

WIFI 2.4G

Antenna Type /Gain : PCB Antenna

Chain 0: Gain: 2.54 dBi

Chain 1: Gain: 2.56 dBi

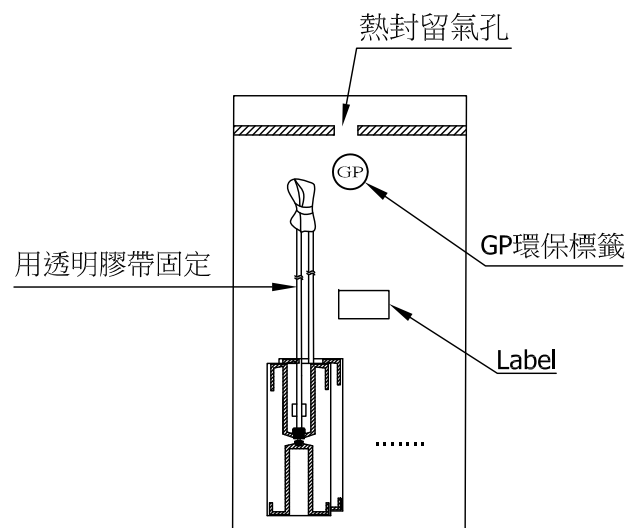
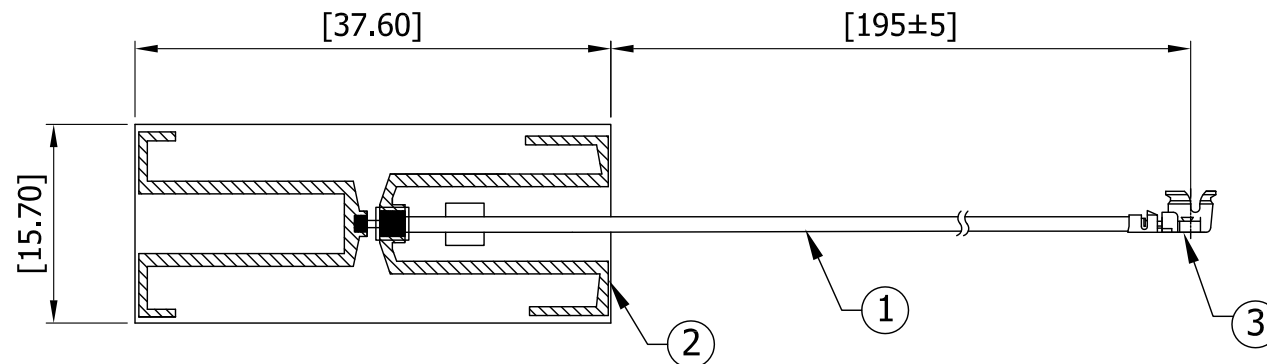
Power Directional Gain: 5.56 dBi

