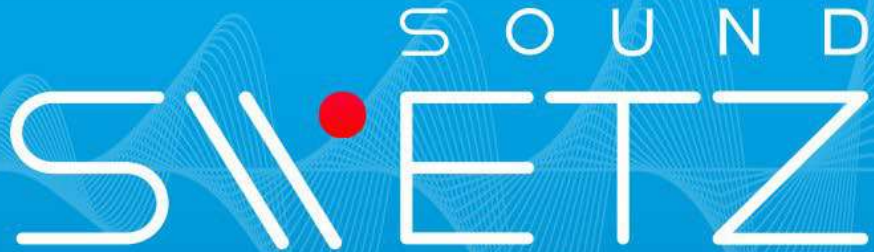


BT Antenna Test Report



Customer	Shenzhen Swetz Sound Technology Co., Limited
Project	SP271B时钟音箱
Product Description	FPC+Cable

Report Date	2025.2.21	Prepared by	Hao_li
Report Version	V2	Checked by	

Introduction

I. Test Condition

II. Test Result

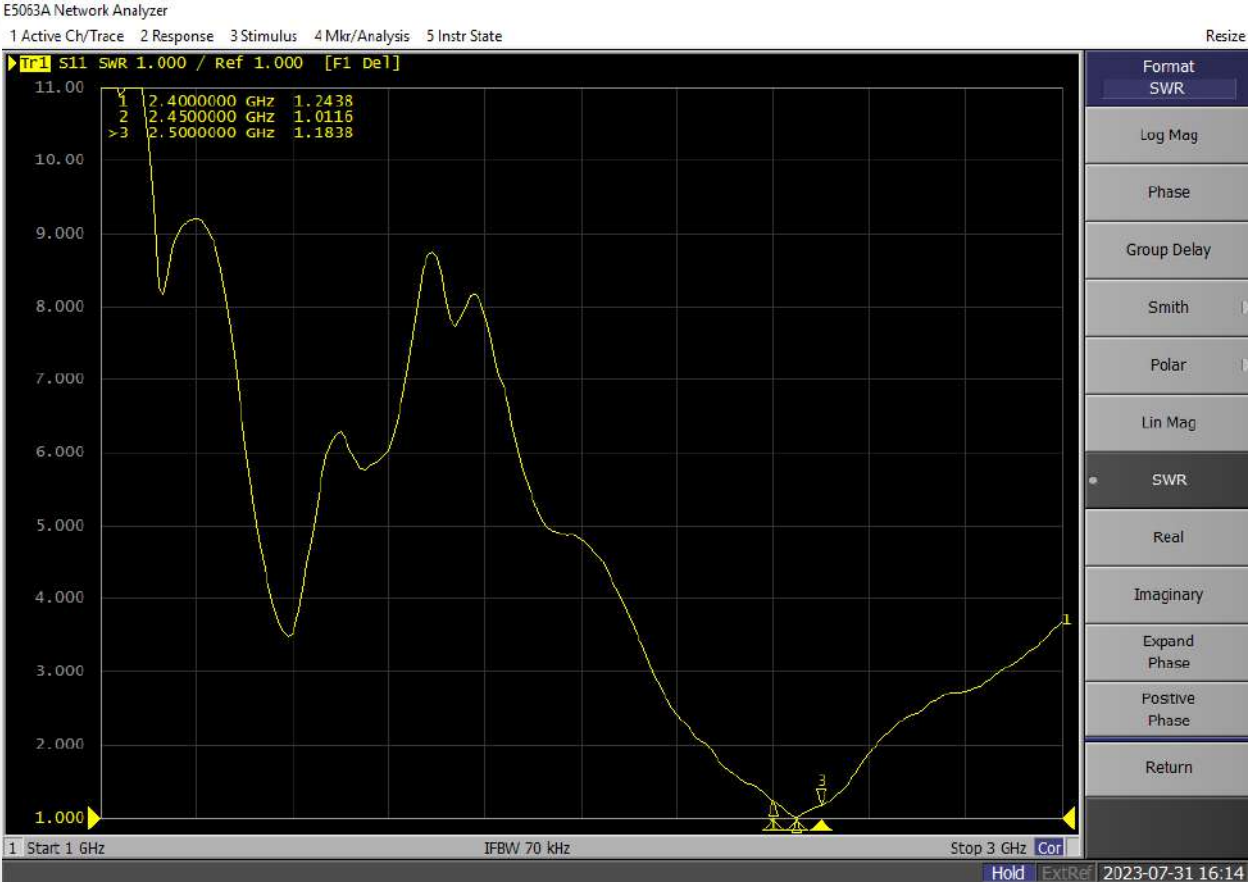
I. Test Condition

SP271B时钟音箱



II. Test Result

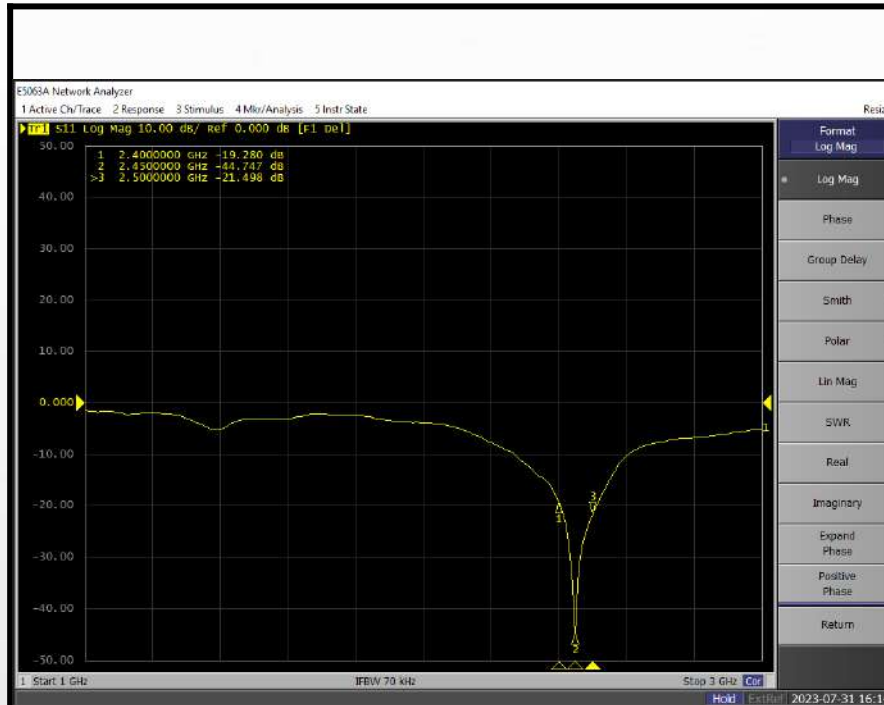
2.1 Antenna VSWR



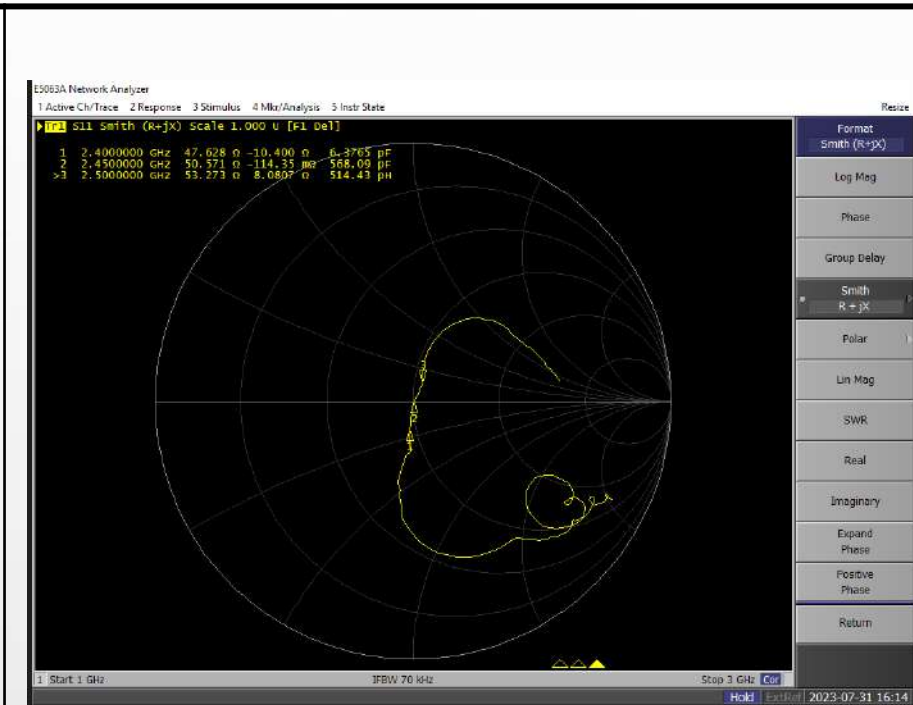
Frequency (MHz)	2400	2450	2500
VSWR	1.24	1.01	1.18

