

PD2216 Antenna Product Specification

Entry Name	PD2216
Frequency Channel	Main GSM B2/3/5/8 WB1/2/4/5/8 LTEB1/2/3/4/5/7/8/13/18/19/26/28/38/40/41/66 DIV GSM B2/3/5/8 WB1/2/4/5/8 LTEB1/2/3/4/5/7/8/13/18/19/26/28/38/40/41/66
Supplier Name	INNOWAVE

1. Type of Antenna:

Main : PIFA

GPS/ WIFI: PIFA

DIV: PIFA

Antenna attachment type: Fixed/Internal mounted

2. Peak Gain

MAIN- Gain

BAND	Peak Gain(dBi)
WB1/LTE B1	-6.3
GSM 1900/WB2/LTE B2	-5.45

Internal Antenna Product Specification

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Rev:1.0

GSM 1800/LTE B3	-1.4
LTE B4/WB4	-1.5
GSM850/WB5/LTE B5	-5.77
LTE B7	-5.5
GSM 900/WB8/LTE B8	-6.2
LTE B13	-6.4
LTE B18	-5.7
LTE B19	-5.8
LTE B26	-5.6
LTE B28	-6.3
LTE B38	-6
LTE B40	-4.7
LTE B41	-5.3
LTE B66	-1.4

DIV- Gain

BAND	Peak Gain(dBi)
WB1/LTE B1	-2.5
GSM 1900/WB2/LTE B2	-4
GSM 1800/LTE B3	-1.7

LTE B4/WB4	-1.9
GSM850/WB5/LTE B5	-4.1
LTE B7	-2.2
GSM 900/WB8/LTE B8	-5
LTE B13	-3.6
LTE B18	-4.3
LTE B19	-4.2
LTE B26	-4
LTE B28	-5.1
LTE B38	-3
LTE B40	-0.35
LTE B41	-2.8
LTE B66	-1.7

GPS/WIFI Efficiency and Gain

WIFI 2.4G & 5G & BT:

Band	Peak Gain(dBi)
802.11b/g/n(HT20/40)/ac(VHT20/40)/ax(HE20/40)	-2.95
802.11a/n(HT20/40)/ac(VHT20/40/80)/ax(HE20/40/80) B1	-1.92
802.11a/n(HT20/40)/ac(VHT20/40/80)/ax(HE20/40/80) B2	-1.92
802.11a/n(HT20/40)/ac(VHT20/40/80)/ax(HE20/40/80) B3	-1.92

802.11a/n(HT20/40)/ac(VHT20/40/80)/ax(HE20/40/80) B4	-3
BT 2.1+EDR,BLE5.0	-2.95

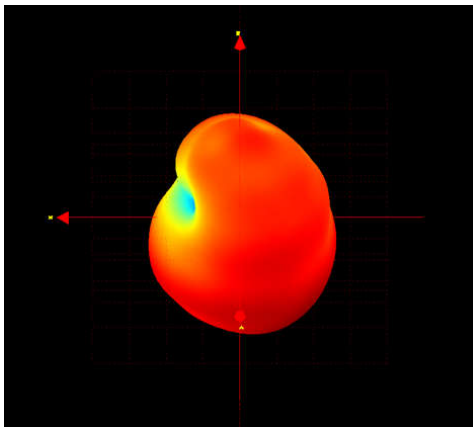
GPS:

