Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
Email: sales@LarsonElectronics.com
Fax: 903.765.7664

IND-MD-DF-ESF-R3-220V

Portable Battery-powered Electrostatic Sprayer & Cannon - 6.56' Spray Distance - 4.22G Tank Capacity - No-Contact Disinfection

Product ID: 270419



Image: IND-MD-DF-ESF-R3-220V

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

IND-MD-DF-ESF-R3-220V Cordless Disinfection Sprayer

Unit Type: Portable Battery-powered Sprayer
Dimensions: 14.96" x 7.48" x 21.25"
Weight: 9.03 lb
Cannon Weight: 3.30 lb
Sprayer Voltage: 12 V DC
Working Pressure (Sprayer): 0.15-0.4 Mpa
Droplet Size (Sprayer): ≤120μm
Flow Rate (Sprayer): 3.17 Gallons Per Hour
Spraying Distance (Sprayer): 6.56'
Working Pressure (Cannon): 0.15-0.4 Mpa
Droplet Size (Cannon): 50-90μm
Flow Rate (Cannon): 4.75 Gallons Per Hour
Spraying Distance (Cannon): 19.68'
Tank Capacity: 4.22 Gallons
Tank Coverage Area: 5 Acres per Full Tank (0.79 Gallons per Acre)
Mount: Portable Handle
Battery Type: 10aH Lithium-ion
Battery Recharge Time: 1 Hour
Field Replaceable Battery: NO
Runtime: 8 Hours per Full Charge

Ratings/Features
No-contact Disinfection

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671

Area Coverage per Charge: 40 Acres (5 Acres per Hour)
Charger Voltage: 220 V, 50/60 Hz
Package Contents: Cordless Sprayer, Cannon, Battery, Wall Charger, (3) Nozzles, Tank w/ Lid

Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The Larson Electronics IND-MD-DF-ESF-R3-220V Portable Battery-powered Electrostatic Sprayer & Cannon is a no-contact disinfection solution for hard-to-reach surfaces in work sites, outdoor areas, gyms, offices, daycare centers, warehouses, airports, healthcare facilities, and more. This wireless device sprays a mist consisting of a sanitizing agent, which applies an even coating on surfaces and equipment. Equipped with a 4.22-gallon tank capacity, the sprayer comes with a power charger, 10aH lithium-ion battery, three nozzles, and tank with lid.

******PLEASE NOTE: Chemicals are not included with the unit.******

The IND-MD-DF-ESF-R3-220V disinfects hard-to-reach surfaces, areas, and odd-shaped equipment without contact. This portable electrostatic unit is equipped with a 4.22-gallon tank capacity that holds the sanitizing agent. When using the sprayer wand, the device turns the liquid solution into a mist (median drop diameter of =120µm) as the mixture is released into the area. For best results, a 6.56` spraying distance between the sprayer and the target surface should be observed during application. This device has a working pressure of 0.15-0.4 Mpa and a flow rate of 3.17 gallons per hour when using the wand attachment.

When using the cannon, the device turns the liquid solution into a mist (median drop diameter of 50-90µm) as the mixture is released into the area. For best results, a 19.68` spraying distance between the cannon and the target surface should be observed during application. This device has a working pressure of 0.15-0.4 Mpa and a flow rate of 4.75 gallons per hour. In addition to sanitation, the portable sprayer can be used for pest control and plant fertilization (using various liquid material, soluble powder, or emulsion).

Battery: The IND-MD-DF-ESF-R3-220V is powered by an 10aH lithium-ion battery, which offers a runtime of 8 hours per full charge. A wall charger that operates on 220 V, 50/60 Hz is included with the unit. The battery is only replaceable for repair and is NOT field replaceable to extend runtime. From a completely depleted state, the battery will take 1 hour to fully recharge.

Mount: Equipped with a handle, this wireless disinfection device is designed for portable use to allow maximum reach of areas and surfaces.

Suggested Applications: Industrial sites, manufacturing facilities, warehouses, outdoor areas, factories, farms, airports, gyms, offices, daycare centers, hospitals, workshops, labs, and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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中国认可
检验
INSPECTION
CNAS IB0071

NO.2620070034

SAFETY DATA SHEET

Product Name:	Rechargeable lithium-ion batteries SYX-12V9Ah 11.1V 9Ah 99.9Wh
Effective Date:	2020-08-21
Compiler:	Liu Linlin
Checker:	Dongxuesheng
Approver:	Zhangxiaojin

上海化工院检验有限公司
检验检测专用章

Shanghai Research Institute of Chemical Industry Testing Co., Ltd.

Yuanyang County Shengyuanxiang Lithium Battery Co., Ltd.

