DEKRA Testing and Certification (Suzhou) Co., Ltd.
No.99 Hongye Rd., Suzhou Industrial Park, Suzhou, 215006, Jiangsu, China
TEL: +86-512-6251-5088 / FAX: +86-512-6251-5098

Test report No:
24C0967R-RF-US-P06V01

FCC TEST REPORT

Product Name	Mobile Computer
Model and /or type reference	PM68
Trademark	N/A
FCC ID	V2X-PM68W
Applicant´s name / address	Point Mobile Co.,LTD. A-26F, Building Gasan Publik 178, Digital-ro, Geumcheon-gu Seoul, 08513 Republic of Korea
Test method requested, standard	47 CFR FCC Part 15 (Section 15.225) ANSI C63.10: 2013
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Jun Xu/ Project Manager
Approved by (name / position & signature)	Frank He/ Manager
Date of issue	2025-04-07
Report Version	V1.0
Report template No	Template_FCC 15.225-RF-V1.0

INDEX

page

Competences and Guarantees 4
General conditions 4
Environmental conditions 4
Possible test case verdicts 5
Abbreviations 5
Document History 6
Remarks and Comments 6
Used Equipment 7
Uncertainty 8
1 General Information 9
1.1 General Description of the Item(s) 9
1.2 Antenna information 10
1.3 Channel List 11
2 Description of Test Setup 12
2.1 Operating mode(s) used for tests 12
2.2 Support / Auxiliary equipment / unit / Test software for the EUT 12
2.3 Test Configuration / Block diagram used for tests 13
2.4 Testing process 14
3 Verdict summary section 15
3.1 Standards 15
3.2 Overview of results 16
3.3 Test Matrix 17
3.4 Test Facility 18
4 Test Results 19
4.1 AC Power Line Conducted Emission 19
4.1.1 Limit 19
4.1.2 Test Setup 19
4.1.3 Test Procedure 19
4.2 E-field Emission 20
4.2.1 Limit 20
4.2.2 Test Setup 20
4.2.3 Test Procedure 20
4.3 Field Strength of Spurious 21
4.3.1 Limit 21

4.3.2 Test Setup 22
4.3.3 Test Procedure 23
4.4 Emission bandwidth 24
4.4.1 Limit 24
4.4.2 Test Setup 24
4.4.3 Test Procedure 24
4.5 Frequency Stability 25
4.5.1 Limit: 25
4.5.2 Test Setup 25
4.5.3 Test Procedure 25
4.6 Antenna Requirement 26
4.6.1 Limit: 26
4.6.2 Antenna Connector Construction: 26
5 Test setup photo and EUT Photo 27
Appendix A: AC Power Line Conducted Emission 28
Appendix B: E-field Emission 30
Appendix C: Field Strength of Spurious 33
Appendix D: Emission Bandwidth 41
Appendix E: Frequency Stability 42

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. 17, 2025
Date (start test)	Feb. 18, 2025
Date (finish test)	Apr. 06, 2025

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
24C0967R-RF-US-P06V01	V1.0	Initial issue of report.	2025-04-07

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 1.1 General Description of the Item(s);
   - Chapter 1.2 Antenna Informaion;
   - Chapter 1.3 Channel List.

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 Versiom	Software version
EMI Test Receiver	R&S	ESCI	100176	2024.05.12	2025.05.11	4.42 SP3	N/A
Loop Antenna	SCHWARZBECK	HXYZ 9170	290	2025.01.11	2026.01.10	N/A	N/A
Bilog Antenna	Teseq GmbH	CBL6112D	27613	2024.09.08	2025.09.07	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	AC2-TH	2024.07.04	2025.07.03	N/A	N/A
Coaxial Cable	Huber+Suhner	SUCOFLEX 106	AC2-C	2024.04.27	2025.04.26	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 Versiom	Software version
EMI Test Receiver	R&S	ESCI	100726	2024.07.06	2025.07.05	4.42 SP1	N/A
Two-Line V-Network	R&S	ENV 216	101044	2024.10.26	2025.10.25	N/A	N/A
Two-Line V-Network	R&S	ENV 216	101189	2024.07.06	2025.07.05	N/A	N/A
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	2024.04.20	2025.04.19	N/A	N/A
Coaxial Cable	Huber+Suhner	RG 223	TR1-C1	2024.04.27	2025.04.26	N/A	N/A
Impedance Stabilization Network	Teseq GmbH	ISN T800	57318	2024.02.27	2025.02.26	N/A	N/A
Impedance Stabilization Network	Teseq GmbH	ISN T800	57318	2025.02.25	2026.02.24	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	EMC01	2024.07.04	2025.07.03	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	± 1kHz

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name.....:	Mobile Computer
Model No. .....:	PM68
Trademark. .....:	N/A
FCC ID.....:	V2X-PM68W
Hardware Version.....:	MP
Software Version .....:	68.00
Manufacturer.....:	Point Mobile Co.,LTD.
Manufacturer Address .....:	A-26F, Building Gasan Publik 178, Digital-ro, Geumcheon-gu Seoul, 08513 Republic of Korea

Wireless Specification.....:	NFC
Operating frequency range(s).....:	13.56 MHz
Type of modulation .....:	ASK
Number of channel .....:	1

Rated power supply.....:	Voltage and Frequency	
	☐	AC: 220 - 240 V, 50/60 Hz
	☐	AC: 110-130 V, 50/60 Hz, 13.5W
	☐	DC: 24 Vdc
	☒	Battery: 3.8V
	☒	Adapter: Input:100-240V, 50/60 Hz,0.3A; Output:5.0V,2.0A,10W
Mounting position.....:	☐	Tabletop equipment
	☐	Door mounted equipment
	☐	Floor standing equipment
	☒	Hand-held/Portable equipment
	☐	Other:

1.2 Antenna information

Antenna model.....:	N/A			
Antenna Delivery .....:	☒	1TX + 1RX		
	☐	2TX + 2RX		
	☐	Others:……		
Antenna technology.....:	☒	SISO		
	☐	MIMO	☐	CDD
			☐	Beam-forming
Antenna Type .....:	☐	External	☐	Dipole
			☐	Sectorized
	☒	Internal	☐	Ceramic Chip
			☐	PIFA
			☒	LOOP
			☐	Others:

1.3 Channel List

Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	13.56 MHz	--	--	--	--	--	--

Note: The general description of the Item(s), antenna information and channel list in clause 1 are provided and confirmed by the client.

