

APPROVAL SHEET

Customer Name

Product Model

PCB Antenna

Customer P/N

Specifications

**2.4G- Bluetooth, 50*9.6mm , PCB
1.13 Cable (Blue) , Length=70mm , ipex-l**

Lianzhao P/N

LZANT-11856-A

Date Prepared

2025.08.11

Revision

1.0

LianZhao		
Prepare	DQE	R&D
Customer		
PUR	QC	R&D

Manufacturer: Dongguan Lianzhao Electronics Co., Ltd.

Address in Dongguan: 2nd Floor, Building 1, Xinhe Industrial Park, Zhen'an East Road,
Xiaobian Community, Chang'an Town, Dongguan

Tel: 0769-21018679

Website: www.leenz.cn

Product Specification

A. Electrical Characteristics

Frequency	2400-2500MHz
VSWR (Unshielded test)	< 5.0
Efficiency	≈41%
Peak Gain	0.3-1.5dBi
Impedance	50 Ohm
Polarization	Linear
Horizontal Beamwidth	360°
Vertical Beamwidth	39-42°
Max Power	50W

B. Material & Mechanical

Cable Type	1.13 Cable (Blue) , Lenght=70mm
Connector Type	ipex-l
Dimension	50*9.6mm
Weight	0.001Kg

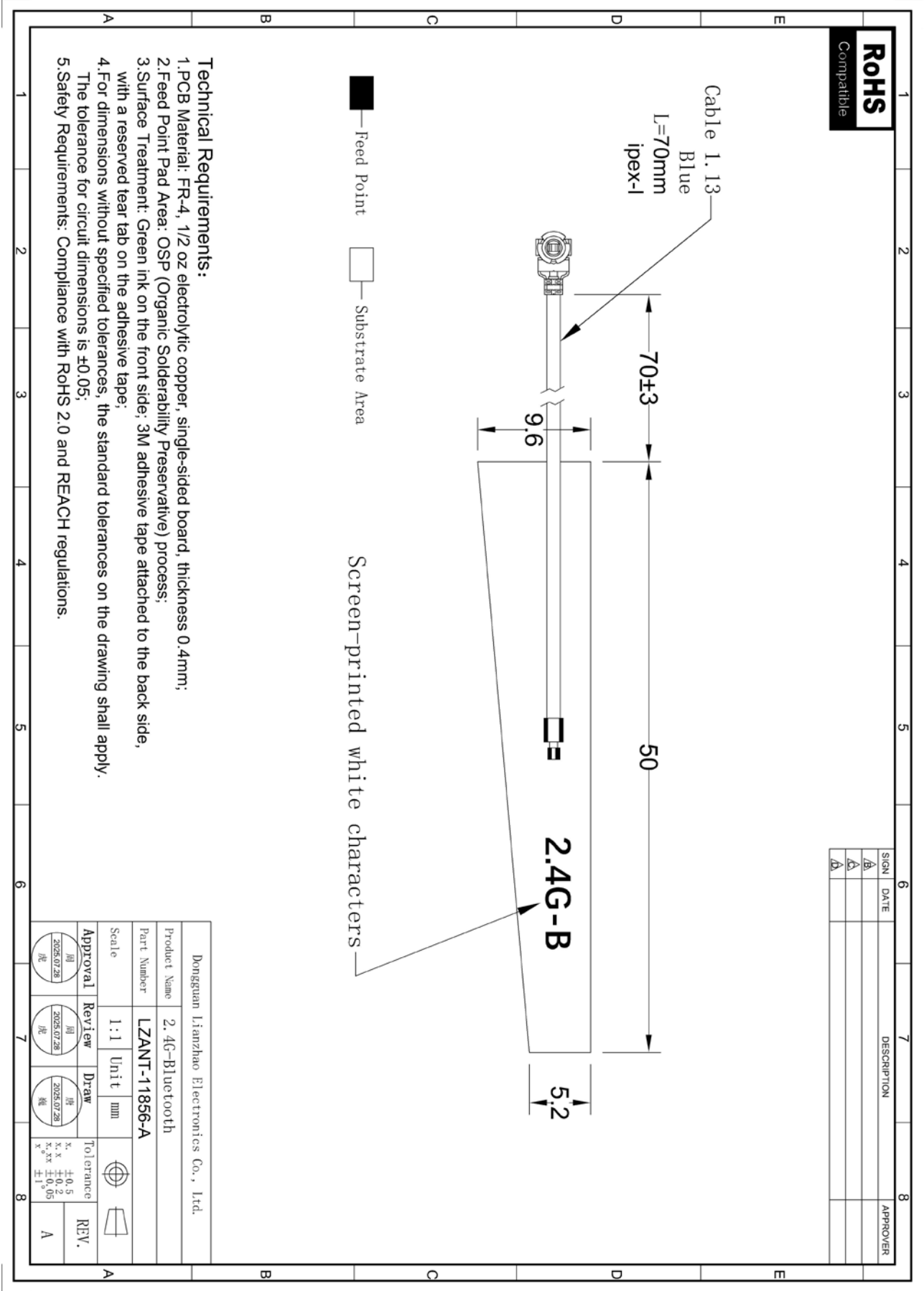
C. Environmental

Operation Temperature	- 40°C ~ +85 °C
Storage Temperature	- 40°C ~ +85 °C
Humidity	≤95%