Fre (MHZ)	Peak Gain(dBi)
1570	2.6
1575	2.8
1580	2.9

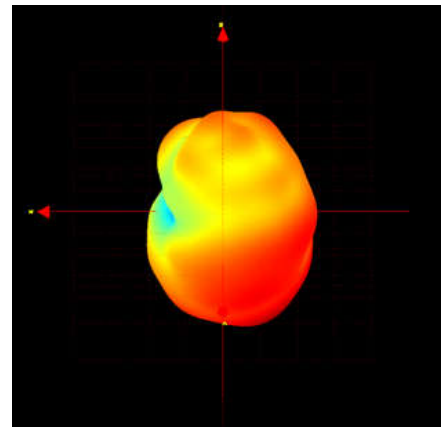
3. 3D Directional Pattern

MAIN ANT 3D

700 MHZ

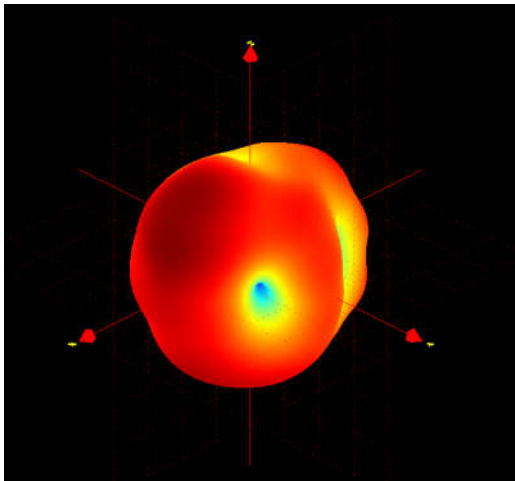


790MHZ

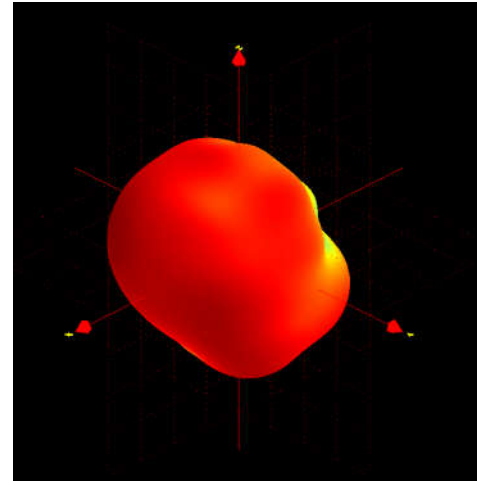


870MHZ

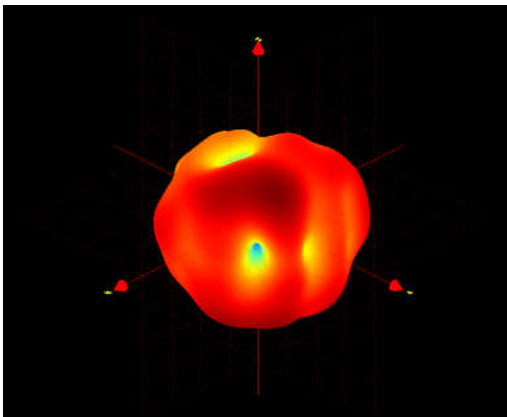
