



Dongguan YiJia Electronics Communication Technology Co.,Ltd.

Antenna Test Report

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4. Antenna Size

Tester : Li Guang Lei

Approval : Yin Tao

Date : 2026 / 04/ 14



Project name	A380
Name of antenna	FPC
Antenna form	WIFI/BT Monopole
Radiate	Omni-directional
Polarization	Line polarization



1. Antenna Passive Test

Pleaser refer to the antenna setup photos.



2. Device Profile

Device

Please refer to the external photos.



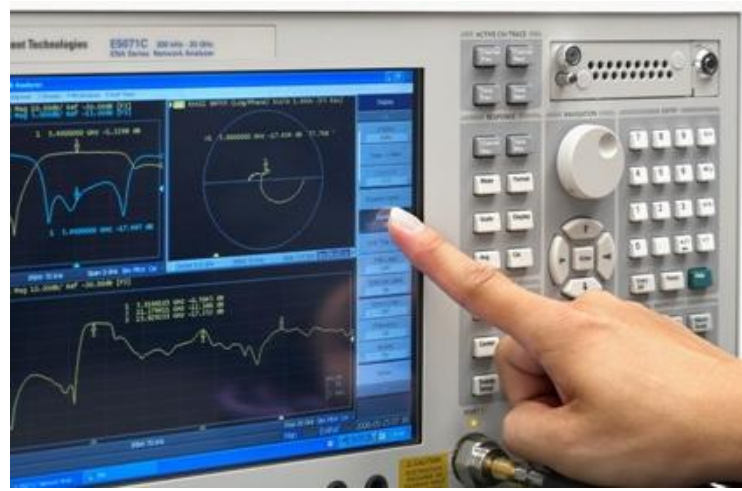
3. WIFI/BT Antenna Test

***WIFI/B
T
Antenna***

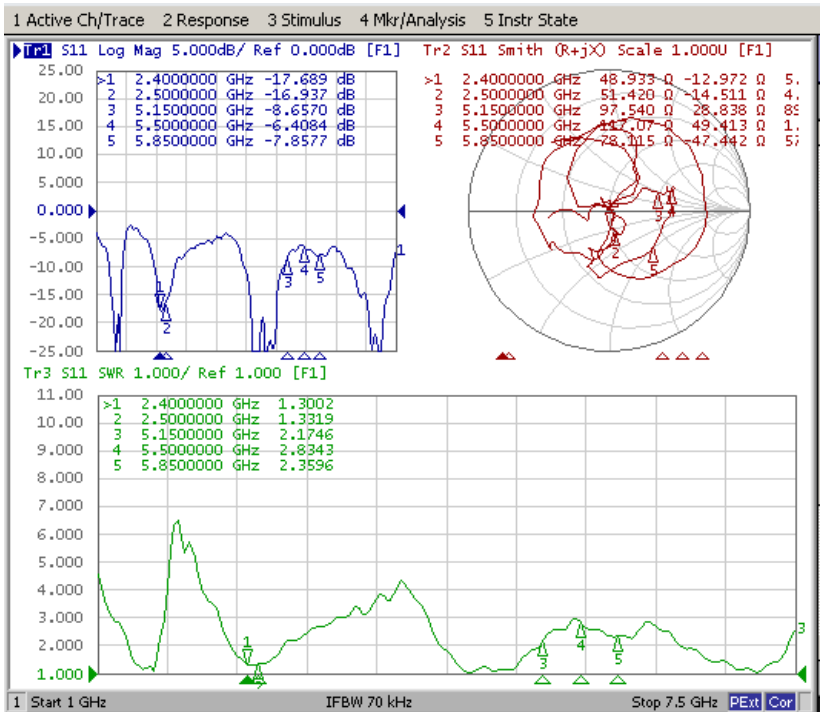




Agilent E5071B



S Parameter Test // WiFi/BT Antenna



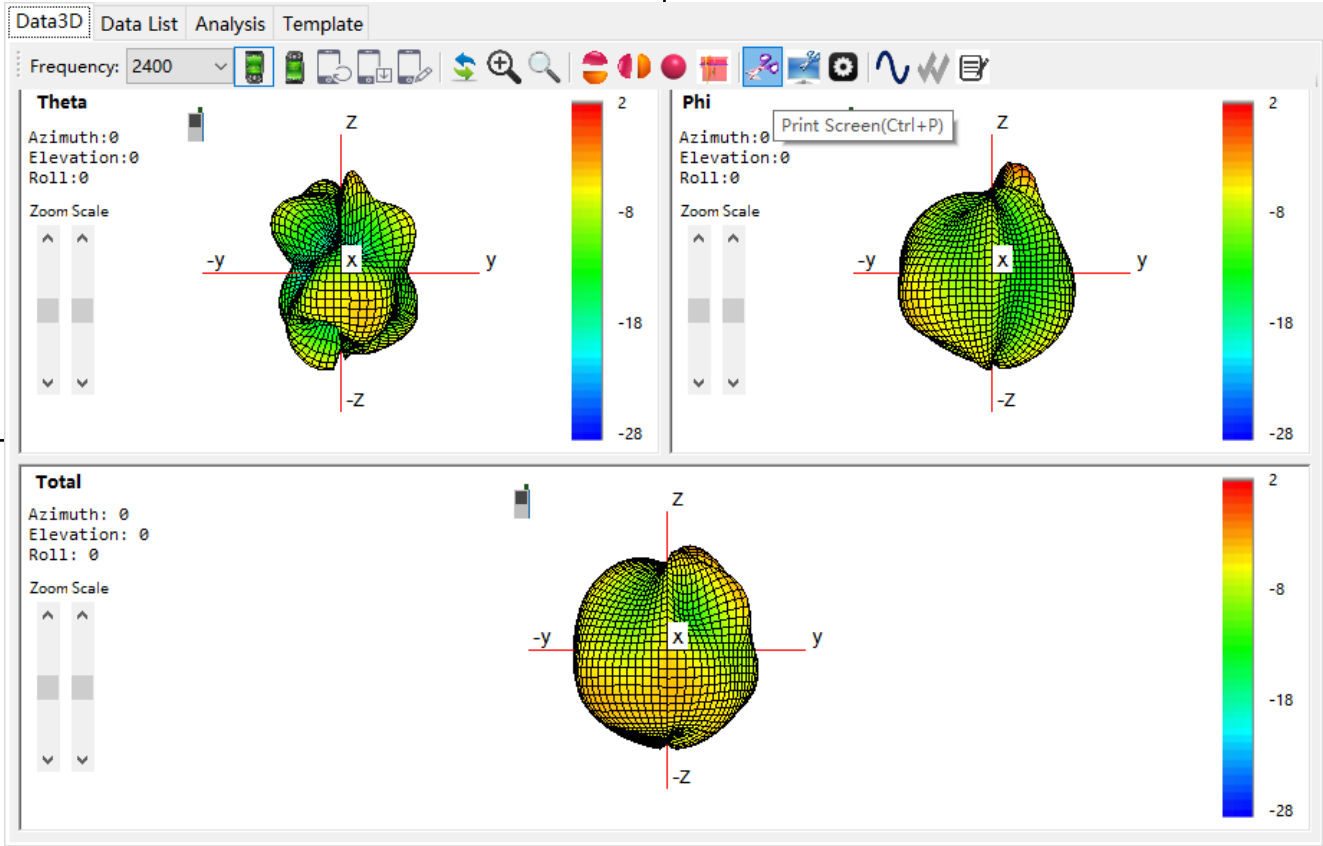


Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	36.9	-4.3	1.6
2410	37.7	-4.2	1.5
2420	38.0	-4.2	1.4
2430	38.8	-4.1	1.3
2440	39.2	-4.1	1.2
2450	39.3	-4.1	1.0
2460	39.9	-4.0	1.1
2470	41.0	-3.9	1.2
2480	41.7	-3.8	1.3
2490	42.1	-3.8	1.4
2500	42.7	-3.7	1.4

