FCC 47 CFR PART 18

TEST REPORT

Test Report No.	**: OT-237-RED-035**
Reception No.	**: 2307002116**
Applicant	**: LG Electronics USA, Inc.**
Address	**: 111 Sylvan Avenue, North Building, Englewood Cliffs, New Jersey, 07632, United States**
Manufacturer	**: LG Electronics USA, Inc.**
Address	**: 170, Seongsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do 51533 Korea**
Type of Equipment	**: HOUSEHOLD ELECTRIC RANGE**
Model Name	**: LSIL6334F**
Multiple Model Name	**: LSIL6334***
FCC ID.	**: BEJS47113H**
Serial number	**: N/A**
Total page of Report	**: 73 pages (including this page)**
Date of Incoming	**: July 10, 2023**
Test Period	**: July 11, 2023 ~ July 12, 2023**
Date of Issuing	**: July 17, 2023**

SUMMARY

The equipment complies with the requirement of ***FCC CFR 47 PART 18.***

This test report contains only the results of a single test of the sample supplied for the examination.

It is not a general valid assessment of the features of the respective products of the mass-production.

This report is not correlated with the "KS Q ISO/IEC 17025 and KOLAS accreditation" of Korean Laboratory Accreditation Scheme.

Reviewed by:

Sun-Teak, Oh / Manager
EMC Testing Div.
ONETECH Corp.

Approved by:

Seung-Hyun, Park / Senior Manager
EMC Testing Div.
ONETECH Corp.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

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ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

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APPENDIX A – TEST SET-UP PHOTOGRAPHS

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APPENDIX C – INTERNAL PHOTOGRAPHS

APPENDIX D – DECLARATION OF CONFORMITY

APPENDIX E – LABELLING REQUIREMENTS / INFORMATION TO THE USER IN USER'S MANUAL

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Revision History

Rev. No.	Issued Report No.	Issued Date	Revisions	Section Affected
0	OT-237-RED-035	July 17, 2023	Initial Issue	All

* Please contact us (e-mail: info@onetech.co.kr) for verification of this test report.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

1. VERIFICATION OF COMPLIANCE

APPLICANT	LG Electronics USA, Inc. 111 Sylvan Avenue, North Building, Englewood Cliffs, New Jersey, 07632, United States
MANUFACTURER	LG Electronics USA, Inc. 170, Seongsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do 51533 Korea
FACTORY	LG Electronics USA, Inc. 170, Seongsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do 51533 Korea

E.U.T. DESCRIPTION	HOUSEHOLD ELECTRIC RANGE
MEASUREMENT PROCEDURES	MP-5: 1986
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
STANDARDS	FCC Part 18, Section 18.311
MODIFICATIONS ON THE EQUIPMENT TO ACHIEVE COMPLIANCE	None
FINAL TEST WAS CONDUCTED ON	10 m semi anechoic chamber

ONETECH Corp. tested the above equipment in accordance with the requirements set forth in the above standard. The test results show that equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

