTE B2	4.8	-2.5
LTE B30	3.1	-2.9
LTE B7/38/41	4.2	-2.6
GSM1800 WCDMA B4 lte 3/4/66	5.0	-2.9
Lte b1 WCDMA B1	4.7	-2.6

**WCN - Efficiency and Gain**

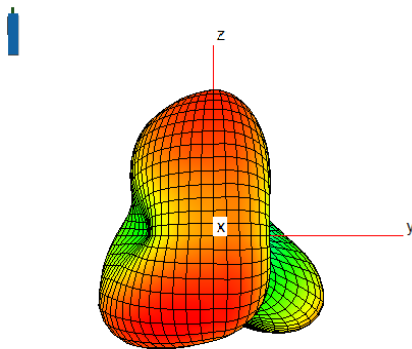
Freq (MHz)	Peak Gain(dBi)	Average Gain(dB)
2400~2483.5MHz	2.0	-3.7
5150~5250MHz	3.0	-3.8
5250~5350MHz	3.0	-3.6
5470~5725MHz	3.0	-3.6

5725~5850MHz	3.1	-3.9
1575.5MHz	0.3	-4.2

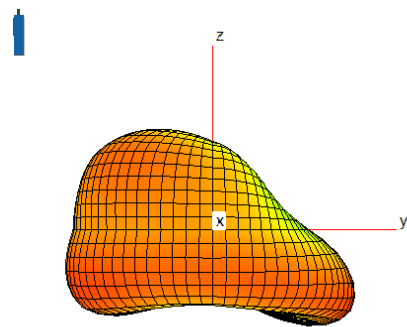
