Compliance Laboratory

Test Report

Applicant:	Dongguan Liwinon Energy Technology Co., Ltd.
Product Name:	Rechargeable Li-ion Polymer Battery
Brand Name:	MI
Model No.:	BW56
Date of Receipt :	Nov.24,2022
Date of Test:	Nov.25,2022
Date of Report:	Nov.28,2022
Prepared by:	Shenzhen Most Technology Service Co., Ltd.

The EMC testing has been performed on the submitted samples and found in compliance with the council EMC Regulations 2016.

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APPENDIX I (4 pages)
APPENDIX II (Photos of the EUT) (2 Pages)

TEST REPORT DECLARATION

Report Number	MTEB22111726	
Applicant	Dongguan Liwinon Energy Technology Co., Ltd.	
	No.1 & No.3 Workshop, Industrial Zone, Tangxia Village, Gaobu Town, Dongguan City, Guangdong Province, P.R. China	
Manufacturer	Dongguan Liwinon Energy Technology Co., Ltd.	
	No.1 & No.3 Workshop, Industrial Zone, Tangxia Village, Gaobu Town, Dongguan City, Guangdong Province, P.R. China	
Product	Product Name	Rechargeable Li-ion Polymer Battery
	Model No.	BW56
	Power Supply	Limited Charge Voltage: 4.45VDC Nominal Voltage: 3.87VDC, 495mAh/1.915Wh(Rated)
Test Result	The EUT was found compliant with the requirement(s) of the standards.	
Standard	BS EN 55032:2015+A11:2020,BS EN 55032:2015+A1:2020, BS EN 55035:2017+A11:2020, BS EN IEC 61000-6-3:2021, BS EN IEC 61000-6-1:2019	

*Note

The above device has been tested by Shenzhen Most Technology Service Co., Ltd. To determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test record, data evaluation & Equipment Under Test (EUT) configurations represented are contained in this test report and Shenzhen Most Technology Service Co., Ltd. Is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced except in full, without written approval of Shenzhen Most Technology Service Co., Ltd., this document may be altered or revised by Shenzhen Most Technology Service Co., Ltd., personal only, and shall be noted in the revision of the document.

Prepared by	Alisa Luo
	Alisa Luo(Engineer)
Reviewed by	Sunny Deng
	Sunny Deng (Engineer)
Approved by	Yvette
	Yvette Zhou(Manager)

SHENZHEN MOST TECHNOLOGY SERVICE CO., LTD. APPROVED

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	Rechargeable Li-ion Polymer Battery
Model Number	:	BW56
Remark	:	N/A

1.2. Operational Mode(s) of EUT

Order Number	:	Test Mode(s)
1	:	Charging
2	:	Discharging

1.3. Test Voltage(s) of EUT

Order Number	:	Test Voltage(s)
1	:	DC 4.45V by DC Source
2	:	DC 3.87V by Battery

2. DESCRIPTION OF TEST STANDARD

The intention of this publication is to establish uniform requirements for the radio disturbance level of the equipment contained in the scope, to fix limits of disturbance, to describe methods of measurement and to standardize operating conditions and interpretation of results.

The following referenced standard are indispensable for the application of this report.

Referenced Description below:

BS EN 55032:2015+A11:2020,BS EN 55032:2015+A1:2020
Information Technology Equipment-Radio disturbance characteristics-Limits and methods of measurement.

BS EN IEC 61000-6-3:2021
Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments

BS EN 55035:2017+A11:2020 ,
Information technology equipment - Immunity characteristics - Limits and methods of measurement.

BS EN IEC 61000-6-1:2019
Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity standard for residential, commercial and light-industrial environments

3. LABORATORY INFORMATION

3.1. Laboratory Name

Shenzhen Most Technology Service Co., Ltd.

3.2. Location

No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China

3.3. Test facility

3m Anechoic Chamber	:	Nov. 28, 2012 File on Federal Communication Commission Registration Number:490827
Shielding Room	:	Nov. 28, 2012 File on Federal Communication Commission Registration Number:490827
EMC Lab.	:	Accredited by TUV Rheinland Shenzhen Audit Report: UA 50149851 Mar. 12, 2009 Accredited by Industry Canada Registration Number: 7103A-1 Oct. 22, 2012 Accredited by TIMCO Registration Number: Q1460 March 28, 2010

3.4. Measurement Uncertainty

No.	Item	Uncertainty
1.	Uncertainty for Conducted Disturbance Test	1.25dB
2.	Uncertainty for Radiated Disturbance Test	3.15dB

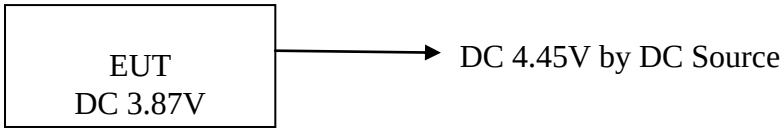
4. SUMMARY OF TEST RESULTS

EMISSION			
Test Item	**Standard**	**Limits**	**Results**
Conducted disturbance at mains terminals	BS EN 55032:2015+A11:2020, BS EN 55032:2015+A1:2020 BS EN IEC 61000-6-3:2021	Class B	N/A
Radiated disturbance	BS EN 55032:2015+A11:2020, BS EN 55032:2015+A1:2020 BS EN IEC 61000-6-3:2021	Class B	PASS
Harmonic current emissions	BS EN IEC 61000-3-2:2019+A1:2021	---	N/A
Voltage fluctuations & flicker	BS EN 61000-3-3:2013+A1:2019 +A2:2021	---	N/A
IMMUNITY (BS EN 55035:2017+A11:2020, BS EN IEC 61000-6-1:2019)			
Test Item	**Basic Standard**	**Performance Criteria**	**Results**
Electrostatic discharge (ESD)	BS EN 61000-4-2:2009	B	PASS
Radio-frequency, Continuous radiated disturbance	BS EN IEC 61000-4-3:2020	A	PASS
Electrical fast transient (EFT)	BS EN 61000-4-4:2012	B	N/A
Surge (Input a.c. power ports)	BS EN 61000-4-5:2014+A1:2017	B	N/A
Surge (Telecommunication ports)		B	N/A
Radio-frequency, Continuous conducted disturbance	BS EN 61000-4-6:2014	A	N/A
Power frequency magnetic field	BS EN 61000-4-8:2010	A	PASS
Voltage dips, >95% reduction	BS EN IEC 61000-4-11:2020	B	N/A
Voltage dips, 30% reduction		C	N/A
Voltage interruptions		C	N/A
N/A is an abbreviation for Not Applicable.			

