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

规 格 承 认 书
SPECIFICATION FOR APPROVAL

日期
DATE: 2024.07.29

版本
REV.: A

客 户
CUSTOMER: 上海安威士

客 户 料 号
CUSTOMER P/N:

品 名
PART NAME: 内置2.4G FPC天线 0.81黑色线L=80mm with RF CONN for Saas Camera

供 方 料 号
SUPPLIER P/N: 6354F00002

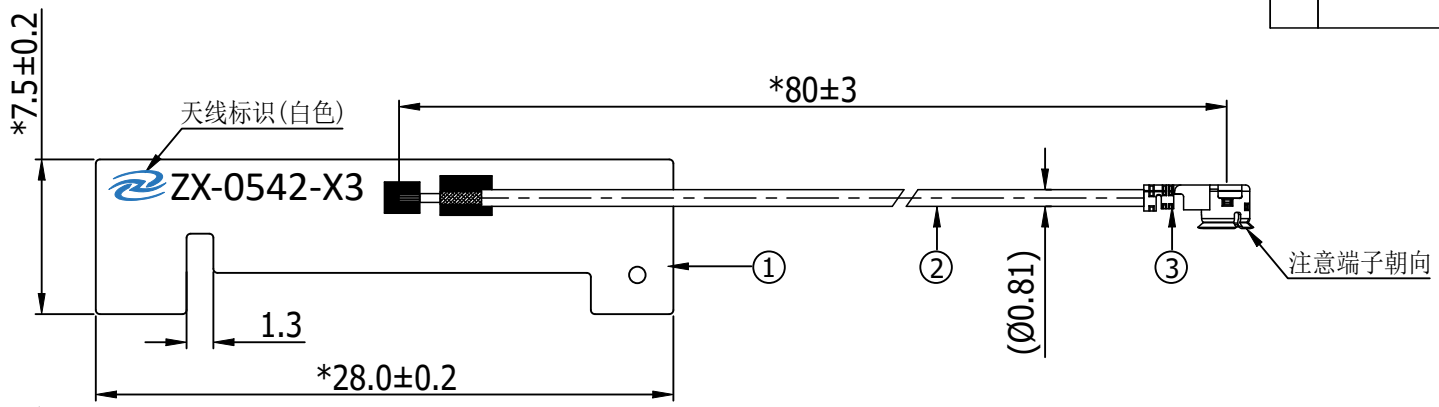
送样日期Date: 送样数量Q'TY: Pcs

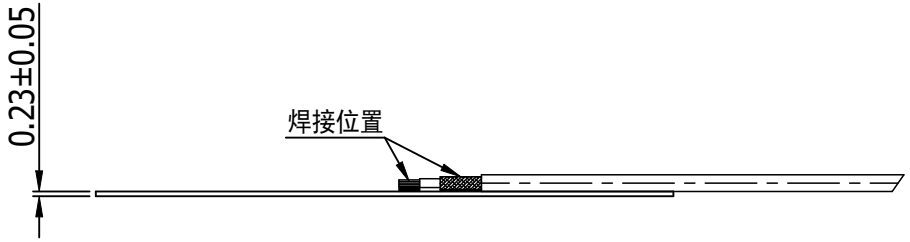
客户确认CUSTOMER APPROVED BY		
核准 Approvaled by	审核 Checked by	拟制 Prepared by

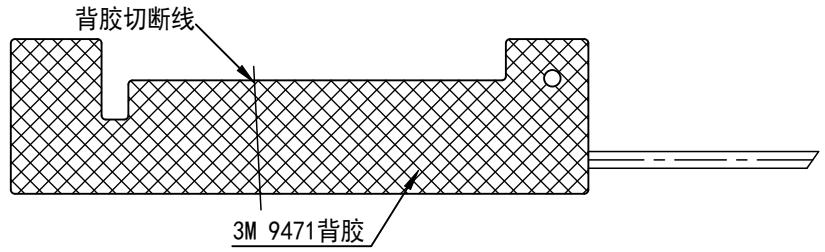
供方确认SUPPLIER SIGNATURE		
核准 Approvaled by	审核 Checked by	拟制 Prepared by
Jack		andy

