

产 品 规 格 书

PRODUCT SPECIFICATION SHEET

客 户 名 称：_____

产 品 名 称：_____ 2.4G&5G Antenna

产 品 料 号：_____ LY-2N217

客 户 料 号：_____

送 样 日 期：_____ 2019-5-17



工程确认：

核准	工程	制作	签章
Approval	Quality	Engineer	

客户确认：

核准	研发	品质	签章
确认结果： ☐ 合格 ☐ 不合格 ☐ 其它			

承认书项目表

Item	Description
1.....	承认书封面
2.....	承认书项目表
3.....	工程图面
4.....	电性测试报告

RF Antenna Cable Assembly

Specification

1. Electrical Properties

1.1 Frequency Range.....2.4GHz-2.5GHz&5.15GHz-5.85GHz

1.2 Impedance.....50Ω Nominal

1.3 VSWR.....2.0:1MAX

1.4 Return Loss.....-10dB Max

1.5 Gain(peak).....3dBi

1.6 Cable loss.....0.3dBi Max

1.7 Polarization.....Linear Vertical

1.8 Admitted Power.....2W

1.9 Cable.....RG-178

1.10 Conn.....SMA- Male

2. Physical Properties:

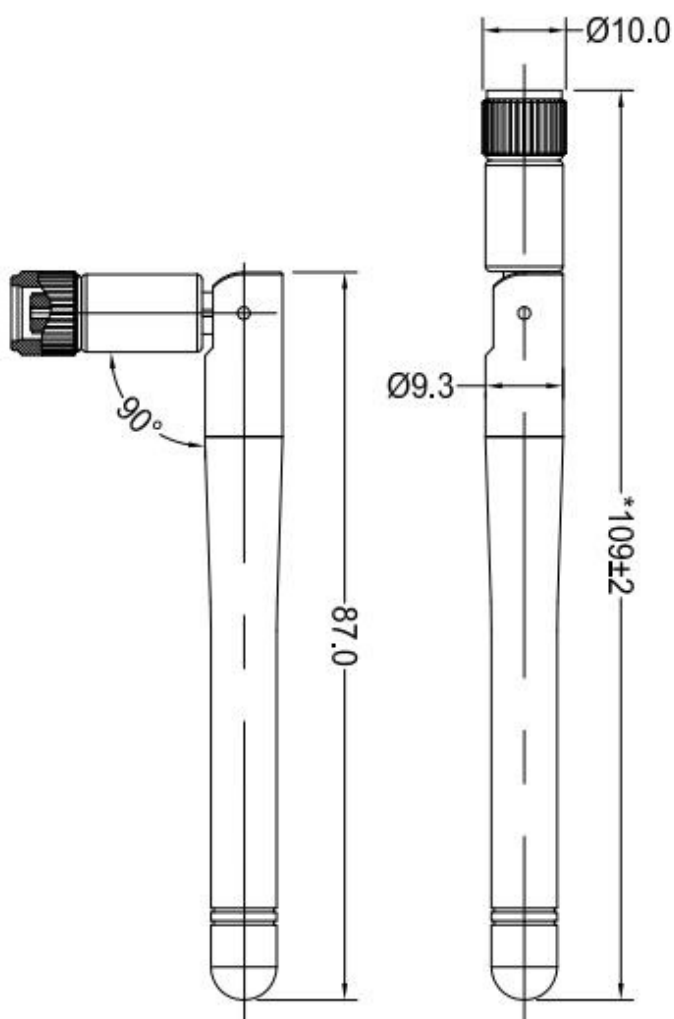
2.1 Antenna Material.....Cu

2.4 Operating Temp.....-40℃- +80℃

Antenna Engineer drawing :

RoHS Compliant

REV	DATE	DESCRIPTION
A	05/13-2014	New Issue



7	Cable	RG-178 Cable, Transparency Brown, 50Ω	1
6	Tube	Cu	1
5	Conn	Shell POM (Black) nickel plating white teeth	1
4	Rivet	POM; Color: Black	2
3	Bottom Base	PBT; Color: Black	1
2	Upper Base	PC; Color: Black	1
1	Antenna Cap	TPE; Color: Black	1
NO	DESCRIPTION		QTY

