



Kunshan Innowave Communication Technology Co., Ltd.

CompanyName: Power Idea Technology (Shenzhen) Co., Ltd.

ProductName: RG940/PTHA02G Antenna

Address: B1504, 1505, 1506, 1507, Building 9, Zone 2, Shenzhen Bay Science and Technology Ecological Park, No. 3609 Baishi Road, High tech Zone Community, Yuehai Street, Nanshan District, Shenzhen City.

1, AntennaProduct Specification

Model:	RG940/ PTHA02G Antenna
Antenna type:	PIFA Antenna
Frequency Channel	GPS/BT/WIFI(2.4G&5G)
Supplier:	Kunshan Innowave Communication Technology Co., Ltd.

2, Gain Value for Antenna

ANT8	GPS/GLONASS/Galileo/Beidou Bluetooth 2.4G 11B/11G/11N/11AX WIFI (2412MHz~2472MHz) 5G 11A/11N/11AC/11AX WIFI (5150MHz~5850MHz)
ANT9	2.4G 11B/11G/11N/11AX WIFI (2412MHz~2472MHz) 5G 11A/11N/11AC/11AX WIFI (5150MHz~5850MHz

ANT8

	Gain (dBi)
GPS L1	1
2.4G WIFI/BT	0.75
5G WIFI	-0.7

ANT9

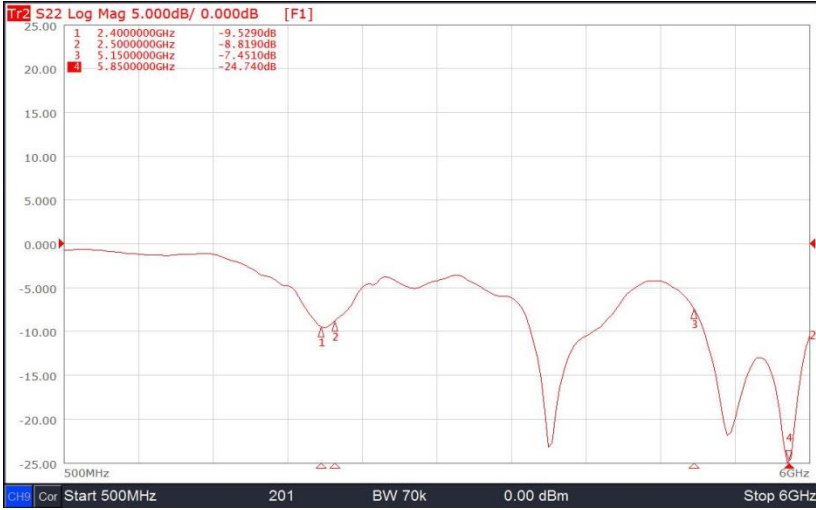
	Gain (dBi)
2.4GWIFI	1.4
5GWIFI	0.7

3,Return Loss

ANT8

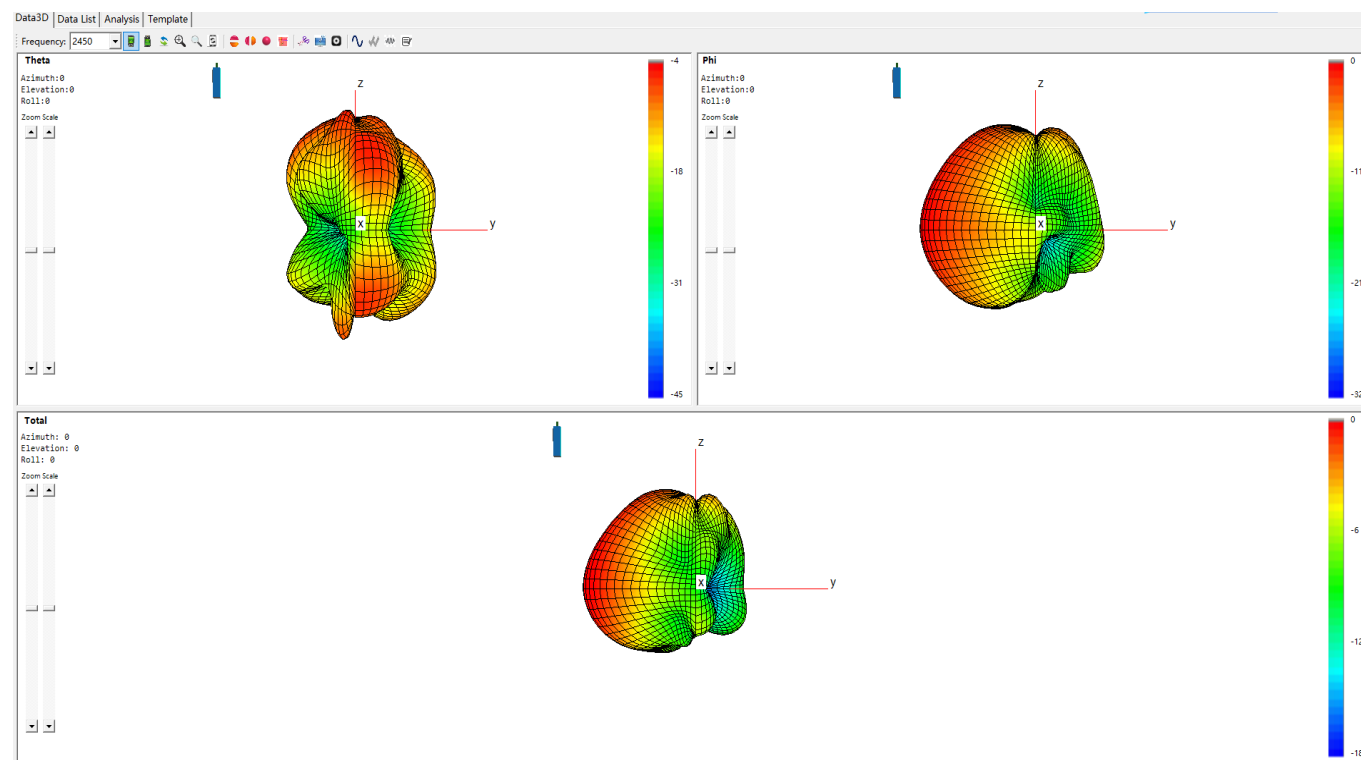
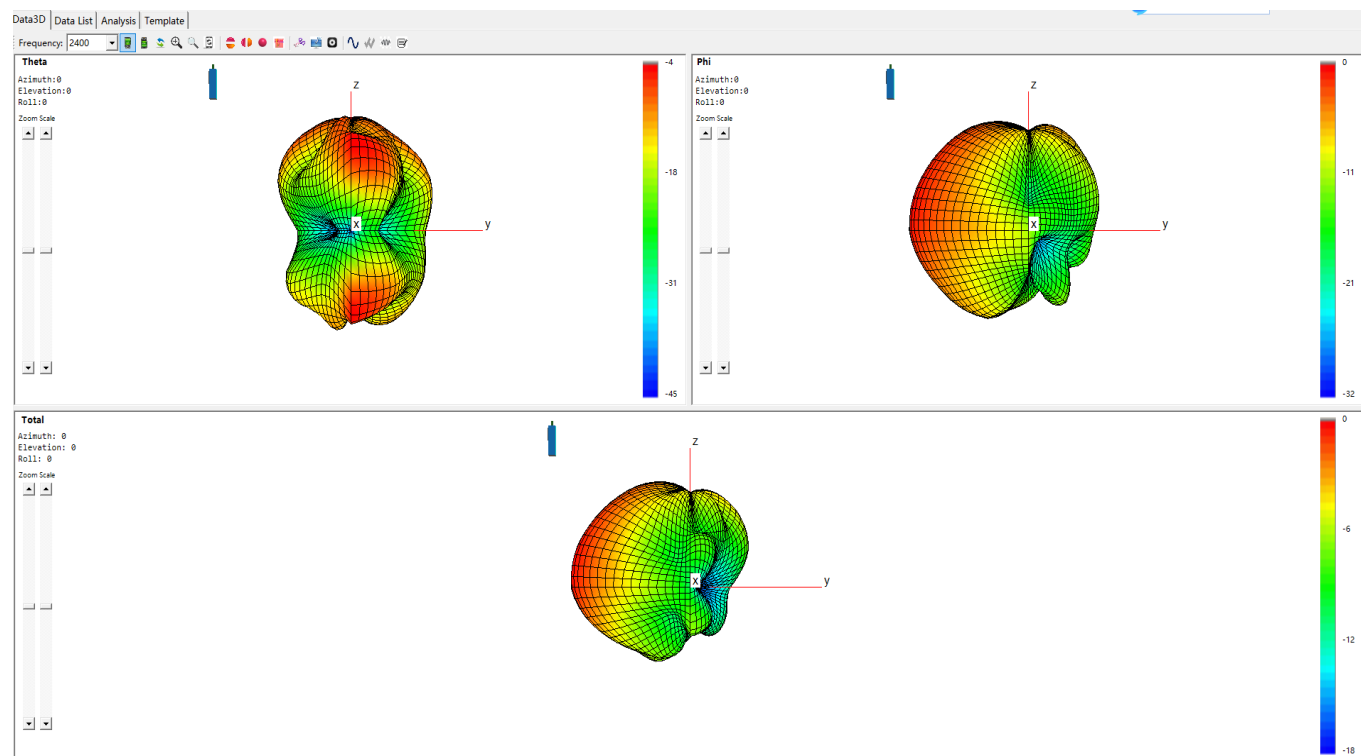