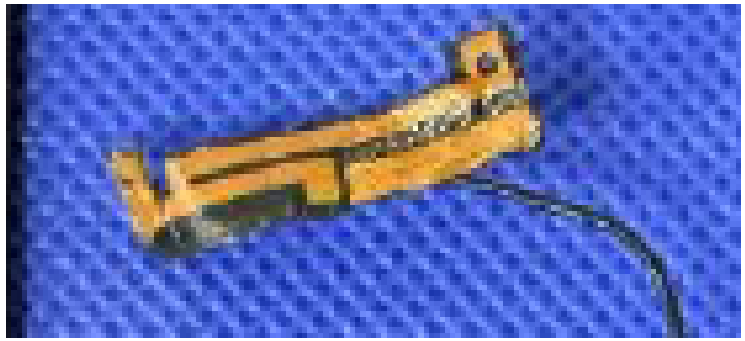
Add:Room 603, Building 30, No. 69, Guiqing Road, Xuhui District, Shanghai
Tel:021-54266190 Fax:021-54266191

REV	DATE	DESCRIPTION
X1	07/29-2024	New Issue









1. ELECTRICAL PROPERTIES:
   1.1 Frequency Range.....2400-2500MHz
   1.2 Impendance.....50 Ohm Nominal

2. These Products are in conformity with ROHS2.0
3. Strict size is marked with "*", and () for reference.

NO	DESCRIPTION	Q'TY	REMARK
3	Connector; IPEX-1 compatible; Gold-Plated	1	
2	Cable; 0.81 Coaxial cable; Color:Black(黑色)	1	
1	Antenna; FPC board, Black solder resist ink	1	502-1-0542-X3

CUSTOMER'S SIGNATURE	XXX.	±2.0	APPROVED	CUSTOMER:		
	XX.	±1.0		PART NO:		
	X.	±0.5	CHECKED	PART NAME:	2.4G Antenna for Saas Camera	
	.X	±0.3		Z&X P/NO:	6354F00002	
	.XX	±0.2	DRAWING	REV	UNIT	FILE:
				X1	mm	SHEET: 1/1

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Antenna Test Report

WIFI: 2.4G-2.5G

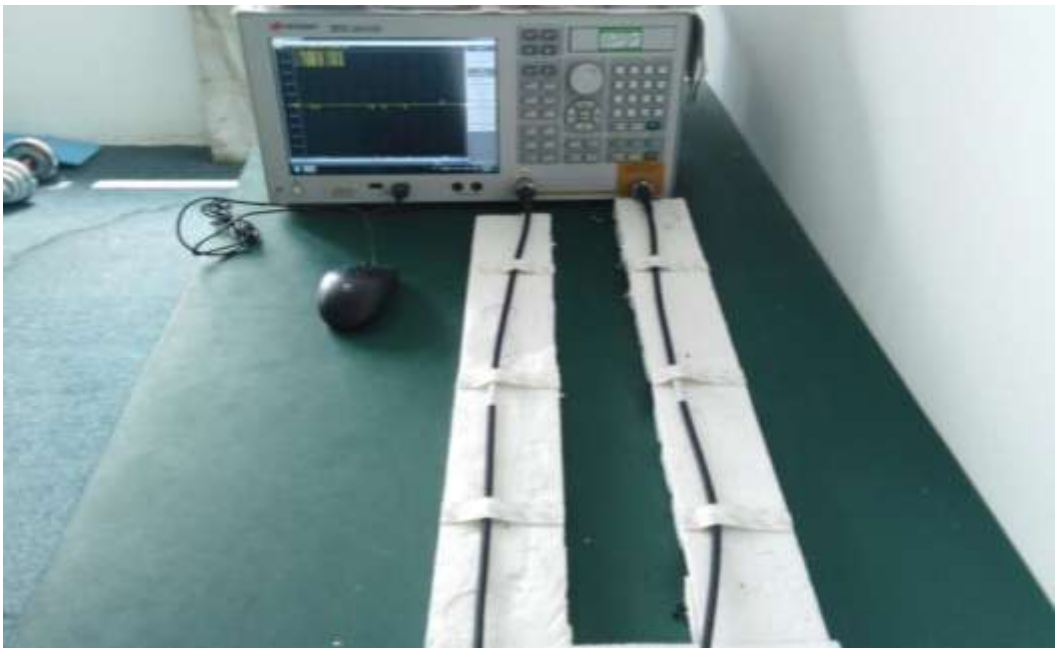
Tel:021-54266190 Fax:021-54266191 Web:www.zxsignal.com

