FCC Part 15.231

RSS-210, ISSUE 11, Jun 2024

RSS-GEN, ISSUE 5, February 2021 Amendment 2

TEST REPORT

For

Superior Electronics Corporation.

No.10, Lane 31, Chongde St., Sinyi District, Taipei City 110, Taiwan (R.O.C.)

FCC ID: K4E939T2E
IC: 23770-K939T2ENU

Report Type:	**Product Type:**
Original Report	Remote Transmitter

Report Number: RLK260323074RF01

Report Date: 2026/06/24

Reviewed By: Jack Hsu Jack Hsu

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Revision History

Revision	No.	Report Number	Issue Date	Description	Author/ Revised by
0.0	RLK260323074	RLK260323074RF01	2026/06/24	Original Report	Jojo Lu

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1 General Information

1.1 Product Description for Equipment under Test (EUT)

Applicant	Superior Electronics Corporation.
	No.10, Lane 31, Chongde St., Sinyi District, Taipei City 110, Taiwan (R.O.C.)
Manufacturer	Superior Electronics Corporation.
	No.10, Lane 31, Chongde St., Sinyi District, Taipei City 110, Taiwan (R.O.C.)
Brand(Trade) Name	ENFORCER
Product (Equipment)	Remote Transmitter
Main Model Name	SK-939T2-EN
Series Model Name	SK-939T1-EB SK-939T1-EBU SK-939T2-ENU
HVIN	SK-939T2-EN / SK-939T1-EB / SK-939T1-EBU / SK-939T2-ENU
Model Discrepancy	The major electrical and mechanical constructions of series models are identical to the basic model, except different button with logo, The model SK-939T2-EN is the testing sample, and the final test data are shown on this test report. SK-939T1-EB is one button with logo SK-939T1-EBU is one button without logo SK-939T2-EN is two buttons with logo SK-939T2-ENU is two buttons without logo
Frequency Range	433.92 MHz
Modulation Type	OOK
Number of Channels	1 Channel
Power Operation (Voltage Range)	DC 3V from Battery
Received Date	2026/04/01
Date of Test	2026/04/08~ 2026/06/24

*All measurement and test data in this report was gathered from production sample serial number: RLK260323074-01 signed by BACL, Linkou Laboratory).

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1.2 Objective

This report is prepared on behalf of Superior Electronics Corporation. all test measurements were Part 2-Subpart J, and Part 15 Subparts A and C of the Federal Communication Commission's rules, and RSS-210, Issue 11, June 2024 Amendment of the Innovation, Science and Economic Development Canada, and RSS-Gen Issue 5, February 2021 Amendment 2, General Requirements for Compliance of Radio Apparatus

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices, and RSS-210, Issue 11, June 2024 Amendment of the Innovation, Science and Economic Development Canada, and RSS-Gen Issue 5, February 2021 Amendment 2, General Requirements for Compliance of Radio Apparatus.

1.4 Statement

Decision Rule: No, (The test results do not include MU judgment)

The measurement results in this report were performed at Bay Area Compliance Laboratories Corp. (Linkou Laboratory)

Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
The determination of the test results does not require consideration of the uncertainty of the measurement, unless the assessment is required by customer agreement, regulation or standard document specification. Bay Area Compliance Laboratories Corp. (Linkou Laboratory) is not responsible for the authenticity of the information provided by the applicant that affects the test results.

1.5 Measurement Uncertainty

Parameter	Uncertainty
AC Mains	±3.01 (%)
Unwanted Emissions	±3.42 (dB)
Deactivation Test	±0.22 (ms)
Emissions Bandwidth	±2.34 (%)
Temperature	±1.73 (℃)
Humidity	±0.92 (%)

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1.6 Environmental Conditions

Test Site	Test Date	Temperature (℃)	Relative Humidity (%)	Test Engineer
AC Line Conducted Emissions	N/A	N/A	N/A	N/A
Radiation Spurious Emissions	2026/04/08~2026/04/17	16.5~24.5	48~63	Eden、Derek
Pulse desensitization factor	2026/04/15	25.2	41	Alan
Deactivation Test	2026/04/15	25.2	41	Alan
Emissions Bandwidth	2026/04/15~2026/06/24	24.8	40	Alan

1.7 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Linkou Laboratory) to collect test data is located on

☒ No.6, Wende 2Rd., Guishan Dist., Taoyuan City 33382, Taiwan (R.O.C.).

Bay Area Compliance Laboratories Corp. (Linkou Laboratory) is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3546) and the FCC designation No.TW3546 under the Mutual Recognition Agreement (MRA) in FCC Test.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: TW3546.

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2 System Test Configuration

2.1 Description of Test Configuration

Channel list:

Channel	Frequency (MHz)
1	433.92

2.2 Equipment Modifications

No modification was made to the EUT.

2.3 EUT Exercise Software

No test software was used

2.4 Test Mode

1. Press and hold the button to maintain RF signal transmission.
2. Confirm that the signal is correct.
3. Start the test.

