



Dongguan YiJia Electronics Communication Technology Co.,Ltd.

Antenna Test Report

Contents:

1. WIFI Antenna Test

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Approval : Yin Tao

Date : 2025 / 8/ 12

**Yuanfu Industrial Park, No.59, Muyu Road, Shatou Community,
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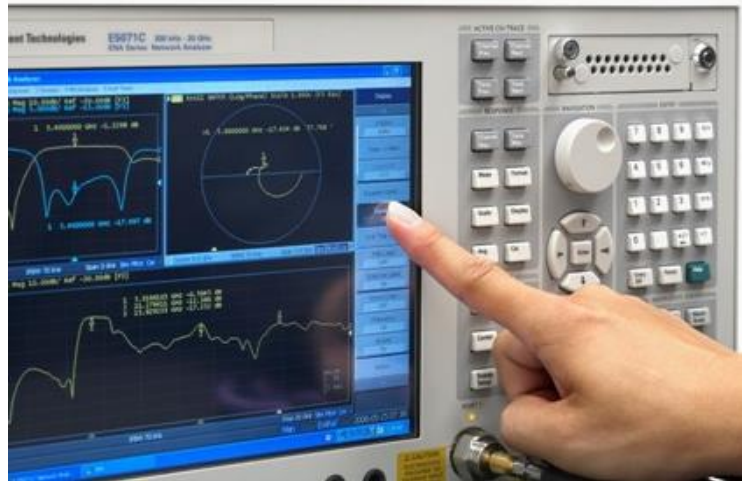


Project name	A800
Name of antenna	FPC
Antenna form	PIFA
Radiate	Omni-directional
Polarization	Line polarization

