



TEST REPORT

Reference No..... : WTX25X02032595E
Applicant..... : GlobTek, Inc.
Address..... : 186 Veterans Dr. Northvale, NJ 07647 USA
Manufacturer..... : GlobTek, Inc.
Address..... : 186 Veterans Dr. Northvale, NJ 07647 USA
Product Name..... : Li-ion Battery Pack
Model No..... : BL2600C186502S1P****
Standards..... : EN 60601-1-2:2015+A1:2021
Date of Receipt sample..... : 2025-02-27
Date of Test..... : 2025-02-27 to 2025-03-03
Date of Issue..... : 2025-03-04
Test Report Form No. : WTX_EN 60601_1_2_2015_B
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 approve.

Prepared By:

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Report version

Version No.	Date of issue	Description
Rev.00	2025-03-04	Original
/	/	/

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Factory name1: GlobTek, Inc.
Factory address1: 186 Veterans Dr. Northvale, NJ 07647 USA

Factory name2: GlobTek (Suzhou) Co., Ltd
Factory address2: Building 4, No. 76, Jin Ling East Rd., Suzhou Industrial Park, Suzhou, JiangSu 215021, China

General Description of EUT	
Product Name:	Li-ion Battery Pack
Trade Name:	
Model No.:	BL2600C186502S1P****
Adding Model(s):	/
<i>Note: The test data is gathered from production sample, provided by the manufacturer. BL2600C186502S1P**** (* can be 0-9 or A-Z or any special character or blank. represent customization of the wire length or connector type or designation and wiring of the connector, or firmware variations)</i>	

Technical Characteristics of EUT	
Power Supply:	DC 7.3V
Power Adaptor:	/
Cable:	/
Rated Power:	/
Rated Current:	/
Highest Internal Frequency:	Below 108MHz
Classification of Equipment:	Class B



1.2 Test Standards

The tests were performed according to following standards:

EN 60601-1-2:2015+A1:2021: Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral Standard: Electromagnetic disturbances – Requirements and tests
Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

1.3 Test Location

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

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1.4 EUT Setup and Operation Mode

The equipment under test (EUT) was configured to measure its highest possible emission/immunity level. The test modes were adapted according to the operation manual for use, more detailed description as follows:

No	Title	Description
TM1	Working Mode	DC 7.3V

1.5 Measurement Uncertainty

Test Item	Measurement Uncertainty
Radiated Emissions (30M - 1000MHz)	30-200MHz: $\pm 4.52\text{dB}$ 200-1000MHz: $\pm 5.56\text{dB}$

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1.6 Test Equipment List and Details

Electromagnetic radiation disturbance (30MHz-1GHz)					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2025-02-23	2026-02-22
Amplifier	Agilent	8447D	2944A10457	2025-02-23	2026-02-22
Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2024-03-17	2027-03-16
EMI Test Software (Radiated Emission B)	Farad	EZ-EMC	RA-03A1 (1.1.4.2)	/	/

Electrostatic discharge					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
ESD Generator	LIONCEL	ESD-203B	0170901	2025-02-23	2026-02-22

Radiated RF EM fields					
Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Power Meter	Agilent	E4419B	GB42420578	2025-02-23	2026-02-22
Antenna	SCHWARZBECK	STLP 9129	9129 114	/	/
RF Power Amplifier	MicoTop	MPA-1000-6000-100	MPA1906238	2025-02-23	2026-02-22
RF Power Amplifier	MicoTop	MPA-80-1000-250	MPA1906239	2025-02-23	2026-02-22
Power Sensor	Agilent	E9304A	MY55081055	2025-02-23	2026-02-22
Power Sensor	Agilent	E9301A	MY52450001	2025-02-23	2026-02-22
Signal Generator	HP	8665B	3438A00604	2025-02-23	2026-02-22
Test Software (Radio frequency electromagnetic Field)	EMtrace	EM3	V1.2.6.2	/	/



2. SUMMARY OF TEST RESULTS

Item	Standard	Method	Result
Electromagnetic radiation disturbance (30MHz-1GHz)	EN 60601-1-2:2015+A1:2021	CISPR 11:2015+A1:2016+A2:2019	Compliant
Electrostatic discharge	EN 60601-1-2:2015+A1:2021	EN 61000-4-2, clauses 6, 7 and 8	Compliant
Radiated RF EM fields	EN 60601-1-2:2015+A1:2021	EN 61000-4-3, clauses 6, 7 and 8	Compliant

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3. Emission Test Results (EMI)