2 DESCRIPTION OF TEST SETUP

2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

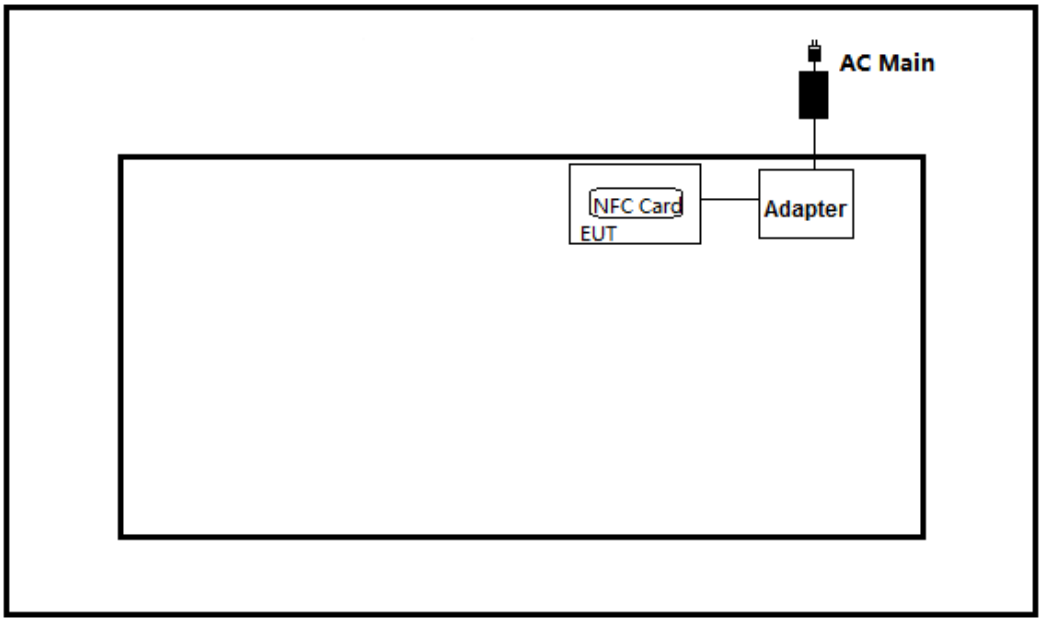
Test Mode	Mode 1: Transmit by NFC

2.2 Support / Auxiliary equipment / unit / Test software for the EUT

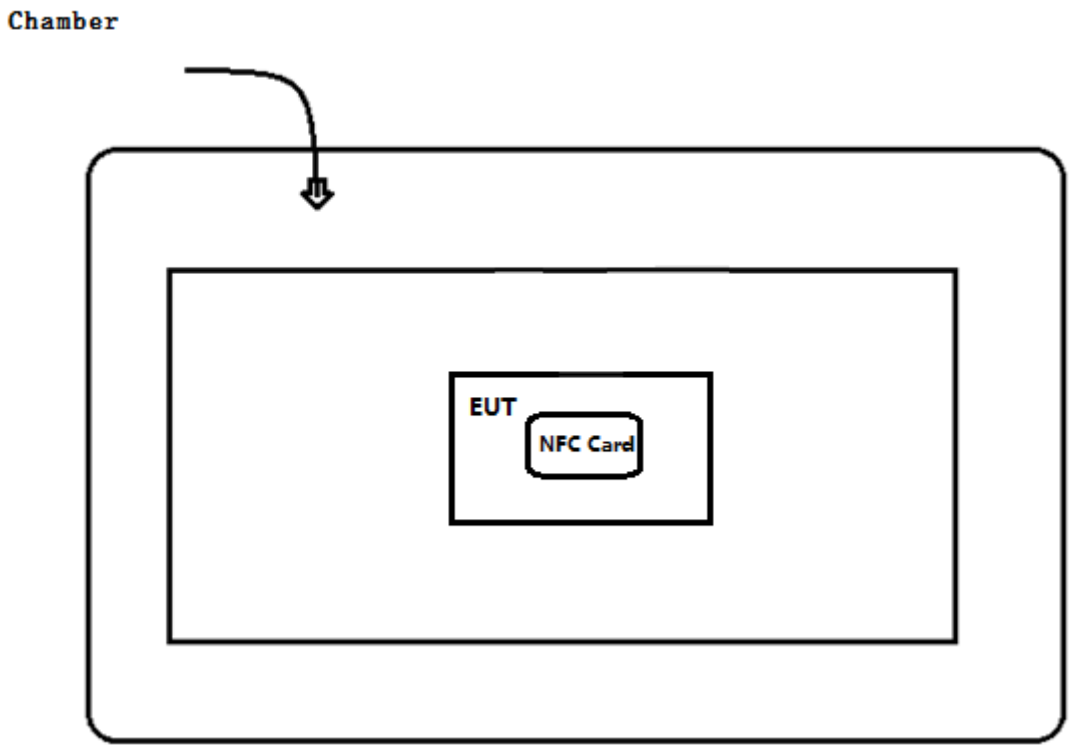
Auxiliary equipment	Type / Version	Manufacturer	Supplied by
NFC Card	N/A	N/A	N/A
software	Type / Version	Manufacturer	Supplied by
N/A	N/A	N/A	N/A

2.3 Test Configuration / Block diagram used for tests

Test setup Diagram- AC Line Conducted Emission Test



Test setup Diagram- Radiated Emission



2.4 Testing process

1	Setup the EUT as shown in Section 2.3.
2	Execute the power on the EUT.
3	Verify that the EUT works properly.

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	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Overview of results

For FCC

Requirement – Test case	Basic standard(s)	Verdict	Remark
AC Power Line Conducted Emission	FCC CFR Title 47 Part 15 Subpart C Section 15.207	PASS	Test data please refer to **Appendix A**
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 B**
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 C**
Emission Bandwidth	FCC CFR Title 47 Part 15 Subpart C Section 15.215(c)	PASS	Test data please refer to **Appendix D**
Frequency Stability	FCC CFR Title 47 Part 15 Subpart C Section 15.225(e)	PASS	Test data please refer to **Appendix E**
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C Section 15.203	PASS	---

3.3 Test Matrix

Test item	Model: PM68
	1(#1)
AC Power Line Conducted Emission	☒
E-field Emission	☒
Field Strength of Spurious	☒
Frequency Stability	☒
Emission Bandwidth	☒
Field Strength of Fundamental	☒

3.4 Test Facility

USA	**:**	**FCC Designation Number: CN1199**

4 TEST RESULTS

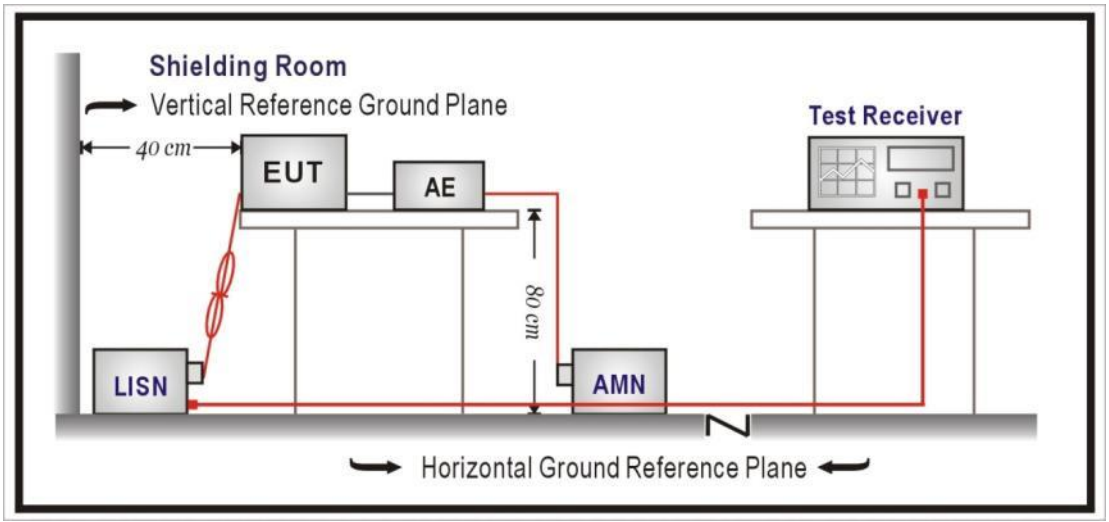
4.1 AC Power Line Conducted Emission	VERDICT: PASS

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

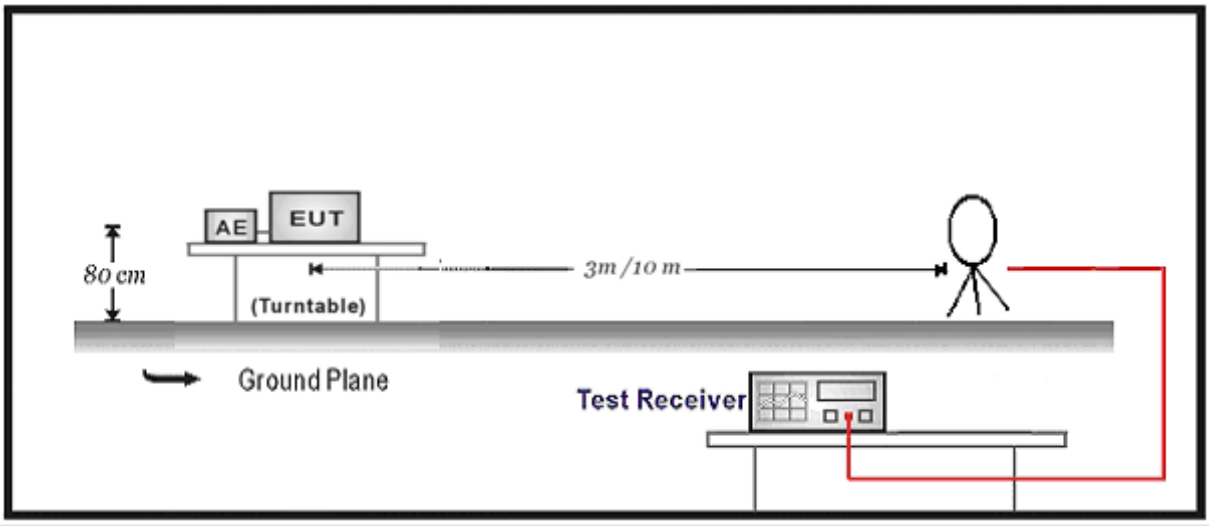
4.2.1 Limit

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

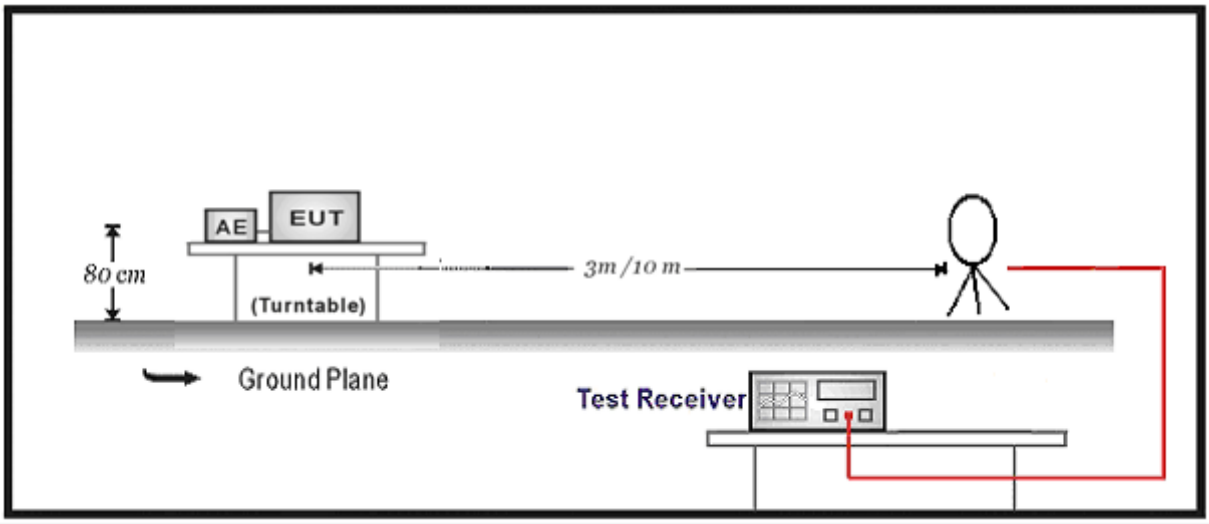
Frequency (MHz)	Field strength (μ V/m)	Field strength (dB μ V/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30(Note 1)
1.705 - 30	30	29.5	30(Note 1)
30 - 88	100	40	3(Note 2)
88 - 216	150	43.5	3(Note 2)
216 - 960	200	46	3(Note 2)
Above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

