TEST REPORT

APPLICANT	:	hangzhoulanlangkejiyouxiangongsi
PRODUCT NAME	:	Antenna
MODEL NAME	:	TT06
TRADE NAME	:	N/A
BRAND NAME	:	N/A
STANDARD(S)	:	IEEE Std 149-2021
RECEIPT DATE	:	2024-10-11
TEST DATE	:	2024-10-11
ISSUE DATE	:	2024-10-16

Edited by: Guo Penghua(Rapporteur)

Approved by: Chi Shide(Supervisor)

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DIRECTORY

1. Technical Information 3
1.1. Applicant and Manufacturer Information 3
1.2. Equipment Under Test (EUT) Description 3
2. Test Results 4
2.1. Applied Reference Documents 4
2.2. Test Conditions 4
2.3. Measurement Uncertainty 4
2.4. Test Results lists 5
Annex A Test Setup Photos 6
Annex B Figures 7
1. 2D Radiation Pattern 7
2. 3D Radiation Pattern 8
Annex C General Information 10
1.1 Identification of the Responsible Testing Laboratory 10
1.2 Identification of the Responsible Testing Location 10
1.3 Test Equipments Utilized 10
1.4 Test Software Utilized 10
Annex D EUT Photos

Change History		
Version	Date	Reason for change
1.0	2024-10-16	First edition

1.Technical Information

Note: Provide by applicant.

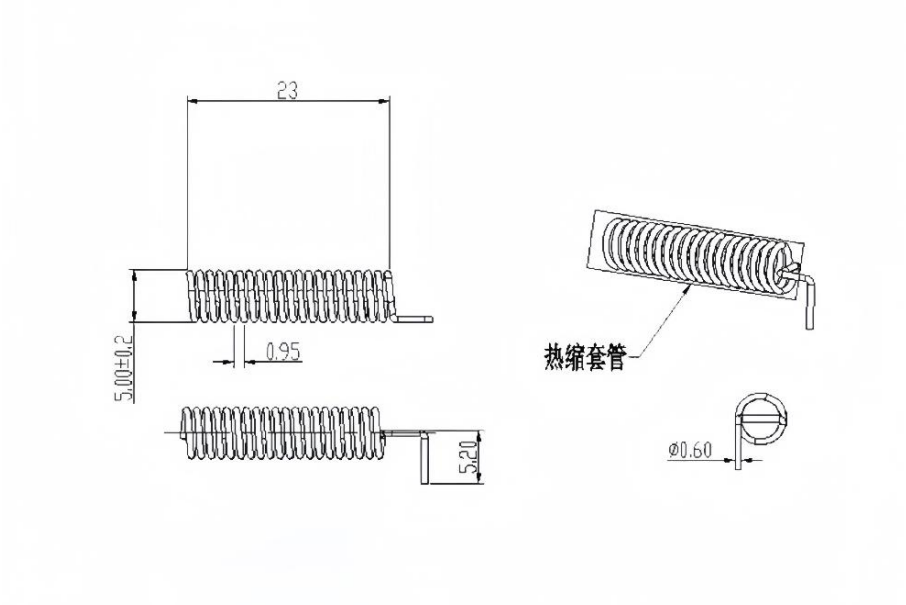
1.1. Applicant and Manufacturer Information

Applicant:	hangzhoulanlangkejiyouxiangongsi
Applicant Address:	Zhejiangshenghangzhoushiyuhangqucangqianjiedaowenyixilu1326hao2haolou1202A-1shi
Manufacturer:	Shenzhen lingchengxin Electronics Co., Ltd
Manufacturer Address:	Room 1804, Block B, Fencheng Zhigu Building, No. 60, Tiezi Road, Gongle Community, Xixiang Street, Bao'an District, Shenzhen

1.2. Equipment Under Test (EUT) Description

Wireless Type	N/A
Frequency	423.92MHz,433.92MHz,443.92MHz
Antenna Type	N/A
Product HW Version	N/A
Product SW Version	N/A
IMEI	N/A
Sample No.	1#

Dimensions（mm）:



2. Test Results

2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	IEEE Std 149-2021	IEEE Recommended Practice for Antenna Measurements

