

Antenna Type : Dipole Antenna

Antenna Gain: Chain 0: Gain: 4.8 dBi

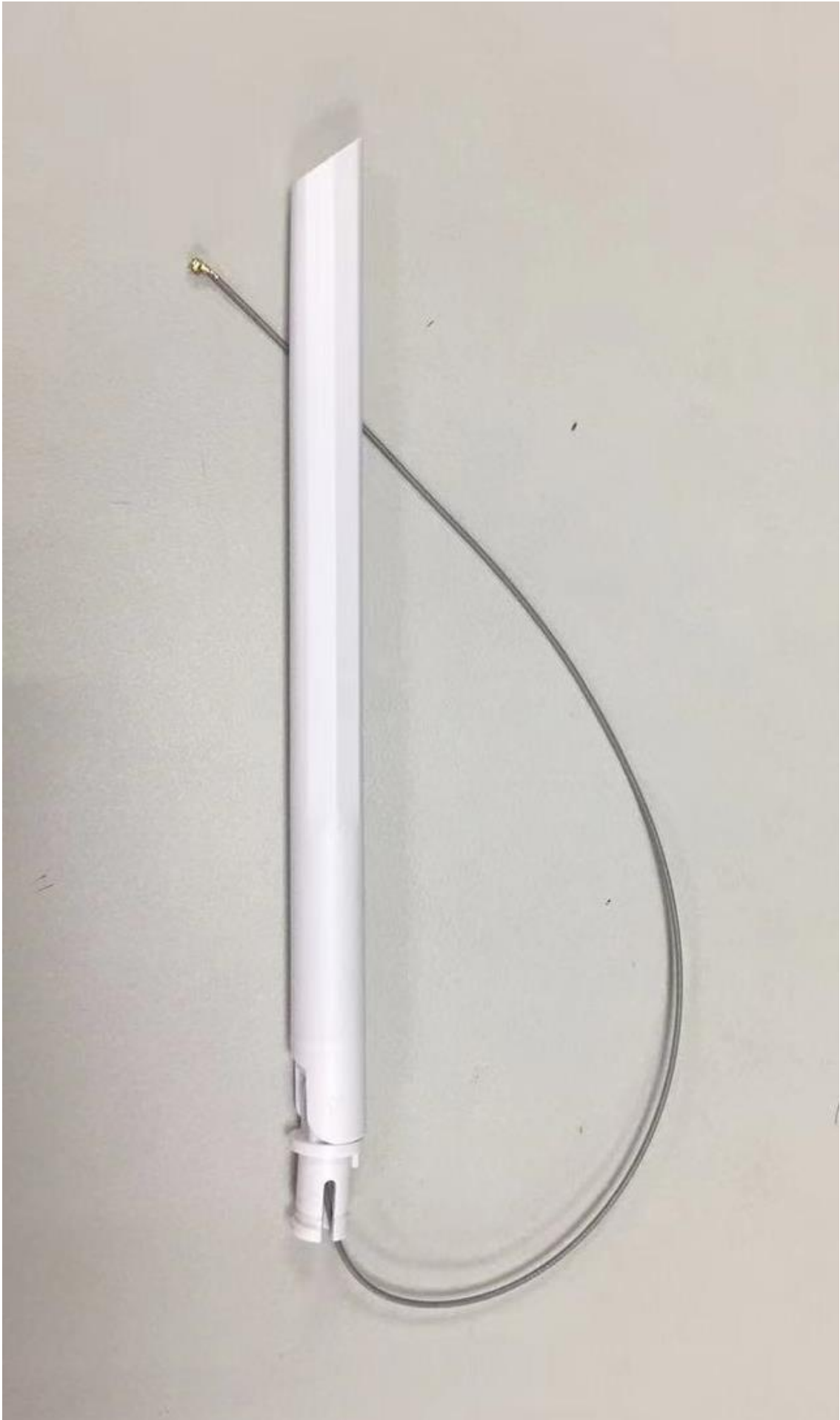
Chain 1: Gain: 4.4 dBi

Power Directional Gain: 7.61 dBi

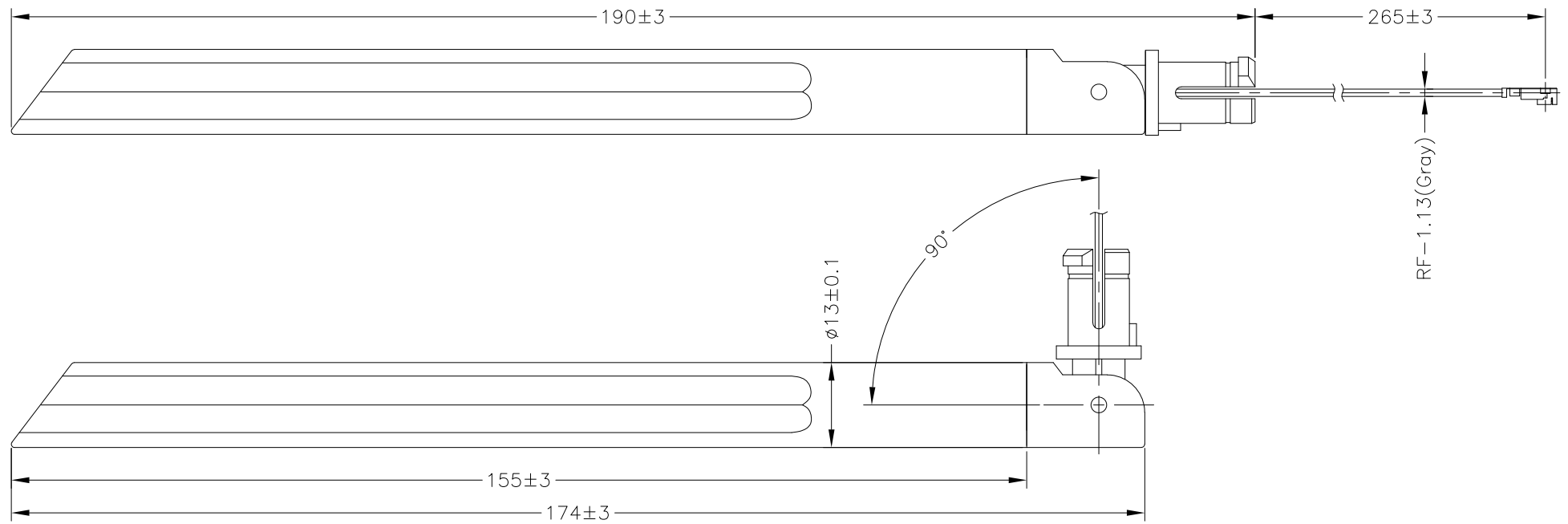
Antenna Brand Name: Chain 0: LYNWARE / AOX20X-051048-00

Antenna Brand Name : Chain 1: LYNWARE / AOX21X-051041-00

# 實照



Rev	Zone	Description	ENG	Approved	Date
A1		修改Cable, 由黑色80mm改為灰色265mm			2020/12/25
A2		修改外觀顏色, 由黑色改為白色			2021/01/18



- 備註:
- MHF compatible有方向性, 請依照圖面方向生產.
  - 外觀顏色: 白色

TOLERANCE		CUSTOMER		PART NO.		DESCRIPTION:		DWG NO.		REV.
XXX.	±1.0	----		----		Antenna		ADX20X-051041-00		A2
XX.	±0.5	PROJECTION		UNIT	SCALE	SIZE	SHEET			
