



REPORT No.: SZ23020182E01

TEST REPORT

APPLICANT : Ningbo Tromox Technology Co., Ltd.

PRODUCT NAME : Wireless Remote Key

MODEL NAME : MX03KEYCA001S01

TRADE NAME : N/A

BRAND NAME : TROMOX

STANDARD(S) : IEEE Std 149-2021

RECEIPT DATE : 2023-02-24

TEST DATE : 2023-02-27

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Edited by:

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MORLAB

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Change History		
Version	Date	Reason for change
1.0	2023-03-08	First edition

1. Technical Information

Note: Provide by applicant.

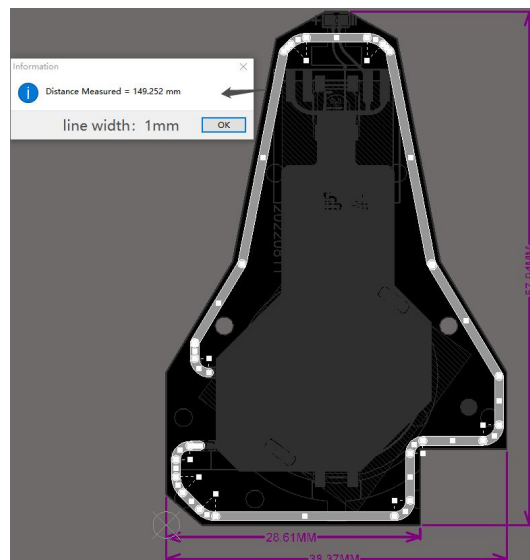
1.1. Applicant and Manufacturer Information

Applicant:	Ningbo Tromox Technology Co., Ltd.
Applicant Address:	1st & 2nd Floors, Building 20, No.36 Xingshun Road, Sino-Italy Ningbo Ecological Park, Yuyao, Ningbo, Zhejiang, China
Manufacturer:	Ningbo Tromox Technology Co., Ltd.
Manufacturer Address:	1st & 2nd Floors, Building 20, No.36 Xingshun Road, Sino-Italy Ningbo Ecological Park, Yuyao, Ningbo, Zhejiang, China

1.2. Equipment Under Test (EUT) Description

Wireless Type	N/A
Frequency	433.92MHz
Product HW Version	YMXPK02 V1.2
Product SW Version	Pke_Remote_ook_V1.1.hex
IMEI	N/A
Sample No.	1#

Dimensions:



Note: The sample photos shall be provided separately in Appendix B according to customer requirements.

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.

Item	Measurement Uncertainty(dB)
Gain	±0.5
VSWR	±0.2
Measurement Uncertainty(95% Confidence Interval) K=2	

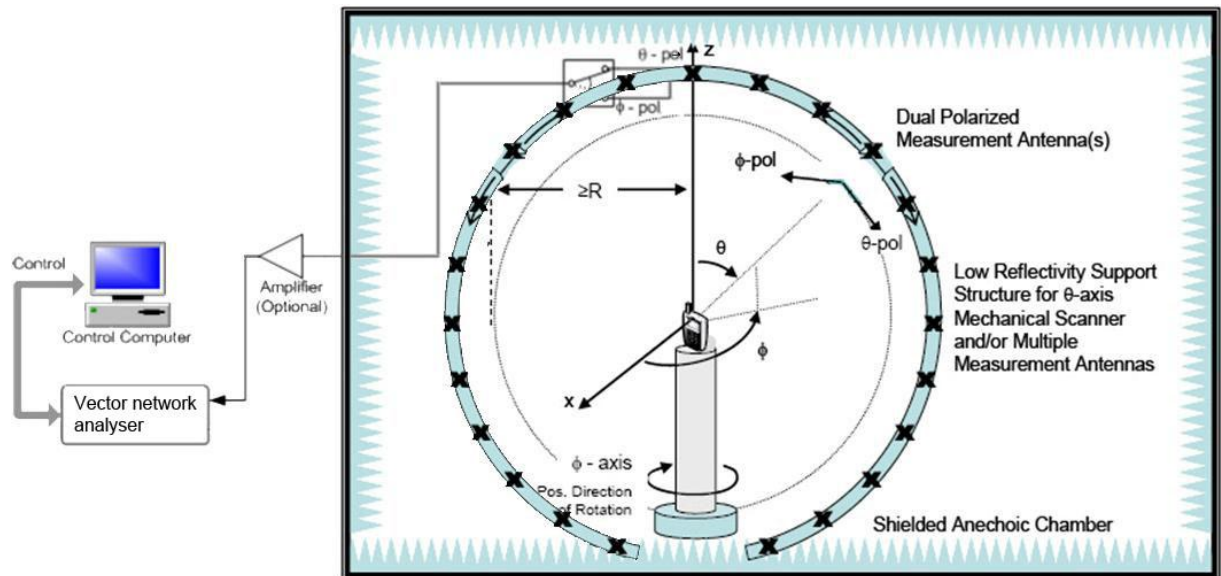


2.4. Test Results lists

2.4.1. Gain

Frequency(MHz)	Gain(dBi)
433.92	-9.56

Annex A Test Setup Photos





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.	Equipment Name	Serial NO.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Vector Network Analyzer	MY46214666	E5071C	Agilent	2023.02.09	2024.02.08
2	OTA Chamber	N/A	SG24	Satimo	2021.01.12	2024.01.11
3	SatEnv	N/A	2.0.1.5 build 12	Satimo	N/A	N/A
4	SPM	N/A	1.11	Satimo	N/A	N/A

————— END OF REPORT —————