



Product Specification

P/N: 366N0349

C P/N: 501007007

REV.: X1

Date: 2023/06/18

Protocol: Tom

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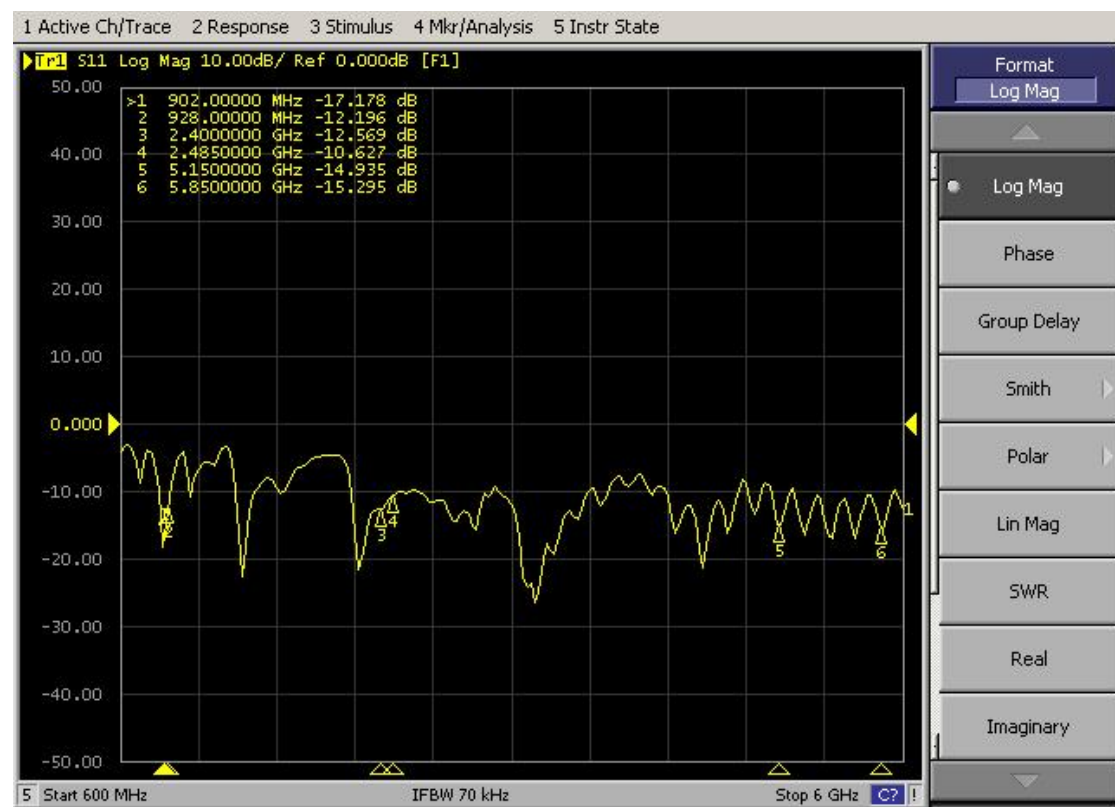
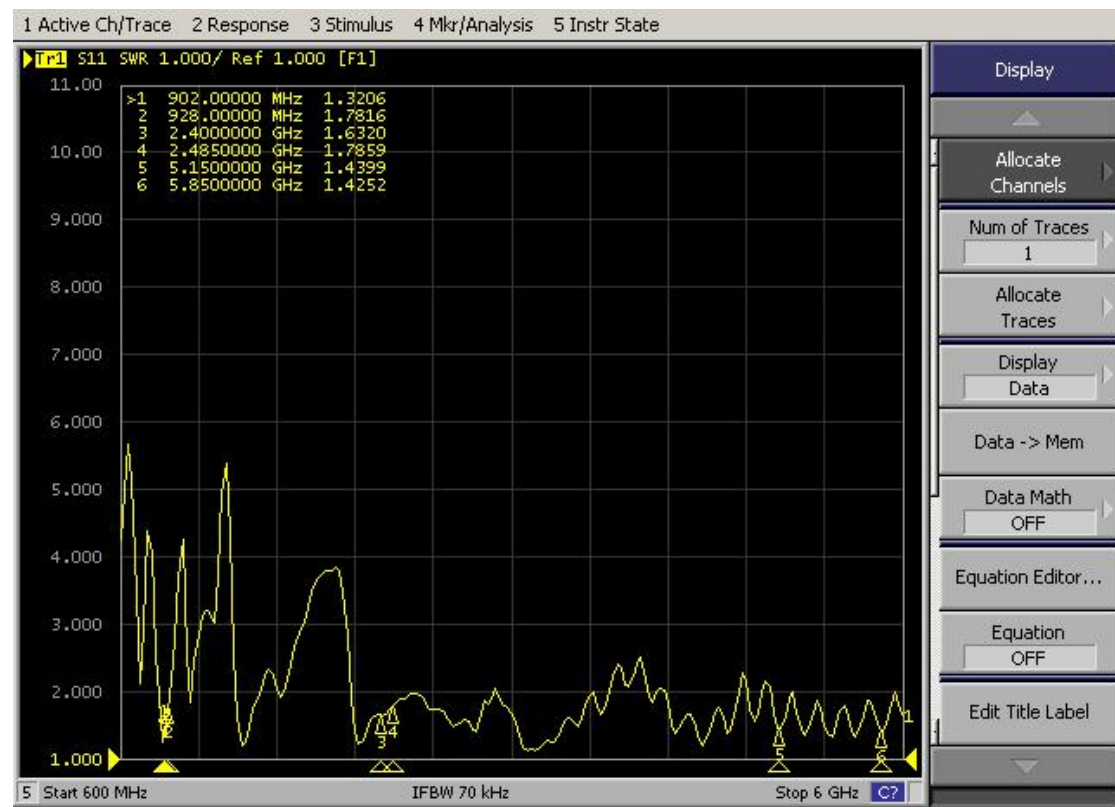
Antenna Specification



