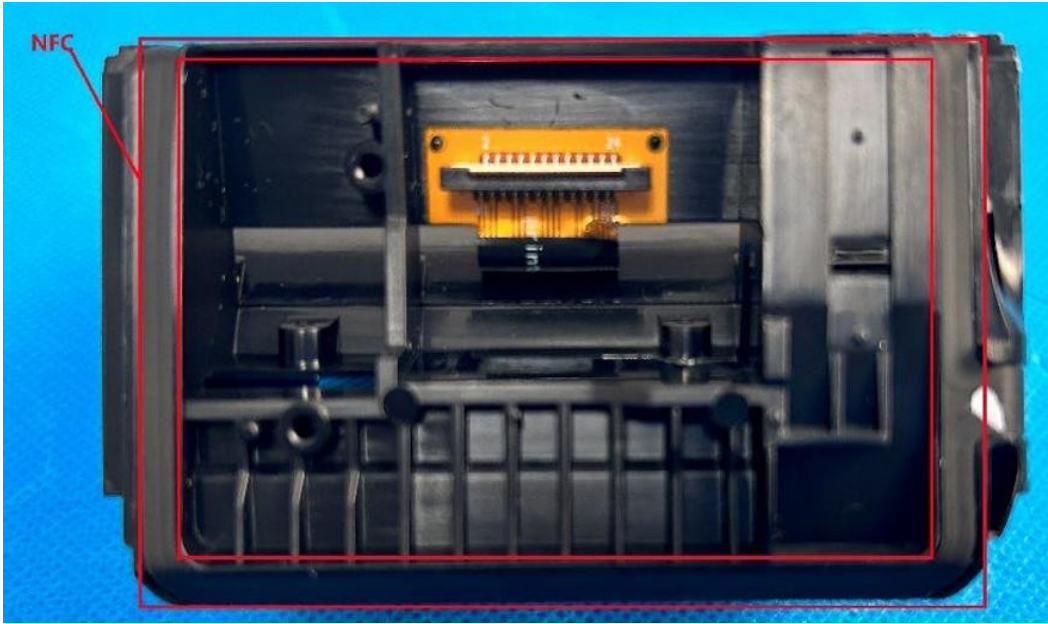


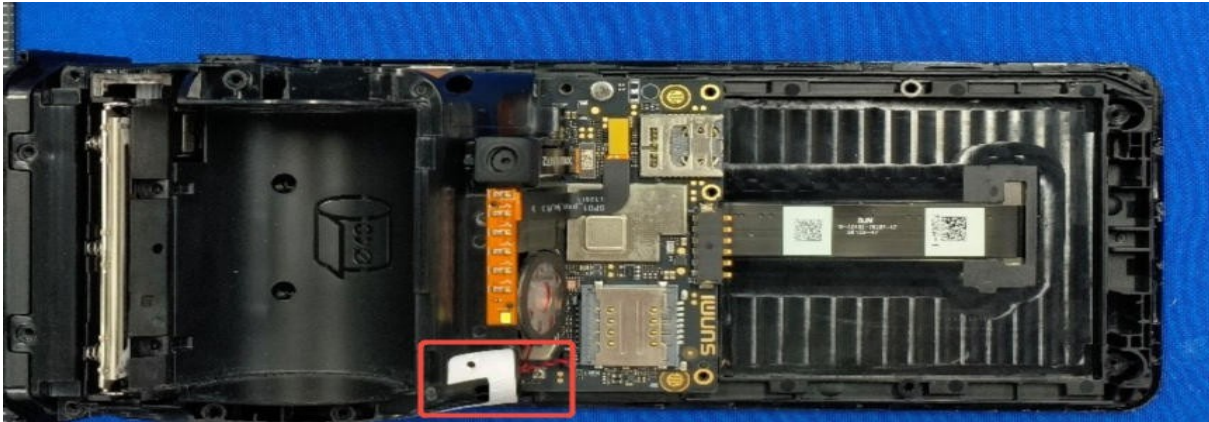
	Antenna Data Sheet				
Project Name	SP01	Engineer	lilei	Checker	
HW Version	DVT	Prototype(S/N)		Software Version	
Temperature/Humidity	25°C/50%	Test Equipment	OTA	Test Date	2024/7/4
Conclusion:		Remarks			
Manufacturer	Shanghai Sunmi Technology Co., Ltd.				
Manufacturer Address	Room 505,No.388,Song Hu Road,Yang Pu District,Shanghai,China				

