



TEST REPORT

APPLICANT : Drift innovation Ltd

PRODUCT NAME : X5 Mini

MODEL NAME : FD9988

TRADE NAME : N/A

STANDARD(S) : IEEE Std 149-2021

RECEIPT DATE : 2024-05-27

TEST DATE : 2024-05-27

ISSUE DATE : 2024-05-28

Edited by:

Mao Rujie(Rapporteur)

Approved by:

Chi Shide(Supervisor)

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Change History		
Version	Date	Reason for change
1.0	2024-05-28	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Drift innovation Ltd
Applicant Address:	The Light Box Unit 125, 111 Power Road, London, W4 5PY, United Kingdom
Manufacturer:	Driftsee Creative Co., Ltd
Manufacturer Address:	RM813, YangGuang YueHai building, Keji South 1st Road, Nanshan District, Shenzhen, Guangdong, China

1.2. Equipment Under Test (EUT) Description

Frequency	5725MHz-5850MHz
Product HW Version	N/A
Product SW Version	N/A
IMEI	N/A
Sample No.	1#

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:	+10 °C to +30 °C

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.

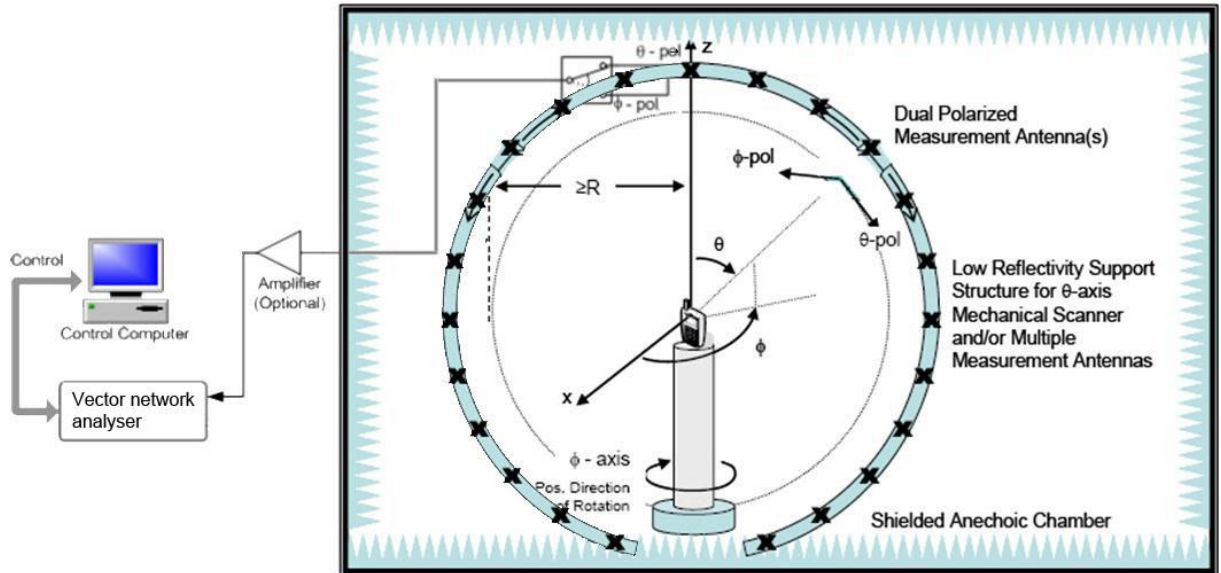


2.4. Test Results lists

2.4.1. Gain

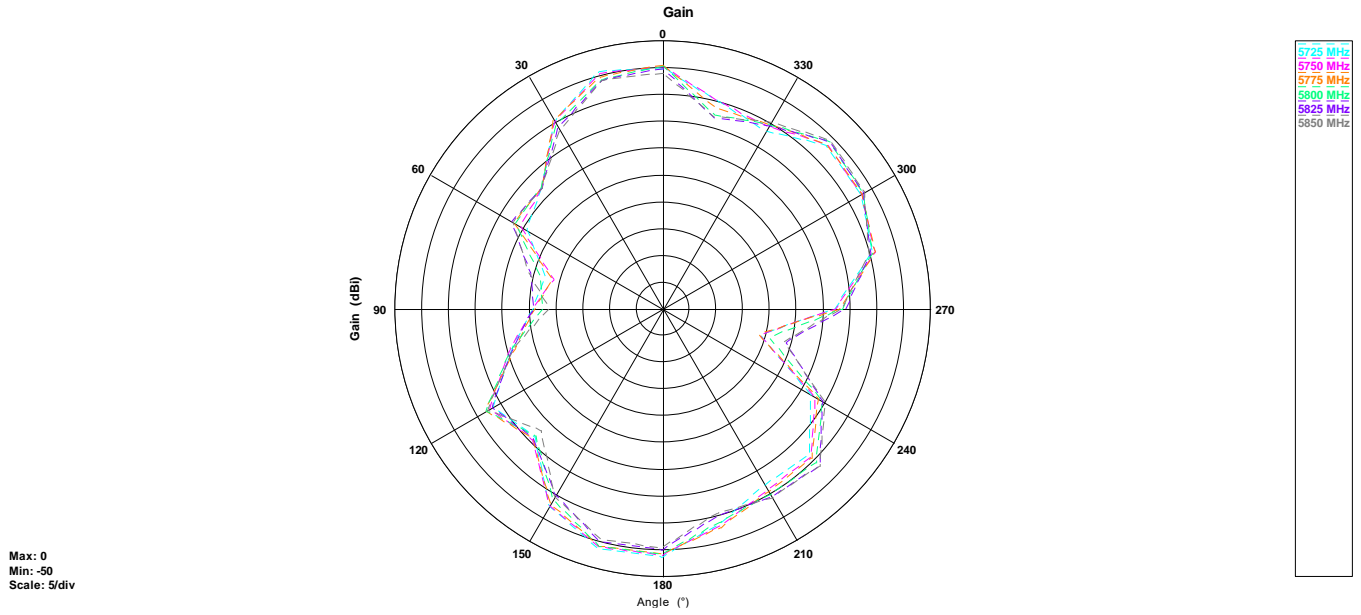
Frequency(MHz)	Gain(dBi)
5725	2.13
5750	2.28
5775	2.23
5800	2.11
5825	2.08
5850	1.84

