



**Dongguan YiJia Electronics
Communication Technology Co.,Ltd.**

Antenna Test Report

Contents:

WIFI Antenna Test

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Approval : Yin Tao *Yin Tao*

Date : 2025 / 09/ 15

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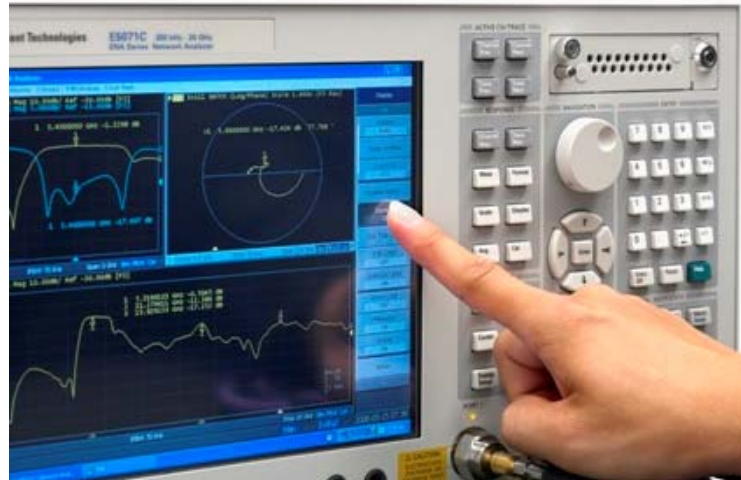


Project name	A920max
Name of antenna	FPC
Antenna form	PIFA
Radiate	Omni-directional
Polarization	Line polarization
Test software	General Test RayZone 1800
est equipment and calibration date	CMW500 2025/04/18~2025/10/18
	Network Analyzer 5071C 2024/11/15~2025/11/15

