

P11 Antenna Product Specification

Entry Name	AX6298
Frequency Channel	Main GSM B2/3/5/8 WB1/2/5/8 LTEB1/2/3/4/5/8/12/B13/18/19/20/25/26/28 Main High B7/B38/B40/B41 DIV:760~960MHz, 1805~2700MHz GPS :1575MHz 2400-2500mHz 5G:5150-5850MHz
Supplier Name	INNOWAVE

1. Type of Antenna:

Main : PIFA

High: PIFA

GPS/ WIFI: PIFA

5G WI-FI:PIFA

DIV: PIFA

Model No: RX_AX6298_MAIN_L_DVT2_ROW

RX_AX6298_DIV_ DVT2_ROW

RX_AX6298_ROW_DVT2_MAIN_H

RX_AX6298_GPS-DVT2

RX_AX6298_5G_DVT2

Antenna attachment type: Fixed/Internal mounted

2. Efficiency and Gain

Ant1- Efficiency and Gain

BAND	Peak Gain(dBi)	Average Gain(dB)
WB1/LTE B1	-0.9	-5.0
GSM 1900/WB2/LTE B2/B25	-0.4	-4.5
GSM850/WB5/LTE B5/B26	-2.3	-5.3
LTE B12/B13/B28	-4.1	-6.9
GSM 900/WB8/LTE B8	-2.1	-5.7
GSM 1800/LTE B3/4/66	-1.3	-5.7
B18	-2.2	-5.5
B20	-2.7	-5.6

Ant2- Efficiency and Gain

BAND	Peak Gain(dBi)	Average Gain(dB)
LTE B7/38/41	-0.4	-4.0
LTE B40	-0.6	-5.7

Ant3 (DIV) Efficiency and Gain

BAND	Peak Gain(dBi)	Average Gain(dB)
WB1/LTE B1	-1.6	-5.0
GSM 1900/WB2/LTE B2/B25	-1.6	-4.8
GSM850/WB5/LTE B5/B2/B20	-1.7	-4.5
LTE B7/38/B41	-0.3	-5.1
LTE B40	-2.4	-5.8
LTE B12/B13/28	-3.2	-6.2
GSM 900/WB8/LTE B8	-1.4	-4.8
GSM 1800/LTE B3/4	-1.6	-5.0

Ant4 - Efficiency and Gain

WIFI 2.4G:

Fre (MHZ)	Peak Gain(dBi)	Average Gain(dB)
2400	-1.5	-5.4
2410	-1.4	-5.7
2420	-1.4	-5.6
2430	-1.2	-5.4
2440	-1.5	-5.2
2450	-1.6	-5.1
2460	-1.8	-5.2
2470	-1.8	-5.3
2480	-1.6	-5.4

Internal Antenna Product Specification

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Rev:1.0

2490	-1.5	-5.5
2500	-1.4	-5.5

WIFI 5.8G:

Fre (MHZ)	Peak Gain(dBi)	Average Gain(dB)
5150	-1.94	-5.8
5200	-2.29	-5.3
5250	-2.20	-5.3
5300	-1.88	-4.5
5350	-2.60	-5.1
5400	-2.12	-4.5
5450	-2.42	-4.6
5500	-1.92	-4.2
5550	-2.05	-4.2
5600	-2.16	-4.1
5650	-2.30	-4.2
5700	-2.29	-5.0
5750	-2.30	-4.9
5800	-2.44	-5.3
5850	-2.16	-5.1

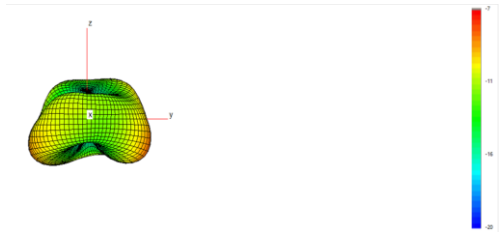
GPS

Fre (MHZ)	Peak Gain(dBi)	Average Gain(dB)
1565	-1.5	-6.1
1570	-1.43	-5.9
1575	-1.28	-5.8
1580	-1.14	-5.7
1585	-1.12	-5.6
1590	-1.35	-5.8
1595	-1.82	-6.2

