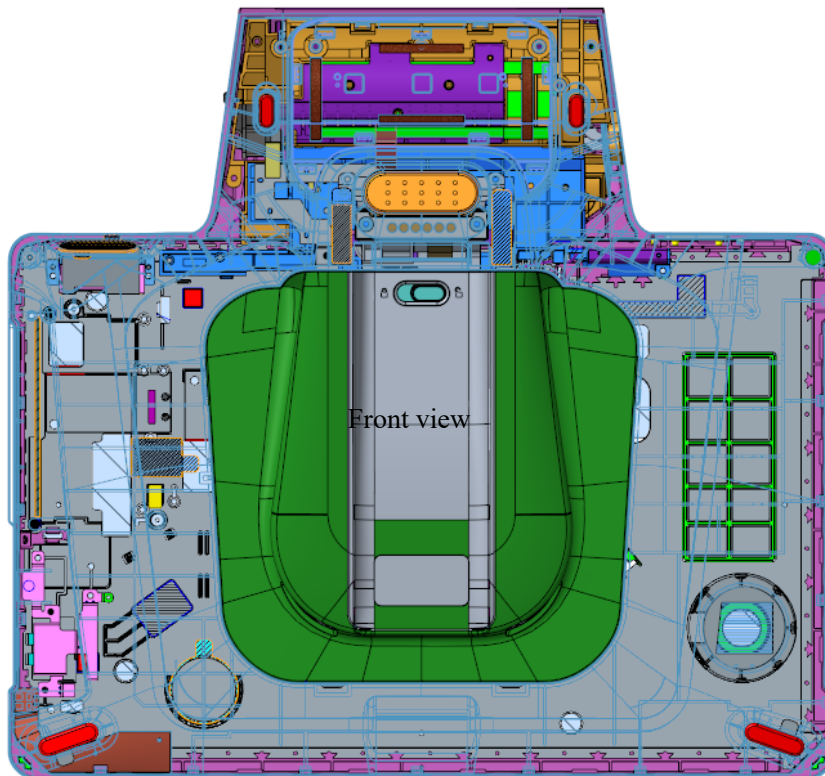


Antenna Product Specification

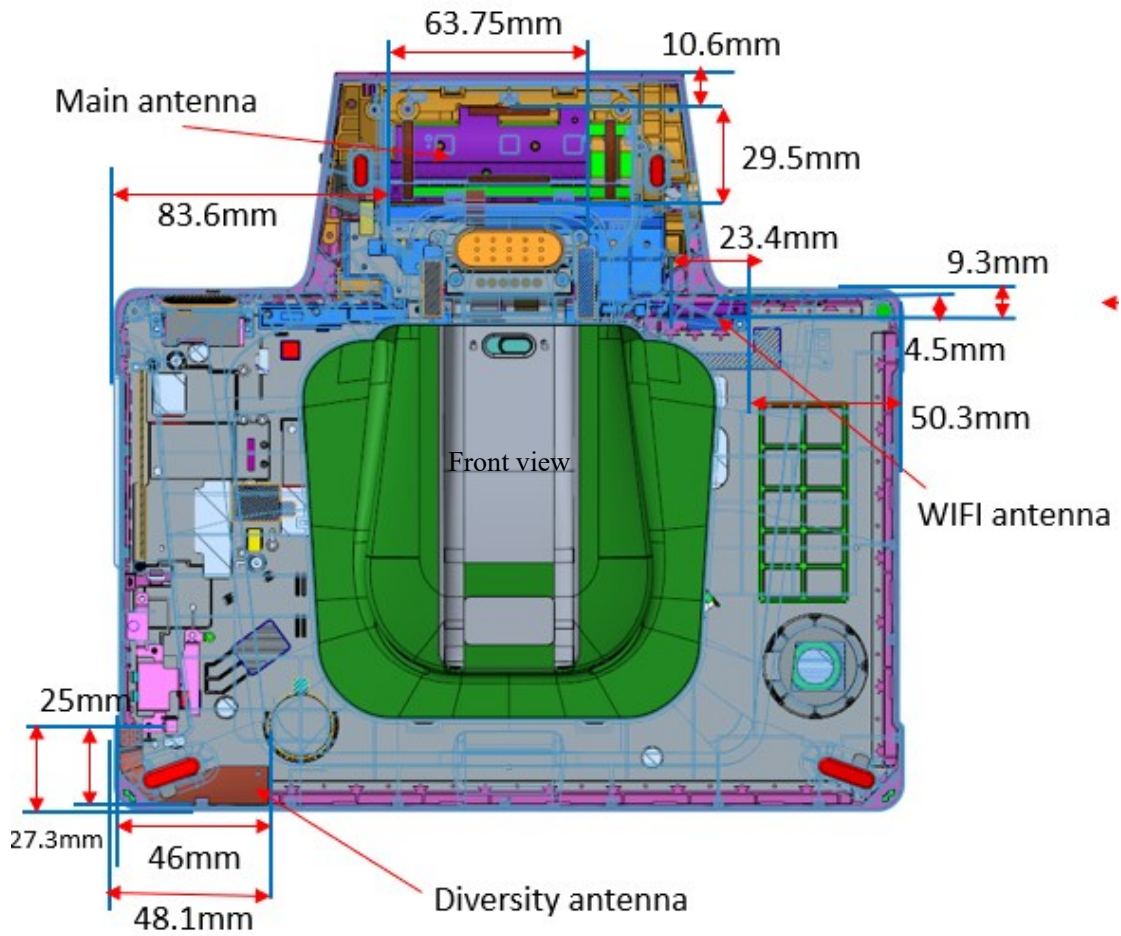
Entry Name	MIX
Frequency Channel	GSM850/900/1800 UMTS: B1/2/4/5/8 FDD-LTE: B1/2/3/4/5/7/12/13/14/17/18/19/25/26/28/30/66/ 71 TDD-LTE: 38/41
Supplier Name	KunShan Innowave Communication Technology Co., Ltd.

