



RF MEASUREMENT REPORT

FCC ID: CHQ7268T
IC: 2968A-7268T
Applicant: RHINE ELECTRONIC CO LTD
Product: Transmitter
Model No.: UC7268T
Trademark: RHINE
FCC Classification: FCC Part 15 Security/Remote Control Transmitter (DSC)
FCC Rule Part(s): Part 15 Subpart C (Section 15.231)
ISED Standard: RSS-210 Issue 11
Result: Complies
Received Date: 2026-09-15
Test Date: 2026-09-22 ~ 2026-09-29

Reviewed By:


Paddy Chen



Approved By:


Chenz Ker

The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report. Testing was performed in accordance with the applicable measurement procedures. The test results reported herein apply only to the specific item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Taiwan) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2609TW5401-U1	V1.0	Original Report	2026-10-13	Valid

CONTENTS

Description	Page
1. General Information	5
1.1. Applicant.....	5
1.2. Manufacturer	5
1.3. Testing Facility	5
1.4. Product Information	6
1.5. Radio Specification.....	7
2. Test Configuration.....	8
2.1. Test Mode	8
2.2. Test Configuration and Software.....	9
2.3. Applied Standards	9
2.4. Test Environment Condition	9
3. Antenna Requirements	10
4. Measuring Instrument.....	11
5. Decision Rules and Measurement Uncertainty	12
5.1. Decision Rules	12
5.2. Measurement Uncertainty	12
6. Test Result	13
6.1. Summary	13
6.2. Radiated Emissions Measurement	14
6.2.1. Test Limit	14
6.2.2. Test Procedure	15
6.2.3. Test Setting.....	16
6.2.4. Test Setup	17
6.2.5. Test Result.....	17
6.3. 20 dB / 99% Bandwidth Measurement.....	18
6.3.1. Test Limit	18
6.3.2. Test Procedure	18
6.3.3. Test Setting.....	18
6.3.4. Test Setup	19
6.3.5. Test Result.....	19
6.4. Transmission Time	20
6.4.1. Test Limit	20
6.4.2. Test Setting.....	20
6.4.3. Test Setup	20

6.4.4.	Test Result.....	20
6.5.	Duty Cycle	21
6.5.1.	Test Limit	21
6.5.2.	Test Setting.....	21
6.5.3.	Test Setup	21
6.5.4.	Test Result.....	21
6.6.	AC Conducted Emissions Measurement	22
6.6.1.	Test Limit	22
6.6.2.	Test Setup	22
6.6.3.	Test Result.....	22
Appendix A - Test Result		23
A.1	Radiated Emissions Test Result	23
A.2	20 dB / 99% Bandwidth Test Result	33
A.3	Transmission Time Test Result.....	34
A.4	Duty Cycle Test Result.....	35
A.5	AC Conducted Emissions Test Result	37
Appendix B - Test Setup Photograph.....		38
Appendix C - External Photograph.....		38
Appendix D - Internal Photograph		38

1. General Information

1.1. Applicant

RHINE ELECTRONIC CO LTD

No. 29, Feng Li Road, Tan-Zi Dist, Taichung City 42754, Taiwan

1.2. Manufacturer

RHINE ELECTRONIC CO LTD

No. 29, Feng Li Road, Tan-Zi Dist., Taichung City 42754, Taiwan

KAM SHING ELECTRONIC CO., LTD

THE YOUTH INDUSTRIAL ADMINISTRATION PARK, CHENJIANG TOWN, HUICHENG DISTRICT,
HUIZHOU CITY, GUANGDONG, CHINA

1.3. Testing Facility

☒	Test Site 1 - MRT Taiwan Laboratory
	Laboratory Location No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
	Laboratory Accreditations
	TAF: 3261 FCC: 291082, TW3261 ISED: TW3261(Organization CN: 21723)
☐	Test Site 2 - MRT Taiwan Laboratory
	Laboratory Location No. 64, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
	Laboratory Accreditations
	TAF: 3261 FCC: 933489, TW0041 ISED: TW3261(Organization CN: 36039)

1.4. Product Information

Product Name	Transmitter
Model No.	UC7268T
EUT Identification No.	#1-1
Specification	433.92 MHz
Antenna Information	Refer to section 1.5
Power Type	By Battery
Note: The information of the EUT (Equipment Under Test) was provided by the manufacturer. The accuracy, completeness, and validity of the information are solely the responsibility of the manufacturer.	

1.5. Radio Specification

Frequency Range	433.92 MHz
Modulation Technology	ASK
Antenna Type	PCB Antenna
Antenna Gain	-18.20dBi

Note: For other features of this EUT, test report will be issued separately.

2. Test Configuration

2.1. Test Mode

Mode 1: Transmit by 433.92 MHz

Mode 2: Receiver by 433.92 MHz

2.2. Test Configuration and Software



2.3. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15.231
- RSS-210 Issue 11
- RSS-Gen Issue 6
- ANSI C63.10-2020
- ANSI C63.10-2020/Cor1-2023
- ANSI C63.10a-2024

2.4. Test Environment Condition

Ambient Temperature	15 ~ 35 °C
Relative Humidity	20 ~ 75 %RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of this device is permanently attached.
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	MRTTWA00002	1 year	2027/4/15	TW-AC1
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00086	1 year	2026/11/13	TW-AC1
Broadband Hornantenna	RFSPIN	DRH18-E	MRTTWA00106	1 year	2027/3/4	TW-AC1
Broadband Preamplifier	EMC Instruments corporation	EMC118A45SEE	MRTTWA00107	1 year	2027/3/4	TW-AC1
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2027/3/4	TW-AC1
Signal Analyzer	R&S	FSV40	MRTTWA00007	1 year	2027/3/12	TW-AC1

Software	Version	Function
e3	9.160520a	EMI Test Software

5. Decision Rules and Measurement Uncertainty

5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2.
(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

AC Conducted Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 150kHz~30MHz: $\pm 2.53\text{dB}$
Radiated Emission Measurement
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 9kHz ~ 1GHz: $\pm 4.25\text{dB}$ 1GHz ~ 40GHz: $\pm 4.45\text{dB}$
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 3.3\%$

6. Test Result

6.1. Summary

FCC Section(s)	RSS Section(s)	Test Description	Test Condition	Verdict
15.205,15.209, 15.231(b)	RSS-Gen [8.9], [8.10]	Radiated Emissions	Radiated	Pass
15.231(c)	RSS-210 Annex A.1.4	20 dB / 99% Bandwidth		Pass
15.231(a)	RSS-210 Annex A.1.2(a)	Transmission Time		Pass
15.231(a)	RSS-210 Annex A.1.2(a)	Duty Cycle		Pass
15.207	RSS-Gen [8.8]	AC Conducted Emissions 150 kHz-30 MHz	Line Conducted	N/A. ^{Note1}

Note1: The EUT Power by Battery, so do not need to test Conducted Emissions.

6.2. Radiated Emissions Measurement

6.2.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Distance (m)	Level ($\mu\text{V/m}$)
0.009 ~ 0.490	300	2400/F (kHz)
0.490 ~ 1.705	30	24000/F (kHz)
1.705 ~ 30	30	30
30 ~ 88	3	100
88 ~ 216	3	150
Note 1: The lower limit shall apply at the transition frequency. Note 2: Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system. Note 3: E field strength (dB $\mu\text{V/m}$) = 20log E field strength ($\mu\text{V/m}$)		

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

Frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emission (microvolts/meter)
40.66-40.70	1,000	100
70-130	500	50
130-174	500 to 1,500	50 to 150
174-260	1,500	150
260-470	1,500 to 5,000	150 to 500
Above 470	5,000	500

All out of band emissions appearing in a restricted band as specified in Section 8.10 of the RSS-Gen Issue 5 must not exceed the limits shown in Table per Section 8.9.

RSS-Gen Section 8.9		
Frequency [MHz]	Field Strength [μA/m]	Measured Distance [Meters]
0.009 - 0.490	6.37/F (kHz)	300
0.490 - 1.705	63.7/F (kHz)	30
1.705 - 30	0.08	30
Frequency [MHz]	Field Strength [μV/m]	Measured Distance [Meters]
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3
18000 - 40000	1500	1
Note: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.		

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

Fundamental frequency (MHz), excluding restricted frequency bands specified in RSS-Gen	Field strength of the fundamental emissions (uV/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 (uV/m) = $(56.81818 \times f) - 6136.3636$ - for 260-470 MHz: field strength (uV/m) = $(41.6667 \times f) - 7083.333333$ **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.	