SAFETY DATA SHEET

Rechargeable lithium-ion batteries SYX-12V9Ah 11.1V 9Ah 99.9Wh

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name:	Rechargeable lithium-ion batteries SYX-12V9Ah 11.1V 9Ah 99.9Wh
Company: Address:	Yuanyang County Shengyuanxiang Lithium Battery Co., Ltd. No. 128, 10 meters south of west of the Dingzi Road, Xincun East Road, East Street, Yuanyang County, Xinxiang City, Henan Province, 453500, P.R.China
Email:	ZHANG13113287969@163.com
Fax:	/
Emergency Phone:	86-13113287969
SDS Number:	2620070034
Effective Date:	2020-08-21

SECTION2 HAZARDS IDENTIFICATION

Hazards Identification:

The battery has passed the test items of UN Model Regulations, Manual of Test and Criteria Section UN 38.3.

Emergency Overview:

Caution: Avoid contact and inhalation the electrolyte contained inside the battery.

SECTION3 INFORMATION ON INGREDIENTS

Product name: Rechargeable lithium-ion batteries SYX-12V9Ah 11.1V 9Ah 99.9Wh

Ingredient	Concentration	CAS No.	EC No.
Lithium cobalt oxide	37.82%	12190-79-3	235-362-0
Lithium hexafluorophosphate	18.56%	21324-40-3	244-334-7
Graphite	16.48%	7782-42-5	231-955-3
Copper	9.74%	7440-50-8	231-159-6
Aluminum	9.03%	7429-90-5	231-072-3
Polyethylene	3.03%	9002-88-4	618-339-3
Polyvinylidene fluoride	1.46%	24937-79-9	607-458-6
Polypropylene	1.3%	9003-07-0	618-352-4
Nickel	1.08%	7440-02-0	231-111-4
Poly[imino(1-oxo-1,12-dodecanediyl)]	0.8%	24937-16-4	607-456-5

Styrene butadiene rubber	0.39%	61789-96-6	/
Carboxymethyl cellulose	0.31%	9000-11-7	618-326-2

SECTION4 FIRST-AID MEASURES

Skin Exposure:

If the internal battery materials of an opened battery cell come into contact with the skin, immediately flush with plenty of water.

Eye Exposure:

In case of the internal battery materials in contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Inhalation Exposure:

If inhaled the internal materials of battery, remove immediately to fresh air and seek medical attention.

Oral Exposure:

If swallowed the internal materials of battery, do not induce vomiting. Seek immediate medical attention.

SECTION5 FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable: Dry chemical, Sandy soil, Carbon dioxide or appropriate foam.

Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific hazards: Emit toxic fumes under fire conditions.

SECTION6 ACCIDENTAL RELEASE MEASURES

Procedure of Personal Precaution:

If batteries show signs of leaking, avoid skin or eye contact with the material leaking from the battery. Use chemical resistant rubber gloves and non-flammable absorbent materials for clean up. Mix with inert material (e.g. dry sand, vermiculite) and transfer to sealed container for disposal.

SECTION7 HANDLING AND STORAGE

Handling:

Keep away from ignition sources, heat and flame. Such batteries must be packed in inner packages in such a manner as to effectively prevent short circuits and to prevent movement which could lead to short circuits. Avoid mechanical or electrical abuse. More than a momentary short circuit will generally reduce the battery service life. Avoid reversing battery polarity within the battery assembly. In case of a battery unintentionally be crushed, rubber gloves must be used to handle all battery components. Avoid contact with eyes, skin. Avoid inhalation. No smoking at working site. Materials to Avoid: Strong oxidizing agents, Corrosives.

Storage:

Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Such batteries must be packed in inner packages in such a manner as to effectively prevent short circuits and to prevent movement which could lead to short circuits. Materials to Avoid: Strong oxidizing agents, Corrosives.

SECTION8 EXPOSURE CONTROL/PPE

Engineering Controls:

Use ventilation equipment if available. Safety shower and eye bath.

Personal Protective Equipment:

Respiratory System: Not necessary under conditions of normal use.
Eyes: Not necessary under conditions of normal use.
Clothing: Wear appropriate protective clothing.
Hand: Safety gloves.

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Blue plastic film shell
Odor:	Odorless
Melting Point/℃:	>300℃
Solubility:	Partial soluble in water

SECTION10 STABILITY AND REACTIVITY

Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Avoid exposure to heat and open flame. Avoid mechanical or electrical abuse. Prevent short circuits. Prevent movement which could lead to short circuits.

Materials to Avoid:

Strong oxidizing agents, Corrosives.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Metal oxides, CO, CO_2.

SECTION11 TOXICOLOGICAL INFORMATION

Toxicity Data:

Not available.

Irritation Data:

The internal battery materials may cause irritation to eyes and skin.

SECTION12 ECOLOGICAL INFORMATION

No data available.

SECTION13 DISPOSAL CONSIDERATION

Appropriate Method of Disposal of Substance:

Lithium batteries are best disposed of as a non-hazardous waste when fully or mostly discharged. Contact a licensed professional waste disposal service to dispose of large quantities materials.

