

MT568 ANT1 Antenna

Contents

1. Project pictures
2. Test Fixture
3. Matching Circuit
4. **S11** Test
 - 4.0 S11 Test Methods
 - 4.1 S11 Parameters
 - 4.2 Parameter Picture
 - 4.2.1 Return loss
5. Darkroom Test Data
 - 5.0 Test Equipment
 - 5.1 Active Data
 - 5.2 Passive Data
6. Drawing

1. Project pictures



1. Test Fixture

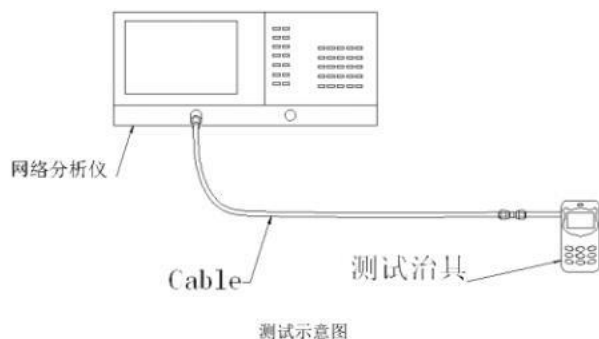


1. Matching Circuit

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 $50\% \pm 15\%$

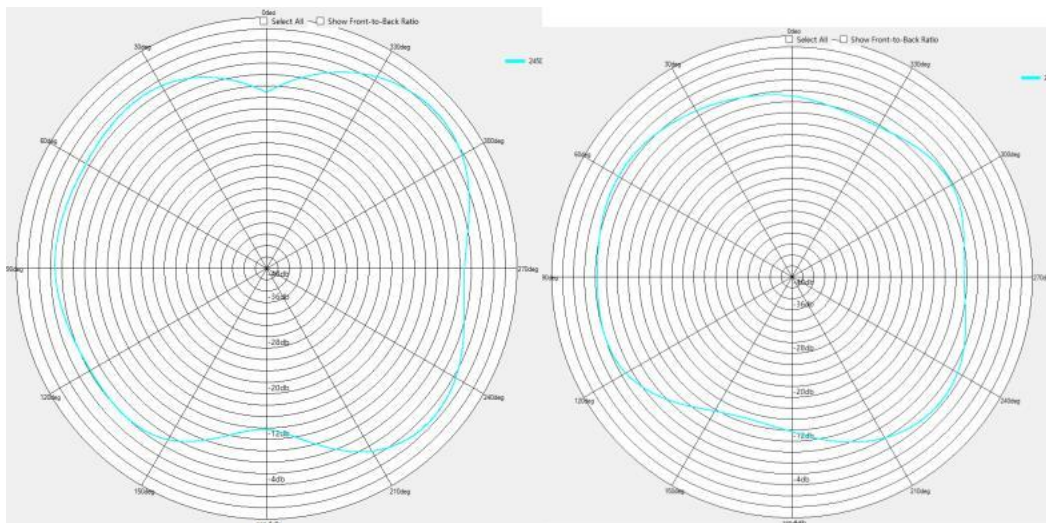
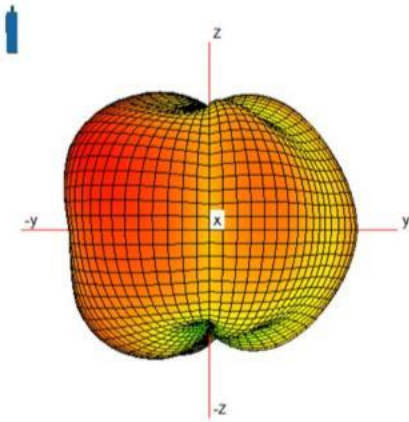
Test Equipment: when testing passive data, use a network analyzer Agilent 8753ES, when testing active data, use a comprehensive tester ZCT WTE100