Antenna Brand/Model : Chain 0: WHA YU GROUP / C1958-510024-A

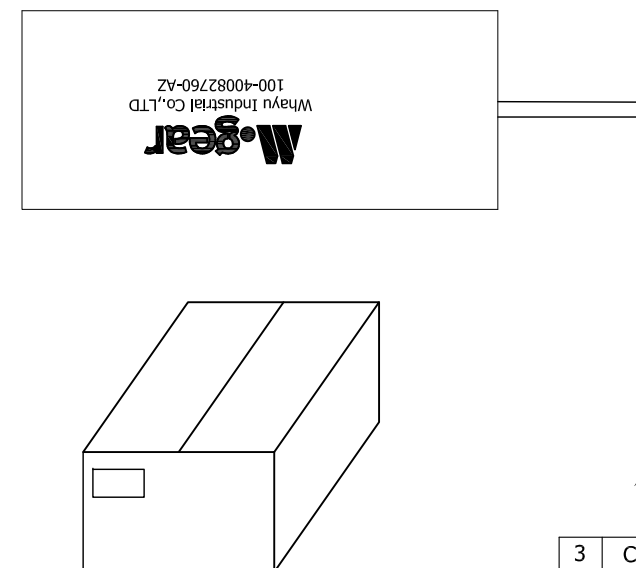
Chain 1: WHA YU GROUP / C1958-510025-A

CG-

REV	DATE	DESCRIPTION
X1	01/24-2022	New Issue



Packing : 25 pcs/bag
2000pcs/carton



外箱標籤貼於側麥左上角1PCS

備註：本產品以珍珠棉帶包裝端子，PE袋包裝成品，包裝箱內以間隔板隔開。

3	Connector	KS-MHF Connector(KS-MHF-37-N-01)	1	
2	PCB	FR4 ; 31mil ; 1/2 Oz	1	Black Plated
1	Cable	Φ1.37mm Low Loss Cable,Gray[灰色]	1	L=215mm
NO	DESCRIPTION			Q'TY
				REMARK

