

FCC RF Test Report

For

RF module

Brand Name : Gwell
Model No. : GW-LLCC68S1-F01H0-S
Series No. : GW-SX1262S1-F01H0-S
FCC ID : 2AEMSGWLORA-A0
Date of Receipt : July 9, 2025
Date of Report : Dec 18, 2025

Prepared for

GWELL TECHNOLOGY CO., LTD.

2 F.-4, No. 14, Lane. 609, Sec. 5, Chung Hsin Rd., San Chong Dist., New Taipei City



Prepared by

Central Research Technology Co.(417590)

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Verification of Compliance

Equipment under Test : RF module
Model No. : GW-LLCC68S1-F01H0-S
Series No. : GW-SX1262S1-F01H0-S
FCC ID : 2AEMSGWLORA-A0
Applicant : GWELL TECHNOLOGY CO., LTD.
Address : 2 F.-4, No. 14, Lane. 609, Sec. 5, Chung Hsin Rd.,
San Chong Dist., New Taipei City
Applicable Standards : 47 CFR part 15, Subpart C
ANSI C63.10:2020
Date of Testing : July 16 ~ Dec 18, 2025
Deviation : The method, configuration and arrangement of the tests are
following the requirement of customer and the applicable
standards cited above.
Condition of Test Sample : Mass Production

We, **Central Research Technology Co.**, hereby certify that one sample of the designated product was tested in our facility during the period mentioned above. The test records, data evaluation and Equipment Under Test (EUT) configurations shown in the present report are true and accurate representation of the measurements of the sample's RF characteristics under the conditions herein specified.

The test results show that the EUT as described in the present report is in compliance with the requirements set forth in the standards mentioned above and apply to the tested sample identified in the present report only. The test report shall not be reproduced, except in its entirety, without the written approval of Central Research Technology Co.

Certain product information in this report has been provided by the applicant. The laboratory is not responsible for the authenticity of this information, and such information may affect the validity of the test results contained in this report. Each test item in this report has been conducted in strict accordance with the referenced test standards and procedures, without any deviation. The results presented herein are based solely on the tested sample(s) under the stated conditions.

Prepared By

: Weitin Chen
(Weitin Chen / Report Producer)

Date

: Dec.18.2025

Approved By

: Sam Chien
(Sam Chien / Authorized Signatory)

Date

: Dec.18.2025

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1 General Description

1.1 General Description of EUT

Equipment under Test : RF module
Model No. : GW-LLCC68S1-F01H0-S
Series No. : GW-SX1262S1-F01H0-S
Test Power in : 3.3Vdc
Channel Numbers : 30
Frequency Range : 902 ~ 928 MHz
Modular Function : FSK
Test SW : GwellLora

*The circuit design and Bill of Materials (BOM) are identical across all three models, with differences in receiver sensitivity controlled solely via software. The table below shows the output power for each model. Among them, the GW-LLCC68S1-F01H0-S has the highest output power; therefore, it has been selected as the primary model for testing.

Mode	Output Power (dBm)
GW-LLCC68S1-F01H0-S	2.67
GW-SX1262S1-F01H0-S	1.51

Model difference

Model	GW-LLCC68S1-F01H0-S	GW-SX1262S1-F01H0-S
Dimension	4.0*4.0 (mm)	4.0*4.0 (mm)
Sensitivity	-129 dBm	-148 dBm
Antenna	Dipole / PCB	Dipole / PCB

Channel List

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
1	905.00	9	913.00	17	920.90	25	922.90
2	906.00	10	914.00	18	921.10	26	923.10
3	907.00	11	915.00	19	921.40	27	923.40
4	908.00	12	916.00	20	921.60	28	923.60
5	909.00	13	917.00	21	921.90	29	923.90
6	910.00	14	918.00	22	922.10	30	924.10
7	911.00	15	919.00	23	922.40		
8	912.00	16	920.60	24	922.60		

Description:

Information provided directly by the manufacturer shall be clearly identified in the test report. This includes, but is not limited to, antenna model and gain, hardware or model variations, supported channel list, and power configuration settings. Such information is supplied by the manufacturer and marked accordingly to distinguish it from test results obtained during the evaluation.

1.2 Applied standards

(1) Peak Output Power Measurement

According to §15.247 (3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(c) Operation with directional antenna gains greater than 6 dBi.

(1) Fixed point-to-point operation:

(i) Systems operating in the 2400-2483.5 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

(ii) Systems operating in the 5725-5850 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted output power.

(2) Radiated emission measurements

According to §15.247(d), all other emissions outside these bands shall not exceed the general radiated emission limits specified in §15.209(a). And according to §15.33(a)(1), for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

(3) 100kHz Bandwidth of Band Edges Measurement

According to §15.247(d), in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

(4) 6dB Bandwidth

According to §15.247(a)(2), Systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725 - 5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500kHz.

(5) Peak Power Spectral Density

According to §15.247(e) For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

(6) Conduction Emission Requirement

For intentional device, according to FCC 15.207(a), line conduction emission limit is as below table.

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 - 5	56	46
5 - 30	60	50

* Decreases with the logarithm of the frequency.

(7) Antenna Requirement

According to FCC 15.203, An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall 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 manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

1.3 Test result

Test Item	FCC standard section	Report section	Test result
Peak Output Power Measurement	§15.247(b) (3), (4)	2	Compliant
6dB Bandwidth	§15.247(a)(2)	3	Compliant
Peak Power Spectral Density	§15.247(e)	4	Compliant
100kHz Bandwidth of Band Edges Measurement	§15.247(d)	5	Compliant
Radiated emission measurement	§15.247(d)	6	Compliant
Conduction Emission Requirement	§15.207(a)	7	Compliant
Antenna Requirement	§15.203	8	Compliant

According to ANSI C63.10, determining compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

1.4 The Support Units

For Radiation

No.	Unit	Trade Name	Model No.	Power Code	Supported by lab.
1	Notebook	hp	ProBook 6470b	1.8m	--
2	Kit	NA	NA	--	√

For Conduction

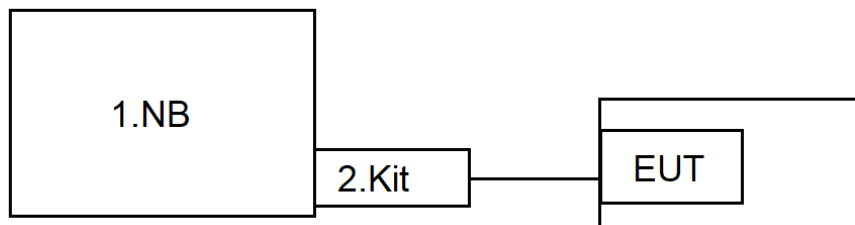
No.	Unit	Trade Name	Model No.	Power Code	Supported by lab.
1	AC to DC	MEAN WELL	RSP-150-3.3	3m	√

Connecting Cables :

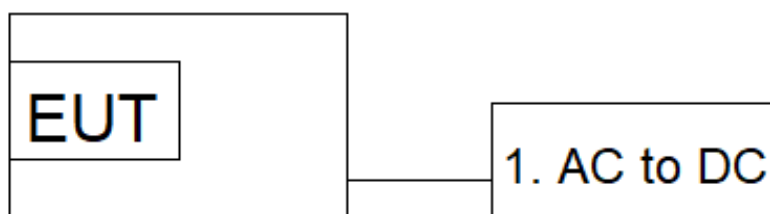
No.	Cable	Length	Shielded	Core	Shielded Backshell	Supported by lab.	Note
--	--	--	--	--	--	--	--

1.5 Layout of Setup

For Radiation



For Conduction



1.6 Test Instruments

RF conducted emission Test

Test Site and Equipment	Manufacturer	Model No. /Serial No.	Last Calibration Date	Calibration Due Date
Spectrum Alayzer	R&S	FSV40/ 101609	2024/10/17 2025/10/22	2025/10/16 2026/10/21
Power Meter	Agilent	E4417A/ GB41290871	2025/3/17	2026/3/16
Power sensor	Agilent	E9327A/ US40440935	2025/3/17	2026/3/16
8-Port Modules for Switch Units	R&S	OSP-B157W8/ 100926	2024/10/15	2026/10/14
RF Cable	JMCA	MWX/ C0150~C0153, C0161~C0163	2025/6/4	2026/6/3
Test software	R&S	EMC32/ V11.10.00	NCR	NCR
Semi-anechoic chamber	N/A	TR13	NCR	NCR

Note:

1. The calibrations are traceable to NML/ROC.
2. NCR : No Calibration Required.

Radiated Emission Test (Below 1GHz)

Test Site and Equipment	Manufacturer	Model No. /Serial No.	Last Calibration Date	Calibration Due Date
EMI Receiver	R&S	ESCS30/ 836858/020	2024/11/08 2025/11/19	2025/11/07 2026/11/19
Spectrum Alayzer	Agilent	E4407B/ MY45106795	2025/7/11	2026/7/10
Antenna	SCHWARZBECK & Mini-Circuits	VULB 9168 & BW-N5W5+/ VULB 9168-668 & 003	2025/6/11	2026/6/10
Loop Antenna	EMCO	6502/ 00020558	2024/9/9 2025/9/12	2025/9/8 2026/9/11
Pre-amplifer	Mini-circuit	ZKL-1R5+/ 004	2025/3/25 2025/9/24	2025/9/24 2026/3/23
RF cable	JYEBAO	C0164 + C0080-1 + C0080- 2+RSU(CRC- 011/11)+C0080-3	2025/3/25 2025/9/24	2025/9/24 2026/3/23
Test software	Audix	e3/ V6.110303a2	NCR	NCR
Semi-anechoic chamber	ETS. LINDGREN	TR11/ 906-A	2025/6/4	2026/6/3

Note:

1. The calibrations are traceable to NML/ROC.
2. NCR : No Calibration Required.
3. The calibration date of the semi-anechoic chamber listed above is the date of NSA measurement.

Radiated Emission Test (Above 1 GHz)

Test Site and Equipment	Manufacturer	Model No. /Serial No.	Last Calibration Date	Calibration Due Date
Antenna	EMCO	3117/ 0082847	2024/11/28 2025/12/09	2025/11/27 2026/12/08
Pre-amplifier	MITEQ	TTA1800-30-HG- N-M/ 1904295	2025/5/5	2026/5/4
RFcable	Suhner	Sucoflex 106P / C0091	2024/9/30 2025/9/29	2025/9/29 2026/9/28
RFcable	JMCA	MWX241/B/ C0103~C0104	2024/4/15 2025/4/18	2025/4/14 2026/4/17
MXA signal analyzer	KeySight	N9020A/ MY54420147	2025/4/18	2026/4/17
Test software	Audix	e3/ V9 20150907c	NCR	NCR
Semi-anechoic chamber	ETS. LINDGREN	TR1/ 17627-B	2024/12/2 2025/11/22	2025/12/1 2026/11/21

Note:

1. The calibrations are traceable to NML/ROC.
2. NCR : No Calibration Required.
3. The calibration date of the chamber TR1 listed above is the date of site VSWR measurement.

AC conducted emission Test

Test Site and Equipment	Manufacturer	Model No. /Serial No.	Last Calibration Date	Calibration Due Date
Test Receiver	R&S	ESR/ 102550	2025/4/29	2026/4/28
LISN	R&S	ENV4200/ 833209/010	2025/7/30	2026/7/26
RF Cable	JYEBAO	0214/ C0052 ~ 54	2025/3/27 2025/9/26	2025/9/26 2026325
Test Software	Audix	e3/ V6.110303a2	NCR	NCR
Shielded room	ETS.LINDGREN	TR5/ 15353-F	NCR	NCR

Note:

1. The calibrations are traceable to NML/ROC.
2. NCR : No Calibration Required.

1.7 Test Capability

Test Facility

The test facility used for evaluating the conformance of the EUT with each standard in the present report meets what required in CISPR16 series and ANSI C63.4:2014 amended as per ANSI 63.4a:2017.

Test Room	Type of Test Room	Descriptions
TR1	10m semi-anechoic chamber	For the radiated emission measurement (above 1GHz)
TR11	3m semi-anechoic chamber	For the radiated emission measurement (below 1GHz)
TR13	Test Site	For the RF conducted emission measurement.
TR5	Shielding Room	For the conducted emission measurement.
TR20	Shielding Room	

Test Laboratory Competence Information

Central Research Technology Co. has been accredited / filed / authorized by the agencies listed in the following table.

Certificate	Nation	Agency	Code	Mark
Accreditation Certificate	USA	NVLAP	200575-0	ISO/IEC 17025
	USA	FCC	TW1104, TW0019	ISO/IEC 17025
	R.O.C. (Taiwan)	TAF	0905	ISO/IEC 17025
	R.O.C. (Taiwan)	BSMI	SL2-IN-E-0033, SL2-IS-E-0033, SL2-R1/R2-E-0033, SL2-A1-E-0033, SL2-L1-E-0033	ISO/IEC 17025
	Canada	ISED	TW0905	ISO/IEC 17025
Site Filing Document	Japan	VCCI	R-11527,C-11609,T-11441, G-10010,C-20010, G-10614, T-20009	Test facility list & NSA Data
Authorization Certificate	Germany	TUV	UA 50235497	ISO/IEC 17025

The copy of each certificate can be downloaded from our web site: www.crc-lab.com

1.8 Measurement Uncertainty

In accordance with FCC KDB 414788 D01 Measurement Uncertainty and ANSI C63.10 / ANSI C63.4, the measurement uncertainties are evaluated and reported. The calculations follow ISO/IEC Guide 98-3 (GUM) and CISPR 16-4-2 to obtain the combined standard uncertainty u_c and the expanded uncertainty $U = k \cdot u_c$ with coverage factor $k \approx 2$ (approximately 95% confidence). Per FCC KDB 414788 D01, compliance is determined by direct comparison of the measured results to the applicable limits; measurement uncertainty is not used to adjust either the measured values or the limits. The expanded uncertainties for each measurement are reported below for information and quality reporting purposes..

Test Item	Measurement Uncertainty	
Occupied Channel Bandwidth	0.6 %	
RF output power, conducted	0.8 dB	
Radiated Emission: (9kHz~30MHz)	Horizontal ± 2.86 dB ; Vertical ± 2.88 dB	
Radiated Emission: (30MHz~1000MHz)	Horizontal ± 4.54 dB ; Vertical ± 6.26 dB	
Radiated Emission: (1GHz~6GHz)	Horizontal ± 4.70 dB ; Vertical ± 4.56 dB	
Radiated Emission: (6GHz~18GHz)	Horizontal ± 4.76 dB ; Vertical ± 4.64 dB	
Radiated Emission: (18GHz~40GHz)	Horizontal ± 4.94 dB ; Vertical ± 4.96 dB	
Line Conducted Emission	NSLK-8128-RC	± 2.92 dB
	ENV 4200	± 2.92 dB
	ESH2-Z5	± 2.96 dB

1.9 Duty factor

Model	ON time (ms)	Total time (ms)	Duty Cycle (%)	Duty Factor (dB)	1/Ton (ms)	VBW (kHz)
GW-LLCC68S1-F01H0-S	66.00	1002.00	0.07	11.81	0.02	0.10
GW-SX126S1-F01H0-S	66.00	1002.00	0.07	11.81	0.02	0.10

If duty cycle of test signal is $\geq 98\%$, duty factor is not required.

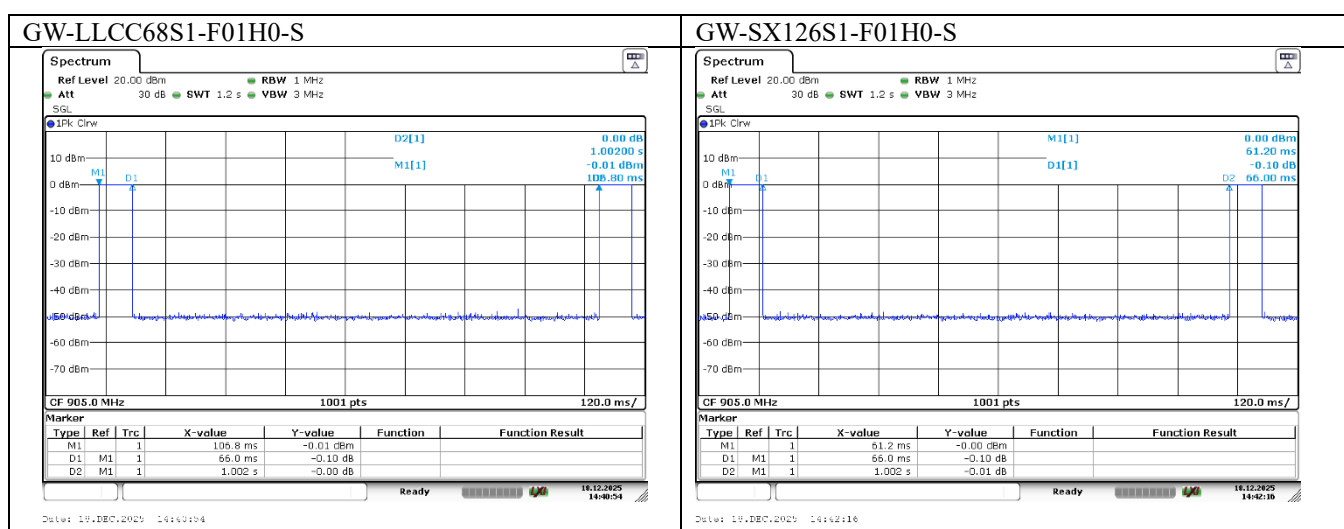
For frequency above 1GHz, the video bandwidth setting for average detector: VBW = 10Hz

If duty cycle of test signal is $< 98\%$, duty factor shall be considered.

For frequency above 1GHz, the video bandwidth setting for average detector: VBW $\geq 1/\text{Ton}$

The output power = measured power + duty factor

Test Data: LoRa Duty



2 Peak Output Power Measurement

Result: Pass

2.1 Applied standard

According to §15.247

(3) For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(c) Operation with directional antenna gains greater than 6 dBi.

(1) Fixed point-to-point operation:

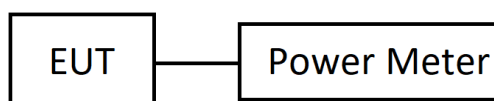
(i) Systems operating in the 2400-2483.5 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

(ii) Systems operating in the 5725-5850 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted output power.

2.2 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter or spectrum analyzer with proper instrument's parameters.
3. Record the max. reading.
4. Repeat above procedures until all frequency measured were complete.

2.3 Test configuration



2.4 Test Data

Test Mode : Continuous Transmitting	Tester : Hunter
Ambient Temperature : 26°C	Relative Humidity : 44%
Test Date : 2025/07/23 ~ 12/18	

GW-LLCC68S1-F01H0-S

Mode	Freq. (MHz)	Output Power (dBm)	Output Power Limit (dBm)
LoRa	905	2.19	30.00
	919	0.96	30.00
	924.1	2.67	30.00

GW-SX126S1-F01H0-S

Mode	Freq. (MHz)	Output Power (dBm)	Output Power Limit (dBm)
LoRa	905	1.51	30.00
	919	1.07	30.00
	924.1	0.85	30.00

3 6dB Bandwidth

Result: Pass

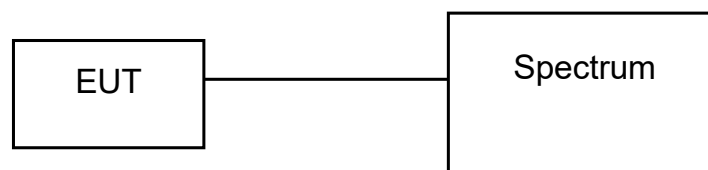
3.1 Applied standard

According to §15.247(a)(2), Systems using digital modulation techniques may operate in the 902 - 928 MHz, 2400 - 2483.5 MHz, and 5725 - 5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500kHz.

3.2 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as
Center Frequency: Set to nominal operating frequency of the EUT..
Span: $2 \times$ to $5 \times$ OBW (Occupied Bandwidth).
RBW: 1% to 5% of the OBW (typical: 100 kHz).
VBW: $\geq 3 \times$ RBW.
Detector: Peak.
Trace Mode: Max hold.
Sweep: Auto couple (no faster than coupled time).
Reference Level: Adjust to avoid exceeding mixer linear input range.
4. Allow the trace to stabilize.
5. Use the 6 dB BW measurement function (or manually place markers at -6 dB points).
6. Record the bandwidth value.

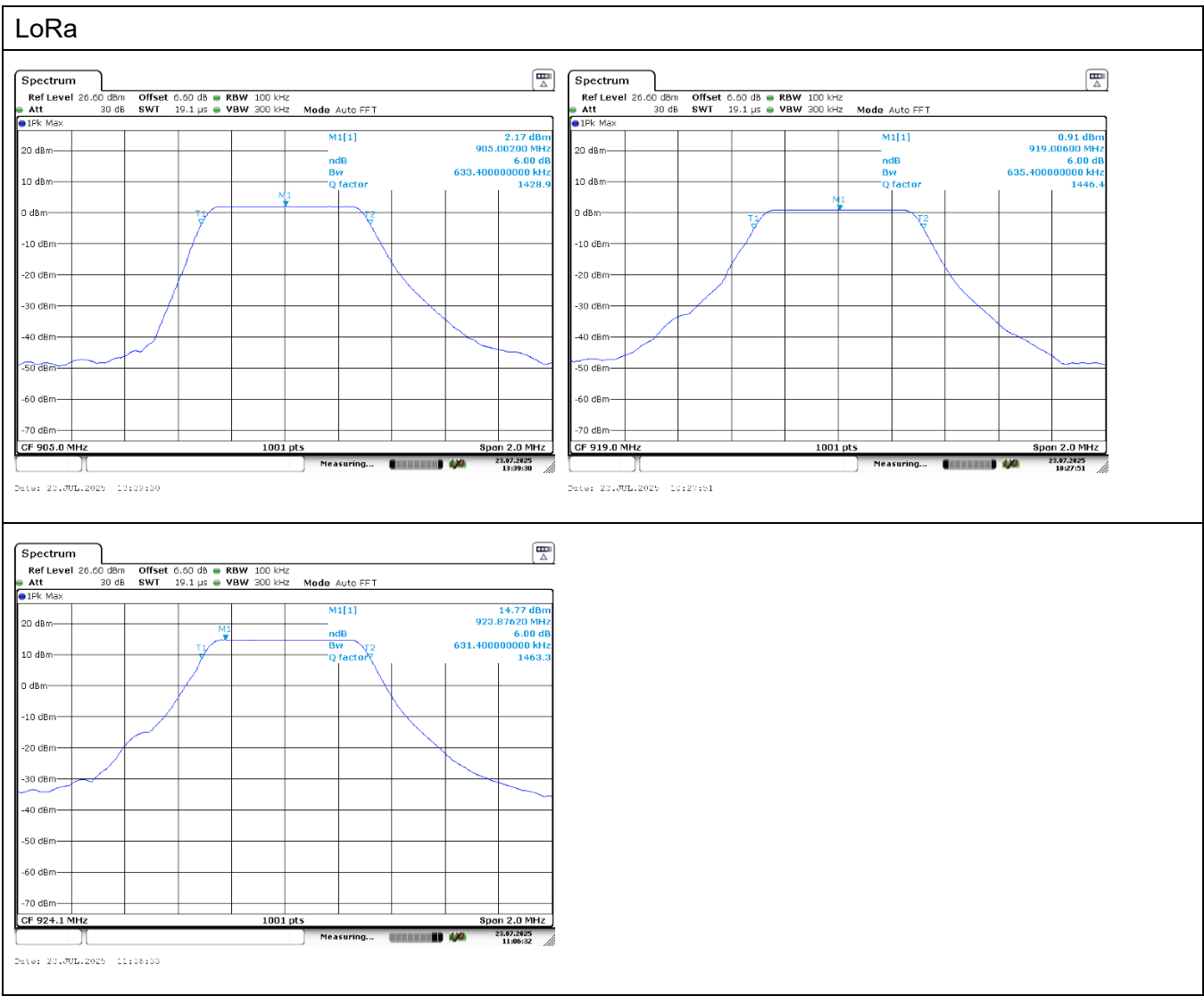
3.3 Test configuration



3.4 Test Data

Test Mode : Continuous Transmitting	Test Model : GW-LLCC68S1-F01H0-S
Ambient Temperature : 26℃	Relative Humidity : 44%
Tester : Hunter	Test Date : 2025/07/23

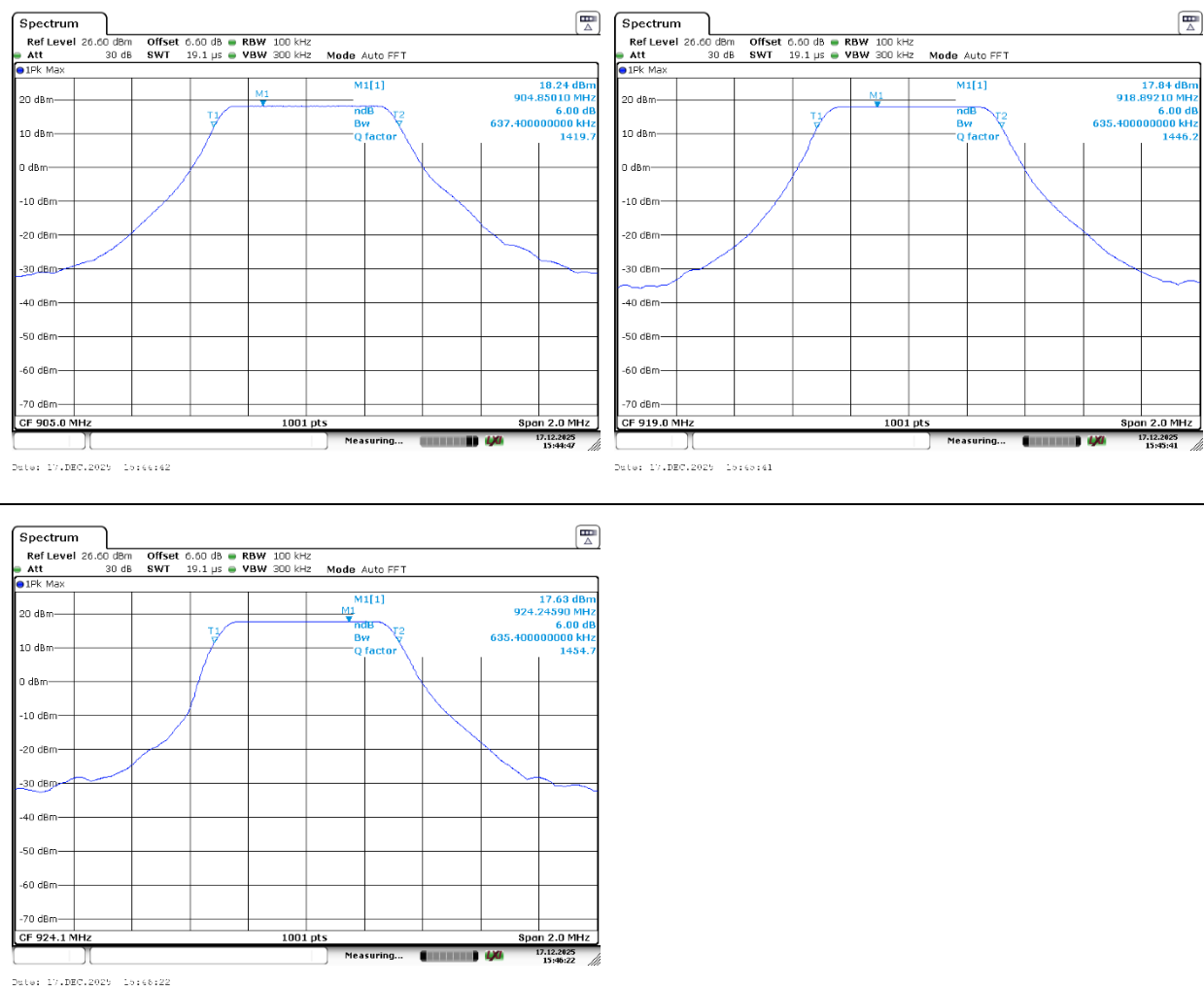
Mode	Frequency (MHz)	6dB Bandwidth (kHz)	6dB BW Limit (kHz)
LoRa	905	633.4	> 500
	919	635.4	> 500
	924.1	631.4	> 500



Test Mode : Continuous Transmitting	Test Model : GW-SX126S1-F01H0-S
Ambient Temperature : 26°C	Relative Humidity : 44%
Tester : Hunter	Test Date : 2025/12/17

Mode	Frequency (MHz)	6dB Bandwidth (kHz)	6dB BW Limit (kHz)
LoRa	905	637.4	> 500
	919	635.4	> 500
	924.1	635.4	> 500

LoRa



4 Peak Power Spectral Density

Result: Pass

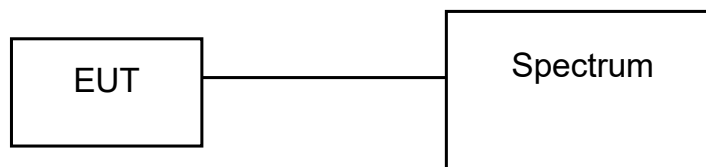
4.1 Applied standard

According to §15.247(e) For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

4.2 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set the spectrum analyzer as RBW =3kHz, VBW = 10kHz, Set the span to 1.5 DTS bandwidth., Sweep=Auto
4. Record the max. reading.
5. Repeat above procedures until all frequency measured were complete.

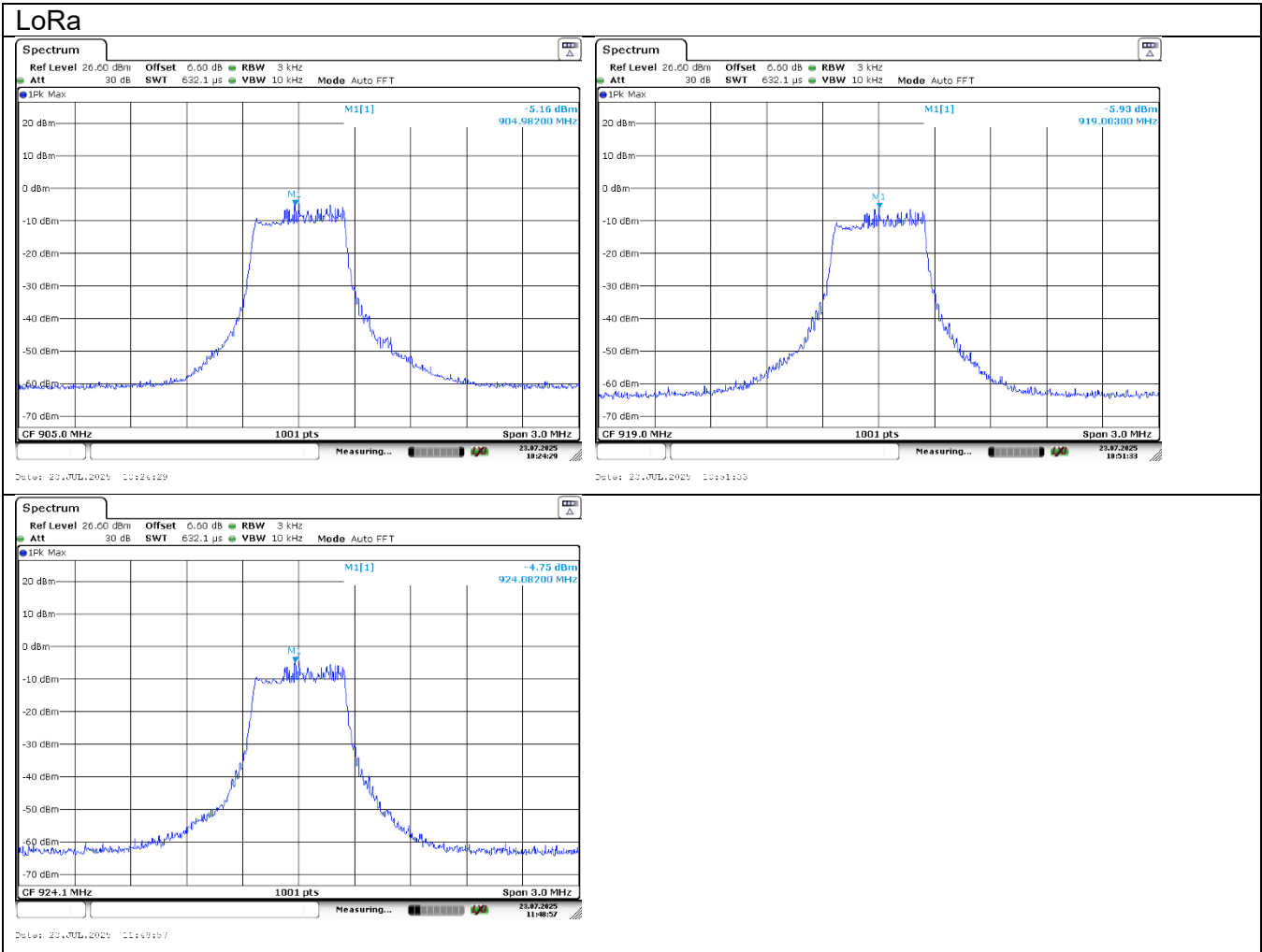
4.3 Test configuration



4.4 Test Data

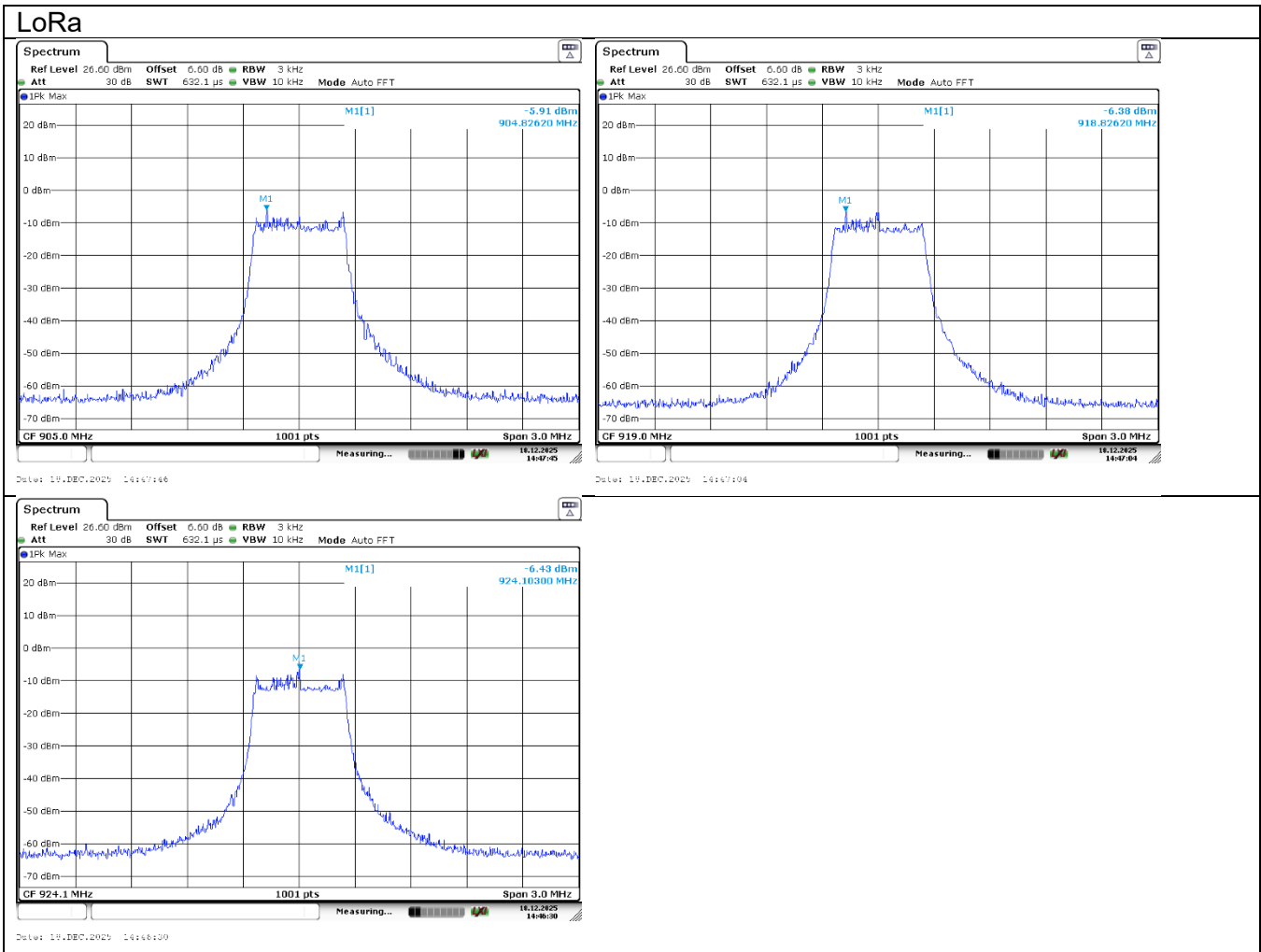
Test Mode : Continuous Transmitting	Test Model : GW-LLCC68S1-F01H0-S
Ambient Temperature : 26℃	Relative Humidity : 44%
Tester : Hunter	Test Date : 2025/07/23

Mode	Frequency (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)
LoRa	905	-5.16	8.00
	919	-5.93	8.00
	924.1	-4.75	8.00



Test Mode : Continuous Transmitting	Test Model : GW-SX126S1-F01H0-S
Ambient Temperature : 26℃	Relative Humidity : 44%
Tester : Hunter	Test Date : 2025/12/18

Mode	Frequency (MHz)	PSD (dBm/3kHz)	PSD Limit (dBm/3kHz)
LoRa	905	-5.91	8.00
	919	-6.38	8.00
	924.1	-6.43	8.00



5 Conducted Emission Measurement

Result: Pass

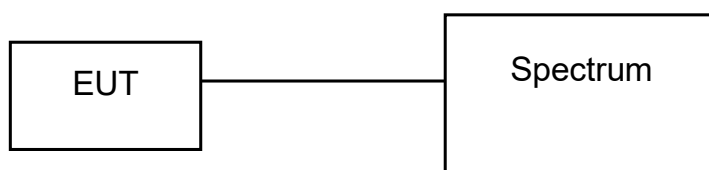
5.1 Applied standard

According to §15.247(d), in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

5.2 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set center frequency of spectrum analyzer = operating frequency.
4. Set the spectrum analyzer as RBW=1MHz, VBW $\geq$ 3*RBW (for Peak); VBW $\geq$ 1/Ton (for Average), Sweep = auto.
5. Mark Peak, 608MHz and 960MHz and record the max. level.
6. Repeat above procedures until all frequency measured were complete.

