G4B(www.g4b.go.kr)진위확인코드 : vTi8DPZgc5c=

DSTech Co., Ltd.
25, 2565beon-gil, Jungbu-daero, Yangji-eup, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 17162
TEL : +82-31-336-1798 FAX : +82-31-336-3451

TEST REPORT

시점확인필 진본 2026-10-08 16:19:47 KST 청북시접확인센터

1. Report No	:	DST-26E-1778
2. Date of incoming	:	2026.09.09
3. Applicant		
• Name	:	TECHBRIDGE CO., LTD.
• Address	:	Room 801-ho, 31, Bongmyeong-ro, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, Republic of Korea
4. Manufacturer	:	TECHBRIDGE CO., LTD.
5. Equipment		
• Product Name	:	Military Mess-Tin Style Portable Power Bank
• Model Name	:	TB001-1500PB-KY2170050E
• Add Model Name	:	N/A
6. Purpose of a report	:	FCC Marking
7. Test Method Used	:	FCC Part 15 Subpart B, Class B ANSI C63.4a:2017
8. Date of Test	:	2026.09.21
9. Test Result	:	Refer to the attached Test Result

Affirmation	Tested by	Reviewed by
	Name : KIM, Eunsu (Signature)	Name : KIM, Jooho (Signature)

The test results presented in this test report are limited only to the sample supplied by applicant and the use of this test report is inhibited other than its purpose.
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2026.10.08

DSTech Co., Ltd.

※ This test report is not related to KS Q ISO/IEC 17025 and KOLAS Scheme & procedure

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Test Report Revision History

Revisions	Issue Report No.	Issued Date	Description	Approved by
0	DST-26E-1778	2026.10.08	Initial Release	J.H. Kim

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1. Test Laboratory

This report contains the result of tests performed by:

Company Name	DSTech Co., Ltd.
Address	25, 2565beon-gil, Jungbu-daero, Yangji-eup, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea.
TEL	+82-31-336-1798
FAX	+82-31-336-3451

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2. General Information of EUT

2.1 Basic description of EUT

Kind of Equipment	Military Mess-Tin Style Portable Power Bank
Model No	TB001-1500PB-KY2170050E
Add Model	-
Serial No	-
Type of Sample Tested	Pre-Production
Input rating	USB-C Input DC 5 V USB-C Output DC 5 V 2 A USB-A Output DC 5 V 1.9 A Battery DC 3.6 V
Testing voltage	AC 120 V 60 Hz Battery DC 3.6 V
Max Internal Frequency	Below 108 MHz
Applicant	**TECHBRIDGE CO., LTD.** Room 801-ho, 31, Bongmyeong-ro, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, Republic of Korea
Manufacturer	**TECHBRIDGE CO., LTD.** Room 801-ho, 31, Bongmyeong-ro, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, Republic of Korea

2.2 Alternative type(s)/model(s); also covered by this test report.

- The following lists consist of the added model and their differences.

Model Name	Differences	Tested
-	-	–

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3. Test Summary

3.1 Applied standards and test results

Basic Standard	Description	Test Result
FCC Part 15 Subpart B	15.107(a) Conducted Emission	**C**
	15.109(g) Radiated Emission	**C**
C=Comply N/C=Not Comply N/T=Not Tested N/A=Not Applicable		

* The sample was tested according to the following specification: ANSI C63.4a:2017

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4. Test Conditions

4.1 EUT and supporting equipment used during test

Type of Peripheral Equipment Used:

Description	Model Name	Serial No.	Manufacturer
Military Mess-Tin Style Portable Power Bank	TB001-1500PB-KY2170050E	-	TECHBRIDGE CO., LTD.
DC Electronic Load #1	IT8512+	-	ITECH
DC Electronic Load #2	IT8512+	-	ITECH
JIG #1	-	-	-
JIG #2	-	-	-
AC Adapter	ES518G-U050100XOK	-	SHENZHEN EAST SUN ELECTRONIC CO., LTD.

Type of Cables Used:

Device from		Device to		Length (m)	Type of shield
Name of Device	I/O port	Name of Device	I/O port		
Mode 1					
EUT	DC Input (USB-C)	AC Adapter	DC Output (USB-A)	1.6	NS
AC Adapter	AC Input	AC Mains	-	Direct	-
Mode 2					
EUT	DC Output (USB-C)	JIG #1	DC Input (USB-C)	Direct	-
EUT	DC Output (USB-A)	JIG #2	DC Input (USB-A)	Direct	-
JIG #1	DC Output	DC Electronic Load #1	DC Input	0.9	NS
JIG #2	DC Output	DC Electronic Load #2	DC Input	0.9	NS
DC Electronic Load #1	AC Input	AC Mains	-	1.0	NS
DC Electronic Load #2	AC Input	AC Mains	-	1.0	NS