6.2.2. Test Procedure

ANSI C63.10 - 2020 - Section 6.3 (General Requirements)

ANSI C63.10 - 2020 - Section 6.4 (Standard test method below 30 MHz)

ANSI C63.10 - 2020 - Section 6.5 (Standard test method above 30 MHz to 1 GHz)

6.2.3. Test Setting

Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz

Peak Measurement

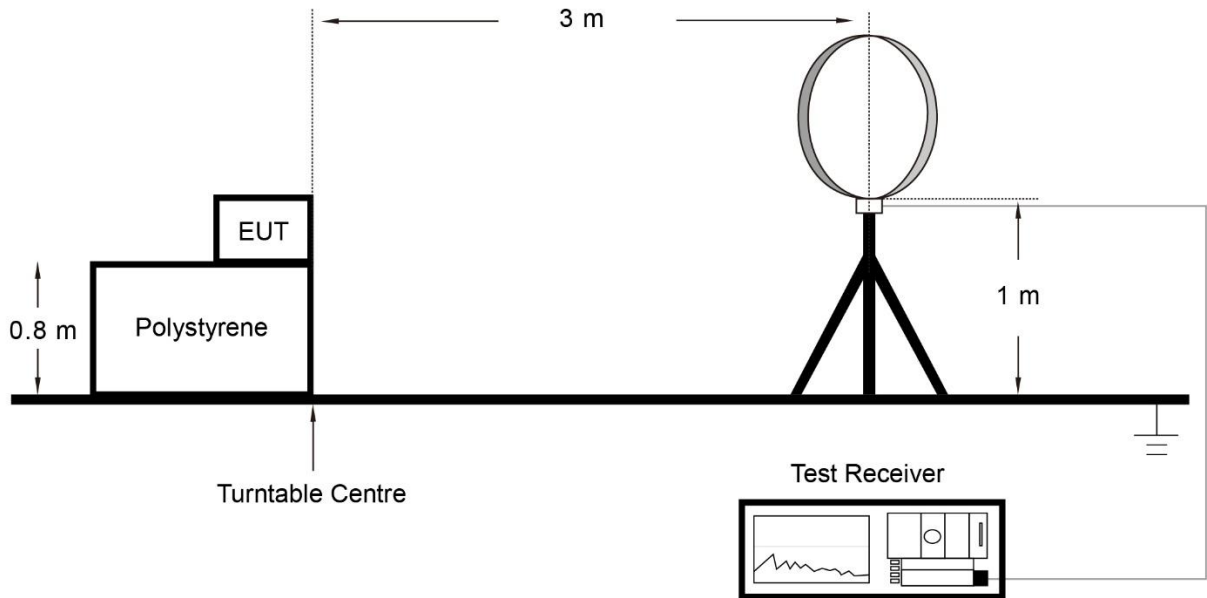
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in Table 1
3. VBW = $3 \times \text{RBW}$
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple
7. Allow the trace to stabilize

Quasi-Peak Measurement

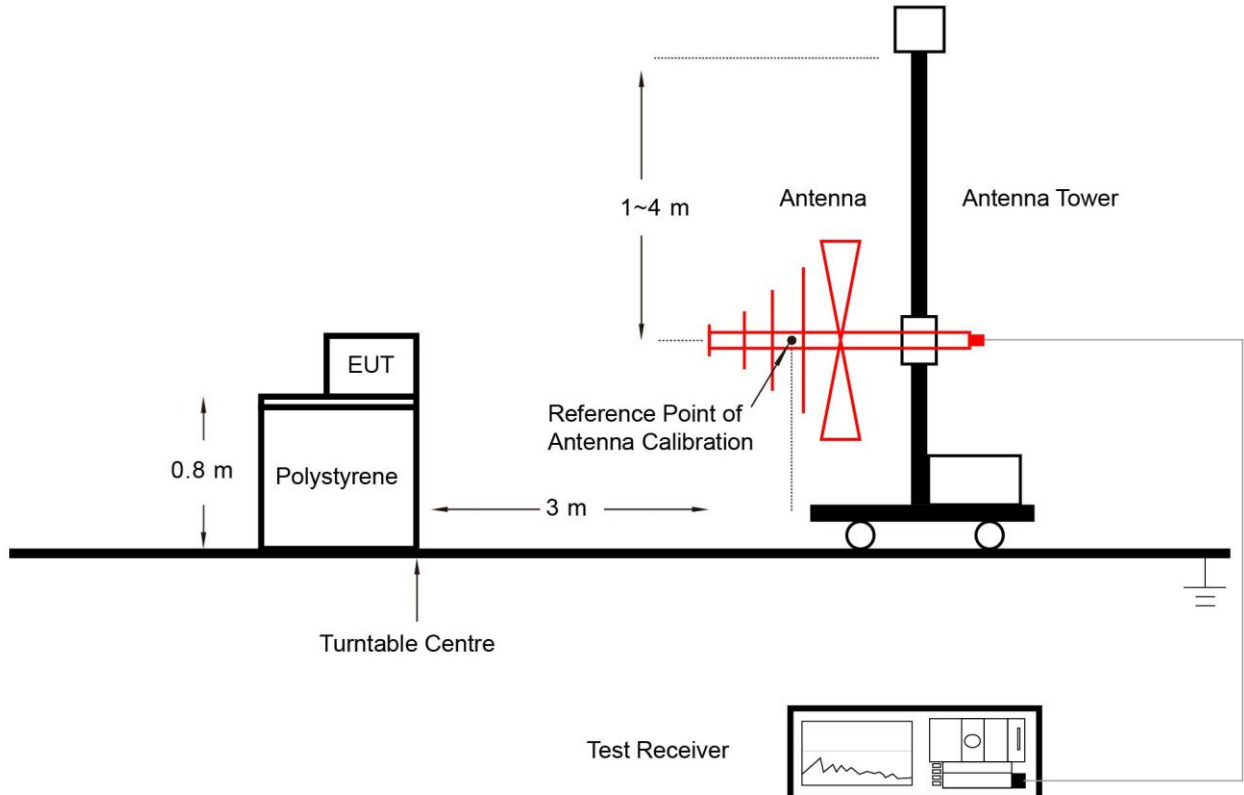
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. Span was set greater than 1 MHz
3. RBW = as specified in Table 1
4. Detector = CISPR quasi-peak
5. Sweep time = auto couple
6. Trace was allowed to stabilize

6.2.4. Test Setup

9 kHz ~ 30 MHz Test Setup:



Above 30 MHz Test Setup:



6.2.5. Test Result

Refer to Appendix A.1.

6.3. 20 dB / 99% Bandwidth Measurement

6.3.1. Test Limit

According to FCC Part 15.231(c) & RSS-210 Annex A.1.4, the bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70MHz and below 900MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

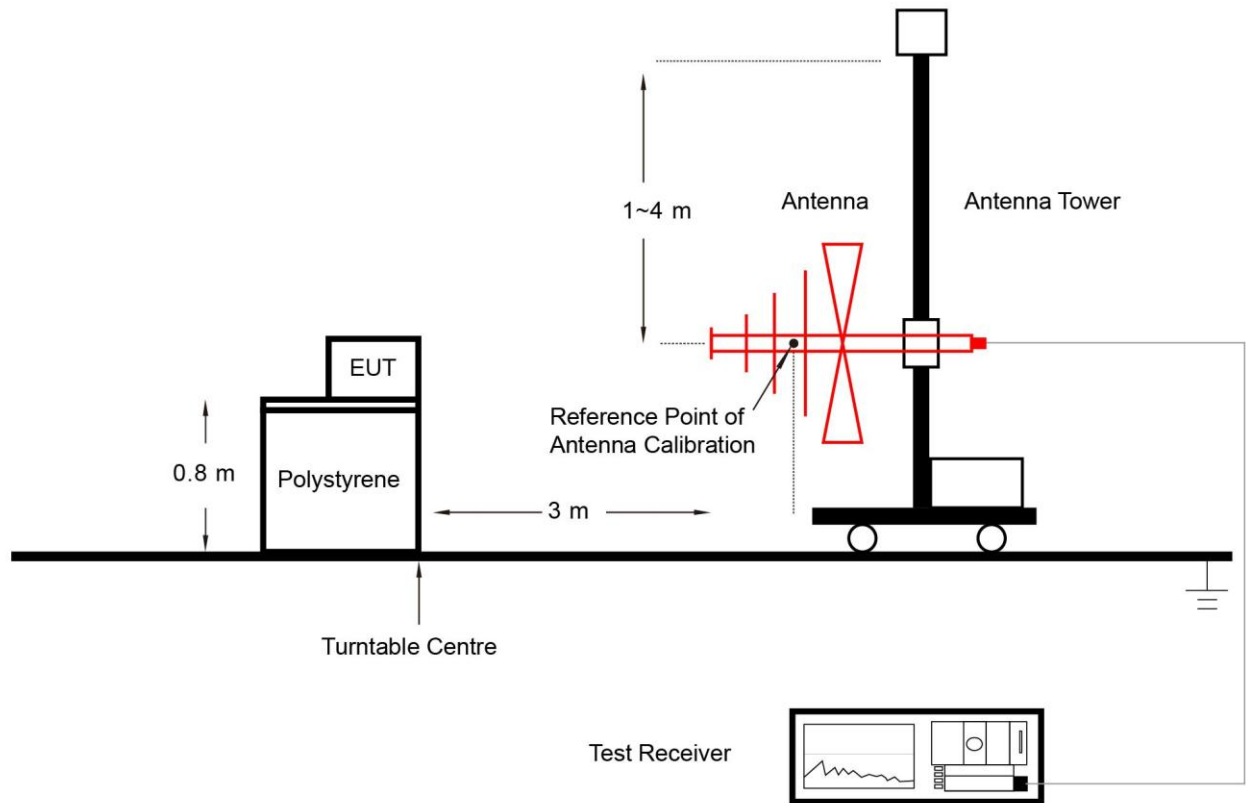
6.3.2. Test Procedure

ANSI C63.10-2020 - Section 6.9.2

6.3.3. Test Setting

1. The Spectrum's automatic bandwidth measurement capability was used to perform the 20 dB bandwidth measurement. The "X" dB bandwidth parameter was set to $X = 20$. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1% to 5% of the OBW
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple
7. Allow the trace to stabilize

6.3.4. Test Setup



6.3.5. Test Result

Refer to Appendix A.2.