蓝一通讯科技有限公司
LANYI COMMUNICATION TECHNOLOGY CO., LTD

TITLE: 2.4GHz & 5.8GHz Assembly

PART NO: LY-2N217

DWG NAME: LY-N217.dwg

APPROVED BY

CHECKED BY

DESIGNED BY

马兰

UNITS: mm

SCALE: 1/1

REVISION: A

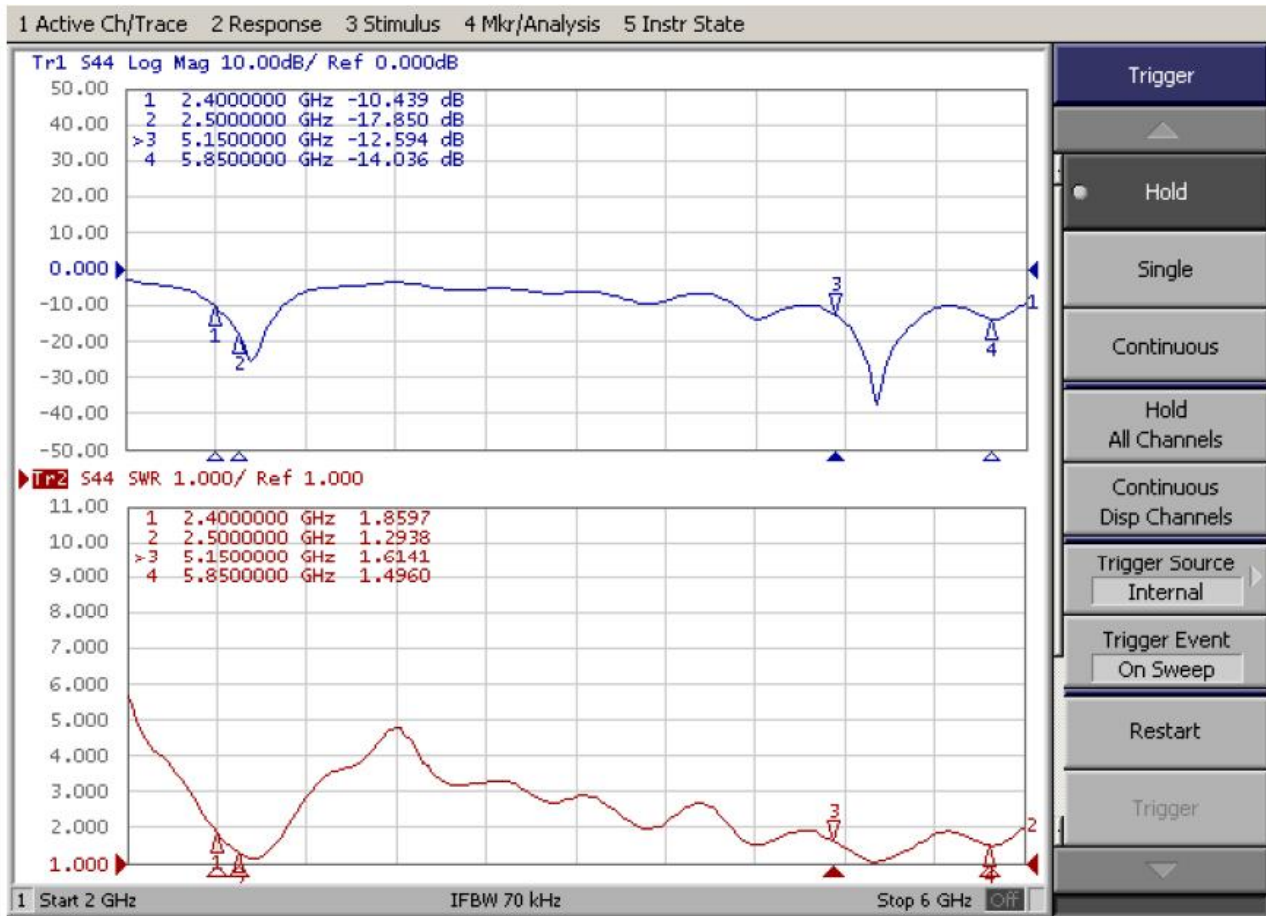
Tolerance

X. ±1.0

X.X ±0.5

X.XX ±0.2

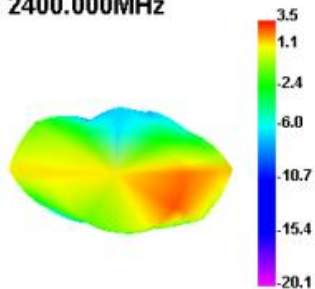
Return Loss



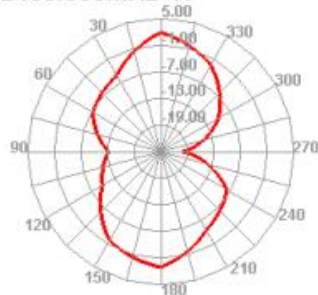
Gain&Efficiency

Passive Test For WIFI1			Passive Test For WIFI2		
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	63.1	3.48	5150	48.25	2.39
2410	55.92	2.89	5200	56.95	3.68
2420	64.51	3.49	5250	53.59	3.69
2430	64.06	3.48	5300	52.03	3.84
2440	68.24	3.87	5350	57.86	4.24
2450	66.31	3.87	5400	63.69	5.01
2460	62.07	3.66	5450	56.3	4.07
2470	61.76	3.65	5500	55.91	4.15
2480	60.8	3.73	5550	51.97	3.66
2490	63.78	4.05	5600	51.11	3.18
2500	58.99	3.83	5650	51.63	3.07
			5700	50.22	2.74
			5750	55.98	2.78
			5800	55.06	2.92
			5850	55.24	2.95