960MHZ



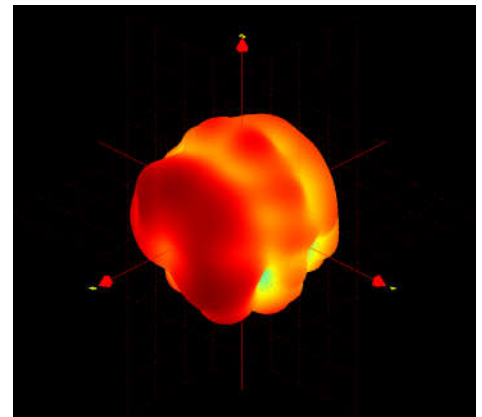
1710 MHZ



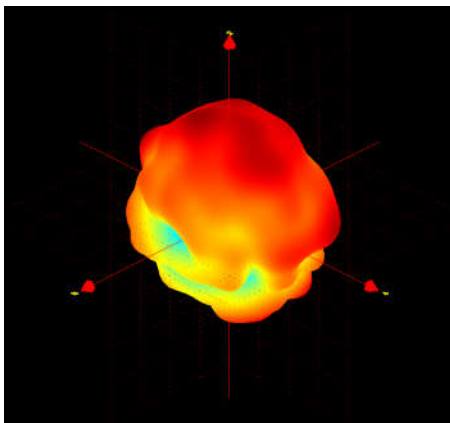
1990MHZ



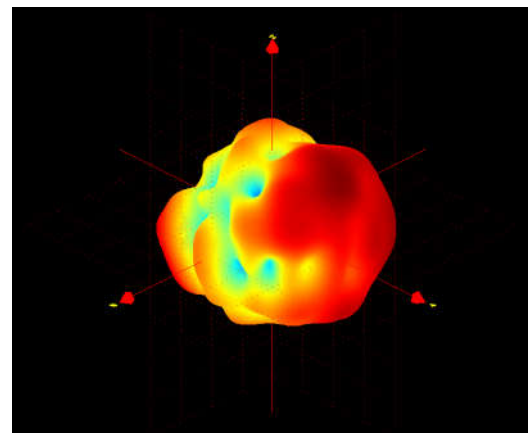
2170 MHZ



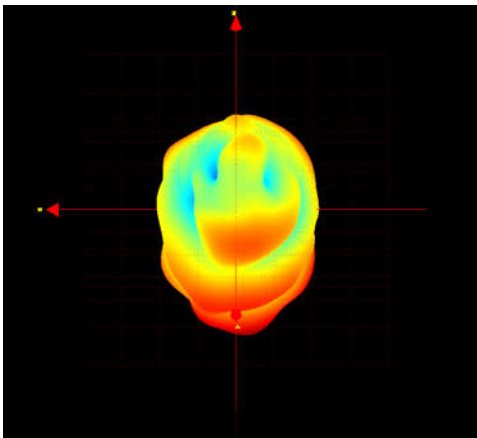
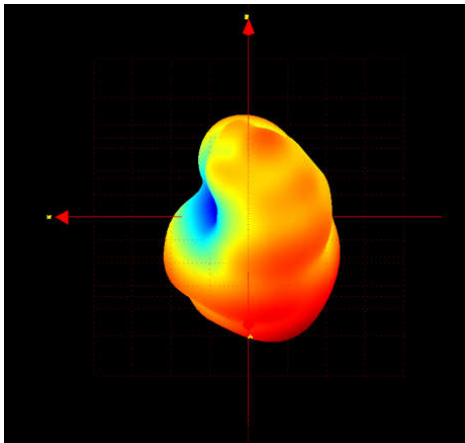
2300MHZ