1. Type of Antenna: MONOPOLE

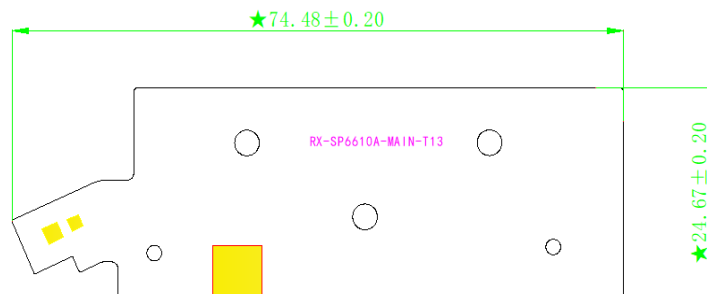
Antenna attachment type: Fixed/Internal mounted



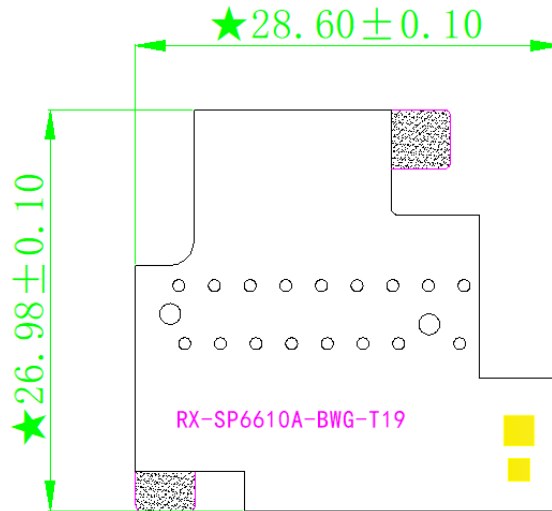
2. Antenna Area



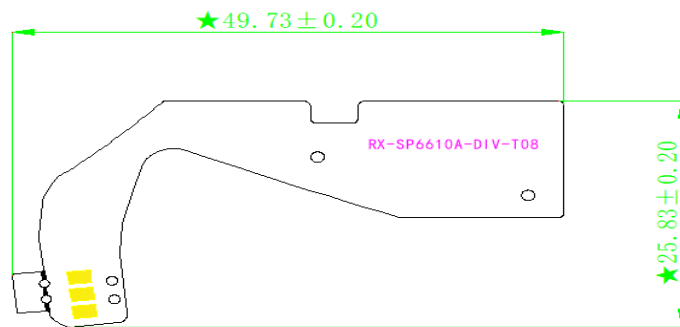
MAIN ANTENNA



WCN



SUB antenna



3. Efficiency and Gain

ANT1- Efficiency and Gain

BAND	Peak Gain(dBi)	Average Gain(dB)
GSM850/WB5 LTE B5/18/19/26	0.6	-4.5

Internal Antenna Product Specification

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Rev:1.0

GSM900/WB8	0.8	-5.3
LTE B12/13/14/28/17	-1.2	-6.0
LTE B71	-2.3	-7.1
LTE B39 WCDMA b2/LTE B2	4.0	-2.1
LTE 30	3.1	-2.3
LTE B7/38/41	3.3	-2.6
GSM1800 WCDMA B4 lte 3/4/66	3.7	-2.4
Lte b1 WCDMA B1	4.2	-2.4

