

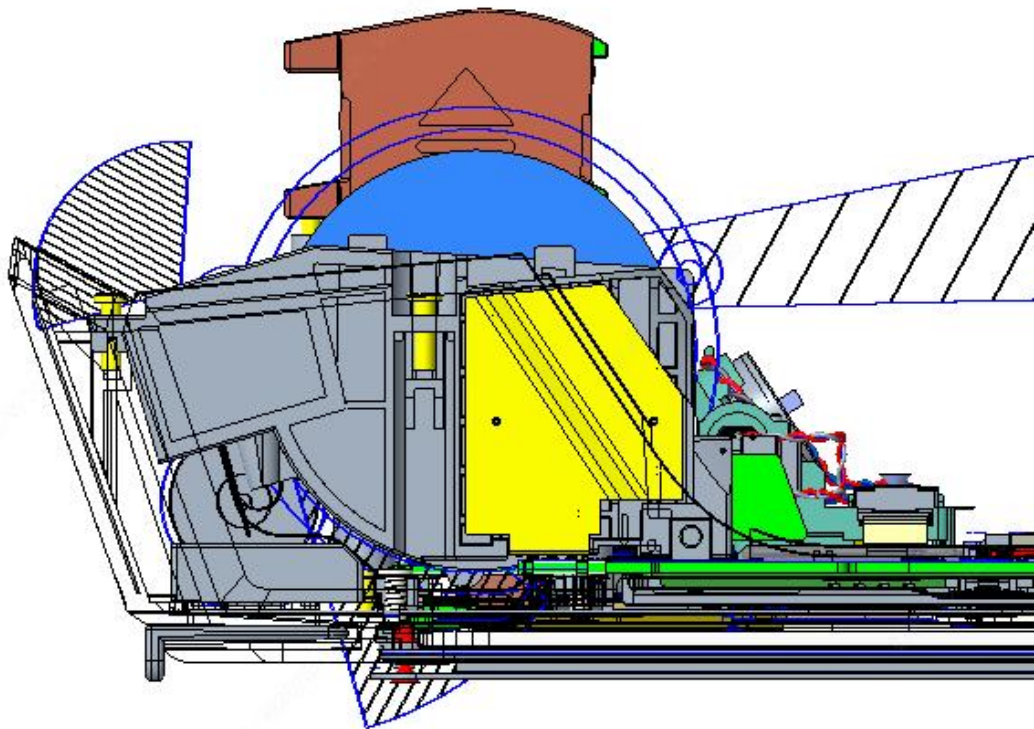
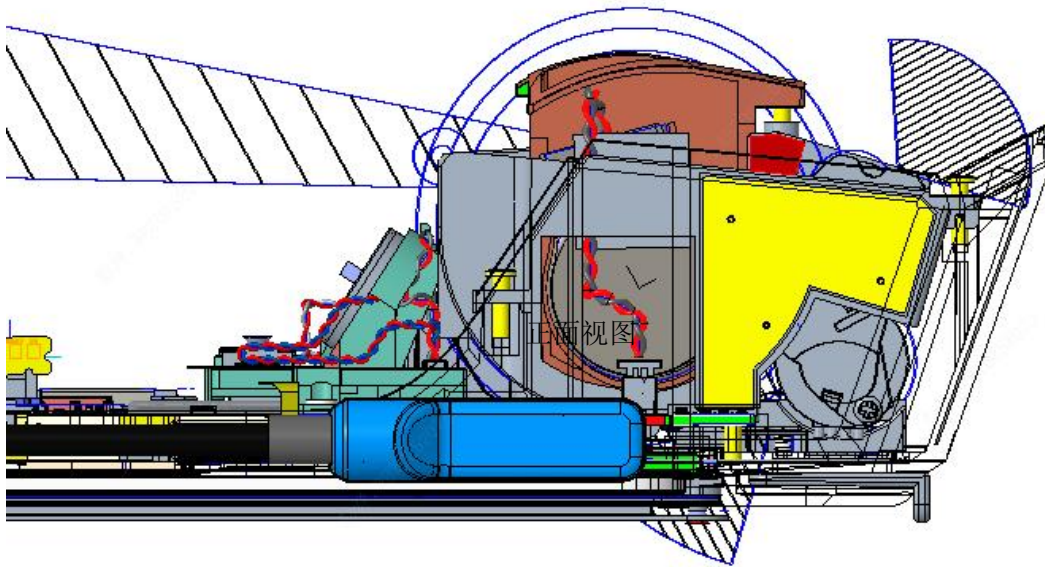
Antenna Product Specification

