



REPORT No.: SZ25090177E10

TEST REPORT

APPLICANT : Jinhua Tromox Technology Co., LTD

PRODUCT NAME : Remote Key

MODEL NAME : LD-182

TRADE NAME : N/A

BRAND NAME : DX

STANDARD(S) : IEEE Std 149-2021

RECEIPT DATE : 2025-09-28

TEST DATE : 2025-09-28

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MORLAB

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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	9
1.1 Identification of the Responsible Testing Laboratory	9
1.2 Identification of the Responsible Testing Location	9
1.3 Test Equipments Utilized	9
1.4 Test Software Utilized	9
Annex D EUT Photos	

Change History		
Version	Date	Reason for change
1.0	2025-10-16	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Jinhua Tromox Technology Co., LTD
Applicant Address:	No.1, Renhe Road, Shanghua Subdistrict, Lanxi, Jinhua City, Zhejiang Province, China
Manufacturer:	Jinhua Tromox Technology Co., LTD
Manufacturer Address:	No.1, Renhe Road, Shanghua Subdistrict, Lanxi, Jinhua City, Zhejiang Province, China

1.2. Equipment Under Test (EUT) Description

Wireless Type	N/A
Frequency	433.92MHz
Antenna Type	PCB Antenna
Product HW Version	DX-YK-XBC002
Product SW Version	DINGX008-V1
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

Notes: Any additions, deviation, or exclusions from the method shall be noted in the "Remark".

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.

