

MT568 ANT0 Antenna

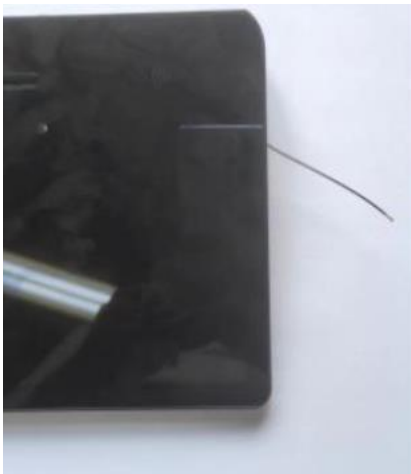
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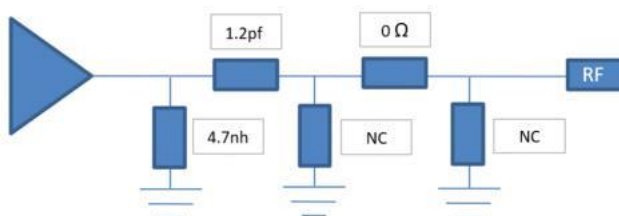
1. Project pictures



1. Test Fixture

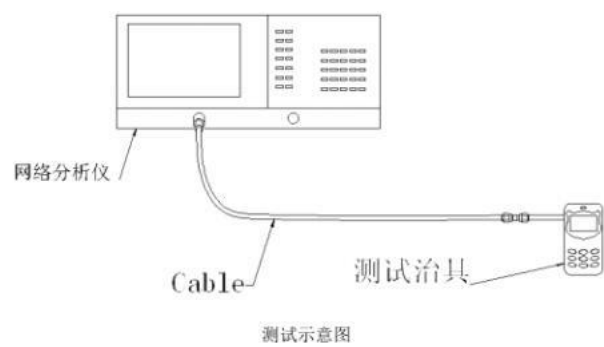


1. Matching Circuit



1. S11 Test

4.0 S11 Test Methods



4.1 S11 Parameters

频率 (MHZ)	2400	2500	5150	5500	5850
RL	-9.6	-15.9	-7.8	-12.7	-11.6

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 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**