Entry Name	K9&S9
Frequency Channel	GSM850/900/1800 /1900 UMTS: B1/2/5/8 FDD-LTE: B1/3/5/7/8/28 TDD-LTE: B40
Supplier Name	KunShan Innowave Communication Technology Co., Ltd.

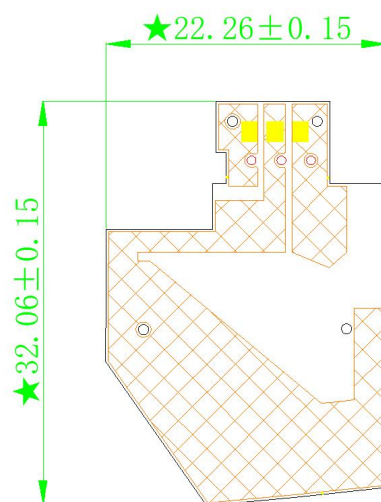
1. Type of Antenna: MONOPOLE

Antenna attachment type: Fixed/Internal mounted

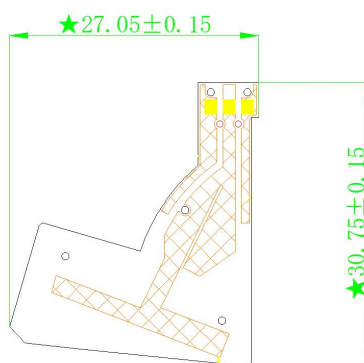
2. Antenna Area



MAIN ANTENNA



WCN



SUB antenna



3. Efficiency and Gain

ANT1- Efficiency and Gain

BAND	Peak Gain(dBi)	Average Gain(dB)
GSM850/WCMA B5/LTE B5	1.2	-5.4
GSM900/WCMA B8/LTE B8	1.5	-5
LTE 28	-4.1	-7.2
LTE B40	3.6	-3
LTE B7	1.7	-2.9
GSM1800/LTE B3	2.2	-3.2
GSM1900//WCMA B2/LTE B2	2.1	-3.6
WCMA B1/LTE B1	3.3	-3.4

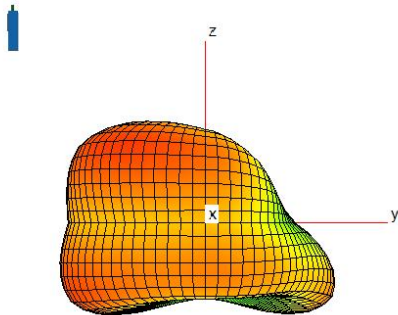
WCN - Efficiency and Gain

Freq (MHz)	Peak Gain(dBi)	Average Gain(dB)
2400~2483.5MHz	-0.5	-5.4
5150~5250MHz	1.1	-3.2
5250~5350MHz	1.1	-3.2
5470~5725MHz	1.2	-3.0
5725~5850MHz	0.9	-3.8
1575.5MHZ	1.3	-4.7

