

# 天线承认书

## Parts Approval Sheet

<b>Customer</b>	雷特	<b>Project</b>	SP-GW-4S-LT
<b>Band</b>	BT	<b>Color</b>	Black
<b>PN</b>	X1482	<b>Version</b>	V0
<b>Customer material number</b>			

**DATE: 2022/11/18**

R&D			QC
<b>Issued by</b>	<b>Checked by</b>	<b>Confirmed by</b>	<b>Checked by</b>
伍海沅		韦永斌	文孝群
<b>Customer Confirm</b>			

Environmental requirements:  ROHS

REACH

无

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## 1. Summary

This report summarizes the electrical results of the our antenna to support the project SP-GW-4S-LT. The test fixture is made for further testing, which is show below:

## 2. General Description

### 2.1 Antenna Components/Part revisions

The antenna part number is T: A

### 2.2 Definitions

VSWR: Voltage Standing Wave Rate

TRP: total radiated power

TIS: total istropic sensitivity

### 3. Electrical Performance

#### 3.1 Matching Circuit Description



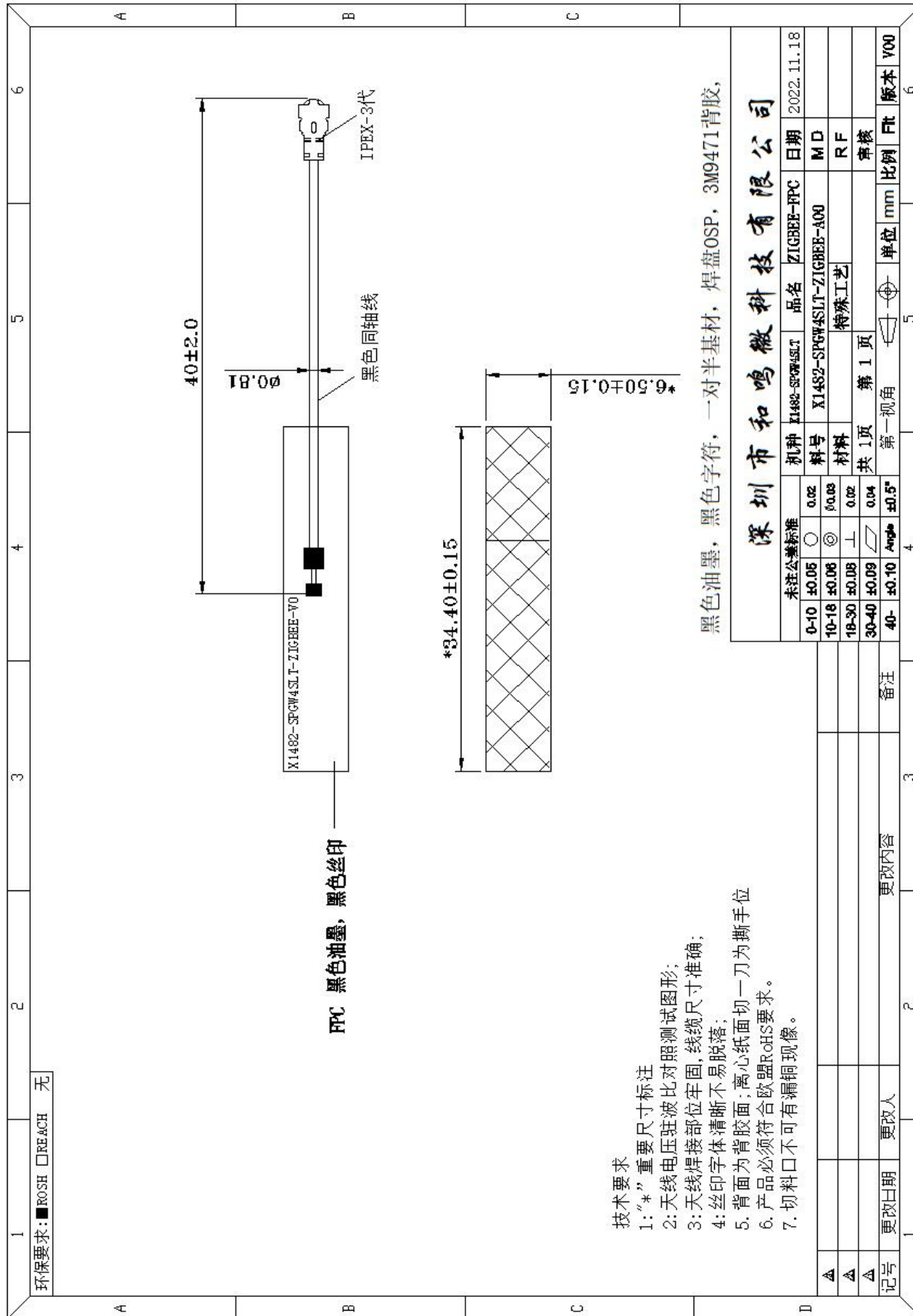
#### 3.2 VSWR (Test in free space)