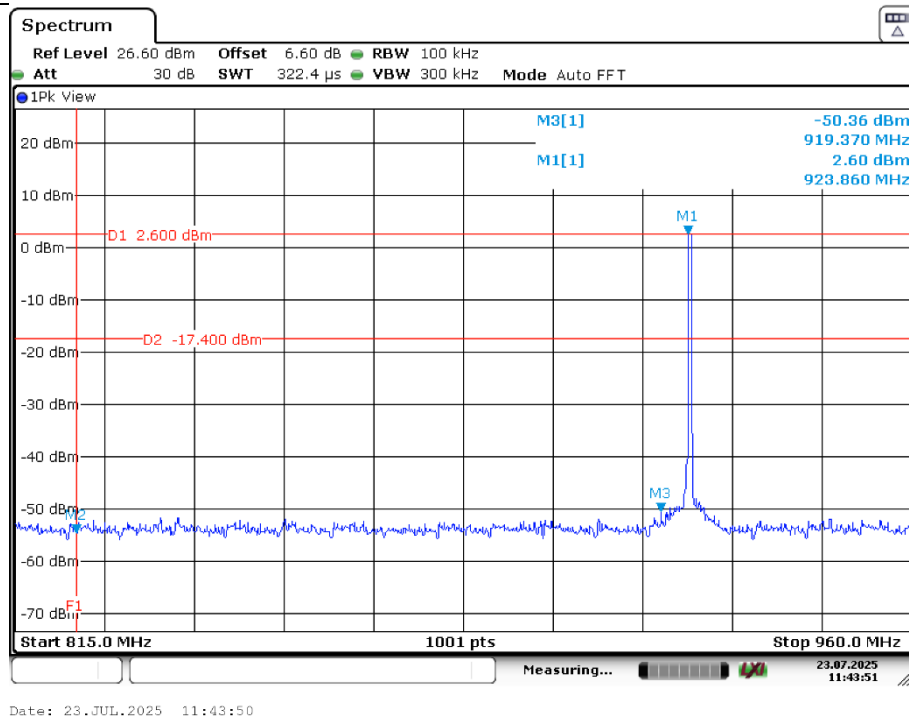
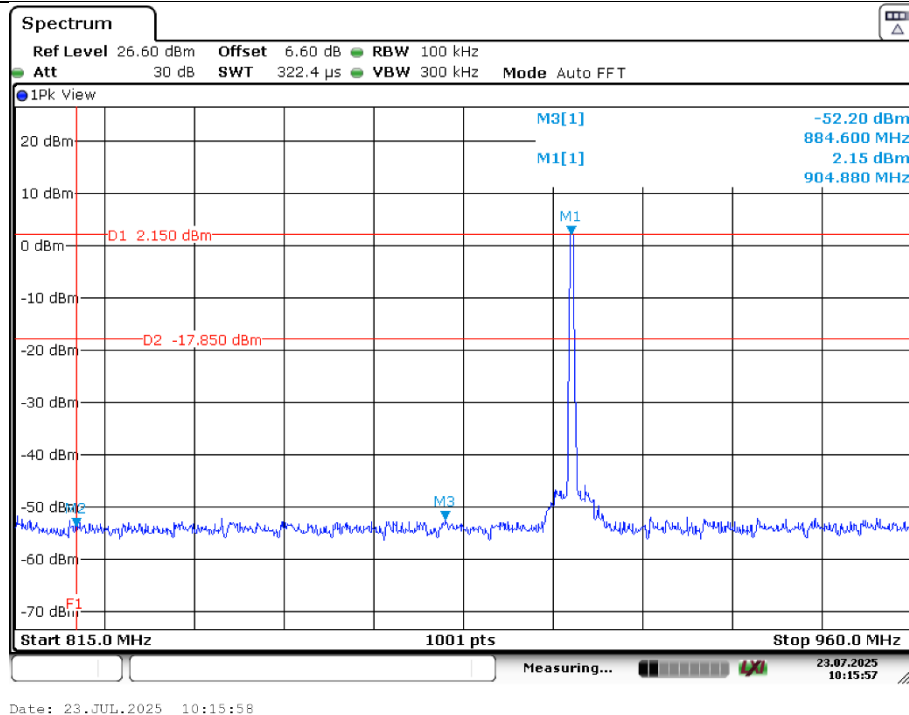
5.3 Test configuration



5.4 Test Data

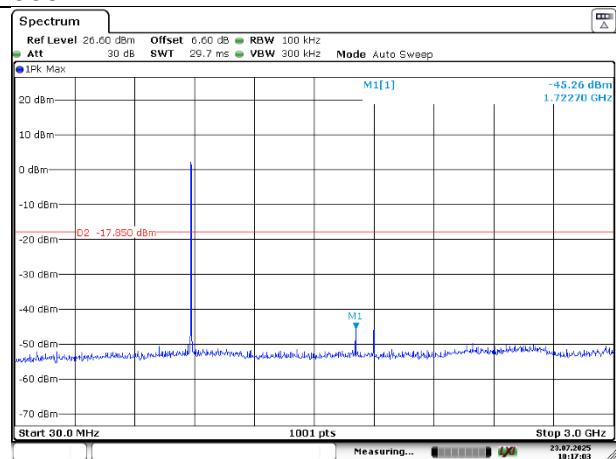
Test Mode : Continuous Transmitting	Test Model : GW-LLCC68S1-F01H0-S
Ambient Temperature : 26°C	Relative Humidity : 44%
Tester : Hunter	Test Date : 2025/07/23

Bandedge

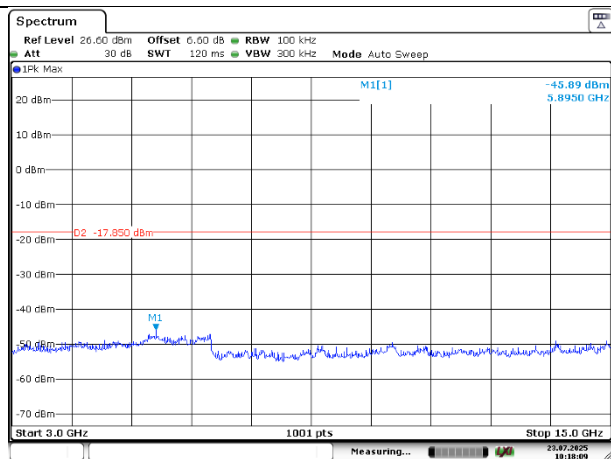


Unwanted Emission

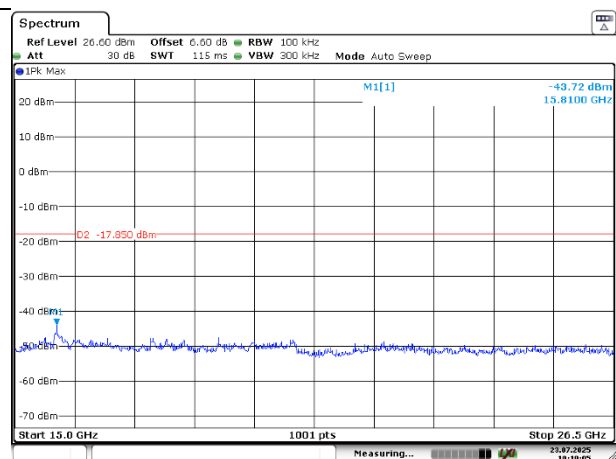
905 MHz



Date: 23.07.2025 18:17:03

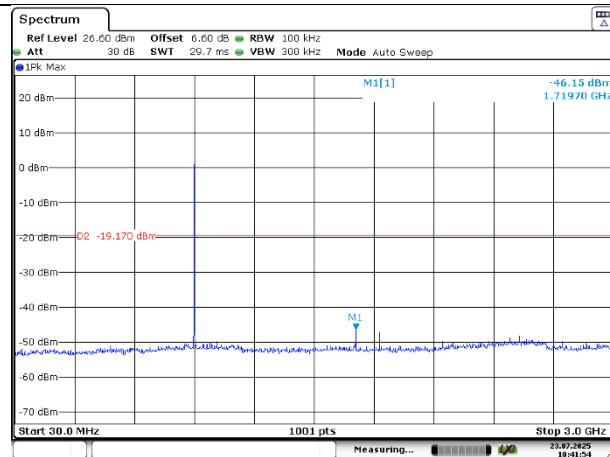


Date: 23.07.2025 18:18:09

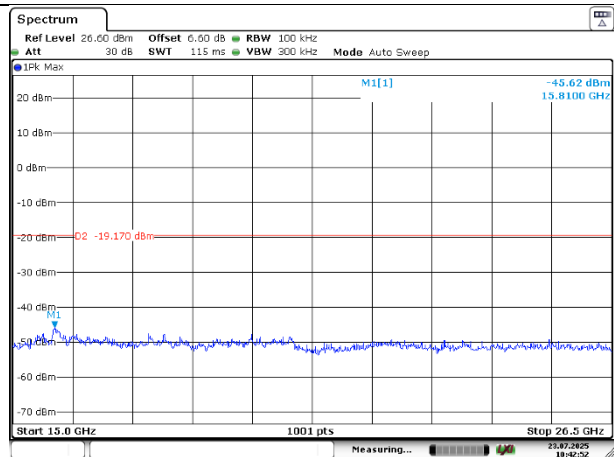


Date: 23.07.2025 18:19:05

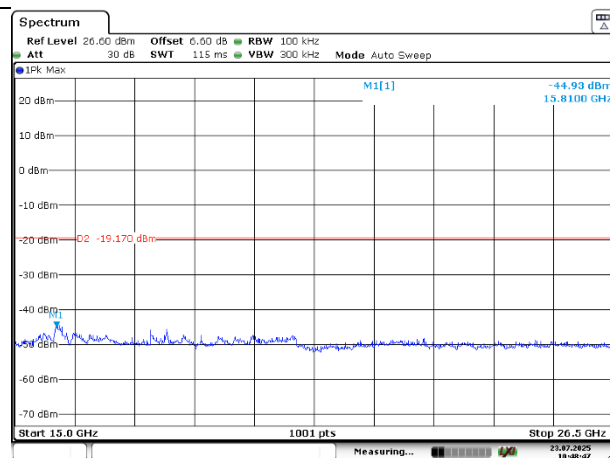
919 MHz



Date: 23/07/2025 10:41:54

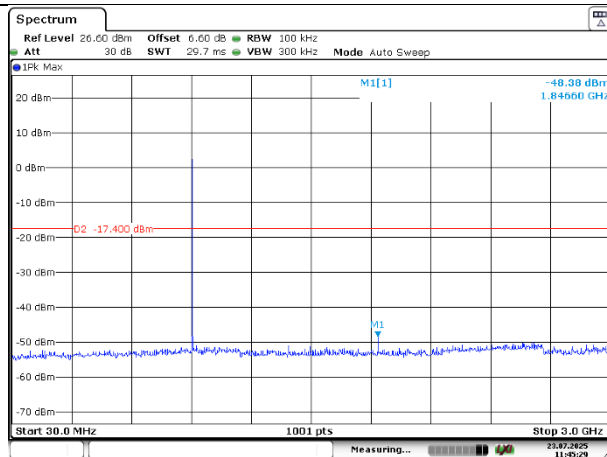


Date: 23/07/2025 10:42:52

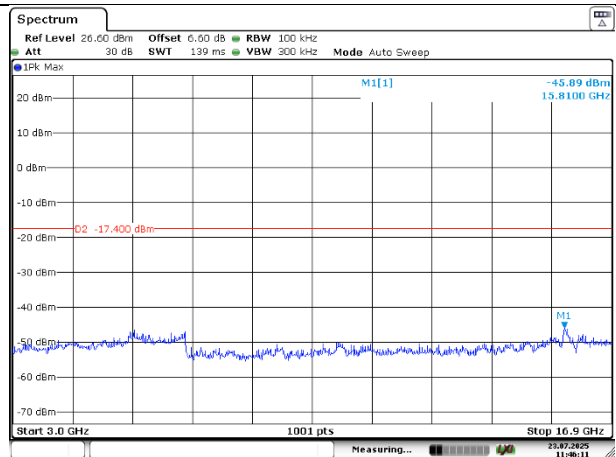


Date: 23/07/2025 10:48:47

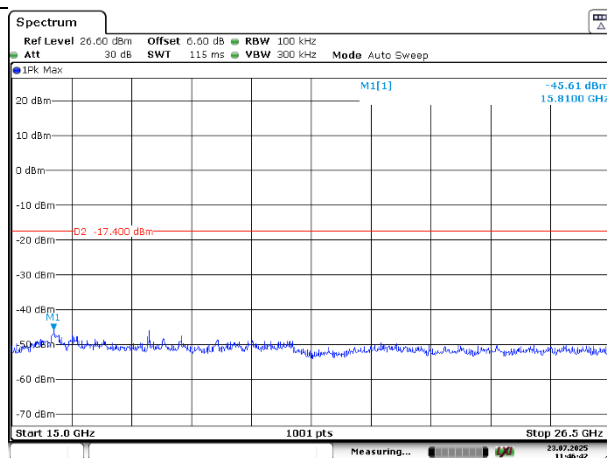
924.1 MHz



Date: 23/07/2025 11:56:29

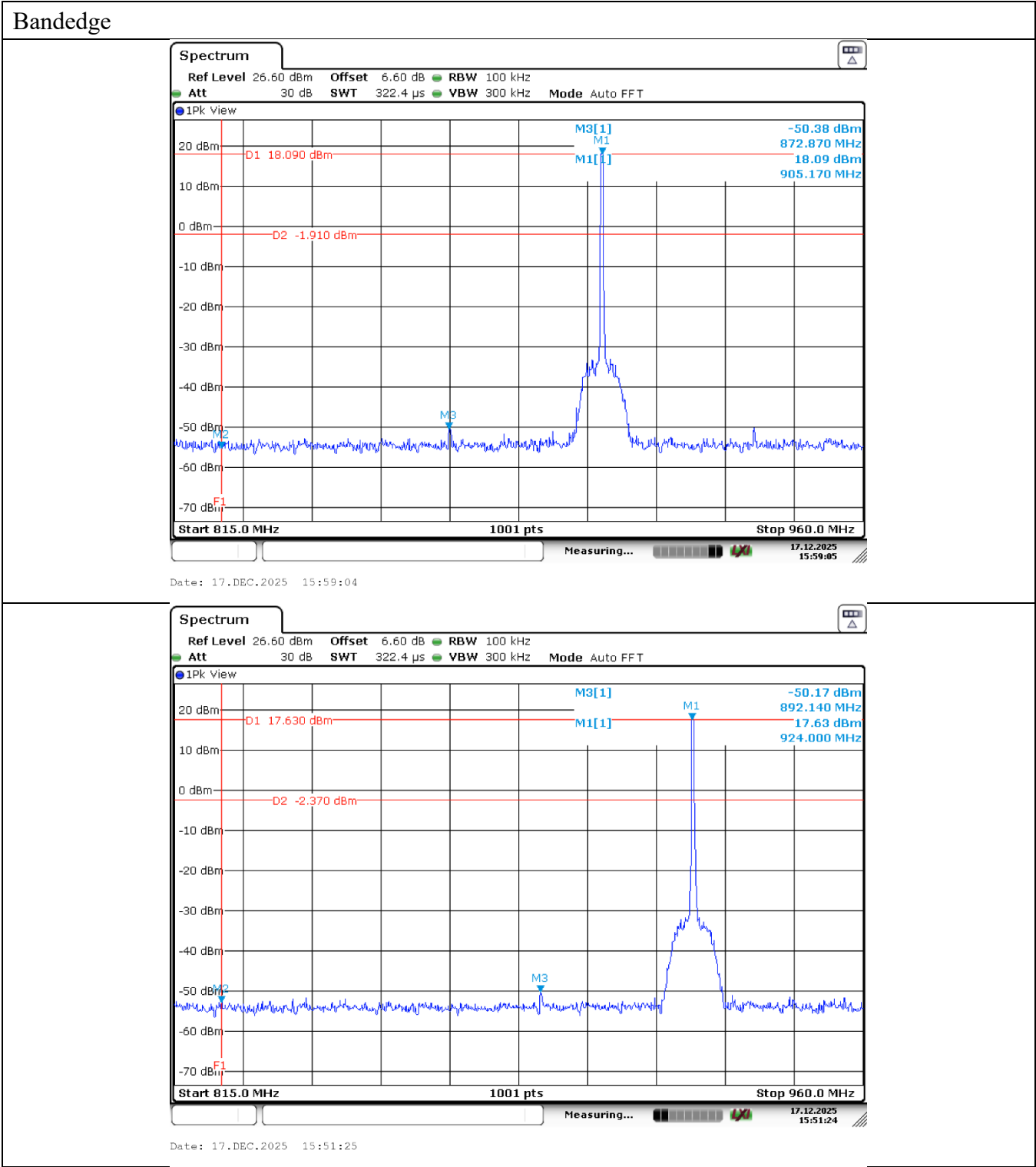


Date: 23/07/2025 11:56:11



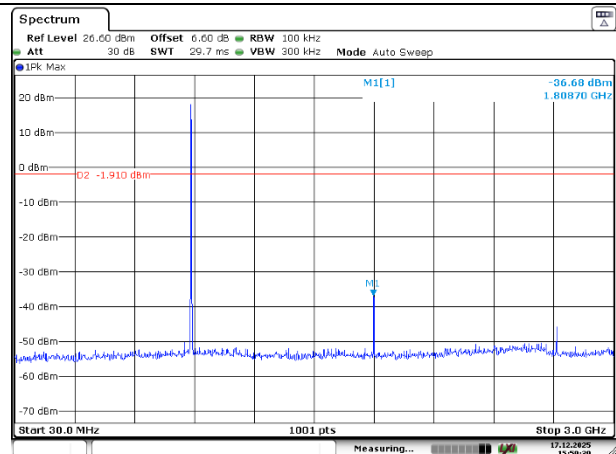
Date: 23/07/2025 11:56:42

Test Mode : Continuous Transmitting	Test Model : GW-SX126S1-F01H0-S
Ambient Temperature : 26℃	Relative Humidity : 44%
Tester : Hunter	Test Date : 2025/12/17

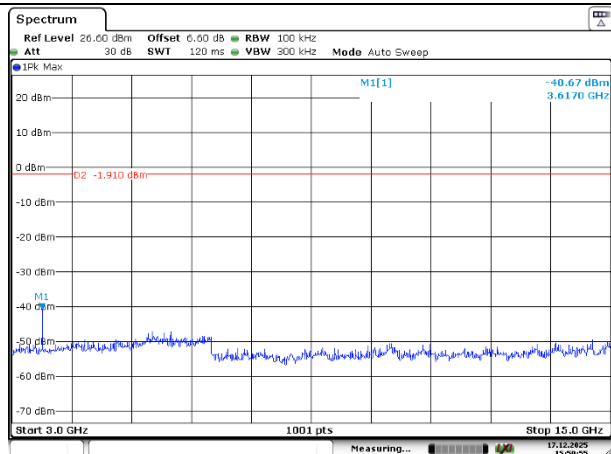


Unwanted Emission

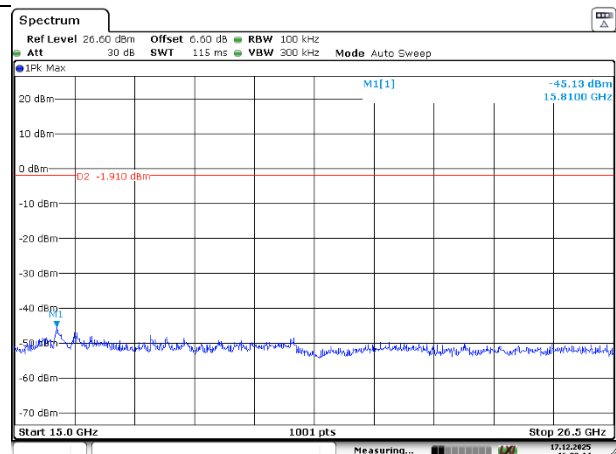
905 MHz



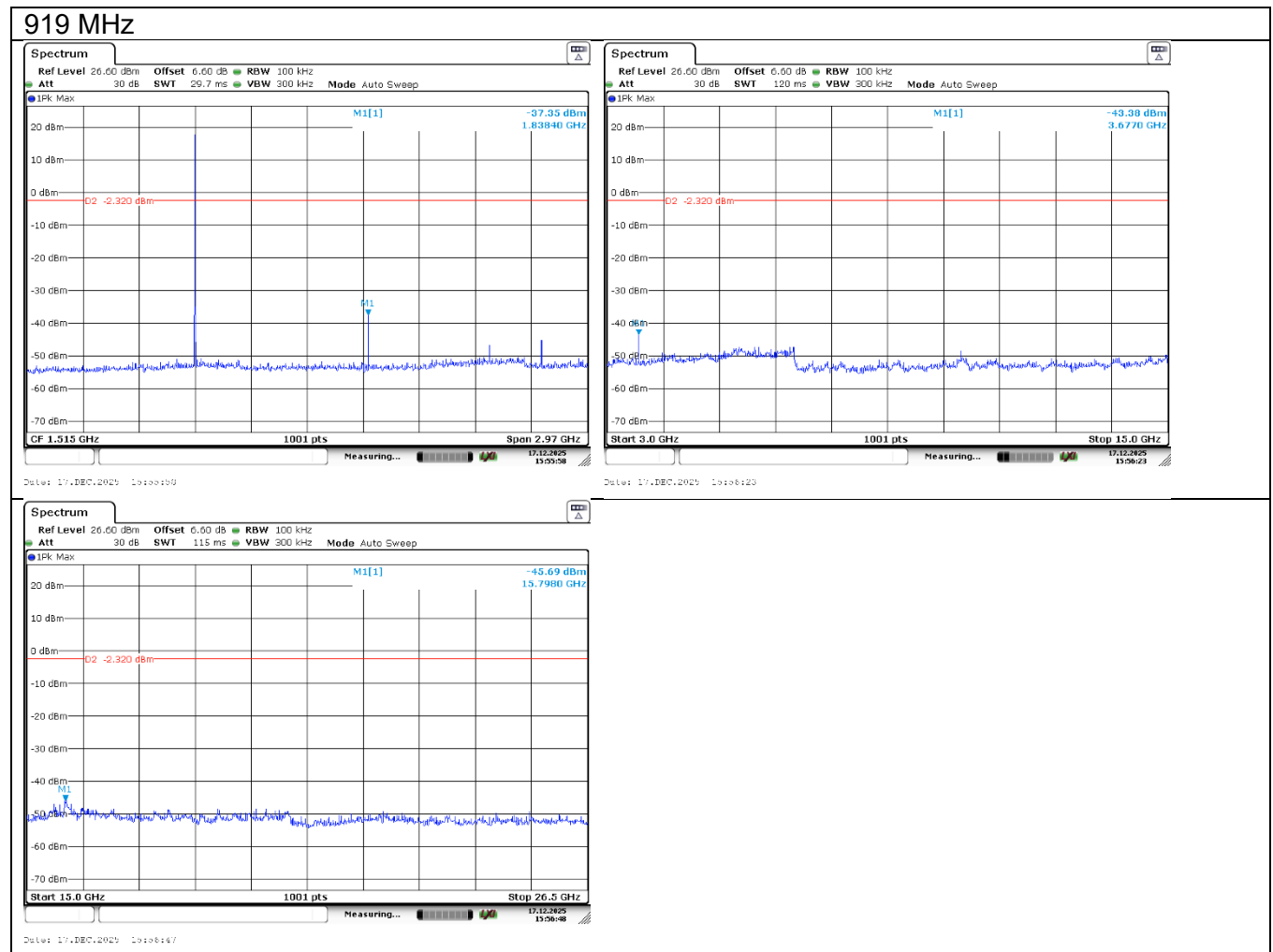
Date: 17.DEC.2025 13:28:39



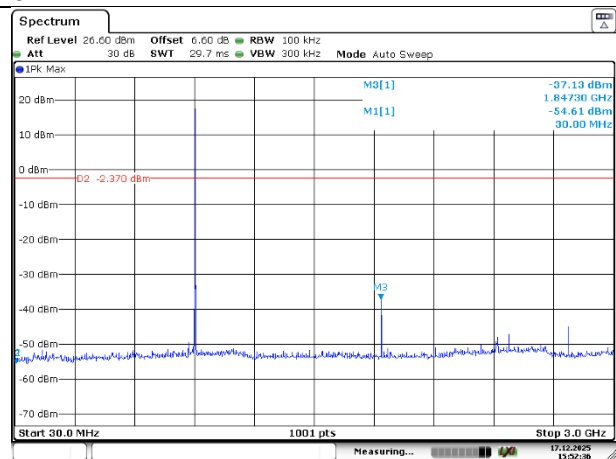
Date: 17.DEC.2025 13:29:55



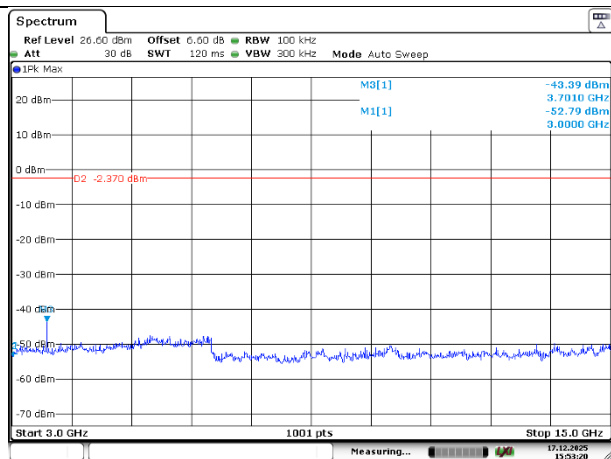
Date: 17.DEC.2025 13:30:14



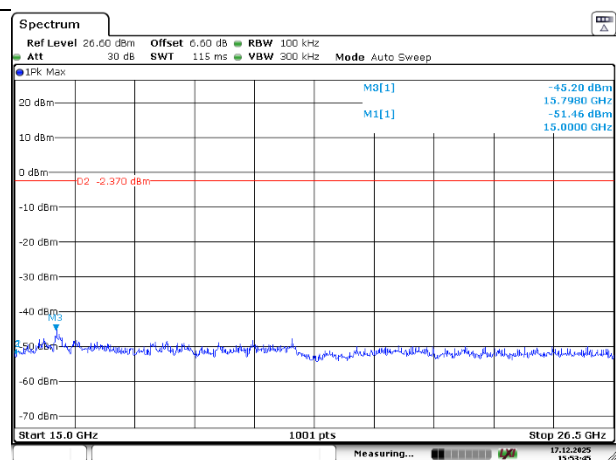
924.1 MHz



Date: 17, DEC, 2025 13:52:36



Date: 17, DEC, 2025 13:53:20



Date: 17, DEC, 2025 13:53:40

6 100kHz Bandwidth of Band Edges Measurement

Result: Pass

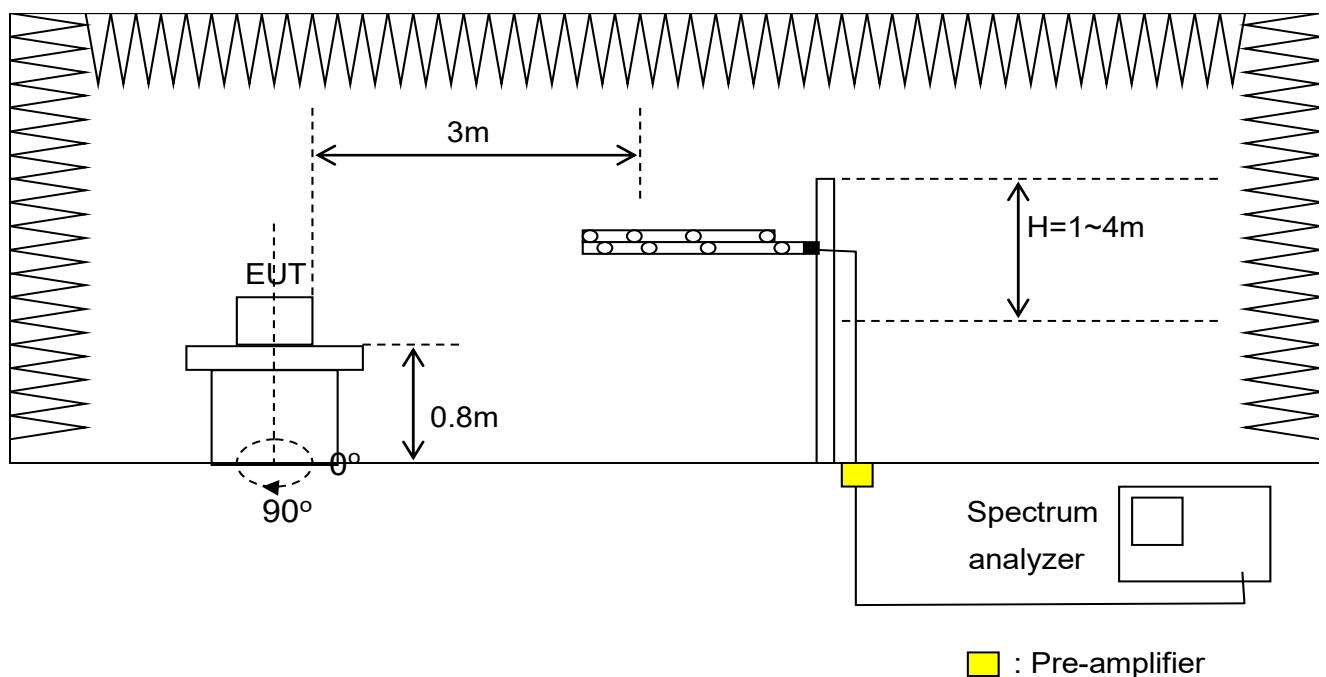
6.1 Applied standard

According to §15.247(d), in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

6.2 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. Set center frequency of spectrum analyzer = operating frequency.
3. Set the spectrum analyzer as RBW=1MHz, VBW $\geq$ 3*RBW (for Peak); VBW $\geq$ 1/Ton (for Average), Sweep = auto.
4. Mark Peak, 608MHz and 960MHz and record the max. level.
5. Repeat above procedures until all frequency measured were complete.

6.3 Test configuration



6.4 Test Data

Band Edge Measurement

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%

Level (dBuV/m) Date: 2025-09-25

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T20 H51 P1012

	Read	Limit	Over	A/Pos	T/Pos	
Freq	Level	Level	Factor	Line	Limit	Pol/Phase
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	deg
1	614.000	28.87	40.76	-11.89	46.00	-17.13
2	960.000	30.60	37.71	-7.11	46.00	-15.40

1 --- HORIZONTAL Peak
2 --- HORIZONTAL Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%

Level (dBuV/m) Date: 2025-09-25

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T20 H51 P1012

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg		
1	614.000	42.05	53.94	-11.89	46.00	-3.95		---	---	VERTICAL	Peak
2	960.000	30.90	38.01	-7.11	46.00	-15.10		---	---	VERTICAL	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%

Level (dBuV/m) Date: 2025-09-25

Frequency (MHz)

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T20 H51 P1012

	Read	Limit	Over	A/Pos	T/Pos	
Freq	Level	Level	Factor	Line	Limit	Pol/Phase
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	deg
1	614.000	28.75	40.64	-11.89	46.00	-17.25
2	960.000	30.94	38.05	-7.11	46.00	-15.06

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%

Level (dBUV/m) vs Frequency (MHz) plot. The y-axis ranges from 0 to 130 dBUV/m, and the x-axis ranges from 30 to 1000 MHz. A blue trace shows the measured signal with two peaks labeled 1 and 2. A red line indicates the FCC PART15C limit. The date 2025-09-25 is in the top right.

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T20 H51 P1012

	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
Freq	Level	Level	Factor	Line	Limit		
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1	614.000	40.74	52.63	-11.89	46.00	-5.26	--- VERTICAL Peak
2	960.000	31.37	38.48	-7.11	46.00	-14.63	--- VERTICAL Peak

Note:

- Level (dBUV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%

Level (dBuV/m) Date: 2025-09-25

Frequency (MHz)

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T23 H51 P1015

	Read	Limit	Over	A/Pos	T/Pos	
Freq	Level	Level	Factor	Line	Limit	Pol/Phase
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm
1	614.000	25.35	37.24	-11.89	46.00	-20.65
2	960.000	31.12	38.23	-7.11	46.00	-14.88

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%

Level (dBuV/m) Date: 2025-09-25

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T23 H51 P1015

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg		
1	614.000	25.69	37.58	-11.89	46.00	-20.31		---	---	VERTICAL	Peak
2	960.000	31.21	38.32	-7.11	46.00	-14.79		---	---	VERTICAL	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%

Level (dBuV/m) Date: 2025-09-25

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T23 H51 P1015

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg		
1	614.000	24.83	36.72	-11.89	46.00	-21.17		---	---	HORIZONTAL	Peak
2	960.000	31.27	38.38	-7.11	46.00	-14.73		---	---	HORIZONTAL	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%

Level (dBuV/m) Date: 2025-09-25

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T23 H51 P1015

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg		
1	614.000	26.29	38.18	-11.89	46.00	-19.71		---	---	VERTICAL	Peak
2	960.000	31.26	38.37	-7.11	46.00	-14.74		---	---	VERTICAL	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%

Level (dBuV/m) Date: 2025-12-18

Trace: (Discrete)

Site : TR11 9*6*6 chamber

Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL

Power :

Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	614.000	24.69	36.72	-12.03	46.00	-21.31	---	---	HORIZONTAL Peak
2	960.000	25.38	32.50	-7.12	46.00	-20.62	---	---	HORIZONTAL Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%

Level (dBuV/m) Date: 2025-12-18

Trace: (Discrete)

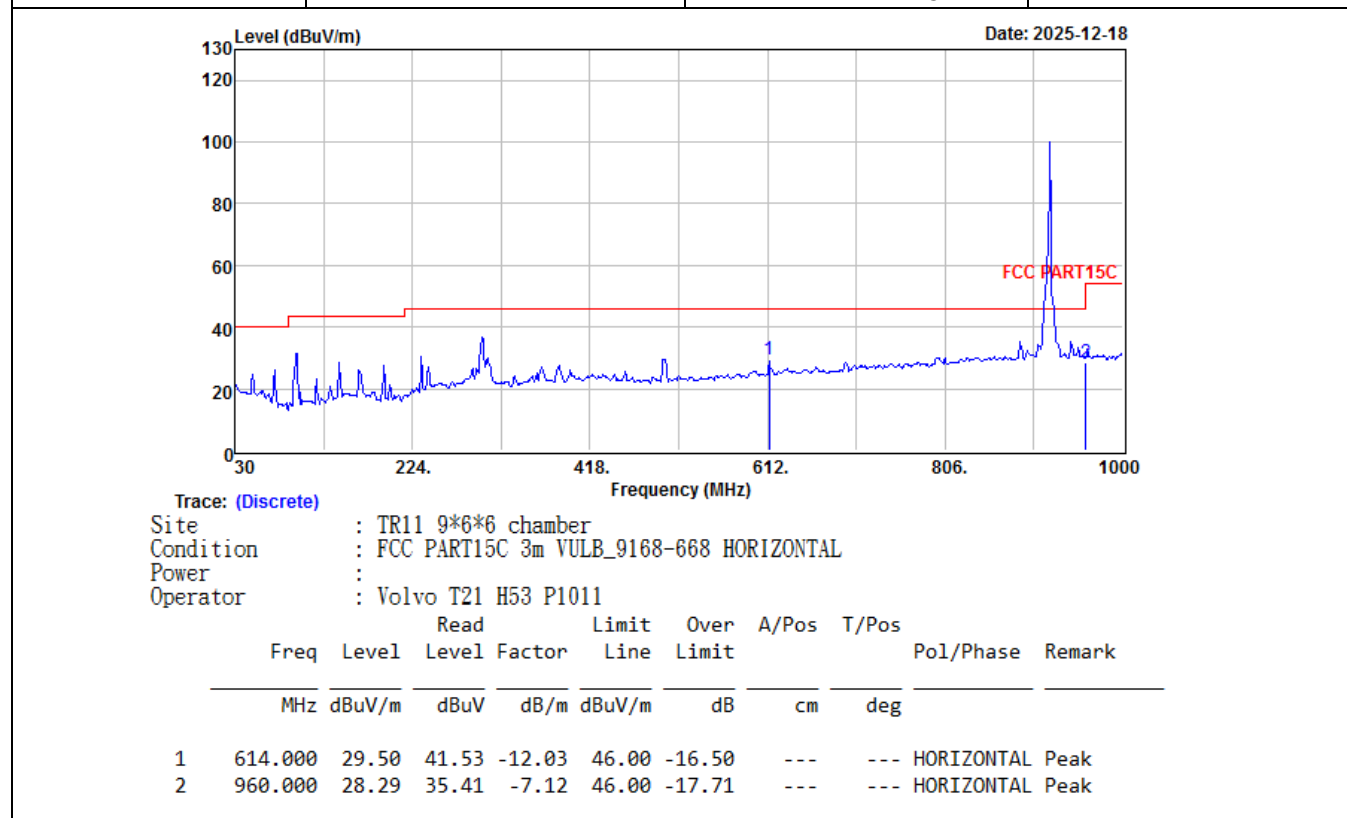
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	614.000	24.30	36.33	-12.03	46.00	-21.70	---	---	VERTICAL Peak
2	960.000	29.89	37.01	-7.12	46.00	-16.11	---	---	VERTICAL Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%



Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%

Level (dBuV/m) Date: 2025-12-18

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	614.000	28.71	40.74	-12.03	46.00	-17.29	---	---	VERTICAL Peak
2	960.000	27.81	34.93	-7.12	46.00	-18.19	---	---	VERTICAL Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-SX1262S1-F01H0-S)		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%

Level (dBuV/m) Date: 2025-12-18

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	614.000	26.32	38.35	-12.03	46.00	-19.68	---	---	HORIZONTAL Peak
2	960.000	26.32	33.44	-7.12	46.00	-19.68	---	---	HORIZONTAL Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-SX1262S1-F01H0-S)		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%

Level (dBuV/m) Date: 2025-12-18

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	614.000	35.93	47.96	-12.03	46.00	-10.07	---	---	VERTICAL Peak
2	960.000	32.31	39.43	-7.12	46.00	-13.69	---	---	VERTICAL Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-SX1262S1-F01H0-S)		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%

Level (dBuV/m) Date: 2025-12-18

Trace: (Discrete)

Site : TR11 9*6*6 chamber

Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL

Power :

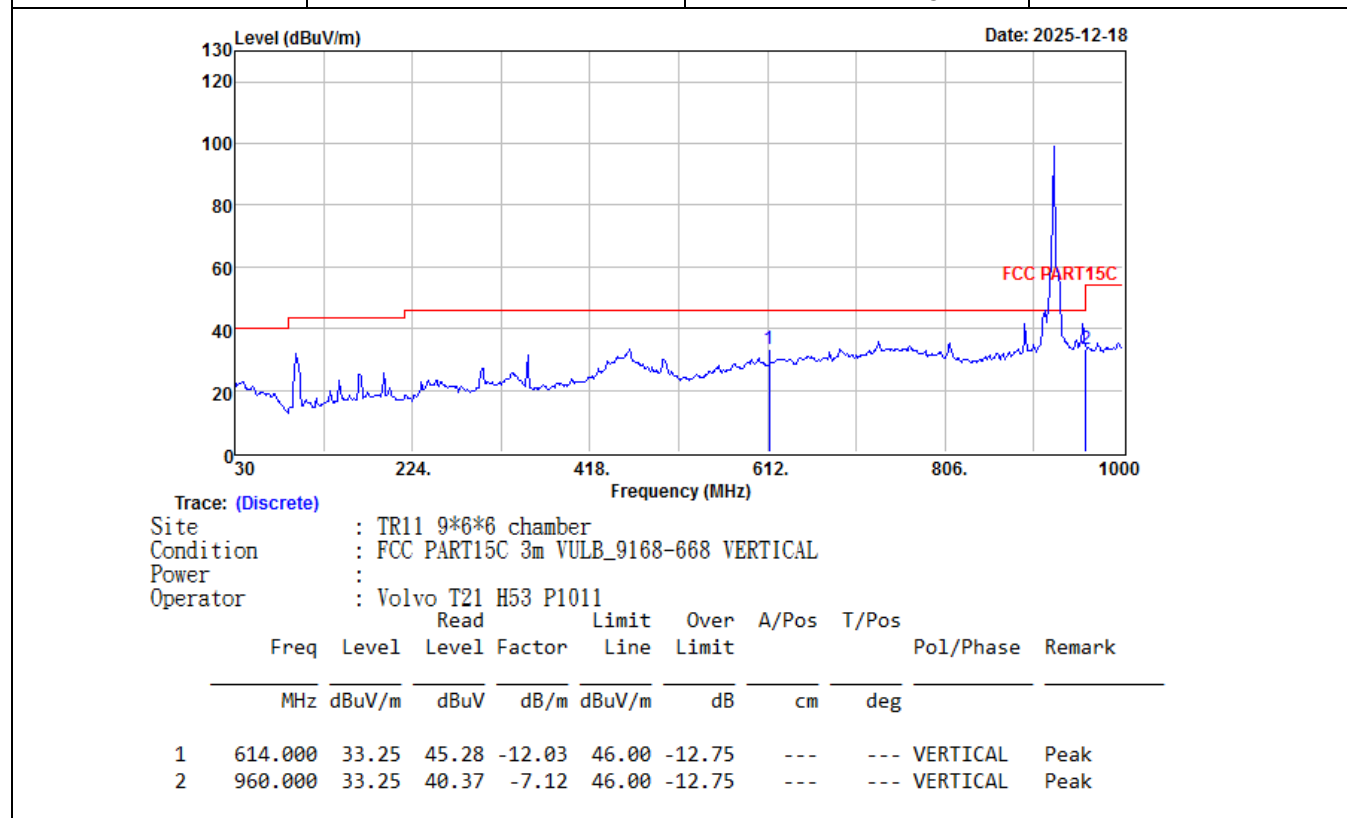
Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	614.000	28.57	40.60	-12.03	46.00	-17.43	---	---	HORIZONTAL Peak
2	960.000	28.57	35.69	-7.12	46.00	-17.43	---	---	HORIZONTAL Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-SX1262S1-F01H0-S)		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%



Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

7 Radiated Emission

Result: Pass

7.1 Applied standard

Radiated emissions shall comply with the field strength limits shown as below table.

Frequency (MHz)	Measurement Distance (m)	Field Strength (uV/m)	Magnetic field strength (uA/m)
0.009-0.490	300	2400/F(kHz)	6.37/F(kHz)
0.490-1.705	30	24000/F(kHz)	63.7/F(kHz)
1.705-30.0	3	30	0.08

Note

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

2. The limits in Part 15, Subpart C, paragraph 15.209(a), since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels using the free space impedance of 377 Ohms, The correction factor is 51.5 dB. For example, the measurement at frequency 9 kHz limit is 48.5 dBuV/m, which is equivalent to $48.5 - 51.5 = -3$ dBuA/m.