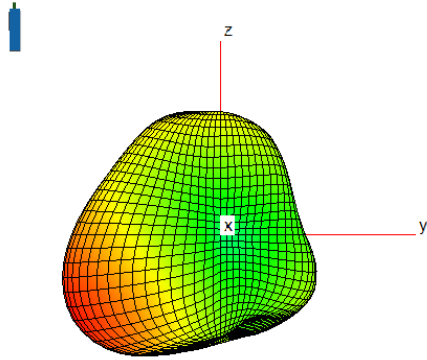
WCN - Efficiency and Gain

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

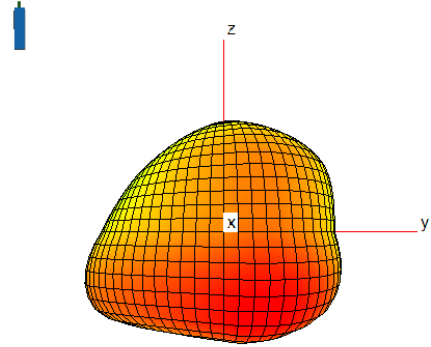
4. 3D Directional Pattern

MAIN ANTENNA

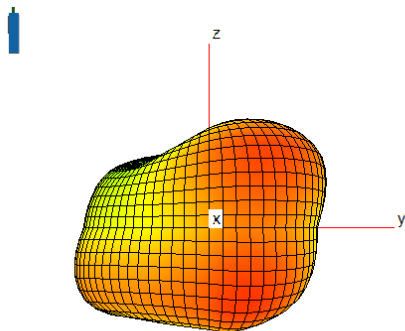
620MHZ



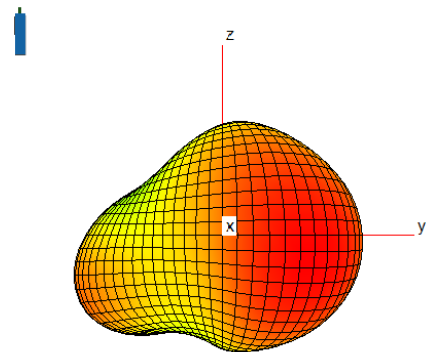
690MHZ



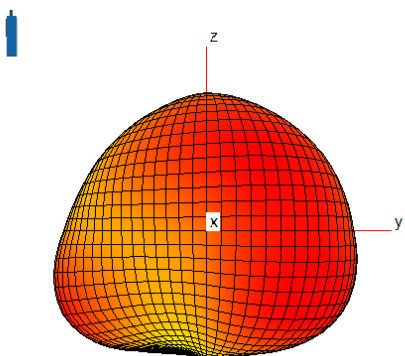
710MHZ



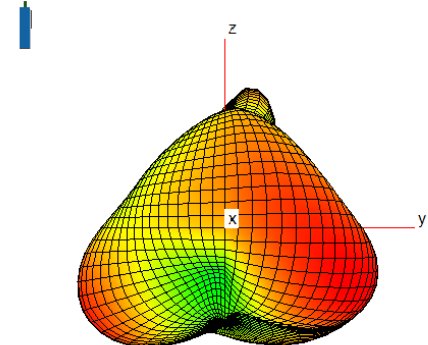
740MHZ



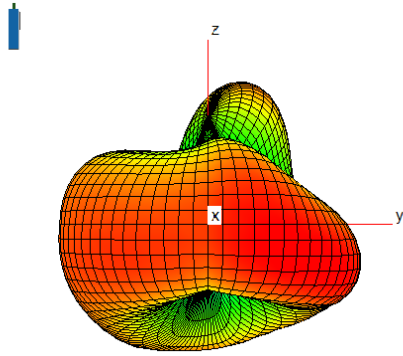
760MHZ



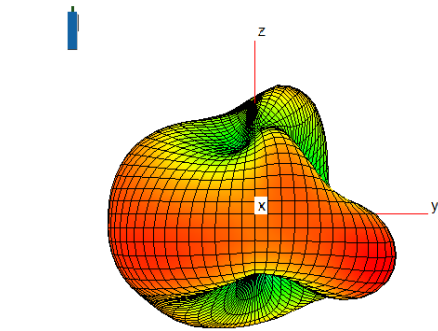
790MHZ



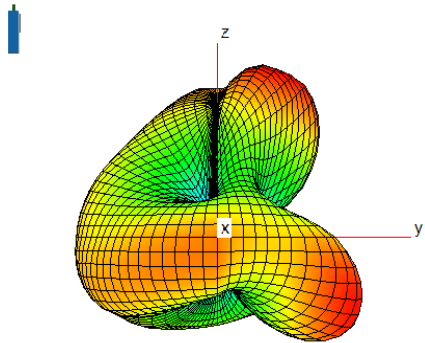
830MHZ



