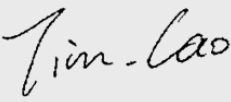




Test report No:

2620133R.702

FCC TEST REPORT

Product Name	PHSM
Model and /or type reference	8
Trademark	CrossBar
FCC ID	2BWCE-PHSM8
Applicant's name / address	CrossBar, Inc. 2055 Laurelwood Road, Suite 230 Santa Clara, CA 95054, USA
Test method requested, standard	47 CFR FCC Part 15 (Section 15.225) ANSI C63.10: 2020
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Tim Cao / Project Manager 
Approved by (name / position & signature)	Frank He/Technical Manager 
Date of issue	2026-07-07
Report Version	V1.0
Report template No	Template_FCC 15.225-RF-V1.0

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COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Feb. 10, 2026
Date (start test)	Mar. 25, 2026
Date (finish test)	Apr. 08, 2026

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
QP	: Quasi-Peak
CAV	: CISPR Average
AV	: Average
CDN	: Coupling Decoupling Network
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
BW	: Bandwidth
AM	: Amplitude Modulation
PM	: Pulse Modulation
HCP	: Horizontal Coupling Plane
VCP	: Vertical Coupling Plane
U_N	: Nominal voltage
T_x	: Transmitter
R_x	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2620133R.702	V1.0	Initial issue of report.	2026-07-07

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with 47 CFR FCC Part 15 (Section 15.225).
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
 - Chapter 1 General Description of the Item(s);

USED EQUIPMENT

Field Strength of Fundamental, E-field Emission/ Field Strength of Spurious/ Frequency Stability/ Emission Bandwidth (9KHz-1GHz) / AC2

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software version
EMI Test Receiver	R&S	ESCI	100573	2026.01.11	2027.01.10	4.42 SP3	N/A
Loop Antenna	R&S	HFH2-Z2E	101149	2025.04.16	2026.04.15	N/A	N/A
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2026.03.24	2027.03.23	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	AC2-TH	2025.06.17	2026.06.16	N/A	N/A
Coaxial Cable	Huber+Suhner	RTS-1909	THM-021	2025.04.30	2026.04.29	N/A	N/A
Anechoic chamber	Quietek	9m*6m*6m	AC2	2024.07.07	2029.07.06	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	3

AC Power Line Conducted Emission / TR1

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date	Firmware Version	Software version
EMI Test Receiver	R&S	ESCI	100726	2025.05.18	2026.05.17	4.42 SP1	N/A
Two-Line V-Network	R&S	ENV 216	101044	2025.10.26	2026.10.25	N/A	N/A
Two-Line V-Network	R&S	ENV 216	101044	2025.09.20	2026.09.19	N/A	N/A
Two-Line V-Network	R&S	ENV 216	101189	2025.05.10	2026.05.09	N/A	N/A
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2026.03.16	2027.03.15	N/A	N/A
Coaxial Cable	Huber+Suhner	RG 223	TR1-C1	2026.03.16	2027.03.15	N/A	N/A
Impedance Stabilization Network	Teseq GmbH	ISN T800	57318	2026.02.25	2027.02.24	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	EMC01	2025.06.17	2026.06.16	N/A	N/A
Shielding room	Quietek	4.9m*4m*3m	TR1	2023.03.04	2028.03.03	N/A	N/A
Dekra test software	Dekra	N/A	N/A	N/A	N/A	N/A	N/A

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Test item	Uncertainty
AC Power Line Conducted Emission	± 2.02 dB
Radiated Emission(9KHz~30MHz)	Horizontal: 9KHz~30MHz: 2.10 dB Vertical: 30MHz~200MHz: 2.30 dB
Radiated Emission(30MHz~1GHz)	± 3.80 dB
Occupied Bandwidth	± 1 kHz

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name:	PHSM
Model Name:	8
Trademark.:	CrossBar
Power Supply:	3.8~4.4V
Manufacturer:	CrossBar, Inc.
Manufacturer Address:	2055 Laurelwood Road, Suite 230 Santa Clara, CA 95054, USA
Test Sample:	#2
Wireless Specification:	NFC
Operating frequency range(s):	13.56 MHz
Type of modulation:	ASK
Antenna Type:	Internal Antenna

Remark:

As above information is provided and confirmed by the applicant. DEKRA is not liable to the accuracy, suitability, reliability or/and integrity of the information.

2 DESCRIPTION OF TEST SETUP

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
NFC Card	N/A	N/A	N/A
software	Type / Version	Manufacturer	Supplied by
N/A	N/A	N/A	N/A

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
FCC CFR Title 47 Part 15 Subpart C Section 15.225	2024	Operation within the band 13.110-14.010 MHz
ANSI C63.10	2020	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Overview of results

Requirement – Test case	Basic standard(s)	Verdict	Remark
Field Strength of Fundamental, E-field Emission	FCC CFR Title 47 Part 15 Subpart C Section 15.225(a)(b)(c)	PASS	Test data please refer to Appendix A
Field Strength of Spurious	FCC CFR Title 47 Part 15 Subpart C Section 15.209 & 15.225(d)	PASS	Test data please refer to Appendix B
Emission Bandwidth	FCC CFR Title 47 Part 15 Subpart C Section 15.215(c)	PASS	Test data please refer to Appendix C
Frequency Stability	FCC CFR Title 47 Part 15 Subpart C Section 15.225(e)	PASS	Test data please refer to Appendix D
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C Section 15.203	PASS	---
Note: The radiation measurement is pre tested under X, Y, and Z axis positioning to find the worst placement for final testing.			

3.3 Test Facility

USA : FCC Designation Number: CN1199

4 TEST ITEMS OF LIMIT/SETUP/PROCEDURE

4.1 AC Power Line Conducted Emission

VERDICT: NA

4.1.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.207	
Frequency range [MHz]	Limit: QP [dB(μV) ¹⁾]	Limit: AV [dB(μV) ¹⁾]
0,15 - 0,50	66 - 56 ²⁾	56 - 46 ²⁾
0,50 - 5,0	56	46
5,0 - 30	60	50

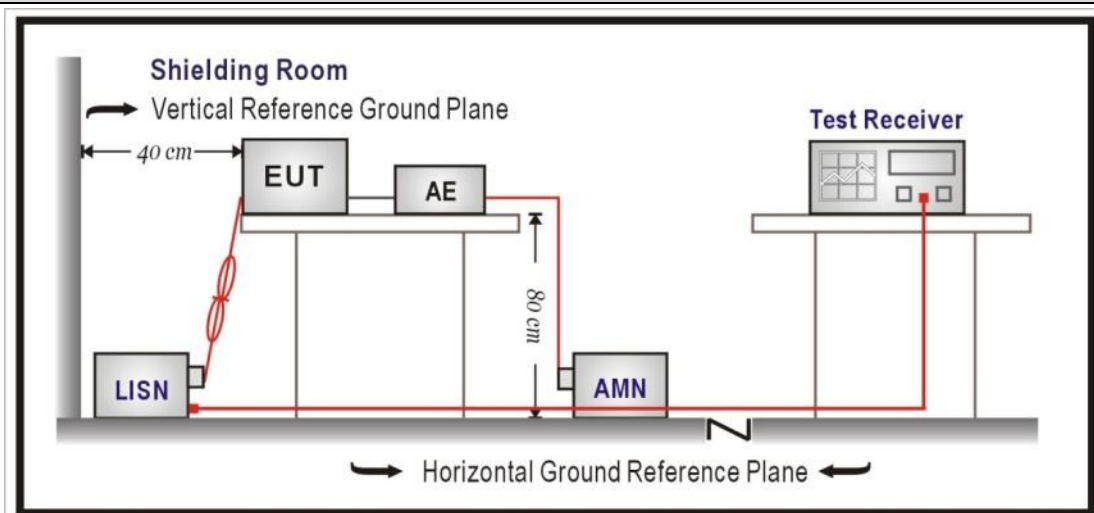
¹⁾ At the transition frequency, the lower limit applies.

²⁾ The limit decreases linearly with the logarithm of the frequency.

NOTE 1: The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.