6.4. Transmission Time

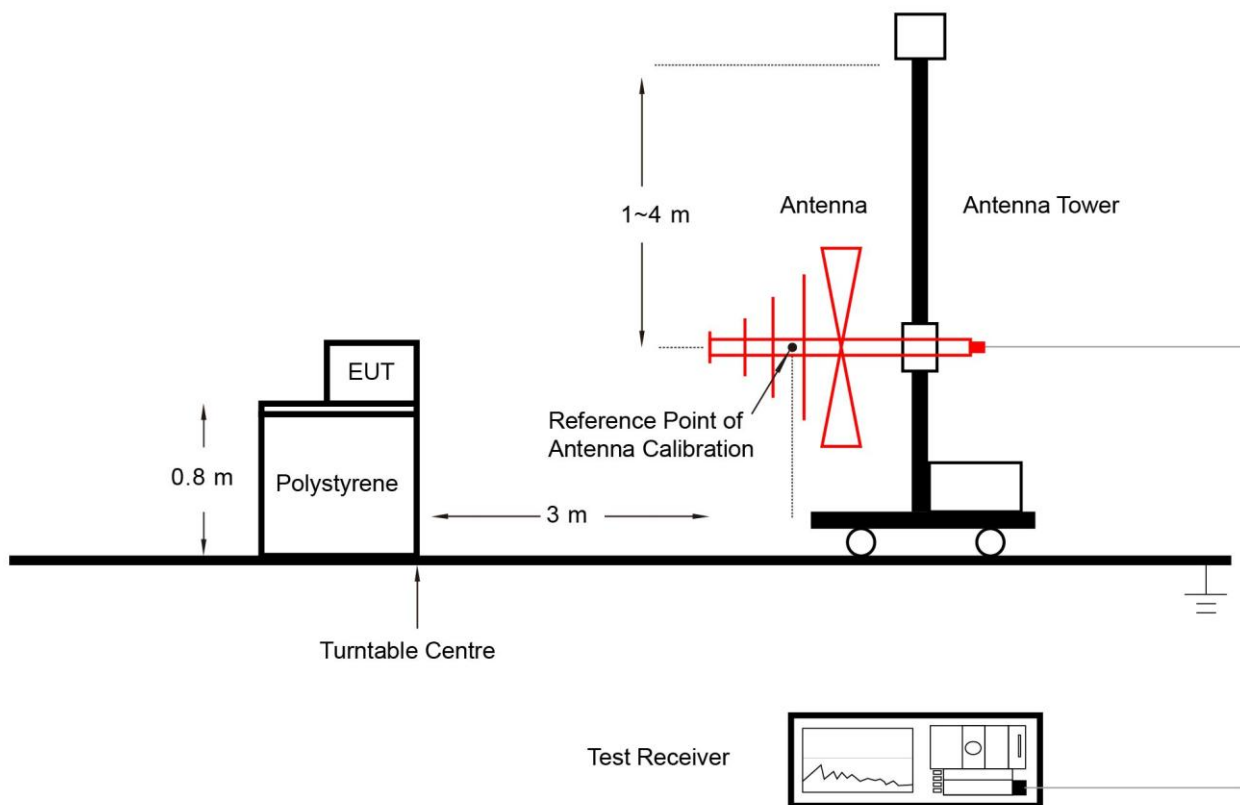
6.4.1. Test Limit

According to FCC 15.231(a)(1) & RSS-210 Annex A.1.2(a), A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

6.4.2. Test Setting

With the EUT's antenna attached, the EUT's output signal was received by the test antenna, which was connected to the spectrum analyzer. Set the center frequency to 434.92MHz, then set the spectrum analyzer to Zero Span for the release time reading. During the testing, the switch was released then the EUT automatically deactivated.

6.4.3. Test Setup



6.4.4. Test Result

Refer to Appendix A.3.

6.5. Duty Cycle

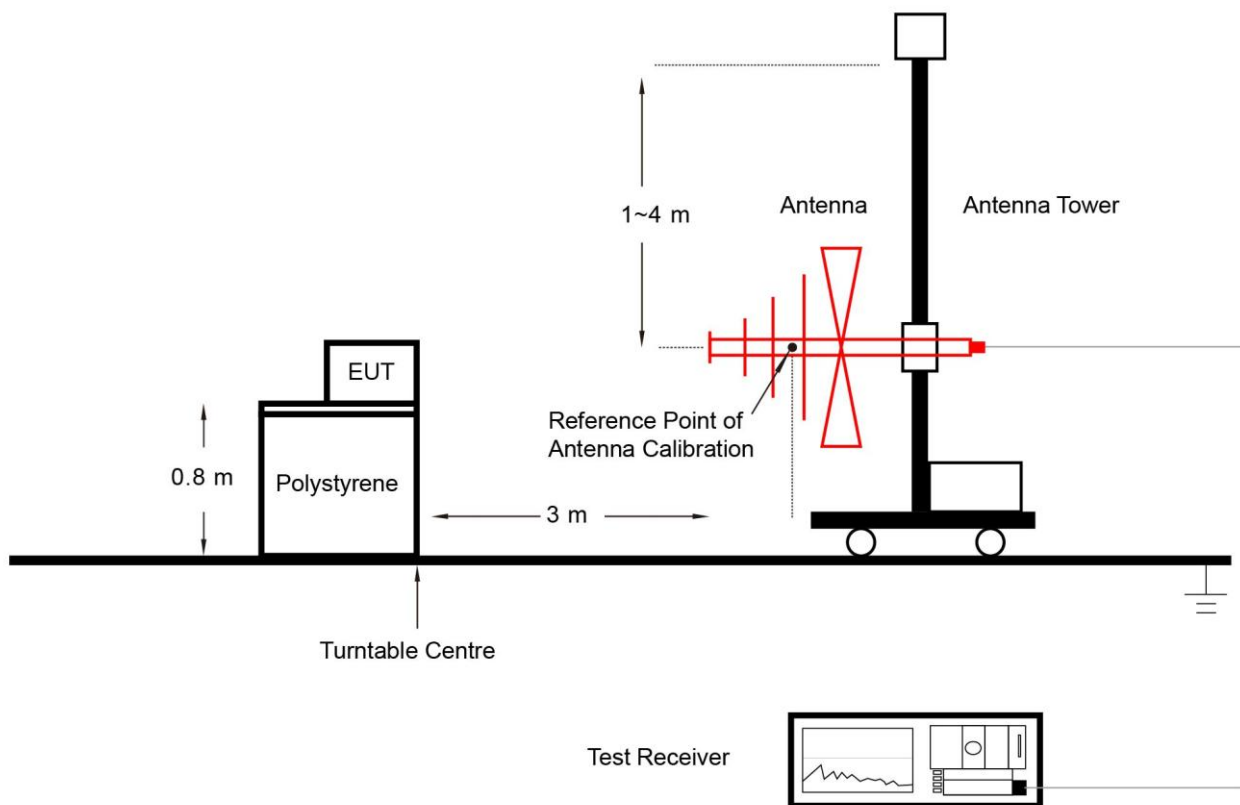
6.5.1. Test Limit

According to FCC Part 15.231(b) and 15.35(c), for pulse operation transmitter, the averaging pulsed emissions are calculated by peak value of measured emission plus duty cycle factor.

6.5.2. Test Setting

With the EUT's antenna attached, the EUT's output signal was received by the test antenna, which was connected to the spectrum analyzer. Set the center frequency to 434.92MHz, then set the spectrum analyzer to Zero Span for the release time reading. During the testing, the switch was released then the EUT automatically deactivated.

6.5.3. Test Setup



6.5.4. Test Result

Refer to Appendix A.4.