Annex A Test Setup Photos

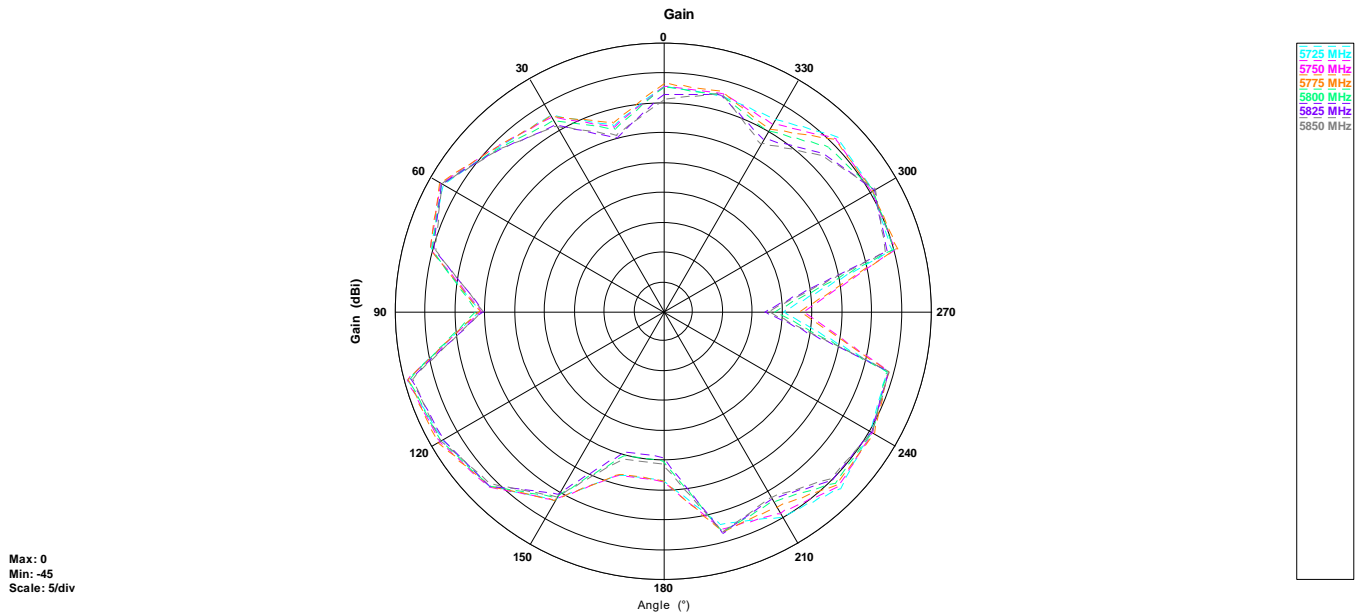


Annex B Figures

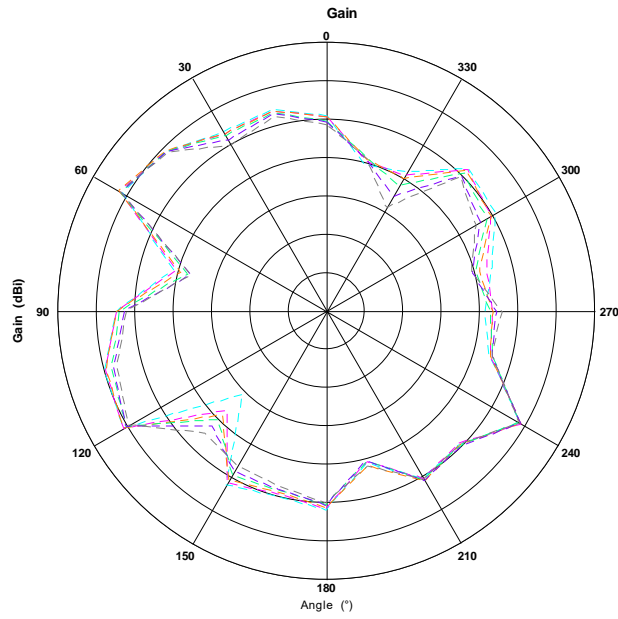