1. RF Fixture Experiment

1.1 Test Setup

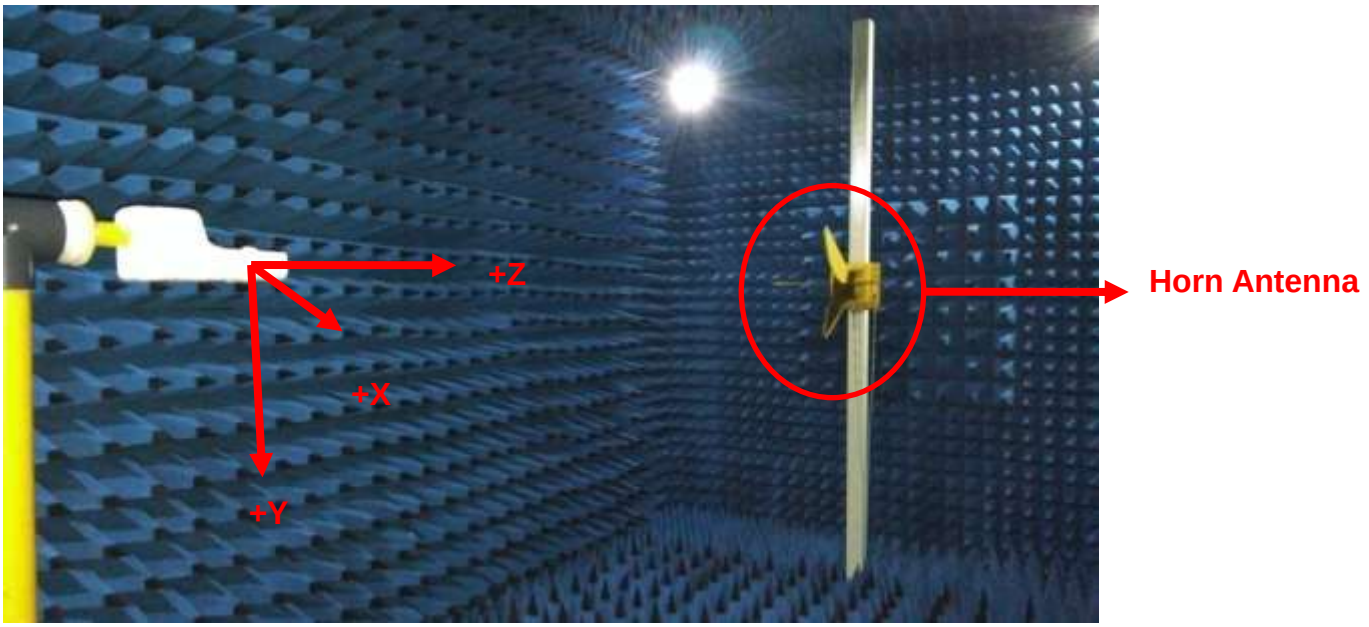
1.1.1 VNA Test Setup

VSWR and Return Loss measurements (S11) were performed using an KeySight E5071C Network Analyzer. The isolation between antennas is also tested. The testing was performed with apparatus in free space.