SECTION14 TRANSPORT INFORMATION

Rechargeable Li-ion Battery contained in the 3JWB Type Electrostatic Sprayer during transport:	The product has passed the test items of UN Model Regulations, Manual of Test and Criteria Section 38.3. The total net weight of the lithium batteries is less than 5 kg.
IATA DGR (61st Edition) :	The product shall meet the General Requirements and section II of Packaging Instruction 967. According to 3.9.2.6.1(g) of IATA DGR (61st Edition) , Manufacturers and subsequent distributors of cells or batteries manufactured after 30 June 2003 shall make available the test summary as specified in the Manual of Tests and Criteria, Part III, sub-section 38.3, paragraph 38.3.5.
IMO IMDG Code(2018 Edition):	The product is not restricted to the other provisions of IMO IMDG Code according to special provision 188. According to 2.9.4.7 of IMDG Code(2018 Edition), Manufacturers and subsequent distributors of cells or batteries manufactured shall make available the test summary as specified in the Manual of Tests and Criteria, Part III, sub-section 38.3, paragraph 38.3.5.

SECTION15 REGULATORY INFORMATION

ICAO:

1. Unless be exempted according to ICAO TI, the lithium ion cell/batteries (UN 3480, PI 965) and lithium metal cell/batteries (UN 3090, PI 968) are forbidden for carriage on passenger aircraft.
2. Unless be approved according to ICAO TI, Lithium ion cells/batteries (UN 3480, PI 965) must be offered for transport at a state of charge (SoC) not exceeding 30% of their rated design capacity.
3. A shipper is not permitted to offer for transport more than one (1) package prepared according to Section II of PI 965 and PI 968 in any single consignment. Not more than one (1) package prepared in accordance with Section II of PI 965 and PI 968 may be placed into an overpack.
4. Packages prepared according to Section II of PI 965 and PI 968 must be offered to the operator separately from other cargo and must not be loaded into a unit load device (ULD) before being offered to the operator.

SECTION16 OTHER INFORMATION

Date:

2020-08-21

Department:

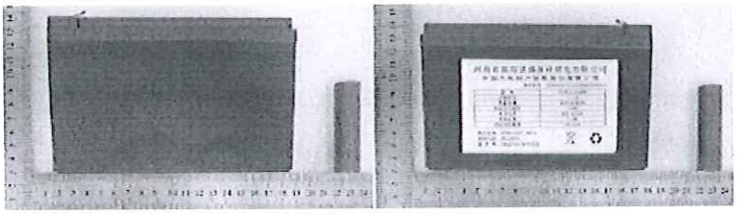
Shanghai Research Institute of Chemical Industry Testing Co., Ltd.
Tel(Fax):+86-21-52815377/31765555

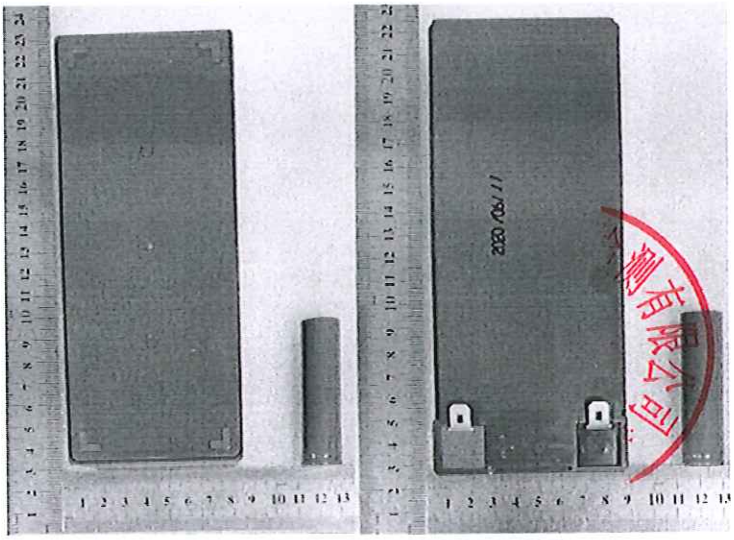
Revision:

0

Other Information:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.





河南省原阳县盛源祥锂电有限公司

中国大地财产保险股份有限公司

保险单号：PZAH20410122040000000001

型　号	SYX-12V9AH
标称电压	11.1V
容量/能量	9Ah/99.9Wh
额定工作电流	1-8A
有效电压	8.5-12.6V
充电电流	1-4A
瞬间放电电流	10-25A

执行标准：GPB31241-2014

世标认证：ISO9001

注 册 号：03520Q01845ROS



上海化工院检测有限公司 检验检测专用章 (06)

VERIFICATION OF CONFORMITY

Certificate No. : CTL2007248011-EC

Applicant	:	Yuanyang County Shengyuanxiang Lithium Battery Co., Ltd.,
Address	:	No.128, Xincun East Road, Dongjie, Chengguan Town, Yuanyang County, Xinxiang City, Henan Province
Product	:	Rechargeable Li-ion Battery Pack
Trademark	:	N/A
Model(s)	:	SYX-12V9AH
Manufacturer	:	Yuanyang County Shengyuanxiang Lithium Battery Co., Ltd.,
Address	:	No.128, Xincun East Road, Dongjie, Chengguan Town, Yuanyang County, Xinxiang City, Henan Province
Test Report	:	CTL2007248011-E