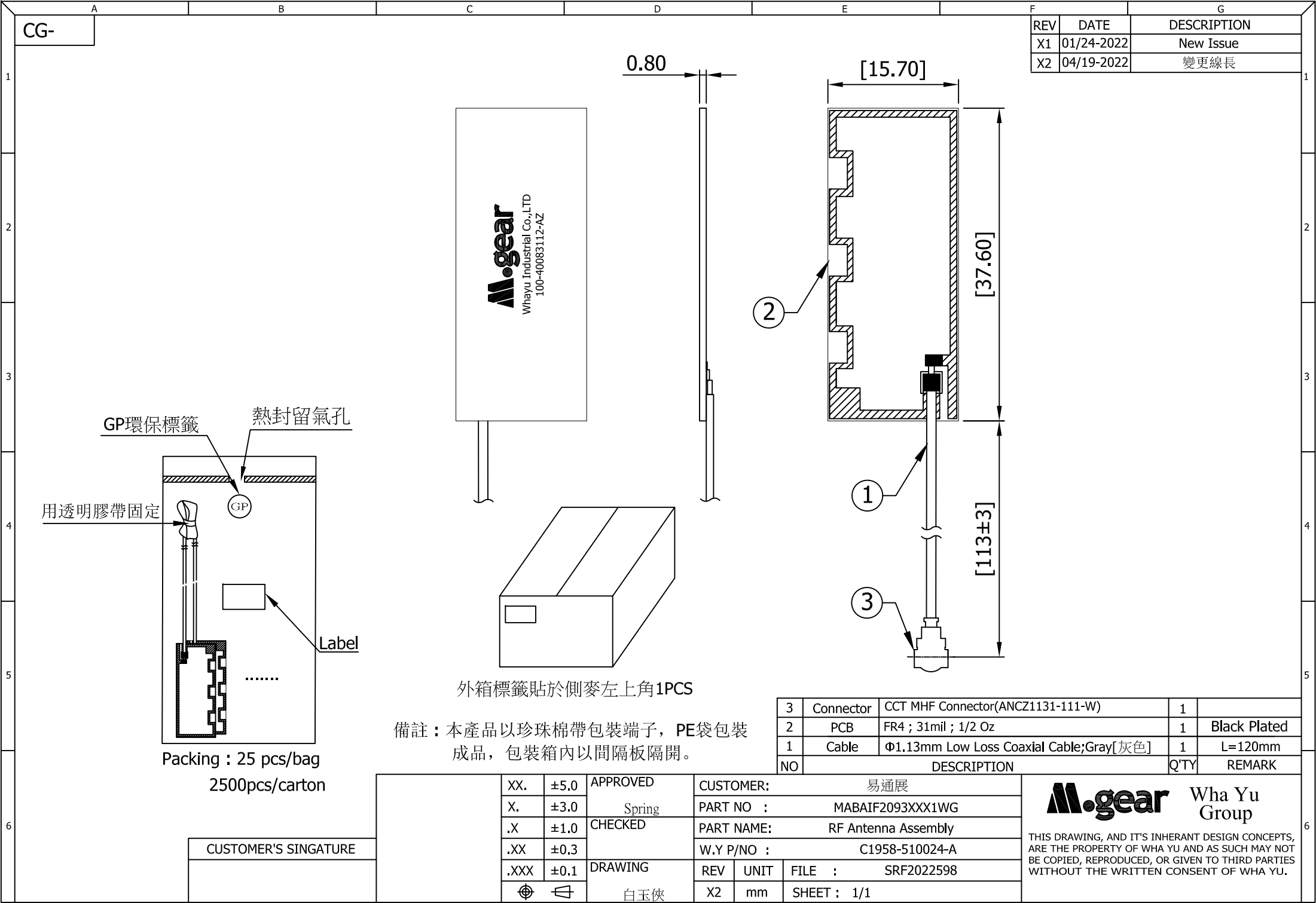
CUSTOMER'S SINGATURE

XX.	±5.0	APPROVED Spring
X.	±3.0	
.X	±1.0	CHECKED
.XX	±0.3	
.XXX	±0.1	DRAWING 白玉俠
⊕	⊖	

CUSTOMER: 易通展		
PART NO : MABAIF2195XXX2WG		
PART NAME: RF Antenna Assembly		
W.Y P/NO : C1958-510025-A		
REV	UNIT	FILE : SRF2022598
X1	mm	SHEET : 1/1

M.gear Wha Yu Group

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REV	DATE	DESCRIPTION
X1	01/24-2022	New Issue
X2	04/19-2022	變更線長

外箱標籤貼於側麥左上角1PCS

備註：本產品以珍珠棉帶包裝端子，PE袋包裝成品，包裝箱內以間隔板隔開。

