

MT578 WIFI2 Antenna catalogue

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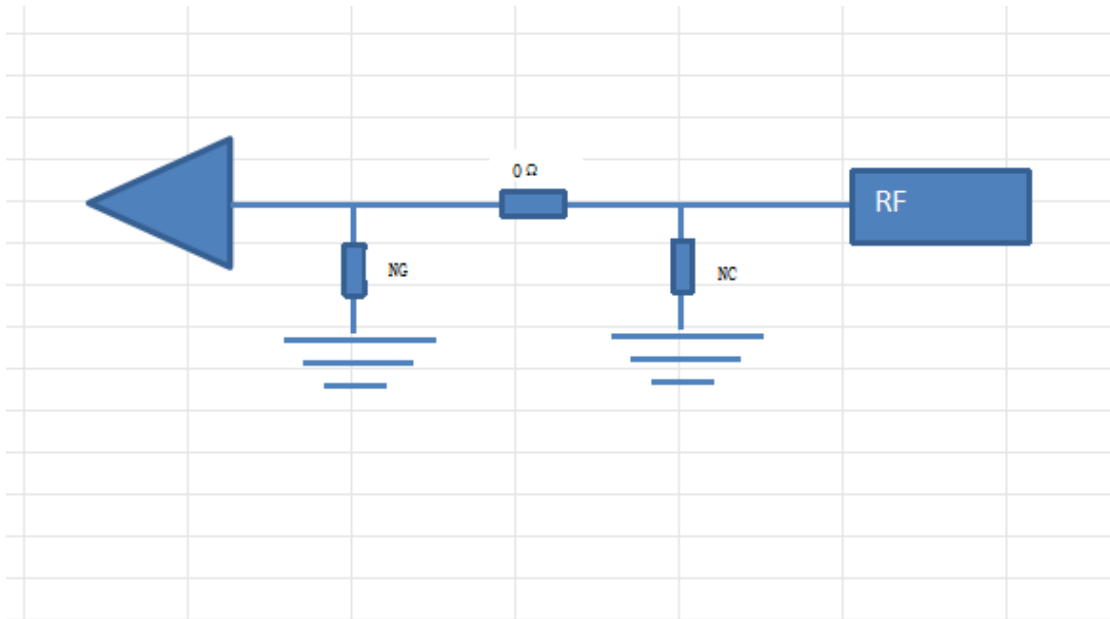
1. Project images