Complies with the requirements of the
EC EMC Directive 2014/30/EU

Test Standards:

EN 61000-6-1:2019

EN 61000-6-3: 2007+A1:2011+AC:2012

Remarks:

Based on the voluntary assessment of the product sample and technical file, we confirm that the above-mentioned product meets the requirements of the EC directive. The CE mark as show below can be used, under the responsibility of the manufacturer or the importer, after completion of an EC declaration of conformity and compliance with all relevant EC directives.

CE

For Chief Executive

Jul. 31, 2020

Shenzhen CTL Testing Technology Co., Ltd.

Add.: Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road, Nanshan District, Shenzhen, China 518055

Tel: 86-755-89486194 E-Mail: ctl@ctl-lab.com web: www.ctl-lab.com

Shenzhen CTL Testing Technology Co., Ltd.
Tel:+86-755-89486194 E-Mail:ctl@ctl-lab.com

FCC SDoC Test Report

FCC PART 15 Subpart B

Report Reference No.....:	**CTL2006096032-F**
Compiled by (position+printed name+signature)..:	File administrators Tao Pan
Name of the organization performing the tests (position+printed name+signature)..:	Technique principal Ivan Xie
Approved by (position+printed name+signature)..:	Manager Tracy Qi
Date of issue.....:	July 23, 2020
Representative Laboratory Name.:	**Shenzhen CTL Testing Technology Co., Ltd.**
Address.....:	Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road, Nanshan District, Shenzhen, China 518055
Web.....:	www.ctl-lab.com
Test Firm.....:	**Shenzhen CTL Testing Technology Co., Ltd.**
Address.....:	Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road, Nanshan District, Shenzhen, China 518055
Applicant's name.....:	**Yuanyang County Shengyuanxiang Lithium Battery Co., Ltd.,**
Address.....:	No.128, Xincun East Road, Dongjie, Chengguan Town, Yuanyang County, Xinxiang City, Henan Province
Test specification:	
Standard.....:	**FCC PART 15 Subpart B**
TRF Originator.....:	Shenzhen CTL Testing Technology Co., Ltd.

Shenzhen CTL Testing Technology Co., Ltd.

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Test item description.....:	**Rechargeable Li-ion Battery Pack**
Trade Mark .....:	N/A
Test voltage.....:	DC 12V
Result.....:	**Pass**

FCC Test Report

Test Report No. :	CTL2006096032-F	July 23, 2020 Date of issue

Equipment under Test	:	Rechargeable Li-ion Battery Pack
Type / Model	:	SYX-12V9AH
Listed Models	:	N/A
Applicant	:	**Yuanyang County Shengyuanxiang Lithium Battery Co., Ltd.,**
Address	:	No.128, Xincun East Road, Dongjie, Chengguan Town, Yuanyang County, Xinxiang City, Henan Province
Manufacturer	:	**Yuanyang County Shengyuanxiang Lithium Battery Co., Ltd.,**
Address	:	No.128, Xincun East Road, Dongjie, Chengguan Town, Yuanyang County, Xinxiang City, Henan Province

Test Result	Pass

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

History of this test report

Report No.	Version	Description	Issued Date
CTL2006096032-F	V1.0	Initial Issued Report	July 23, 2020

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1. TEST STANDARDS

The tests were performed according to following standards:

FCC Rules Part 15 Subpart B - Unintentional Radiators

ANSI C63.4-2014

2. SUMMARY

2.1. General Remarks

Date of receipt of test sample : July 22, 2020

Sampling and Testing commenced on : July 22, 2020

Testing concluded on : July 23, 2020

2.2. Equipment Under Test

Power supply system utilised

Power supply voltage : o 120V / 60 Hz o 115V / 60Hz
■ 12 V DC o 24 V DC
o Other (specified in blank below)

/

2.3. Short description of the Equipment under Test (EUT)

Rechargeable Li-ion Battery Pack

For more details, refer to the user's manual of the EUT.

2.4. EUT operation mode

The EUT has been tested under typical operating condition.

2.5. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- ● - supplied by the manufacturer
- o - supplied by the lab

2.7. Related Submittal(s) / Grant (s)

This test report is intended for Rechargeable Li-ion Battery Pack filing to comply with the FCC Part 15, Subpart B Rules.

2.8. Modifications

No modifications were implemented to meet testing criteria.

2.9. Test Result Summary

Test Item	Test Requirement	Standard Paragrph	Result
Radiated Emission	FCC PART 15 Subpart B	Section 15.109	PASS

3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Shenzhen CTL Testing Technology Co., Ltd.
Floor 1-A, Baisha Technology Park, No. 3011, Shahexi Road, Nanshan, Shenzhen 518055 China

3.2. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

IC Registration No.: 9618B

The 3m alternate test site of Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration No.: 9618B on November 13, 2013.