D. Photo



Product Drawing:

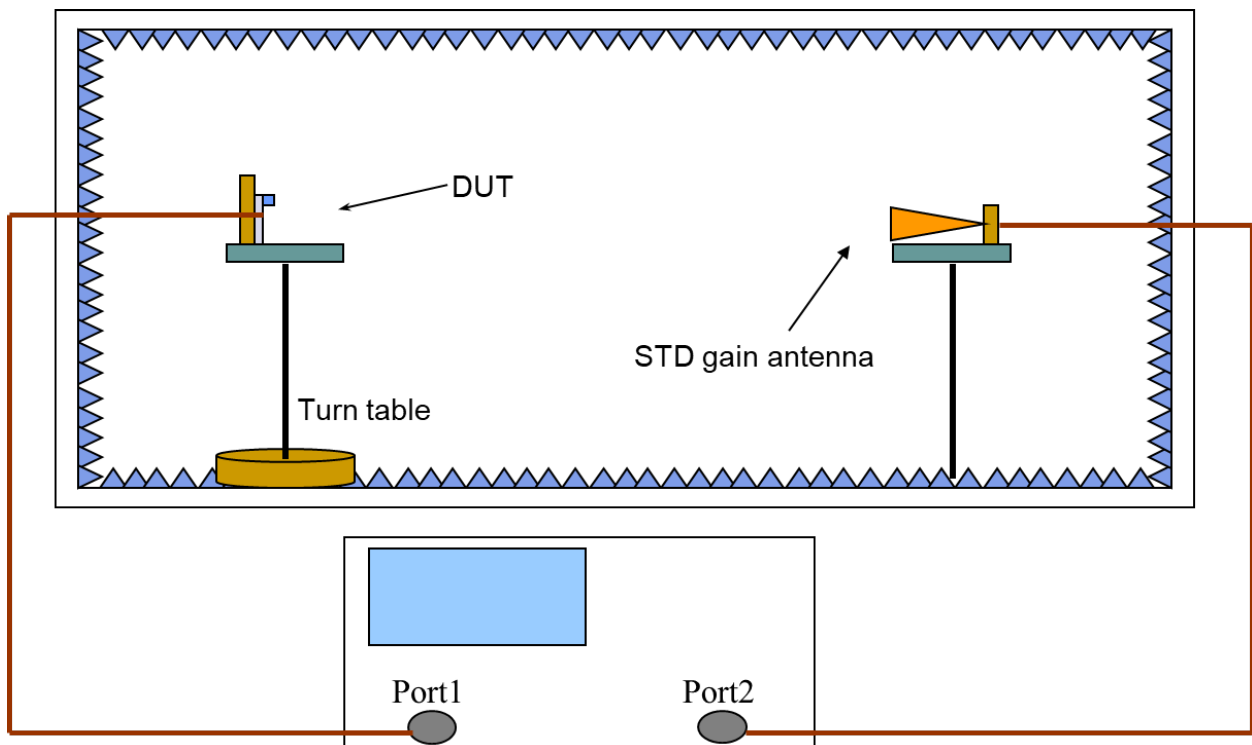
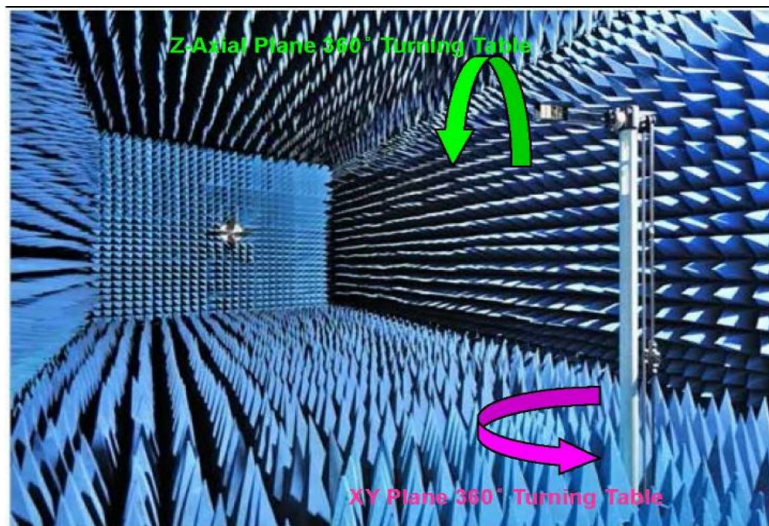
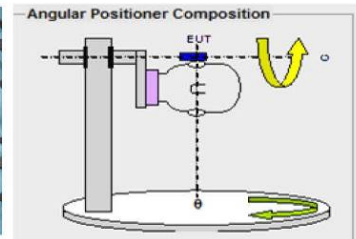
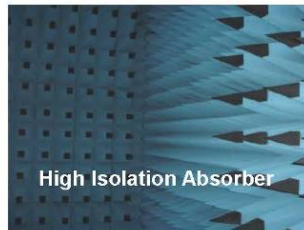