2.5 Support Equipment List and Details

N/A

2.6 External Cable List and Details

N/A

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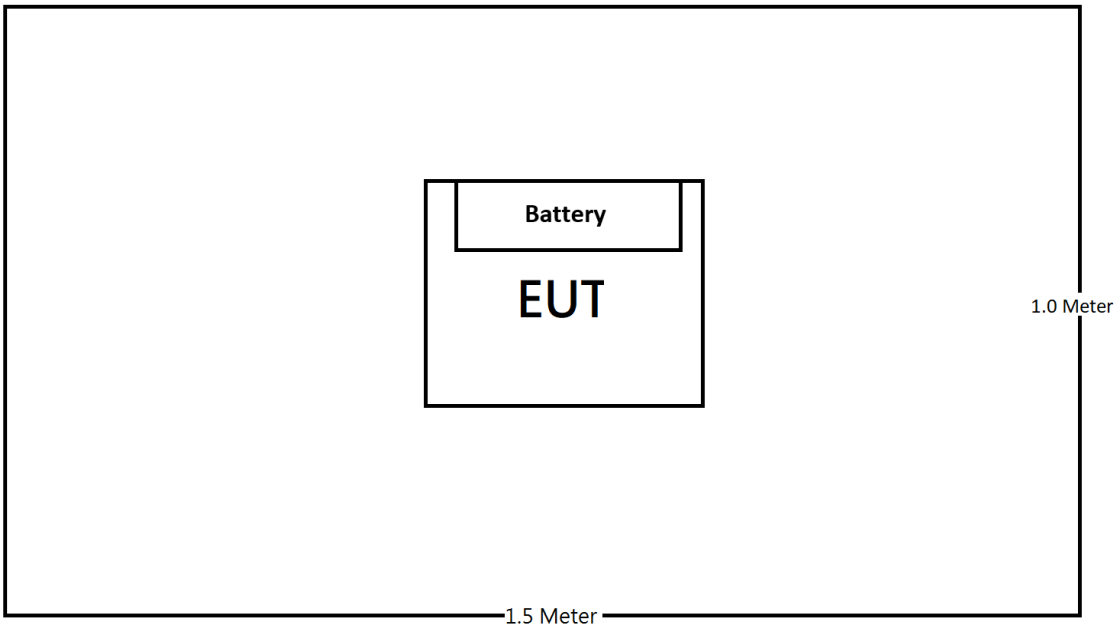
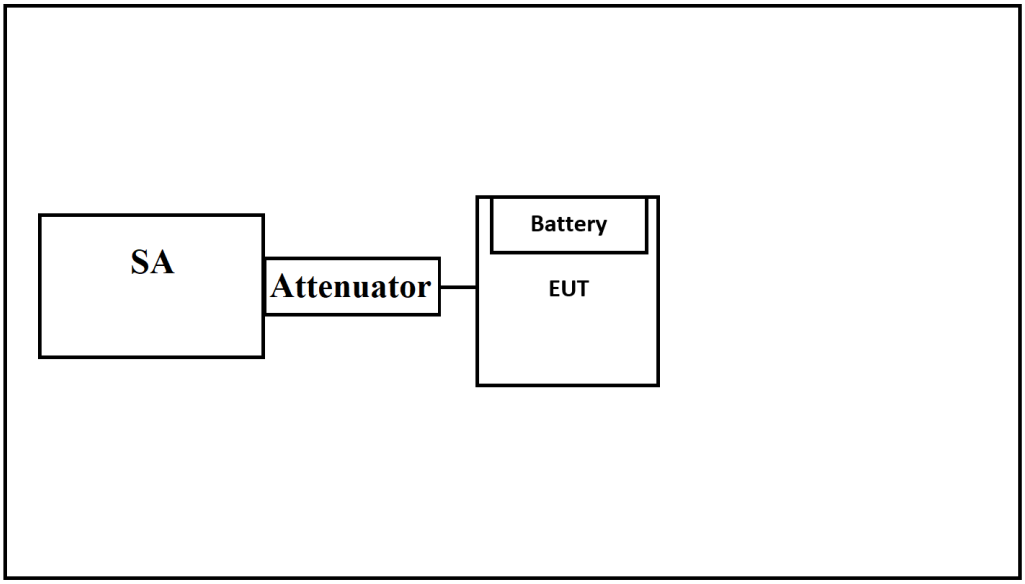
2.7 Block Diagram of Test Setup

See test photographs attached in setup photos for the actual connections between EUT and support equipment.

Radiation:



Conducted:



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2.8 Pulse desensitization factor

Radio Mode (MHz)	On Time (ms)	Period (ms)	Pulse desensitization factor (dB)
433.92	40	100	-7.96

Note:
1. On time = Burst1~41 = 20ms
2. On time = 20 * 2 = 40ms
3. Pulse desensitization factor = 20log(On time/ Period)

433.92 MHz

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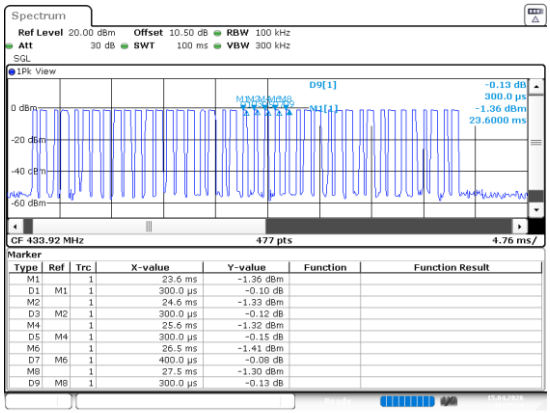