1. 2D Radiation Pattern



Phi=0°

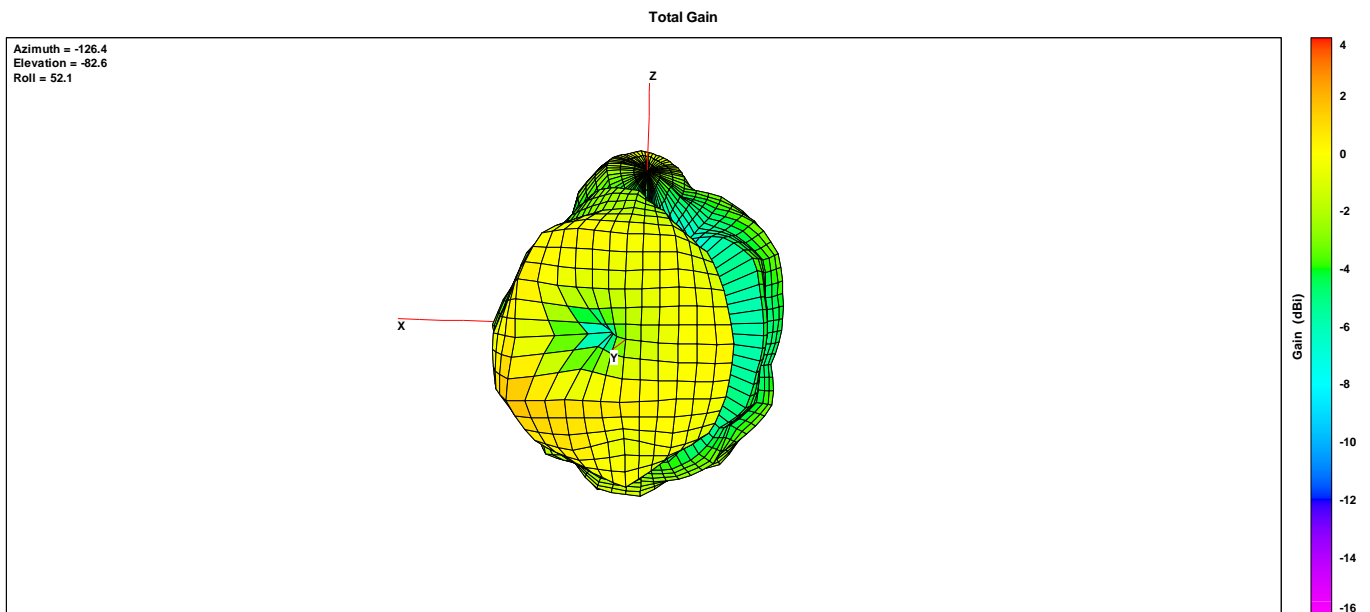


Phi=90°

