



FCC TEST REPORT

FCC ID: 2AXZU-BRIDGE2

On Behalf of

ERM Electronic Systems Ltd

TagLINK Bridge

Model No.: TagLINK Bridge II, TagLINK Bridge II Slim

Prepared for : ERM Electronic Systems Ltd
Address : 16 Hasar Shapira St, Rishon Le'Zion, Israel

Prepared By : Shenzhen PSI Testing Co., Ltd.
Address : 1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road,
Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

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Version Number : V0

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TEST REPORT DECLARATION

Applicant : ERM Electronic Systems Ltd
Address : 16 Hasar Shapira St, Rishon Le'Zion, Israel
Manufacturer : ERM Electronic Systems Ltd
Address : 16 Hasar Shapira St, Rishon Le'Zion, Israel
EUT Description : TagLINK Bridge
(A) Model No. : TagLINK Bridge II, TagLINK Bridge II Slim
(B) Trademark : N/A

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.247

Test Result: PASS

The device described above is tested by Shenzhen PSI Testing Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Shenzhen PSI Testing Co., Ltd. is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the FCC Part 15C requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen PSI Testing Co., Ltd.

Tested by (name + signature).....: Felix Pang
Test Engineer



Approved by (name + signature).....: Simple Guan
Project Manager



Date of issue.....: July 24, 2026

Revision History

Revision	Issue Date	Revisions	Revised By
V0	July 24, 2026	Initial released Issue	Felix Pang



1. Summary Of Standards And Results

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below:

Test Item	Standards Paragraph	Result
Maximum Peak Output Power	FCC Part 15: 15.247(a)(1)& (b)(1), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	P
Radiated Spurious Emission	FCC Part 15: 15.247(d), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	P
Out-of-band Emissions	FCC Part 15: 15.247(d), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	P
Radiated Band Edge Emission	FCC Part 15: 15.247(d), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	P
Power Line Conducted Emissions	FCC Part 15: 15.207(a), ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024	P
Antenna requirement	FCC Part 15: 15.203	P

Note:

1. P is an abbreviation for Pass.
2. F is an abbreviation for Fail.
3. N/A is an abbreviation for Not Applicable.
4. Conclusion determination rules of this report: Unless there are clear provisions on measurement uncertainty in the standard or customer requirements, decision by actual test data without considering measurement uncertainty.
5. Measurement method usage KDB 558074 D01 15.247 Meas Guidance v05r02.

2. General Information

2.1. Description of Device (EUT)

Product Name	:	TagLINK Bridge
Model No.	:	TagLINK Bridge II, TagLINK Bridge II Slim
Diff	:	The circuit boards for both products are identical, with the main difference being that the TagLINK Bridge II product has a thick casing and is powered by a blue battery, while the TagLINK Bridge II Slim product has a thin casing and is powered by a silver battery.
Power supply	:	DC 9V-32V power supply, DC 5V from adapter, DC 3.7V from battery

Radio Technology	:	RFID
Operation frequency	:	905~920MHz
Channel No.	:	50 channels
Modulation	:	GFSK
Antenna Type	:	Internal antenna, Maximum Gain is 0.76dBi.

PMN : N/A

HVIN : N/A

Software version : N/A

Hardware version/FVIN : N/A

Note : 1. Antenna information is provided by applicant.
Testing lab is not responsible for the accuracy of the information.

2. The model "TagLINK Bridge" has been renamed "TagLINK Bridge II", with the addition of a new model "TagLINK Bridge II Slim".

3. The motherboards for the "TagLINK Bridge II" and "TagLINK Bridge II Slim" products have had four capacitors removed from their circuits compared to previous versions.

4. The two prototype models feature additional batteries. The "TagLINK Bridge II" product has a thick casing and is powered by a blue battery, while the "TagLINK Bridge II Slim" product has a lightweight casing and is powered by a silver battery.

2.2. Accessories of Device (EUT)

Accessories 1 : USB Cable
 Manufacturer : N/A
 Model : N/A

2.3. Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number
1	Adapter	Baseus	CCXFK65CC	N/A
2	N/A	N/A	N/A	N/A

2.4. Block Diagram of Connection Between EUT and Simulators

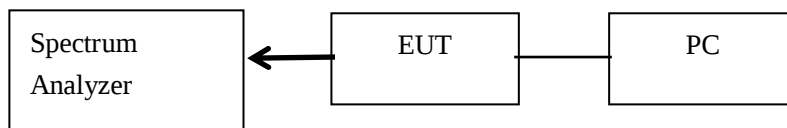
Spurious Emission



Power Line Conducted Emission



RF



2.5. Test Mode Description

The test software used to control EUT work in Continuous TX mode, and select test channel, wireless mode

Tested mode, channel, and data rate information		
Mode	Channel	Frequency (MHz)
GFSK Carrier Tx Mode	CH1	905.0
	CH26	912.5
	CH50	920.0
GFSK hopping on Tx Mode	CH1	905.0
	CH26	912.5
	CH50	920.0
GFSK hopping off Tx Mode	CH1	905.0
	CH26	912.5
	CH50	920.0

Channel list:							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH1	905.0	CH15	909.2	CH29	913.4	CH43	917.6
CH2	905.3	CH16	909.5	CH30	913.7	CH44	917.9
CH3	905.6	CH17	909.8	CH31	914.0	CH45	918.2
CH4	905.9	CH18	910.1	CH32	914.3	CH46	918.5
CH5	906.2	CH19	910.4	CH33	914.6	CH47	918.8
CH6	906.5	CH20	910.7	CH34	914.9	CH48	919.4
CH7	906.8	CH21	911.0	CH35	915.2	CH49	919.7
CH8	907.1	CH22	911.3	CH36	915.5	CH50	920.0
CH9	907.4	CH23	911.6	CH37	915.8	--	--
CH10	907.7	CH24	911.9	CH38	916.1	--	--
CH11	908.0	CH25	912.2	CH39	916.4	--	--
CH12	908.3	CH26	912.5	CH40	916.7	--	--
CH13	908.6	CH27	912.8	CH41	917.0	--	--
CH14	908.9	CH28	913.1	CH42	917.3	--	--

2.6. Software test version and power setting information

Software testing version	TagBridgeTester.exe V1.25.5.1		
Mode	The client 's preset testing software is used to control the operation of EUT in continuous transmission mode and select the testing channel, wireless mode:		
Power level setup by client			
Mode	Channel	Frequency (MHz)	Soft Set
GFSK	Low :CH1	905.0	TX level is set as defaults value.
	Middle: CH26	912.5	TX level is set as defaults value.
	High: CH50	920.0	TX level is set as defaults value.

2.7. Test Conditions

Items	Required	Actual
Temperature range:	15-35℃	26℃
Humidity range:	25-75%	54%
Pressure range:	86-106kPa	101kPa

2.8. Test Facility

Shenzhen PSI Testing Co., Ltd.

1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

September 13, 2023 File on Federal Communication Commission

Registration Number: 916281

Designation Number: CN1362

September 21, 2023 Certificated by IC

Registration Number: 31123

CAB identifier: CN0158

2.9. Measurement Uncertainty

(95% confidence levels, k=2)

Item	Uncertainty
Power Line Conducted Emissions Test	2.13dB
Radiation Emission test in 3m chamber(below 30MHz)	4.07dB
Radiation Emission test in 3m chamber(30MHz to 1GHz)	4.51dB
Radiation Emission test in 3m chamber(1GHz to 18GHz)	5.07dB
Radiation Emission test in 3m chamber(18GHz to 40GHz)	5.21dB
Radio Frequency	48.24KHz
Conducted RF Power	0.41dB
Power Spectral Density	0.39 dB
Occupied-Bandwidth	968Hz
Duty Cycle	1%
Conducted-Spurious Emission	1.26dB

2.10.Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware Version	Last Cal.	Cal. Interval
1.	9*6*6 anechoic chamber	SKET	9*6*6	N/A	/	2025.12.18	3 Year
2.	Test Receiver	Rohde&Schwarz	ESCI 7	101032/003	4.42 SP3	2025.12.18	1 Year
3.	L.I.S.N.#1	Rohde&Schwarz	ENV 216	102282	/	2025.12.18	1 Year
4.	L.I.S.N.#2	EMCO	3810-2	00094944	/	2025.12.18	1 Year
5.	Loop Antenna	Schwarz beck	FMZB 1519B	00128	/	2025.01.02	2 Year
6.	Bilog Antenna	Schwarz beck	VULB 9168	01448	/	2025.01.02	2 Year
7.	Spectrum Analyzer	Rohde&Schwarz	FSV40-N	101648	3.70	2025.12.18	1 Year
8.	Horn Antenna	Schwarz beck	BBHA 9120 D	02706	/	2025.01.02	2 Year
9.	Amplifier	SKET	LNPA_0118G-50	SK2022032901	/	2025.12.18	1 Year
10.	Horn Antenna	Schwarz beck	BBHA 9170	00946	/	2024.12.31	2 Year
11.	Amplifier	SKET	LNPA_1840G-50	SK2019040302	/	2025.12.18	1 Year
12.	RF Power Probe	Rohde&Schwarz	NRP-Z11	1138.3004.02-11 11533-Fz	/	2025.12.18	1 Year
13.	RF Sensor Unit	Tachoy	TR1029-2	20220428P008	/	2025.12.18	1 Year
14.	Spectrum Analyzer	Agilent	N9020A	MY51281067	A.14.03	2025.12.18	1 Year
15.	Temp. & Humid Chamber	Auchno	9606	/	/	2025.12.18	1 Year
16.	Regulated DC Power Supply	Xinouhua	ADC120V10A	202211251638	/	2025.12.18	1 Year
17.	Cable	SKET	Cable-RE-1	#02/#03	/	2025.12.18	1 Year
18.	Cable	SKET	Cable-RE-2	#01	/	2025.12.18	1 Year
19.	Cable	SKET	Cable-RE-3	#04	/	2025.12.18	1 Year
20.	Cable	SKET	Cable-CE-1	A-E-24	/	2025.12.18	1 Year
21.	6dB Attenuator	Schwarzbeck	DGA 9552N 6dB	CK4186	/	2025.12.18	1 Year
22.	Power meter	Agilent	E4419B	GB40202121	/	2025.12.18	1 Year
23.	Comprehensive Test Instrument	Rohde&Schwarz	CMW 500	145266	/	2025.12.18	1 Year
For Test Software Information							
Item	Software Name	Manufacturer		Version			
RE	EZ_EMG	Farad		PSI-3A1			
CE	EZ_EMG	Farad		PSI-3A1			
RF	RTS	TACHOY		V1.0.0			

3. Maximum Peak Output Power

3.1. Limit

Please refer FCC part 15.247 & RSS-247.

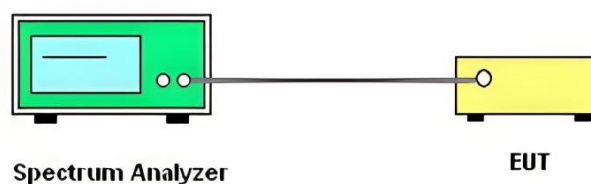
For frequency hopping systems operating in the 902-928 MHz band: 1W(30dBm) for systems employing at least 50 hopping channels; 0.25W(24dBm) for systems employing less than 50 hopping channels and at least 25 hopping channels, as permitted under paragraph (b)(2) of this section.

3.2. Test Procedure

This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. The hopping shall be disabled for this test:

- a) Use the following spectrum analyzer settings:
 - 1) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.
 - 2) RBW > 20 dB bandwidth of the emission being measured.
 - 3) VBW >= RBW.
 - 4) Sweep: Auto.
 - 5) Detector function: Peak.
 - 6) Trace: Max hold.
- b) Allow trace to stabilize.
- c) Use the marker-to-peak function to set the marker to the peak of the emission.
- d) The indicated level is the peak output power, after any corrections for external attenuators and cables.
- e) A plot of the test results and setup description shall be included in the test report.