* NS = Unshield / S = Shield

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4.2 EUT Operation Modes

No.	Mode	Description
1	Charging	Maintain charge status
2	Operating	Maintain USB-C (5 V 2 A) and USB-A (5 V 1.9 A) load condition

4.3 Description of EUT modification

- Application Location: Power Cable Ferrite Core Application
- Ferrite Core Information: Manufacturer: Taejin, Model: EMI-2936



- Application Location: Power Cable Ferrite Core Application
- Ferrite Core Information: Manufacturer: Taejin, Model: EMI-2936



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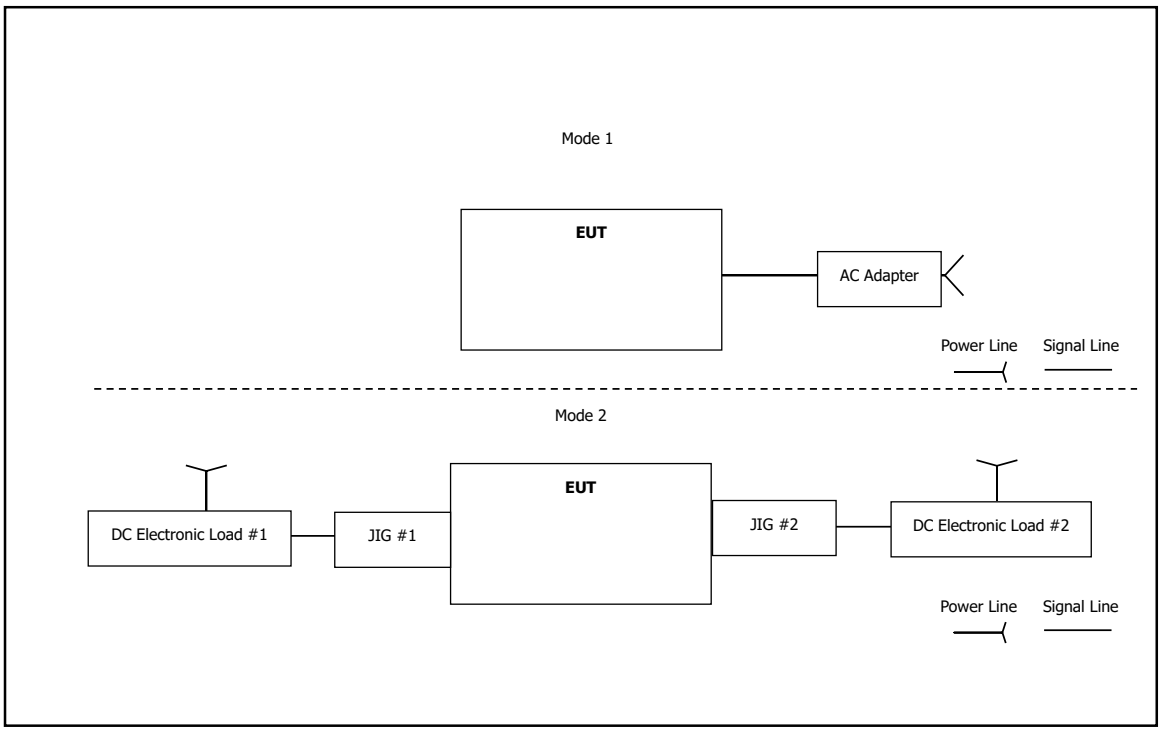
4.4 Variations covered by this report

- N/A

4.5 Additional information related to Testing

Test results apply only to the particular sample tested and functionality described in this test report. This report may be reproduced in full. Partial reproduction may only be made with the written permission of the DSTech Co., Ltd.

4.6 Test System layout on EUT and peripherals



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5. Test Results : Emission

5.1 Conducted Emission Test

5.1.1 Test Condition

Test Method : FCC Part 15 Subpart B

Test Date : 2026.09.21

Temperature/Humidity : 30 °C / 31 % R.H.

Operation mode : Mode 1

5.1.2 Test Limits

Frequency range (MHz)	Limits dB(μV)			
	Quasi-peak		Average	
	Class A	Class B	Class A	Class B
0.15 to 0.50	79	66 ~ 56	66	56 ~ 46
0.50 to 5	73	56	60	46
5 to 30		60		50

5.1.3 Test Equipment List

Equipment Type	Model	Serial No	Manufacture	Cal Due Date	Use
EMI Test Receiver	ESCI 3	100049	ROHDE & SCHWARZ	2027.06.09	☒
Pulse Limiter(10 dB)	ESH3-Z2	102029	ROHDE & SCHWARZ	2027.06.09	☒
Two-Line V-network	ESH3-Z5	100193	ROHDE & SCHWARZ	2027.06.10	☒
50 Ω Termination	-	-	-	-	☐
LISN	L2-16B	110VT80504	NARDA	2027.06.09	☐

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5.1.4 Test Result of Conducted Emission

Test Results : PASS
Test data sheets follow.