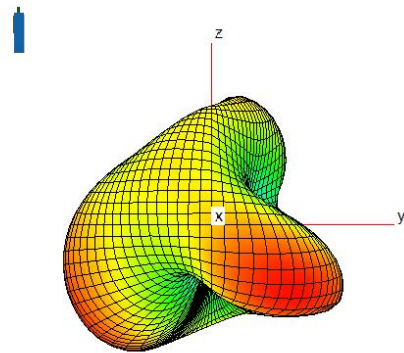
4. 3D Directional Pattern

MAIN ANTENNA

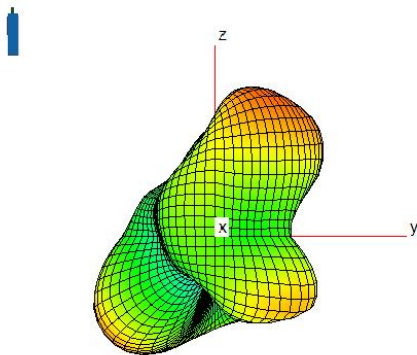
700MHZ



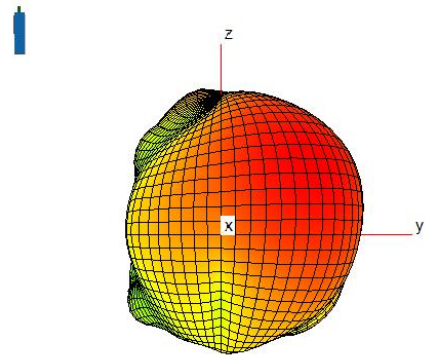
790MHZ



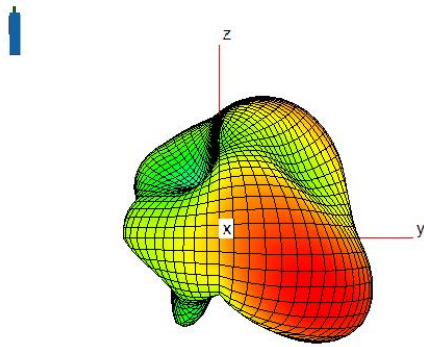
830MHZ



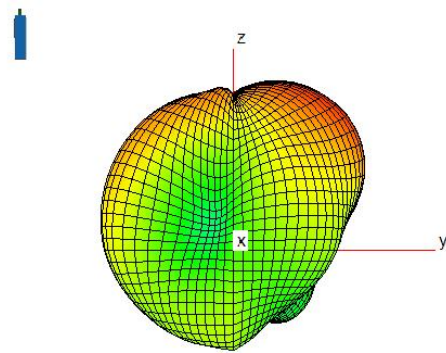
880MHZ



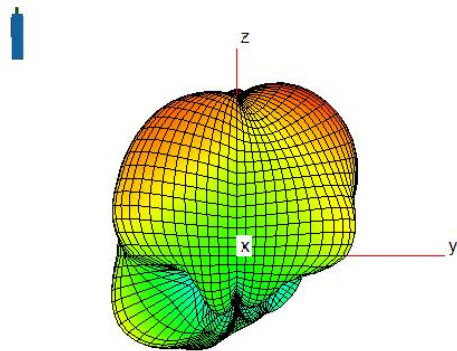
960MHZ



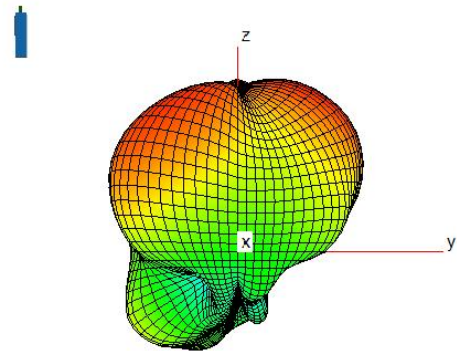
1710MHZ



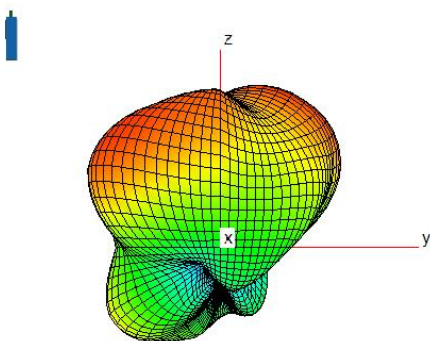
1880MHZ