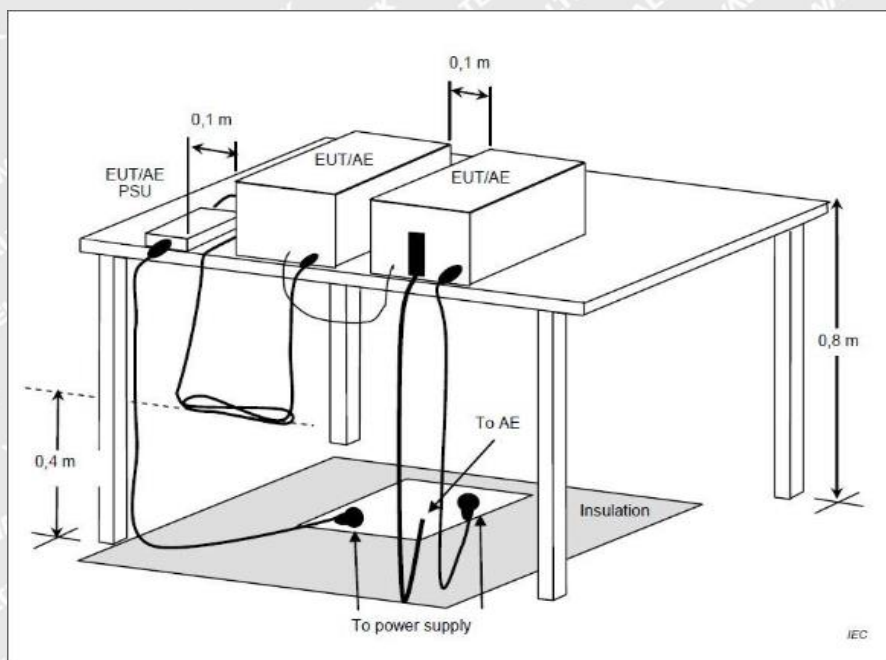
3.1 Electromagnetic radiation disturbance (30MHz-1GHz)

Test Requirement:	Class B Group 1		
Test Limit:	OATS or SAC		FAR
	10 m measuring distance	3 m measuring distance ^a	3 m measuring distance ^{a,b}
	Frequency range MHz	Quasi-peak dB(μV/m)	Quasi-peak dB(μV/m)
	30 – 230	30	42 Decreasing linearly with logarithm of frequency to 35
	230 – 1 000	37	42
Test Method:	CISPR 11:2015+A1:2016+A2:2019		
Procedure:	An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.		

3.1.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	54 %
Atmospheric Pressure:	99.8 kPa
Test mode:	TM1

