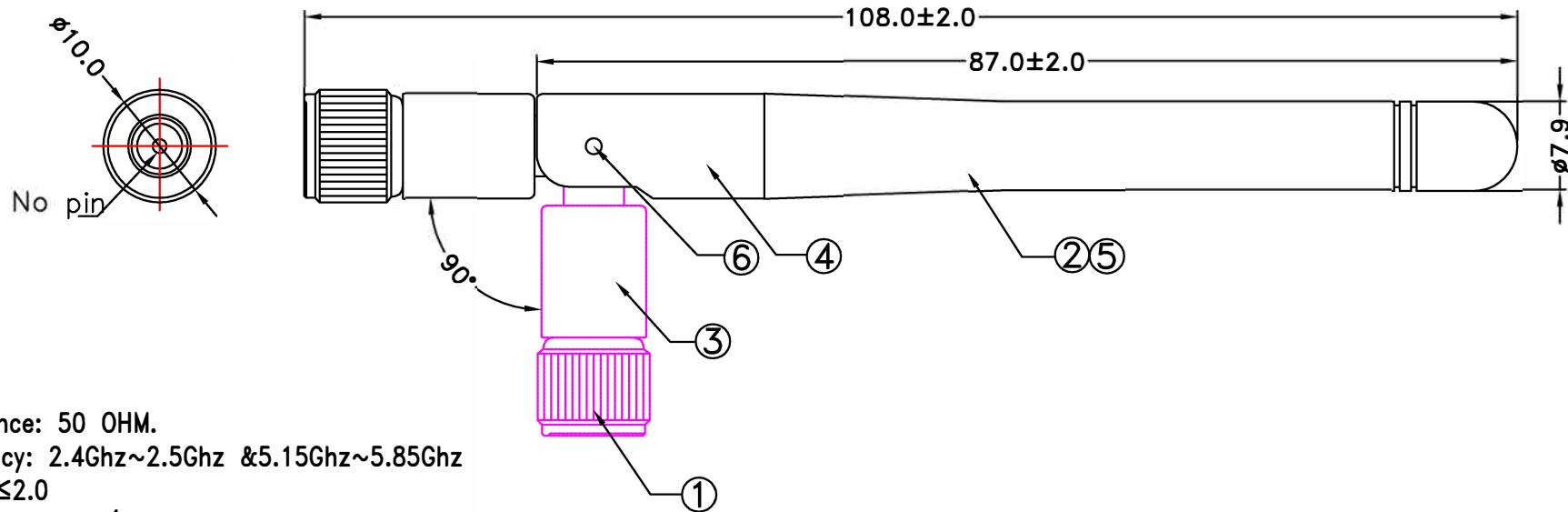


APPROVE:

REV	DATE	ECN NO	DESCRIPTION	Name
A	2210.26		NEW RELEASE	



NOTES:

1. Electrical:
- 1.1 Impedance: 50 OHM.

1.2 Frequency: 2.4Ghz~2.5Ghz &5.15Ghz~5.85Ghz

1.3 VSWR: ≤2.0

1.4 Peck Gain: 2dBi/3dBi

1.5 Polarization: Linear

1.6 Radiation Patten:Omni-directional
2. Enviromental:
- 2.1 Storage Temperature Range: -40 TO +85°C

2.2 Operating Temperature Range: -40 TO +85°C
3. All material must meet RoHS Request.

6	RIVET		POM;COLOR:BLACK	2		CUSTOMER:		
5	COVER		TPEE;COLOR:BLACK	1				
4	MIDDLE BASE		PC;COLOR:BLACK	1				
3	UP BASE		PBT;COLOR:BLACK	1		PART NO:	2.4G&5.8GHZ ANTENNA	
2	CABLE	1RG178BR011CA-36	RG178 ,COLOR:BROWN ø1.80	1		ORD NO:	C-400187P	
1	CONNECTOR	50SMAB09HBT2G1N	SMA R/P PLUG WITH BLACK COAT	1		REF NO:		
ITEM	NAME	PART NO.	SPEC	Q'TY	VENDOR	APPROVE	CHECKED	DRAWN
TITLE: 2.4Ghz&5.8Ghz Dual band dipole Antenna								Sean
DWG NO: C-400187P		SHEET 1 OF 1	UNIT	m/m	SCALE	FREE		