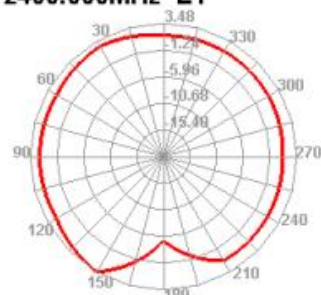
2400.000MHz



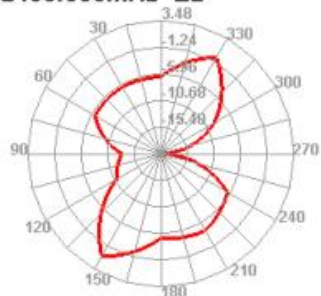
2400.000MHz H



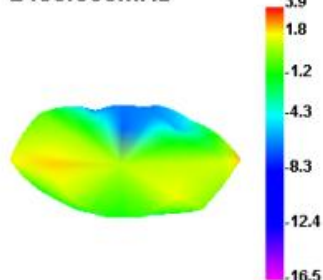
2400.000MHz E1



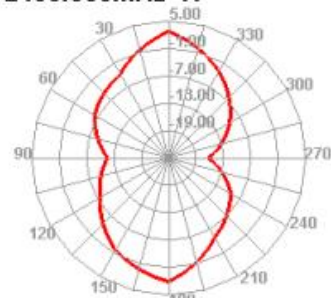
2400.000MHz E2



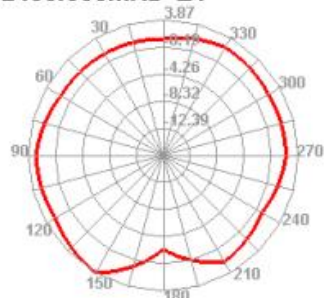
2450.000MHz



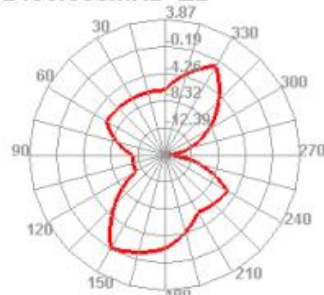
2450.000MHz H



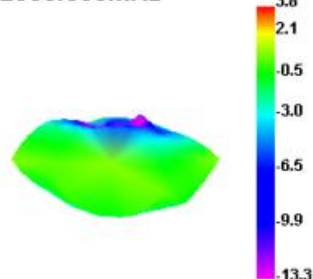
2450.000MHz E1



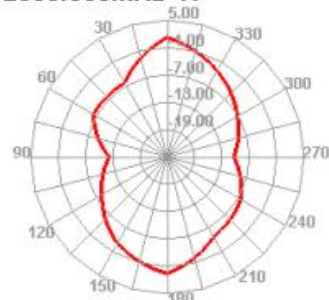
2450.000MHz E2



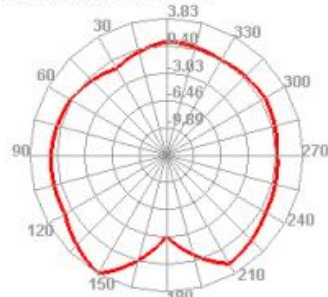
2500.000MHz



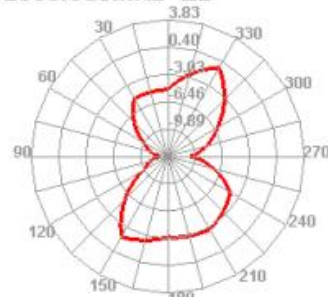
2500.000MHz H



2500.000MHz E1



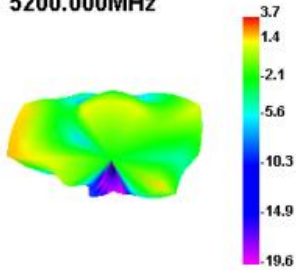
2500.000MHz E2



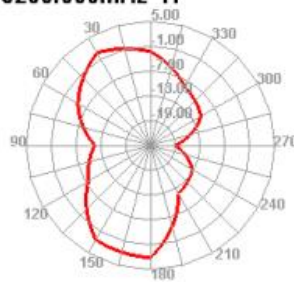
蓝一通讯科技有限公司

LANYI COMMUNICATION TECHNOLOGY CO., LTD