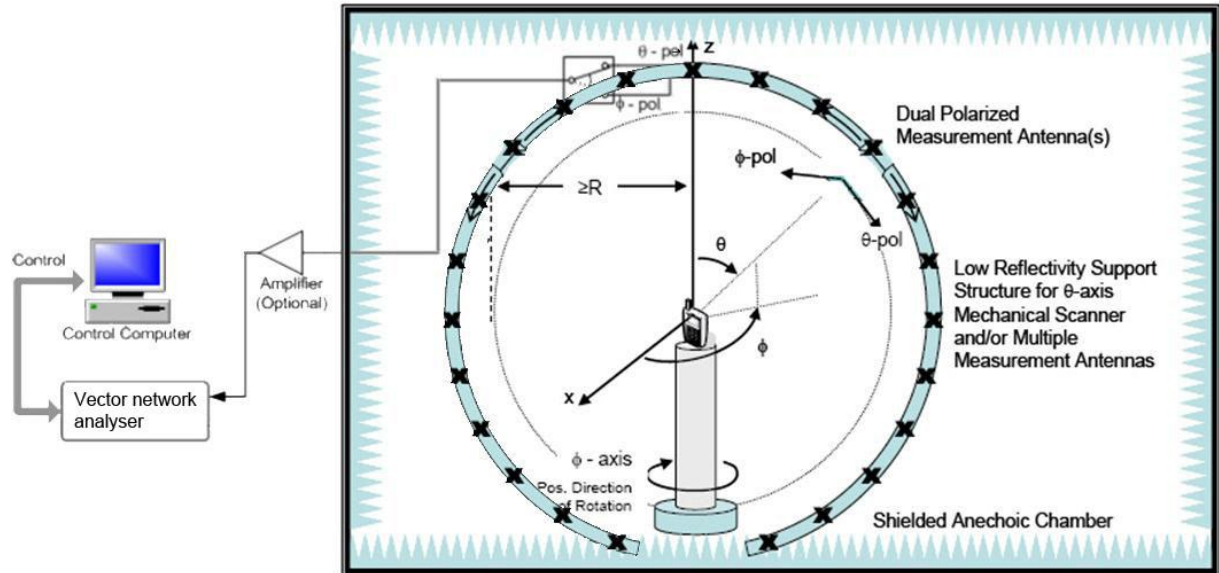


2.4. Test Results lists

2.4.1. Gain

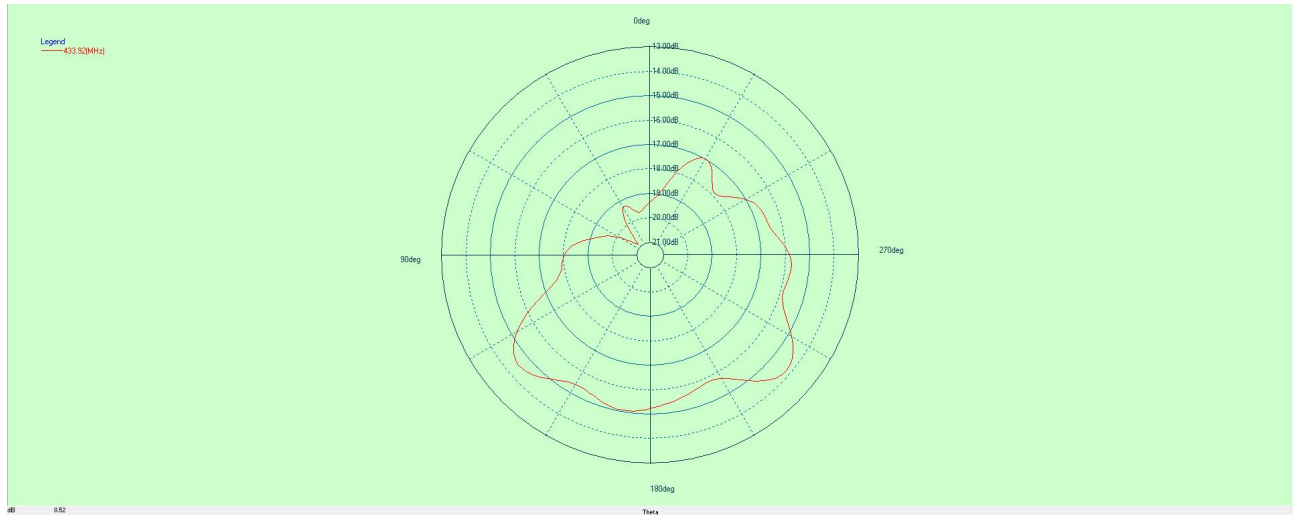
Frequency (MHz)	Gain(dBi)
433.92	-14.19

Annex A Test Setup Photos

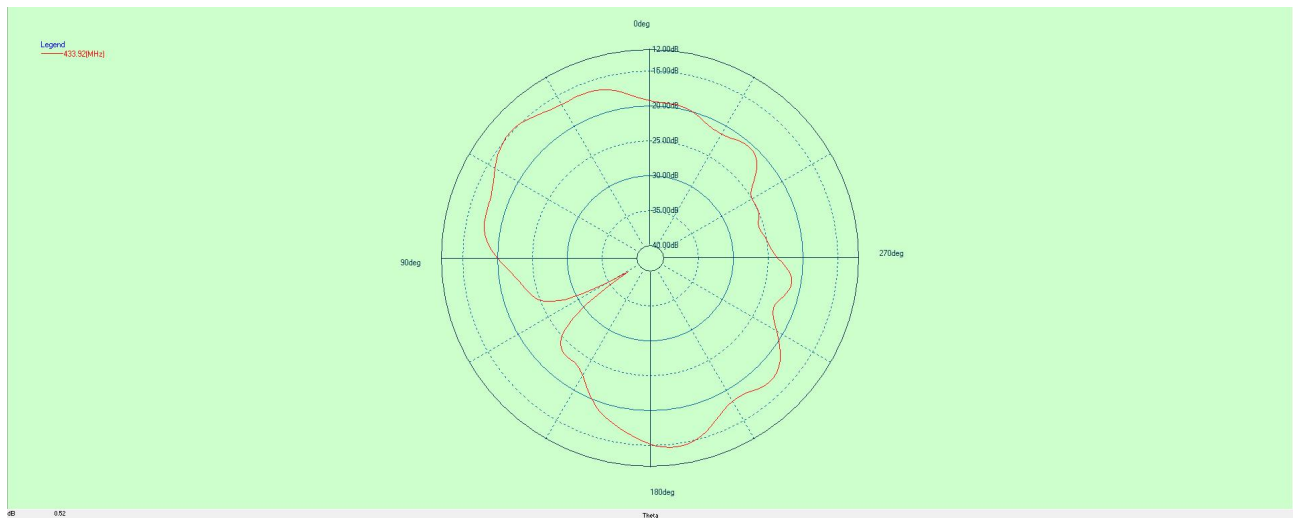


Annex B Figures

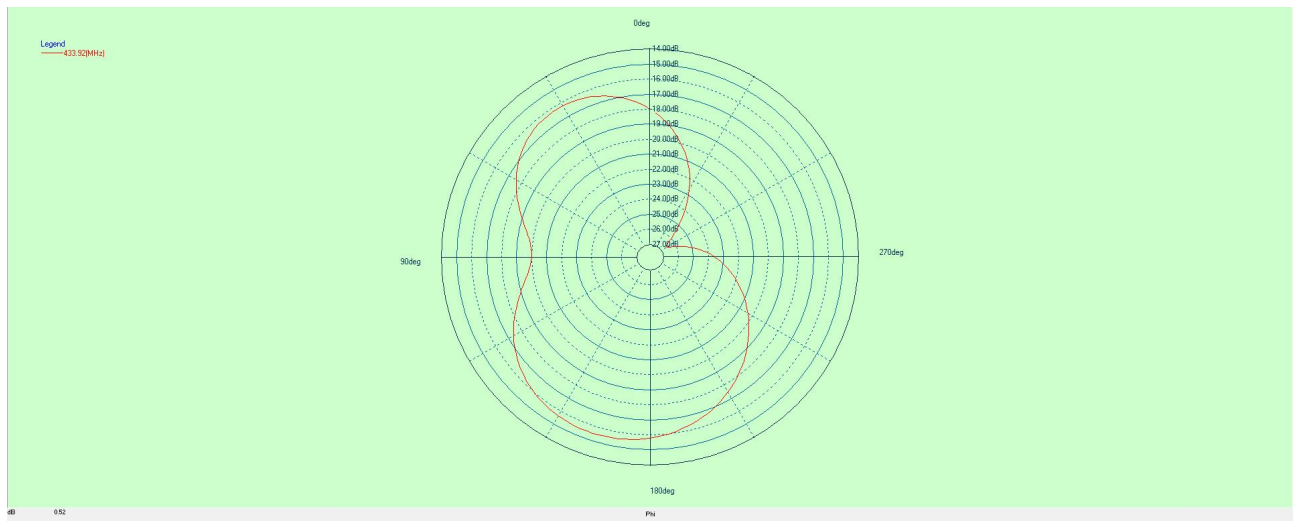
1. 2D Radiation Pattern



$\Phi=0^\circ$