X.	±0.3	⊕		mm	1:1	A4	1/1			
.X	±0.1	APPROVED:		DESIGNED:		DRAWN:				
No.	Description	Specification		Qty	.XX	±0.05	Anna		www.lynwave.com	

**LYNwave**  
www.lynwave.com

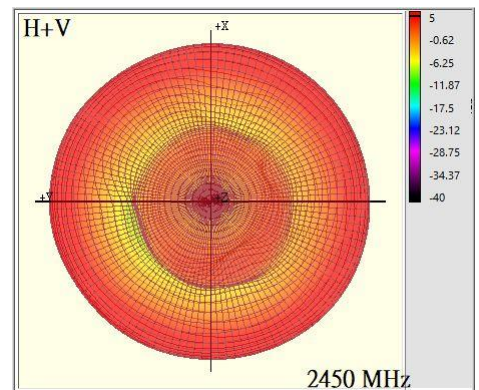
### Features

- Single band IEEE 802.11 b/g/n/ax standard
- Case mounting or on board mount
- High efficiency
- Quick integration



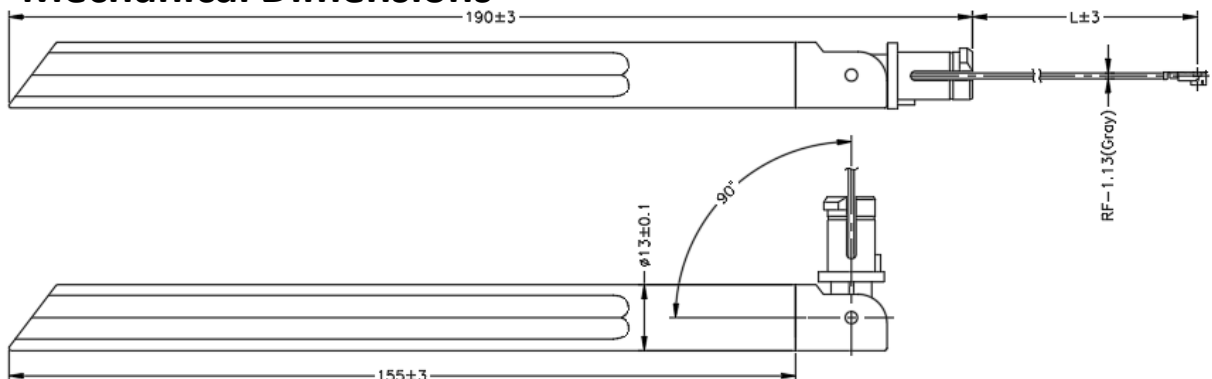
### Specification

Frequency (MHz)	2400 ~ 2500
Peak Gain (dBi)	4.4
VSWR	2.0:1
Power (Watts)	1
Impedance (Ohms)	50
Dimension (mm)	Ø13 x 190
Color	White
Connector	MHF compatible
Cable length (mm)	265
Operating Temp (°C)	-40°C ~ +85°C