3	Connector	CCT MHF Connector(ANCZ1131-111-W)	1	
2	PCB	FR4 ; 31mil ; 1/2 Oz	1	Black Plated
1	Cable	Φ1.13mm Low Loss Coaxial Cable;Gray[灰色]	1	L=120mm
NO	DESCRIPTION			Q'TY
				REMARK

CUSTOMER'S SINGATURE

XX.	±5.0	APPROVED
X.	±3.0	Spring
.X	±1.0	CHECKED
.XX	±0.3	
.XXX	±0.1	DRAWING
⊕	⊖	白玉俠

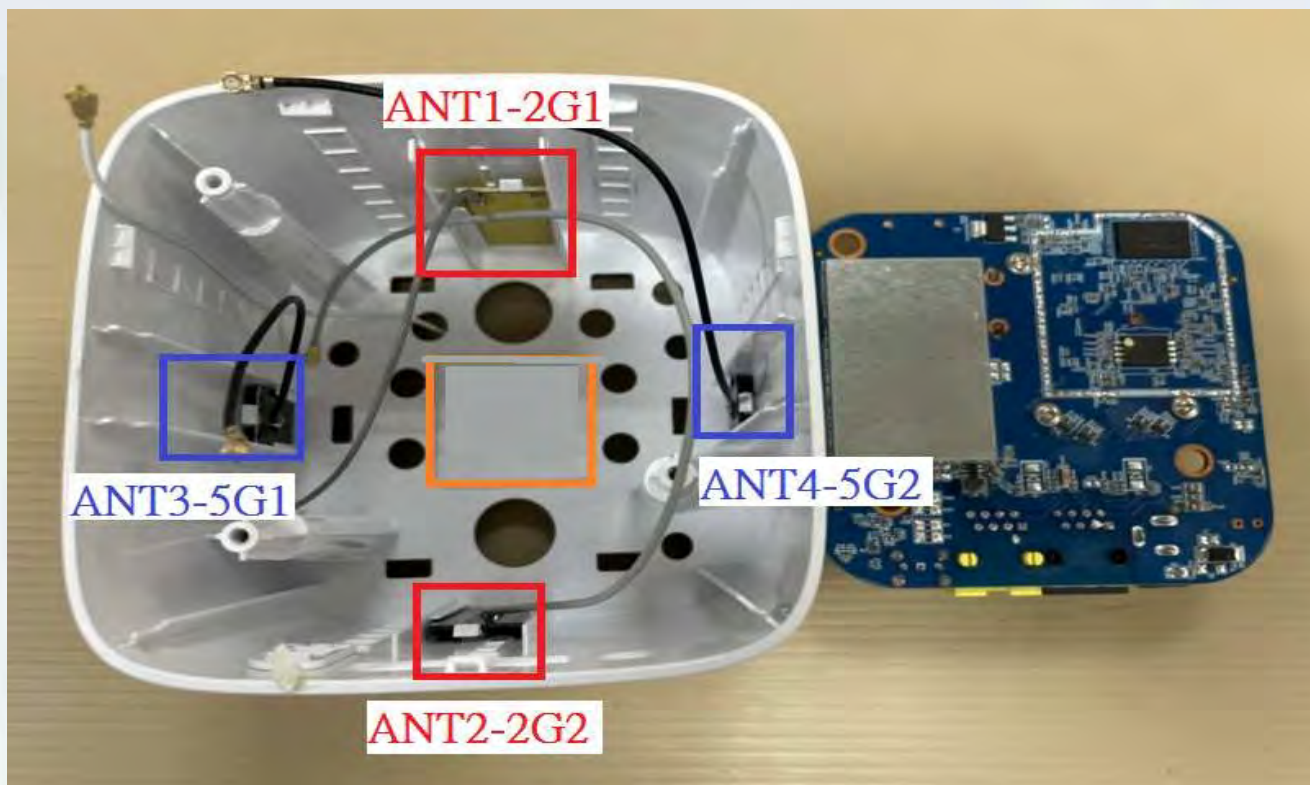
CUSTOMER: 易通展		
PART NO : MABAIF2093XXX1WG		
PART NAME: RF Antenna Assembly		
W.Y P/NO : C1958-510024-A		
REV	UNIT	FILE : SRF2022598
X2	mm	SHEET : 1/1