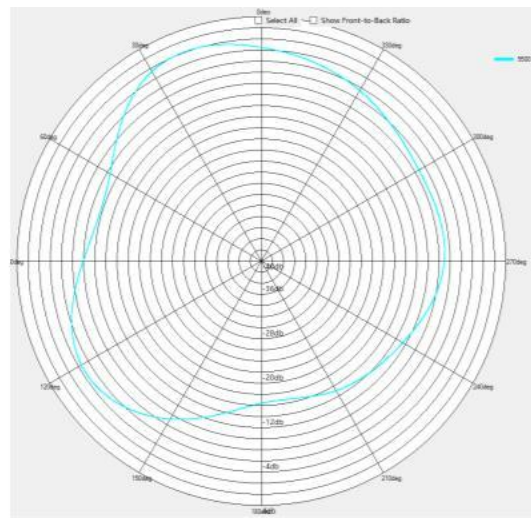
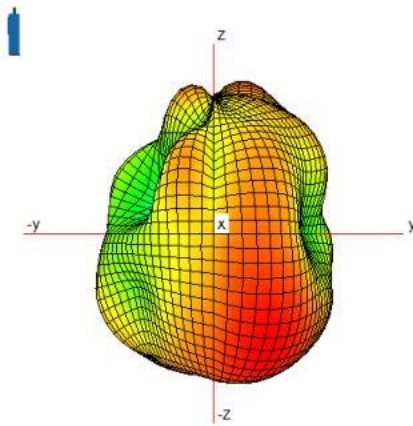
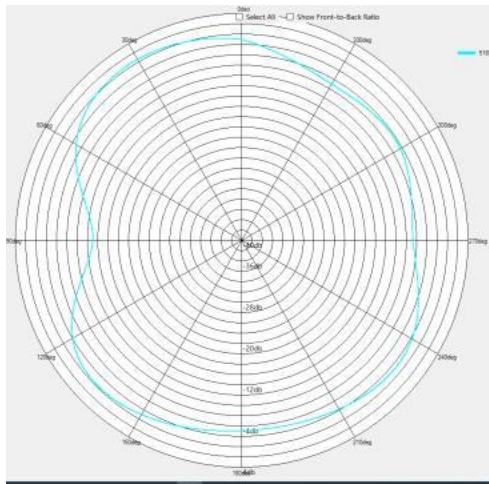
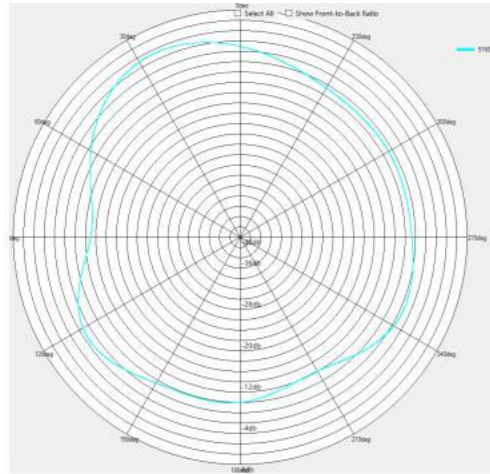
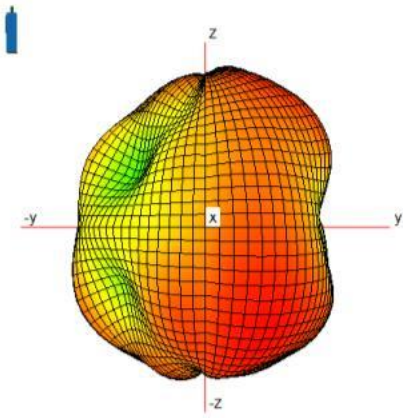
5.1 Passive Data