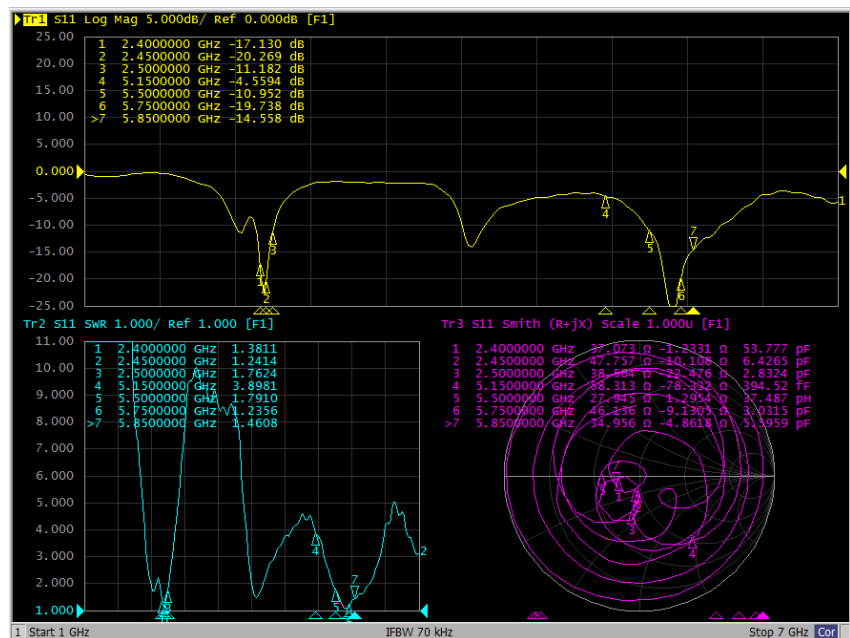


WIFI Antenna Test

**Agilent
E5071B**



**S
Parameter
Test //
WiFi
Antenna**



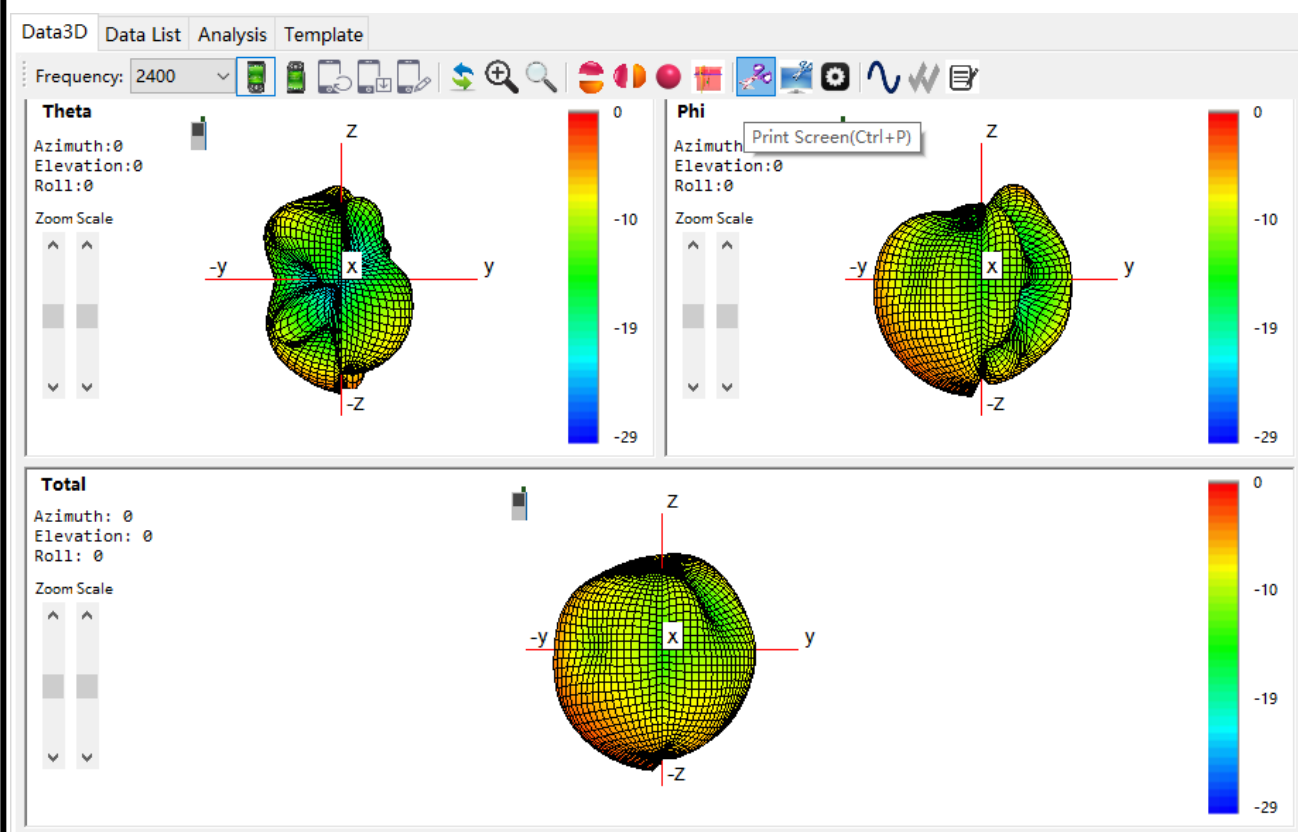


Passive Test For WiFi Antenna(2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	30.86	-5.55	-1.84
2410	32.21	-5.2	-1.62
2420	32.39	-4.9	-1.53
2430	34.11	-4.67	-1.31
2440	35.35	-4.52	-1.26
2450	35.66	-4.48	-1.22
2460	35.89	-4.45	-1.12
2470	36.44	-4.38	-1.16
2480	36.11	-4.42	-1.24
2490	35.53	-4.49	0.08
2500	34.62	-4.61	-0.06

