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Shenzhen

天线测试数据报告

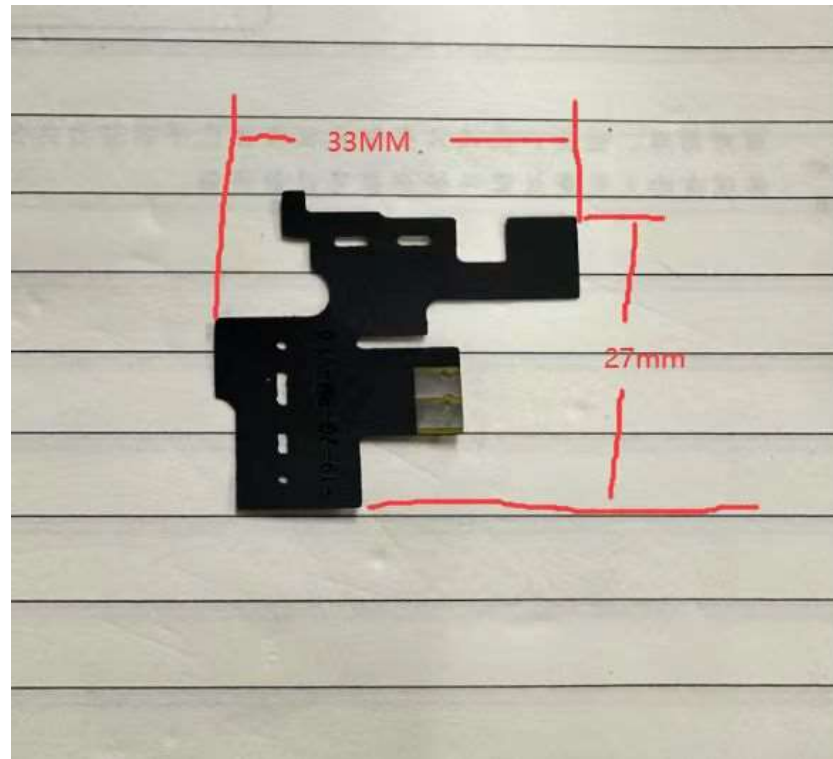
Antenna test data report

	Test Item	Equipment
1. S parameter	Return loss (RL) Standing wave ratio (VSWR)	Network Analyzers: Agilent 5071B
2. Coupling power test	1. Transmit power (power) 2. Receive sensitivity (level)	Comprehensive measuring instrument: CMW500/8960 anechoic chamber: 6*4*3 microwave anechoic chamber



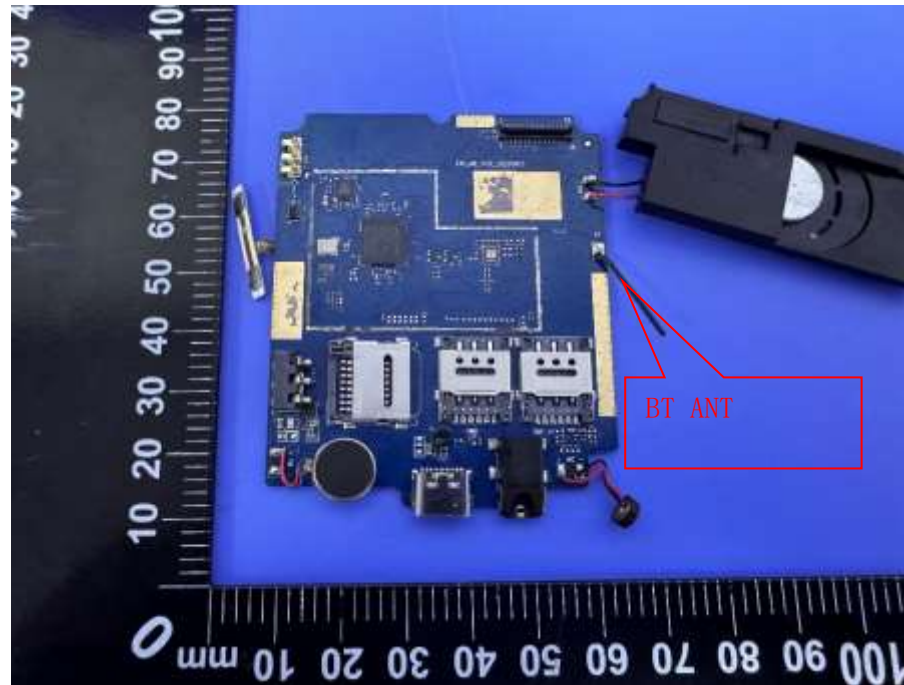
Version	Date	Debugging Overview
	2024-01-05	