2.2. Test Conditions

Test Environment Conditions：

Relative Humidity(%):	25 - 75
Temperature(°C):	10 - 30

2.3. Measurement Uncertainty

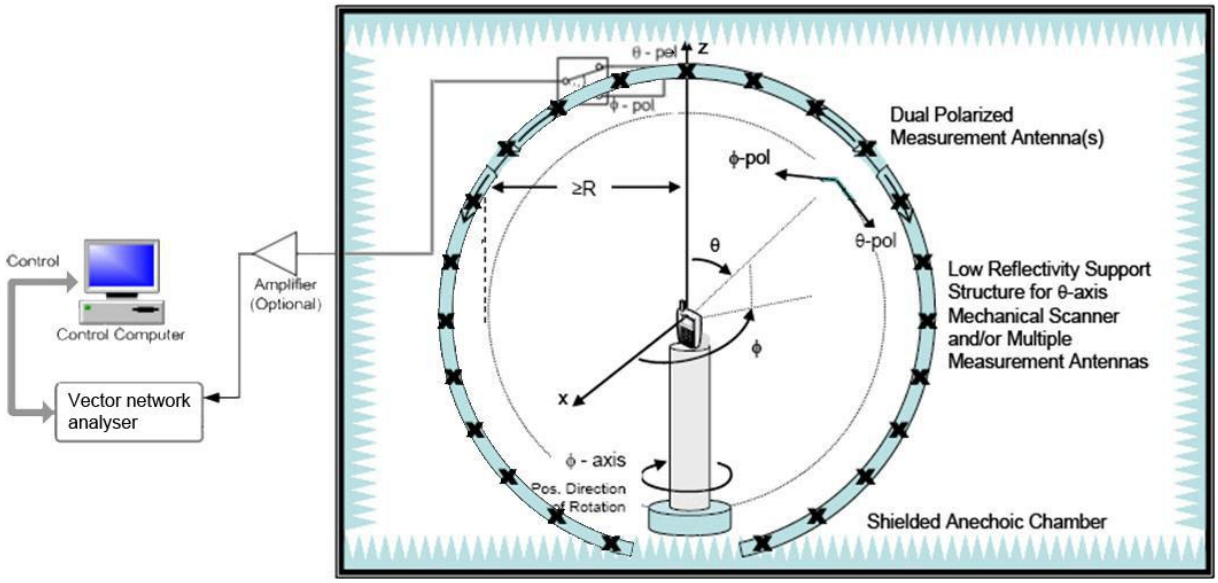
The uncertainty is calculated using the methods suggested in the “Guide to the Expression of Uncertainty in Measurement” (GUM) published by ISO. When the test result is a critical value,we will use the measurement uncertainty give the judgment result based on the 95% Confidence intervals.

2.4. Test Results lists

2.4.1.Gain

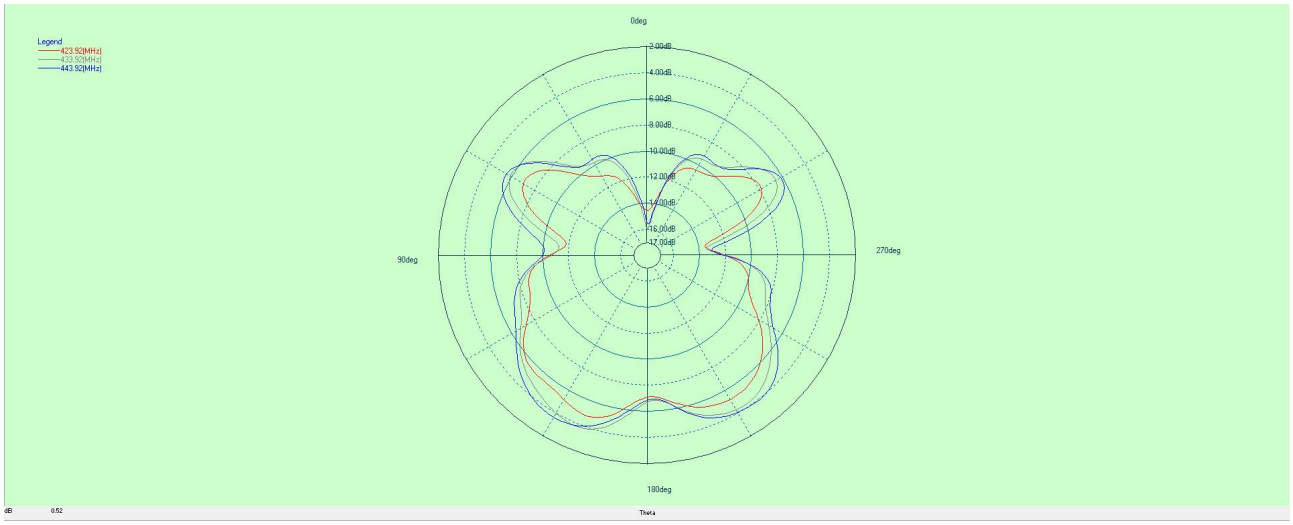
Frequency (MHz)	Gain(dBi)
423.92	-3.55
433.92	-2.51
443.92	-2.12