1. Testing fixtures

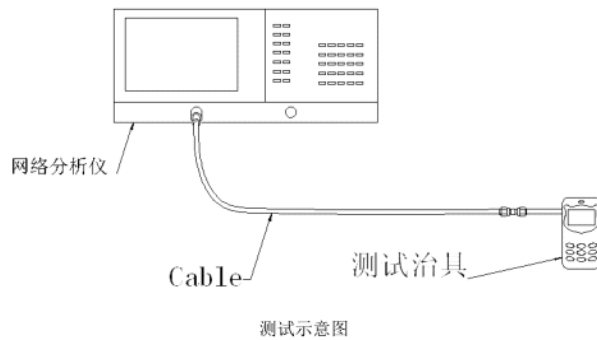


1. Matching



1. S11 test

4.0 S11 test method

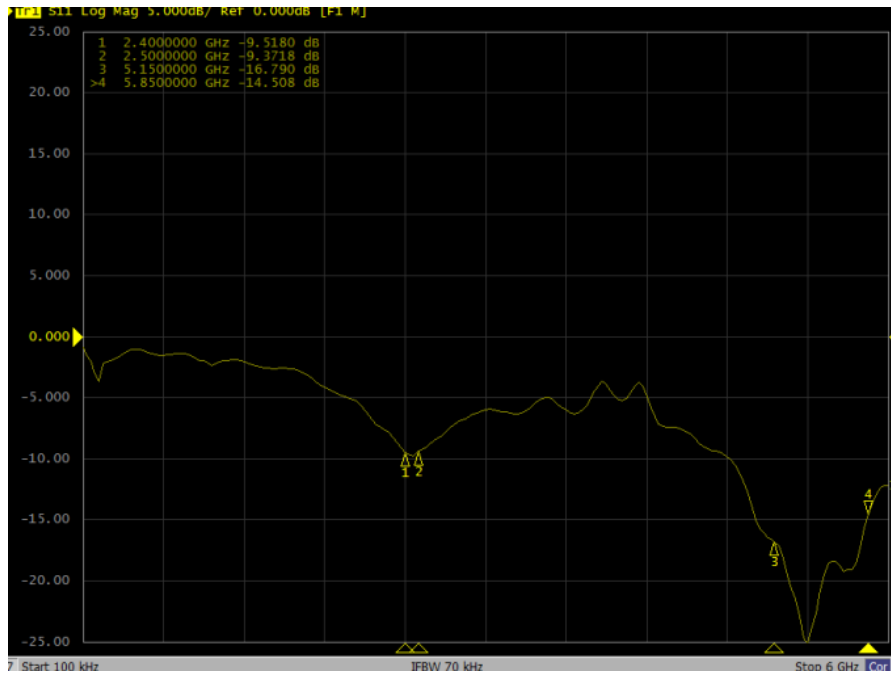


4.1 S11 parameter

frequency (MHZ)	2400	2500	5150	5850
RL	-9.51	-9.37	-16.7	-14.5

4.2 Parameter image

4.2.1 Return loss



5. Darkroom test data

5.0 Testing equipment

Testing equipment

Test system: shielded darkroom

Test environment: temperature $22\text{ }^{\circ}\text{C} \pm 3\text{ }^{\circ}\text{C}$, humidity $50\% \pm 15\%$

Test equipment: When testing passive data, use a network analyzer **Agilent 8753ES**

When testing active data, use a comprehensive tester **CMW**

500

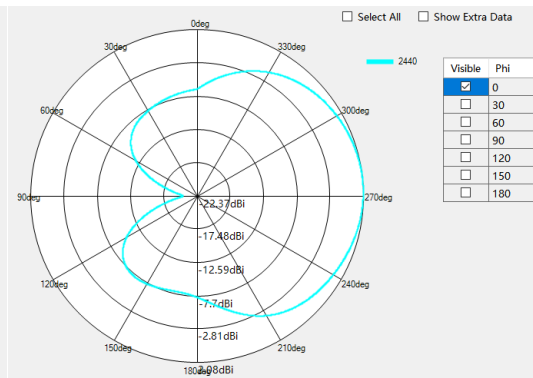
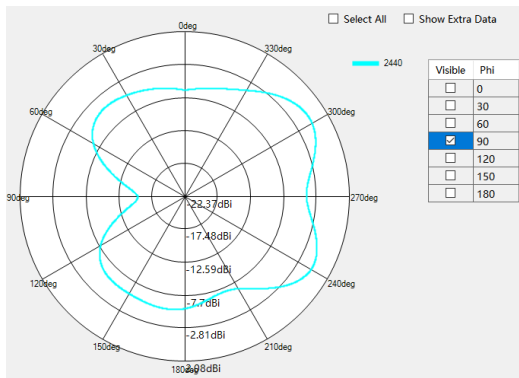
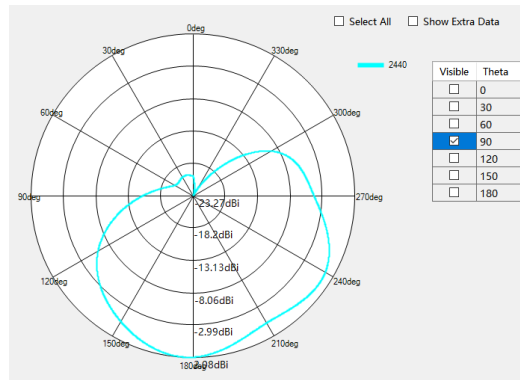
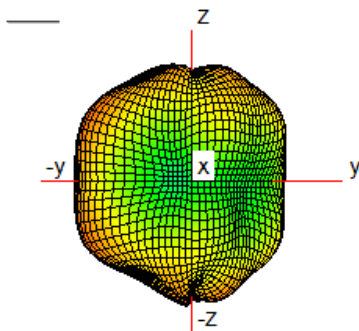
5.1 Passive data