5. BLOCK DIAGRAM OF TEST SETUP

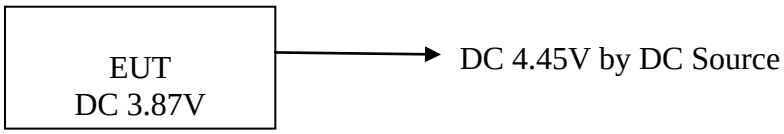
The equipments are installed test to meet BS EN 55032, BS EN 61000-6-3 requirement and operating in a manner which tends to maximize its emission characteristics in a normal application. EUT was tested in normal configuration (Please See following Block diagrams)

5.1. Block Diagram of connection between EUT and simulation-EMI



(EUT: Rechargeable Li-ion Polymer Battery)

5.2. Block Diagram of connection between EUT and simulation-EMS



(EUT: Rechargeable Li-ion Polymer Battery)

6. TEST INSTRUMENT USED

6.1. For Conducted Disturbance at Mains Terminals Emission Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESCI	100492	Mar. 04, 22	1 Year
2.	L.I.S.N.	Rohde & Schwarz	ENV216	100093	Mar. 04, 22	1 Year
3.	Coaxial Switch	Anritsu Corp	MP59B	6200283933	Mar. 04, 22	1 Year
4.	Terminator	Hubersuhner	50Ω	No.1	Mar. 04, 22	1 Year
5.	RF Cable	SchwarzBeck	N/A	No.1	Mar. 04, 22	1 Year

6.2. For Radiation Test (In Anechoic Chamber)

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESPI	101202	Mar. 04, 22	1 Year
2.	Bilog Antenna	Sunol	JB3	A121206	Mar. 04, 22	1 Year
3.	Cable	Resenberger	N/A	NO.1	Mar. 04, 22	1 Year
4.	Cable	SchwarzBeck	N/A	NO.2	Mar. 04, 22	1 Year
5.	Cable	SchwarzBeck	N/A	NO.3	Mar. 04, 22	1 Year
6.	DC Power Filter	DuoJi	DL2×30B	N/A	N/A	N/A
7.	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	N/A	N/A
8.	3 Phase Power Line Filter	DuoJi	FNF 402B30	N/A	N/A	N/A

6.3. For Harmonic / Flicker Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	AC Power Source	Kikusui	AC40MA	LM003232	Mar. 04, 22	1 Year
2.	Test Analyzer	Kikusui	KHA1000	LM003720	Mar. 04, 22	1 Year
3.	Line Impendence Network	Kikusui	LIN40MA-PCR-L	LM002352	Mar. 04, 22	1 Year

6.4. For Electrostatic Discharge Immunity Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	ESD Tester	Zhongsheng	ESD-203AX	023K14538	Mar. 04, 22	1 Year

6.5. For RF Strength Susceptibility Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Signal Generator	IFR	2032	203002/100	Mar. 04, 22	1 Year

2.	Amplifier	A&R	150W1000	301584	NCR	NCR
3.	Dual Directional Coupler	A&R	DC6080	301508	Mar. 04, 22	1 Year
4.	Power Sensor	Anritsu	MA2491A	32263	Mar. 04, 22	1 Year
5.	Power Meter	R&S	NRVS	100444	Mar. 04, 22	1 Year
6.	Field Monitor	A&R	FM5004	300329	Mar. 04, 22	1 Year
7.	Field Probe	A&R	FP5000	300221	Mar. 04, 22	1 Year
8.	Log-periodic Antenna	A&R	AT1080	16512	Mar. 04, 22	1 Year
9.	RF Cable	MIYAZAKI	N/A	No.1/No.2	Mar. 04, 22	1 Year

6.6. For Electrical Fast Transient/Burst Immunity Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMCPRO System	EM Test	UCS-500-M4	V0648102026	Mar. 04, 22	1 Year

6.7. For Surge Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMCPRO System	EM Test	UCS-500-M4	V0648102026	Mar. 04, 22	1 Year

6.8. For Injected Currents Susceptibility Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Signal Generator	IFR	2032	203002/100	Mar. 04, 22	1 Year
2.	Amplifier	A&R	150W1000	301584	NCR	NCR
3.	CDN	FCC	FCC-801-M2-25	47	Mar. 04, 22	1 Year
4.	CDN	FCC	FCC-801-M3-25	107	Mar. 04, 22	1 Year
5.	EM Injection Clamp	FCC	F-203I-23mm	403	Mar. 04, 22	1 Year
6.	RF Cable	MIYAZAKI	N/A	No.1/No.2	Mar. 04, 22	1 Year

6.9. For Magnetic Field Immunity Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMCPRO System	EM Test	UCS-500-M4	V0648102026	Mar. 04, 22	1 Year

6.10. For Voltage Dips and Interruptions Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMCPRO System	EM Test	UCS-500-M4	V0648102026	Mar. 04, 22	1 Year