Annex A Test Setup Photos

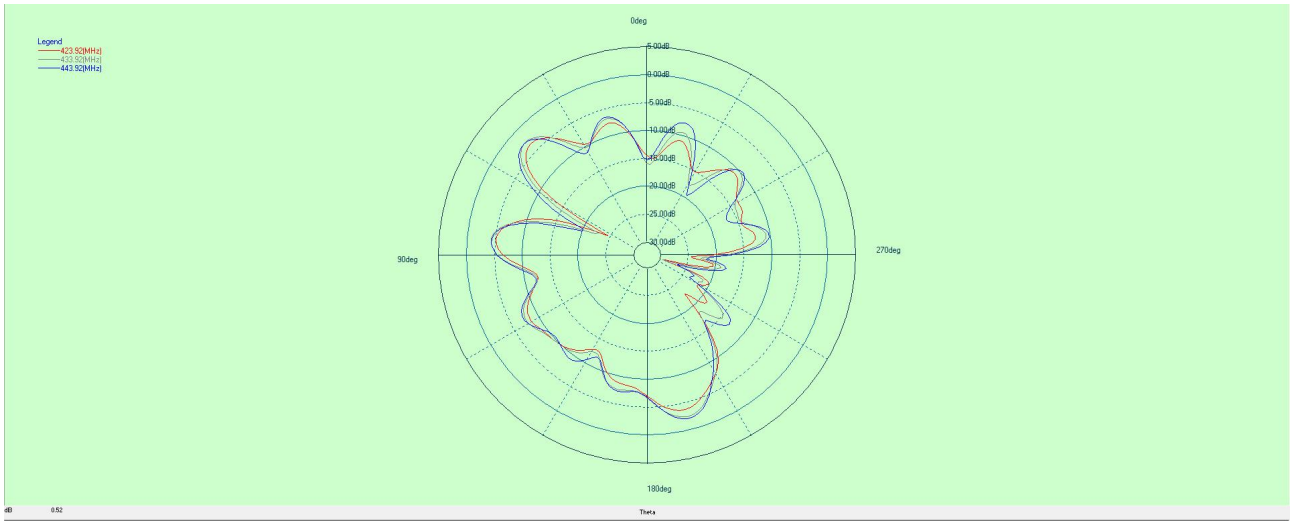


Annex B Figures

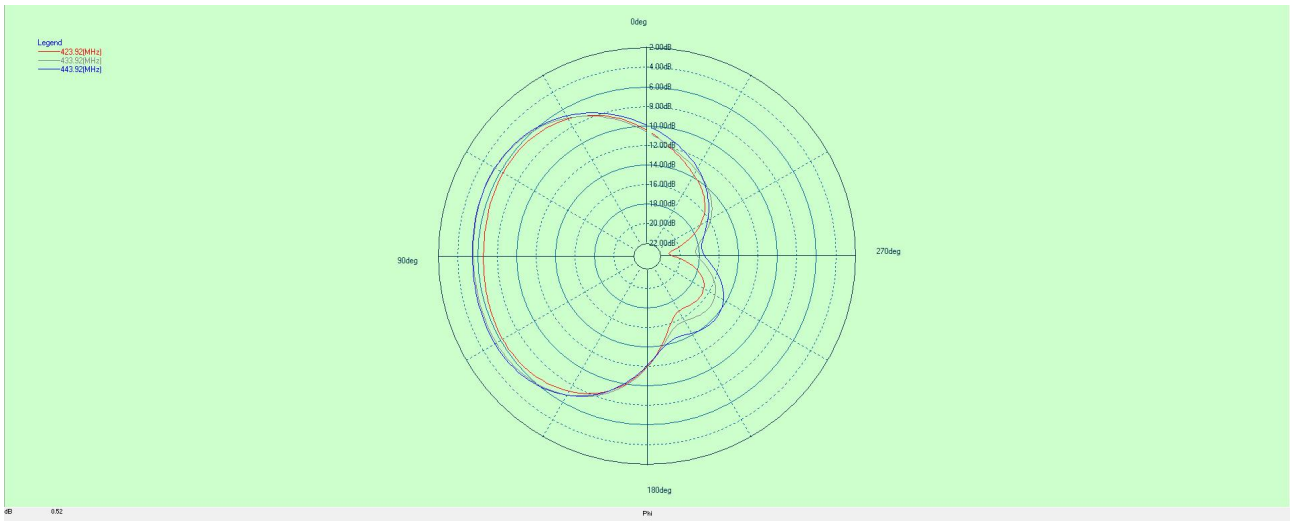
1. 2D Radiation Pattern



Phi=0°

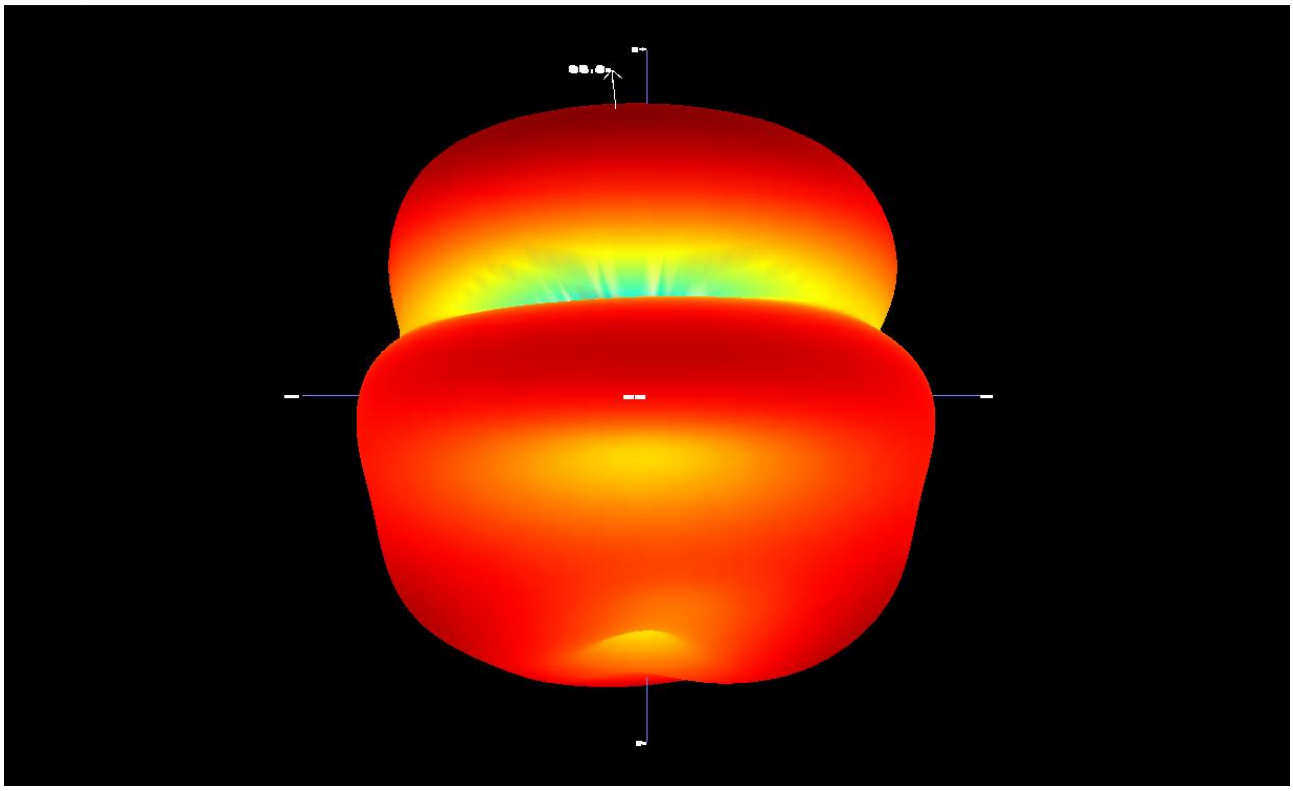


Phi=90°

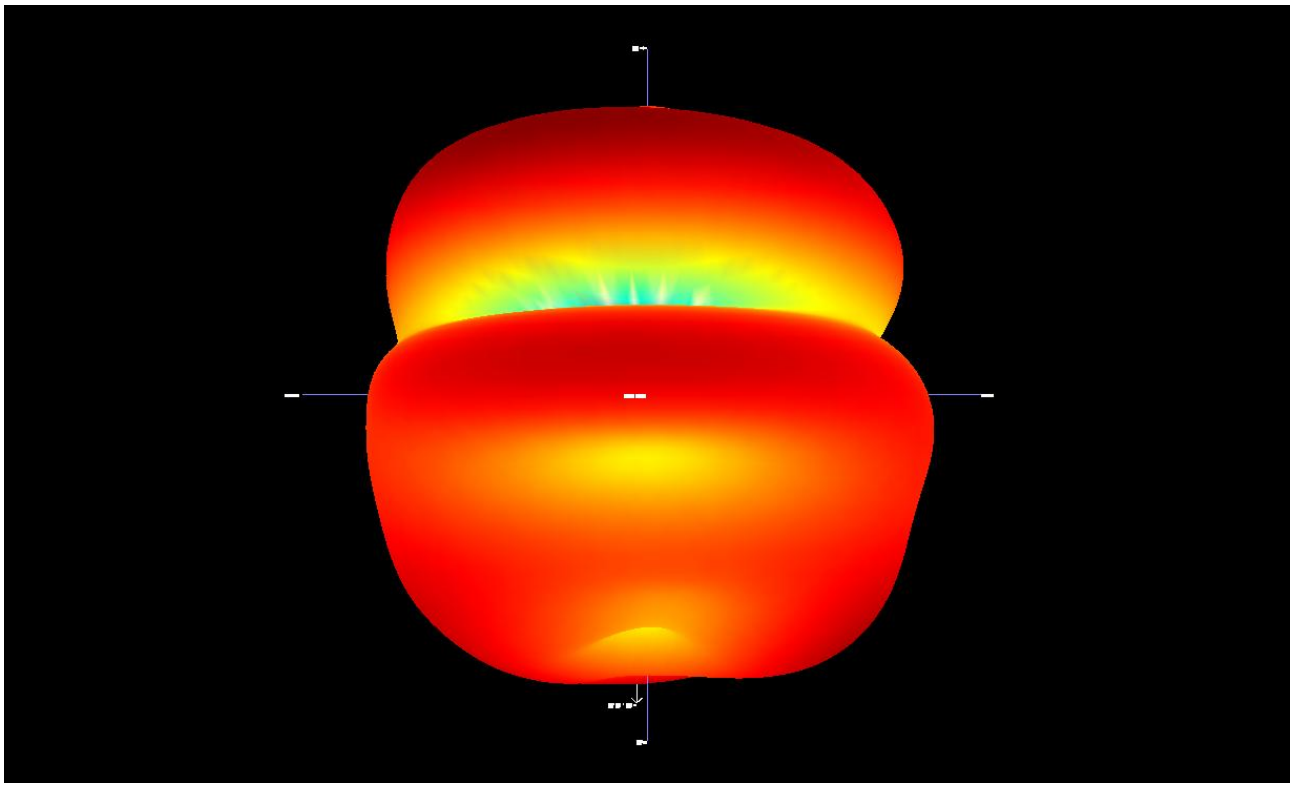


Theta=90°

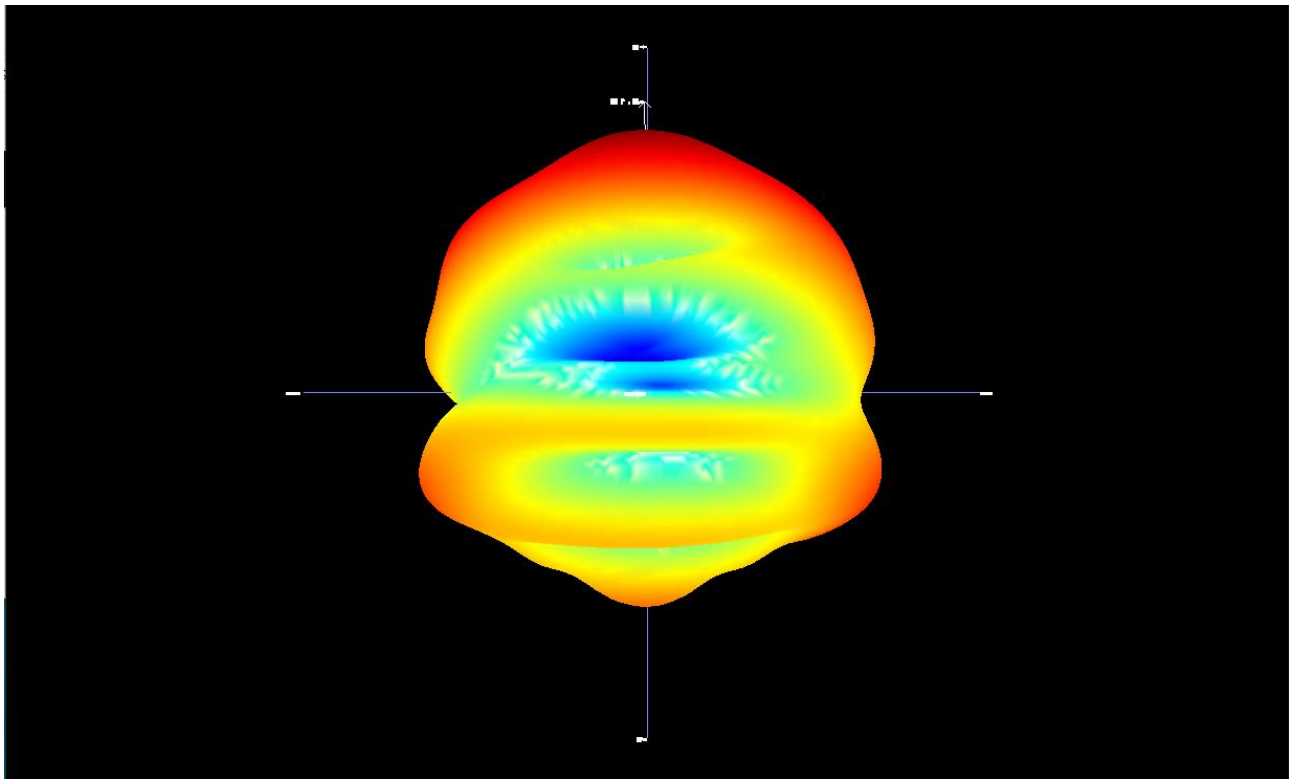
2. 3D Radiation Pattern



423.92MHz



433.92MHz



443.92MHz

Annex C General Information

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

1.2 Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

1.3 Test Equipments Utilized

No.	Equipement Name	Serial No.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Vector Network Analyzer	MY46214666	E5071C	Agilent	2024.02.02	2025.02.01
2	OTA Chamber	N/A	SG24	Satimo	2022.01.17	2025.01.16

1.4 Test Software Utilized

No.	Software Name	Serial No.	Version	Manufacturer
1	SatEnv	N/A	2.0.1.5 build 12	Satimo
2	SPM	N/A	1.11	Satimo

Note: The Main report is end here and the other Annex D will be submitted separately.