FCC-Registration No.: 399832

Shenzhen CTL Testing Technology 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 399832, December 08, 2017.

Certificated by A2LA, USA
Registration No.:4343.01
Date of registration: December 27, 2017

3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

3.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the Shenzhen CTL Testing Technology Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CTL laboratory is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission(chamber 1)	30~1000MHz	±3.20dB	(1)
Radiated Emission(chamber 2)	30~1000MHz	±3.53dB	(1)
Radiated Emission	Above 1GHz	±4.32dB	(1)
Conducted Emission	0.15~30MHz	±2.66dB	(1)
Disturbance Power	30~300MHz	±2.90dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3.5. Equipments Used during the Test

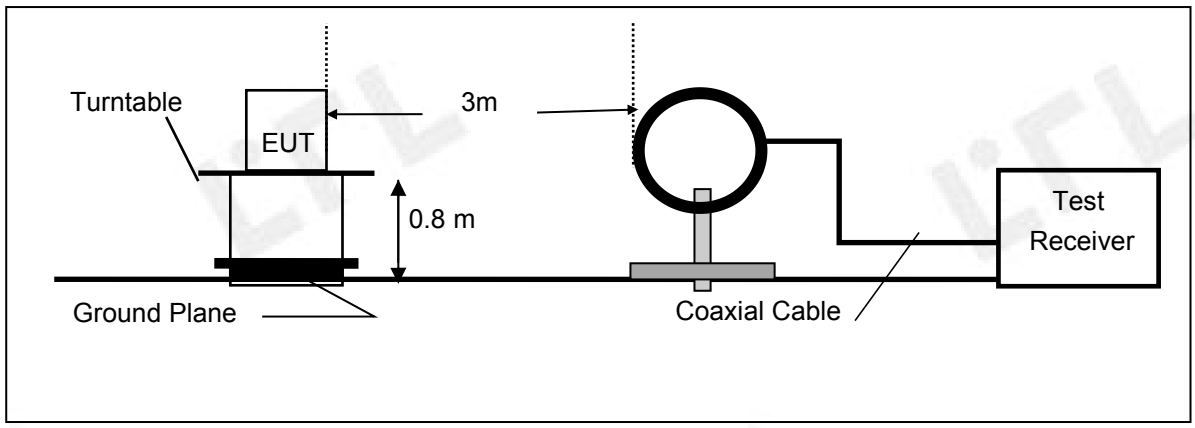
Radiated Emission(chamber 1)						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
1	ULTRA-BROADBAND ANTENNA	Sunol Sciences Corp.	JB1 Antenna	A061713	2020/04/08	2023/04/07
2	EMI Test Receiver	ROHDE & SCHWARZ	ESCI	1166.5950.03	2020/05/18	2021/05/17
3	Horn Antenna	Sunol Sciences Corp	DRH-118	A062013	2020/05/23	2021/05/22
Software:						
Name of Software:				Version:		
ES-K1(Below 1GHz)				V1.71		
e3(Above 1GHz)				6.111221a		