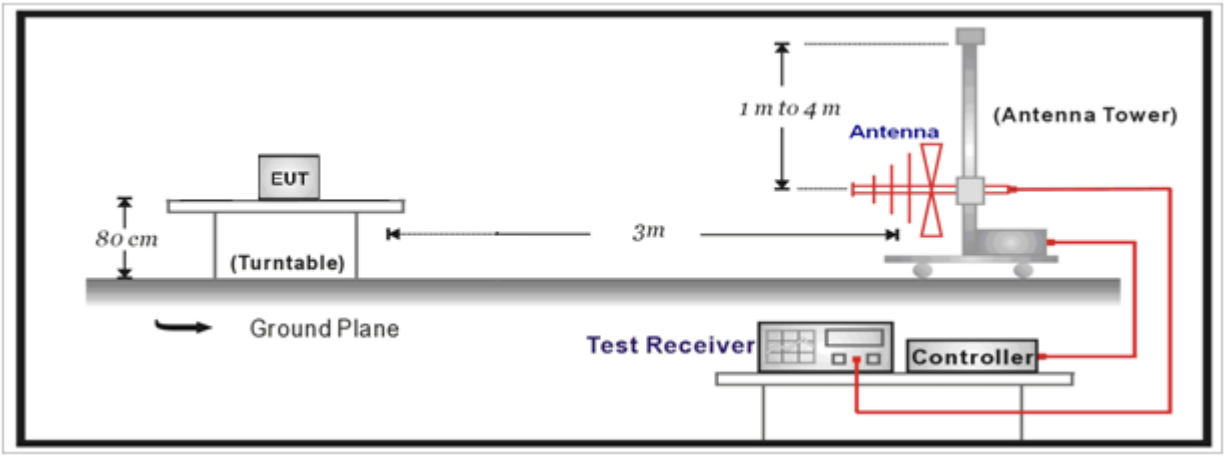
Note 2: At frequencies at or above 30 MHz, measurements may be performed at a distance other than what is specified provided: measurements are not made in the near field except where it can be shown that near field measurements are appropriate due to the characteristics of the device; and it can be demonstrated 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:



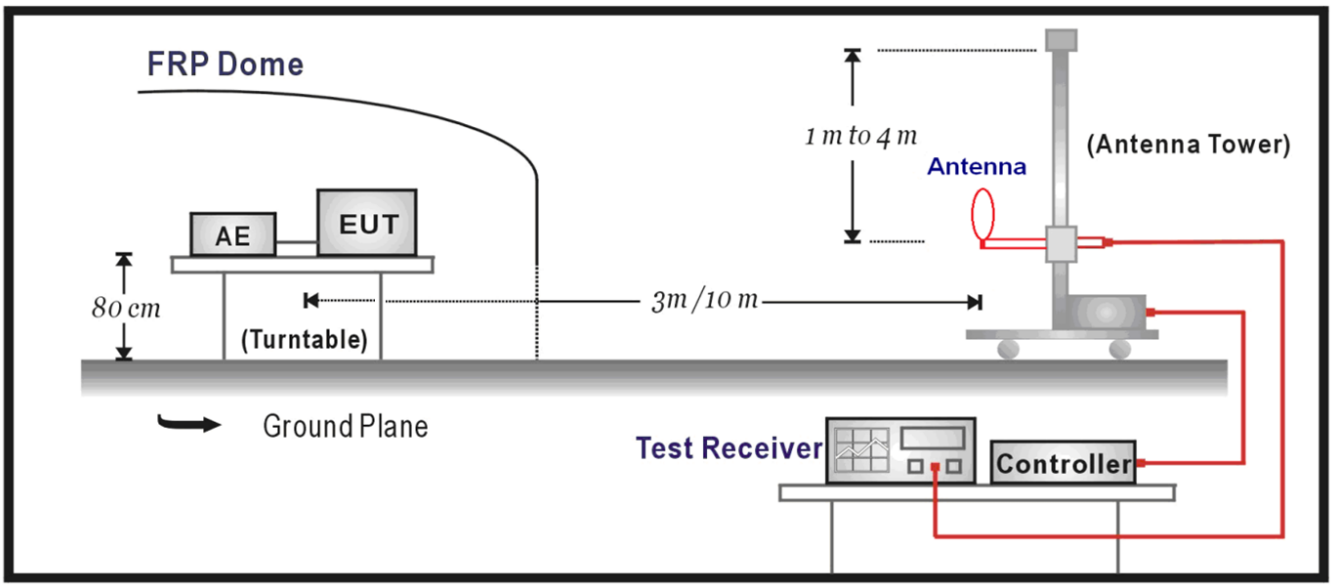
4.3.3 Test Procedure

	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.	

4.4.2 Test Setup



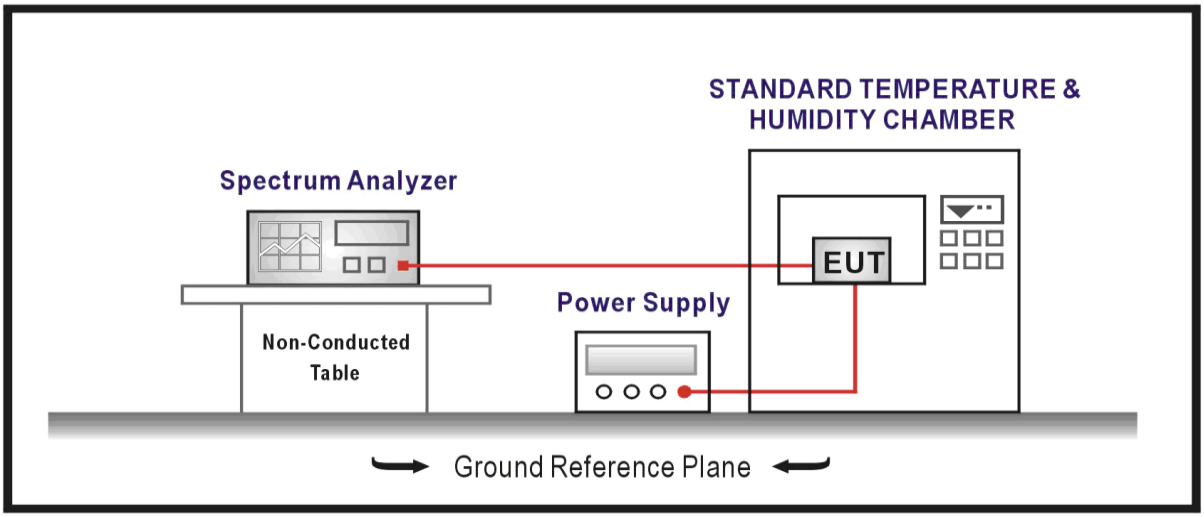
4.4.3 Test Procedure

	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 ±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.	

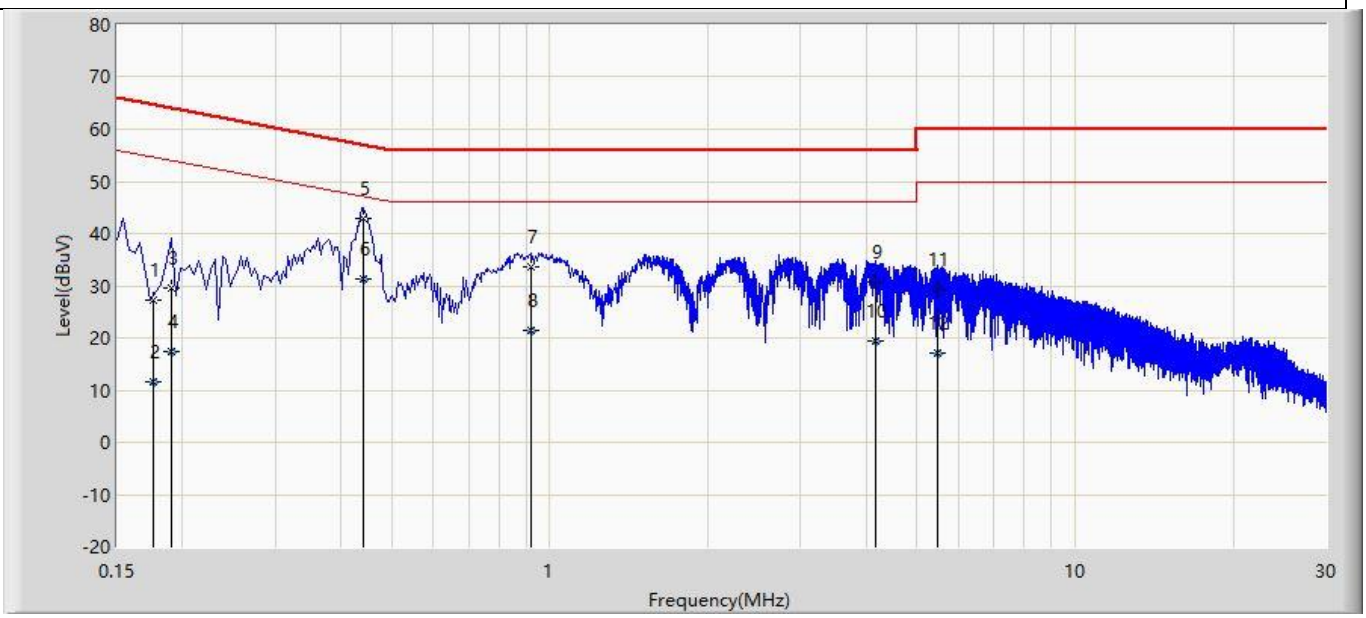
4.6.2 Antenna Connector Construction:	
☒	The use of a permanently attached antenna
☐	The antenna use of a unique coupling to the intentional radiator
☐	The use of a nonstandard antenna jack or electrical connector
Please refer to the attached document “Internal Photograph” to show the antenna connector.	