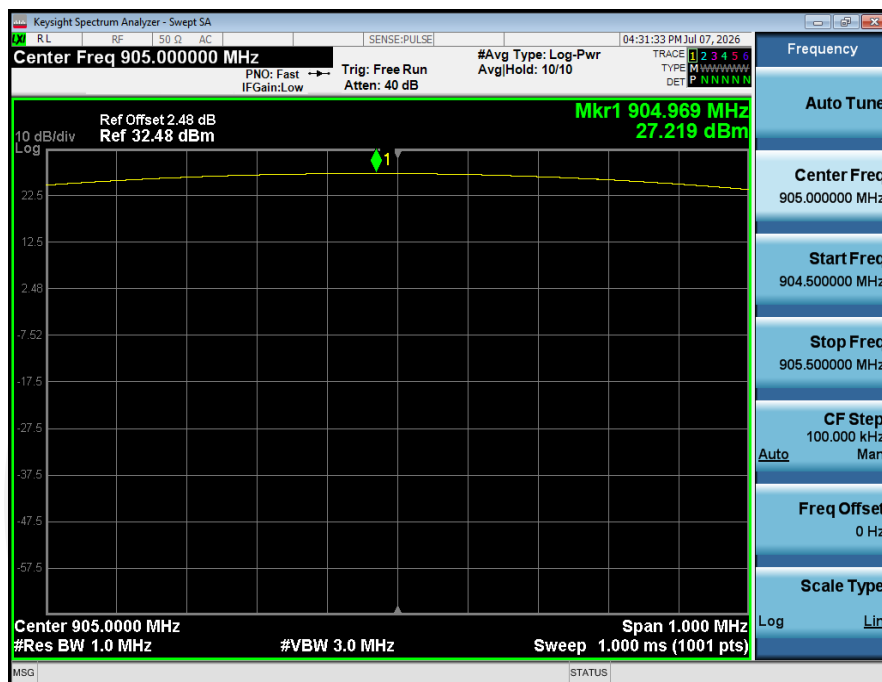
3.3. Test Setup



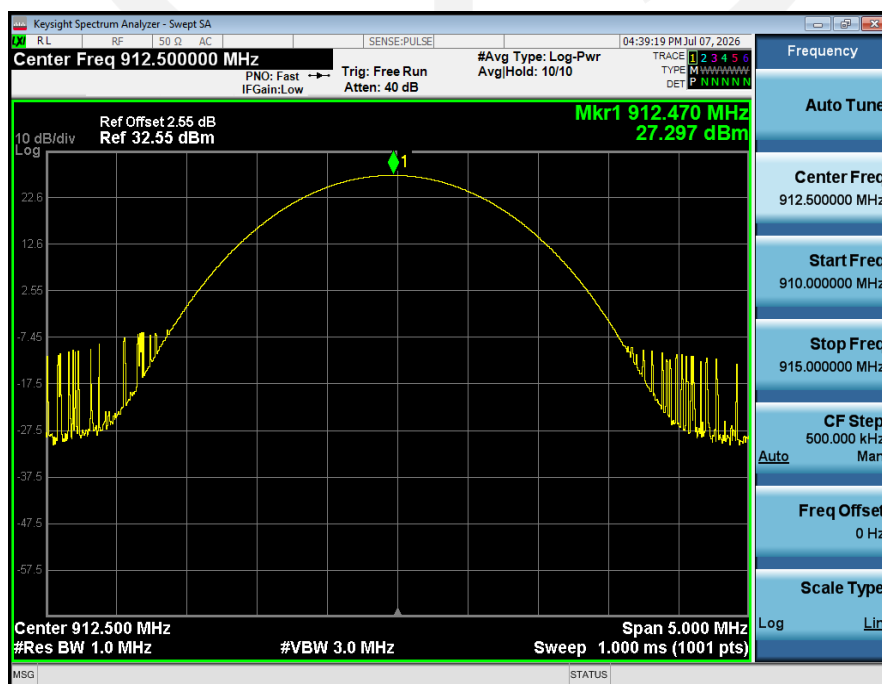
3.4. Test Result

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Limit(dBm)	Result
NVNT	ANT1	GFSK	905.0	27.22	30	Pass
NVNT	ANT1	GFSK	912.5	27.30	30	Pass
NVNT	ANT1	GFSK	920.0	27.05	30	Pass

Peak_Output_Power_NVNT_ANT1_User_905_00



Peak_Output_Power_NVNT_ANT1_User_912_50



4. Out-of-band Emissions

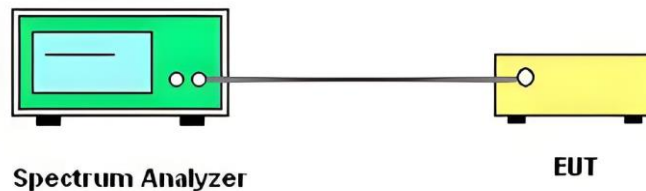
4.1. Test Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in FCC Part 15.209(a) is not required.

4.2. Test Procedure

Conducted spurious emissions shall be measured for the transmit frequency, per 5.5 and 5.6, and at the maximum transmit powers. Connect the primary antenna port through an attenuator to the spectrum analyzer input; in the results, account for all losses between the unlicensed wireless device output and the spectrum analyzer. The instrument shall span 30 MHz to 10 times the operating frequency in GHz, with a resolution bandwidth of 100 kHz, video bandwidth of 300 kHz, and a coupled sweep time with a peak detector. The band 30 MHz to the highest frequency may be split into smaller spans, as long as the entire spectrum is covered.

4.3. Test Setup



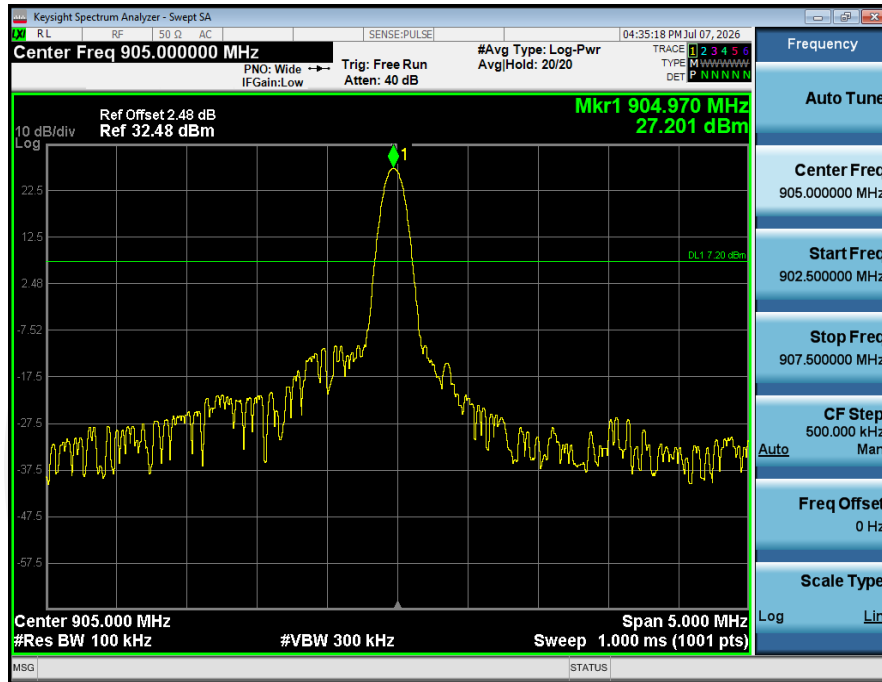
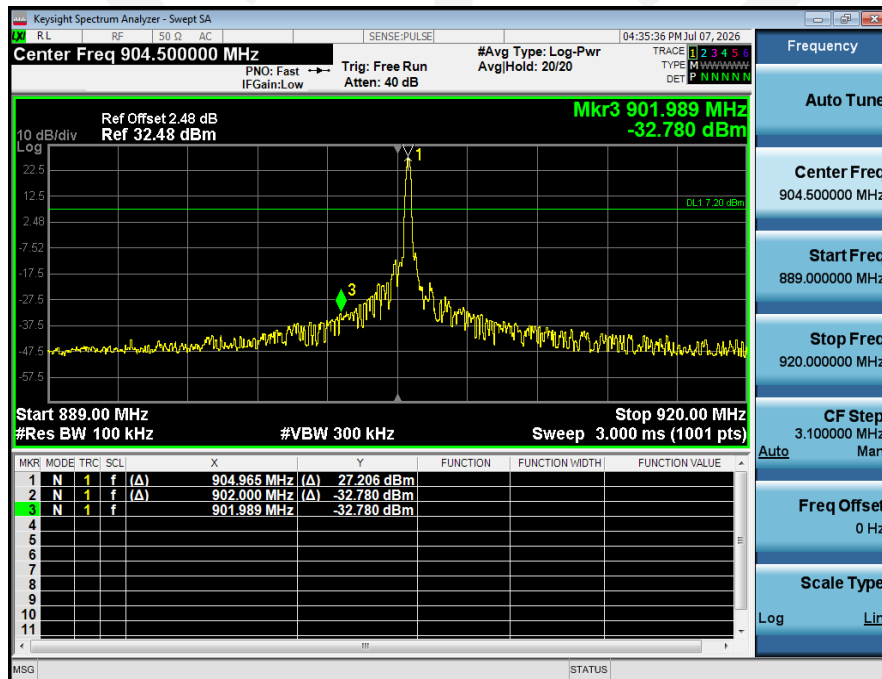
4.4. Test Results

PASS.

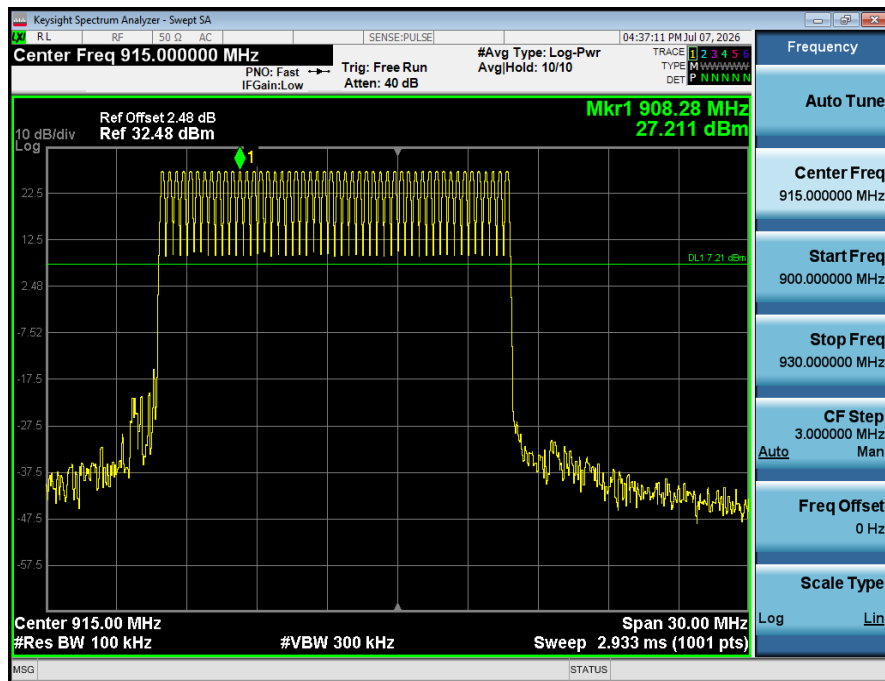
The test results are listed in next pages.

Band Edge: Pass

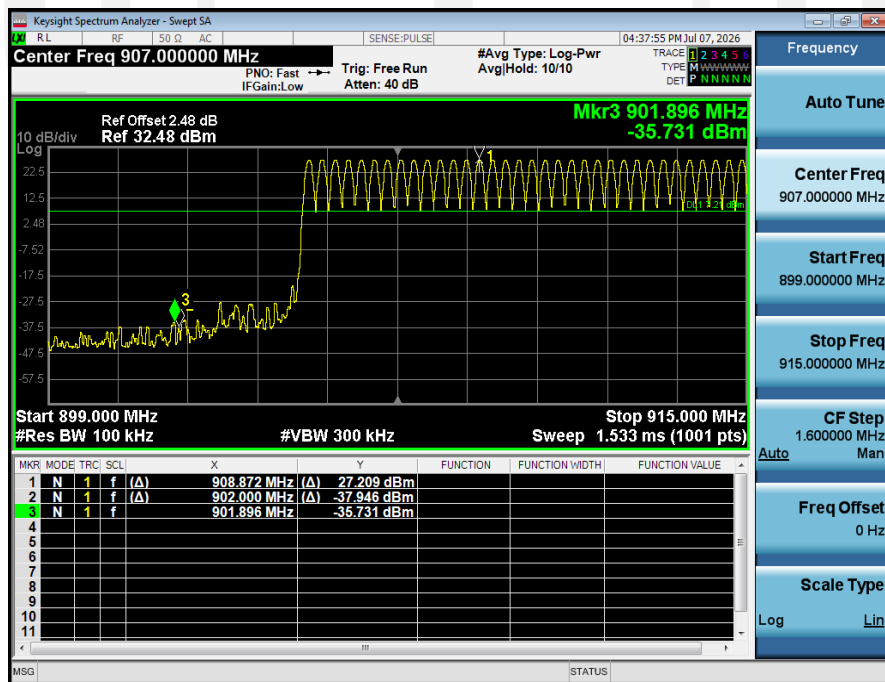
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value (dBm)	Limit(dBm)	Result
NVNT	ANT1	GFSK	905.00	27.201	-32.780	7.201	Pass
NVNT	ANT1	GFSK	Hopping_LCH	27.211	-35.731	7.211	Pass
NVNT	ANT1	GFSK	920.00	27.047	-42.325	7.047	Pass
NVNT	ANT1	GFSK	Hopping_HCH	27.104	-41.169	7.104	Pass

1_Reference_Level_NVNT_ANT1_User_905_00**2_Bandedge_NVNT_ANT1_User_905_00**

1_Reference_Level_Hopping_NVNT_ANT1_User_Hopping



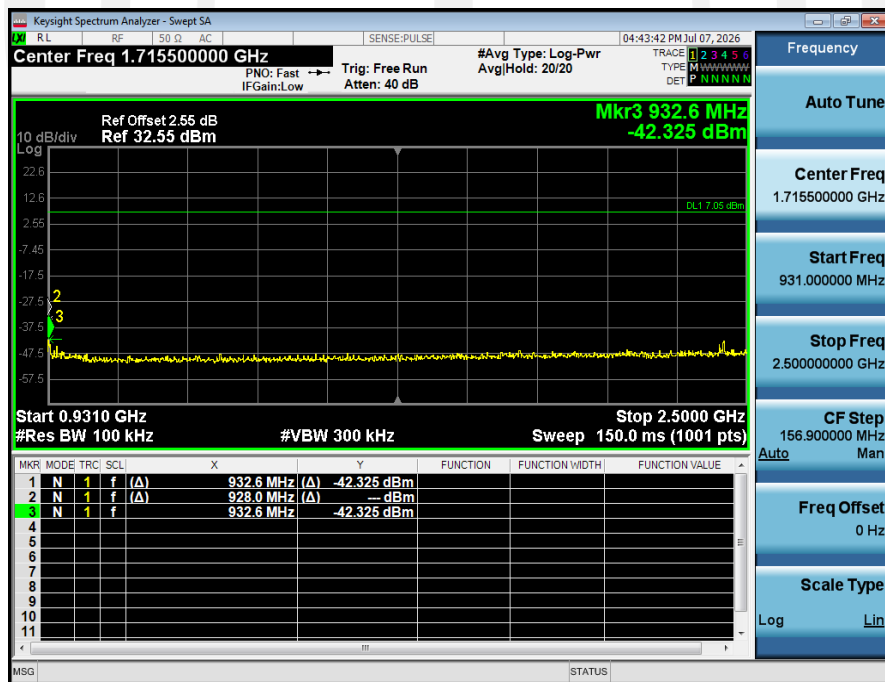
2_Band_Edge_(Hopping)_NVNT_ANT1_User_Hopping