GSM ANT



GSM ANT Wide=33mm Length=27mm

Bluetooth ant



BT ANT SIZE length: 20mm Wide=1mm

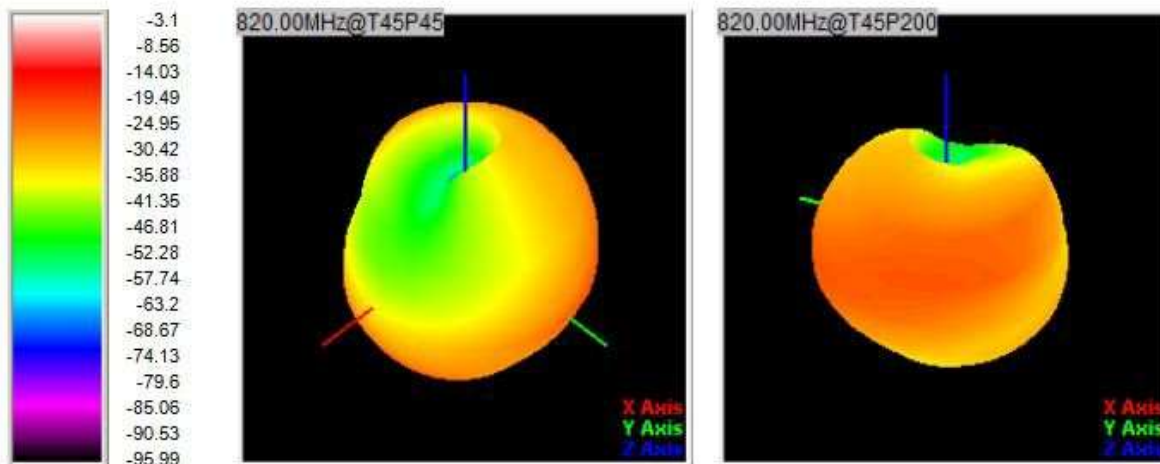
Frequency (MHz)	820.0	830.0	840.0	850.0	860.0	870.0	880.0	890.0	900.0	910.0	920.0	930.0	940.0	950.0	960.0
Efficiency (dB)	-5.57	-5.20	-4.90	-4.72	-4.89	-5.34	-6.00	-6.52	-7.31	-7.85	-8.45	-8.80	-9.15	-9.57	-10.23
Efficiency (%)	27.80	30.20	32.30	33.70	32.50	29.20	25.10	22.30	18.60	16.40	14.30	13.20	12.20	11.00	9.50
Gain (dBi)	-3.10	-2.69	-2.16	-1.94	-1.99	-2.26	-2.77	-3.44	-4.52	-5.24	-5.80	-6.08	-6.36	-6.82	-7.26
Frequency (MHz)	1710.0	1730.0	1750.0	1770.0	1790.0	1810.0	1830.0	1850.0	1870.0	1890.0	1910.0	1930.0	1950.0	1970.0	1990.0
Efficiency (dB)	-4.08	-3.93	-3.74	-3.95	-4.02	-4.16	-4.12	-4.07	-4.02	-4.82	-5.19	-5.61	-5.43	-5.53	-6.41
Efficiency (%)	39.10	40.50	42.30	40.20	39.60	38.40	38.80	39.10	39.60	33.00	30.30	27.50	28.60	28.00	22.90
Gain (dBi)	-0.16	-0.14	0.50	0.44	-0.19	-0.30	-0.11	-0.35	-0.37	-1.19	-1.21	-1.68	-1.52	-1.60	-2.34