5 TEST SETUP PHOTO AND EUT PHOTO	VERDICT: PASS

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

Appendix A: AC Power Line Conducted Emission

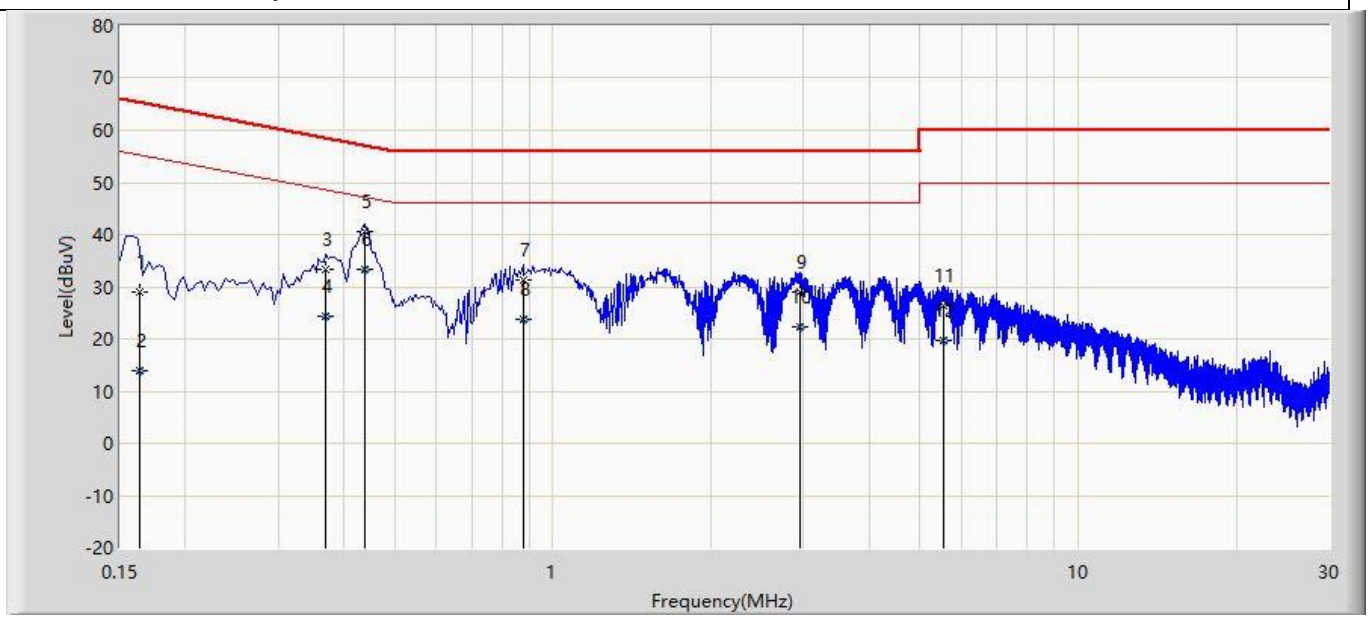
Profile: 24C0967R	Page No.: 1
Engineer: Yu Liu	
Site: TR1	Time: 2025/04/06 - 17:51
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
EUT: Mobile Computer	Power: 120Vac/60Hz
Note: Mode 1: Transmit by NFC	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.176	27.319	17.619	-37.373	64.692	9.700	QP
2		0.176	11.598	1.898	-43.094	54.692	9.700	AV
3		0.190	29.520	19.824	-34.517	64.037	9.696	QP
4		0.190	17.474	7.778	-36.563	54.037	9.696	AV
5	*	0.442	42.981	33.244	-14.043	57.024	9.737	QP
6		0.442	31.365	21.629	-15.659	47.024	9.737	AV
7		0.918	33.533	23.794	-22.467	56.000	9.738	QP
8		0.918	21.452	11.713	-24.548	46.000	9.738	AV
9		4.162	30.599	20.758	-25.401	56.000	9.840	QP
10		4.162	19.359	9.519	-26.641	46.000	9.840	AV
11		5.466	29.145	19.282	-30.855	60.000	9.863	QP
12		5.466	17.206	7.343	-32.794	50.000	9.863	AV

Note:
1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Profile: 24C0967R	Page No.: 2
Engineer: Yu Liu	
Site: TR1	Time: 2025/04/06 - 17:56
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Neutral
EUT: Mobile Computer	Power: 120Vac/60Hz
Note: Mode 1: Transmit by NFC	

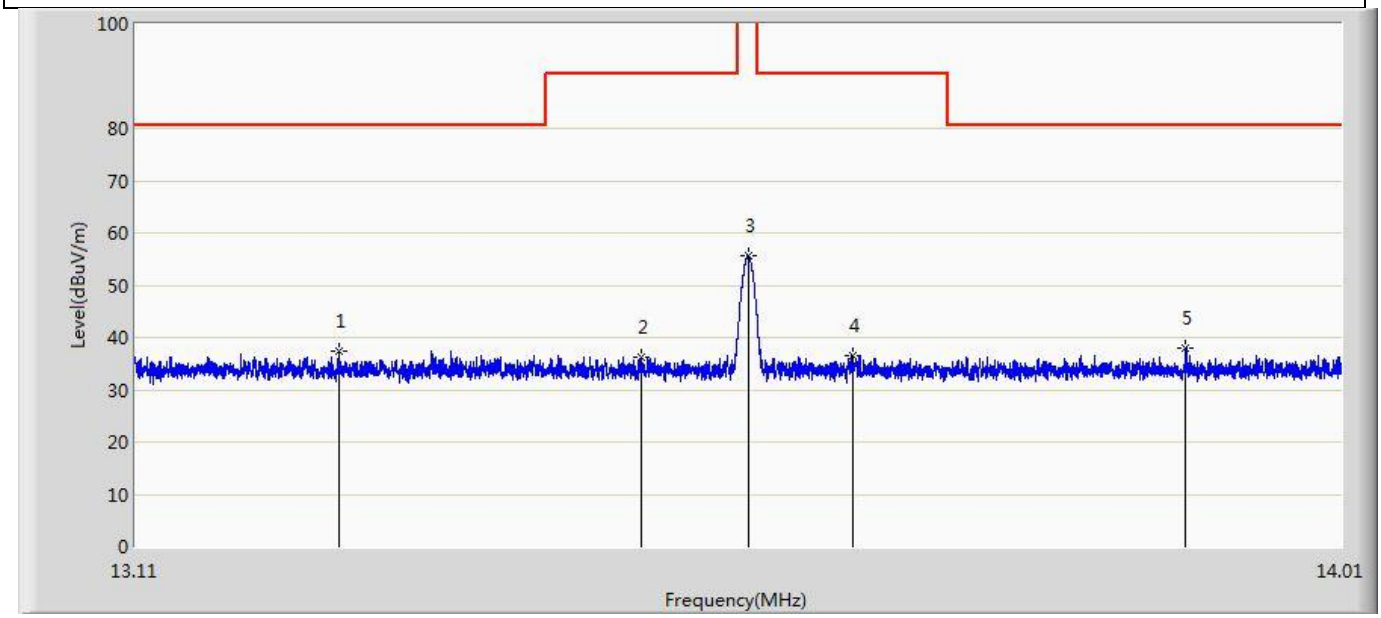


No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.163	28.884	19.159	-36.427	65.311	9.724	QP
2		0.163	13.922	4.197	-41.389	55.311	9.724	AV
3		0.370	33.315	23.658	-25.186	58.501	9.656	QP
4		0.370	24.361	14.705	-24.140	48.501	9.656	AV
5		0.438	40.459	30.813	-16.641	57.100	9.646	QP
6	*	0.438	33.345	23.699	-13.755	47.100	9.646	AV
7		0.878	31.217	21.501	-24.783	56.000	9.716	QP
8		0.878	23.841	14.125	-22.159	46.000	9.716	AV
9		2.950	29.036	19.261	-26.964	56.000	9.775	QP
10		2.950	22.176	12.401	-23.824	46.000	9.775	AV
11		5.542	26.408	16.540	-33.592	60.000	9.868	QP
12		5.542	19.638	9.770	-30.362	50.000	9.868	AV

Note:
1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

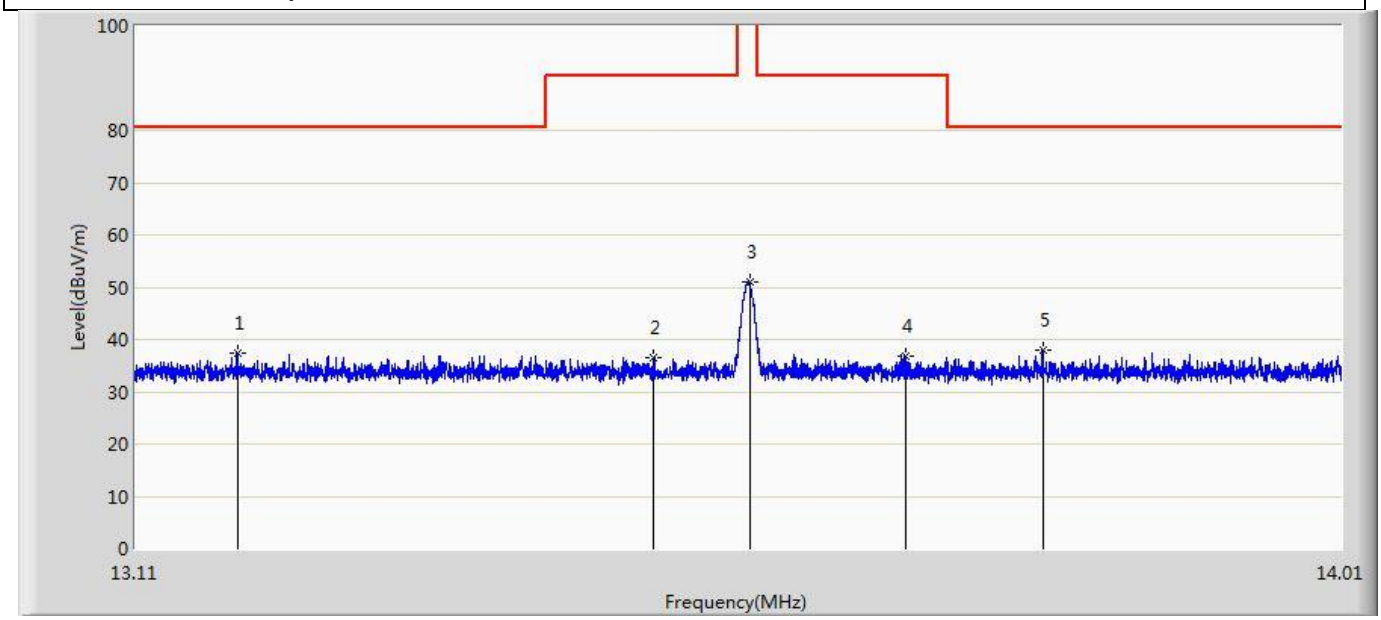
Appendix B: E-field Emission

Profile: 24C0967R	Page No.: 7
Engineer: Yuliu	
Site: AC2	Time: 2025/04/05 - 14:09
Limit: FCC-15.225-E-field Emission	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: X
EUT: Mobile Computer	Power: By Battery
Note: Mode 1: Transmit by NFC	



