

RF EXPOSURE REPORT

FOR

Applicant	:	Globe Electric Company Inc.
Address	:	150 Oneida, Montreal, Quebec, Canada, H9R 1A8
Equipment under Test	:	433 Remote Control
Model No.	:	GE106TX, GE027TX
Trade Mark	:	Globe
FCC ID	:	2AQUQGE027TX
Manufacturer	:	Globe Electric Company Inc.
Address	:	150 Oneida, Montreal, Quebec, Canada, H9R 1A8

Issued By: Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No.17, Zongbu 2nd Road, Songshan Lake Park, Dongguan,
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REPORT

Table of Contents

Test report declares.....	3
1. General Information.....	5
1.1. Description of equipment.....	5
1.2. Assess laboratory	5
2. RF Exposure evaluation for FCC	6

Test Report Declare

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Standard Used: KDB447498 D01 General RF Exposure Guidance v06

We Declare:

The equipment described above is assessed by Guangdong Dongdian Testing Service Co., Ltd and in the configuration assessed the equipment complied with the standards specified above.

The assessed results are contained in this report and Guangdong Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these assess.

After evaluation, our opinion is that the equipment In Accordance with above standard.

Report No:	DDT-RE23072405-4E02		
Date of Receipt:	Aug. 08, 2023	Date of Test:	Aug. 08, 2023 ~ Aug. 15, 2023

Prepared By:

Tiger Mo

Tiger Mo/Engineer

Approved By:

Damon Hu

Damon Hu/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Aug. 15, 2023	

1. General Information

1.1. Description of equipment

EUT Name	: 433 Remote Control
Model Number	: GE106TX, GE027TX
Difference of models	: Above models are identical in schematic and structure, only the Model Number and Silicone silk printing are different for all the models, therefore the test performed on the model GE027TX .
EUT function description	: Please reference user manual of this device
Power Supply	: DC 3V From CR2032
Operation frequency	: 433.92MHz
Modulation	: OOK
Antenna Type	: PCB antenna
Sample Number	: S23072405-07

1.2. Assess laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2,Building 1,No.17,Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

2. RF Exposure evaluation for FCC

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

Manufacturing Tolerance

SRD

GFSK (Peak)	
Frequency (MHz)	433.92
Target (dBm)	-23.13
Tolerance \pm (dB)	1

Note:

PK Output Power=72.07dBuV/m@3m-95.2=-23.13dBm

Please refer to the test report "DDT-RE23072405-4E01"

Estimtion Result

Worse case is as below: [433.92 MHz, -22.13 dBm, (0.006 mW) output power]

$(0.006 / 5) \cdot [\sqrt{0.43392(\text{GHz})}] = 0.0008 < 3.0$ for 1-g SAR

Then SAR evaluation is not required.

END OF REPORT