NOTE 2: Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

4.1.2 Test Setup



4.1.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.10	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.2 E-field Emission

VERDICT: PASS

4.2.1 Limit

Standard FCC Part 15 Subpart C Paragraph 15.225;

(a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.

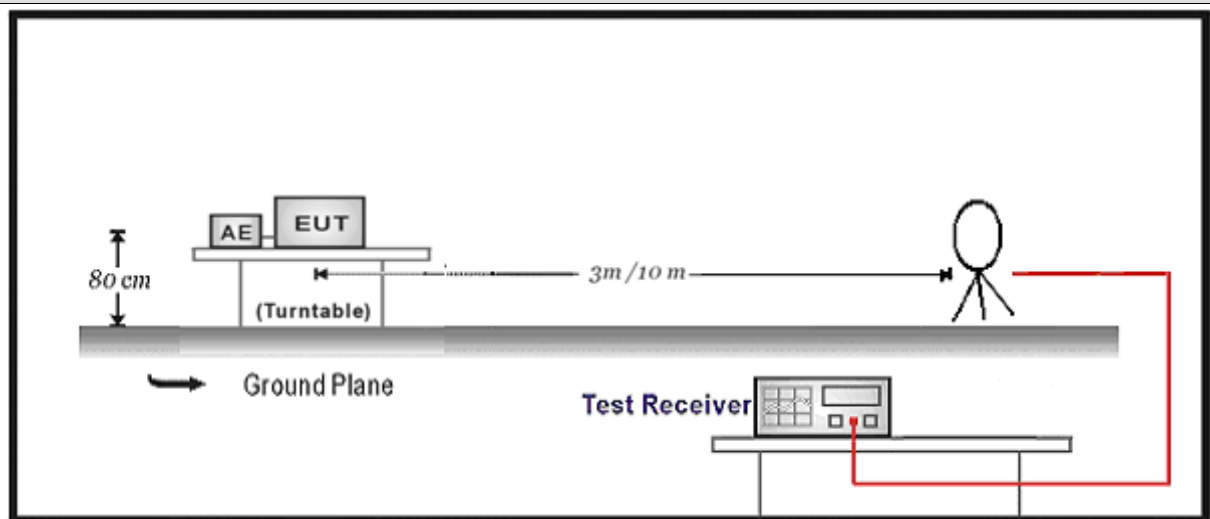
(b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

(c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

(d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in §15.209.

4.2.2 Test Setup

Below 30MHz Test Setup:



4.2.3 Test Procedure

	References Rule	Chapter	Description
☒	ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
☐	ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
☐	ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

4.3 Field Strength of Spurious**VERDICT: PASS****4.3.1 Limit****Standard**

FCC Part 15 Subpart C Paragraph 15. 209;

Restricted Band Emissions Limit

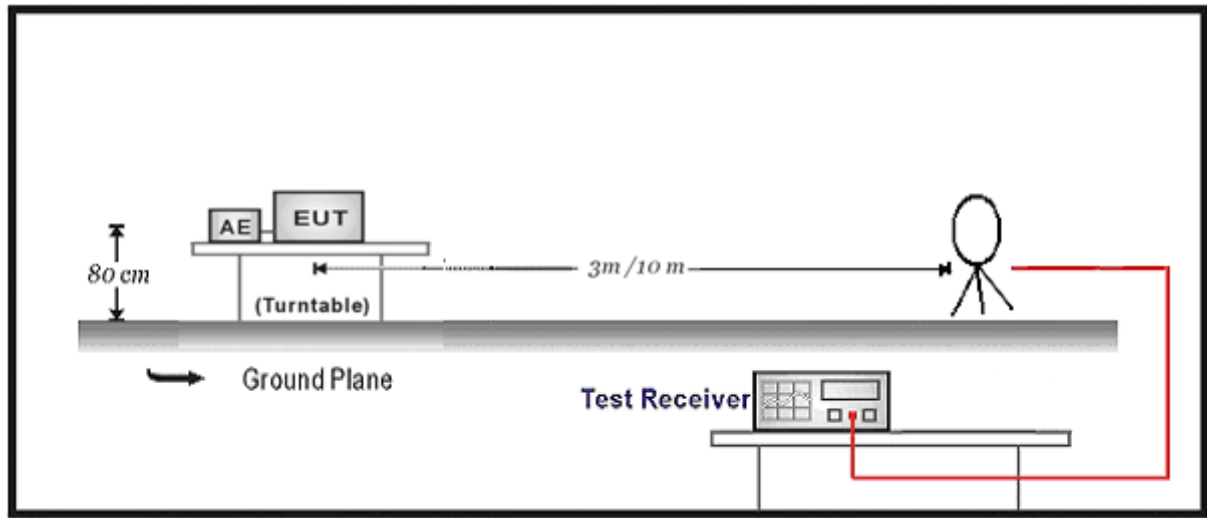
Frequency (MHz)	Field strength (μ V/m)	Field strength (dB μ V/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 ^(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 ^(Note 1)
1.705 - 30	30	29.5	30 ^(Note 1)
30 - 88	100	40	3 ^(Note 2)
88 - 216	150	43.5	3 ^(Note 2)
216 - 960	200	46	3 ^(Note 2)
Above 960	500	54	3 ^(Note 2)

Note 1: At frequencies below 30 MHz, measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field. Pending the development of an appropriate measurement procedure for measurements performed below 30 MHz, when performing measurements at a closer distance than specified, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade).

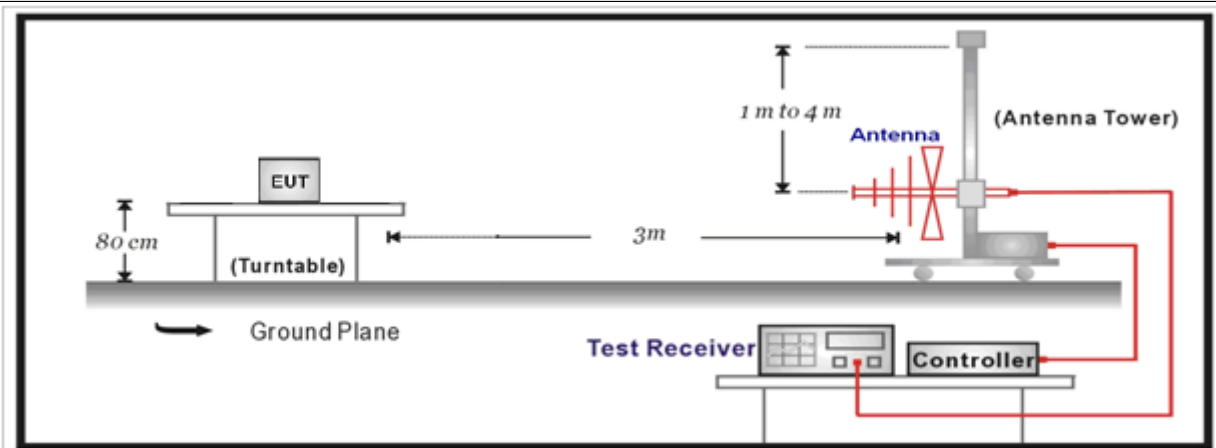
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated that the signal levels needed to be measured at the distance employed can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 meters unless it can be further demonstrated that measurements at a distance of 30 meters or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse linear-distance for field strength measurements; inverse-linear-distance-squared for power density measurements).