6.6. AC Conducted Emissions Measurement

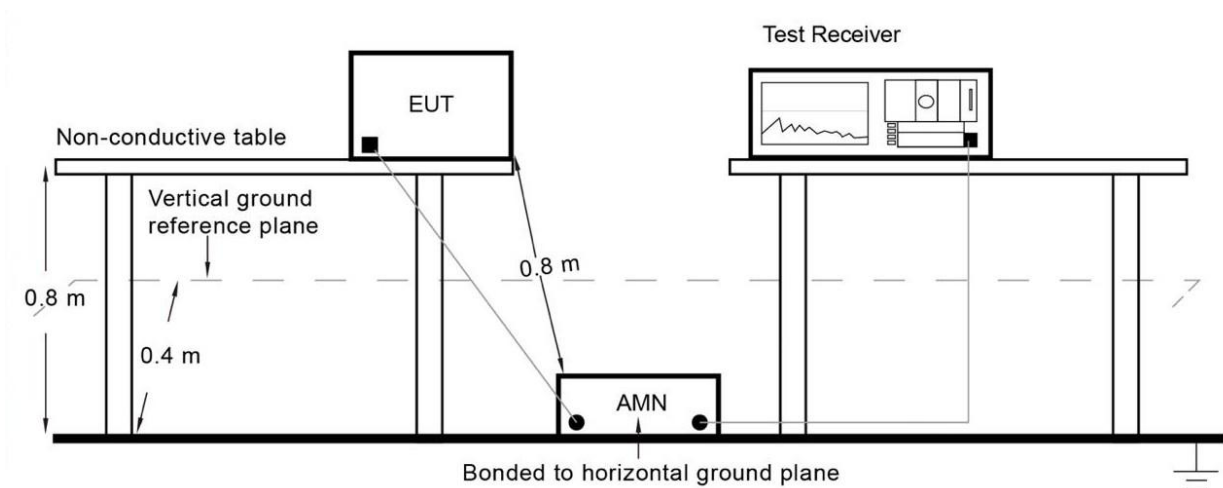
6.6.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 / RSS-Gen Issue 5 Section 8.8 Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 ~ 0.50	66 ~ 56	56 ~ 46
0.50 ~ 5.0	56	46
5.0 ~ 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

6.6.2. Test Setup



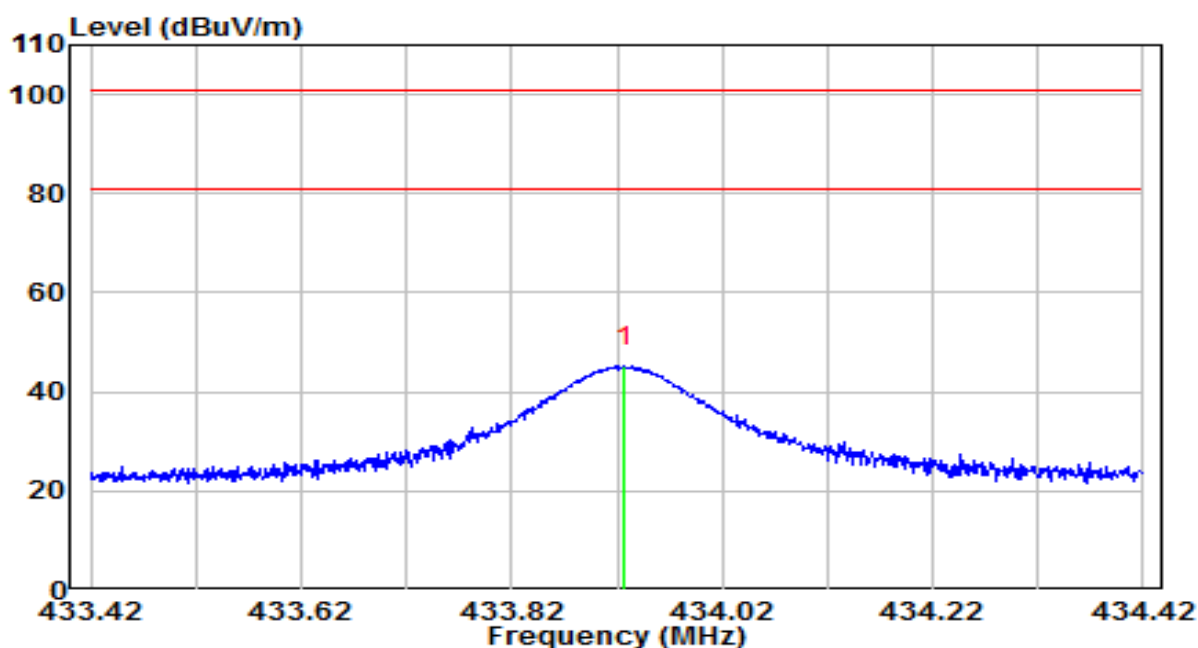
6.6.3. Test Result

Refer to Appendix A.5.

Appendix A - Test Result

A.1 Radiated Emissions Test Result

EUT	Transmitter	Date of Test	2026-09-22
Factor	VULB 9162	Temp. / Humidity	24°C /58%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd Tsai
Test Mode	TX-433.92MHz	Test Voltage	By Battery
Limit	FCC Part15C_Radiated Power		

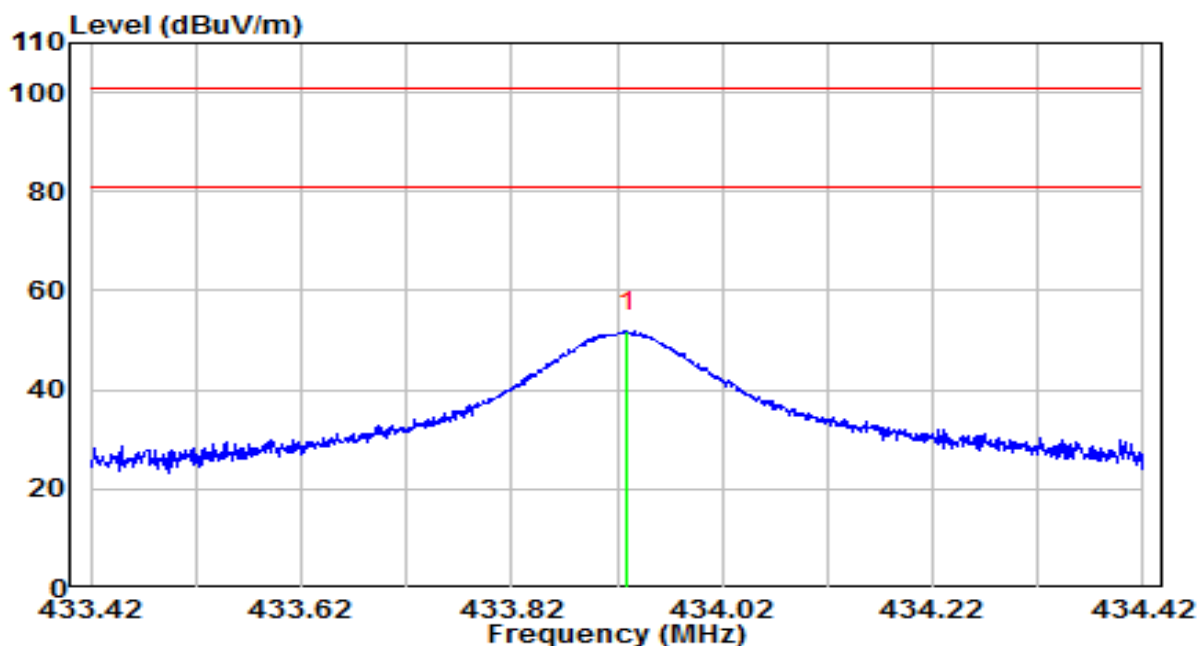


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	433.927	21.65	23.49	45.14	-55.69	100.83	189	214	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Transmitter	Date of Test	2026-09-22
Factor	VULB 9162	Temp. / Humidity	24°C /58%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd Tsai
Test Mode	TX-433.92MHz	Test Voltage	By Battery
Limit	FCC Part15C_Radiated Power		

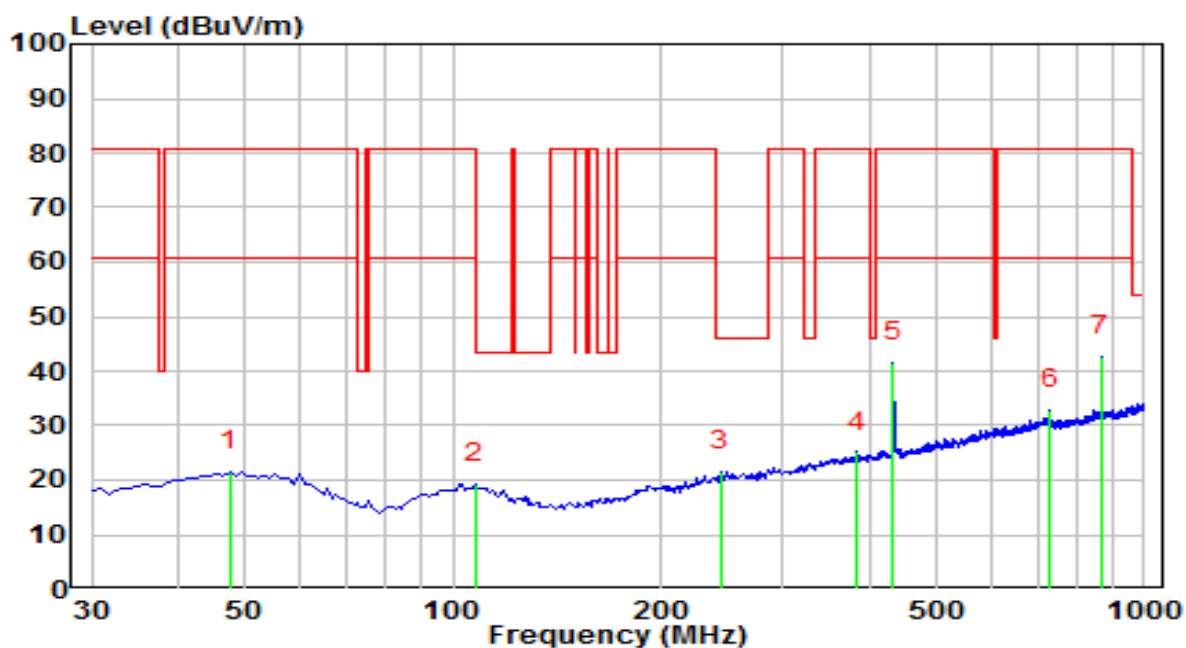


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	433.930	28.29	23.49	51.78	-49.05	100.83	113	235	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Transmitter	Date of Test	2026-09-22
Factor	VULB 9162	Temp. / Humidity	24°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd Tsai
Test Mode	TX-433.92MHz	Test Voltage	By Battery
Limit	FCC Part15C_30MHz-1GHz		

