

Antenna Specification

Customer	LNDU	Project	K11
Band	Wi-Fi 2.4GHZ/5GHZ		
Antenna model	K11-WIFI_V1.0 GYF 2025-10-10		
Version	A1	Data	2025-10-15

1.Manufacturer information

Company name: SHENZHEN GUANGYUANFA ELECTRONIC CO.,LTD

Address: Building D2, 10th Floor, Songhu Intelligent Valley Industrial Park,
Liabu Town, Dongguan

2.Electrical Specification:

Antenna types	WIFI Antenna
Frequency	2400-2500 MHz, 5150-5850MHz
Impedance	50 Ω
Antenna Material	FPC

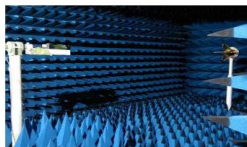
3. Test Equipment



24probe anechoic chamber



CMW500



7*4*3M ETS anechoic chamber



Agilent 8960



Agilent E5071B



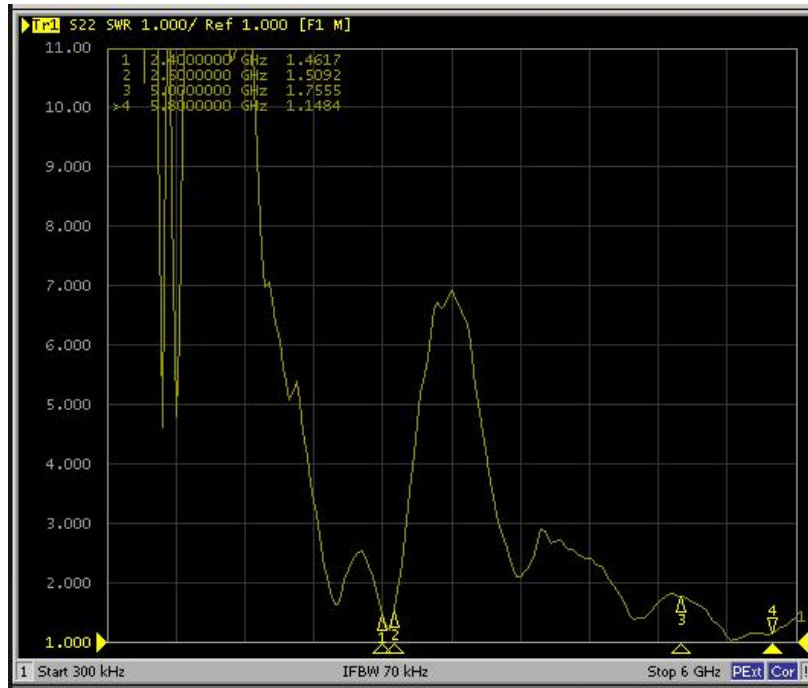
high-low temperature chamber



MT8820C



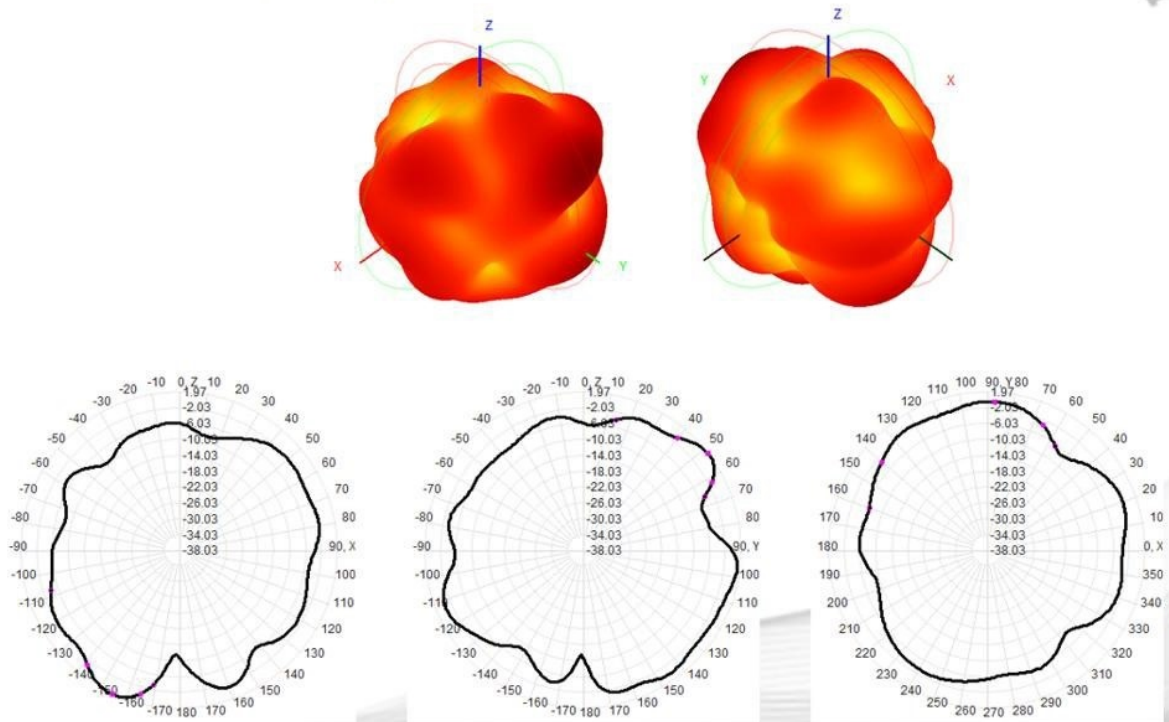