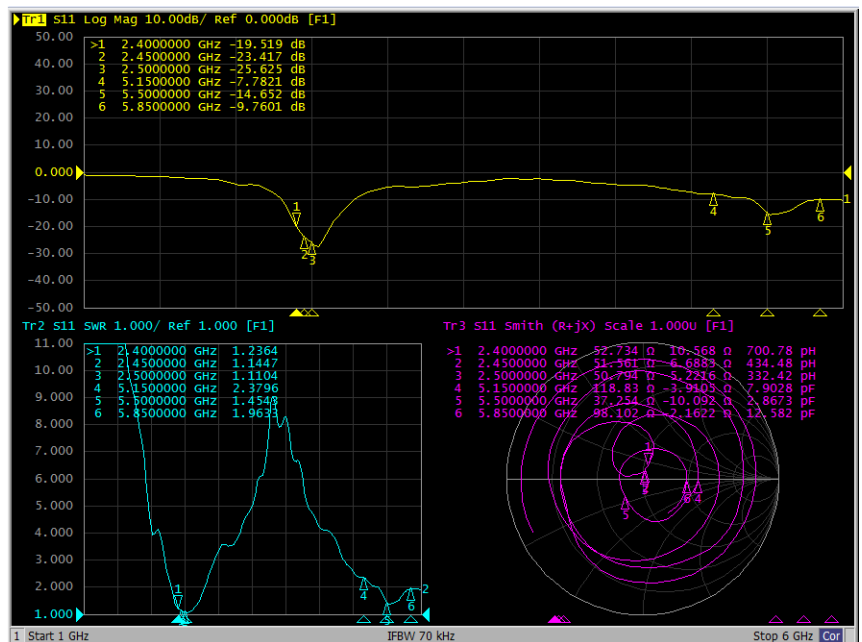


1.WIFI Antenna Test

**Agilent
E5071C**



**S11
Parameter
Test //
WiFi
Antenna**



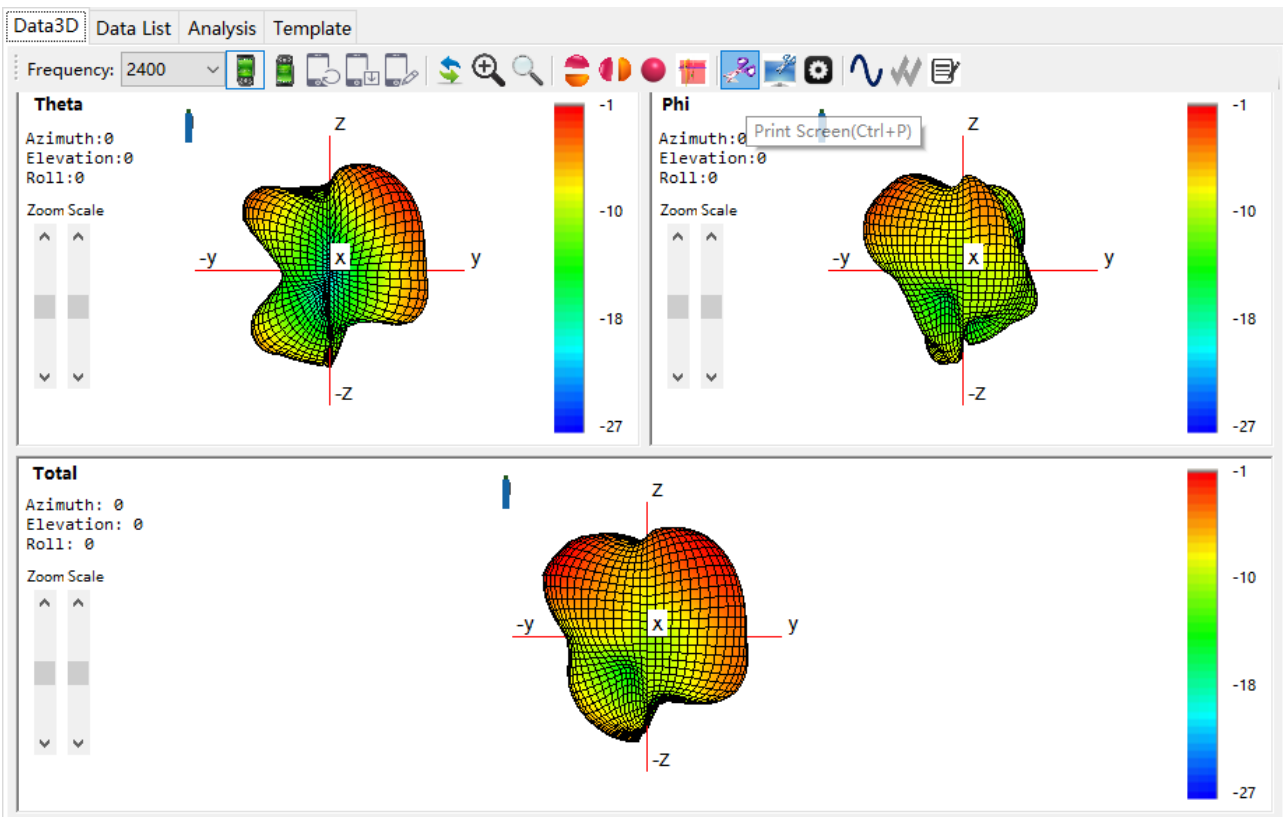


Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	29	-5.38	-2.11
2410	29.91	-5.24	-1.9
2420	30.12	-5.21	-1.75
2430	30.28	-5.19	-1.75
2440	30.49	-5.16	-1.6
2450	29.89	-5.24	-1.66
2460	30.02	-5.23	-1.57
2470	30.52	-5.15	-1.37
2480	30.62	-5.14	-1.26
2490	30.8	-5.11	-1.19
2500	30.9	-5.1	-1.12