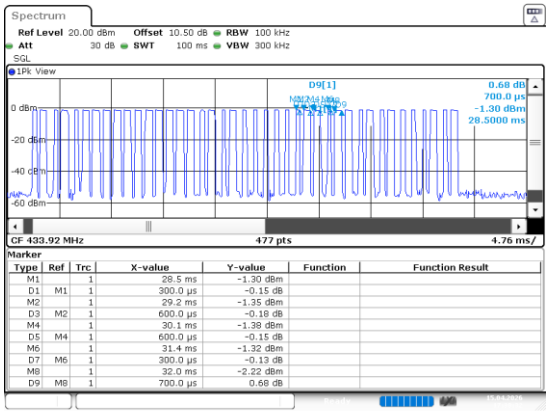

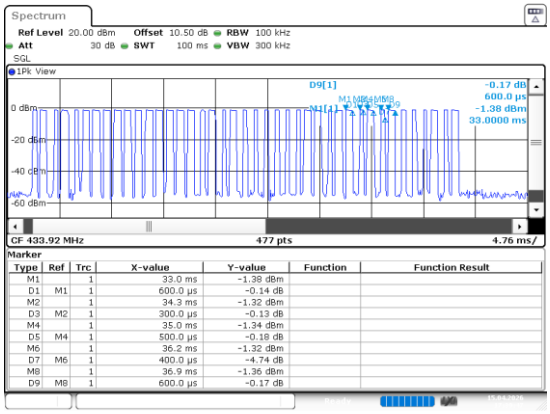

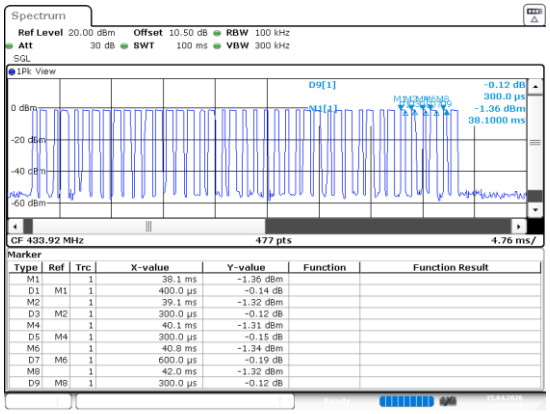

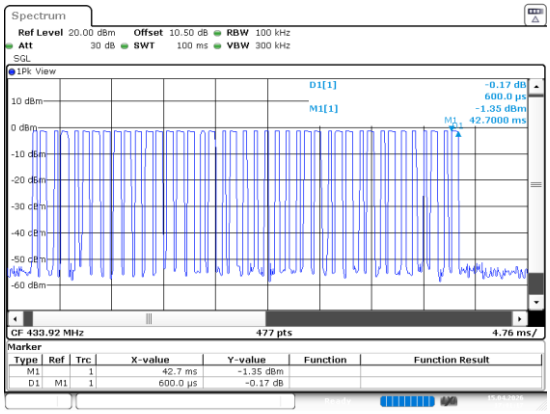

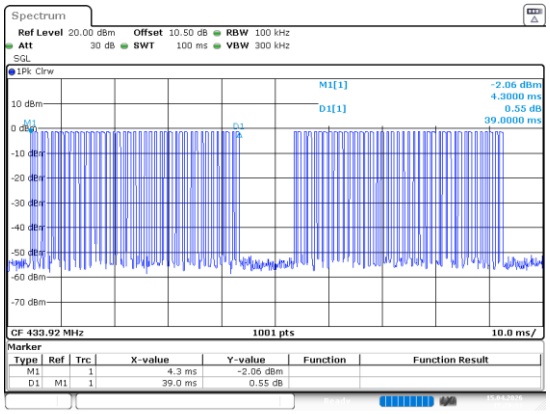

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3 Summary of Test Results

Rules	Description of Test	Results
§15.203 RSS-GEN §6.8	Antenna Requirement	Compliance
§15.207(a) RSS-Gen §8.8	Conducted Emissions	Not applicable
§15.205, §15.209, §15.231(b) RSS-Gen §8.10 RSS-210 Annex A, A.1.3	Radiated Emissions	Compliance
§15.231(a)(1) RSS-210 Annex A, A.1.2	Deactivation Test	Compliance
§15.231(c)	20dB Emission Bandwidth	Compliance
RSS-Gen §6.7 RSS-210 Annex A, A.1.4	99% Occupied Bandwidth	Compliance

Not Applicable: the device was powered by battery.

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4 Test Equipment List and Details

For 9kHz-1GHz：

Description	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Room (966-B)					
Bilog Antenna & 6 dB Attenuator	SUNOL SCIENCES & EMCI	JB3 & N-6-06	A071318 & AT-N0670	2025/08/14	2026/08/14
Active Loop Antenna	ETS-Lindgren	6502	0003-5796	2026/03/30	2027/03/30
30M-18GHz Preamplifier	A.H. Systems	PAM-0118P	479	2025/09/05	2026/09/05
ESR EMI Test Receiver	Rohde & Schwarz	ESR3	102447	2025/12/10	2026/12/10
Spectrum Analyzer	Rohde & Schwarz	FSV40	101456	2025/06/05	2026/06/05
Microflex Cable (2m)	EMCI	EMCI06-SM-SM-2000	180516	2025/08/01	2026/08/01
Microflex Cable (8m)	UTIFLEX	UFA210A-1-3149-300300	MFR 64639 232490-002	2025/08/01	2026/08/01
Microflex Cable (1m)	EMCI	EMCI02-KM-KM-1000	180523	2025/08/01	2026/08/01
Software	AUDIX	E3 V9	E3LK-01	N.C.R	N.C.R

For 1GHz-18GHz：

Description	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Room (966-C)					
Broadband Horn Antenna	Astro Antenna Ltd	AHA-118S	3011	2025/12/17	2026/12/17
1-18GHz Preamplifier	GLOBAL	1313-A0118G	5091032	2025/12/03	2026/12/03
Signal and Spectrum Analyzer	Rohde & Schwarz	FSV40	101457	2025/09/02	2026/09/02
Microflex Cable (2m)	Micro-coax	UFA210B-0-0720-300300	99G1475	2025/09/12	2026/09/12
Microflex Cable (3m)	EMCI	EMC106-SM-SM-3000	180518	2025/09/12	2026/09/12
Microflex Cable (8m)	EMCI	EMC104-3.5M-3.5M-10000	221113	2025/09/12	2026/09/12
Software	AUDIX	E3 V9	E3LK-02	N.C.R	N.C.R

Description	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Room					
Cable	MTJ	MT40S	620620-MT40S-100	2026/01/05	2027/01/05
Signal and Spectrum Analyzer	Rohde & Schwarz	FSV40	101938	2025/12/03	2026/12/03
10dB Attenuator	MTJ Cooperation	MTJ604-10	4	2026/04/07	2027/04/07

***Statement of Traceability:** BACL Corp. attests that all of the calibrations on the equipment items listed above were traceable to the SI System of Units via the R.O.C. Center for Measurement Standards of the Electronics Testing Center, Taiwan (ETC) or to another internationally recognized National Metrology Institute (NMI), and were compliant with the current Taiwan Accreditation Foundation (TAF) requirements*

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5 FCC §15.203 & RSS-GEN §6.8 – Antenna Requirements

5.1 Applicable Standard

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used.