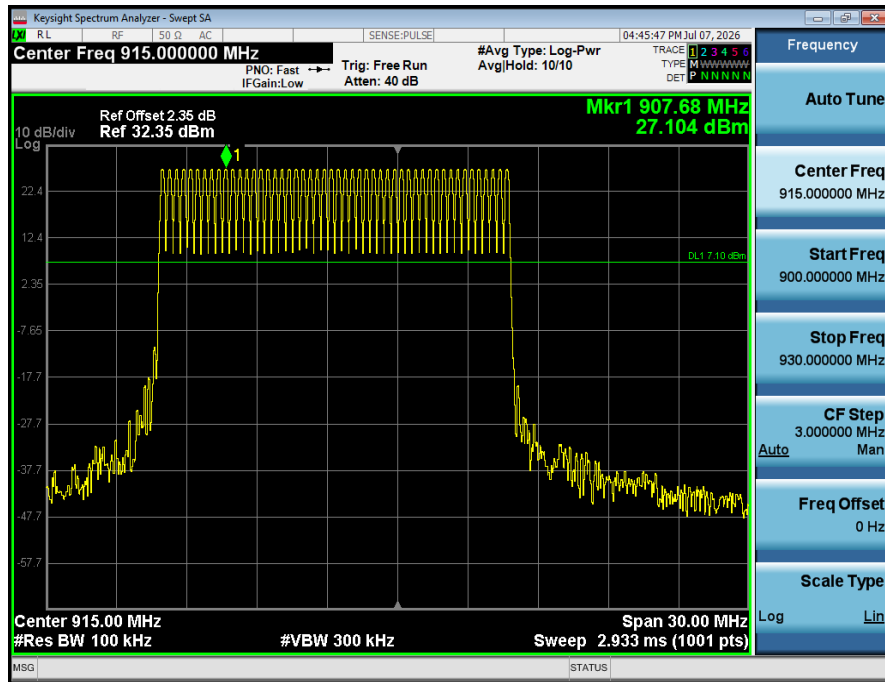
1_Reference_Level_NVNT_ANT1_User_920_00



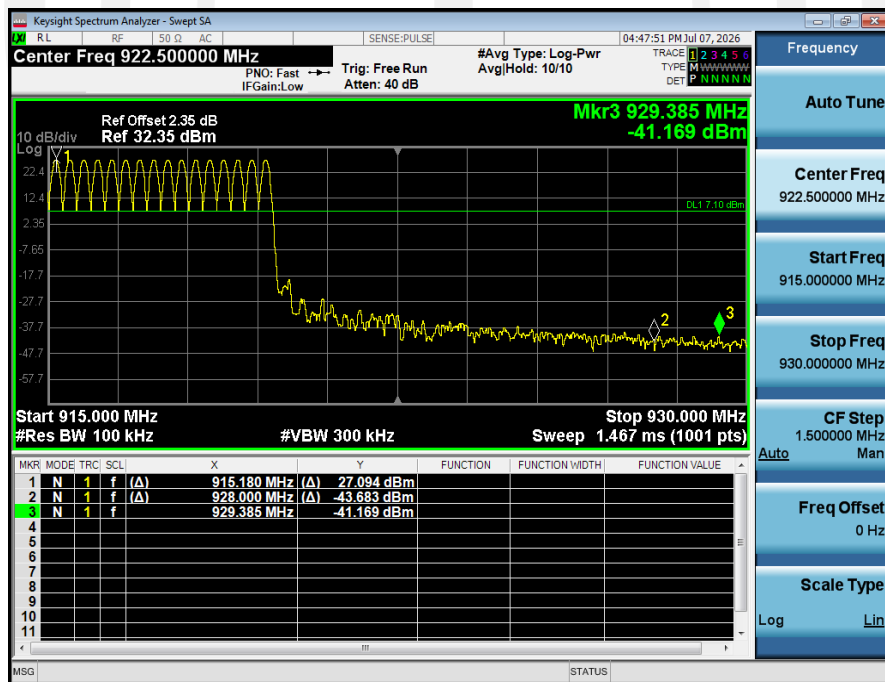
2_Bandedge_NVNT_ANT1_User_914_00



1_Reference_Level_Hopping_NVNT_ANT1_User_Hopping

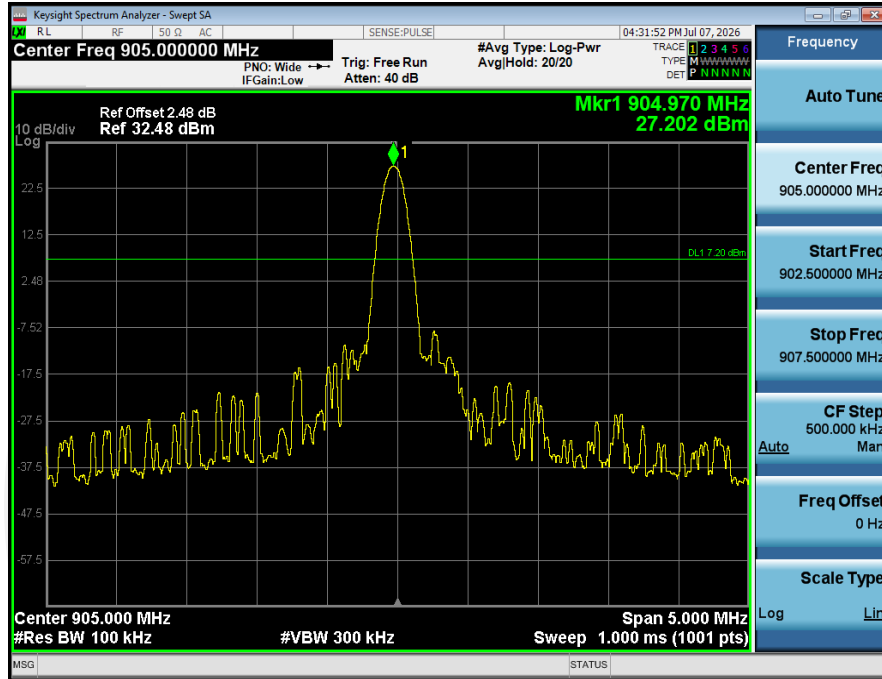
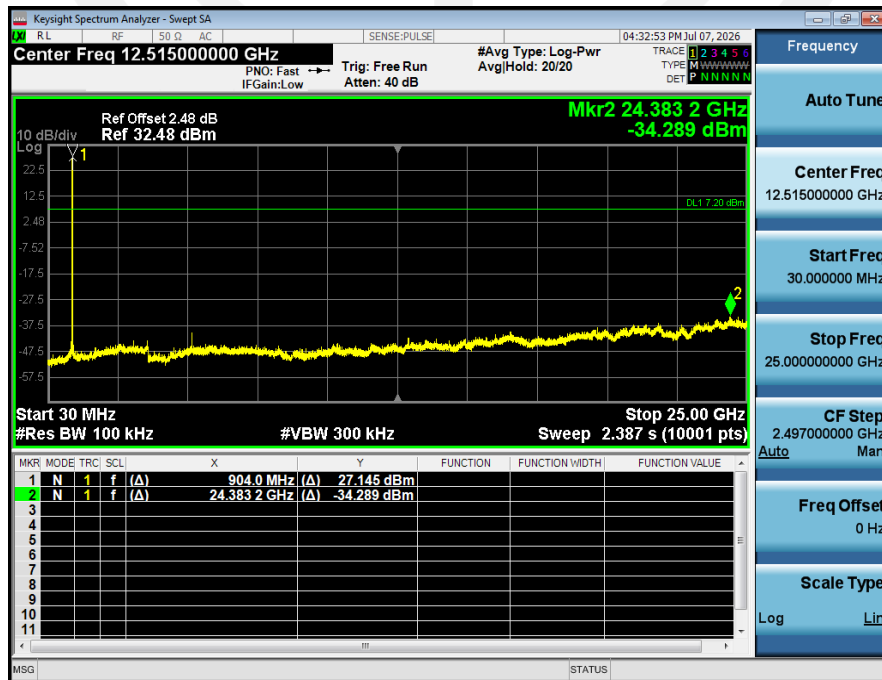


2_Band_Edge_(Hopping)_NVNT_ANT1_User_Hopping

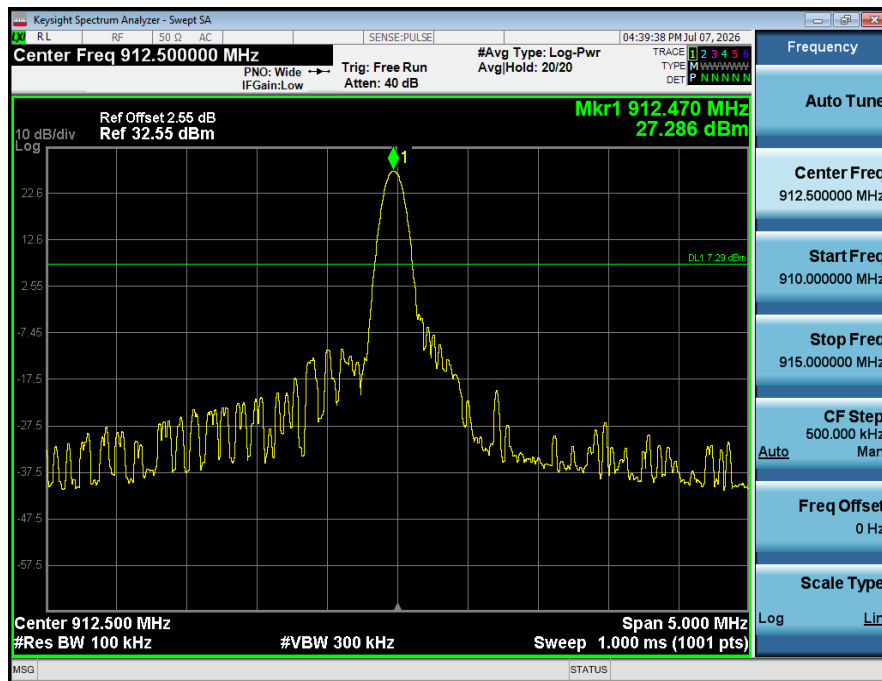


Conducted spurious emission: Pass

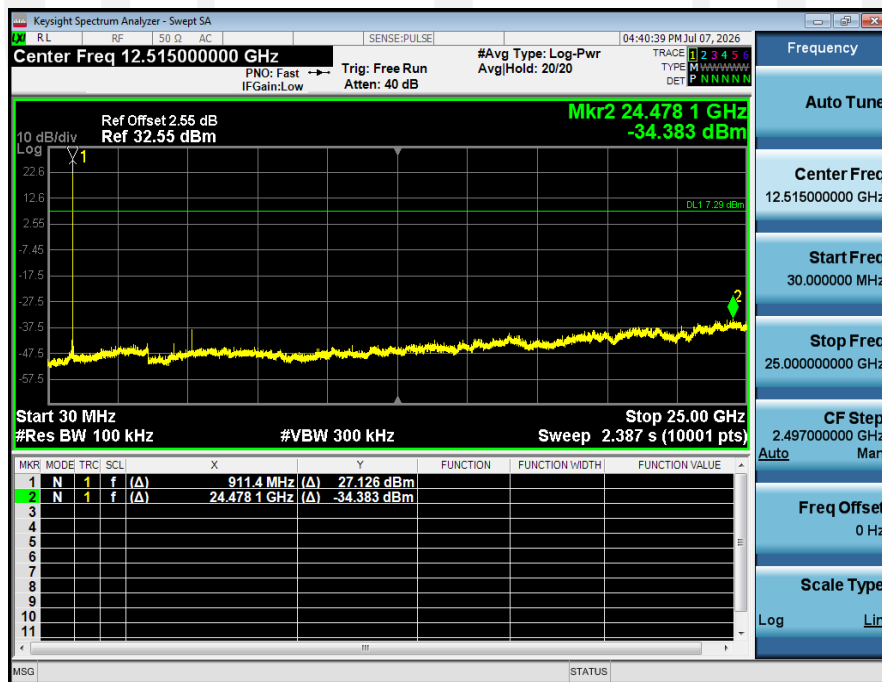
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit(dBm)	Result
NVNT	ANT1	User	905.00	27.202	-34.289	7.202	Pass
NVNT	ANT1	User	912.50	27.286	-34.383	7.286	Pass
NVNT	ANT1	User	920.00	27.047	-34.242	7.047	Pass

1_Reference_Level_NVNT_ANT1_User_905_00**2_Spurious_Emissions_NVNT_ANT1_User_905_00**