Model M 机头天线 FPC 黑色 TO MMCX-JW WITH RF-1.8L 黑色 L800mm

Item	Specification	Comment
Impedance	50Ω	
Test Condition	Passive test	
Freq. Range	902-928MHz/2400-2500MHz /5150-5850MHz	
Antenna Type	FPC	
Peak Gain	1.54dBi	
VSWR	902-928MHz≤2.0 2400-2500MHz≤2.0 5150-5850MHz≤2.0	
Polarization Type	Vertical	
Radiation Type	Omnidirectional	
Connector Type	MMCX-JW	
RF Cable Type	RF-1.8L	
Dimension	L800mm	
Operating Temp	-30℃ ~ +75℃	
Storage Temp	-30℃ ~ +75℃	

1.SWR/驻波图



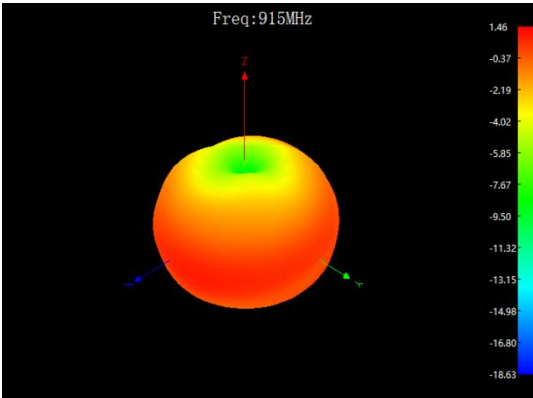
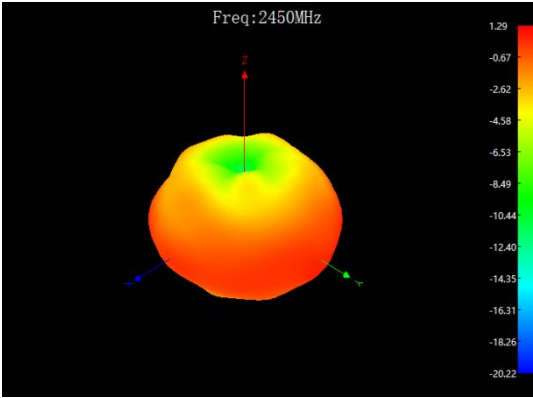
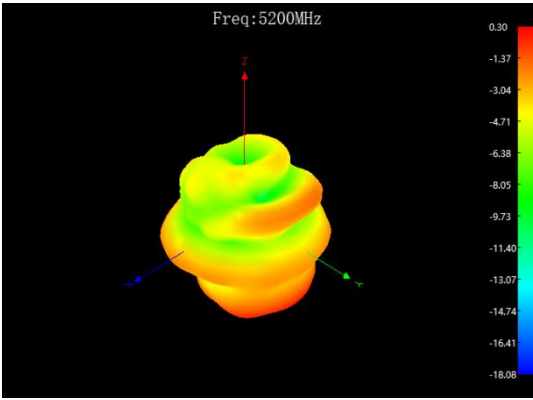
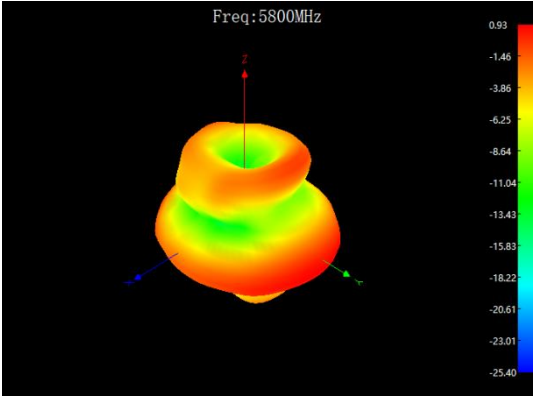
2. Efficiency/ Gain Test 效率测试