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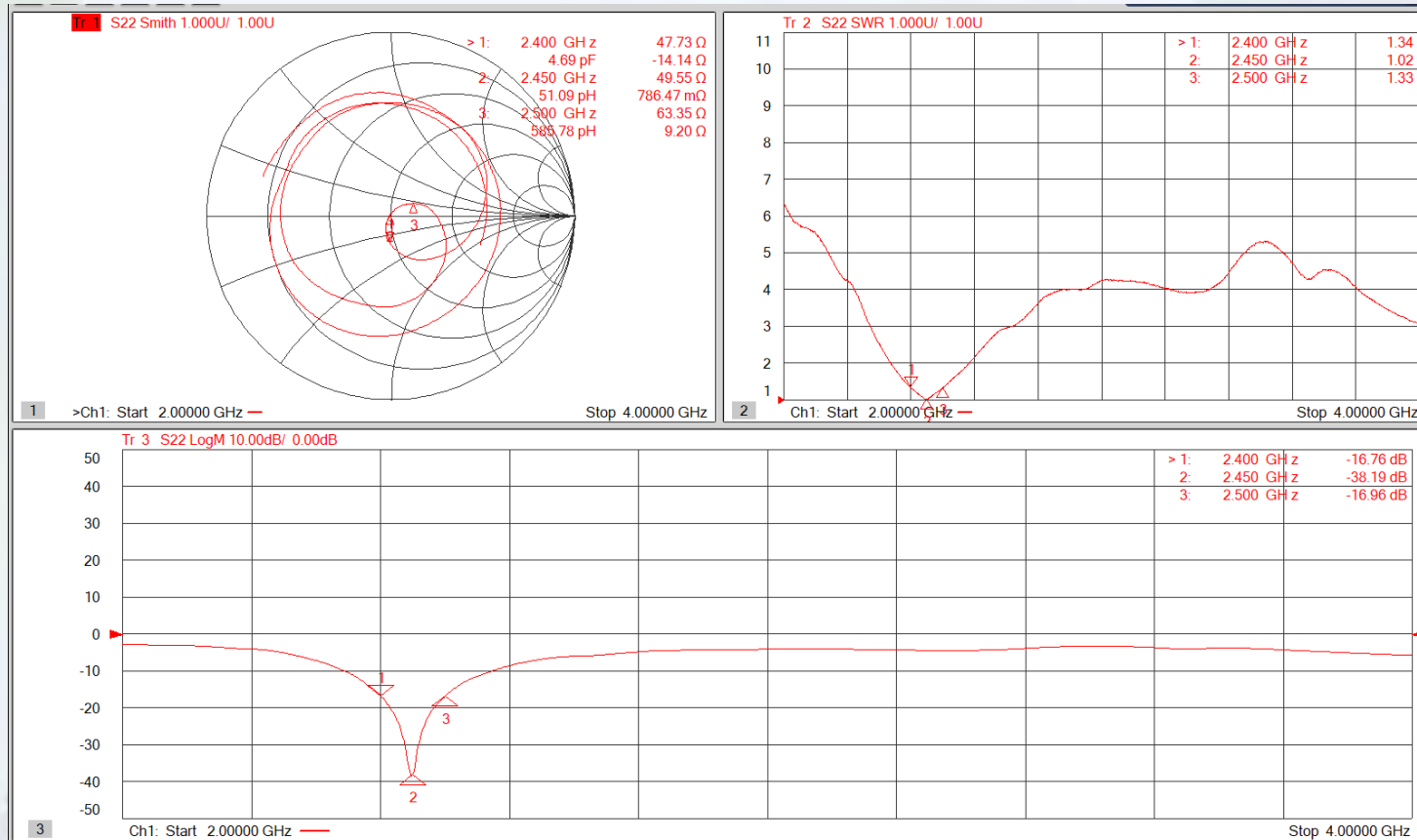
Antenna Placement & Solution



