



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: 2022.10.28

版本
REV.: A

客 户
CUSTOMER: 上海华测导航技术股份有限公司

客 户 料 号
CUSTOMER P/N: 0101020174

品 名
PART NAME: Built-in 2.4G FPC antenna with 1.13mm black cable, L=80mm, with RF connector for P2

供 方 料 号
SUPPLIER P/N: 6068F00033

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

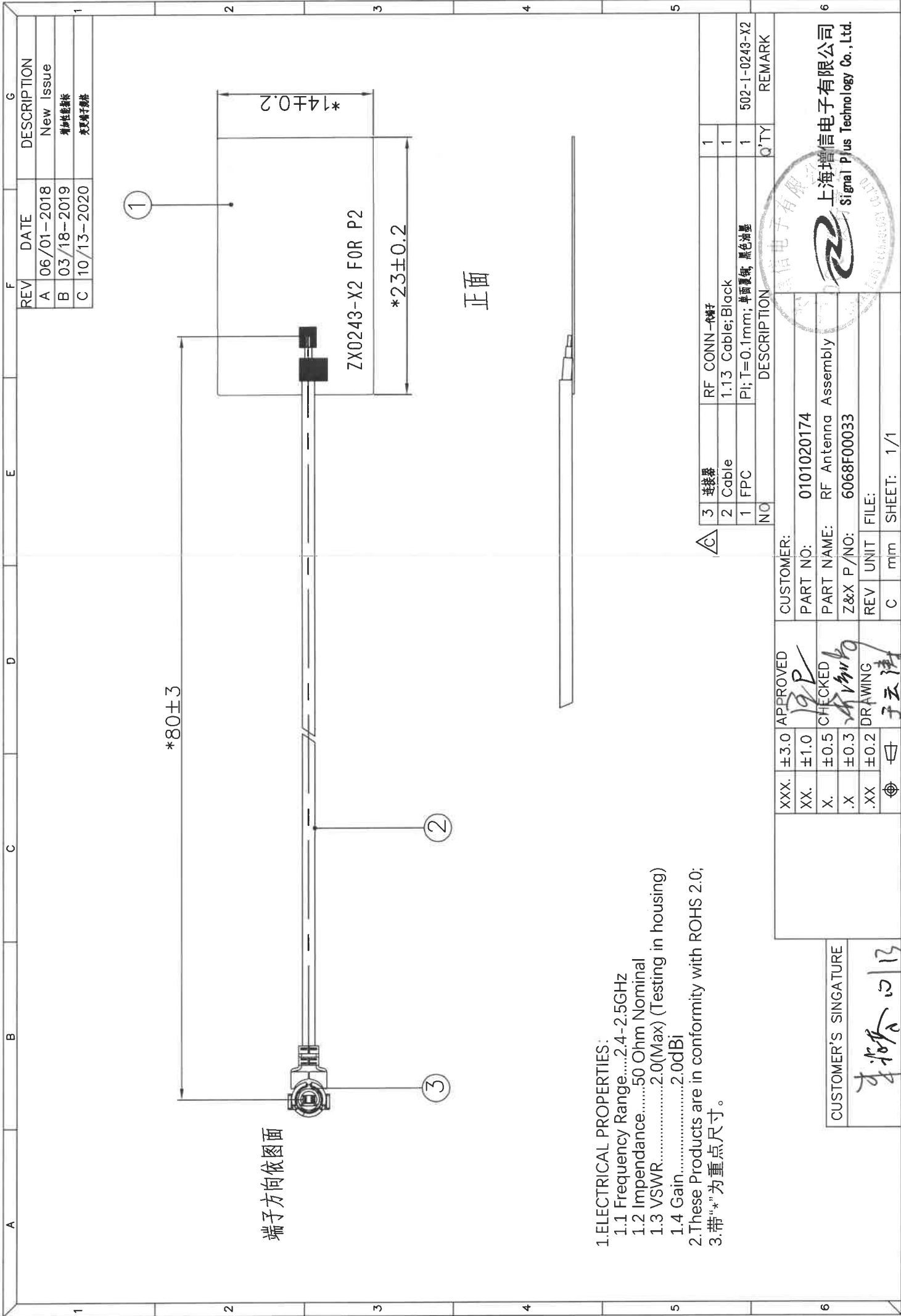
供方确认SUPPLIER SIGNATURE		
核准 Approved by	审核 Checked by	拟制 Prepared by
Andy		Cindy