1_Reference_Level_NVNT_ANT1_User_912_50



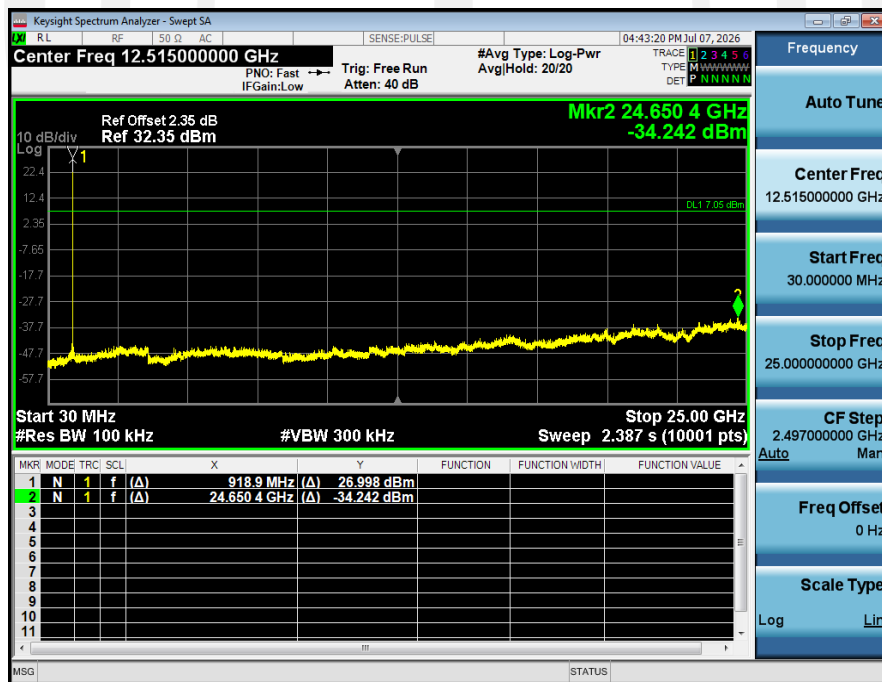
2_Spurious_Emissions_NVNT_ANT1_User_912_50



1_Reference_Level_NVNT_ANT1_User_920_00



2_Spurious_Emissions_NVNT_ANT1_User_920_00



5. Spurious Emission

5.1. Test Limits

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100 **	3
88-216	150 **	3
216-960	200 **	3
Above 960	500	3

Note: The peak limit is 20 dB higher than the average limit

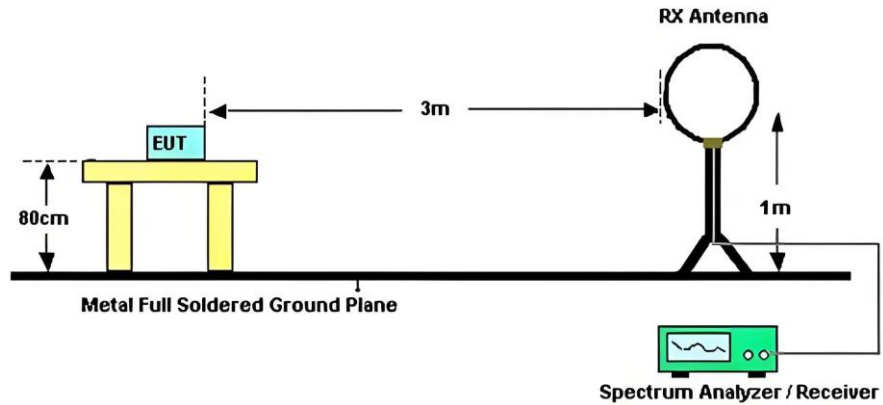
All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

15.205 Restricted frequency band

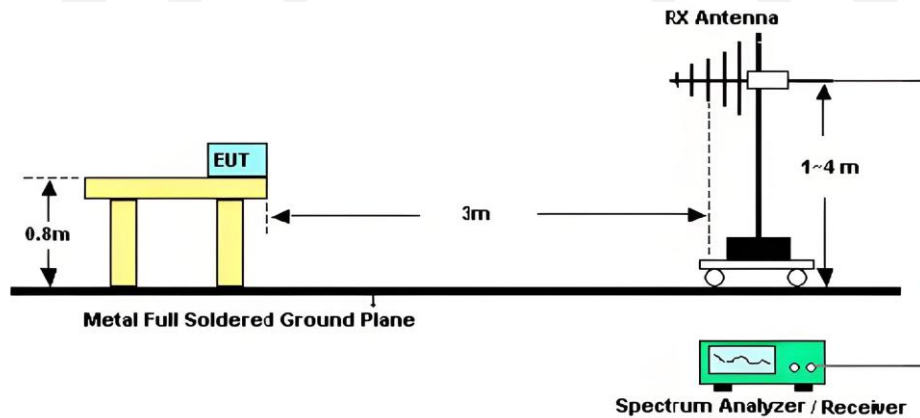
MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)

5.2. Block Diagram of Test setup

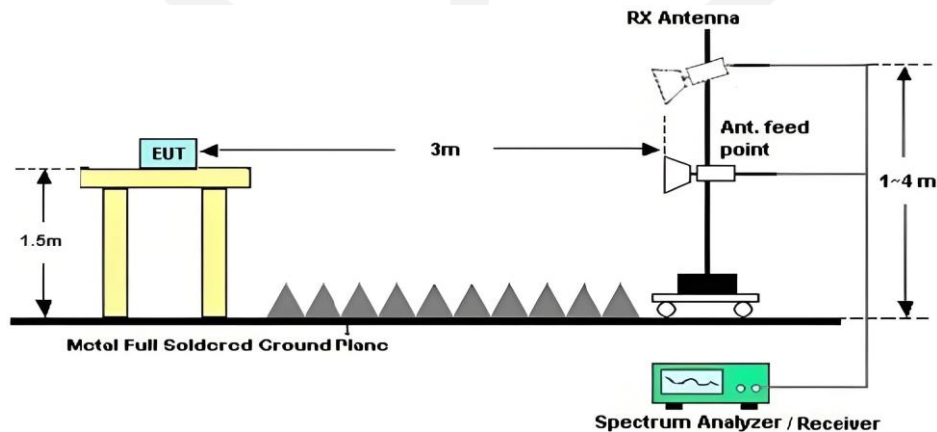
a. In 3m Anechoic Chamber Test Setup Diagram for below 30MHz



b. In 3m Anechoic Chamber Test Setup Diagram for below 1GHz



c. In 3m Anechoic Chamber Test Setup Diagram for frequency above 1GHz



5.3. Test Procedure

(1) The test equipment is placed on a non-metallic tabletop. For false radiation emission tests below 1G, the distance between the equipment and the ground surface is 80 cm; for false radiation emission tests above 1G, the distance is 1.5 meters. The equipment is situated within a semi-anechoic chamber.

(2) Setup EUT and simulator

(3) Test antenna was located 3m from the EUT on an adjustable mast. Below pre-scan procedure was first performed in order to find prominent radiated emissions.

(a) Change work frequency or channel of device if practicable.

(b) Change modulation type of device if practicable.

(c) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions

(4) Spectrum frequency from 9KHz to 25GHz (tenth harmonic of fundamental frequency) was investigated

(5) For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 on Radiated Emission test.

(6) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz, VBW is set at 3MHz for Peak measure; RBW is set at 1MHz, VBW is set at 10Hz for Average measure.

Test setup information:

9KHz~150KHz	RBW 200Hz	VBW 1KHz
150KHz~30MHz	RBW 9KHz	VBW 30KHz
30MHz~1GHz	RBW 120KHz	VBW 300KHz
Above1GHz	RBW 1MHz	VBW 3MHz

5.4. Test Results

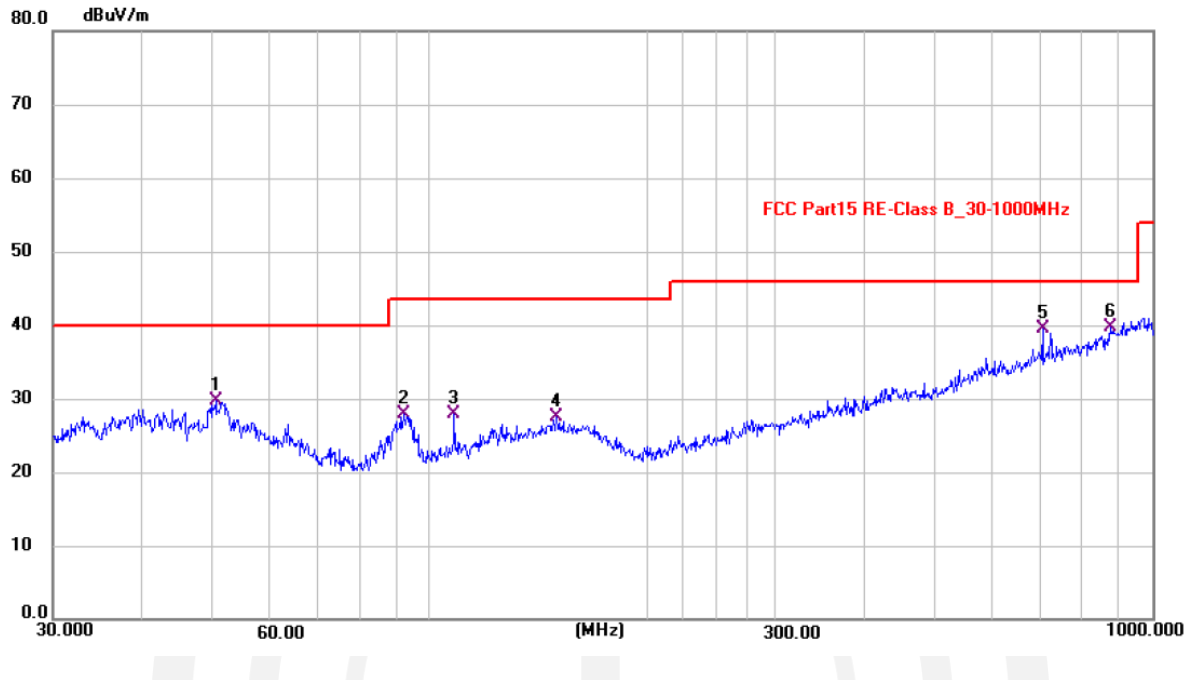
We have scanned from 9kHz to the 10th harmonic of the EUT's highest frequency.

Detailed information please see the following page.

From 9KHz to 30MHz:	
Test Date : 2026.07.14	Temperature : 26°C
Test Engineer : Felix Pang	Humidity : 54%
Test Mode : GFSK mode	
Test Voltage : AC 120V/60Hz	
Test Results : PASS	
Note:	The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

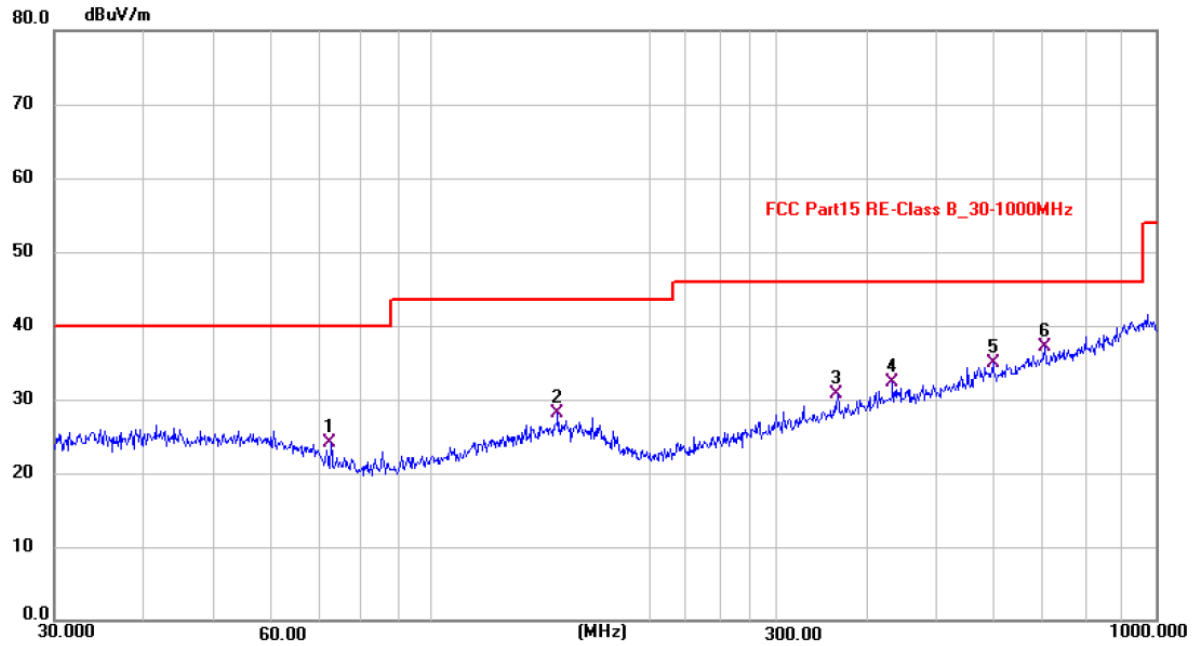
From 30MHz to 1000MHz:	
Test Date : 2026.07.14	Temperature : 26°C
Test Engineer : Felix Pang	Humidity : 54%
Test Mode : GFSK mode	
Test Voltage : AC 120V/60Hz	
Test Results : PASS	
Note:	1. The test results are listed in next pages. 2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. 3. All modes have been tested, and only worst data of GFSK mode, Channel 905MHz was listed in this report.