4 TEST CONDITIONS AND RESULTS

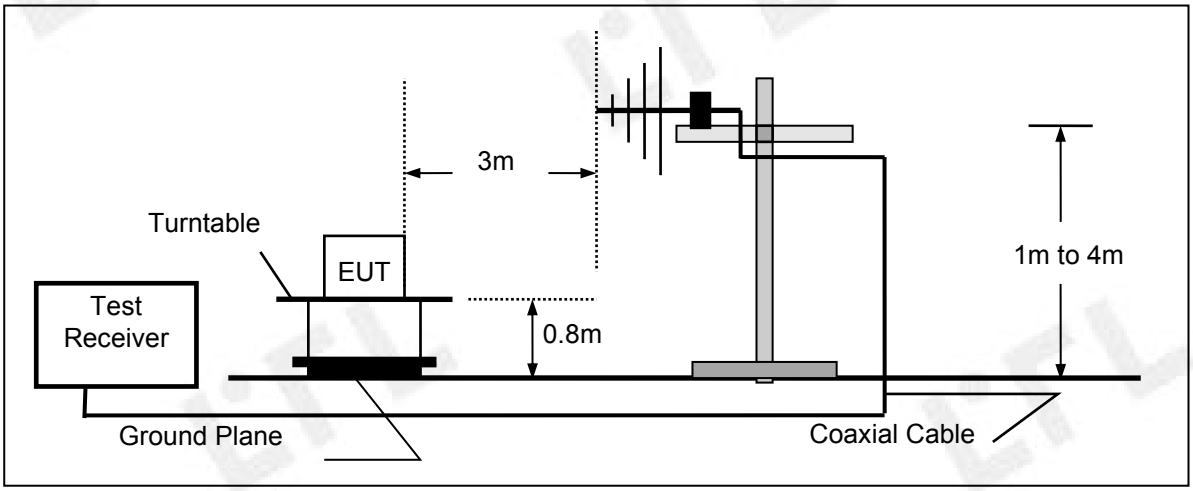
4.1. Radiated Emission Test

TEST CONFIGURATION

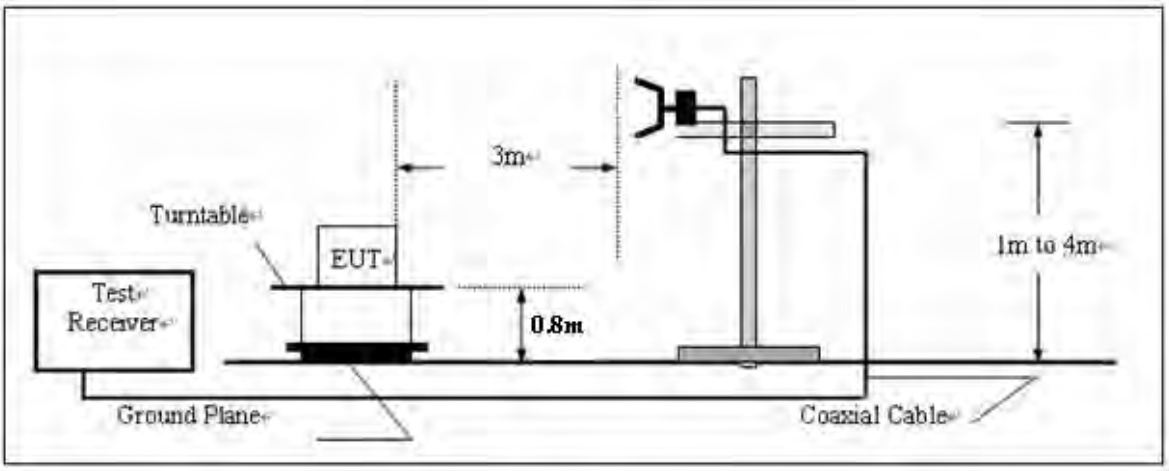
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

RADIATION LIMIT

For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values：

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.

Radiation Test Results

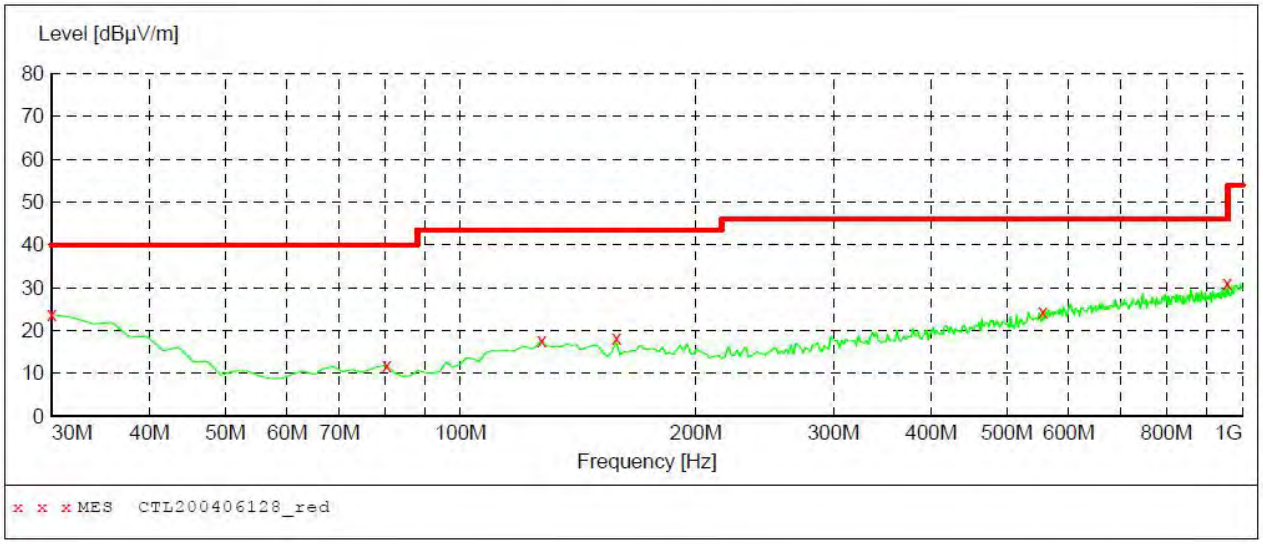
Shenzhen CTL Testing Technology Co.,Ltd

Radiation Emission Test FCC PART 15 B

```
EUT:                  SYX-12V9AH
Manufacturer:         Yuanyang County Shengyuanxiang Lithium Battery Co., Ltd.,
Operating Condition:  Discharging
Test Site:            Chamber1
Operator:             ZGH
Test Specification:   DC 12V
Comment:              /
Start of Test:        2020-7-22 / 9:39:01
```