Bluetooth

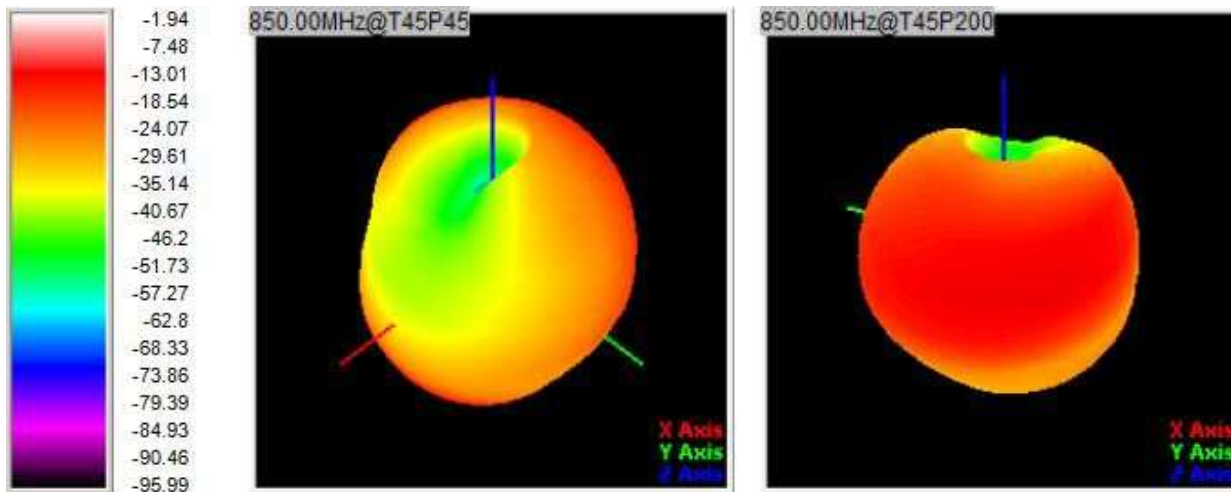
Frequency: 2402~2480 MHz

Antenna Gain: 0.5dBi

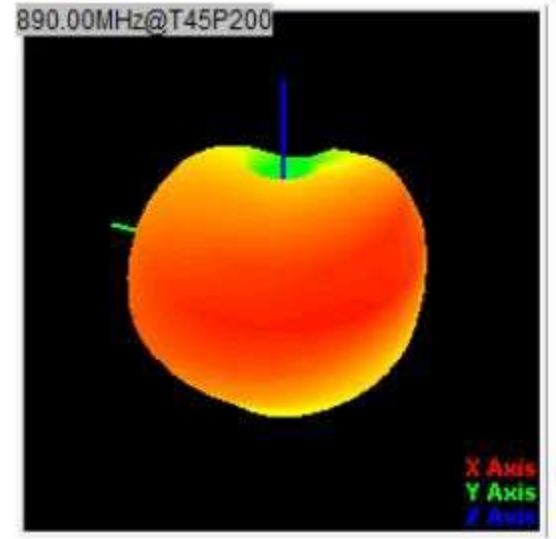
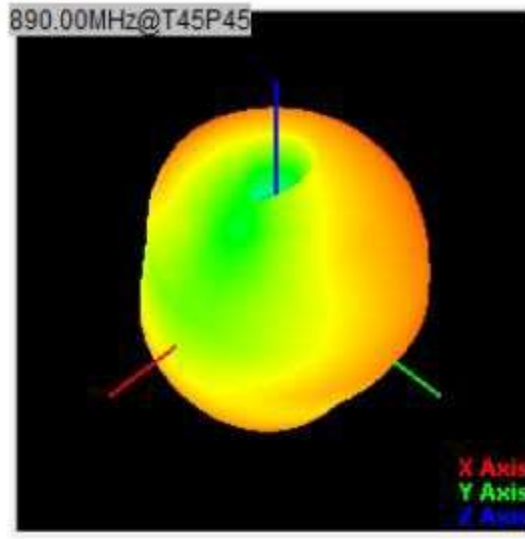
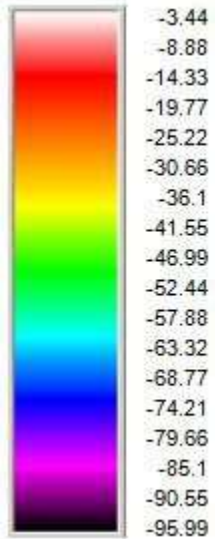
820.00MHz



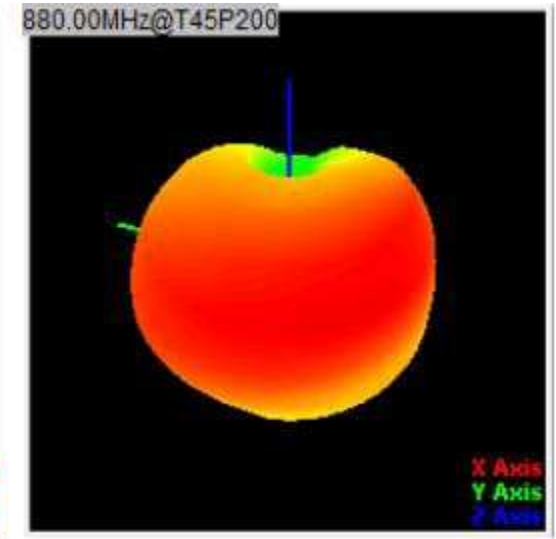
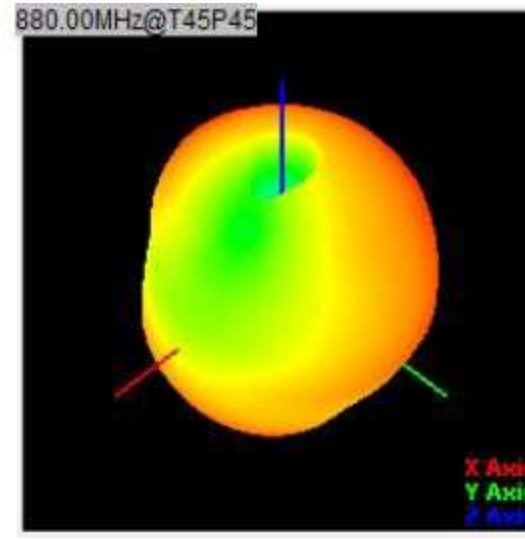
850.00MHz



