

**FCC/ISED TEST REPORT**Report Number : **709502403357-00C**Date of Issue: April 11, 2025

Model : MT01-5325-069101, MT01-5325-069102, MT01-5325-069101-CT,  
MT01-5325-069102-CT, MT01-5325-069001, MT01-5325-069002,  
MT01-5325-069001-CT, MT01-5325-069002-CT, MT01-5325-069003,  
MT01-5325-069004, MT01-5325-069003-CT, MT01-5325-069004-CT,  
MT01-5328-069002, MT01-5328-069001, MT01-5328-069002-CT,  
MT01-5328-069001-CT

Product Type : ARC PRO LI-ION TUBULAR MOTORApplicant : Rollease Acmeda IncAddress : 7th Floor / 750 East Main Street, Stamford, CT 06902, USAManufacturer : Rollease Acmeda IncAddress : 7th Floor / 750 East Main Street, Stamford, CT 06902, USATest Result : ☒ **Positive** ☐ **Negative**Total pages including  
Appendices : 25

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1 Table of Contents

1 Table of Contents.....2

2 Report Modification Record .....3

3 Details about the Test Laboratory .....3

4 Description of the Equipment Under Test .....4

5 Summary of Test Standards .....5

6 Summary of Test Results .....6

7 General Remarks.....7

8 Systems test configuration .....8

9 Test Setups.....9

10 Test Methodology .....11

10.1 Conducted Emission.....11

10.2 Radiated Emission.....16

10.3 Bandwidth Measurement .....21

10.4 Deactivation Time.....23

11 Test Equipment List.....24

12 System Measurement Uncertainty .....25



## 2 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
709502403357-00C	First Issue	04/11/2025

## 3 Details about the Test Laboratory

### Test Site 1

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch  
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FCC Designation Number: CN1183

ISED CAB identifier: CN0101

IC Registration No.: 31668

#### 4 Description of the Equipment Under Test

Product: ARC PRO LI-ION TUBULAR MOTOR

Model no./HVIN/PMN: MT01-5325-069101, MT01-5325-069102, MT01-5325-069101-CT, MT01-5325-069102-CT, MT01-5325-069001, MT01-5325-069002, MT01-5325-069001-CT, MT01-5325-069002-CT, MT01-5325-069003, MT01-5325-069004, MT01-5325-069003-CT, MT01-5325-069004-CT, MT01-5328-069002, MT01-5328-069001, MT01-5328-069002-CT, MT01-5328-069001-CT

FCC ID: 2AGGZ003B9ACA5B

IC: 21769-003B9ACA5B

Rating: USB input 5V

RF Transmission Frequency: 2402~2480 MHz (BLE); 433.92MHz

No. of Operated Channel:

Bluetooth Low Energy							
Ch	Fre(MHz)	Ch	Fre(MHz)	Ch	Fre(MHz)	Ch	Fre(MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

Modulation: 2.4GHz BLE: GFSK, 433.92MHz: GFSK

Antenna Type: Chip antenna for 2.4GHz, Line antenna for 433.92MHz

Antenna Gain: 2.62dBi for 2.4GHz; -3.89dBi for 433.92MHz

Description of the EUT: The Equipment Under Test (EUT) was an ARC PRO LI-ION TUBULAR MOTOR which support BLE and 433.92MHz transmit function. All products are identical in electrical and mechanical construction except for the model number, rotate speed, torque and dimension. In addition, the 5325 series and 5328 series use the different inside motor and this different will not affect the RF testing. So, we chose model MT01-5328-069002 to perform all tests.

Test sample no.: SHA-859528-1 (Radiated and Conducted sample)

The sample's mentioned in this report is/are submitted/ supplied/ manufactured by client. The laboratory therefore assumes no responsibility for accuracy of information on the brand name, model number, origin of manufacture, consignment or any information supplied.



5 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart C	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators
RSS-Gen Issue 5 Amendment 2 February 2021	General Requirements for Compliance of Radio Apparatus
RSS-210 Issue 11 June 25, 2024	RSS-210 — License-exempt Radio Apparatus: Category I Equipment

All the test methods were according to ANSI C63.10-2013.

## 6 Summary of Test Results

Technical Requirements					
FCC Part 15 Subpart C, RSS-210 Issue 11					
Test Condition			Pages	Test Site	Test Result
§15.207	RSS-GEN A8.8	Conducted emission AC power port	11-15	Shield room	Pass
§15.205, §15.209, 15.35 (c)§15.231(b)	RSS-210 A.1.3	Radiated Emission, 30MHz to 4.5GHz	16-20	3m chamber	Pass
§15.231(c)	RSS-210 A.1.4	Bandwidth Measurement	21-22	Shield room	Pass
§15.231(a)(1)	RSS-210 A.1.2(a)	Deactivation Time	23	Shield room	Pass
§15.203	RSS-Gen 6.8	Antenna requirement	--	See Note 1	Pass

Note 1: The EUT uses a chip and line antenna, which gain is 2.62dBi for 2.4GHz and -3.89dBi for 433.92MHz. In accordance to §15.203 and RSS-Gen 6.8, It is considered sufficiently to comply with the provisions of this section.