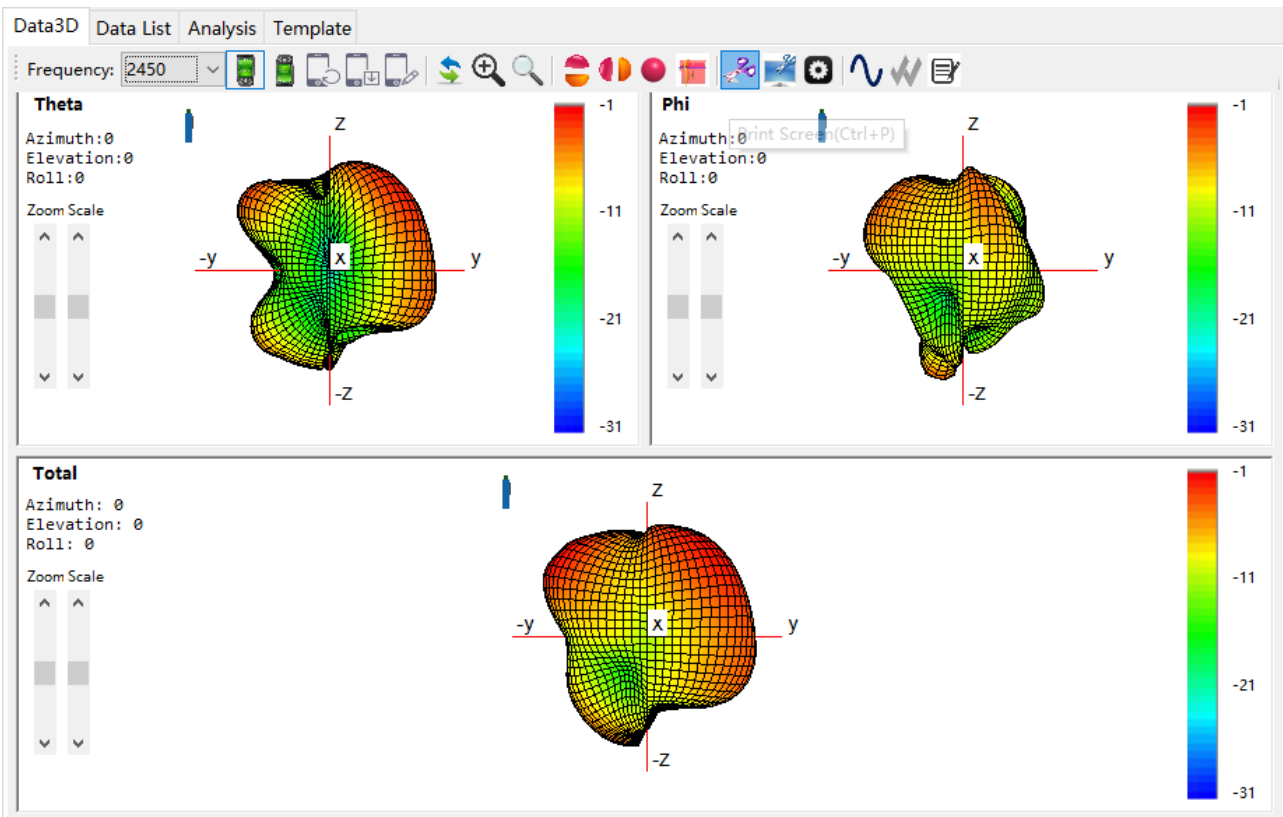


Radiation Pattern For WiFi Antenna(2400MHz)