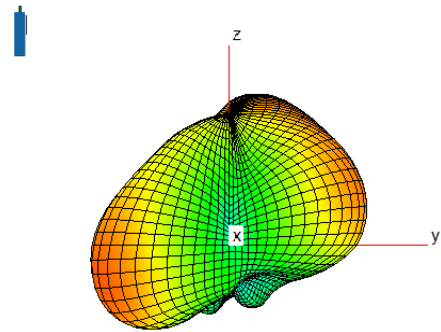
880MHZ



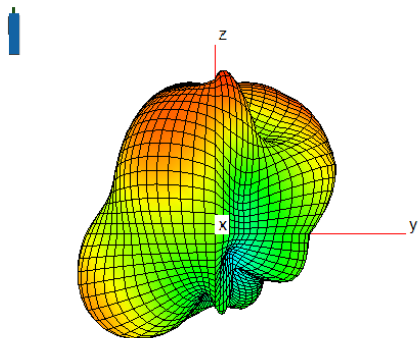
960MHZ



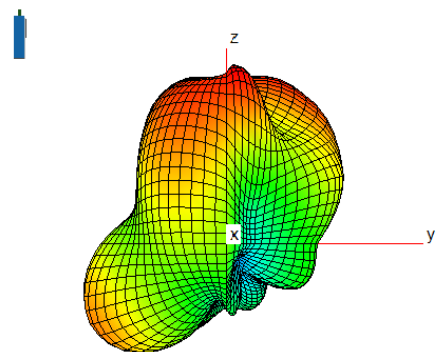
1710MHZ



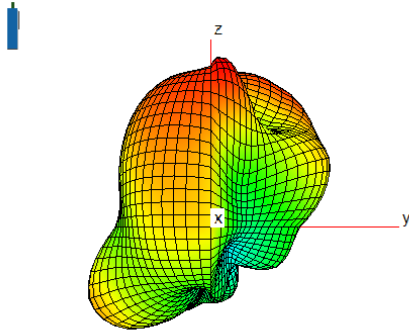
1850MHZ



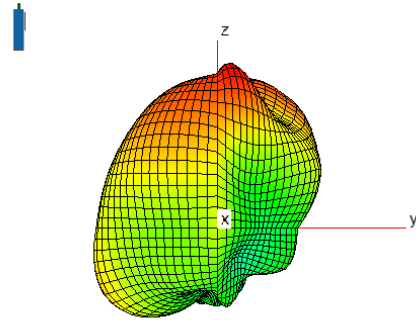
1880MHZ



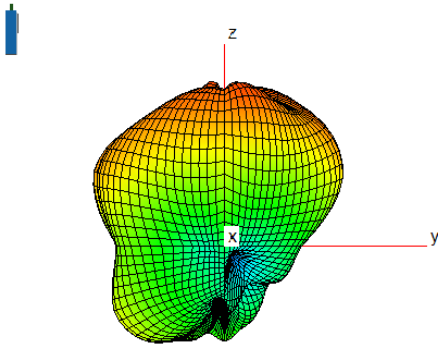
1920MHZ



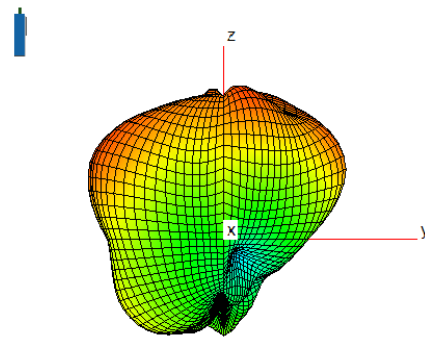
1990MHZ



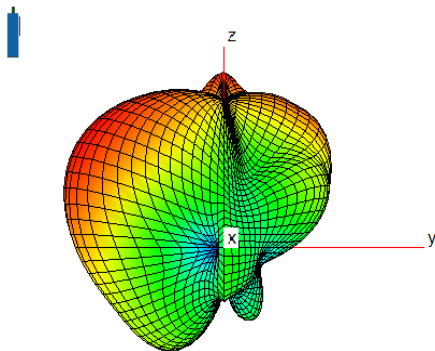
2150MHZ



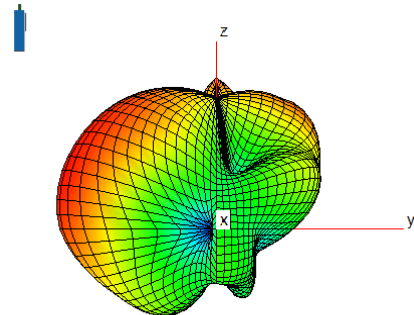
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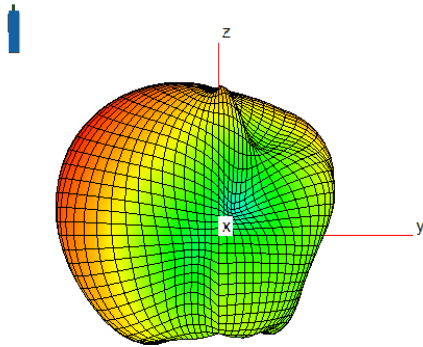
2300MHZ