According to RSS-Gen §6.8, The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer. The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested. For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

5.2 Antenna Connected Construction

Manufacturer	Model	Antenna Type
Superior Electronics Corporation.	SK-939T2-EN / SK-939T1-EB	On Board PCB Antenna

Please refer to the antenna specification for detailed information.

Result: Compliant.

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6 FCC §15.207(a) & RSS-GEN §8.8 – AC Line Conducted Emissions

6.1 Applicable Standard

According to §15.207

For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequencies ranges.

According to RSS-GEN §8.8

Unless stated otherwise in the applicable RSS, for radio apparatus that are designed to be connected to the public utility AC power network, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the range 150 kHz to 30 MHz shall not exceed the limits in table 4, as measured using a 50 μH / 50 Ω line impedance stabilization network. This requirement applies for the radio frequency voltage measured between each power line and the ground terminal of each AC power-line mains cable of the EUT.

For an EUT that connects to the AC power lines indirectly, through another device, the requirement for compliance with the limits in table 4 shall apply at the terminals of the AC power-line mains cable of a representative support device, while it provides power to the EUT. The lower limit applies at the boundary between the frequency ranges. The device used to power the EUT shall be representative of typical applications.

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56 Note 1	56 to 46 Note 1
0.5-5	56	46
5-30	60	50

Note 1: Decreases with the logarithm of the frequency.

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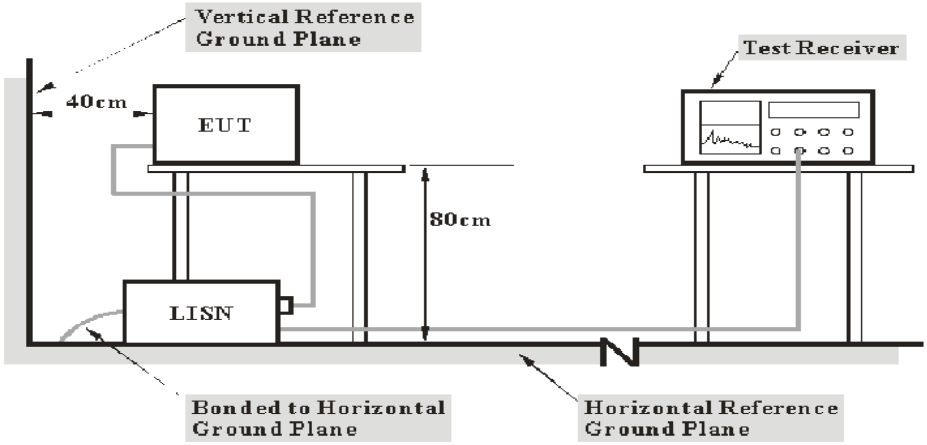
6.2 EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 measurement procedure. The specification used was with the FCC Part 15.207 and RSS-GEN limits.

6.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150kHz to 30MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations

Frequency Range	IF B/W
150kHz – 30MHz	9kHz

6.4 Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

6.5 Corrected Factor & Margin Calculation

The factor is calculated by adding LISN/ISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Factor = LISN VDF + Cable Loss + Transient Limiter Attenuation

The “Over Limit” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of -7 dB means the emission is 7 dB below the limit. The equation for Over Limit calculation is as follows:

Over Limit = Level – Limit Line

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6.6 Test Results

The subject sample is only employing battery power for operation. Therefore, this test is not applicable.

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7 FCC §15.209, §15.205 , §15.231(b) & RSS-210 Annex A.1.3, RSS-GEN §8.10 – Radiated Emissions

7.1 Applicable Standard

FCC §15.205, §15.209, §15.231 (b)

According to FCC §15.231(b), the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emission (microvolts/meter)
40.66 – 40.70	2250	225
70 – 130	1250	125
130 – 174	1250 to 3750 **	125 to 375 **
174 – 260	3750	375
260 – 470	3750 to 12500 **	375 to 1250 **
Above 470	12500	1250

**: Linear interpolations.

(1) The above field strength limits are specified at a distance of 3 meters. The tighter limits apply at the band edges.

(2) Intentional radiators operating under the provisions of this section shall demonstrate compliance with the limits on the field strength of emissions, as shown in the above table, based on the average value of the measured emissions. As an alternative, compliance with the limits in the above table may be based on the use of measurement instrumentation with a CISPR quasi-peak detector. The specific method of measurement employed shall be specified in the application for equipment authorization. If average emission measurements are employed, the provisions in §15.35 for averaging pulsed emissions and for limiting peak emissions apply. Further, compliance with the provisions of §15.205 shall be demonstrated using the measurement instrumentation specified in that section.

(3) The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in §15.209, whichever limit permits a higher field strength.

As per FCC §15.209(a): Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (micro volts/meter)	Measurement Distance (meters)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30

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RSS-210, Annex A, A.1.3

Following are the requirements for field strength of emissions:

(a) The field strength of emissions from momentarily operated intentional radiators shall not exceed the limits in table A1, based on the average value of the measured emissions. The requirements of the "Pulsed operation" section of RSS-Gen apply for averaging pulsed emissions and limiting peak emissions.

Alternatively, compliance with the limits in table A1 may be demonstrated using an International Special Committee on Radio Interference (CISPR) quasi-peak detector.

(b) Unwanted emissions shall be 10 times below the fundamental emissions field strength limits in table A1 or comply with the limits specified in RSS-Gen, whichever is less stringent.

Table A1 — Permissible field strength limits for momentarily operated devices

Fundamental frequency (MHz), excluding restricted frequency bands specified in RSS-Gen	Field strength of the fundamental emissions (μV/m at 3 m)
70-130	1,250
130-174	1,250 to 3,750*
174-260**	3,750
260-470**	3,750 to 12,500*
Above 470	12,500

* Linear interpolation with frequency, f, in MHz:

For 130-174 MHz: Field Strength (μV/m) = (56.82 x f)-6136

For 260-470 MHz: Field Strength (μV/m) = (41.67 x f)-7083

** Frequency bands 225-328.6 MHz and 335.4-399.9 MHz are designated for the exclusive use of the Government of Canada. Manufacturers should be aware of possible harmful interference and degradation of their licence-exempt radio equipment in these frequency bands.