NFC Antenna
Fixture Picture

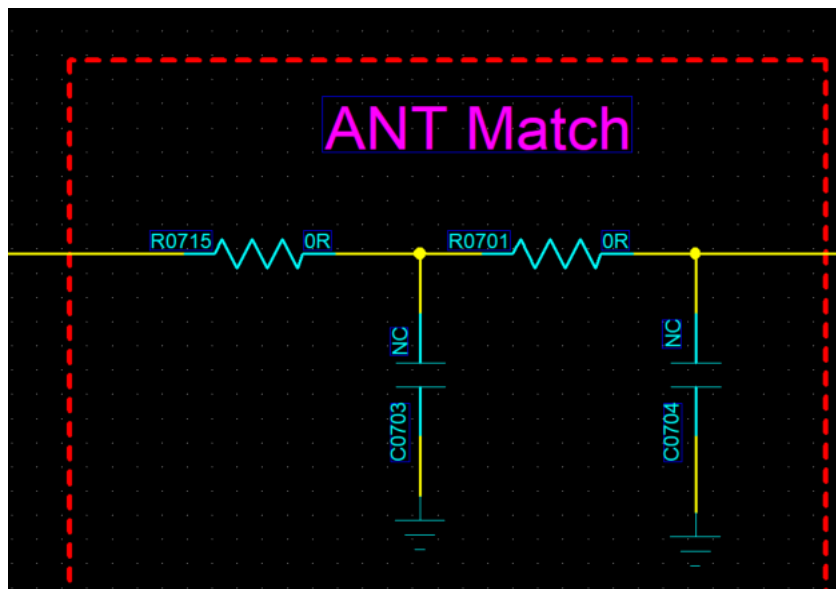


BT/WIFI/GNSS antenna

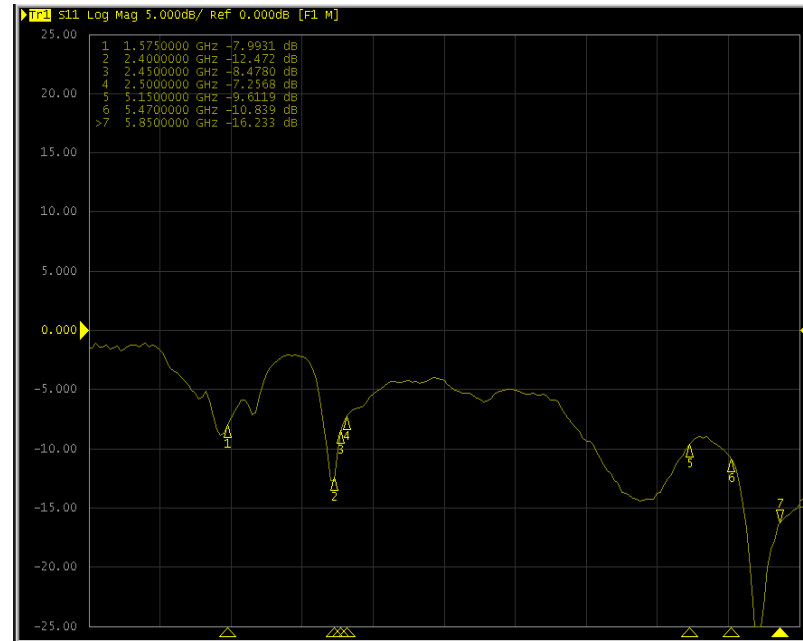
Fixture Picture



Matching Circuit、Switch Logic Schematic(CAD and Tag Number Diagram)