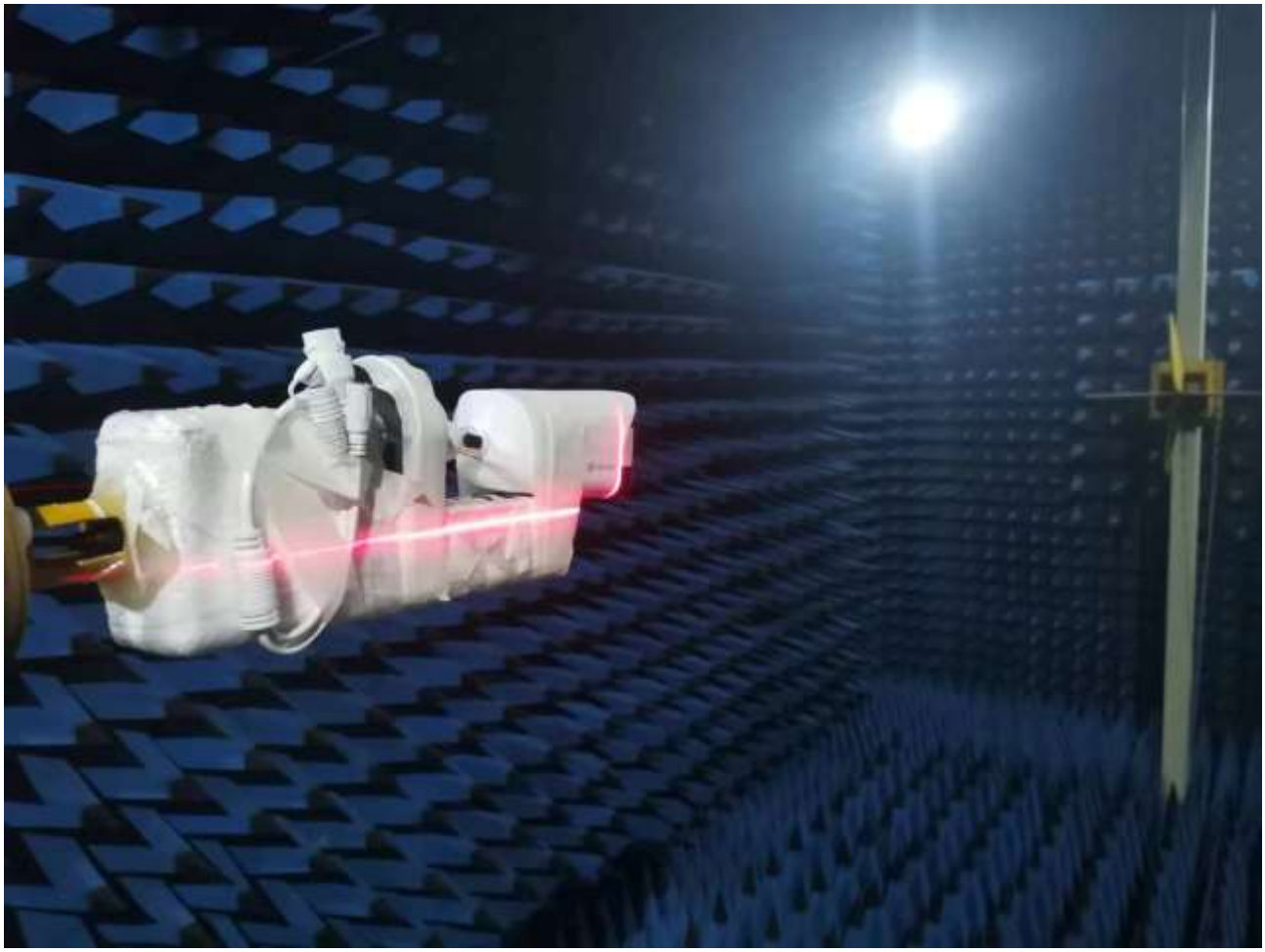


1.1.2 Anechoic Chamber Test Setup

The gain of the antenna was measured in the anechoic chamber.
The chamber provides less than –30 dB reflectivity from 400 MHz through 6 GHz. The chamber size is:7m*4m*3m. The measurement results are calibrated using a leaky wave horn standard. We can measure the antenna gain and efficiency accurately.