HP8753ES



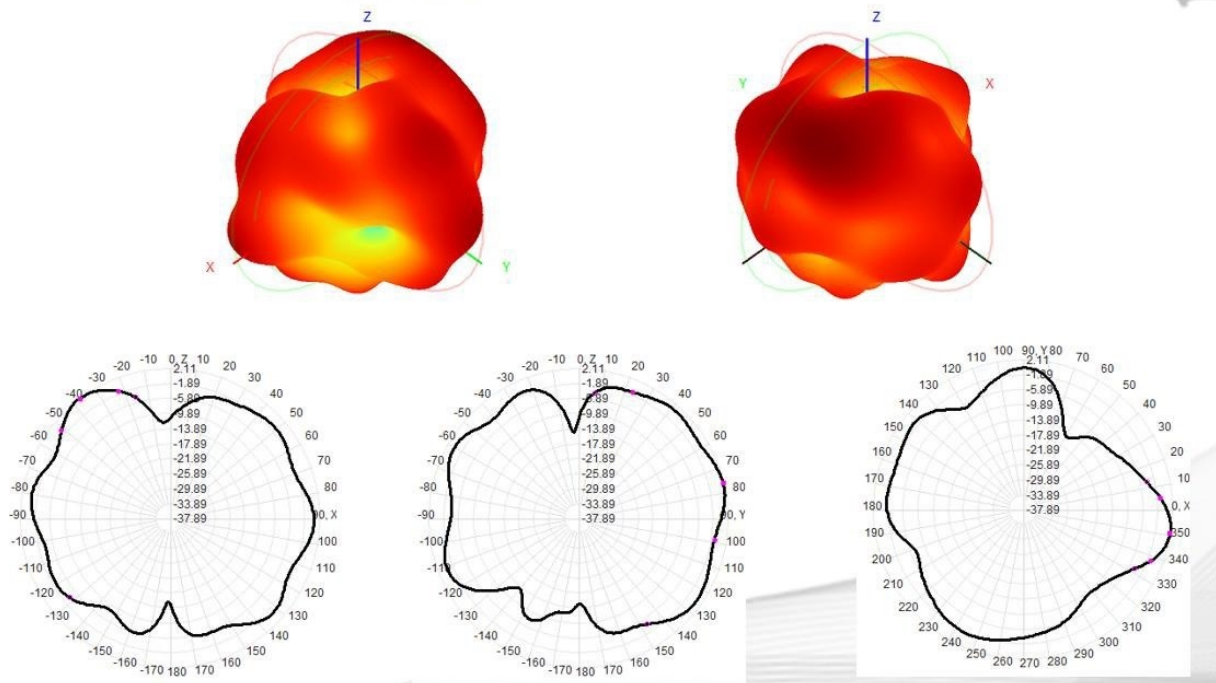
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-2.54	1.42	55.69
2410.0	-2.56	1.49	55.40
2420.0	-2.69	1.56	53.78
2430.0	-2.61	1.64	54.81
2440.0	-2.62	1.70	54.71
2450.0	-2.57	1.92	55.34
2460.0	-2.56	1.02	55.52
2470.0	-2.67	1.98	54.03
2480.0	-2.54	1.13	55.77
2490.0	-2.68	1.93	54.01
2500.0	-2.54	1.71	55.70
5150.0	-3.30	1.57	46.77
5200.0	-3.22	1.96	47.62
5250.0	-3.30	1.69	46.78
5300.0	-3.14	1.57	48.49
5350.0	-2.99	2.11	50.21
5400.0	-3.01	1.53	49.98
5450.0	-3.23	1.85	47.55
5500.0	-3.16	2.00	48.29
5550.0	-3.18	1.44	48.09
5600.0	-3.19	1.61	47.92
5650.0	-3.39	1.43	45.84
5700.0	-3.30	2.08	46.80
5750.0	-3.36	1.96	46.09
5800.0	-3.47	1.77	45.00
5850.0	-3.23	2.07	47.49