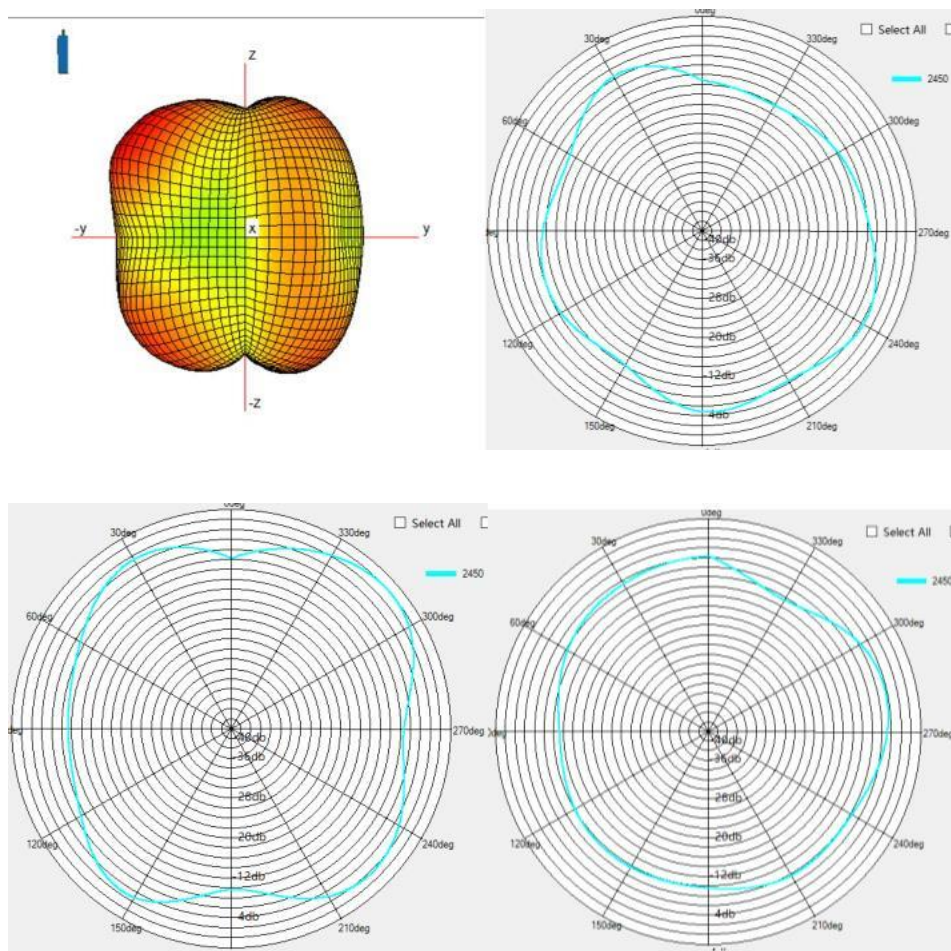
5.1 Passive Data

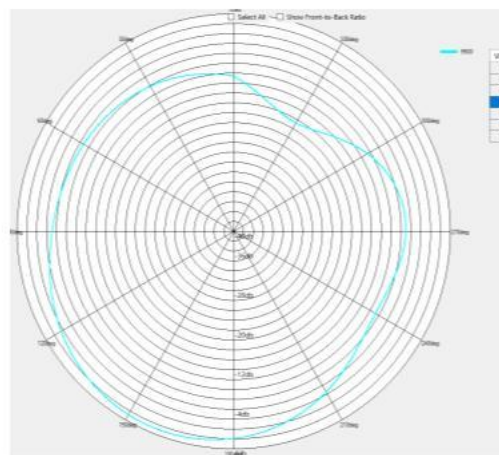
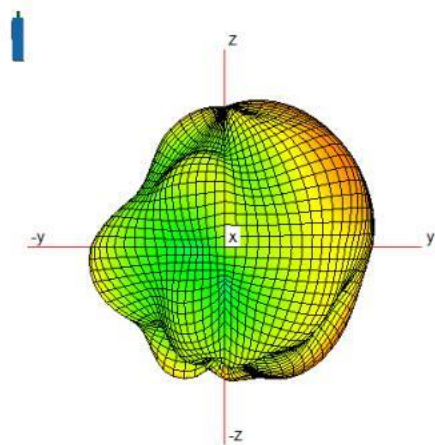
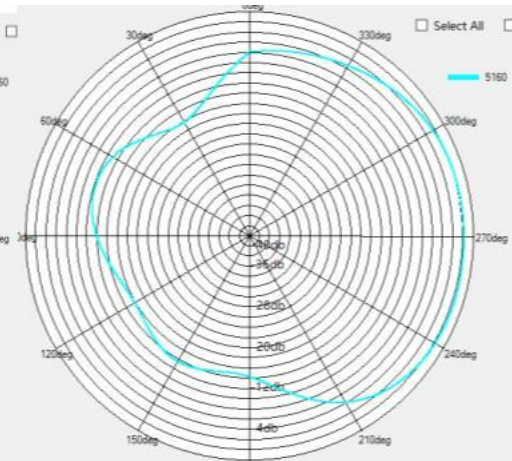
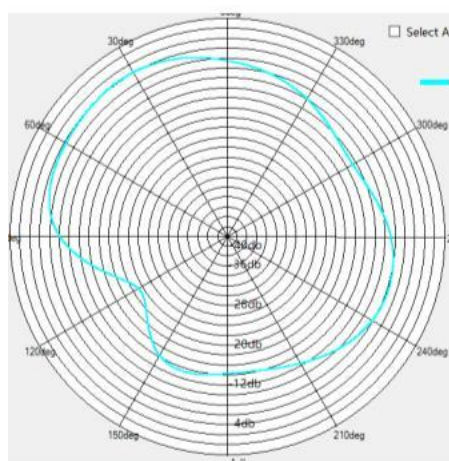
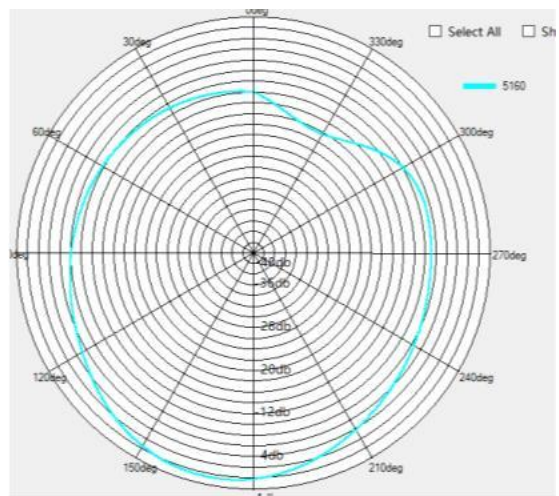
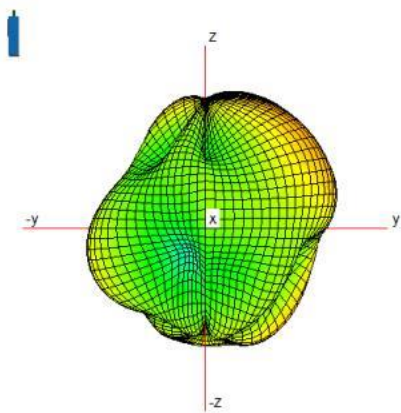
Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi	AvgGain/dBi
2400	-3.7	43.1	1	-3.7