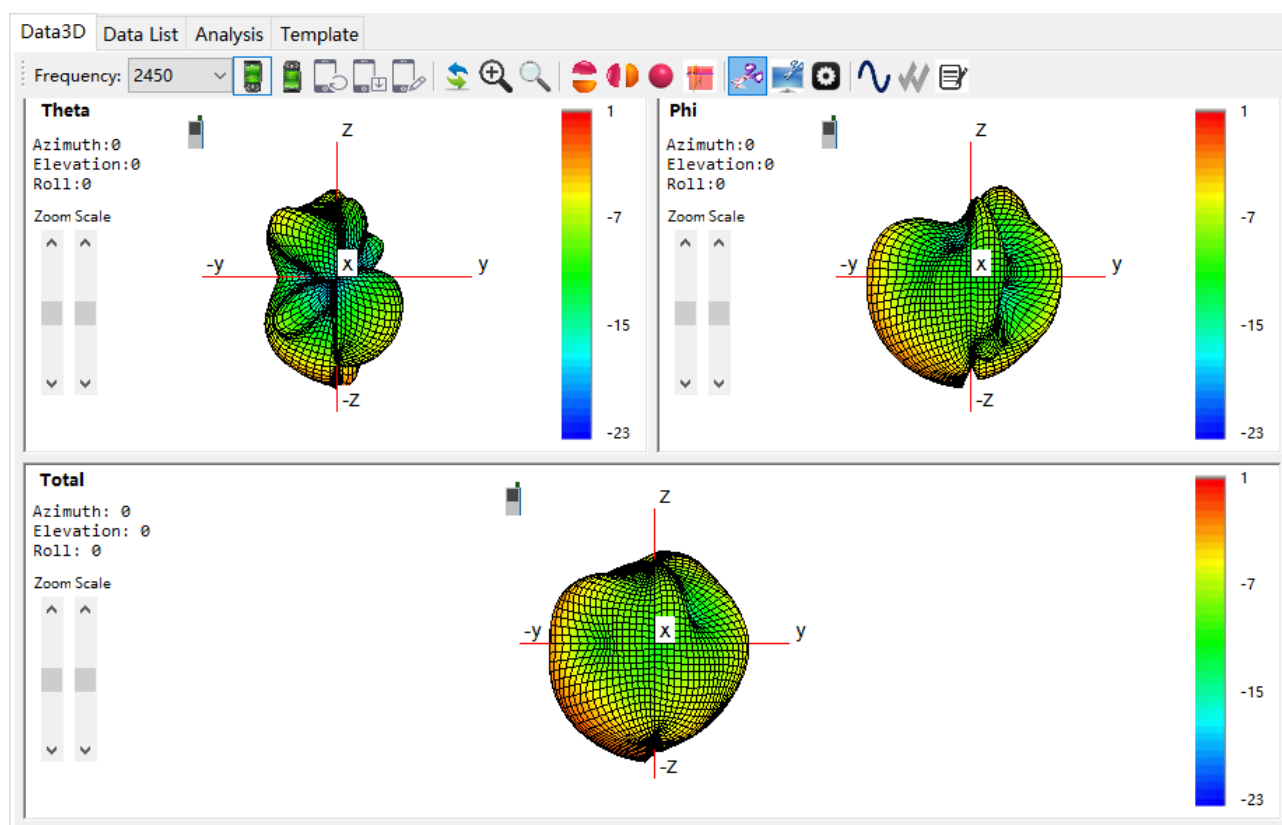


Radiation Pattern For WIFI Antenna (2400MHz)