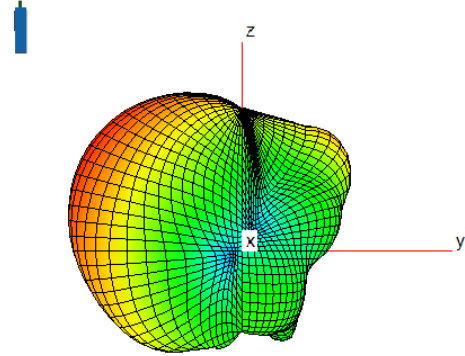
2360MHZ



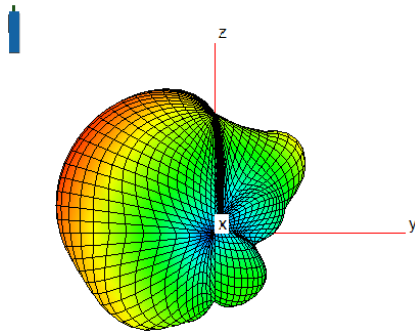
2500MHZ



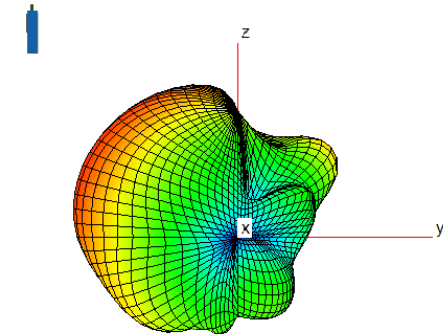
2570MHZ



2620MHZ

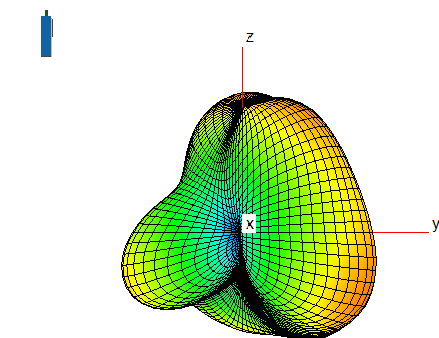


2690MHZ

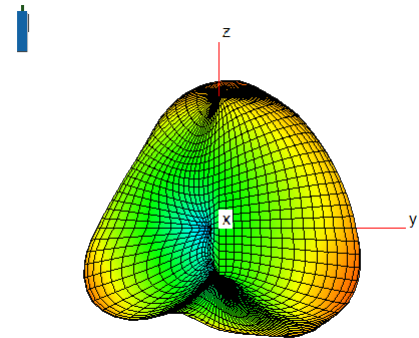


DIV ANTENNA

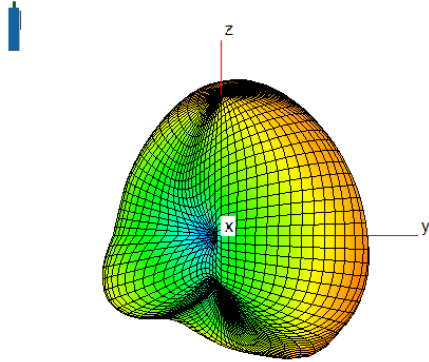
620MHZ



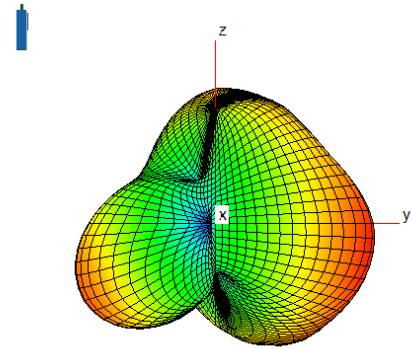
690MHZ