Frequency (MHz)	Measurement Distance (m)	Field Strength (uV/m)	Field Strength (dBuV/m)
30 – 88	3	100	40.0
88 – 216	3	150	43.5
216 – 960	3	200	46.0
above 960	3	500	54.0

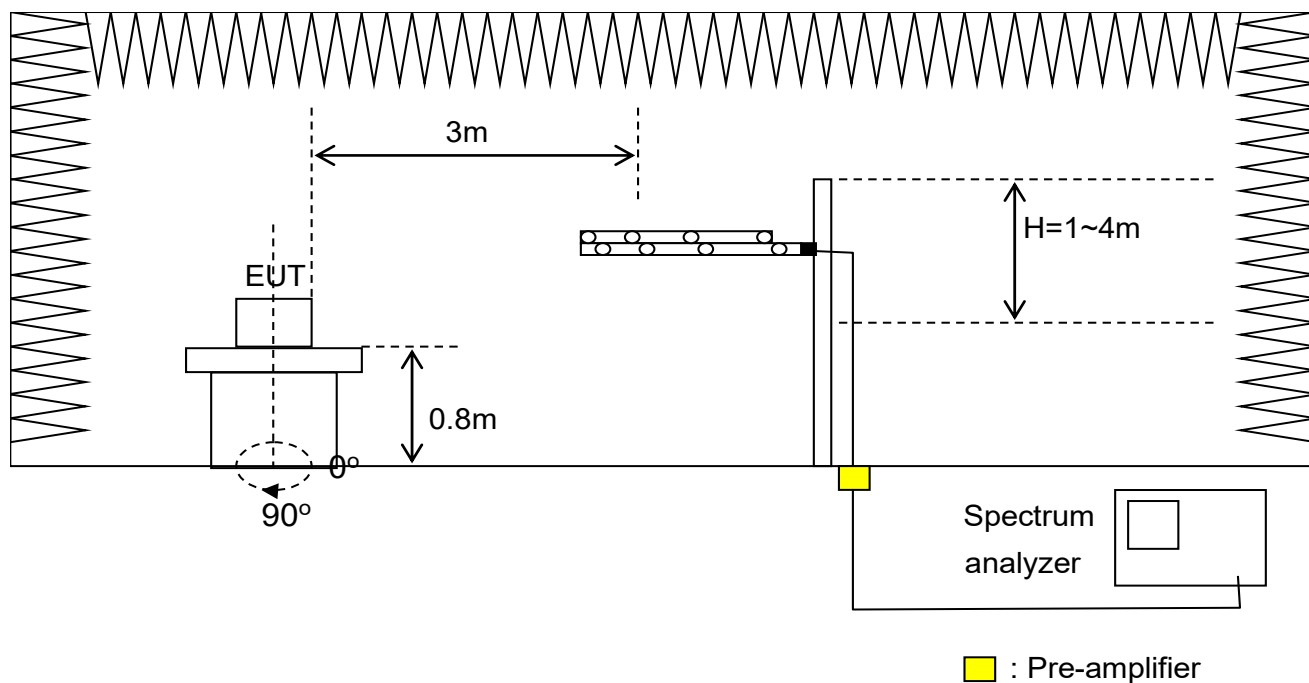
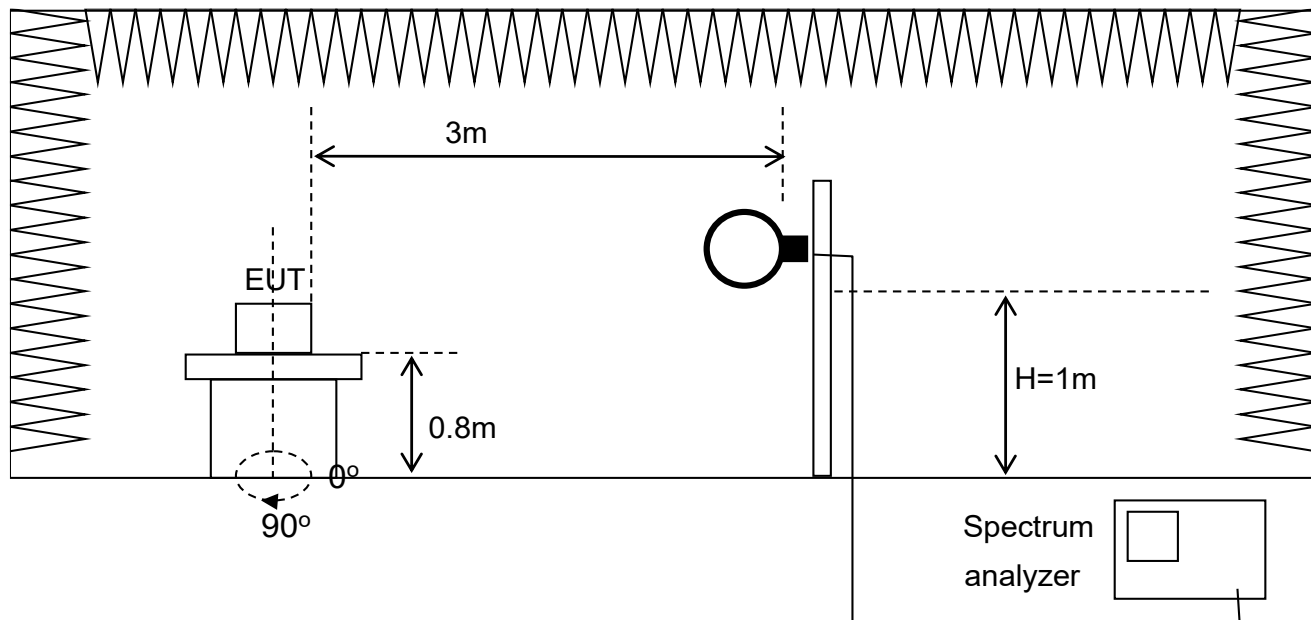
7.2 Measurement Procedure

- a. The EUT was set up per the test configuration figured in the next section of this chapter to simulate the typical usage per the user's manual.
- b. A software provided by client enabled the EUT to transmit and receive data at operating frequency.(if necessary)
- c. If the EUT is tabletop equipment, it should be placed on a wooden table with a height of 0.8 meters above the reference ground plane in the semi-anechoic chamber. If the EUT is floor-standing equipment, it should be placed on a non-conducted support with a height of 12 millimeters above the reference ground plane in the semi-anechoic chamber.
- d. The EUT is set 3m away from the interference receiving antenna.
- e. Rapidly sweep the signal in the test frequency range by using the spectrum through the Maximum-peak detector.
- f. Rotate the EUT from 0° to 360° and position the receiving antenna at heights from 1 to 4 meters above the reference ground plane continuously to determine at least six frequencies associated with higher emission levels and record them.
- g. Then measure each frequency found from step f. by using the spectrum with rotating the EUT and positioning the receiving antenna height to determine the maximum level.
- h. For measurement of frequency below 1000MHz, set the receiver detector to be Quasi-Peak per CISPR 16-1 to find out the maximum level occurred. Receiver Setting is 9 kHz – 150kHz: RBW=200 Hz, 150kHz – 30 MHz: RBW=9 kHz, 30 MHz- 1 GHz: RBW=120 kHz.
- i. For measurement of frequency above 1000MHz, set the spectrum detector to be Peak or Average to find out the maximum level occurred, if any. Spectrum Analyzer Setting is Peak:RBW=1 MHz, VBW=3 MHz; Average: RBW=1 MHz, VBW=3 kHz.
- j. Record frequency, azimuth angle of the turntable, height, and polarization of the receiving antenna and compare the maximum level with the required limit.
- k. Change the receiving antenna to another polarization to measure radiated emission by following step e. to j. again.
- l. If the peak emission level below 1000MHz measured from step f. is 4dB lower than the limit specified, then the emission values presented will be the peak value only. Otherwise, accurate Q.P. value will be measured and presented.
- m. If the peak emission level above 1000MHz measured from step f. is 20dB lower than the limit specified, then the emission values presented will be the peak value only. Otherwise, accurate A.V. value will be measured and presented.

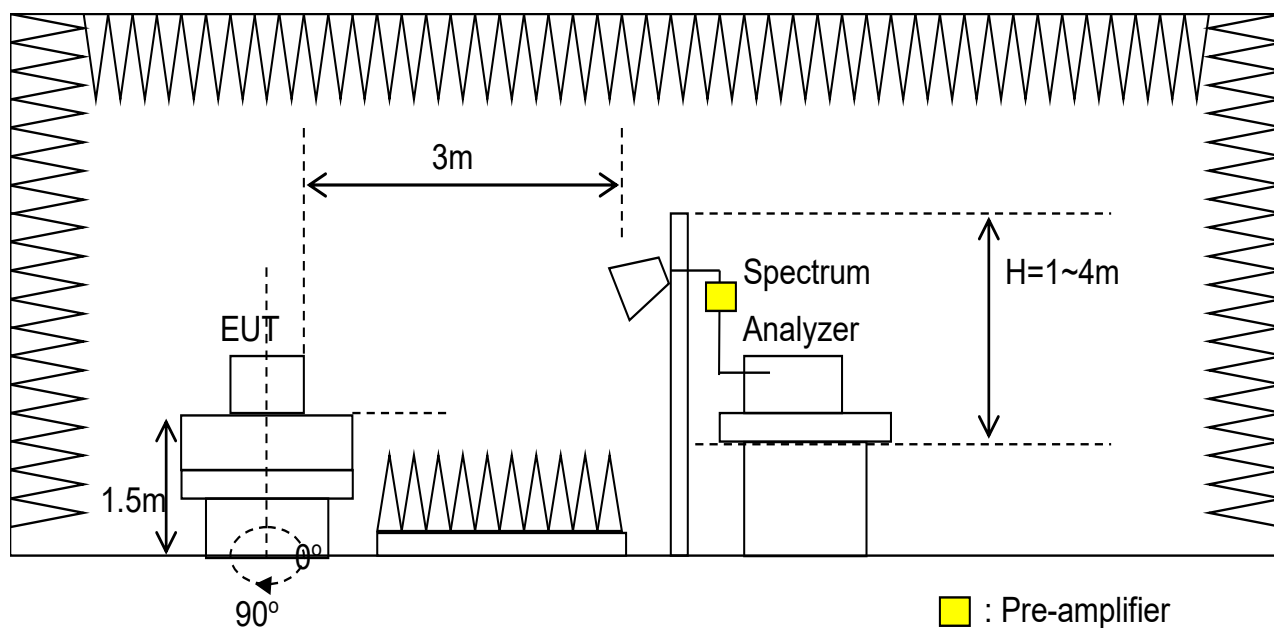
- n. For radiated emission measurements from 1 to 40 GHz, the EUT was placed at a height of 1.5 m above the ground plane on a support made of low-permittivity and low-loss material. A dielectric material such as styrene or insulation foam was used to minimize RF reflections, rather than wood or other high-loss materials. Support equipment was arranged at least 0.5 m away from the EUT to avoid influencing the measured results. During final measurements, the receiving antenna was scanned from 1 m to 4 m in height to determine the maximum emission level.

7.3 Test configuration

Below 1GHz



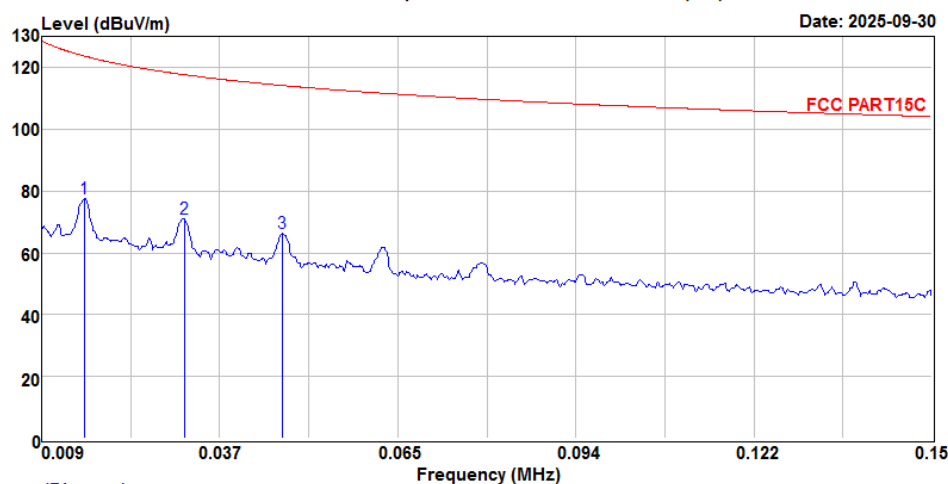
Above 1GHz



7.4 Test Data

Radiated Emission Measurement below 1000MHz

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Ground-parallel	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%



Trace: (Discrete)

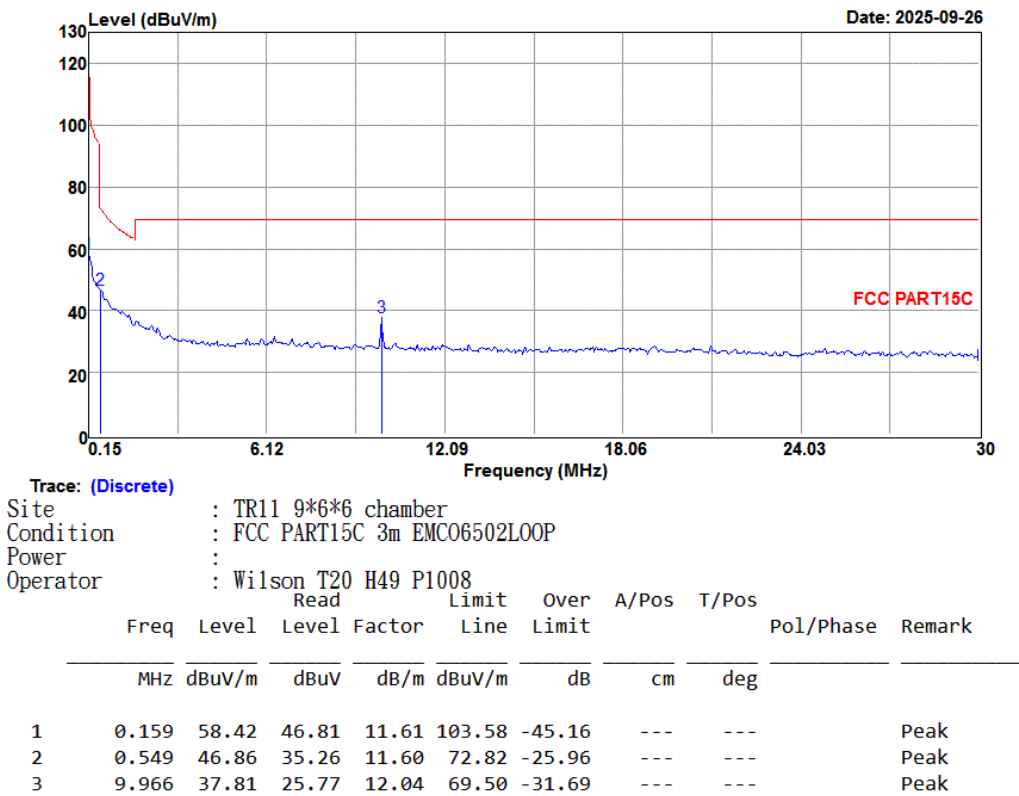
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

	Freq	Level	Read	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.016	77.45	61.84	15.61	123.65	-46.20	---	---		Peak
2	0.032	71.19	57.60	13.59	117.62	-46.43	---	---		Peak
3	0.047	66.26	53.29	12.97	114.15	-47.89	---	---		Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak
5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%



- Note:
- Level (dBuV/m) = Read level + Factor.
 - Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
 - Over Limit (dB) = Level – Limit line
 - QP. is abbreviation of Quasi-Peak
 - The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Ground-parallel	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m)

Date: 2025-09-30

The spectrum plot displays the measured signal level in dBuV/m against frequency in MHz. The y-axis ranges from 0 to 130 dBuV/m, and the x-axis ranges from 0.009 to 0.15 MHz. A red line indicates the FCC PART15C limit, which starts at approximately 125 dBuV/m at 0.009 MHz and decreases to about 105 dBuV/m at 0.15 MHz. The measured signal (blue line) shows three distinct peaks labeled 1, 2, and 3. Peak 1 is at 0.016 MHz (77.16 dBuV/m), Peak 2 is at 0.032 MHz (70.85 dBuV/m), and Peak 3 is at 0.047 MHz (66.32 dBuV/m). All peaks are significantly below the FCC limit.

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg		
1	0.016	77.16	61.55	15.61	123.65	-46.49		---	---		Peak
2	0.032	70.85	57.26	13.59	117.62	-46.77		---	---		Peak
3	0.047	66.32	53.34	12.98	114.10	-47.78		---	---		Peak

Note:

1. Level (dBuV/m) = Read level + Factor.

2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.

3. Over Limit (dB) = Level – Limit line

4. QP. is abbreviation of Quasi-Peak

5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m)

Date: 2025-09-26

Trace: (Discrete)

Site : TR11 9*6*6 chamber

Condition : FCC PART15C 3m EMC06502LOOP

Power :

Operator : Wilson T20 H49 P1008

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg		
1	0.159	58.74	47.13	11.61	103.58	-44.84		---	---		Peak
2	0.609	46.16	34.62	11.54	71.92	-25.76		---	---		Peak
3	9.966	39.38	27.34	12.04	69.50	-30.12		---	---		Peak

Note:

1. Level (dBuV/m) = Read level + Factor.

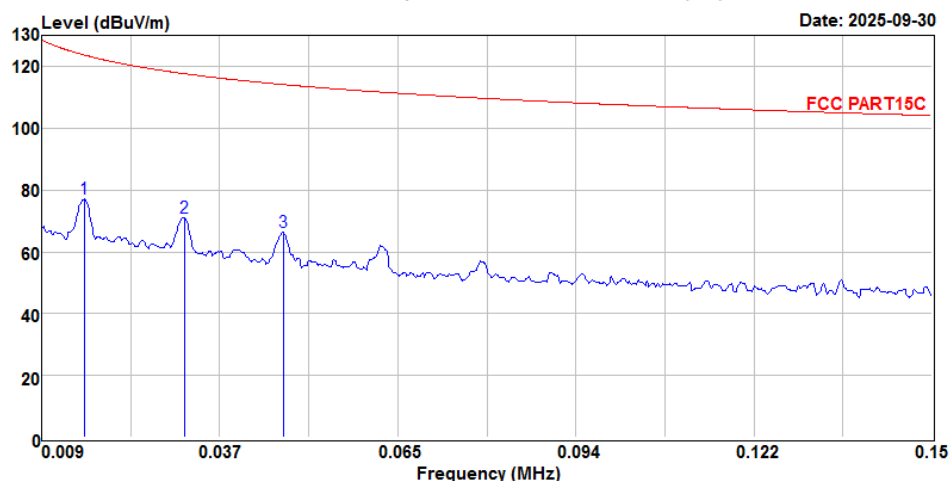
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.

3. Over Limit (dB) = Level – Limit line

4. QP. is abbreviation of Quasi-Peak

5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%



Trace: (Discrete)

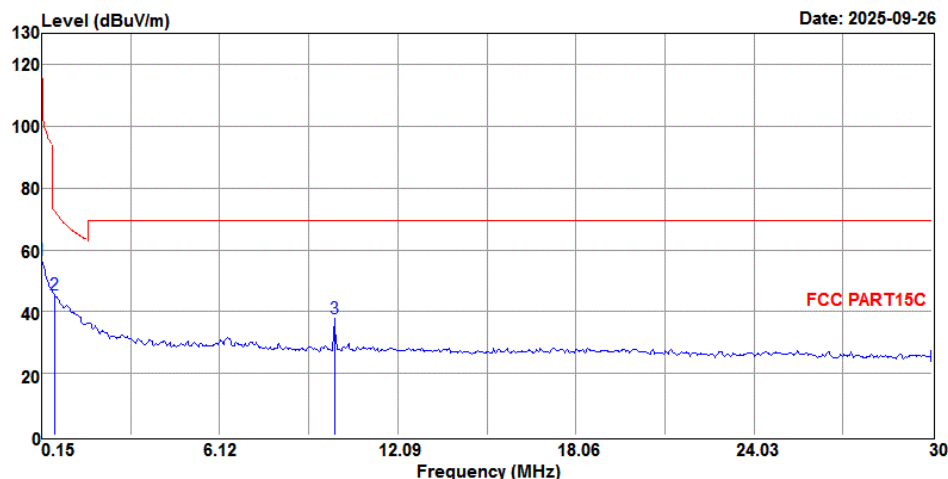
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502L00P
Power :
Operator : Volvo T21 H50 P1013

	Read	Limit	Over	A/Pos	T/Pos		
Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1	0.016	77.01	61.40	15.61	123.65	-46.64	---
2	0.032	71.03	57.44	13.59	117.62	-46.59	---
3	0.047	66.26	53.28	12.98	114.10	-47.84	---

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak
5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%



Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T20 H49 P1008

	Read	Limit	Over	A/Pos	T/Pos			
Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.159	56.56	44.95	11.61	103.58	-47.02	---	Peak
2	0.579	45.34	33.77	11.57	72.36	-27.02	---	Peak
3	9.966	37.75	25.71	12.04	69.50	-31.75	---	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak
5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Parallel	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m) Date: 2025-09-30

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg		
1	0.016	77.11	61.50	15.61	123.65	-46.54		---	---		Peak
2	0.032	71.36	57.77	13.59	117.62	-46.26		---	---		Peak
3	0.047	66.05	53.07	12.98	114.10	-48.05		---	---		Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m)

Date: 2025-09-26

Trace: (Discrete)

Site : TR11 9*6*6 chamber

Condition : FCC PART15C 3m EMC06502LOOP

Power :

Operator : Wilson T20 H49 P1008

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	Limit	cm	deg		
1	0.159	57.72	46.11	11.61	103.58	-45.86		---	---		Peak
2	0.489	46.19	34.54	11.65	93.82	-47.63		---	---		Peak
3	9.966	39.29	27.25	12.04	69.50	-30.21		---	---		Peak

Note:

1. Level (dBuV/m) = Read level + Factor.

2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.

3. Over Limit (dB) = Level – Limit line

4. QP. is abbreviation of Quasi-Peak

5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Parallel	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m) Date: 2025-09-30

FCC PART15C

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

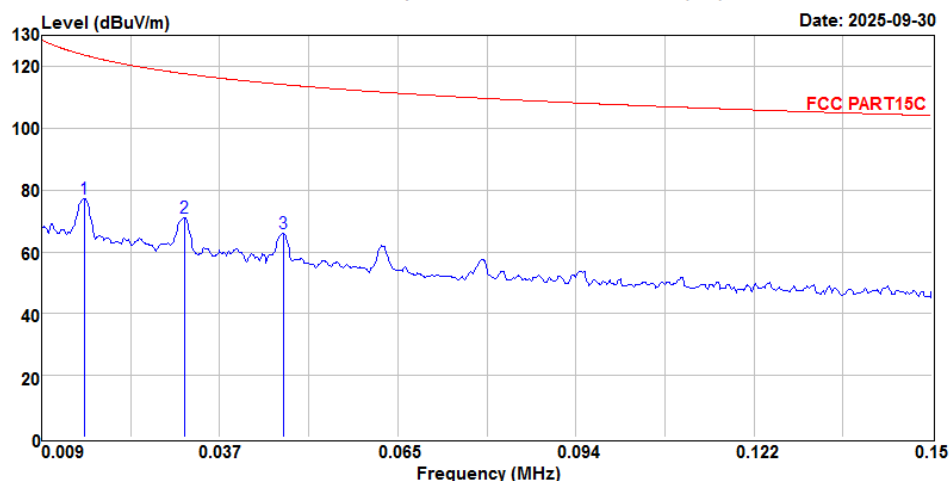
	Read	Limit	Over	A/Pos	T/Pos	
Freq	Level	Level	Factor	Line	Limit	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	
1	0.016	77.20	61.59	15.61	123.65	-46.45
2	0.032	71.24	57.65	13.59	117.62	-46.38
3	0.047	66.80	53.83	12.97	114.15	-47.35

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-LLCC68S1-F01H0-S)																																																																
Test Range:	150 kHz ~ 30 MHz																																																																
Polarization:	Parallel		Tester:	Wilson																																																													
Ambient Temp.:	20℃		Relative Humidity:	49%																																																													
Level (dBUV/m) Date: 2025-09-26 Trace: (Discrete) Site : TR11 9*6*6 chamber Condition : FCC PART15C 3m EMC06502LOOP Power : Operator : Wilson T20 H49 P1008 <table><tr><th></th><th>Freq</th><th>Level</th><th>Read</th><th>Level</th><th>Factor</th><th>Limit</th><th>Over</th><th>A/Pos</th><th>T/Pos</th><th>Pol/Phase</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBUV/m</th><th>dBUV</th><th>dB/m</th><th>dBUV/m</th><th>dB</th><th></th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>0.159</td><td>57.82</td><td>46.21</td><td>11.61</td><td>103.58</td><td>-45.76</td><td></td><td>---</td><td>---</td><td></td><td>Peak</td></tr><tr><td>2</td><td>0.549</td><td>46.72</td><td>35.12</td><td>11.60</td><td>72.82</td><td>-26.10</td><td></td><td>---</td><td>---</td><td></td><td>Peak</td></tr><tr><td>3</td><td>9.966</td><td>37.74</td><td>25.70</td><td>12.04</td><td>69.50</td><td>-31.76</td><td></td><td>---</td><td>---</td><td></td><td>Peak</td></tr></table>							Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark		MHz	dBUV/m	dBUV	dB/m	dBUV/m	dB		cm	deg			1	0.159	57.82	46.21	11.61	103.58	-45.76		---	---		Peak	2	0.549	46.72	35.12	11.60	72.82	-26.10		---	---		Peak	3	9.966	37.74	25.70	12.04	69.50	-31.76		---	---		Peak
	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark																																																						
	MHz	dBUV/m	dBUV	dB/m	dBUV/m	dB		cm	deg																																																								
1	0.159	57.82	46.21	11.61	103.58	-45.76		---	---		Peak																																																						
2	0.549	46.72	35.12	11.60	72.82	-26.10		---	---		Peak																																																						
3	9.966	37.74	25.70	12.04	69.50	-31.76		---	---		Peak																																																						
Note: 1. Level (dBUV/m) = Read level + Factor. 2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier. 3. Over Limit (dB) = Level – Limit line 4. QP. is abbreviation of Quasi-Peak 5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.																																																																	

Test Mode:	Continuous Transmitting 924.1 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Parallel	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%



Trace: (Discrete)

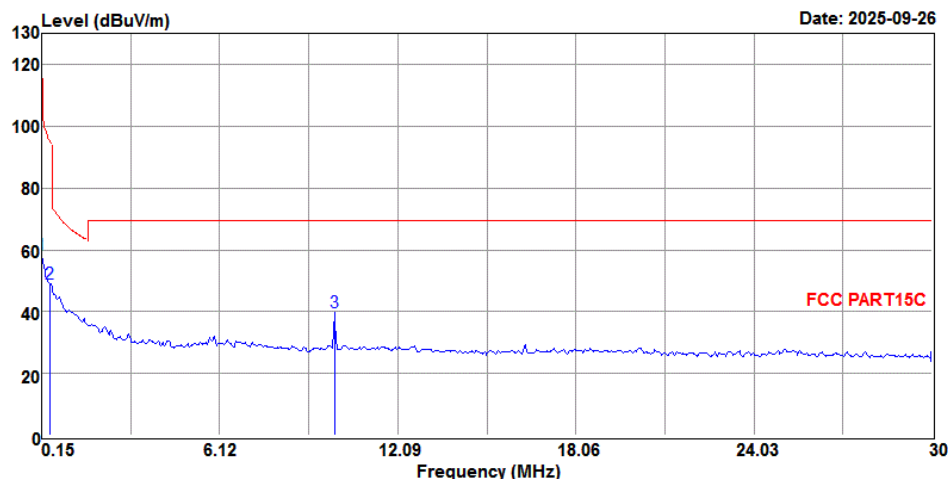
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

	Read	Limit	Over	A/Pos	T/Pos		
Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1	0.016	77.29	61.68	15.61	123.65	-46.36	---
2	0.032	71.09	57.50	13.59	117.62	-46.53	---
3	0.047	66.17	53.19	12.98	114.10	-47.93	---

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak
5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%



Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T20 H49 P1008

	Read	Limit	Over	A/Pos	T/Pos			
Freq	Level	Level	Factor	Line	Limit		Pol/Phase	Remark
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.159	58.25	46.64	11.61	103.58	-45.33	---	Peak
2	0.429	49.06	37.42	11.64	94.96	-45.90	---	Peak
3	9.966	39.76	27.72	12.04	69.50	-29.74	---	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak
5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Perpendicular	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m) Date: 2025-09-30

Trace: (Discrete)

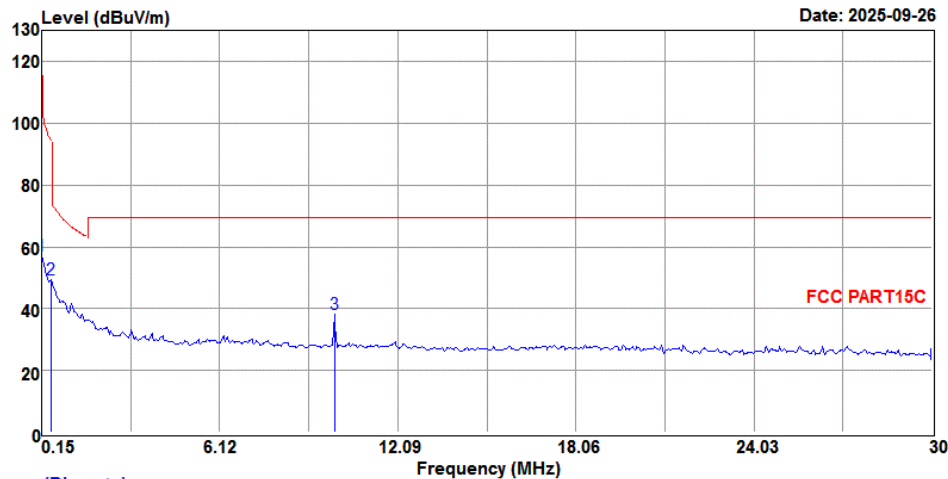
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg		
1	0.016	77.81	62.20	15.61	123.65	-45.84		---	---		Peak
2	0.032	71.12	57.53	13.59	117.62	-46.50		---	---		Peak
3	0.047	66.20	53.23	12.97	114.15	-47.95		---	---		Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%



Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T20 H49 P1008

	Read	Limit	Over	A/Pos	T/Pos	
Freq	Level	Level	Factor	Line	Limit	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	
1	0.159	57.19	45.58	11.61	103.58	-46.39
2	0.459	49.39	37.75	11.64	94.37	-44.98
3	9.966	38.17	26.13	12.04	69.50	-31.33

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Perpendicular	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m) Date: 2025-09-30

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg		
1	0.016	76.96	61.35	15.61	123.65	-46.69		---	---		Peak
2	0.032	71.16	57.57	13.59	117.62	-46.46		---	---		Peak
3	0.047	66.45	53.48	12.97	114.15	-47.70		---	---		Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-LLCC68S1-F01H0-S)																																																														
Test Range:	150 kHz ~ 30 MHz																																																														
Polarization:	Perpendicular	Tester:	Wilson																																																												
Ambient Temp.:	20℃	Relative Humidity:	49%																																																												
Level (dBuV/m) Date: 2025-09-26 Trace: (Discrete) Site : TR11 9*6*6 chamber Condition : FCC PART15C 3m EMC06502LOOP Power : Operator : Wilson T20 H49 P1008 <table><tr><th></th><th>Freq</th><th>Level</th><th>Read</th><th>Level</th><th>Factor</th><th>Limit</th><th>Over</th><th>A/Pos</th><th>T/Pos</th><th>Pol/Phase</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>0.159</td><td>56.58</td><td>44.97</td><td>11.61</td><td>103.58</td><td>-47.00</td><td></td><td>---</td><td>---</td><td></td><td>Peak</td></tr><tr><td>2</td><td>0.489</td><td>46.89</td><td>35.24</td><td>11.65</td><td>93.82</td><td>-46.93</td><td></td><td>---</td><td>---</td><td></td><td>Peak</td></tr><tr><td>3</td><td>9.966</td><td>39.95</td><td>27.91</td><td>12.04</td><td>69.50</td><td>-29.55</td><td></td><td>---</td><td>---</td><td></td><td>Peak</td></tr></table>					Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark		MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			1	0.159	56.58	44.97	11.61	103.58	-47.00		---	---		Peak	2	0.489	46.89	35.24	11.65	93.82	-46.93		---	---		Peak	3	9.966	39.95	27.91	12.04	69.50	-29.55		---	---		Peak
	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark																																																				
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg																																																						
1	0.159	56.58	44.97	11.61	103.58	-47.00		---	---		Peak																																																				
2	0.489	46.89	35.24	11.65	93.82	-46.93		---	---		Peak																																																				
3	9.966	39.95	27.91	12.04	69.50	-29.55		---	---		Peak																																																				
Note: 1. Level (dBuV/m) = Read level + Factor. 2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier. 3. Over Limit (dB) = Level – Limit line 4. QP. is abbreviation of Quasi-Peak 5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.																																																															

Test Mode:	Continuous Transmitting 924.1 MHz Interl Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Perpendicular	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m)

Date: 2025-09-30

Trace: (Discrete)

Site : TR11 9*6*6 chamber

Condition : FCC PART15C 3m EMC06502LOOP

Power :

Operator : Volvo T21 H50 P1013

	Freq	Level	Read	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.015	76.99	61.34	15.65	123.89	-46.90	---	---		Peak
2	0.032	70.86	57.27	13.59	117.62	-46.76	---	---		Peak
3	0.047	66.87	53.90	12.97	114.15	-47.28	---	---		Peak

Note:

1. Level (dBuV/m) = Read level + Factor.

2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.

3. Over Limit (dB) = Level – Limit line

4. QP. is abbreviation of Quasi-Peak

5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Interl Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m) Date: 2025-09-26

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T20 H49 P1008

	Read	Limit	Over	A/Pos	T/Pos	
Freq	Level	Level	Factor	Line	Limit	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	
1	0.159	56.96	45.35	11.61	103.58	-46.62
2	0.609	46.06	34.52	11.54	71.92	-25.86
3	9.966	38.16	26.12	12.04	69.50	-31.34

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	30 kHz ~ 150 kHz		
Polarization:	Ground-parallel	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%

Date: 2025-09-30

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

	Read	Limit	Over	A/Pos	T/Pos	
Freq	Level	Level	Factor	Line	Limit	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	
1	0.016	77.05	61.44	15.61	123.65	-46.60
2	0.032	70.86	57.27	13.59	117.62	-46.76
3	0.047	65.92	52.95	12.97	114.15	-48.23

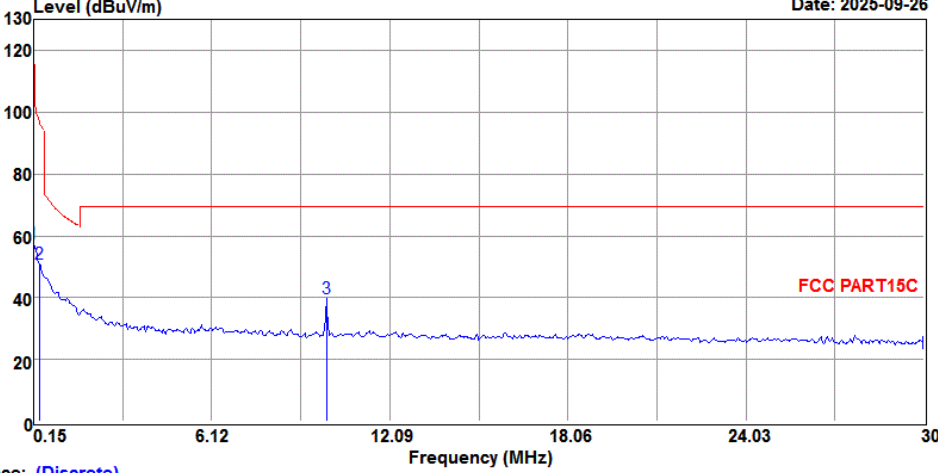
Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m)

Date: 2025-09-26



Trace: (Discrete)

Site : TR11 9*6*6 chamber

Condition : FCC PART15C 3m EMC06502LOOP

Power :

Operator : Wilson T20 H49 P1008

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg		
1	0.159	57.32	45.71	11.61	103.58	-46.26		---	---		Peak
2	0.339	50.92	39.28	11.64	97.00	-46.08		---	---		Peak
3	9.966	39.85	27.81	12.04	69.50	-29.65		---	---		Peak

Note:

1. Level (dBuV/m) = Read level + Factor.

2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.

3. Over Limit (dB) = Level – Limit line

4. QP. is abbreviation of Quasi-Peak

5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Ground-parallel	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m) Date: 2025-09-30

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg		
1	0.016	77.59	62.00	15.59	123.50	-45.91		---	---		Peak
2	0.031	70.95	57.34	13.61	117.70	-46.75		---	---		Peak
3	0.047	67.60	54.62	12.98	114.10	-46.50		---	---		Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m) Date: 2025-09-26

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T20 H49 P1008

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg		
1	0.159	57.07	45.46	11.61	103.58	-46.51		---	---		Peak
2	0.429	48.87	37.23	11.64	94.96	-46.09		---	---		Peak
3	9.966	38.73	26.69	12.04	69.50	-30.77		---	---		Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Ground-parallel	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m) Date: 2025-09-30

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg		
1	0.016	76.91	61.30	15.61	123.65	-46.74		---	---		Peak
2	0.031	71.24	57.63	13.61	117.70	-46.46		---	---		Peak
3	0.047	66.71	53.74	12.97	114.15	-47.44		---	---		Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m)

Date: 2025-09-26

Trace: (Discrete)

Site : TR11 9*6*6 chamber

Condition : FCC PART15C 3m EMC06502LOOP

Power :

Operator : Wilson T20 H49 P1008

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg		
1	0.159	56.76	45.15	11.61	103.58	-46.82		---	---		Peak
2	0.519	45.88	34.25	11.63	73.30	-27.42		---	---		Peak
3	9.966	40.79	28.75	12.04	69.50	-28.71		---	---		Peak

Note:

1. Level (dBuV/m) = Read level + Factor.

2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.