II. Test Result

2.1. Antenna S-Parameter



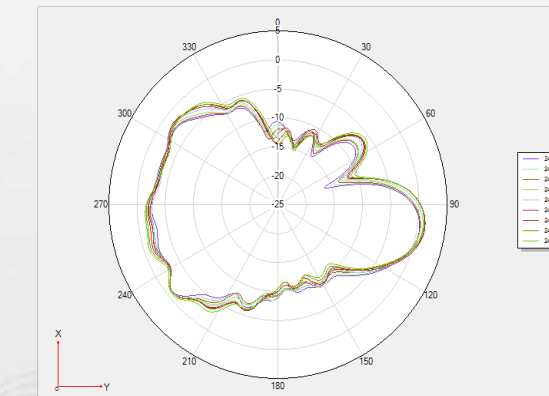
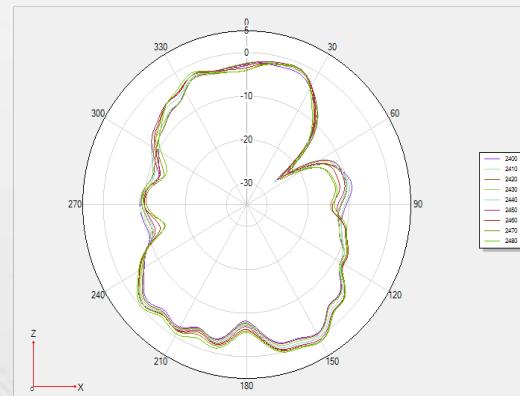
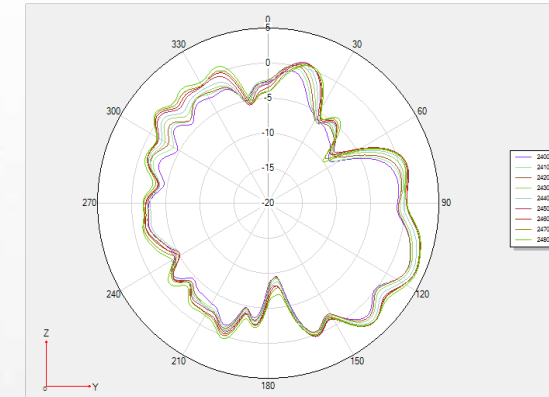
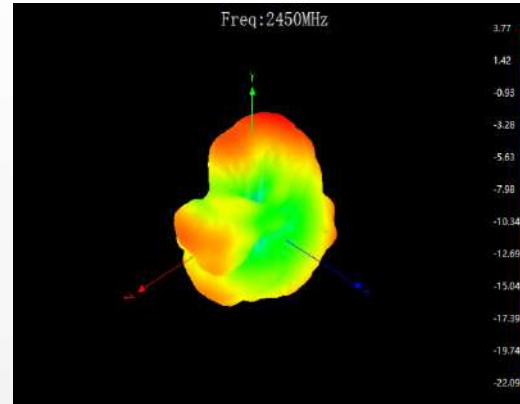
Return loss



Smith-Chart

II. Test Result

2.2 2D/3D Gain Pattern



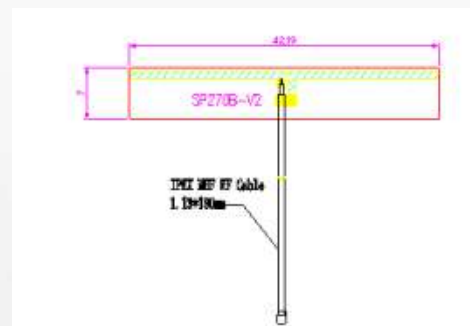
2.3 Efficiency And Peak Gain

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	48.02	2.64
2420	48.18	2.88
2440	49.63	3.33
2450	49.87	3.77
2460	48.43	3.43
2480	47.15	3.32
2500	46.65	3.13

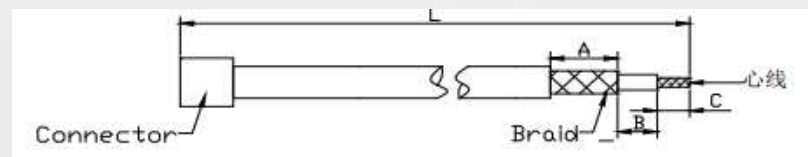
2.4.Mechanical Specification:

1. Mechanical Configuration (Unit: mm)

The appearance of the antenna is according to drawing Figure



2. Cable Length



Connector: I-PEX MHF; Cable: RF Cable 1.13 (灰色) L: 180
±2mm

A: 1.5 ± 0.5mm B: 2.0 ± 0.5mm C: 1.0 ± 0.5mm