## 7 General Remarks

### Remarks

This submittal(s) (test report) is intended for FCC ID: 2AGGZ003B9ACA5B, IC: 21769-003B9ACA5B complies with Section 15.207, 15.205, 15.209, 15.231 of the FCC Part 15, Subpart C Rules. RSS-Gen Issue 5 and RSS-210 issue 11.

This report is only for 433.92MHz, for 2.4GHz BLE refer to report No.709502403357-00B.

### SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

The Equipment Under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: October 17,2024

Testing Start Date: October 18,2024

Testing End Date: November 17,2024

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch

Reviewed by:

Prepared by:

Tested by:



Hui TONG  
EMC Section Manager

Jiaxi XU  
EMC Project Engineer

Tianji XU  
EMC Test Engineer



## 8 Systems test configuration

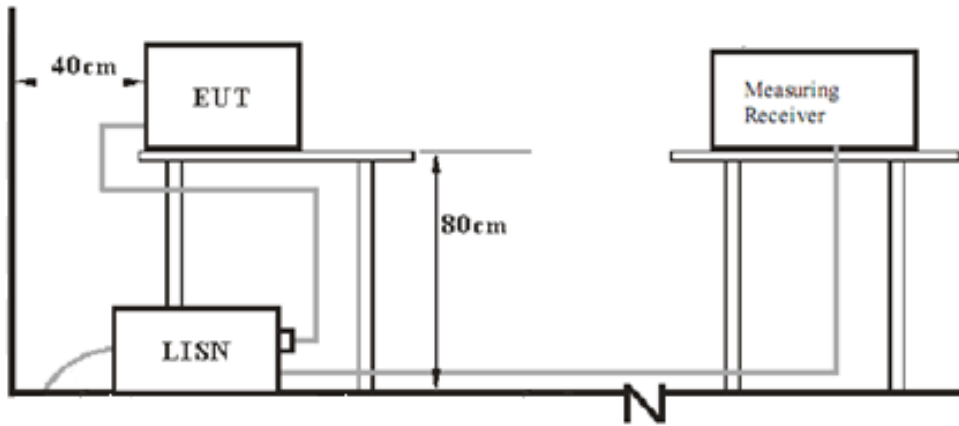
Auxiliary Equipment Used during Test:

DESCRIPTION	MANUFACTURER	MODEL NO.(SHIELD)	S/N(LENGTH)
Notebook	Lenove	E470	PF-OU5TS7 17/09



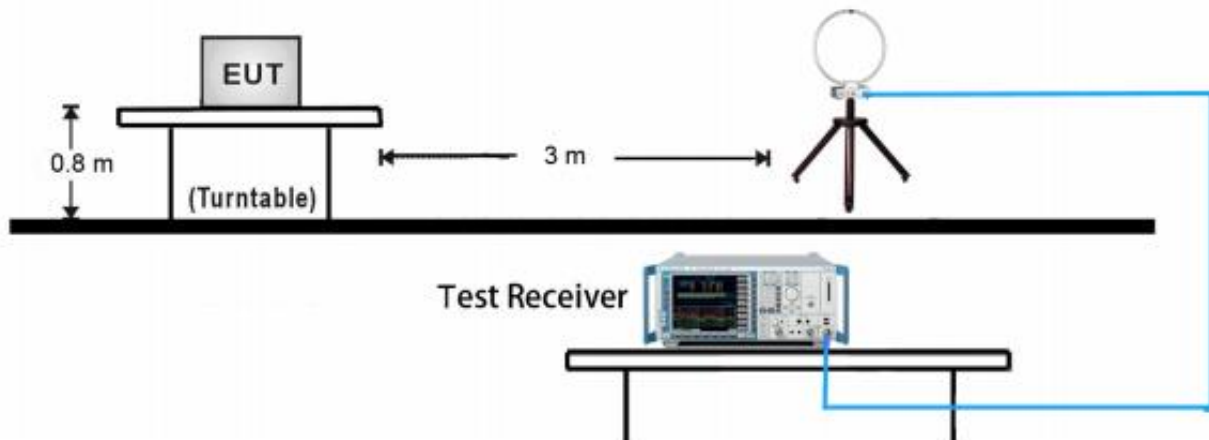
## 9 Test Setups

### 8.1 AC Power Line Conducted Emission test setups

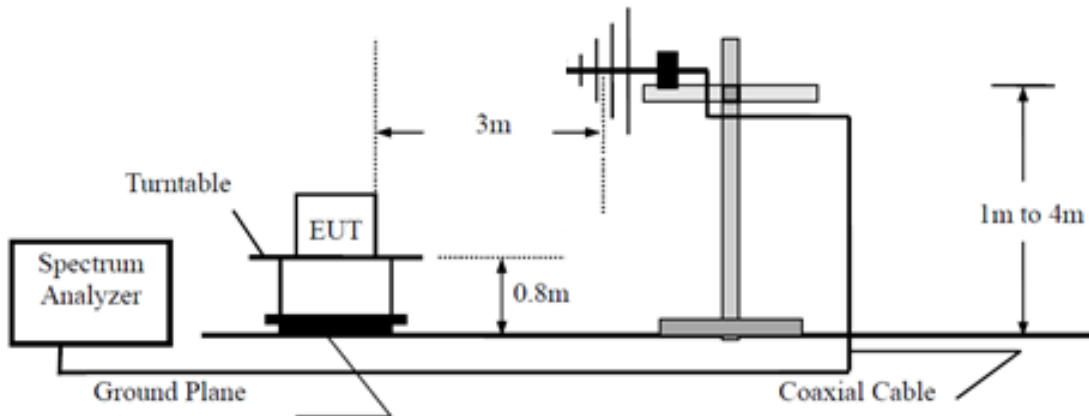


### 8.2 Radiated test setups

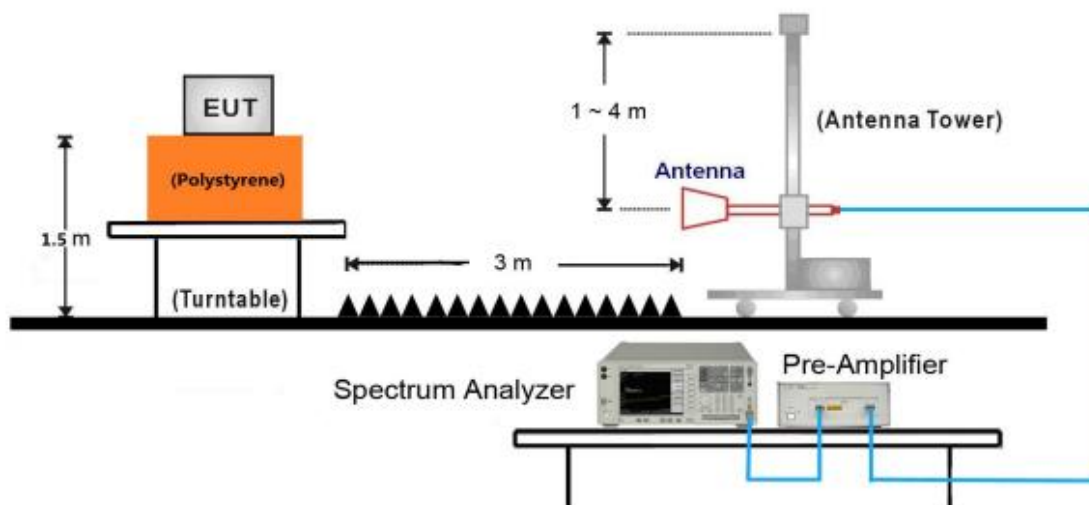
9kHz ~ 30MHz Test Setup:



### 30MHz ~ 1GHz Test- Setup



### 1GHz ~ 18GHz Test Setup:



## 10 Test Methodology

### 10.1 Conducted Emission

#### Test Method

1. The EUT was placed on a table, which is 0.8m above ground plane
2. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
3. Maximum procedure was performed to ensure EUT compliance
4. A EMI test receiver is used to test the emissions from both sides of AC line

#### Limit

According to §15.207 & RSS-GEN Issue 5 8.8, conducted emissions limit as below:

Frequency MHz	QP Limit dB $\mu$ V	AV Limit dB $\mu$ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