3. Over Limit (dB) = Level – Limit line

4. QP. is abbreviation of Quasi-Peak

5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
Freq	Level	Level	Factor	Line	Limit		
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1	0.016	77.33	61.72	15.61	123.65	-46.32	---
2	0.032	71.60	58.01	13.59	117.62	-46.02	---
3	0.047	66.28	53.31	12.97	114.15	-47.87	---

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak
5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m) Date: 2025-09-26

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T20 H49 P1008

	Read	Limit	Over	A/Pos	T/Pos	
Freq	Level	Level	Factor	Line	Limit	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	
1	0.159	57.39	45.78	11.61	103.58	-46.19
2	0.399	47.99	36.35	11.64	95.59	-47.60
3	9.966	38.28	26.24	12.04	69.50	-31.22

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

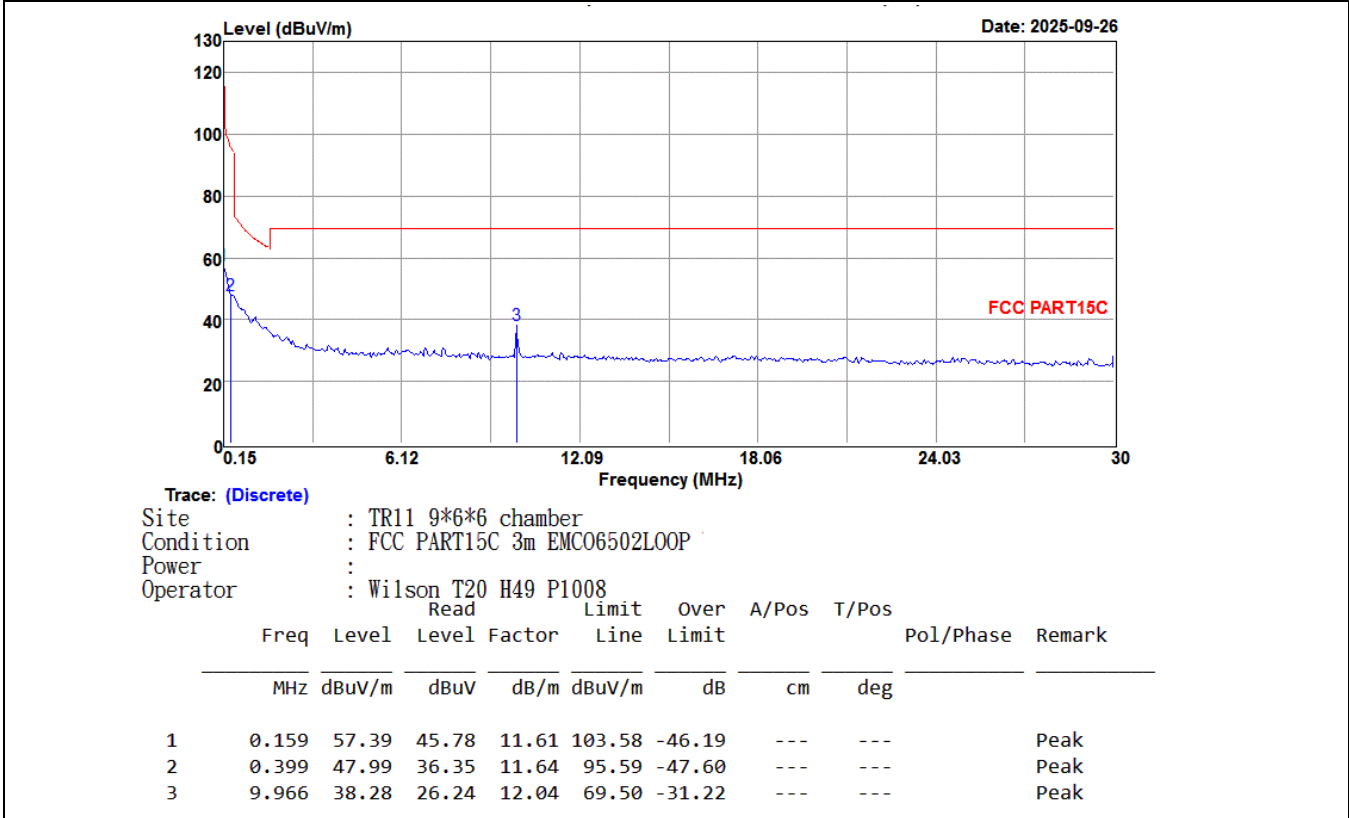
Trace: (Discrete)

Site : TR11 9*6*6 chamber
 Condition : FCC PART15C 3m EMC06502LOOP
 Power :
 Operator : Volvo T21 H50 P1013

	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
Freq	Level	Level	Factor	Line	Limit		
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1	0.016	76.89	61.28	15.61	123.65	-46.76	---
2	0.032	71.00	57.41	13.59	117.62	-46.62	---
3	0.047	66.12	53.14	12.98	114.10	-47.98	---

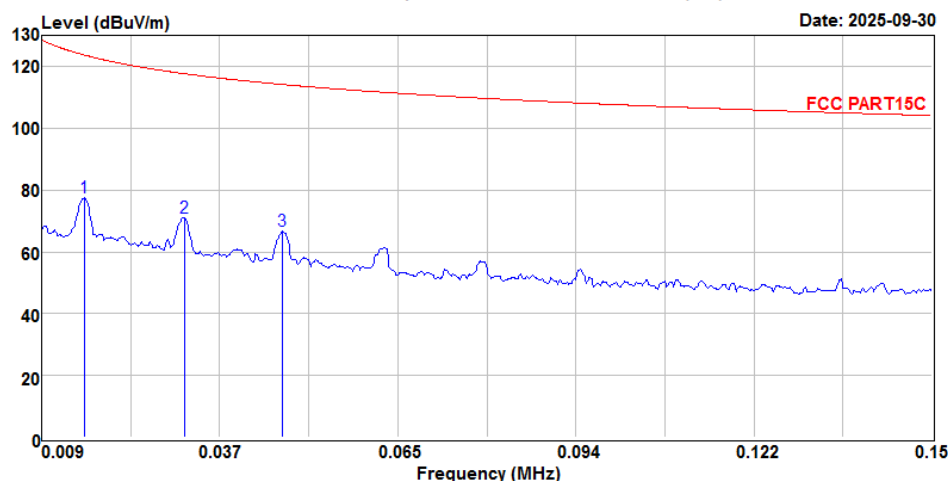
1. $\text{Level (dBuV/m)} = \text{Read level} + \text{Factor}$.
2. $\text{Factor (dB/m)} = \text{Cable Loss} + \text{Antenna Factor} - \text{Gain of Preamplifier}$.
3. $\text{Over Limit (dB)} = \text{Level} - \text{Limit line}$
4. QP. is abbreviation of Quasi-Peak
5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%



- Note:
- Level (dBuV/m) = Read level + Factor.
 - Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
 - Over Limit (dB) = Level – Limit line
 - QP. is abbreviation of Quasi-Peak
 - The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Parallel	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%



Trace: (Discrete)

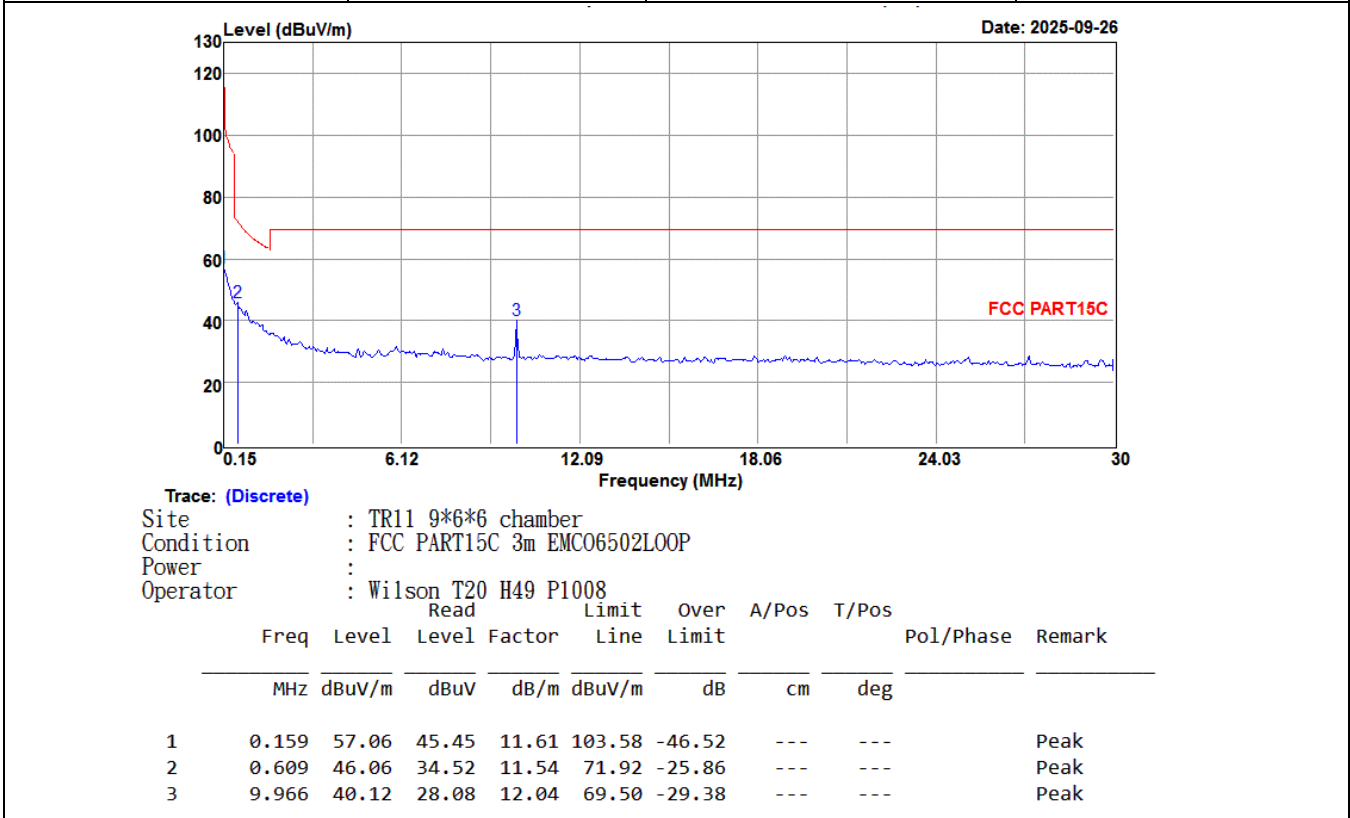
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502L00P
Power :
Operator : Volvo T21 H50 P1013

	Read	Limit	Over	A/Pos	T/Pos		
Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1	0.016	77.44	61.83	15.61	123.65	-46.21	---
2	0.032	71.12	57.53	13.59	117.62	-46.50	---
3	0.047	66.67	53.70	12.97	114.15	-47.48	---

Note:

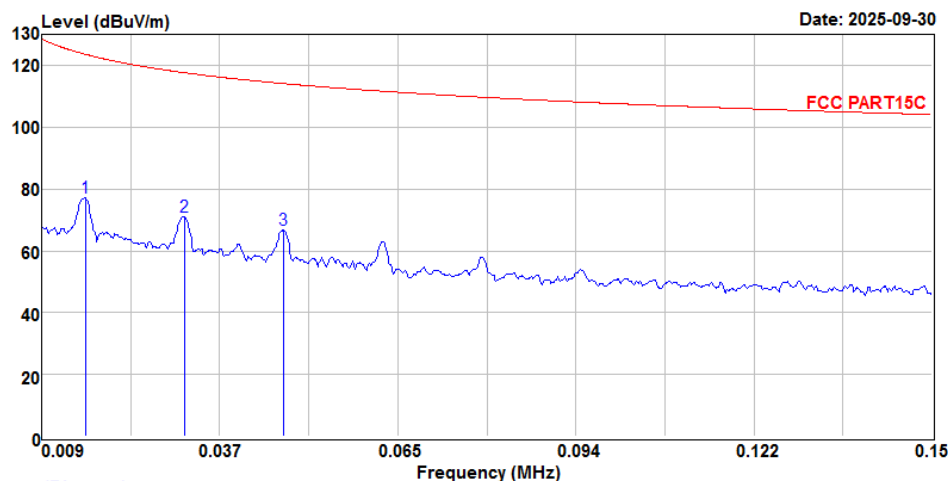
1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak
5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%



- Note:
- Level (dBuV/m) = Read level + Factor.
 - Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
 - Over Limit (dB) = Level – Limit line
 - QP. is abbreviation of Quasi-Peak
 - The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Perpendicular	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%



Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

	Read	Limit	Over	A/Pos	T/Pos		
Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1	0.016	77.06	61.47	15.59	123.50	-46.44	---
2	0.032	71.15	57.56	13.59	117.62	-46.47	---
3	0.047	66.63	53.65	12.98	114.10	-47.47	---

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak
5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m) Date: 2025-09-26

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T20 H49 P1008

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg		
1	0.159	57.71	46.10	11.61	103.58	-45.87		---	---		Peak
2	0.549	48.47	36.87	11.60	72.82	-24.35		---	---		Peak
3	9.966	39.19	27.15	12.04	69.50	-30.31		---	---		Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Perpendicular	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%

Level (dBuV/m) Date: 2025-09-30

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T21 H50 P1013

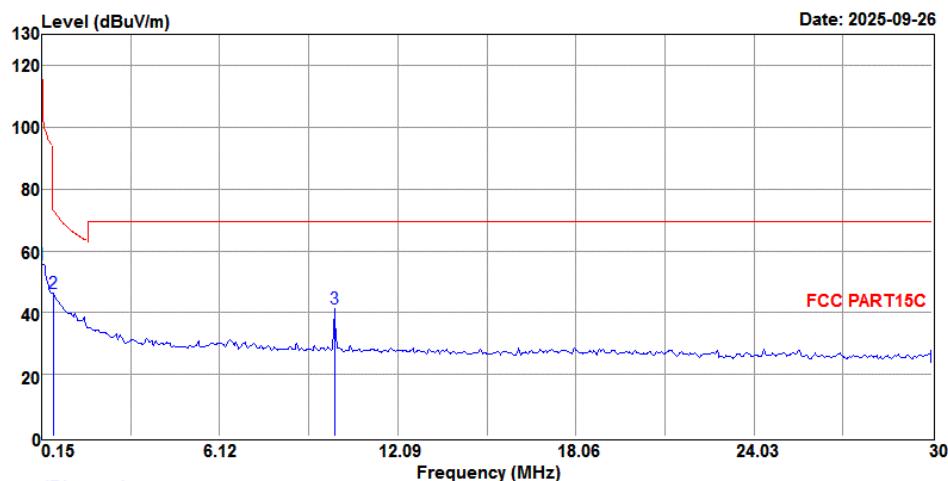
	Read	Limit	Over	A/Pos	T/Pos	
Freq	Level	Level	Factor	Line	Limit	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	
1	0.016	77.11	61.50	15.61	123.65	-46.54
2	0.031	71.19	57.58	13.61	117.70	-46.51
3	0.047	66.38	53.41	12.97	114.15	-47.77

Peak
Peak
Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	20°C	Relative Humidity:	49%



Trace: (Discrete)

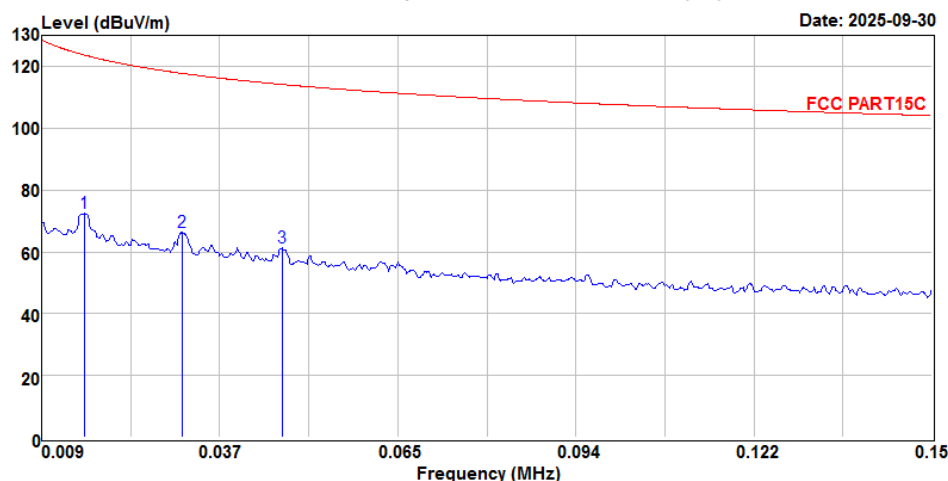
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T20 H49 P1008

	Read	Limit	Over	A/Pos	T/Pos		
Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1	0.159	55.46	43.85	11.61	103.58	-48.12	Peak
2	0.549	46.26	34.66	11.60	72.82	-26.56	Peak
3	9.966	41.16	29.12	12.04	69.50	-28.34	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Perpendicular	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%



Trace: (Discrete)

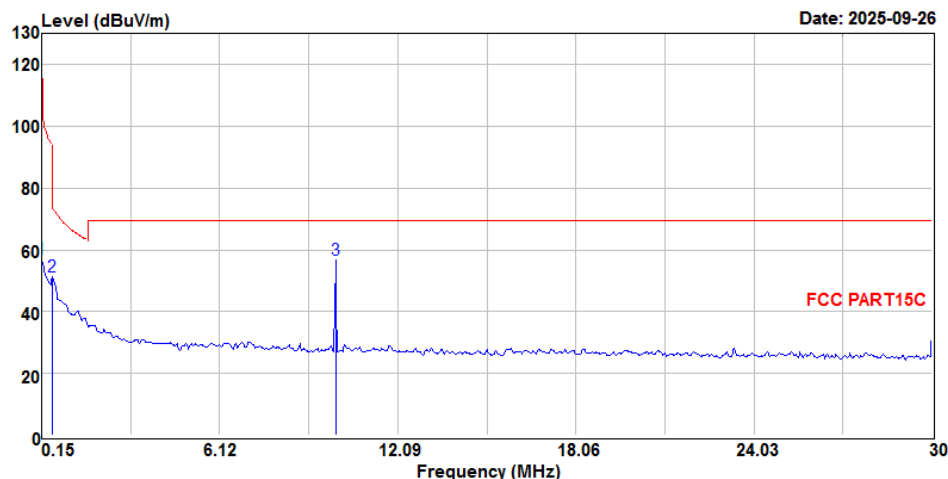
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T23 H51 P1015

	Read	Limit	Over	A/Pos	T/Pos		
Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1	0.016	72.35	56.54	15.81	123.65	-51.30	---
2	0.031	66.42	52.78	13.64	117.70	-51.28	---
3	0.047	61.18	48.22	12.96	114.15	-52.97	---

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak
5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Perpendicular	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	49%



Trace: (Discrete)

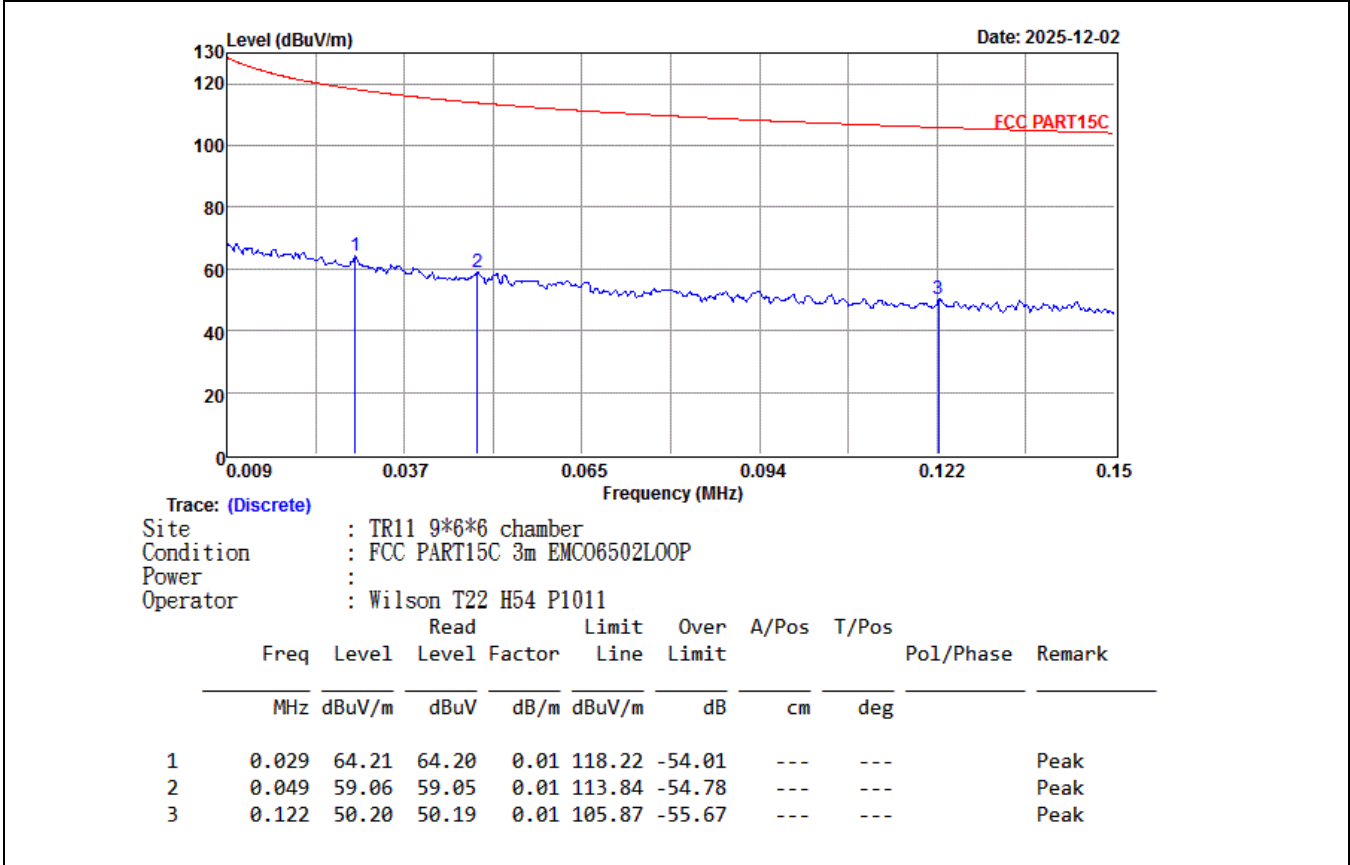
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Volvo T23 H51 P1015

	Read	Limit	Over	A/Pos	T/Pos			
Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.150	56.98	45.45	11.53	104.08	-47.10	---	Peak
2	0.508	51.23	39.78	11.45	73.48	-22.25	---	Peak
3	10.001	56.59	44.64	11.95	69.50	-12.91	---	Peak

Note:

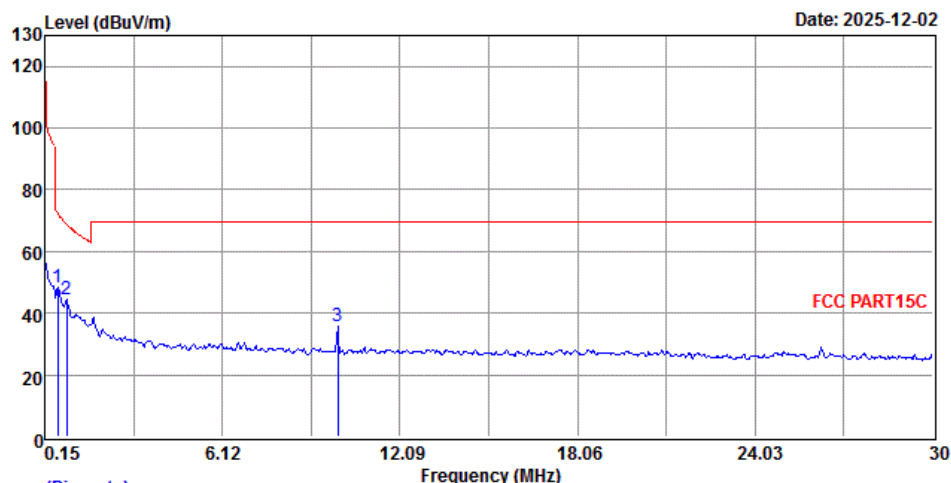
1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak
5. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



- Note:
- 6. Level (dBuV/m) = Read level + Factor.
 - 7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
 - 8. Over Limit (dB) = Level – Limit line
 - 9. QP. is abbreviation of Quasi-Peak
 - 10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

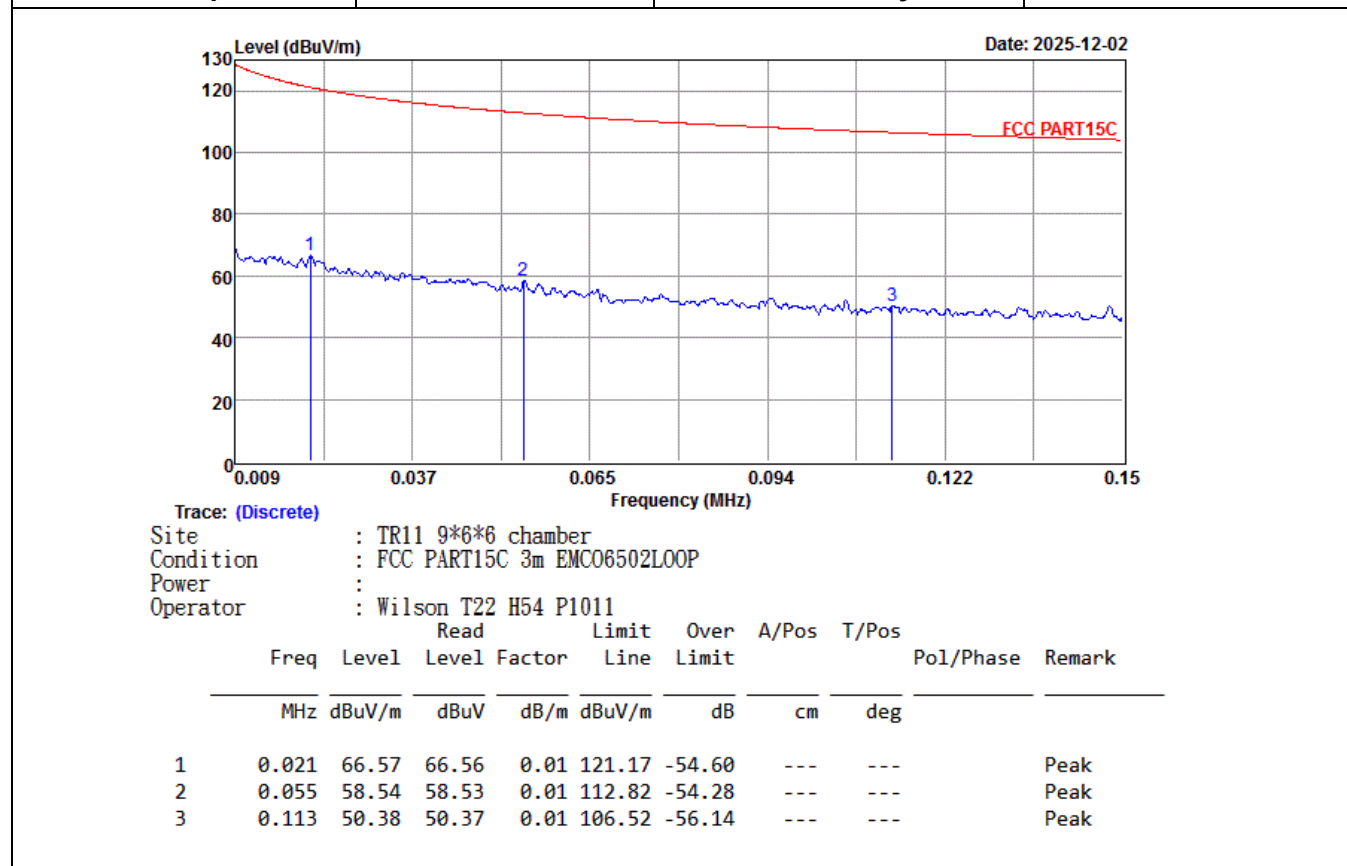
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.598	48.34	48.31	0.03	72.08	-23.74	---	---	Peak
2	0.896	44.68	44.64	0.04	68.57	-23.89	---	---	Peak
3	10.001	35.98	35.68	0.30	69.50	-33.52	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

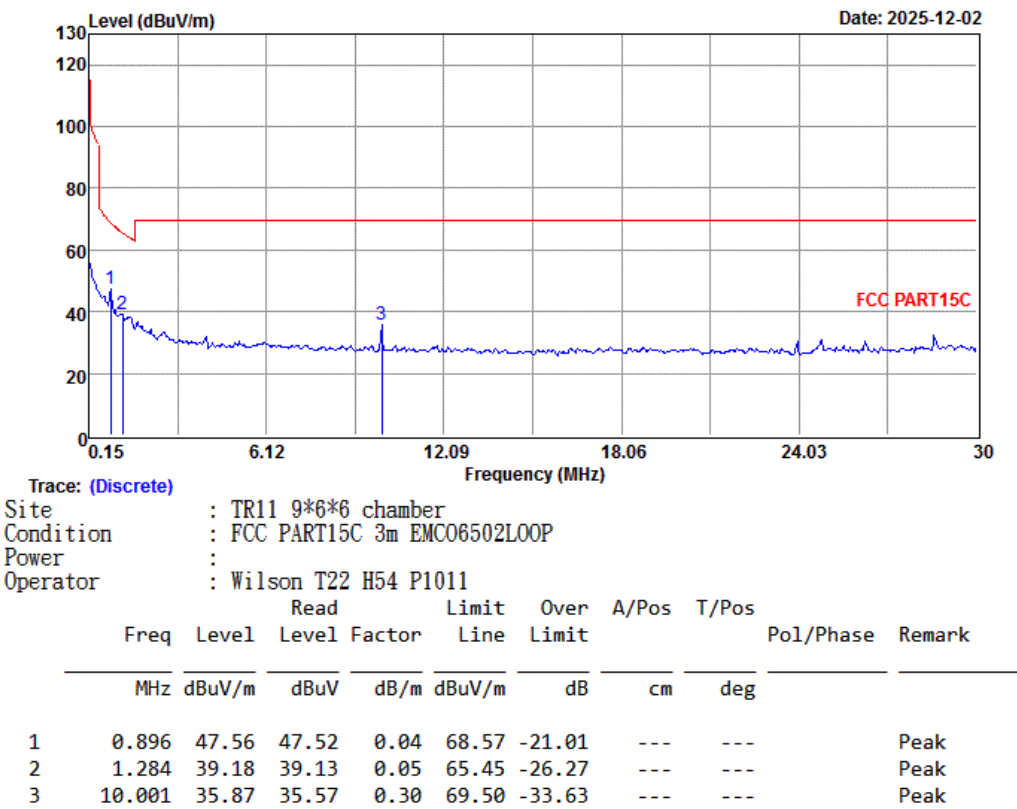
Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Note:

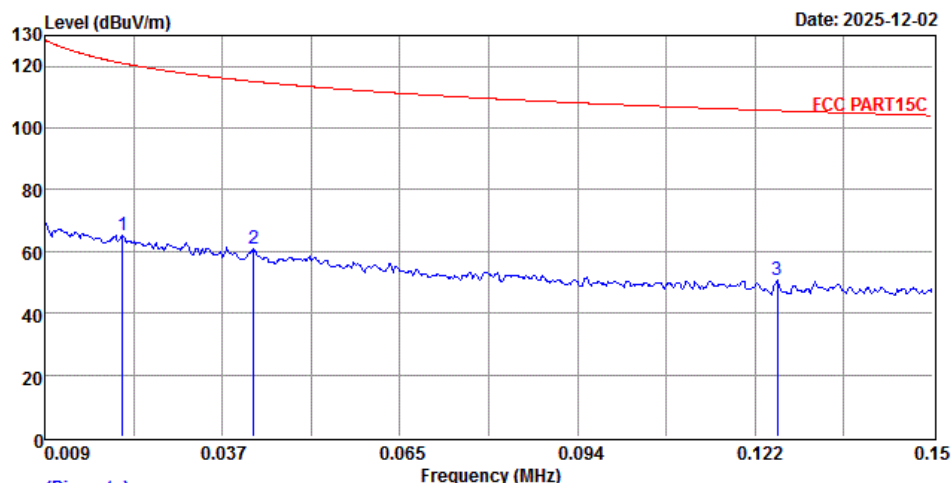
6. Level (dBUV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



- Note:
- 6. Level (dBuV/m) = Read level + Factor.
 - 7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
 - 8. Over Limit (dB) = Level – Limit line
 - 9. QP. is abbreviation of Quasi-Peak
 - 10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Interl Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

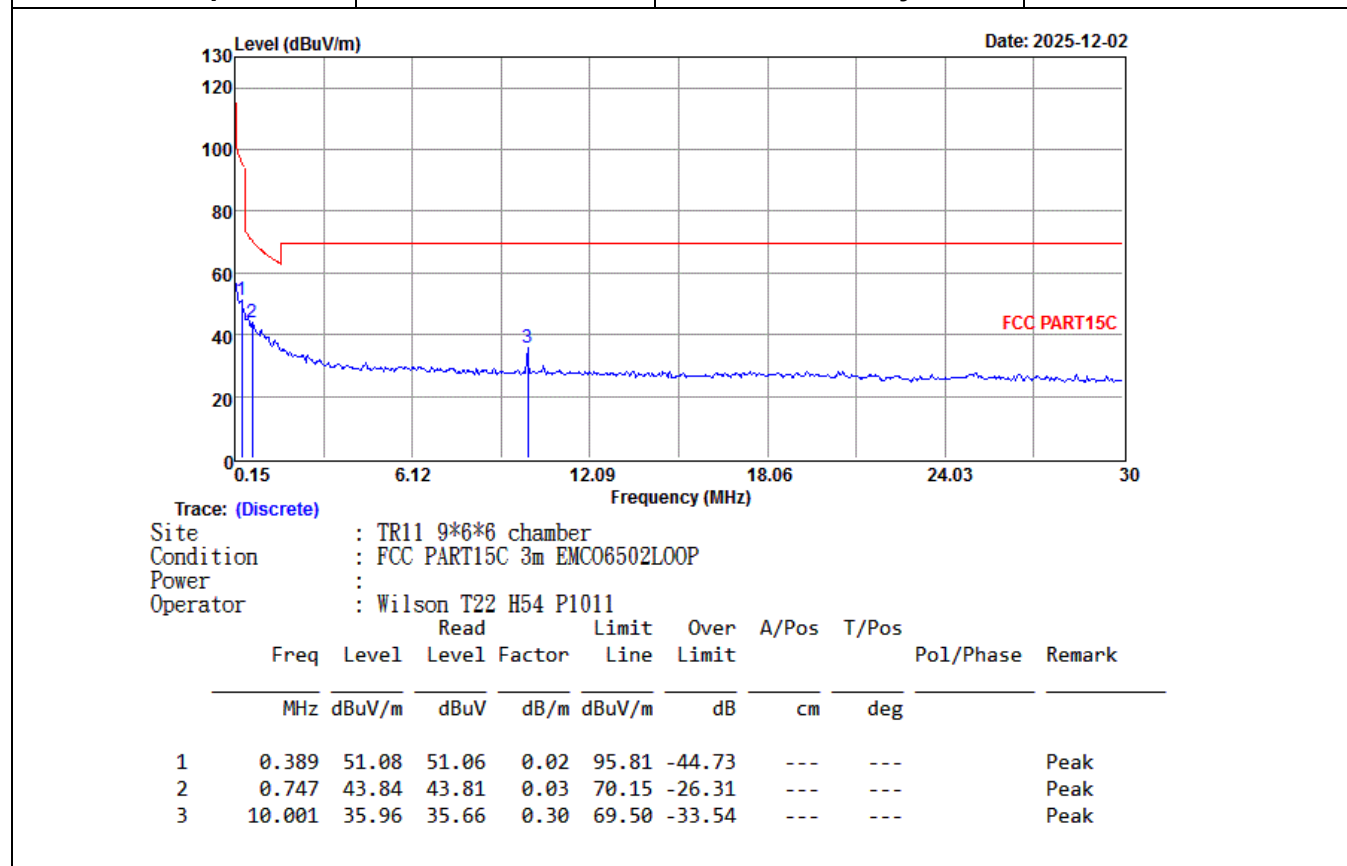
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.021	65.45	65.44	0.01	120.99	-55.54	---	---	Peak
2	0.042	60.75	60.74	0.01	115.11	-54.36	---	---	Peak
3	0.125	50.53	50.52	0.01	105.64	-55.11	---	---	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

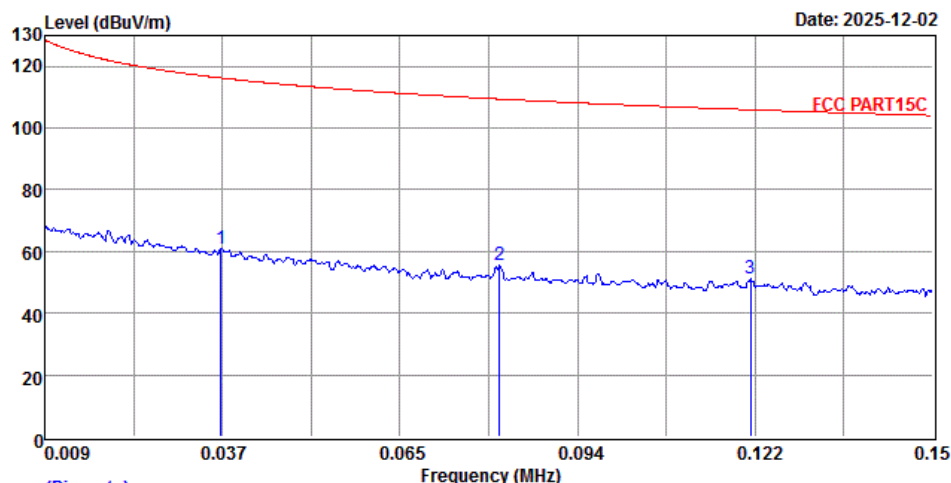
Test Mode:	Continuous Transmitting 924.1 MHz Interl Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

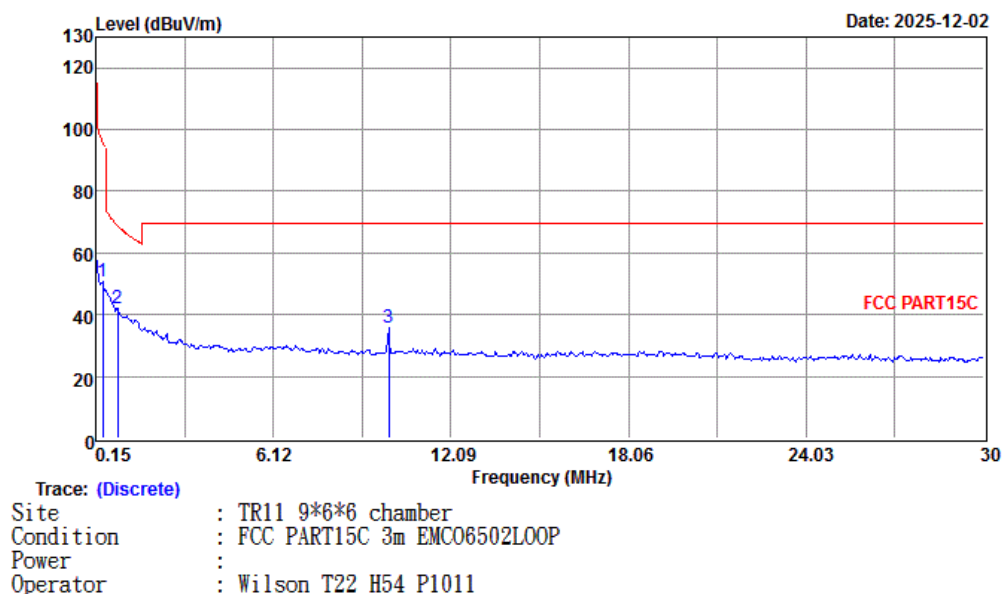
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.037	60.93	60.92	0.01	116.26	-55.33	---	---	Peak
2	0.081	55.54	55.53	0.01	109.41	-53.87	---	---	Peak
3	0.121	51.21	51.20	0.01	105.94	-54.73	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.389	50.50	50.48	0.02	95.81	-45.31	---	---	Peak
2	0.896	42.28	42.24	0.04	68.57	-26.29	---	---	Peak
3	10.001	35.59	35.29	0.30	69.50	-33.91	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%

Level (dBuV/m)

Date: 2025-12-02

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase
			dBuV	dB/m	dBuV/m	dB	cm	deg
1	0.030	62.42	62.41	0.01	118.10	-55.68	---	---
2	0.057	57.61	57.60	0.01	112.45	-54.84	---	---
3	0.122	51.75	51.74	0.01	105.91	-54.16	---	---

Note:

6.

Level (dBuV/m) = Read level + Factor.

7.

Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.

8.

Over Limit (dB) = Level – Limit line

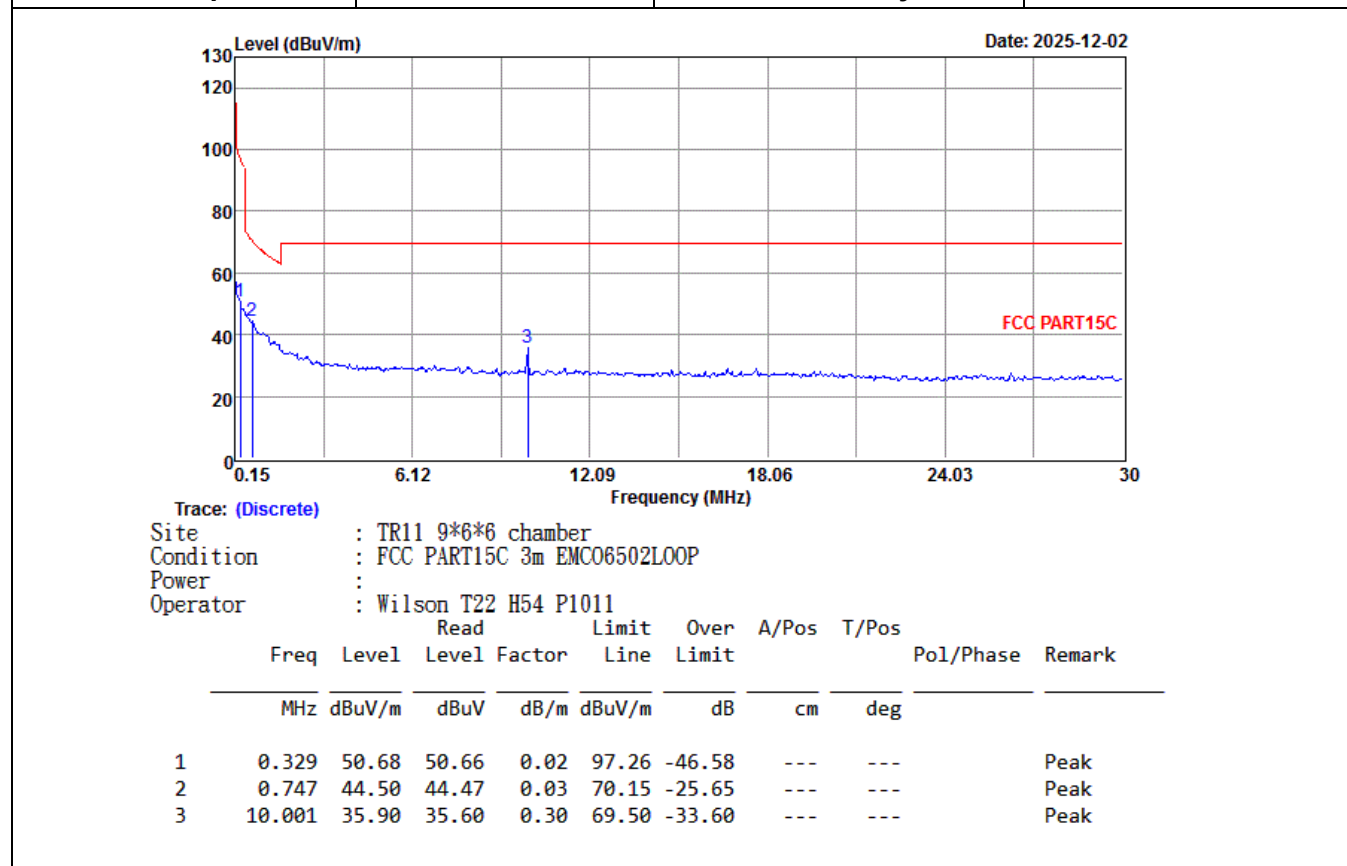
9.

QP. is abbreviation of Quasi-Peak

10.