Test Equipment & Conditions

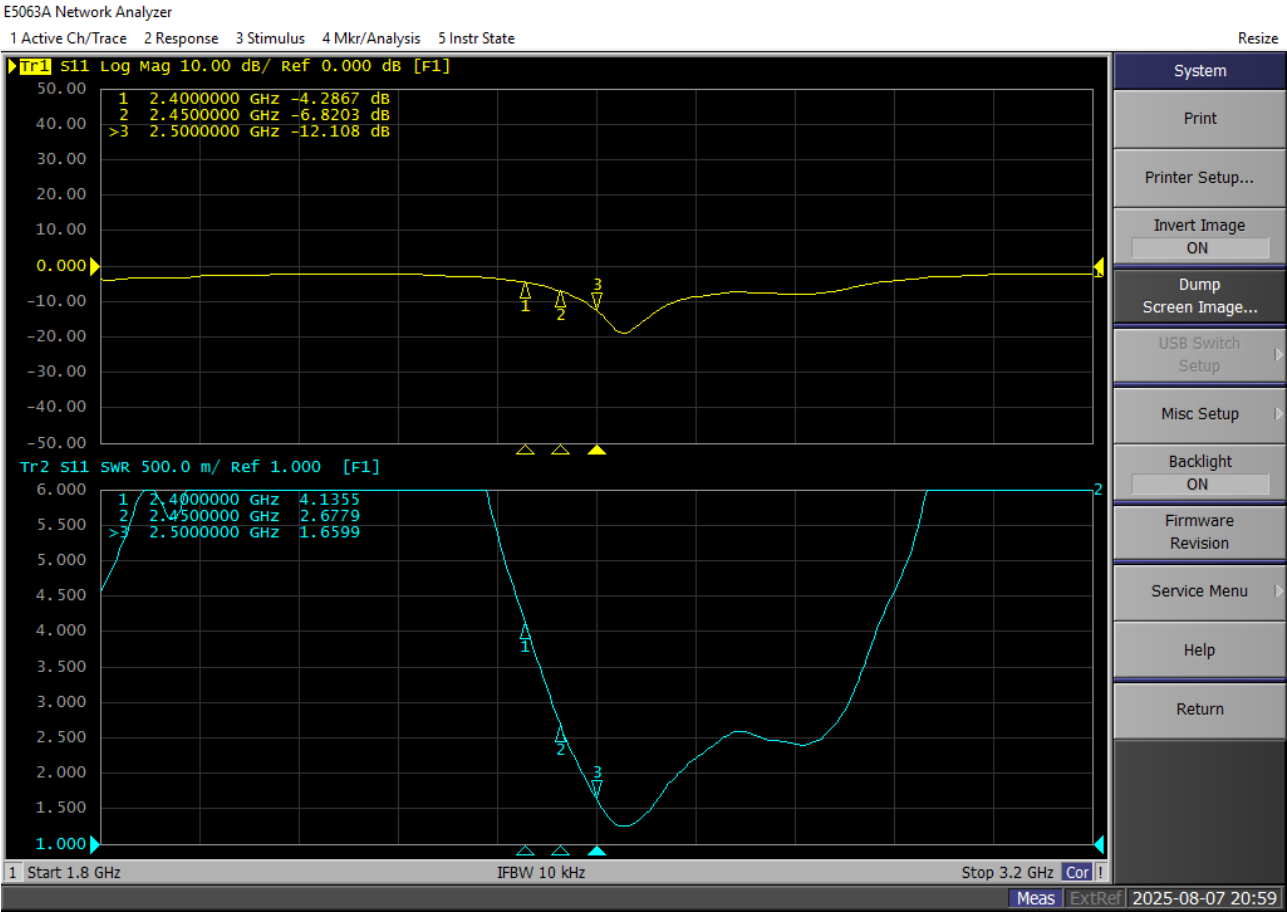
1、 Network Analyzers : Keysight E5071C

2、 3D Chamber Test System

.Chamber Size: 9 x 5 x 4 m³
.Freq. Range: 0.4 ~ 18.0 GHz
.Double Ridge Horn Antenna
.VNA: Agilent E5071C
.3D Turning Table and Positioner
.ADT Solution 3D Testing Software



VSWR



Total Efficiency& Gain:

Frequency(MHz)	Gain(dBi)	Efficiency(%)
2400	1.5	41.7
2410	1.4	42.9
2420	1.4	44.3
2430	1.4	43.2
2440	1.3	42.4
2450	0.7	39.7
2460	0.7	39.6
2470	0.6	37.6
2480	0.7	39.1
2490	0.3	37.2
2500	0.4	39.3

Radiation pattern