7. RADIATED DISTURBANCE TEST

7.1. Configuration of Test System

Radiated Emission Test Set-Up Frequency Below 1 GHz

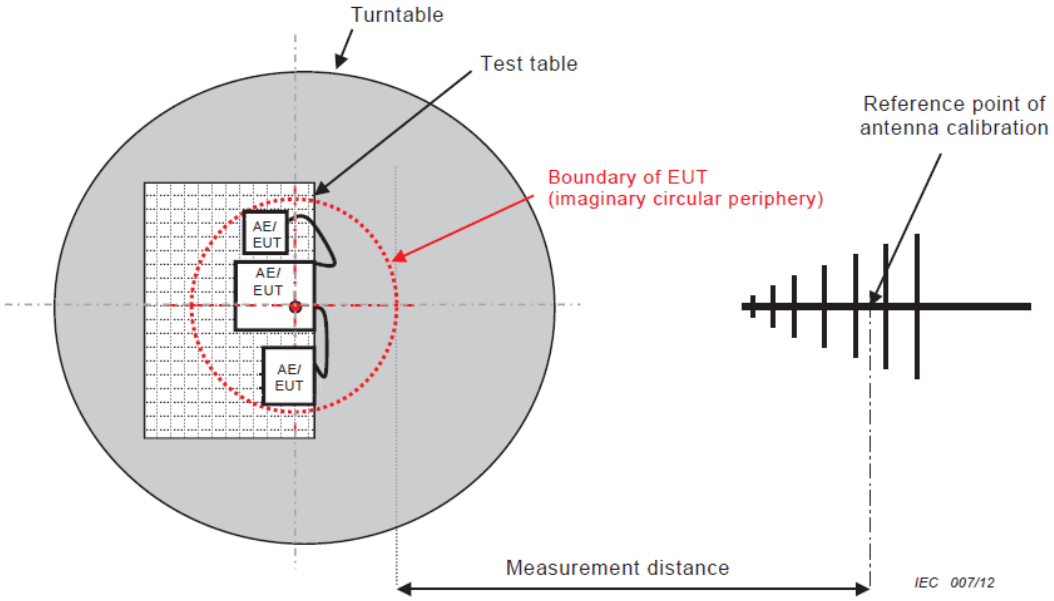


Figure C.1 – Measurement distance

Radiated Emission Test Set-Up Frequency Above 1GHz

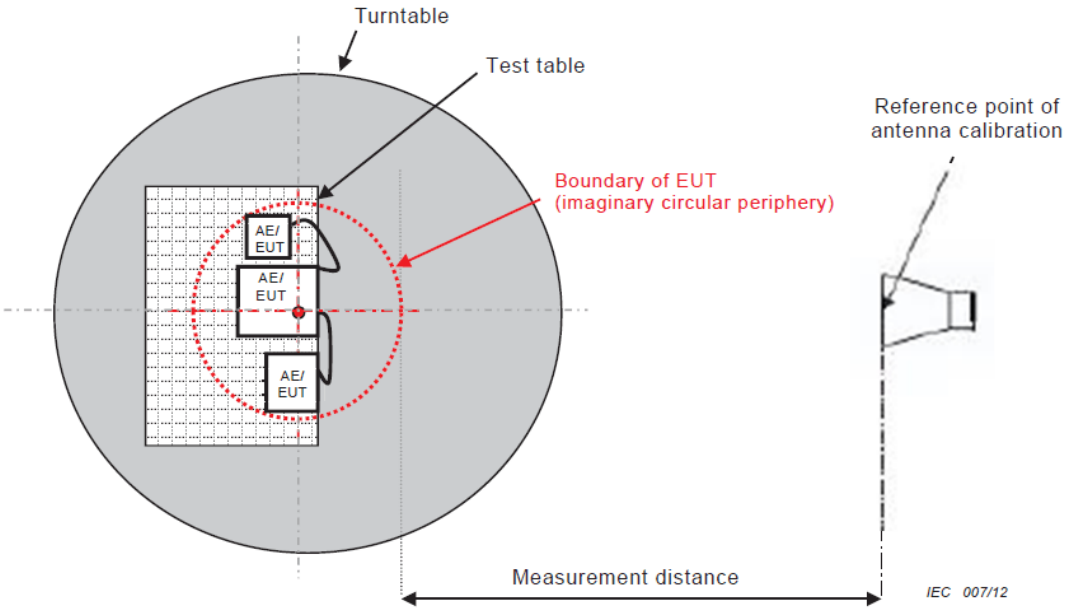


Figure C.1 – Measurement distance

7.2. Test Standard

BS EN 55032:2015+A11:2020,BS EN 55032:2015+A1:2020
BS EN IEC 61000-6-3:2021

7.3. Radiated Disturbance Limit

All emanations from a Class B computing devices or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Below 1G

Frequency range (MHz)	Quasi peak limits(dBuV/m), for Class B ITE, at 3m measurement distance	Quasi peak limits(dBuV/m), for Class A ITE, at 3m measurement distance
30 - 230	40	50
230 - 1000	47	57

Above 1000 MHz(BS EN 55032:2015+A11:2020)

Frequency range (MHz)	Peak limits(dBμV/m), at 3m measurement distance		Average limits(dBμV/m) at 3m measurement distance	
	Class A	Class B	Class A	Class B
1000 – 3000	76	70	56	50
3000 - 6000	80	74	60	54

Above 1000 MHz(BS EN 55032:2015+A1:2020)

Frequency range (MHz)	Peak limits(dBμV/m), at 3m measurement distance		Average limits(dBμV/m) at 3m measurement distance	
	Class A	Class B	Class A	Class B
1000 –6000	80	74	60	54

Note: 1.The lower limit shall apply at the transition frequencies.
2. Distance refers to the distance in meters between the test antenna and the closed point of any part of the EUT.

7.4. Test Procedure

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 3m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to BS EN 55032 Class B on Radiated Disturbance test.

The bandwidth setting on the test receiver is 120 kHz.

The frequency range from 30MHz to 1000MHz is checked. The test result are reported on Section 8.5.

7.5. Radiated Disturbance Test Results

7.5.1. Test Results: **PASS**

7.5.2. Emission Level= Correct Factor + Reading Level.

7.5.3. All reading are Quasi-Peak values.

7.5.4. The test data and the scanning waveform are attached within Appendix I.

8. IMMUNITY PERFORMANCE CRITERIA

The test results shall be classified in terms of the loss of function or degradation of performance of the equipment under test, relative to a performance level by its manufacturer or the requestor of the test, or the agreed between the manufacturer and the purchaser of the product.

Definition related to the performance level:
Based on the used product standard
Based on the declaration of the manufacturer, requestor or purchaser

Criterion A:
The equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

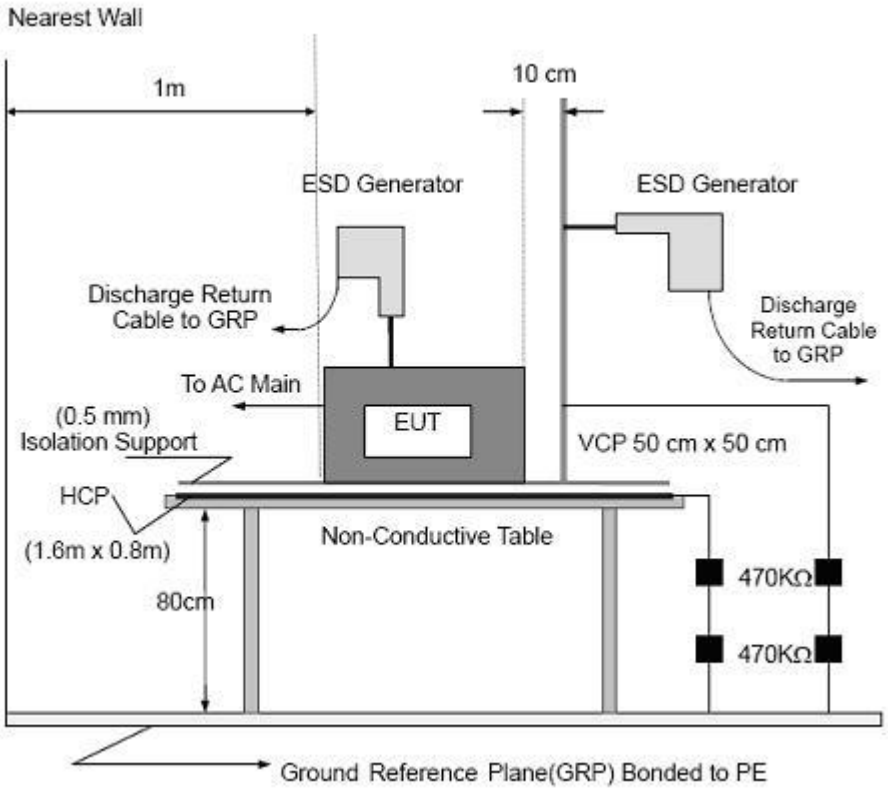
Criterion B:
After the test, the equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomena below a performance level specified by the manufacturer, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is allowed. However, no change of operating state or stored data is allowed to persist after the test. If the minimum performance level (or the permissible performance loss) is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect form the equipment if used as intended.

