



上海增信电子有限公司
Signal Plus Technology Co., Ltd.

规格承认书
SPECIFICATION FOR APPROVAL

日期
DATE: 2021.10.13

版本
REV.: A

客 户
CUSTOMER: _____

客 户 料 号
CUSTOMER P/N: _____

品 名
PART NAME: 2.4-2.5GHz&5.15-5.85GHz 4dBi PCB antenna white 220mm 1.37 LL cable with RF CONN connector and foam for Oban 50

供 方 料 号
SUPPLIER P/N: 6000F00067

送样日期Date: _____ 送样数量Q'TY: _____ Pcs

客户确认CUSTOMER APPROVED BY		
核准 Approved by	审核 Checked by	确认 Confirmed by

供方确认SUPPLIER SIGNATURE		
核准 Approved by	审核 Checked by	拟制 Prepared by
Andy		Cindy

ZX-QT-RD-0011-A1

Add:上海市徐汇区桂箐路69号30栋603室 Tel:021-54266190 Fax:021-54266191

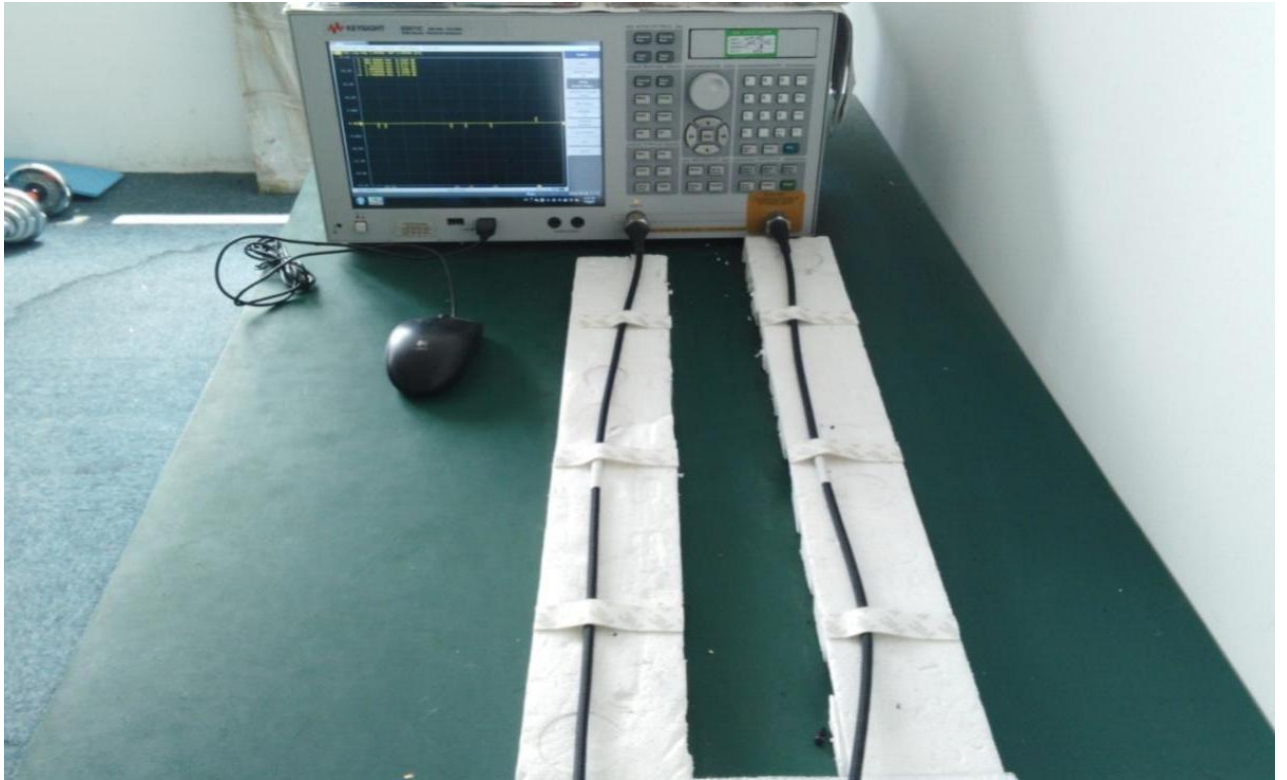
Antenna Solution



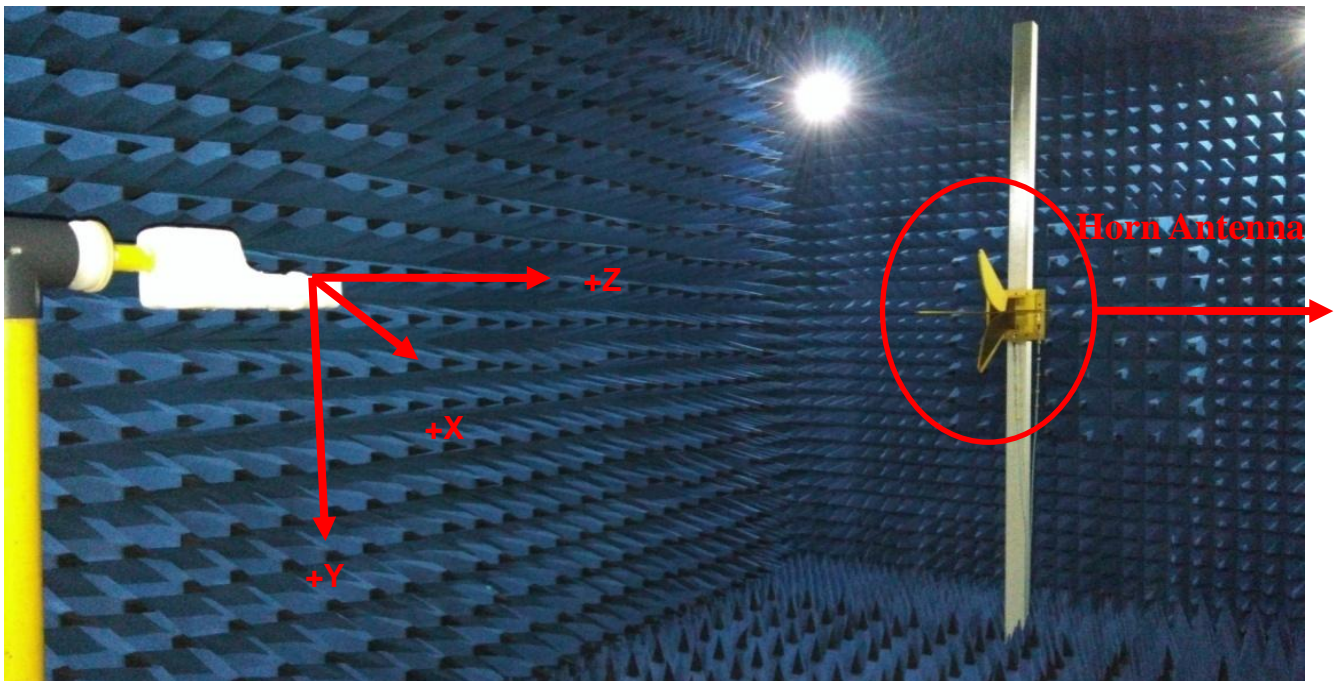
1. RF Fixture Experiment

1.1 Test Setup

1.1.1 VNA Test Setup



1.1.2 Anechoic Chamber Test Setup



Data Preview

2.4&5G-1:

Freq.(MHz)	2400	2450	2500	5150	5350	5450	5550	5750	5850
VSWR	1.35	1.15	1.08	1.25	1.41	1.33	1.28	1.51	1.63
Gain(dBi)	4.07	4.01	4.04	3.37	3.24	3.34	3.64	3.30	3.60

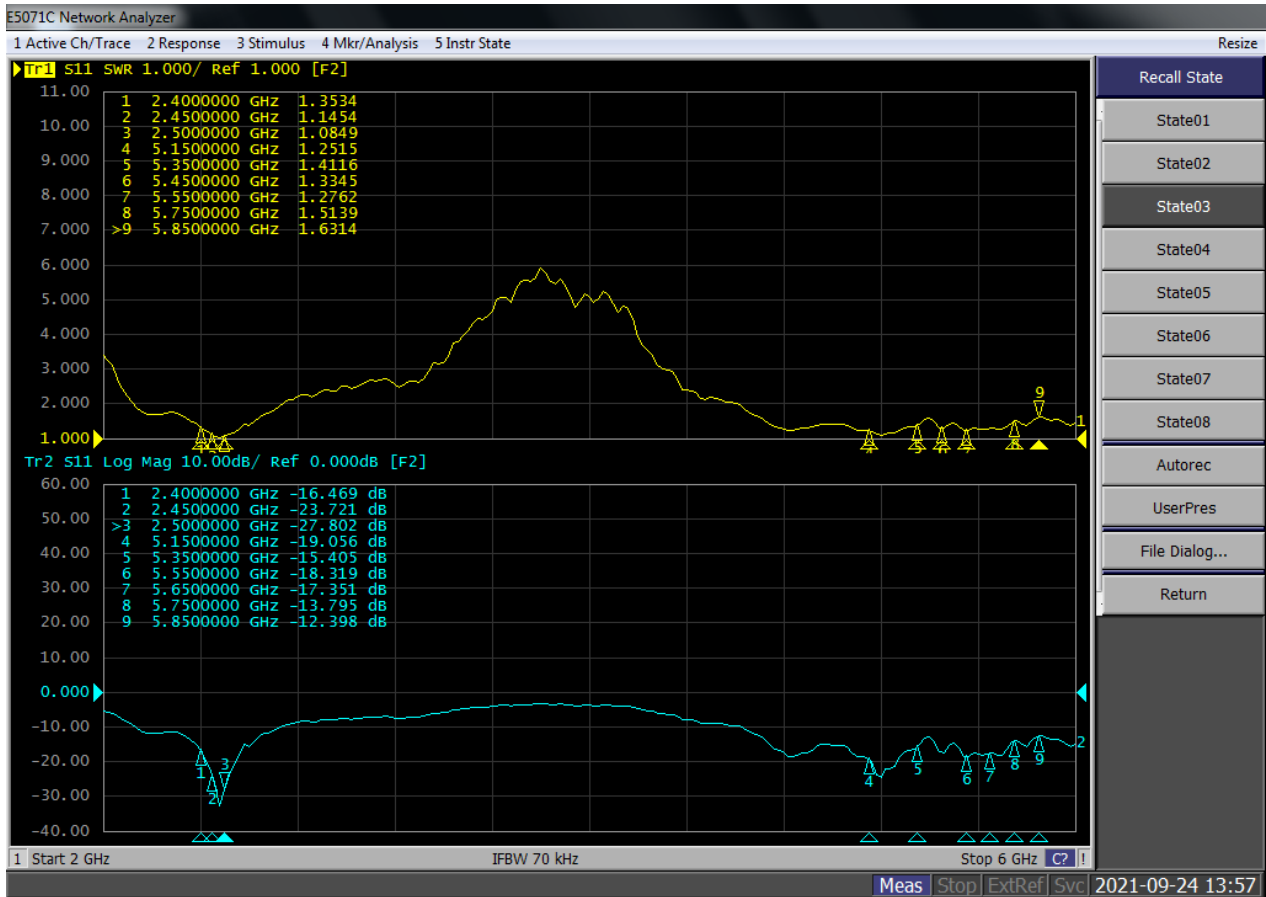
2.4&5G-2:

Freq.(MHz)	2400	2450	2500	5150	5350	5450	5550	5750	5850
VSWR	1.48	1.29	1.17	1.16	1.68	1.33	1.21	1.75	1.71
Gain(dBi)	4.08	4.09	4.07	3.48	3.15	3.47	3.64	3.24	3.58

