

Antenna Specification
For
M360 Project

Customer	LNDU	Project	M360
Band	Wi-Fi 2.4GHZ/5GHZ		
Antenna model	M360-WIFI-V1.0 GYF		
Version	1.0	Data	2025-03-07

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 Condition

Antenna installation diagram:



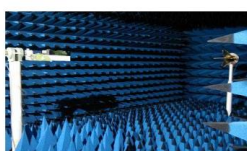
4. Test Equipment



24probe anechoic chamber



CMW500



7*4*3M ETS anechoic chamber



Agilent 8960



Agilent E5071B



high-low temperature chamber



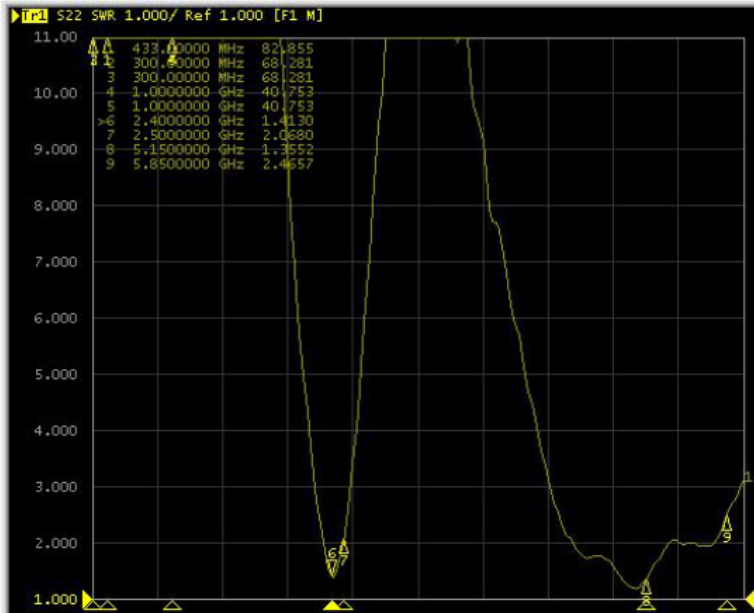
MT8820C



HP8753ES

5. RF Performance

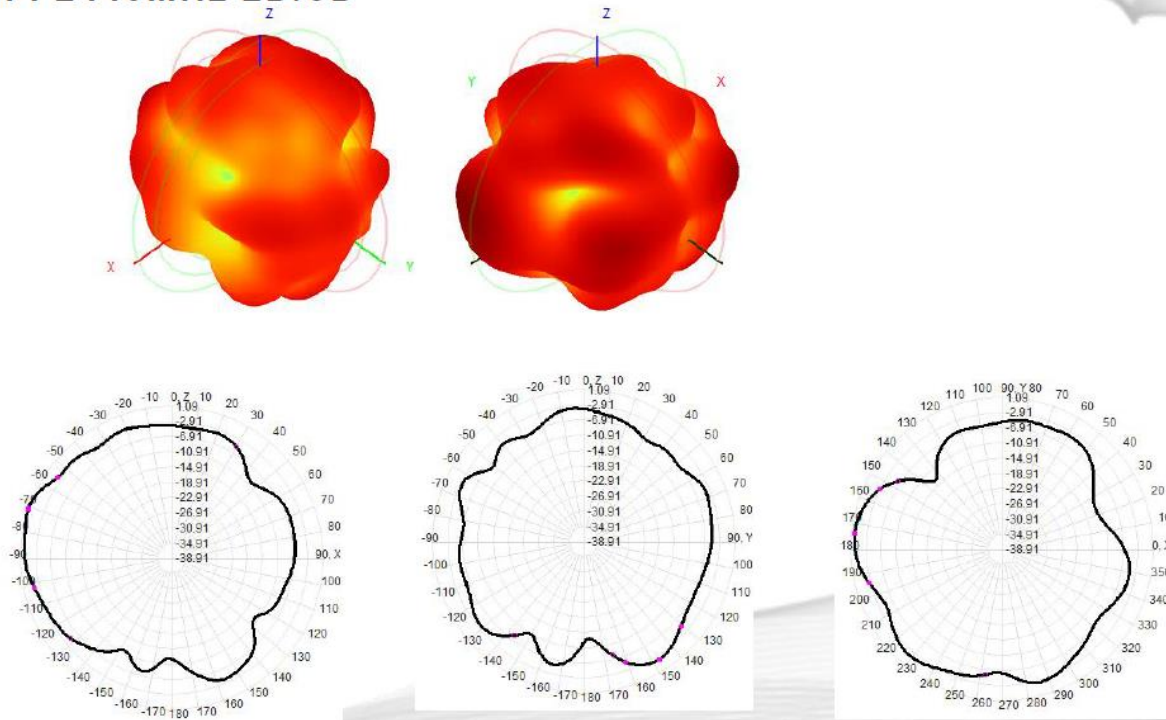
5.1 S Parameter



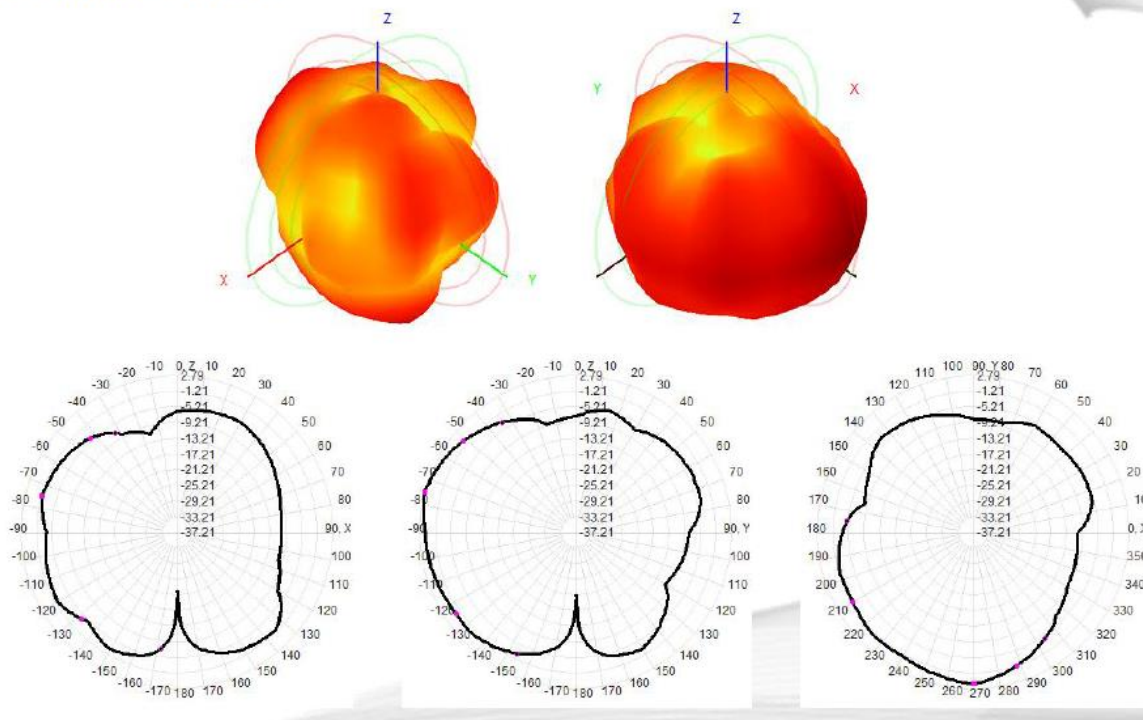
Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-5.47	0.55	28.37
2410.0	-5.24	0.83	29.96
2420.0	-5.26	0.84	29.77
2430.0	-5.15	0.97	30.52
2440.0	-4.97	1.05	31.82
2450.0	-4.89	1.02	32.42
2460.0	-4.87	0.95	32.57
2470.0	-5.06	0.71	31.16
2480.0	-5.23	0.50	30.02
2490.0	-5.41	0.24	28.74
2500.0	-5.54	0.08	27.93
5150.0	-3.45	1.34	45.24
5200.0	-3.52	1.72	44.41
5250.0	-3.40	2.63	45.72
5300.0	-3.60	2.34	43.68
5350.0	-3.84	2.34	41.29
5400.0	-3.60	2.79	43.60
5450.0	-3.61	2.49	43.58
5500.0	-3.84	2.04	41.29
5550.0	-3.91	2.16	40.63
5600.0	-3.67	2.28	42.93
5650.0	-4.03	1.58	39.50
5700.0	-4.07	1.80	39.20
5750.0	-4.18	1.87	38.21
5800.0	-4.18	2.00	38.16
5850.0	-4.67	1.78	34.16

5.2 Radiation

WIFI 2440MHz 2D/3D



WIFI 5400MHz 2D/3D



6. ME Drawing for the antenna