4.3.2 Test Setup

Below 30MHz Test Setup:



30MHz-1GHz Test Setup:

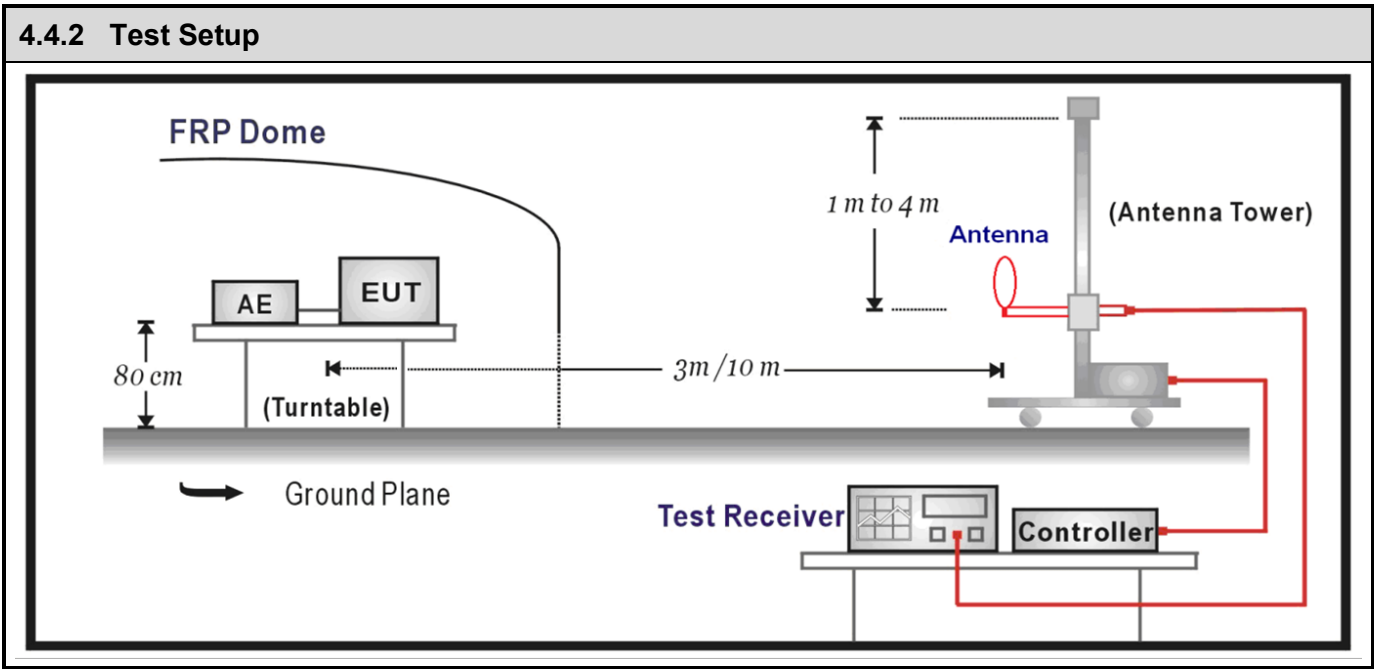


4.3.3 Test Procedure

	References Rule	Chapter	Description
	☒ ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	☒ ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	☐ ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

4.4 Emission bandwidth	VERDICT: PASS
------------------------	---------------

4.4.1 Limit	
Standard	FCC Part 15 Subpart C Paragraph 15.215;
Within the band.	



4.4.3 Test Procedure			
	Reference Rule	Chapter	Description
☒	ANSI C63.10	6.9.2	Occupied bandwidth—relative measurement procedure

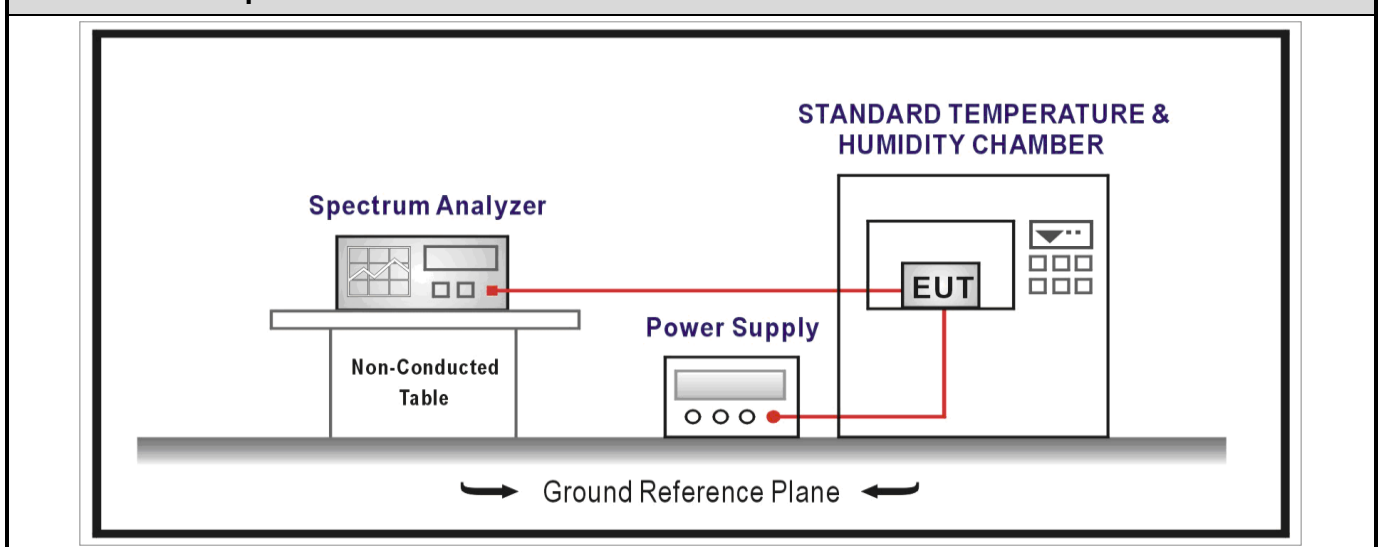
4.5 Frequency Stability

VERDICT: PASS

4.5.1 Limit:

Standard	FCC Part 15 Subpart C Paragraph 15.225(e);
☒	The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to $+50$ degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

4.5.2 Test Setup



4.5.3 Test Procedure

	References Rule	Chapter	Description
☒	ANSI C63.10	6.8	Frequency stability tests
☒	ANSI C63.10	6.8.1	Frequency stability with respect to ambient temperature
☒	ANSI C63.10	6.8.2	Frequency stability when varying supply voltage

4.6 Antenna Requirement**VERDICT: PASS****4.6.1 Limit:**

Standard	FCC Part 15 Subpart E Paragraph 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.	

4.6.2 Antenna Connector Construction:

- | | |
|-------------------------------------|--|
| ☒ | The use of a permanently attached antenna |
| ☐ | The antenna use of a unique coupling to the intentional radiator |
| ☐ | The use of a nonstandard antenna jack or electrical connector |

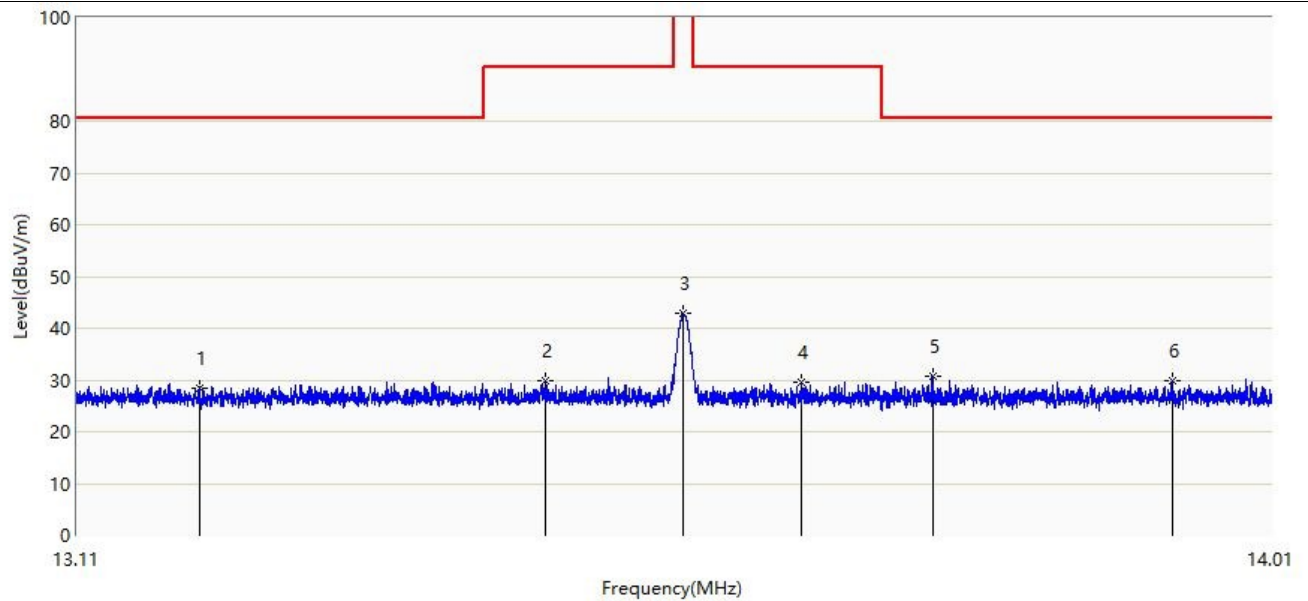
Please refer to the attached document "Internal Photograph" to show the antenna connector.