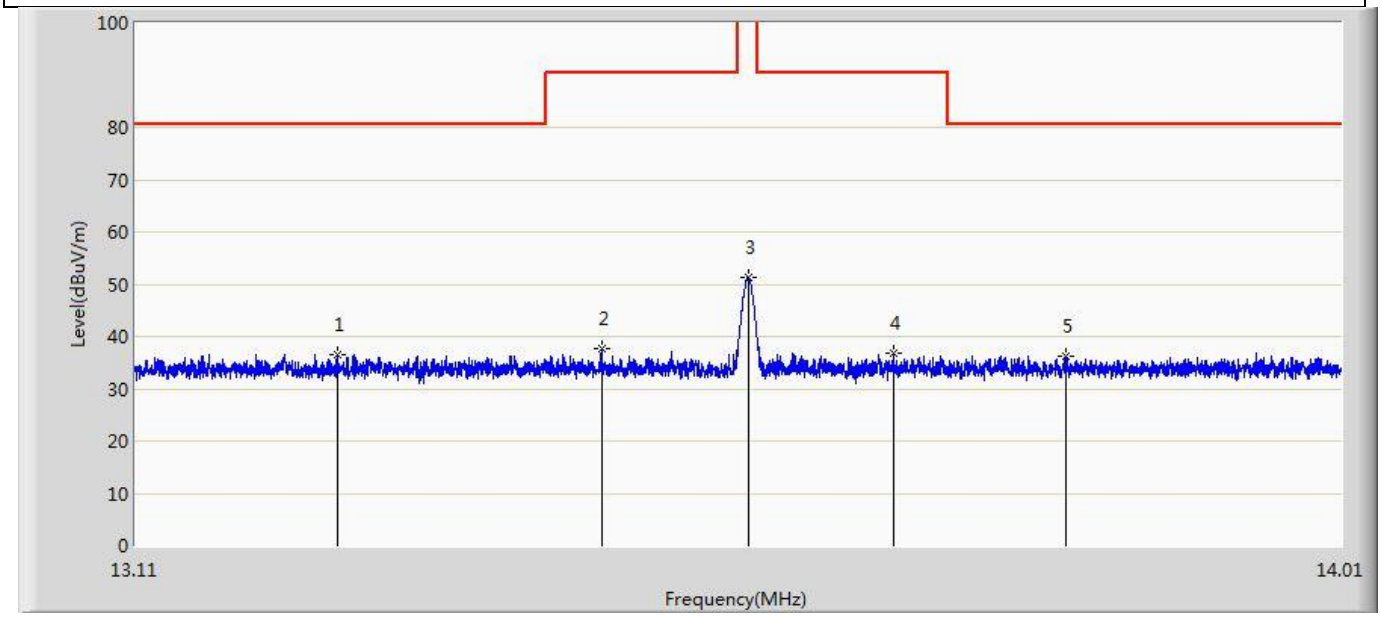
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		13.258	37.251	16.236	-43.249	80.500	21.015	QP
2		13.480	36.318	15.277	-54.182	90.500	21.041	QP
3		13.560	55.524	34.472	-68.476	124.000	21.052	QP
4		13.638	36.520	15.454	-53.980	90.500	21.066	QP
5	*	13.891	37.956	16.852	-42.544	80.500	21.104	QP

Profile: 24C0967R	Page No.: 8
Engineer: Yuliu	
Site: AC2	Time: 2025/04/05 - 14:11
Limit: FCC-15.225-E-field Emission	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Y
EUT: Mobile Computer	Power: By Battery
Note: Mode 1: Transmit by NFC	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		13.184	37.469	16.463	-43.031	80.500	21.006	QP
2		13.490	36.505	15.460	-53.995	90.500	21.045	QP
3		13.561	51.069	30.017	-72.931	124.000	21.052	QP
4		13.678	36.935	15.863	-53.565	90.500	21.072	QP
5	*	13.782	37.831	16.747	-42.669	80.500	21.084	QP

Profile: 24C0967R	Page No.: 9
Engineer: Yuliu	
Site: AC2	Time: 2025/04/05 - 14:12
Limit: FCC-15.225-E-field Emission	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Z
EUT: Mobile Computer	Power: By Battery
Note: Mode 1: Transmit by NFC	

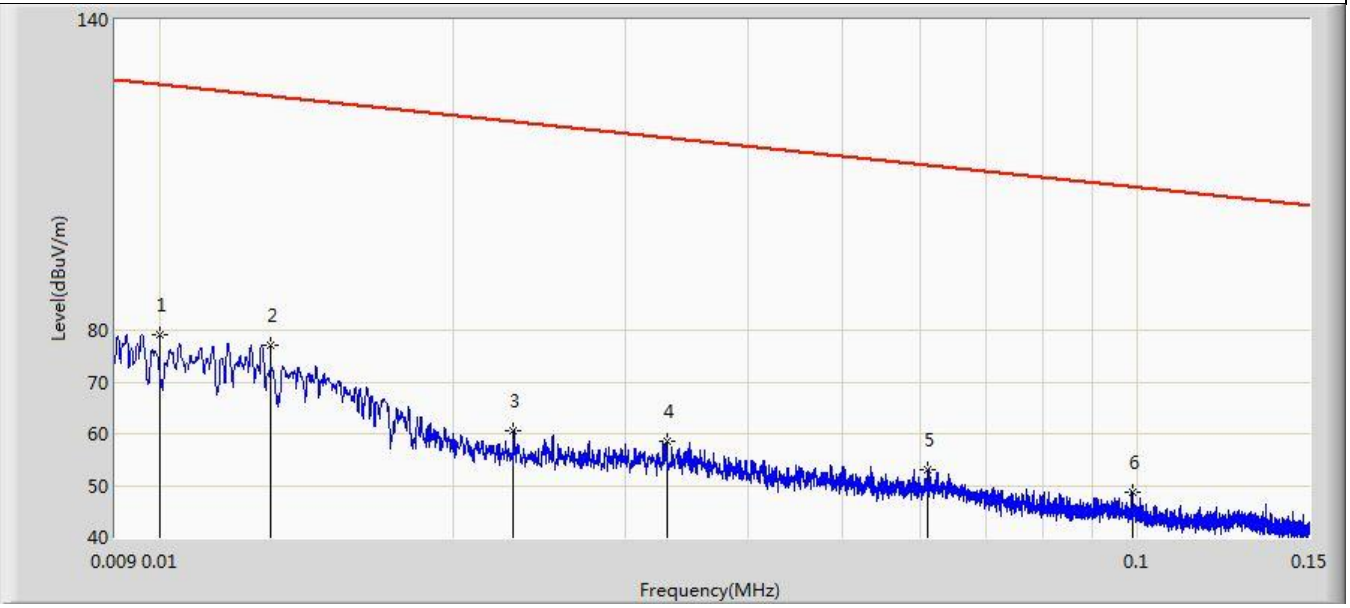


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	13.257	36.386	15.372	-44.114	80.500	21.014	QP
2		13.451	37.670	16.630	-52.830	90.500	21.040	QP
3		13.560	51.231	30.179	-72.769	124.000	21.052	QP
4		13.669	36.832	15.761	-53.668	90.500	21.071	QP
5		13.800	36.238	15.155	-44.262	80.500	21.083	QP