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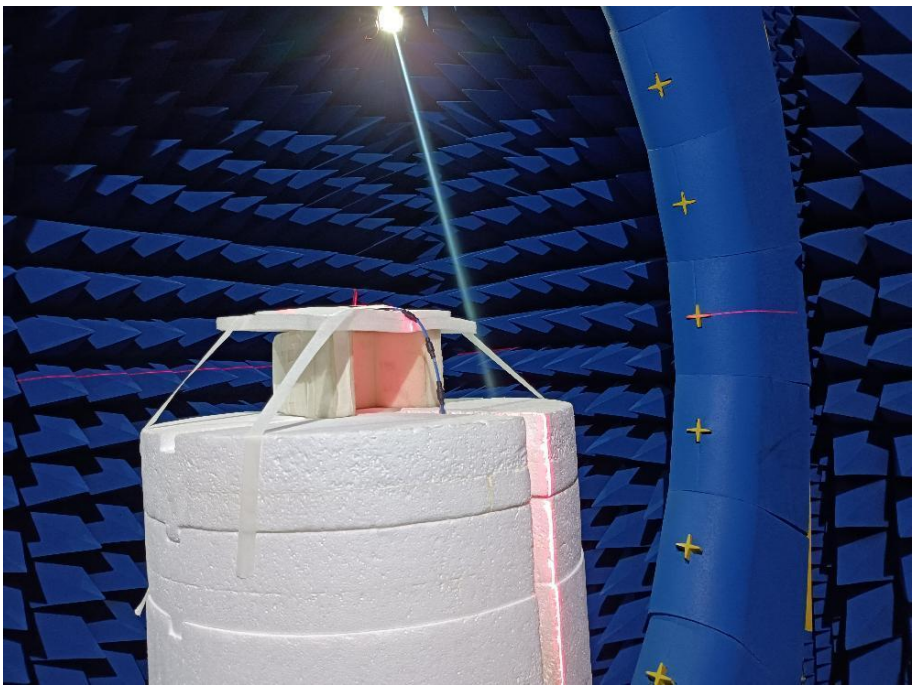
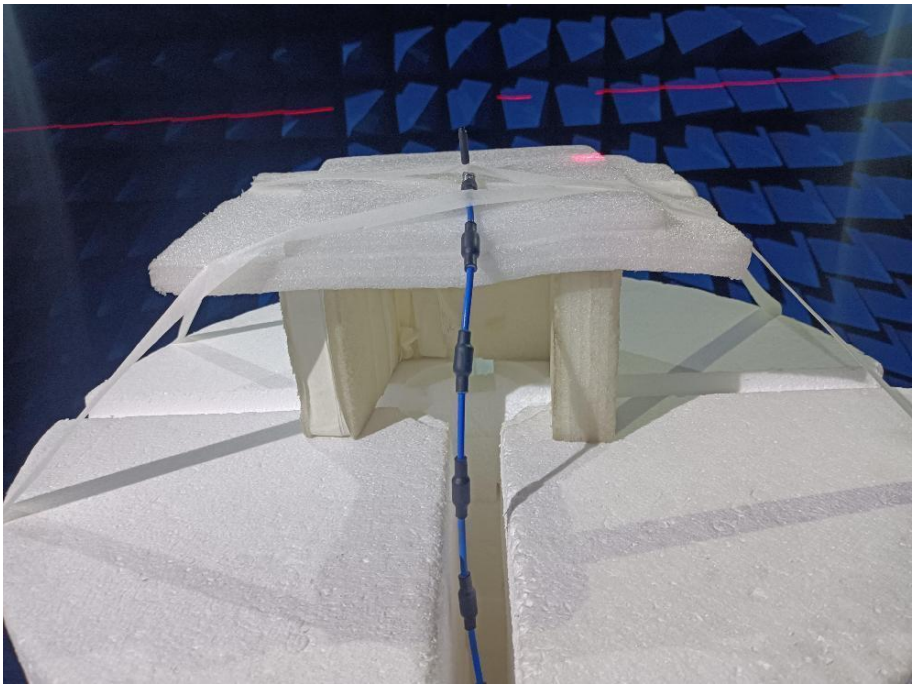