TagLINK Bridge
Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	50.4752	15.94	13.72	29.66	40.00	-10.34	QP
2	91.8565	17.43	10.39	27.82	43.50	-15.68	QP
3	108.0297	16.14	11.80	27.94	43.50	-15.56	QP
4	149.8794	12.33	15.21	27.54	43.50	-15.96	QP
5	705.7711	15.54	23.89	39.43	46.00	-6.57	QP
6 *	876.3986	13.79	26.00	39.79	46.00	-6.21	QP

Note: Level = Reading + Factor Margin = Level - Limit

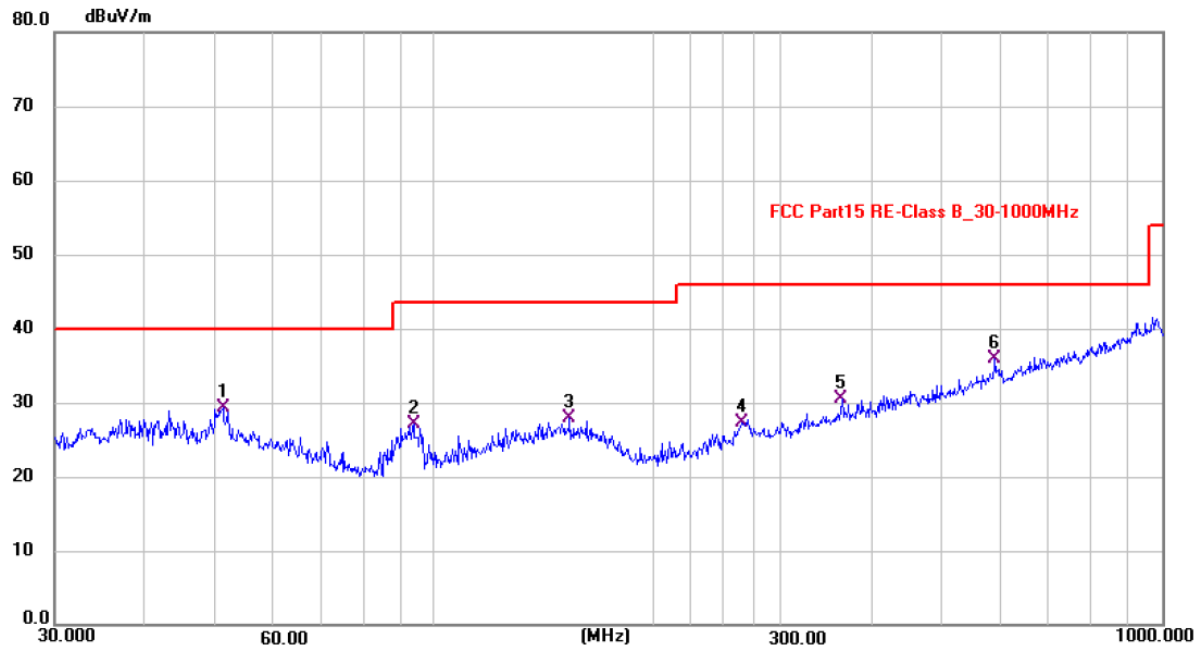
Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	72.5279	13.14	11.01	24.15	40.00	-15.85	QP
2	149.3547	12.90	15.17	28.07	43.50	-15.43	QP
3	364.0999	13.76	16.85	30.61	46.00	-15.39	QP
4	432.9250	13.63	18.67	32.30	46.00	-13.70	QP
5	595.3938	12.97	21.97	34.94	46.00	-11.06	QP
6 *	703.6090	13.33	23.86	37.19	46.00	-8.81	QP

Note: Level = Reading + Factor Margin = Level - Limit

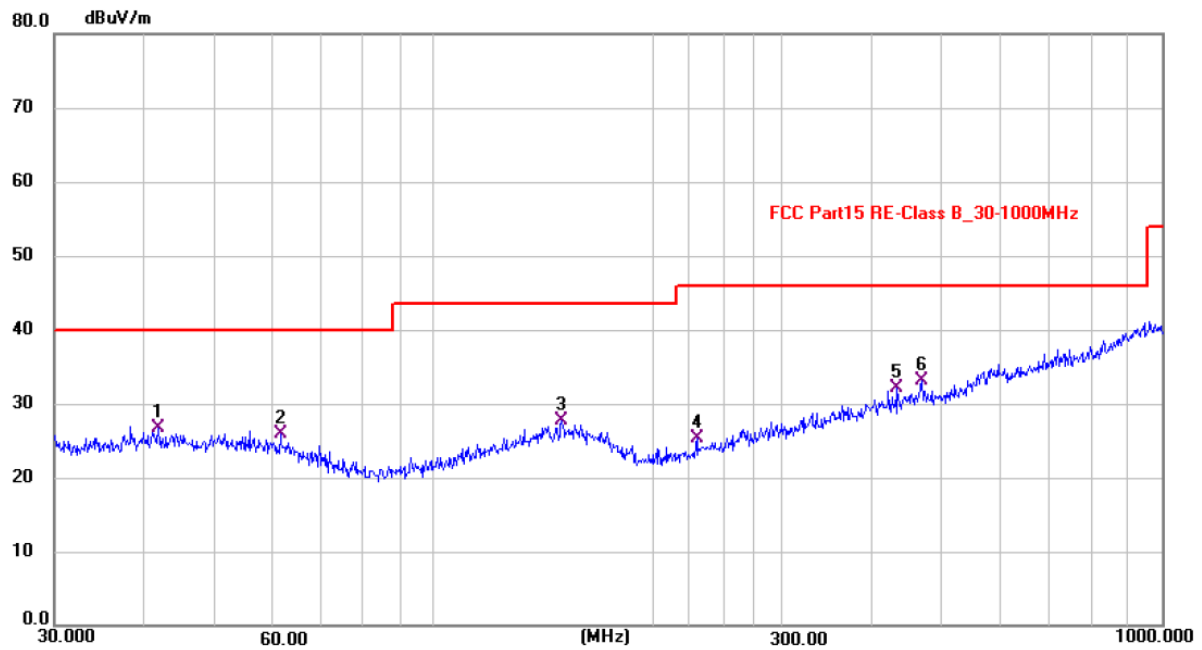
TagLINK Bridge Slim

Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	51.2780	15.70	13.67	29.37	40.00	-10.63	QP
2	93.7274	16.53	10.52	27.05	43.50	-16.45	QP
3	153.5365	12.71	15.20	27.91	43.50	-15.59	QP
4	265.6757	13.31	13.96	27.27	46.00	-18.73	QP
5	364.0999	13.65	16.85	30.50	46.00	-15.50	QP
6 *	589.1633	14.02	21.84	35.86	46.00	-10.14	QP

Note: Level = Reading + Factor Margin = Level - Limit

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	41.8596	12.55	14.14	26.69	40.00	-13.31	QP
2	61.5348	13.01	12.96	25.97	40.00	-14.03	QP
3	149.6168	12.49	15.19	27.68	43.50	-15.82	QP
4	229.6954	12.60	12.76	25.36	46.00	-20.64	QP
5	432.5457	13.46	18.65	32.11	46.00	-13.89	QP
6 *	468.0549	13.74	19.34	33.08	46.00	-12.92	QP

Note: Level = Reading + Factor Margin = Level - Limit

From 1GHz to 25GHz:	
Test Date : 2026.07.14	Temperature : 26℃
Test Engineer : Felix Pang	Humidity : 54%
Test Mode : GFSK mode	
Test Voltage : AC 120V/60Hz	
Test Results : PASS	
Note:	1. The test results are listed in next pages. 2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. 3. If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.

TagLINK Bridge

Test Mode : GFSK TX Low CH01								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	1810	V	60.35	-13.25	47.10	74.00	-26.90	Peak
2	1810	V	49.89	-13.25	36.64	54.00	-17.36	Avg
3	2715	--	--	--	--	--	--	--
4	5430	--	--	--	--	--	--	--
5	1810	H	58.01	-13.25	44.76	74.00	-29.24	Peak
6	1810	H	45.92	-13.25	32.67	54.00	-21.33	Avg
7	2715	--	--	--	--	--	--	--
8	5430	--	--	--	--	--	--	--
Test Mode : GFSK TX Mid CH25								
1	1825	V	59.06	-12.98	46.08	74.00	-27.92	Peak
2	1825	V	49.24	-12.98	36.26	54.00	-17.74	Avg
3	2737.5	--	--	--	--	--	--	--
4	5475	--	--	--	--	--	--	--
5	1825	H	55.67	-12.98	42.69	74.00	-31.31	Peak
6	1825	H	46.95	-12.98	33.97	54.00	-20.03	Avg
7	2737.5	--	--	--	--	--	--	--
8	5475	--	--	--	--	--	--	--
Test Mode : GFSK TX High CH50								
1	1840	V	58.54	-12.70	45.84	74.00	-28.16	Peak
2	1840	V	49.65	-12.70	36.95	54.00	-17.05	Avg
3	2760	--	--	--	--	--	--	--
4	5520	--	--	--	--	--	--	--
5	1840	H	57.49	-12.70	44.79	74.00	-29.21	Peak
6	1840	H	45.08	-12.70	32.38	54.00	-21.62	Avg
7	2760	--	--	--	--	--	--	--
8	5520	--	--	--	--	--	--	--
Note:	1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit.							

TagLINK Bridge Slim

Test Mode : GFSK TX Low CH01								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	1810	V	57.14	-13.25	43.89	74.00	-30.11	Peak
2	1810	V	49.87	-13.25	36.62	54.00	-17.38	Avg
3	2715	--	--	--	--	--	--	--
4	5430	--	--	--	--	--	--	--
5	1810	H	56.93	-13.25	43.68	74.00	-30.32	Peak
6	1810	H	45.08	-13.25	31.83	54.00	-22.17	Avg
7	2715	--	--	--	--	--	--	--
8	5430	--	--	--	--	--	--	--
Test Mode : GFSK TX Mid CH25								
1	1825	V	59.31	-12.98	46.33	74.00	-27.67	Peak
2	1825	V	50.17	-12.98	37.19	54.00	-16.81	Avg
3	2737.5	--	--	--	--	--	--	--
4	5475	--	--	--	--	--	--	--
5	1825	H	57.47	-12.98	44.49	74.00	-29.51	Peak
6	1825	H	47.92	-12.98	34.94	54.00	-19.06	Avg
7	2737.5	--	--	--	--	--	--	--
8	5475	--	--	--	--	--	--	--
Test Mode : GFSK TX High CH50								
1	1840	V	58.55	-12.70	45.85	74.00	-28.15	Peak
2	1840	V	48.95	-12.70	36.25	54.00	-17.75	Avg
3	2760	--	--	--	--	--	--	--
4	5520	--	--	--	--	--	--	--
5	1840	H	56.13	-12.70	43.43	74.00	-30.57	Peak
6	1840	H	46.42	-12.70	33.72	54.00	-20.28	Avg
7	2760	--	--	--	--	--	--	--
8	5520	--	--	--	--	--	--	--
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit.								

6. Band Edge Test

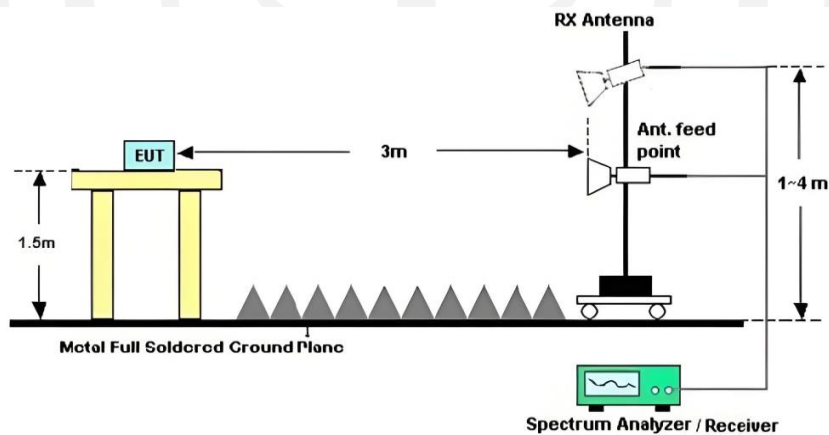
6.1. Test Limit

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)(see § 15.205(c)).

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100 **	3
88-216	150 **	3
216-960	200 **	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241

6.2. Block Diagram of Test Setup



6.3. Test Procedure

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 section 6.10.5.2

All restriction band and non- restriction band have been tested, only worse case is reported.