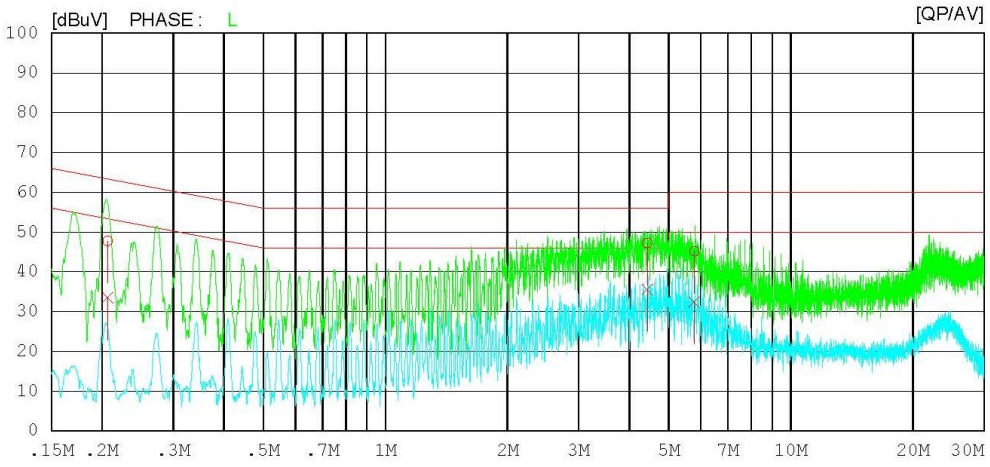
Results of Conducted Emission

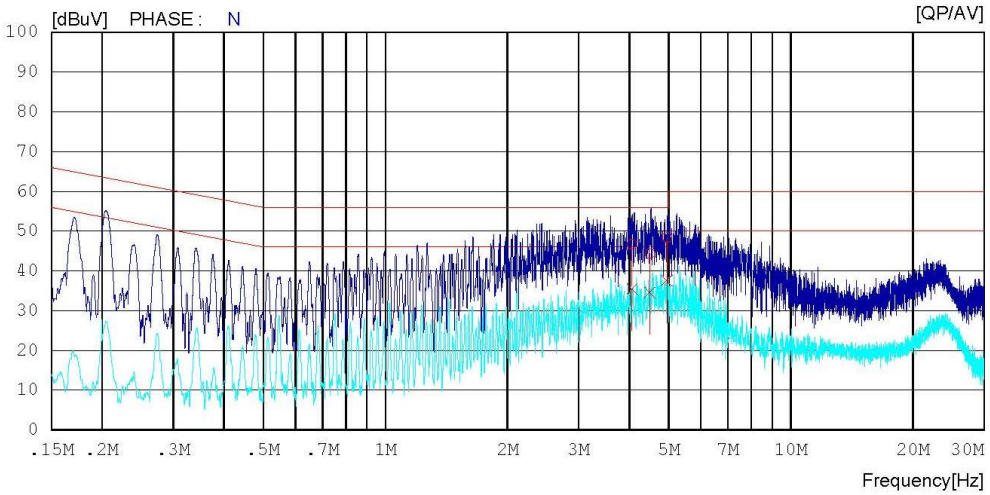
DSTech
Date : 2026-09-21

Order No.	:	DST-26E-1778	Test engineer	:	E.S.KIM
Test Condition	:	120 V 60 Hz		:	
Test Mode	:	Charging		:	
	:			:	

Comment :

LIMIT : Class B_QP_mains port
Class B_CAV_mains port





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G4B(www.g4b.go.kr)진위확인코드 : vTi8DPZgc5c=

Results of Conducted Emission

DSTech
Date : 2026-09-21

Order No.	:	DST-26E-1778	Test engineer	:	E.S.KIM
Test Condition	:	120 V 60 Hz		:	
Test Mode	:	Charging		:	
	:			:	

Comment :

LIMIT : Class B_QP_mains port
Class B_CAV_mains port

NO	FREQ	READING QP	READING CAV	C.FACTOR	RESULT QP	RESULT CAV	LIMIT QP	LIMIT CAV	MARGIN QP	MARGIN CAV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.20661	37.7	23.4	10.0	47.7	33.4	63.3	53.3	15.6	19.9	L
2	4.42840	37.0	25.3	10.2	47.2	35.5	56.0	46.0	8.8	10.5	L
3	5.78760	34.9	22.2	10.2	45.1	32.4	60.0	50.0	14.9	17.6	L
4	4.06040	36.5	25.3	10.2	46.7	35.5	56.0	46.0	9.3	10.5	N
5	4.49600	34.2	24.4	10.2	44.4	34.6	56.0	46.0	11.6	11.4	N
6	4.95400	38.2	27.4	10.2	48.4	37.6	56.0	46.0	7.6	8.4	N

Description of Calculation

C.FACTOR(dB) :	LISN Factor(dB) + Cable loss(dB) + Pulse Limiter Loss(dB)
Result(dBμV) :	Reading Value(dBμV) + C.FACTOR(dB)
Margin(dBμV) :	Limit(dBμV) - Result(dBμV)

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G4B(www.g4b.go.kr)진위확인코드 : vTi8DPZgc5c=

5.2 Radiated Emission Test

5.2.1 Test Condition

Test Method : FCC Part 15 Subpart B

Test Date : 2026.09.21

Temperature/Humidity : 31 °C / 33 % R.H.