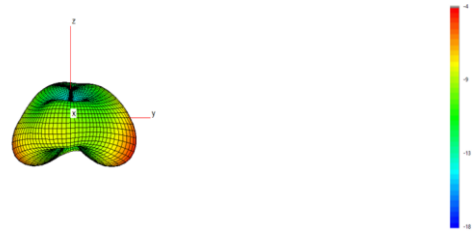
3. 3D Directional Pattern

MAIN ANT 3D

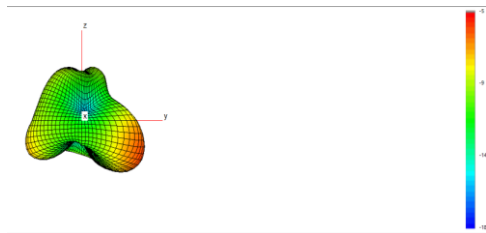
700 MHZ



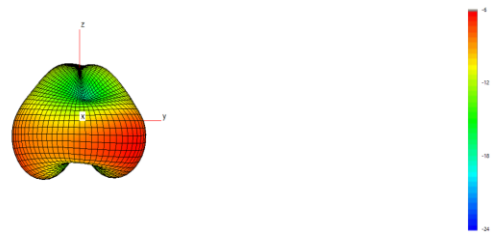
790MHZ



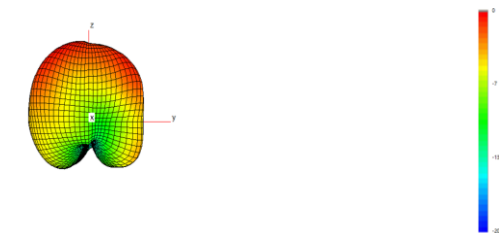
870MHZ



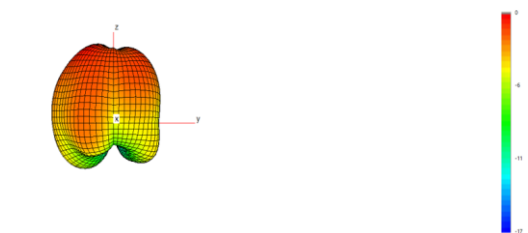
960MHZ



1710 MHZ



1990MHZ



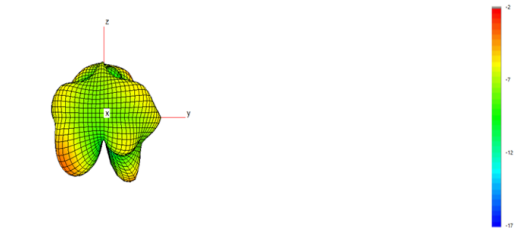
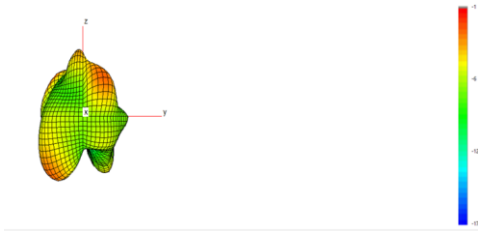
2170 MHZ



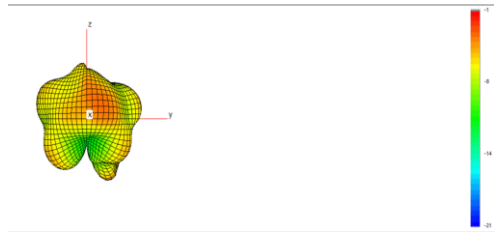
MAIN High ANT 3D

2300MHZ

2500MHZ

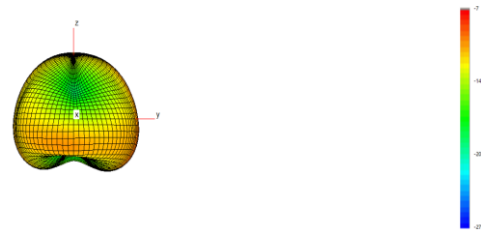


2700MHz



DIV ANT 3D

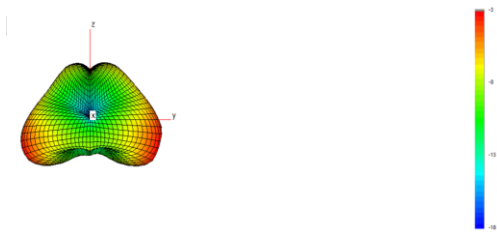
760MHz



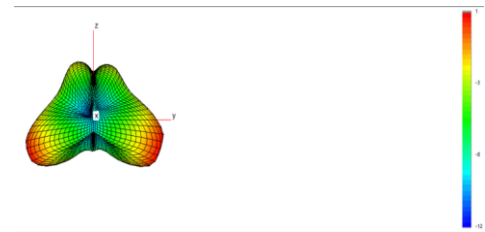
790MHz



870MHz

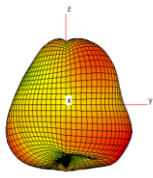


960MHz

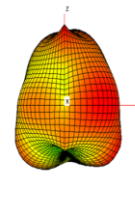


1810MHz

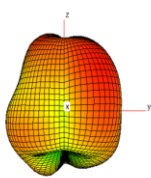
1990MHz



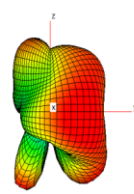
2170MHZ



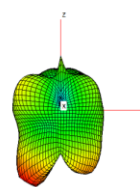
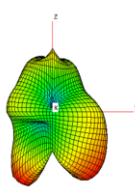
2300MHZ



2500 MHz

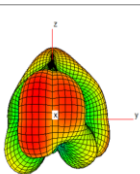


2700 MHz



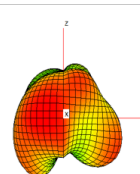
GPS ANT 3D

1575MHZ

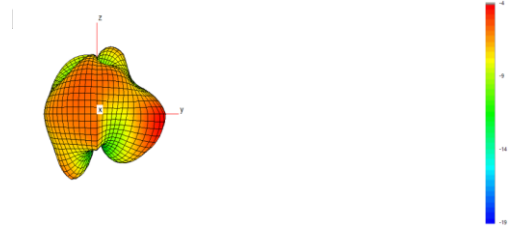
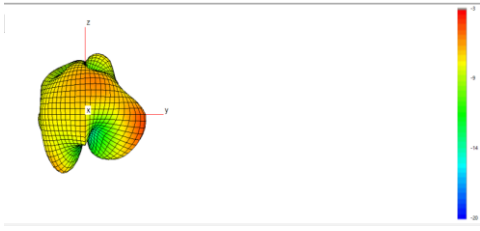


2450MHZ

2400MHZ



2500MHZ

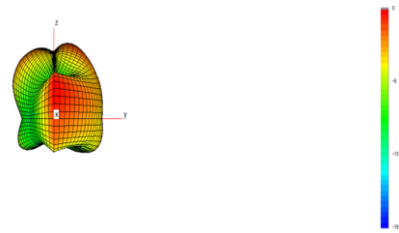


5G ANT 3D

5150MHZ



5550MHZ



5850MHZ

