

Antenna Specification

Customer	LNDU	Project	D289C
Band	2.4GHZ		
Version	A0	Data	20241204

1.Manufacturer information

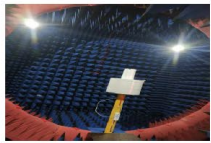
Company name: SHENZHEN GUANGYUANFA ELECTRONIC CO., LTD

Address: Room A-409, 425-426, Tong 'an Logistics Information Port, No. 30,
Aviation Road, Gushu, Bao 'an District, Shenzhen City

2.Electrical Specification:

Antenna types	433MHz: PCB Antenna; 2.4G: FPC Antenna
Frequency	2400-2500 MHz
Impedance	50 Ω

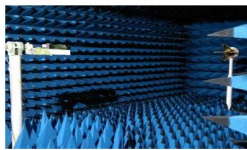
3. Test Equipment



24probe anechoic chamber



CMW500



7*4*3M ETS anechoic chamber



Agilent 8960



Agilent E5071B



high-low temperature chamber



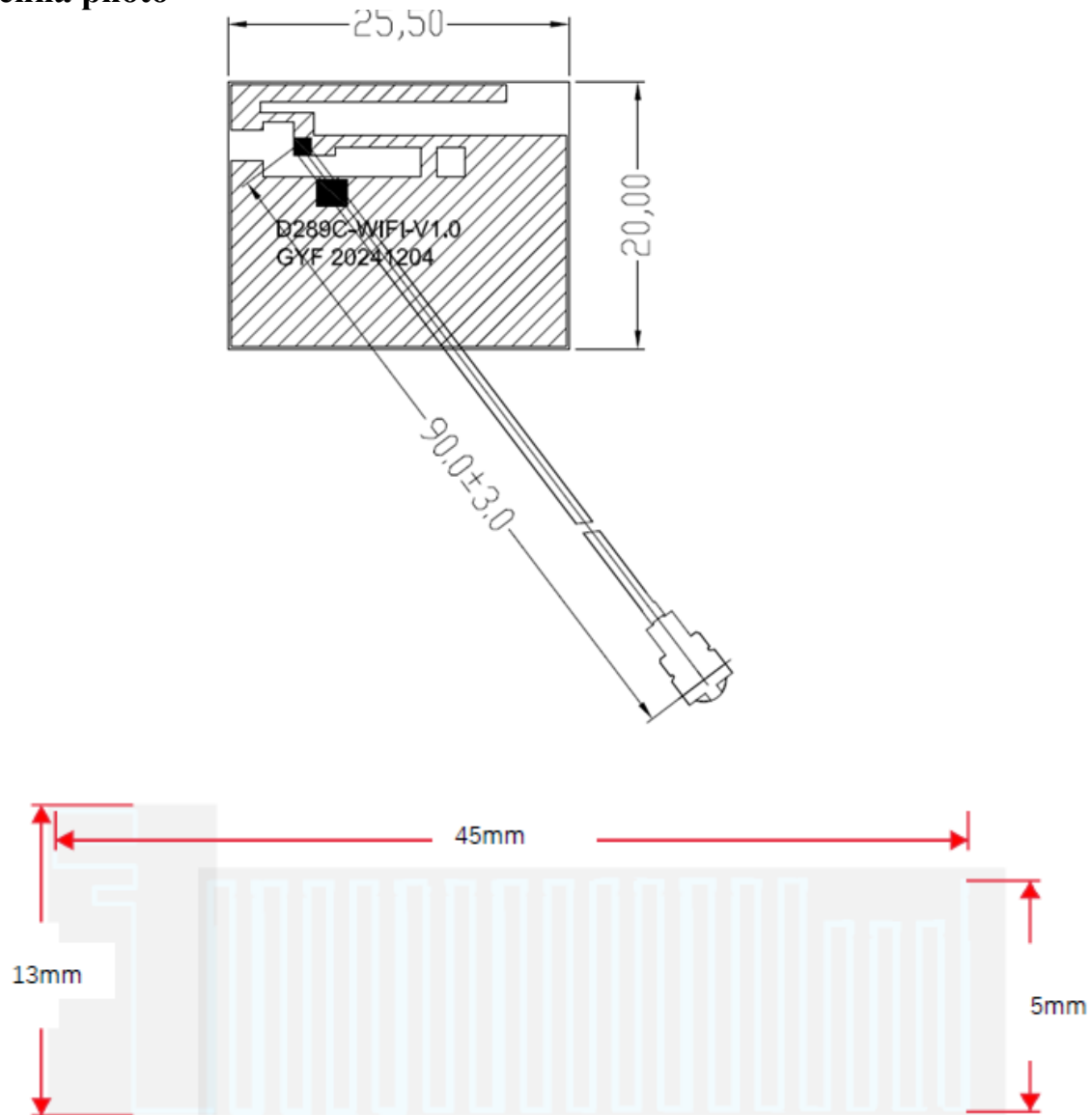
MT8820C



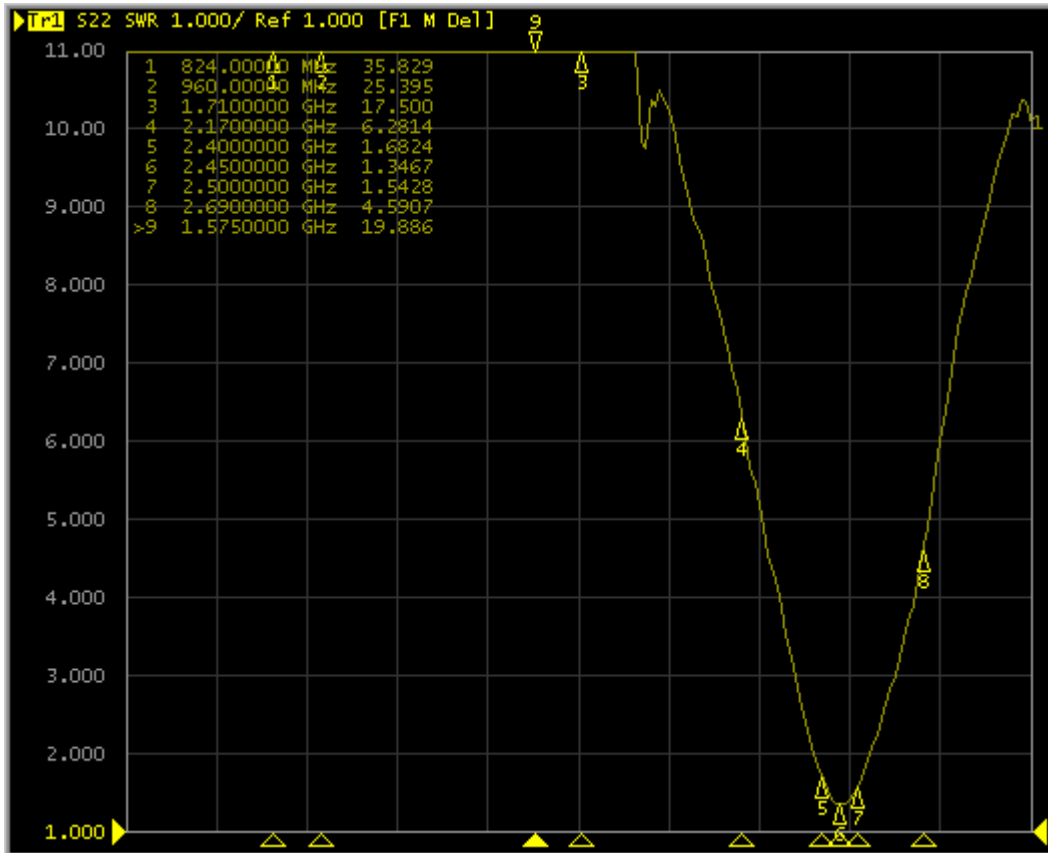
HP8753ES



4. The antenna photo



5. Radiation Pattern



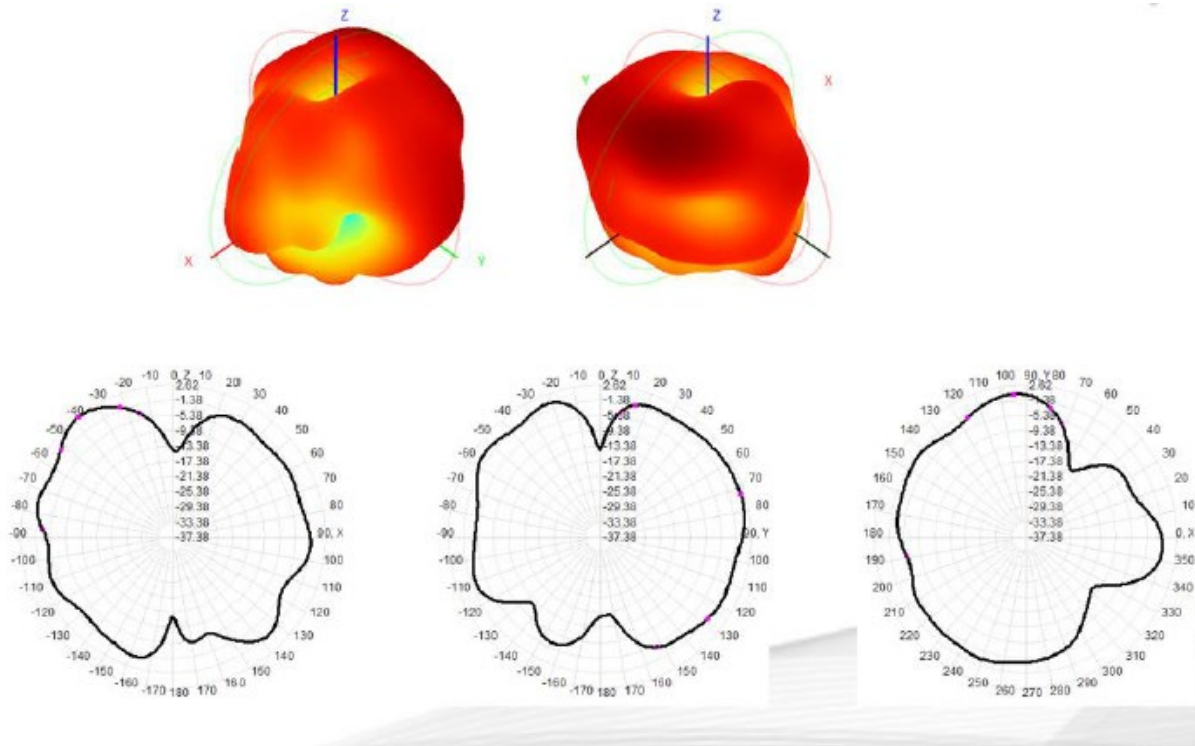
WIFI B	1	16.39	-84.32
	6	16.31	-84.21
	11	16.17	-84.16
WIFI G	1	15.99	-71.14
	6	16.91	-72.02
	11	16.83	-70.89
WIFI N	1	16.56	-66.6
	6	16.7	-66.34
	11	16.67	-66.43

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-2.63	2.22	54.58
2410.0	-2.76	2.18	52.92
2420.0	-2.74	2.37	53.21
2430.0	-2.72	2.44	53.51
2440.0	-2.65	2.56	54.36
2450.0	-2.60	2.62	54.91
2460.0	-2.47	2.44	56.62
2470.0	-2.48	2.55	56.51
2480.0	-2.41	2.19	57.36
2490.0	-2.41	2.15	57.47
2500.0	-2.39	2.59	57.74

433

Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
432.0	-13.51	-14.52	4.45
433.0	-13.51	-14.13	4.46
444.0	-13.58	-14.86	4.38

2450MHz 2D/3D



433 2D/3D 433MHz

