

MT568 ANT1 Antenna

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1. Project pictures



1. Test Fixture

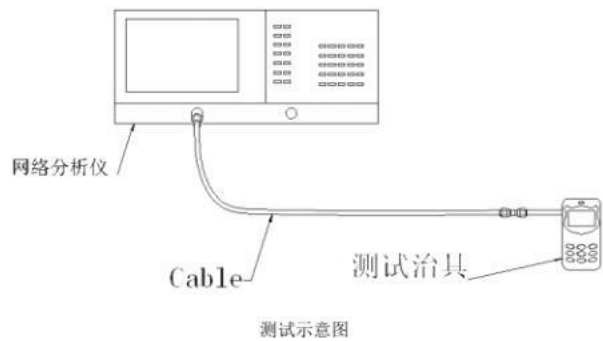


1. Matching Circuit

No changes

1. S11 Test

4.0 S11 Test Methods



4.1 S11 Parameters

频率 (MHZ)	2400	2500	5150	5500	5850
RL	-14.6	-20.7	-10.5	-11.9	-9.2

4.2 Parameter Picture

4.2.1 Return loss



5. Darkroom Test Data

5.0 Test Equipment

Test Equipment

Test system: shielded dark room

Test system: shielded dark room

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

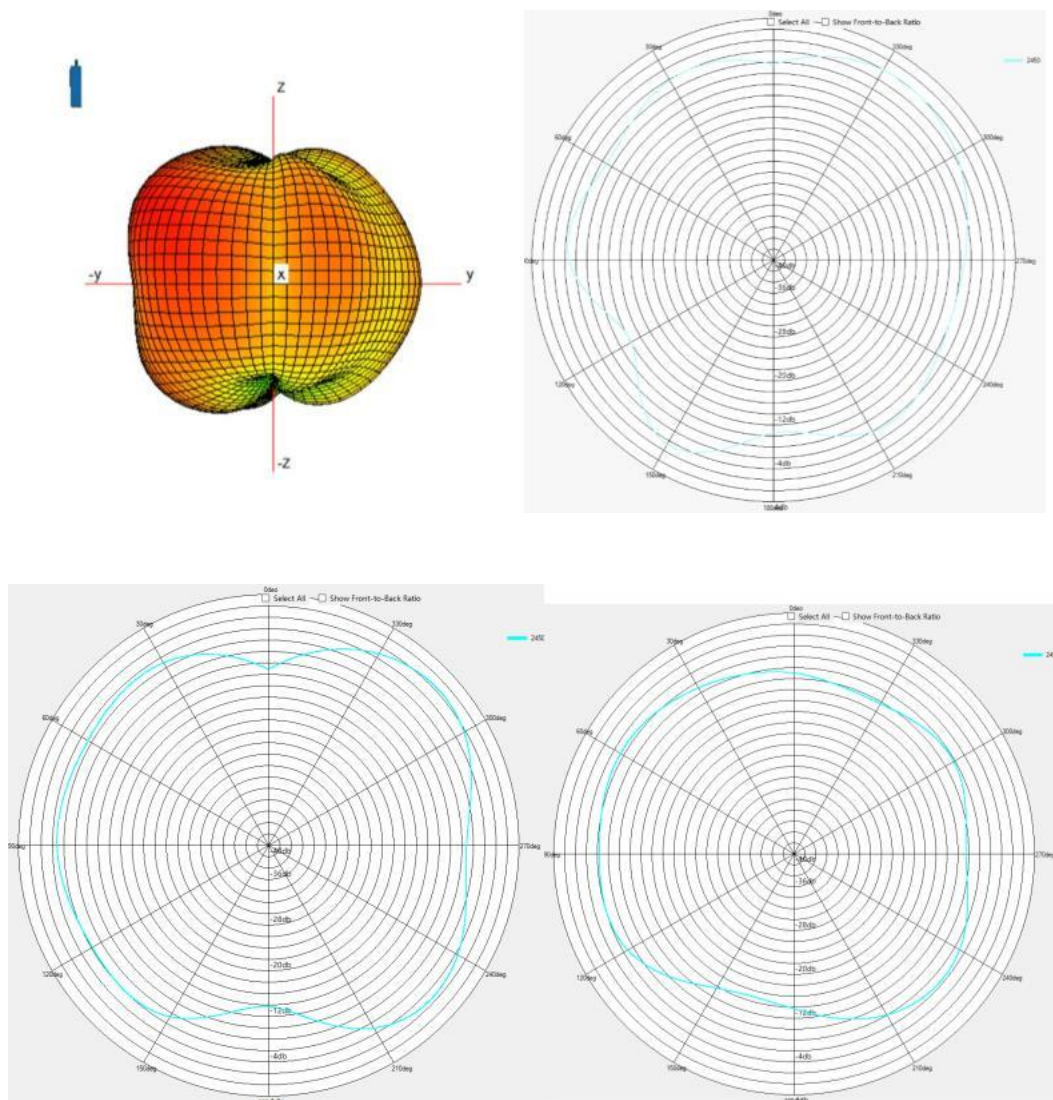
Test Equipment: when testing passive data, use a network analyzer Agilent 8753ES, when testing active data, use a comprehensive tester ZCT WTE100