Antenna	Size (L * W * H) mm ³	Cable Length (mm)	Cable Type
2G1	37.6*15.7*0.8	總長120/外露113(灰)	1.13 low loss
2G2	37.6*15.7*0.8	總長215 /外露195(灰)	1.37 low loss
5G1	20.6*12*0.8	總長 104 /外露92	1.37 low loss
5G2	20.6*12*0.8	(黑)總長136 /外露124	1.37 low loss
			1.13 Normal

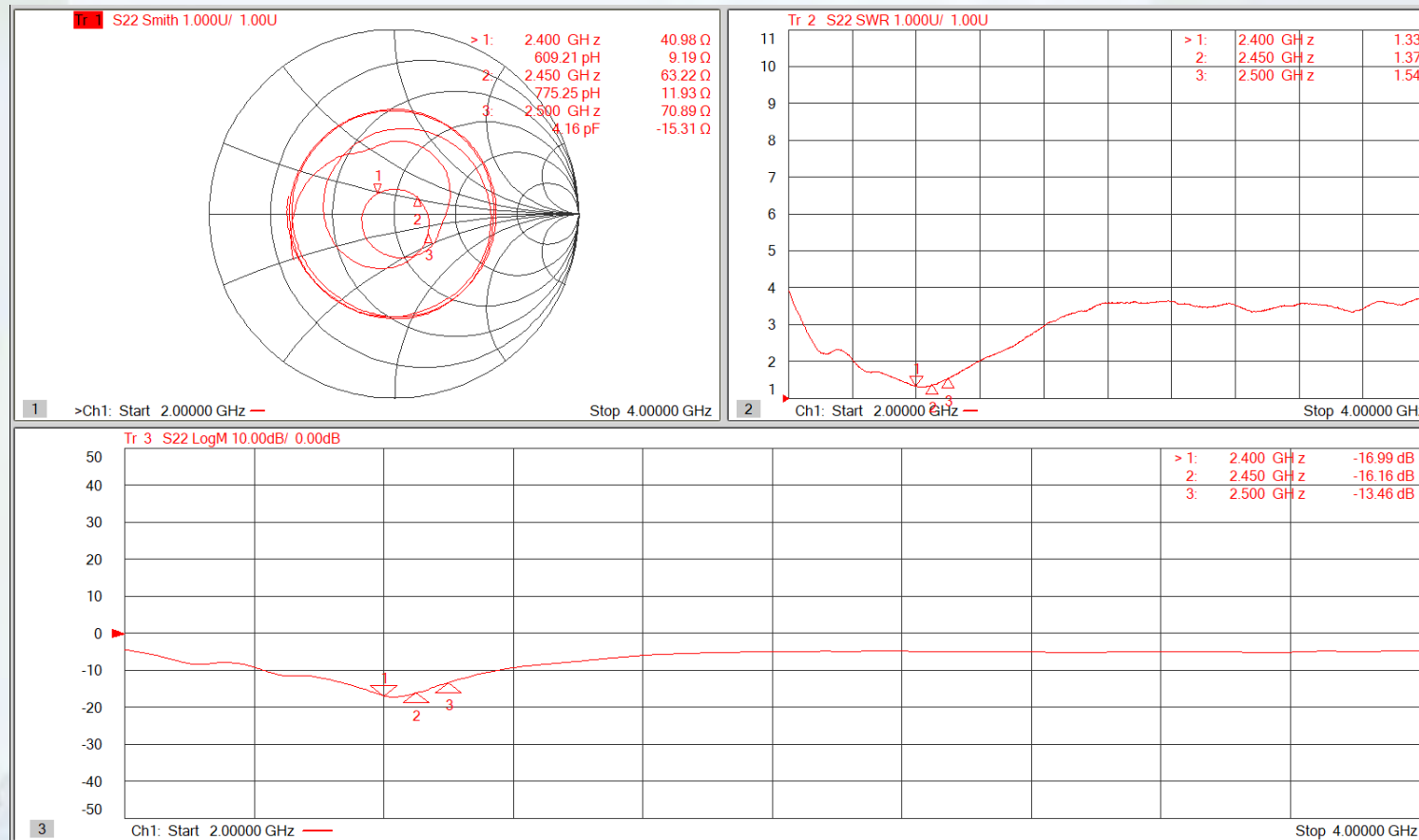
Return Loss Results

2G1 (2400MHz – 2500MHz) (Criterion:>10 dB)