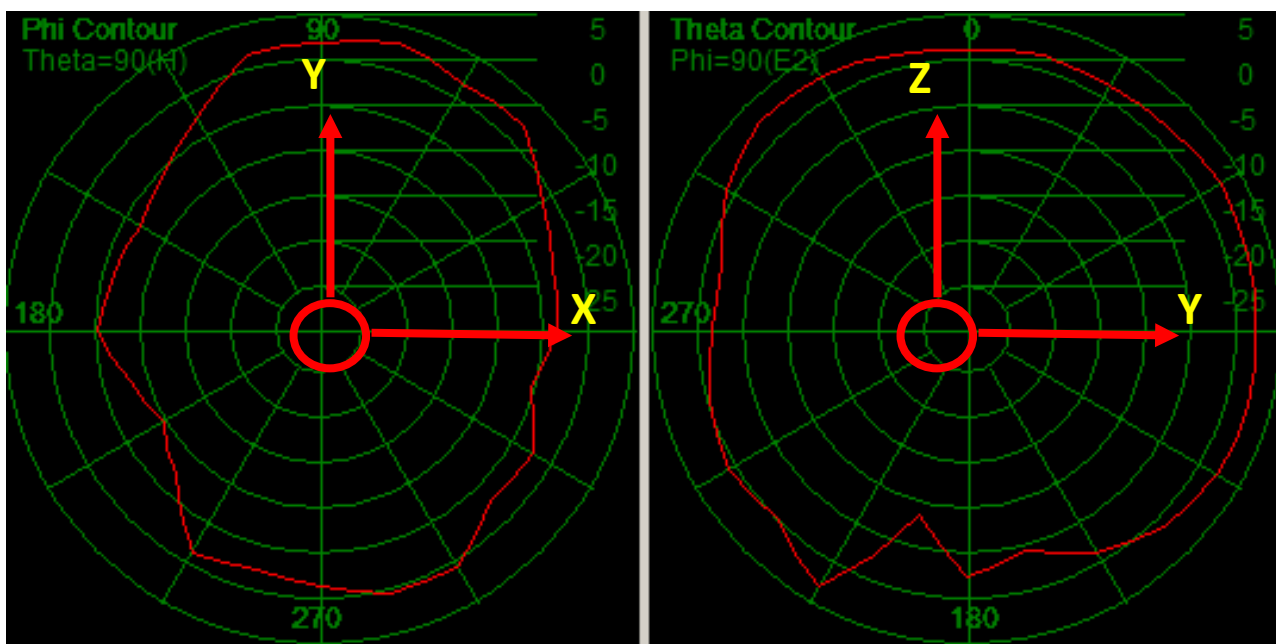
S21-Ant1,Ant2

Freq.(MHz)	2400	2450	2500	5150	5350	5450	5550	5750	5850
Isolation(dB)	-37.96	-34.74	-34.91	-35.14	-38.77	-39.35	-40.18	-39.06	-38.60

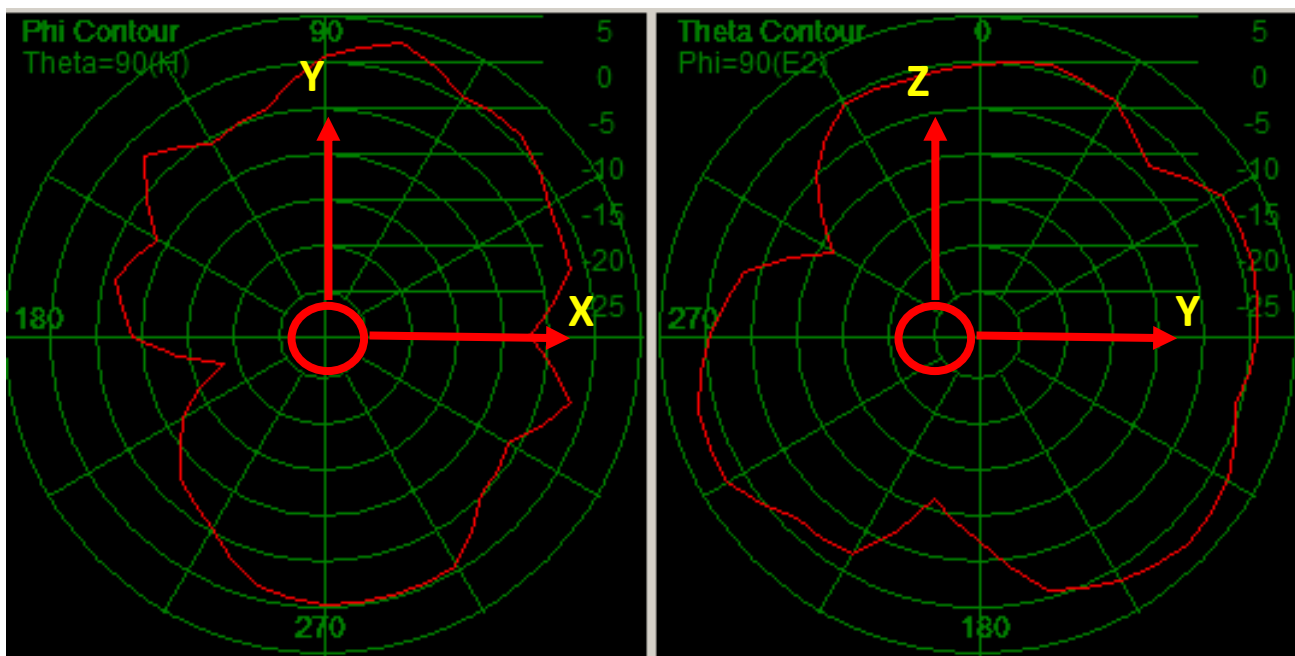
S11(2.4G&5G-Ant1)