## 4. 3D Directional Pattern

### MAIN ANTENNA

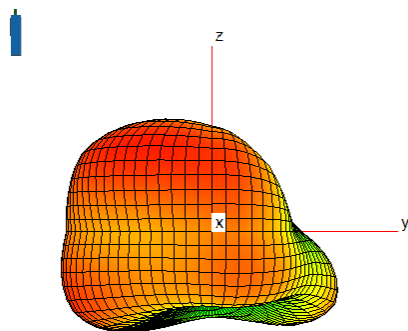
620MHZ



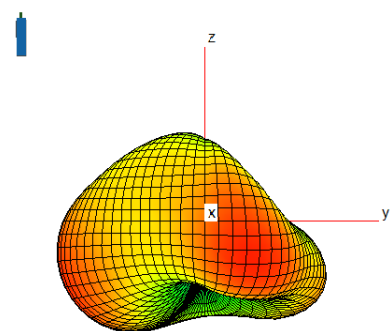
690MHZ



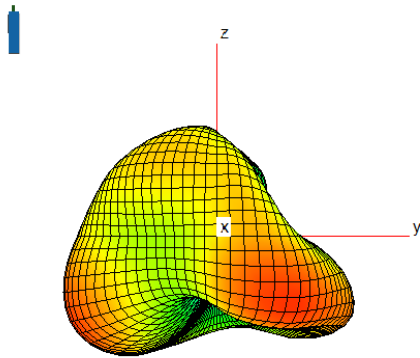
710MHZ



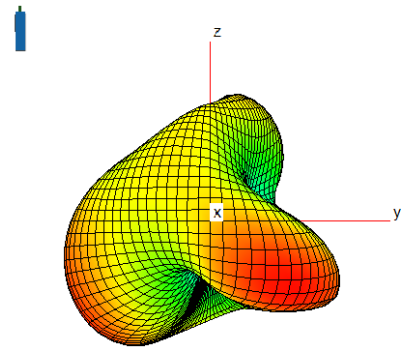
740MHZ



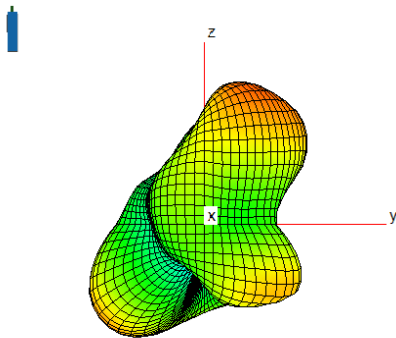
### 760MHZ



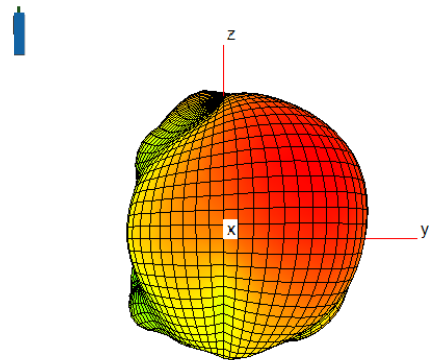
### 790MHZ



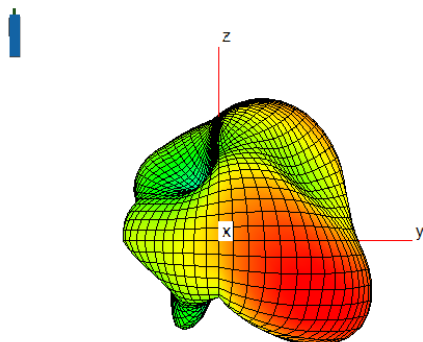
### 830MHZ



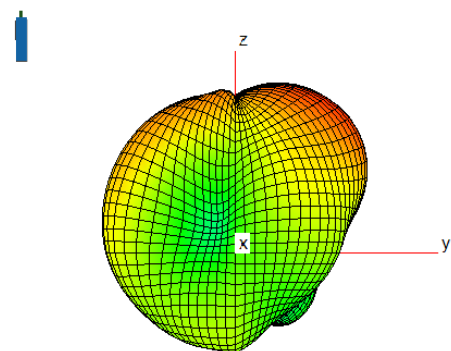