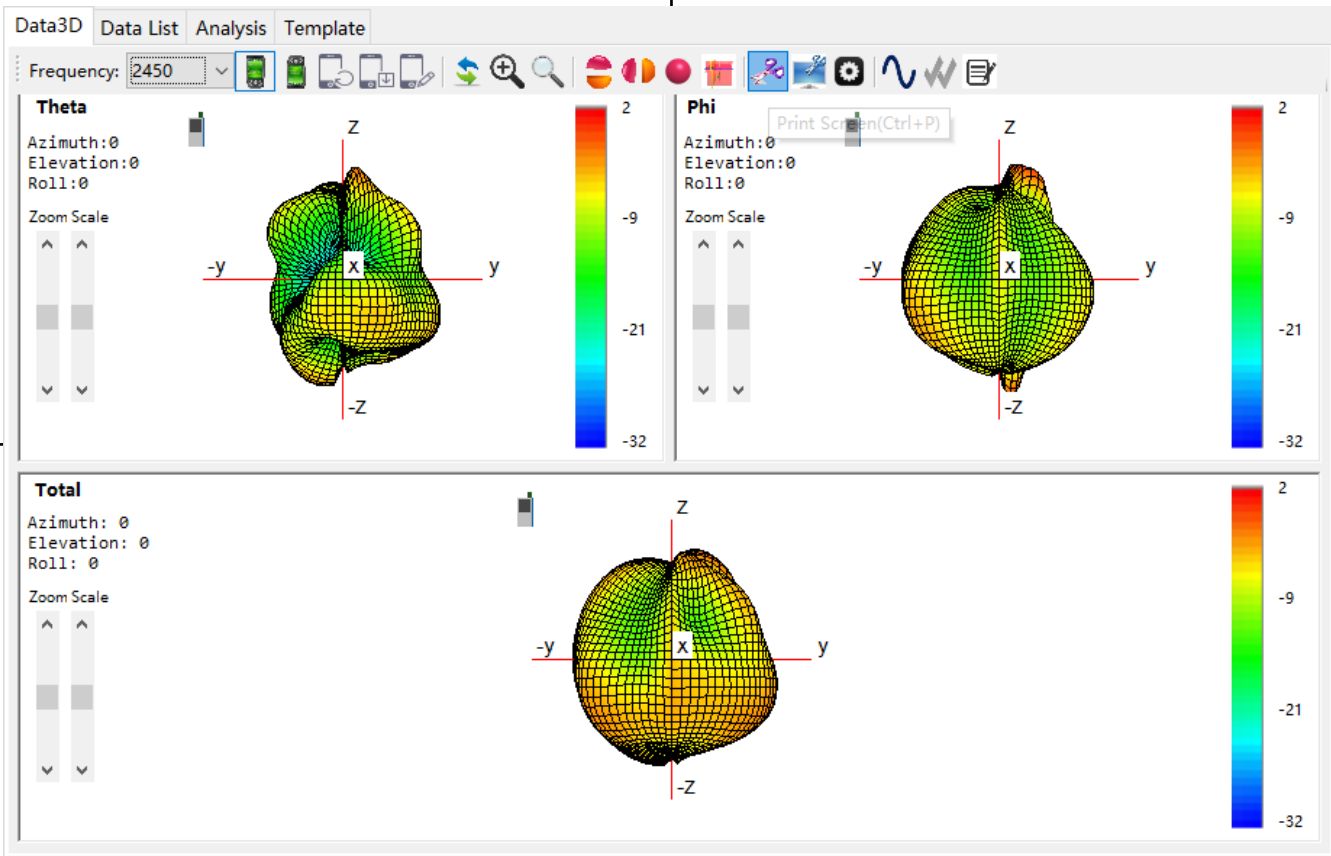


Radiation Pattern For WiFi Antenna (2400mhz)