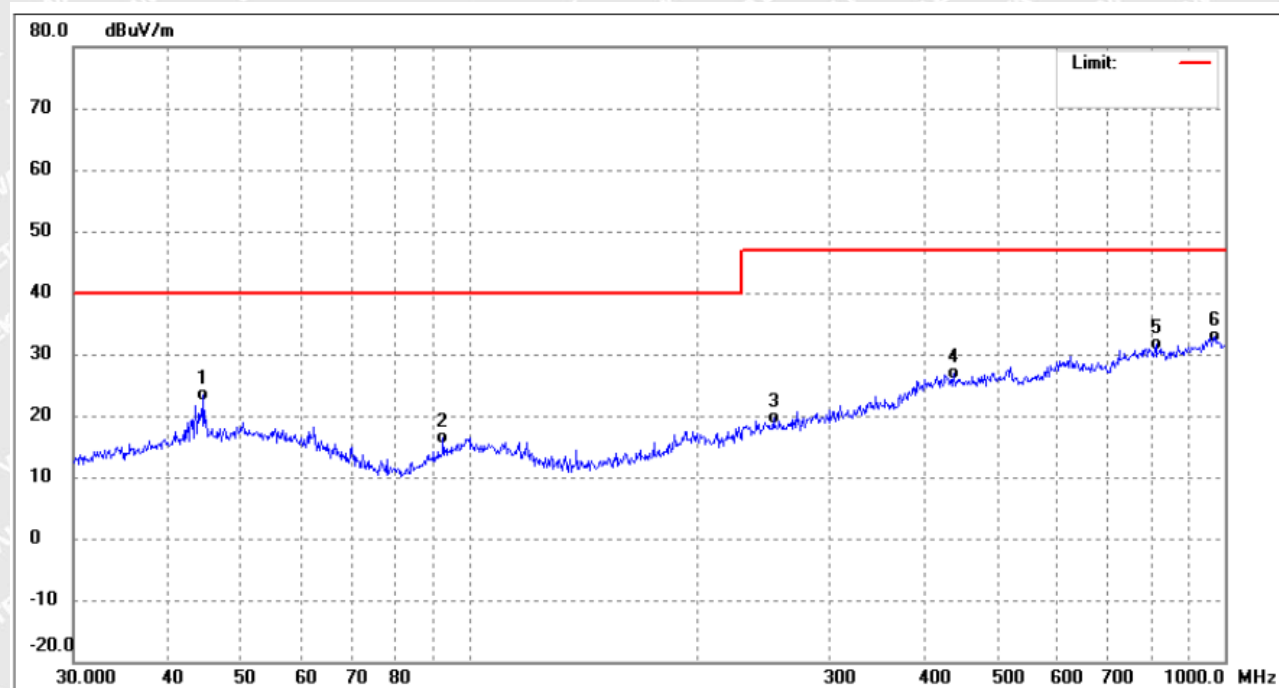
3.1.2 Basic Test Setup Block Diagram





3.1.3 Summary of Test Results

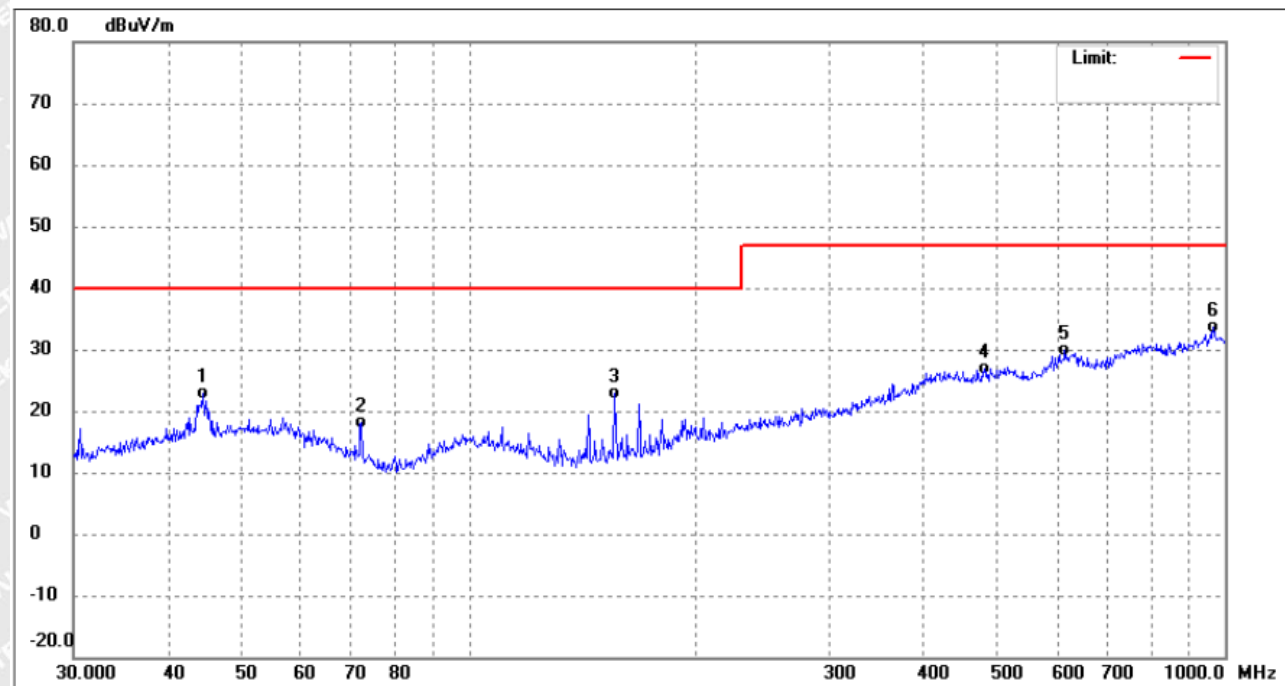
TM1 / Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.5868	33.64	-10.31	23.33	40.00	-16.67	QP
2	92.4624	29.51	-13.17	16.34	40.00	-23.66	QP
3	252.9482	28.03	-8.46	19.57	47.00	-27.43	QP
4	437.1199	29.00	-2.02	26.98	47.00	-20.02	QP
5	810.2654	29.23	2.38	31.61	47.00	-15.39	QP
6	968.9338	28.02	4.84	32.86	47.00	-14.14	QP