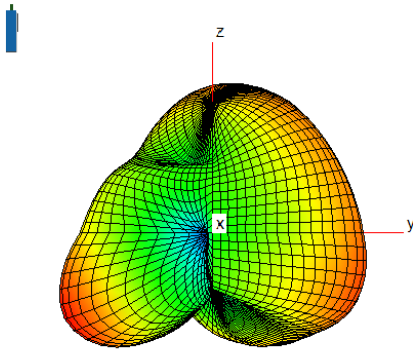
710MHZ



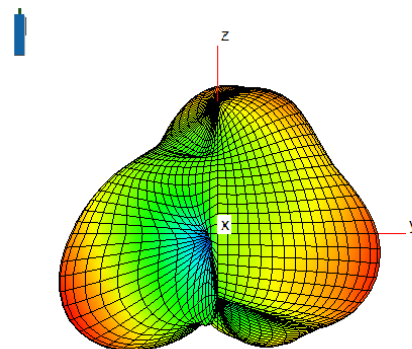
740MHZ



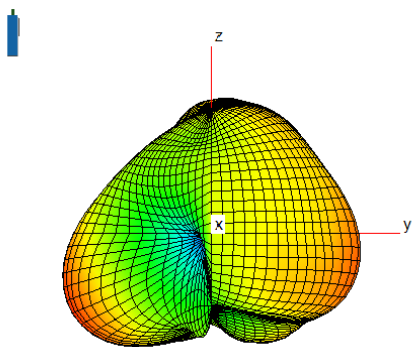
760MHZ



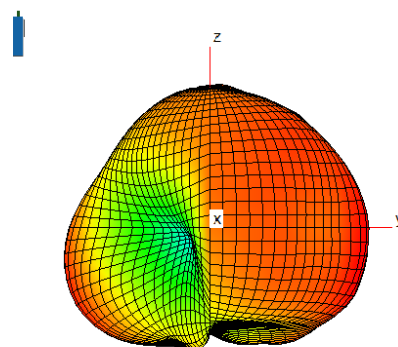
790MHZ



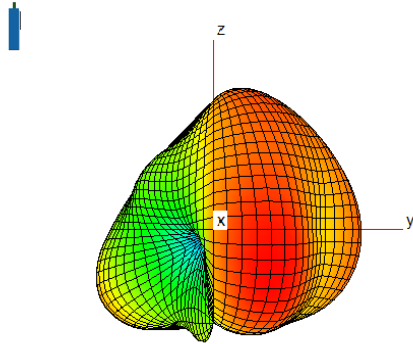
830MHZ



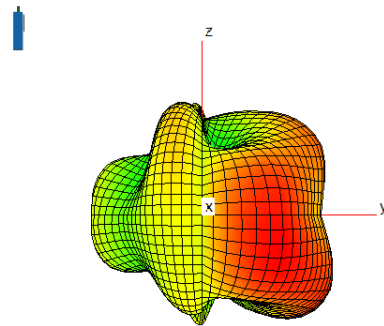
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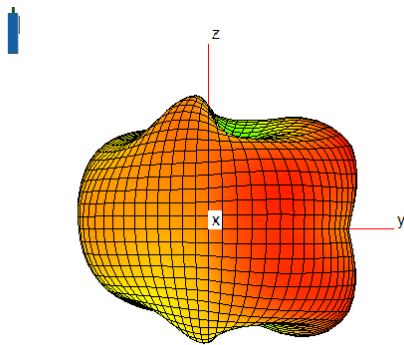
960MHZ