The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

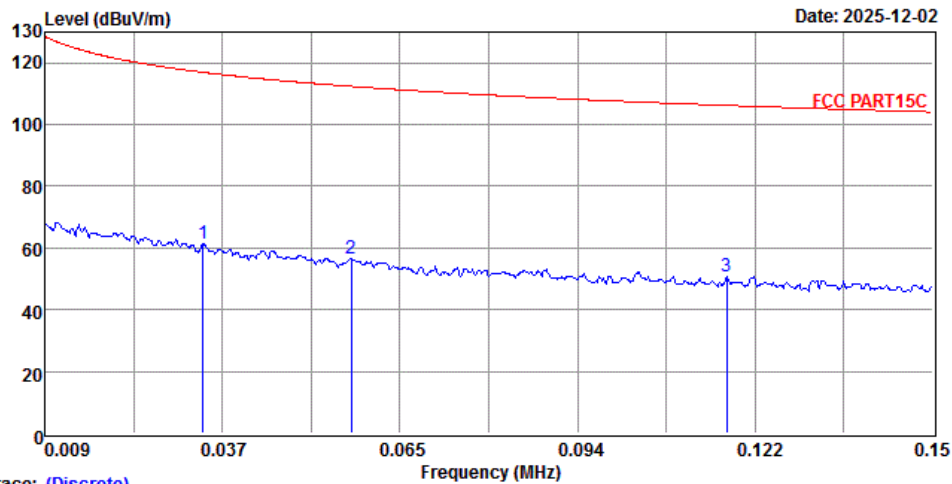
Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Note:

6. Level (dBUV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Interl Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

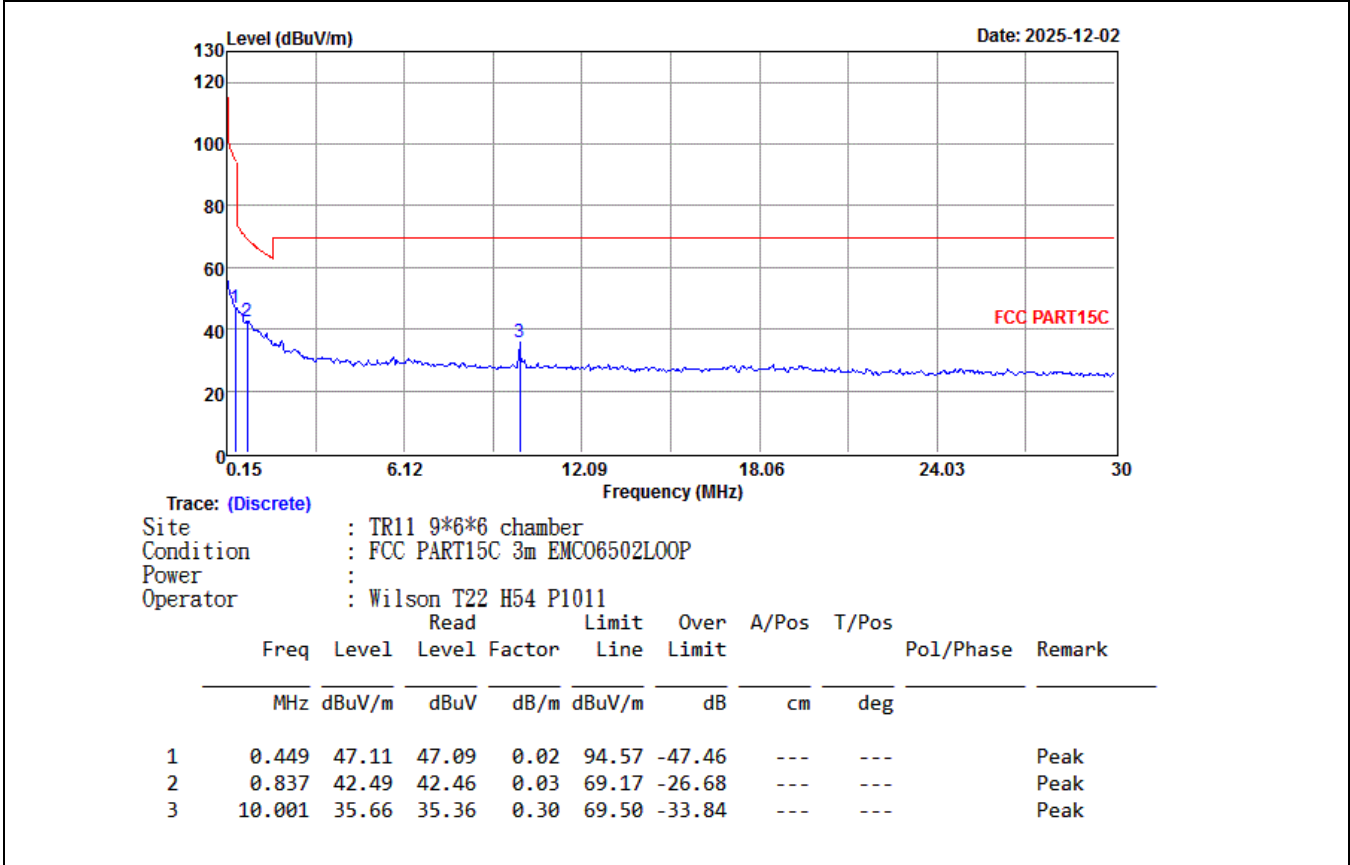
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	Remark
1	0.034	61.33	61.32	0.01	116.95	-55.62	---	---	Peak
2	0.058	56.53	56.52	0.01	112.39	-55.86	---	---	Peak
3	0.117	50.62	50.61	0.01	106.22	-55.60	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Interl Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



- Note:
- 6. Level (dBUV/m) = Read level + Factor.
 - 7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
 - 8. Over Limit (dB) = Level – Limit line
 - 9. QP. is abbreviation of Quasi-Peak
 - 10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%

Level (dBuV/m)

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.034	60.67	60.66	0.01	117.06	-56.39	---	---	Peak
2	0.058	57.92	57.91	0.01	112.28	-54.36	---	---	Peak
3	0.116	50.83	50.82	0.01	106.28	-55.45	---	---	Peak

Date: 2025-12-02

FCC PART15C

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%

Level (dBuV/m)

Date: 2025-12-02

FCC PART15C

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.598	46.73	46.70	0.03	72.08	-25.35	---	---	Peak
2	0.926	41.21	41.17	0.04	68.29	-27.08	---	---	Peak
3	10.001	35.92	35.62	0.30	69.50	-33.58	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.

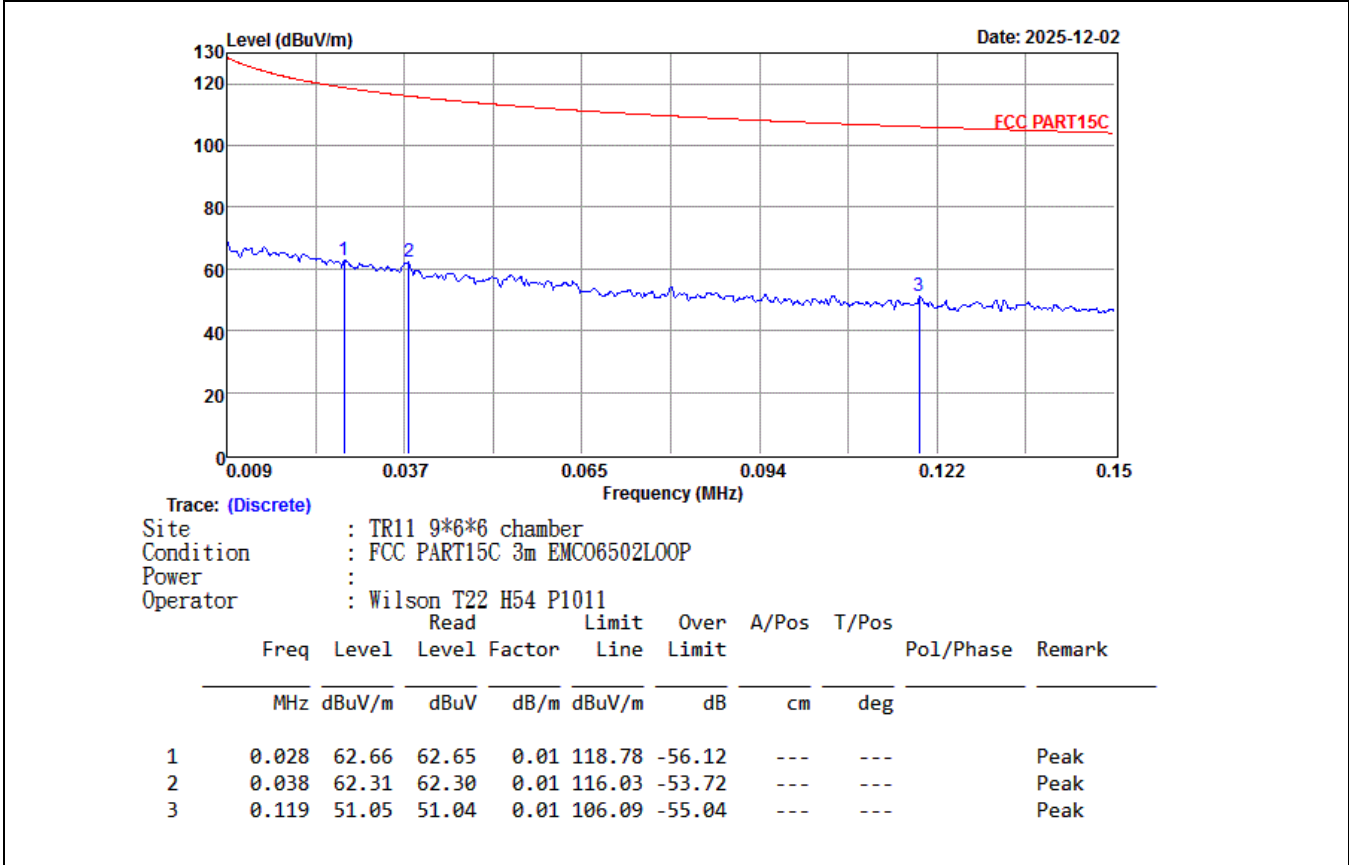
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.

8. Over Limit (dB) = Level – Limit line

9. QP. is abbreviation of Quasi-Peak

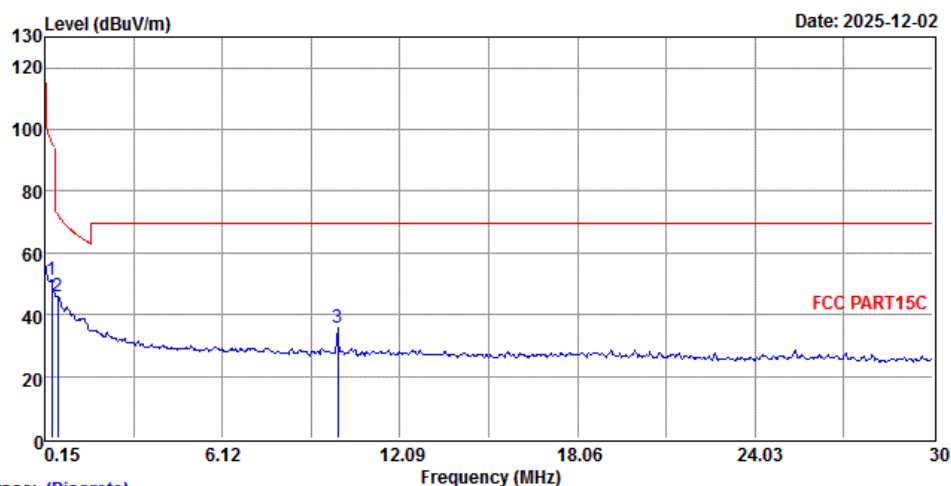
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



- Note:
- 6. Level (dBuV/m) = Read level + Factor.
 - 7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
 - 8. Over Limit (dB) = Level – Limit line
 - 9. QP. is abbreviation of Quasi-Peak
 - 10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

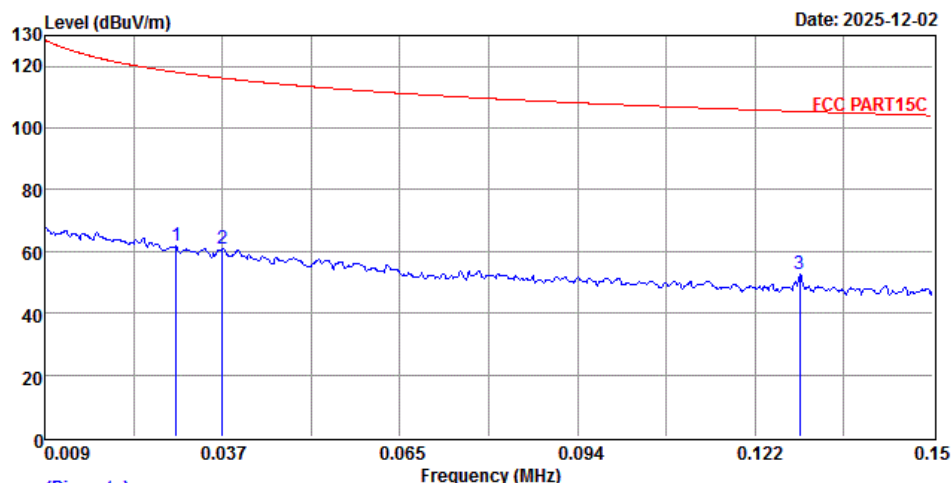
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBUV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
			dBuV	dB/m	dBUV/m	dB	cm	deg	
1	0.389	51.30	51.28	0.02	95.81	-44.51	---	---	Peak
2	0.598	46.10	46.07	0.03	72.08	-25.98	---	---	Peak
3	10.001	35.82	35.52	0.30	69.50	-33.68	---	---	Peak

Note:

6. Level (dBUV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Interl Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

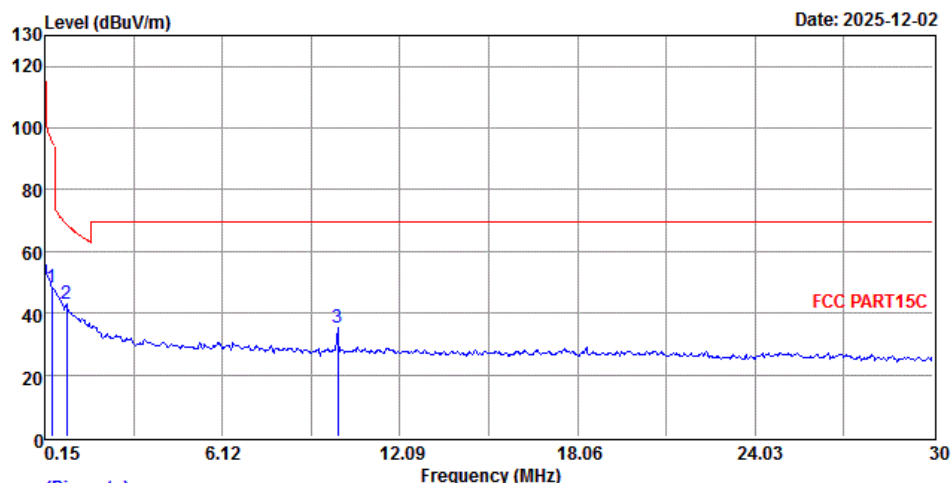
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.030	61.76	61.75	0.01	118.10	-56.34	---	---	Peak
2	0.037	61.01	61.00	0.01	116.19	-55.18	---	---	Peak
3	0.129	52.53	52.52	0.01	105.40	-52.87	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz Interl Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

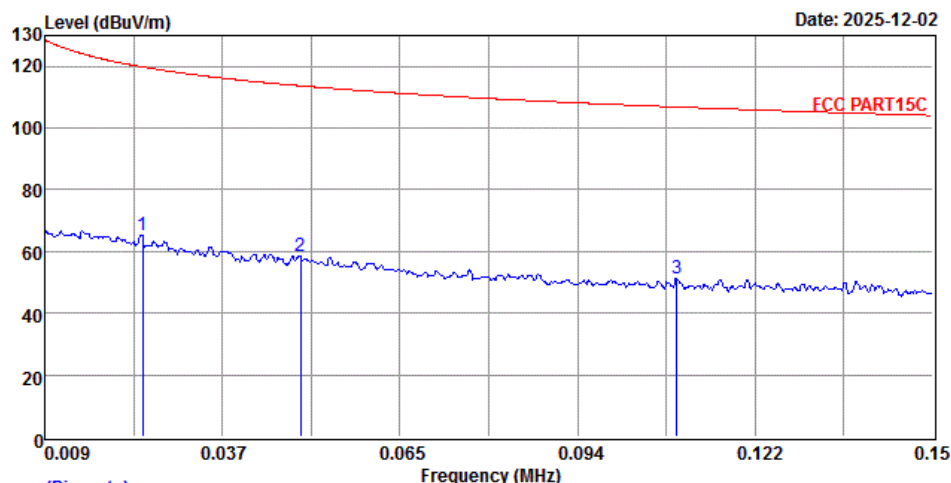
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.389	48.26	48.24	0.02	95.81	-47.55	---	---	Peak
2	0.896	43.09	43.05	0.04	68.57	-25.48	---	---	Peak
3	10.001	35.06	34.76	0.30	69.50	-34.44	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	30 kHz ~ 150 kHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

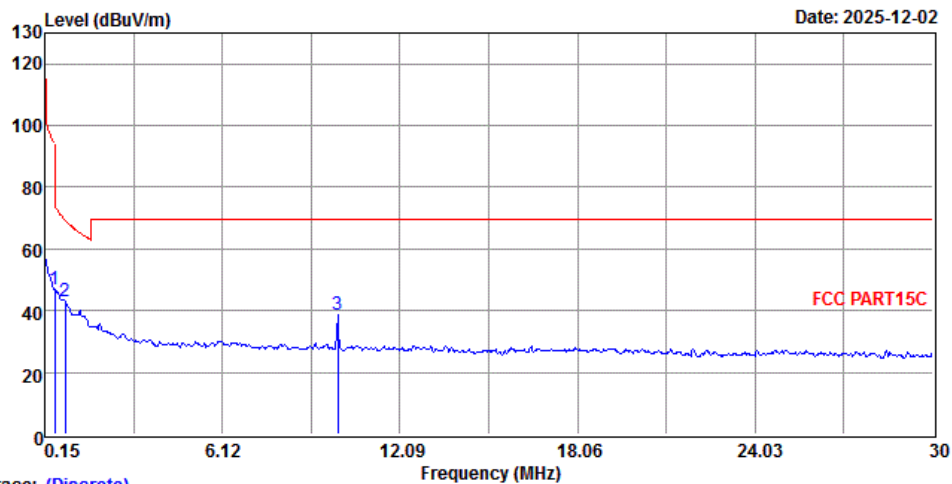
Site : TR11 9*6*6 chamber
 Condition : FCC PART15C 3m EMC06502LOOP
 Power :
 Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBUV/m	dBuV	dB/m	dBUV/m	dB	cm	deg	
1	0.025	65.36	65.35	0.01	119.82	-54.46	---	---	Peak
2	0.050	58.48	58.47	0.01	113.69	-55.21	---	---	Peak
3	0.109	51.12	51.11	0.01	106.82	-55.70	---	---	Peak

Note:

6. Level (dBUV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

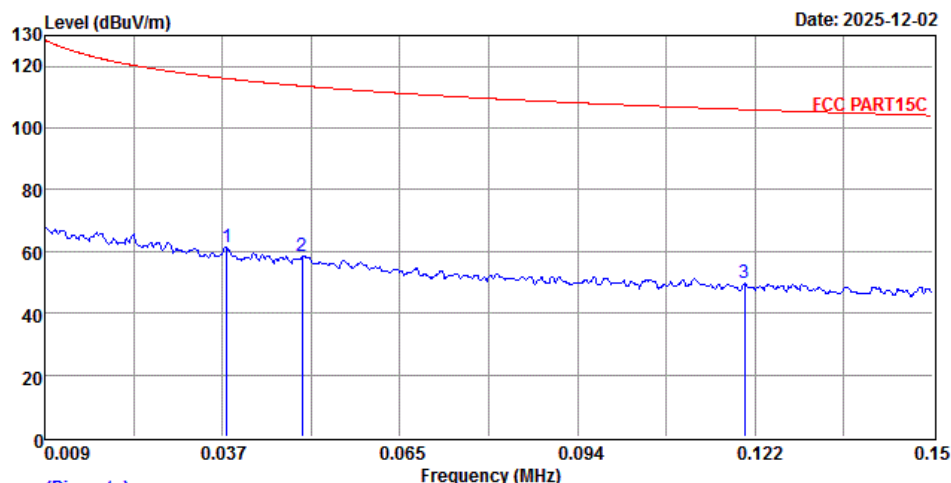
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBUV/m	dBuV	dB/m	dBUV/m	dB	cm	deg		
1	0.478	46.68	46.66	0.02	94.01	-47.33	---	---		Peak
2	0.837	43.05	43.02	0.03	69.17	-26.12	---	---		Peak
3	10.001	38.61	38.31	0.30	69.50	-30.89	---	---		Peak

Note:

6. Level (dBUV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

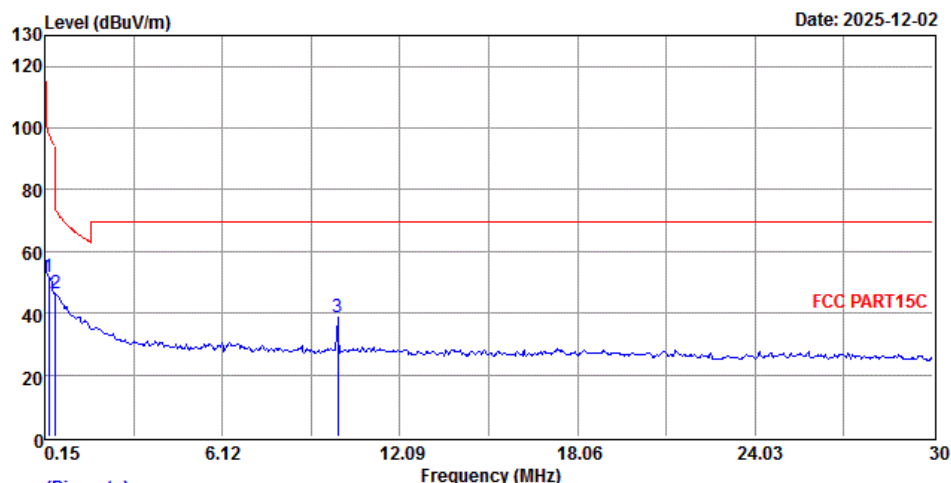
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.038	61.37	61.36	0.01	116.03	-54.66	---	---	Peak
2	0.050	58.70	58.69	0.01	113.64	-54.94	---	---	Peak
3	0.120	49.95	49.94	0.01	106.01	-56.06	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBUV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
			dBuV	dB/m	dBUV/m	dB	cm	deg	
1	0.299	51.77	51.75	0.02	98.08	-46.31	---	---	Peak
2	0.508	46.50	46.48	0.02	73.48	-26.98	---	---	Peak
3	10.001	38.51	38.21	0.30	69.50	-30.99	---	---	Peak

Note:

6. Level (dBUV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%

Level (dBuV/m)

Date: 2025-12-02

Trace: (Discrete)

Site : TR11 9*6*6 chamber

Condition : FCC PART15C 3m EMC06502LOOP

Power :

Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.034	60.57	60.56	0.01	116.88	-56.31	---	---	Peak
2	0.055	57.45	57.44	0.01	112.82	-55.37	---	---	Peak
3	0.115	51.81	51.80	0.01	106.41	-54.60	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.

7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.

8. Over Limit (dB) = Level – Limit line

9. QP. is abbreviation of Quasi-Peak

10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Ground-parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%

Level (dBuV/m)

Date: 2025-12-02

FCC PART15C

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.598	48.23	48.20	0.03	72.08	-23.85	---	---	Peak
2	1.195	40.33	40.29	0.04	66.08	-25.75	---	---	Peak
3	10.001	38.66	38.36	0.30	69.50	-30.84	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.

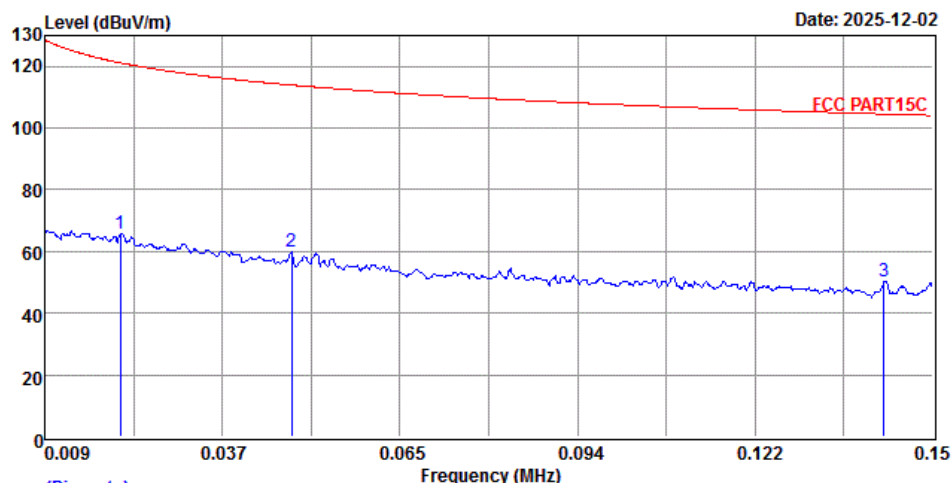
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.

8. Over Limit (dB) = Level – Limit line

9. QP. is abbreviation of Quasi-Peak

10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

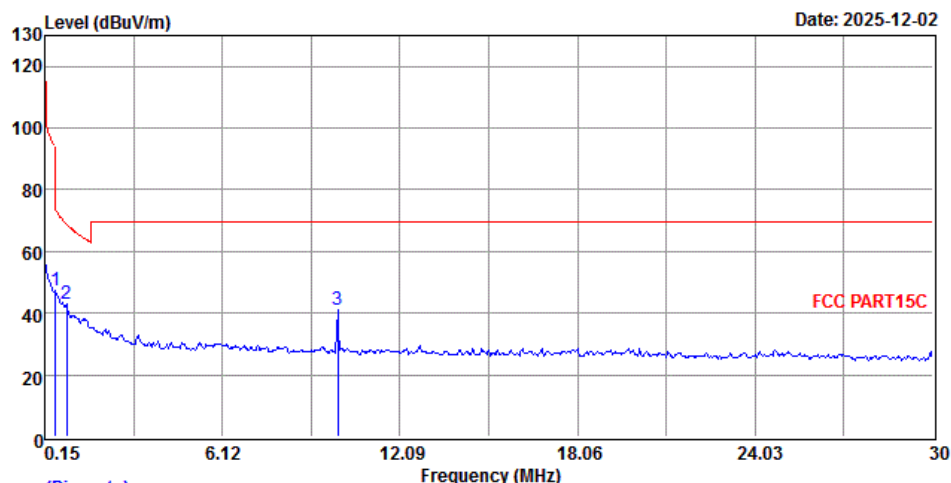
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.021	65.85	65.84	0.01	121.17	-55.32	---	---	Peak
2	0.048	59.88	59.87	0.01	113.94	-54.06	---	---	Peak
3	0.142	50.04	50.03	0.01	104.54	-54.50	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

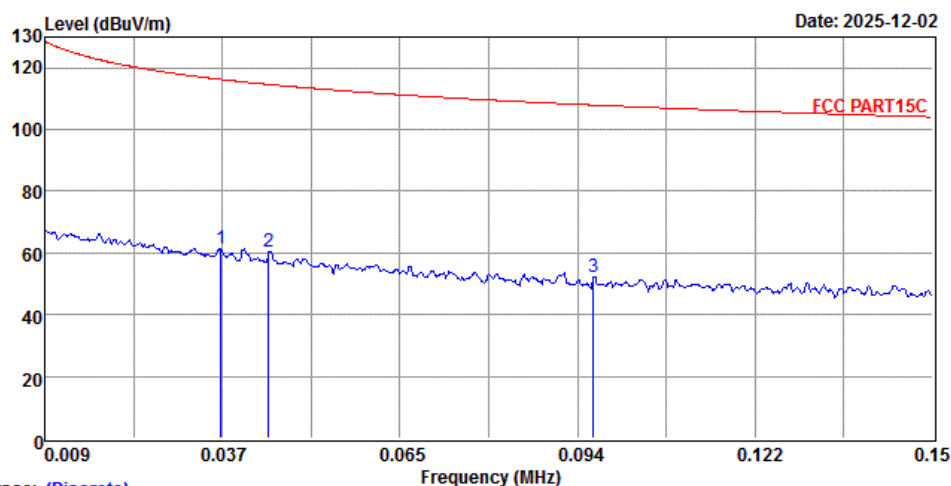
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBUV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
			dBuV	dB/m	dBUV/m	dB	cm	deg	
1	0.508	47.13	47.11	0.02	73.48	-26.35	---	---	Peak
2	0.896	42.81	42.77	0.04	68.57	-25.76	---	---	Peak
3	10.001	41.18	40.88	0.30	69.50	-28.32	---	---	Peak

Note:

6. Level (dBUV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

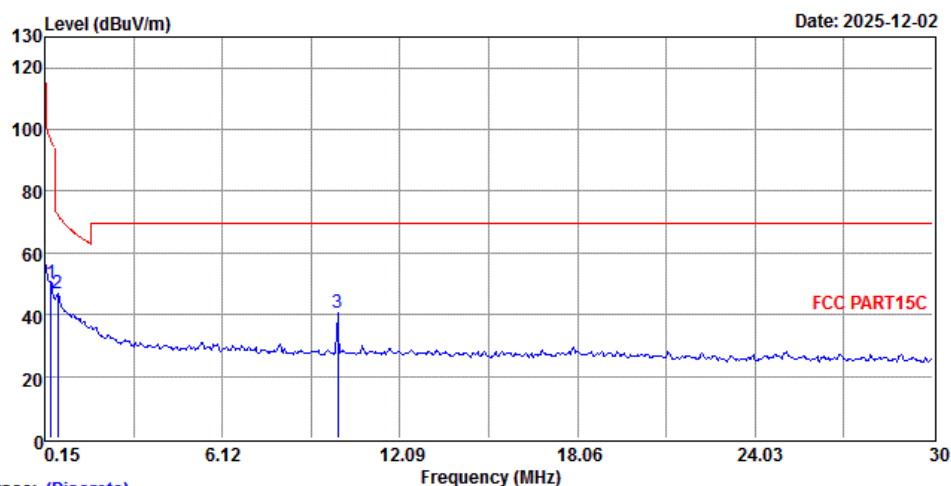
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.037	61.62	61.61	0.01	116.26	-54.64	---	---	Peak
2	0.045	60.48	60.47	0.01	114.63	-54.15	---	---	Peak
3	0.096	52.22	52.21	0.01	107.95	-55.73	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

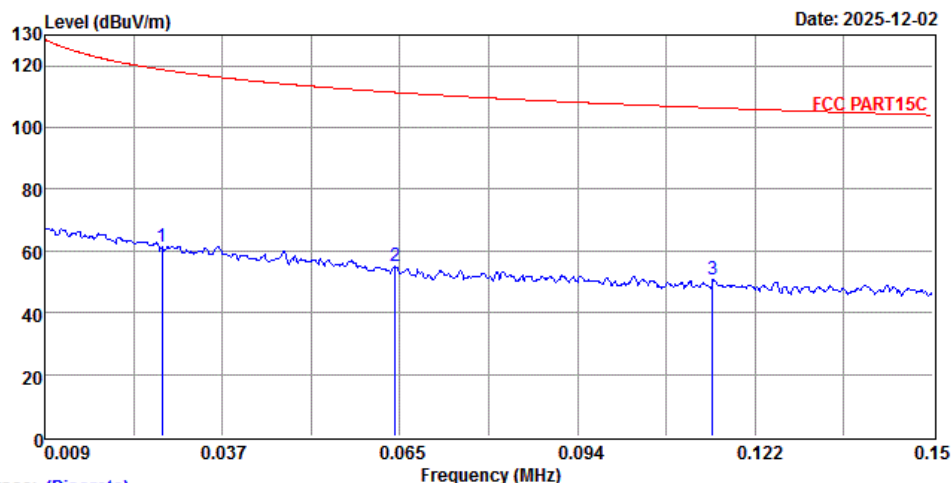
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.359	50.33	50.31	0.02	96.50	-46.17	---	---	Peak
2	0.598	47.08	47.05	0.03	72.08	-25.00	---	---	Peak
3	10.001	40.70	40.40	0.30	69.50	-28.80	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

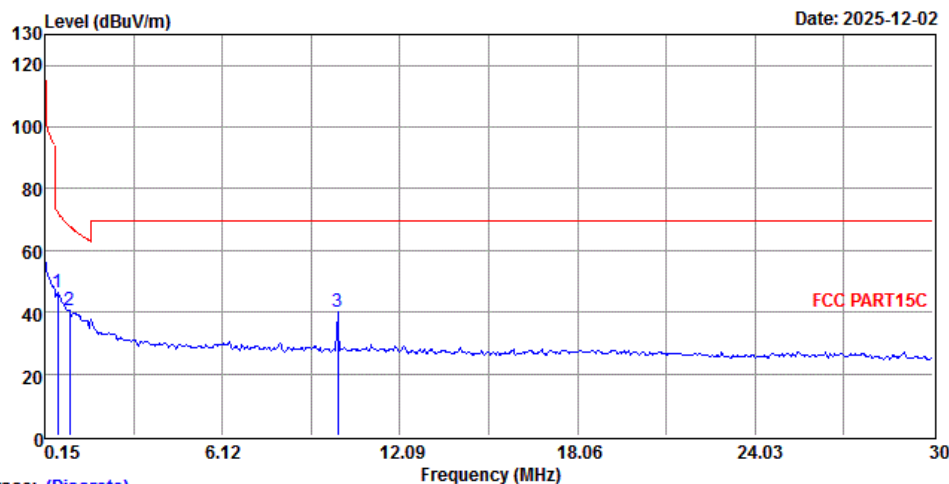
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.028	61.53	61.52	0.01	118.78	-57.25	---	---	Peak
2	0.065	54.89	54.88	0.01	111.39	-56.50	---	---	Peak
3	0.115	50.54	50.53	0.01	106.39	-55.85	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Parallel	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

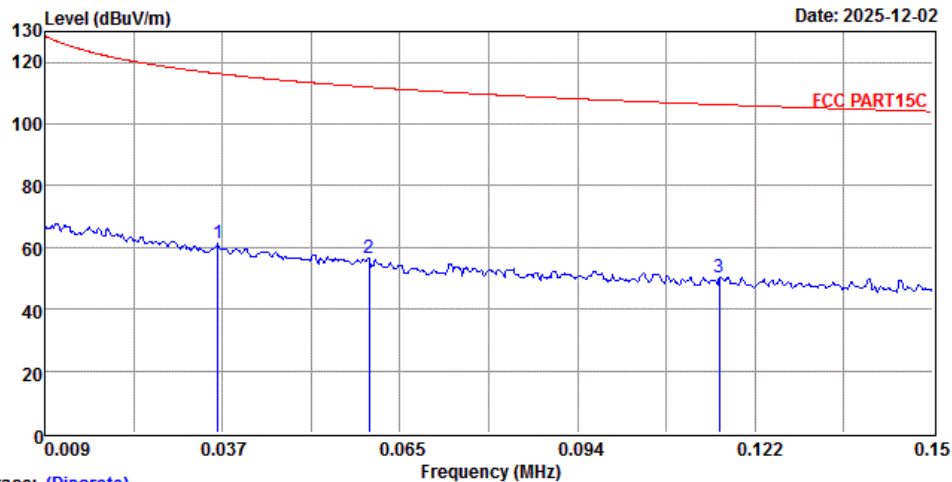
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Read	Limit	Over	A/Pos	T/Pos		
Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg
1	0.598	46.18	46.15	0.03	72.08	-25.90	---
2	0.986	40.70	40.66	0.04	67.75	-27.05	---
3	10.001	40.03	39.73	0.30	69.50	-29.47	---

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

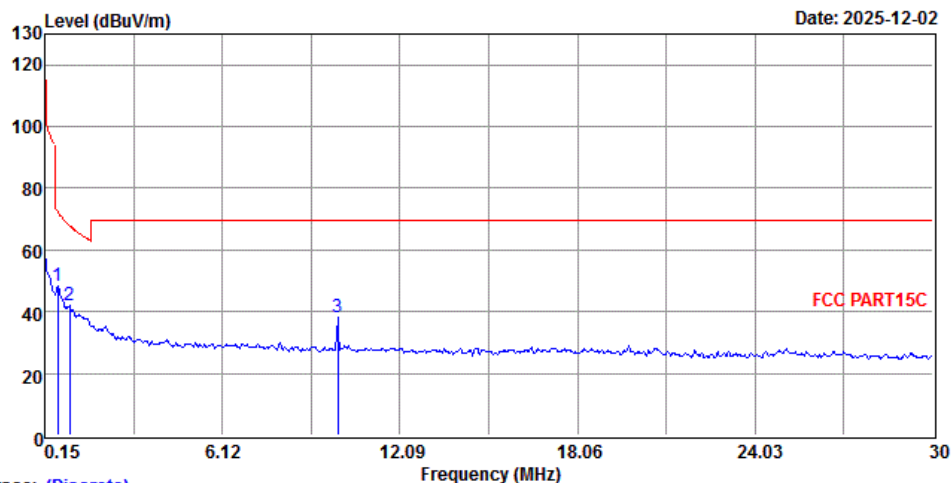
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.036	61.17	61.16	0.01	116.36	-55.19	---	---	Peak
2	0.060	56.70	56.69	0.01	111.97	-55.27	---	---	Peak
3	0.116	50.43	50.42	0.01	106.30	-55.87	---	---	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

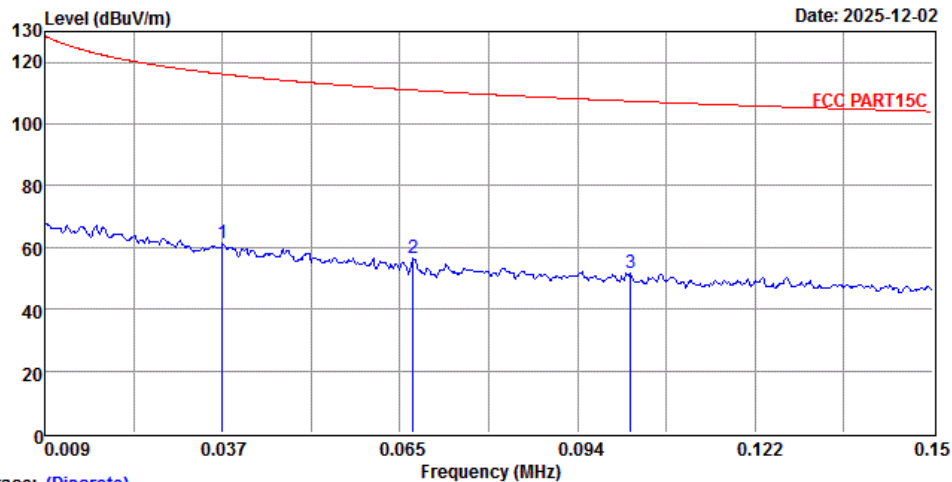
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.598	48.09	48.06	0.03	72.08	-23.99	---	---	Peak
2	0.986	42.08	42.04	0.04	67.75	-25.67	---	---	Peak
3	10.001	38.26	37.96	0.30	69.50	-31.24	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

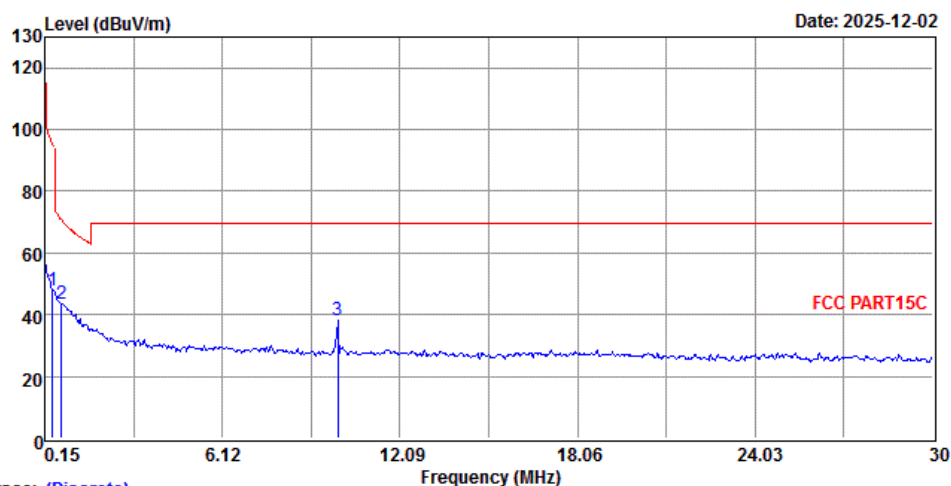
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBUV/m	dBuV	dB/m	dBUV/m	dB	cm	deg	
1	0.037	61.26	61.25	0.01	116.19	-54.93	---	---	Peak
2	0.068	56.52	56.51	0.01	111.02	-54.50	---	---	Peak
3	0.102	51.91	51.90	0.01	107.43	-55.52	---	---	Peak

Note:

6. Level (dBUV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

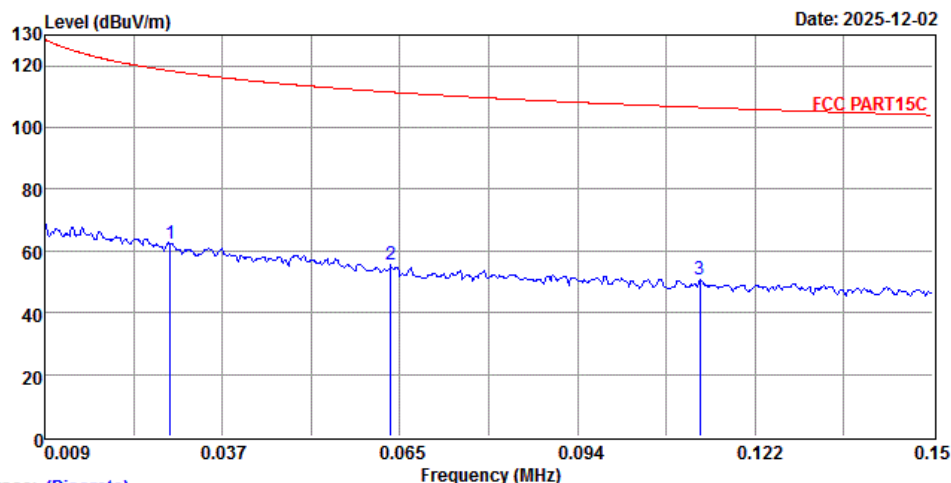
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.419	47.99	47.97	0.02	95.17	-47.18	---	---	Peak
2	0.717	43.53	43.50	0.03	70.50	-26.97	---	---	Peak
3	10.001	38.11	37.81	0.30	69.50	-31.39	---	---	Peak

Note:

6. Level (dBuV/m) = Read level + Factor.
7. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
8. Over Limit (dB) = Level – Limit line
9. QP. is abbreviation of Quasi-Peak
10. The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	9 kHz ~ 150 kHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