TM1 / Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.5868	33.21	-10.31	22.90	40.00	-17.10	QP
2	72.0843	33.01	-14.86	18.15	40.00	-21.85	QP
3	155.9101	37.03	-14.08	22.95	40.00	-17.05	QP
4	480.5276	29.13	-2.18	26.95	47.00	-20.05	QP
5	614.2142	29.16	0.65	29.81	47.00	-17.19	QP
6	965.5421	28.75	4.80	33.55	47.00	-13.45	QP



4. Immunity Test Results (EMS)

Performance Criteria Description in EN 60601-1-2

Immunity pass criteria

Performance during and after the applied testing stimulus required to pass the test:

- for a mammography system, the compression full release and associated command remains fully operational;
- for ULTRASOUND DIAGNOSTIC EQUIPMENT, the probe heating, dissipative power and temperature shall remain within specifications;
- safety-related functions perform as intended;
- false operation of alarms, “fail safe” modes and similar functions do not occur.

Acceptable degradation:

- an imaging system displays an image that could be altered, but in a way that would not affect the diagnosis or treatment;
- a heart rate monitor displays a heart rate that could be in error, but by an amount that is not clinically significant;
- a PATIENT monitor exhibits a small amount of noise or a transient on a waveform and the noise or transient would not affect diagnosis, treatment or monitoring.

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Test Requirement:	EN 60601-1-2, clause 8 Table 4 and Table 7
Test Method:	EN 61000-4-2, clauses 6, 7 and 8
Procedure:	Discharge Impedance: 330Ω/150pF Number of Discharge: Minimum 10 times at each test point Discharge Mode: Single Discharge Discharge Period: 1 second minimum
Performance Criteria:	Immunity pass criteria

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	53 %
Atmospheric Pressure:	99.8 kPa
Test mode:	TM1

The diagram illustrates a typical EMC test setup for a computer system. A computer monitor and system unit are placed on a non-conducting table. A Vertical Coupling Plane (VCP), measuring 0.5 m x 0.5 m, is positioned between the computer and the table. The VCP is supported by insulating supports and is connected to a power supply. A Horizontal Coupling Plane (HCP), measuring 1.6 m x 0.8 m, is also shown, supported by insulating supports and connected to a power supply. The setup includes a ground reference plane (GRP) and a protective conductor. Distances of 0.1 m are indicated between the computer and the VCP, and between the VCP and the HCP. The table is labeled as 'Non-conducting table'. The diagram is labeled 'Figure 1' and 'IEC 2209/01'.



4.1.3 Summary of Test Results

Discharge type	Volt (kV)	Polarity	Test Point	Result/ Observations
Air discharge	2,4,8,15	+	1	A
Air discharge	2,4,8,15	-	1	A
Contact discharge	8	+	2	A
Contact discharge	8	-	2	A
Horizontal Coupling	8	+	3	A
Horizontal Coupling	8	-	3	A
Vertical Coupling	8	+	3	A
Vertical Coupling	8	-	3	A

A: No degradation in the performance of the EUT was observed.

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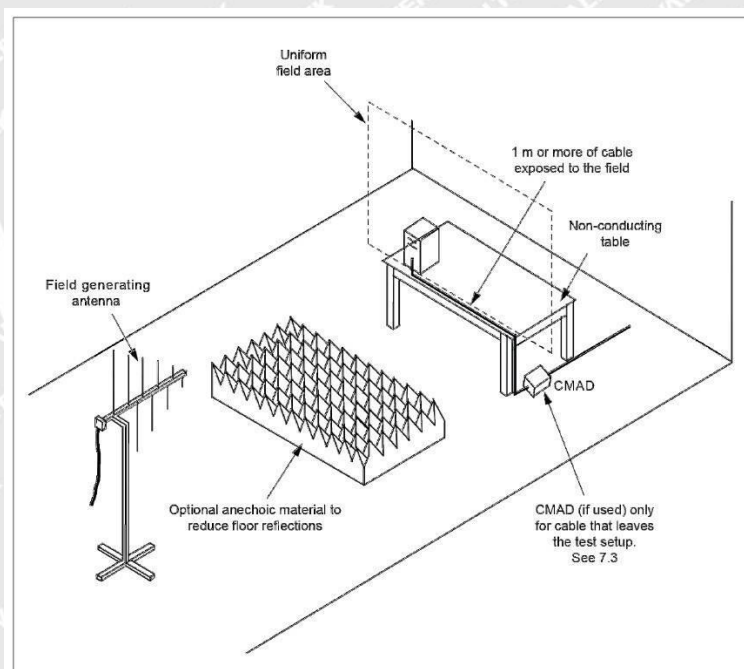
4.2 Radiated RF EM fields