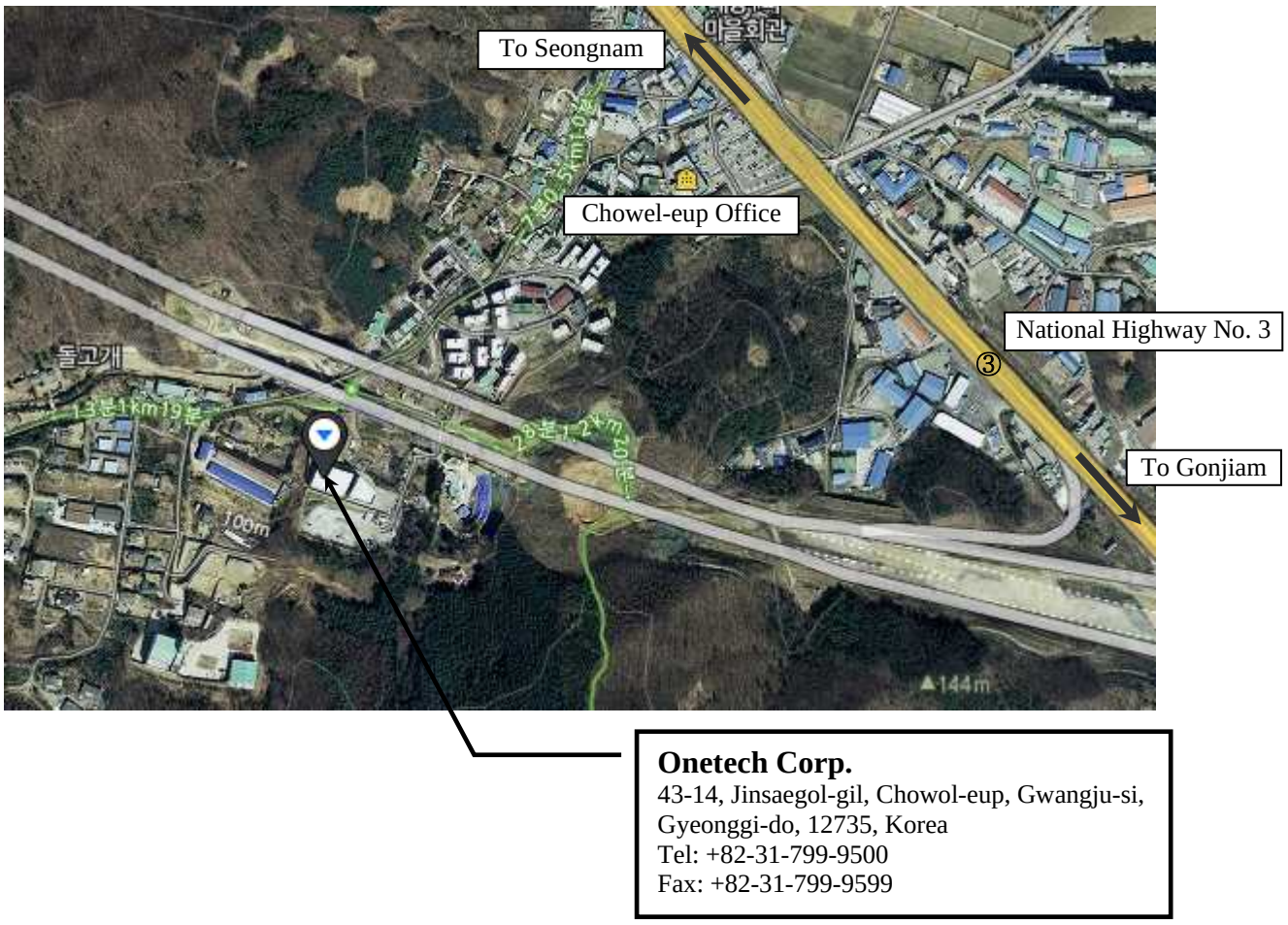
2. TEST FACILITY

The Onetech Corp. has been designated to perform equipment testing in compliance with ISO/IEC 17025 by Radio Research Agency as accreditation body. The Onetech Corp. is accredited for measuring devices subject to Declaration of Conformity (DOC) under Parts 15 & 18 as a Conformity Assessment Body (CAB) with designation number KR0013.

These measurement tests were conducted at Onetech Corp.

The 10 m semi anechoic chamber and conducted measurement facilities are located at

1) 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea.
2) 12-5, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea.



Onetech Corp.
43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si,
Gyeonggi-do, 12735, Korea
Tel: +82-31-799-9500
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3. PRODUCT INFORMATION

3.1 Description of EUT

The LG Electronics USA, Inc., Model LSIL6334F (referred to as the EUT in this report) is a HOUSEHOLD ELECTRIC RANGE.

Product specification described herein was obtained from product data sheet or user's manual.

CHASSIS TYPE	Metal & Plastic
LIST OF EACH OSC. or CRY. FREQ. (FREQ. >= 1 MHz)	10 MHz
RF OPERATING FREQUENCY	Wi-Fi 2.4 GHz (Wi-Fi Module Model: LCWB-001) * Wi-Fi Module FCC ID : BEJ-LCWB001
NUMBER OF PCB LAYERS	-
P. C. Board name	-
Induction cooking range Operating frequency (ISM frequency band)	26 kHz ~ 75 kHz
ELECTRICAL RATING	120/240 V, 11.4 kW Or 120/208 V, 9.45 kW/ 60 Hz
EXTERNAL CONNECTOR	AC IN

3.2 Model Differences

LSIL6334F, LSIL6334*		
Variable	Range of variable	Content
1st '*'	A to Z	Cosmetic features.