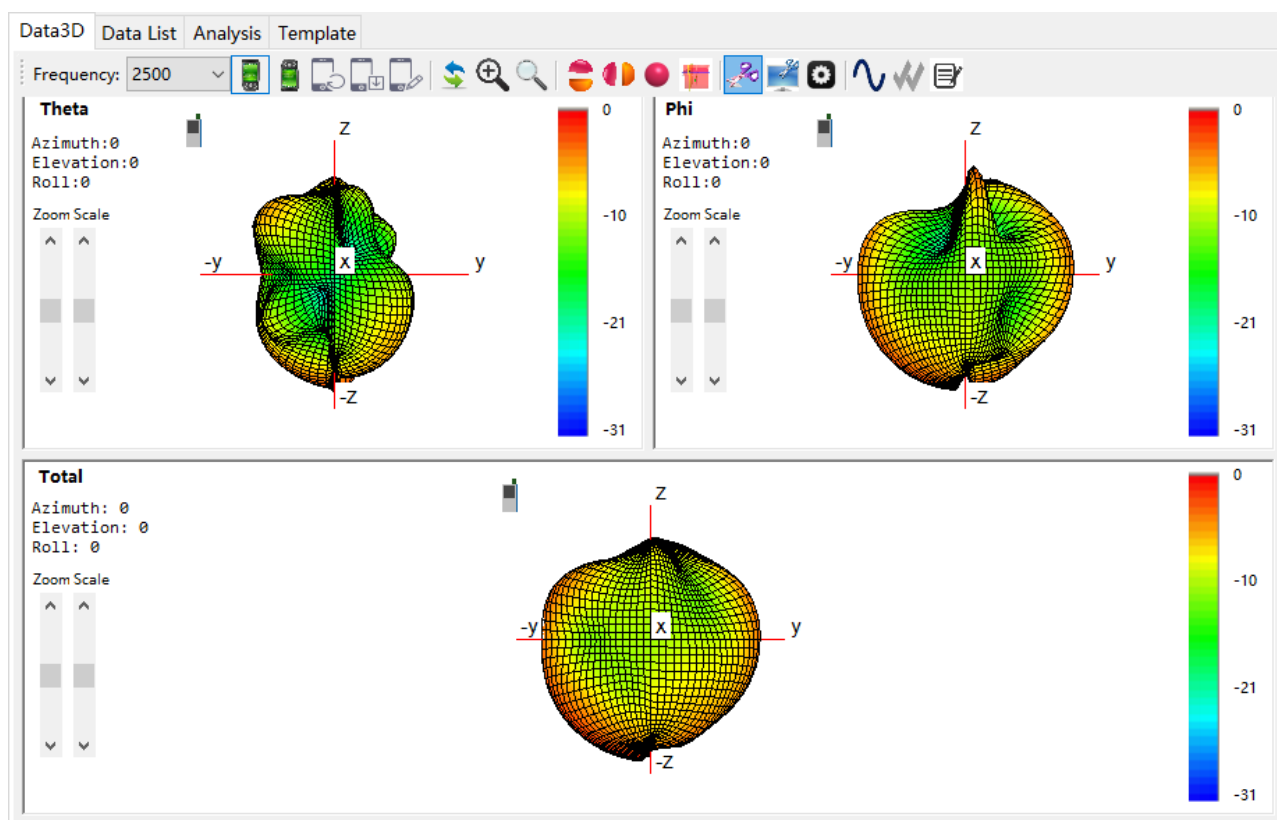


Radiation Pattern For WIFI Antenna (2450MHz)





Radiation Pattern For WIFI Antenna (2500MHz)