### 880MHZ



### 960MHZ

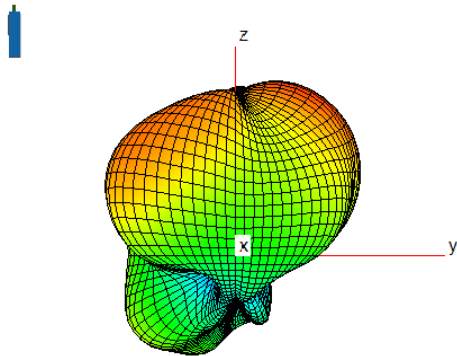


### 1710MHZ

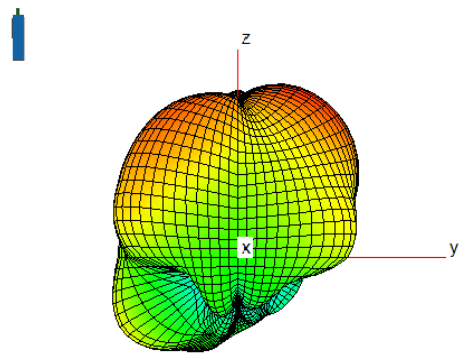




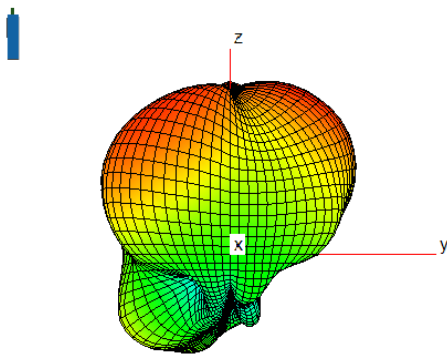
**1850MHZ**



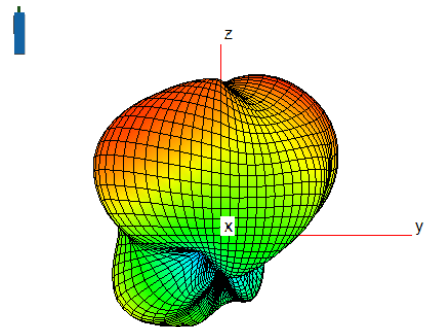
**1880MHZ**



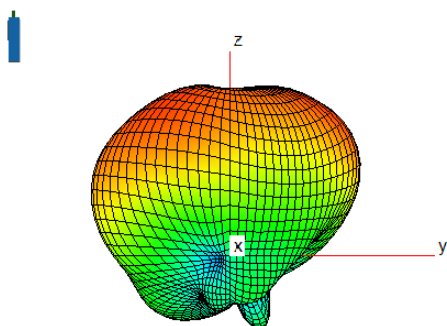
**1920MHZ**



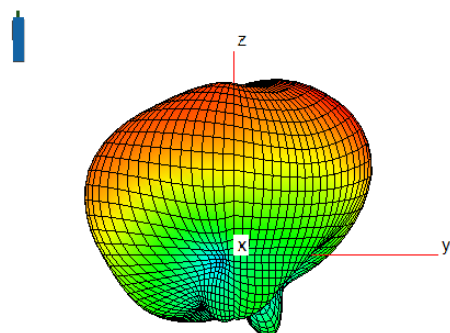
**1990MHZ**



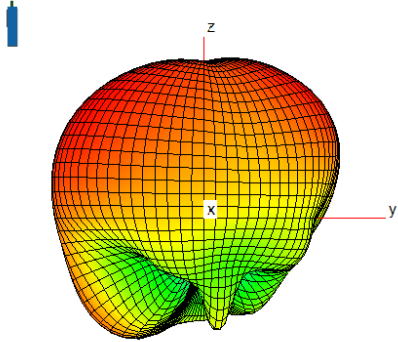
**2150MHZ**



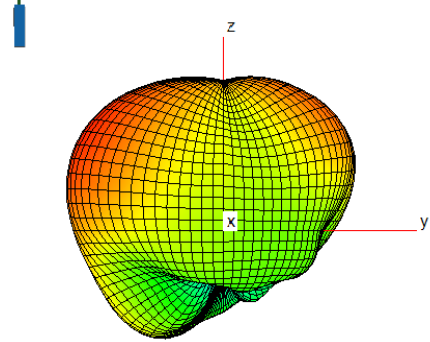