Test Requirement:	EN 60601-1-2, clause 8 Table 4
Test Method:	EN 61000-4-3, clauses 6, 7 and 8
Procedure:	Frequency Range: 80MHz to 2.7GHz Antenna Polarisation: Vertical and Horizontal Modulation: 1kHz, 80% Amp. Mod, 1% increment
Performance Criteria:	Immunity pass criteria

4.2.1 E.U.T. Operation

Environmental Conditions	
Temperature:	23.5 °C
Relative Humidity:	53 %
Atmospheric Pressure:	99.8 kPa
Test mode:	TM1

4.2.2 Basic Test Setup Block Diagram





4.2.3 Summary of Test Results

Frequency	Field Strength (V/m)	EUT face	Dwell time	Result/ Observations
80MHz-2.7GHz	3	Front	1s	A
80MHz-2.7GHz	3	Back	1s	A
80MHz-2.7GHz	3	Left	1s	A
80MHz-2.7GHz	3	Right	1s	A
80MHz-2.7GHz	3	Top	1s	A
80MHz-2.7GHz	3	Bottom	1s	A

A: No degradation in the performance of the EUT was observed.

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5. EXHIBIT 1 - PRODUCT LABELING

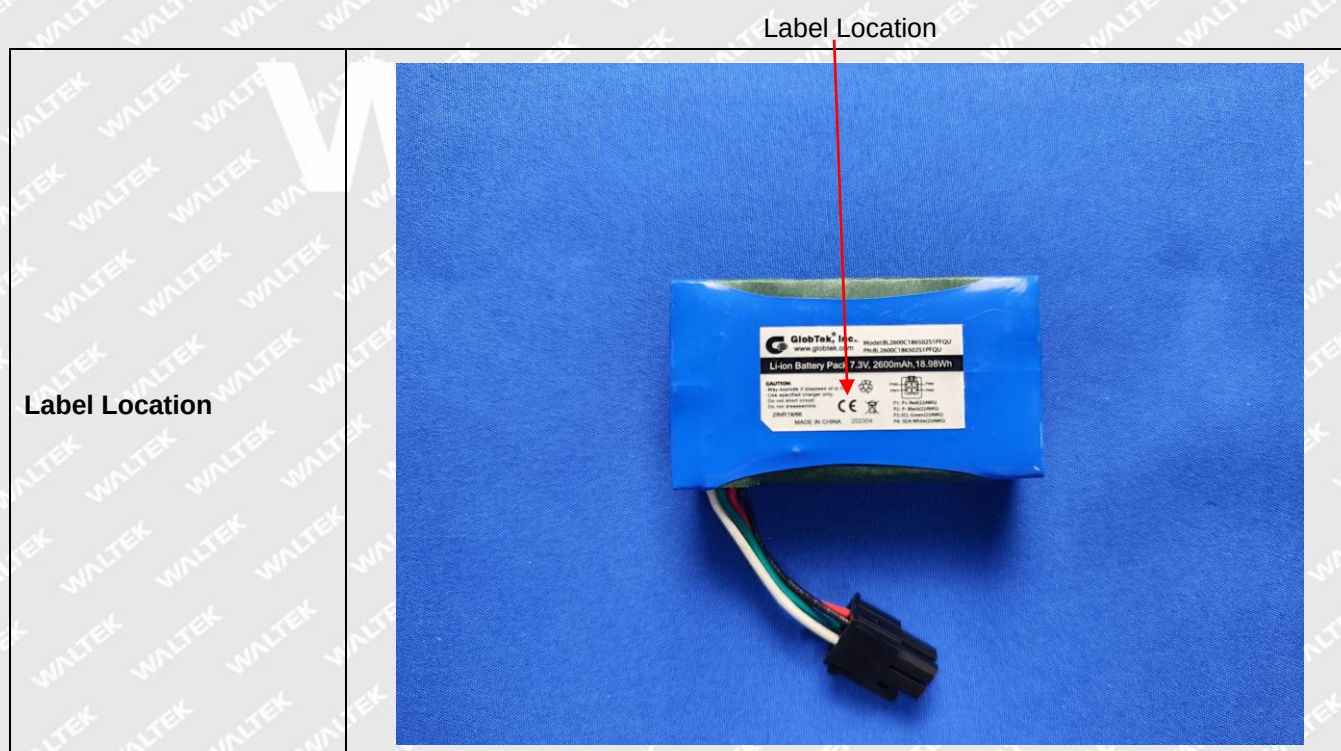
5.1 Proposed Label Format

Li-ion Battery Pack
Model: BL2600C186502S1P****
Brand: /
Importer Name: XXX
Importer Address: XXX
GlobTek, Inc.
186 Veterans Dr. Northvale, NJ 07647 USA