Details see the KDB558074 D01 Meas Guidance v05r02

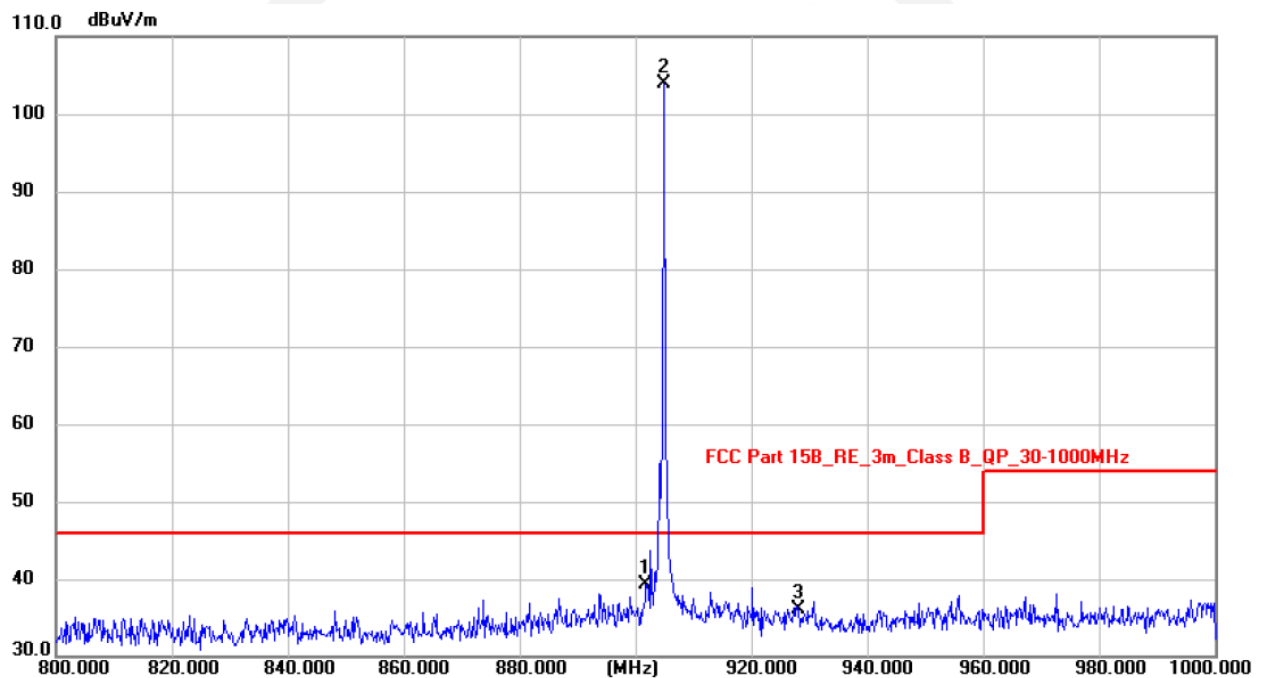
1. Put the EUT on a 1.5m high table, power on the EUT. Emissions were scanned and measured rotating the EUT to 360 degrees, Find the maximum Emission
2. Check the spurious emissions out of band.
3. RBW 1MHz, VBW 3MHz, peak detector for peak value, RBW 1MHz, VBW 10Hz, RMS detector for AV value.

6.4. Test Results

Test Date	: 2026.07.14	Temperature	: 26℃
Test Engineer	: Felix Pang	Humidity	: 54%
Test Results	: PASS		

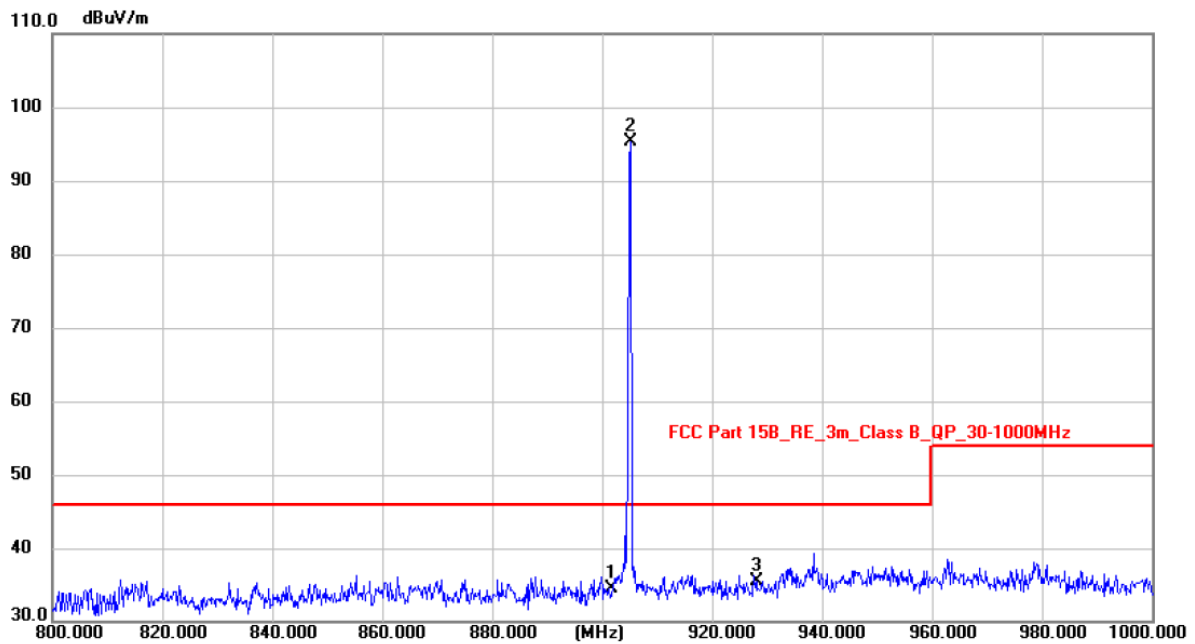
Frequency Range	: 902MHz~928MHz
Model	: TagLINK Bridge
Test Mode	: GFSK TX Low CH01

Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	902.0000	11.23	28.09	39.32	46.00	-6.68	peak
2 *	905.0000	75.80	28.12	103.92	46.00	57.92	peak
3	928.0000	7.67	28.36	36.03	46.00	-9.97	peak

Note: Level = Reading + Factor Margin = Level – Limit

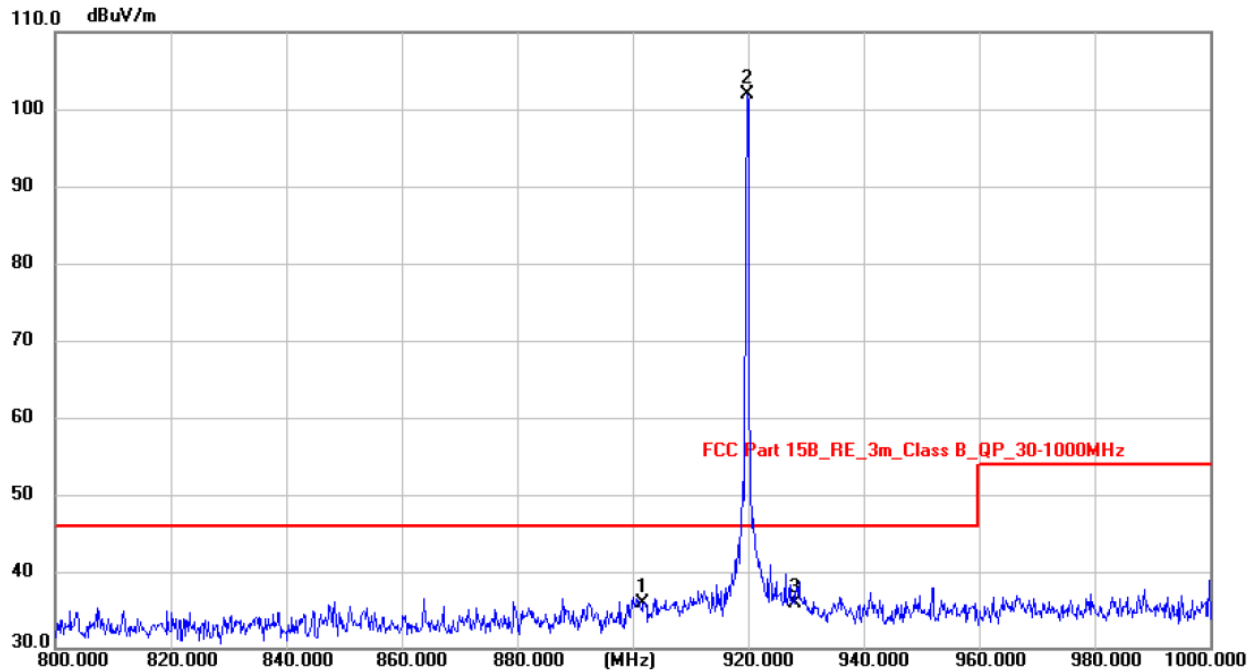
Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	902.0000	6.35	28.09	34.44	46.00	-11.56	peak
2 *	905.2000	67.20	28.12	95.32	46.00	49.32	peak
3	928.0000	7.14	28.36	35.50	46.00	-10.50	peak

Note: Level = Reading + Factor Margin = Level – Limit

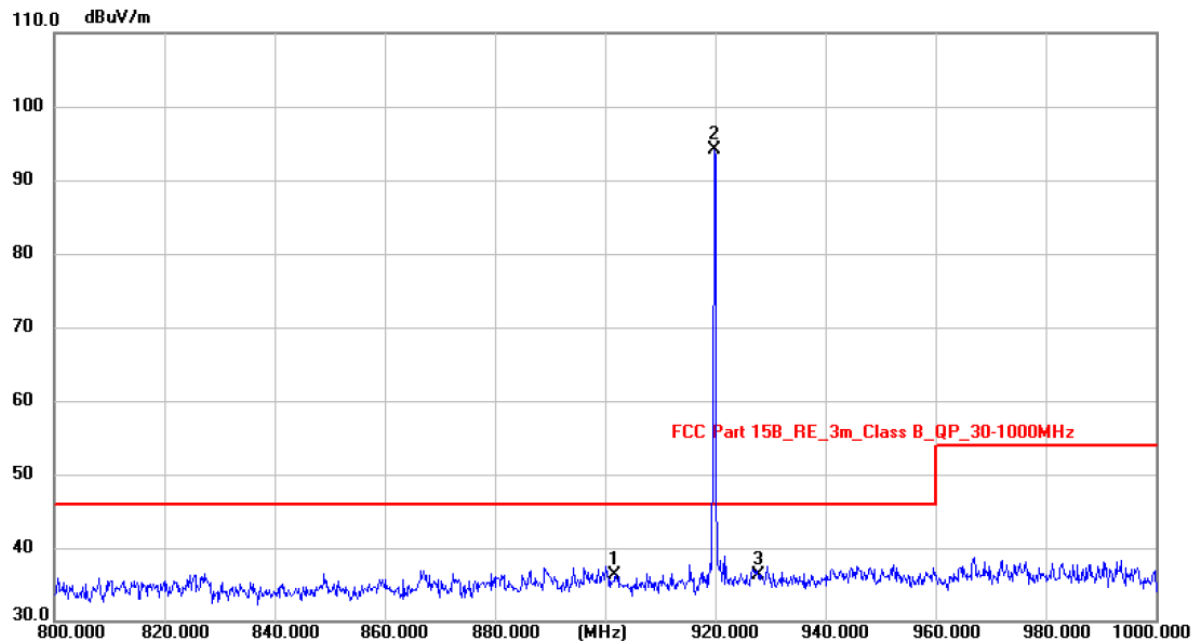
Frequency Range	: 902MHz~928MHz
Model	: TagLINK Bridge
Test Mode	: GFSK TX High CH50

Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	902.0000	7.74	28.09	35.83	46.00	-10.17	peak
2 *	919.9500	73.61	28.28	101.89	46.00	55.89	peak
3	928.0000	7.64	28.36	36.00	46.00	-10.00	peak

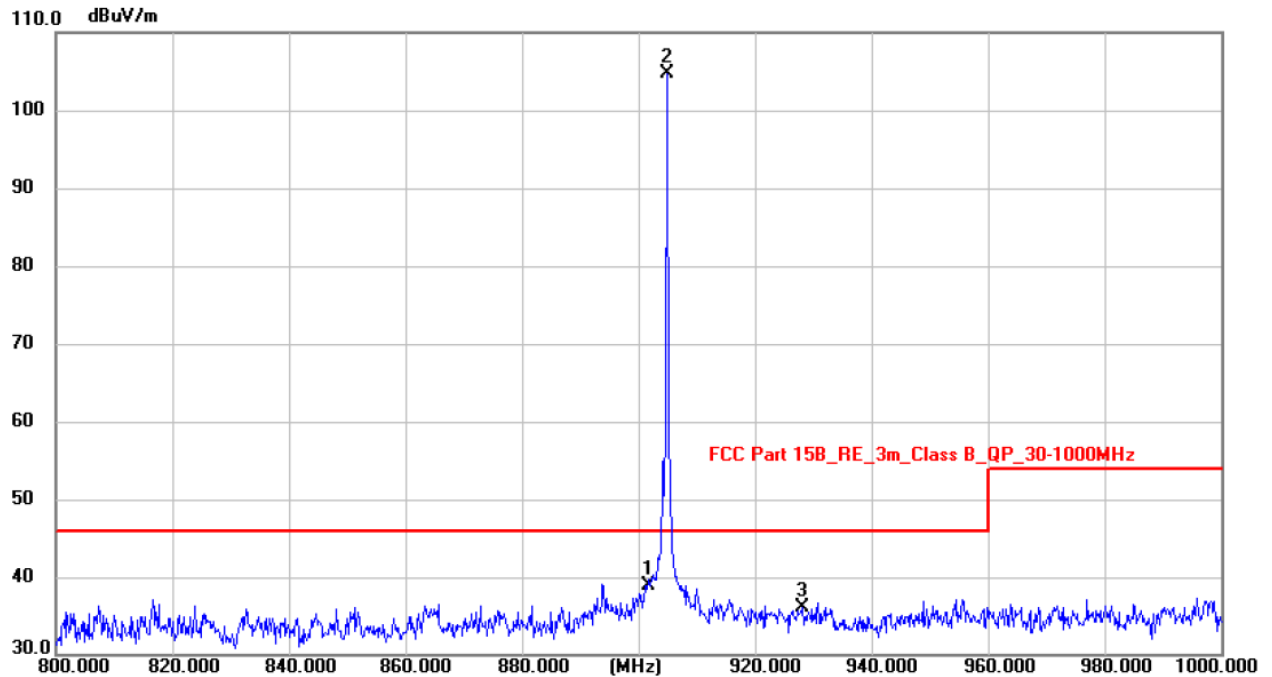
Note: Level = Reading + Factor Margin = Level – Limit