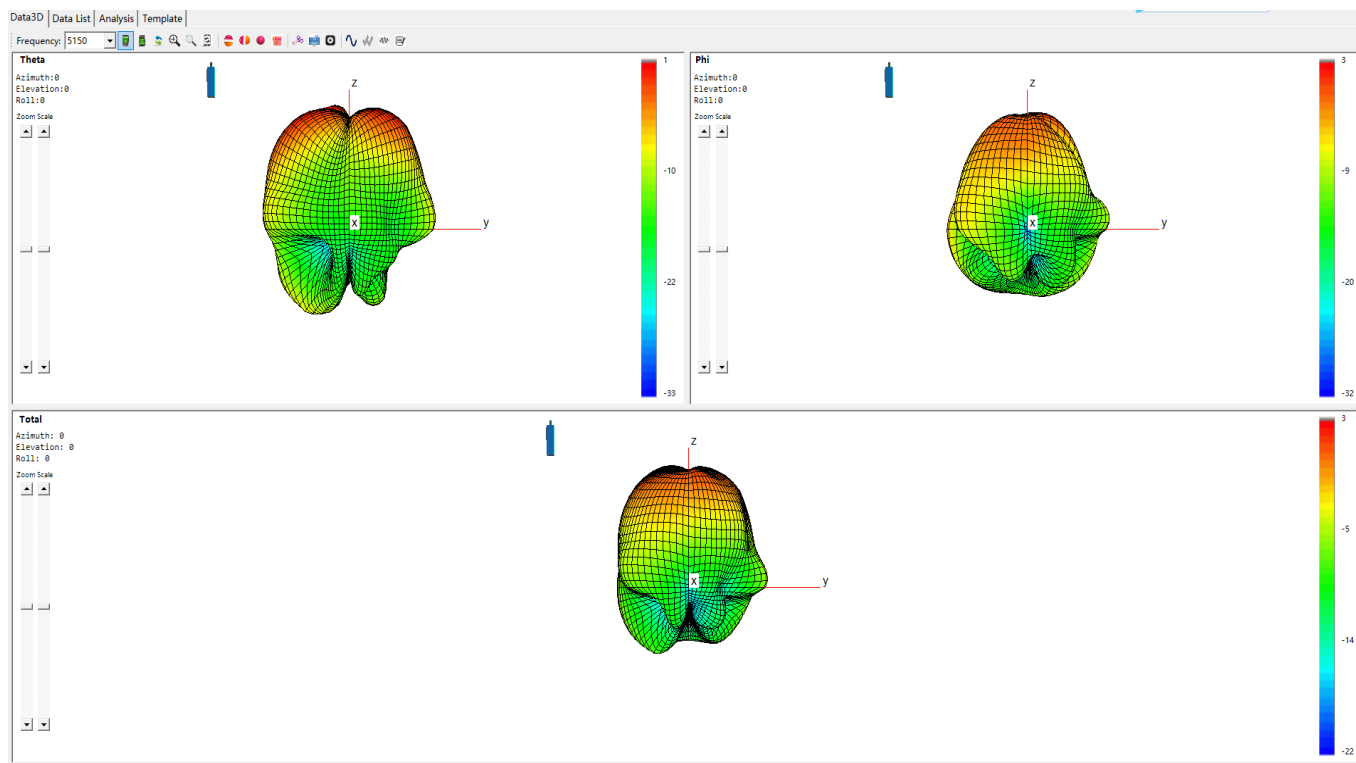
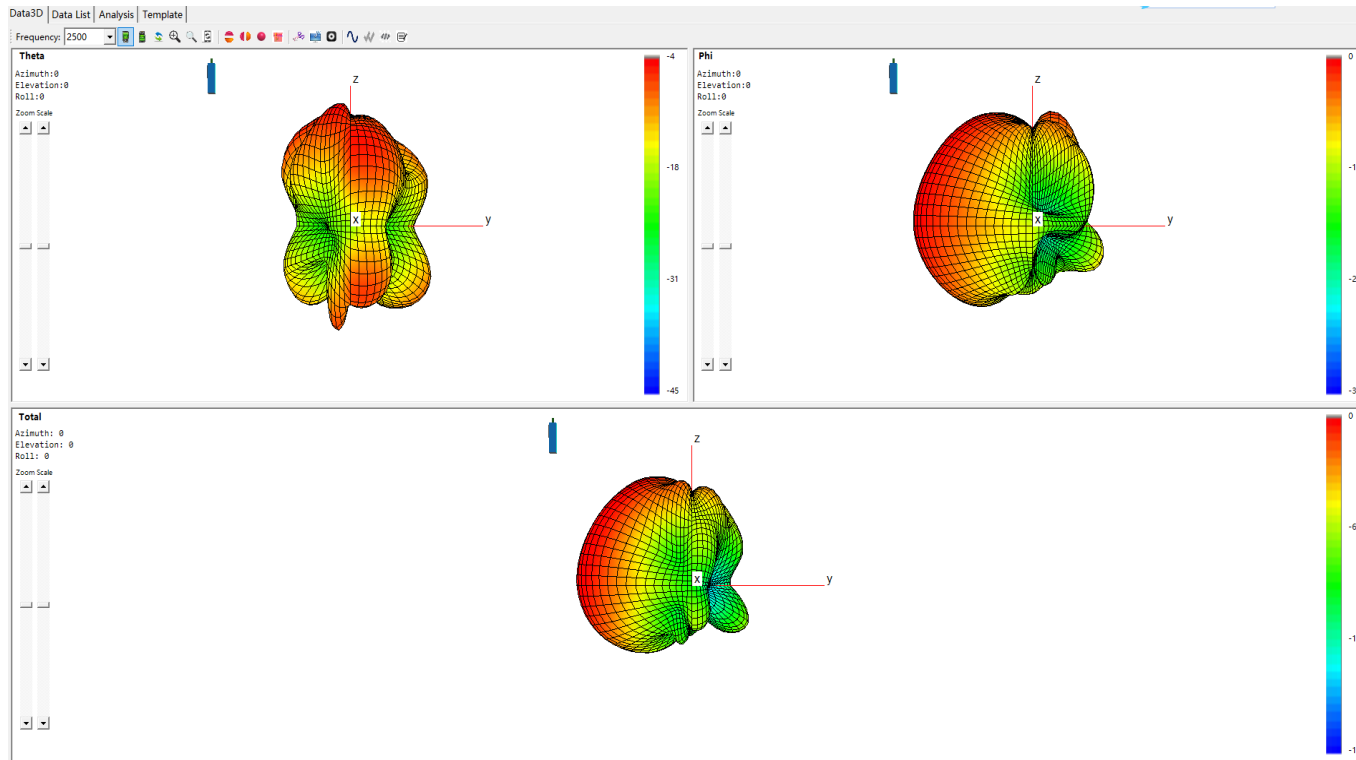
ANT9