S Parameter (Return Loss, Smith)



Passive Performance (Efficiency, Gain)

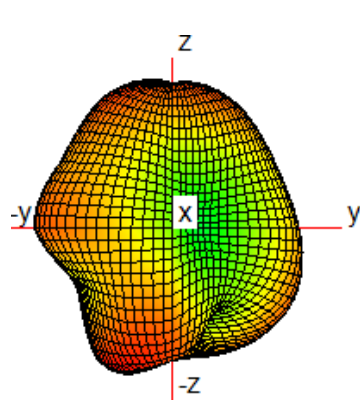
frequency (MHz)	Efficiency (dB)	Gain (dB)	Efficiency (%)
1520	-4.59	-1.69	39.90
1525	-4.54	-1.56	40.36
1530	-4.48	-1.44	40.93
1535	-4.46	-1.20	41.11
1540	-4.44	-1.01	41.30
1545	-4.47	-1.00	41.02
1550	-4.54	-0.97	40.36
1555	-4.63	-0.87	39.54
1560	-4.73	-0.91	38.64
1565	-4.84	-1.00	37.67
1570	-4.95	-1.04	36.73
1575	-5.11	-1.22	35.40
1580	-5.25	-1.35	34.28

1585	-5.35	-1.47	33.50
1590	-5.47	-1.61	32.58
1595	-5.63	-1.74	31.41
1600	-5.80	-1.90	30.20
1605	-6.00	-2.09	28.84
1610	-6.13	-2.25	27.99
1615	-6.29	-2.42	26.98
1620	-6.42	-2.51	26.18
1625	-6.50	-2.61	25.70
1630	-6.71	-2.88	24.49
1635	-6.87	-3.18	23.60
1640	-7.00	-3.19	22.91
1645	-7.14	-3.22	22.18
1650	-7.21	-3.15	21.83
2300	-6.29	0.38	23.48
2310	-5.94	0.72	25.47
2320	-5.60	0.87	27.51
2330	-5.29	1.04	29.58
2340	-4.94	1.21	32.08
2350	-4.59	1.28	34.73
2360	-4.24	1.47	37.69
2370	-4.01	1.67	39.72
2380	-4.03	1.77	39.53
2390	-4.00	1.86	39.81
2400	-3.96	2.02	40.14
2410	-3.97	2.19	40.08
2420	-4.03	2.21	39.54
2430	-4.25	2.20	37.57
2440	-4.48	2.14	35.69
2450	-4.70	2.00	33.92
2460	-4.97	1.81	31.87
2470	-5.09	1.90	31.01
2480	-5.20	1.88	30.17
2490	-5.39	1.65	28.89
2500	-5.27	1.85	29.70

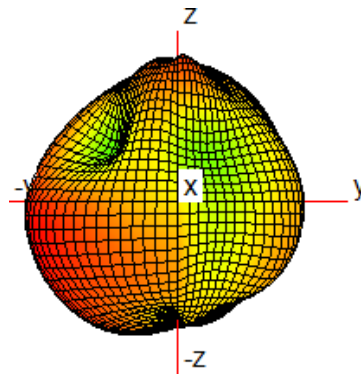
2510	-5.13	2.10	30.70
2520	-5.13	2.04	30.70
2530	-5.13	2.05	30.73
2540	-5.02	2.19	31.48
2550	-4.94	2.08	32.08
2560	-5.12	1.87	30.76
2570	-5.25	1.77	29.85
2580	-4.98	1.84	31.75
2590	-5.07	1.51	31.09
2600	-5.21	1.29	30.14
5000	-5.23	2.15	29.98
5020	-5.46	1.92	28.45
5040	-5.44	1.88	28.56
5060	-5.35	1.97	29.14
5080	-5.74	1.60	26.67
5100	-5.51	1.86	28.13
5120	-5.53	1.76	27.96
5140	-5.25	2.06	29.88
5160	-5.12	2.09	30.76
5180	-5.33	1.93	29.33
5200	-5.69	1.57	26.96
5220	-5.33	1.99	29.33
5240	-5.20	2.19	30.21
5260	-4.74	2.56	33.61
5280	-4.69	2.60	33.99
5300	-4.85	2.36	32.74
5320	-4.80	2.18	33.14
5340	-4.85	1.72	32.70
5360	-5.13	0.96	30.68
5380	-5.08	0.78	31.07
5400	-5.70	0.05	26.89
5420	-5.79	-0.15	26.37
5440	-5.47	0.04	28.38
5460	-5.84	-0.25	26.08
5480	-5.35	0.24	29.16

