



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 2
- **ISSUE DATE** : 2023-03-08

Edited by:

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





Note: Provide by applicant.

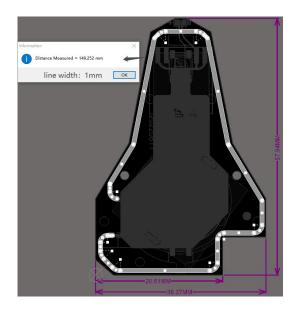
1.1. Applicant and Manufacturer Information

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

1.2. Equipment Under Test (EUT) Description

Wireless Type	N/A		
Frequency	433.92MHz		
Product HW Version	YMXPKE02 V1.2		
Product SW Version	Pke_Remote_ook_V1.1.hex		
IMEI	N/A		
Sample No.	1#		

Dimensions:

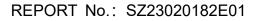


Note: The sample photos shall be provided separately in Appendix B according to customer requirements.



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2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title		
1	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			





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2.4. Test Results lists

2.4.1.Gain

Frequency(MHz)	Gain(dBi)	
433.92	-9.56	



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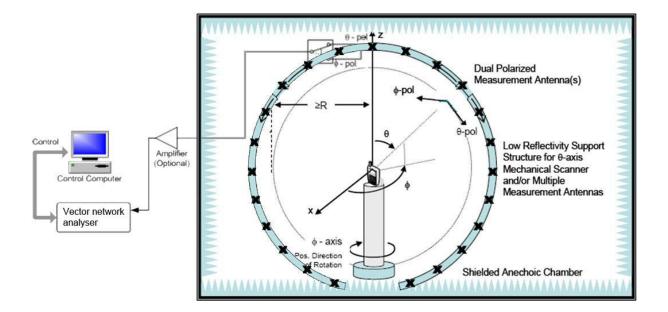
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Annex A Test Setup Photos





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General Information Annex C

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.	Туре	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 —



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