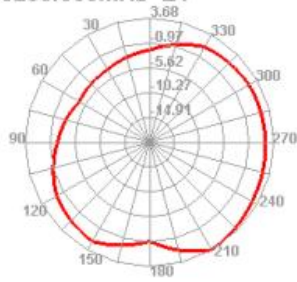
5200.000MHz



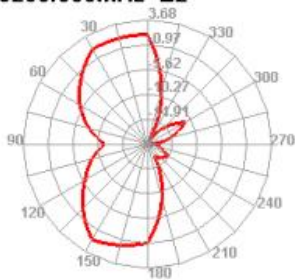
5200.000MHz H



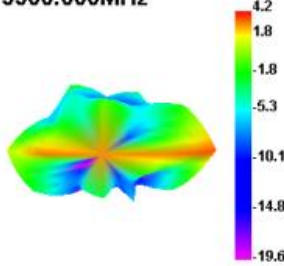
5200.000MHz E1



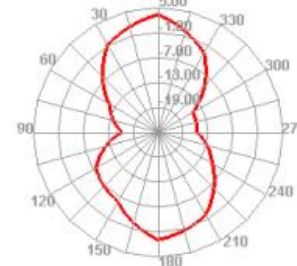
5200.000MHz E2



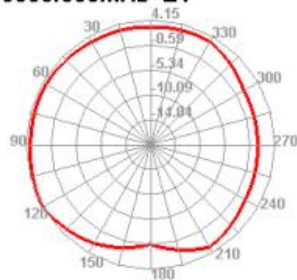
5500.000MHz



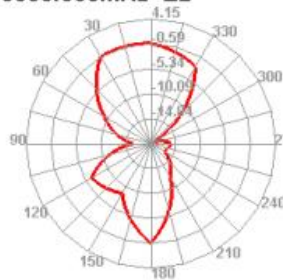
5500.000MHz H



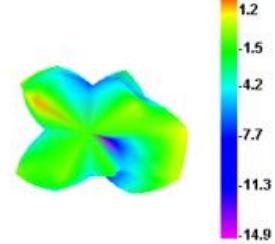
5500.000MHz E1



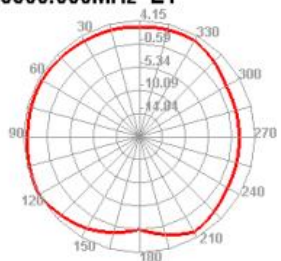
5500.000MHz E2



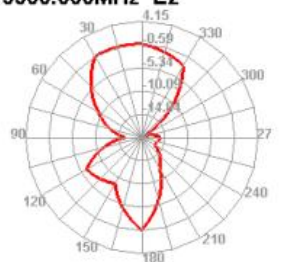
5850.000MHz



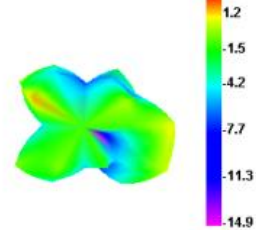
5500.000MHz E1



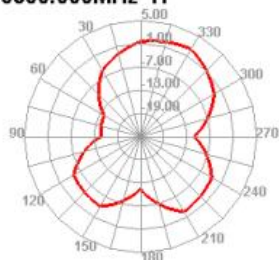
5500.000MHz E2



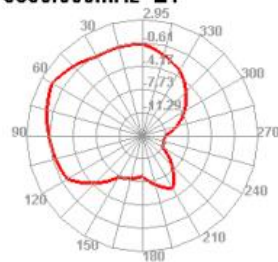
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