Decreasing linearly with logarithm of the frequency

## Conducted Emission

# 150k-30MHz Conducted Emission Test

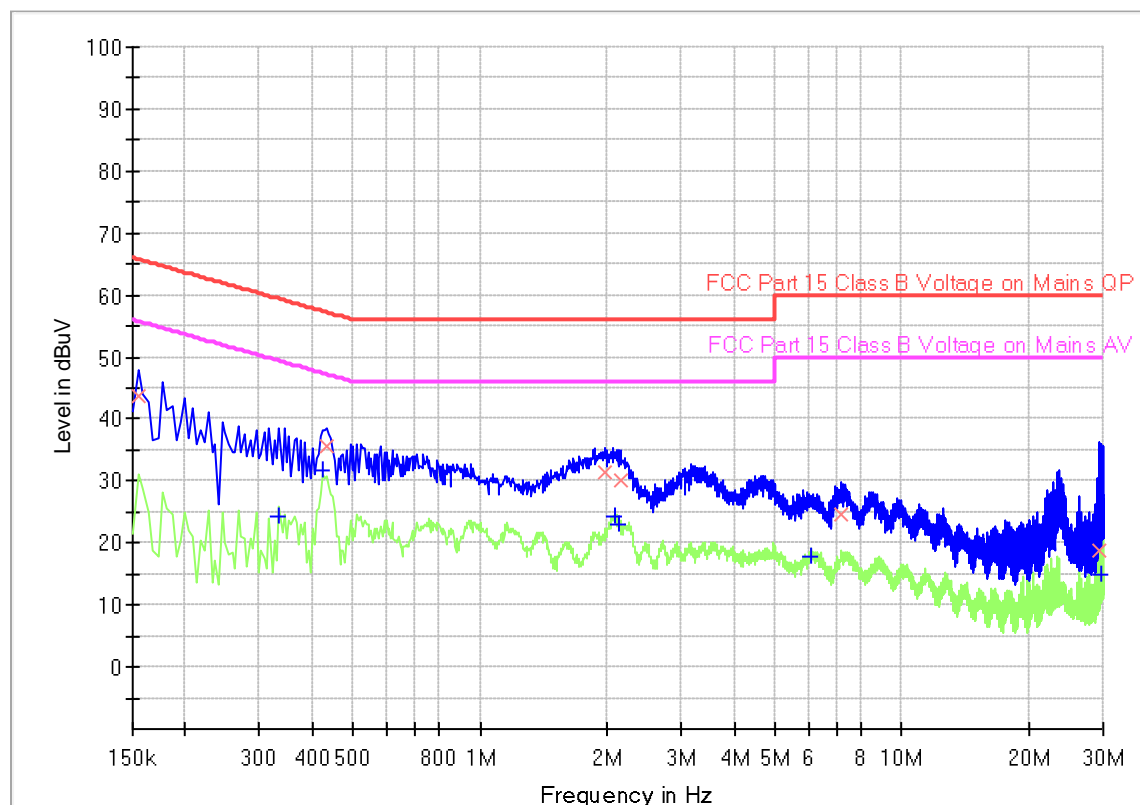
## EUT Information

EUT Name: ARC PRO LI-ION TUBULAR MOTOR  
 Model: MT01-5328-069002  
 Client: Rollease Acmeda Inc  
 Op Cond: AC 120V,60Hz, charging and TX at 433.92MHz  
 Operator: Tianji Xu  
 Standard: FCC Part 15.207(a)  
 Comment: Horizontal  
 Sample No.: SHA-859528-2

## Scan Setup: Voltage with 2-Line-LISN pre [EMI conducted]

Hardware Setup: Voltage with 2-Line-LISN  
 Receiver: [ESR 3]  
 Level Unit: dBuV

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	100 Hz	PK+	200 Hz	0.02 s	0 dB
150 kHz - 30 MHz	4.5 kHz	PK+; AVG	9 kHz	0.01 s	0 dB



**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.154500	43.57	---	65.75	22.18	1000.0	9.000	L1	19.5
0.334500	---	24.14	49.34	25.20	1000.0	9.000	L1	19.5
0.424500	---	31.59	47.36	15.77	1000.0	9.000	L1	19.5
0.433500	35.60	---	57.19	21.59	1000.0	9.000	L1	19.5
1.972500	31.45	---	56.00	24.55	1000.0	9.000	L1	19.5
2.076000	---	24.16	46.00	21.84	1000.0	9.000	L1	19.5
2.139000	---	22.88	46.00	23.12	1000.0	9.000	L1	19.5
2.148000	30.19	---	56.00	25.81	1000.0	9.000	L1	19.5
6.103500	---	17.97	50.00	32.03	1000.0	9.000	L1	19.6
7.174500	24.46	---	60.00	35.54	1000.0	9.000	L1	19.7
29.472000	18.67	---	60.00	41.33	1000.0	9.000	L1	21.0
29.814000	---	15.00	50.00	35.00	1000.0	9.000	L1	21.0

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB) + 10dB Attenuator

# 150k-30MHz Conducted Emission Test

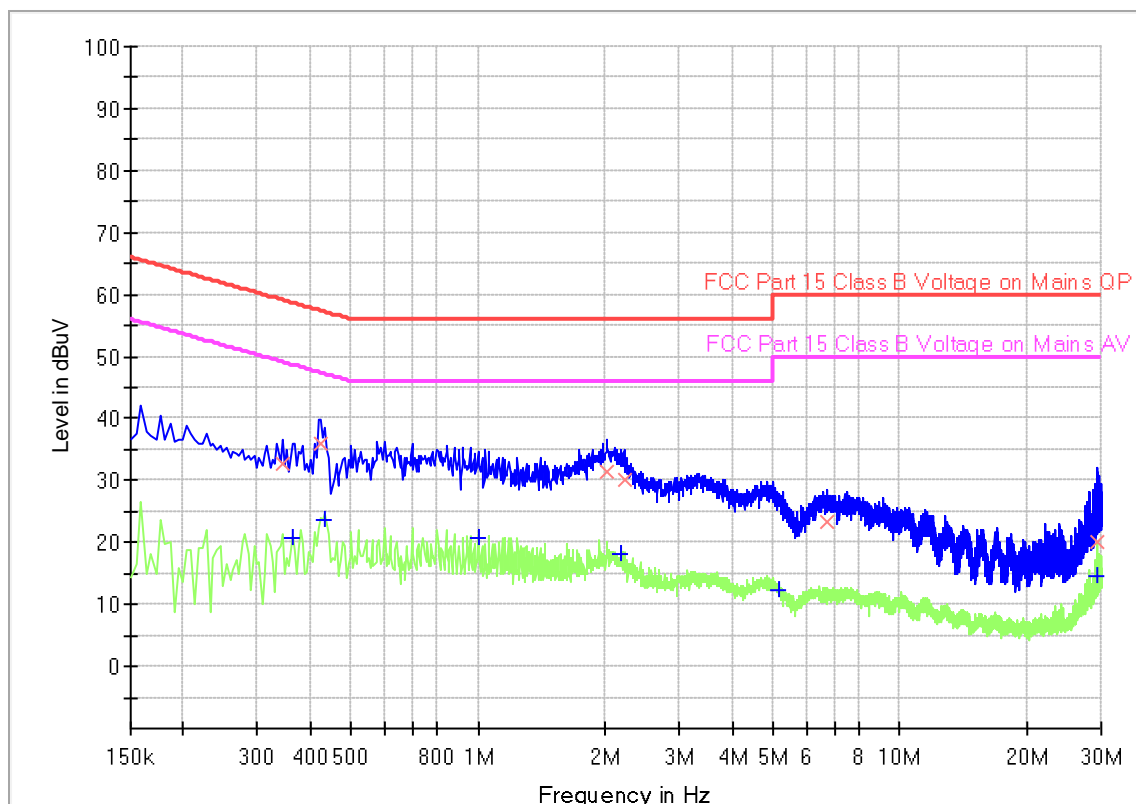
## EUT Information

EUT Name: ARC PRO LI-ION TUBULAR MOTOR  
Model: MT01-5328-069002  
Client: Rollease Acmeda Inc  
Op Cond: AC 120V,60Hz, charging and TX at 433.92MHz  
Operator: Tianji Xu  
Standard: FCC Part 15.207(a)  
Comment: Vertical  
Sample No.: SHA-859528-2