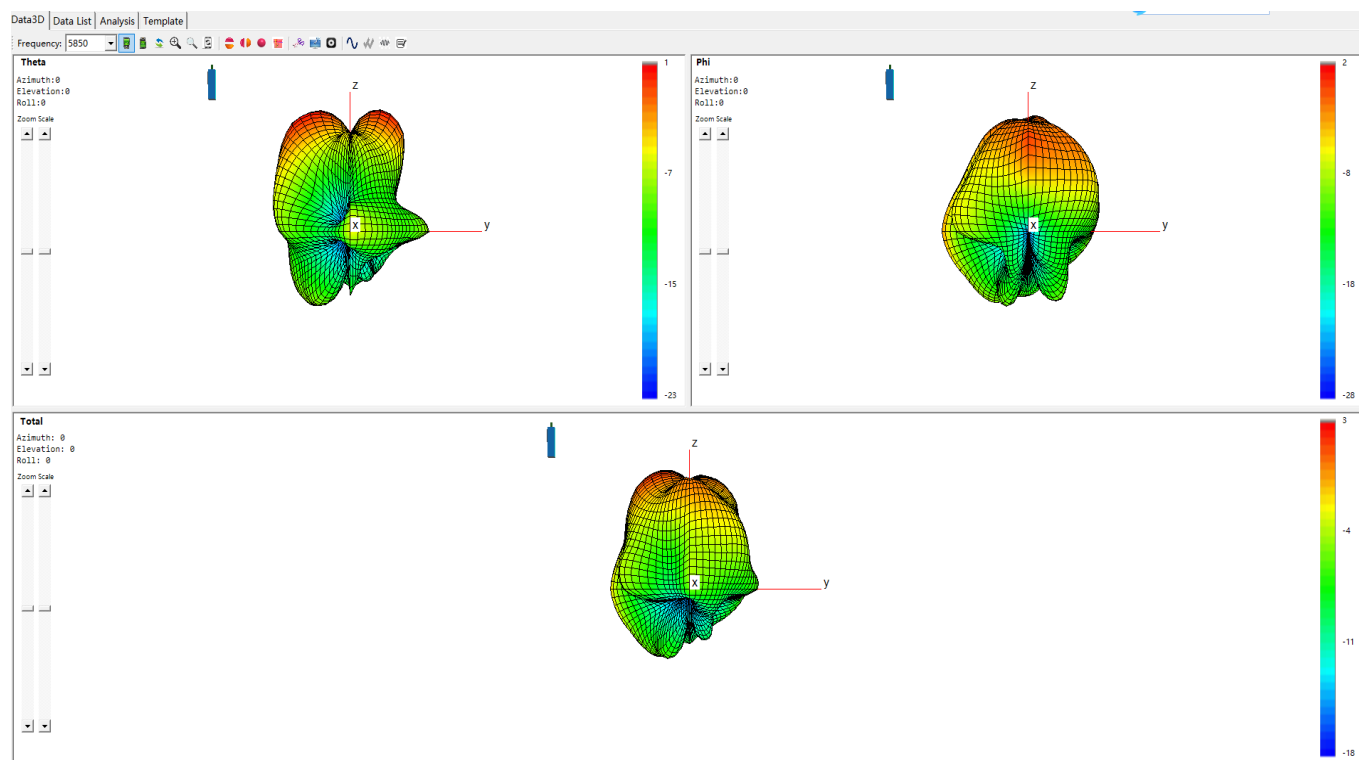
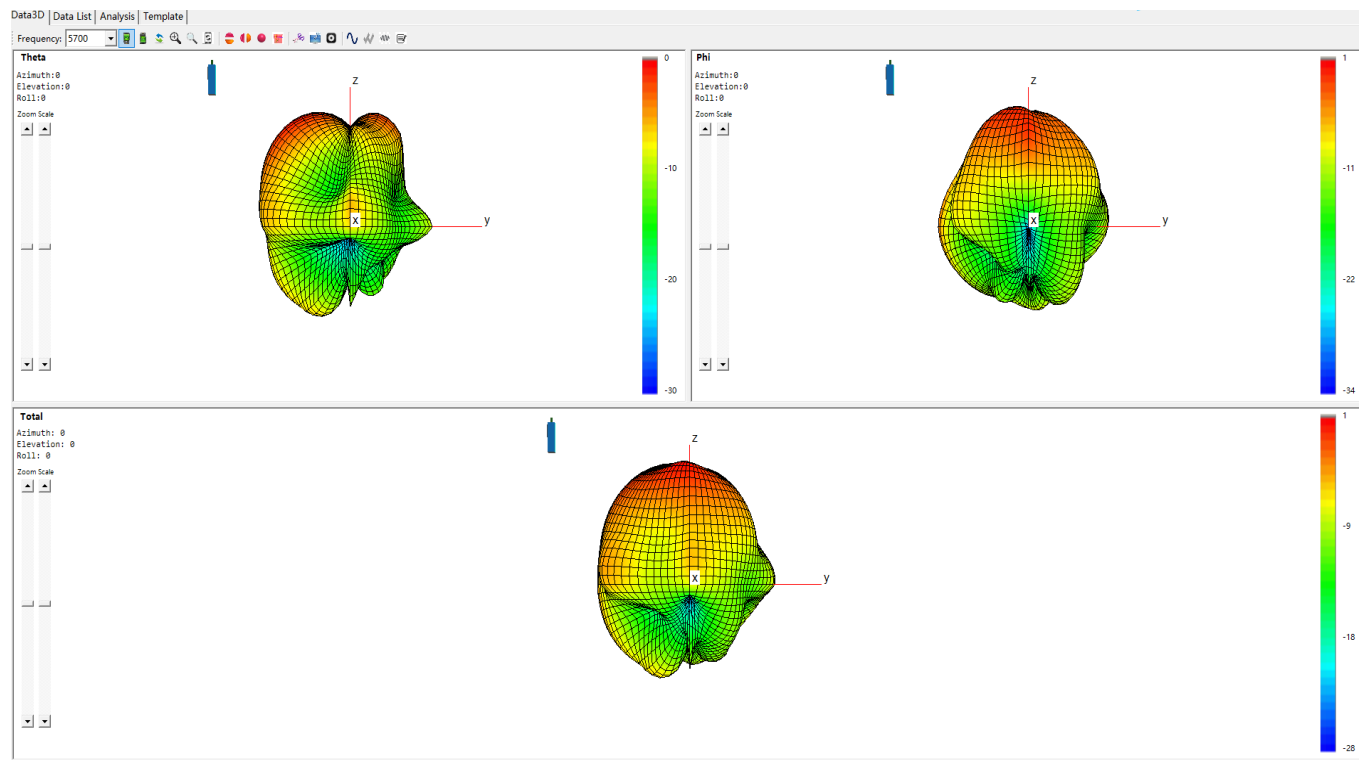


