

TEST REPORT

Reference No...... : WTD25D12345326W003
FCC ID : 2BBF7-SX2U
Applicant..... : STETSOM ELECTRONICS USA INC.
Address..... : 66 WEST FLAGLER ST STE 900/7434 MIAMI, FLORIDA, USA
Manufacturer : STETSOM ELECTRONICS USA INC.
Address..... : 66 WEST FLAGLER ST STE 900/7434 MIAMI, FLORIDA, USA
Product..... : Remote control
Model(s) : REMOTE 1500FT, SX2 ULTRA
Standards..... : FCC 47CFR Part 2 Subpart J Section 2.1093
Date of Receipt Sample : 2025-12-26
Date of Test : 2025-12-30 to 2026-01-16
Date of Issue..... : 2026-02-09
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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3. Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTD25D12345326W003	2025-12-26	2025-12-30 to 2026-01-16	2026-02-09	Original	-	Valid

4. General Information

4.1. General Description of E.U.T.

Product Name:	Remote control
Model No.:	REMOTE 1500FT, SX2 ULTRA
Model Description:	Only the model's name and exterior color differ. Model REMOTE 1500FT was tested in this report.
Test Sample No.:	1-1/1
Hardware Version:	R2A
Software Version:	v1.2

4.2. Details of E.U.T.

Frequency Range:	434.06MHz
Type of Modulation:	FSK
Antenna installation:	PCB Printed Antenna
Antenna Gain	N/A

Note:

#: The antenna gain is provided by the applicant, and the applicant should be responsible for its authenticity, WALTEK lab has not verified the authenticity of its information.

Technical data:	Charging voltage DC 5V
Energy-storage capacitor:	3.8V 100F

4.3. Test Facility

The test facility has a test site registered with the following organizations:

ISED CAB identifier: CN0013. Test Firm Registration No.: 7760A.

Waltek Testing Group Co., Ltd. Has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files.

Registration number 7760A, October 15, 2016.

FCC Designation No.: CN1201. Test Firm Registration No.: 523476.

Waltek Testing Group Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration number 523476, September 10, 2019.

4.4. Subcontracted

Whether parts of tests for the product have been subcontracted to other labs:

☐ Yes ☒ No

If Yes, list the related test items and lab information:

Test Lab: N/A

Lab address: N/A

Test items: N/A

4.5. Abnormalities from Standard Conditions

None.

5. Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	FCC Part 2.1093	PASS

6. RF Exposure

FCC 47CFR Part 2 Subpart J Section 2.1093
 Test Requirement: 47 CFR Part 1 §1.1307
 47 CFR Part 1 §1.1310
 Evaluation Method: KDB 447498 D01 General RF Exposure Guidance v06

6.1. Definitions

According to § 2.1093 (b), A portable device is defined as a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that the RF source's radiating structure(s) is/are within 20 centimeters of the body of the user.

6.2. Method of Evaluation

Determination of Exemption:

For single RF sources

Option A 1-mW Test Exemption

Applies to all frequencies and all distances

- Could be considered SAR-based and MPE-based exclusions
- $P < 1\text{mW}$
- Limitation—when there are simultaneously operating transmitters this exclusion only applies when all simultaneously operating transmitters meet this exemption
- Refer 1.1307(b)(3)(i)(A) and 1.1307(b)(3)(ii)(A)

Option B SAR-Based Exemption

Frequency range 300 MHz -6 GHz, $5\text{mm} \leq \text{distance} \leq 40\text{cm}$

- The maximum time-averaged power or effective radiated power (ERP), whichever is greater, $\leq P_{th}$.
- P_{th} is calculated based on separation distance d cm from transmitter to person for the device operating at f GHz.

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

d = the separation distance (cm);

Option C MPE-Based Exemption

1.1307(b)(3)(i)(C): ERP is below a threshold calculated based on the distance R between the person and the antenna / radiating structure, where $R > \lambda / 2\pi$.

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2f$.
1,500-100,000	$19.2R^2$.
Note: R in meters, f in MHz	

For multiple RF sources

According to 47CFR 1.1307(b)(3)(ii), the calculation formula is as follow:

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$$

6.3. Radio Frequency Radiation Exposure Evaluation

According to ANSI C63.10:2013 clause 9.5

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

$$EIRP = E_{Meas} + 20 \log(d_{Meas}) - 104.7 \quad (22)$$

where

EIRP	is the equivalent isotropically radiated power, in dBm
E_{Meas}	is the field strength of the emission at the measurement distance, in dBμV/m
d_{Meas}	is the measurement distance, in m

NOTE—Because this equation yields the identical result whether the field strength is extrapolated using the default 20 dB/decade of distance extrapolation factor, or the field strength is not extrapolated for distance, this equation can generally be applied directly (with no further correction) to determine EIRP. In some cases, a different distance correction factor may be required; see 9.1.

6.4. Evaluation Results

Frequency (MHz)	E-Field Strength (dBuV/m)	Measurement Distance (m)	EIRP (dBm)	Max. tune-up ¹	
				dBm	mW
434.06	71.53	3	-23.63	-22.63	0.005

Note:

¹ tune-up tolerance is +/- 1.

This device belongs to Portable Device and with single RF source, and $P < 1\text{mW}$

Option A 1-mW Test Exemption is applicable.

Conclusion:

No SAR measurement is required.

=====End of Report=====