## Scan Setup: Voltage with 2-Line-LISN pre [EMI conducted]

Hardware Setup: Voltage with 2-Line-LISN  
Receiver: [ESR 3]  
Level Unit: dBuV

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	100 Hz	PK+	200 Hz	0.02 s	0 dB
150 kHz - 30 MHz	4.5 kHz	PK+; AVG	9 kHz	0.01 s	0 dB





## Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.343500	32.66	---	59.12	26.46	1000.0	9.000	N	19.4
0.361500	---	20.87	48.69	27.82	1000.0	9.000	N	19.4
0.424500	35.87	---	57.36	21.49	1000.0	9.000	N	19.5
0.433500	---	23.53	47.19	23.66	1000.0	9.000	N	19.5
1.000500	---	20.60	46.00	25.40	1000.0	9.000	N	19.5
2.022000	31.46	---	56.00	24.54	1000.0	9.000	N	19.5
2.179500	---	18.11	46.00	27.89	1000.0	9.000	N	19.5
2.220000	30.21	---	56.00	25.79	1000.0	9.000	N	19.5
5.149500	---	12.18	50.00	37.82	1000.0	9.000	N	19.6
6.747000	23.21	---	60.00	36.79	1000.0	9.000	N	19.6
29.251500	20.20	---	60.00	39.80	1000.0	9.000	N	20.8
29.445000	---	14.58	50.00	35.42	1000.0	9.000	N	20.8

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB) + 10dB Attenuator

## 10.2 Radiated Emission

### Test Method

1. The EUT was placed on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.
3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. Use the following spectrum analyzer settings According to C63.10:  
For Above 1GHz  
Span = wide enough to capture the peak level of the in-band emission and all spurious  
RBW = 1MHz, VBW $\geq$ 3RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.  
For Below 1GHz  
Use the following spectrum analyzer settings:  
Span = wide enough to capture the peak level of the in-band emission and all spurious  
RBW = 100 KHz, VBW $\geq$ 3RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

### Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average (duty cycle  $\geq$ 98%) for peak detection at frequency above 1GHz
4. If the emission is pulsed (duty cycle <98%), modify the unit for continuous operation: use the settings shown above, then correct the reading by subcontracting the peak to average duty cycle correction factor  $20\log(\text{duty cycle})$ ., derived from the appropriate duty cycle calculation.



## Limit

According to §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 emissions ((Microvolts /meter)
40.66-40.70	2,250	225
70-130	1,250	125
130-174	1,250 to 3,370 *	125 to 3750 *
174-260	3,750	375
260-470 √	3,750 to 12, 500*	375 to 1,250*
Above 470	12,500	1,250

## Limits for 15.209 Radiated emission limits; general requirements

Frequency (MHz)	Field strength (microvolts/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
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Frequency	Limit at 3m (dBuV/m)
0.009 MHz – 0.490 MHz	128.5 to 93.8 <sup>1</sup>
0.490 MHz – 1.705 MHz	73.8 to 63 <sup>1</sup>
1.705 MHz – 30 MHz	69.5 <sup>1</sup>
30 MHz – 88 MHz	40.0 <sup>1</sup>
88 MHz – 216 MHz	43.5 <sup>1</sup>
216 MHz – 960 MHz	46.0 <sup>1</sup>
Above 960 MHz	54.0 <sup>1</sup>
Above 1000 MHz	54.0 <sup>2</sup>
Above 1000 MHz	74.0 <sup>3</sup>

<sup>1</sup>Limit is with detector with bandwidths as defined in CISPR-16-1-1 except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz where an Average detector is used.

<sup>2</sup>Limit is with 1 MHz measurement bandwidth and using an Average detector

<sup>3</sup>Limit is with 1 MHz measurement bandwidth and using a Peak detector

According to RSS-210 A.1.3, the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

- 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 based on the use of a 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.

After technical evaluation, table A1 was used which is less stringent.

Table A1: Permissible field strength limits for momentarily operated devices

Fundamental frequency (MHz)	Field Strength of Fundamental (Microvolts /meter @ 3m)	Field Strength of spurious emissions ((Microvolts /meter @ 3m)
70-130	1,250	125
130-174	1,250 to 3,370 *	125 to 3750 *
174-260	3,750	375
260-470 √	3,750 to 12, 500*	375 to 1,250*
Above 470	12,500	1,250
*Linear interpolation with frequency, f, in MHz: • for 130-174 MHz: field strength (μV/m) = (56.81818 x f) - 6136.3636 • for 260-470 MHz: field strength (μV/m) = (41.6667 x f) - 7083.3333 **Frequency bands 225-328.6 MHz and 335.4-399.9 MHz are designated for use by the Government of Canada. Manufacturers should be aware of possible harmful interference and degradation of their licence-exempt radio equipment in these frequency bands.		