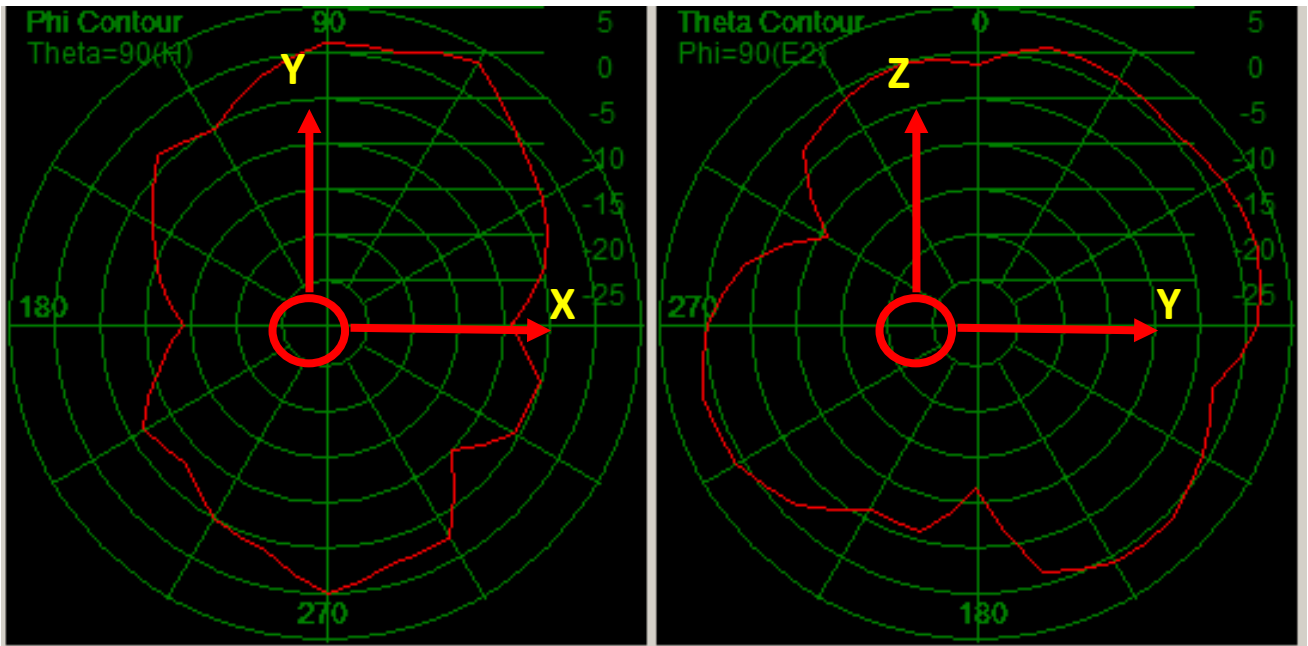
Radiation patterns:2D:2450MHz



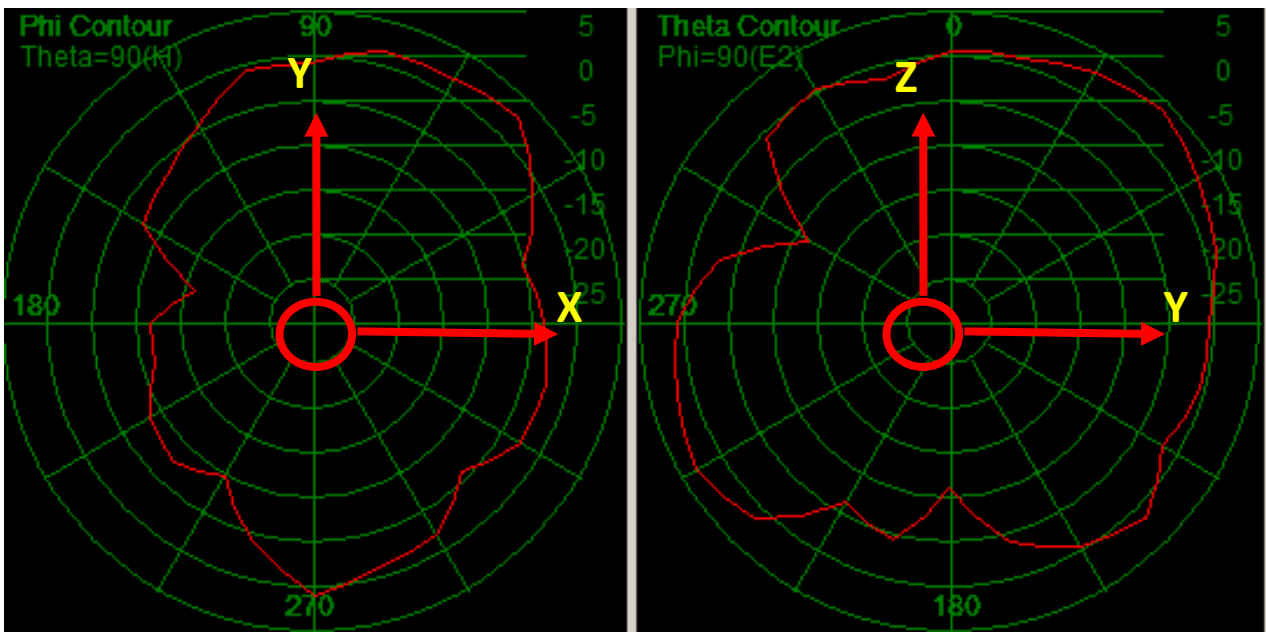
Radiation patterns:2D:5150MHz



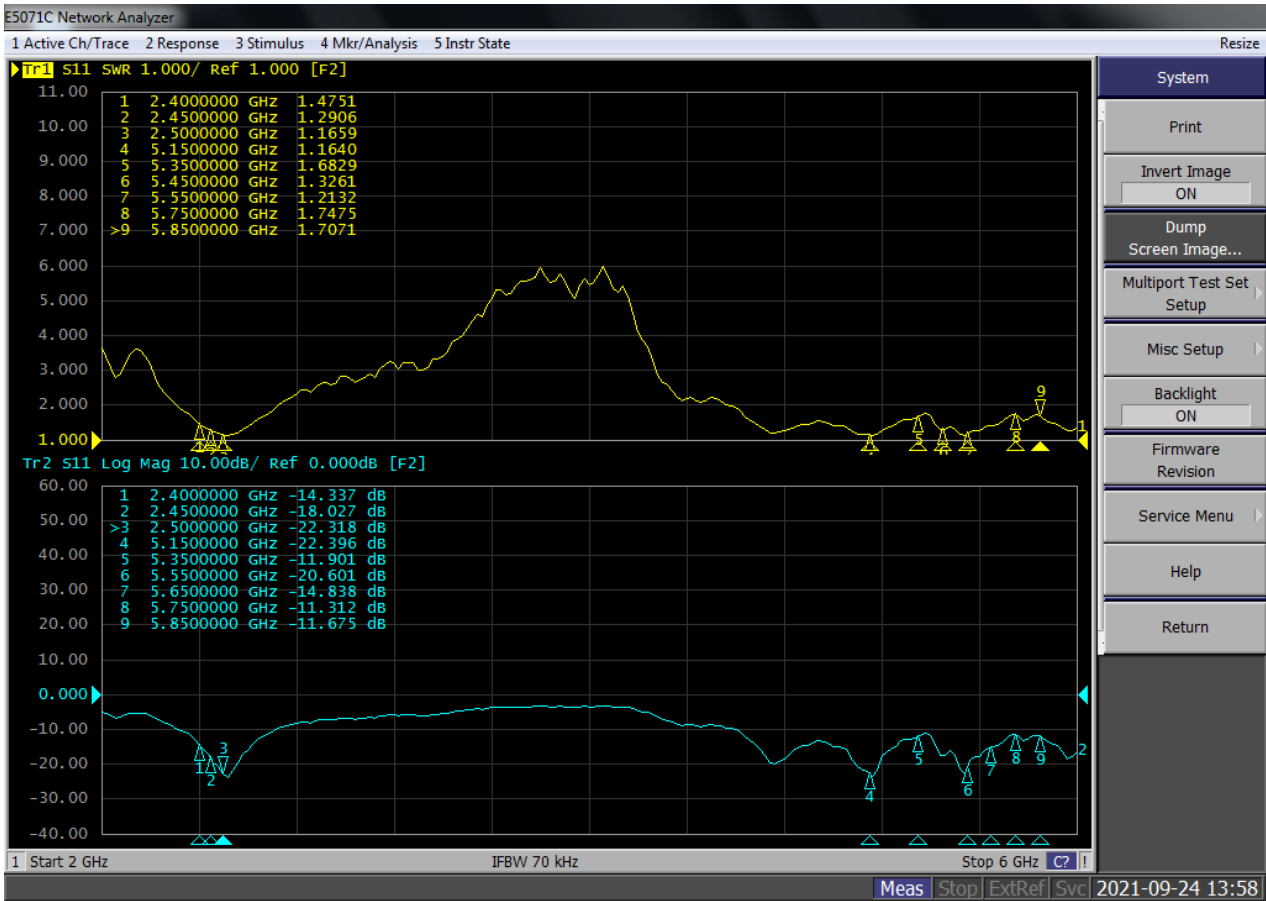