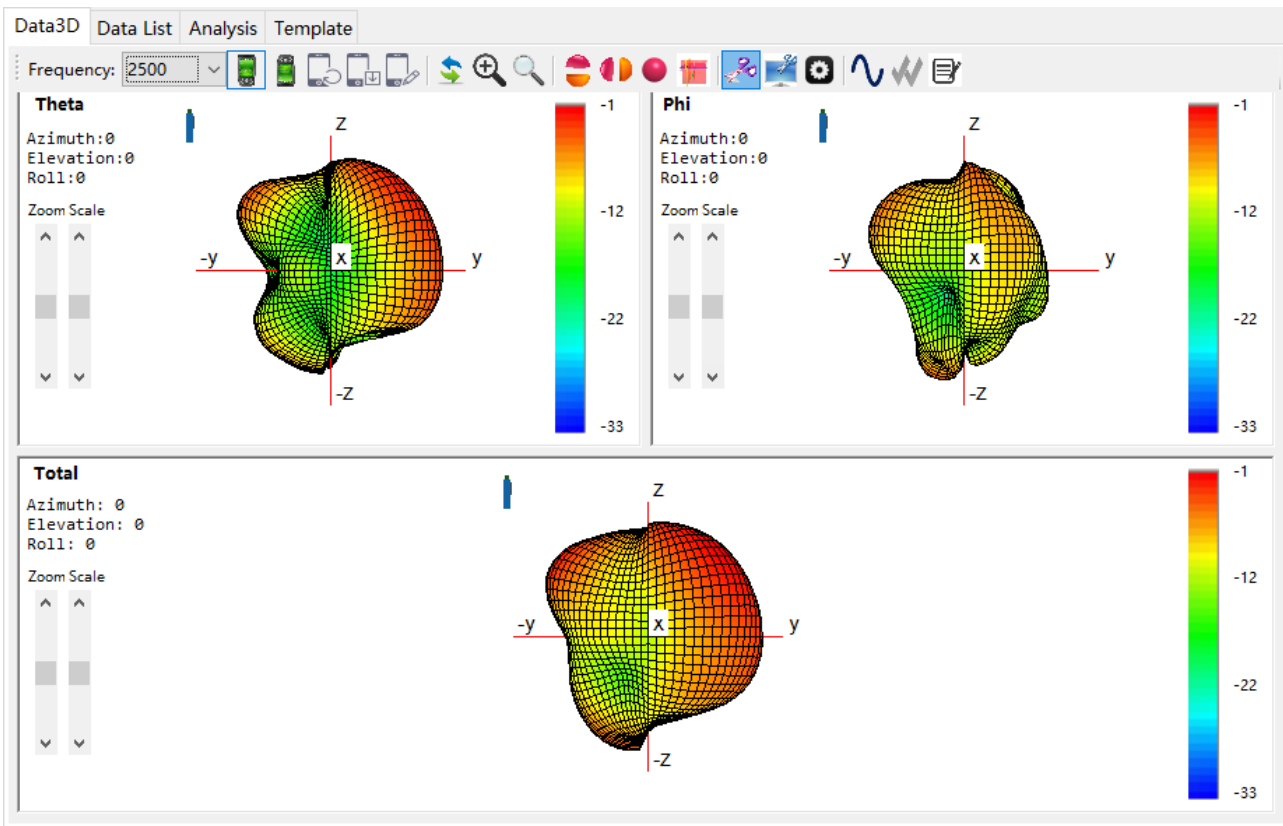


Radiation Pattern For WiFi Antenna(2450MHz)





Radiation Pattern For WiFi Antenna(2500MHz)