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	902.0000	8.14	28.09	36.23	46.00	-9.77	peak
2 *	919.9500	65.90	28.28	94.18	46.00	48.18	peak
3	928.0000	8.04	28.36	36.40	46.00	-9.60	peak

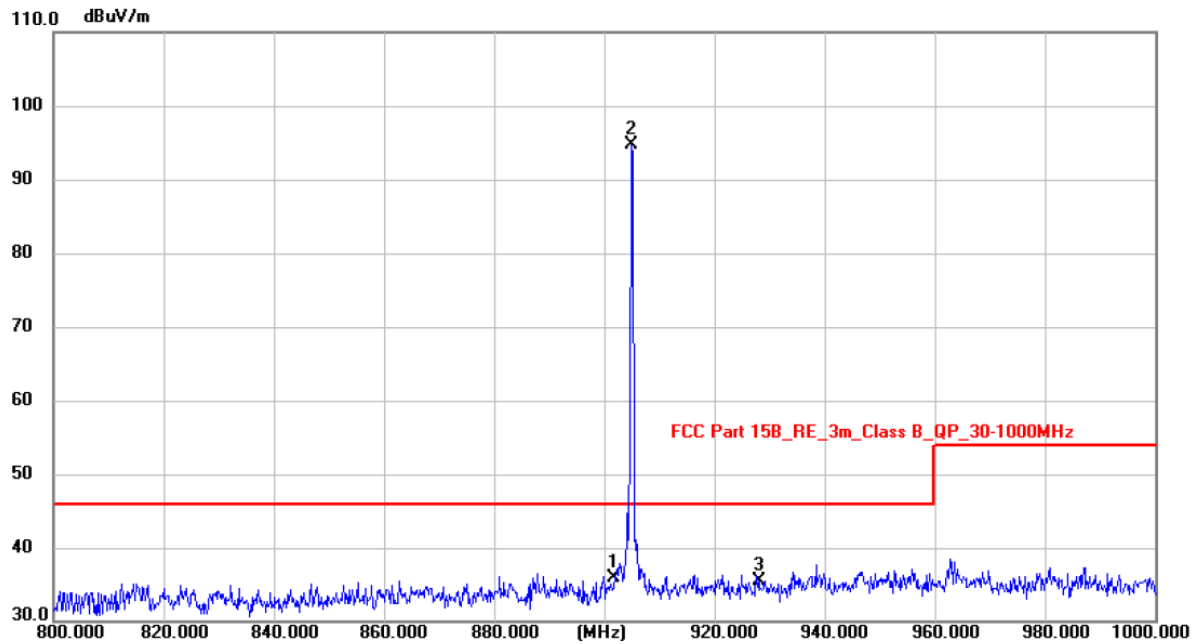
Note: Level = Reading + Factor Margin = Level – Limit

Frequency Range	: 902MHz~928MHz
Model	: TagLINK Bridge Slim
Test Mode	: GFSK TX Low CH01

Polarization: Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	902.0000	10.73	28.09	38.82	46.00	-7.18	peak
2 *	904.9500	76.64	28.12	104.76	46.00	58.76	peak
3	928.0000	7.67	28.36	36.03	46.00	-9.97	peak

Note: Level = Reading + Factor Margin = Level – Limit

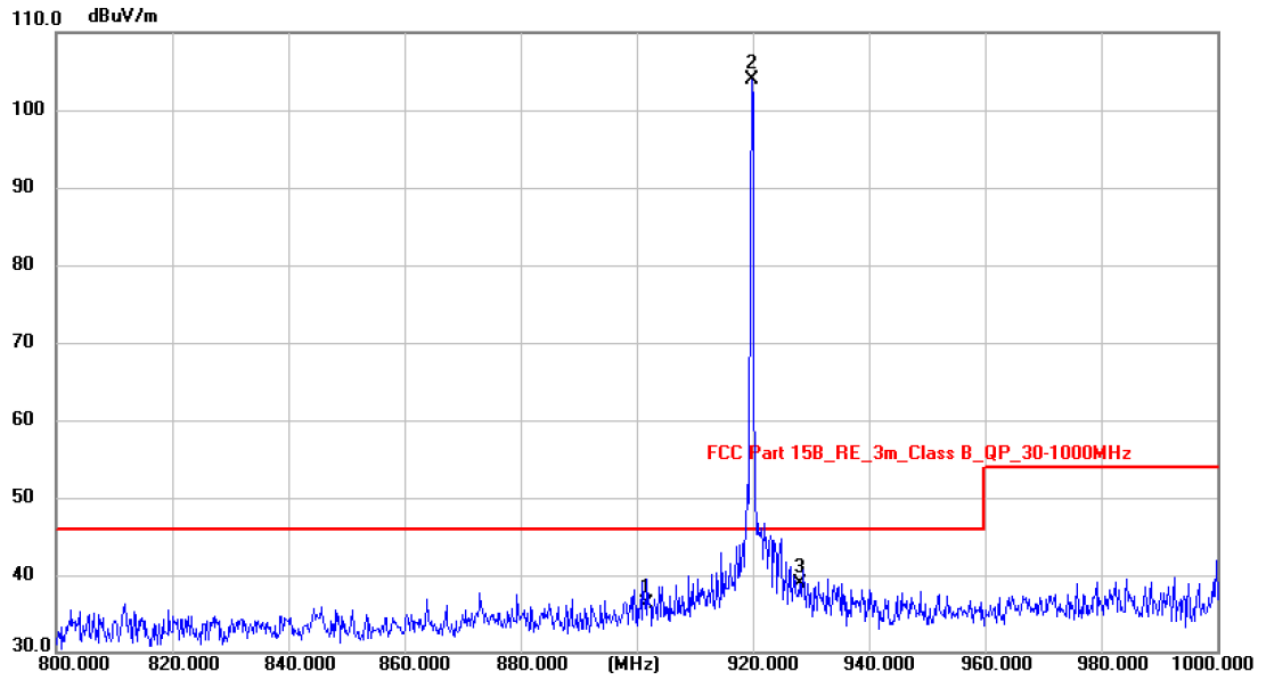
Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	902.0000	7.85	28.09	35.94	46.00	-10.06	peak
2 *	904.9500	66.53	28.12	94.65	46.00	48.65	peak
3	928.0000	7.14	28.36	35.50	46.00	-10.50	peak

Note: Level = Reading + Factor Margin = Level – Limit

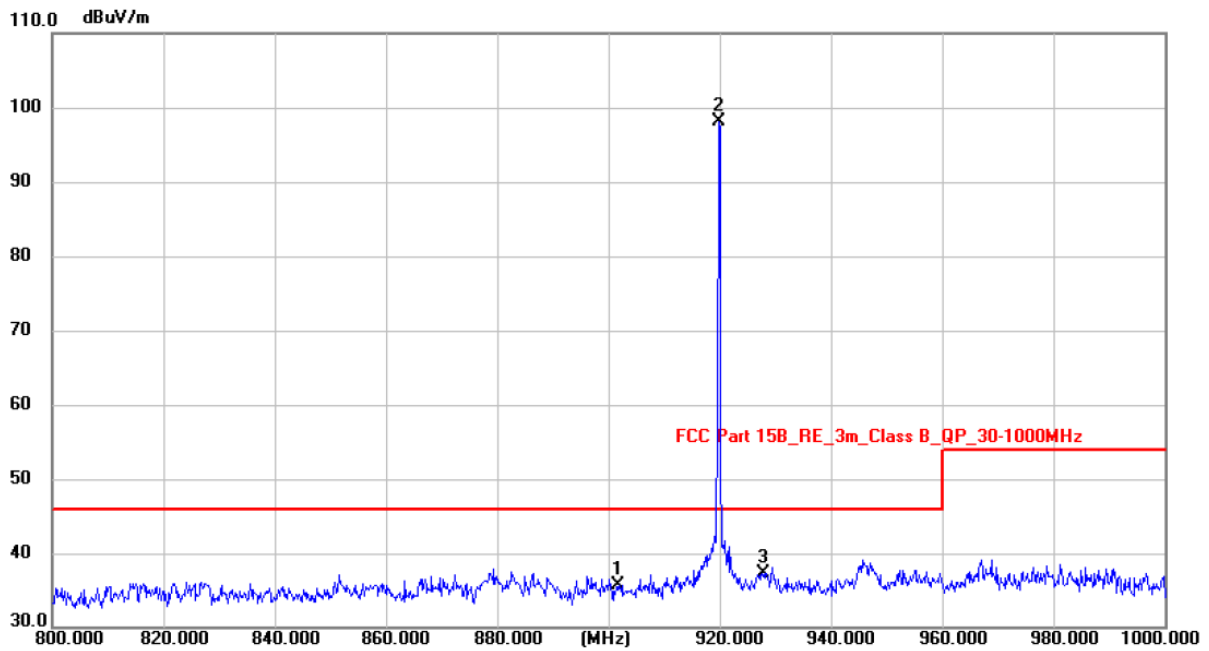
Frequency Range	: 902MHz~928MHz
Model	: TagLINK Bridge Slim
Test Mode	: GFSK TX High CH50

Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	902.0000	8.24	28.09	36.33	46.00	-9.67	peak
2 *	919.9500	75.63	28.28	103.91	46.00	57.91	peak
3	928.0000	10.64	28.36	39.00	46.00	-7.00	peak

Note: Level = Reading + Factor Margin = Level – Limit

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	902.0000	7.64	28.09	35.73	46.00	-10.27	peak
2 *	919.9500	69.90	28.28	98.18	46.00	52.18	peak
3	928.0000	9.04	28.36	37.40	46.00	-8.60	peak

Note: Level = Reading + Factor Margin = Level - Limit

7. Power Line Conducted Emissions

7.1. Test Limits

Frequency (MHz)	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 -0.50	66 -56*	56 - 46*
0.50 -5.00	56	46
5.00 -30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

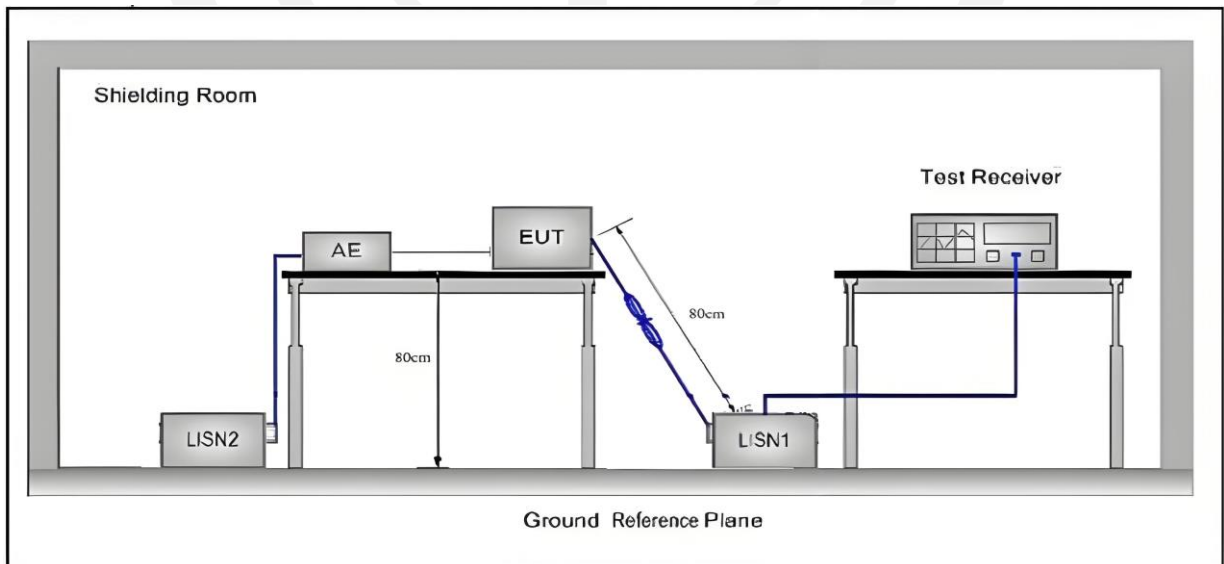
3. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

7.2. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 on Conducted Emission Measurement.

The bandwidth of test receiver is set at 9 kHz.