Radiation patterns:2D:5550MHz



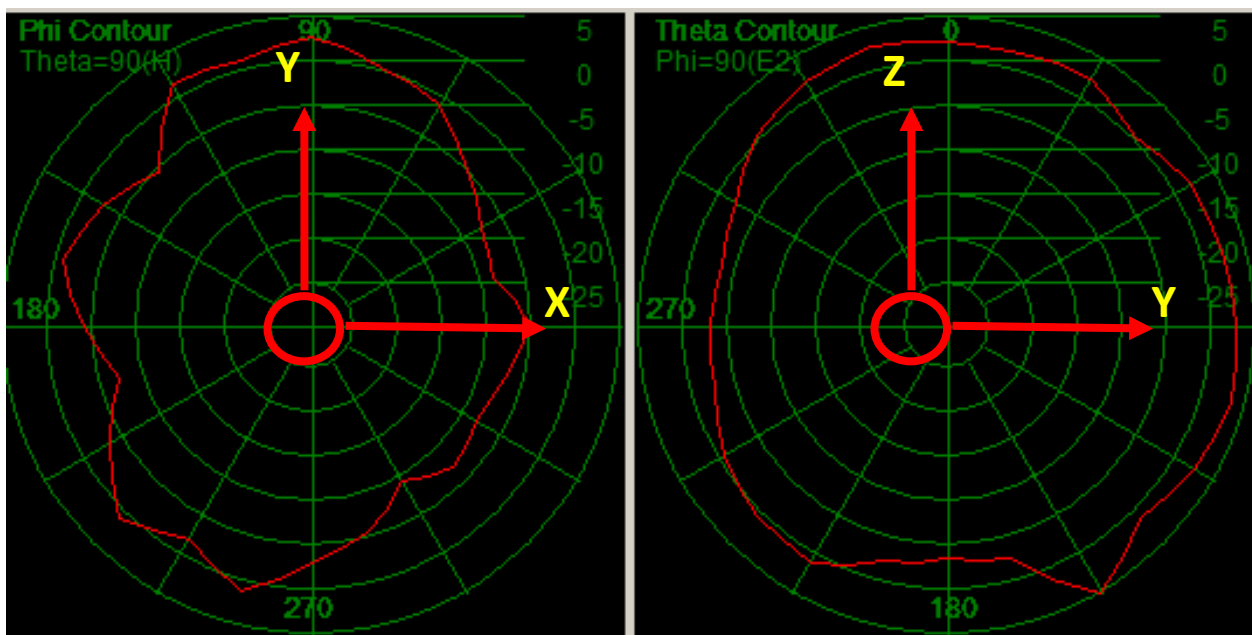
Radiation patterns:2D:5850MHz



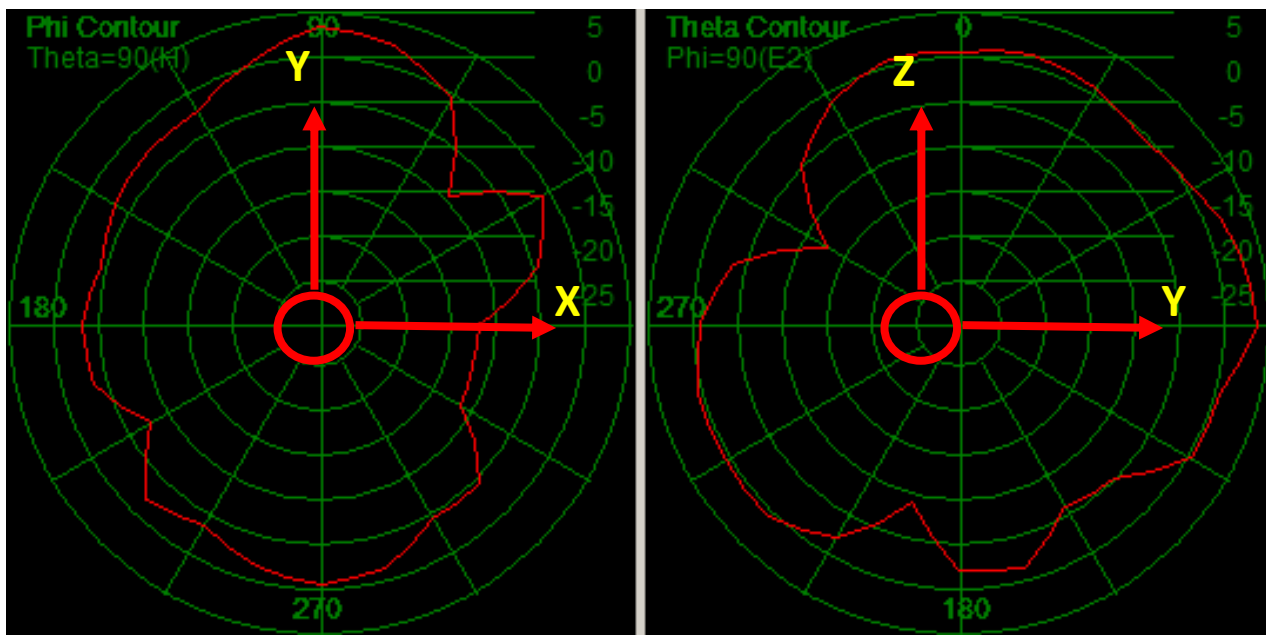
S11(2.4G&5G-Ant2)