Operation mode : Mode 1, 2

5.2.2 Test Limits

- The test frequency range of Radiated Disturbance measurements are listed below.

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 108	1 000
108 – 500	2 000
500 – 1 000	5 000
Above 1 000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

(1) Limit for Radiated Emission below 1 000MHz

Frequency range (MHz)	Class A Equipment (10 m distance)	Class B Equipment (3 m distance)
	Quasi-peak (dBµV/m)	Quasi-peak (dBµV/m)
30 to 88	39.1	40
88 to 216	43.5	43.5
216 to 960	46.4	46
960 to 1 000	49.5	54

Frequency range (MHz)	Class A Equipment (10 m distance)	Class B Equipment (10 m distance)
	Quasi-peak (dBµV/m)	Quasi-peak (dBµV/m)
30 to 230	40	30
230 to 1 000	47	37

(2) Limits for Radiated Emission above 1 000MHz at a measuring distance of 3 m

Frequency (GHz)	Class A Equipment		Class B Equipment	
	Peak (dBµV/m)	Average (dBµV/m)	Peak (dBµV/m)	Average (dBµV/m)
1 to 40	80	60	74	54

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The radiated disturbance was measured and set-up was made accordance with **ANSI C63.4a:2017**
If the EUT is table top equipment, it was placed on a wooden table with a height of 0.8 m above the reference ground plane and 3 m or 10 m away from the interference receiving antenna in the **10m semi-anechoic chamber.**
Also if the EUT is floor-standing equipment, it was placed on a non-conducted support with a height up to 0.15 m above the reference ground plane.
Rotate the EUT from (0 - 360) ° and position the receiving antenna at heights from (1 - 4) m above the reference ground plane continuously to determine associated with higher emission levels and record them.
The measurement was made in both the vertical and horizontal polarization, and the maximum value is presented in the report.
For below 1 GHz frequency range, Quasi-Peak detector with 120 kHz RBW was used.
Also Peak and Average detector with 1 MHz RBW were used for above 1 GHz frequency range.
For further description of the configuration refer to the picture of the test set-up.

5.2.3 Test Equipment List

Equipment Type	Model	Serial No	Manufacture	Cal Due Date	Use
EMI Test Receiver	ESW 44	101545	ROHDE & SCHWARZ	2027.06.09	☒
Low Noise Amplifier	TK-PA01S	190013-L	TESTEK	2027.06.09	☒
TRILOG Broadband Antenna	VULB 9168	00904	SCHWARZBECK	2028.07.29	☒

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5.2.4 Test Result of Radiated Emission

Test Results: PASS
Test data sheets follow.

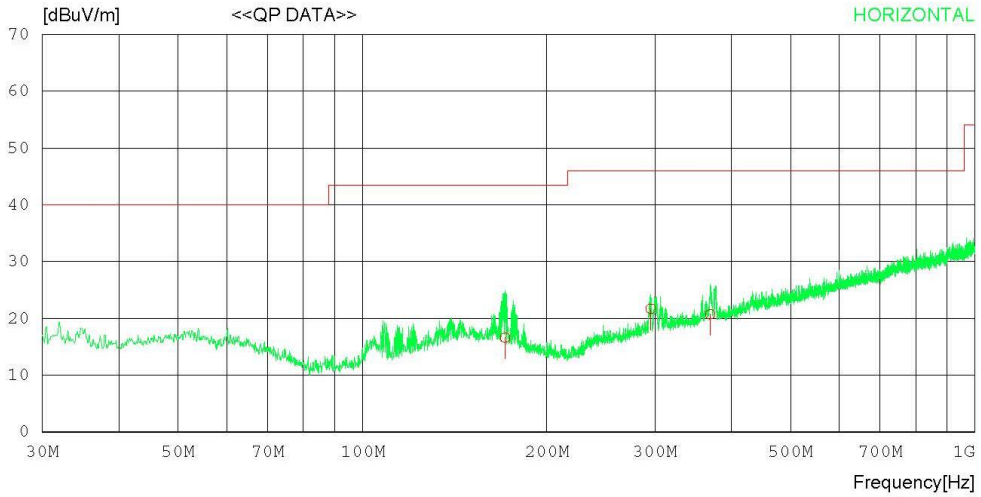
Frequency Range [30 MHz – 1 GHz] / Test Mode [MODE 1]