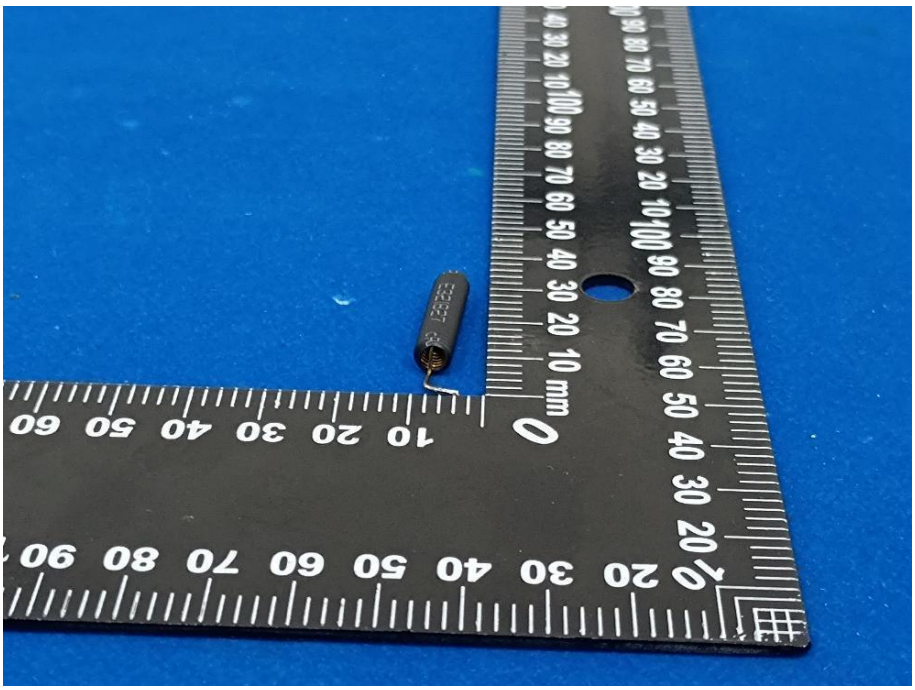
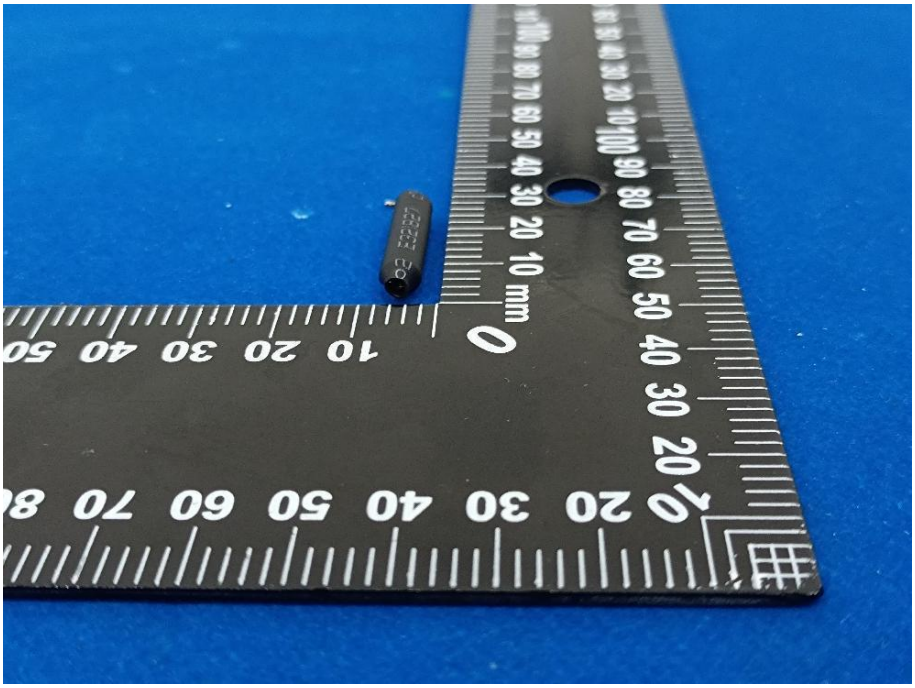