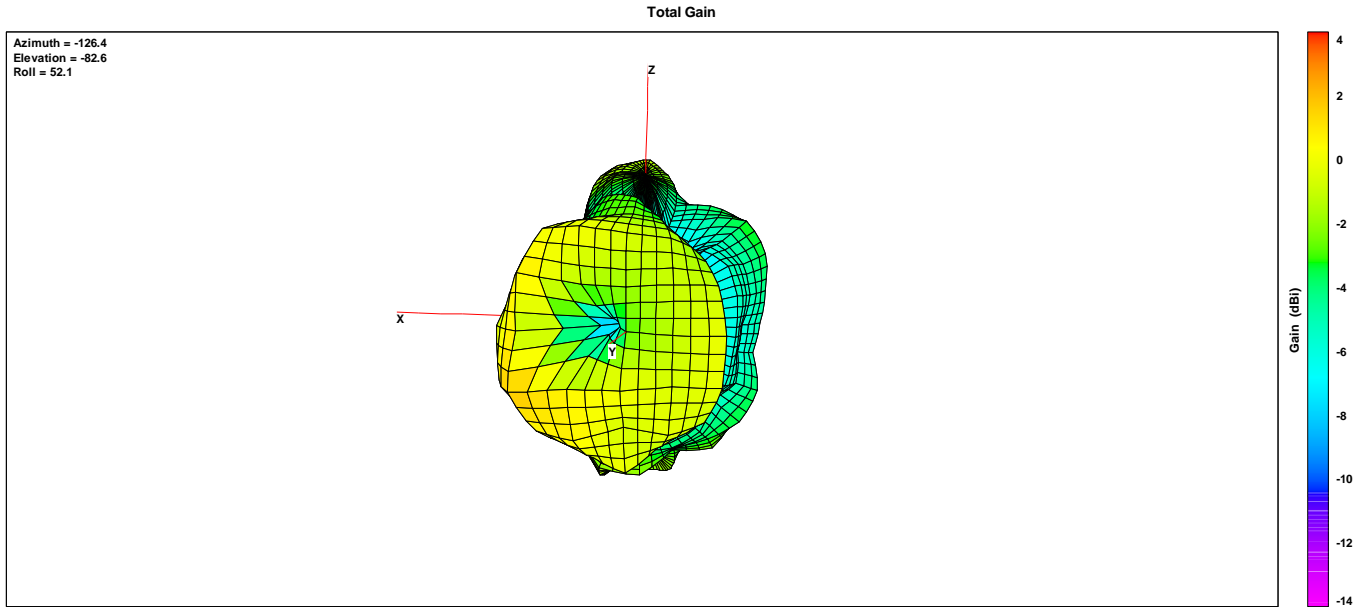


Theta=90°

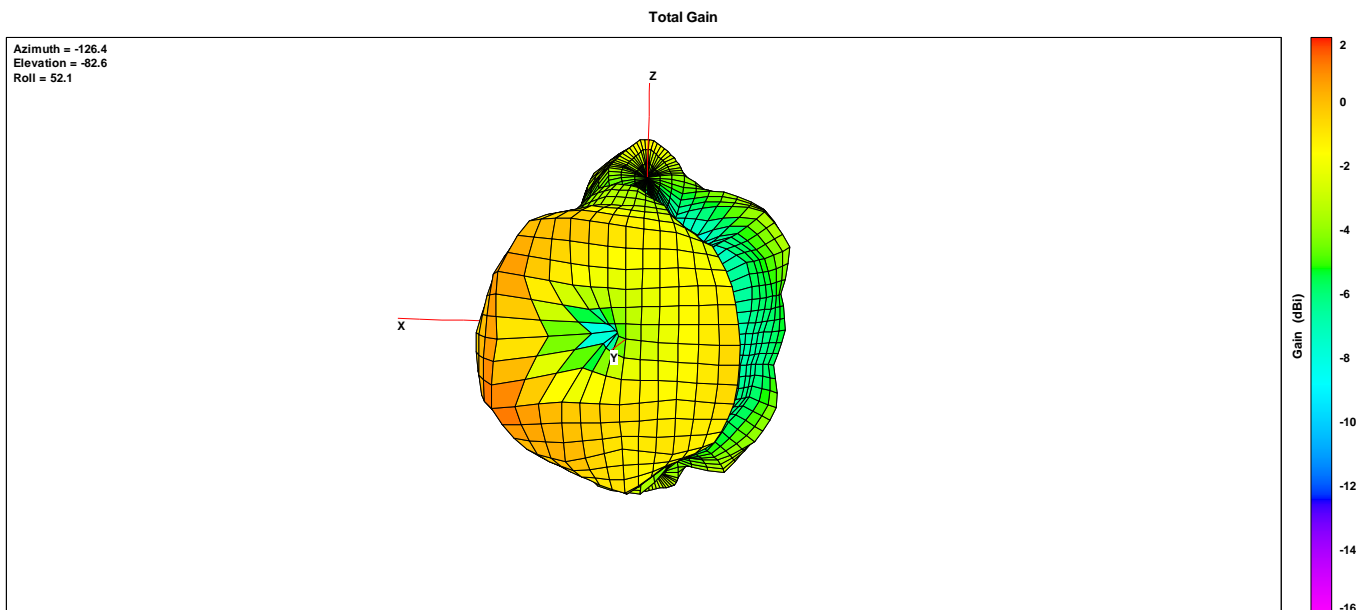
2. 3D Radiation Pattern