4 , Antenna 3D Polarization Pattern

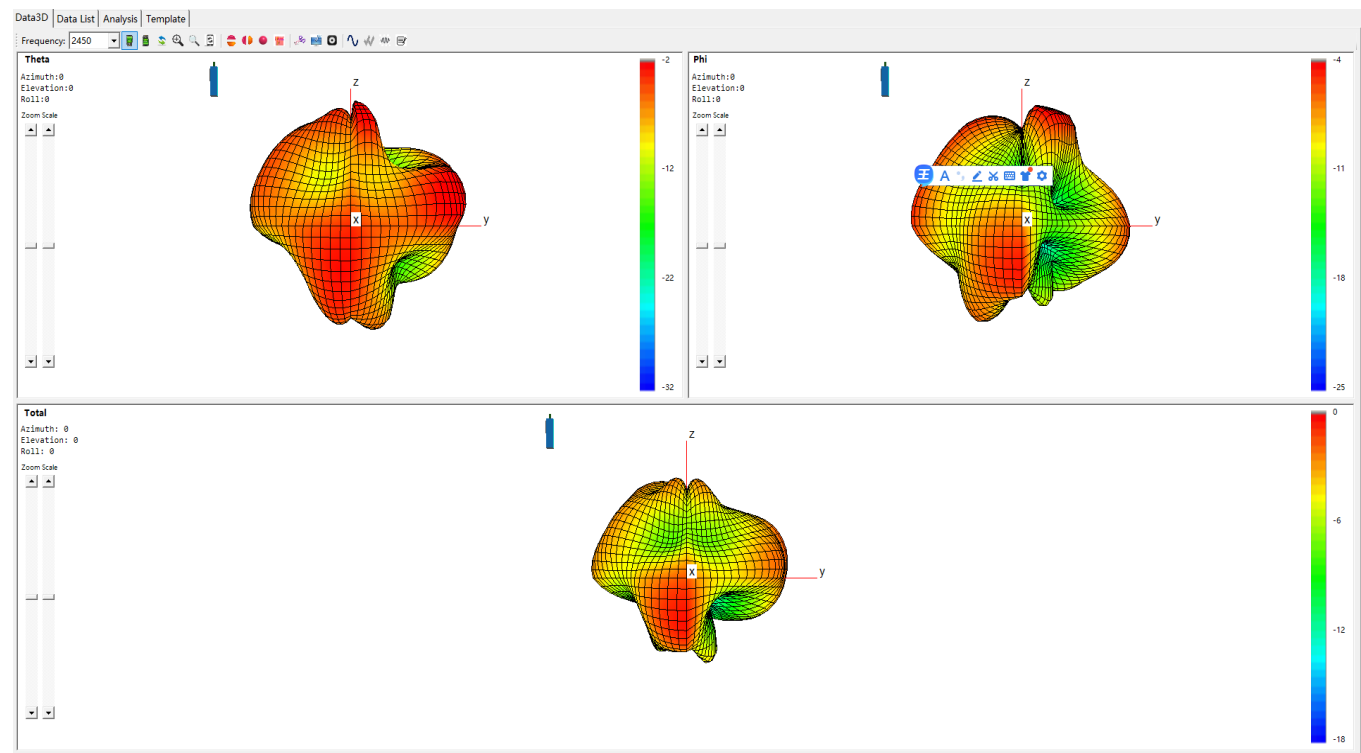
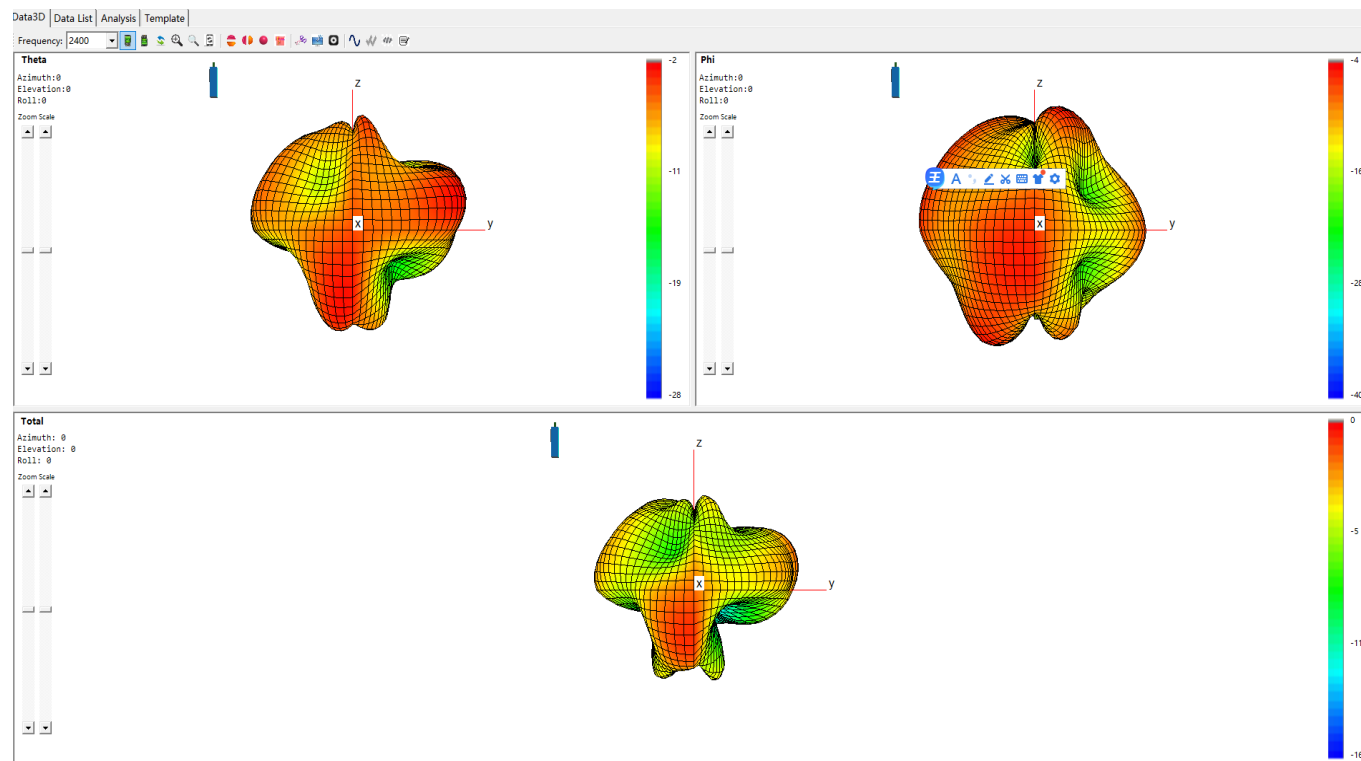
ANT8:

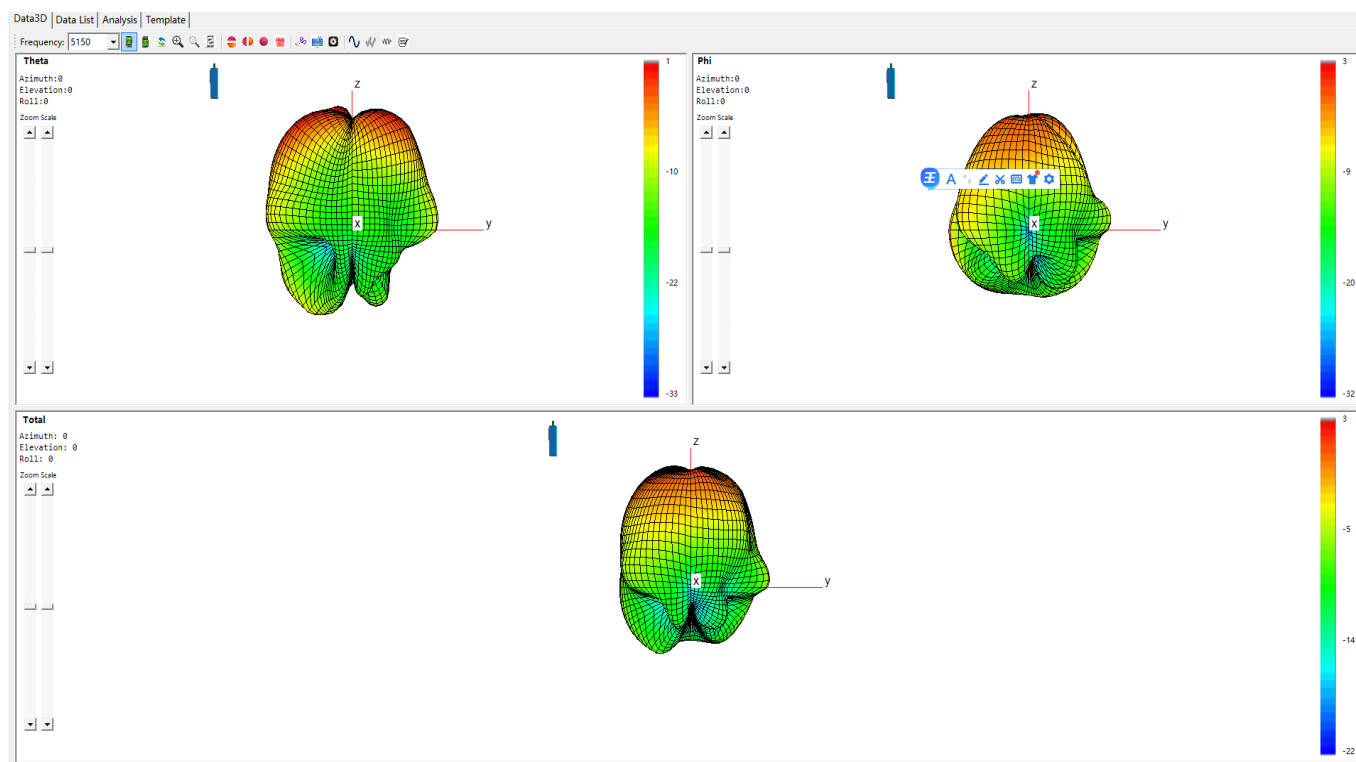
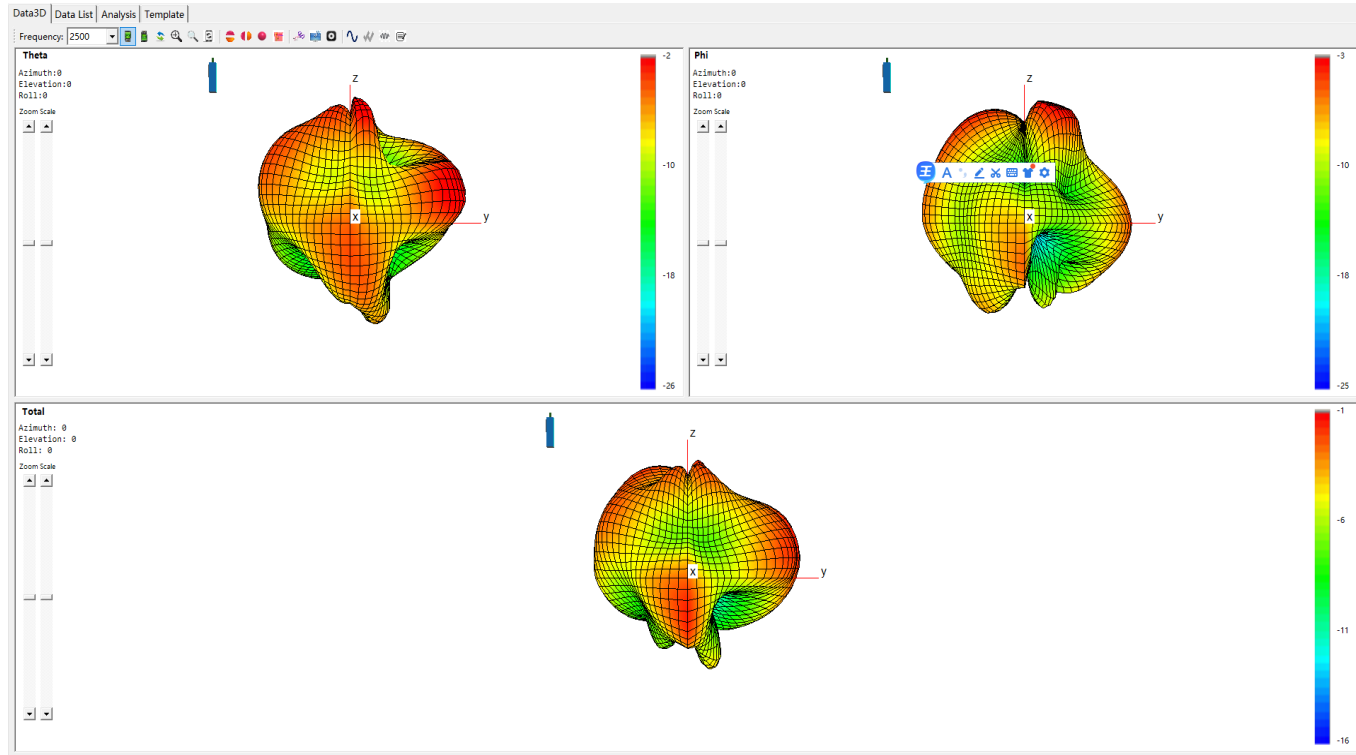