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

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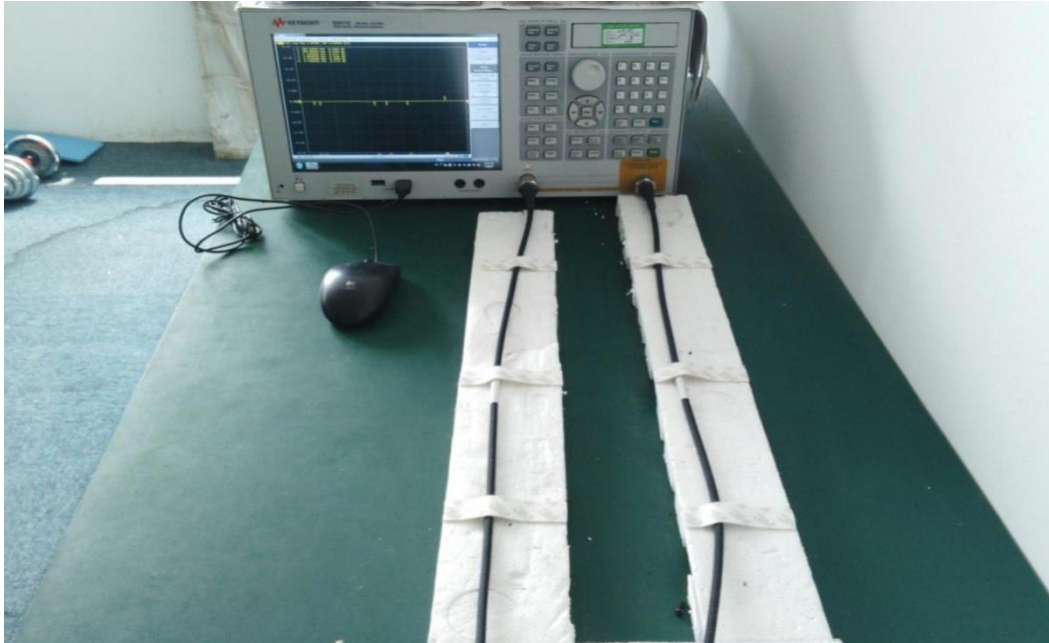
Antenna Test Report