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3.3 Support Equipment

The model numbers for all the equipment that were used in the tested system is:

Description	Model	Manufacturer	Connected to
HOUSEHOLD ELECTRIC RANGE (EUT)	LSIL6334F	LG Electronics USA, Inc.	-

3.4 System Configuration

DEVICE TYPE	MODEL/PART NUMBER	MANUFACTURER
HOUSEHOLD ELECTRIC RANGE	LSIL6334F	LG Electronics USA, Inc.

3.5 System Configuration

Ports Name	Shielded	Ferrite Bead	Metal Shell	Length (m)	Connected to
AC IN	N	N	N	1.5	LISN

3.6 Equipment Modifications

-. None

3.7 Information of Measurement Software

	Chamber name	Software name	Software version
☐ -	Conducted Emission #1	Noise Terminal Voltage Measurement	2.00.0180
☐ -	Conducted Emission #2	EMC32	10.60.10
■ -	Conducted Emission #3	Noise Terminal Voltage Measurement	2.00.0178
☐ -	Radiated Emission 10 m SAC 1	Radiated Emission Measurement	2.00.0201
■ -	Radiated Emission 10 m SAC 2	Radiated Emission Measurement	2.00.0202
☐ -	Radiated Emission 3 m SAC	Radiated Emission Measurement	2.00.0202

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4. DESCRIPTION OF TESTS

4.1 Test Methodology

Both conducted and radiated testing was performed according to the procedures in MP-5: 1986.

Radiated testing was performed at a distance of 10 m from EUT to the antenna.

4.2 Test Condition

The test conditions of the noted test mode(s) in this test report are;

-. Test Voltage / Frequency:

1) AC 208/240 V / 60 Hz

Test Mode		Operating States
1	Cook mode	After AC power was applied to the EUT, the test was performed by observing the cook mode operation status through the EUT.

4.3 Conducted Emission

The EUT was placed on non-conductive support 0.1 m above a reference ground plane (RGP) and were put into operation according to the specified operating mode.

The power of EUT is fed through a 50 Ω / 50 μH + 5 Ω LISN and all support equipment is powered from another LISN.

Powers to the LISN are filtered by high-current high insertion loss power line filter.

Sufficient time for EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition.

The RF output of the LISN was connected to the EMI test receiver.

Exploratory measurements were conducted to identify the highest emission by operating the EUT in a range of typical modes of operation, cable positions, system configuration and arrangement.

Based on exploratory measurements, the final measurements were conducted at the worst test conditions.

Exploratory measurements were scanned using Peak mode of EMI Test receiver from 9 kHz to 30 MHz with 20 ms sweep time. The final measurements were measured with Quasi-Peak and CISPR Average mode.

4.4 Radiated Emission

Exploratory Radiated measurements were conducted at the 10 m semi anechoic chamber in order to identify the highest emission by operating the EUT in a range of typical modes of operation, cable positions, system configuration and arrangement.

Based on exploratory measurements, the final measurements were conducted at the worst test conditions.

Final measurements were made at 10 m semi anechoic chamber that complies with CISPR 16/MP-5.

Exploratory measurements were scanned using Peak mode of EMI Test receiver and final measurements were measured with Quasi-Peak mode .

The system was rotated 360°, and the antenna was varied in height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for both horizontal and vertical polarization of the receiving antenna.

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5. FINAL RESULT OF MEASUREMENT

Exploratory measurement was done in normal operation mode. And the final measurement was selected for the maximized emission level.

5.1 Conducted Emission Test

5.1.1 Operating Environment

Temperature : 23.4 °C

Relative humidity : 51.2 % R.H.

5.1.2 Test Setup

The EUT and all local support equipment were placed on non-conductive support 0.1 m above a reference ground plane . The power of EUT was fed through a 50 Ω/ 50 μH + 5 Ω LISN. The ground plane was electrically bonded to the reference ground system and all power lines were filtered from ambient.

5.1.3 Measurement uncertainty

Conducted emission, quasi-peak detection : 2.1 dB

Conducted emission, CISPR-average detection : 2.1 dB

Measurement uncertainty is calculated in accordance with CISPR 16-4-2. The measurement uncertainty is given with a confidence of 95 % with the coverage factor, k = 2.