2.45GHz

### Mechanical Dimensions



# 實照



F

E

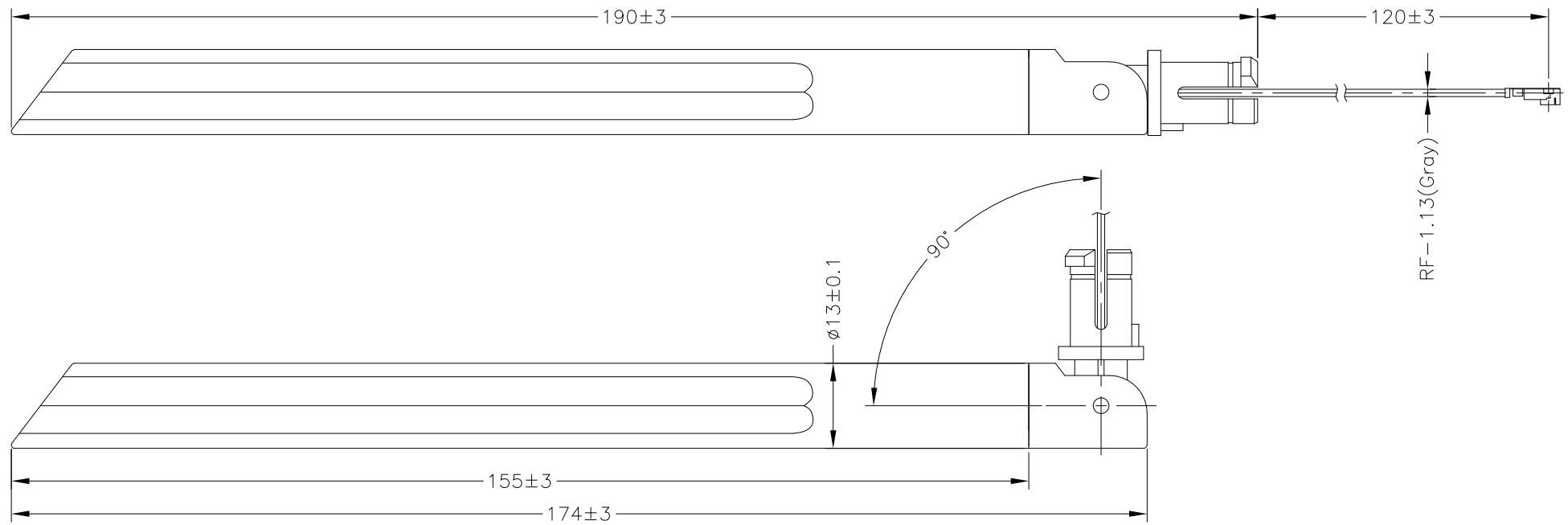
D

C

B

A

Rev	Zone	Description	ENG	Approved	Date



備註：  
 1.MHF compatible有方向性，請依照圖面方向生產。  
 2.外觀顏色：白色

TOLERANCE	CUSTOMER	PART NO.	DESCRIPTION:		DWG NO.	REV.
			UNIT	SCALE		
XXX. ±1.0	----	----	mm	1:1	ADX21X-051048-00	A0
XX. ±0.5	PROJECTION		mm	1:1	A4	1/1
X. ±0.3	APPROVED:	DESIGNED:			DRAWN:	Anna
.X ±0.1	-----	-----				
No.	Description	Specification	Qty	.XX ±0.05		



F

E

D

C

B

A

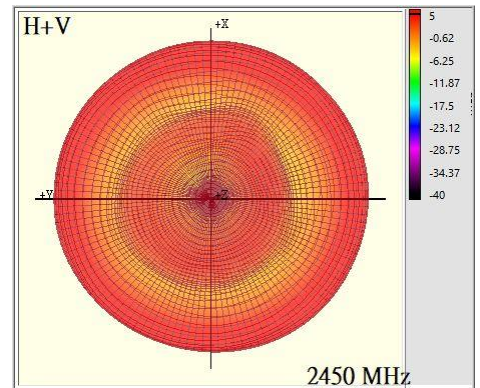
**Features**

- Single band IEEE 802.11 b/g/n/ax standard
- Case mounting or on board mount
- High efficiency
- Quick integration