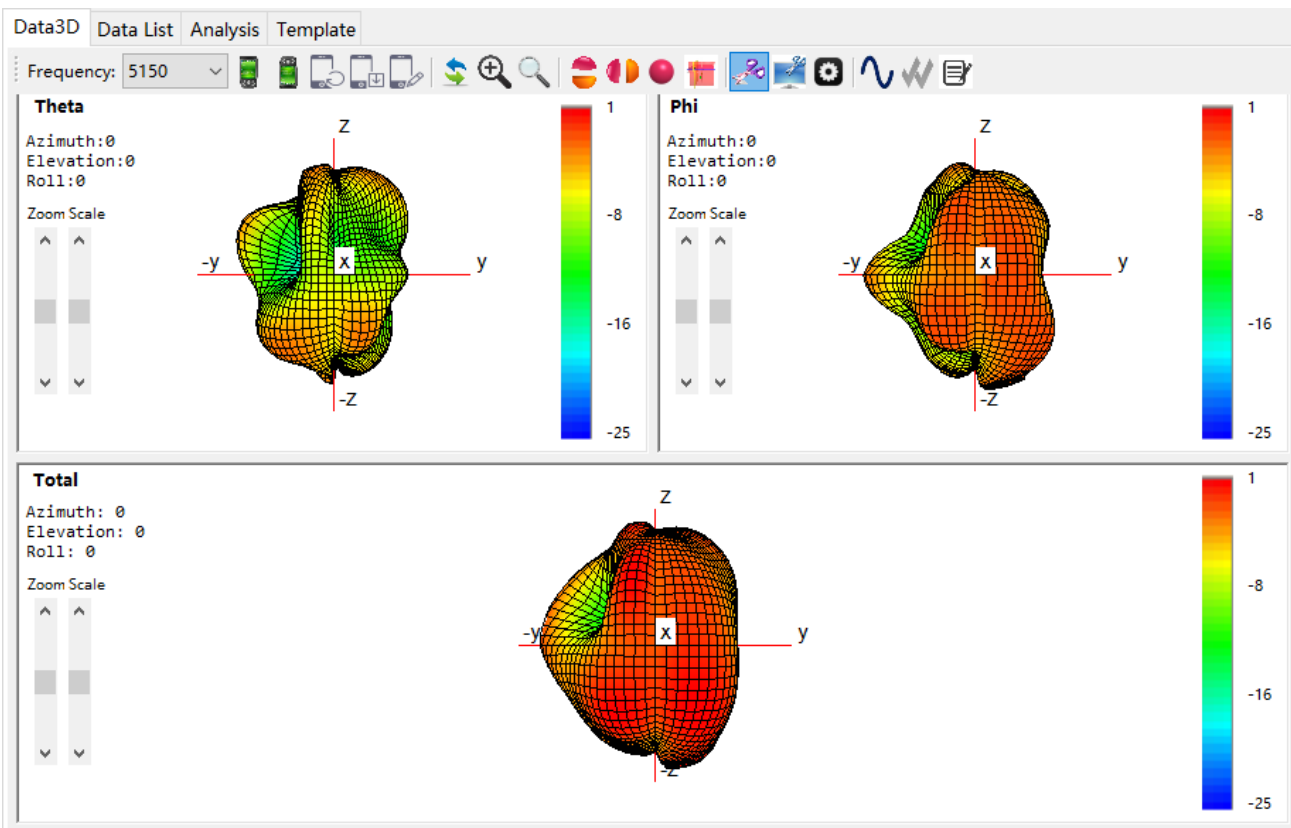




Passive Test For WiFi Antenna(5.8G)			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	45.99	-3.37	0.87
5200	48.88	-3.11	0.95
5250	43.59	-3.61	0.93
5300	36.42	-4.39	1.49
5350	33.34	-4.77	-0.27
5400	30.4	-5.17	-1.84
5450	28.65	-5.43	-2.49
5500	29.38	-5.32	-2.04
5550	41.21	-3.85	0.2
5600	48.47	-3.15	0.54
5650	49.11	-3.09	0.32
5700	45.58	-3.41	0.21
5750	40.83	-3.89	-0.69
5800	39.48	-4.04	-0.73
5850	34.34	-4.64	-0.83

