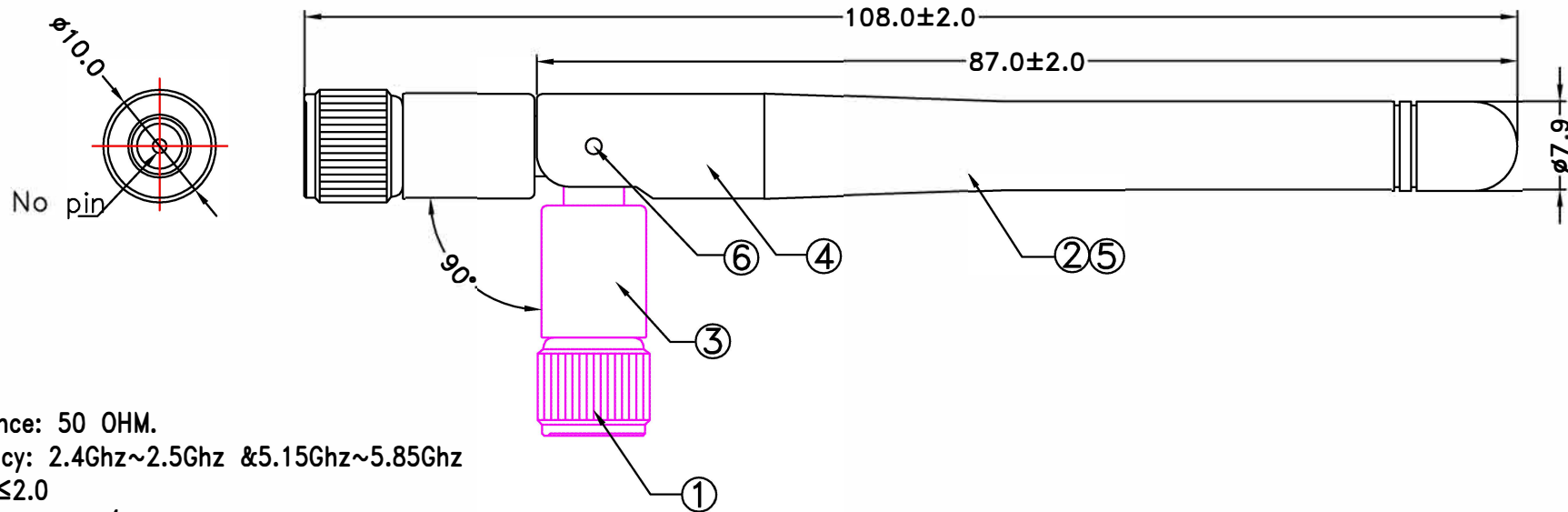


APPROVE:

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		

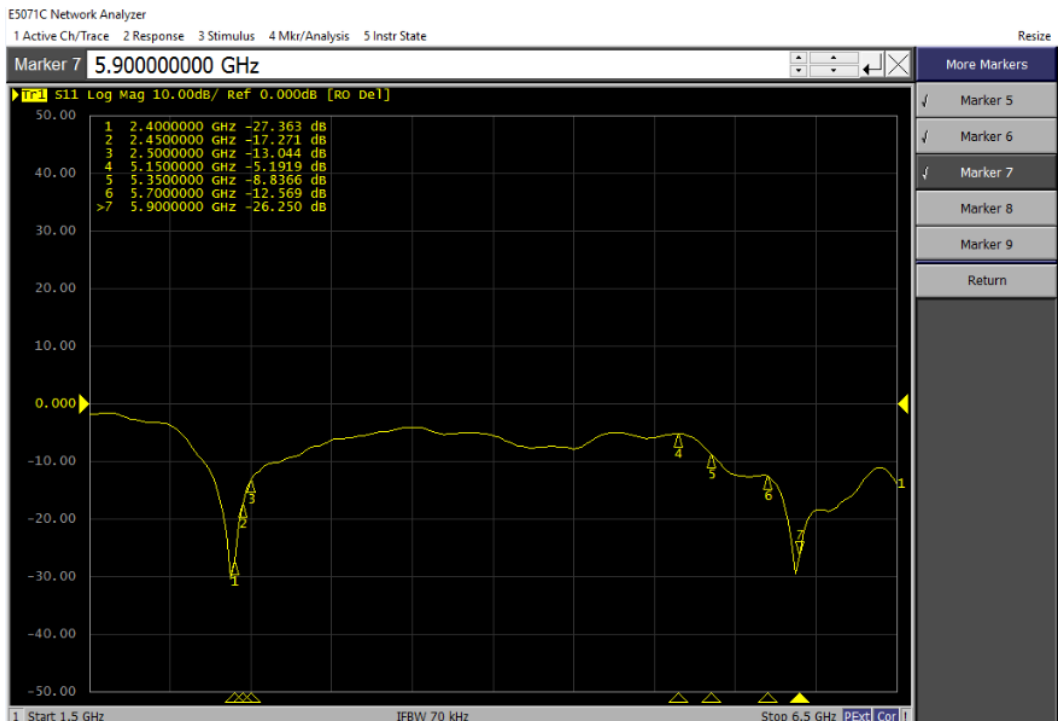
Dual-band rubber stick antenna test report