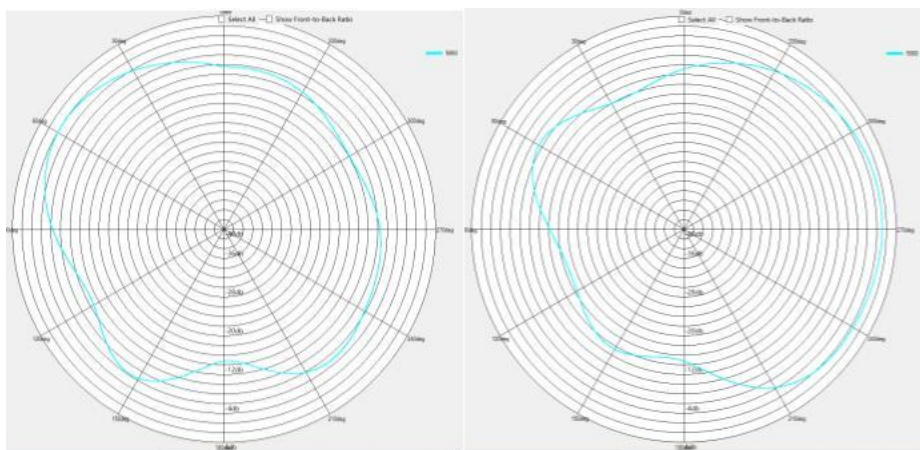
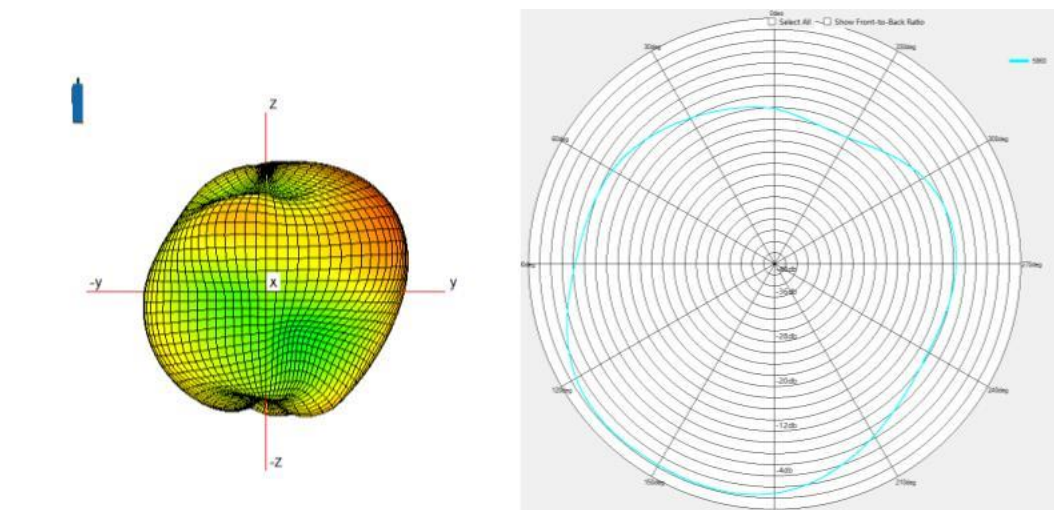
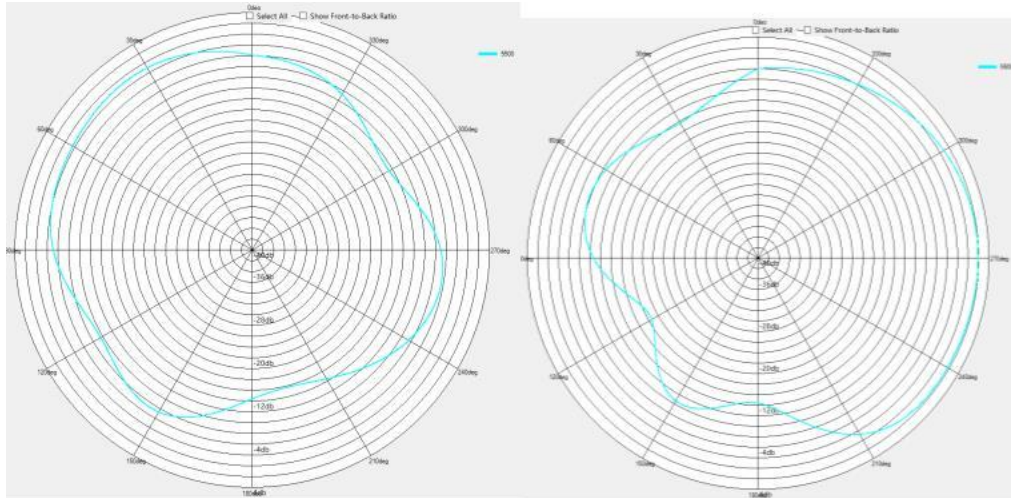
2410	-3.6	43.8	1.2	-3.6
2420	-3.6	43.9	1.3	-3.6
2430	-3.6	43.3	1.3	-3.6
2440	-3.6	44.1	1.4	-3.6
2450	-3.7	43	1.3	-3.7
2460	-3.8	41.9	1.3	-3.8
2470	-3.7	42.3	1.3	-3.7
2480	-3.7	42.5	1.3	-3.7
2490	-3.8	41.9	1.3	-3.8
2500	-3.9	41	1.2	-3.9
5150	-3.9	40.3	2.5	-3.9
5170	-3.8	41.6	2.6	-3.8
5190	-3.9	40.5	2.5	-3.9
5210	-4.2	37.7	2.1	-4.2
5230	-3.8	41.4	2.4	-3.8
5250	-3.8	42.1	2.5	-3.8
5270	-3.5	45.2	2.8	-3.5
5290	-3.4	45.5	2.9	-3.4
5310	-3.4	45.4	2.8	-3.4
5330	-3.2	47.4	2.7	-3.2
5350	-3.2	48	2.5	-3.2
5370	-3.4	45.5	2.5	-3.4
5390	-3.3	46.8	2.8	-3.3
5410	-3.8	42	2.2	-3.8
5430	-3.8	41.4	2.1	-3.8
5450	-3.4	46.2	2.7	-3.4
5470	-3.4	46	2.8	-3.4
5490	-2.7	54	3.5	-2.7
5510	-3	50.6	3.2	-3
5530	-2.8	52.9	3.7	-2.8
5550	-2.8	53.1	3.5	-2.8
5570	-3.1	49.1	3.1	-3.1
5590	-3	50	3.2	-3
5610	-3.6	43.9	2.6	-3.6
5630	-3.5	44.6	2.8	-3.5
5650	-2.9	50.9	3.4	-2.9
5670	-3.2	48.3	3	-3.2
5690	-2.7	53.4	3.1	-2.7