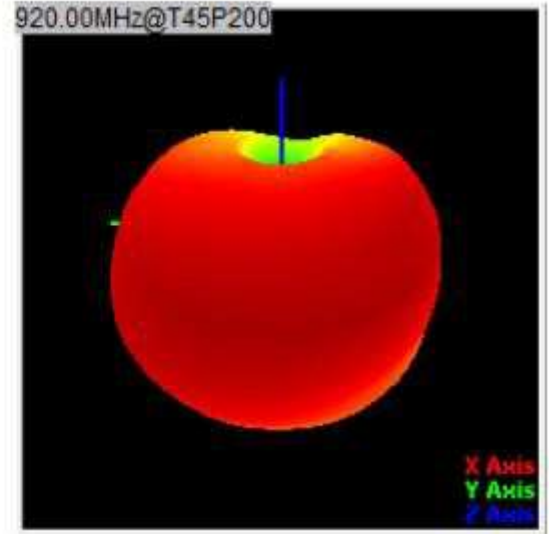
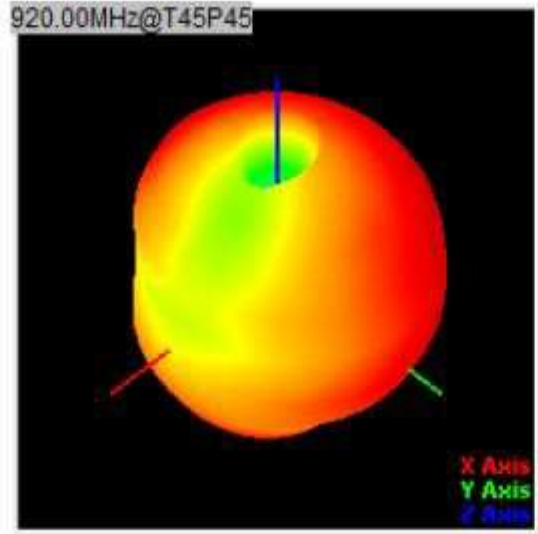
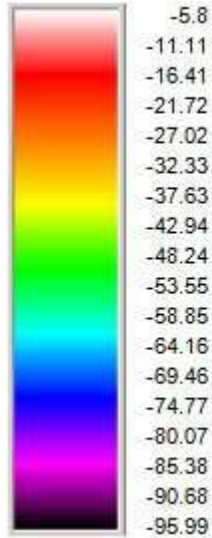
890.00MHz



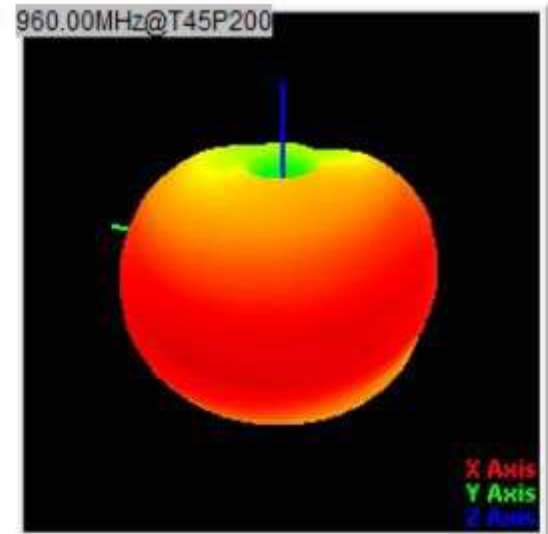
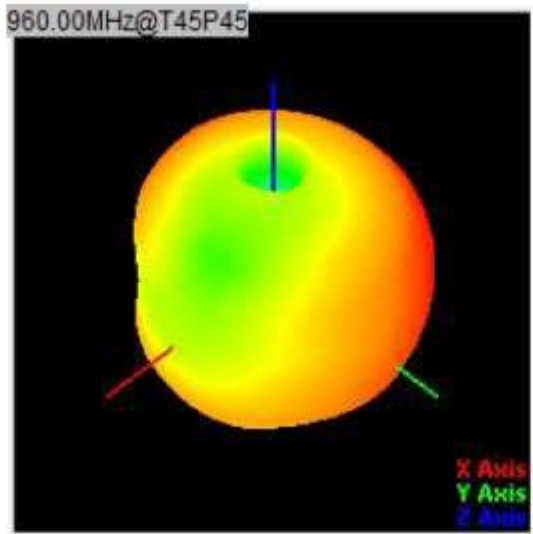
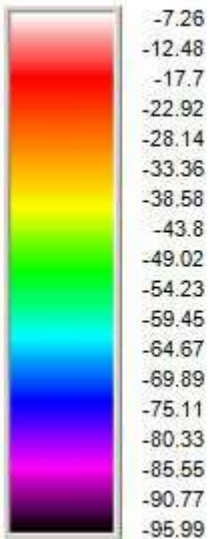
880.00MHz