5.1.4 Limit

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	CISPR Average
0.009-0.05	110	-
0.05-0.15	90-80*	-
0.15-0.5	66 to 56*	56 to 46*
0.5 ~ 5	56	46
5 ~ 30	60	50

* Decreases with the logarithm of the frequency

5.1.5 Test Equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal. (Interval)
■ -	ESCI	Rohde & Schwarz	Test Receiver	101420	Mar. 06, 2023 (1Y)
■ -	NNLK8121	Schwarzbeck	LISN	804	Oct. 14, 2022 (1Y)
□	3825/2	EMCO	AMN	9109-1867	Mar. 07, 2023 (1Y)
■ -	11947A	Hewlett Packard	Transient Limiter	3107A02762	Mar. 07, 2023 (1Y)

All test equipment used is calibrated on a regular basis.

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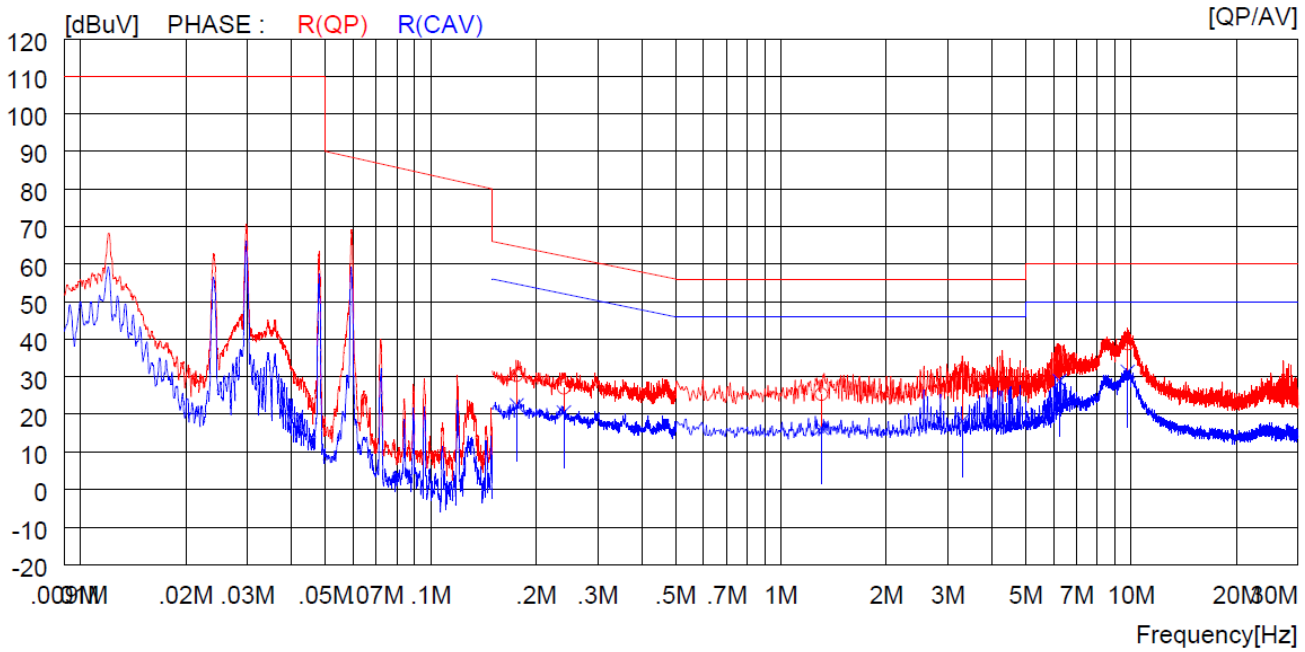
5.1.6 Test Data