As per RSS-GEN §8.9: Except where otherwise indicated in the applicable RSS, radiated emissions shall comply with the field strength limits shown in table 6. Additionally, the level of any transmitter unwanted emission shall not exceed the level of the transmitter's fundamental emission.

Table 6 – General field strength limits at frequencies below 30 MHz

Frequency (MHz)	Field Strength (H-Field) (μA/m)	Measurement distance (m)
9 - 490 kHz[Note 1]	6.37/F (F in kHz)	300
490 - 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30 MHz	0.08	30

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

Note 2: The limit was added 51.5dB to convert the limit from dBuA/m to dBuV/m.

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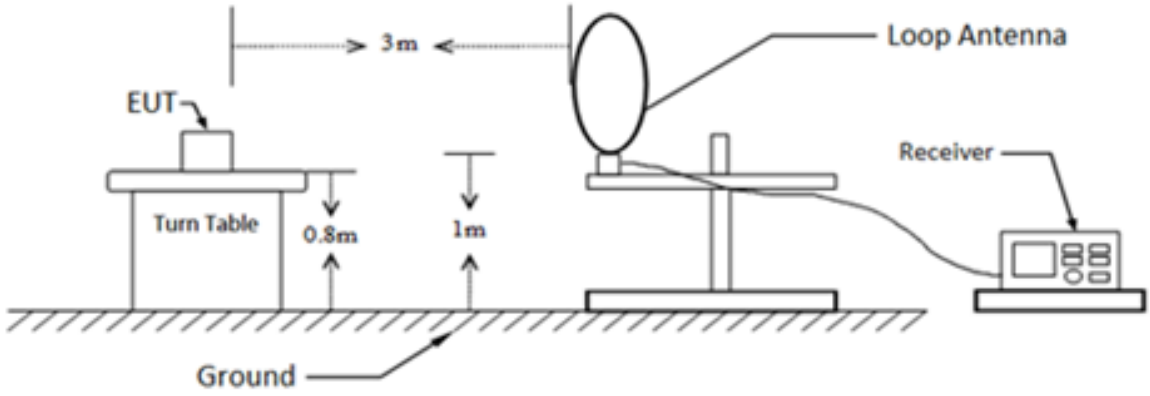
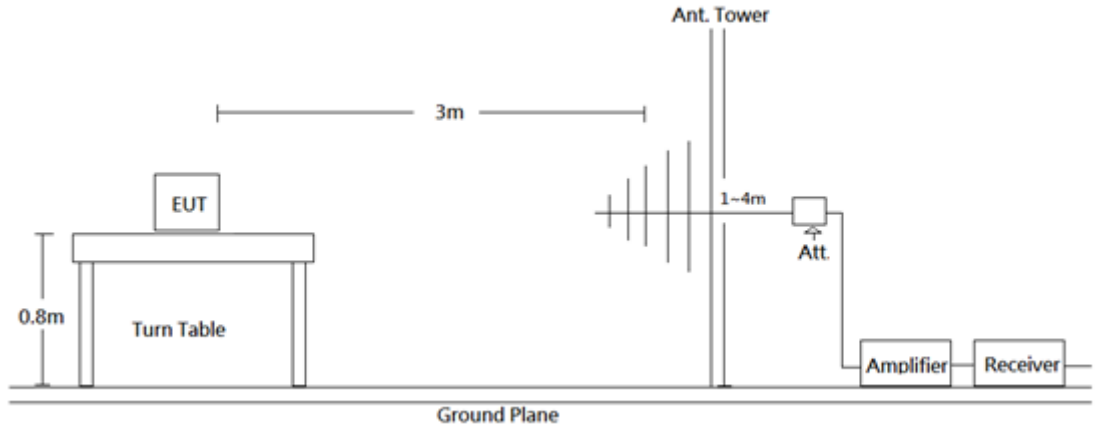
7.2 EUT Setup

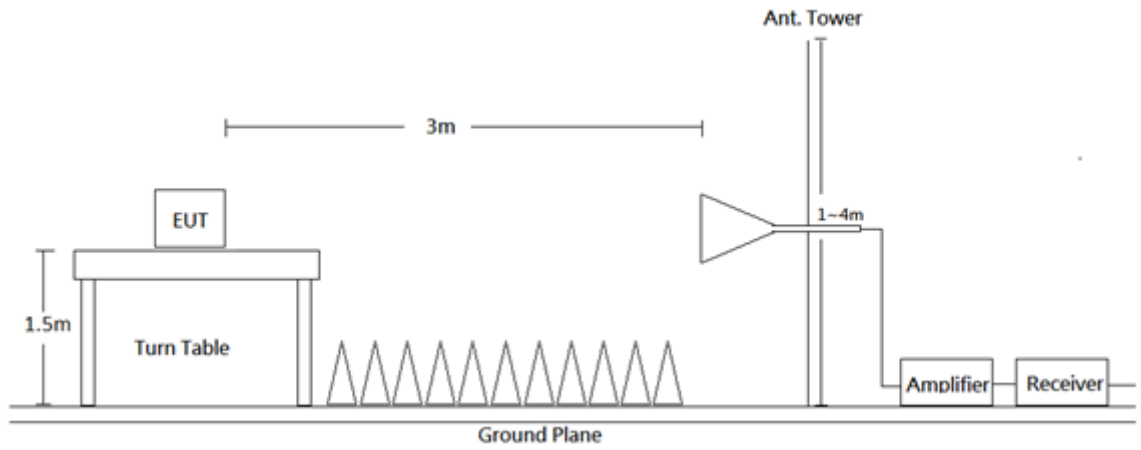
9kHz-30MHz:



30MHz- 1GHz:



Above 1 GHz:



Radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024. The specification used was the FCC Part 15.209 and FCC 15.231 and RSS-Gen and RSS-210 Limits.