Criterion C:
Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer’s instructions. Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

9. ELECTROSTATIC DISCHARGE IMMUNITY TEST

9.1. Configuration of Test System

9.1.1. TEST SETUP



9.2. Test Standard

BS EN 55035:2017+A11:2020, BS EN IEC 61000-6-1:2019 (BS EN 61000-4-2)
(Severity Level 3 for Air Discharge at 8KV,
Severity Level 2 for Contact Discharge at 4KV)

9.3. Severity Levels and Performance Criterion

9.3.1. Severity level

Level	Test Voltage Contact Discharge (KV)	Test Voltage Air Discharge (KV)
1.	2	2
2.	4	4
3.	6	8
4.	8	15
X	Special	Special

9.3.2. Performance criterion : **B**

9.4. Test Procedure

9.4.1. Air Discharge:

The test was applied on non-conductive surfaces of EUT. The round discharge tip of the discharge electrode was approached as fast as possible to touch the EUT. After each discharge, the discharge electrode was removed from the EUT. The generator was re-triggered for a new single discharge and repeated 20 times for each pre-selected test point. This procedure was repeated until all the air discharge completed

9.4.2. Contact Discharge:

All the procedure was same as Section 12.4.1. except that the generator was re-triggered for a new single discharge and repeated 50 times for each pre-selected test point. the tip of the discharge electrode was touch the EUT before the discharge switch was operated.

9.5. Test Results

9.5.1. Test Results: **PASS**

9.5.2. Test data on the following pages.

Electrostatic Discharge Test Results

Shenzhen Most Technology Service Co., Ltd.

Test Voltage :	*1&2*	*Test Date:*	*Nov.25,2022*
Test Mode :	*1&2*	*Criterion :*	*B*
Temperature:	*26.0℃*	*Humidity:*	*55.0%*

Air Discharge: ±8KV *# For Air Discharge each Point Positive 10 times and negative 10 times discharge.*

Contact Discharge: ±4KV *# For Contact Discharge each point positive 25 times and negative 25 times discharge*

Test Results Description

Location	***Kind*** *A-Air Discharge C-Contact Discharge*	***Result***
HCP	*C*	*PASS*
VCP of Front	*C*	*PASS*
VCP of Rear	*C*	*PASS*
VCP of Left	*C*	*PASS*
VCP of Right	*C*	*PASS*

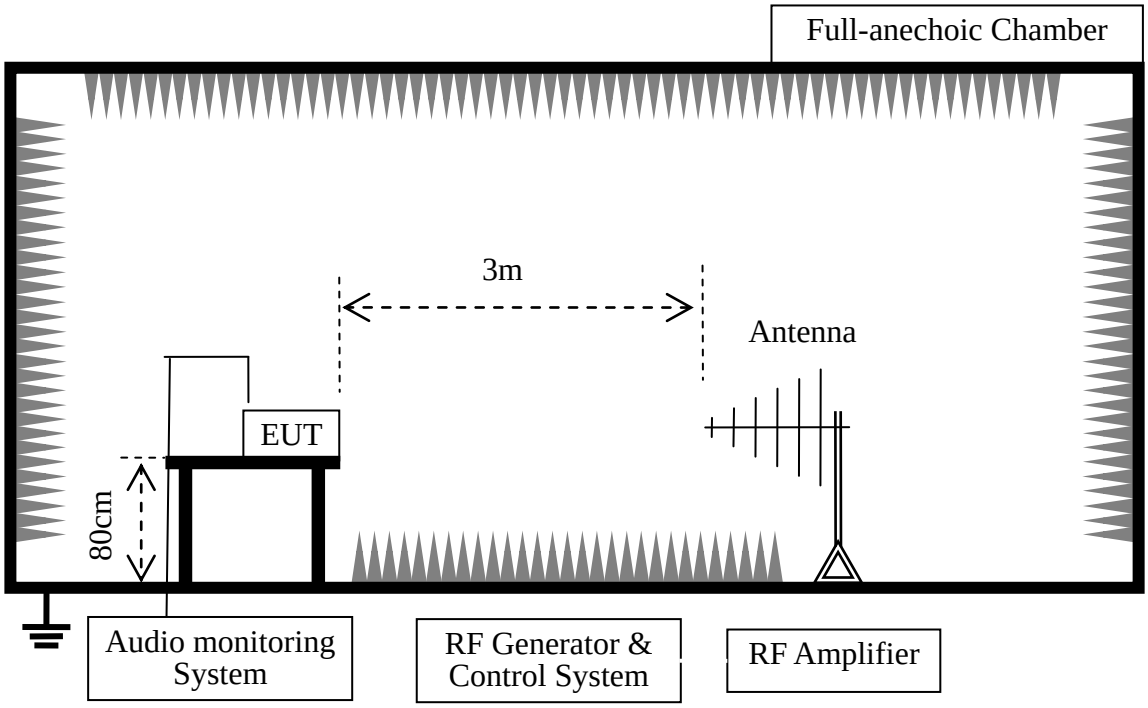
Remark :

Discharge was considered on Contact and Air and Horizontal Coupling Plane (HCP) and Vertical Coupling Plane (VCP).

Reviewer : 

10. RF FIELD STRENGTH SUSCEPTIBILITY TEST

10.1. Configuration of Test System



10.2. Test Standard

BS EN 55035:2017+A11:2020, BS EN IEC 61000-6-1:2019 (BS EN IEC 61000-4-3)
(Severity Level: 2 at 3V / m)

10.3. Severity Levels and Performance Criterion

Basic Standard:	BS EN IEC 61000-4-3
Required Performance:	A
Frequency Range:	80 MHz - 1000 MHz,1800MHz,2600MHz,3500MHz,5000MHz
Field Strength:	3 V/m
Modulation:	1kHz Sine Wave, 80%, AM Modulation
Frequency Step:	1 % of fundamental
Polarity of Antenna:	Horizontal and Vertical
Test Distance:	3 m
Antenna Height:	1.5 m
Dwell Time:	at least 3 seconds

10.4.Test Procedure

a. The testing was performed in a fully anechoic chamber. The transmit antennawas located at a distance of 3 meters from the EUT.

b. The frequency range is swept from 80 MHz to 1000 MHz, 1800 MHz, 2600 MHz, 3500 MHz, 5000 MHz, with the signal 80% amplitude modulated with a 1kHz sine-wave. The rate ofsweep did not exceed 1.5 x 10^{-3} decade/s,where the frequency range is sweptincrementally, the step size was 1% of preceding frequency value.

c. The dwell time at each frequency shall be not less than the time necessary for theEUT to be able to respond.

e. The test was performed with the EUT exposed to both vertically and horizontallypolarized fields on each of the four sides.