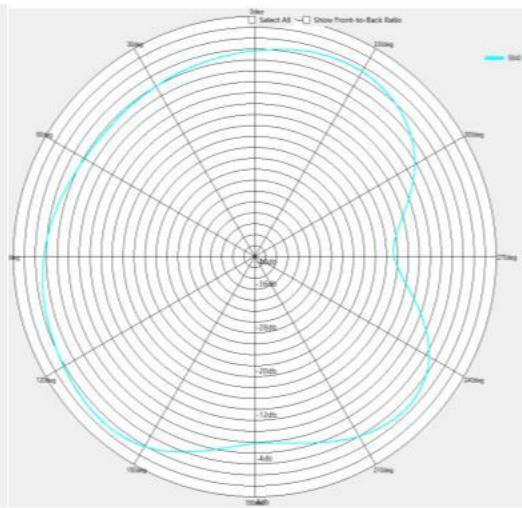
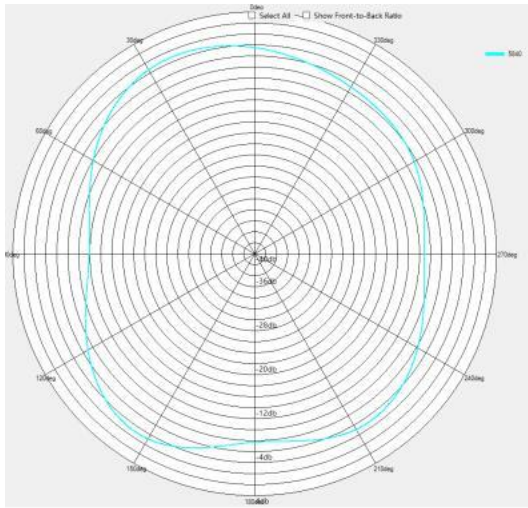
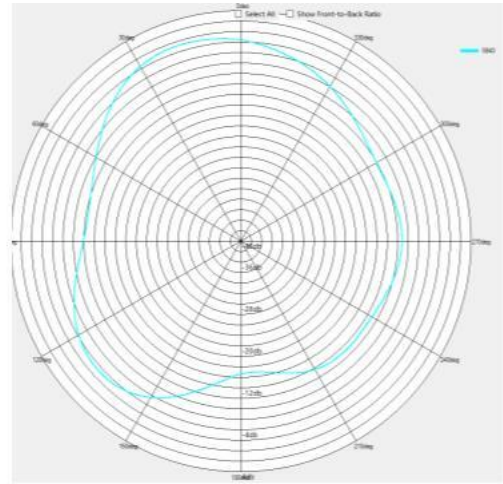
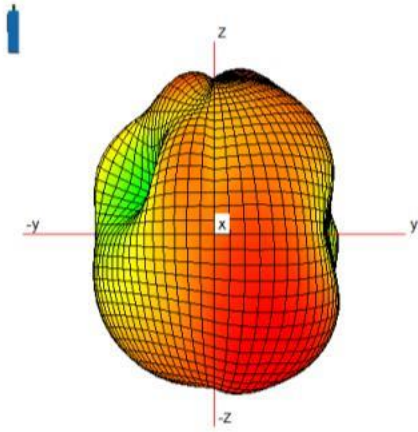
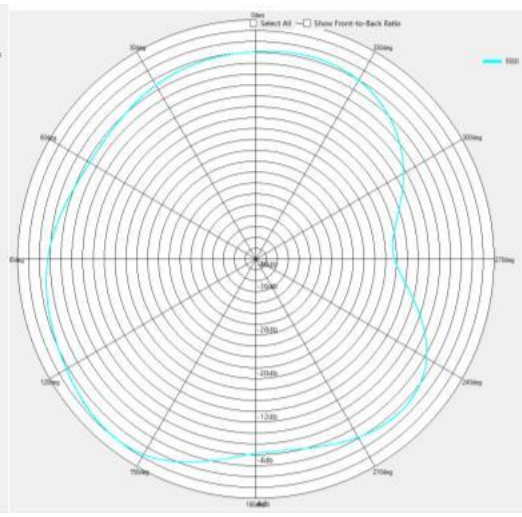
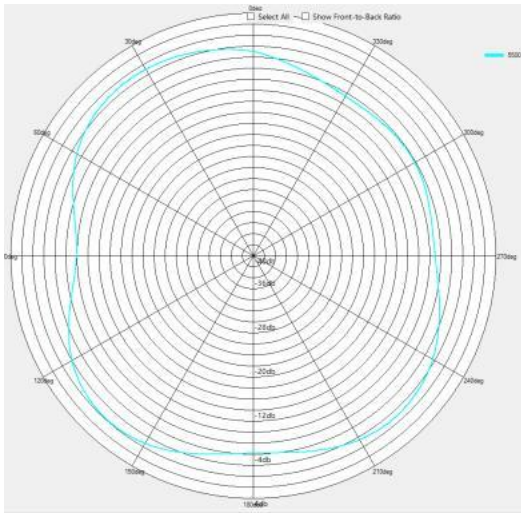
Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi	AvgGain/dBi
2400	-2.8	52.8	1.5	-2.8
2410	-2.6	54.6	1.8	-2.6
2420	-2.6	54.9	1.8	-2.6
2430	-2.7	54.2	1.7	-2.7
2440	-2.6	55.5	2	-2.6
2450	-2.7	54.3	2	-2.7
2460	-2.8	52.8	1.9	-2.8
2470	-2.7	53.4	1.9	-2.7
2480	-2.7	54.1	1.9	-2.7
2490	-2.7	53.2	2	-2.7
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