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	300.0 ms	100 kHz	JB1



MEASUREMENT RESULT: "CTL200722128_red"

2020-7-22 9:39

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
30.000000	23.70	22.2	40.0	16.3	---	0.0	0.00	HORIZONTAL
80.440000	11.90	9.0	40.0	28.1	---	0.0	0.00	HORIZONTAL
127.000000	17.80	15.3	43.5	25.7	---	0.0	0.00	HORIZONTAL
166.900000	17.90	14.7	43.5	25.6	---	0.0	0.00	HORIZONTAL
555.740000	24.50	22.0	46.0	21.5	---	0.0	0.00	HORIZONTAL
957.320000	31.20	27.5	46.0	14.8	---	0.0	0.00	HORIZONTAL

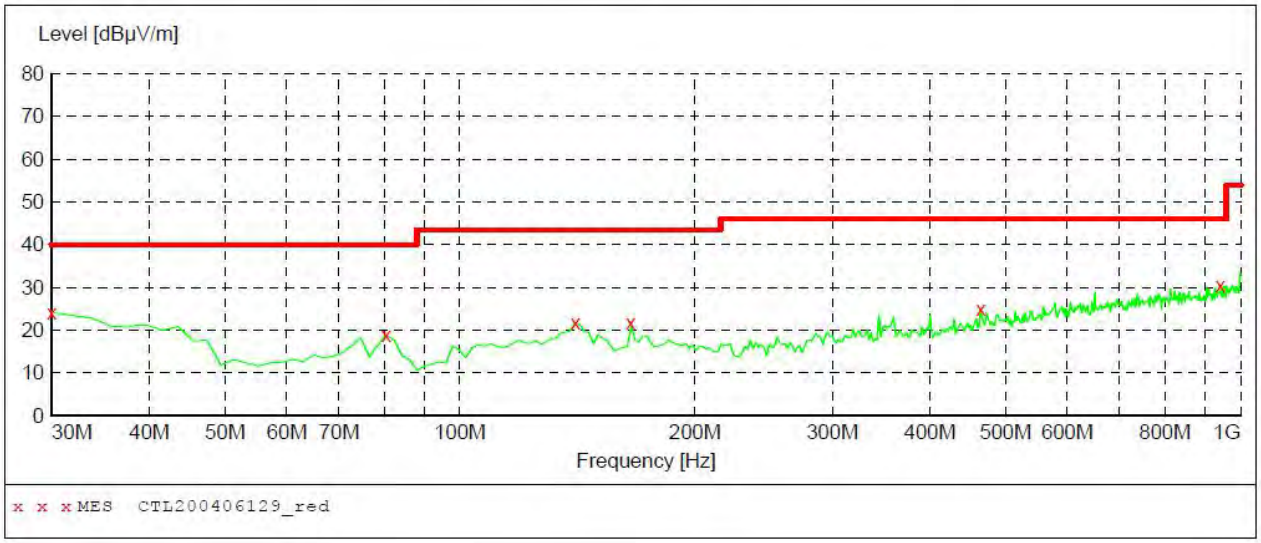
Shenzhen CTL Testing Technology Co.,Ltd

Radiation Emission Test FCC PART 15 B

```
EUT:                    SYX-12V9AH
Manufacturer:           Yuanyang County Shengyuanxiang Lithium Battery Co., Ltd.,
Operating Condition:    Discharging
Test Site:              Chamber1
Operator:               ZGH
Test Specification:     DC 12V
Comment:                /
Start of Test:          2020-7-22 / 9:39:35
```

SWEEP TABLE: "test (30M-1G)"

Short Description:			Field Strength		
Start Frequency	Stop Frequency	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	MaxPeak	300.0 ms	100 kHz	JB1



MEASUREMENT RESULT: "CTL200722129_red"