5.1.6.1 Operating Condition: AC 208 / 60 Hz

-. Test Result : Pass

Tested by: Young-Jae, Kim / Project Engineer

Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R



NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.17600	20.0	----	10.4	30.4	----	64.7	----	34.3	----	R(QP)
2	0.24000	16.6	----	10.4	27.0	----	62.1	----	35.1	----	R(QP)
3	1.30600	15.1	----	10.2	25.3	----	56.0	----	30.7	----	R(QP)
4	3.29000	21.3	----	10.3	31.6	----	56.0	----	24.4	----	R(QP)
5	6.25000	23.9	----	10.5	34.4	----	60.0	----	25.6	----	R(QP)
6	9.77500	28.2	----	10.6	38.8	----	60.0	----	21.2	----	R(QP)
7	0.17600	----	12.0	10.4	----	22.4	----	54.7	----	32.3	R(CAV)
8	0.24000	----	10.2	10.4	----	20.6	----	52.1	----	31.5	R(CAV)
9	1.30600	----	6.2	10.2	----	16.4	----	46.0	----	29.6	R(CAV)
10	3.29000	----	7.9	10.3	----	18.2	----	46.0	----	27.8	R(CAV)
11	6.25000	----	18.4	10.5	----	28.9	----	50.0	----	21.1	R(CAV)
12	9.77500	----	20.8	10.6	----	31.4	----	50.0	----	18.6	R(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

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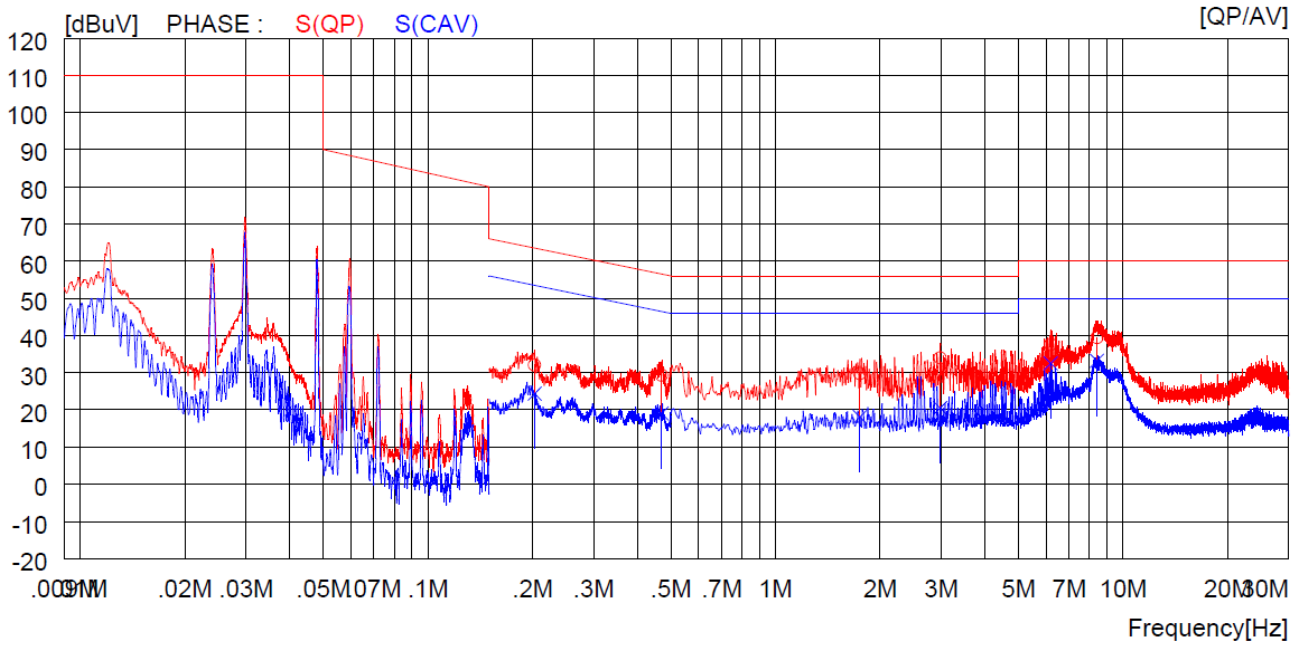
Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S



NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.20300	21.7	----	10.4	32.1	----	63.5	----	31.4	----	S(QP)
2	0.47100	19.0	----	10.3	29.3	----	56.5	----	27.2	----	S(QP)
3	1.75100	19.6	----	10.2	29.8	----	56.0	----	26.2	----	S(QP)
4	2.97500	23.7	----	10.3	34.0	----	56.0	----	22.0	----	S(QP)
5	6.19000	27.0	----	10.5	37.5	----	60.0	----	22.5	----	S(QP)
6	8.42000	29.0	----	10.5	39.5	----	60.0	----	20.5	----	S(QP)
7	0.20300	----	14.0	10.4	----	24.4	----	53.5	----	29.1	S(CAV)
8	0.47100	----	8.8	10.3	----	19.1	----	46.5	----	27.4	S(CAV)
9	1.75100	----	7.9	10.2	----	18.1	----	46.0	----	27.9	S(CAV)
10	2.97500	----	10.2	10.3	----	20.5	----	46.0	----	25.5	S(CAV)
11	6.19000	----	22.0	10.5	----	32.5	----	50.0	----	17.5	S(CAV)
12	8.42000	----	22.7	10.5	----	33.2	----	50.0	----	16.8	S(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