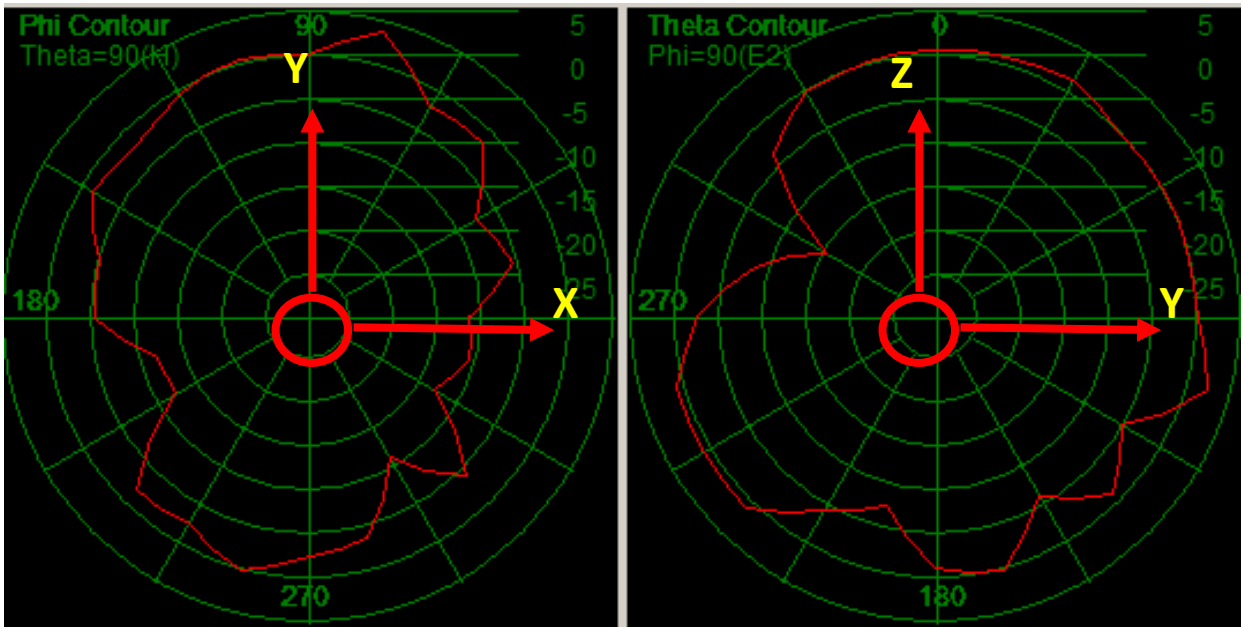
Radiation patterns:2D:2450MHz



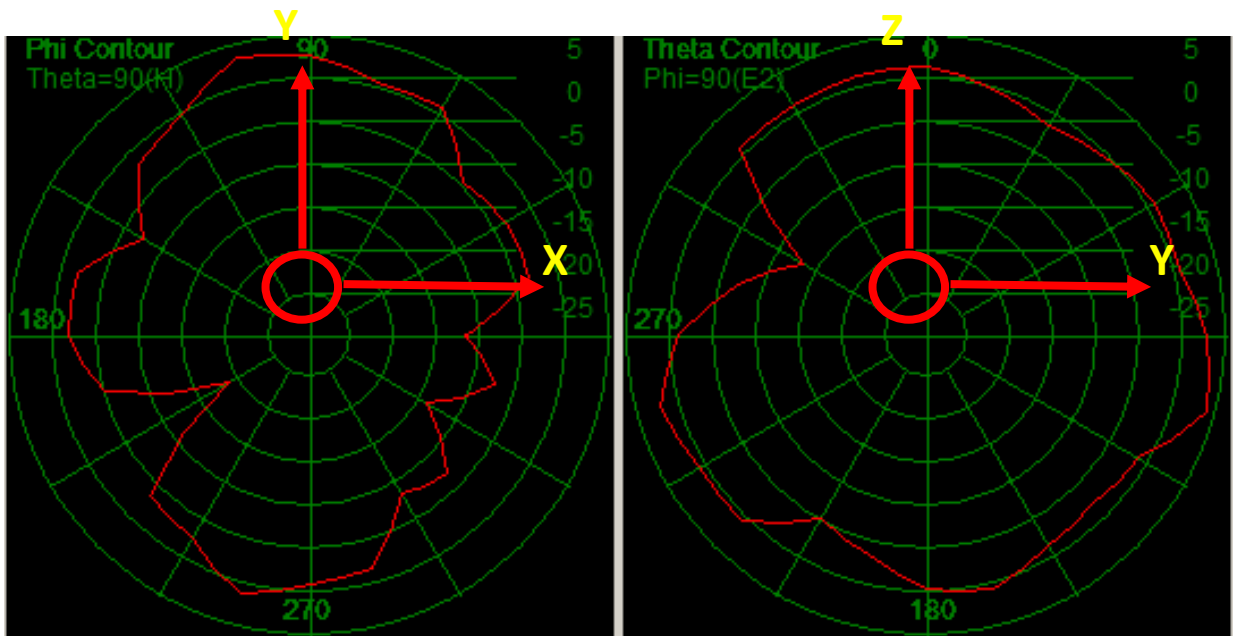
Radiation patterns:2D:5150MHz



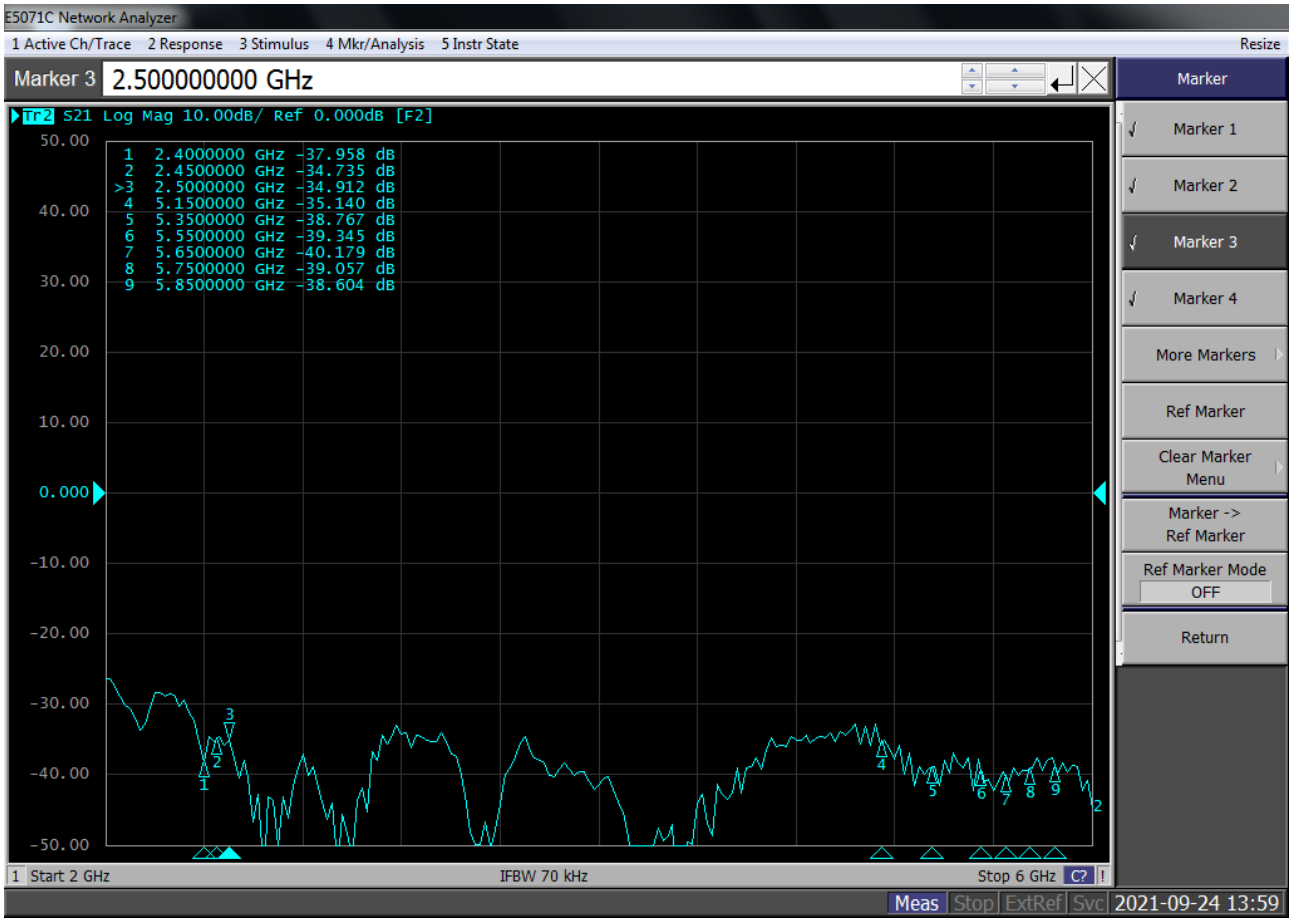
Radiation patterns:2D:5550MHz



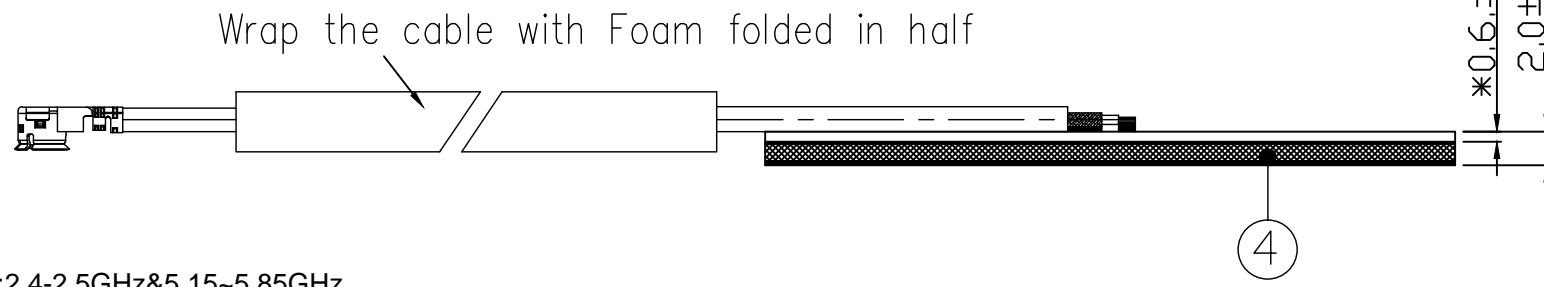
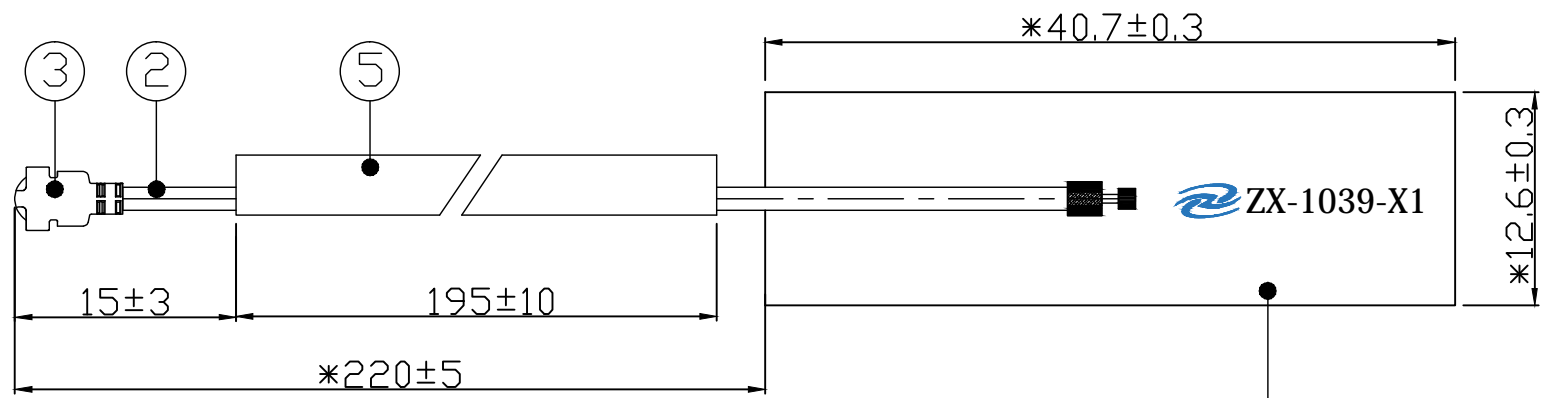
Radiation patterns:2D:5850MHz



S21-1,2



REV	DATE	DESCRIPTION
X1	09/26-2021	New Issue
X2	10/09-2021	Update




Specification:
 Frequency Range:2.4-2.5GHz&5.15~5.85GHz
 Impedance:50 Ohm
 VSWR:2.0 MAX(with housing)

Notes:
 1.These Products are in conformity with ROHS 2.0