**2170MHZ**



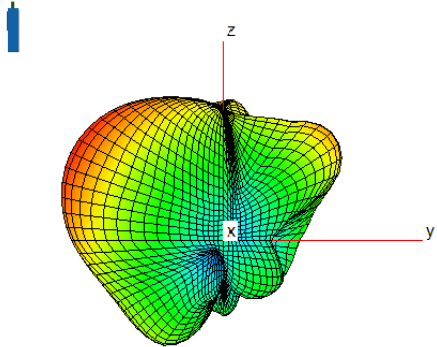
### 2300MHZ



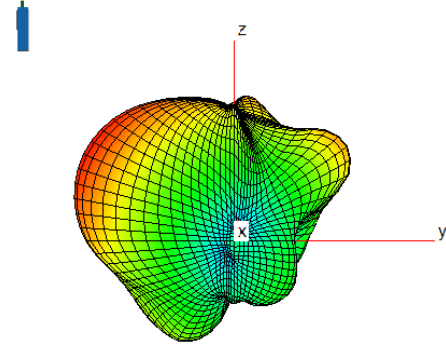
### 2360MHZ



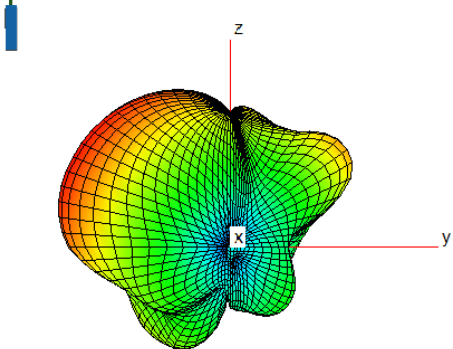
### 2500MHZ



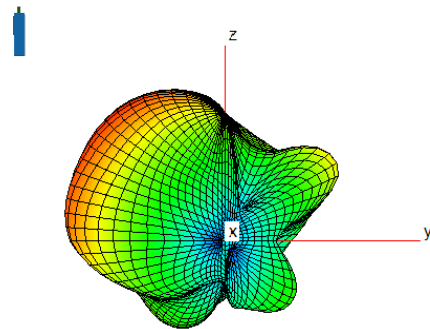
### 2570MHZ



### 2620MHZ



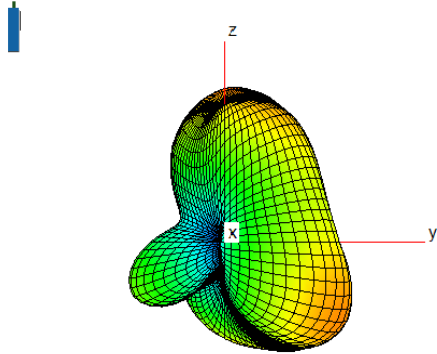
### 2690MHZ



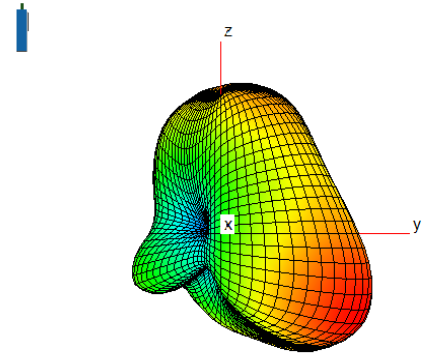


DIV ANTENNA

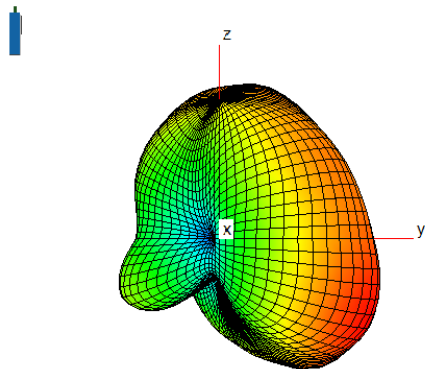
620MHZ