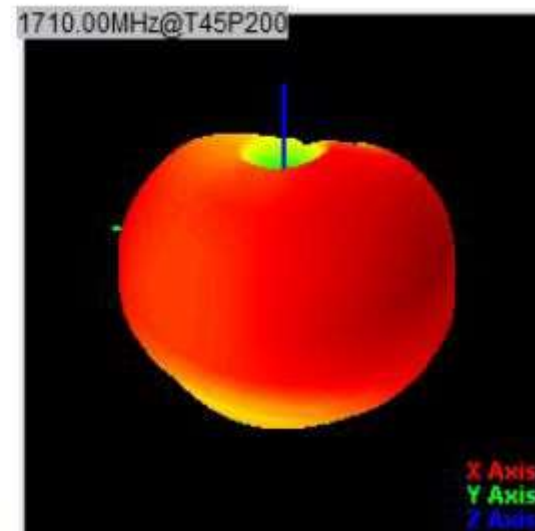
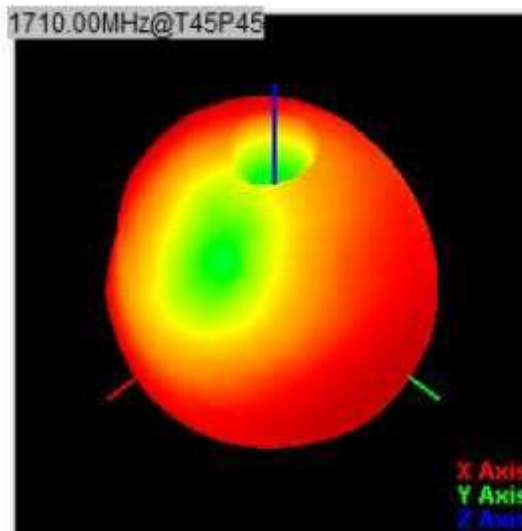
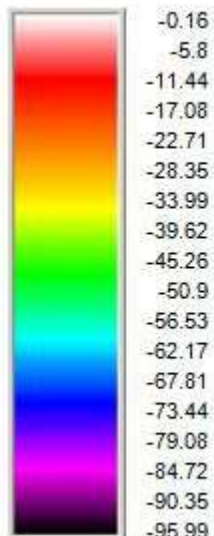
820.00MHz



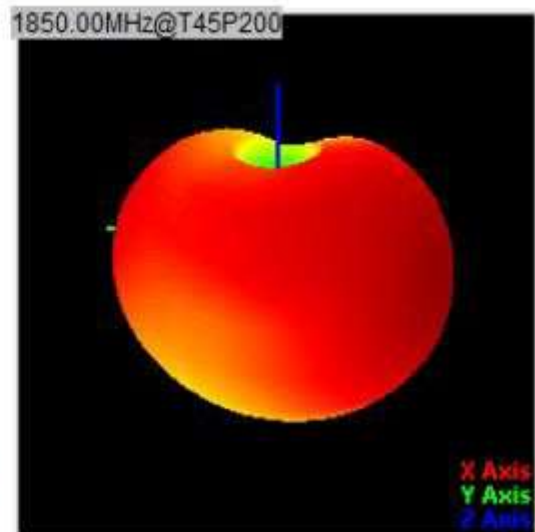
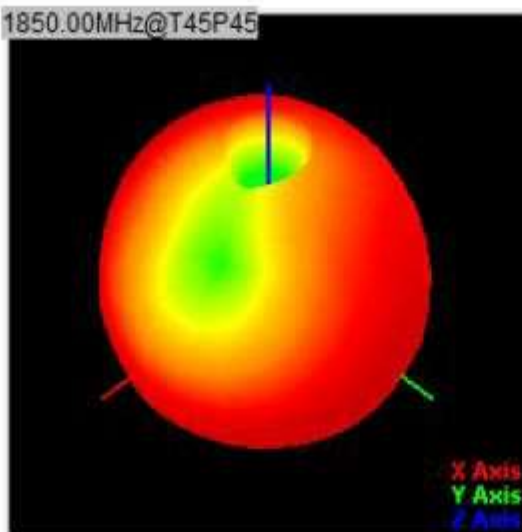
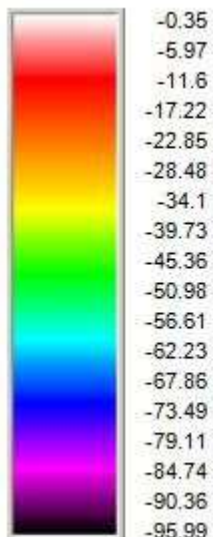
820.00MHz