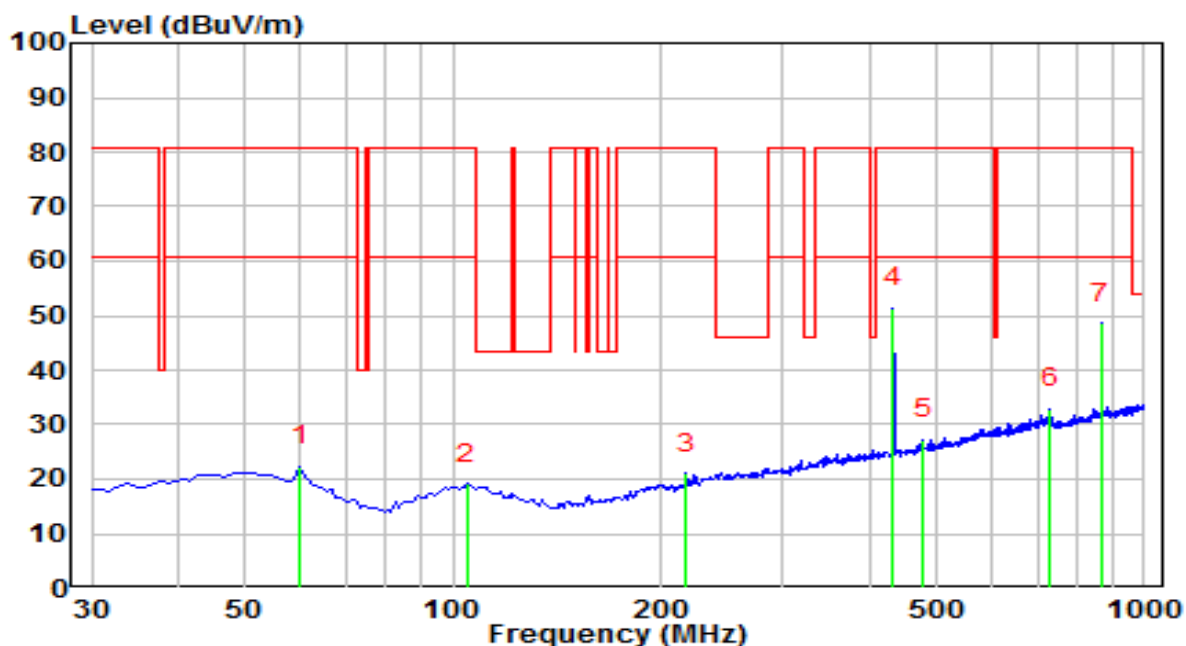


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	47.460	1.12	20.47	21.59	-59.23	80.82	100	297	Peak
2	107.600	1.07	18.33	19.40	-61.42	80.82	100	149	Peak
3	* 243.400	2.06	19.56	21.62	-24.38	46.00	100	147	Peak
4	385.020	2.25	22.89	25.14	-55.68	80.82	100	168	Peak
5	433.520	18.16	23.48	41.64	N/A	N/A	150	210	Peak
6	732.280	4.33	28.60	32.93	-47.89	80.82	150	298	Peak
7	868.080	12.05	30.71	42.76	-38.06	80.82	150	187	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. This frequency is 433.52MHz RF operating frequency.

EUT	Transmitter	Date of Test	2026-09-22
Factor	VULB 9162	Temp. / Humidity	24°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd Tsai
Test Mode	TX-433.92MHz	Test Voltage	By Battery
Limit	FCC Part15C_30MHz-1GHz		

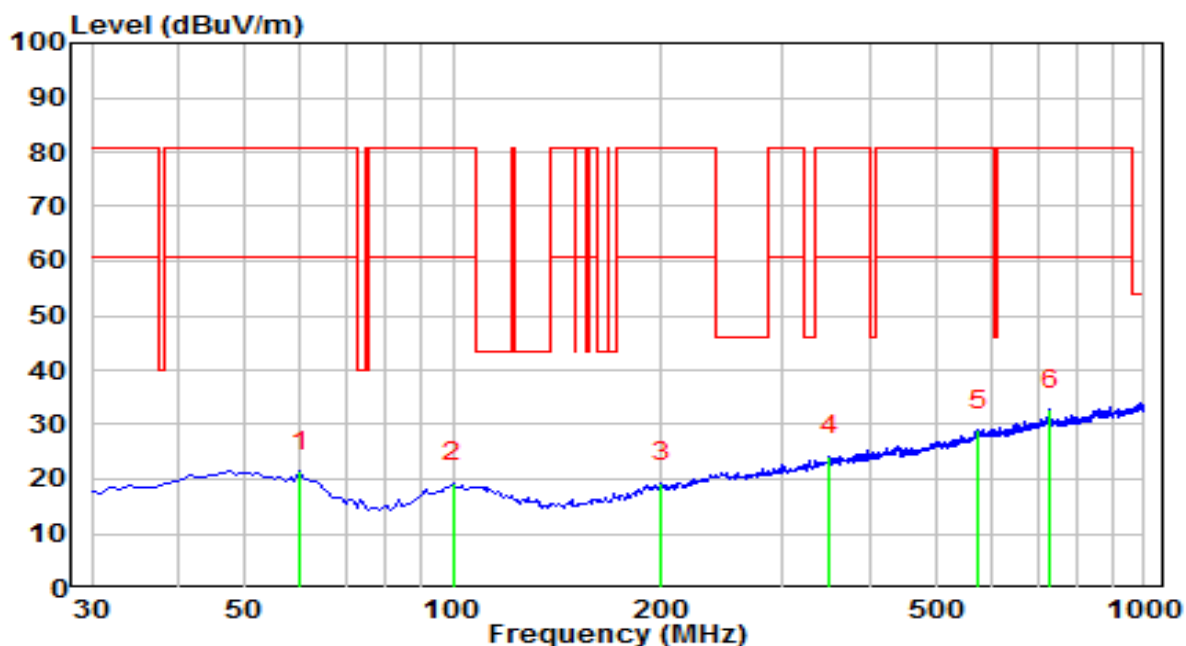


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	60.070	2.99	19.45	22.45	-58.37	80.82	100	339	Peak
2	104.690	0.70	18.38	19.08	-61.74	80.82	150	209	Peak
3	217.210	2.99	18.08	21.06	-59.76	80.82	150	260	Peak
4	433.520	27.89	23.48	51.37	N/A	N/A	100	260	Peak
5	479.110	2.93	24.40	27.33	-53.49	80.82	100	134	Peak
6	730.340	4.28	28.57	32.86	-47.96	80.82	100	134	Peak
7	* 868.080	17.84	30.71	48.55	-32.27	80.82	100	53	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. This frequency is 433.52MHz RF operating frequency.

EUT	Transmitter	Date of Test	2026-09-29
Factor	VULB 9162	Temp. / Humidity	24°C /63%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd Tsai
Test Mode	RX-433.92MHz	Test Voltage	By Battery
Limit	FCC Part15C_30MHz-1GHz		