#### Limits for Radiated emission limits; RSS-Gen Issue 5 8.9 Transmitter emission limits

Except where otherwise indicated in the applicable RSS, radiated emissions shall comply with the field strength limits shown in table 5 and table 6. Additionally, the level of any transmitter unwanted emission shall not exceed the level of the transmitter's fundamental emission.

Table 5 – General field strength limits at frequencies above 30 MHz

Frequency (MHz)	Field strength (μV/m at 3 m)
30-88	100
88-216	150
216-960	200
Above 960	500

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

Frequency	Magnetic field strength (H-Field) (μA/m)	Measurement distance (meters)
9 - 490 kHz <sup>1</sup>	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.

### Spurious radiated emissions for transmitter

Radiated Emission									
Value	Emissions	E-Field	PK	Corr.	Average	AV	Limit	Margin	Emission Type
	Frequency	Polarity	Emission	Factor	Factor	Emission	dBμV/m		
	MHz		dBμV/m	dB	dB	dBμV/m		dB	
Below 1GHz									
PK	433.96	H	78.20	25.70	0.00	/	100.80	22.60	Fundamental
AV	433.96	H	78.20	/	0.00	78.20	80.80	2.60	Fundamental
PK	433.92	V	73.21	25.70	0.00	/	100.80	27.59	Fundamental
AV	433.92	V	73.21	/	0.00	73.21	80.80	7.59	Fundamental
PK	867.84	H	38.70	33.00	0.00	/	80.80	42.10	Spurious
AV	867.84	H	38.70	/	0.00	38.70	60.80	22.10	Spurious
PK	867.84	V	39.20	33.20	0.00	/	80.80	41.60	Spurious
AV	867.93	V	39.20	/	0.00	39.20	60.80	21.60	Spurious
Above 1GHz									
PK	1301.81	H	32.60	-16.30	0.00	/	74.00	41.40	Restricted band*
AV	1301.81	H	32.60	/	0.00	32.60	54.00	21.40	Restricted band*
PK	3471.01	H	43.33	-6.40	0.00	/	80.80	37.47	Spurious
AV	3471.01	H	43.33	/	0.00	43.33	60.80	17.47	Spurious
PK	1301.93	V	32.05	-16.30	0.00	/	74.00	41.95	Restricted band*
AV	1301.93	V	32.05	/	0.00	32.05	54.00	21.95	Restricted band*
PK	3471.70	V	36.22	-6.40	0.00	/	80.80	44.58	Spurious
AV	3471.70	V	36.22	/	0.00	36.22	60.80	24.58	Spurious

#### Remark:

1: AV Emission Level= PK Emission Level+20log(dutycycle)

2: Data of measurement within this frequency range shown "/" in the table above means the reading of emissions are attenuated more than 20db below the permissible limits or the field strength is too small to be measured.

3: "\*" means the emission(s) appear within the restrict bands shall follow the requirement of section 15.205.

4: Level= Reading Level + Correction Factor

Correction Factor = Antenna Factor + Cable Loss- Amplifier Gain

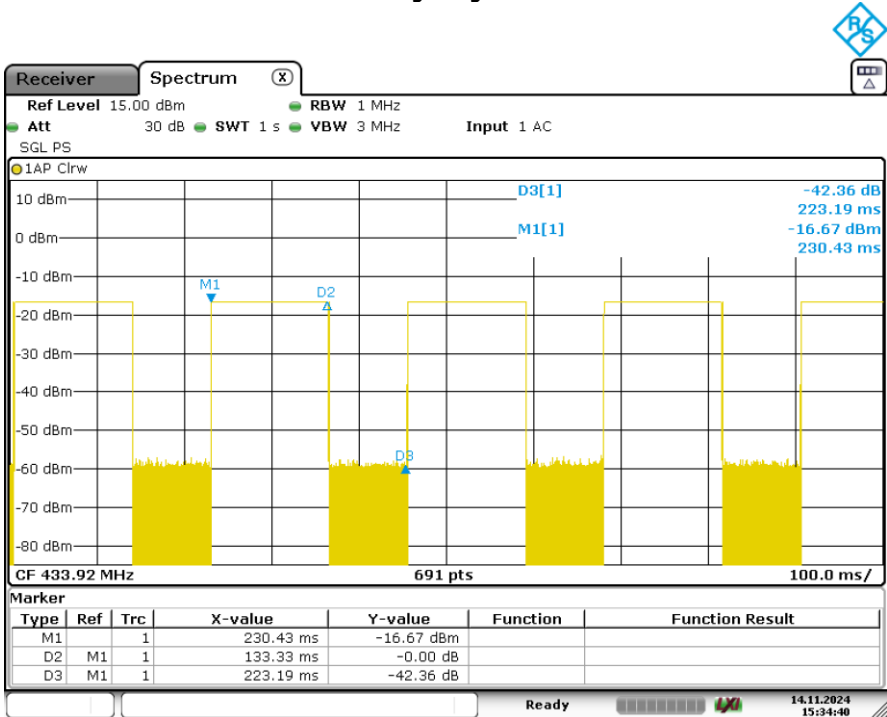
(The Reading Level is recorded by software which is not shown in the sheet)

Duty Cycle =100(ms)/100(ms) =100%

Duty Cycle Factor =20log (Duty Cycle) =0



Duty Cycle



Date: 14.NOV.2024 15:34:40



Date: 14.NOV.2024 15:35:45

## 10.3 Bandwidth Measurement

### Test Method

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. Use the following test receiver settings:  
Span = approximately 5 times the 20dB bandwidth, centered on a hopping channel  
RBW =1% to 5% of the 20dB bandwidth of the emission being measured, VBW≥RBW,  
Sweep = auto, Detector function = peak, Trace = max hold
3. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth. Record the results.
4. Repeat above procedures until all frequencies measured were complete.