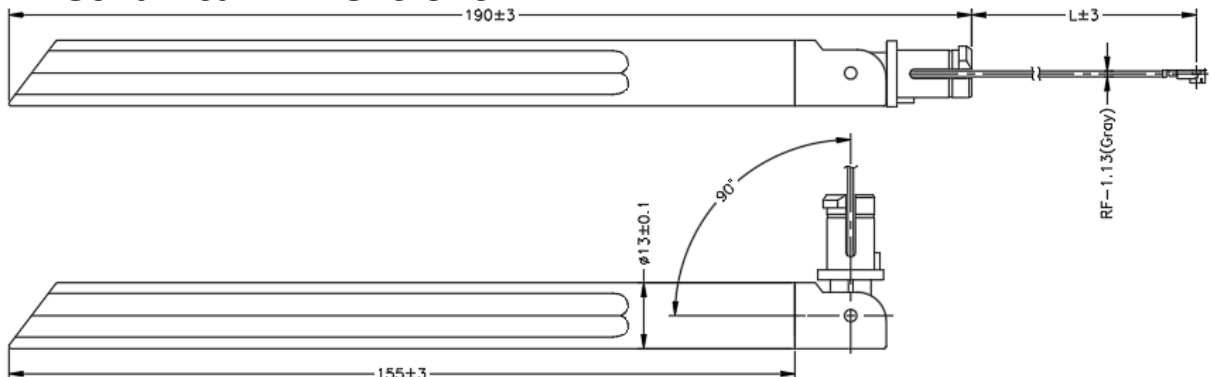
**Specification(Preliminary)**

Frequency (MHz)	2400 ~ 2500
Peak Gain (dBi)	4.8
VSWR	2.0:1
Power (Watts)	1
Impedance (Ohms)	50
Dimension (mm)	Ø13 x 190
Color	White
Connector	MHF compatible
Cable length (mm)	120
Operating Temp (°C)	-40°C ~ +85°C



2.45GHz

**Mechanical Dimensions**



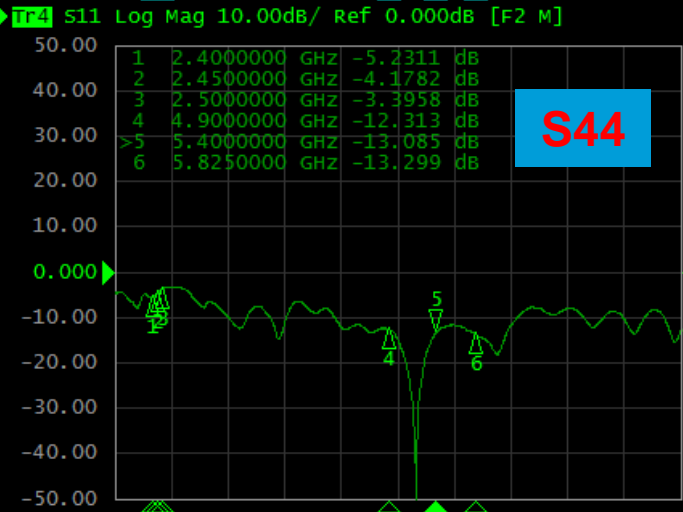
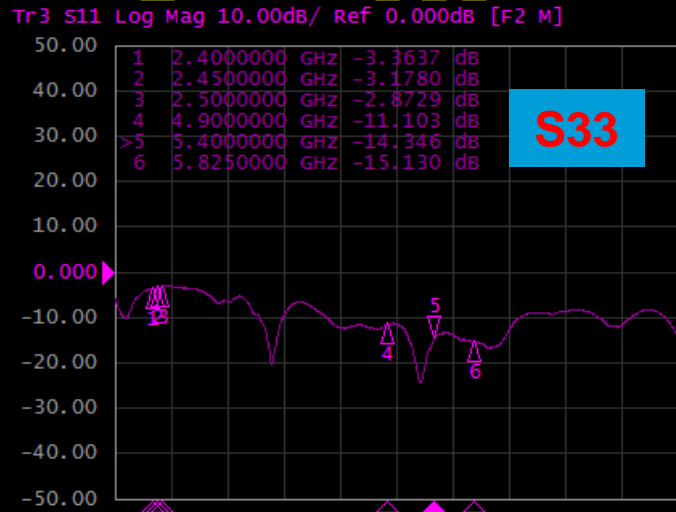
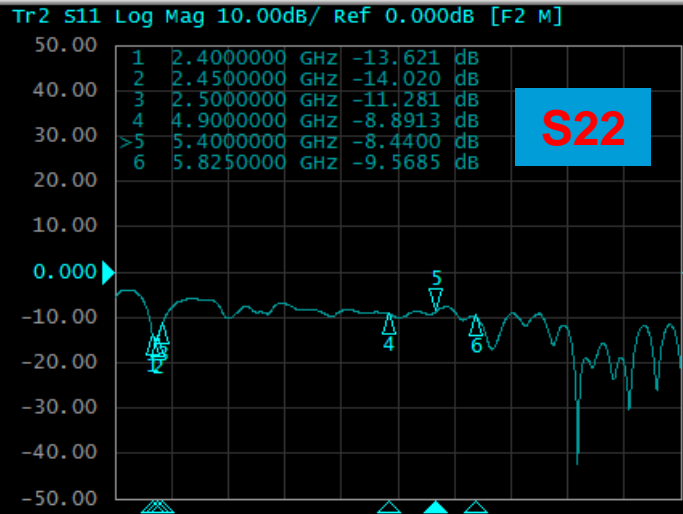
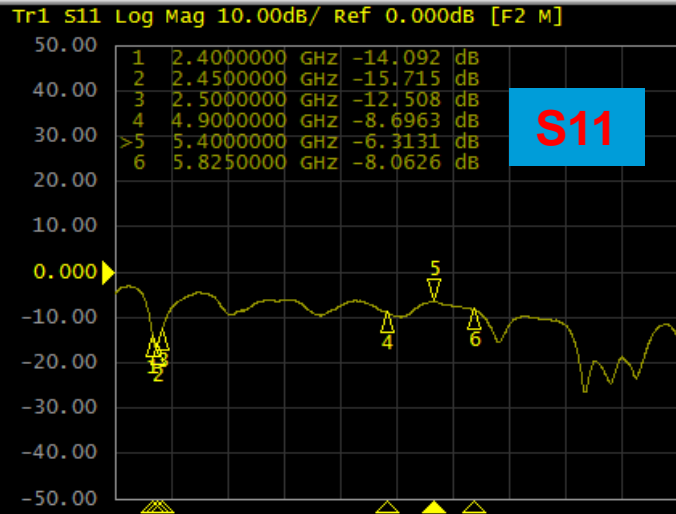
# Return Loss