10.5.Test Results

10.5.1.Test Results: **PASS**

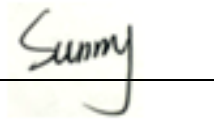
10.5.2.Test data on the following pages.

RF Field Strength Susceptibility Test Results

Shenzhen Most Technology Service Co., Ltd.

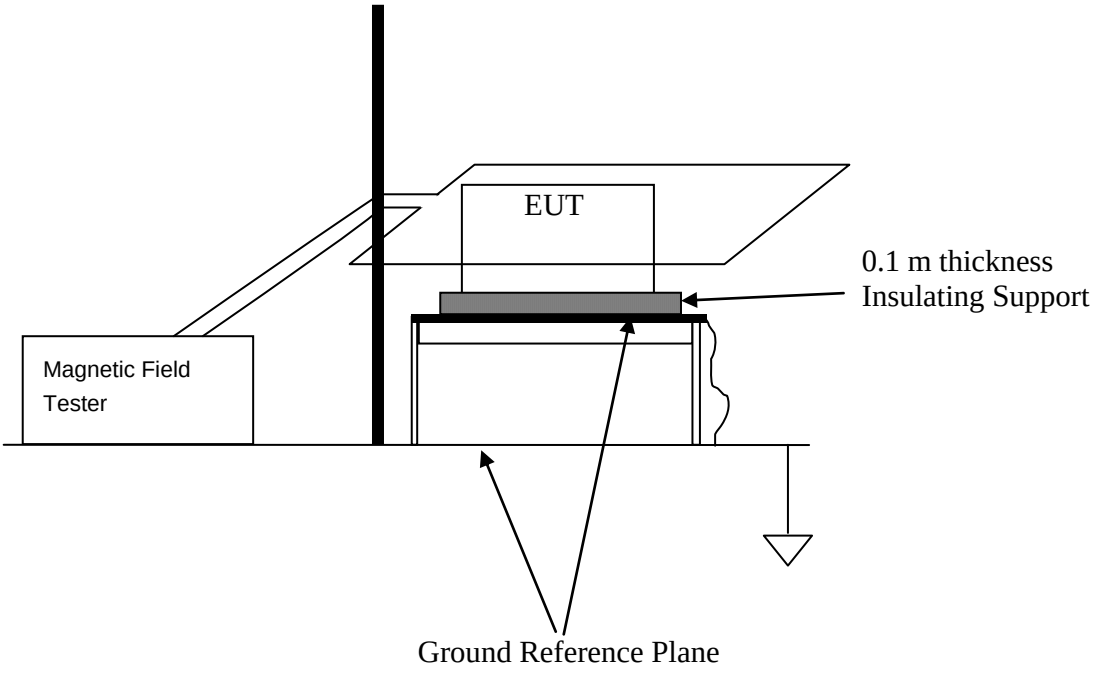
Temperature:	*26.0 ℃*	Relative Humidity:	*55.0%*
Test Voltage:	1&2	Test Mode:	1&2

Frequency Range (MHz)	RF Field Position	R.F. Field Strength	Azimuth	Perform. Criteria	Results	Judgment
80MHz - 1000MHz	H / V	*3 V/m (rms) AM Modulated 1000Hz, 80%*	Front	A	A	PASS
			Rear			
			Left			
			Right			
1800MHz	H / V	*3 V/m (rms) AM Modulated 1000Hz, 80%*	Front	A	A	PASS
			Rear			
			Left			
			Right			
2600MHz	H / V	*3 V/m (rms) AM Modulated 1000Hz, 80%*	Front	A	A	PASS
			Rear			
			Left			
			Right			
3500MHz	H / V	*3 V/m (rms) AM Modulated 1000Hz, 80%*	Front	A	A	PASS
			Rear			
			Left			
			Right			
5000MHz	H / V	*3 V/m (rms) AM Modulated 1000Hz, 80%*	Front	A	A	PASS
			Rear			
			Left			
			Right			

Reviewer : 

11. MAGNETIC FIELD IMMUNITY TEST

11.1. Configuration of Test System



11.2. Test Standard

BS EN 55035:2017+A11:2020, BS EN IEC 61000-6-1:2019 (BS EN 61000-4-8)
(Severity Level 1 at 1A/m)

11.3. Severity Levels and Performance Criterion

11.3.1. Severity level

Level	Magnetic Field Strength A/m
1.	1
2.	3
3.	10
4.	30
5.	100
X.	Special

11.3.2. Performance criterion : **A**

11.4.Test Procedure

The EUT was subjected to the test magnetic field by using the induction coil of standard dimensions (1m*1m) and shown in Section 17.1. The induction coil was then rotated by 90° in order to expose the EUT to the test field with different orientations.

11.5.Test Results

11.5.1.Test Results: **PASS**

11.5.2.Test data on the following pages.

Magnetic Field Immunity Test Results

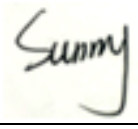
Shenzhen Most Technology Service Co., Ltd.

Test Voltage :	*1&2*	*Test Date:*	*Nov.25,2022*
Test Mode :	*1&2*	*Criterion :*	*A*
Temperature:	*26.0 ℃*	*Humidity:*	*55.0%*