 2.Dimensions with "*" are Important,would be checked strictly.

5	Foam	Foam,Black,T=2mm,with one-side adhesive	1	803-1-0100-X1
4	Adhesive Sponge	EVA,T=1mm&3M 9888T(Double faced)	1	
3	Connector	RF CONN,Gold Plated	1	101-1-00511-X1
2	Cable	∅1.37mm Cable,Low Loss,White,50Ω	1	
1	PCB	FR4;Green oil on surface	1	501-1-1039-X1
NO	DESCRIPTION			Q'TY
				REMARK

CUSTOMER'S SINGATURE	XX.	±3.0	APPROVED	CUSTOMER:		
	XX.	±1.0		PART NO:		
	X.	±0.5	CHECKED	PART NAME: RF Antenna Assembly		
	.X	±0.3		Z&X P/NO: 6000F00067		
	.XX	±0.2	DRAWING	REV	UNIT	FILE:
	⊕	≡		X2	mm	SHEET: 1/1

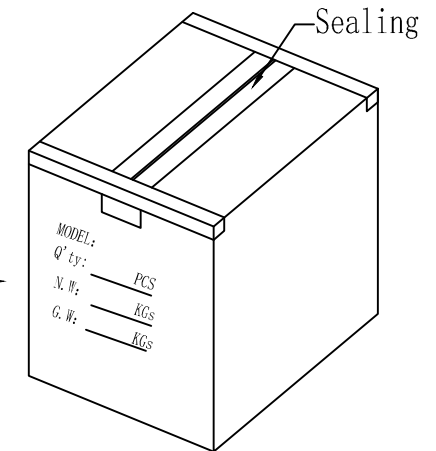