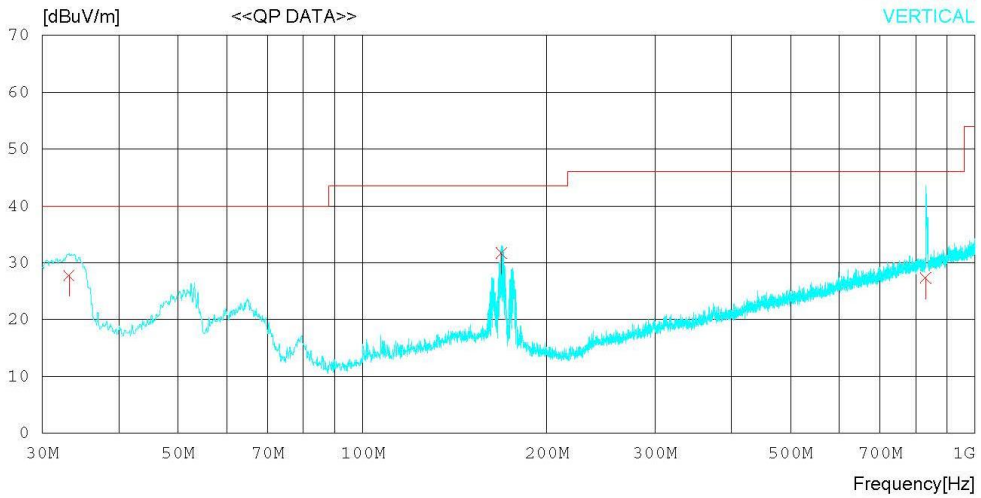
Results of Radiated Emission

Date : 2026-09-21

Order No.	:	DST-26E-1778	Test engineer	:	E.S.KIM
Test condition	:	120 V 60 Hz		:	
Test Mode	:	Charging		:	
	:			:	
	:				

LIMIT : FCC PART 15B CLASS B_3M





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Results of Radiated Emission

Date : 2026-09-21

Order No.	:	DST-26E-1778	Test engineer	:	E.S.KIM
Test condition	:	120 V 60 Hz		:	
Test Mode	:	Charging		:	
	:			:	
	:				

LIMIT : FCC PART 15B CLASS B_3M

No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	170.889	38.5	18.2	3.1	43.2	16.6	43.5	26.9	365	259
2	295.531	41.3	19.1	4.2	42.9	21.7	46.0	24.3	374	66
3	369.491	37.9	20.9	4.7	42.8	20.7	46.0	25.3	372	56
----- Vertical ------										
4	33.153	51.2	18.2	1.3	42.9	27.8	40.0	12.2	106	26
5	168.586	53.4	18.4	3.1	43.2	31.7	43.5	11.8	118	51
6	830.065	34.5	28.2	7.2	42.5	27.4	46.0	18.6	121	31

Description of Calculation

C.FACTOR(dB) :	Ant factor(dB) + Cable loss(dB) – Amp Gain(dB)
Result(dBμV) :	Reading Value(dBμV) + C.FACTOR(dB)
Margin(dBμV) :	Limit(dBμV) - Result(dBμV)

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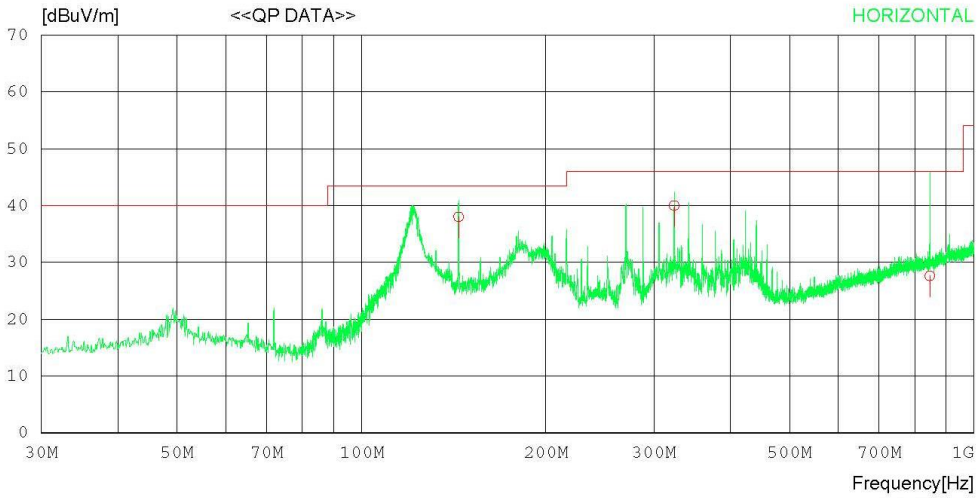
Frequency Range [30 MHz – 1 GHz] / Test Mode [MODE 2]