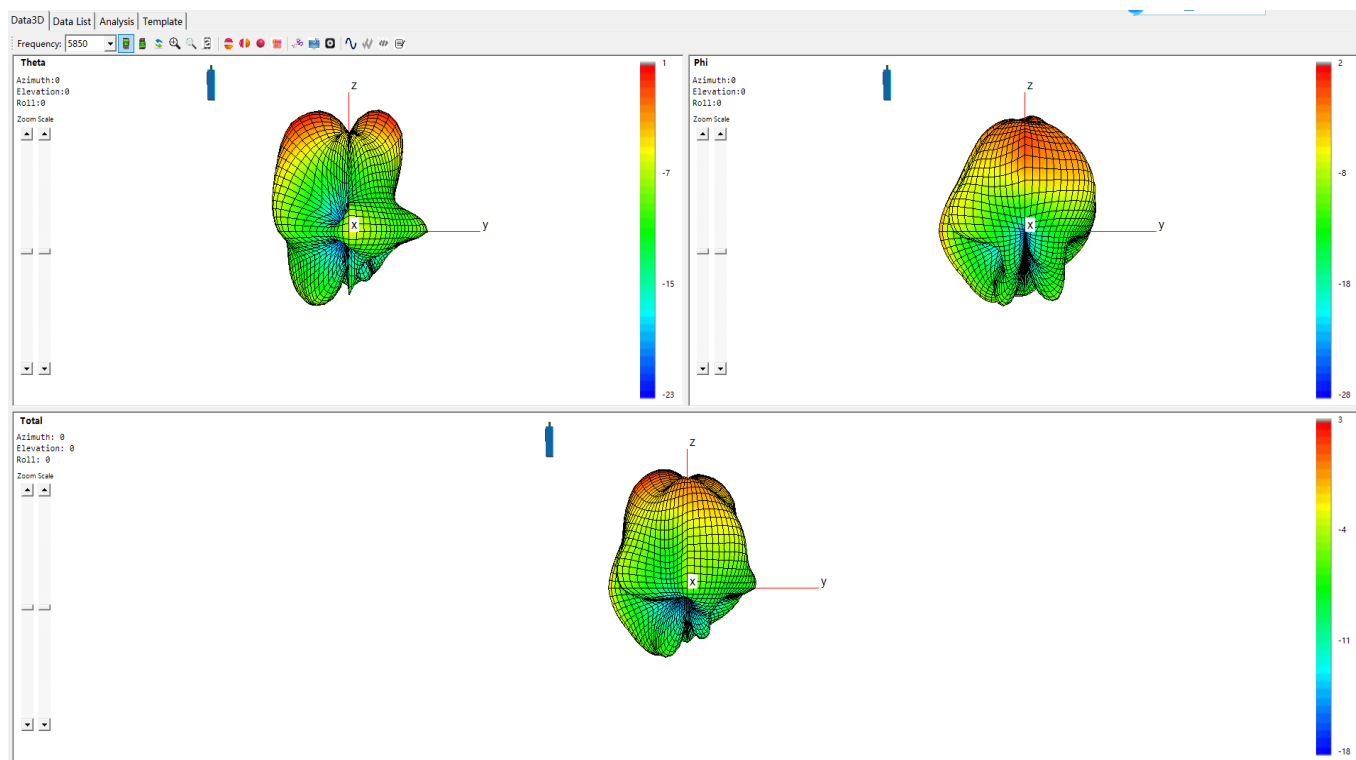
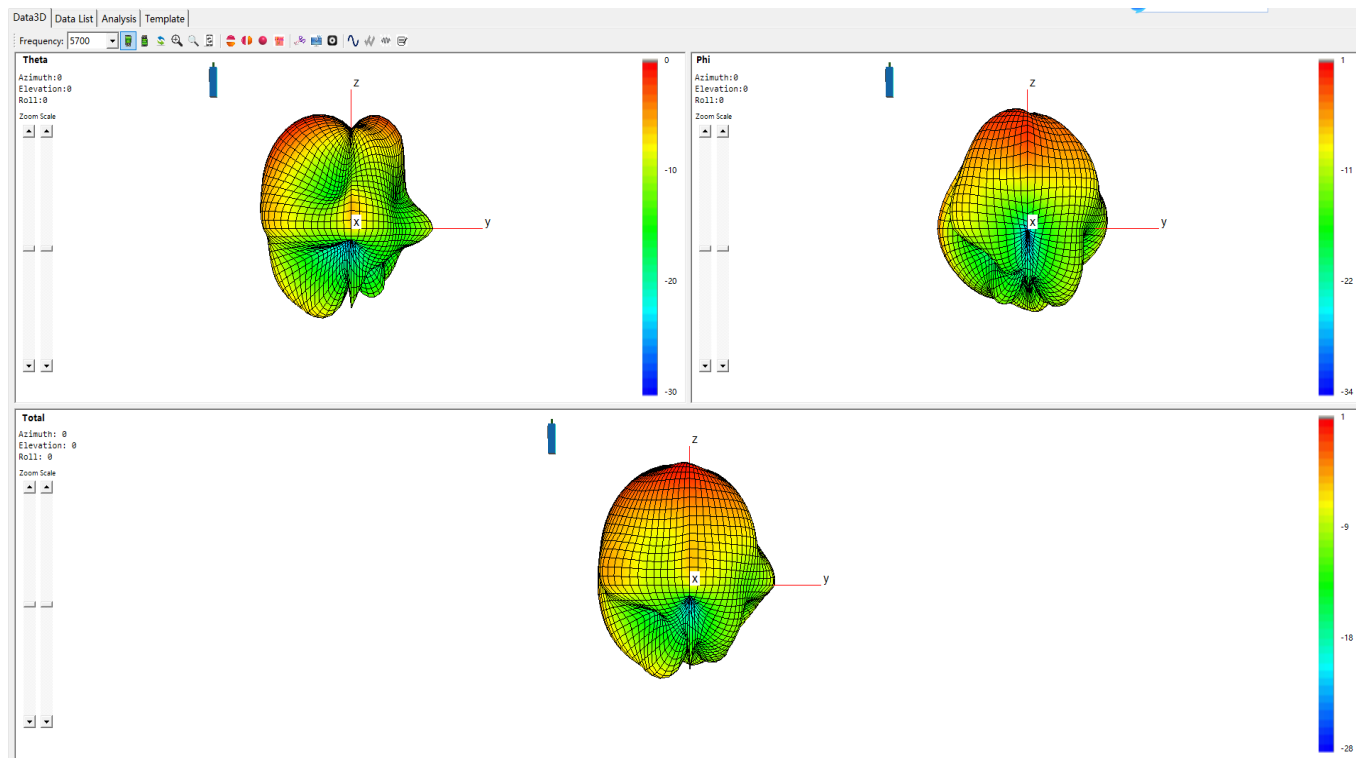