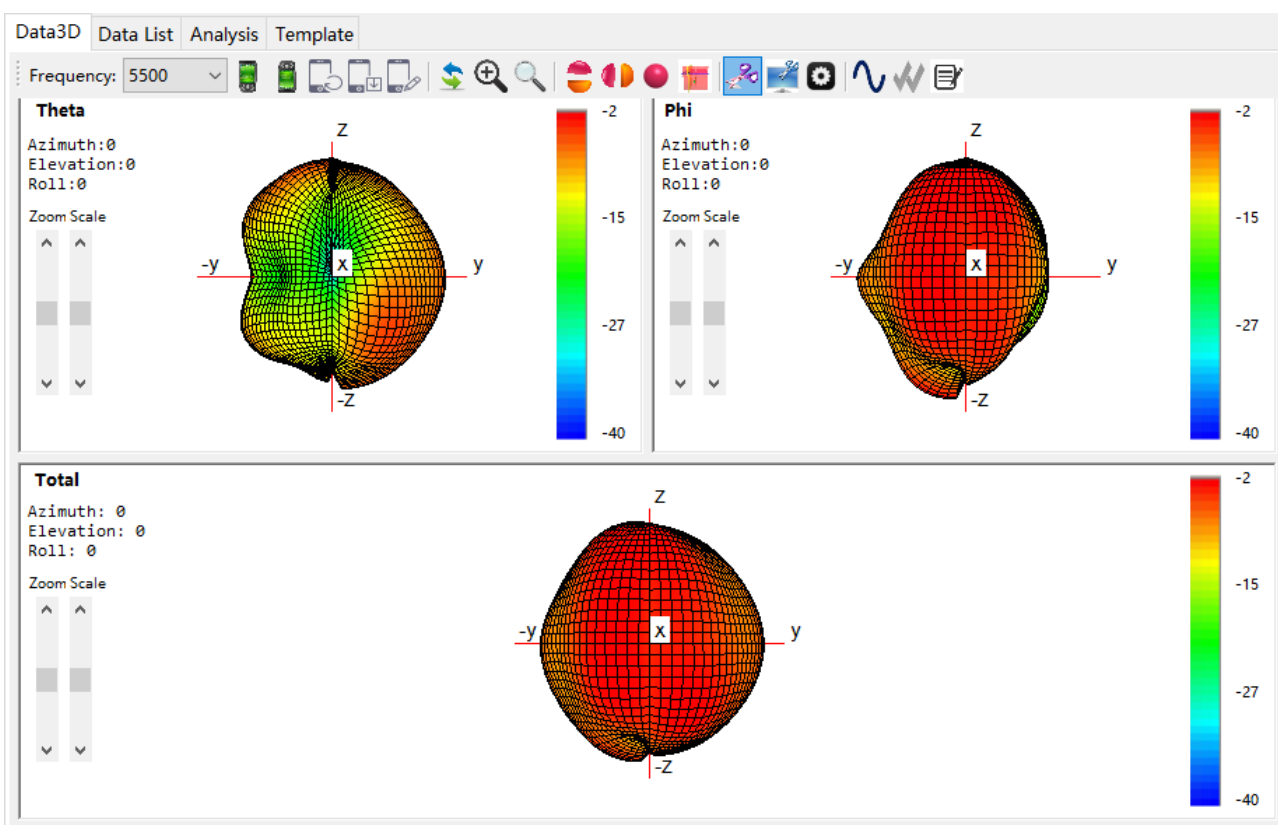


Radiation Pattern For WIFI Antenna (5150MHz)



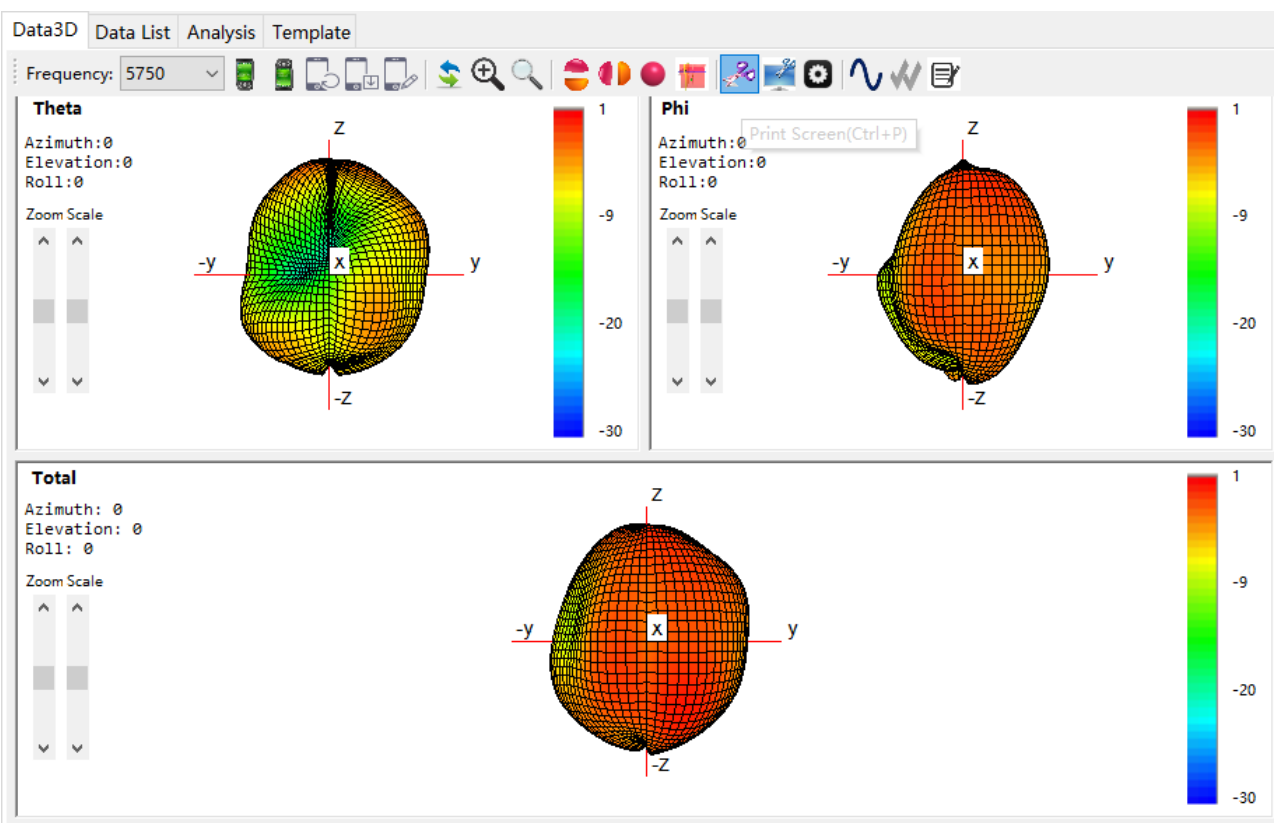


Radiation Pattern For WIFI Antenna (5500MHz)