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7.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 18 GHz. During the radiated emission test, the EMI test receiver was set with the following configurations measurement method 6.3 in ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024.

Frequency Range	RBW	VBW	Detector
9 kHz - 150 kHz	200 Hz/300 Hz	1 kHz	QP/AV
150 kHz - 30 MHz	9 kHz/10 kHz	30 kHz	QP/AV
30-1000 MHz	100 kHz	300 kHz	QP
Above 1 GHz	1 MHz	3 MHz	PK

7.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

7.5 Corrected Factor & Margin Calculation

The Correct Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

Margin = Result – Limit

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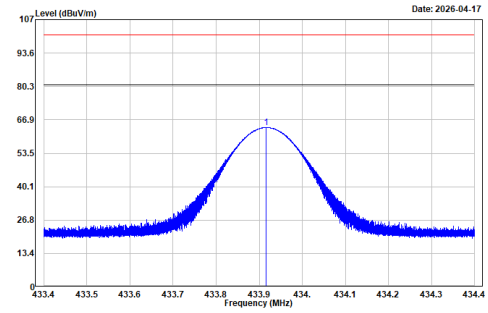
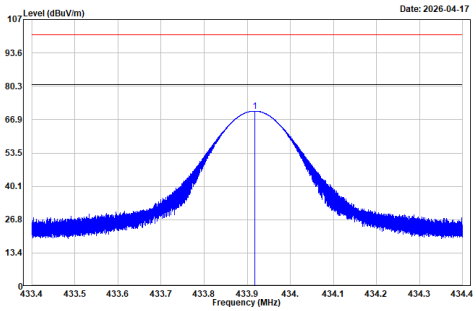
7.6 Test Results

Test Mode: Transmitting

(Pre-scan with three orthogonal axis, and worst case as Y axis.)

Fundamental

Horizontal	Vertical
	

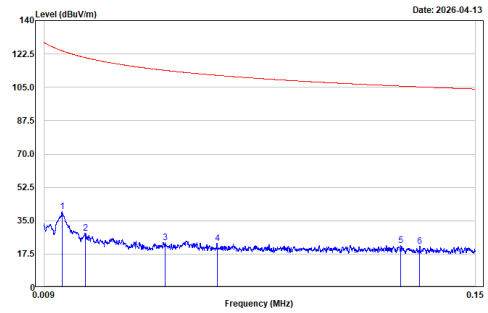
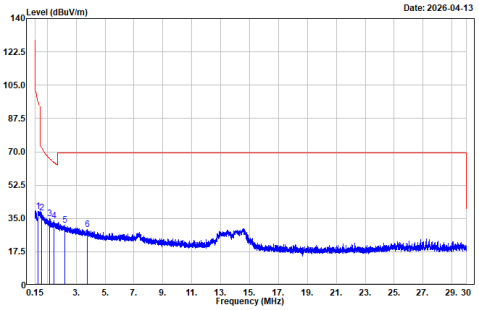
Site : 966B Chamber
Condition: 3m Horizontal
Memo : 433.92M TX
Job No : RLK260323074
Model : SK-939T2-EN
Power : 3Vdc
Tester : Eden
Temp./ Hum.: 22.2℃/48%
Memo : RBW/VBW: PK:100k/300k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	433.916	73.25	-9.40	63.85	100.82	-36.97	Peak

Site : 966B Chamber
Condition: 3m Vertical
Memo : 433.92M TX
Job No : RLK260323074
Model : SK-939T2-EN
Power : 3Vdc
Tester : Eden
Temp./ Hum.: 22.2℃/48%
Memo : RBW/VBW: PK:100k/300k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	433.917	79.72	-9.40	70.32	100.82	-30.50	Peak

(Pre-scan using three directional polarities, worst case as parallel.)

9k-150k	150k-30M
	

Site : 966B Chamber
Condition: 3m
Memo : 433.92M-TX
Job No : RLK260323074
Model : SK-939T2-EN
Power : 3Vdc
Tester : Eden
Temp./ Hum.: 24.5℃/49%
Memo : RBW/VBW: QP:300Hz/1k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.015	25.01	14.67	39.68	124.18	-84.50	QP
2	0.023	14.48	14.08	28.56	120.56	-92.00	QP
3	0.049	10.71	12.91	23.62	113.87	-90.25	QP
4	0.066	12.08	11.20	23.28	111.27	-87.99	QP
5	0.126	10.52	11.31	21.83	105.62	-83.79	QP
6	0.132	10.29	11.35	21.64	105.21	-83.57	QP

Site : 966B Chamber
Condition: 3m
Memo : 433.92M-TX
Job No : RLK260323074
Model : SK-939T2-EN
Power : 3Vdc
Tester : Eden
Temp./ Hum.: 24.5℃/49%
Memo : RBW/VBW: QP:10k/30k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	0.374	27.07	11.67	38.74	96.15	-57.41	QP
2	0.622	26.15	11.65	37.80	71.73	-33.93	QP
3	1.148	23.51	11.45	34.96	66.41	-31.45	QP
4	1.444	22.20	11.39	33.59	64.41	-30.82	QP
5	2.204	20.05	11.26	31.31	69.54	-38.23	QP
6	3.746	18.33	11.05	29.38	69.54	-40.16	QP

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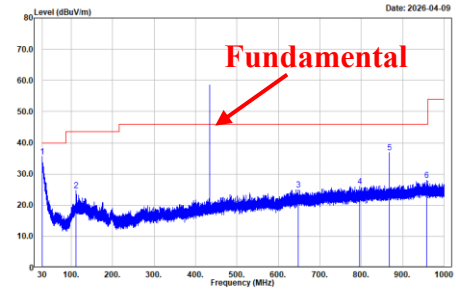
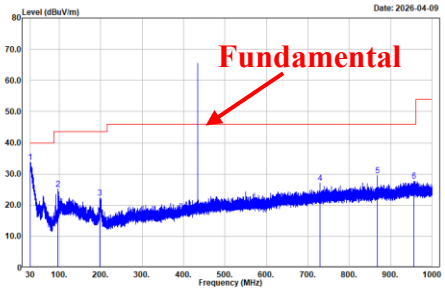
30M~1GHz