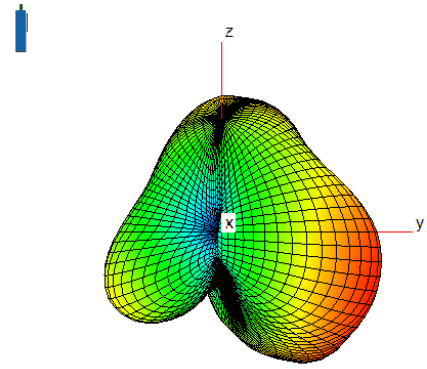
690MHZ



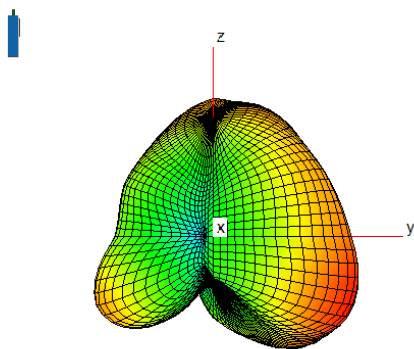
710MHZ



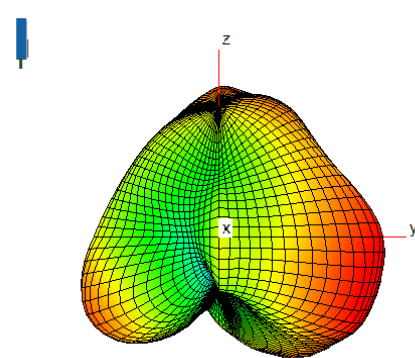
740MHZ



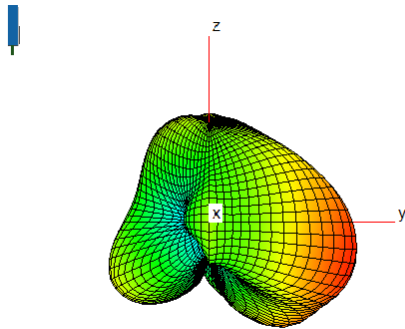
760MHZ



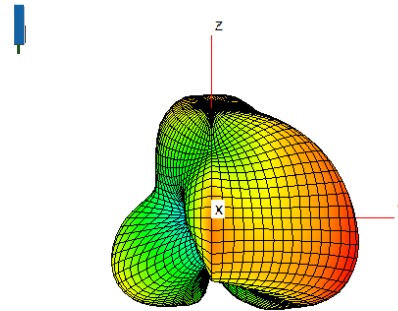
790MHZ



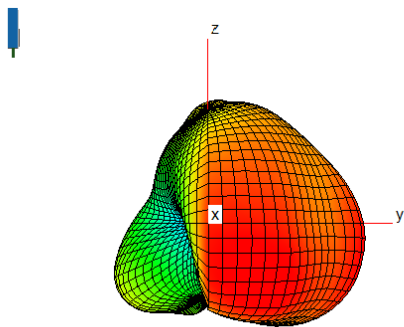
830MHZ



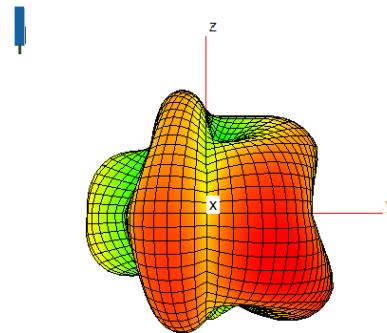
880MHZ



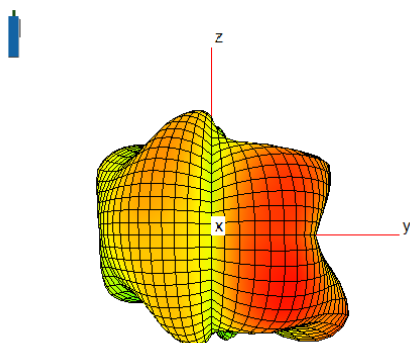
960MHZ



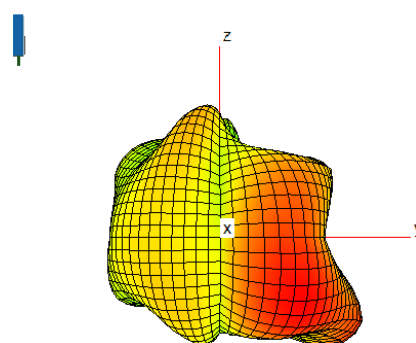
1710MHZ