K11				
K11	WIFI B	1	13.79	-84.71
		6	13.07	-84.6
		11	12.69	-85.03
	WIFI G	1	11.67	-72.77
		6	11.7	-73.47
		11	12.01	-72.61
	WIFI N	1	11.87	-70.02
		6	11.59	-70.61
		11	11.72	-70.34
K11	WIFI A	36	11.44	-66.68
		100	11.79	-66.89
		165	12.14	-67.13

2470MHz/2D/3D (wifi)

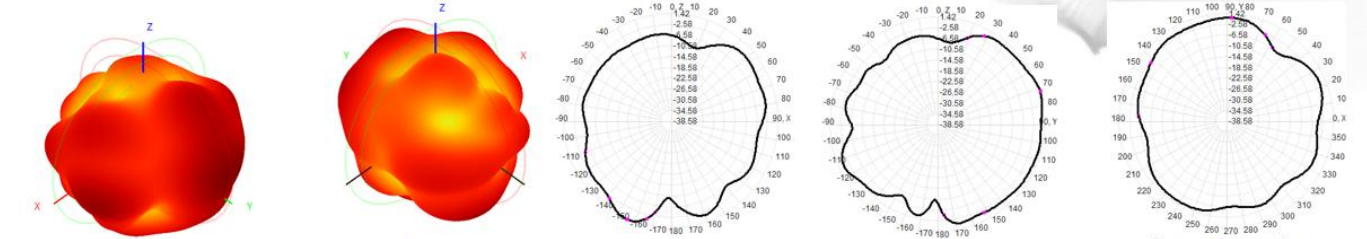


5350MHz/2D/3D

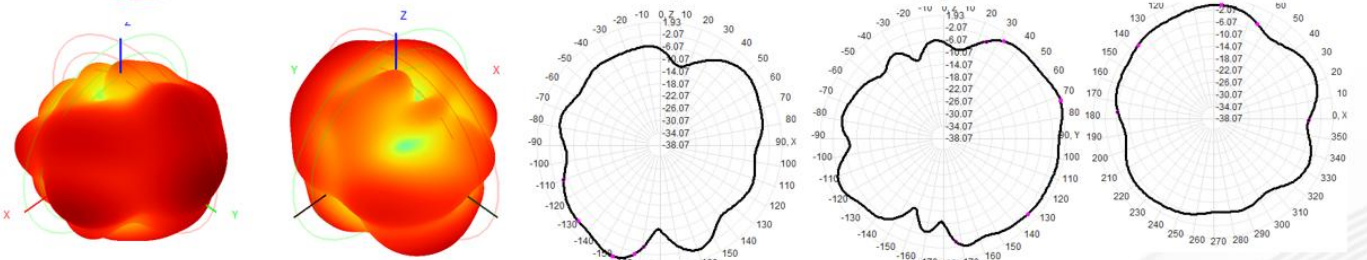


2D/3D (2.4G wifi)