5	TEST SETUP PHOTO AND EUT PHOTO	VERDICT: PASS
---	--------------------------------	---------------

Remark: The test setup photo and EUT Photo please see appendix.

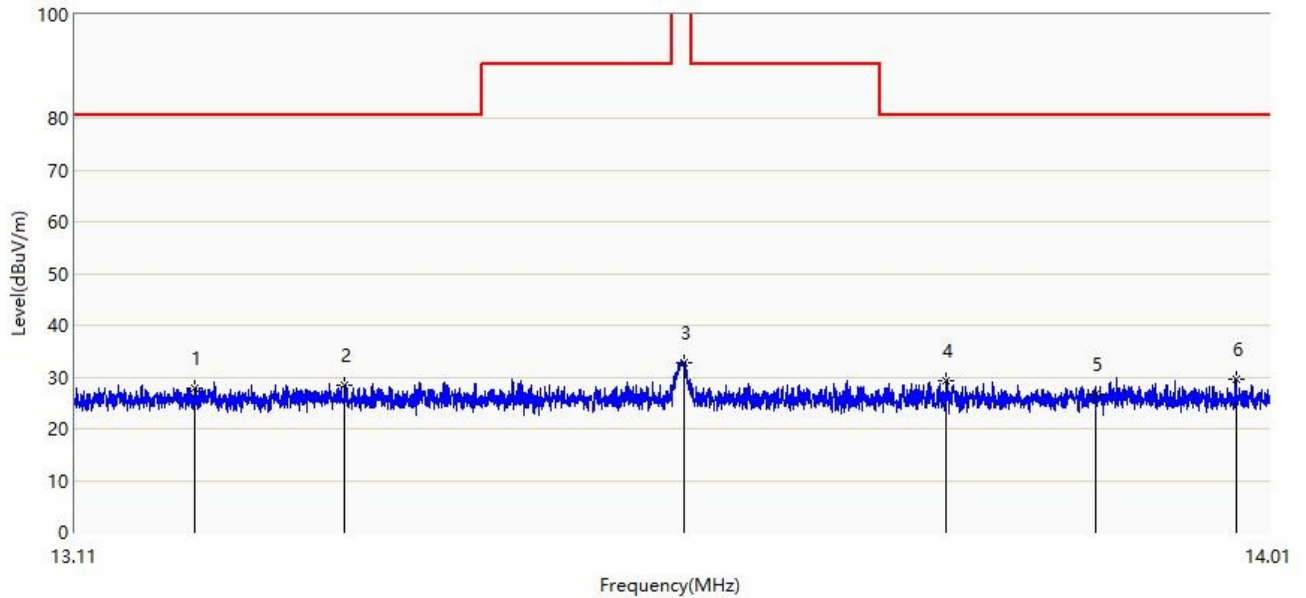
Appendix A: E-field Emission

Profile: 2620133R	Page No.: 7
Engineer: Yuliu	
Site: AC2	Time: 2026/04/04 - 14:09
Limit: FCC-15.225-E-field Emission	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: X
EUT: #1	Power: DC 3.8V
Note: mode2-X	



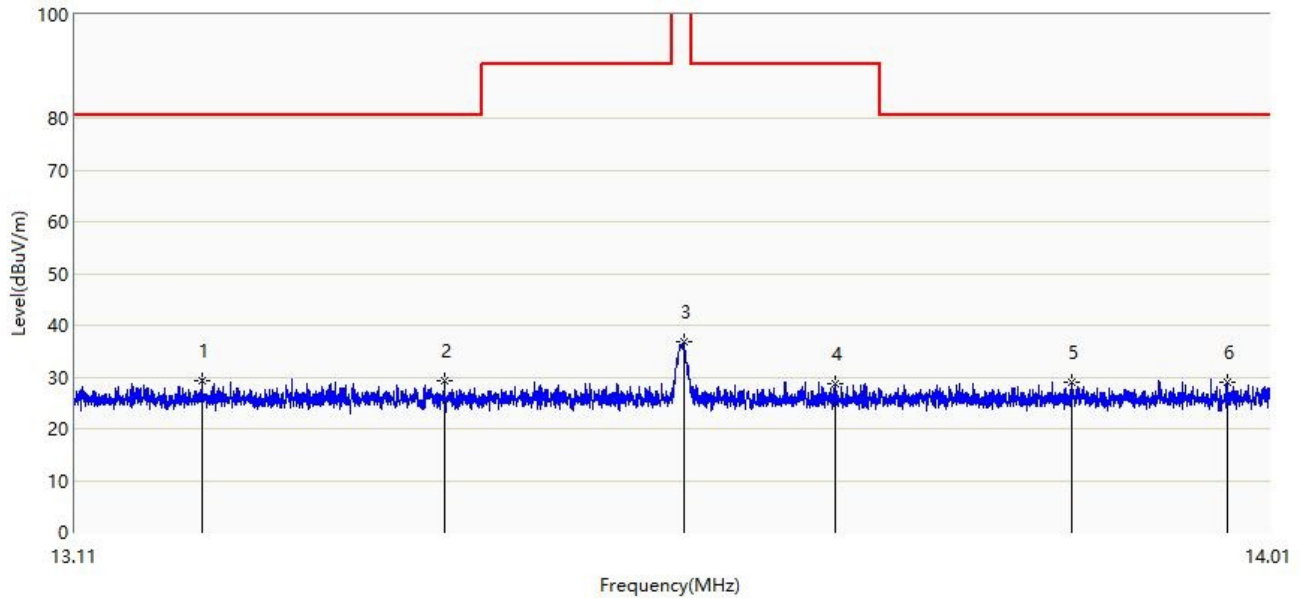
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		13.200	28.432	7.425	-52.068	80.500	21.007	QP
2		13.456	29.781	8.742	-60.719	90.500	21.039	QP
3		13.559	42.846	21.794	-81.154	124.000	21.052	QP
4		13.649	29.671	8.602	-60.829	90.500	21.069	QP
5	*	13.749	30.698	9.614	-49.802	80.500	21.084	QP
6		13.933	29.721	8.615	-50.779	80.500	21.106	QP

Profile: 2620133R	Page No.: 8
Engineer: Yuliu	
Site: AC2	Time: 2026/04/04 - 14:11
Limit: FCC-15.225-E-field Emission	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Y
EUT: #1	Power: DC 3.8V
Note: mode2-Y	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		13.198	27.929	6.922	-52.571	80.500	21.007	QP
2		13.308	28.507	7.484	-51.993	80.500	21.023	QP
3		13.562	32.864	11.812	-91.136	124.000	21.052	QP
4		13.761	29.395	8.311	-51.105	80.500	21.084	QP
5		13.875	26.808	5.710	-53.692	80.500	21.098	QP
6	*	13.984	29.469	8.351	-51.031	80.500	21.118	QP

Profile: 2620133R	Page No.: 9
Engineer: Yuliu	
Site: AC2	Time: 2026/04/04 - 14:12
Limit: FCC-15.225-E-field Emission	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Z
EUT: #1	Power: DC 3.8V
Note: mode2-Z	