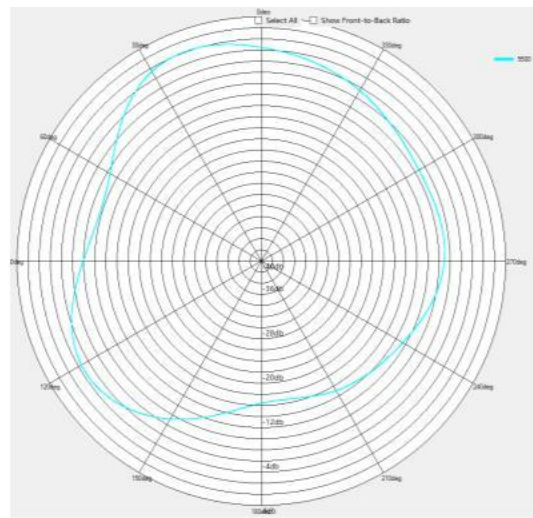
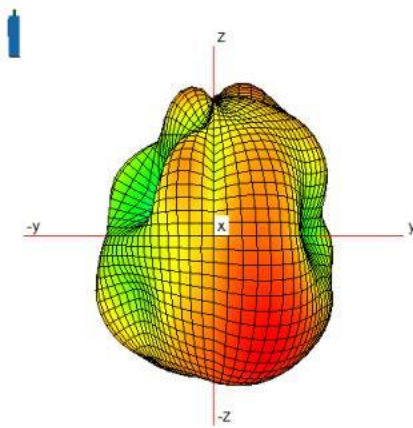
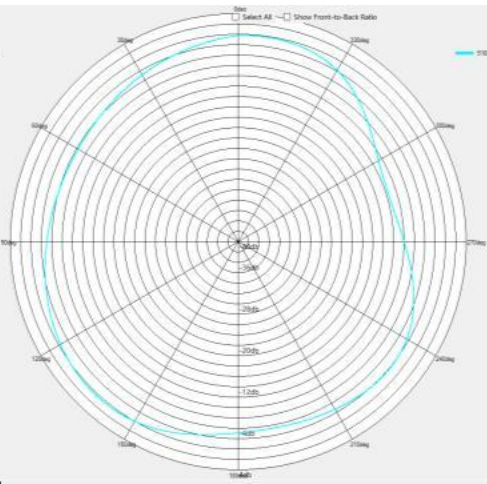
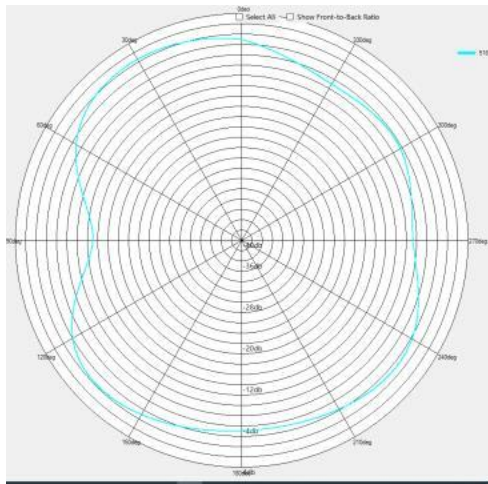
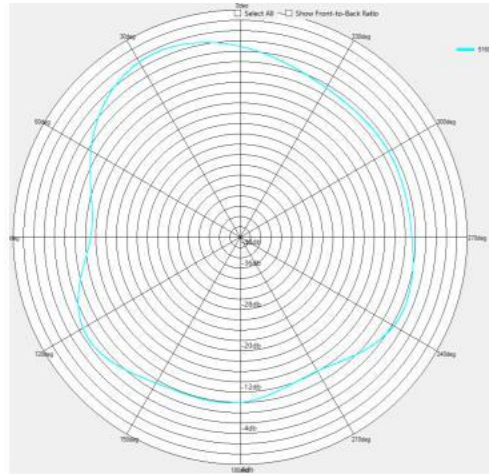
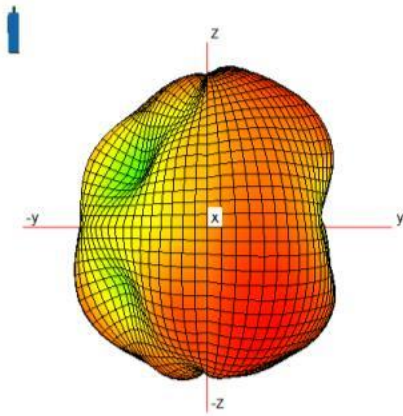
5.1 Passive Data