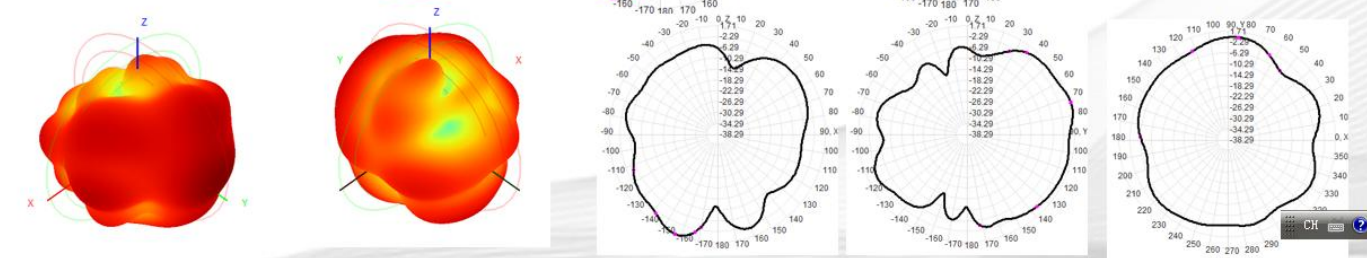
2400MHz



2450MHz

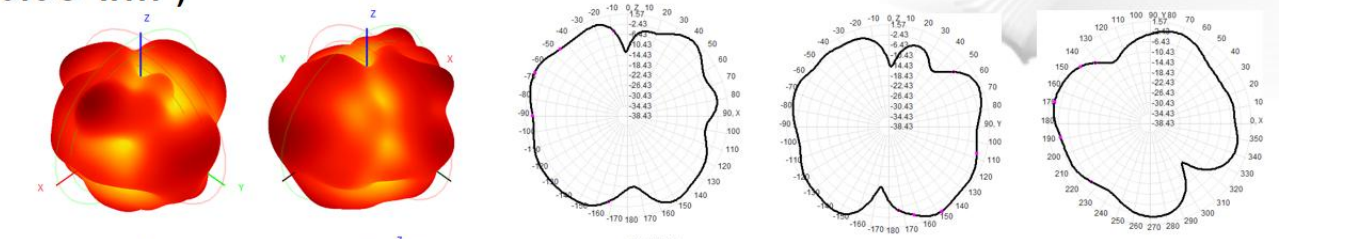


2500MHz

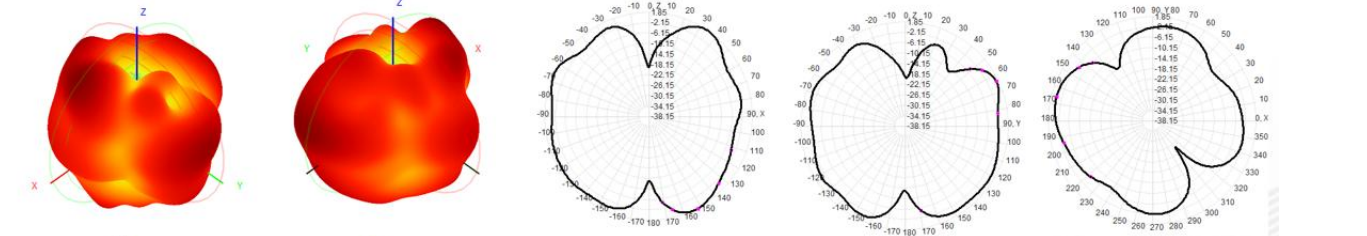


2D/3D (5.8G wifi)

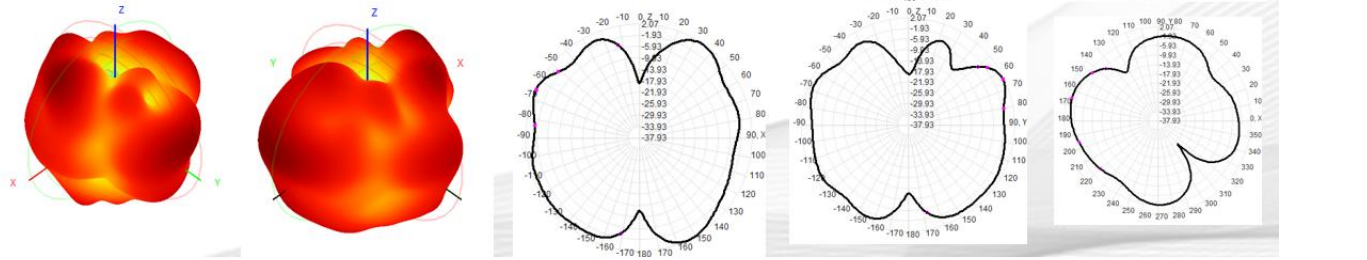
5150MHz



5450MHz



5850MHz



5. The antenna photo