Test Results Description

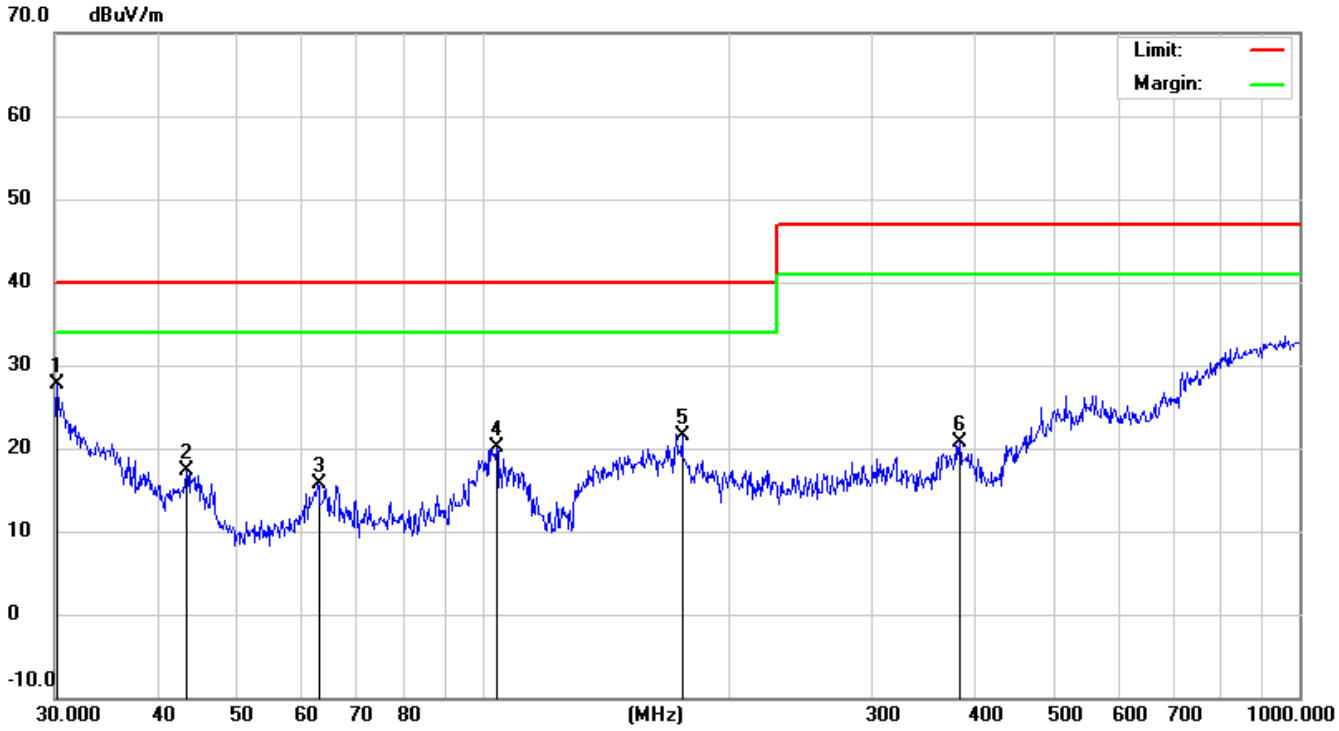
Test Level	*Testing Duration*	*Coil Orientation*	*Criterion*	*Result*
1A/m(50Hz/60Hz)	*5 mins*	*X*	*A*	*PASS*
1A/m(50Hz/60Hz)	*5 mins*	*Y*	*A*	*PASS*
1A/m(50Hz/60Hz)	*5 mins*	*Z*	*A*	*PASS*

Remark: *No function loss*

Reviewer : 

APPENDIX I

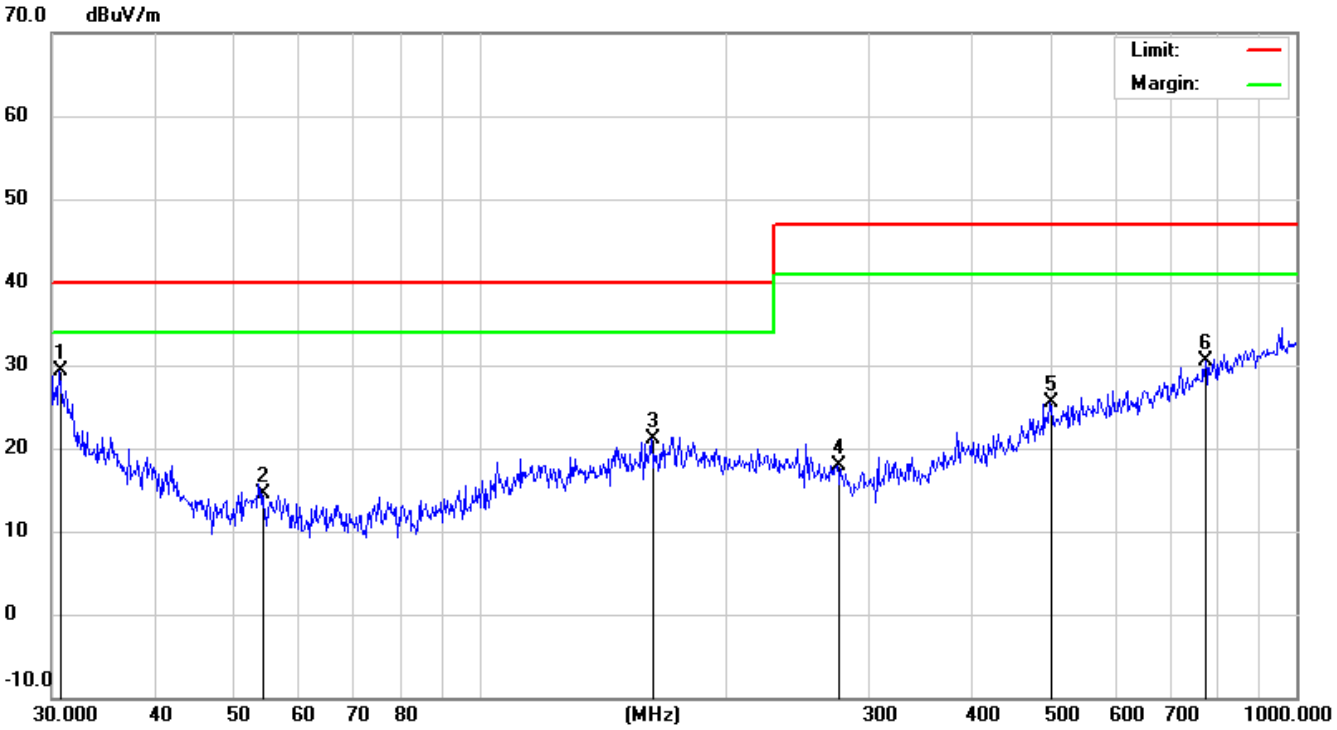
EUT:	Rechargeable Li-ion Polymer Battery	M/N:	BW56
Mode:	Charging	Polarization:	Vertical
Test by:	DAWN	Power:	DC 4.45V by DC Source
Temperature: / Humidity	26.0℃/55.0%	Test date:	2022-11-25



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	30.2111	6.90	20.76	27.66	40.00	-12.34	QP			
2		43.5057	5.81	11.49	17.30	40.00	-22.70	QP			
3		62.8708	6.95	8.80	15.75	40.00	-24.25	QP			
4		104.1701	6.07	14.06	20.13	40.00	-19.87	QP			
5		175.6516	5.03	16.51	21.54	40.00	-18.46	QP			
6		383.9318	3.60	17.09	20.69	47.00	-26.31	QP			