2500MHZ

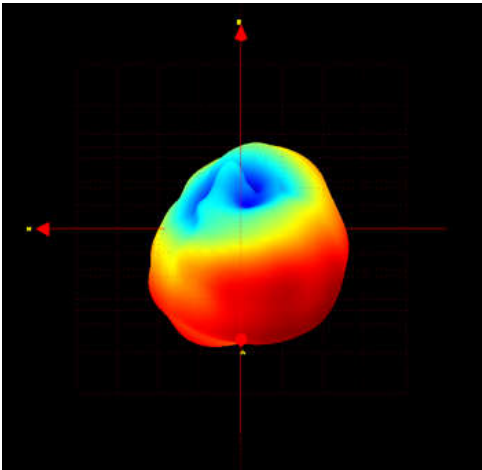


2700MH

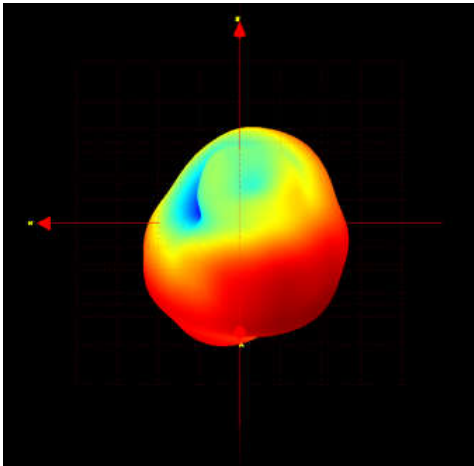


DIV ANT 3D

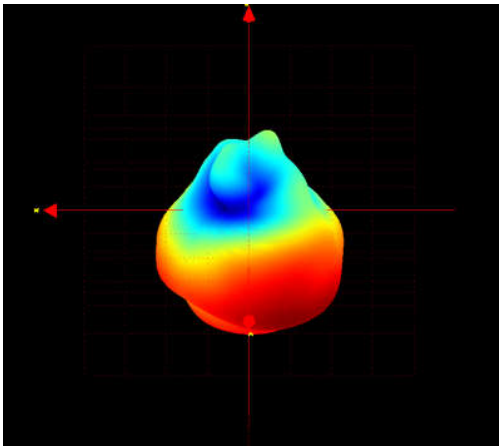
700MHZ



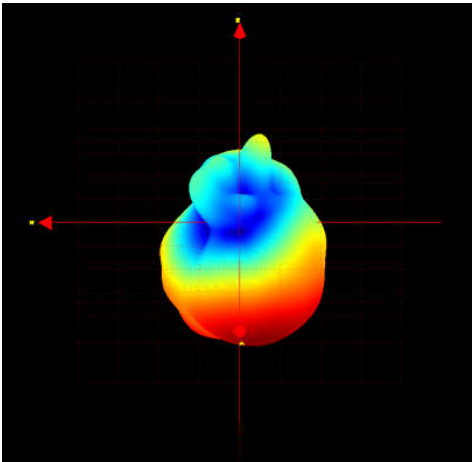
790MHZ



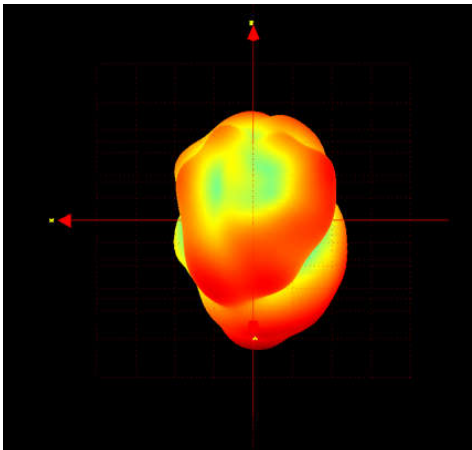
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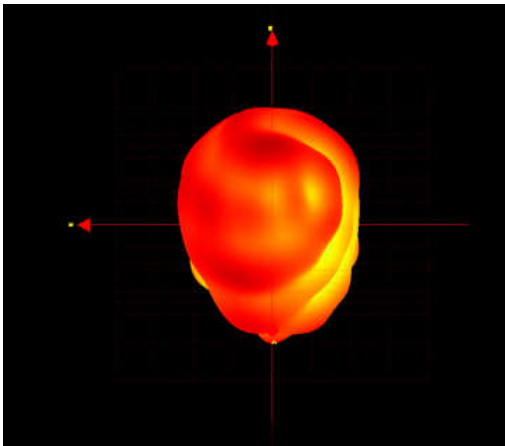
960MHZ