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

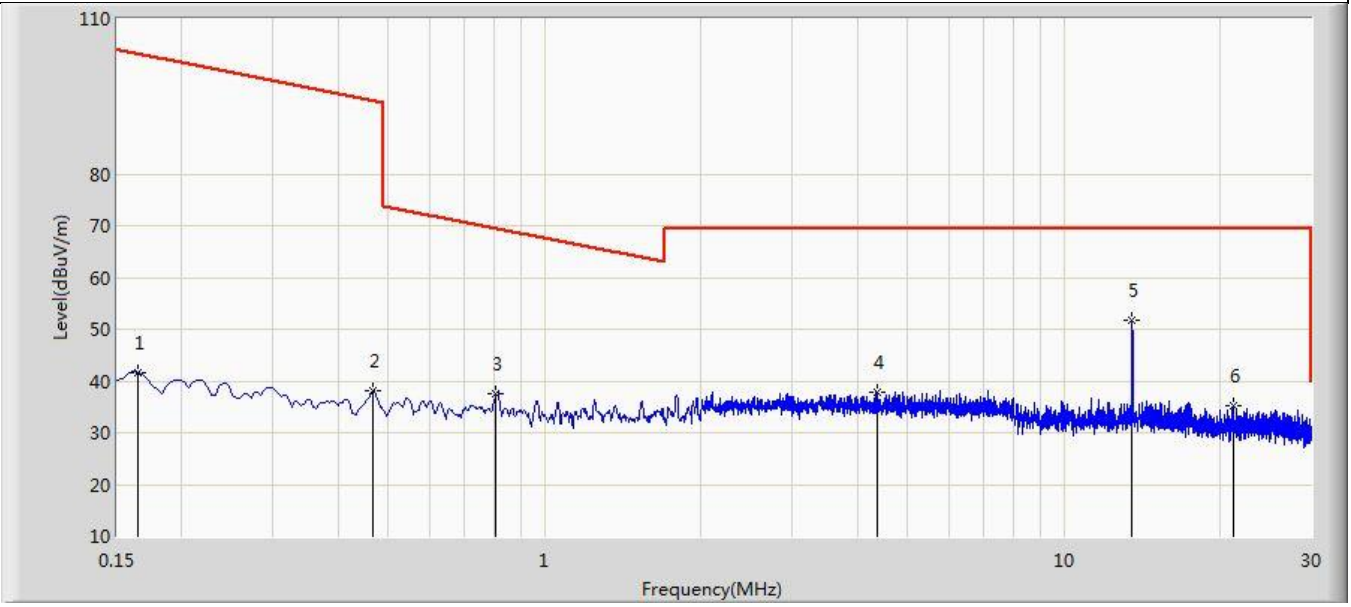
Appendix C: Field Strength of Spurious

Profile: 24C0967R	Page No.: 1
Engineer: Yuliu	
Site: AC2	Time: 2025/04/05 - 13:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: X
EUT: Mobile Computer	Power: By Battery
Note: Mode 1: Transmit by NFC	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.010	79.113	58.051	-48.472	127.585	21.062	PK
2	*	0.013	77.211	56.055	-48.097	125.308	21.155	PK
3		0.023	60.685	39.219	-59.670	120.355	21.466	PK
4		0.033	58.531	36.755	-58.690	117.221	21.776	PK
5		0.061	52.992	31.054	-58.895	111.887	21.938	PK
6		0.099	48.587	26.693	-59.096	107.684	21.894	PK

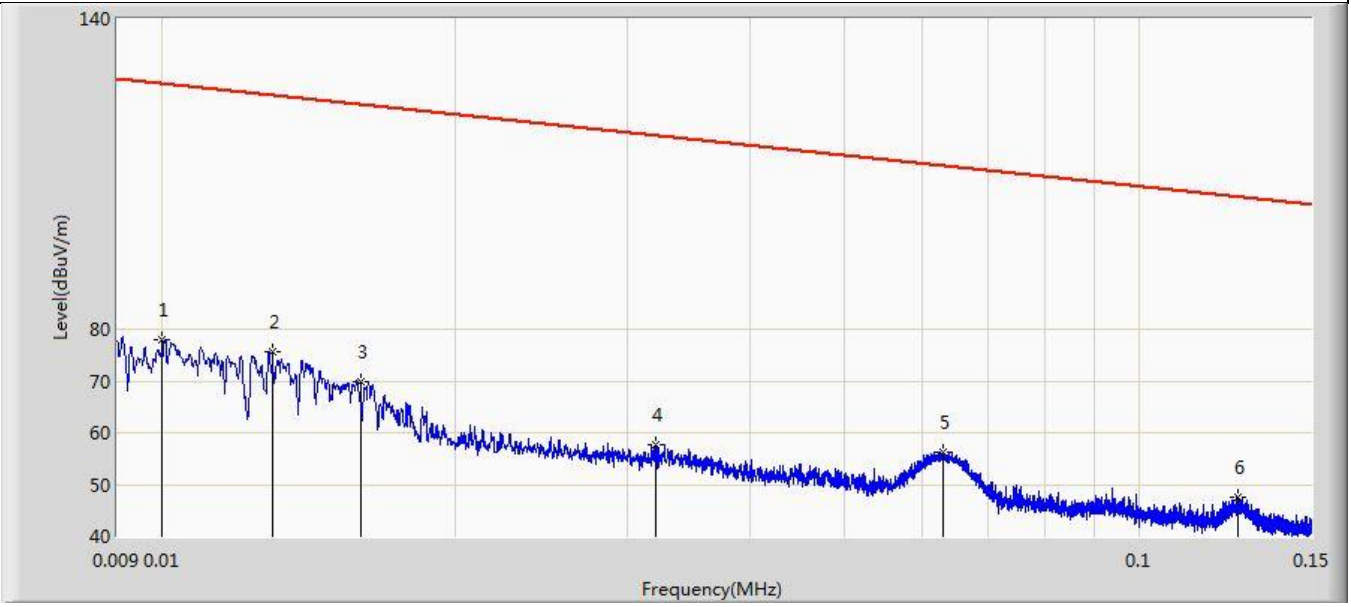
Profile: 24C0967R	Page No.: 2
Engineer: Yuliu	
Site: AC2	Time: 2025/04/05 - 13:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: X
EUT: Mobile Computer	Power: By Battery
Note: Mode 1: Transmit by NFC	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.165	41.624	19.796	-61.625	103.249	21.828	PK
2		0.467	38.109	16.587	-56.109	94.217	21.522	PK
3		0.807	37.664	17.127	-31.814	69.479	20.537	PK
4		4.363	37.809	17.148	-31.691	69.500	20.661	PK
5	*	13.560	51.657	30.605	-17.843	69.500	21.052	PK
6		21.217	35.087	14.583	-34.413	69.500	20.504	PK

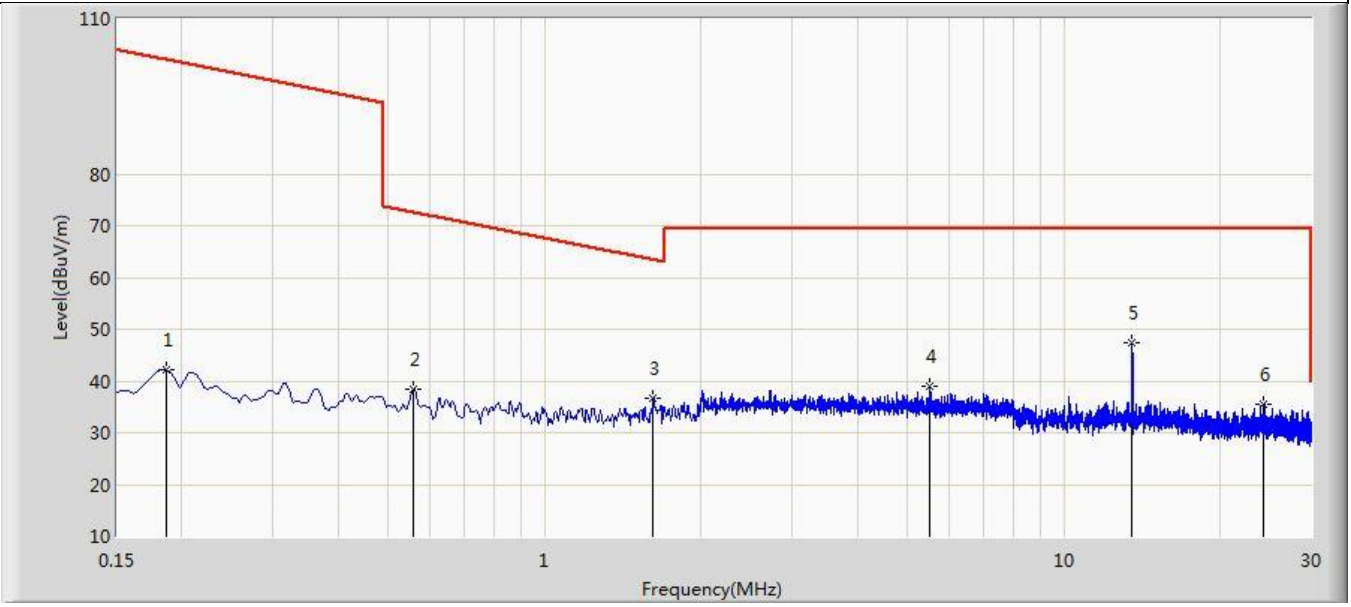
Note 1. Mark 5 is the fundamental emission.
2. Except Main frequency, others are noise floor.

Profile: 24C0967R	Page No.: 3
Engineer: Yuliu	
Site: AC2	Time: 2025/04/05 - 13:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Y
EUT: Mobile Computer	Power: By Battery
Note: Mode 1: Transmit by NFC	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	0.010	78.080	57.018	-49.505	127.585	21.062	PK
2		0.013	75.644	54.488	-49.664	125.308	21.155	PK
3		0.016	69.725	48.476	-53.781	123.505	21.248	PK
4		0.032	57.648	35.903	-59.840	117.488	21.745	PK
5		0.063	56.363	34.427	-55.244	111.607	21.936	PK
6		0.126	47.496	25.632	-58.094	105.590	21.864	PK