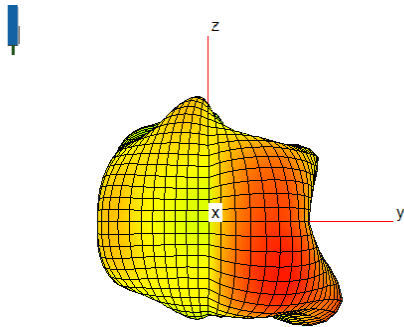
1850MHZ



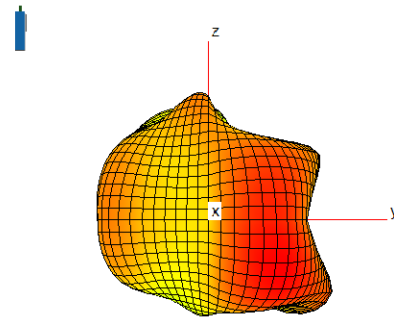
1880MHZ



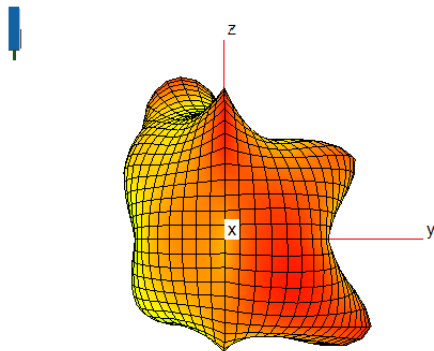
1920MHZ



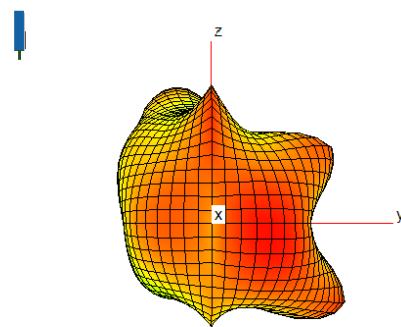
1990MHZ



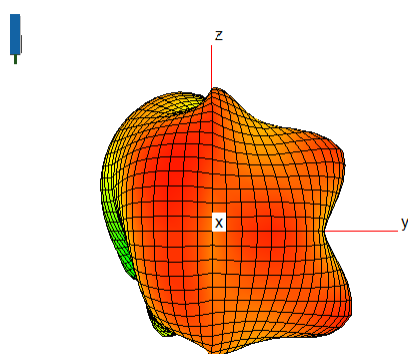
2150MHZ



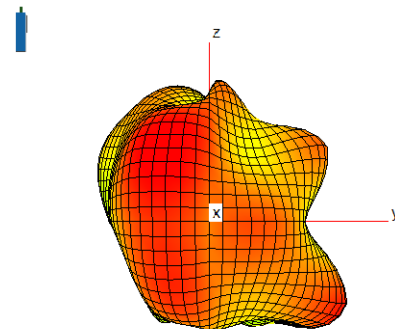
2170MHZ



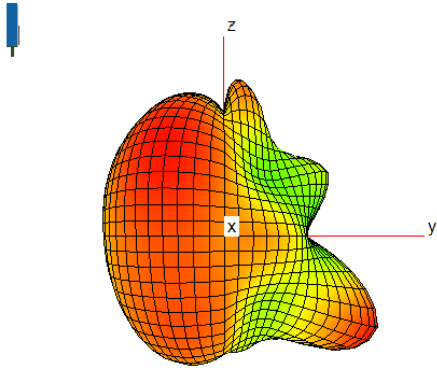
2300MHZ



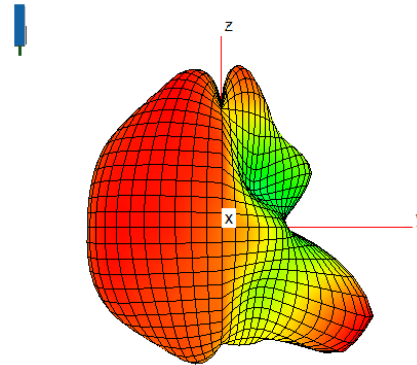
2360MHZ