LYNwave

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize



System

Print

Invert Image  
ON

Dump  
Screen Image...

Multiport Test Set  
Setup

Misc Setup

Backlight  
ON

Firmware  
Revision

Service Menu

Help

Return

1 Start 2 GHz

IFBW 70 kHz

Stop 8 GHz Cor



# Isolation

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

▶ Tr1 S21 Log Mag 10.00dB/ Ref 0.000d Tr2 S21 Log Mag 10.00dB/ Ref 0.000d Tr3 S21 Log Mag 10.00dB/ Ref 0.000d

System

Print

Invert Image  
ON

Dump  
Screen Image...

Multiport Test Set  
Setup

Misc Setup

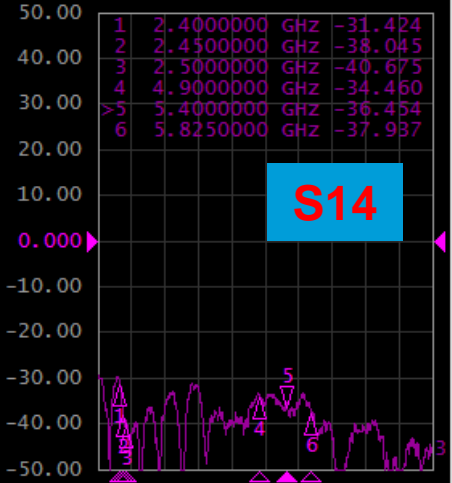
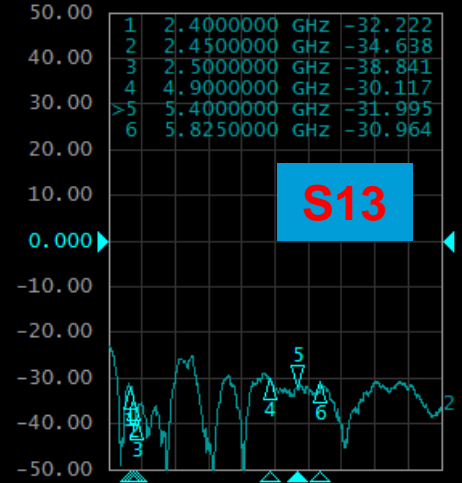
Backlight  
ON