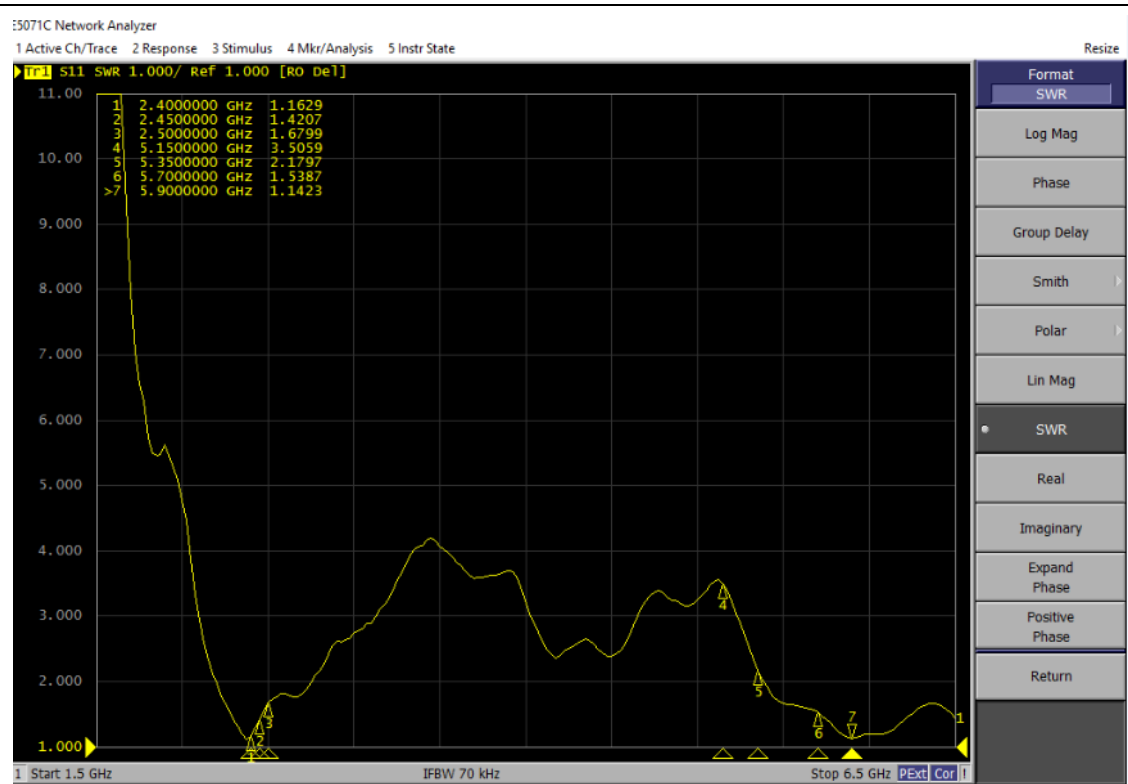
Glue stick antenna picture:



Small rubber stick antenna S11 data:

Frequency (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

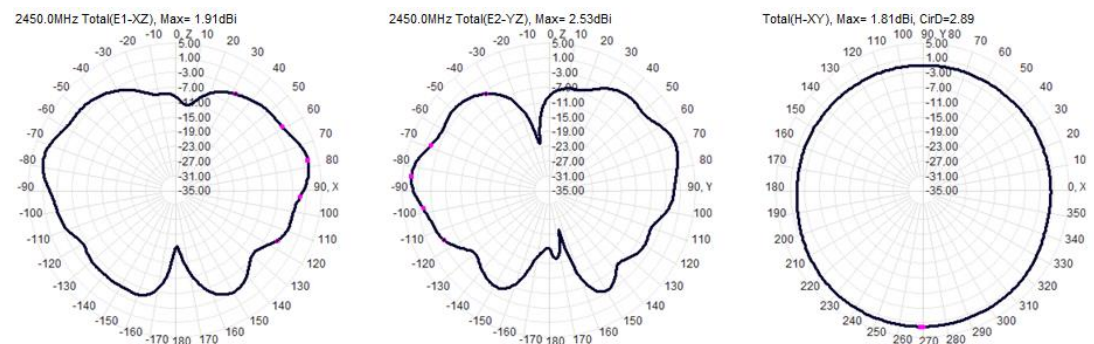
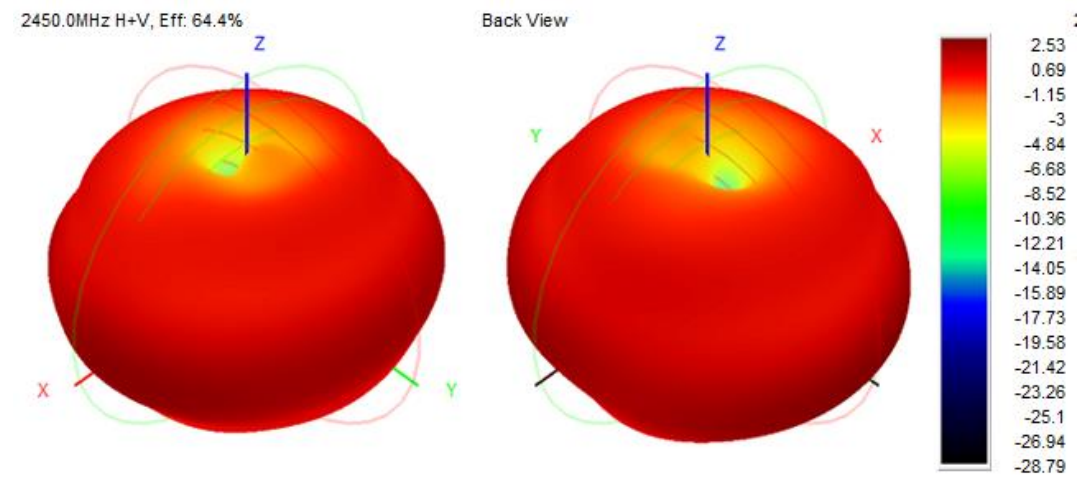