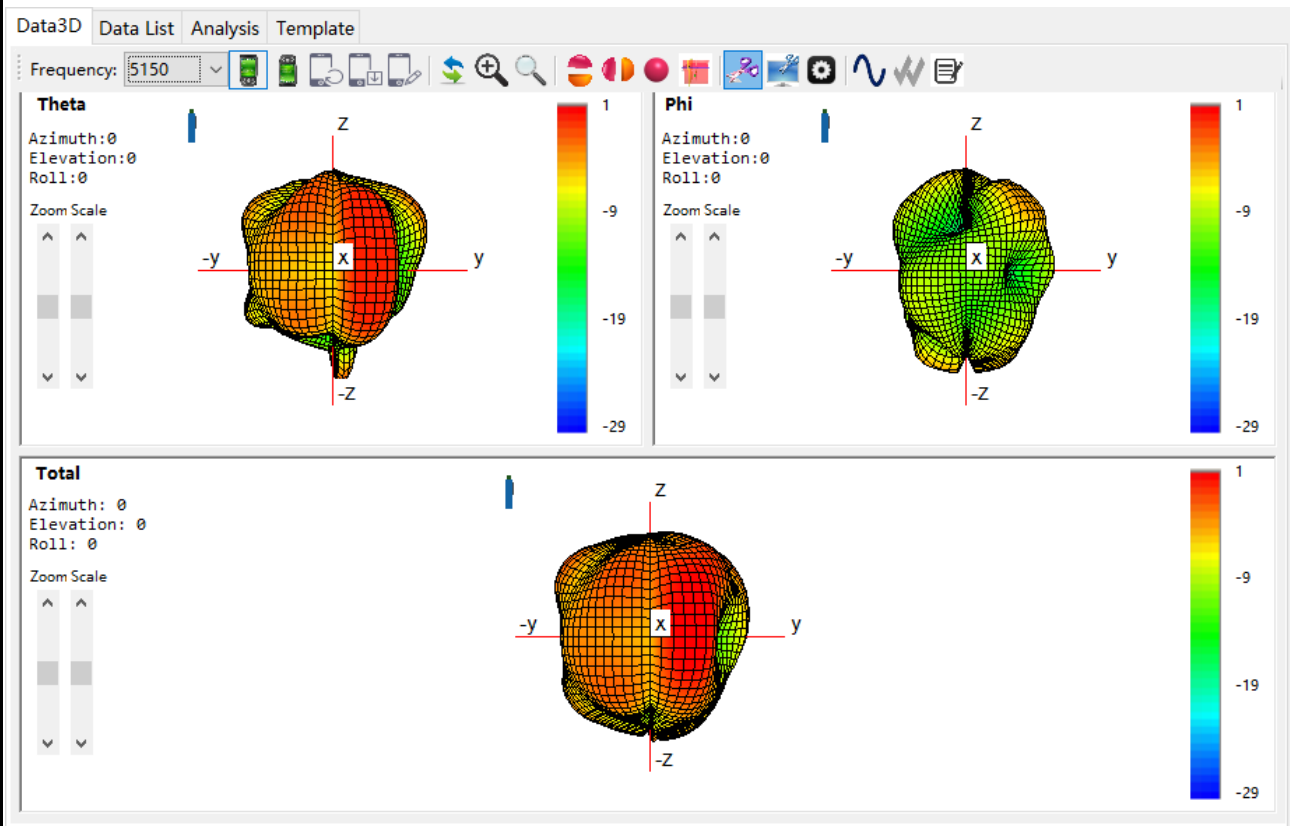


Passive Test For WiFi Antenna(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	33.5	-4.75	0.57
5180	34.36	-4.64	0.84
5210	33.46	-4.75	0.81
5240	33.33	-4.77	0.95
5270	32.09	-4.94	1.08
5300	27.9	-5.54	0.84
5330	30.54	-5.15	1.49
5360	27.56	-5.6	1.07
5390	30.82	-5.11	1.51
5420	29.63	-5.28	1.21
5450	28.3	-5.48	0.8
5480	27.7	-5.58	0.54
5510	23.97	-6.2	-0.15
5540	25.58	-5.92	0.06
5570	25.22	-5.98	-0.08
5600	27.87	-5.55	0.29
5630	27.7	-5.57	0.04
5660	28.4	-5.47	-0.09
5690	27.77	-5.56	-0.46
5720	26.09	-5.84	-0.98
5750	26.89	-5.7	-0.84
5780	26.25	-5.81	-1.05
5810	29.36	-5.32	-0.69
5840	29.56	-5.29	-0.86
5850	29.18	-5.35	-0.94