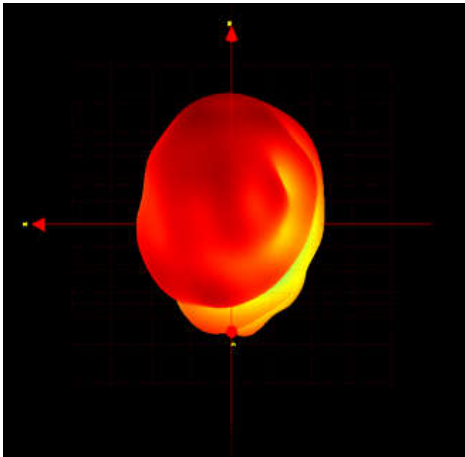
1710MHZ



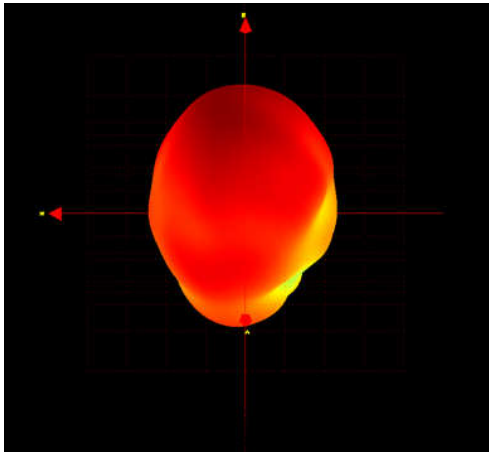
1990MHZ



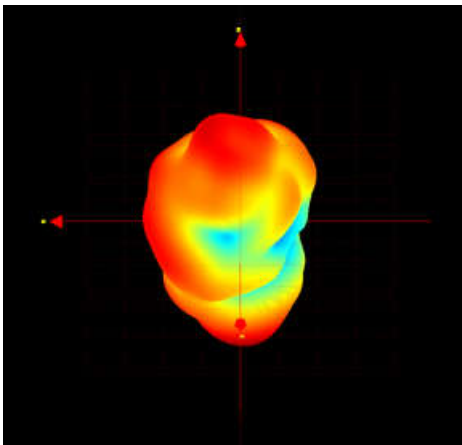
2170MHZ



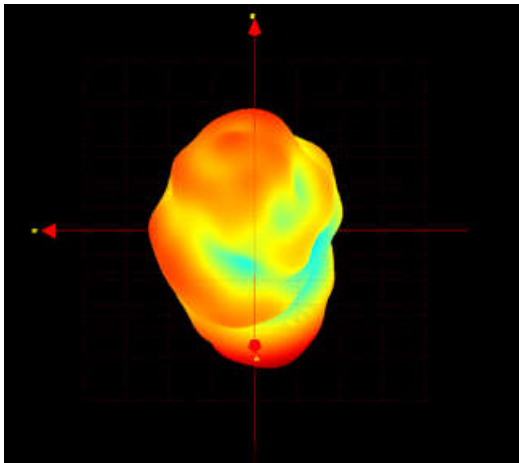
2300MHZ



2500 MHz

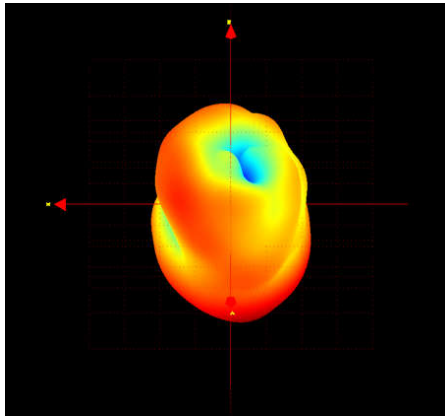


2700 MHz

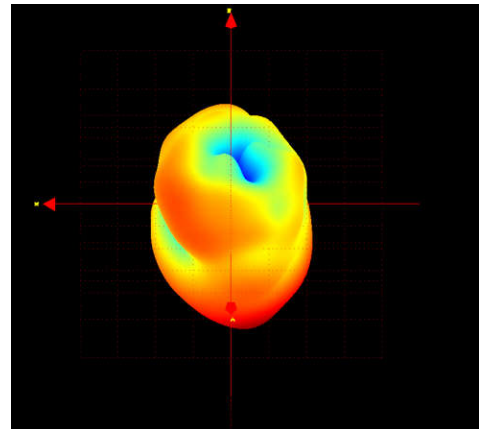


1) GPS/wifi/BT ANT 3D

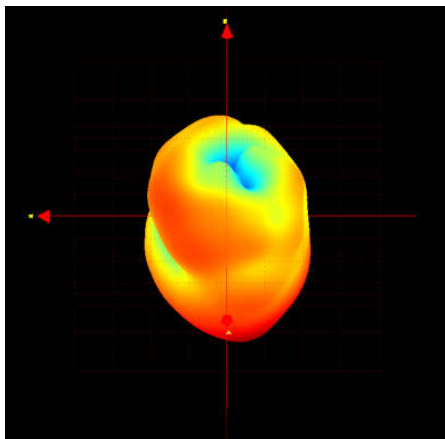