*:Maximum data x:Over limit !:over margin

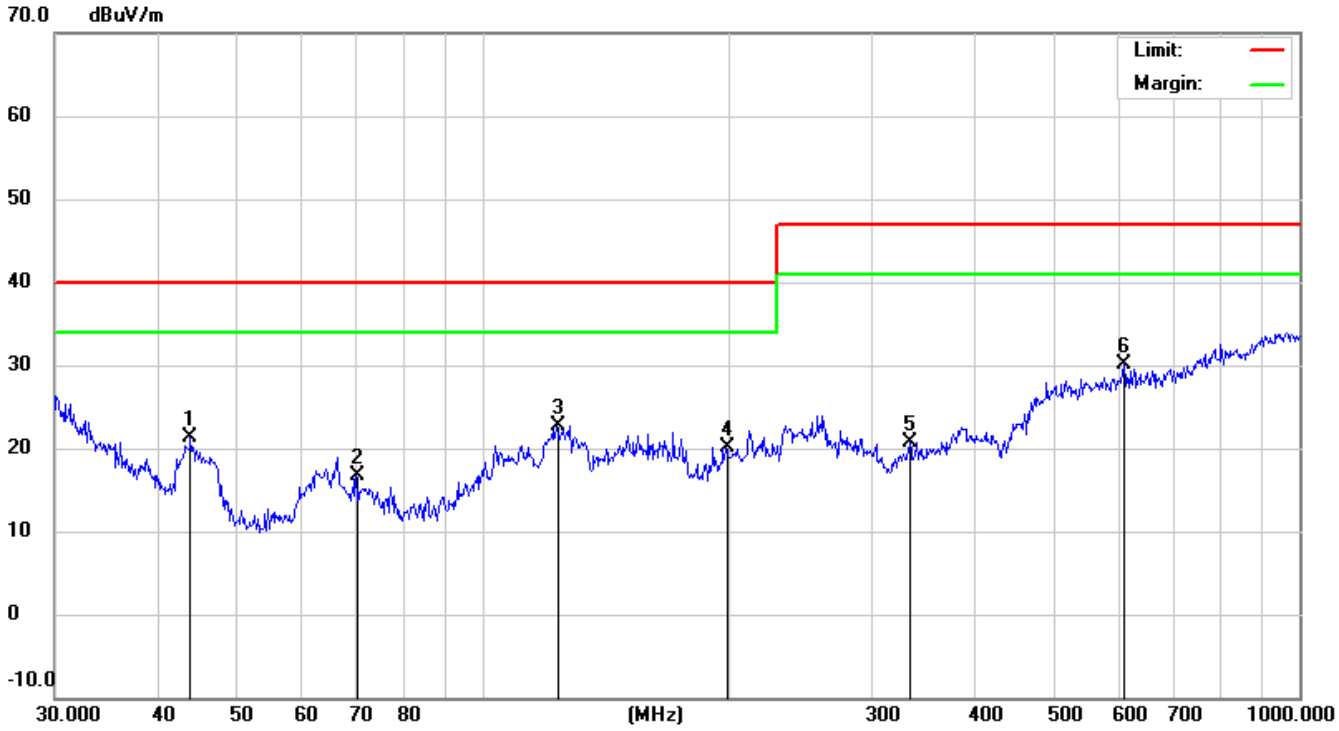
EUT:	Rechargeable Li-ion Polymer Battery	M/N:	BW56
Mode:	Charging	Polarization:	Horizontal
Test by:	DAWN	Power:	DC 4.45V by DC Source
Temperature: / Humidity	26.0℃/55.0%	Test date:	2022-11-25



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	30.6379	8.87	20.47	29.34	40.00	-10.66	QP			
2		54.2610	6.20	8.31	14.51	40.00	-25.49	QP			
3		162.6106	3.90	17.21	21.11	40.00	-18.89	QP			
4		274.1939	3.29	14.62	17.91	47.00	-29.09	QP			
5		499.4247	2.77	22.67	25.44	47.00	-21.56	QP			
6		774.1584	3.27	27.18	30.45	47.00	-16.55	QP			

*:Maximum data x:Over limit !:over margin

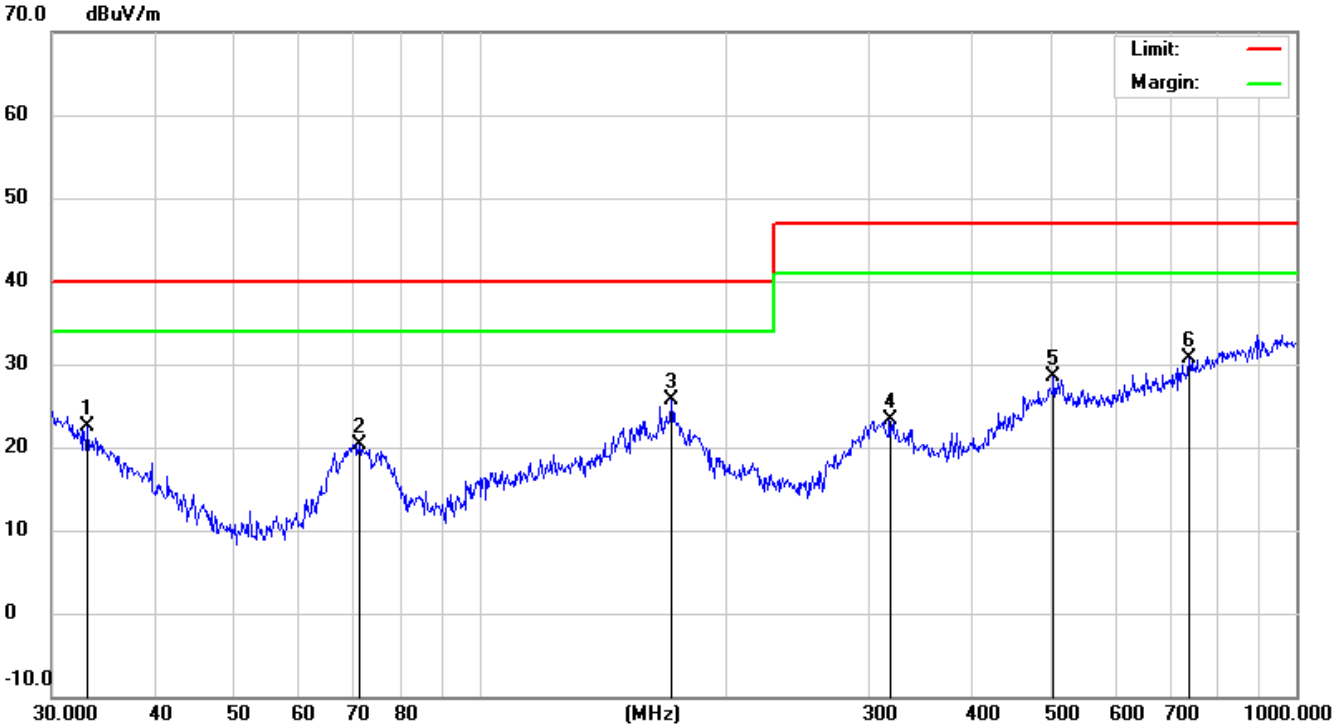
EUT:	Rechargeable Li-ion Polymer Battery	M/N:	BW56
Mode:	Discharging	Polarization:	Vertical
Test by:	DAWN	Power:	DC 3.87V by Battery
Temperature: / Humidity	26.0℃/55.0%	Test date:	2022-11-25