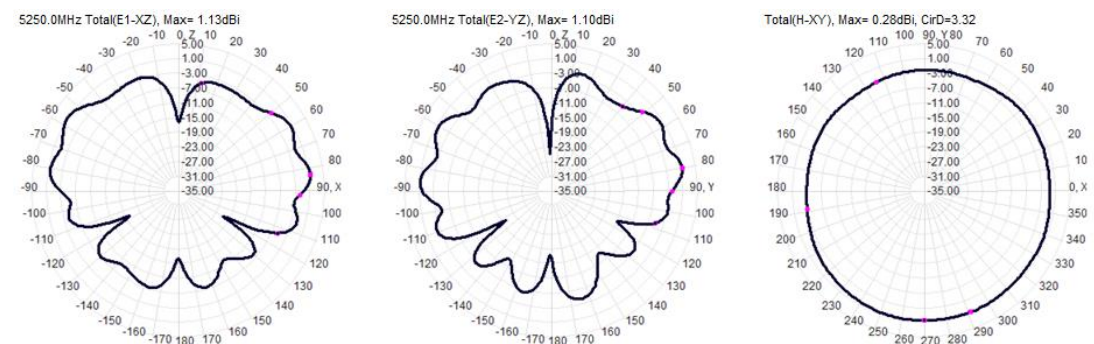
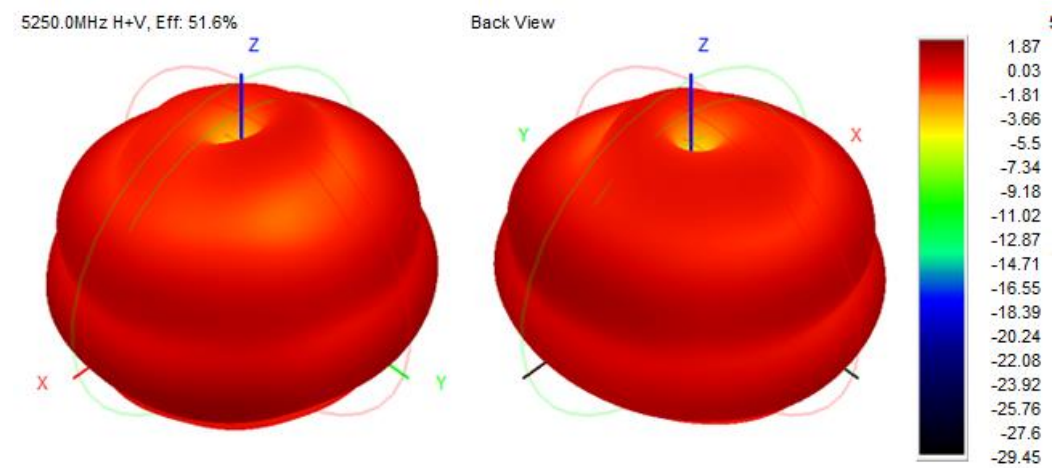
Small glue stick antenna gain efficiency and radiation pattern:

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	2.48	2.93	3.16	2.67	2.27	
Efficie (%)	50.2	50.6	51.5	50.8	51.4	52.4	57.3	58.2	54.1	52.7	

2450MHz radiation pattern:



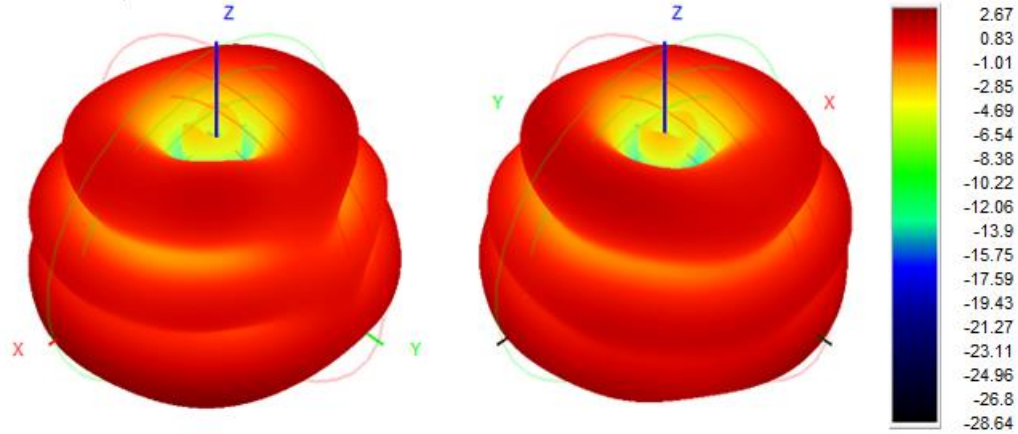
5250MHz radiation pattern:



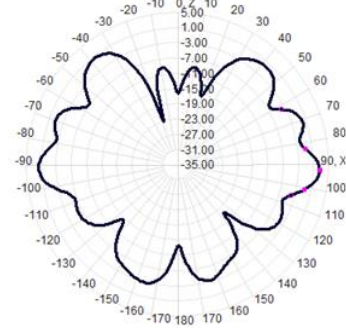
5800MHz radiation pattern:

5800.0MHz H+V, Eff: 54.1%

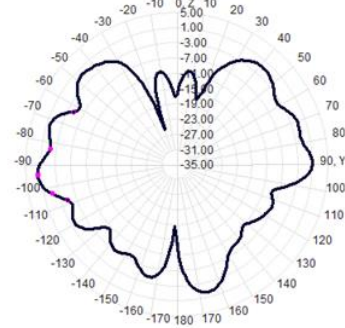
Back View



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