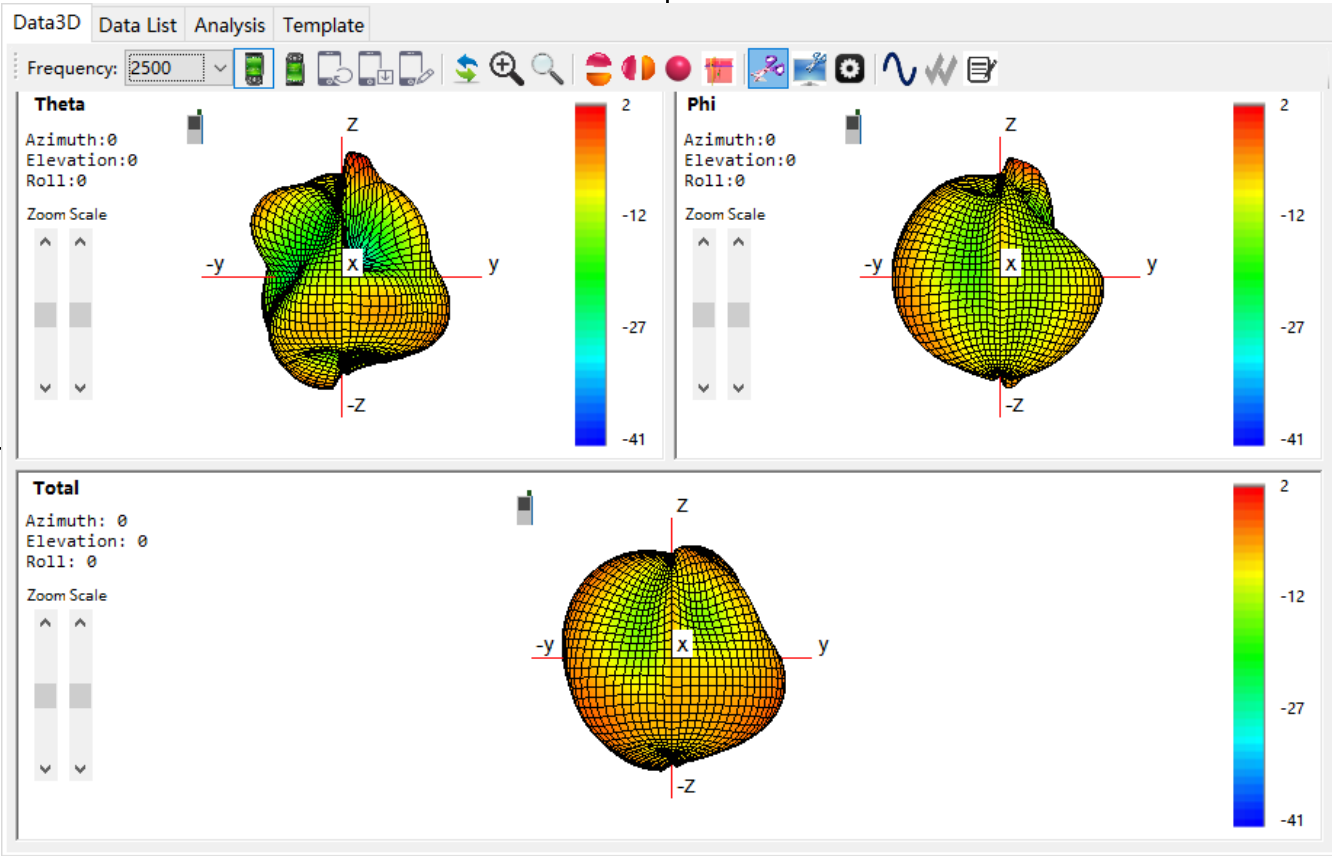


Radiation Pattern For WiFi Antenna (2450mhz)





Radiation Pattern For WiFi Antenna (2500mhz)