Horizontal	Vertical
	

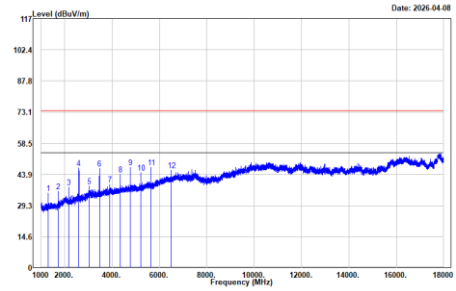
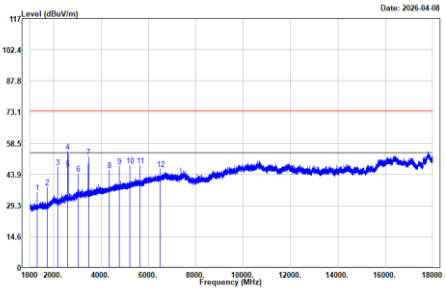
Site : 966B Chamber
Condition: 3m horizontal
Memo : 433.92M TX
Job No : RLK260323074
Model : SK-939T2-EN
Power : 3Vdc
Tester : Eden
Temp./ Hum.: 22.2℃/48%
Memo : RBW/VBW: PK:100k/300k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	30.388	38.64	-3.04	35.60	40.00	-4.40	QP
2	111.383	37.87	-13.10	24.77	43.50	-18.73	QP
3	647.179	30.46	-5.57	24.89	46.00	-21.11	QP
4	796.397	29.67	-3.71	25.96	46.00	-20.04	QP
5	867.854	39.82	-2.99	36.83	46.00	-9.17	QP
6	956.803	29.70	-1.64	28.06	46.00	-17.94	QP

Site : 966B Chamber
Condition: 3m vertical
Memo : 433.92M TX
Job No : RLK260323074
Model : SK-939T2-EN
Power : 3Vdc
Tester : Eden
Temp./ Hum.: 22.2℃/48%
Memo : RBW/VBW: PK:100k/300k

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	30.970	37.14	-3.31	33.83	40.00	-6.17	QP
2	97.738	41.34	-16.19	25.15	43.50	-18.35	QP
3	198.683	35.78	-13.48	22.30	43.50	-21.20	QP
4	729.532	31.49	-4.46	27.03	46.00	-18.97	QP
5	867.854	32.50	-2.99	29.51	46.00	-16.49	QP
6	956.350	29.44	-1.63	27.81	46.00	-18.19	QP

1GHz~18GHz

Horizontal	Vertical
	

Site : 966C Chamber
Condition : 3m horizontal
Memo : 433.92M-TX
Job No : RLK260323074
Model : SK-939T2-EN
Power : 3Vdc
Tester : Derek
Temp./ Hum.: 16.5℃/63%
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	1301.760	51.61	-16.52	35.09	74.00	-38.91	Peak
2	1735.680	51.00	-14.99	36.01	74.00	-37.99	Peak
3	2169.600	49.87	-12.00	37.87	74.00	-36.13	Peak
4	2603.520	56.12	-9.16	46.96	74.00	-27.04	Peak
5	3037.440	44.73	-6.20	38.53	74.00	-35.47	Peak
6	3471.360	52.18	-5.55	46.63	74.00	-27.37	Peak
7	3905.280	43.40	-4.12	39.28	74.00	-34.72	Peak
8	4339.200	47.29	-3.43	43.86	74.00	-30.14	Peak
9	4773.120	49.71	-2.51	47.20	74.00	-26.80	Peak
10	5207.040	45.95	-1.15	44.80	74.00	-29.20	Peak
11	5640.960	47.47	-0.37	47.10	74.00	-26.90	Peak
12	6508.800	43.45	2.32	45.77	74.00	-28.23	Peak

Site : 966C Chamber
Condition : 3m vertical
Memo : 433.92M-TX
Job No : RLK260323074
Model : SK-939T2-EN
Power : 3Vdc
Tester : Derek
Temp./ Hum.: 16.5℃/63%
Memo : RBW/VBW: PK:1M/3M

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	
1	1301.760	51.86	-16.52	35.34	74.00	-38.66	Peak
2	1735.680	52.87	-14.99	37.88	74.00	-36.12	Peak
3	2169.600	59.36	-12.00	47.36	74.00	-26.64	Peak
4	2603.520	63.92	-9.16	54.76	74.00	-19.24	Peak
5	2603.520	55.96	-9.16	46.80	54.00	-7.20	Average
6	3037.440	50.50	-6.20	44.30	74.00	-29.70	Peak
7	3471.360	57.68	-5.55	52.13	74.00	-21.87	Peak
8	4339.200	49.17	-3.43	45.74	74.00	-28.26	Peak
9	4773.120	50.36	-2.51	47.85	74.00	-26.15	Peak
10	5207.040	49.09	-1.15	47.94	74.00	-26.06	Peak
11	5640.960	48.51	-0.37	48.14	74.00	-25.86	Peak
12	6508.800	43.98	2.32	46.30	74.00	-27.70	Peak

Note：Average = Peak - Pulse desensitization factor

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8 FCC §15.231(a)(1) & RSS-210 Annex A, A1.2(a) – Deactivation Testing

8.1 Applicable Standard

Per FCC §15.231(a) (1), A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released

RSS-210, Annex A, A.1.2(a)

A manually operated transmitter shall be equipped with a push-to-operate switch and be under manual control at all times during transmission. When released, the transmitter shall cease transmission within no more than 5 seconds of being released

8.2 Test Procedure

1. The EUT was configured for conducted measurements by connecting its RF output port directly to the spectrum analyzer through a coaxial cable and an attenuator.
2. Set center frequency of spectrum analyzer=operating frequency.
3. Set the spectrum analyzer as RBW=100k VBW=300k Span=0Hz.
4. Repeat above procedures until all frequency measured was complete.