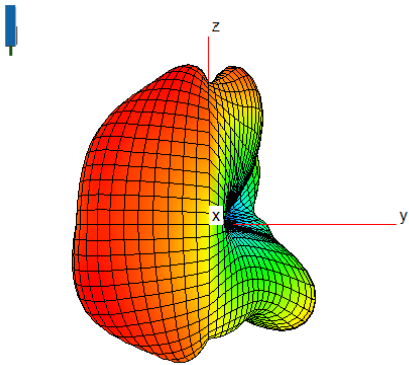
2500MHZ



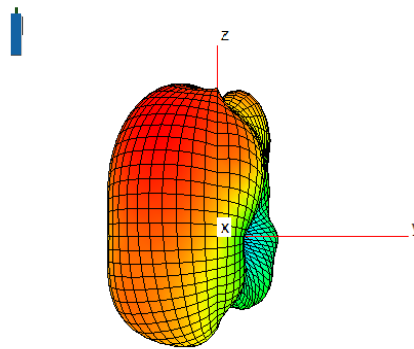
2570MHZ



2620MHZ

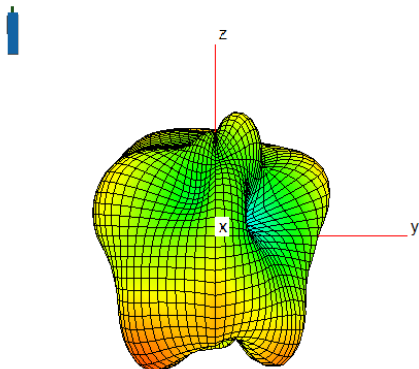


2690MHZ

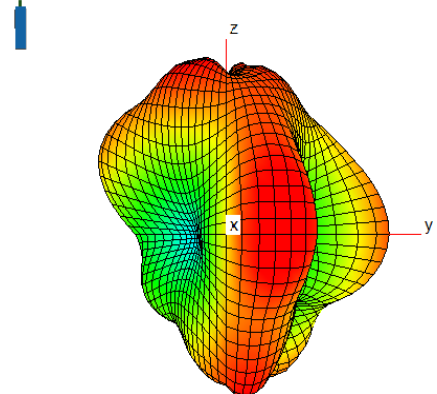


WCN

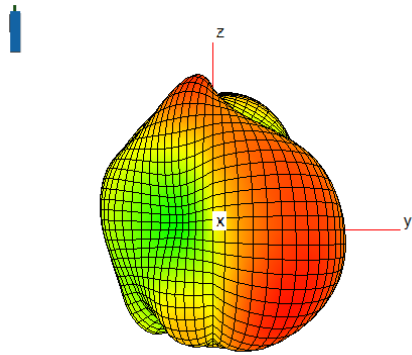
1575MHZ



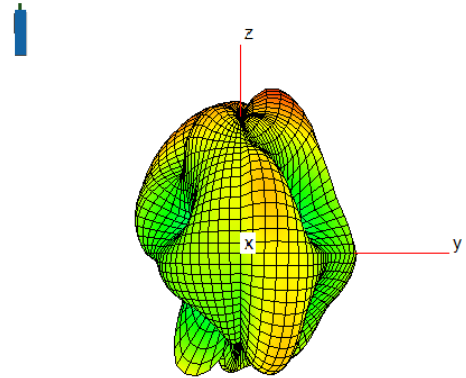
2400MHZ



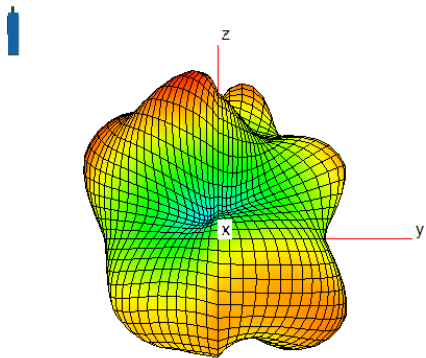
2480MHZ



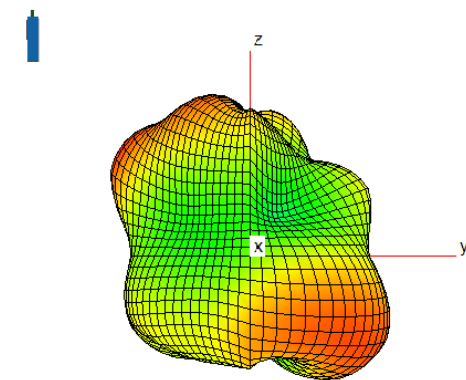
2500MHZ



5150MHZ



5350MHZ



5850MHZ