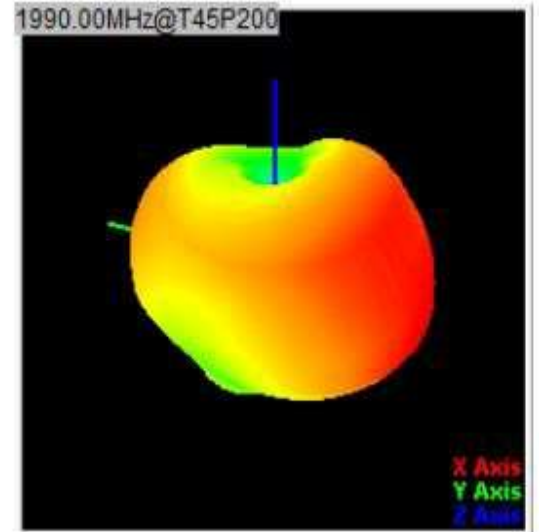
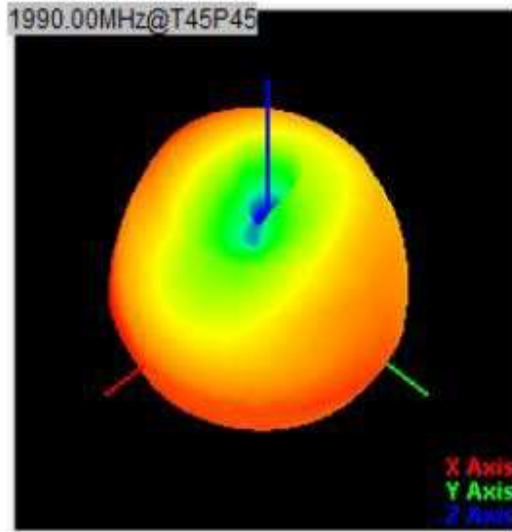
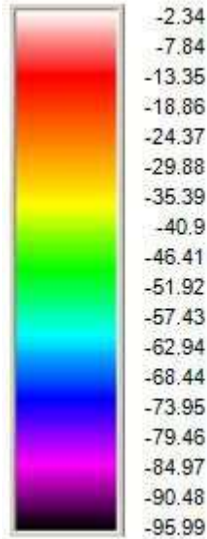
1710.00MHz



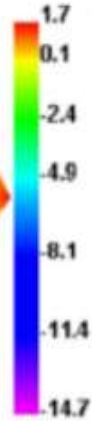
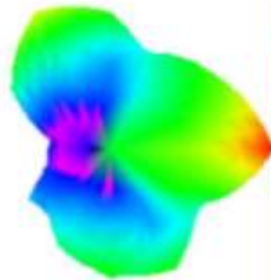
1850.00MHz



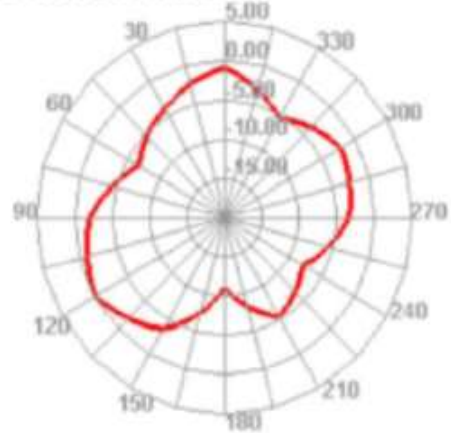
1990.00MHz



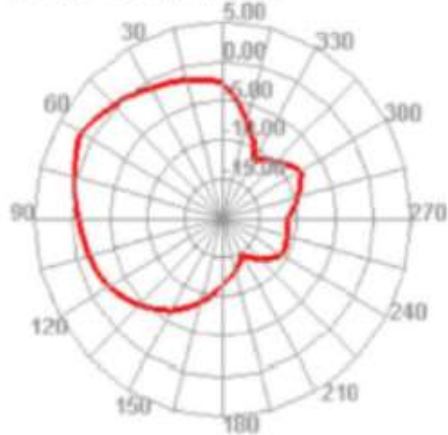
2400.000MHz



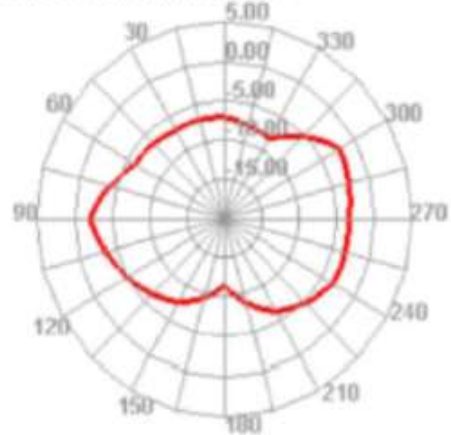
2400.000MHz H



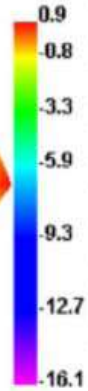
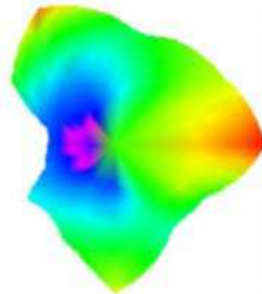
2400.000MHz E1