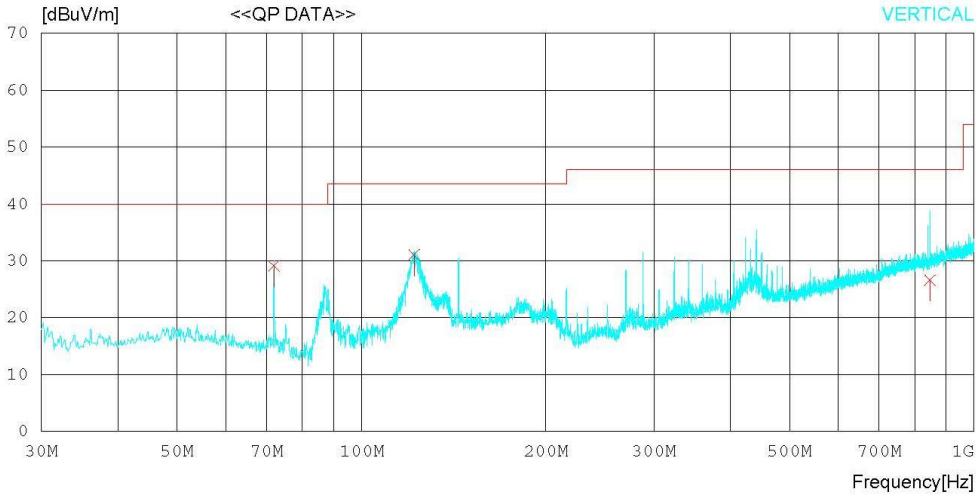
Results of Radiated Emission

Date : 2026-09-21

Order No.	:	DST-26E-1778	Test engineer	:	E.S.KIM
Test condition	:	Battery .		:	
Test Mode	:	Operating		:	
	:			:	
	:				

LIMIT : FCC PART 15B CLASS B_3M





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Results of Radiated Emission

Date : 2026-09-21

Order No.	:	DST-26E-1778	Test engineer	:	E.S.KIM
Test condition	:	Battery		:	
Test Mode	:	Operating		:	
	:			:	
	:				

LIMIT : FCC PART 15B CLASS B_3M

No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	143.973	59.1	19.2	2.9	43.2	38.0	43.5	5.5	374	278
2	323.902	58.6	19.9	4.4	42.9	40.0	46.0	6.0	362	122
3	846.437	34.5	28.3	7.3	42.5	27.6	46.0	18.4	360	208
----- Vertical ------										
4	71.952	53.6	16.7	2.0	43.2	29.1	40.0	10.9	115	252
5	121.785	54.7	16.9	2.7	43.2	31.1	43.5	12.4	106	81
6	847.043	33.5	28.3	7.3	42.5	26.6	46.0	19.4	121	151

Description of Calculation

C.FACTOR(dB) :	Ant factor(dB) + Cable loss(dB) – Amp Gain(dB)
Result(dBμV) :	Reading Value(dBμV) + C.FACTOR(dB)
Margin(dBμV) :	Limit(dBμV) - Result(dBμV)

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6. Photographs of Test Configuration

6.1 Photographs of Conducted Emission Test Configuration

[MODE 1]