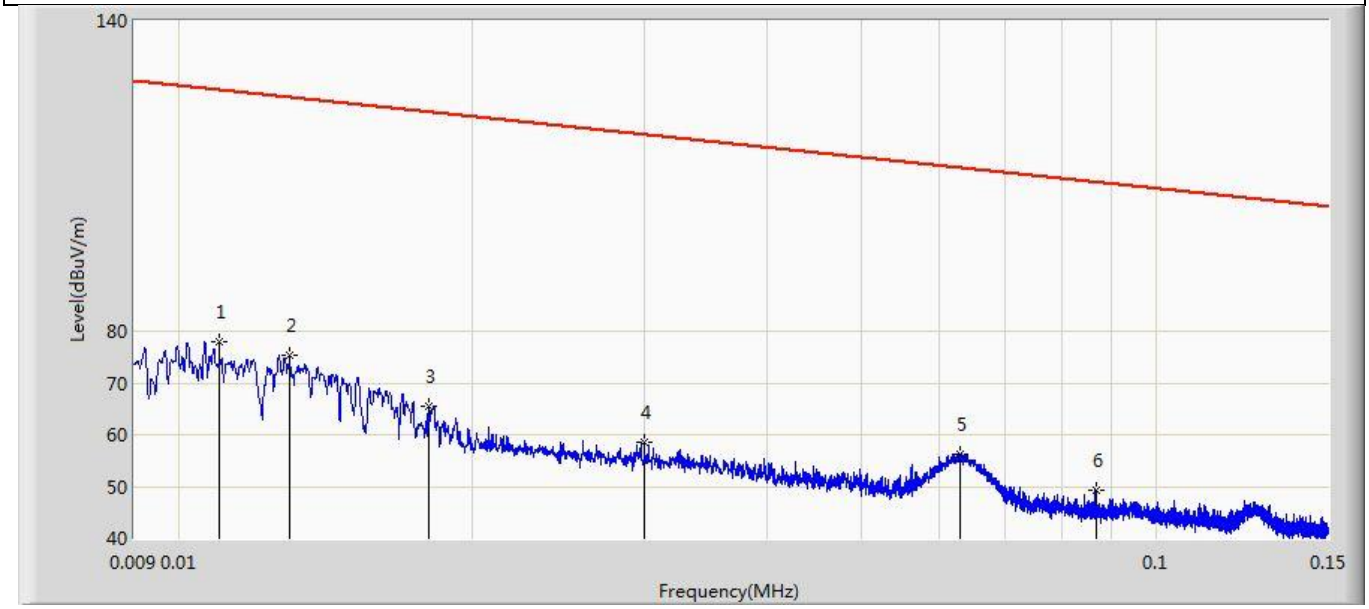
Profile: 24C0967R	Page No.: 4
Engineer: Yuliu	
Site: AC2	Time: 2025/04/05 - 14:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Y
EUT: Mobile Computer	Power: By Battery
Note: Mode 1: Transmit by NFC	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.187	42.035	20.239	-60.128	102.162	21.796	PK
2		0.560	38.312	17.020	-34.331	72.643	21.292	PK
3		1.620	36.647	16.077	-26.796	63.443	20.569	PK
4		5.534	39.103	18.521	-30.397	69.500	20.582	PK
5	*	13.560	47.393	26.341	-22.107	69.500	21.052	PK
6		24.336	35.407	14.347	-34.093	69.500	21.060	PK

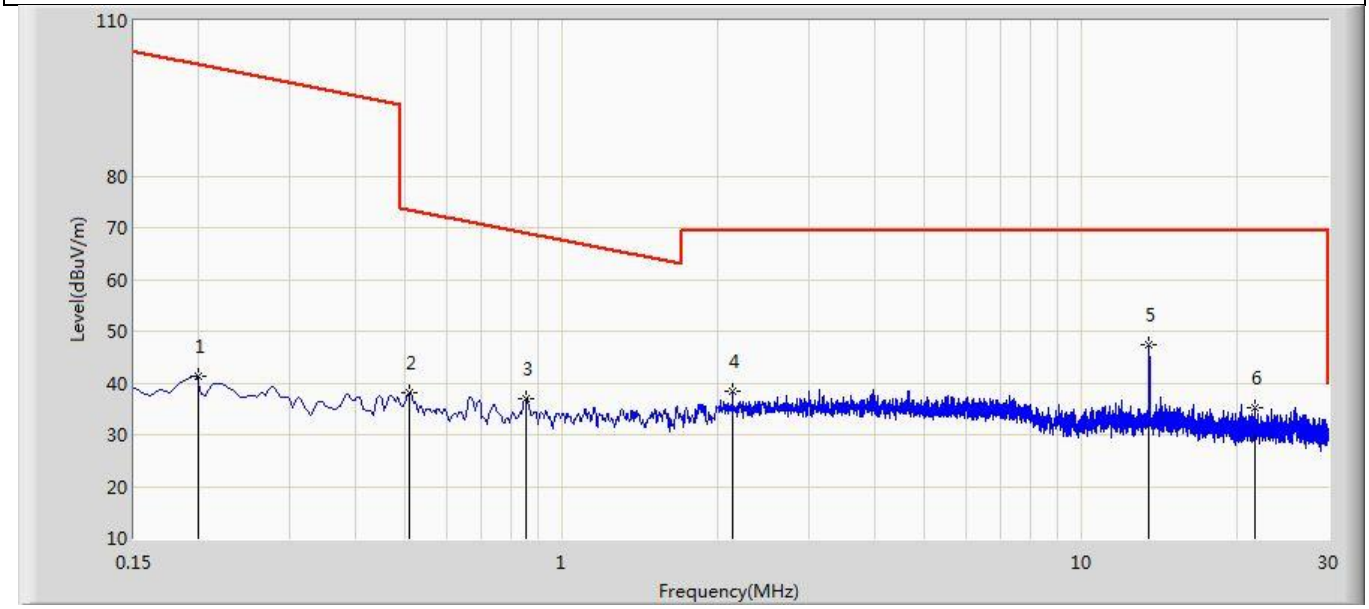
Note 1. Mark 5 is the fundamental emission.
2. Except Main frequency, others are noise floor.

Profile: 24C0967R	Page No.: 5
Engineer: Yuliu	
Site: AC2	Time: 2025/04/05 - 14:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Z
EUT: Mobile Computer	Power: By Battery
Note: Mode 1: Transmit by NFC	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	0.011	78.107	57.014	-48.650	126.758	21.094	PK
2		0.013	75.432	54.276	-49.876	125.308	21.155	PK
3		0.018	65.434	44.123	-57.049	122.483	21.311	PK
4		0.030	58.510	36.827	-59.538	118.048	21.683	PK
5		0.063	56.312	34.376	-55.295	111.607	21.936	PK
6		0.087	49.290	27.382	-59.515	108.805	21.908	PK

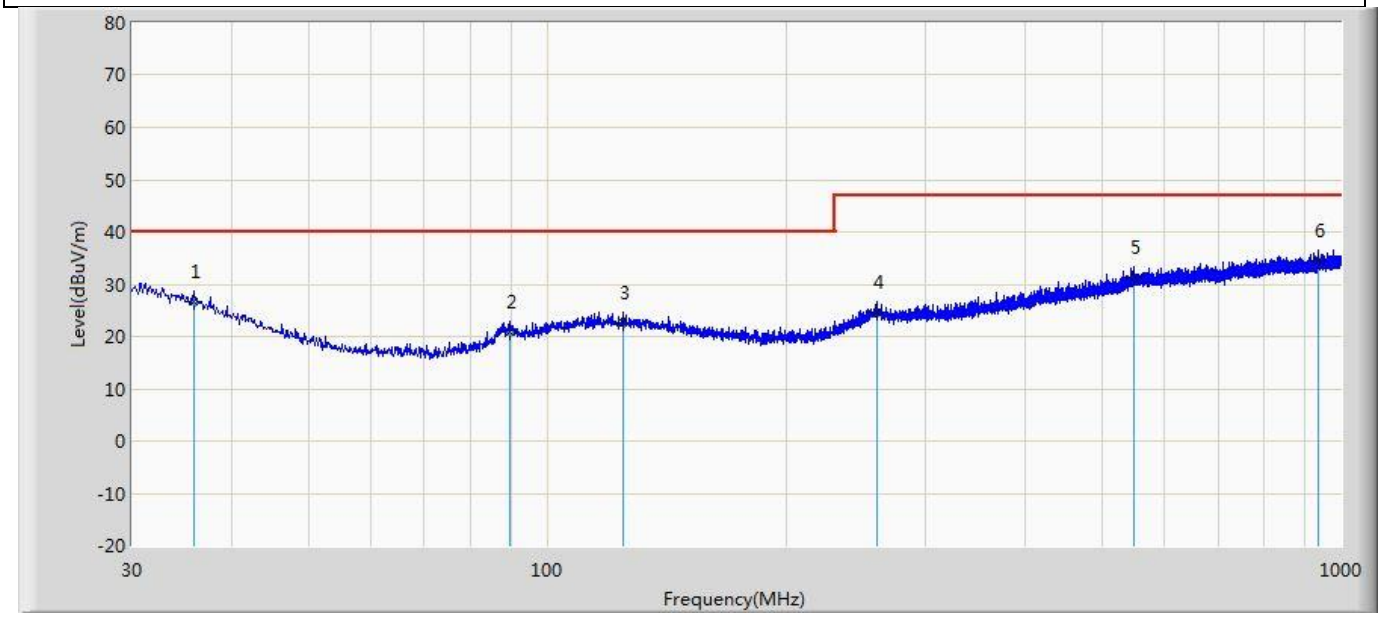
Profile: 24C0967R	Page No.: 6
Engineer: Yuliu	
Site: AC2	Time: 2025/04/05 - 14:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Z
EUT: Mobile Computer	Power: By Battery
Note: Mode 1: Transmit by NFC	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.199	41.267	19.479	-60.355	101.623	21.788	PK
2		0.508	38.094	16.648	-35.394	73.488	21.446	PK
3		0.855	36.900	16.519	-32.079	68.978	20.380	PK
4		2.139	38.515	17.585	-30.985	69.500	20.930	PK
5	*	13.564	47.438	26.386	-22.062	69.500	21.052	PK
6		21.646	35.093	14.512	-34.407	69.500	20.581	PK