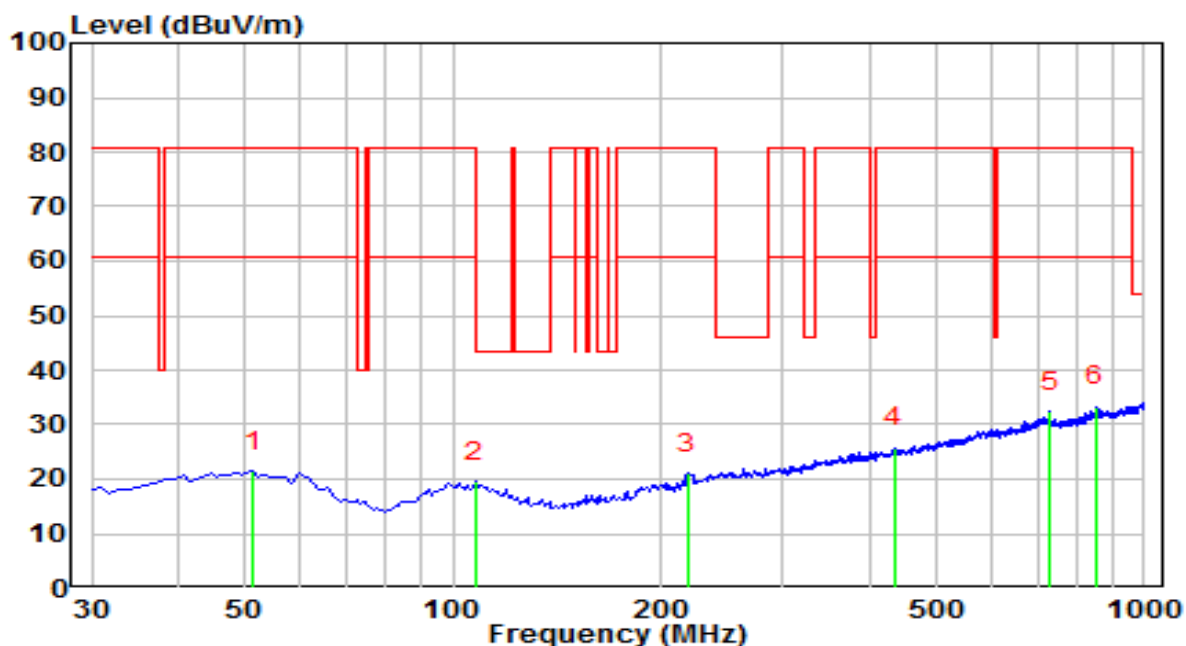


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	60.070	1.92	19.45	21.37	-59.45	80.82	100	178	Peak
2	99.840	1.00	18.42	19.42	-61.40	80.82	100	136	Peak
3	199.750	1.33	17.97	19.30	-61.52	80.82	100	278	Peak
4	350.100	1.93	22.34	24.27	-56.55	80.82	150	308	Peak
5	575.140	2.77	26.24	29.02	-51.80	80.82	150	271	Peak
6	* 731.310	4.24	28.59	32.82	-48.00	80.82	150	52	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Transmitter	Date of Test	2026-09-29
Factor	VULB 9162	Temp. / Humidity	24°C /63%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd Tsai
Test Mode	RX-433.92MHz	Test Voltage	By Battery
Limit	FCC Part15C_30MHz-1GHz		

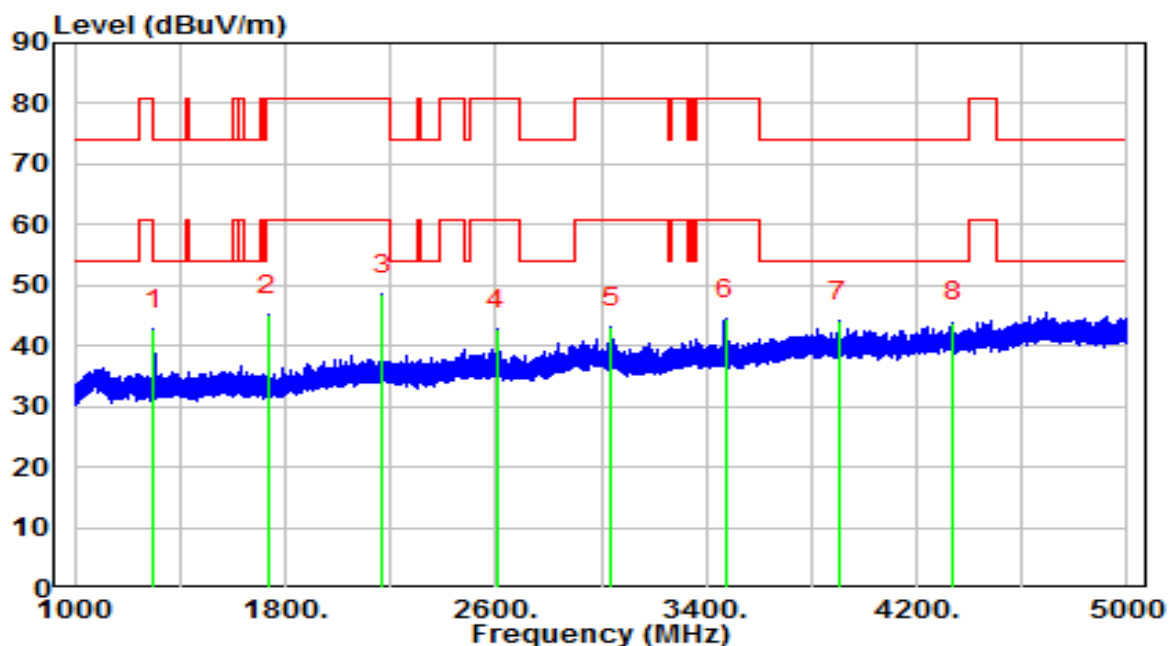


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	51.340	1.00	20.49	21.49	-59.33	80.82	100	48	Peak
2	107.600	1.17	18.33	19.50	-61.32	80.82	150	232	Peak
3	218.180	2.93	18.13	21.06	-59.76	80.82	100	90	Peak
4	434.490	2.20	23.49	25.69	-55.13	80.82	150	288	Peak
5	731.310	3.75	28.59	32.34	-48.48	80.82	150	150	Peak
6	* 849.650	2.70	30.63	33.34	-47.48	80.82	150	314	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Transmitter	Date of Test	2026-09-24
Factor	DRH18-E	Temp. / Humidity	25°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd Tsai
Test Mode	TX-433.92MHz	Test Voltage	By Battery
Limit	FCC Part15C_1GHz-5GHz		

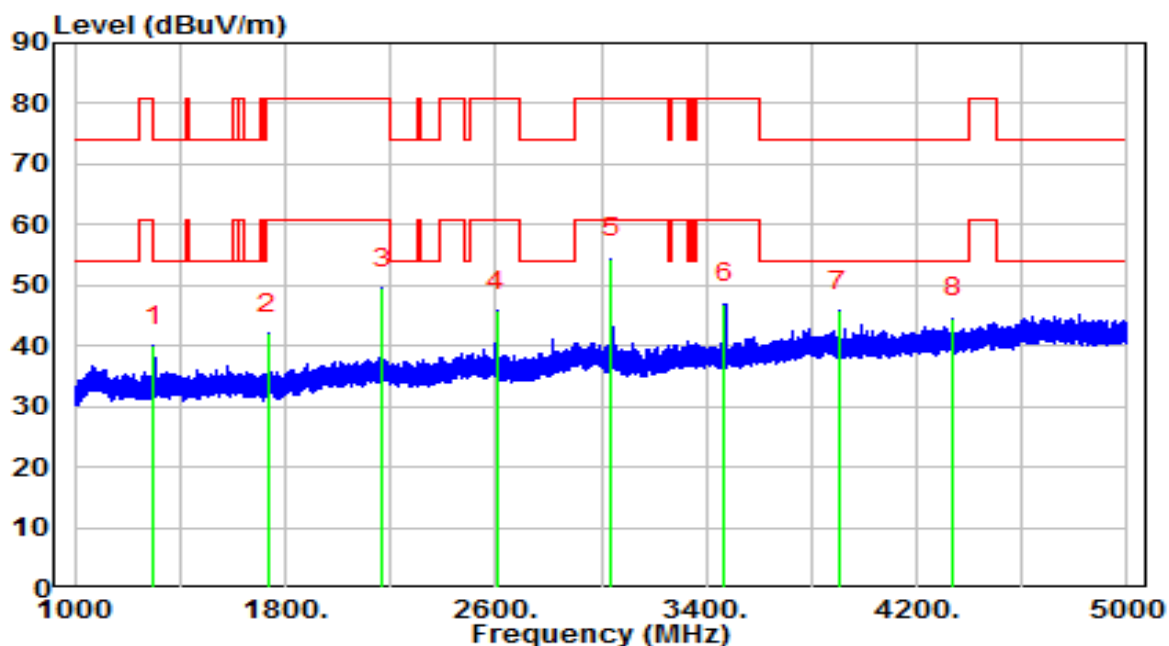


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1301.625	49.77	-7.08	42.69	-31.31	74.00	200	174	Peak
2	1735.625	51.19	-6.18	45.01	-35.81	80.82	200	158	Peak
3	2169.625	52.30	-3.87	48.43	-32.39	80.82	200	360	Peak
4	2603.625	45.39	-2.68	42.72	-38.10	80.82	200	188	Peak
5	3037.500	44.07	-0.95	43.12	-37.70	80.82	200	306	Peak
6	3472.000	44.81	-0.35	44.46	-36.36	80.82	200	185	Peak
7	* 3905.625	42.84	1.17	44.01	-29.99	74.00	200	54	Peak
8	4339.875	41.73	2.10	43.82	-30.18	74.00	200	342	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Transmitter	Date of Test	2026-09-24
Factor	DRH18-E	Temp. / Humidity	25°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd Tsai
Test Mode	TX-433.92MHz	Test Voltage	By Battery
Limit	FCC Part15C_1GHz-5GHz		