Front View



Rear View

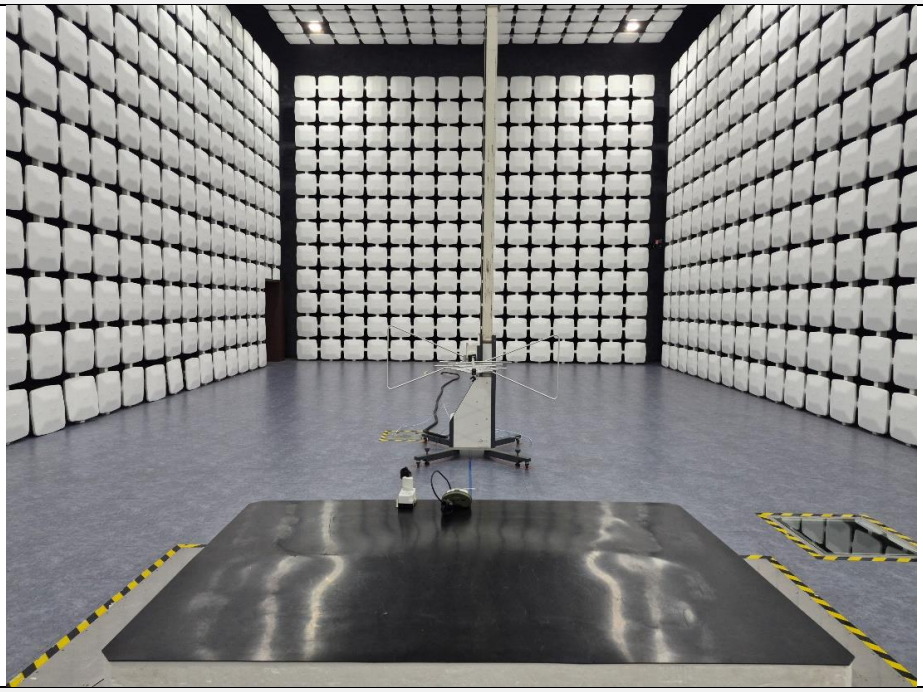


G4B(www.g4b.go.kr)진위확인코드 : vTi8DPZgc5c=

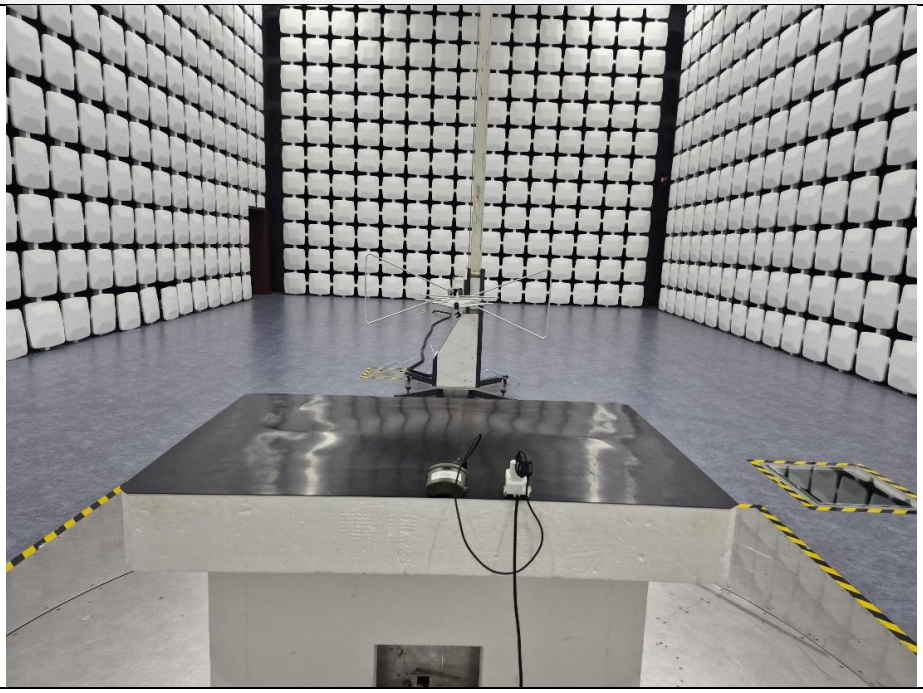
6.2 Photographs of Radiated Emission Test Configuration

Frequency Range [30 MHz – 1 GHz] [MODE 1]