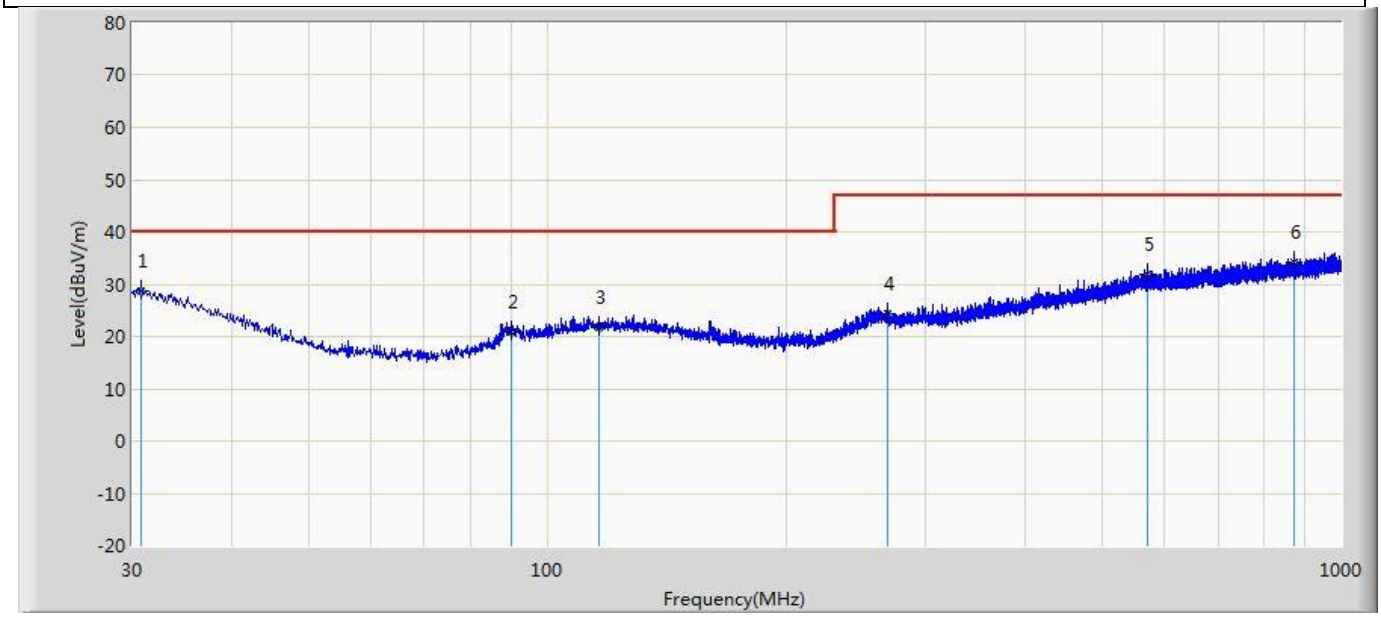
Note 1. Mark 5 is the fundamental emission.
2. Except Main frequency, others are noise floor.

Profile: 24C0967R	Page No.: 1
Engineer: Yuliu	
Site: AC2	Time: 2025/04/06 - 21:05
Limit: FCC Part 15.209	Margin: 0
Probe: CBL6112B_2933(30-1000MHz)	Polarity: Horizontal
EUT: Mobile Computer	Power: By Battery
Note: Mode 1: Transmit by NFC	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		35.941	26.693	4.449	-13.307	40.000	22.244	QP
2		89.897	20.887	4.848	-19.113	40.000	16.039	QP
3		124.454	22.615	3.496	-17.385	40.000	19.120	QP
4		260.011	24.598	3.304	-22.402	47.000	21.294	QP
5		549.071	31.313	3.831	-15.687	47.000	27.482	QP
6	*	934.889	34.558	4.384	-12.442	47.000	30.174	QP

Profile: 24C0967R	Page No.: 2
Engineer: Yuliu	
Site: AC2	Time: 2025/04/06 - 21:05
Limit: FCC Part 15.209	Margin: 0
Probe: CBL6112B_2933(30-1000MHz)	Polarity: Vertical
EUT: Mobile Computer	Power: By Battery
Note: Mode 1: Transmit by NFC	

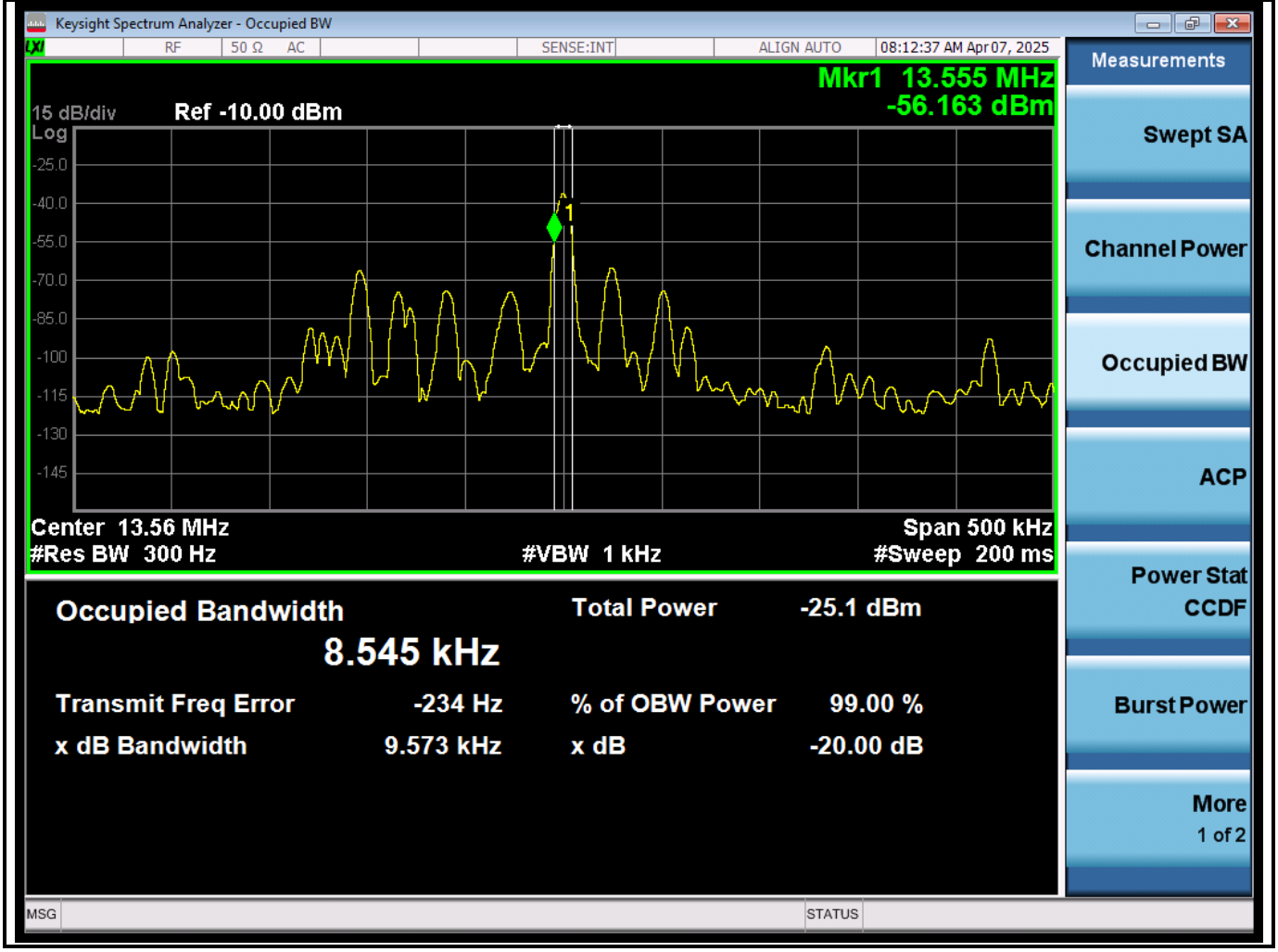


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	30.849	28.597	3.862	-11.403	40.000	24.735	QP
2		90.019	20.960	4.897	-19.040	40.000	16.063	QP
3		116.209	21.813	2.607	-18.187	40.000	19.206	QP
4		268.499	24.371	3.674	-22.629	47.000	20.697	QP
5		569.684	31.816	4.574	-15.184	47.000	27.242	QP
6		872.324	34.152	4.503	-12.848	47.000	29.649	QP

Note 1: " * ", means this data is the worst emission level.
Note 2: Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Appendix D: Emission Bandwidth

Frequency (MHz)	20dB Bandwidth (kHz)	99% Bandwidth (kHz)	Frequency Range Limit (MHz)	Result
13.56	9.573	8.545	13.553 ~ 13.567	Pass



Appendix E: Frequency Stability

Frequency Stability under Temperature at 0min			
Temperature Interval (℃)	Test Frequency (MHz)	Deviation (ppm)	Limit (ppm)
-20	13.56	-22.25	±100
-10	13.56	-22.55	±100
0	13.56	-23.58	±100
10	13.56	-23.23	±100
20	13.56	-23.79	±100
30	13.56	-23.53	±100
40	13.56	-23.66	±100
50	13.56	-23.75	±100
Frequency Stability under Temperature at 2min			
Temperature Interval (℃)	Test Frequency (MHz)	Deviation (ppm)	Limit (ppm)
-20	13.56	-23.22	±100
-10	13.56	-23.28	±100
0	13.56	-23.42	±100
10	13.56	-23.47	±100
20	13.56	-23.46	±100
30	13.56	-23.51	±100
40	13.56	-23.72	±100
50	13.56	-23.66	±100
Frequency Stability under Temperature at 5min			
Temperature Interval (℃)	Test Frequency (MHz)	Deviation (ppm)	Limit (ppm)
-20	13.56	-23.75	±100
-10	13.56	-23.63	±100
0	13.56	-23.42	±100
10	13.56	-23.52	±100
20	13.56	-23.77	±100
30	13.56	-23.85	±100
40	13.56	-23.99	±100
50	13.56	-23.88	±100
Frequency Stability under Temperature at 10min			
Temperature Interval (℃)	Test Frequency (MHz)	Deviation (ppm)	Limit (ppm)

-20	13.56	-24.11	±100
-10	13.56	-24.21	±100
0	13.56	-24.25	±100
10	13.56	-24.36	±100
20	13.56	-24.42	±100
30	13.56	-24.49	±100
40	13.56	-24.52	±100
50	13.56	-24.38	±100
Frequency Stability under Voltage			
DC Voltage (V)	Test Frequency (MHz)	Deviation (ppm)	Limit (ppm)
3.50	13.56	-24.22	±100
3.80	13.56	-24.66	±100
4.35	13.56	-24.53	±100

The End