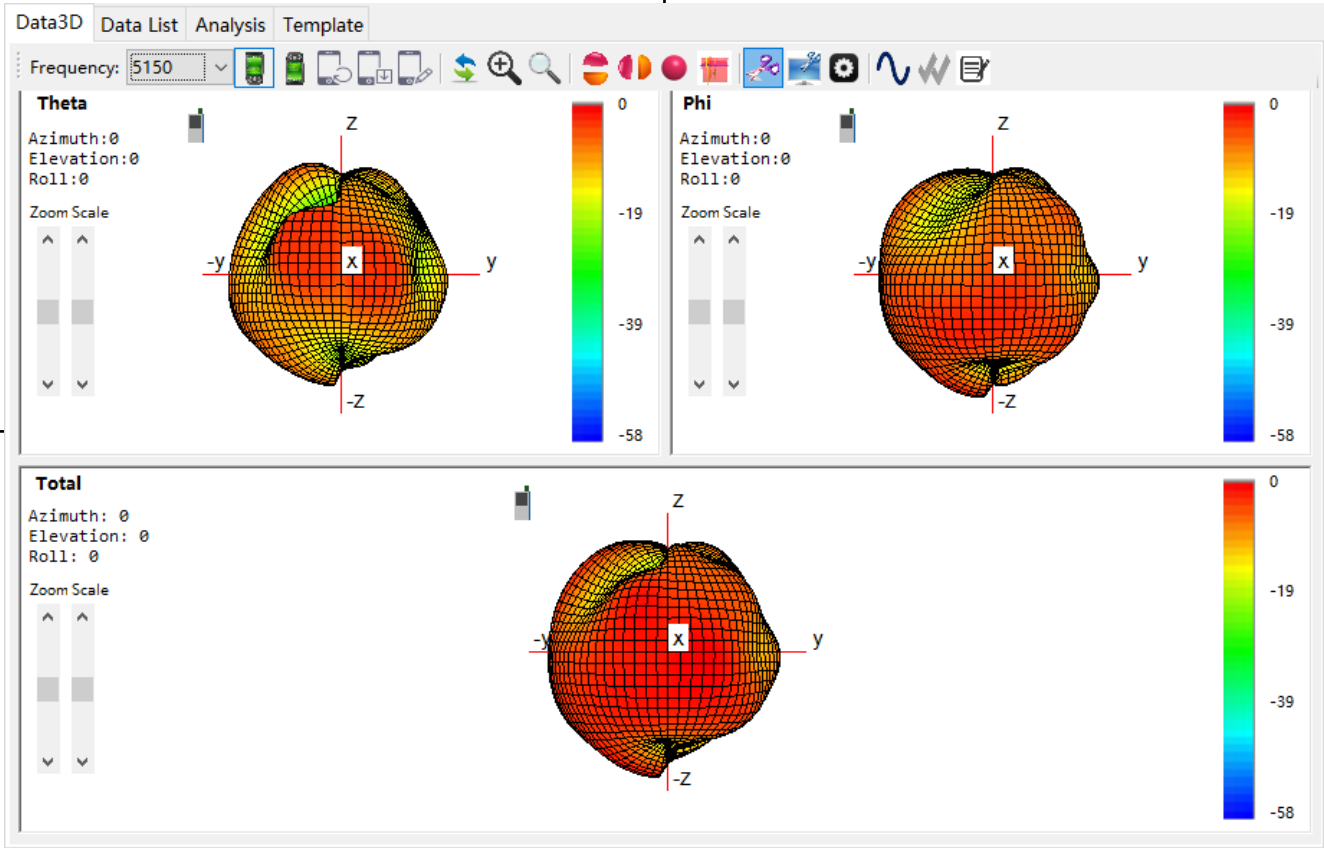


Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	34.8	-4.6	-0.6
5200	35.7	-4.5	-0.5
5250	33.8	-4.7	-0.3
5300	31.4	-5.0	-0.4
5350	31.6	-5.0	-0.3
5400	31.8	-5.0	-0.1
5450	31.9	-5.0	0.2
5500	28.4	-5.5	0.0
5550	28.9	-5.4	0.1
5600	30.8	-5.1	0.4
5650	31.1	-5.1	0.3
5700	30.4	-5.2	0.3
5750	29.4	-5.3	0.2
5800	32.3	-4.9	0.6
5850	31.3	-5.1	0.4