Specifications: Text is Black in color and is justified. Labels are printed in indelible ink on permanent adhesive backing or silk-screened onto the EUT or shall be affixed at a conspicuous location on the EUT. The 'CE' marking must be affixed to the EUT or to its data plate. Where this is not possible or not warranted on account of the nature of the apparatus, it must be affixed to the packaging, if any, and to the accompanying documents. The 'CE' marking must have a height of at least 5 mm. If the 'CE' marking is reduced or enlarged the proportions given in the above graduated drawing must be respected. The Importer name, address and Manufacturer name and address should indicate on marking label or packaging or in a document accompanying.

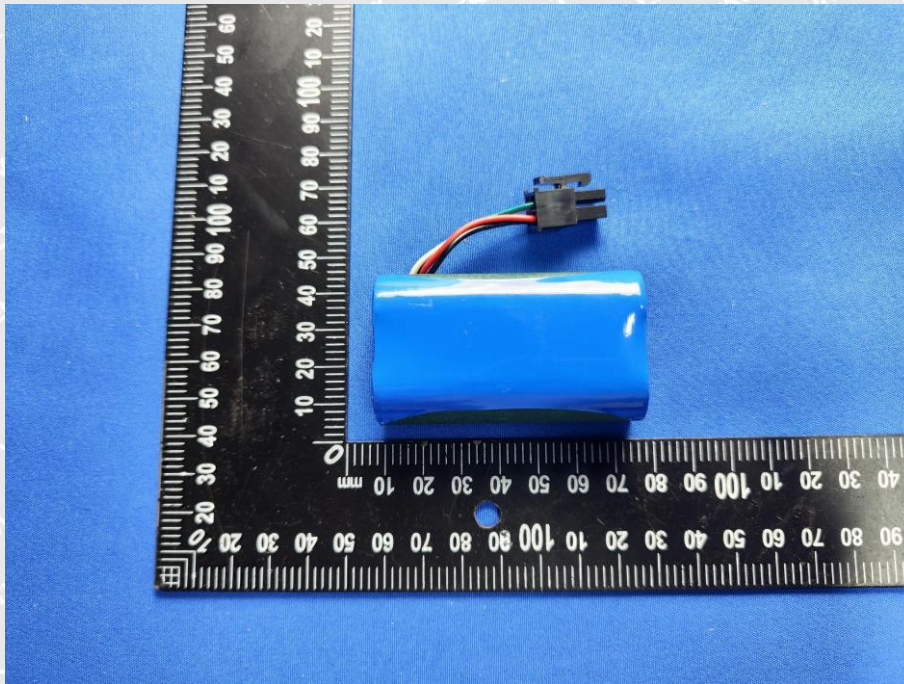
5.2 Proposed Label Location of EUT

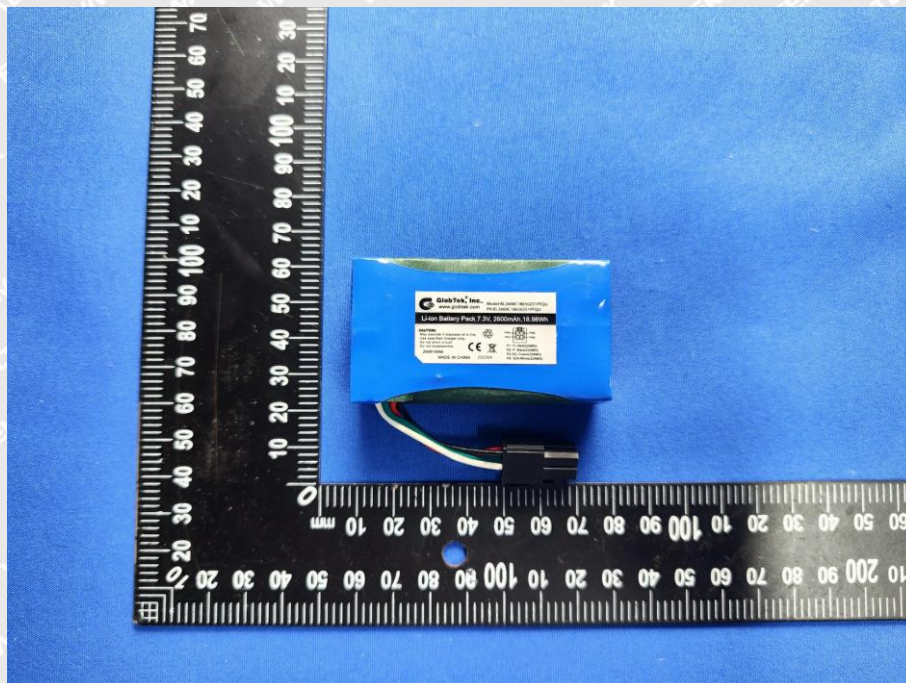