Freq (MHz)	Effi (%)	Gain (dBi)
902	61.66	1.50
903	61.66	1.52
904	61.38	1.52
905	61.24	1.54
906	60.39	1.43
907	59.84	1.36
908	59.43	1.31
909	58.88	1.27
910	58.21	1.21
911	58.75	1.29
912	58.88	1.35
913	58.61	1.40
914	58.34	1.42
915	58.48	1.46
916	56.75	1.28
917	55.85	1.15
918	55.59	1.08
919	55.85	1.07
920	56.23	1.05
921	56.89	1.17
922	57.02	1.24
923	56.36	1.26
924	55.21	1.24
925	53.58	1.21
926	52.60	1.06
927	51.88	0.92
928	51.52	0.80
AVG	57.45	1.26

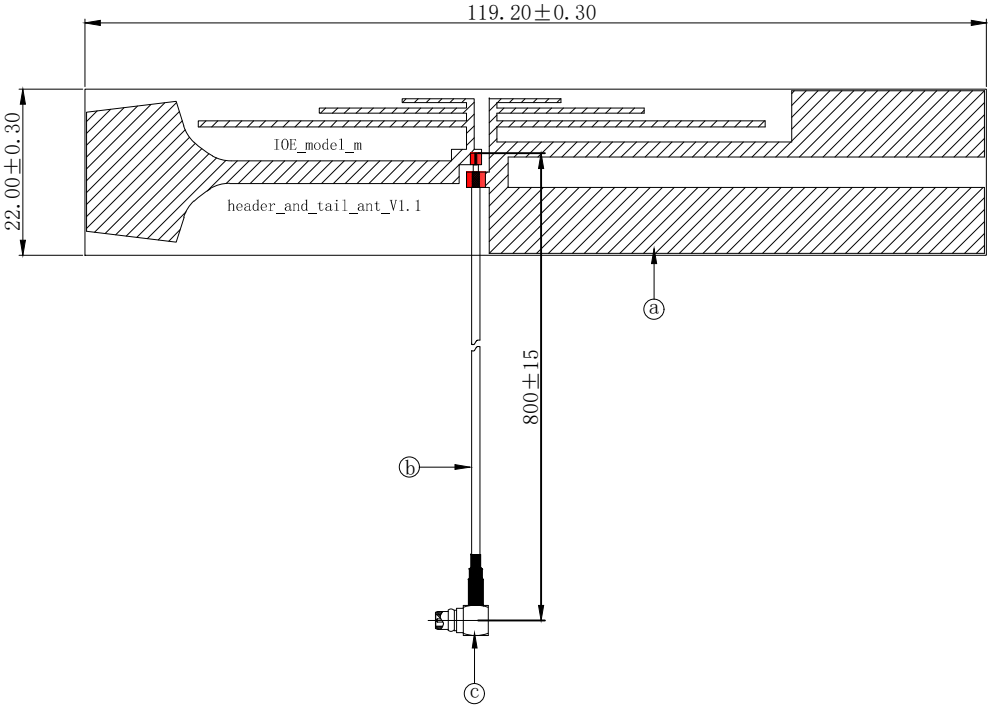
Freq (MHz)	Effi (%)	Gain (dBi)
2400	48.98	1.42
2410	48.75	1.54
2420	46.45	1.37
2430	47.32	1.32
2440	46.45	1.24
2450	47.32	1.29
2460	47.42	1.47
2470	46.88	1.44
2480	47.64	1.50
2490	47.21	1.45
2500	47.97	1.53
AVG	47.49	1.42

Freq (MHz)	Effi (%)	Gain (dBi)
5150	26.61	0.74
5200	28.25	0.30
5250	34.28	0.90
5300	36.81	0.73
5350	34.36	0.19
5400	35.89	0.64
5450	40.46	0.89
5500	39.63	1.15
5550	37.07	0.77
5600	37.67	1.10
5650	35.40	0.63
5700	32.58	0.25
5750	35.32	1.08
5800	33.04	0.93
5850	30.06	0.90
AVG	34.50	0.75

3.3D Radiation Pattern/3D 辐射方向图

915MHz	
2450MHz	
5200MHz	
5800MHz	

REV.	ECN NUMBER	DESCRIPTION	DATE
A	ECN	FIRST RELEASE	06/18' 23



- 技术要求:
1. 焊接不能虚焊、假焊，屏蔽层不能有烫伤。
 2. 全检VSWR测试
 3. 标有“▼”为重点检测尺寸。
 4. 产品需符合本公司ROHS及相关可靠性等要求。

c	接头	1		MMCX-JW
b	CABLE	1		RF-1.8L/50黑色低损线, L800mm
a	FPC	1		3M9471 1/20Z 黑色 L119.2*W22mm 无卤
ITEM	PART NAME	Q' TY	PART #	MATERIAL / FINISH

 GENERAL TOLERANCE · X± 0.30 ± 1° · XX± 0.15 · XXX± 0.15 SCALE: 1:1 UNIT: mm SIZE: A4 		DRAWN: Tom		DATE: 06/18' 23	
		CHECK:		DATE:	
		APPROVE:		DATE:	
		PROJECT NAME: Model M 机头天线			
		PART NO: 366N0349			
		TITLE:			REV. A
		Model M 机头天线 FPC 黑色TO MMCX-JW WITH RF-1.8L 黑色 L800mm			SHEET: 1/1