5725MHz



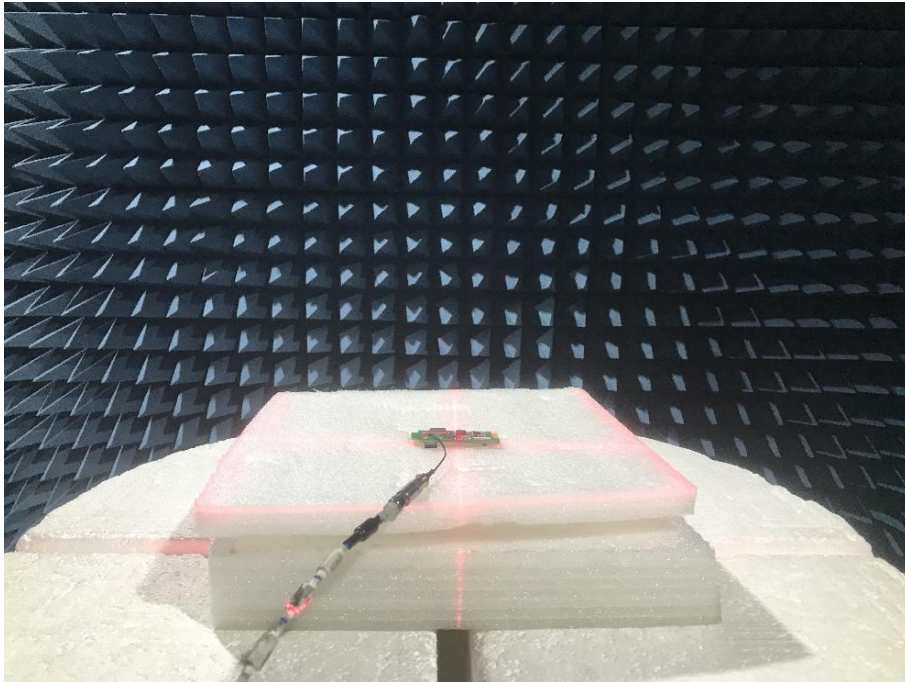
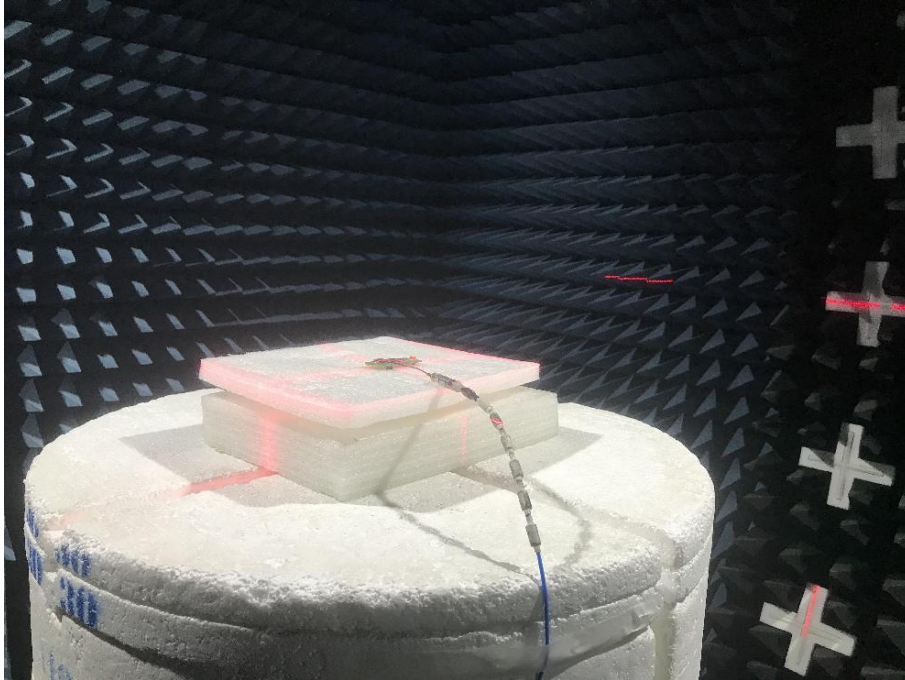
5800MHz