Firmware  
Revision

Service Menu

Help

Return



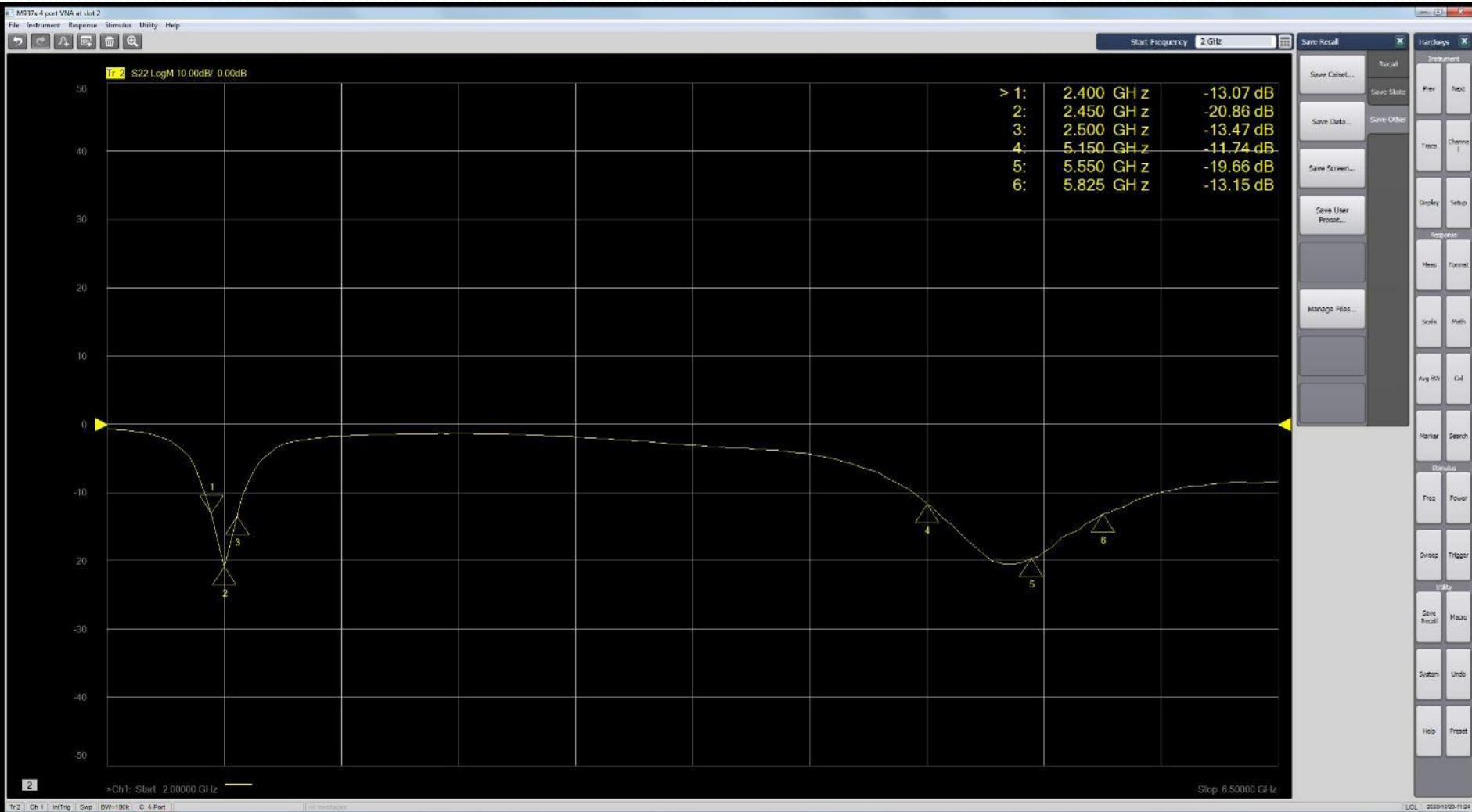
1 Start 2 GHz

IFBW 70 kHz

Stop 8 GHz Cor

# DFS S-parameter

LYNwave

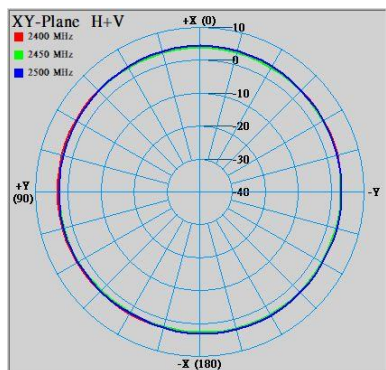


# Ant.1\_2.4GHz 2D.3D Radiation Pattern

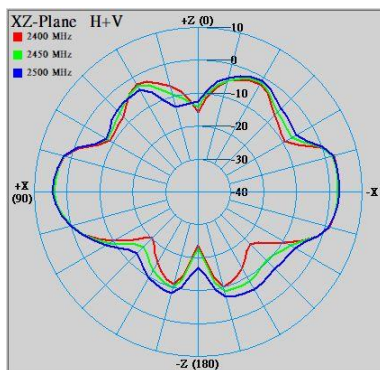
Frequency(MHz) : 2D. 2400~2500  
3D. 2450

Radiation Pattern :

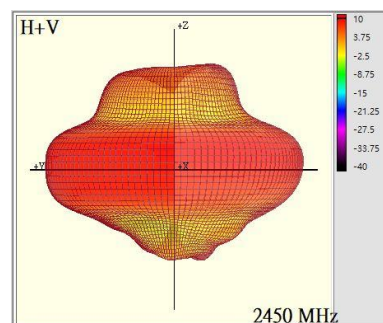
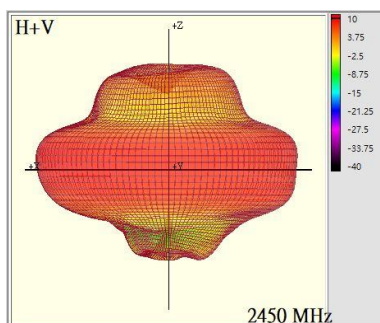
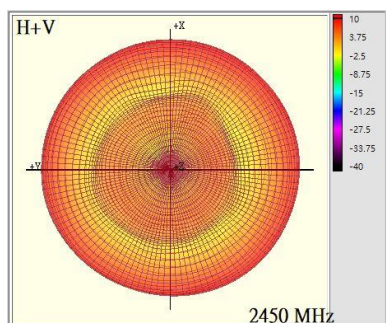
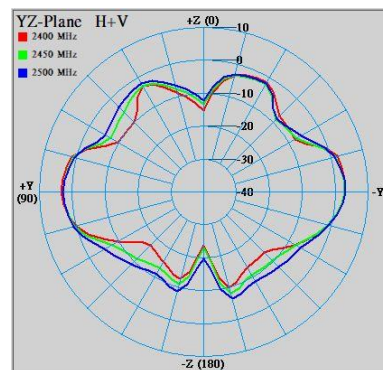
Azimuth Plane