Front View

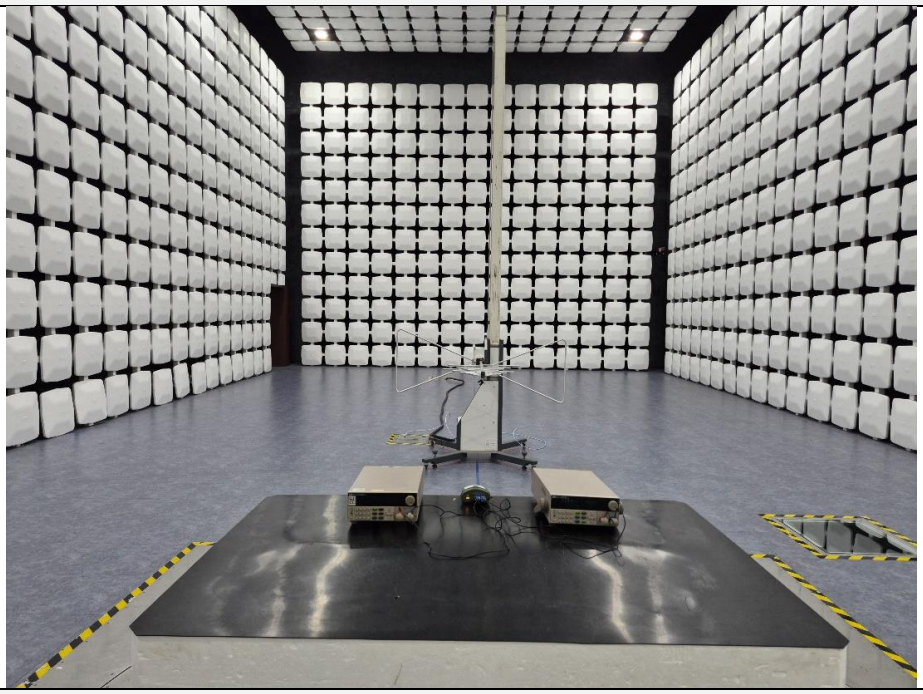
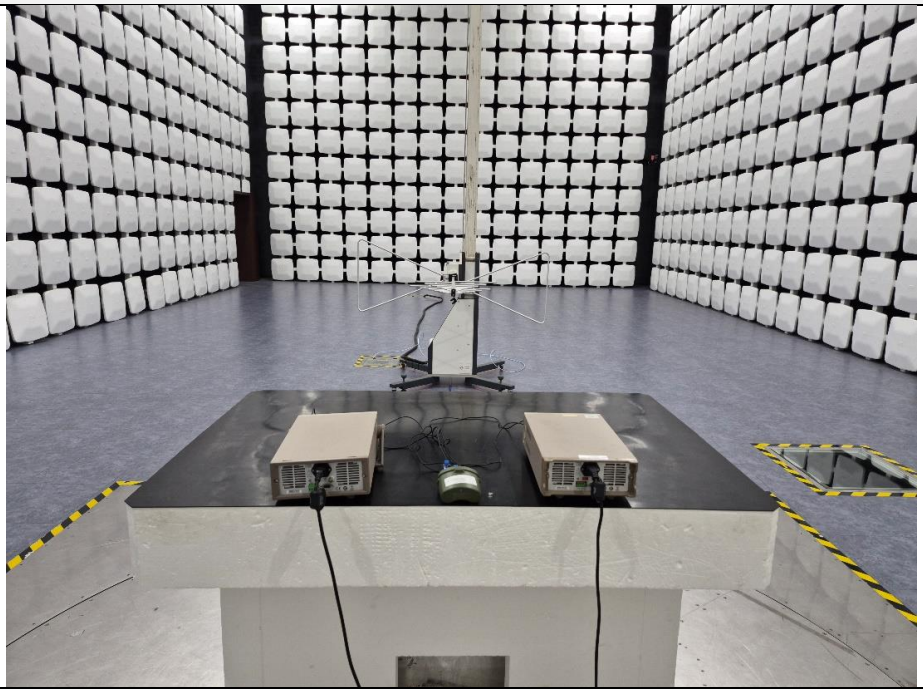


Rear View



G4B(www.g4b.go.kr)진위확인코드 : vTi8DPZgc5c=

Frequency Range [30 MHz – 1 GHz] [MODE 2]

Front View

Rear View


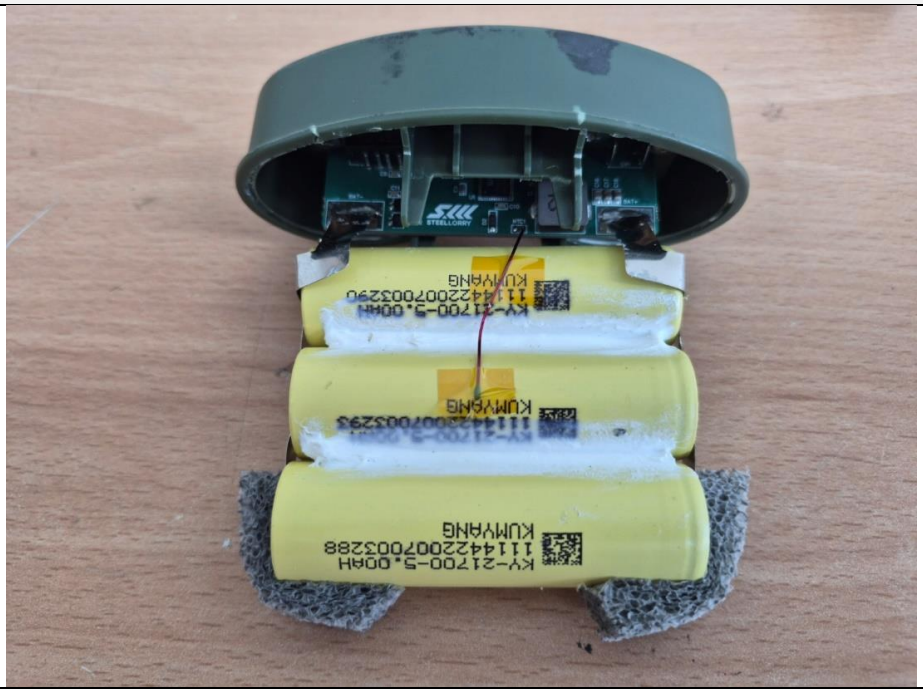
G4B(www.g4b.go.kr)진위확인코드 : vTi8DPZgc5c=

7. Photographs of EUT

Front View of EUT

Rear View of EUT


G4B(www.g4b.go.kr)진위확인코드 : vTi8DPZgc5c=

Inside View of EUT


- End of test report -