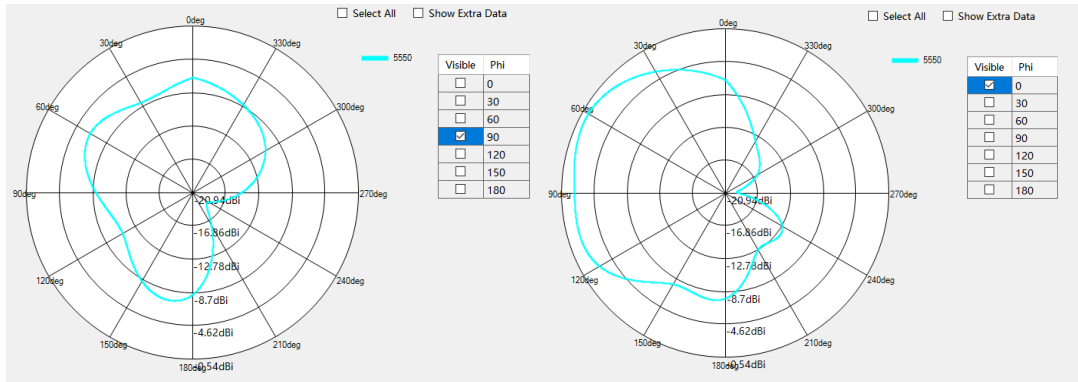
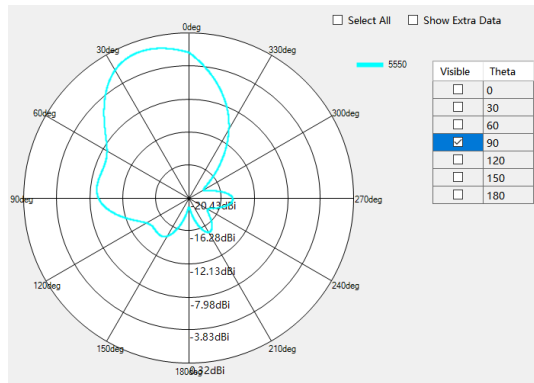
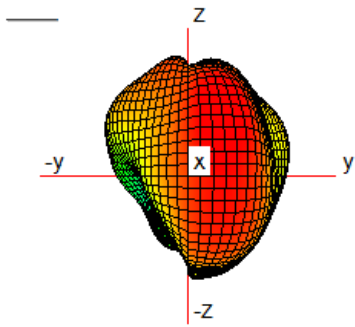
Frequency/Mhz	Efficiency / dB	Gain/dBi	Efficiency / %
2400	-4.66	0.08	34.22
2410	-4.43	0.38	36.05

2420	-4.31	0.48	37.1
2430	-4.25	0.51	37.55
2440	-4.19	0.52	38.14
2450	-4.28	0.36	37.37
2460	-4.34	0.22	36.86
2470	-4.3	-0.02	37.16
2480	-4.32	-0.27	36.99
2490	-4.44	-0.53	35.99
2500	-4.48	-0.89	35.64
2510	-4.44	-1.01	35.94
2520	-4.49	-1.26	35.54
2530	-4.61	-1.63	34.61
2540	-4.55	-1.64	35.11
2550	-4.68	-1.81	34.02
2560	-4.92	-1.93	32.23
2570	-5.08	-1.91	31.02
2580	-5.07	-1.82	31.12
2590	-5.18	-1.76	30.36
2600	-5.54	-2.05	27.95
5000	-5.65	1.49	27.22
5020	-5.67	1.46	27.12
5040	-5.63	1.54	27.37
5060	-5.36	1.63	29.1
5080	-5.71	1.45	26.86
5100	-5.65	2	27.21
5120	-5.82	2.15	26.16
5140	-5.67	2.61	27.11
5160	-5.64	2.81	27.31
5180	-5.89	2.74	25.78
5200	-6.33	2.21	23.3
5220	-5.99	2.43	25.21
5240	-5.91	2.75	25.62
5260	-5.6	2.05	27.52
5280	-5.53	2.37	27.99
5300	-5.51	2.38	28.13
5320	-5.3	2.53	29.54
5340	-5.24	2.59	29.91
5360	-5.49	2.31	28.25
5380	-5.43	2.33	28.65
5400	-5.89	2.6	25.79
5420	-5.85	2.83	26
5440	-5.23	2.01	30
5460	-5.31	2.84	29.46
5480	-4.68	2.08	34.04
5500	-5.1	2.46	30.91
5520	-4.91	2.62	32.28
5540	-4.85	2.32	32.73
5560	-5.27	2.31	29.69
5580	-5.16	2.67	30.49
5600	-5.75	2.22	26.6
5620	-5.71	1.99	26.87
5640	-5	2.58	31.59