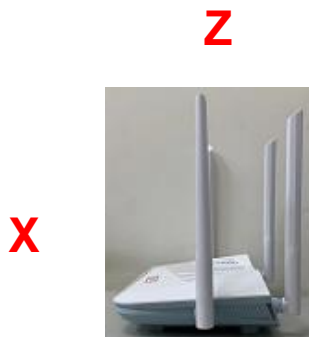
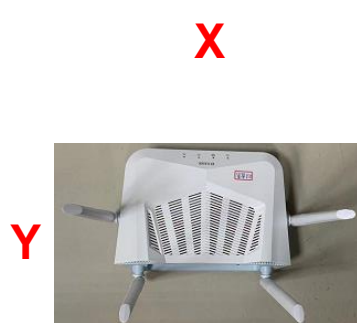
Elevation Plane  
phi = 0



Elevation Plane  
phi = 90



Setup :



# Ant.2\_2.4GHz 2D.3D Radiation Pattern

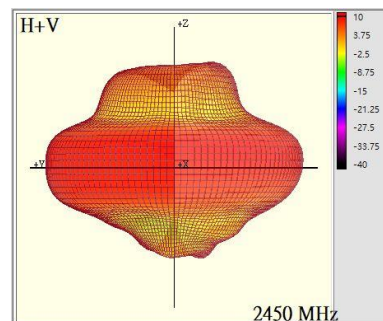
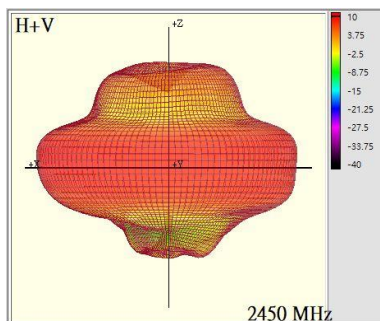
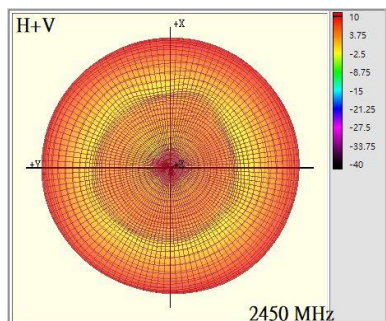
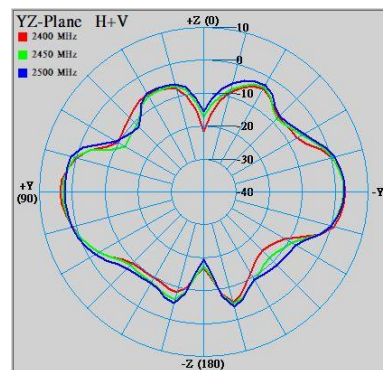
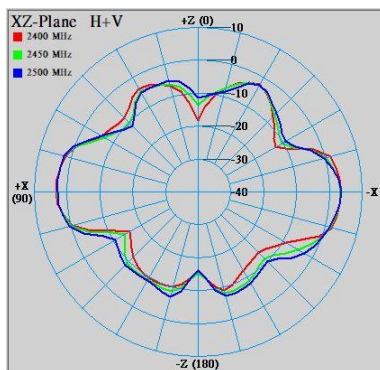
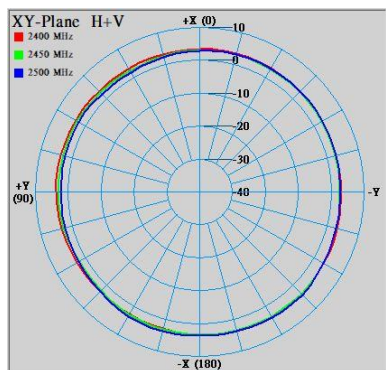
Frequency(MHz) : 2D. 2400~2500  
3D. 2450

Radiation Pattern :

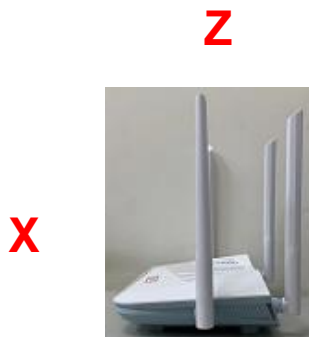
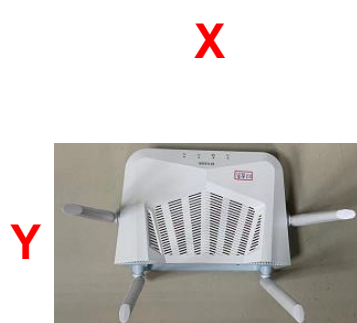
Azimuth Plane