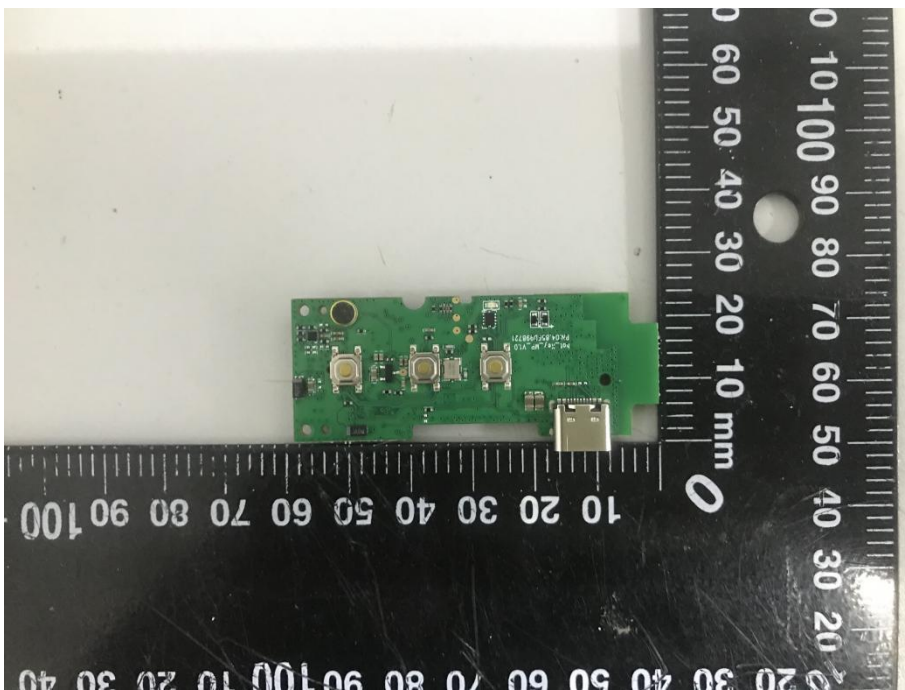
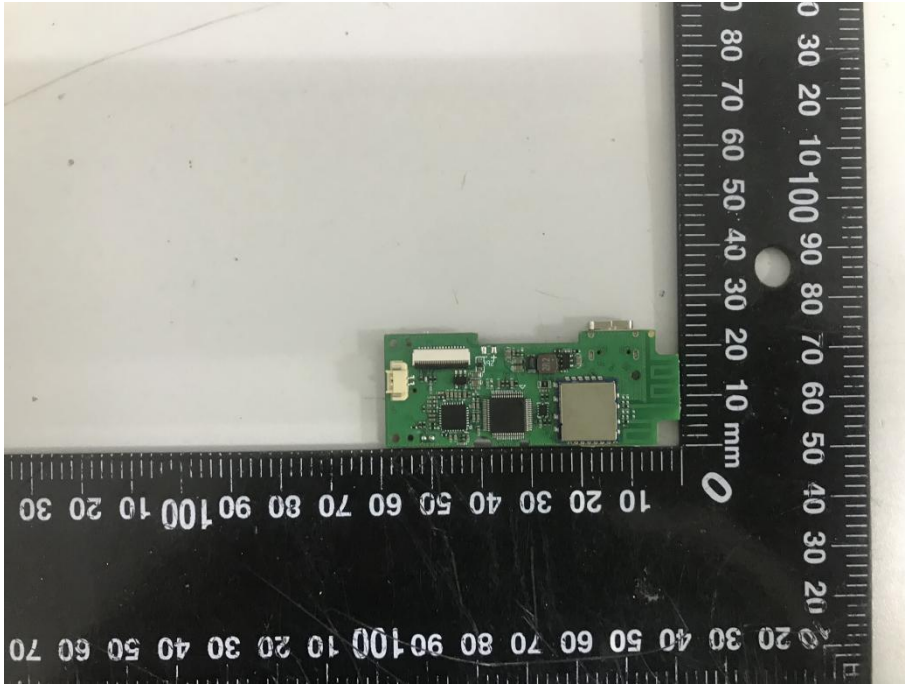
5850MHz