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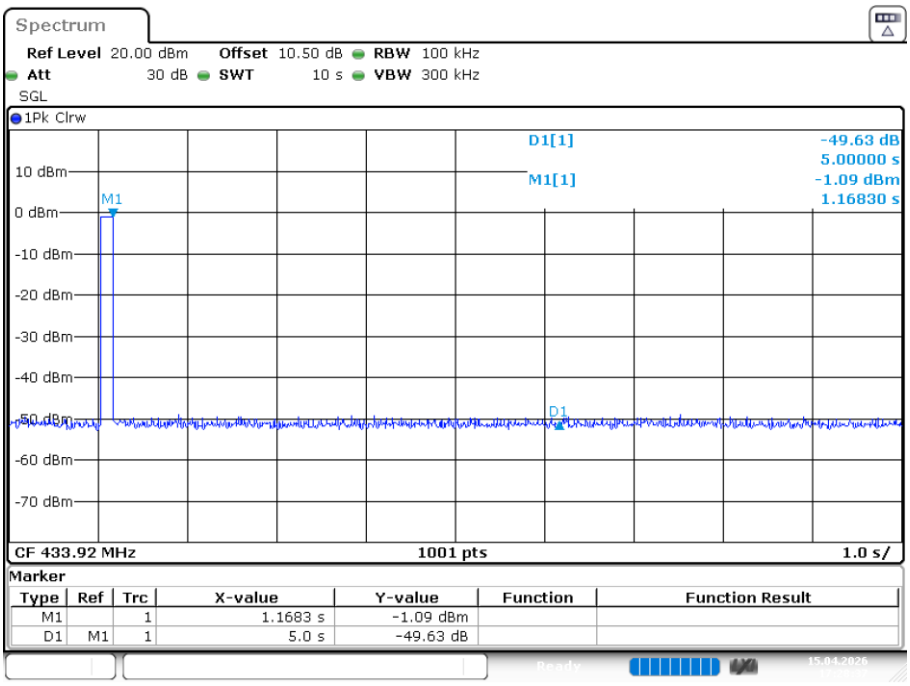
8.3 Test Results

Test mode: Transmitting



ProjectNo.:RLK260323074 Tester:Alan Huang

Date: 15.APR.2026 17:28:38

Result: Compliant.

9. FCC §15.231(c) & RSS-210 Annex A, A.1.4, RSS-GEN § 6.7 – 20 dB Emission Bandwidth & 99% Occupied Bandwidth

9.1 Applicable Standard

Per 15.231(c), The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

According to RSS-210 Annex A A.1.4:

The occupied bandwidth of momentarily operated devices shall be less than or equal to 0.25% of the centre frequency for devices operating between 70 MHz and 900 MHz. For devices operating above 900 MHz, the occupied bandwidth shall be less than or equal to 0.5% of the centre frequency.

According to RSS-Gen §6.7:

The occupied bandwidth or the "99% emission bandwidth" is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

In some cases, the "x dB bandwidth" is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated x dB below the maximum inband power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth: The transmitter shall be operated at its maximum carrier power measured under normal test conditions.

The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span. The detector of the spectrum analyzer shall be set to "Sample". However, a peak, or peak hold,

may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or "Max Hold") may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.

The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value. Video averaging is not permitted.

Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.

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9.2 Test Procedure

The spectrum analyzer was connected directly to the EUT antenna port, and plot the 20 dB bandwidth.

For the 99% emission bandwidth, the trace data points are recovered and directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99% emission bandwidth).

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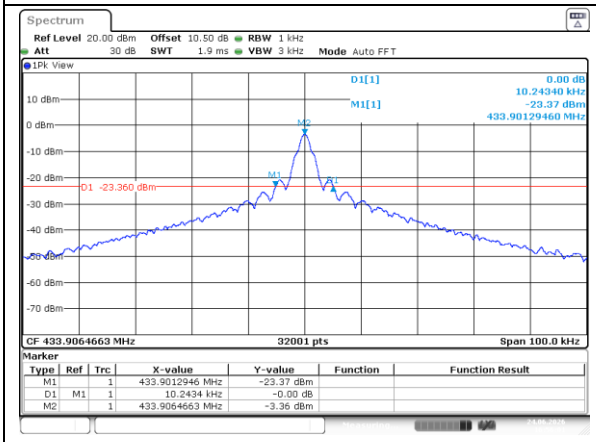
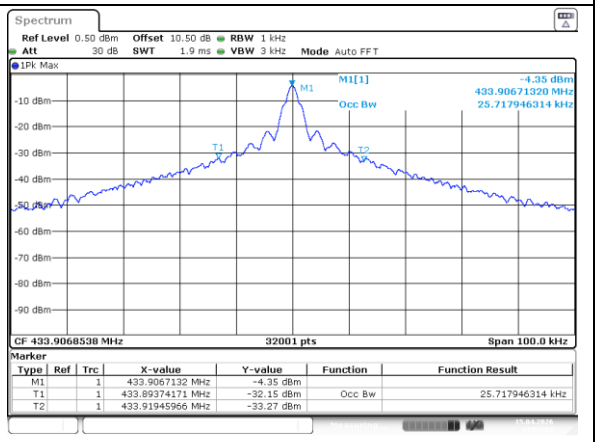
9.3 Test Results

Frequency (MHz)	20 dB Emission Bandwidth (kHz)	99% Bandwidth (kHz)	Limit (kHz)	Result
433.92	10.24	25.72	1084.75	Compliance

Note: Limit = 0.25% * Center Frequency = 0.25% * 433.92 MHz = 1084.75 kHz

20 dB Emission Bandwidth	99% Emission Bandwidth
	

******* END OF REPORT *******

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