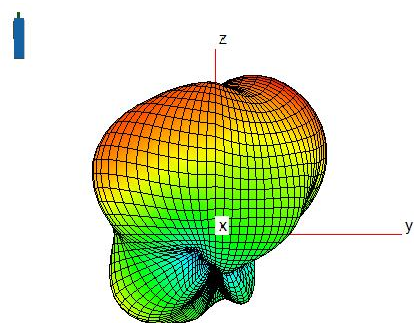
1920MHZ



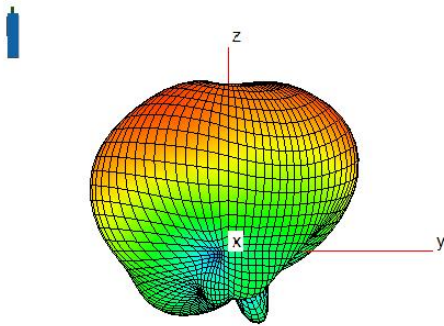
2010MHZ



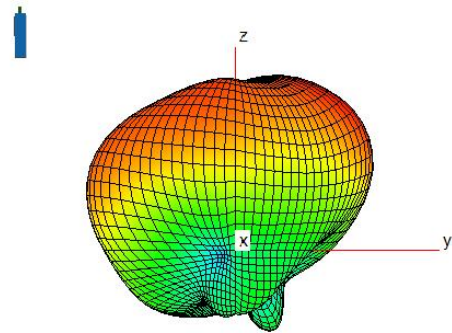
2020MHZ



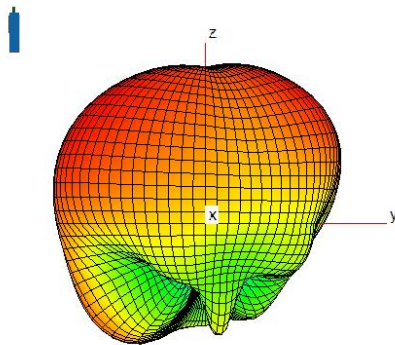
2150MHZ



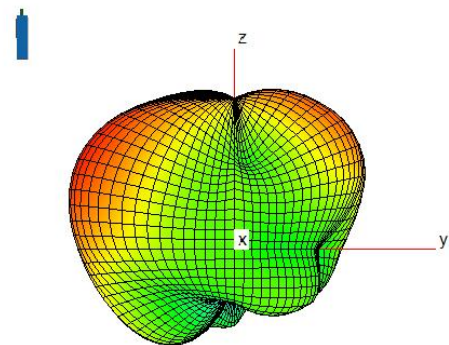
2170MHZ



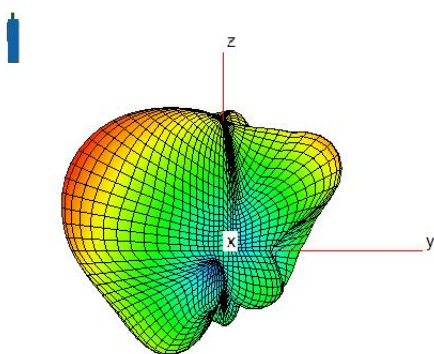
2300MHZ



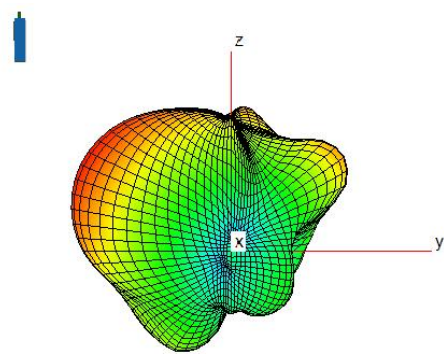
2400MHZ



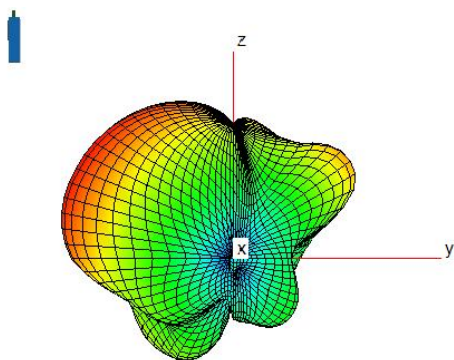
2500MHZ