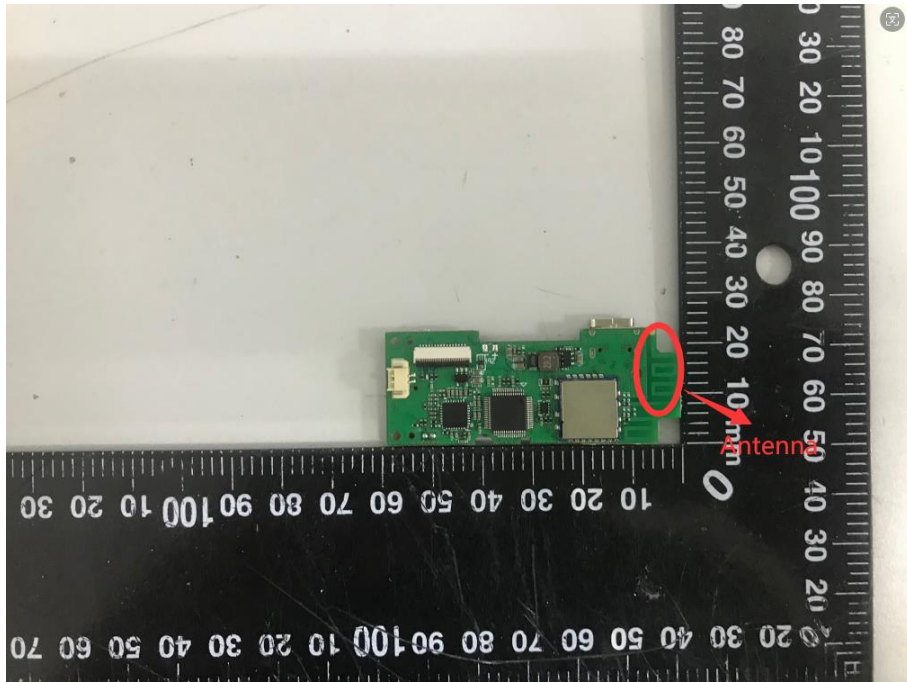
Annex C EUT Photos

1. Test environment



2. EUT







Annex D 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	Network Analyzer	MY46110140	E5071C	Agilent	2023.06.21	2024.06.20
2	OTA Chamber	TJ2235-Q1793	AMS-8923-150	ETS-Lindgren	2022.11.30	2025.11.29

1.4 Test Software Utilized

No.	Software Name	Serial No.	Version	Manufacturer
1	Antenna Measurement System	1685	EMQuest EMQ-100 V 1.13 Build 21267	ETS-Lindgren

————— END OF REPORT —————