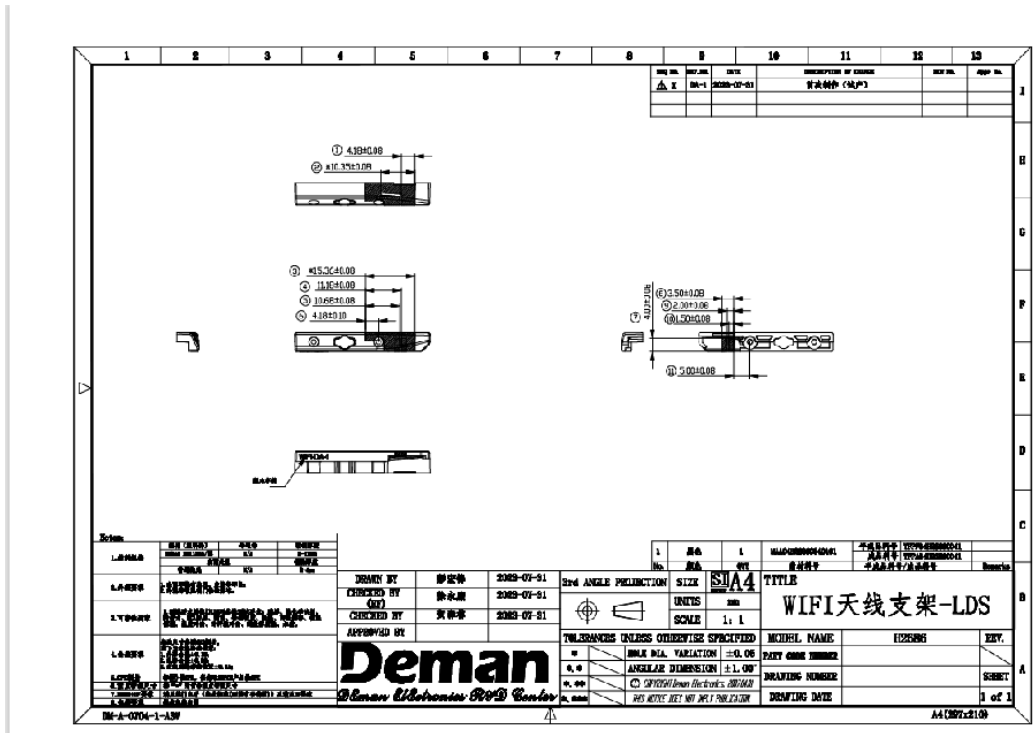
5660	-5.11	2.43	30.84
5680	-4.5	2.6	35.45
5700	-4.52	2.38	35.31
5720	-5.18	1.49	30.35
5740	-4.65	2.64	34.26
5760	-4.66	2.89	34.17
5780	-5.11	2.69	30.82
5800	-5.1	2.71	30.9
5820	-5.54	2.2	27.96
5840	-4.85	2.63	32.72
5860	-5.25	2.31	29.85
5880	-5.2	2.68	30.23
5900	-5.12	2.94	30.78
5920	-5.29	2.12	29.57
5940	-5.12	2.43	30.76
5960	-5.37	2.19	29.03
5980	-5.19	2.18	30.26
6000	-5.35	2.76	29.19

5.2 3D map/directional map





6. drawing



Manufacturer: Shenzhen Deman Electronics Co.,LTD.

Manufacturer address: Shunluo Industrial Park, No. 1 Fengtai Road, Tangxia

Town, Dongguan City, Guangdong

Model name: WIFI-DA-1