1550MHZ



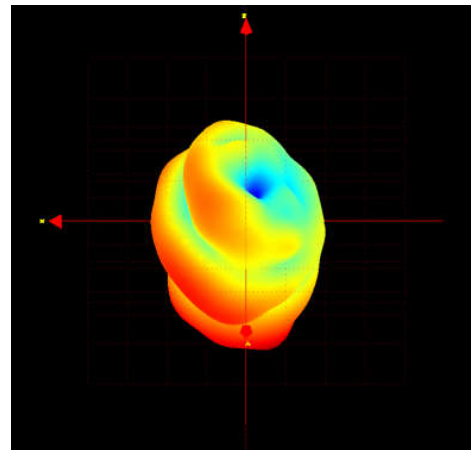
1575MHZ



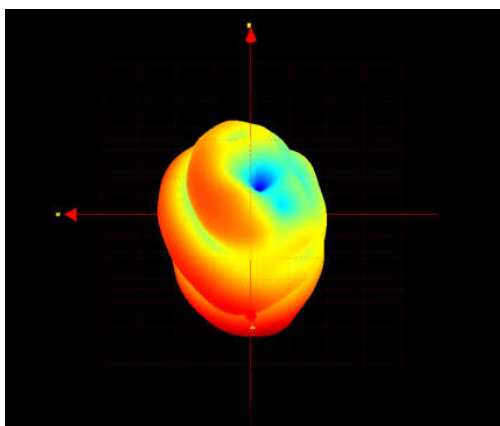
1600MHZ



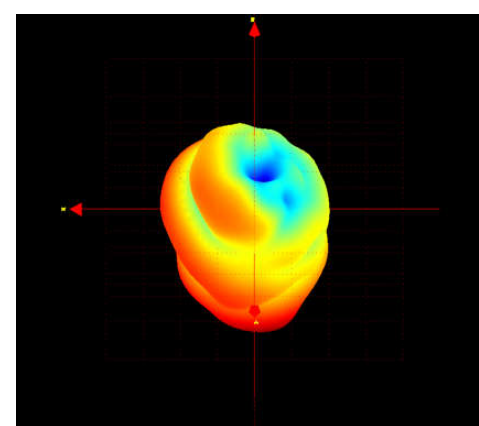
2400MHZ



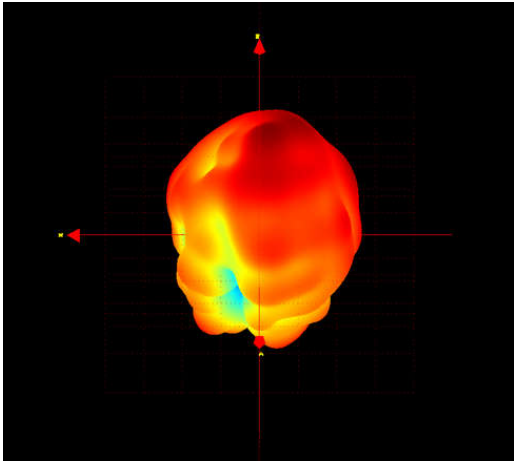
2450MHZ



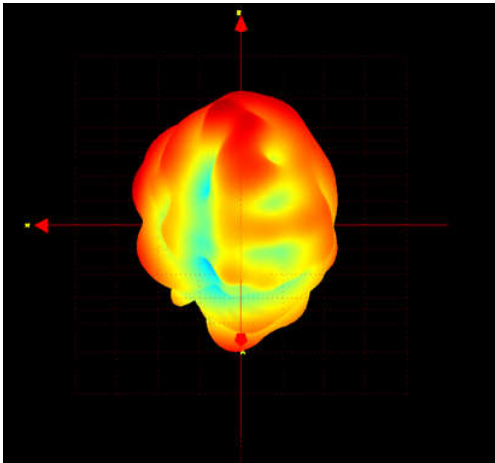
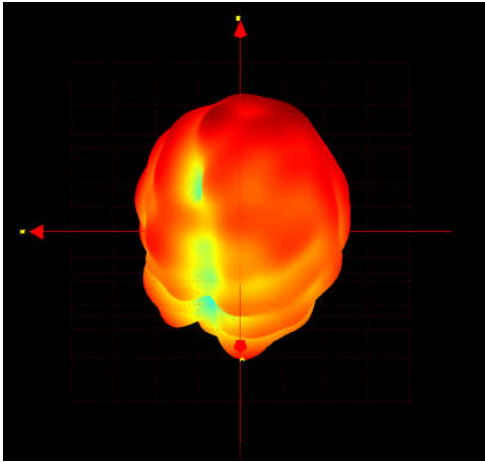
2500MHZ



5150MHZ



5550MHZ



5850MHZ