

TEST REPORT

Product Name : Training Collar System
Model Number : X13
FCC ID : 2BXM4-X13

Prepared for : Dongguan Lixin Power Co., Ltd.
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1. TEST RESULT CERTIFICATION

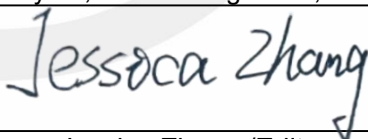
Applicant : Dongguan Lixin Power Co., Ltd.
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Manufacturer : Dongguan Lixin Power Co., Ltd.
Address : Room 102, Building 1, No. 87, Hongmei Section, Wangsha Road, Hongmei Town, Dongguan City, Guangdong Province, China
Factory : Dongguan Juliseng Electronic Technology Co., Ltd.
Address : Room 205, Building 1, No.22 Dashanwei Street, Qiaotou Town, Dongguan City, Guangdong Province
EUT : Training Collar System
Model Name : X13
Trademark : N/A
Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
§ 2.1093	PASS

The above equipment was tested by EMTEK (DONGGUAN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2020) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules FCC § 2.1093.

The test results of this report relate only to the tested sample identified in this report

Date of Test : July 03, 2026 to August 04, 2026

Prepared by : 
Jessica Zhang /Editor

Reviewer : 
Warren Deng /Supervisor

Approve & Authorized Signer :  
Sam Lv / Manager

Modified History

Version	Report No.	Revision Date	Summary
	EDG2606290281E00302R	/	Original Report



2. EUT Specification

Characteristics	Description
Product:	Training Collar System
Model Number:	X13
Sample:	1#
Operating Frequency Range(s) :	915.0MHz
Number of Channels:	1 channel
Max Field Strength	86.06 dBuV/m@3m
Antenna Type:	Spring antenna
Antenna Gain	2.5 dBi
Power Supply	DC 3.7V from Battery, DC 5V from USB
Evaluation applied:	☐ MPE Evaluation ☒ SAR Evaluation

RF EXPOSURE EVALUATION

SAR Evaluation

According to 447498 D01 V06, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

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,²⁴ where

- f_{GHz} is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁵
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval. One antenna is available for the EUT. The minimum separation distance is 5mm.

According to ANSI C63.10-2020

9.5 Equations to calculate EIRP

Calculate the EIRP from the radiated field strength in the far field using Equation (22):

$$\text{EIRP} = E + 20\log(d) - 104.7 \quad (22)$$

where

EIRP is the equivalent isotropically radiated power, in dBm

E is the field strength of the emission at the measurement distance, in dBμV/m

d is the measurement distance, in m

3. Measurement Result

915.0MHz SRD
FCC SAR

Channel Freq. (MHz)	Max Field Strength (dBuV/m)	peak output power (dBm)	Tune up Power (dBm)	Max tune up power (dBm)	Max tune up power (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Verdict
915.0	86.06	-9.0976	-10±1	-9	0.079433	0.00000002	1	PASS

According to KDB 447498, no stand-alone required for antenna, and no simultaneous SAR measurement is required.

*** End of Report ***