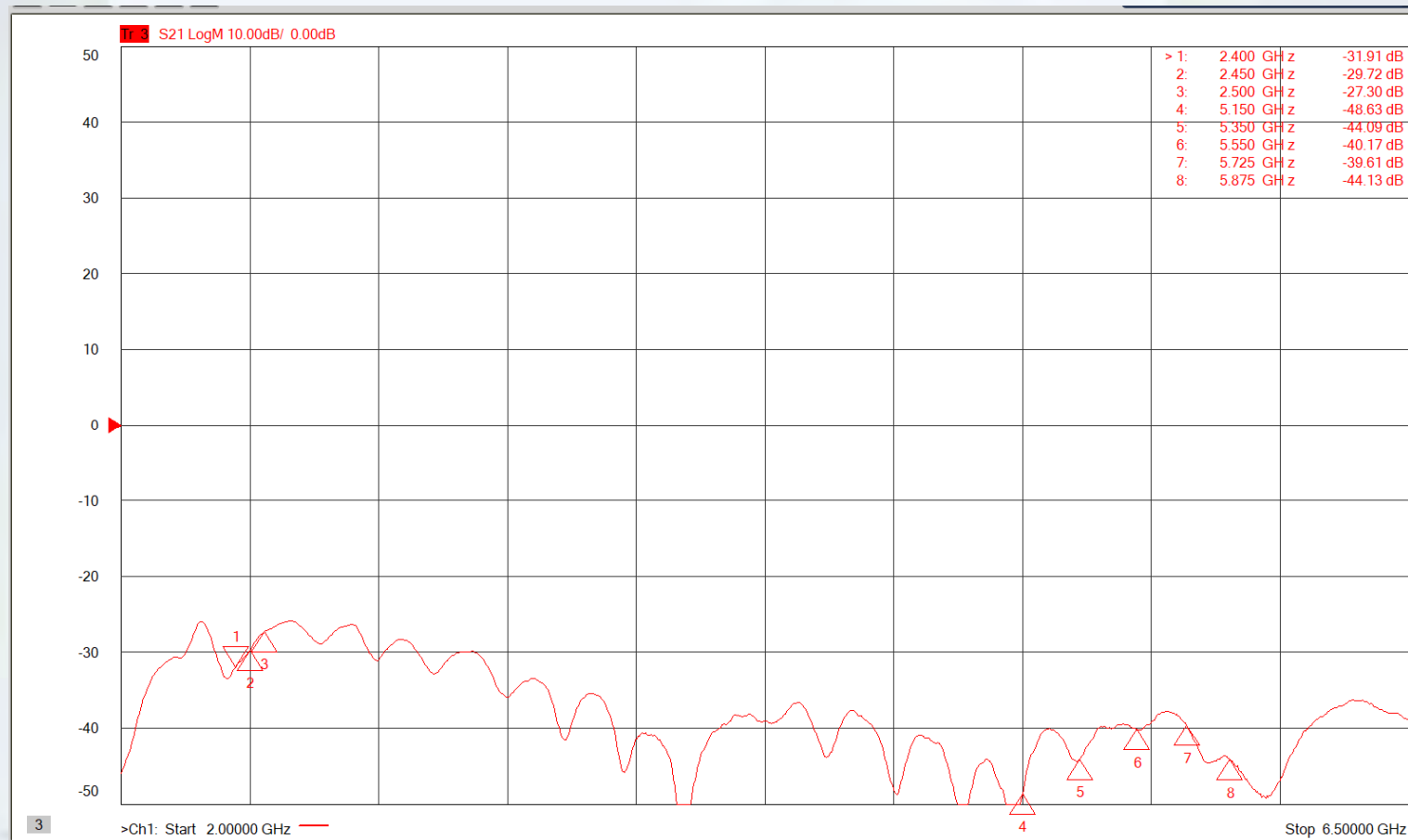
Return Loss Results

2G2 (2400MHz – 2500MHz) (Criterion:>10 dB)



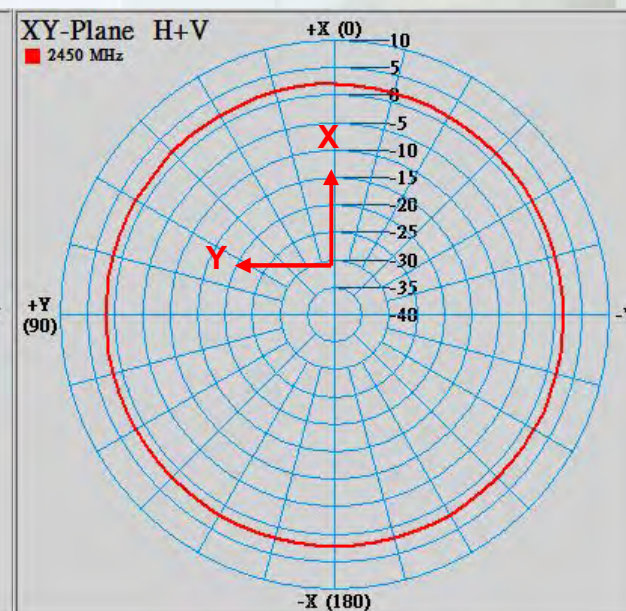
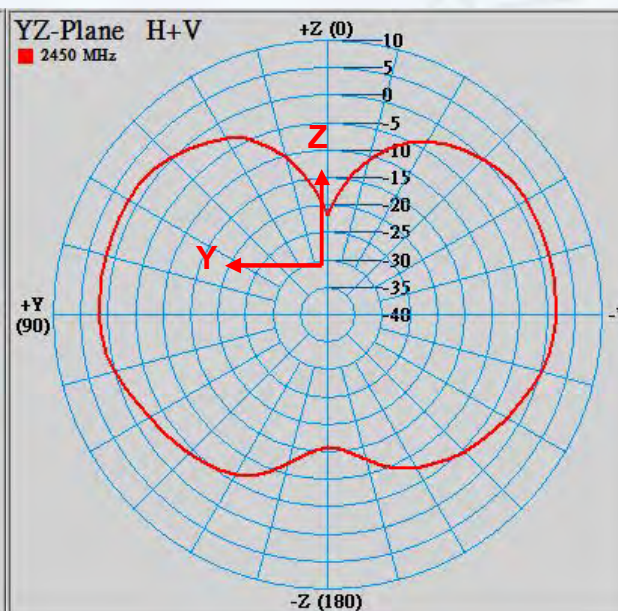
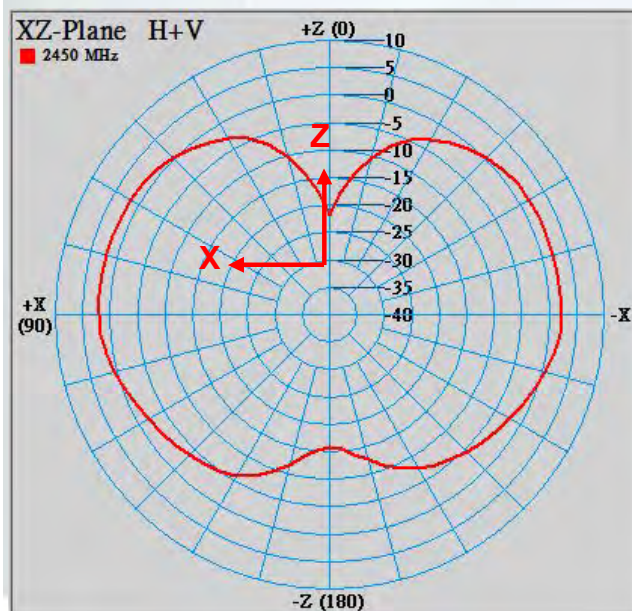
Isolation Results