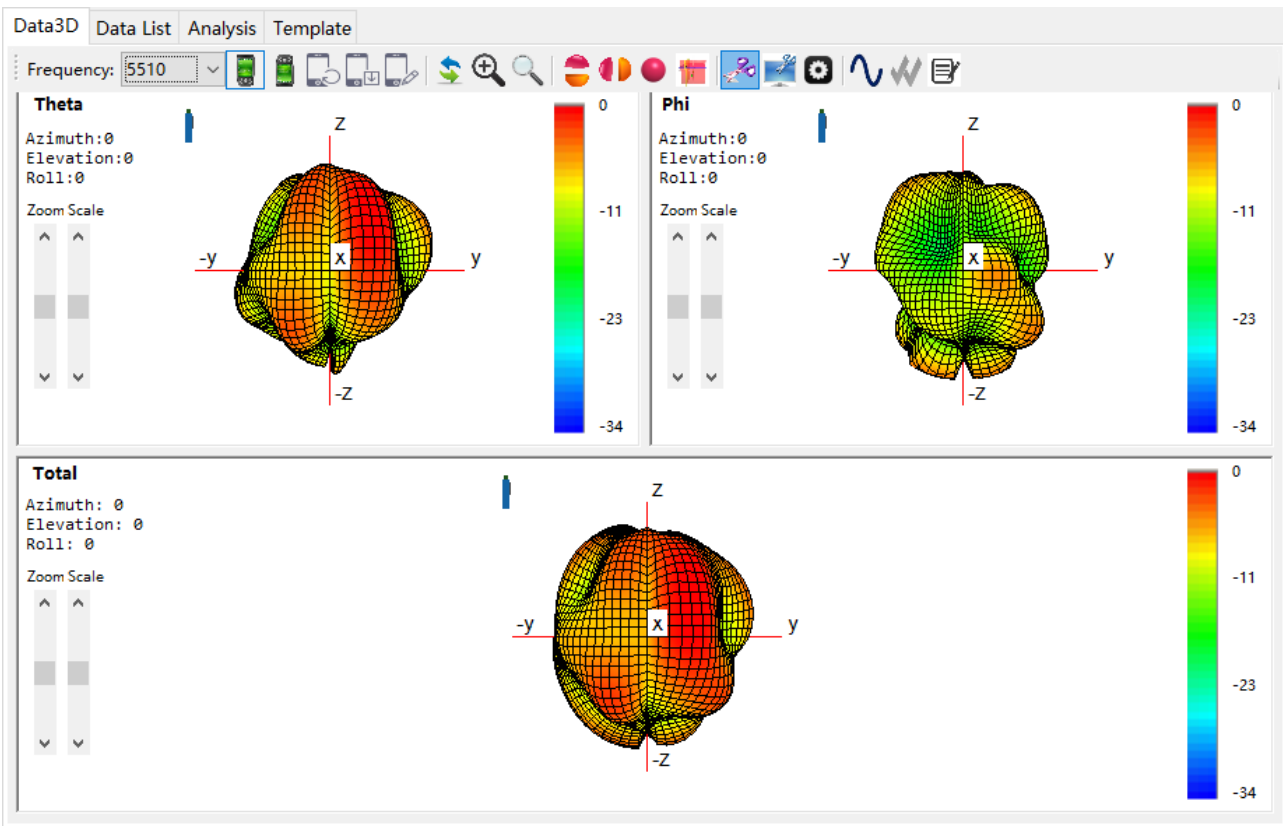


Radiation Pattern For WiFi Antenna(5150MHz)



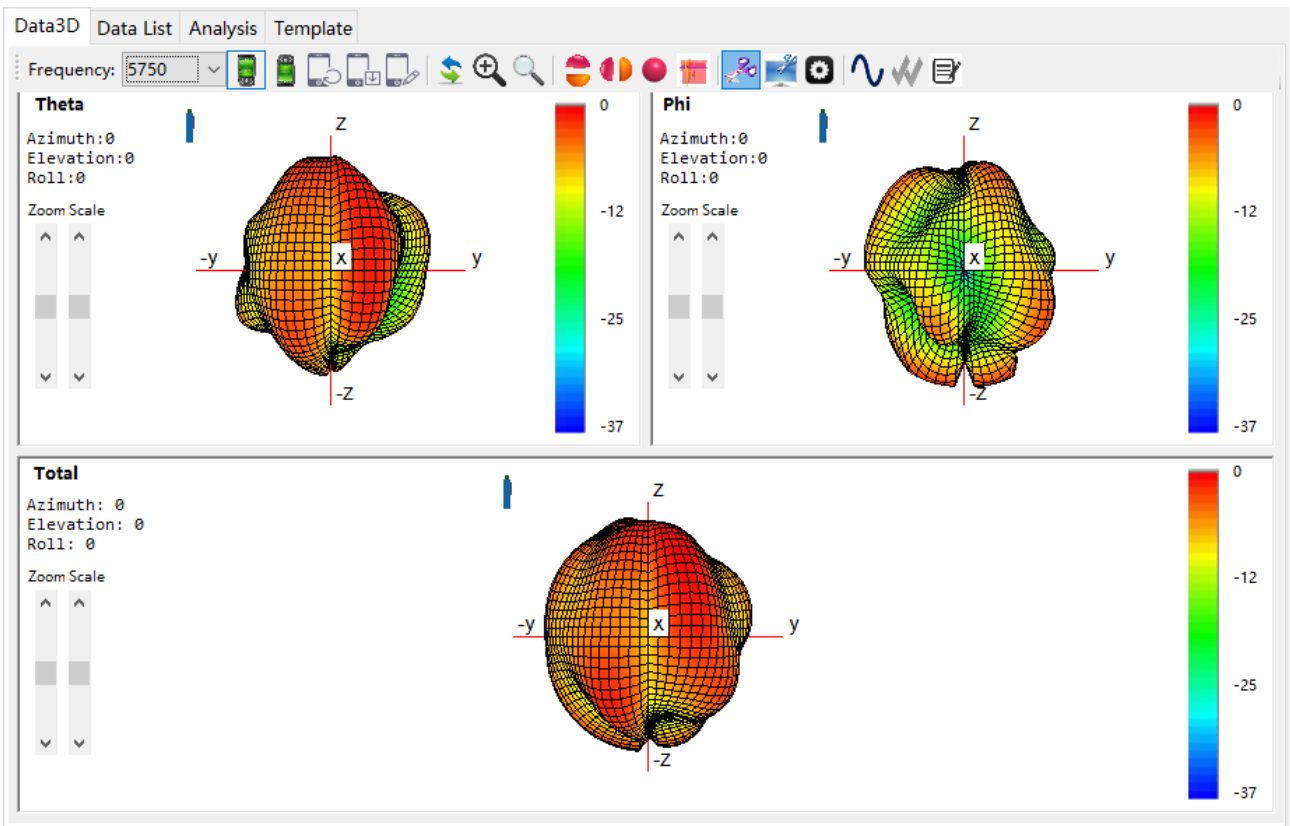


Radiation Pattern For WiFi Antenna(5510MHz)





Radiation Pattern For WiFi Antenna(5750MHz)





Radiation Pattern For WiFi Antenna(5850MHz)