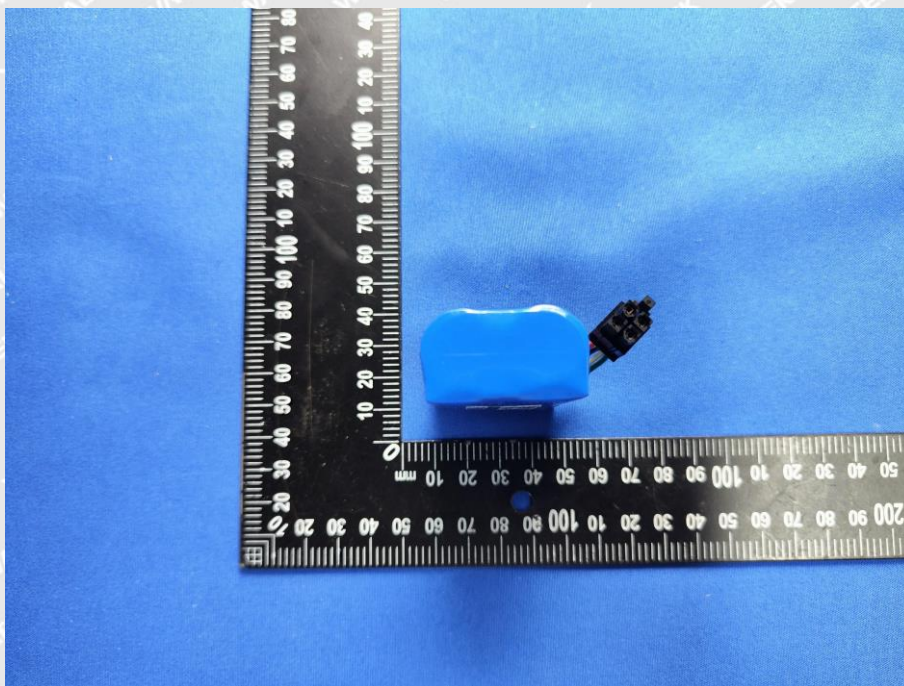


6. EXHIBIT 2 - EUT PHOTOGRAPHS

External



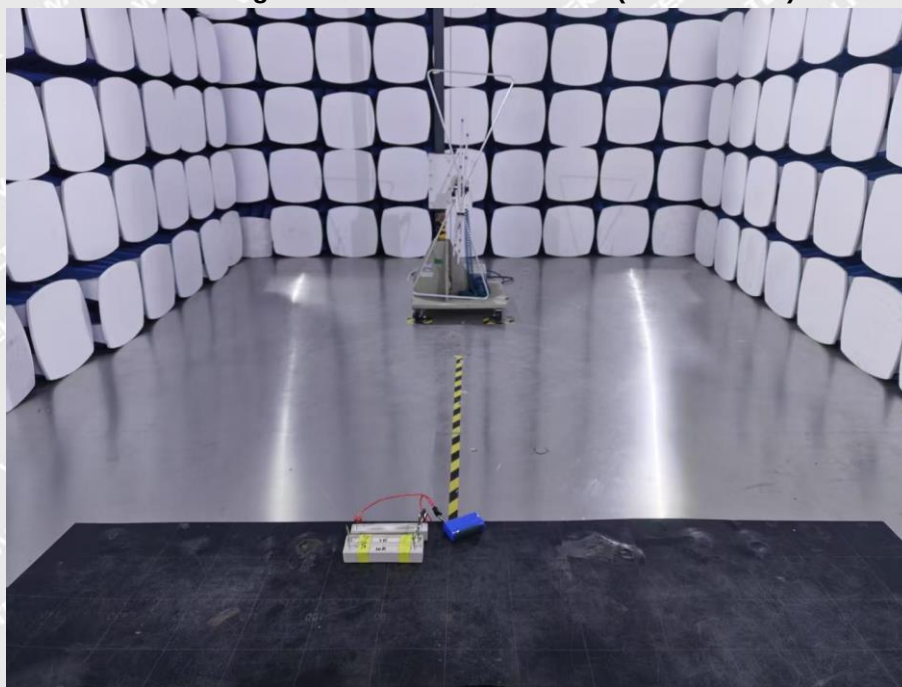




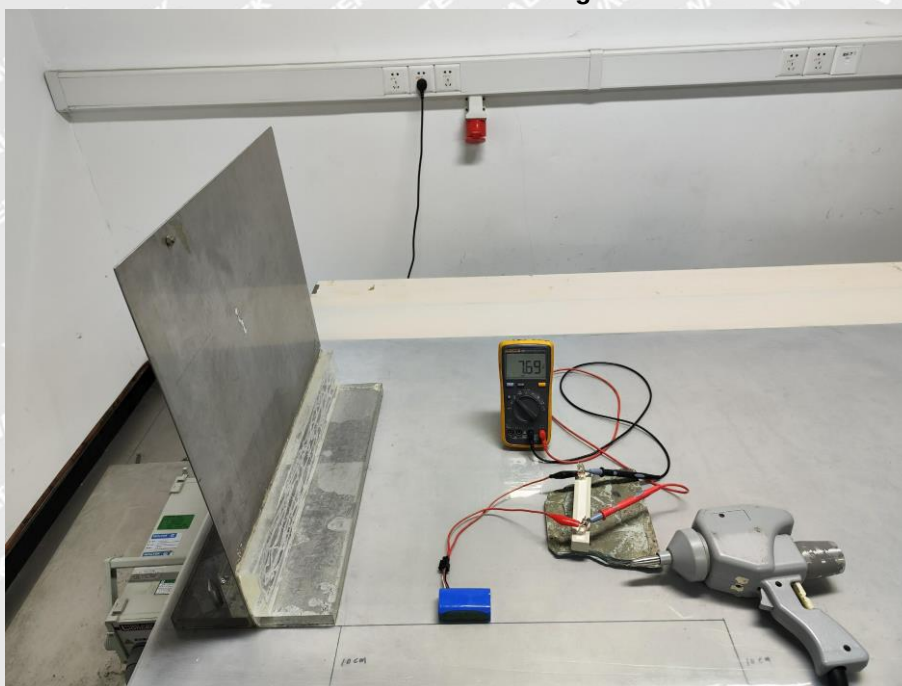


7. EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

Electromagnetic radiation disturbance (30MHz-1GHz)

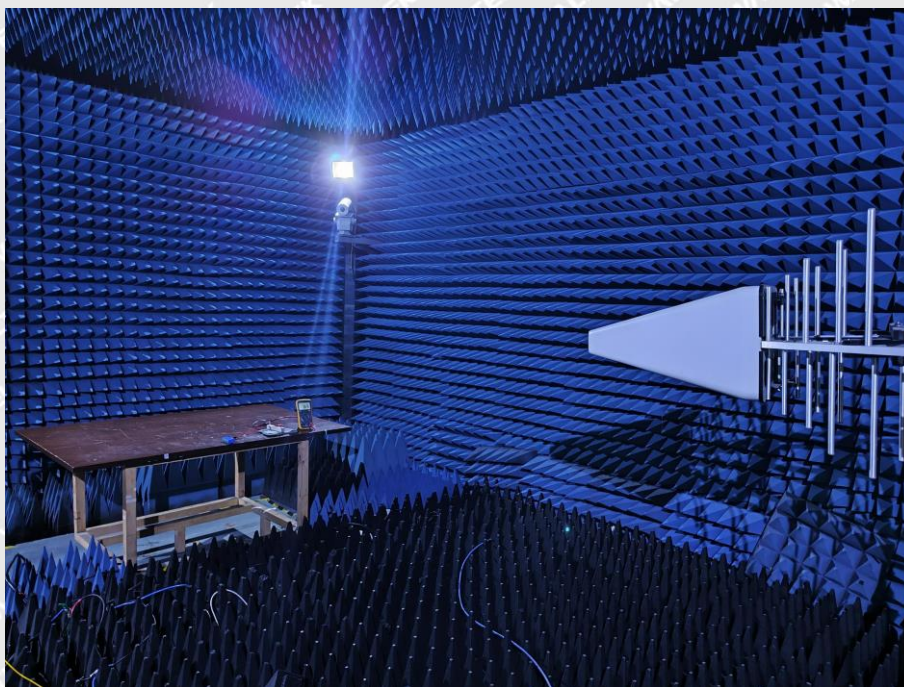


Electrostatic discharge





Radiated RF EM fields



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