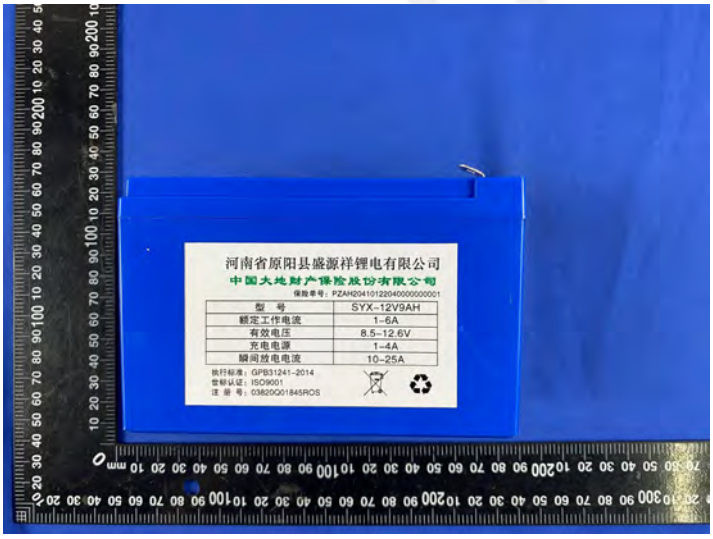
2020-7-22 9:39

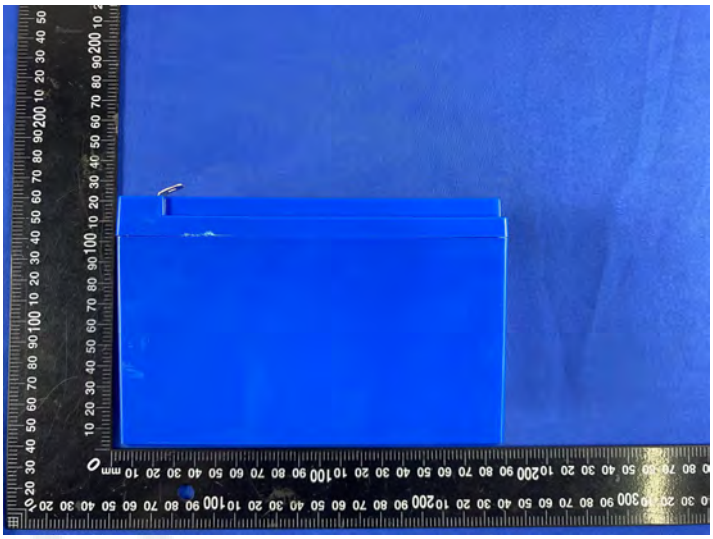
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
30.000000	24.10	22.2	40.0	15.9	---	0.0	0.00	VERTICAL
80.440000	18.80	9.0	40.0	21.2	---	0.0	0.00	VERTICAL
140.580000	21.80	14.8	43.5	21.7	---	0.0	0.00	VERTICAL
169.560000	21.60	14.5	43.5	21.9	---	0.0	0.00	VERTICAL
464.560000	25.10	19.8	46.0	20.9	---	0.0	0.00	VERTICAL
941.800000	30.60	27.1	46.0	15.4	---	0.0	0.00	VERTICAL

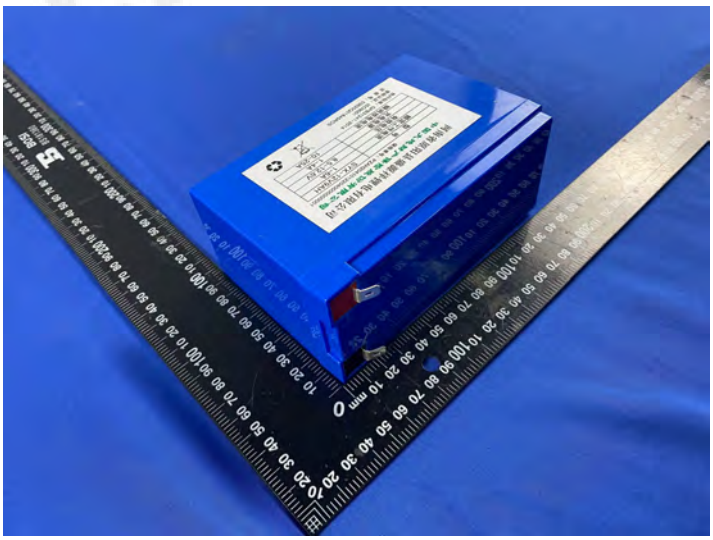
5. Test Setup Photos of the EUT

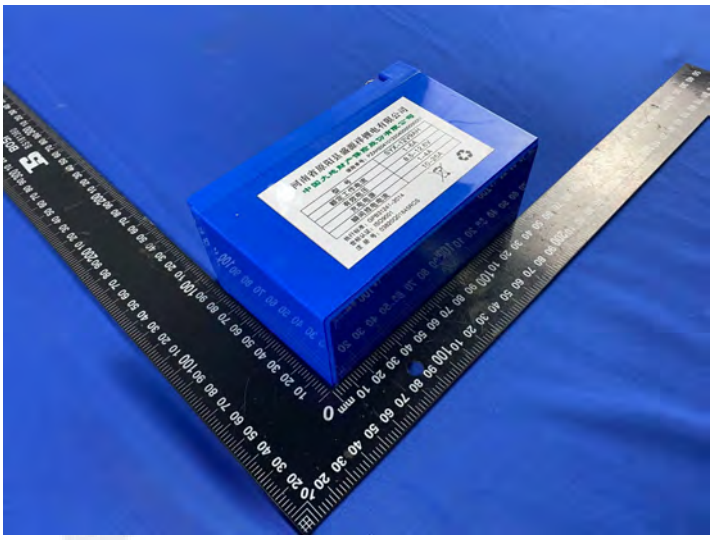


6. Photos of the EUT









.....End of Report.....

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Frequently Asked Questions (FAQ)

There are no Faqs