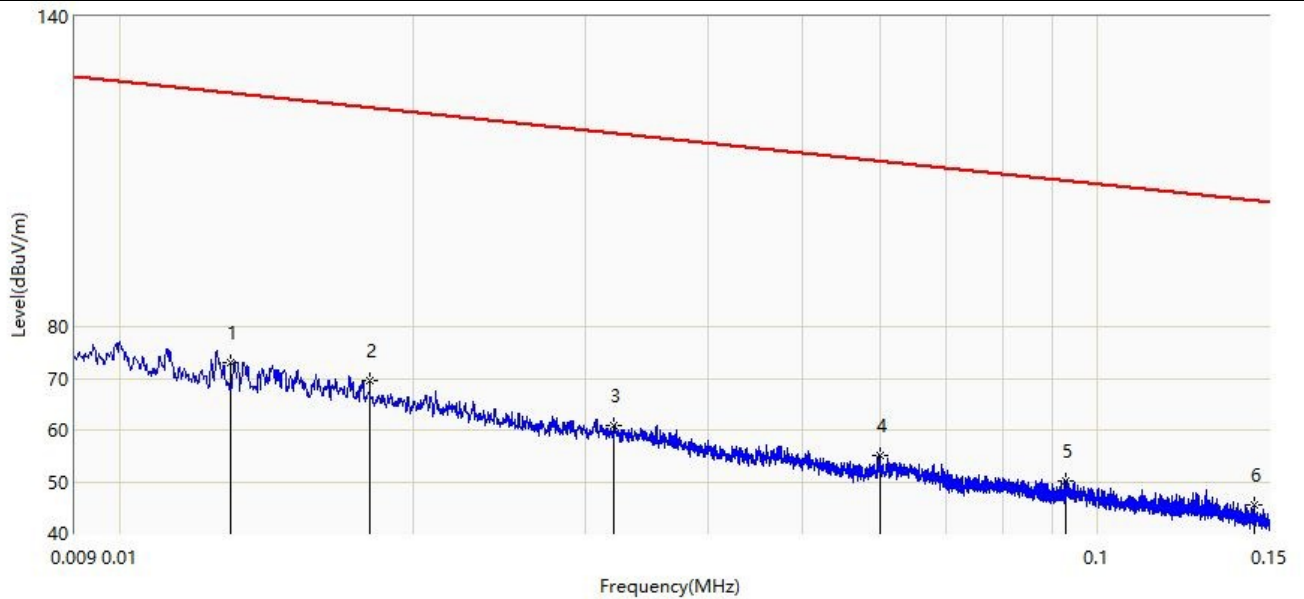
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	13.203	29.405	8.397	-51.095	80.500	21.008	QP
2		13.382	29.237	8.210	-51.263	80.500	21.027	QP
3		13.561	36.837	15.785	-87.163	124.000	21.052	QP
4		13.676	28.632	7.560	-61.868	90.500	21.072	QP
5		13.857	28.855	7.761	-51.645	80.500	21.094	QP
6		13.977	29.106	7.990	-51.394	80.500	21.115	QP

Note : Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Appendix B: Field Strength of Spurious

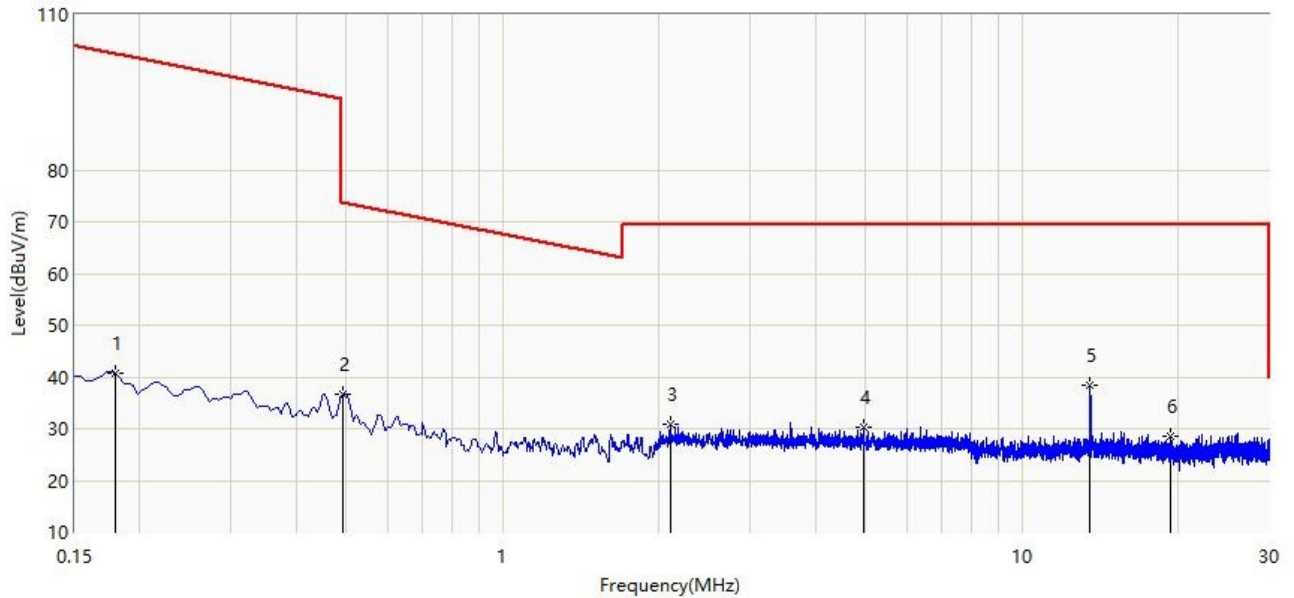
9kHz-30MHz:

Profile: 2620133R	Page No.: 1
Engineer: Yuliu	
Site: AC2	Time: 2026/04/04 - 13:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: X
EUT: #1	Power: DC 3.8V
Note: mode2-X	



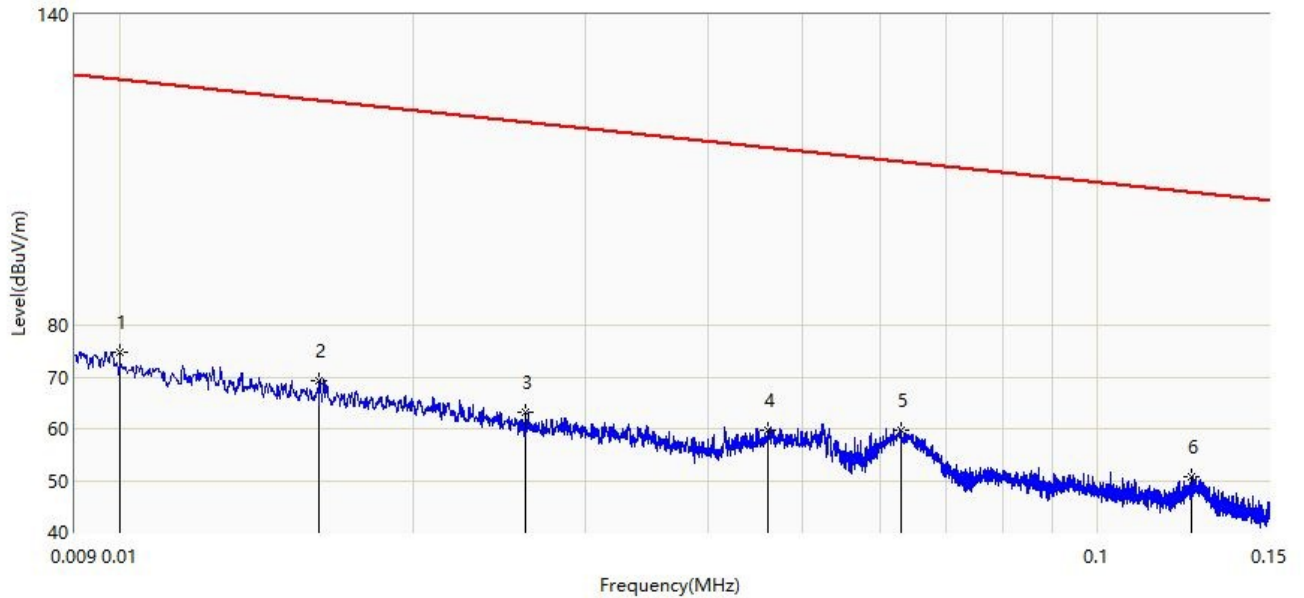
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	0.013	73.091	51.935	-52.217	125.308	21.155	PK
2		0.018	69.445	48.134	-53.038	122.483	21.311	PK
3		0.032	60.781	39.036	-56.707	117.488	21.745	PK
4		0.060	55.103	33.164	-56.927	112.031	21.939	PK
5		0.093	50.164	28.263	-58.062	108.226	21.901	PK
6		0.145	45.500	23.652	-58.871	104.371	21.848	PK