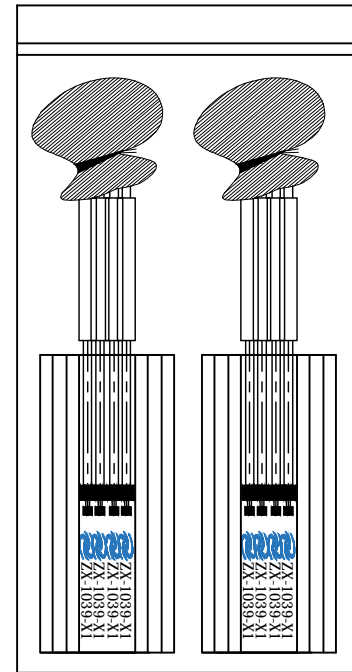
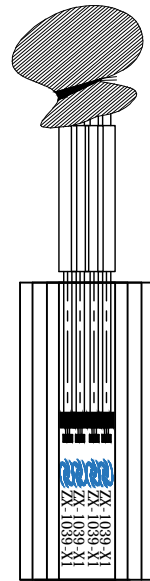
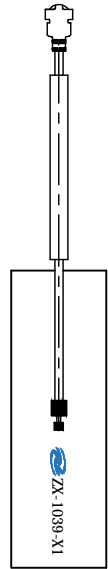
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Step 1: Checking

Step 2: Packaging

Step 3: PE-Bag Packaging

Step 4: Packing



1) Product checked

2) 50PCS/Bundle

3) 100PCS/PE-Bag

4) Packing, 3000pcs/carton

CUSTOMER'S SINGATURE

XX.	±3.0	APPROVED	CUSTOMER:		
XX.	±1.0		PART NO:		
X.	±0.5	CHECKED	PART NAME: Packaging Specification		
.X	±0.3		Z&X P/NO: 6000F00067		
.XX	±0.2	DRAWING	REV	UNIT	FILE:
⊕	▽		X2	mm	SHEET: 1/1

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