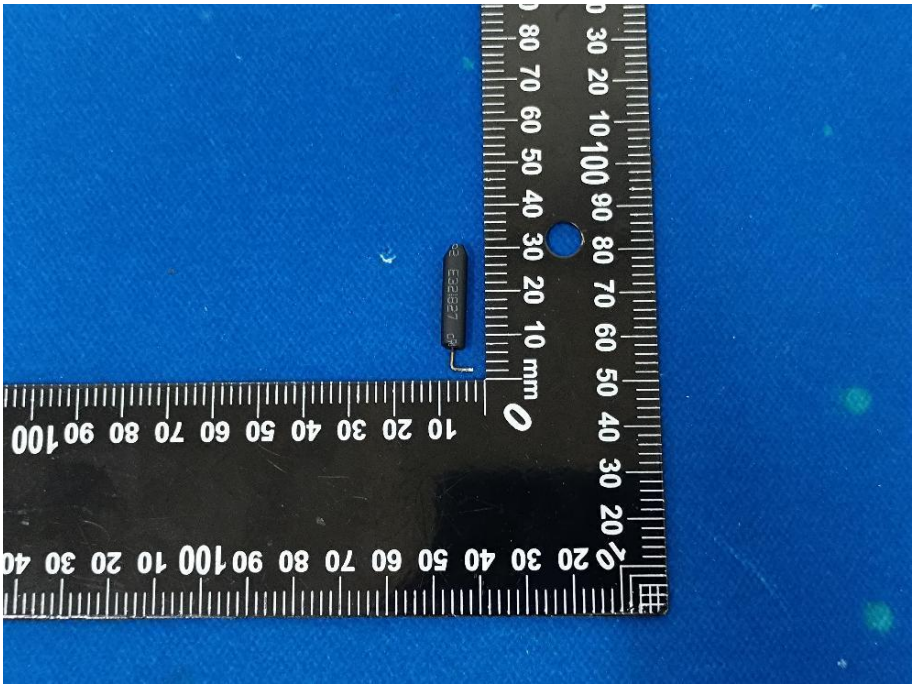
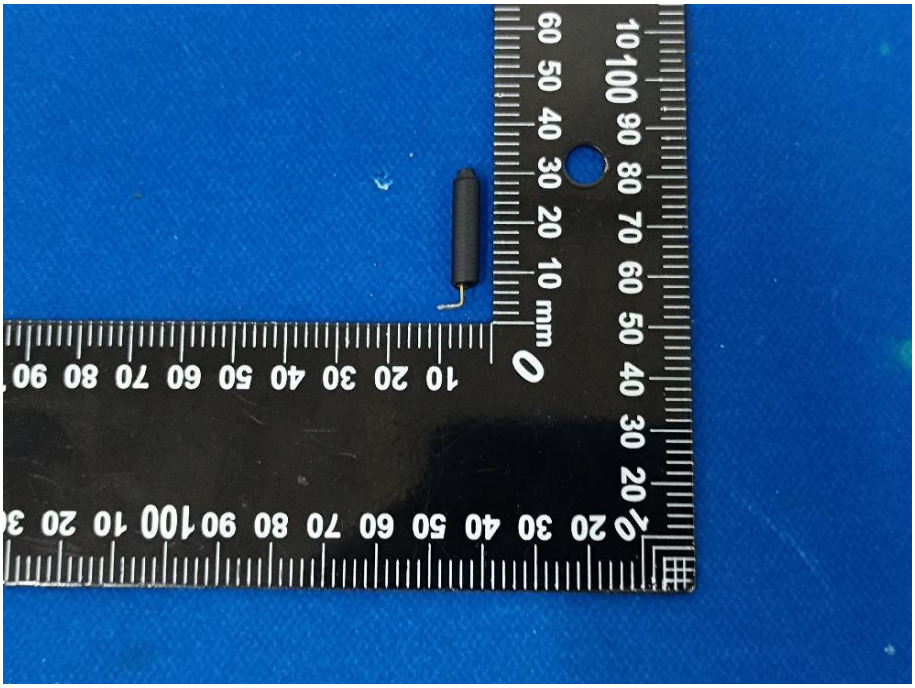
Annex D EUT Photos

1. Test environment





2. EUT