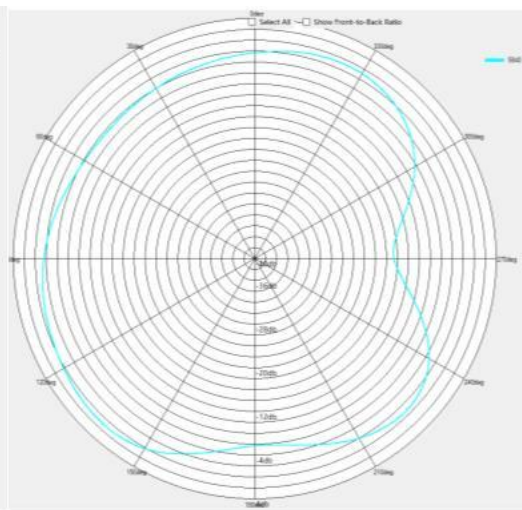
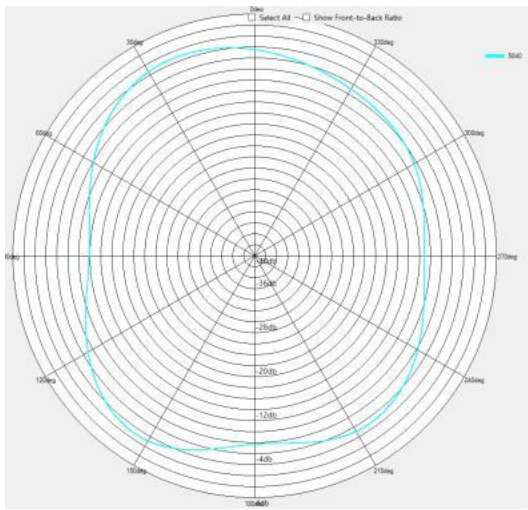
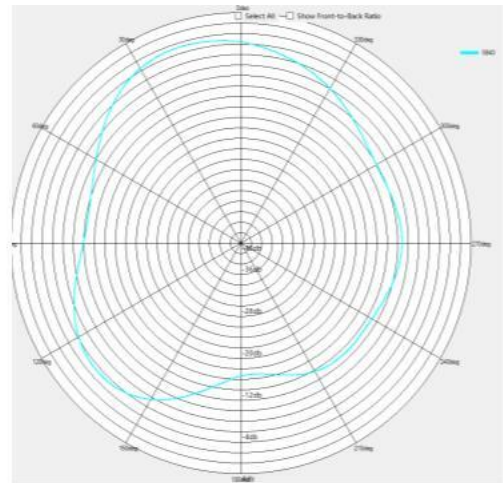
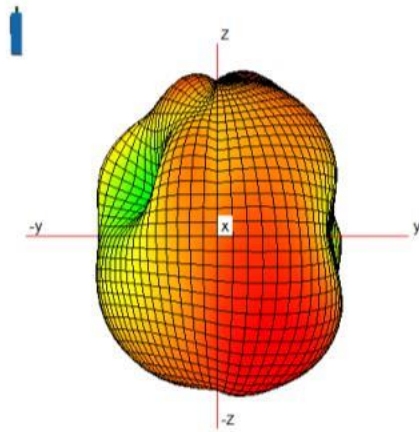
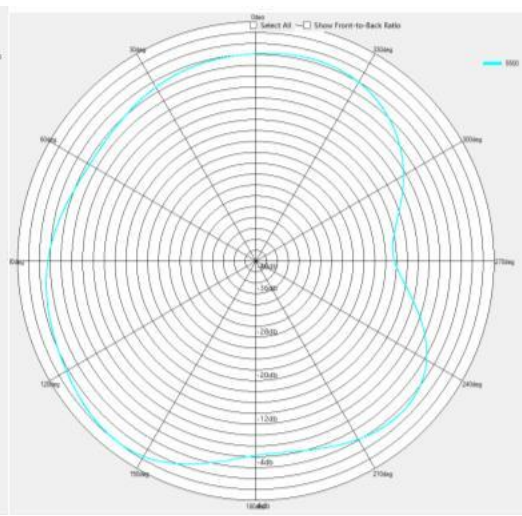
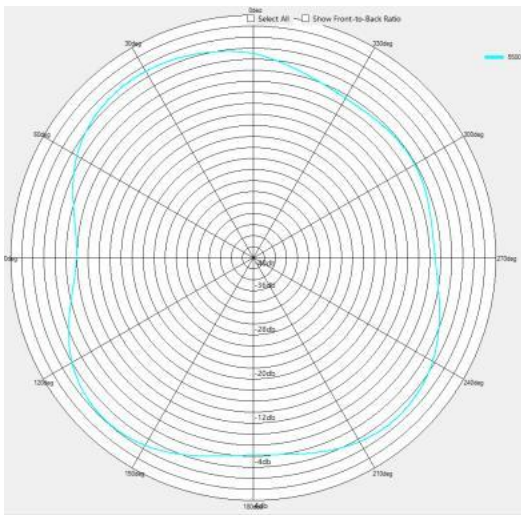
Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi	AvgGain/dBi
2400	-2.8	52.8	1.5	-2.8
2410	-2.6	54.6	1.8	-2.6
2420	-2.6	54.9	1.8	-2.6
2430	-2.7	54.2	1.7	-2.7
2440	-2.6	55.5	2	-2.6
2450	-2.7	54.3	2	-2.7
2460	-2.8	52.8	1.9	-2.8
2470	-2.7	53.4	1.9	-2.7
2480	-2.7	54.1	1.9	-2.7
2490	-2.7	53.2	2	-2.7
2500	-2.8	53.1	2	-2.8
5150	-3.4	46.2	1.5	-3.4
5170	-3.2	48.1	1.6	-3.2
5190	-3.3	46.8	1.7	-3.3
5210	-3.6	43.4	1.5	-3.6
5230	-3.2	47.6	2	-3.2
5250	-3.1	48.7	2.2	-3.1
5270	-2.8	52.5	2.5	-2.8
5290	-2.8	53.1	2.9	-2.8
5310	-2.8	52.3	3.2	-2.8
5330	-2.7	54.2	3.4	-2.7
5350	-2.7	54	3	-2.7
5370	-2.9	51	2.4	-2.9
5390	-2.9	51.3	2.4	-2.9
5410	-3.4	45.9	2.2	-3.4
5430	-3.4	45.8	2.3	-3.4
5450	-2.9	50.9	2.9	-2.9
5470	-3.1	48.5	2.8	-3.1
5490	-2.6	54.8	3.6	-2.6