1. RF Fixture Experiment

1.1 Test Setup

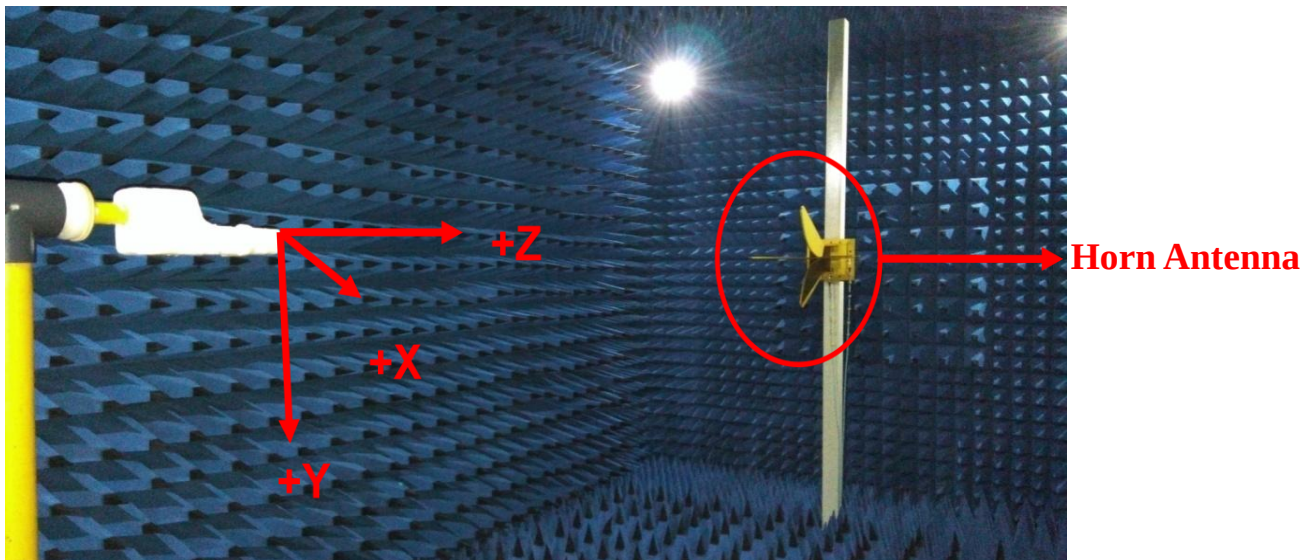
1.1.1 VNA Test Setup

VSWR and Return Loss measurements (S_{11}) were performed using an Keysight E5071C Network Analyzer. The isolation between antennas is also tested. The testing was performed with apparatus in free space.