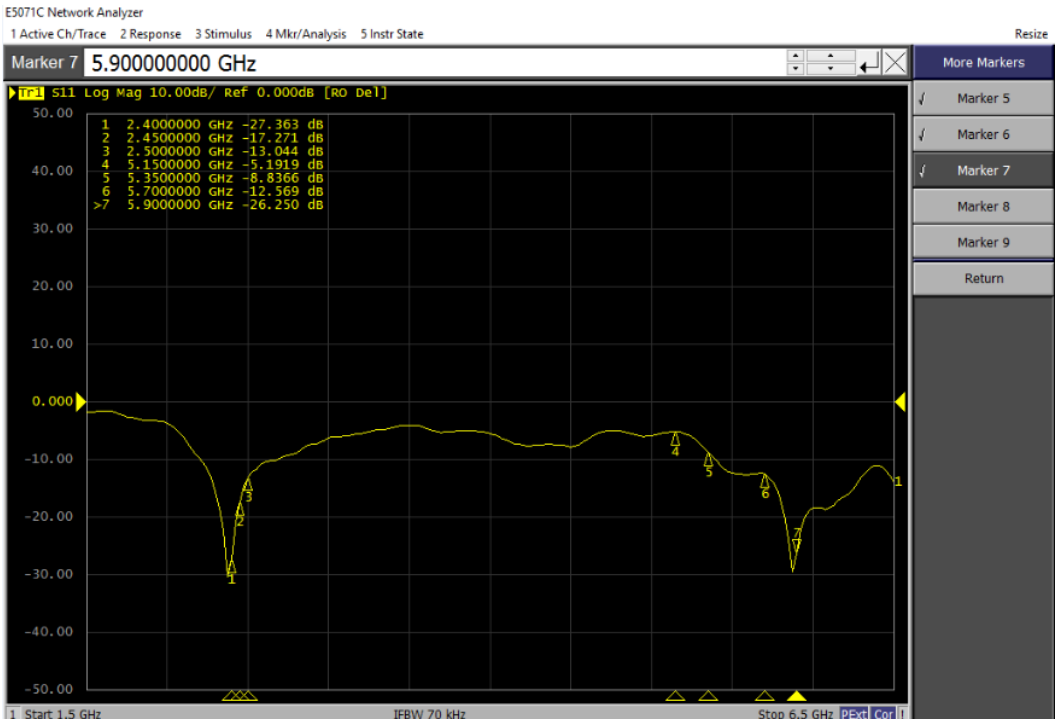
双频胶棒天线测试报告

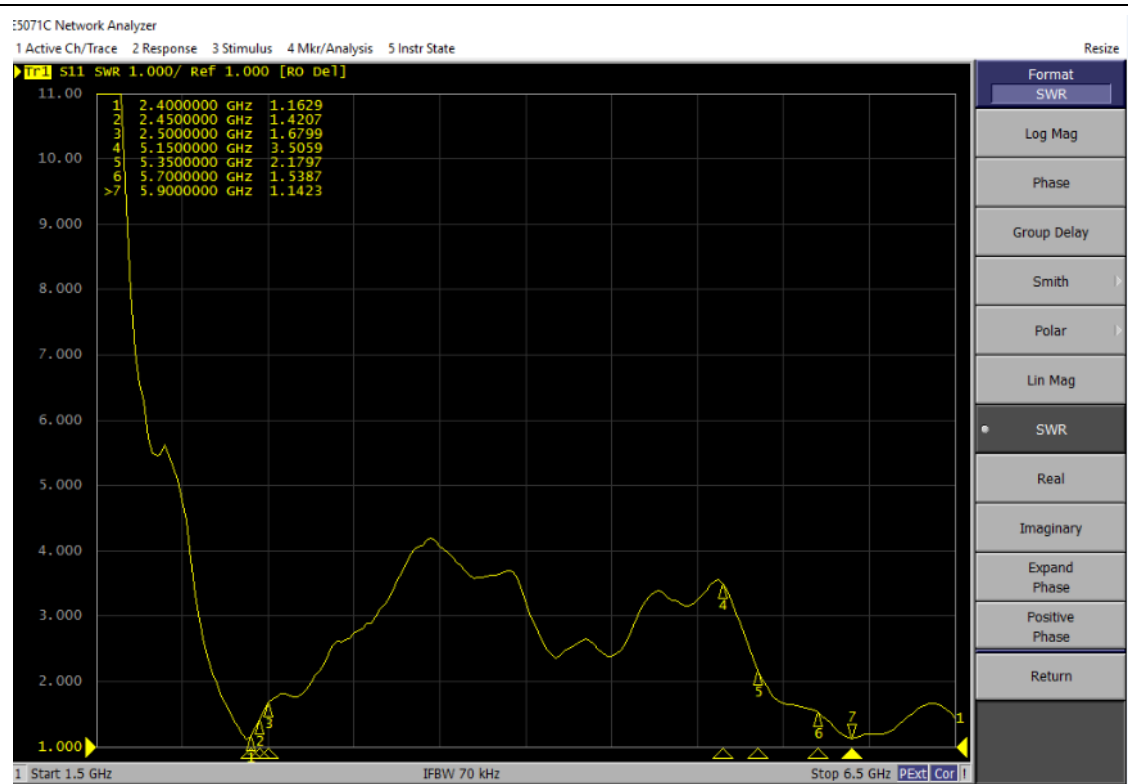
胶棒天线图片：



小胶棒天线 S11 数据：

频率（MHz）	2400	2450	2500	5150	5350	5700	5900
ReturnLoss	-27.36	-17.27	-13.04	-5.19	-8.83	-12.56	-26.25
VSWR	1.16	1.42	1.68	3.50	2.17	1.53	1.14