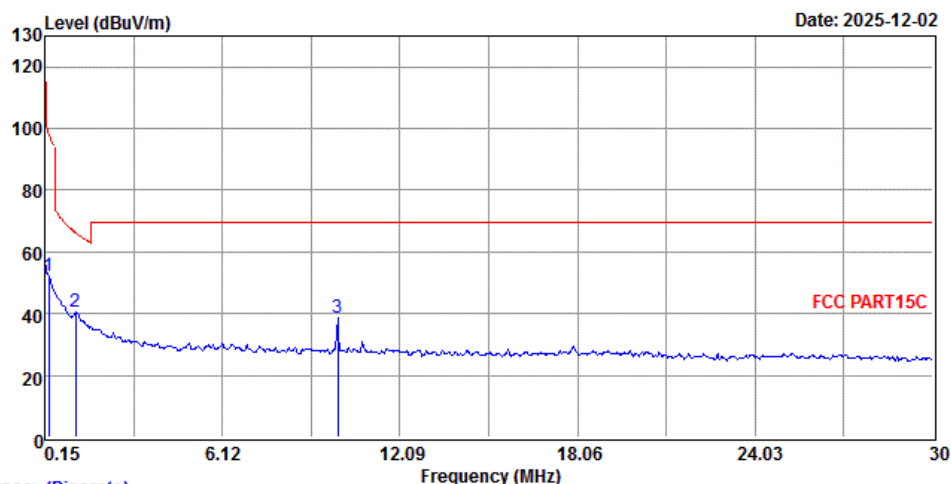
Trace: (Discrete)
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	0.029	62.46	62.45	0.01	118.39	-55.93	---	---	Peak
2	0.064	55.39	55.38	0.01	111.48	-56.09	---	---	Peak
3	0.113	50.52	50.51	0.01	106.54	-56.02	---	---	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	150 kHz ~ 30 MHz		
Polarization:	Perpendicular	Tester:	Wilson
Ambient Temp.:	22°C	Relative Humidity:	54%



Trace: (Discrete)

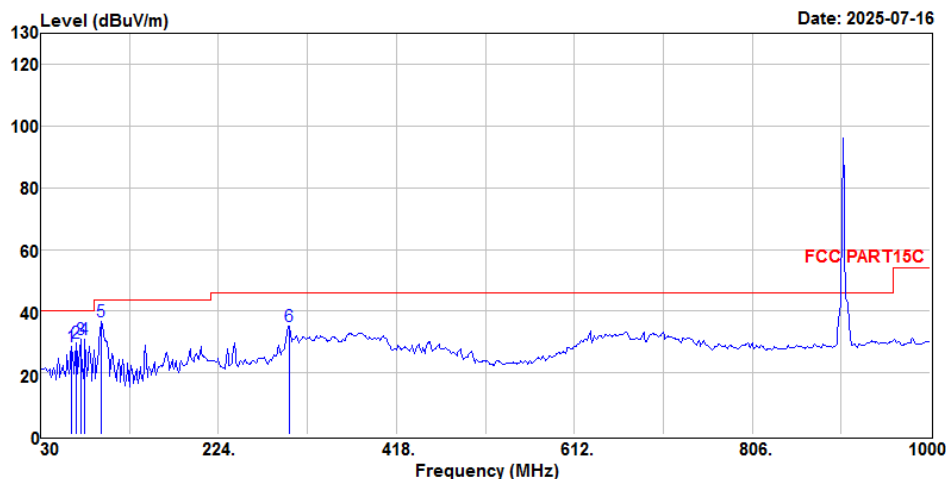
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m EMC06502LOOP
Power :
Operator : Wilson T22 H54 P1011

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg		
1	0.299	52.34	52.32	0.02	98.08	-45.74	---	---	---	---	Peak
2	1.195	40.75	40.71	0.04	66.08	-25.33	---	---	---	---	Peak
3	10.001	38.67	38.37	0.30	69.50	-30.83	---	---	---	---	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak
- The receive antenna is setup at parallel, ground-parallel and perpendicular. The report just record the worst data of antenna orientation.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	51%



Trace: (Discrete)

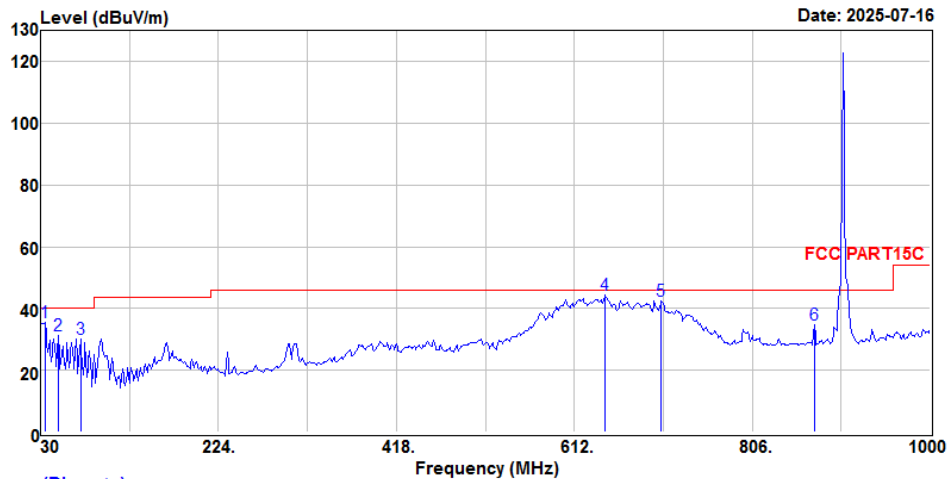
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T20 H51 P1012

	Read	Limit	Over	A/Pos	T/Pos			
Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	63.950	28.47	50.31	-21.84	40.00	-11.53	---	HORIZONTAL Peak
2	68.800	29.70	52.51	-22.81	40.00	-10.30	---	HORIZONTAL Peak
3	73.650	30.75	54.87	-24.12	40.00	-9.25	---	HORIZONTAL Peak
4	78.500	30.76	56.11	-25.35	40.00	-9.24	---	HORIZONTAL Peak
5	95.960	36.47	62.21	-25.74	43.50	-7.03	---	HORIZONTAL Peak
6	301.600	35.27	54.73	-19.46	46.00	-10.73	---	HORIZONTAL Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	51%



Trace: (Discrete)

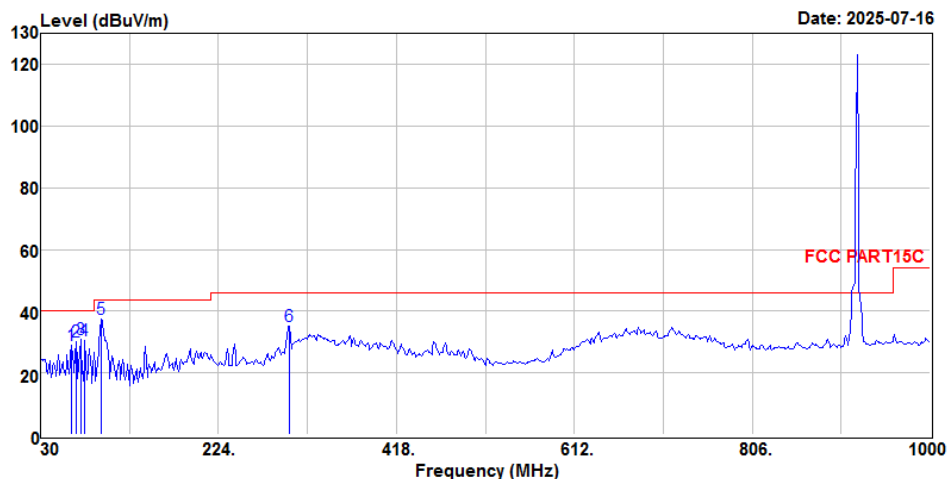
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T20 H51 P1012

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg		
1	34.850	35.63	57.64	-22.01	40.00	-4.37	---	---	---	VERTICAL	Peak
2	49.400	31.21	51.82	-20.61	40.00	-8.79	---	---	---	VERTICAL	Peak
3	73.650	29.99	54.11	-24.12	40.00	-10.01	---	---	---	VERTICAL	Peak
4	645.950	44.38	55.80	-11.42	46.00	-1.62	---	---	---	VERTICAL	Peak
5	707.060	42.59	53.34	-10.75	46.00	-3.41	---	---	---	VERTICAL	Peak
6	873.900	34.71	43.11	-8.40	46.00	-11.29	---	---	---	VERTICAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	51%



Trace: (Discrete)

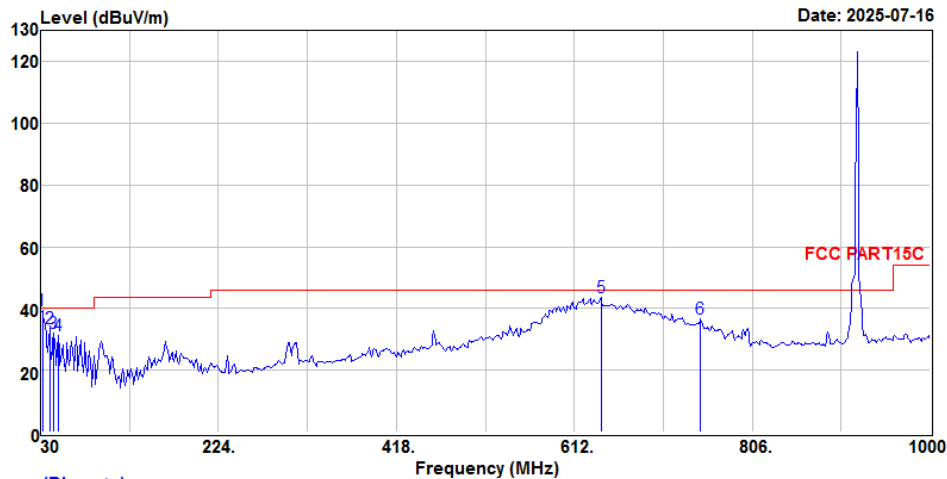
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T20 H51 P1012

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg		
1	63.950	29.11	50.95	-21.84	40.00	-10.89		---	---	HORIZONTAL	Peak
2	68.800	30.26	53.07	-22.81	40.00	-9.74		---	---	HORIZONTAL	Peak
3	73.650	31.05	55.17	-24.12	40.00	-8.95		---	---	HORIZONTAL	Peak
4	78.500	30.43	55.78	-25.35	40.00	-9.57		---	---	HORIZONTAL	Peak
5	95.960	37.38	63.12	-25.74	43.50	-6.12		---	---	HORIZONTAL	Peak
6	301.600	35.01	54.47	-19.46	46.00	-10.99		---	---	HORIZONTAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	51%



Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T20 H51 P1012

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	31.940	39.39	61.91	-22.52	40.00	-0.61	---	---	VERTICAL Peak
2	39.700	33.42	54.82	-21.40	40.00	-6.58	---	---	VERTICAL Peak
3	44.550	31.91	52.89	-20.98	40.00	-8.09	---	---	VERTICAL Peak
4	49.400	31.28	51.89	-20.61	40.00	-8.72	---	---	VERTICAL Peak
5	641.100	43.62	55.13	-11.51	46.00	-2.38	---	---	VERTICAL Peak
6	749.740	36.80	46.37	-9.57	46.00	-9.20	---	---	VERTICAL Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 924.1MHz Internal Ant		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	51%

Level (dBUV/m)

Date: 2025-07-16

FCC PART15C

Frequency (MHz)

Trace: (Discrete)

Site : TR11 9*6*6 chamber

Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL

Power :

Operator : Volvo T20 H51 P1012

	Freq	Level	Read	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBUV/m	dBUV	dB/m	dBUV/m	dB	cm	deg		
1	63.950	29.21	51.05	-21.84	40.00	-10.79	---	---	HORIZONTAL	Peak
2	68.800	30.56	53.37	-22.81	40.00	-9.44	---	---	HORIZONTAL	Peak
3	73.650	31.04	55.16	-24.12	40.00	-8.96	---	---	HORIZONTAL	Peak
4	78.500	30.51	55.86	-25.35	40.00	-9.49	---	---	HORIZONTAL	Peak
5	95.960	38.11	63.85	-25.74	43.50	-5.39	---	---	HORIZONTAL	Peak
6	299.660	35.70	55.21	-19.51	46.00	-10.30	---	---	HORIZONTAL	Peak

Note:

1. Level (dBUV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 924.1MHz Internal Ant		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	20°C	Relative Humidity:	51%

Trace: (Discrete)

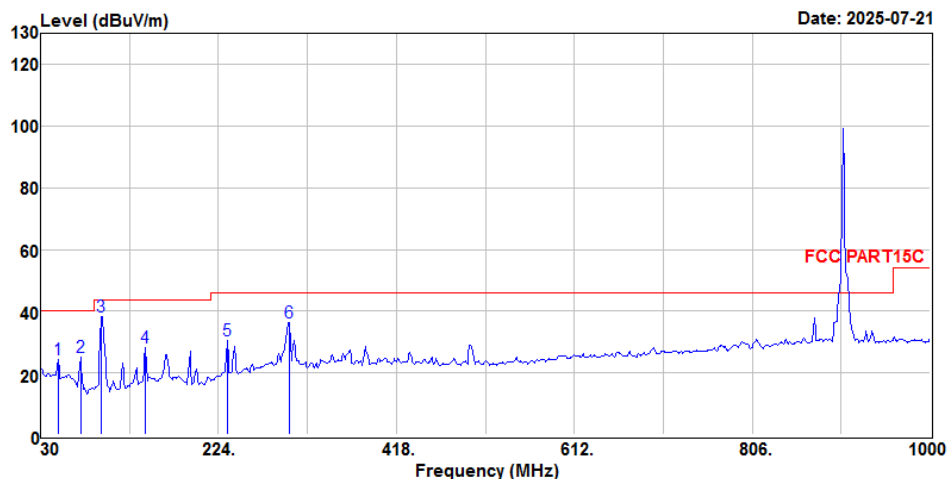
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T20 H51 P1012

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	31.940	38.61	61.13	-22.52	40.00	-1.39	---	---	VERTICAL Peak
2	39.700	34.08	55.48	-21.40	40.00	-5.92	---	---	VERTICAL Peak
3	44.550	32.26	53.24	-20.98	40.00	-7.74	---	---	VERTICAL Peak
4	49.400	31.75	52.36	-20.61	40.00	-8.25	---	---	VERTICAL Peak
5	621.700	42.80	54.54	-11.74	46.00	-3.20	---	---	VERTICAL Peak
6	649.830	41.68	53.10	-11.42	46.00	-4.32	---	---	VERTICAL Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%



Trace: (Discrete)

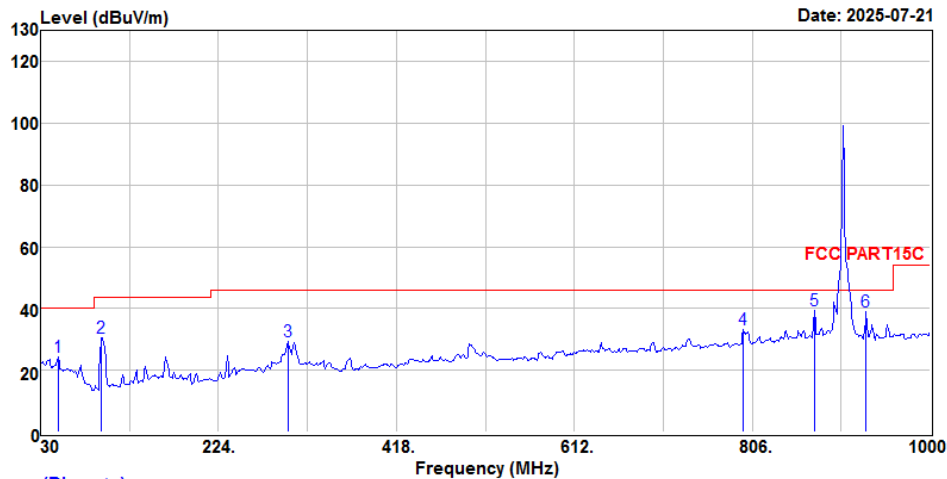
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T23 H51 P1015

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg		
1	49.400	24.51	45.12	-20.61	40.00	-15.49	---	---	---	HORIZONTAL	Peak
2	73.650	25.00	49.12	-24.12	40.00	-15.00	---	---	---	HORIZONTAL	Peak
3	95.960	38.22	63.96	-25.74	43.50	-5.28	---	---	---	HORIZONTAL	Peak
4	144.460	28.03	48.49	-20.46	43.50	-15.47	---	---	---	HORIZONTAL	Peak
5	233.700	30.40	52.49	-22.09	46.00	-15.60	---	---	---	HORIZONTAL	Peak
6	301.600	36.46	55.92	-19.46	46.00	-9.54	---	---	---	HORIZONTAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%



Trace: (Discrete)

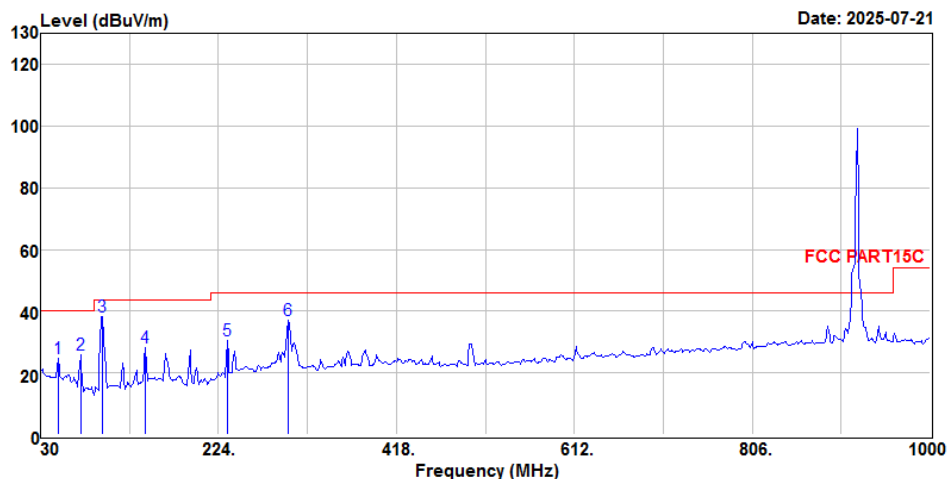
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T23 H51 P1015

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg		
1	49.400	24.49	45.10	-20.61	40.00	-15.51	---	---	---	VERTICAL	Peak
2	95.960	30.57	56.31	-25.74	43.50	-12.93	---	---	---	VERTICAL	Peak
3	299.660	29.20	48.71	-19.51	46.00	-16.80	---	---	---	VERTICAL	Peak
4	796.300	33.02	42.16	-9.14	46.00	-12.98	---	---	---	VERTICAL	Peak
5	873.900	39.29	47.69	-8.40	46.00	-6.71	---	---	---	VERTICAL	Peak
6	930.160	39.00	46.58	-7.58	46.00	-7.00	---	---	---	VERTICAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%



Trace: (Discrete)

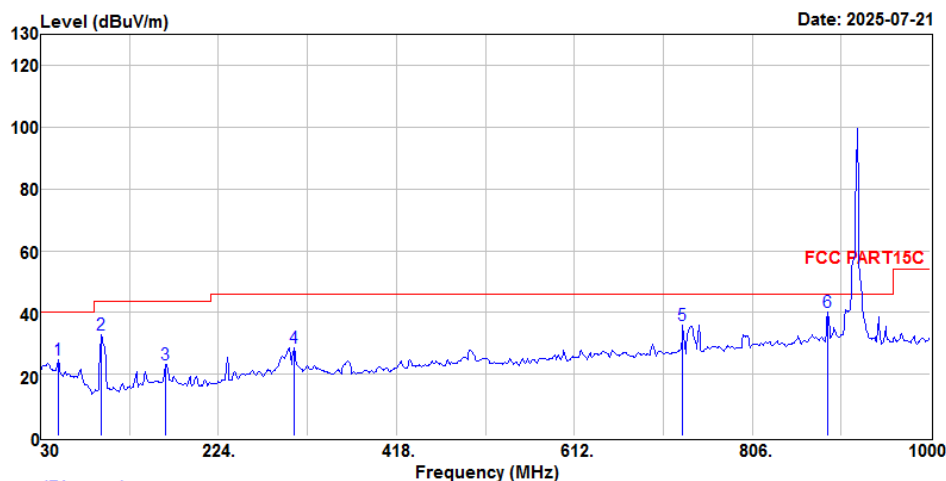
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T23 H51 P1015

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg		
1	49.400	24.67	45.28	-20.61	40.00	-15.33	---	---	---	HORIZONTAL	Peak
2	73.650	25.87	49.99	-24.12	40.00	-14.13	---	---	---	HORIZONTAL	Peak
3	96.930	38.22	63.74	-25.52	43.50	-5.28	---	---	---	HORIZONTAL	Peak
4	144.460	28.35	48.81	-20.46	43.50	-15.15	---	---	---	HORIZONTAL	Peak
5	233.700	30.67	52.76	-22.09	46.00	-15.33	---	---	---	HORIZONTAL	Peak
6	299.660	36.93	56.44	-19.51	46.00	-9.07	---	---	---	HORIZONTAL	Peak

Note:

1. Level (dBUV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%



Trace: (Discrete)

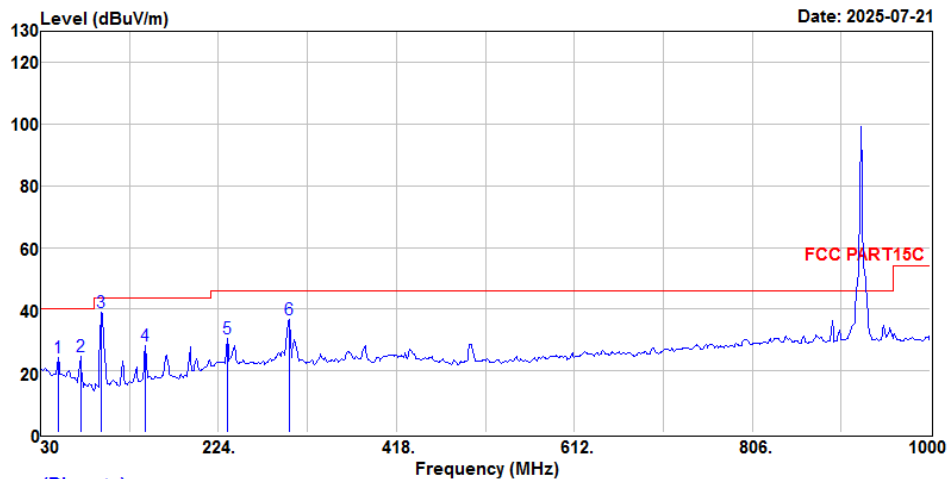
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T23 H51 P1015

	Freq	Level	Read	Level	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg		
1	49.400	24.59	45.20	-20.61	40.00	-15.41	---	---	---	VERTICAL	Peak
2	95.960	32.77	58.51	-25.74	43.50	-10.73	---	---	---	VERTICAL	Peak
3	165.800	23.15	43.41	-20.26	43.50	-20.35	---	---	---	VERTICAL	Peak
4	306.450	28.57	47.91	-19.34	46.00	-17.43	---	---	---	VERTICAL	Peak
5	730.340	36.02	45.93	-9.91	46.00	-9.98	---	---	---	VERTICAL	Peak
6	888.450	40.31	48.67	-8.36	46.00	-5.69	---	---	---	VERTICAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%



Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T23 H51 P1015

	Freq	Level	Read	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	49.400	24.29	44.90	-20.61	40.00	-15.71	---	---	HORIZONTAL	Peak
2	73.650	24.53	48.65	-24.12	40.00	-15.47	---	---	HORIZONTAL	Peak
3	95.960	39.03	64.77	-25.74	43.50	-4.47	---	---	HORIZONTAL	Peak
4	144.460	28.36	48.82	-20.46	43.50	-15.14	---	---	HORIZONTAL	Peak
5	233.700	30.47	52.56	-22.09	46.00	-15.53	---	---	HORIZONTAL	Peak
6	301.600	36.78	56.24	-19.46	46.00	-9.22	---	---	HORIZONTAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	23°C	Relative Humidity:	51%

Level (dBuV/m) Date: 2025-07-21

Frequency (MHz)

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T23 H51 P1015

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	49.400	24.17	44.78	-20.61	40.00	-15.83	---	---	VERTICAL Peak
2	95.960	31.24	56.98	-25.74	43.50	-12.26	---	---	VERTICAL Peak
3	167.740	23.76	44.11	-20.35	43.50	-19.74	---	---	VERTICAL Peak
4	306.450	29.61	48.95	-19.34	46.00	-16.39	---	---	VERTICAL Peak
5	796.300	35.08	44.22	-9.14	46.00	-10.92	---	---	VERTICAL Peak
6	893.300	39.47	47.75	-8.28	46.00	-6.53	---	---	VERTICAL Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%

Level (dBuV/m) Date: 2025-12-18

Trace: (Discrete)

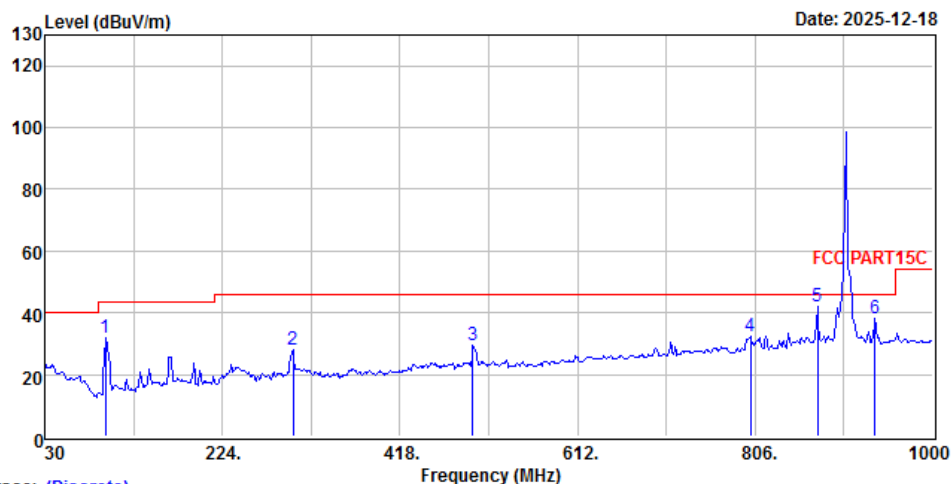
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase
			dBuV	dB/m	dBuV/m	dB	cm	deg
1	95.960	31.17	57.05	-25.88	43.50	-12.33	---	---
2	144.460	29.94	50.46	-20.52	43.50	-13.56	---	---
3	192.960	32.15	54.84	-22.69	43.50	-11.35	---	---
4	301.600	34.14	53.77	-19.63	46.00	-11.86	---	---
5	873.900	40.49	48.99	-8.50	46.00	-5.51	---	---
6	936.950	36.71	44.32	-7.61	46.00	-9.29	---	---

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%



Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	95.960	31.94	57.82	-25.88	43.50	-11.56	---	---	VERTICAL	Peak
2	301.600	28.02	47.65	-19.63	46.00	-17.98	---	---	VERTICAL	Peak
3	497.540	29.63	44.47	-14.84	46.00	-16.37	---	---	VERTICAL	Peak
4	801.150	32.57	41.82	-9.25	46.00	-13.43	---	---	VERTICAL	Peak
5	873.900	41.99	50.49	-8.50	46.00	-4.01	---	---	VERTICAL	Peak
6	936.950	38.31	45.92	-7.61	46.00	-7.69	---	---	VERTICAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%

Level (dBuV/m) Date: 2025-12-18

Trace: (Discrete)

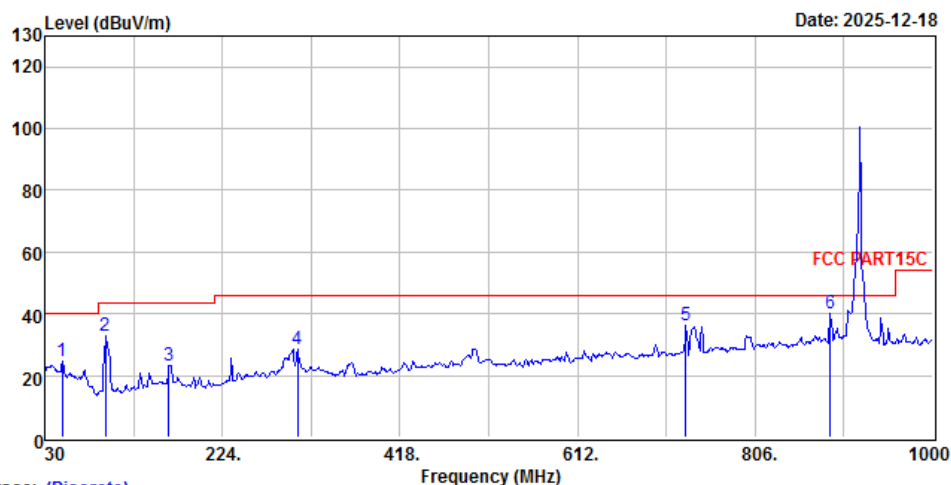
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	73.650	25.87	50.06	-24.19	40.00	-14.13	---	---	HORIZONTAL Peak
2	96.930	31.22	56.88	-25.66	43.50	-12.28	---	---	HORIZONTAL Peak
3	144.460	28.35	48.87	-20.52	43.50	-15.15	---	---	HORIZONTAL Peak
4	299.660	36.93	56.61	-19.68	46.00	-9.07	---	---	HORIZONTAL Peak
5	888.450	35.09	43.57	-8.48	46.00	-10.91	---	---	HORIZONTAL Peak
6	943.740	35.20	42.71	-7.51	46.00	-10.80	---	---	HORIZONTAL Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%



Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	Level	Line	Limit				
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	49.400	24.59	45.20	-20.61	40.00	-15.41	---	---	VERTICAL Peak
2	95.960	32.77	58.51	-25.74	43.50	-10.73	---	---	VERTICAL Peak
3	165.800	23.15	43.41	-20.26	43.50	-20.35	---	---	VERTICAL Peak
4	306.450	28.57	47.91	-19.34	46.00	-17.43	---	---	VERTICAL Peak
5	730.340	36.02	45.93	-9.91	46.00	-9.98	---	---	VERTICAL Peak
6	888.450	40.31	48.67	-8.36	46.00	-5.69	---	---	VERTICAL Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 924.1MHz Internal Ant		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%

Level (dBuV/m) Date: 2025-12-18

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	95.960	31.87	57.75	-25.88	43.50	-11.63	---	---	HORIZONTAL	Peak
2	144.460	30.21	50.73	-20.52	43.50	-13.29	---	---	HORIZONTAL	Peak
3	192.960	33.07	55.76	-22.69	43.50	-10.43	---	---	HORIZONTAL	Peak
4	299.660	33.59	53.27	-19.68	46.00	-12.41	---	---	HORIZONTAL	Peak
5	893.300	37.04	45.45	-8.41	46.00	-8.96	---	---	HORIZONTAL	Peak
6	956.350	35.15	42.35	-7.20	46.00	-10.85	---	---	HORIZONTAL	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 924.1MHz Internal Ant		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%

Level (dBuV/m) Date: 2025-12-18

Trace: (Discrete)

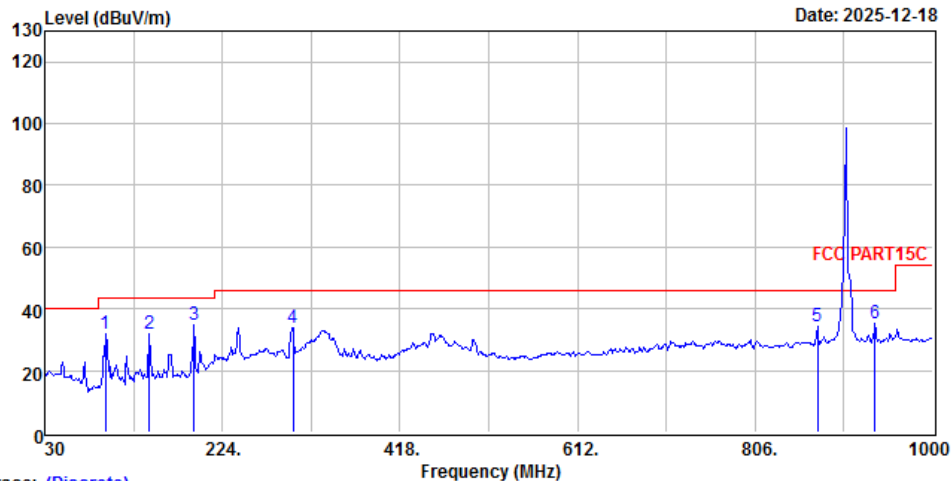
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Factor	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	95.960	31.13	57.01	-25.88	43.50	-12.37	---	---	VERTICAL	Peak
2	497.540	30.18	45.02	-14.84	46.00	-15.82	---	---	VERTICAL	Peak
3	740.040	31.88	41.68	-9.80	46.00	-14.12	---	---	VERTICAL	Peak
4	798.240	37.65	46.88	-9.23	46.00	-8.35	---	---	VERTICAL	Peak
5	893.300	38.95	47.36	-8.41	46.00	-7.05	---	---	VERTICAL	Peak
6	956.350	37.20	44.40	-7.20	46.00	-8.80	---	---	VERTICAL	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%



Trace: (Discrete)

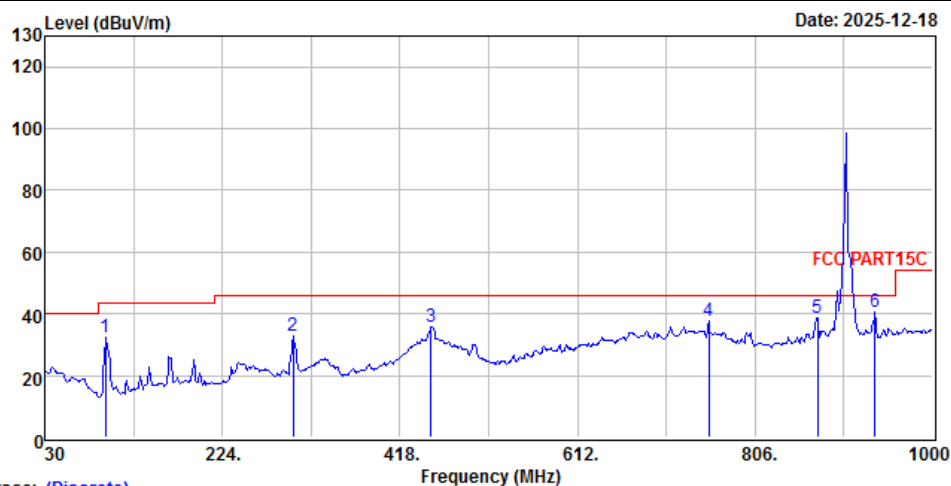
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T21 H53 P1011

	Read	Limit	Over	A/Pos	T/Pos			
Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark	
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	95.960	31.92	57.80	-25.88	43.50	-11.58	---	HORIZONTAL Peak
2	144.460	32.11	52.63	-20.52	43.50	-11.39	---	HORIZONTAL Peak
3	192.960	34.91	57.60	-22.69	43.50	-8.59	---	HORIZONTAL Peak
4	301.600	34.03	53.66	-19.63	46.00	-11.97	---	HORIZONTAL Peak
5	873.900	34.32	42.82	-8.50	46.00	-11.68	---	HORIZONTAL Peak
6	936.950	35.39	43.00	-7.61	46.00	-10.61	---	HORIZONTAL Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%



Trace: (Discrete)

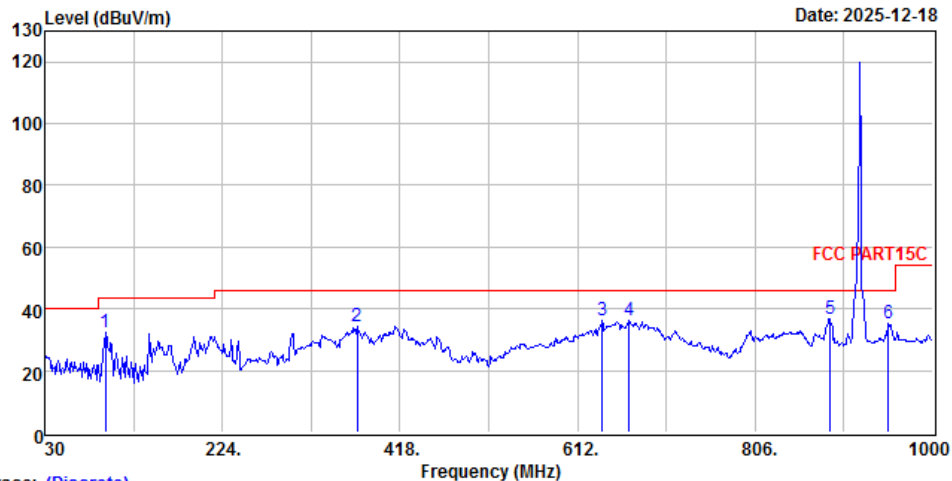
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T21 H53 P1011

Operator	F010 121 H55 F1011						A/Pos	T/Pos	Pol/Phase	Remark
		Read	Limit	Over						
	Freq	Level	Level	Factor	Line	Limit				
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	95.960	32.14	58.02	-25.88	43.50	-11.36	---	---	VERTICAL	Peak
2	301.600	32.64	52.27	-19.63	46.00	-13.36	---	---	VERTICAL	Peak
3	451.950	35.93	51.51	-15.58	46.00	-10.07	---	---	VERTICAL	Peak
4	755.560	37.88	47.43	-9.55	46.00	-8.12	---	---	VERTICAL	Peak
5	873.900	38.80	47.30	-8.50	46.00	-7.20	---	---	VERTICAL	Peak
6	936.950	40.67	48.28	-7.61	46.00	-5.33	---	---	VERTICAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%



Trace: (Discrete)

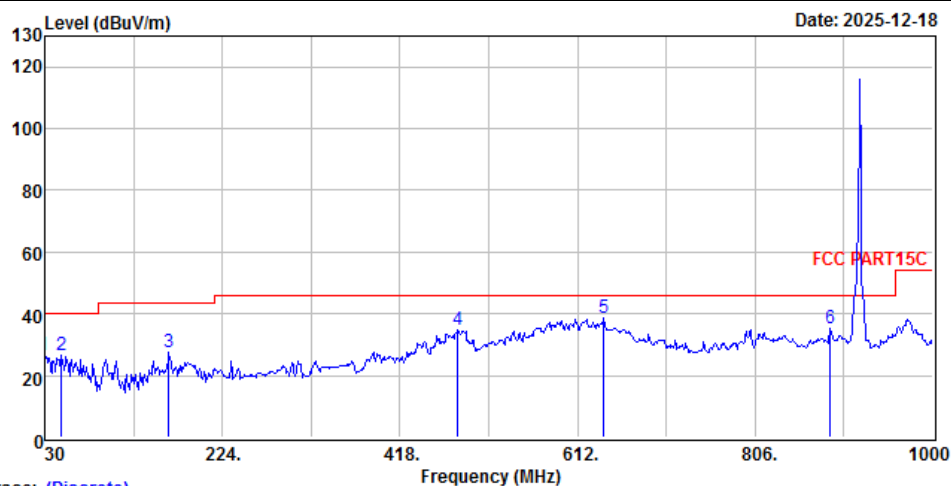
Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	95.960	32.38	58.26	-25.88	43.50	-11.12	---	---	HORIZONTAL	Peak
2	371.440	34.42	52.27	-17.85	46.00	-11.58	---	---	HORIZONTAL	Peak
3	639.160	36.20	47.84	-11.64	46.00	-9.80	---	---	HORIZONTAL	Peak
4	668.260	36.30	47.63	-11.33	46.00	-9.70	---	---	HORIZONTAL	Peak
5	888.450	36.90	45.38	-8.48	46.00	-9.10	---	---	HORIZONTAL	Peak
6	951.500	35.29	42.61	-7.32	46.00	-10.71	---	---	HORIZONTAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%



Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	30.000	26.48	49.58	-23.10	40.00	-13.52	---	---	VERTICAL Peak
2	48.430	26.46	47.06	-20.60	40.00	-13.54	---	---	VERTICAL Peak
3	165.800	27.31	47.62	-20.31	43.50	-16.19	---	---	VERTICAL Peak
4	481.050	34.76	49.92	-15.16	46.00	-11.24	---	---	VERTICAL Peak
5	641.100	38.62	50.22	-11.60	46.00	-7.38	---	---	VERTICAL Peak
6	888.450	35.27	43.75	-8.48	46.00	-10.73	---	---	VERTICAL Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Horizontal	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%

Level (dBuV/m) Date: 2025-12-18

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 HORIZONTAL
Power :
Operator : Volvo T21 H53 P1011

	Freq	Level	Read	Limit	Over	A/Pos	T/Pos		
	MHz	dBuV/m	Level	Factor	Line	Limit		Pol/Phase	Remark
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	95.960	30.83	56.71	-25.88	43.50	-12.67	---	---	HORIZONTAL Peak
2	144.460	32.24	52.76	-20.52	43.50	-11.26	---	---	HORIZONTAL Peak
3	192.960	34.53	57.22	-22.69	43.50	-8.97	---	---	HORIZONTAL Peak
4	241.460	34.19	55.86	-21.67	46.00	-11.81	---	---	HORIZONTAL Peak
5	301.600	34.22	53.85	-19.63	46.00	-11.78	---	---	HORIZONTAL Peak
6	332.640	32.28	50.95	-18.67	46.00	-13.72	---	---	HORIZONTAL Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	30 MHz ~ 1 GHz		
Polarization:	Vertical	Tester:	Volvo
Ambient Temp.:	21°C	Relative Humidity:	53%