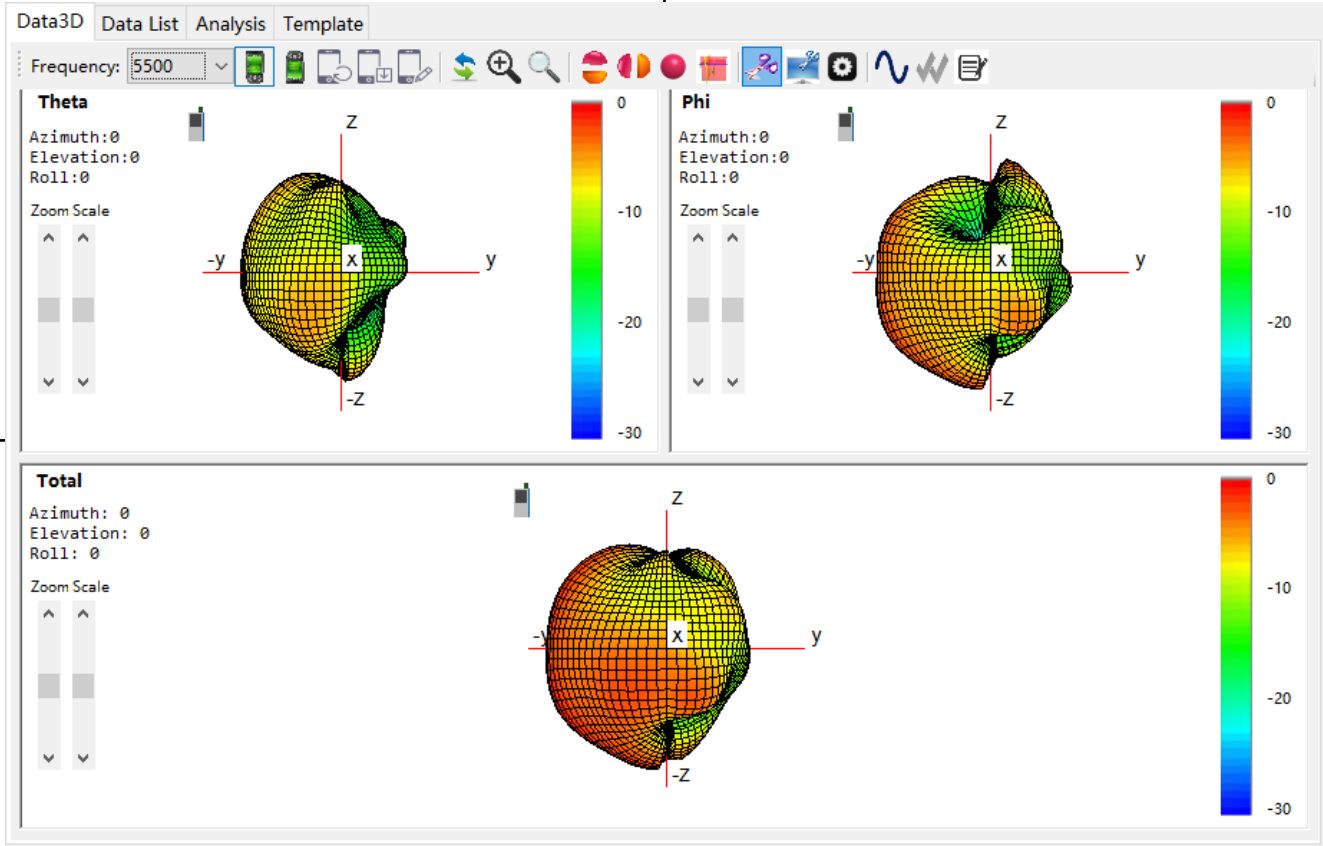


Radiation Pattern For WiFi Antenna (5150mhz)