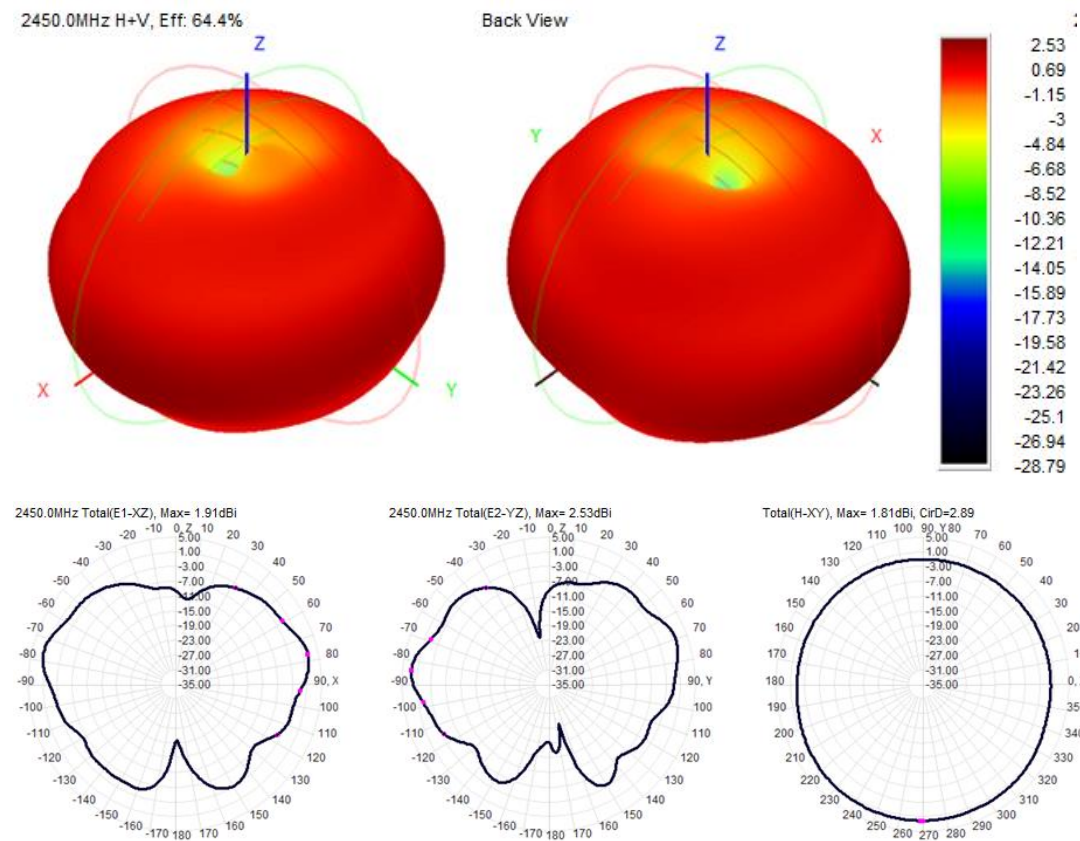




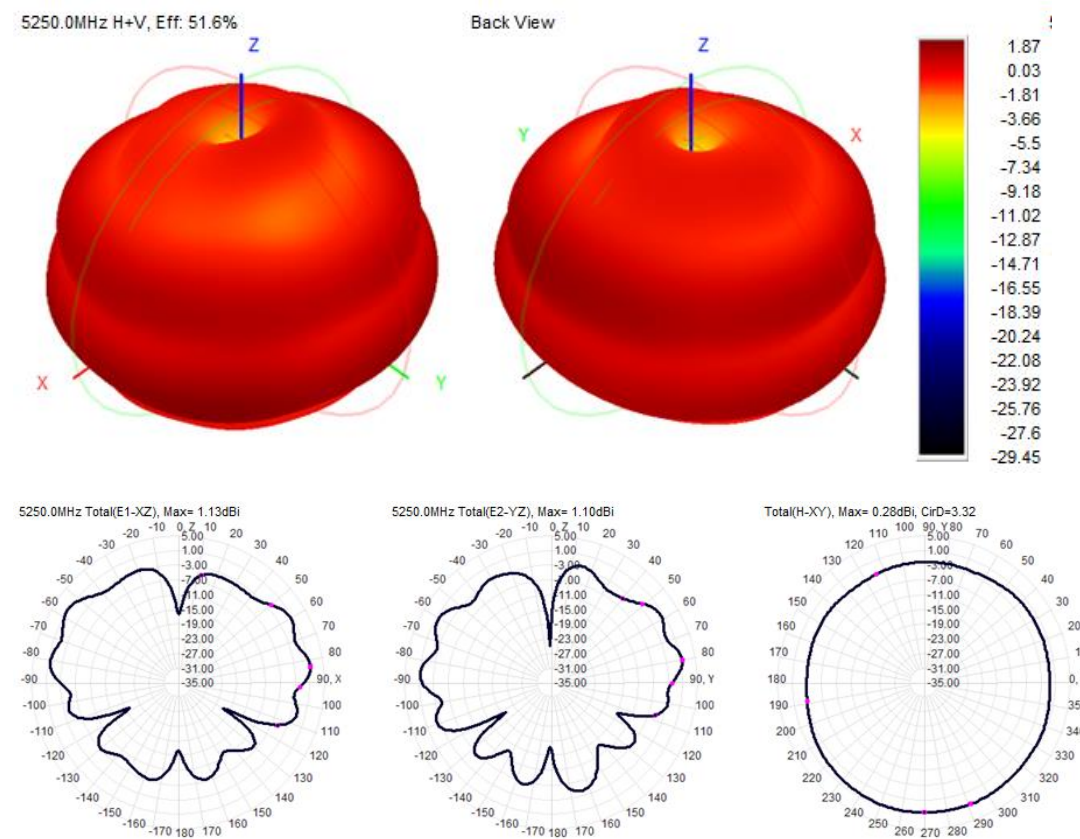
小胶棒天线增益效率和方向图：

Fq (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.40	1.78	2.02	2.15	2.40	2.53	2.48	2.29	1.95	1.72	1.75
Efficie (%)	57.2	59.1	59.7	60.6	62.1	64.4	66.2	67.1	65.6	64.2	63.2
Fq (MHz)	5150	5200	5250	5300	5350	5500	5700	5750	5800	5850	
Gain (dBi)	1.07	1.83	1.87	1.28	2.11	2.86	2.93	3.16	2.67	2.27	