5510	-3	49.9	3.2	-3
5530	-2.9	51.4	3.3	-2.9
5550	-2.9	51.2	3.3	-2.9
5570	-3.4	46.1	3.1	-3.4
5590	-3.4	46.2	2.9	-3.4
5610	-4	39.8	2	-4
5630	-4.1	38.6	1.9	-4.1
5650	-3.7	42.6	2.2	-3.7
5670	-4	39.8	1.7	-4
5690	-3.6	43.7	2.2	-3.6
5710	-3.7	43.1	2.5	-3.7
5730	-4.3	37.1	1.7	-4.3
5750	-3.8	41.3	1.8	-3.8
5770	-3.9	41.2	2.1	-3.9
5790	-4.5	35.5	1.5	-4.5
5810	-4.4	36.4	1.9	-4.4
5830	-4.9	32.2	1.2	-4.9
5850	-4.3	37.3	1.6	-4.3

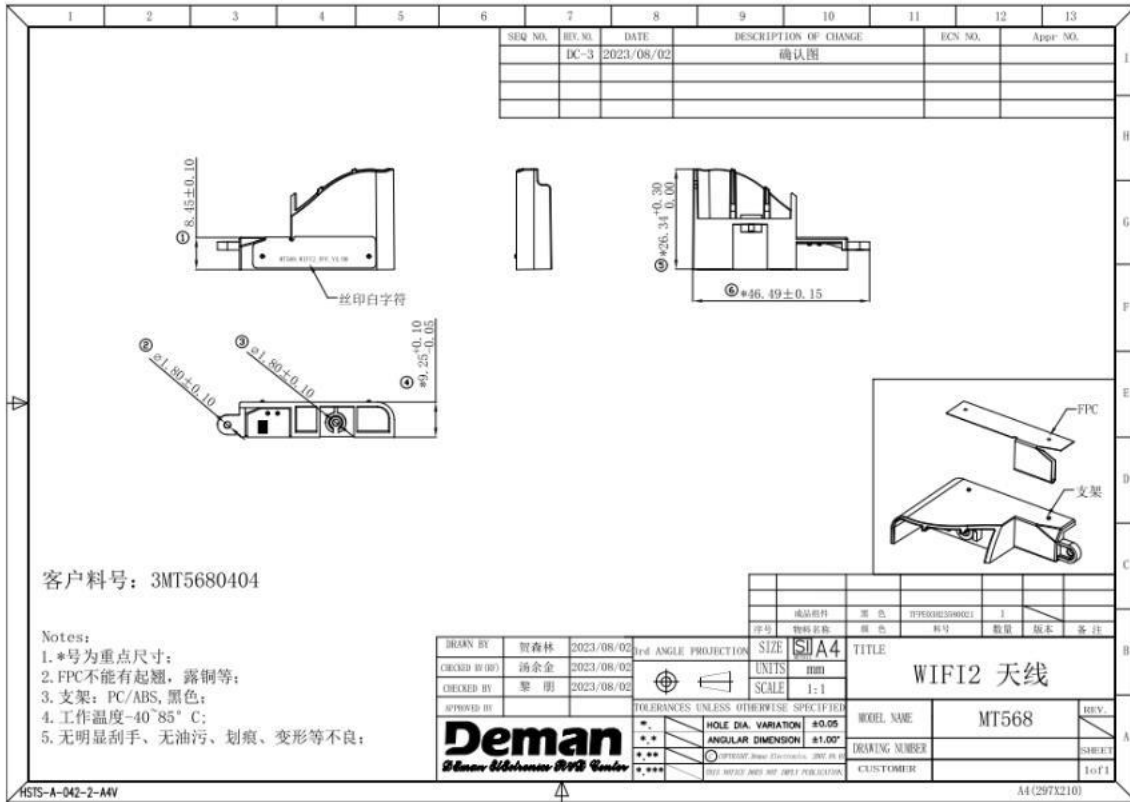
5.2 3D Nap/Orientation Map







6. Drawing



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天线名称	MT568_WIFI2_FPC_V4.00
天线型号	FPC-H2358-WIFI2 Antenna (finished product) black
天线料号	TFPA03H23580021