Trace: (Discrete)

Site : TR11 9*6*6 chamber
Condition : FCC PART15C 3m VULB_9168-668 VERTICAL
Power :
Operator : Volvo T21 H53 P1011

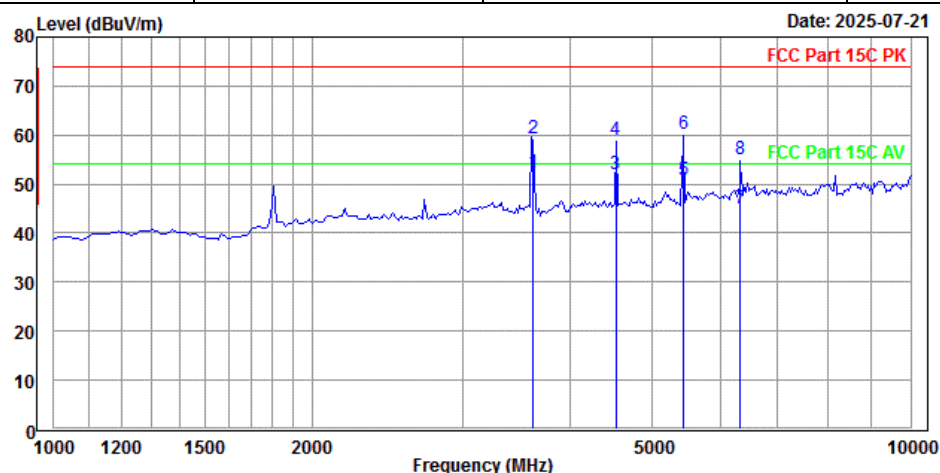
	Freq	Level	Read	Limit	Over	A/Pos	T/Pos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	95.960	31.68	57.56	-25.88	43.50	-11.82	---	---	VERTICAL Peak
2	350.100	31.65	50.20	-18.55	46.00	-14.35	---	---	VERTICAL Peak
3	461.650	33.54	48.95	-15.41	46.00	-12.46	---	---	VERTICAL Peak
4	733.250	35.61	45.57	-9.96	46.00	-10.39	---	---	VERTICAL Peak
5	893.300	41.49	49.90	-8.41	46.00	-4.51	---	---	VERTICAL Peak
6	956.350	41.56	48.76	-7.20	46.00	-4.44	---	---	VERTICAL Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- QP. is abbreviation of Quasi-Peak

Radiated Emission Measurement above 1000MHz

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Horizontal	Tester:	Carl
Ambient Temp.:	22°C	Relative Humidity:	57%



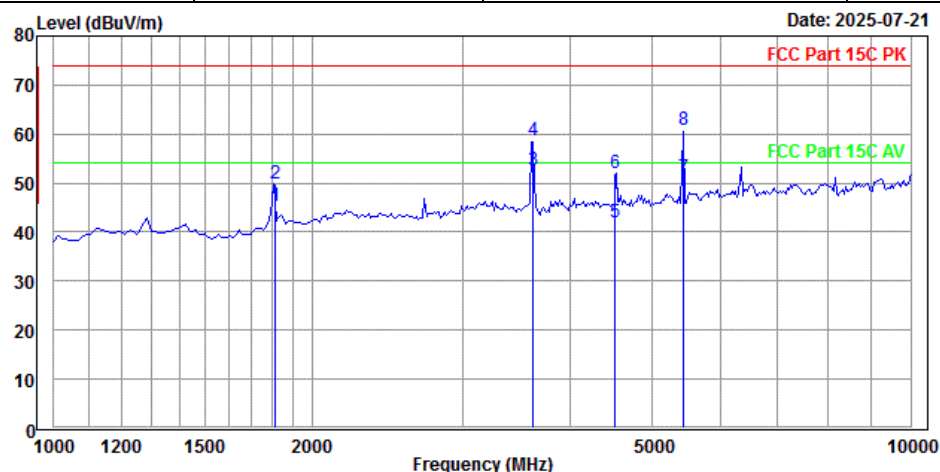
Condition : FCC Part 15C PK 3m EMCO_3117_82847 HORIZONTAL
 POWER :
 OPERATOR : CARL, T:22, H:57, P:1007
 EUT&MODEL : LORA WAN

1	3621.570	52.20	65.43	-13.23	54.00	-1.80	321	336	HORIZONTAL	Average
2	3621.570	59.21	72.44	-13.23	74.00	-14.79	320	337	HORIZONTAL	Peak
3	4525.760	51.91	65.33	-13.42	54.00	-2.09	399	286	HORIZONTAL	Average
4	4525.760	59.07	72.49	-13.42	74.00	-14.93	400	285	HORIZONTAL	Peak
5	5428.860	50.72	64.23	-13.51	54.00	-3.28	399	344	HORIZONTAL	Average
6	5428.860	60.08	73.59	-13.51	74.00	-13.92	400	343	HORIZONTAL	Peak
7	6333.600	45.11	57.01	-11.90	54.00	-8.89	384	2	HORIZONTAL	Average
8	6333.600	55.00	66.90	-11.90	74.00	-19.00	383	0	HORIZONTAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Vertical	Tester:	Carl
Ambient Temp.:	22°C	Relative Humidity:	57%



Condition : FCC Part 15C PK 3m EMCO_3117_82847 VERTICAL

POWER :

OPERATOR : CARL, T:22, H:57, P:1007

EUT&MODEL : LORA WAN

1	1809.500	45.32	62.23	-16.91	54.00	-8.68	266	244	VERTICAL	Average
2	1809.500	49.88	66.79	-16.91	74.00	-24.12	267	242	VERTICAL	Peak
3	3619.160	52.67	65.85	-13.18	54.00	-1.33	399	295	VERTICAL	Average
4	3619.160	58.68	71.86	-13.18	74.00	-15.32	400	294	VERTICAL	Peak
5	4525.020	42.04	55.46	-13.42	54.00	-11.96	273	306	VERTICAL	Average
6	4525.020	51.94	65.36	-13.42	74.00	-22.06	271	308	VERTICAL	Peak
7	5428.560	51.17	64.68	-13.51	54.00	-2.83	370	261	VERTICAL	Average
8	5428.560	60.84	74.35	-13.51	74.00	-13.16	369	260	VERTICAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Horizontal	Tester:	Carl
Ambient Temp.:	22°C	Relative Humidity:	57%

Level (dBuV/m)

Date: 2025-07-21

Frequency (MHz)

Condition : FCC Part 15C PK 3m EMCO_3117_82847 HORIZONTAL
POWER :
OPERATOR : CARL,T:22,H:57,P:1007
EUT&MODEL : LORA WAN

1	1837.860	42.20	58.63	-16.43	54.00	-11.80	400	331	HORIZONTAL	Average
2	1837.860	48.81	65.24	-16.43	74.00	-25.19	398	330	HORIZONTAL	Peak
3	3675.840	51.45	65.24	-13.79	54.00	-2.55	373	144	HORIZONTAL	Average
4	3675.840	58.11	71.90	-13.79	74.00	-15.89	371	143	HORIZONTAL	Peak
5	4595.360	53.73	67.10	-13.37	54.00	-0.27	386	293	HORIZONTAL	Average
6	4595.360	60.57	73.94	-13.37	74.00	-13.43	385	292	HORIZONTAL	Peak
7	5512.960	50.45	63.90	-13.45	54.00	-3.55	350	329	HORIZONTAL	Average
8	5512.960	59.49	72.94	-13.45	74.00	-14.51	350	329	HORIZONTAL	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Vertical	Tester:	Carl
Ambient Temp.:	22°C	Relative Humidity:	57%

Level (dBuV/m)

Date: 2025-07-21

Frequency (MHz)

Condition : FCC Part 15C PK 3m EMCO_3117_82847 VERTICAL

POWER :

OPERATOR : CARL,T:22,H:57,P:1007

EUT&MODEL : LORA WAN

1	3682.770	45.77	59.57	-13.80	54.00	-8.23	281	355	VERTICAL	Average
2	3682.770	54.47	68.27	-13.80	74.00	-19.53	282	354	VERTICAL	Peak
3	4600.730	46.99	60.36	-13.37	54.00	-7.01	346	305	VERTICAL	Average
4	4600.730	54.86	68.23	-13.37	74.00	-19.14	347	306	VERTICAL	Peak
5	5515.200	49.47	62.92	-13.45	54.00	-4.53	297	307	VERTICAL	Average
6	5515.200	59.72	73.17	-13.45	74.00	-14.28	296	306	VERTICAL	Peak
7	6436.620	45.17	56.83	-11.66	54.00	-8.83	215	271	VERTICAL	Average
8	6436.620	54.00	65.66	-11.66	74.00	-20.00	216	270	VERTICAL	Peak

Note:

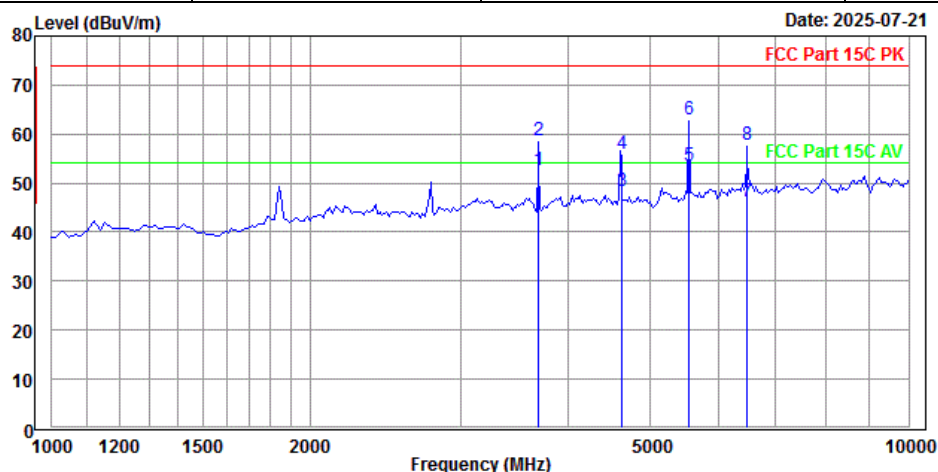
- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- The peak level meets average limit, so average value doesn't need be recorded.

Condition : FCC Part 15C PK 3m EMCO_3117_82847 HORIZONTAL
 POWER :
 OPERATOR : CARL,T:22,H:57,P:1007
 EUT&MODEL : LORA WAN

Line	Freq (MHz)	Level (dBuV/m)	Other Data
1	3696.040	53.10	66.92 -13.82 54.00 -0.90 364 273 HORIZONTAL Average
2	3696.040	59.09	72.91 -13.82 74.00 -14.91 363 272 HORIZONTAL Peak
3	4620.720	49.03	62.41 -13.38 54.00 -4.97 353 201 HORIZONTAL Average
4	4620.720	57.49	70.87 -13.38 74.00 -16.51 352 200 HORIZONTAL Peak
5	5546.080	50.61	64.06 -13.45 54.00 -3.39 315 96 HORIZONTAL Average
6	5546.080	59.16	72.61 -13.45 74.00 -14.84 316 95 HORIZONTAL Peak
7	6468.200	44.00	55.62 -11.62 54.00 -10.00 377 239 HORIZONTAL Average
8	6468.200	55.07	66.69 -11.62 74.00 -18.93 375 238 HORIZONTAL Peak

1. $\text{Level (dBuV/m)} = \text{Read level} + \text{Factor}.$
2. $\text{Factor (dB/m)} = \text{Cable Loss} + \text{Antenna Factor} - \text{Gain of Preamplifier}.$
3. $\text{Over Limit (dB)} = \text{Level} - \text{Limit line}$
4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 924.1 MHz Internal Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Vertical	Tester:	Carl
Ambient Temp.:	22°C	Relative Humidity:	57%



Condition : FCC Part 15C PK 3m EMCO_3117_82847 VERTICAL

POWER :

OPERATOR : CARL,T:22,H:57,P:1007

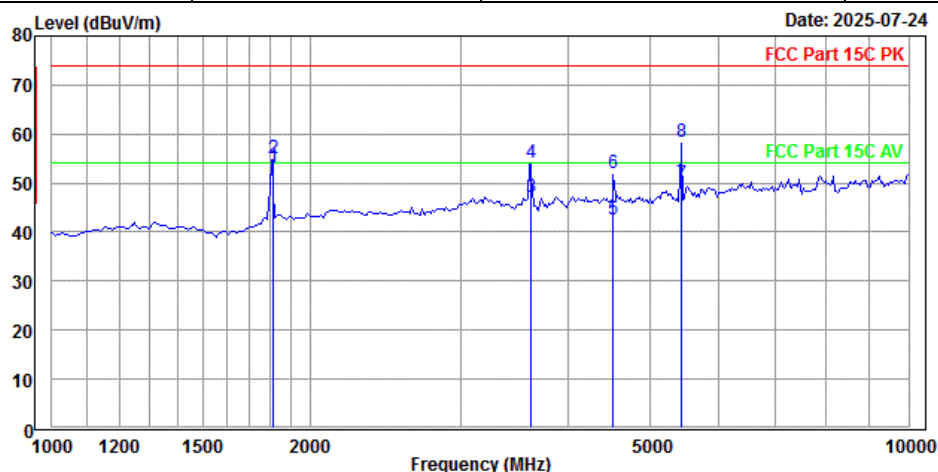
EUT&MODEL : LORA WAN

1	3696.300	52.63	66.45	-13.82	54.00	-1.37	397	61	VERTICAL	Average
2	3696.300	58.70	72.52	-13.82	74.00	-15.30	396	60	VERTICAL	Peak
3	4621.900	48.51	61.89	-13.38	54.00	-5.49	399	65	VERTICAL	Average
4	4621.900	56.02	69.40	-13.38	74.00	-17.98	398	64	VERTICAL	Peak
5	5544.000	53.57	67.02	-13.45	54.00	-0.43	366	253	VERTICAL	Average
6	5544.000	63.11	76.56	-13.45	74.00	-10.89	367	254	VERTICAL	Peak
7	6470.480	46.21	57.83	-11.62	54.00	-7.79	396	111	VERTICAL	Average
8	6470.480	57.87	69.49	-11.62	74.00	-16.13	395	112	VERTICAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Horizontal	Tester:	Carl
Ambient Temp.:	22°C	Relative Humidity:	57%



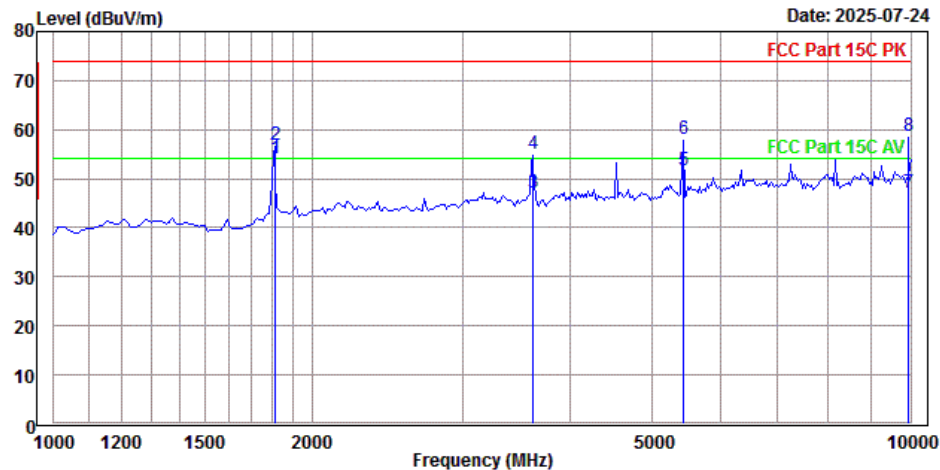
Condition : FCC Part 15C PK 3m EMCO_3117_82847 HORIZONTAL
POWER :
OPERATOR : CARL,T:22,H:57,P:1007
EUT&MODEL : LORA WAN

1	1810.000	53.24	70.15	-16.91	54.00	-0.76	399	33	HORIZONTAL	Average
2	1810.000	55.16	72.07	-16.91	74.00	-18.84	400	34	HORIZONTAL	Peak
3	3619.900	47.22	60.42	-13.20	54.00	-6.78	399	341	HORIZONTAL	Average
4	3619.900	54.18	67.38	-13.20	74.00	-19.82	400	340	HORIZONTAL	Peak
5	4524.600	42.46	55.88	-13.42	54.00	-11.54	399	85	HORIZONTAL	Average
6	4524.600	52.05	65.47	-13.42	74.00	-21.95	400	84	HORIZONTAL	Peak
7	5428.720	49.81	63.32	-13.51	54.00	-4.19	332	199	HORIZONTAL	Average
8	5428.720	58.28	71.79	-13.51	74.00	-15.72	331	197	HORIZONTAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Vertical	Tester:	Carl
Ambient Temp.:	22°C	Relative Humidity:	57%



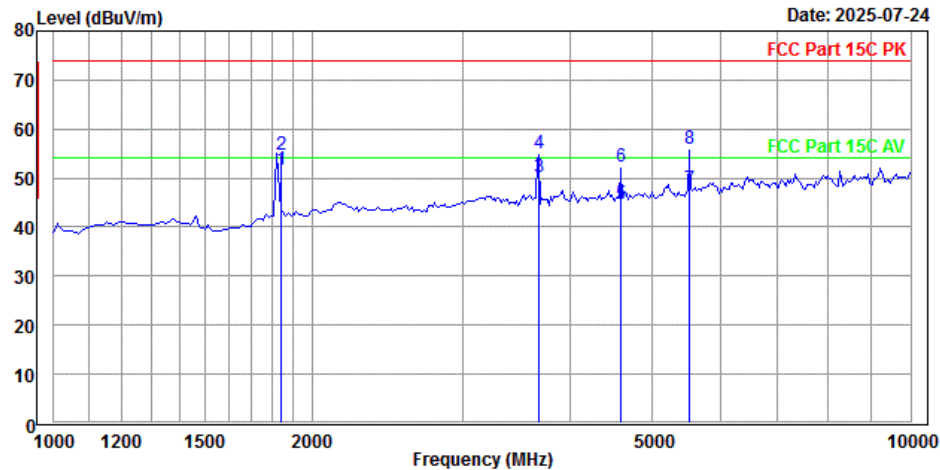
Condition : FCC Part 15C PK 3m EMCO_3117_82847 VERTICAL
POWER :
OPERATOR : CARL,T:22,H:57,P:1007
EUT&MODEL : LORA WAN

	Freq	Level	Read	Limit	Over	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	Level	Line	Limit				
			Factor						
			dB/m	dBuV/m	dB	cm	deg		
1	1810.060	53.43	70.34	-16.91	54.00	-0.57	399	291 VERTICAL	Average
2	1810.060	56.81	73.72	-16.91	74.00	-17.19	400	290 VERTICAL	Peak
3	3619.860	47.15	60.35	-13.20	54.00	-6.85	321	45 VERTICAL	Average
4	3619.860	55.11	68.31	-13.20	74.00	-18.89	322	44 VERTICAL	Peak
5	5429.300	51.57	65.08	-13.51	54.00	-2.43	372	291 VERTICAL	Average
6	5429.300	58.23	71.74	-13.51	74.00	-15.77	371	290 VERTICAL	Peak
7	9954.400	47.16	55.14	-7.98	54.00	-6.84	278	12 VERTICAL	Average
8	9954.400	58.86	66.84	-7.98	74.00	-15.14	277	11 VERTICAL	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Horizontal	Tester:	Carl
Ambient Temp.:	22°C	Relative Humidity:	57%



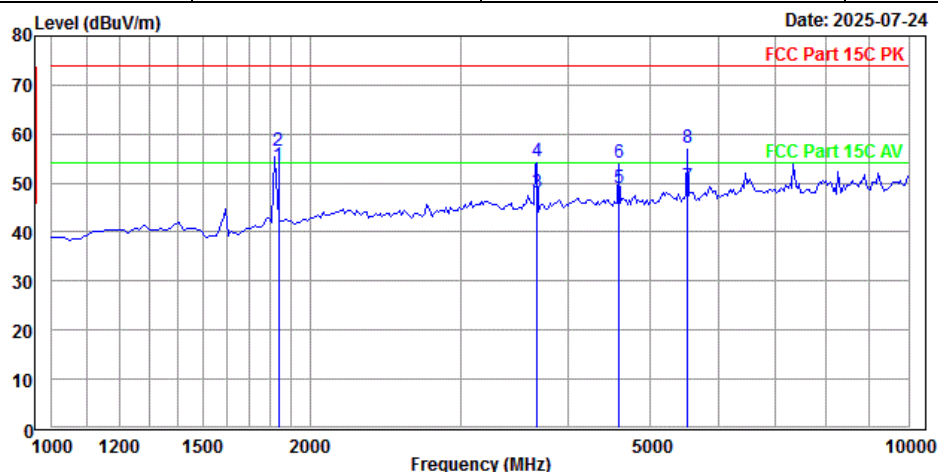
Condition : FCC Part 15C PK 3m EMCO_3117_82847 HORIZONTAL
POWER :
OPERATOR : CARL,T:22,H:57,P:1007
EUT&MODEL : LORA WAN

1	1838.360	51.58	68.01	-16.43	54.00	-2.42	115	88	HORIZONTAL	Average
2	1838.360	54.81	71.24	-16.43	74.00	-19.19	114	87	HORIZONTAL	Peak
3	3676.380	50.13	63.92	-13.79	54.00	-3.87	288	303	HORIZONTAL	Average
4	3676.380	55.07	68.86	-13.79	74.00	-18.93	287	304	HORIZONTAL	Peak
5	4593.700	44.59	57.96	-13.37	54.00	-9.41	300	294	HORIZONTAL	Average
6	4593.700	52.22	65.59	-13.37	74.00	-21.78	301	293	HORIZONTAL	Peak
7	5514.500	47.61	61.06	-13.45	54.00	-6.39	306	213	HORIZONTAL	Average
8	5514.500	55.98	69.43	-13.45	74.00	-18.02	308	212	HORIZONTAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Vertical	Tester:	Carl
Ambient Temp.:	22°C	Relative Humidity:	57%



Condition : FCC Part 15C PK 3m EMCO_3117_82847 VERTICAL

POWER :

OPERATOR : CARL,T:22,H:57,P:1007

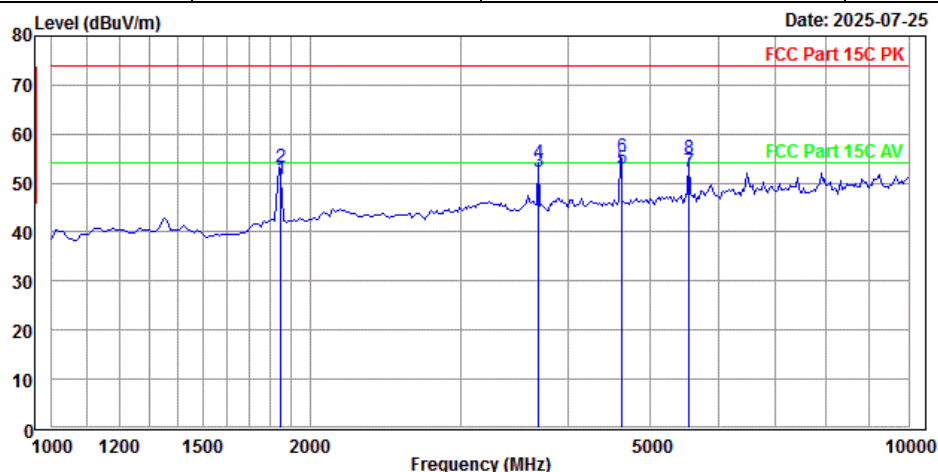
EUT&MODEL : LORA WAN

1	1838.120	53.66	70.09	-16.43	54.00	-0.34	174	155	VERTICAL	Average
2	1838.120	56.64	73.07	-16.43	74.00	-17.36	173	157	VERTICAL	Peak
3	3676.900	48.08	61.87	-13.79	54.00	-5.92	244	285	VERTICAL	Average
4	3676.900	54.32	68.11	-13.79	74.00	-19.68	246	284	VERTICAL	Peak
5	4595.940	48.89	62.26	-13.37	54.00	-5.11	266	305	VERTICAL	Average
6	4595.940	54.17	67.54	-13.37	74.00	-19.83	268	307	VERTICAL	Peak
7	5512.840	49.28	62.73	-13.45	54.00	-4.72	191	293	VERTICAL	Average
8	5512.840	57.13	70.58	-13.45	74.00	-16.87	192	292	VERTICAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Horizontal	Tester:	Carl
Ambient Temp.:	22°C	Relative Humidity:	57%



Condition : FCC Part 15C PK 3m EMCO_3117_82847 HORIZONTAL

POWER :

OPERATOR : CARL,T:22,H:57,P:1007

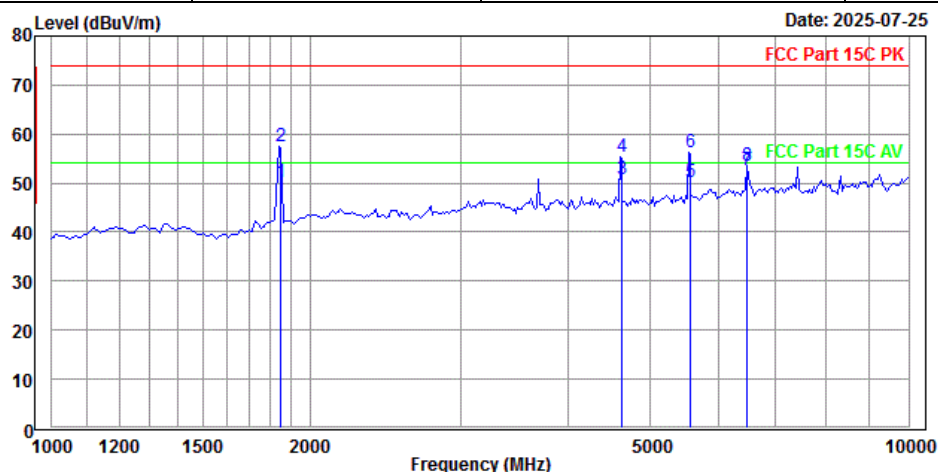
EUT&MODEL : LORA WAN

1	1846.000	50.82	67.23	-16.41	54.00	-3.18	400	111	HORIZONTAL	Average
2	1846.000	53.15	69.56	-16.41	74.00	-20.85	400	111	HORIZONTAL	Peak
3	3700.000	52.35	66.18	-13.83	54.00	-1.65	400	111	HORIZONTAL	Average
4	3700.000	54.16	67.99	-13.83	74.00	-19.84	400	111	HORIZONTAL	Peak
5	4618.000	52.97	66.35	-13.38	54.00	-1.03	400	111	HORIZONTAL	Average
6	4618.000	55.37	68.75	-13.38	74.00	-18.63	400	111	HORIZONTAL	Peak
7	5536.000	52.23	65.68	-13.45	54.00	-1.77	400	111	HORIZONTAL	Average
8	5536.000	55.16	68.61	-13.45	74.00	-18.84	400	111	HORIZONTAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-LLCC68S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Vertical	Tester:	Carl
Ambient Temp.:	22°C	Relative Humidity:	57%



Condition : FCC Part 15C PK 3m EMCO_3117_82847 VERTICAL

POWER :

OPERATOR : CARL,T:22,H:57,P:1007

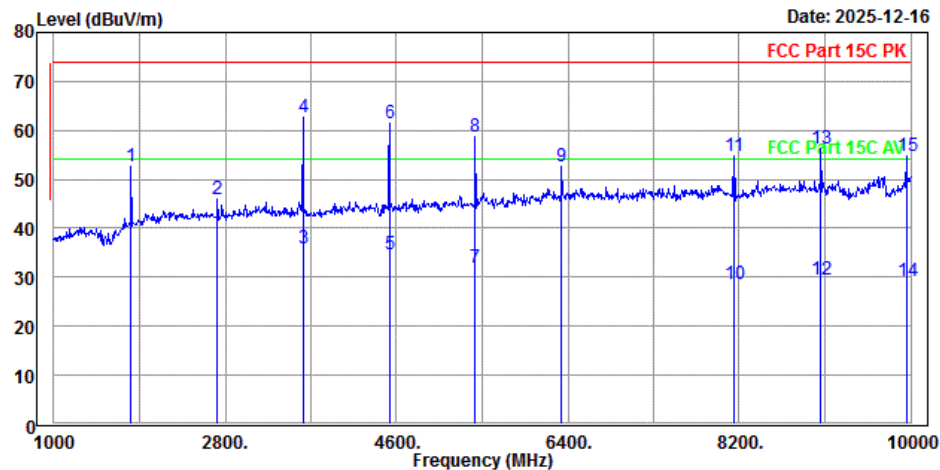
EUT&MODEL : LORA WAN

1	1846.000	50.08	66.49	-16.41	54.00	-3.92	100	246	VERTICAL	Average
2	1846.000	57.52	73.93	-16.41	74.00	-16.48	100	246	VERTICAL	Peak
3	4618.000	50.70	64.08	-13.38	54.00	-3.30	100	246	VERTICAL	Average
4	4618.000	55.35	68.73	-13.38	74.00	-18.65	100	246	VERTICAL	Peak
5	5554.000	50.11	63.56	-13.45	54.00	-3.89	100	246	VERTICAL	Average
6	5554.000	56.19	69.64	-13.45	74.00	-17.81	100	246	VERTICAL	Peak
7	6472.000	52.59	64.21	-11.62	54.00	-1.41	100	246	VERTICAL	Average
8	6472.000	53.61	65.23	-11.62	74.00	-20.39	100	246	VERTICAL	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Horizontal	Tester:	Carl
Ambient Temp.:	21°C	Relative Humidity:	62%



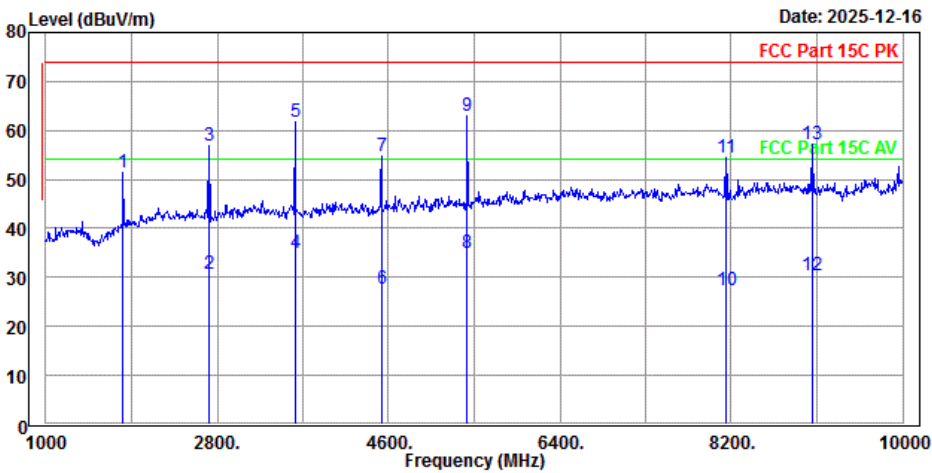
Condition : FCC Part 15C PK 3m EMCO_3117_82847 Horizontal
 POWER :
 OPERATOR : CARL, T:21, H:62, P:1001

	Freq	Level	Read	Limit	Over	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	1810.000	52.77	69.68	-16.91	74.00	-21.23	150	281	Horizontal Peak
2	2719.000	45.78	60.38	-14.60	74.00	-28.22	150	281	Horizontal Peak
3	3619.000	35.96	48.88	-12.92	54.00	-18.04	150	281	Horizontal Average
4	3619.000	62.57	75.49	-12.92	74.00	-11.43	150	281	Horizontal Peak
5	4528.000	34.77	47.94	-13.17	54.00	-19.23	150	281	Horizontal Average
6	4528.000	61.44	74.61	-13.17	74.00	-12.56	150	281	Horizontal Peak
7	5428.000	31.86	45.17	-13.31	54.00	-22.14	150	281	Horizontal Average
8	5428.000	58.69	72.00	-13.31	74.00	-15.31	150	281	Horizontal Peak
9	6337.000	52.75	64.45	-11.70	74.00	-21.25	150	281	Horizontal Peak
10	8146.000	28.46	37.94	-9.48	54.00	-25.54	150	281	Horizontal Average
11	8146.000	54.62	64.10	-9.48	74.00	-19.38	150	281	Horizontal Peak
12	9055.000	29.55	38.19	-8.64	54.00	-24.45	150	281	Horizontal Average
13	9055.000	56.26	64.90	-8.64	74.00	-17.74	150	281	Horizontal Peak
14	9955.000	29.06	36.65	-7.59	54.00	-24.94	150	281	Horizontal Average
15	9955.000	54.81	62.40	-7.59	74.00	-19.19	150	281	Horizontal Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 905 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Vertical	Tester:	Carl
Ambient Temp.:	21℃	Relative Humidity:	62%

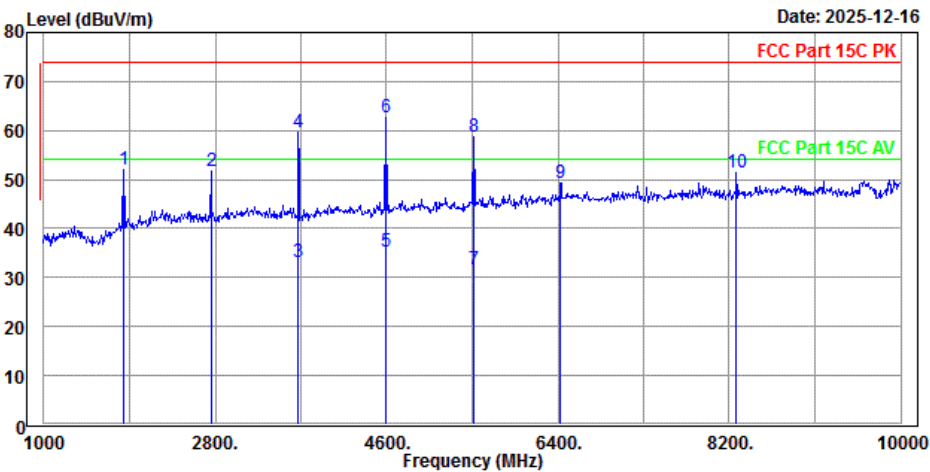


Condition : FCC Part 15C PK 3m EMCO_3117_82847 VERTICAL
POWER :
OPERATOR : CARL,T:21,H:62,P:1001

	Freq	Level	Read	Limit	Over	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	1810.000	51.32	68.23	-16.91	74.00	-22.68	150	81 VERTICAL	Peak
2	2719.000	30.77	45.37	-14.60	54.00	-23.23	150	81 VERTICAL	Average
3	2719.000	56.83	71.43	-14.60	74.00	-17.17	150	81 VERTICAL	Peak
4	3619.000	34.97	47.89	-12.92	54.00	-19.03	150	81 VERTICAL	Average
5	3619.000	61.67	74.59	-12.92	74.00	-12.33	150	81 VERTICAL	Peak
6	4528.000	27.63	40.80	-13.17	54.00	-26.37	150	81 VERTICAL	Average
7	4528.000	54.80	67.97	-13.17	74.00	-19.20	150	81 VERTICAL	Peak
8	5428.000	35.06	48.37	-13.31	54.00	-18.94	150	81 VERTICAL	Average
9	5428.000	62.96	76.27	-13.31	74.00	-11.04	150	81 VERTICAL	Peak
10	8146.000	27.47	36.95	-9.48	54.00	-26.53	150	81 VERTICAL	Average
11	8146.000	54.58	64.06	-9.48	74.00	-19.42	150	81 VERTICAL	Peak
12	9046.000	30.56	39.21	-8.65	54.00	-23.44	150	81 VERTICAL	Average
13	9046.000	57.27	65.92	-8.65	74.00	-16.73	150	81 VERTICAL	Peak

- Note:
- 1. Level (dBuV/m) = Read level + Factor.
 - 2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
 - 3. Over Limit (dB) = Level – Limit line
 - 4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Horizontal	Tester:	Carl
Ambient Temp.:	21°C	Relative Humidity:	62%

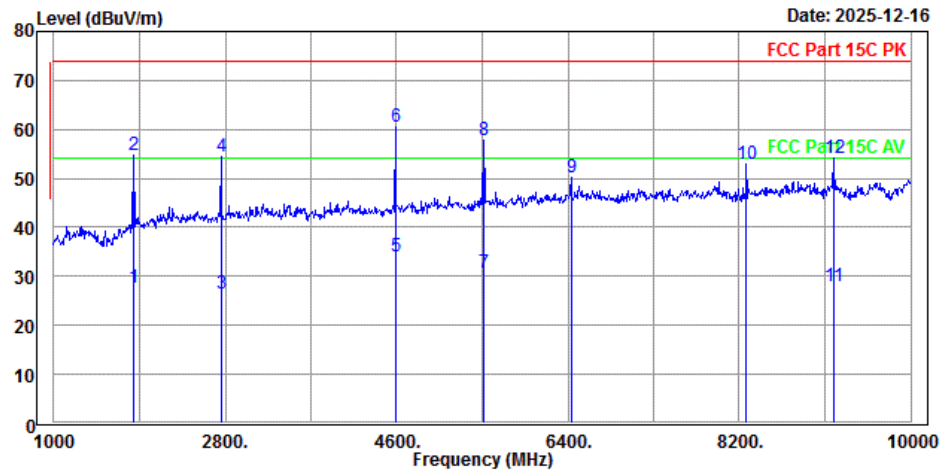


Condition : FCC Part 15C PK 3m EMCO_3117_82847 Horizontal
POWER :
OPERATOR : CARL,T:21,H:62,P:1001

	Freq	Level	Read	Limit	Over	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	1837.000	52.14	68.68	-16.54	74.00	-21.86	150	220	Horizontal Peak
2	2755.000	51.74	66.25	-14.51	74.00	-22.26	150	220	Horizontal Peak
3	3673.000	33.04	46.58	-13.54	54.00	-20.96	150	220	Horizontal Average
4	3673.000	59.62	73.16	-13.54	74.00	-14.38	150	220	Horizontal Peak
5	4600.000	35.36	48.43	-13.07	54.00	-18.64	150	220	Horizontal Average
6	4600.000	62.61	75.68	-13.07	74.00	-11.39	150	220	Horizontal Peak
7	5518.000	31.57	44.78	-13.21	54.00	-22.43	150	220	Horizontal Average
8	5518.000	58.81	72.02	-13.21	74.00	-15.19	150	220	Horizontal Peak
9	6427.000	49.35	60.92	-11.57	74.00	-24.65	150	220	Horizontal Peak
10	8272.000	51.46	60.86	-9.40	74.00	-22.54	150	220	Horizontal Peak

- Note:
- 1. Level (dBuV/m) = Read level + Factor.
 - 2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
 - 3. Over Limit (dB) = Level – Limit line
 - 4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 919 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Vertical	Tester:	Carl
Ambient Temp.:	21°C	Relative Humidity:	62%



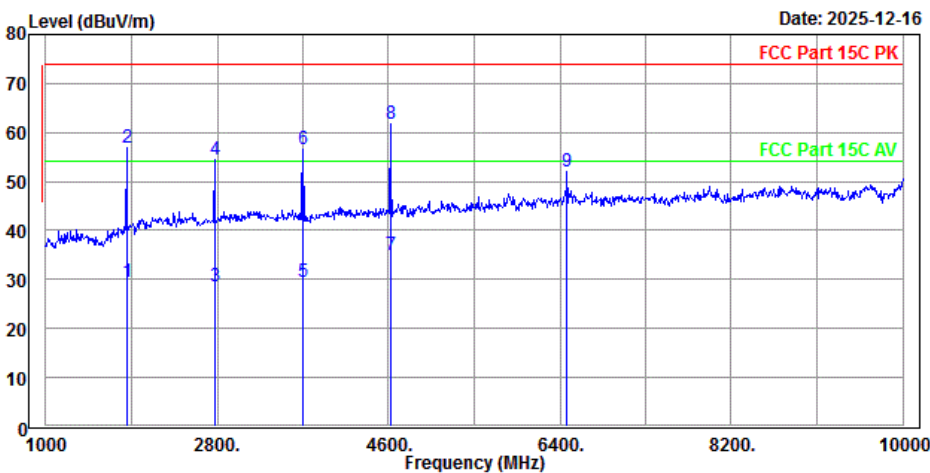
Condition : FCC Part 15C PK 3m EMC0_3117_82847 Vertical
 POWER :
 OPERATOR : CARL,T:21,H:62,P:1001

	Freq	Level	Read	Limit	Over	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	1837.000	27.74	44.28	-16.54	54.00	-26.26	150	163 Vertical	Average
2	1837.000	54.84	71.38	-16.54	74.00	-19.16	150	163 Vertical	Peak
3	2755.000	26.58	41.09	-14.51	54.00	-27.42	150	163 Vertical	Average
4	2755.000	54.32	68.83	-14.51	74.00	-19.68	150	163 Vertical	Peak
5	4591.000	33.97	47.05	-13.08	54.00	-20.03	150	163 Vertical	Average
6	4591.000	60.47	73.55	-13.08	74.00	-13.53	150	163 Vertical	Peak
7	5518.000	30.85	44.06	-13.21	54.00	-23.15	150	163 Vertical	Average
8	5518.000	57.83	71.04	-13.21	74.00	-16.17	150	163 Vertical	Peak
9	6436.000	50.07	61.63	-11.56	74.00	-23.93	150	163 Vertical	Peak
10	8272.000	53.02	62.42	-9.40	74.00	-20.98	150	163 Vertical	Peak
11	9190.000	28.04	36.70	-8.66	54.00	-25.96	150	163 Vertical	Average
12	9190.000	54.19	62.85	-8.66	74.00	-19.81	150	163 Vertical	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 924.1 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Horizontal	Tester:	Carl
Ambient Temp.:	21°C	Relative Humidity:	62%