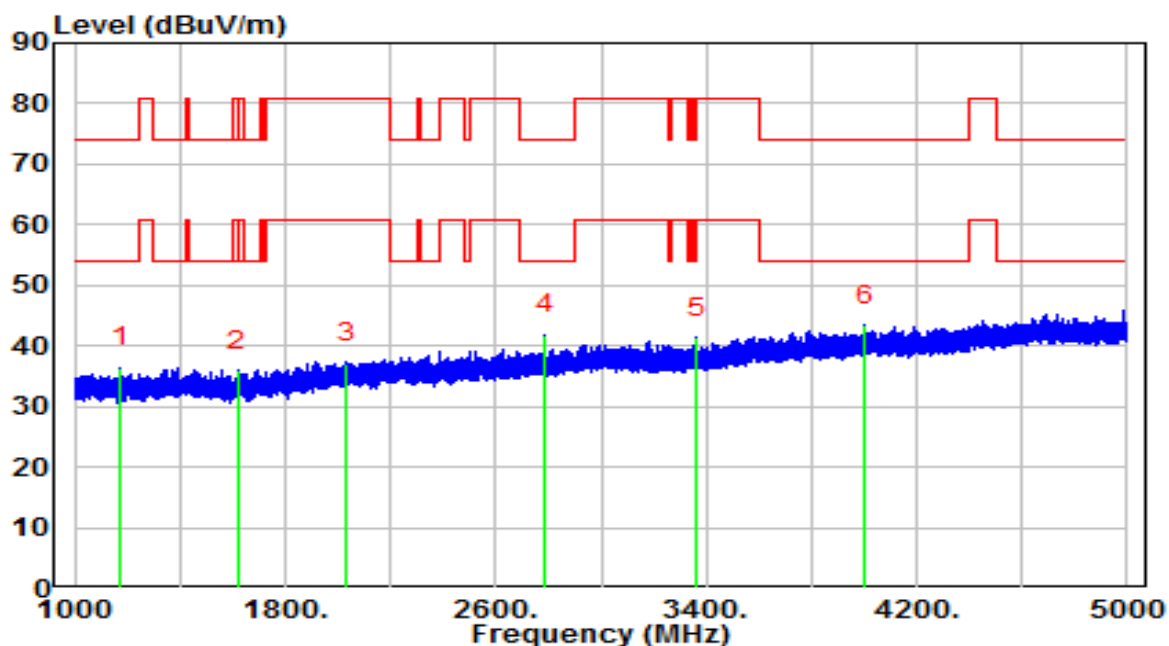


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1301.750	47.04	-7.08	39.96	-34.04	74.00	200	150	Peak
2	1735.750	48.24	-6.18	42.06	-38.76	80.82	200	61	Peak
3	2169.625	53.34	-3.87	49.46	-31.36	80.82	200	78	Peak
4	2603.625	48.47	-2.68	45.79	-35.03	80.82	200	278	Peak
5	* 3037.875	55.45	-0.95	54.50	-26.32	80.82	200	270	Peak
6	3471.250	47.36	-0.35	47.01	-33.81	80.82	200	158	Peak
7	3905.375	44.55	1.17	45.72	-28.28	74.00	200	128	Peak
8	4339.500	42.48	2.10	44.58	-29.42	74.00	200	302	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Transmitter	Date of Test	2026-09-29
Factor	DRH18-E	Temp. / Humidity	25°C /61%
Polarity	Horizontal	Site / Test Engineer	AC1 / Todd Tsai
Test Mode	RX-433.92MHz	Test Voltage	By Battery
Limit	FCC Part15C_1GHz-5GHz		

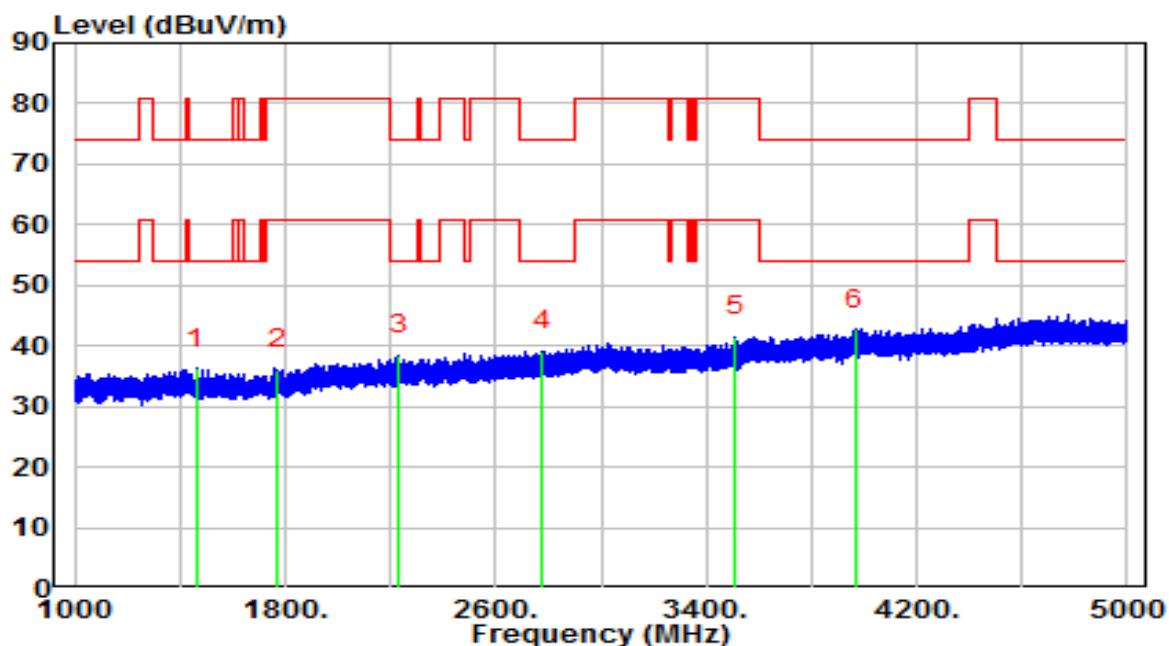


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1174.250	43.97	-7.59	36.38	-37.62	74.00	200	189	Peak
2	1617.875	42.54	-6.62	35.92	-38.08	74.00	200	42	Peak
3	2035.000	41.40	-4.31	37.10	-43.72	80.82	200	270	Peak
4	2790.000	43.84	-1.95	41.90	-32.10	74.00	200	348	Peak
5	3361.750	41.96	-0.63	41.32	-39.50	80.82	200	70	Peak
6	* 4002.875	41.45	1.88	43.33	-30.67	74.00	200	316	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	Transmitter	Date of Test	2026-09-29
Factor	DRH18-E	Temp. / Humidity	25°C /61%
Polarity	Vertical	Site / Test Engineer	AC1 / Todd Tsai
Test Mode	RX-433.92MHz	Test Voltage	By Battery
Limit	FCC Part15C_1GHz-5GHz		



No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1463.000	42.92	-6.63	36.29	-37.71	74.00	200	352	Peak
2	1770.000	42.19	-6.03	36.16	-44.66	80.82	200	327	Peak
3	2232.125	42.06	-3.67	38.39	-35.61	74.00	200	61	Peak
4	2775.500	41.10	-2.00	39.10	-34.90	74.00	200	55	Peak
5	3512.250	41.65	-0.07	41.58	-39.24	80.82	200	229	Peak
6	* 3969.000	41.24	1.55	42.79	-31.21	74.00	200	269	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

A.2 20 dB / 99% Bandwidth Test Result

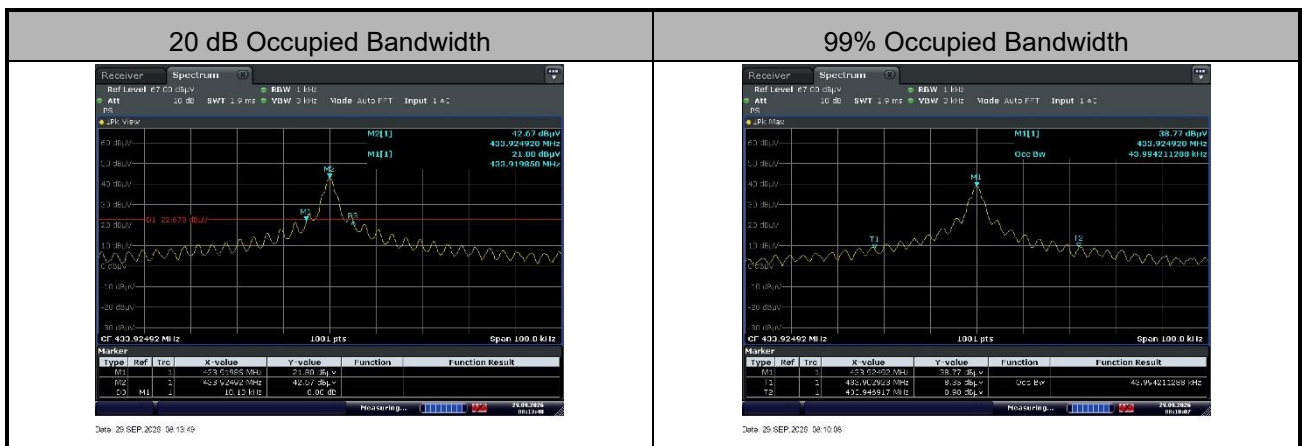
Test Site	AC1	Test Date	2026-09-29
Test Engineer	Todd Tsai		

Test Frequency (MHz)	20dB Bandwidth (kHz)	99% Bandwidth (kHz)	Limit (kHz)	Result
433.92	10.130	43.994	≤ 1085	Pass