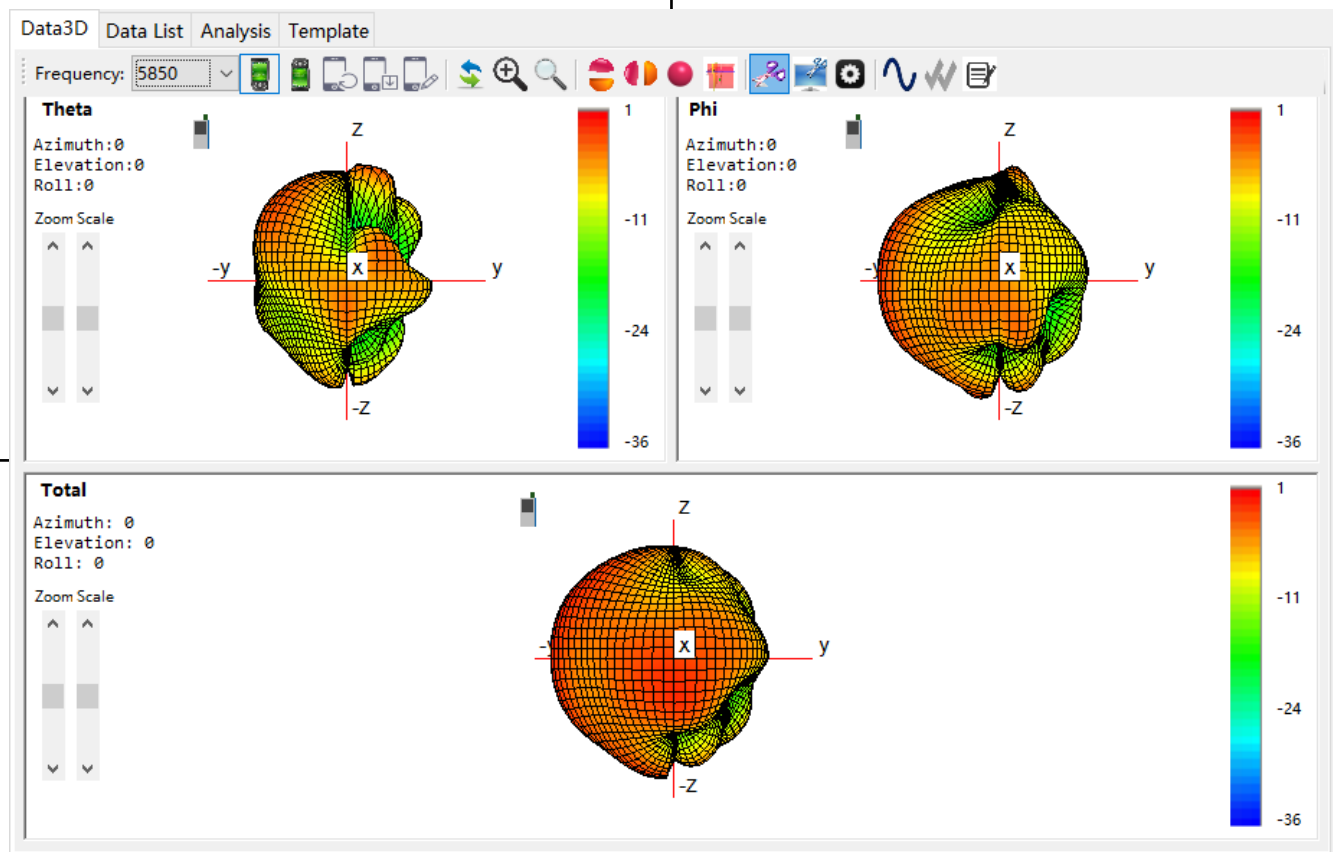


Radiation Pattern For WiFi Antenna (5500mhz)





Radiation Pattern For WiFi Antenna (5850mhz)





RoHS		CUSTOMER		REV.		DESCRIPTION		DATE																																																																																											
PART NO.				Initial issue		2024-12-12																																																																																													
Legend: - Tear zone - Copper exposed region - Double-sided tape																																																																																																			
Note: - Material: a pair of half PI substrate, copper foil thickness 0.5oz. - Finished thickness without release paper: 0.1mm. - Color/surface treatment: single side black ink, white screen printing. - Gold-plated copper exposed area, back 300M11 adhesive, yellow no print release paper tape segment 11mm. - Packaging: PET micro membrane packaging. - Size: with * as the key size. - Tolerance: No marked tolerance refer to standard tolerance.																																																																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="4" style="text-align: center;"> </td> <td colspan="6"></td> </tr> <tr> <td colspan="4" style="text-align: center;"> 东莞市一佳电子科技有限公司 Dongguan Yujia Electronics Technology Co., Ltd. </td> <td colspan="6"></td> </tr> <tr> <td colspan="4">PART NAME: 1.575/2.4/5.8GHz Antenna</td> <td colspan="6">DATE: 2026-02-03</td> </tr> <tr> <td colspan="4">PART NO.: YJS01.086.204.304A</td> <td colspan="6"></td> </tr> <tr> <td>APPROVED BY</td> <td>CHECKED BY</td> <td>DESIGNED BY</td> <td colspan="7"></td> </tr> <tr> <td>Yin tao</td> <td>LJ Guang Lei</td> <td>Huang Gu yong</td> <td colspan="7"></td> </tr> <tr> <td colspan="3"></td> <td>UNIT: mm</td> <td colspan="2">Tolerance</td> <td colspan="4"></td> </tr> <tr> <td colspan="3"></td> <td>SCALE: 1/1</td> <td colspan="2">X.X ±0.50</td> <td colspan="4"></td> </tr> <tr> <td colspan="3"></td> <td>REVISION: C</td> <td colspan="2">X.X ±0.15</td> <td colspan="4"></td> </tr> </table>																				东莞市一佳电子科技有限公司 Dongguan Yujia Electronics Technology Co., Ltd.										PART NAME: 1.575/2.4/5.8GHz Antenna				DATE: 2026-02-03						PART NO.: YJS01.086.204.304A										APPROVED BY	CHECKED BY	DESIGNED BY								Yin tao	LJ Guang Lei	Huang Gu yong											UNIT: mm	Tolerance									SCALE: 1/1	X.X ±0.50									REVISION: C	X.X ±0.15					
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