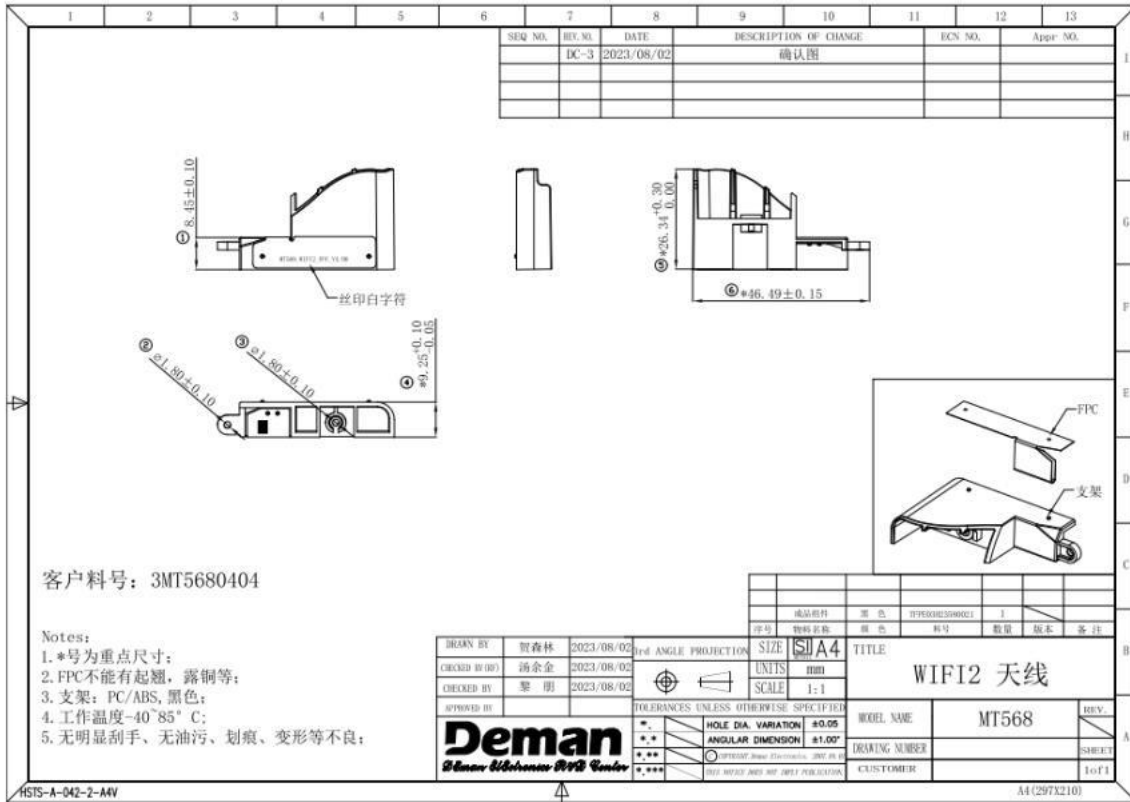
5.2 3D Nap/Orientation Map







6. Drawing



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www.deman-china.com



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