Profile: 2620133R	Page No.: 2
Engineer: Yuliu	
Site: AC2	Time: 2026/04/04 - 13:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: X
EUT: #1	Power: DC 3.8V
Note: mode2-X	



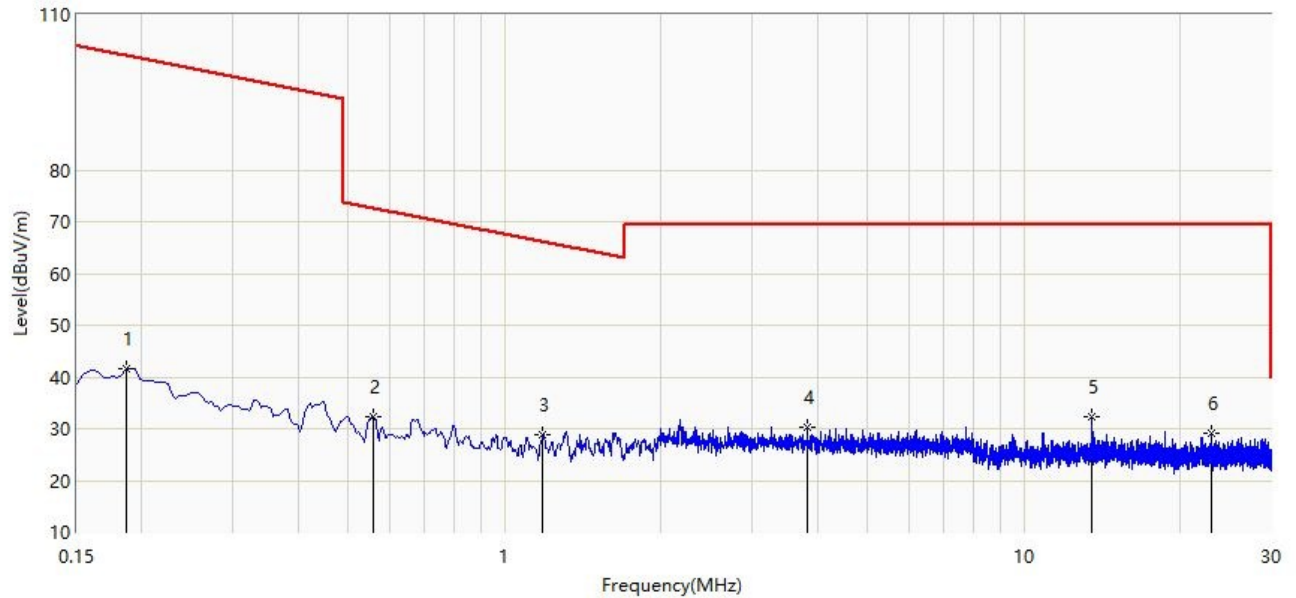
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.180	40.753	18.947	-61.741	102.494	21.806	PK
2		0.493	36.657	15.174	-37.090	73.747	21.483	PK
3		2.109	30.974	10.045	-38.526	69.500	20.929	PK
4		4.948	30.378	9.791	-39.122	69.500	20.587	PK
5	*	13.560	38.394	17.342	-31.106	69.500	21.052	PK
6		19.303	28.577	8.155	-40.923	69.500	20.422	PK

Profile: 2620133R	Page No.: 3
Engineer: Yuliu	
Site: AC2	Time: 2026/04/04 - 13:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity:Y
EUT: #1	Power: DC 3.8V
Note: mode2-Y	



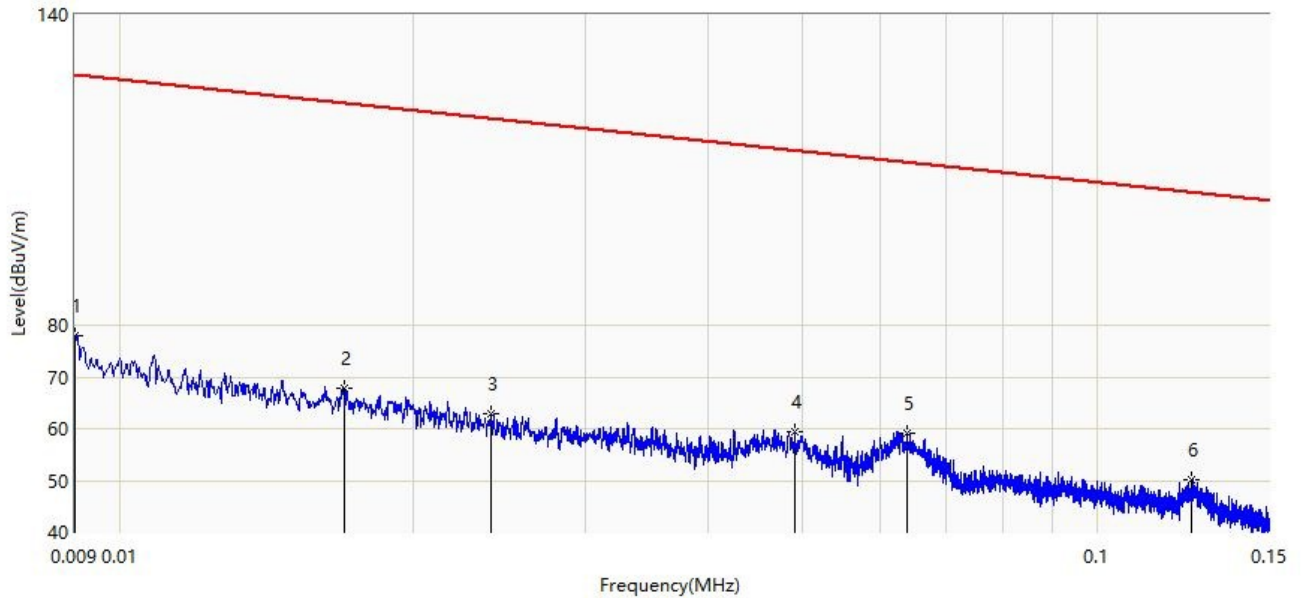
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.010	74.801	53.739	-52.784	127.585	21.062	PK
2		0.016	69.365	48.116	-54.141	123.505	21.248	PK
3		0.026	63.234	41.675	-56.056	119.290	21.559	PK
4		0.046	59.823	37.868	-54.515	114.337	21.955	PK
5	*	0.063	59.799	37.863	-51.808	111.607	21.936	PK
6		0.125	50.755	28.890	-54.904	105.659	21.865	PK

Profile: 2620133R	Page No.: 4
Engineer: Yuliu	
Site: AC2	Time: 2026/04/04 - 14:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity:Y
EUT: #1	Power: DC 3.8V
Note: mode2-Y	