5710	-2.8	52.2	3	-2.8
5730	-3.5	45	2.6	-3.5
5750	-3	50.7	3.3	-3
5770	-3	50.5	3.2	-3
5790	-3.6	44.2	2.7	-3.6
5810	-3.5	44.9	2.7	-3.5
5830	-4	39.7	2	-4
5850	-3.4	46.1	2.9	-3.4

5.2 3D Nap/Orientation Map

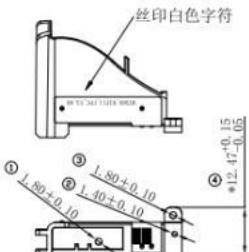


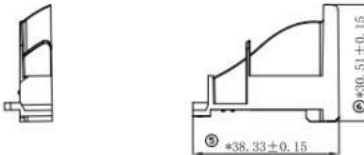




6. Drawing

1	2	3	4	5	6	7	8	9	10	11	12	13
						SEQ. NO.	REV. NO.	DATE	DESCRIPTION OF CHANGE	ECN NO.	Appr. NO.	
							DC-2	2023/08/02	确认图			

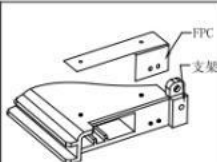




客户料号: 3MT5680403

Notes:

- *号为重点尺寸;
- FPC不能有起翘, 露铜等;
- 支架: PC/ABS, 黑色;
- 工作温度-40°~85° C;
- 无明显刮手、无油污、划痕、变形等不良;



成品组别		颜色	SP/PROCESS/FORM	I			
序号	物料名称	颜色	料号	数量	版本	备注	

DRAWN BY 贺森林		2023/08/02	3rd ANGLE PROJECTION	SIZE A4	TITLE WIFI1 天线
CHECKED BY				UNITS mm	
CHECKED BY				SCALE 1:1	
APPROVED BY 黎朋		2023/08/02	TOLERANCES UNLESS OTHERWISE SPECIFIED		MODEL NAME MT568
			*. ** ***	HOLE DIA. VARIATION ANGULAR DIMENSION ±0.05 ±1.00°	REV.
				DRIVING NUMBER	
			2023/08/02 2023/08/02	CUSTOMER	
			2023/08/02 2023/08/02	1 of 1	

HSIS-A-042-2-A4V

A4(297X210)

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www.deman-china.com



天线名称	MT568_WIFI1_FPC_V3.00
天线型号	FPC-H2358-WIFI1 Antenna (finished product) black
天线料号	TFPA03H23580011