Note:

Limit = Fundamental Frequency * 0.25%, 433.92 MHz * 0.25% = 1.085MHz

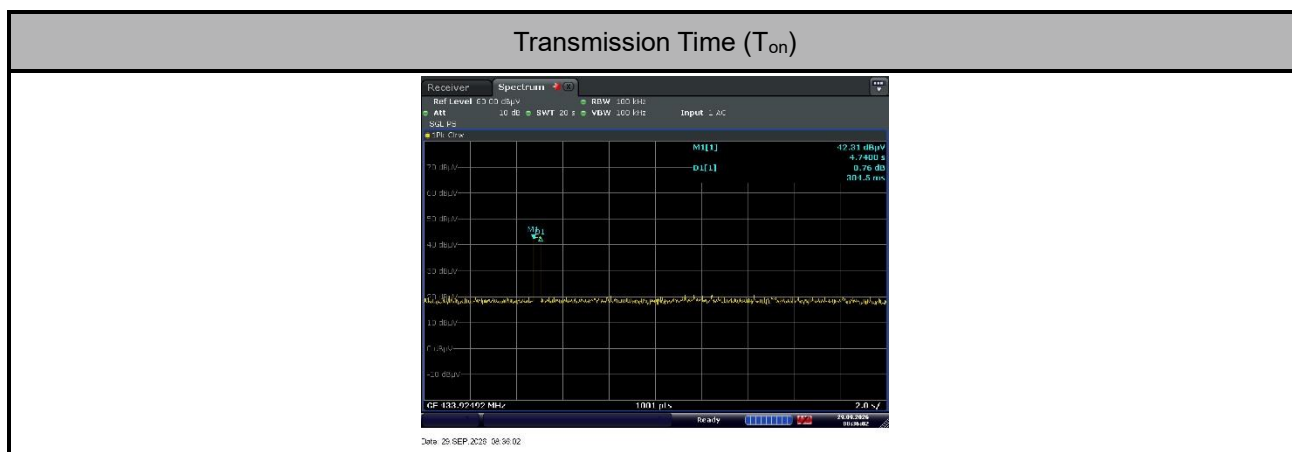
1.085MHz * 1000= 1085kHz



A.3 Transmission Time Test Result

Test Site	AC1	Test Date	2026-09-29
Test Engineer	Todd Tsai		

Frequency (MHz)	Measurement (s)	Limit (s)	Result
433.92	0.3045	< 5	Pass



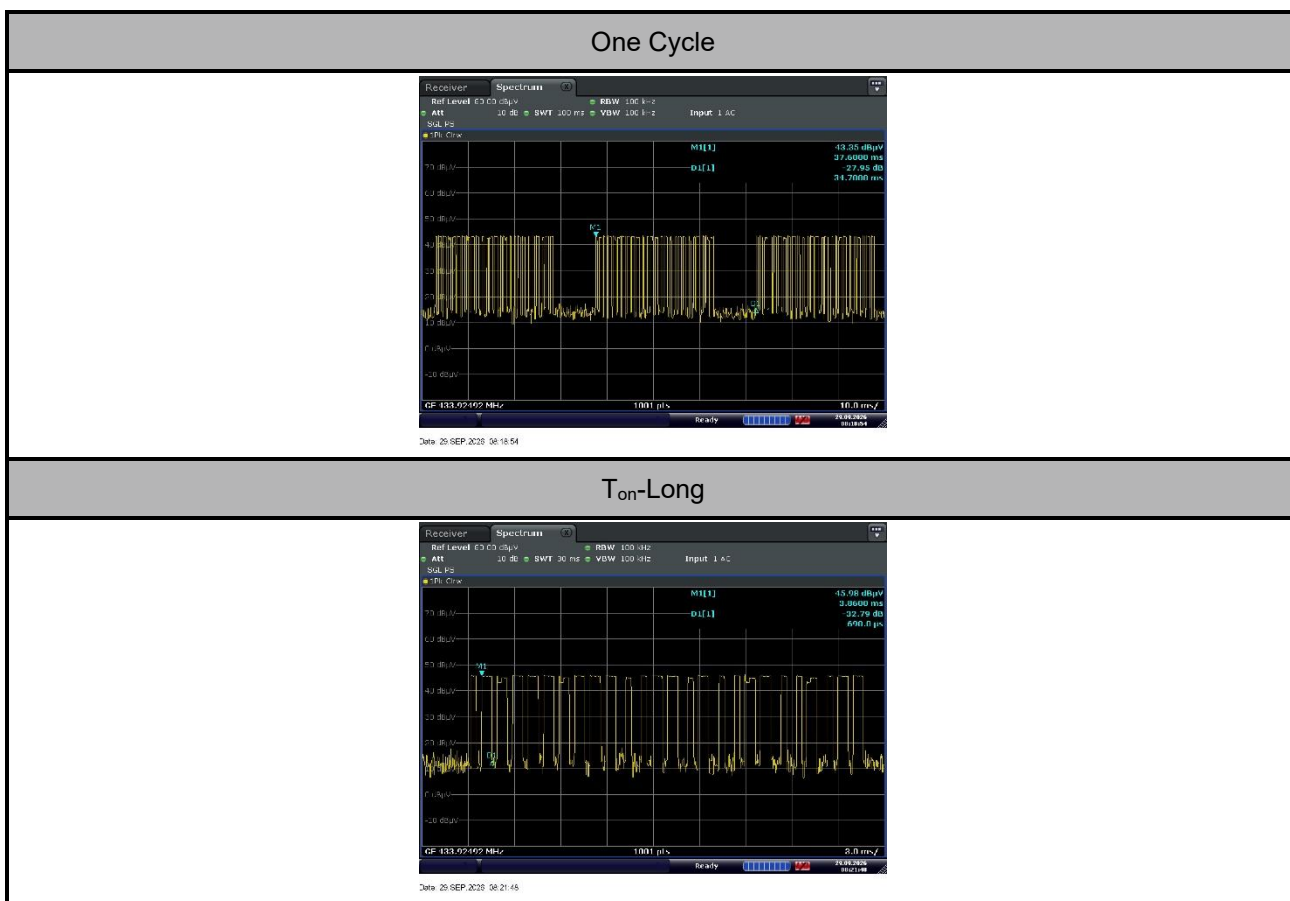
A.4 Duty Cycle Test Result

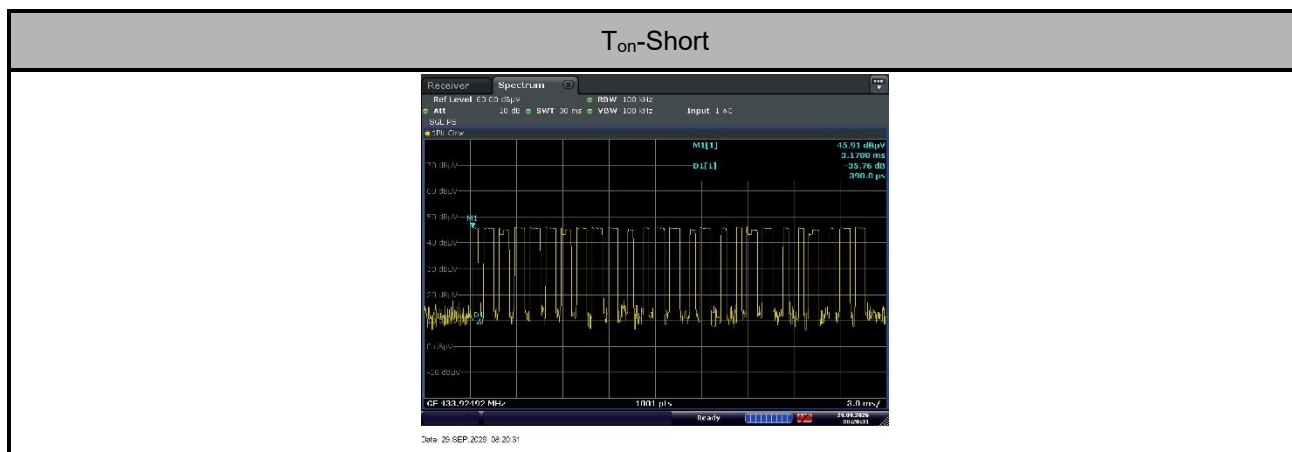
Test Site	AC1	Test Date	2026-09-29
Test Engineer	Todd Tsai		

Frequency (MHz)	Total Time (T _{on}) (ms)	The duration of one cycle (ms)	Duty Cycle (Ratio)	Result
433.92	15.24	34.70	0.44	Pass

Note 1: Duty Cycle = Total Time (Ton) / (Ton + Toff).

Note 2: Total Time (Ton) = (Long 690us*17) + (Short 390us*9) = 15240us, 15240us / 1000 = 15.24ms





A.5 AC Conducted Emissions Test Result

Note: The EUT Power by Battery, so do not need to test Conducted Emissions.

Appendix B - Test Setup Photograph

Refer to “ 2609TW5401-UT” file.

Appendix C - External Photograph

Refer to “2609TW5401-UE” file.

Appendix D - Internal Photograph

Refer to “2609TW5401-UI” file.

_____ The End _____