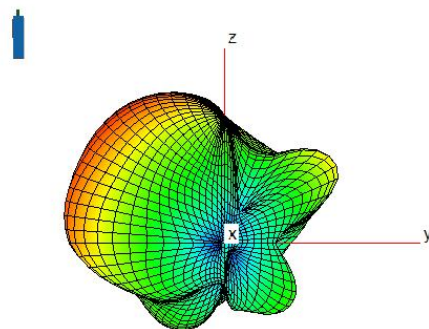
2570MHZ



2620MHZ

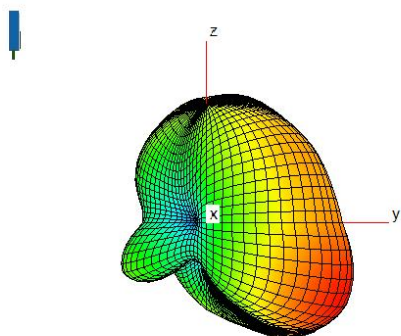


2690MHZ

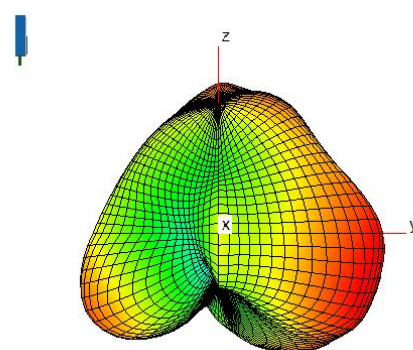


DIV ANTENNA

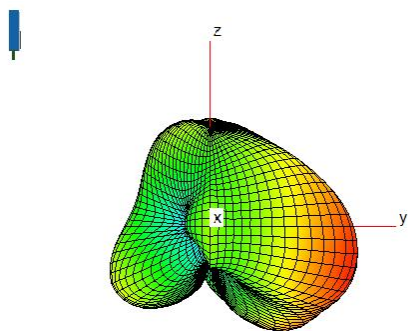
700MHZ



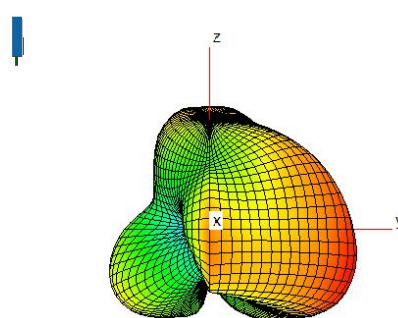
790MHZ



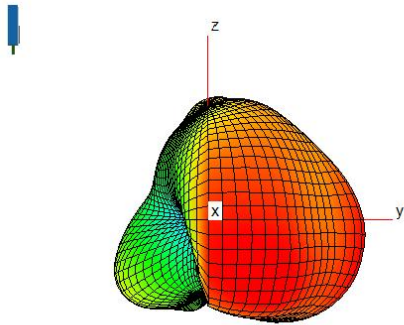
830MHZ



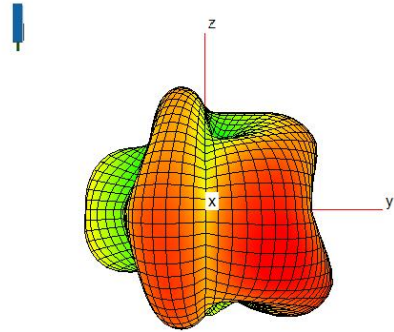
880MHZ



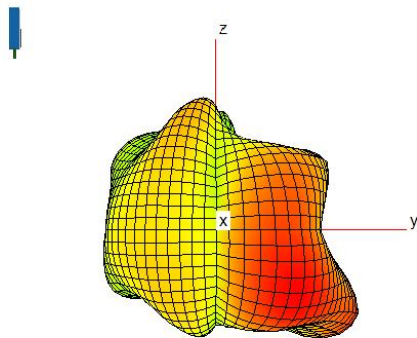
960MHZ



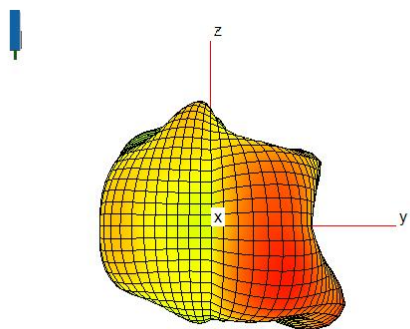