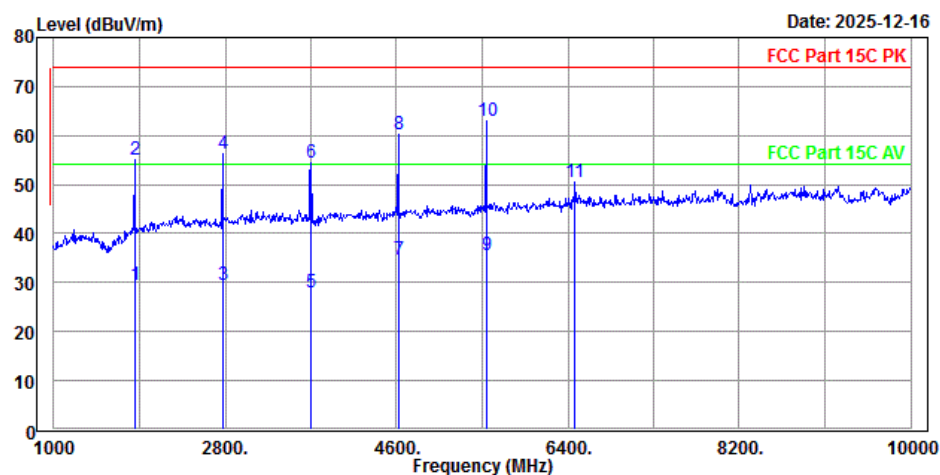


Condition : FCC Part 15C PK 3m EMCO_3117_82847 Horizontal
POWER :
OPERATOR : CARL,T:21,H:62,P:1001

	Freq	Level	Read	Limit	Over	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	1846.000	29.46	45.91	-16.45	54.00	-24.54	150	263	Horizontal Average
2	1846.000	56.76	73.21	-16.45	74.00	-17.24	150	263	Horizontal Peak
3	2773.000	28.58	43.06	-14.48	54.00	-25.42	150	263	Horizontal Average
4	2773.000	54.43	68.91	-14.48	74.00	-19.57	150	263	Horizontal Peak
5	3700.000	29.48	43.01	-13.53	54.00	-24.52	150	263	Horizontal Average
6	3700.000	56.50	70.03	-13.53	74.00	-17.50	150	263	Horizontal Peak
7	4618.000	34.95	47.99	-13.04	54.00	-19.05	150	263	Horizontal Average
8	4618.000	61.72	74.76	-13.04	74.00	-12.28	150	263	Horizontal Peak
9	6472.000	51.94	63.42	-11.48	74.00	-22.06	150	263	Horizontal Peak

- Note:
- 1. Level (dBuV/m) = Read level + Factor.
 - 2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
 - 3. Over Limit (dB) = Level – Limit line
 - 4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 924.1 MHz Internal Ant (GW-SX1262S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Vertical	Tester:	Carl
Ambient Temp.:	21°C	Relative Humidity:	62%



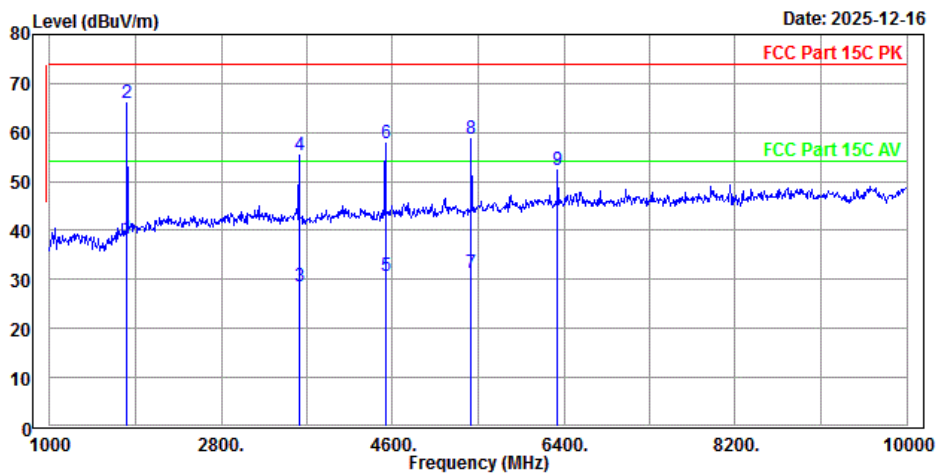
Condition : FCC Part 15C PK 3m EMCO_3117_82847 Vertical
 POWER :
 OPERATOR : CARL,T:21,H:62,P:1001

	Freq	Level	Read Level	Limit Factor	Over Limit	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	1846.000	29.57	46.02	-16.45	54.00	-24.43	150	71 Vertical	Average
2	1846.000	55.21	71.66	-16.45	74.00	-18.79	150	71 Vertical	Peak
3	2773.000	29.57	44.05	-14.48	54.00	-24.43	150	71 Vertical	Average
4	2773.000	56.24	70.72	-14.48	74.00	-17.76	150	71 Vertical	Peak
5	3700.000	27.95	41.48	-13.53	54.00	-26.05	150	71 Vertical	Average
6	3700.000	54.30	67.83	-13.53	74.00	-19.70	150	71 Vertical	Peak
7	4618.000	34.57	47.61	-13.04	74.00	-39.43	150	71 Vertical	Peak
8	4618.000	60.23	73.27	-13.04	74.00	-13.77	150	71 Vertical	Peak
9	5545.000	35.57	48.73	-13.16	54.00	-18.43	150	71 Vertical	Average
10	5545.000	62.94	76.10	-13.16	74.00	-11.06	150	71 Vertical	Peak
11	6472.000	50.56	62.04	-11.48	74.00	-23.44	150	71 Vertical	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Horizontal	Tester:	Carl
Ambient Temp.:	21°C	Relative Humidity:	62%

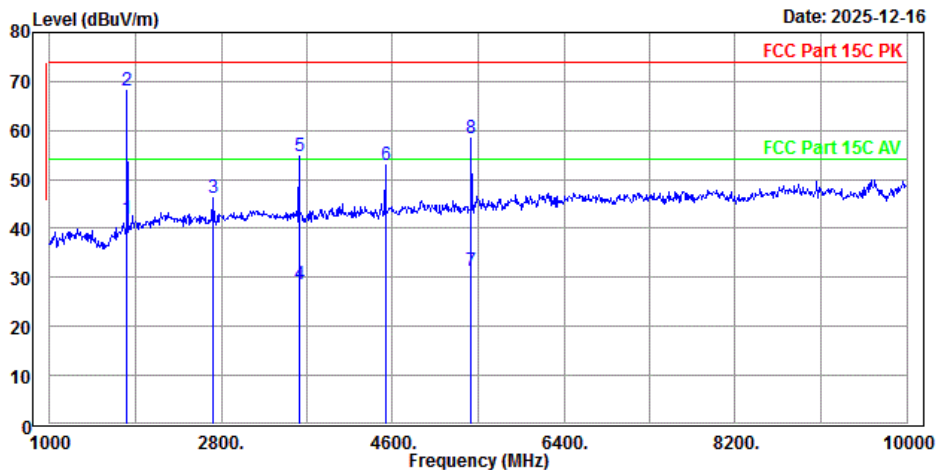


Condition : FCC Part 15C PK 3m EMCO_3117_82847 Horizontal
POWER :
OPERATOR : CARL,T:21,H:62,P:1001

	Freq	Level	Read	Limit	Over	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	1810.000	38.44	55.35	-16.91	54.00	-15.56	150	127	Horizontal Average
2	1810.000	65.86	82.77	-16.91	74.00	-8.14	150	127	Horizontal Peak
3	3619.000	28.46	41.38	-12.92	54.00	-25.54	150	127	Horizontal Average
4	3619.000	55.35	68.27	-12.92	74.00	-18.65	150	127	Horizontal Peak
5	4528.000	30.77	43.94	-13.17	54.00	-23.23	150	127	Horizontal Average
6	4528.000	57.91	71.08	-13.17	74.00	-16.09	150	127	Horizontal Peak
7	5428.000	31.44	44.75	-13.31	54.00	-22.56	150	127	Horizontal Average
8	5428.000	58.81	72.12	-13.31	74.00	-15.19	150	127	Horizontal Peak
9	6337.000	52.38	64.08	-11.70	74.00	-21.62	150	127	Horizontal Peak

- Note:
- Level (dBuV/m) = Read level + Factor.
 - Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
 - Over Limit (dB) = Level – Limit line
 - The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 905 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Vertical	Tester:	Carl
Ambient Temp.:	21℃	Relative Humidity:	62%

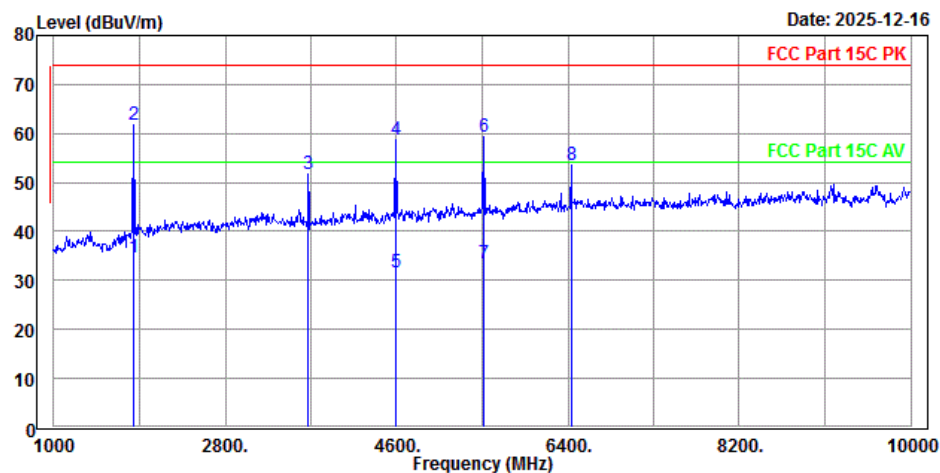


Condition : FCC Part 15C PK 3m EMC0_3117_82847 Vertical
POWER :
OPERATOR : CARL,T:21,H:62,P:1001

	Freq	Level	Read	Limit	Over	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	1810.000	41.85	58.76	-16.91	54.00	-12.15	150	177 Vertical	Average
2	1810.000	68.22	85.13	-16.91	74.00	-5.78	150	177 Vertical	Peak
3	2719.000	46.37	60.97	-14.60	74.00	-27.63	150	177 Vertical	Peak
4	3619.000	28.57	41.49	-12.92	54.00	-25.43	150	177 Vertical	Average
5	3619.000	54.81	67.73	-12.92	74.00	-19.19	150	177 Vertical	Peak
6	4528.000	52.88	66.05	-13.17	74.00	-21.12	150	177 Vertical	Peak
7	5428.000	31.31	44.62	-13.31	54.00	-22.69	150	177 Vertical	Average
8	5428.000	58.27	71.58	-13.31	74.00	-15.73	150	177 Vertical	Peak

- Note:
- 1. Level (dBuV/m) = Read level + Factor.
 - 2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
 - 3. Over Limit (dB) = Level – Limit line
 - 4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Horizontal	Tester:	Carl
Ambient Temp.:	21°C	Relative Humidity:	62%



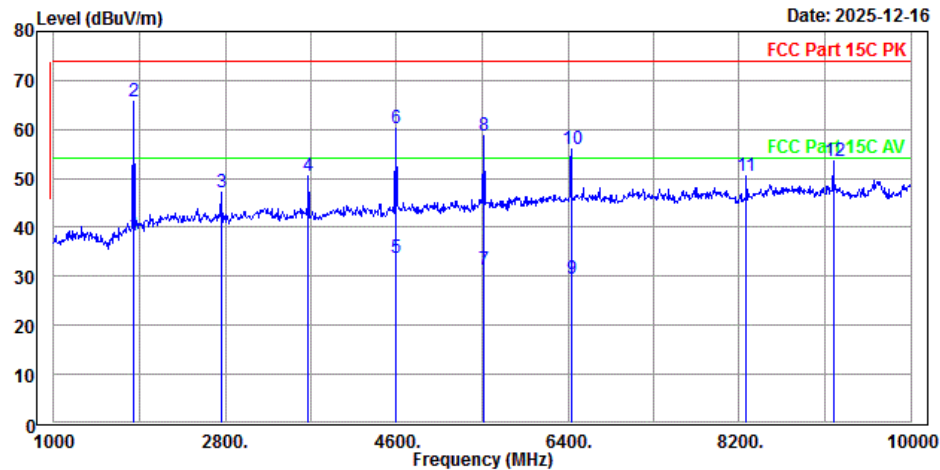
Condition : FCC Part 15C PK 3m EMCO_3117_82847 Horizontal
 POWER :
 OPERATOR : CARL,T:21,H:62,P:1001

	Freq	Level	Read	Limit	Over	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	1837.000	34.63	51.17	-16.54	54.00	-19.37	150	12 Horizontal	Average
2	1837.000	61.75	78.29	-16.54	74.00	-12.25	150	12 Horizontal	Peak
3	3673.000	51.68	65.22	-13.54	74.00	-22.32	150	12 Horizontal	Peak
4	4591.000	58.64	71.72	-13.08	74.00	-15.36	150	12 Horizontal	
5	4591.000	31.55	44.63	-13.08	54.00	-22.45	150	12 Horizontal	Average
6	5509.000	59.44	72.67	-13.23	74.00	-14.56	150	12 Horizontal	
7	5509.000	33.46	46.69	-13.23	54.00	-20.54	150	12 Horizontal	Average
8	6436.000	53.58	65.14	-11.56	74.00	-20.42	150	12 Horizontal	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 919 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Vertical	Tester:	Carl
Ambient Temp.:	21°C	Relative Humidity:	62%



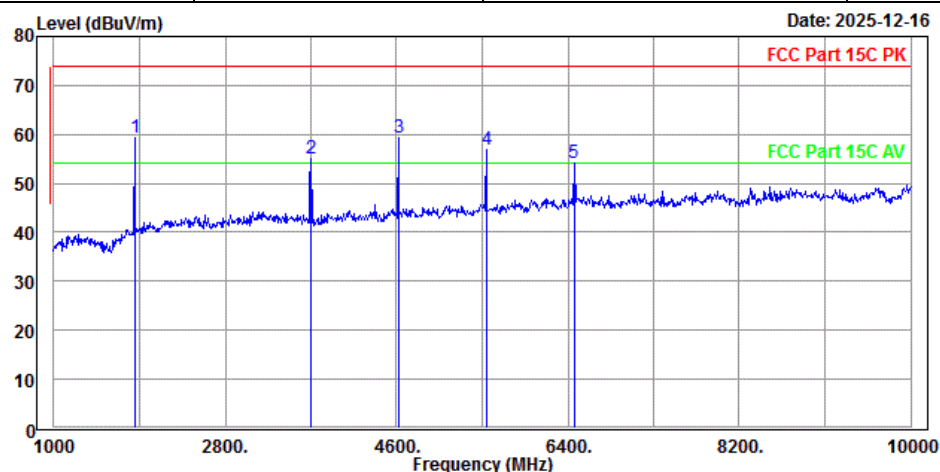
Condition : FCC Part 15C PK 3m EMC0_3117_82847 Vertical
 POWER :
 OPERATOR : CARL,T:21,H:62,P:1001

	Freq	Level	Read	Limit	Over	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	
1	1837.000	38.47	55.01	-16.54	54.00	-15.53	150	173 Vertical	Average
2	1837.000	65.67	82.21	-16.54	74.00	-8.33	150	173 Vertical	Peak
3	2755.000	47.13	61.64	-14.51	74.00	-26.87	150	173 Vertical	Peak
4	3673.000	50.54	64.08	-13.54	74.00	-23.46	150	173 Vertical	Peak
5	4600.000	33.85	46.92	-13.07	54.00	-20.15	150	173 Vertical	Average
6	4600.000	60.13	73.20	-13.07	74.00	-13.87	150	173 Vertical	Peak
7	5518.000	31.46	44.67	-13.21	54.00	-22.54	150	173 Vertical	Average
8	5518.000	58.76	71.97	-13.21	74.00	-15.24	150	173 Vertical	Peak
9	6436.000	29.44	41.00	-11.56	54.00	-24.56	150	173 Vertical	Average
10	6436.000	56.03	67.59	-11.56	74.00	-17.97	150	173 Vertical	Peak
11	8272.000	50.37	59.77	-9.40	74.00	-23.63	150	173 Vertical	Peak
12	9190.000	53.62	62.28	-8.66	74.00	-20.38	150	173 Vertical	Peak

Note:

- Level (dBuV/m) = Read level + Factor.
- Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
- Over Limit (dB) = Level – Limit line
- The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Horizontal	Tester:	Carl
Ambient Temp.:	21°C	Relative Humidity:	62%



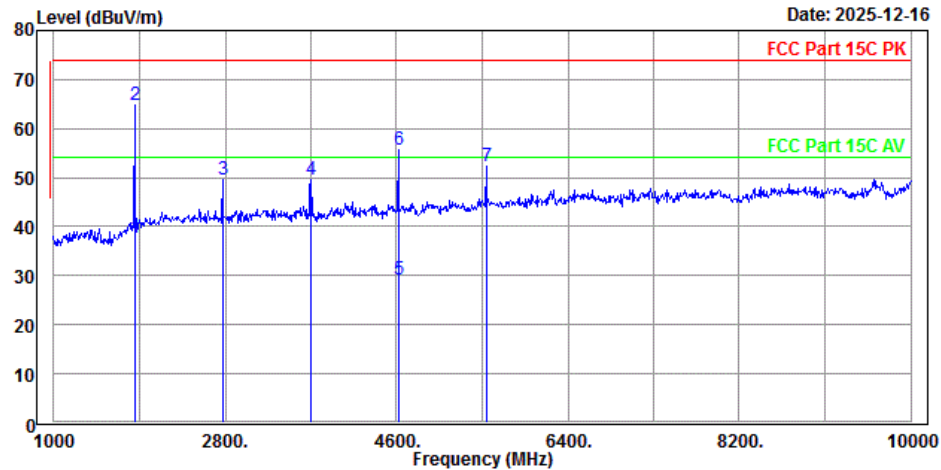
Condition : FCC Part 15C PK 3m EMCO_3117_82847 Horizontal
 POWER :
 OPERATOR : CARL,T:21,H:62,P:1001

	Freq	Level	Read	Limit	Over	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	Level	Line	Limit				
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	1846.000	59.34	75.79	-16.45	74.00	-14.66	150	87	Horizontal Peak
2	3700.000	55.00	68.53	-13.53	74.00	-19.00	150	87	Horizontal Peak
3	4618.000	59.38	72.42	-13.04	74.00	-14.62	150	87	Horizontal Peak
4	5545.000	56.90	70.06	-13.16	74.00	-17.10	150	87	Horizontal Peak
5	6463.000	54.27	65.77	-11.50	74.00	-19.73	150	87	Horizontal Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. The peak level meets average limit, so average value doesn't need be recorded.

Test Mode:	Continuous Transmitting 924.1 MHz External Ant (GW-SX1262S1-F01H0-S)		
Test Range:	1 GHz ~ 10 GHz		
Polarization:	Vertical	Tester:	Carl
Ambient Temp.:	21°C	Relative Humidity:	62%



Condition : FCC Part 15C PK 3m EMCO_3117_82847 Vertical

POWER :

OPERATOR : CARL,T:21,H:62,P:1001

	Freq	Level	Read	Limit	Over	APos	TPos	Pol/Phase	Remark
	MHz	dBuV/m	Level	Factor	Line	Limit			
			dBuV	dB/m	dBuV/m	dB	cm	deg	
1	1846.000	37.74	54.19	-16.45	54.00	-16.26	150	225 Vertical	Average
2	1846.000	64.87	81.32	-16.45	74.00	-9.13	150	225 Vertical	Peak
3	2773.000	49.51	63.99	-14.48	74.00	-24.49	150	225 Vertical	Peak
4	3700.000	49.66	63.19	-13.53	74.00	-24.34	150	225 Vertical	Peak
5	4618.000	29.05	42.09	-13.04	54.00	-24.95	150	225 Vertical	Average
6	4618.000	55.65	68.69	-13.04	74.00	-18.35	150	225 Vertical	Peak
7	5545.000	52.29	65.45	-13.16	74.00	-21.71	150	225 Vertical	Peak

Note:

1. Level (dBuV/m) = Read level + Factor.
2. Factor (dB/m) = Cable Loss + Antenna Factor – Gain of Preamplifier.
3. Over Limit (dB) = Level – Limit line
4. The peak level meets average limit, so average value doesn't need be recorded.

8 Conducted Emission Measurement

Result: Pass

8.1 Limits for Emission Measurement

AC line conduction emission limit is as below table.

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 - 5	56	46
5 - 30	60	50

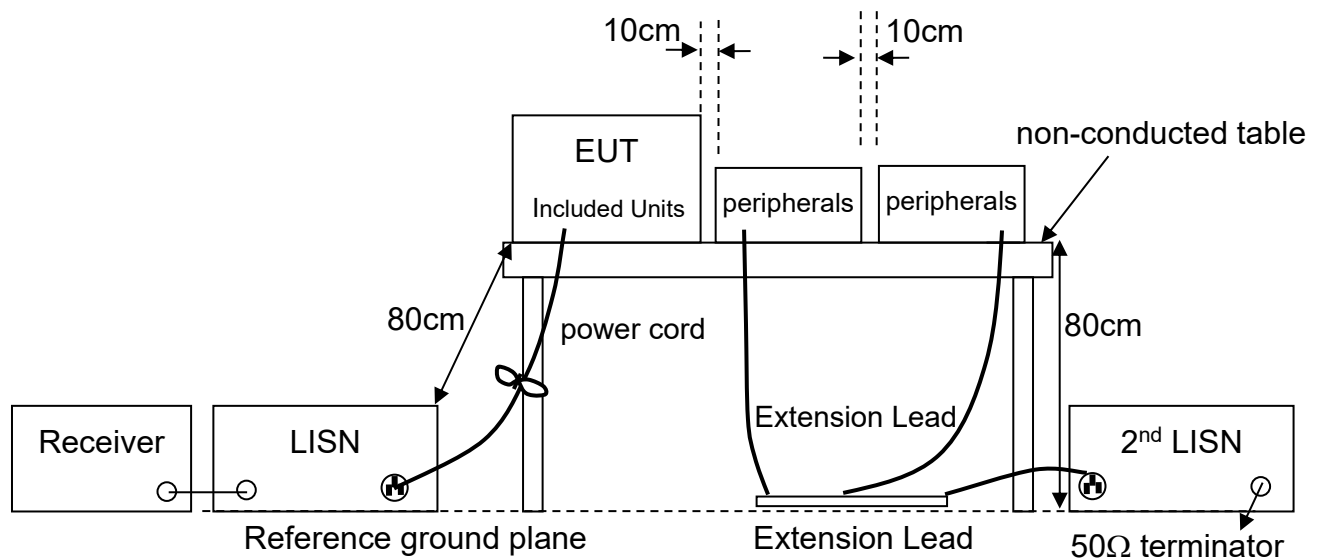
* Decreases with the logarithm of the frequency.

8.2 Test Procedures

- The EUT was set up per the test configuration figured in the next section of this chapter to simulate the typical usage per the user's manual.
- If the EUT is tabletop equipment, it was placed on a non-conducted table with a height of 0.8 meters above the reference ground plane and 0.4 meters from the conducting wall of the shielded room. Also if the EUT is floor-standing equipment, it was placed on a non-conducted support with a height of 12 millimeters above the reference ground plane.
- Connect the EUT's power source to the appropriate power mains through the LISN.
- All the other peripherals are connected to the 2nd LISN, if any.
- The LISN was placed 0.8 meters from the EUT and at least 0.8 meters from other units and other metal planes.
- Measure the conducted emissions on each power line (Neutral Line and Line 1 – Hot side) of the EUT's power source by using the test receiver connected to the coupling RF output port of LISN.
- Rapidly scan the signal from 150kHz to 30MHz by using the receiver through the Maximum-Peak detector to determine those frequencies associated with higher emission levels for each measured line. Receiver setting is IF bandwidth=9 kHz.

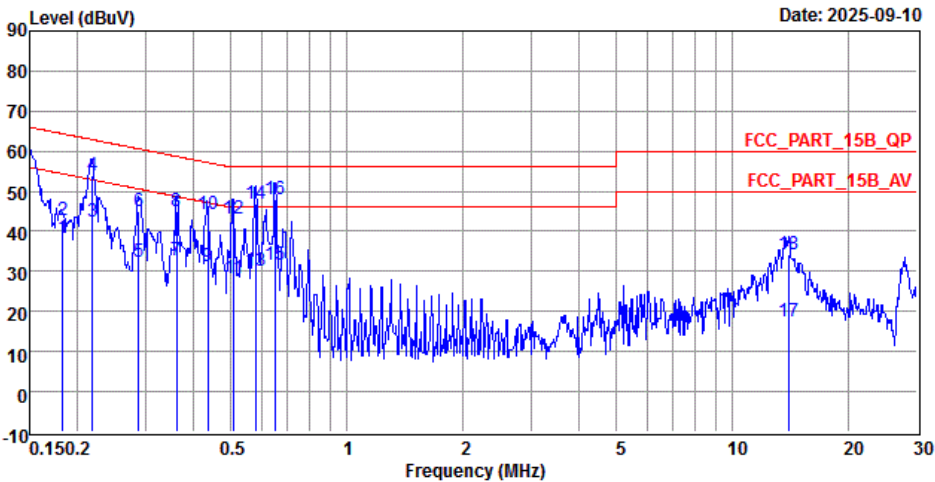
- h. Then measure the maximum level of conducted disturbance for each frequency found from step g. by using the receiver through the Quasi-Peak and Average detectors per CISPR 16-1.
- i. Record the level for each frequency and compare with the required limit.

8.3 Test Configurations



8.4 Test Data

Test Mode:	Normal Mode Internal Ant (GW-LLCC68S1-F01H0-S)		
Phase:	Line	Tester:	Hunter
Ambient Temp.:	29°C	Relative Humidity:	57%



Site : TR20
Condition : FCC_PART_15B_QP ESH2-Z5_880669 LINE
Power : DC 3V
Operator : Hunter Chiang T :29 H :57 P :1012

	Freq	Level	Factor	Read	Limit	Over		
	MHz	dBuV	dB	Level	Line	Limit	Pol/Phase	Remark
1	0.183	38.22	10.17	28.05	54.35	-16.13	LINE	Average
2	0.183	42.70	10.17	32.53	64.35	-21.65	LINE	QP
3	0.219	42.35	10.21	32.14	52.87	-10.52	LINE	Average
4	0.219	54.03	10.21	43.82	62.87	-8.84	LINE	QP
5	0.287	32.41	10.36	22.05	50.60	-18.19	LINE	Average
6	0.287	44.86	10.36	34.50	60.60	-15.74	LINE	QP
7	0.361	32.84	10.40	22.44	48.70	-15.86	LINE	Average
8	0.361	45.18	10.40	34.78	58.70	-13.52	LINE	QP
9	0.434	31.44	10.33	21.11	47.17	-15.73	LINE	Average
10	0.434	44.11	10.33	33.78	57.17	-13.06	LINE	QP
11	0.508	28.17	10.20	17.97	46.00	-17.83	LINE	Average
12	0.508	43.01	10.20	32.81	56.00	-12.99	LINE	QP
13	0.577	30.26	10.21	20.05	46.00	-15.74	LINE	Average
14	0.577	46.87	10.21	36.66	56.00	-9.13	LINE	QP
15	0.651	31.74	10.22	21.52	46.00	-14.26	LINE	Average
16	0.651	48.13	10.22	37.91	56.00	-7.87	LINE	QP
17	13.953	17.40	11.06	6.34	50.00	-32.60	LINE	Average
18	13.953	34.08	11.06	23.02	60.00	-25.92	LINE	QP

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + insertion loss of LISN.
3. Q.P. is abbreviation of quasi-peak

Test Mode:	Normal Mode Internal Ant (GW-LLCC68S1-F01H0-S)		
Phase:	Neutral	Tester:	Hunter
Ambient Temp.:	29°C	Relative Humidity:	57%

Level (dBuV) vs Frequency (MHz) graph. The Y-axis ranges from -10 to 90 dBuV. The X-axis ranges from 0.1502 to 30 MHz. The graph shows a blue line representing the measured emission level, which fluctuates between approximately 10 and 40 dBuV across the frequency range. Two red lines represent the FCC Part 15B limits: FCC_PART_15B_QP (Quasi-Peak) and FCC_PART_15B_AV (Average). The QP limit starts at approximately 65 dBuV at 0.15 MHz and decreases to about 55 dBuV at 5 MHz, then remains constant. The AV limit starts at approximately 55 dBuV at 0.15 MHz and decreases to about 45 dBuV at 5 MHz, then remains constant. The measured level is generally below the QP limit, with a notable peak around 0.6 MHz reaching approximately 48 dBuV.

Date: 2025-09-10

Site : TR20
Condition : FCC_PART_15B_QP ESH2-Z5_880669 NEUTRAL
Power : DC 3V
Operator : Hunter Chiang T :29 H :57 P :1012

	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.151	38.51	10.17	28.34	55.97	-17.46	NEUTRAL	Average
2	0.151	51.40	10.17	41.23	65.97	-14.57	NEUTRAL	QP
3	0.212	29.19	10.20	18.99	53.13	-23.94	NEUTRAL	Average
4	0.212	40.25	10.20	30.05	63.13	-22.88	NEUTRAL	QP
5	0.287	28.41	10.37	18.04	50.62	-22.21	NEUTRAL	Average
6	0.287	42.09	10.37	31.72	60.62	-18.53	NEUTRAL	QP
7	0.580	29.42	10.22	19.20	46.00	-16.58	NEUTRAL	Average
8	0.580	44.99	10.22	34.77	56.00	-11.01	NEUTRAL	QP
9	0.613	26.11	10.22	15.89	46.00	-19.89	NEUTRAL	Average
10	0.613	38.43	10.22	28.21	56.00	-17.57	NEUTRAL	QP
11	0.650	31.48	10.23	21.25	46.00	-14.52	NEUTRAL	Average
12	0.650	48.12	10.23	37.89	56.00	-7.88	NEUTRAL	QP

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + insertion loss of LISN.
3. Q.P. is abbreviation of quasi-peak

Test Mode:	Normal Mode External Ant (GW-LLCC68S1-F01H0-S)		
Phase:	Line	Tester:	Hunter
Ambient Temp.:	29°C	Relative Humidity:	57%

Level (dBuV) Date: 2025-09-10

Frequency (MHz)

Site : TR20
Condition : FCC_PART_15B_QP ESH2-Z5_880669 LINE
Power : DC 3V
Operator : Hunter Chiang T :29 H :57 P :1012

	Freq	Level	Factor	Read Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.151	40.32	10.16	30.16	55.96	-15.64	LINE	Average
2	0.151	50.99	10.16	40.83	65.96	-14.97	LINE	QP
3	0.213	38.15	10.20	27.95	53.08	-14.93	LINE	Average
4	0.213	49.71	10.20	39.51	63.08	-13.37	LINE	QP
5	0.435	31.46	10.33	21.13	47.15	-15.69	LINE	Average
6	0.435	43.65	10.33	33.32	57.15	-13.50	LINE	QP
7	0.509	28.29	10.20	18.09	46.00	-17.71	LINE	Average
8	0.509	42.86	10.20	32.66	56.00	-13.14	LINE	QP
9	0.581	29.62	10.21	19.41	46.00	-16.38	LINE	Average
10	0.581	45.83	10.21	35.62	56.00	-10.17	LINE	QP
11	0.650	30.99	10.22	20.77	46.00	-15.01	LINE	Average
12	0.650	48.17	10.22	37.95	56.00	-7.83	LINE	QP

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + insertion loss of LISN.
3. Q.P. is abbreviation of quasi-peak

Test Mode:	Normal Mode External Ant (GW-LLCC68S1-F01H0-S)		
Phase:	Neutral	Tester:	Hunter
Ambient Temp.:	29°C	Relative Humidity:	57%

Level (dBuV)

Date: 2025-09-10

Frequency (MHz)

Site : TR20

Condition : FCC_PART_15B_QP ESH2-Z5_880669 NEUTRAL

Power : DC 3V

Operator : Hunter Chiang T :29 H :57 P :1012

	Freq	Level	Factor	Read	Limit	Over		
	MHz	dBuV	dB	Level	Line	Limit	Pol/Phase	Remark
1	0.154	26.45	10.17	16.28	55.78	-29.33	NEUTRAL	Average
2	0.154	49.29	10.17	39.12	65.78	-16.49	NEUTRAL	QP
3	0.219	35.48	10.22	25.26	52.85	-17.37	NEUTRAL	Average
4	0.219	46.47	10.22	36.25	62.85	-16.38	NEUTRAL	QP
5	0.292	29.49	10.38	19.11	50.47	-20.98	NEUTRAL	Average
6	0.292	42.80	10.38	32.42	60.47	-17.67	NEUTRAL	QP
7	0.509	25.68	10.21	15.47	46.00	-20.32	NEUTRAL	Average
8	0.509	39.87	10.21	29.66	56.00	-16.13	NEUTRAL	QP
9	0.582	27.18	10.22	16.96	46.00	-18.82	NEUTRAL	Average
10	0.582	42.17	10.22	31.95	56.00	-13.83	NEUTRAL	QP
11	0.652	32.08	10.23	21.85	46.00	-13.92	NEUTRAL	Average
12	0.652	48.45	10.23	38.22	56.00	-7.55	NEUTRAL	QP

Note:

Test Mode:	Normal Mode Internal Ant (GW-SX1262S1-F01H0-S)		
Phase:	Line	Tester:	Hunter
Ambient Temp.:	26°C	Relative Humidity:	52%

Level (dBuV) Date: 2025-12-18

Trace: (Discrete)

Condition : FCC PART 15B_MAIN_QP NSLK_8128RC LINE

Power : 60Hz/120V

Operator : DER-JAN KEN T26/H52/P1020

	Freq	Level	Level Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.152	34.26	24.23	10.03	55.87	-21.61	LINE Average
2	0.152	50.66	40.63	10.03	65.87	-15.21	LINE QP
3	0.219	43.63	33.62	10.01	52.88	-9.25	LINE Average
4	0.219	52.55	42.54	10.01	62.88	-10.33	LINE QP
5	0.288	33.40	23.39	10.01	50.59	-17.19	LINE Average
6	0.288	45.96	35.95	10.01	60.59	-14.63	LINE QP
7	0.361	33.72	23.73	9.99	48.69	-14.97	LINE Average
8	0.361	47.40	37.41	9.99	58.69	-11.29	LINE QP
9	0.435	32.72	22.74	9.98	47.15	-14.43	LINE Average
10	0.435	47.16	37.18	9.98	57.15	-9.99	LINE QP
11	0.507	29.99	20.00	9.99	46.00	-16.01	LINE Average
12	0.507	46.45	36.46	9.99	56.00	-9.55	LINE QP
13	0.582	34.49	24.50	9.99	46.00	-11.51	LINE Average
14	0.582	48.98	38.99	9.99	56.00	-7.02	LINE QP
15	0.651	27.88	17.90	9.98	46.00	-18.12	LINE Average
16	0.651	46.42	36.44	9.98	56.00	-9.58	LINE QP

Note:

- Emission Level = reading value + correction factor.
- Correction factor = cable loss + insertion loss of LISN.
- Q.P. is abbreviation of quasi-peak

Test Mode:	Normal Mode Internal Ant (GW-SX1262S1-F01H0-S)		
Phase:	Neutral	Tester:	Hunter
Ambient Temp.:	26°C	Relative Humidity:	52%

Trace: (Discrete)

Condition : FCC PART 15B_MAIN_QP NSLK_8128RC NEUTRAL

Power : 60Hz/120V

Operator : DER-JAN KEN T26/H52/P1020

	Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB		
1	0.151	35.54	25.52	10.02	55.96	-20.42	NEUTRAL	Average
2	0.151	50.54	40.52	10.02	65.96	-15.42	NEUTRAL	QP
3	0.216	37.47	27.47	10.00	52.96	-15.49	NEUTRAL	Average
4	0.216	48.67	38.67	10.00	62.96	-14.29	NEUTRAL	QP
5	0.291	33.49	23.50	9.99	50.50	-17.01	NEUTRAL	Average
6	0.291	46.65	36.66	9.99	60.50	-13.85	NEUTRAL	QP
7	0.435	30.86	20.90	9.96	47.15	-16.29	NEUTRAL	Average
8	0.435	44.13	34.17	9.96	57.15	-13.02	NEUTRAL	QP
9	0.507	28.68	18.71	9.97	46.00	-17.32	NEUTRAL	Average
10	0.507	43.96	33.99	9.97	56.00	-12.04	NEUTRAL	QP
11	0.579	31.67	21.70	9.97	46.00	-14.33	NEUTRAL	Average
12	0.579	47.12	37.15	9.97	56.00	-8.88	NEUTRAL	QP
13	0.651	27.87	17.91	9.96	46.00	-18.13	NEUTRAL	Average
14	0.651	46.29	36.33	9.96	56.00	-9.71	NEUTRAL	QP

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + insertion loss of LISN.
3. Q.P. is abbreviation of quasi-peak

Test Mode:	Normal Mode External Ant (GW-SX1262S1-F01H0-S)		
Phase:	Line	Tester:	Hunter
Ambient Temp.:	26°C	Relative Humidity:	52%

Trace: (Discrete)

Condition : FCC PART 15B_MAIN_QP NSLK_8128RC LINE

Power : 60Hz/120V

Operator : DER-JAN KEN T26/H52/P1020

	Freq	Level	Level	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB		
1	0.152	34.56	24.53	10.03	55.87	-21.31	LINE	Average
2	0.152	51.21	41.18	10.03	65.87	-14.66	LINE	QP
3	0.219	43.64	33.63	10.01	52.88	-9.24	LINE	Average
4	0.219	52.58	42.57	10.01	62.88	-10.30	LINE	QP
5	0.291	35.90	25.89	10.01	50.50	-14.60	LINE	Average
6	0.291	47.92	37.91	10.01	60.50	-12.58	LINE	QP
7	0.361	33.66	23.67	9.99	48.69	-15.03	LINE	Average
8	0.361	47.26	37.27	9.99	58.69	-11.43	LINE	QP
9	0.435	32.66	22.68	9.98	47.15	-14.49	LINE	Average
10	0.435	47.05	37.07	9.98	57.15	-10.10	LINE	QP
11	0.507	29.83	19.84	9.99	46.00	-16.17	LINE	Average
12	0.507	46.27	36.28	9.99	56.00	-9.73	LINE	QP
13	0.582	34.21	24.22	9.99	46.00	-11.79	LINE	Average
14	0.582	48.74	38.75	9.99	56.00	-7.26	LINE	QP
15	0.651	27.80	17.82	9.98	46.00	-18.20	LINE	Average
16	0.651	46.21	36.23	9.98	56.00	-9.79	LINE	QP

Note:

1. Emission Level = reading value + correction factor.
2. Correction factor = cable loss + insertion loss of LISN.
3. Q.P. is abbreviation of quasi-peak

Test Mode:	Normal ModeExternal Ant (GW-SX1262S1-F01H0-S)		
Phase:	Neutral	Tester:	Hunter
Ambient Temp.:	26°C	Relative Humidity:	52%

Level (dBuV) Date: 2025-12-18

Trace: (Discrete)

Condition : FCC PART 15B_MAIN_QP NSLK_8128RC NEUTRAL

Power : 60Hz/120V

Operator : DER-JAN KEN T26/H52/P1020

	Freq	Level	Level Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.153	33.24	23.22	10.02	55.82	-22.58	NEUTRAL Average
2	0.153	50.65	40.63	10.02	65.82	-15.17	NEUTRAL QP
3	0.219	38.34	28.34	10.00	52.88	-14.54	NEUTRAL Average
4	0.219	49.28	39.28	10.00	62.88	-13.60	NEUTRAL QP
5	0.288	31.18	21.19	9.99	50.59	-19.41	NEUTRAL Average
6	0.288	44.73	34.74	9.99	60.59	-15.86	NEUTRAL QP
7	0.361	30.05	20.08	9.97	48.69	-18.64	NEUTRAL Average
8	0.361	44.09	34.12	9.97	58.69	-14.60	NEUTRAL QP
9	0.435	30.81	20.85	9.96	47.15	-16.34	NEUTRAL Average
10	0.435	44.02	34.06	9.96	57.15	-13.13	NEUTRAL QP
11	0.507	28.59	18.62	9.97	46.00	-17.41	NEUTRAL Average
12	0.507	43.80	33.83	9.97	56.00	-12.20	NEUTRAL QP
13	0.579	31.36	21.39	9.97	46.00	-14.64	NEUTRAL Average
14	0.579	46.74	36.77	9.97	56.00	-9.26	NEUTRAL QP
15	0.651	27.87	17.91	9.96	46.00	-18.13	NEUTRAL Average
16	0.651	46.10	36.14	9.96	56.00	-9.90	NEUTRAL QP

Note:

- Emission Level = reading value + correction factor.
- Correction factor = cable loss + insertion loss of LISN.
- Q.P. is abbreviation of quasi-peak

9 Antenna Requirement

Result: Pass

9.1 Applied Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall 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 manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

9.2 Description of Antenna

Antenna Type	Brand	Model	Frequency Range (MHz)	Peak Gain (dBi)	Connector Type
Dipole	Gortec	AN0915- 5001BSM	902 ~ 928	2.34	SMA Female
PCB	Gwell	GW- HPCB9XXM	902 ~ 928	1.00	--

~ End of Report ~