ANT9:







5,OTA DATA

Tablet A.2-1 TRP for 2.4GHz 802.11b/g/n

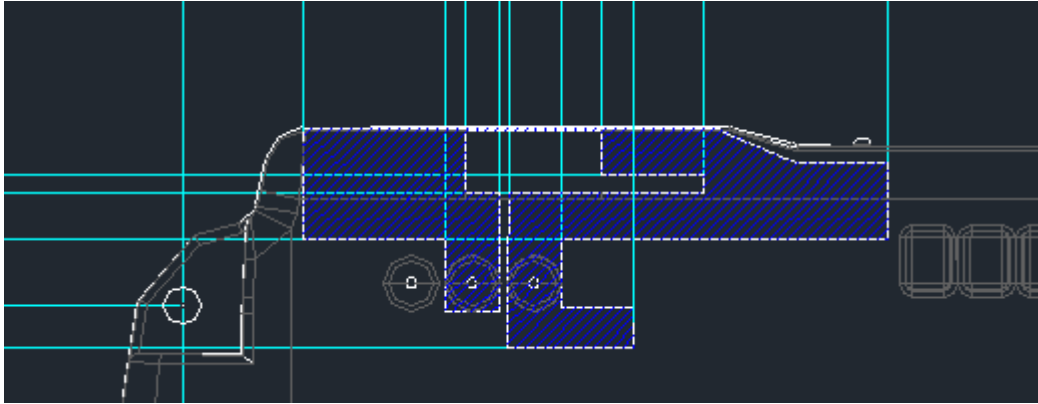
Test ID	Mode	Channel	Data Rate(Mbps)	Free Space
				TRP Results(dBm) Ant1
TRP1	IEEE 802.b	6	11	15.1
TRP2	IEEE 802.11g	6	6	15.4
TRP3	IEEE 802.12n	6	6.5	13.3

Tablet A.2-2 TIS for 2.4GHz 802.11b/g/n

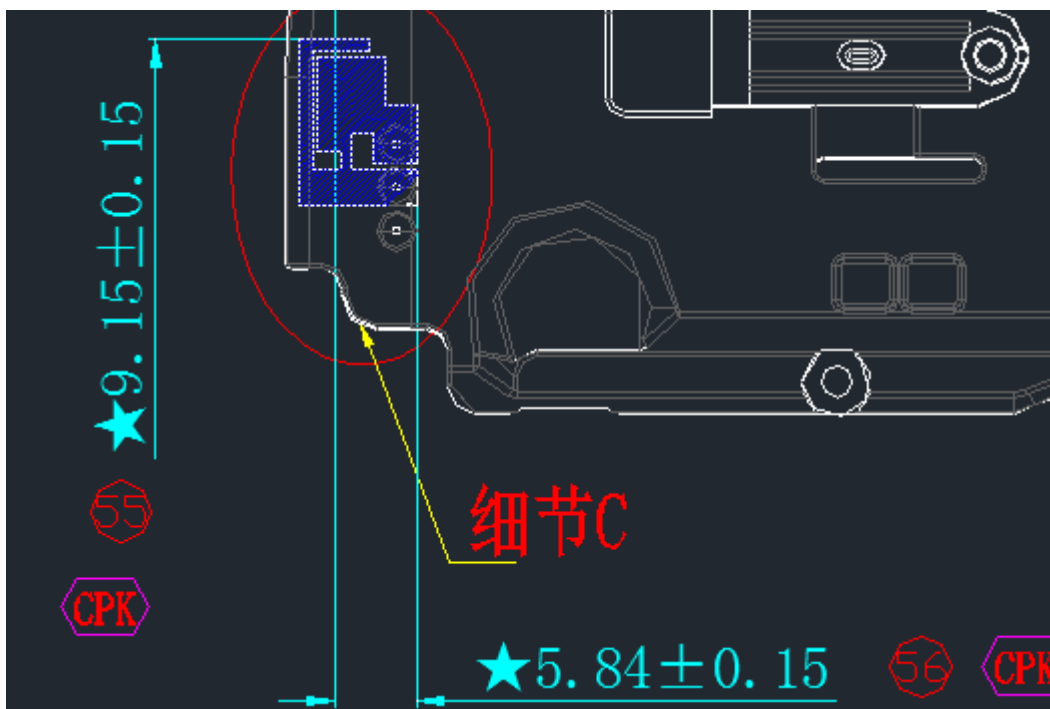
Test ID	Mode	Channel	Data Rate(Mbps)	Free Space
				TIS Results(dBm)
TIS1	IEEE 802.b	6	11	-86.5
TIS2	IEEE 802.11g	6	54	-71.7
TIS3	IEEE 802.12n	6	65	-68.1

6,2D Structure Diagram

ANT8:



ANT9:



7, Testing Equipment