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		43.9658	10.15	11.18	21.33	40.00	-18.67	QP			
2		70.0903	7.32	9.31	16.63	40.00	-23.37	QP			
3		123.2655	6.85	15.93	22.78	40.00	-17.22	QP			
4		198.5880	4.96	15.16	20.12	40.00	-19.88	QP			
5		333.6867	4.66	16.14	20.80	47.00	-26.20	QP			
6	*	609.9217	6.11	23.93	30.04	47.00	-16.96	QP			

*:Maximum data x:Over limit !:over margin

EUT:	Rechargeable Li-ion Polymer Battery	M/N:	BW56
Mode:	Discharging	Polarization:	Horizontal
Test by:	DAWN	Power:	DC 3.87V by Battery
Temperature: / Humidity	26.0℃/55.0%	Test date:	2022-11-25



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		33.2112	3.79	18.72	22.51	40.00	-17.49	QP			
2		71.3300	10.98	9.41	20.39	40.00	-19.61	QP			
3	*	171.9946	8.88	16.90	25.78	40.00	-14.22	QP			
4		317.7011	7.39	15.84	23.23	47.00	-23.77	QP			
5		504.7062	5.68	22.75	28.43	47.00	-18.57	QP			
6		739.6604	4.40	26.21	30.61	47.00	-16.39	QP			

*:Maximum data x:Over limit !:over margin

APPENDIX II
(Photos of the EUT)

Figure 1
General Appearance of the EUT

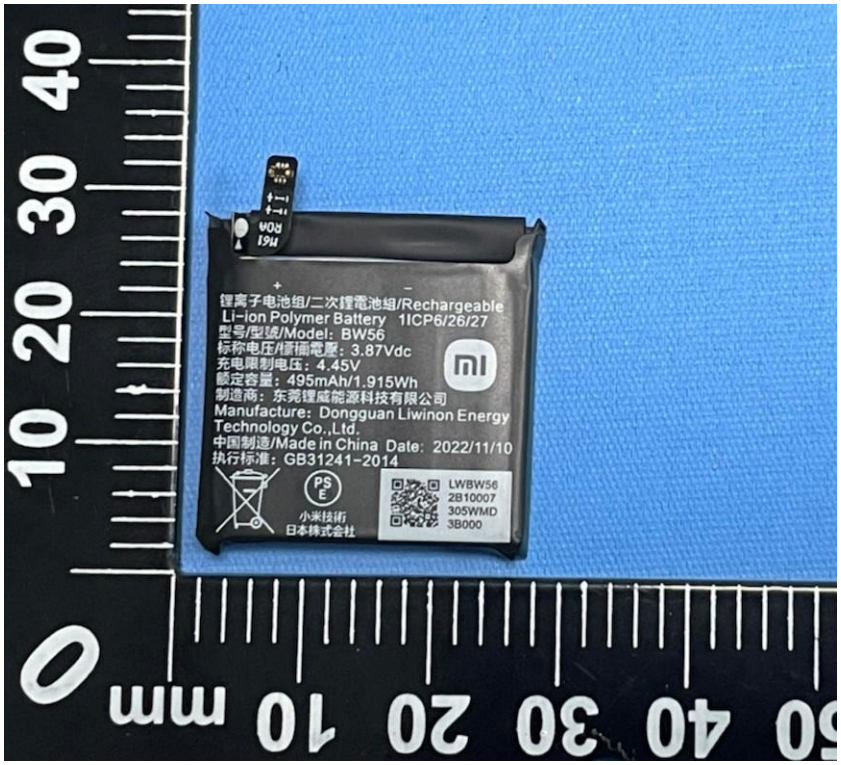


Figure 2
General Appearance of the EUT

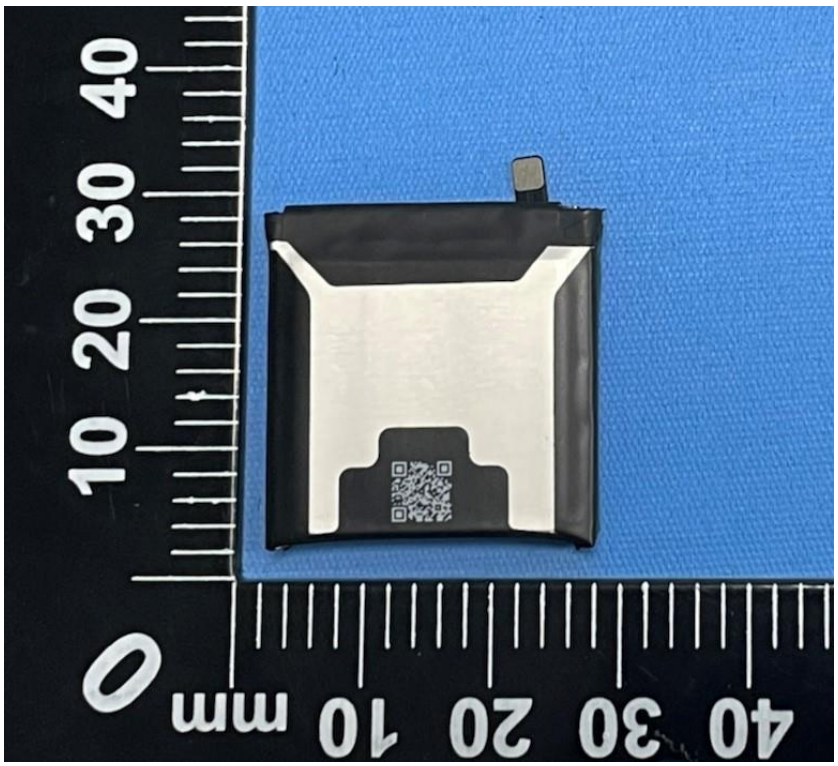


Figure 3
General Appearance of the EUT