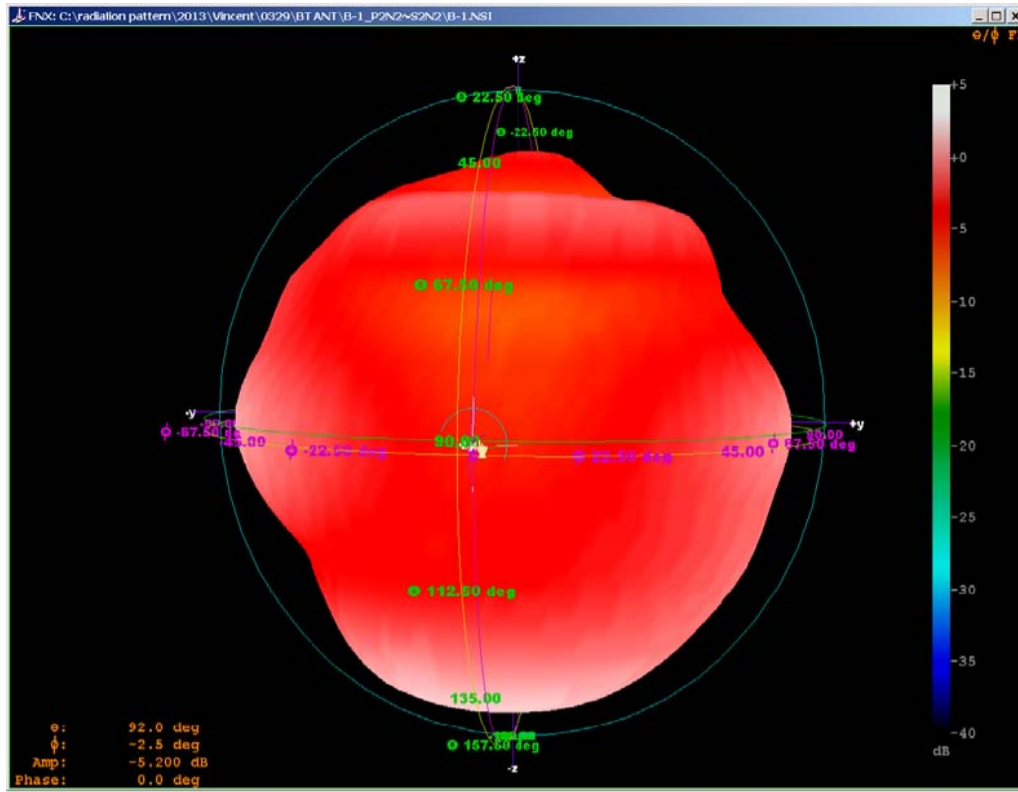


### 3.3 Gain&Efficiency

Frequency (MHz)	Gain (dB)	Efficiency (%)
2400	1.57	47.53
2410	1.68	47.61
2420	1.75	47.74
2430	1.83	48.24
2440	2.00	48.63
2450	1.75	49.48
2460	1.76	49.63
2470	1.49	49.91
2480	1.35	49.37
2490	1.25	48.34
2500	1.13	48.26

### 4. Antenna Engineer drawing





3D radiation pattern diagram