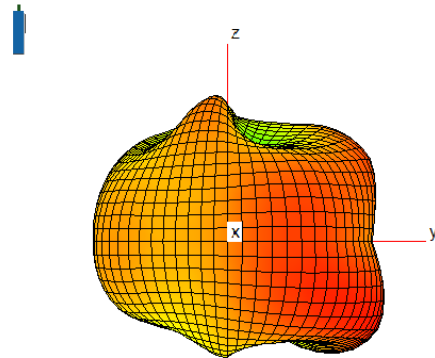
1710MHZ



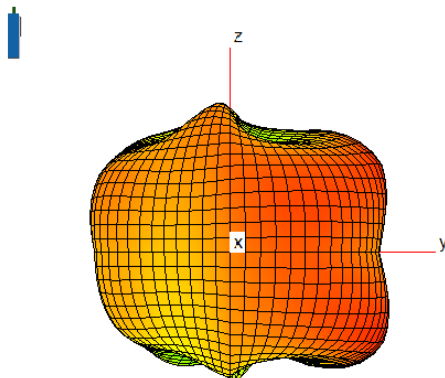
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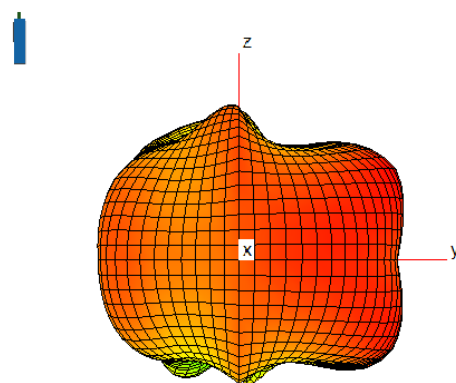
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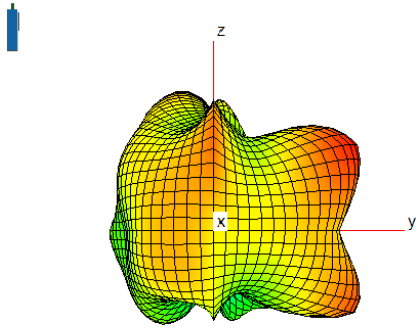
1920MHZ



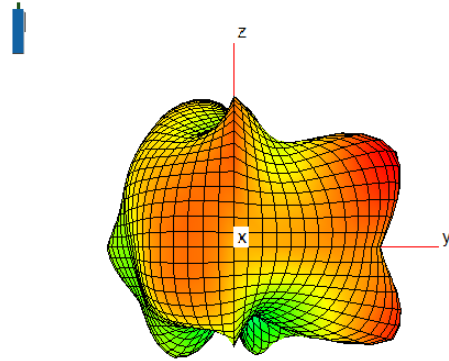
1990MHZ



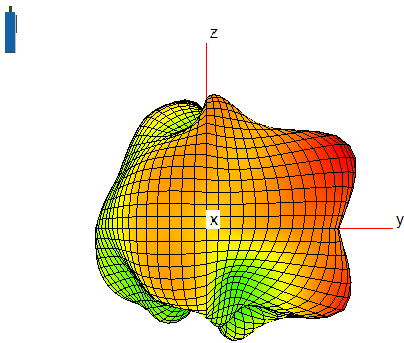
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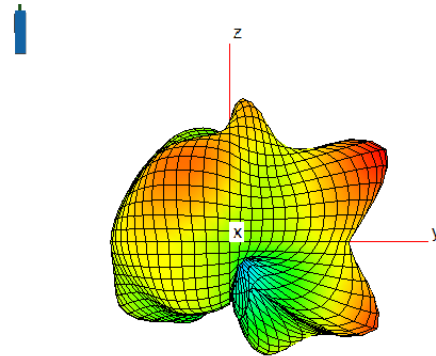
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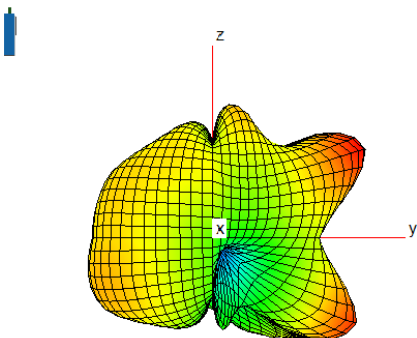
2300MHZ