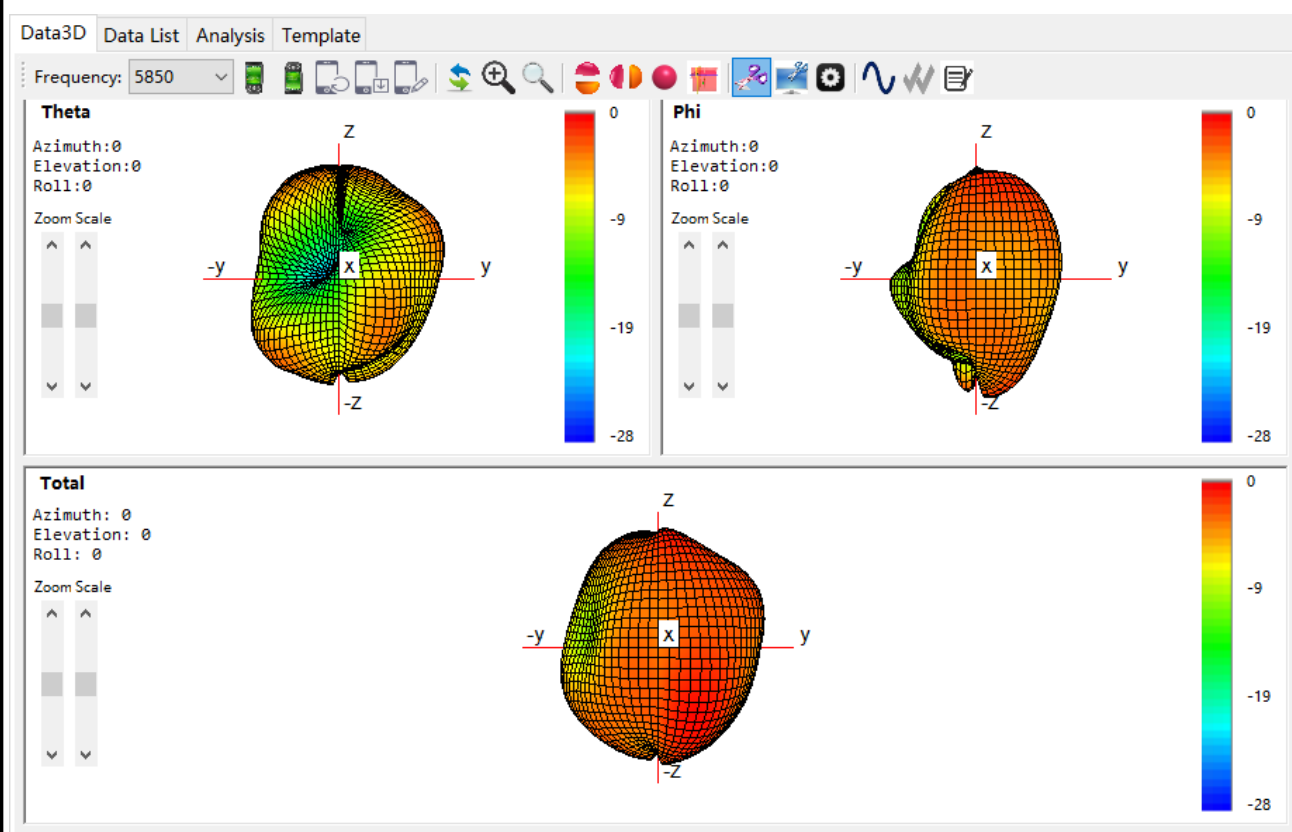


Radiation Pattern For WIFI Antenna (5750MHz)





Radiation Pattern For WIFI Antenna (5850MHz)



NFC Antenna: FPC + PVC-covered copper wire winding

Dimension: 62mm * 38mm * 0.3mm,

Antenna type: LOOP type antenna

Signature: Huibing Yang *Huibing Yang*