Elevation Plane  
phi = 0

Elevation Plane  
phi = 90



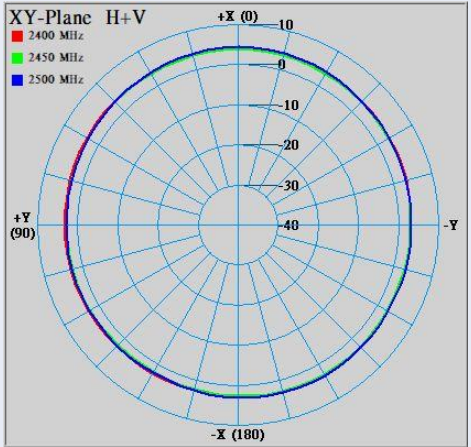
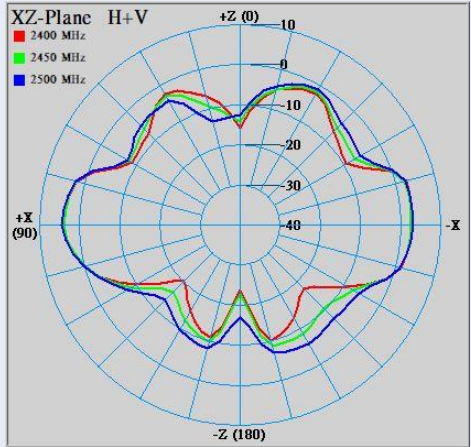
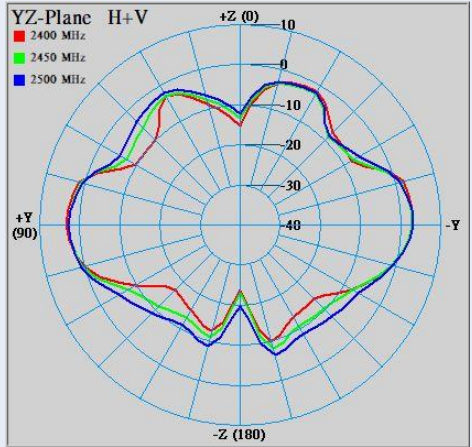



Setup :





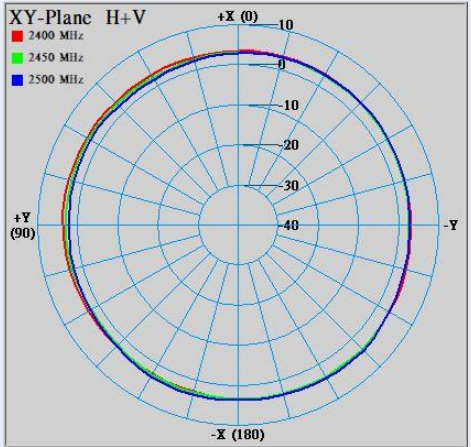
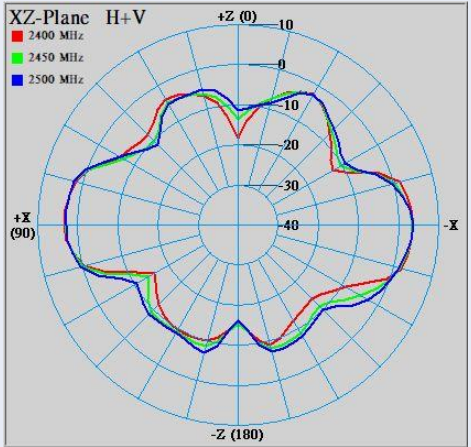
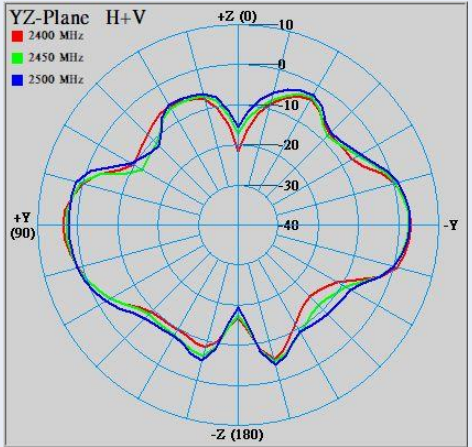



# Ant.1 2.4GHz 2D Radiation Pattern

LYNwave

Frequency(MHz)	2400~2500		
Plane	XY	XZ	YZ
Radiation Pattern			
Setup			

# Ant.2 2.4GHz 2D Radiation Pattern

LYNwave

Frequency(MHz)	2400~2500		
Plane	XY	XZ	YZ
Radiation Pattern			
Setup			

# Gain Table

LYNwave

	Ant.1		
Frequency (MHz)	2400	2450	2500
Peak Gain(dBi)	4.0	4.8	4.5
Efficiency(%)	71	74	72
	Ant.2		
Frequency (MHz)	2400	2450	2500
Peak Gain(dBi)	4.0	4.4	4.1
Efficiency(%)	75	76	72