5500	-5.64	0.06	27.27
5520	-5.42	0.68	28.71
5540	-5.11	0.89	30.83
5560	-5.29	1.06	29.56
5580	-5.29	1.02	29.60
5600	-5.61	0.63	27.48
5620	-5.71	0.29	26.85
5640	-5.12	0.79	30.75
5660	-5.21	0.46	30.16
5680	-4.67	1.00	34.11
5700	-4.84	1.10	32.81
5720	-5.48	0.75	28.28
5740	-4.85	1.61	32.73
5760	-4.96	1.73	31.89
5780	-5.45	1.35	28.50
5800	-5.39	1.81	28.88
5820	-5.99	1.42	25.17
5840	-5.29	2.34	29.55
5860	-5.55	2.29	27.89
5880	-5.40	2.67	28.85
5900	-5.39	2.92	28.90
5920	-5.40	3.09	28.83
5940	-5.25	3.30	29.88
5960	-5.49	2.87	28.23
5980	-5.28	3.02	29.63
6000	-5.49	2.61	28.22

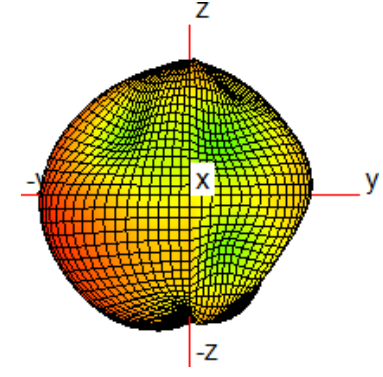
WIFI ANT 3D Pattern



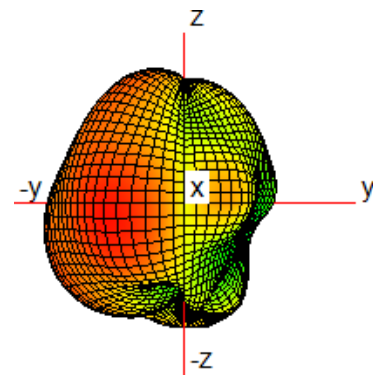
1575MHz



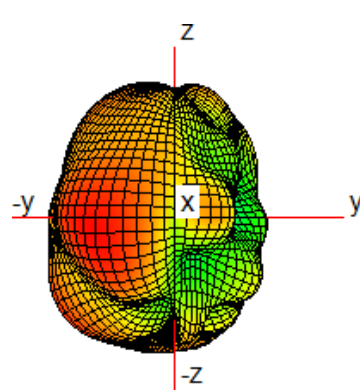
2400MHz



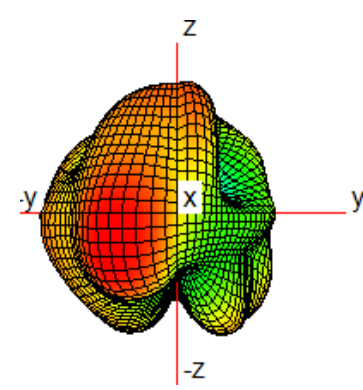
2500MHz



5150MHz



5470MHz



5850MHz