2. Antenna Picture

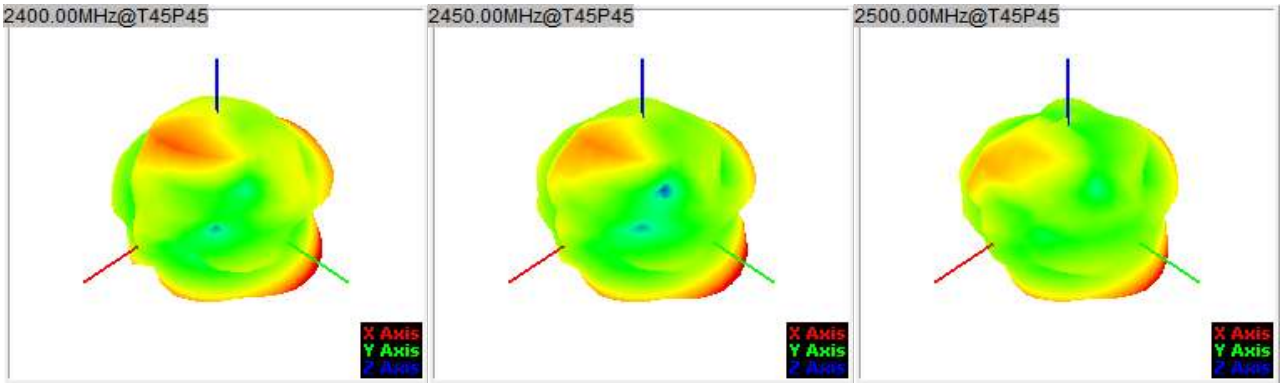


Data Preview

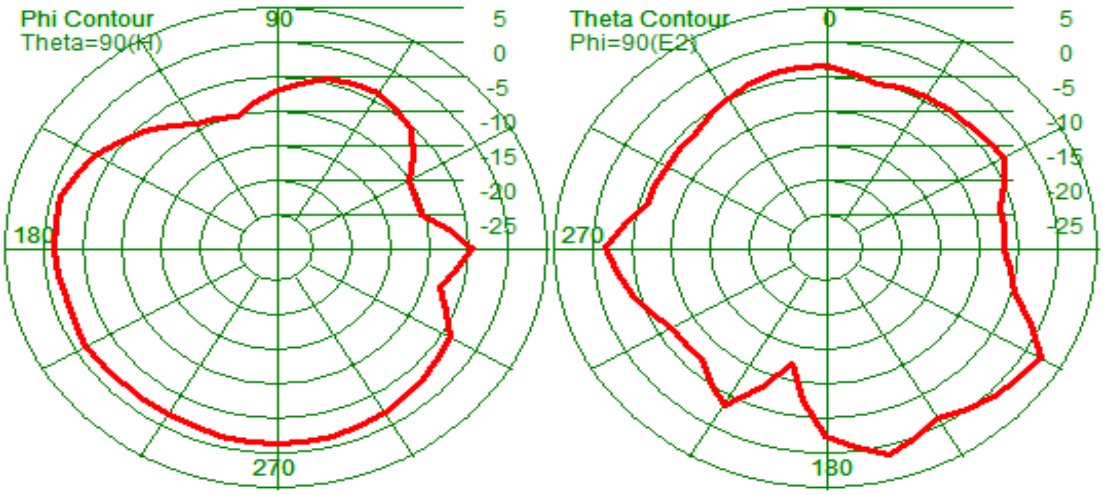
Freq.(MHz)	2400	2450	2500
VSWR	1.61	1.53	1.46
Gain(dBi)	3.86	3.71	3.01
Eff.%	53.20	52.1	50.9

S11

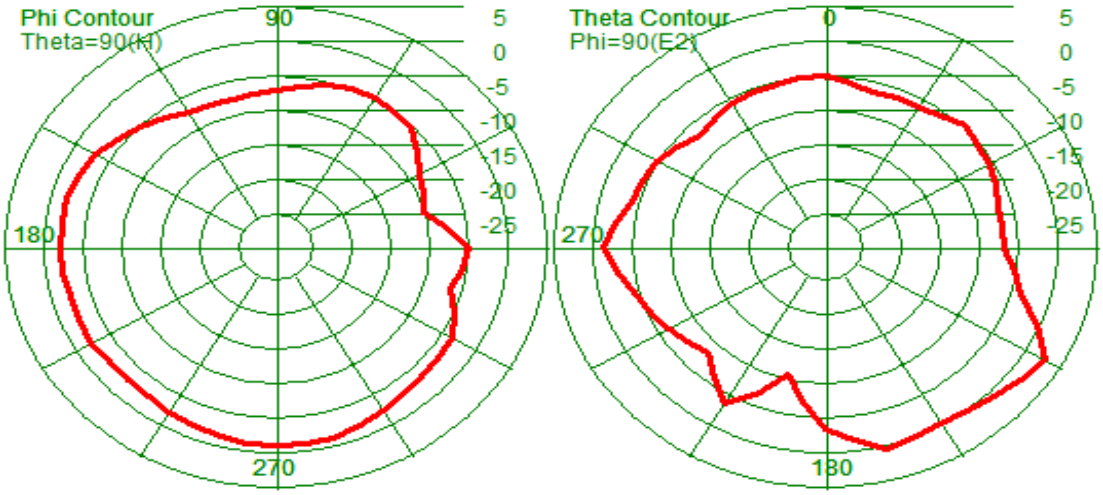
Radiation patterns:3D（2400MHZ/2450MHZ/2500MHZ）



Radiation patterns:2D （2400MHZ）



Radiation patterns:2D （2450MHZ）



Radiation patterns:2D （2500MHZ）