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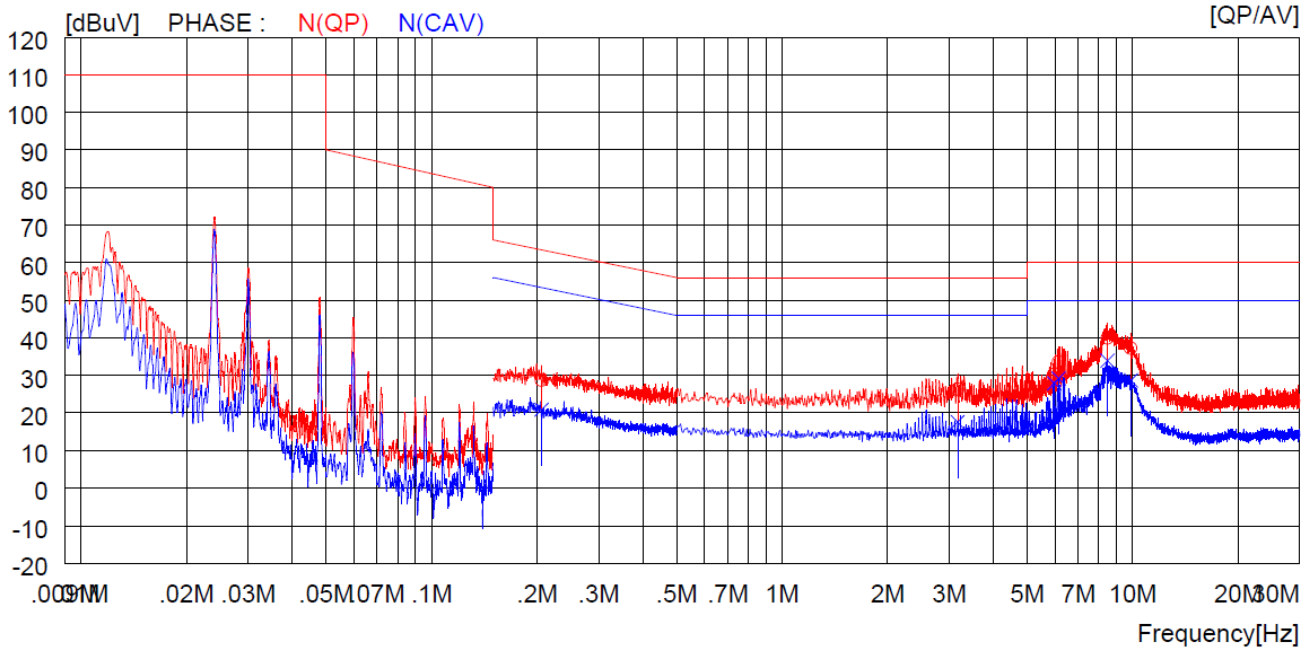
Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N



NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.20600	18.3	----	10.4	28.7	----	63.4	----	34.7	----	N(QP)
2	3.16900	16.0	----	10.3	26.3	----	56.0	----	29.7	----	N(QP)
3	5.97500	19.8	----	10.5	30.3	----	60.0	----	29.7	----	N(QP)
4	6.15500	23.1	----	10.5	33.6	----	60.0	----	26.4	----	N(QP)
5	8.48000	29.4	----	10.5	39.9	----	60.0	----	20.1	----	N(QP)
6	9.89000	26.7	----	10.6	37.3	----	60.0	----	22.7	----	N(QP)
7	0.20600	----	10.5	10.4	----	20.9	----	53.4	----	32.5	N(CAV)
8	3.16900	----	7.3	10.3	----	17.6	----	46.0	----	28.4	N(CAV)
9	5.97500	----	17.4	10.5	----	27.9	----	50.0	----	22.1	N(CAV)
10	6.15500	----	18.7	10.5	----	29.2	----	50.0	----	20.8	N(CAV)
11	8.48000	----	23.4	10.5	----	33.9	----	50.0	----	16.1	N(CAV)
12	9.89000	----	18.1	10.6	----	28.7	----	50.0	----	21.3	N(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