1710MHZ



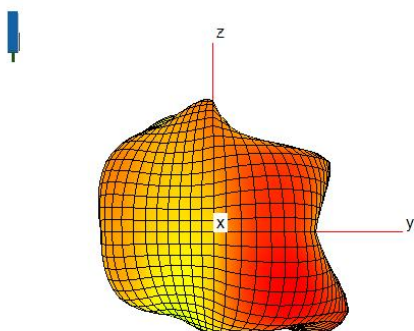
1880MHZ



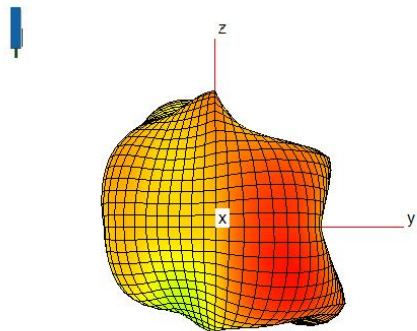
1920MHZ



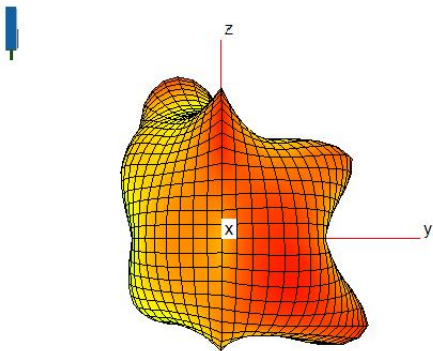
2010MHZ



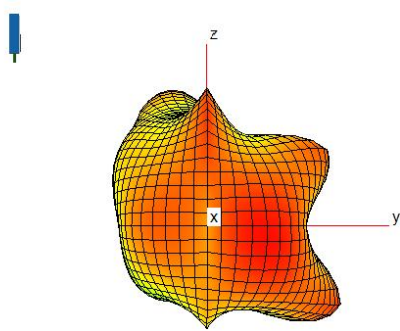
2020MHZ



2150MHZ

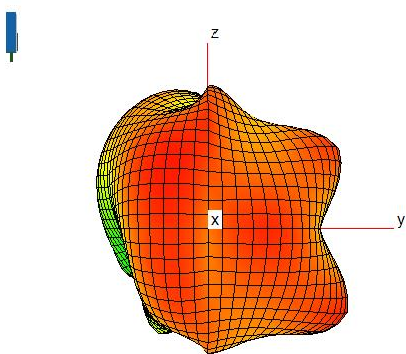


2170MHZ

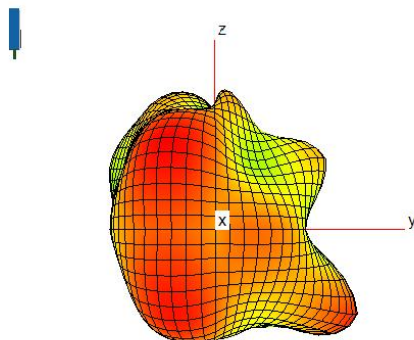


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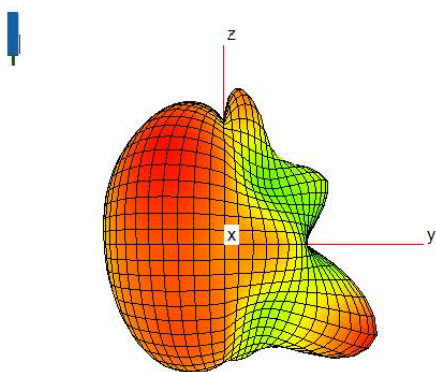
2300MHZ