2G1 & 2G2 (Criterion:>20 dB)



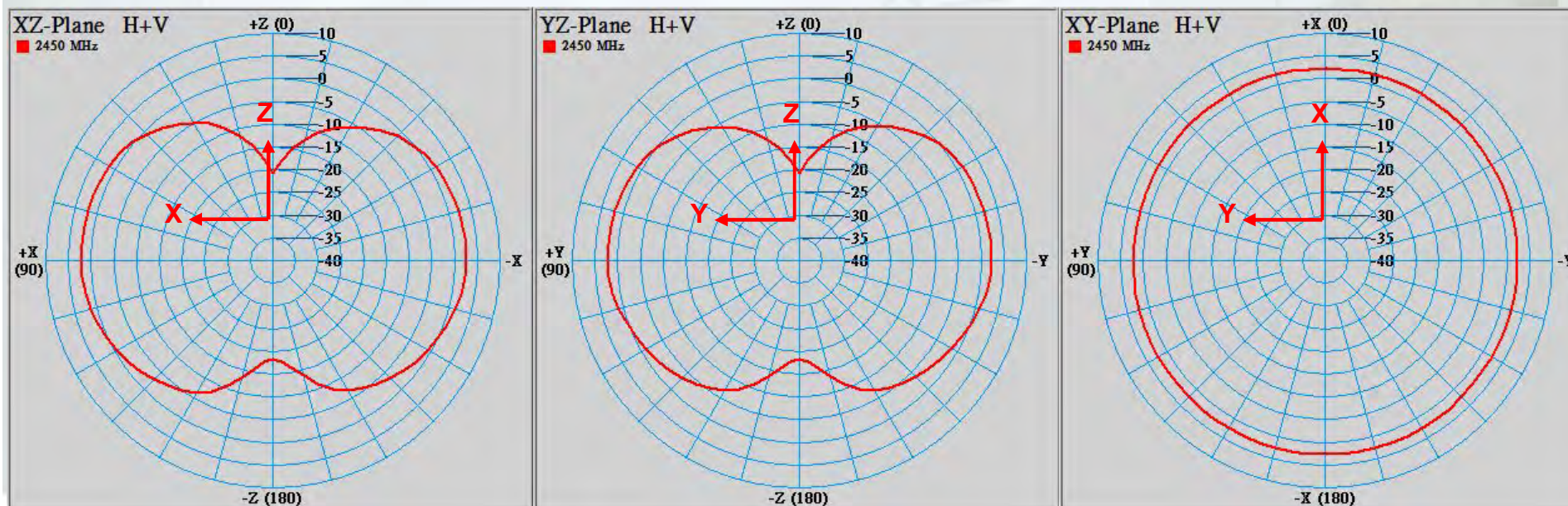
2D Radiation Pattern Results

2G1



2D Radiation Pattern Results

2G2



Results Summary

	Ant_2G1		Ant_2G2	
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)
2400	2.36	84	2.46	83
2450	2.54	85	2.56	84
2500	2.57	85	2.63	82