7.3. Test Setup

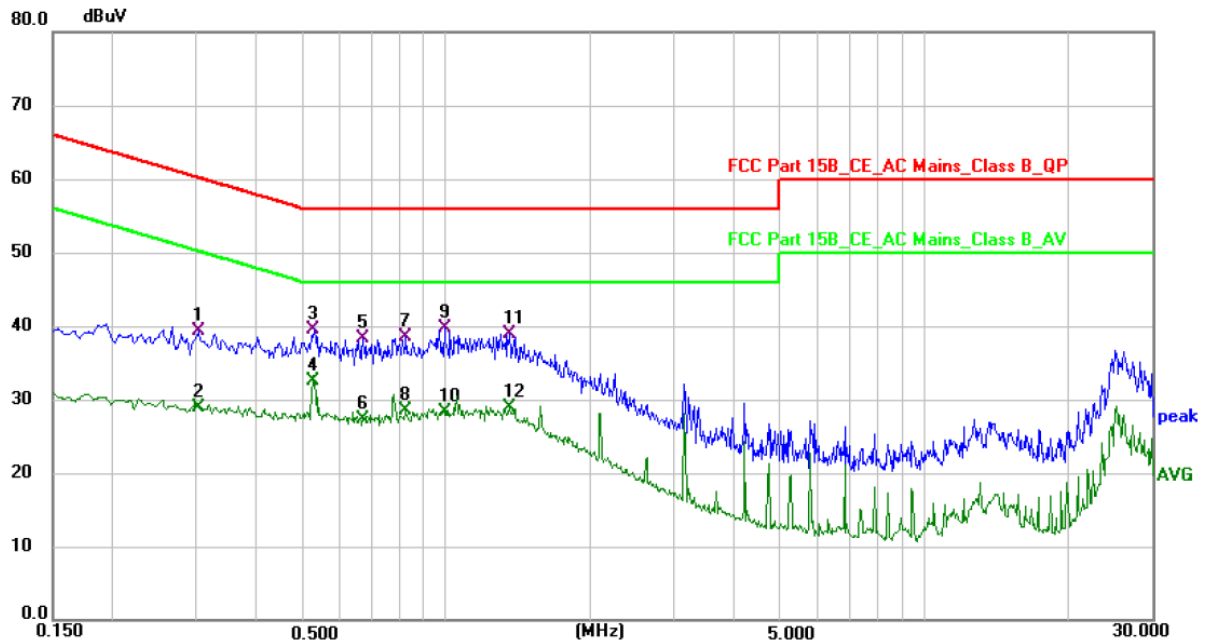


7.4. Test Results

Test Date	: 2026.07.10	Temperature	: 24℃
Test Engineer	: Felix Pang	Humidity	: 56%
Test Mode	: GFSK mode		
Test voltage	: AC 120V/60Hz		
Test Results	: PASS		
Note:	1. The test results are listed in next pages.		
	2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out.		
	3. If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.		
	4. All modes have been tested, and only worst data of RFID mode, Channel 905MHz was listed in this report.		

TagLINK Bridge

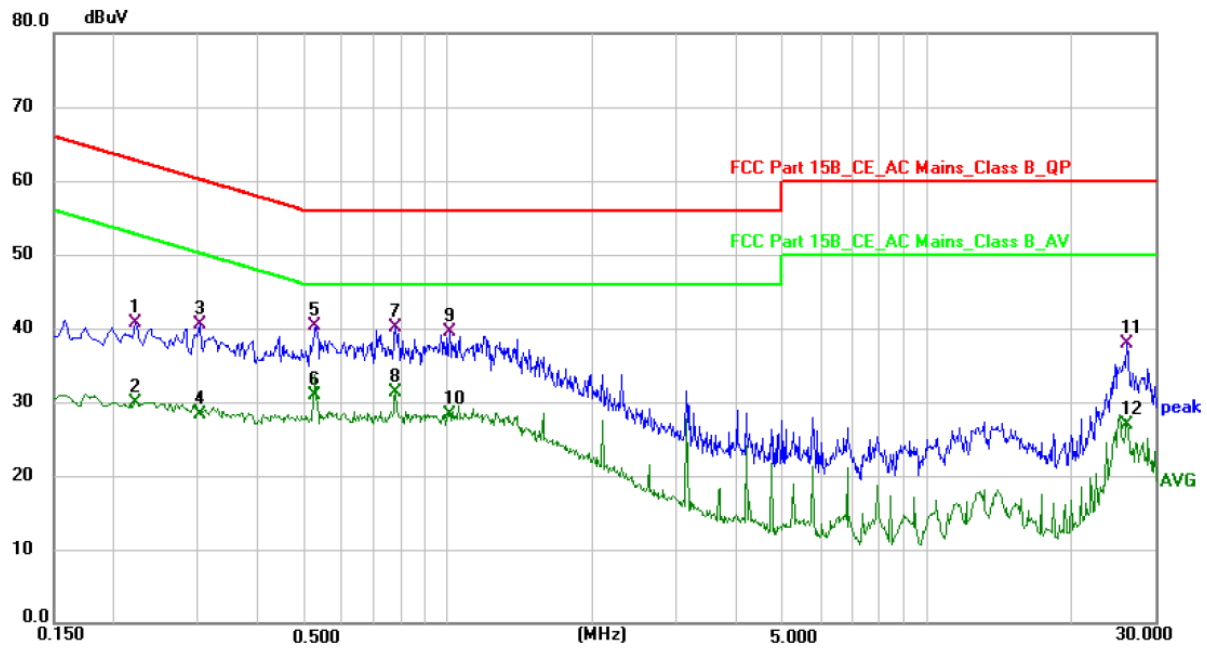
Polarization: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.3020	29.80	9.42	39.22	60.19	-20.97	QP
2	0.3020	19.55	9.42	28.97	50.19	-21.22	AVG
3	0.5299	29.74	9.67	39.41	56.00	-16.59	QP
4 *	0.5299	22.83	9.67	32.50	46.00	-13.50	AVG
5	0.6700	28.81	9.47	38.28	56.00	-17.72	QP
6	0.6700	17.81	9.47	27.28	46.00	-18.72	AVG
7	0.8260	28.97	9.60	38.57	56.00	-17.43	QP
8	0.8260	18.83	9.60	28.43	46.00	-17.57	AVG
9	0.9940	29.96	9.82	39.78	56.00	-16.22	QP
10	0.9940	18.44	9.82	28.26	46.00	-17.74	AVG
11	1.3580	28.96	9.87	38.83	56.00	-17.17	QP
12	1.3580	19.00	9.87	28.87	46.00	-17.13	AVG

Note: Level = Reading + Factor, Margin = Level - Limit

Polarization: N

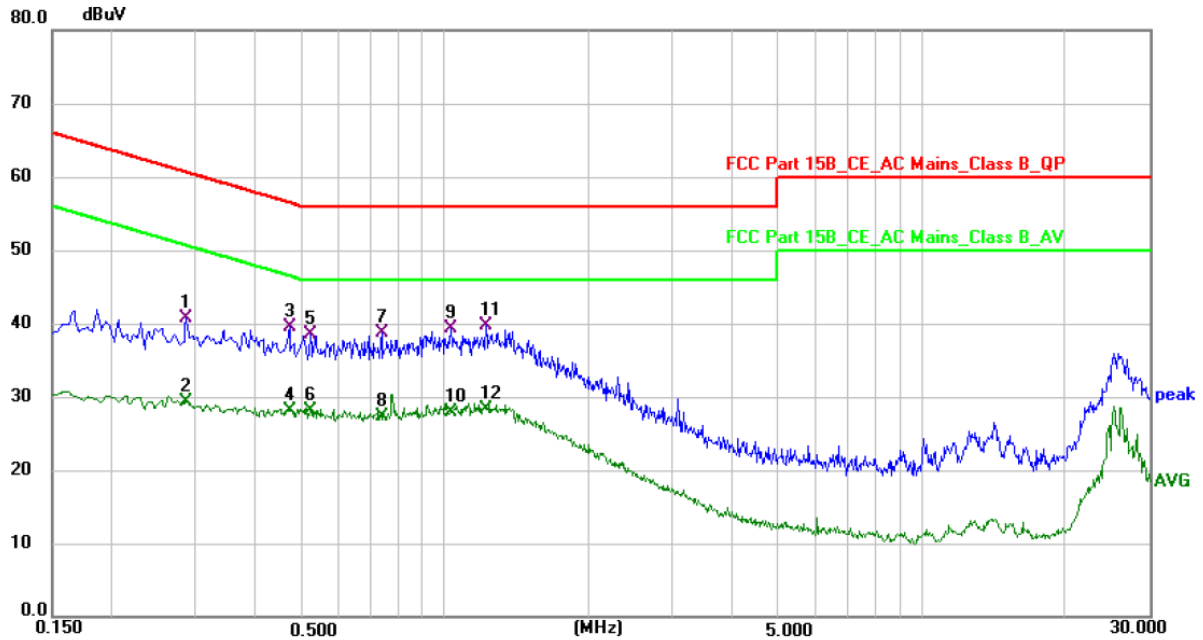


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2220	31.24	9.42	40.66	62.74	-22.08	QP
2	0.2220	20.44	9.42	29.86	52.74	-22.88	AVG
3	0.3020	31.07	9.42	40.49	60.19	-19.70	QP
4	0.3020	18.91	9.42	28.33	50.19	-21.86	AVG
5	0.5299	30.48	9.75	40.23	56.00	-15.77	QP
6	0.5299	21.13	9.75	30.88	46.00	-15.12	AVG
7	0.7780	30.31	9.85	40.16	56.00	-15.84	QP
8 *	0.7780	21.53	9.85	31.38	46.00	-14.62	AVG
9	1.0060	29.93	9.63	39.56	56.00	-16.44	QP
10	1.0060	18.69	9.63	28.32	46.00	-17.68	AVG
11	26.2540	27.87	9.94	37.81	60.00	-22.19	QP
12	26.2540	17.01	9.94	26.95	50.00	-23.05	AVG

Note: Level = Reading + Factor, Margin = Level - Limit

TagLINK Bridge Slim

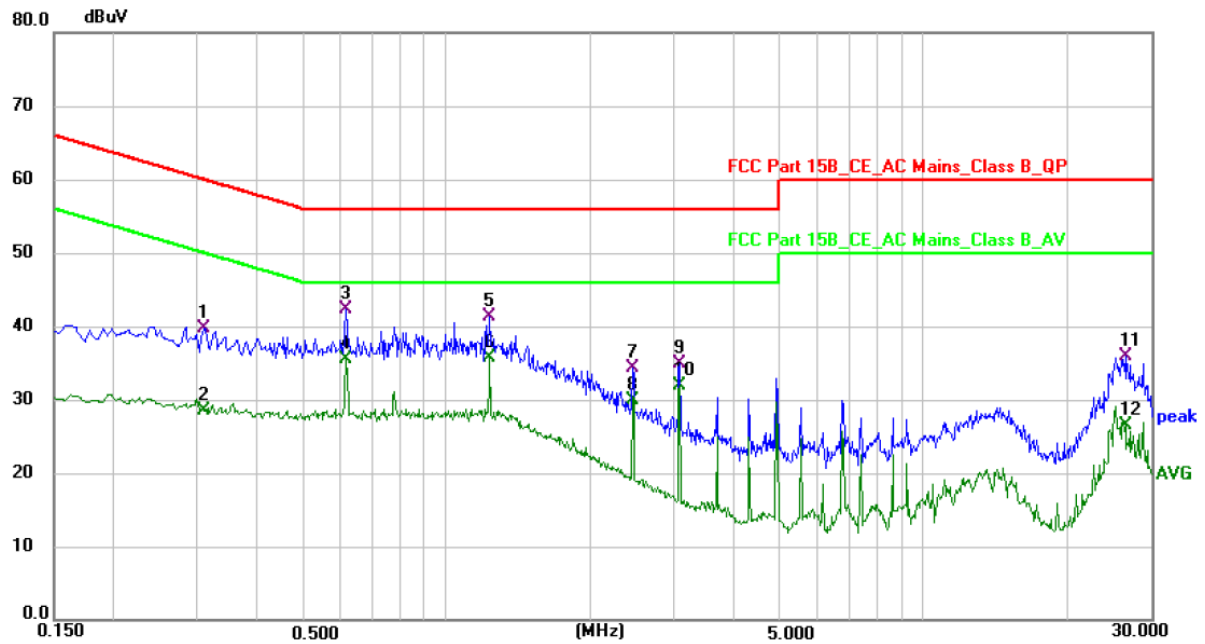
Polarization: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2860	31.28	9.42	40.70	60.64	-19.94	QP
2	0.2860	19.80	9.42	29.22	50.64	-21.42	AVG
3	0.4700	29.83	9.63	39.46	56.51	-17.05	QP
4	0.4700	18.56	9.63	28.19	46.51	-18.32	AVG
5	0.5220	28.84	9.69	38.53	56.00	-17.47	QP
6	0.5220	18.49	9.69	28.18	46.00	-17.82	AVG
7	0.7380	29.21	9.48	38.69	56.00	-17.31	QP
8	0.7380	17.87	9.48	27.35	46.00	-18.65	AVG
9	1.0300	29.49	9.83	39.32	56.00	-16.68	QP
10	1.0300	17.98	9.83	27.81	46.00	-18.19	AVG
11 *	1.2180	29.94	9.85	39.79	56.00	-16.21	QP
12	1.2180	18.53	9.85	28.38	46.00	-17.62	AVG

Note: Level = Reading + Factor, Margin = Level - Limit

Polarization: N



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.3100	30.38	9.42	39.80	59.97	-20.17	QP
2	0.3100	19.09	9.42	28.51	49.97	-21.46	AVG
3	0.6140	32.56	9.84	42.40	56.00	-13.60	QP
4	0.6140	25.75	9.84	35.59	46.00	-10.41	AVG
5	1.2300	31.76	9.58	41.34	56.00	-14.66	QP
6 *	1.2300	26.21	9.58	35.79	46.00	-10.21	AVG
7	2.4580	24.92	9.44	34.36	56.00	-21.64	QP
8	2.4580	20.50	9.44	29.94	46.00	-16.06	AVG
9	3.0740	25.46	9.46	34.92	56.00	-21.08	QP
10	3.0740	22.51	9.46	31.97	46.00	-14.03	AVG
11	26.4300	25.98	9.94	35.92	60.00	-24.08	QP
12	26.4300	16.63	9.94	26.57	50.00	-23.43	AVG

Note: Level = Reading + Factor, Margin = Level - Limit

8. Antenna Requirements

8.1. Limit

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 GFSK, but the use of a standard antenna jack or electrical connector is prohibited.

8.2. Result

The EUT antenna is internal antenna. It complies with the standard requirement.



9. Photos of test setup

Reference to the **psi2602073G1-C01-R06 appendix I Test Setup Photo** for details.

10. Photos of EUT

Reference to the **psi2602073G1-C01-R06 appendix II external photos** and **appendix III internal photos** for details.

----- END OF REPORT-----