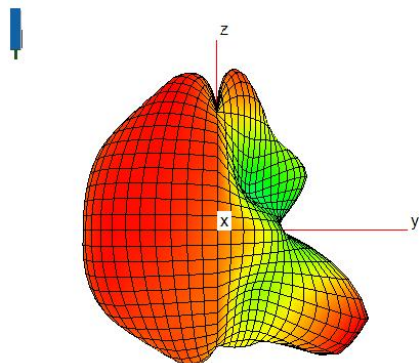
240MHZ



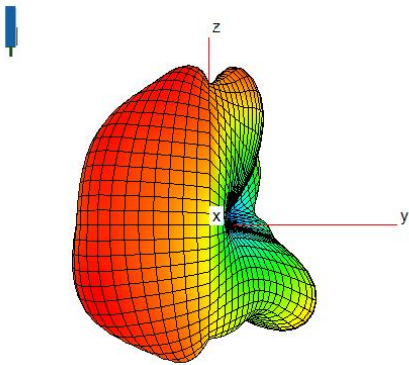
2500MHZ



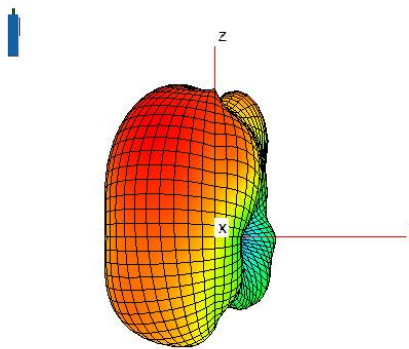
2570MHZ



2620MHZ

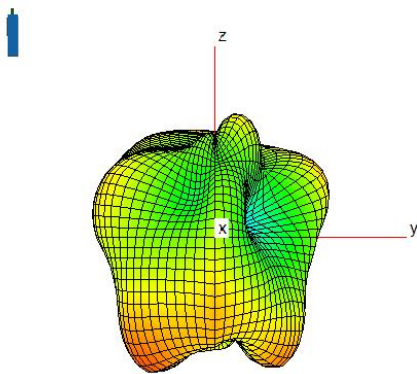


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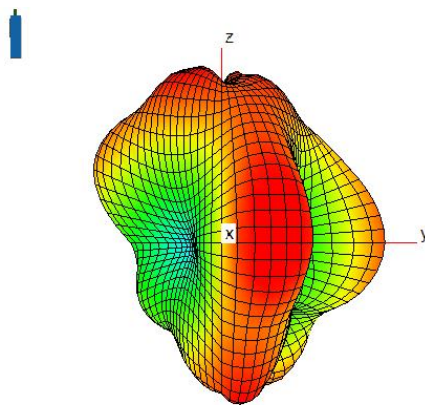


WCN

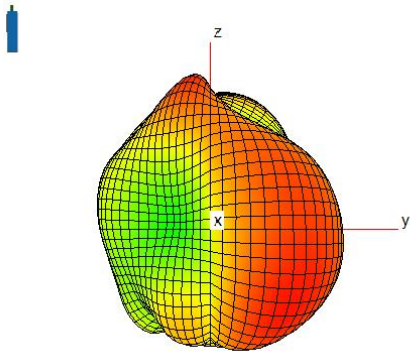
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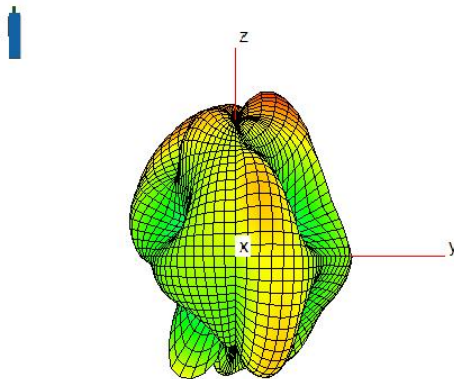
2400MHZ



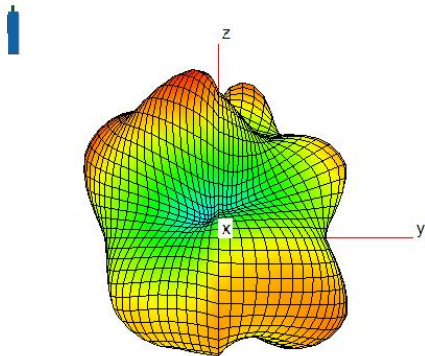
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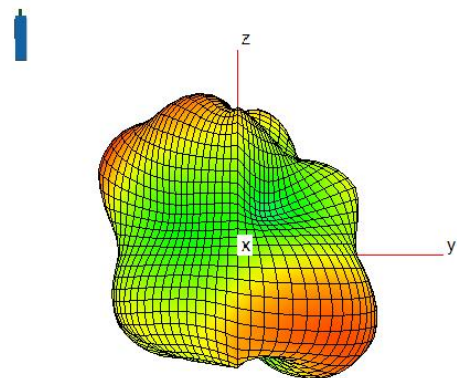
2500MHZ



5150MHZ



5350MHZ



5850MHZ