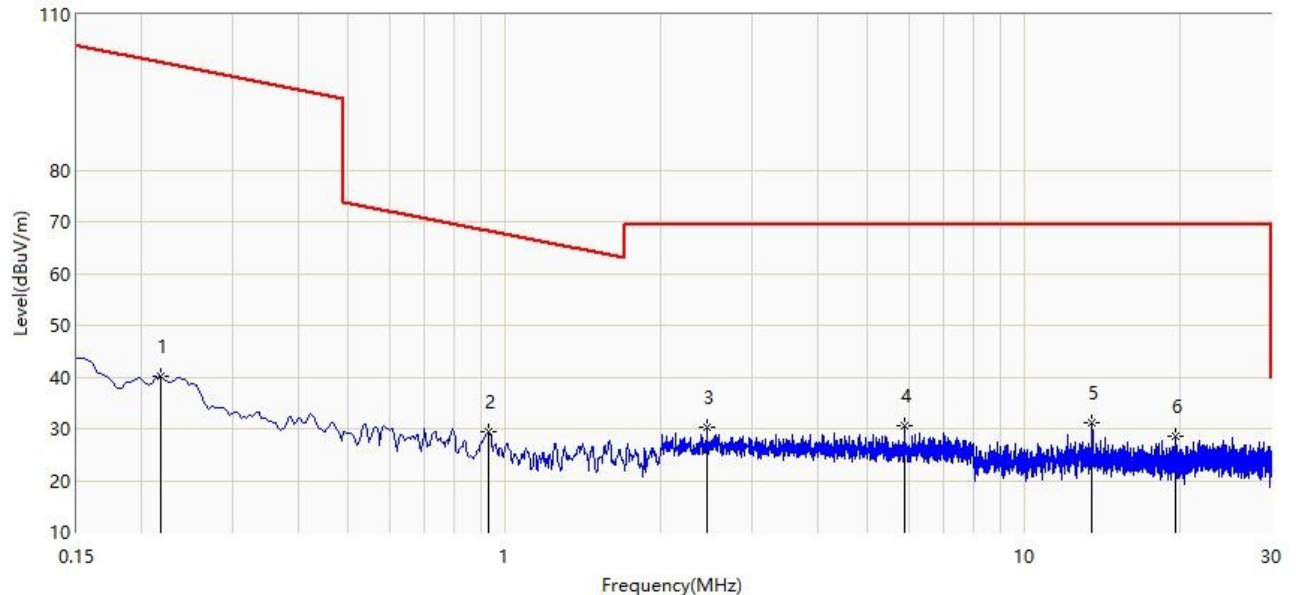
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.187	41.585	19.789	-60.578	102.162	21.796	PK
2		0.557	32.372	11.069	-40.318	72.690	21.303	PK
3	*	1.184	28.910	8.787	-37.249	66.159	20.122	PK
4		3.836	30.262	9.529	-39.238	69.500	20.733	PK
5		13.560	32.247	11.195	-37.253	69.500	21.052	PK
6		22.948	29.078	8.261	-40.422	69.500	20.818	PK

Profile: 2620133R	Page No.: 5
Engineer: Yuliu	
Site: AC2	Time: 2026/04/04 - 14:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Z
EUT: #1	Power: DC 3.8V
Note: mode2-Z	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	0.009	78.096	57.065	-50.404	128.500	21.031	PK
2		0.017	67.868	46.588	-55.111	122.979	21.280	PK
3		0.024	62.812	41.315	-57.173	119.985	21.497	PK
4		0.049	59.486	37.535	-54.303	113.789	21.951	PK
5		0.064	59.144	37.209	-52.327	111.471	21.935	PK
6		0.125	50.134	28.269	-55.525	105.659	21.865	PK

Profile: 2620133R	Page No.: 6
Engineer: Yuliu	
Site: AC2	Time: 2026/04/04 - 14:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity:Z
EUT: #1	Power: DC 3.8V
Note: mode2-Z	



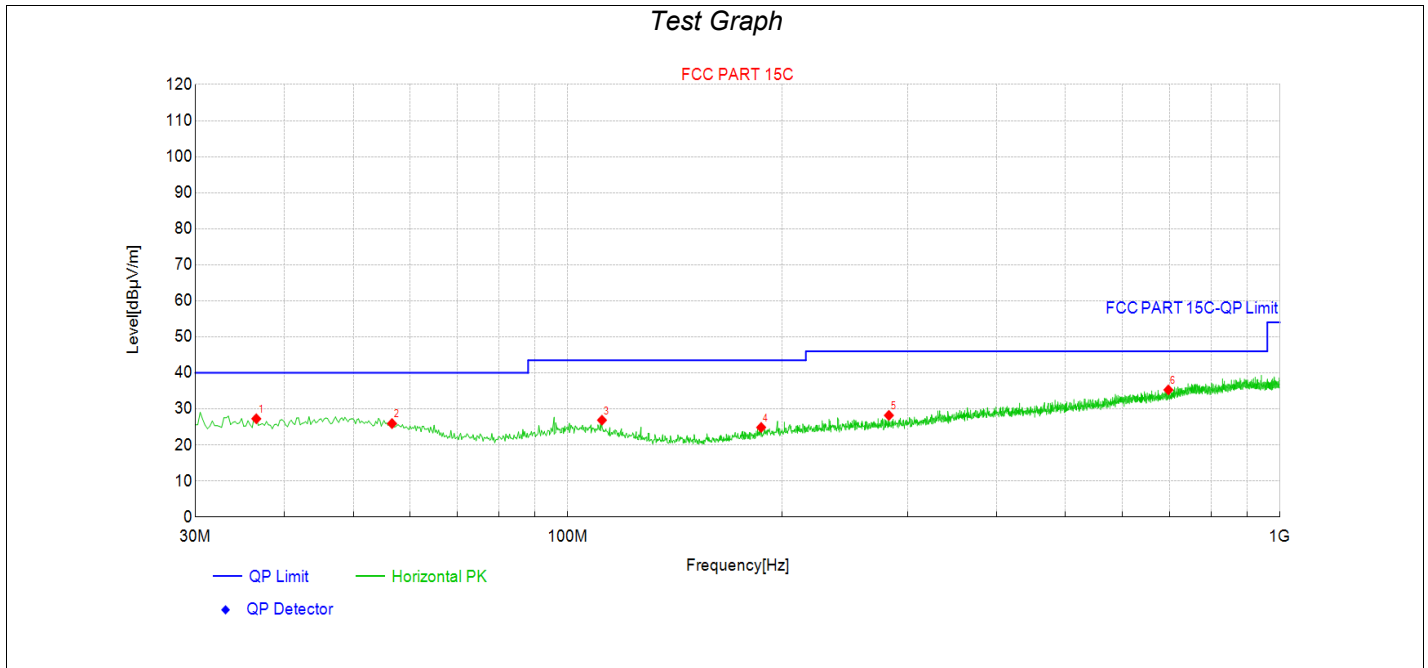
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.217	40.106	18.326	-60.765	100.871	21.780	PK
2		0.930	29.415	9.264	-38.835	68.250	20.150	PK
3		2.448	30.298	9.395	-39.202	69.500	20.903	PK
4		5.892	30.686	10.103	-38.814	69.500	20.583	PK
5	*	13.556	31.178	10.126	-38.322	69.500	21.052	PK
6		19.657	28.528	8.173	-40.972	69.500	20.355	PK

Note 1. Mark 5 is the fundamental emission.