### Limit

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70MHz and below 900MHz. For devices operating above 900MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20dB down from the modulated carrier.

The limit for the EUT =  $0.25\% \times 433.92 \text{ MHz} = 1084 \text{ kHz}$

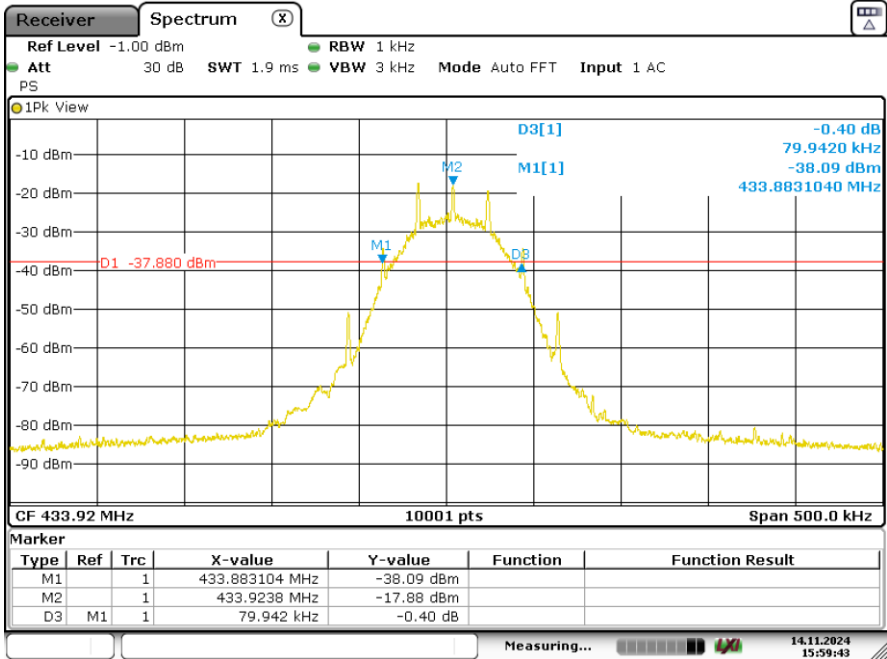
### Test Result

Channel	20dB Bandwidth (KHz)	Limit (KHz)
433.92MHz	79.94	1084

Channel	99% bandwidth (KHz)	Limit (KHz)
433.92MHz	76.49	1084

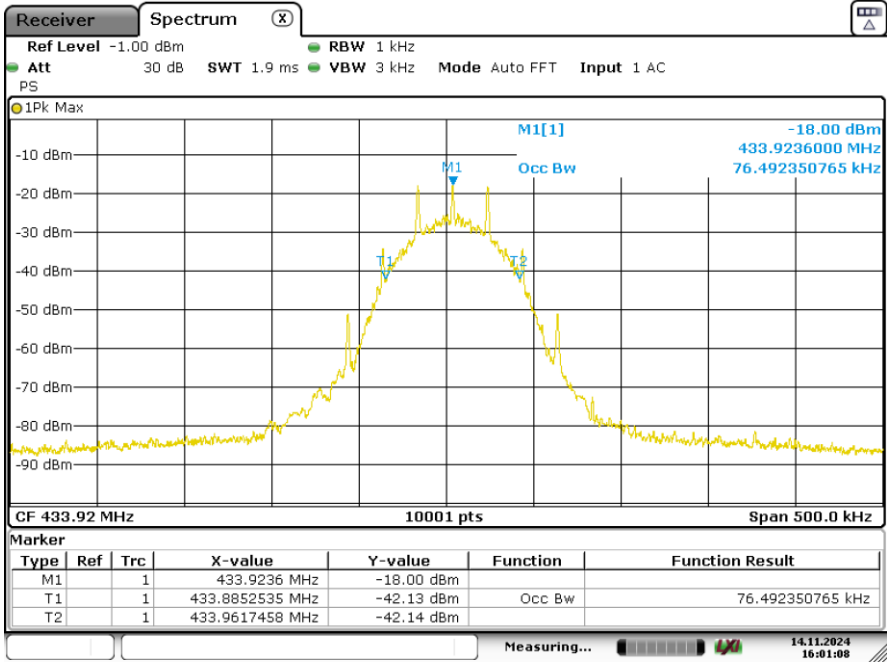


20dB Bandwidth



Date: 14.NOV.2024 15:59:43

99% bandwidth



Date: 14.NOV.2024 16:01:08

## 10.4 Deactivation Time

## Test Method

1. Set to the maximum power setting and enable the EUT in transmitting mode.
2. Set center frequency of spectrum analyzer=operating frequency.
3. Set the spectrum analyzer as RBW=120 KHz, VBW=1MHz, Span=0Hz.
4. Repeat above procedures until all frequency measured was complete.