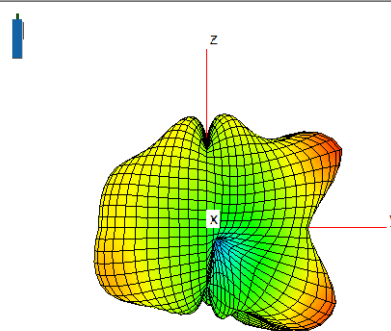
2360MHZ



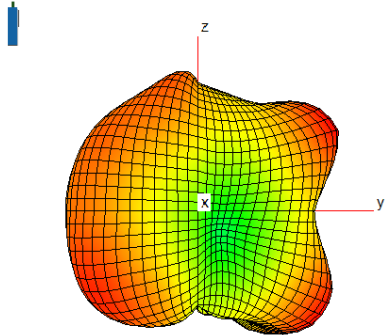
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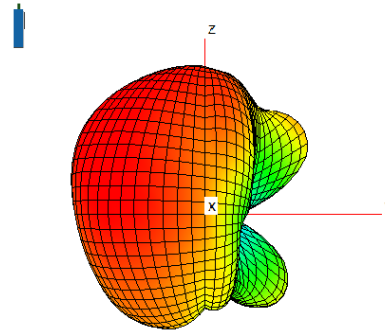
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2620MHZ

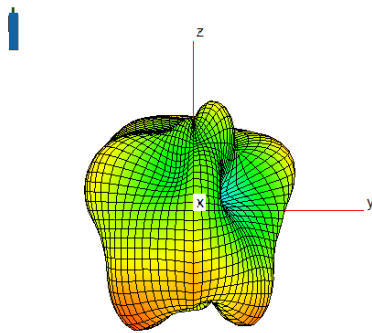


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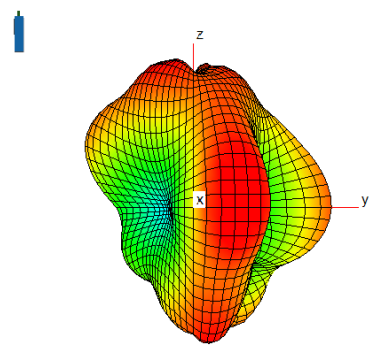


WCN

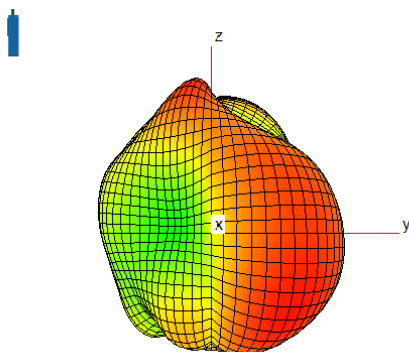
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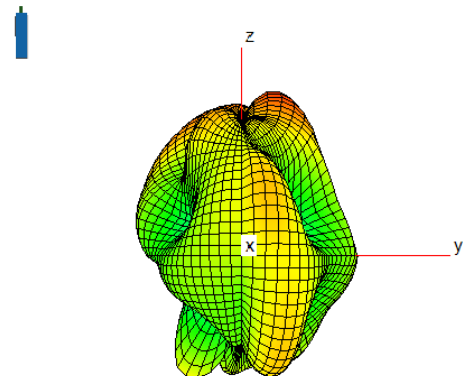
2400MHZ



2480MHZ

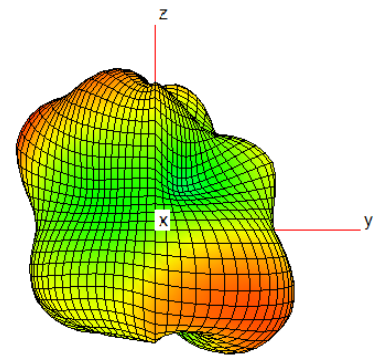
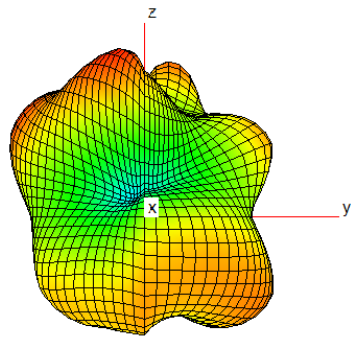


2500MHZ



5150MHZ

5350MHZ



5850MHZ