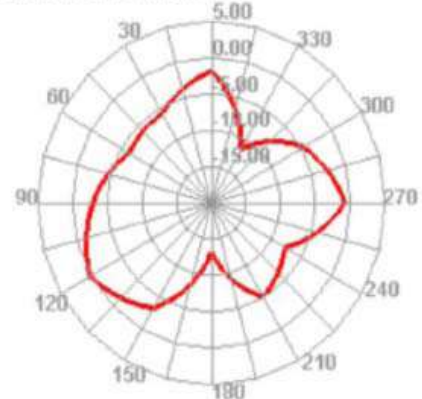
2400.000MHz E2



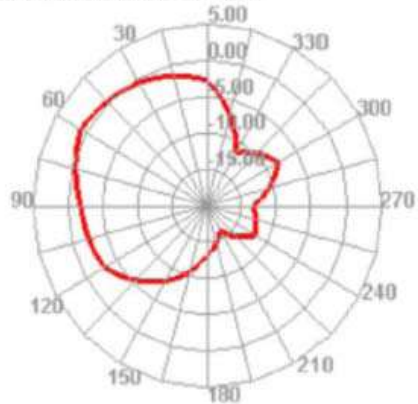
2450.000MHz



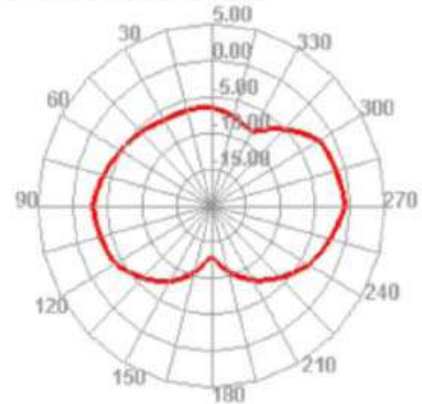
2450.000MHz H

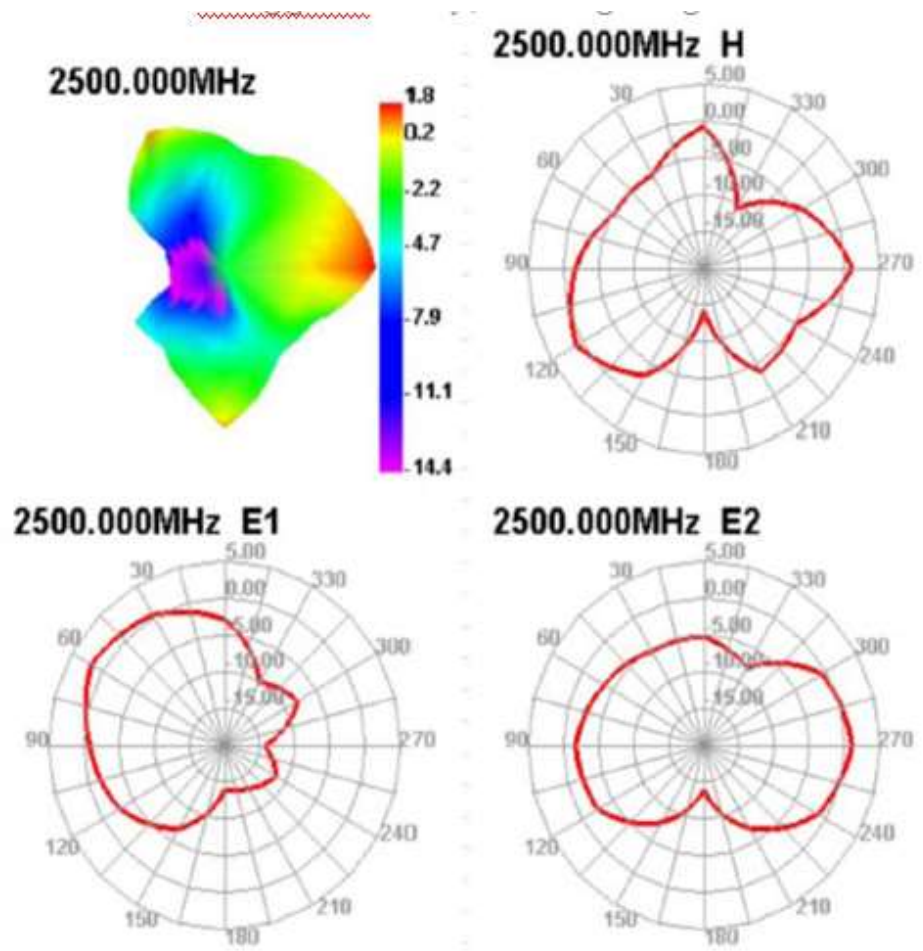