## Limit

According to FCC Part 15.231 (a) and RSS-210 A.1.2(a), the transmitter shall be complied the following requirements:

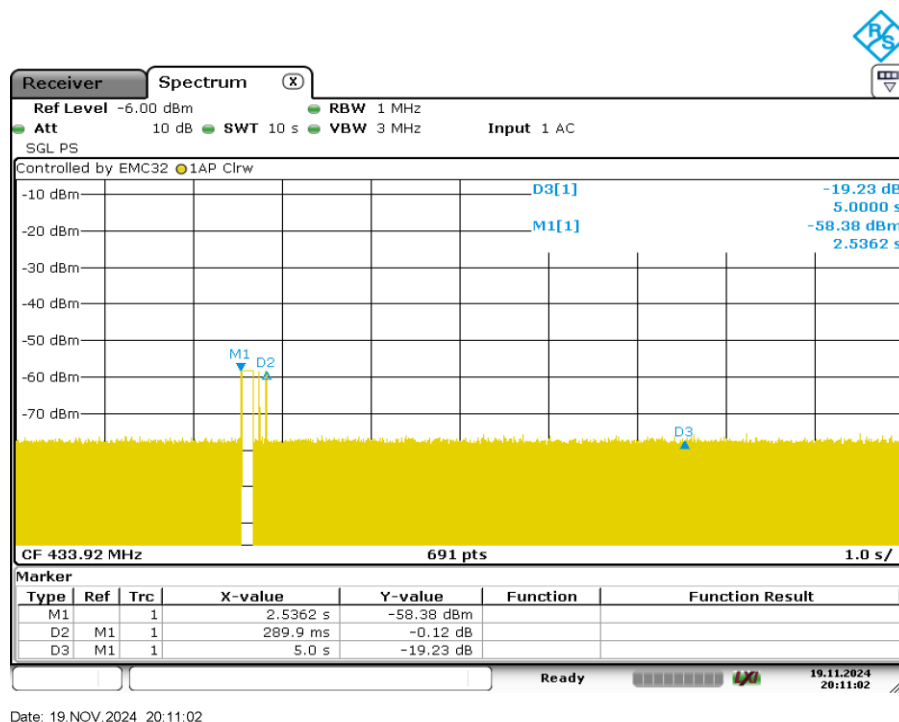
(v) (1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

(2) A transmitter activated automatically shall cease transmission within 5 seconds after activation.

(3) Periodic transmissions at regular predetermined intervals are not permitted. However, polling or supervision transmissions, including data, to determine system integrity of transmitters used in security or safety applications are allowed if the total duration of transmissions does not exceed more than two seconds per hour for each transmitter. There is no limit on the number of individual transmissions, provided the total transmission time does not exceed two seconds per hour.

## Test Result

Channel	Frequency	Deactivation Time	Result
1	433.92MHz	289.9ms	Pass



## 11 Test Equipment List

### List of Test Instruments

	DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DATE	CAL. DUE DATE
RE	EMI Test Receiver	Rohde & Schwarz	ESR3	101906	2024-8-1	2025-7-31
	Signal Analyzer	Rohde & Schwarz	FSV40	101091	2024-8-1	2025-7-31
	Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9168	961	2024-8-30	2025-8-29
	Horn Antenna	Rohde & Schwarz	HF907	102393	2024-4-14	2025-4-13
	Pre-amplifier	Shenzhen HzEMC	HPA-081843	HYP A23026	2024-4-16	2025-4-15
	Loop antenna	Rohde & Schwarz	HFH2-Z2	100443	2024-6-26	2025-6-25
	Double Ridged Horn Antenna	ETS-Lindgren	3116C	00246076	2023-7-7	2026-7-6
	3m Semi-anechoic chamber	TDK	9X6X6	----	2024-5-8	2027-5-7
	Coaxial Cable	----	----	RE Cable 01	2024-8-1	2025-7-31
	Coaxial Cable	----	----	RE Cable 02	2024-8-1	2025-7-31
	Coaxial Cable	----	----	RE Cable 03	2024-8-1	2025-7-31
	Coaxial Cable	----	----	RE Cable 04	2024-8-1	2025-7-31
CE	EMI Test Receiver	Rohde & Schwarz	ESR3	101907	2024-8-1	2025-7-31
	LISN	Rohde & Schwarz	ENV216	101924	2024-8-1	2025-7-31

Measurement Software Information			
Test Item	Software	Manufacturer	Version
RE	EMC 32	Rohde & Schwarz	V10.50.40
CE	EMC 32	Rohde & Schwarz	V9.15.03





12 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

Items	Extended Uncertainty
Conducted Disturbance	9kHz to 30MHz, 3.16dB (AMN)
Radiated Disturbance	9kHz to 30MHz, 3.52dB 30MHz to 1GHz, 5.03dB (Horizontal) 5.12dB (Vertical) 1GHz to 18GHz, 5.49dB 18GHz to 40GHz, 5.63dB

Measurement Uncertainty Decision Rule:

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.3.3

-----End of Test Report-----