2. Except Main frequency, others are noise floor.

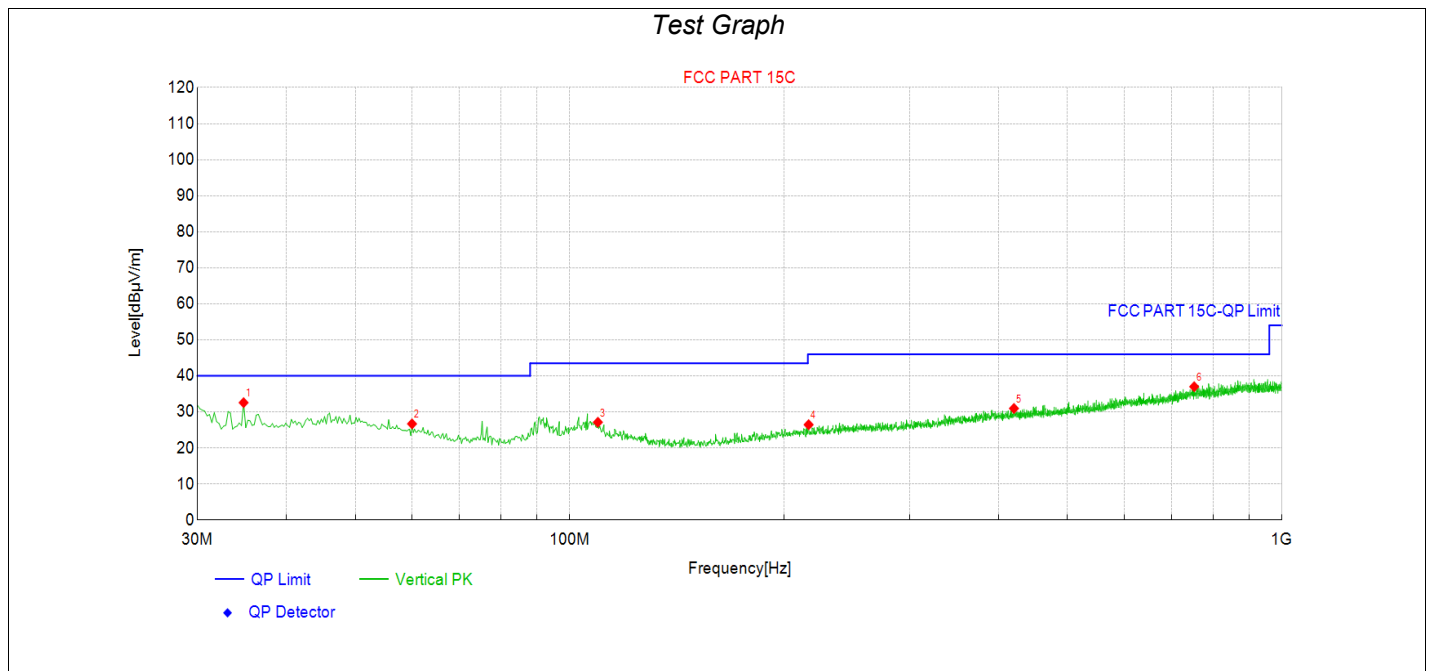
3. " * ", means this data is the worst emission level.

4. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

30MHz-1GHz:**Operating****Data List**

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	36.55	14.0	27.27	13.310	40.00	12.73	PK	Horizo	PASS
2	56.68	12.4	25.94	13.520	40.00	14.06	PK	Horizo	PASS
3	111.72	14.9	26.88	11.990	43.50	16.62	PK	Horizo	PASS
4	186.90	14.0	24.87	10.900	43.50	18.63	PK	Horizo	PASS
5	282.44	14.5	28.20	13.710	46.00	17.80	PK	Horizo	PASS
6	697.12	15.0	35.28	20.320	46.00	10.72	PK	Horizo	PASS

Operating



Data List

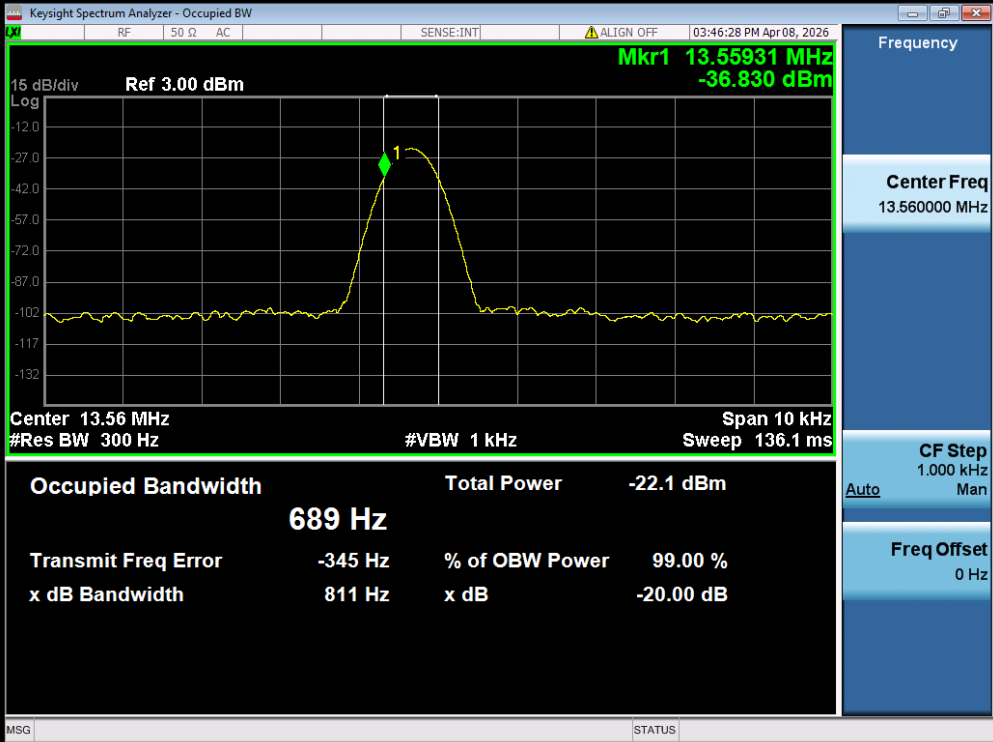
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	34.85	19.5	32.58	13.060	40.00	7.42	PK	Vertic	PASS
2	60.07	13.9	26.69	12.780	40.00	13.31	PK	Vertic	PASS
3	109.54	14.9	27.14	12.230	43.50	16.36	PK	Vertic	PASS
4	216.48	14.2	26.46	12.230	46.00	19.54	PK	Vertic	PASS
5	420.43	14.6	30.97	16.340	46.00	15.03	PK	Vertic	PASS
6	752.89	15.5	37.01	21.500	46.00	8.99	PK	Vertic	PASS

Note:

1. All Readings below 1GHz are PK, PK as an alternative to CISPR quasi-peak measurements or average measurements.
2. Level=Reading+Factor.

Appendix C: Emission Bandwidth

Frequency (MHz)	20dB Bandwidth (kHz)	99% Bandwidth (kHz)	Frequency Range Limit (MHz)	Result
13.56	0.811	0.689	13.553 ~ 13.567	Pass



Appendix D: Frequency Stability

Frequency Stability under Temperature at 0min			
Temperature Interval (°C)	Test Frequency (MHz)	Deviation (ppm)	Limit (ppm)
-20	13.56	1.13	±100
-10	13.56	1.34	±100
0	13.56	-1.28	±100
10	13.56	1.38	±100
20	13.56	-1.09	±100
30	13.56	-1.72	±100
40	13.56	-1.50	±100
50	13.56	-1.73	±100
Frequency Stability under Temperature at 2min			
Temperature Interval (°C)	Test Frequency (MHz)	Deviation (ppm)	Limit (ppm)
-20	13.56	-1.47	±100
-10	13.56	-1.53	±100
0	13.56	-1.51	±100
10	13.56	-1.49	±100
20	13.56	-1.61	±100
30	13.56	-1.74	±100
40	13.56	-1.73	±100
50	13.56	-1.70	±100
Frequency Stability under Temperature at 5min			
Temperature Interval (°C)	Test Frequency (MHz)	Deviation (ppm)	Limit (ppm)
-20	13.56	-1.78	±100
-10	13.56	-1.79	±100
0	13.56	-1.71	±100
10	13.56	-1.53	±100
20	13.56	-1.69	±100
30	13.56	-1.72	±100
40	13.56	-1.79	±100
50	13.56	-1.72	±100
Frequency Stability under Temperature at 10min			
Temperature Interval (°C)	Test Frequency (MHz)	Deviation (ppm)	Limit (ppm)

-20	13.56	-1.27	±100
-10	13.56	-1.64	±100
0	13.56	-1.29	±100
10	13.56	-1.46	±100
20	13.56	-1.79	±100
30	13.56	-2.15	±100
40	13.56	-1.92	±100
50	13.56	-2.01	±100

Frequency Stability under Voltage

DC Voltage (V)	Test Frequency (MHz)	Deviation (ppm)	Limit (ppm)
3.60	13.56	-1.27	±100
3.87	13.56	-1.32	±100
4.40	13.56	-1.18	±100

_____ The End _____