Efficie (%)	50.2	50.6	51.5	50.8	51.4	50.4	57.3	58.2	54.1	52.7	

2450MHz 方向图:



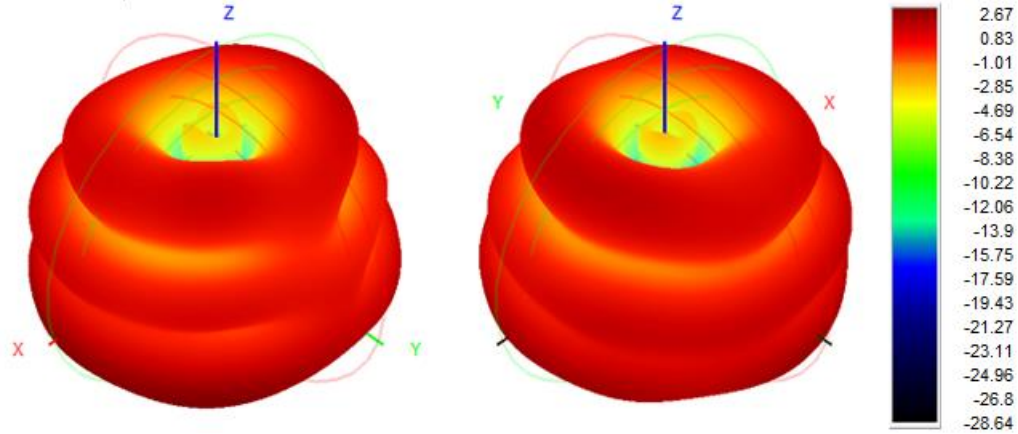
5250MHz 方向图:



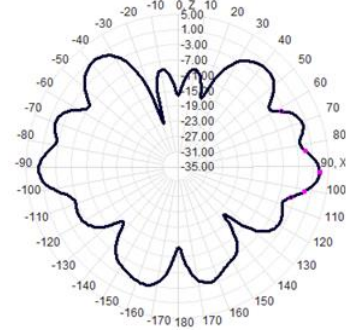
5800MHz 方向图:

5800.0MHz H+V, Eff: 54.1%

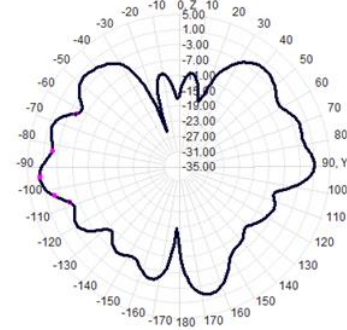
Back View



5800.0MHz Total(E1-XZ), Max= 2.36dBi



5800.0MHz Total(E2-YZ), Max= 1.76dBi



Total(H-XY), Max= 2.66dBi, CirD=2.28