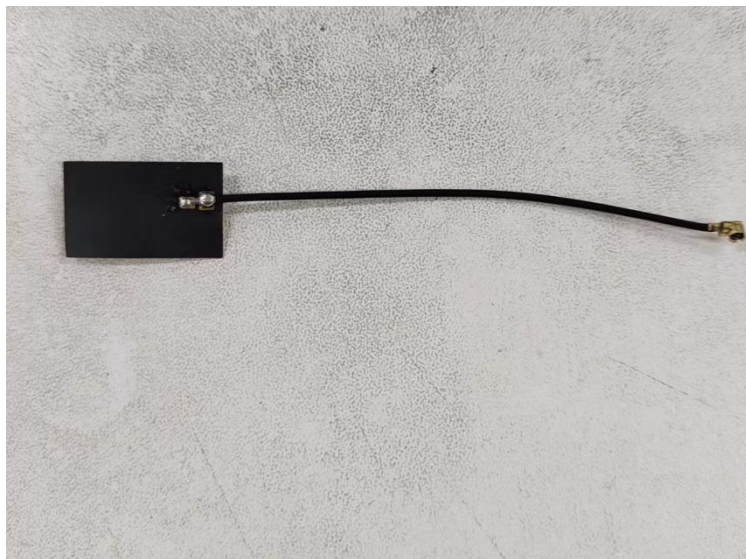


1.1.2 Anechoic Chamber Test Setup

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 Solution

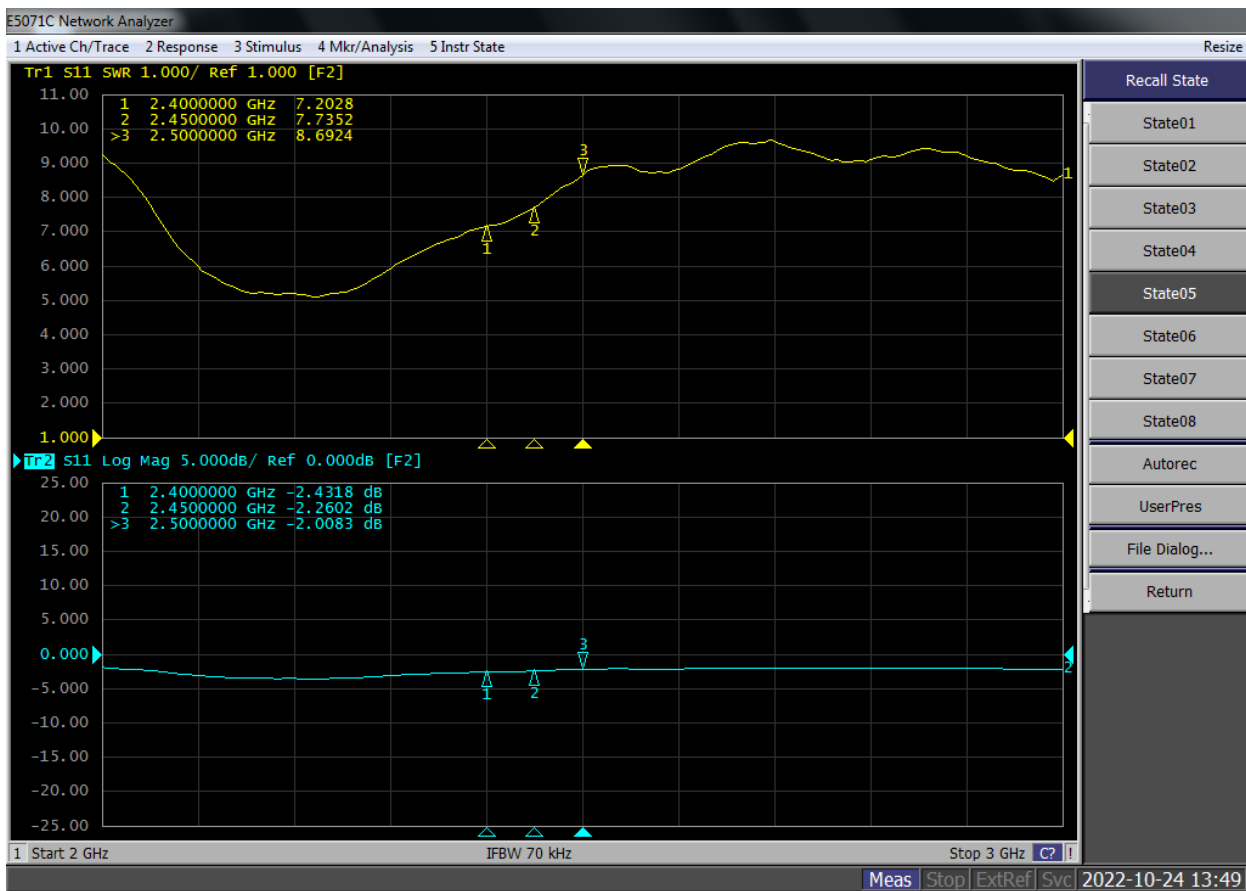


3. Data Preview

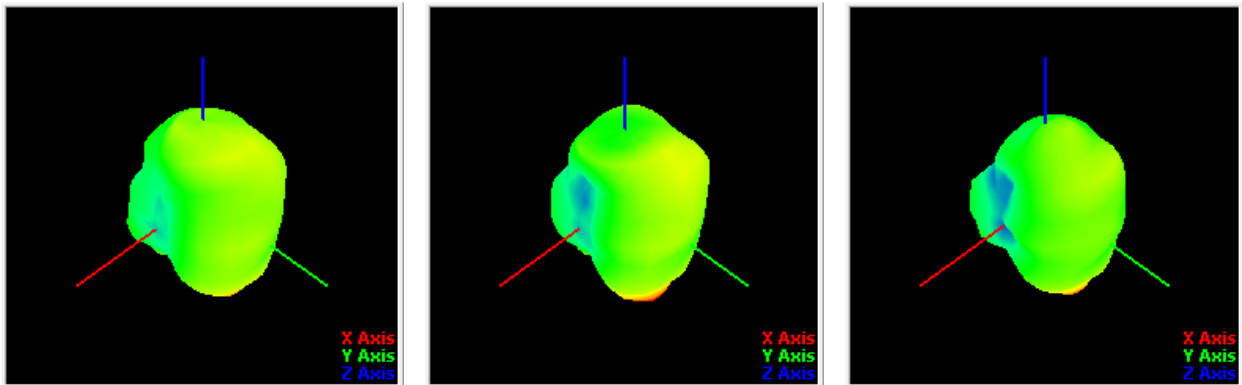
2.4G:

Freq.(MHz)	2400	2450	2500
Gain(dBi)	-0.62	-0.91	-0.89
Eff.%	29.4	26.8	24.0

S11(2.4G)



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



Radiation patterns:2D (2450)