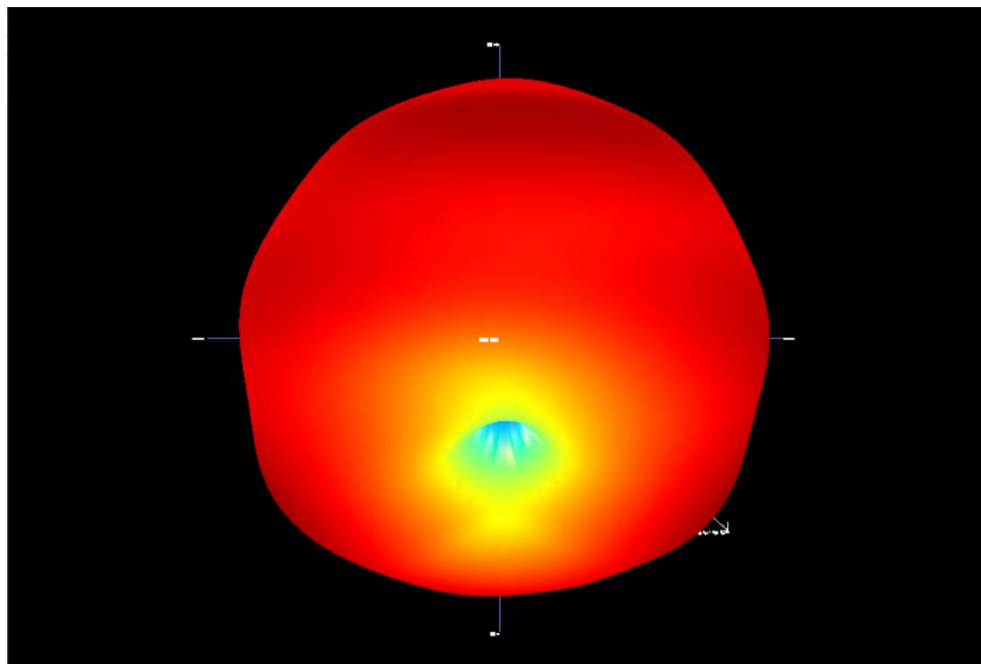


$\Phi=90^\circ$



Theta=90°

2. 3D Radiation Pattern



433.92MHz



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	2025.01.09	2026.01.08
2	OTA Chamber	N/A	SG24	Satimo	2025.01.11	2028.01.10

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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