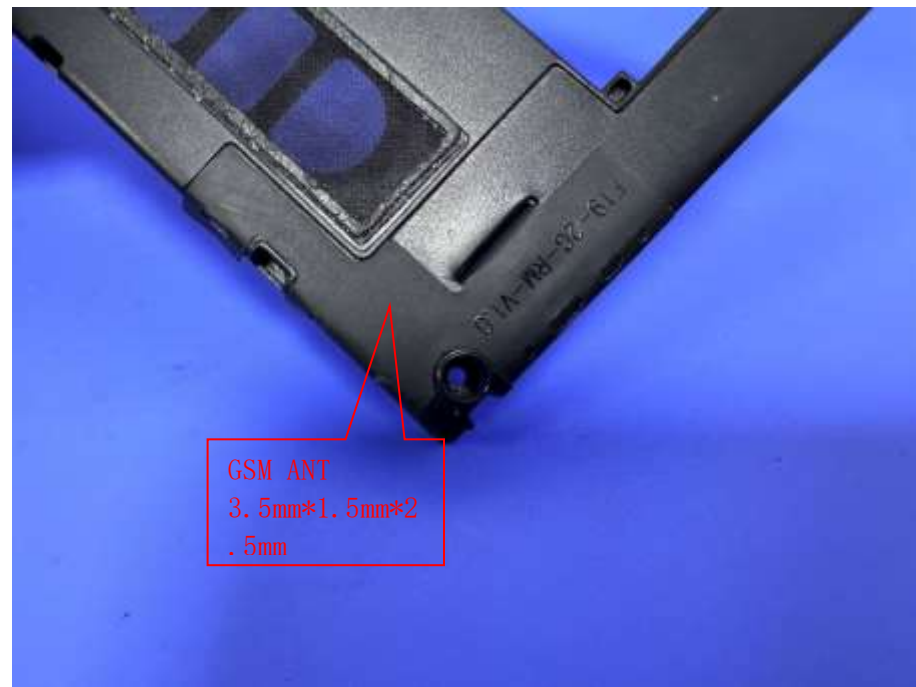
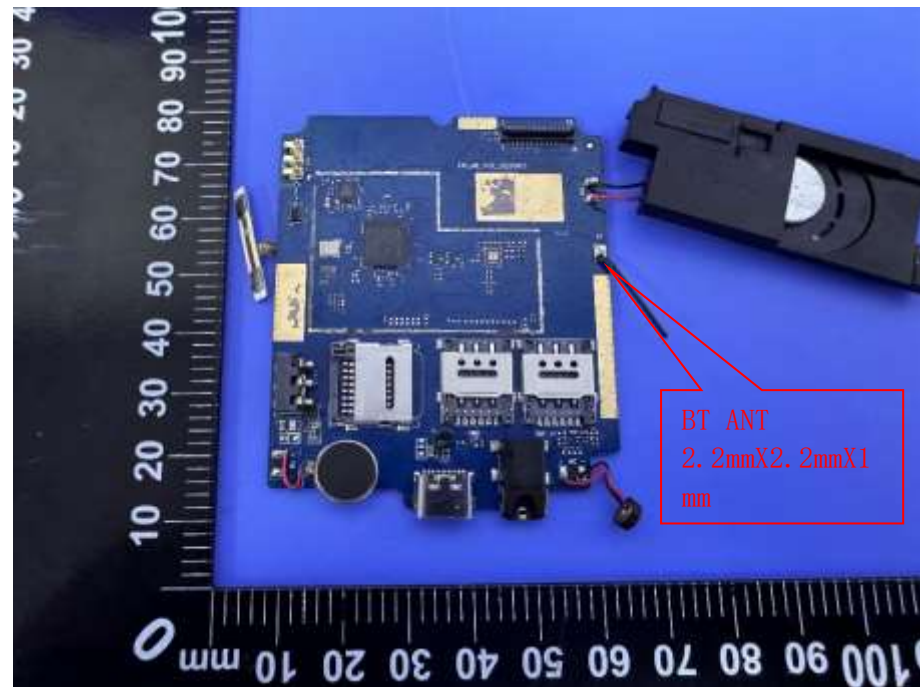
2450.000MHz E1



2450.000MHz E2









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