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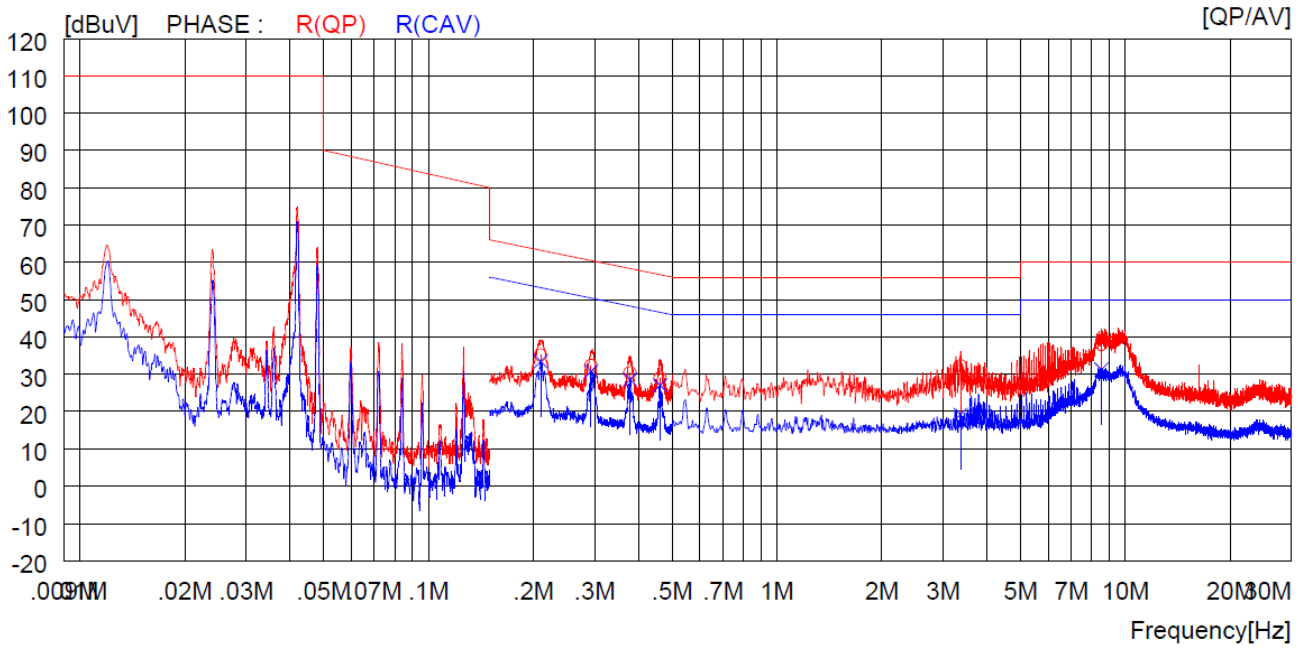
Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R



NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.21000	24.8	----	10.4	35.2	----	63.2	----	28.0	----	R(QP)
2	0.29300	22.0	----	10.3	32.3	----	60.4	----	28.1	----	R(QP)
3	0.37900	20.1	----	10.3	30.4	----	58.3	----	27.9	----	R(QP)
4	0.46200	18.7	----	10.3	29.0	----	56.7	----	27.7	----	R(QP)
5	3.36200	21.9	----	10.3	32.2	----	56.0	----	23.8	----	R(QP)
6	8.53000	27.5	----	10.5	38.0	----	60.0	----	22.0	----	R(QP)
7	0.21000	----	23.1	10.4	----	33.5	----	53.2	----	19.7	R(CAV)
8	0.29300	----	20.5	10.3	----	30.8	----	50.4	----	19.6	R(CAV)
9	0.37900	----	18.3	10.3	----	28.6	----	48.3	----	19.7	R(CAV)
10	0.46200	----	16.8	10.3	----	27.1	----	46.7	----	19.6	R(CAV)
11	3.36200	----	8.9	10.3	----	19.2	----	46.0	----	26.8	R(CAV)
12	8.53000	----	20.8	10.5	----	31.3	----	50.0	----	18.7	R(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

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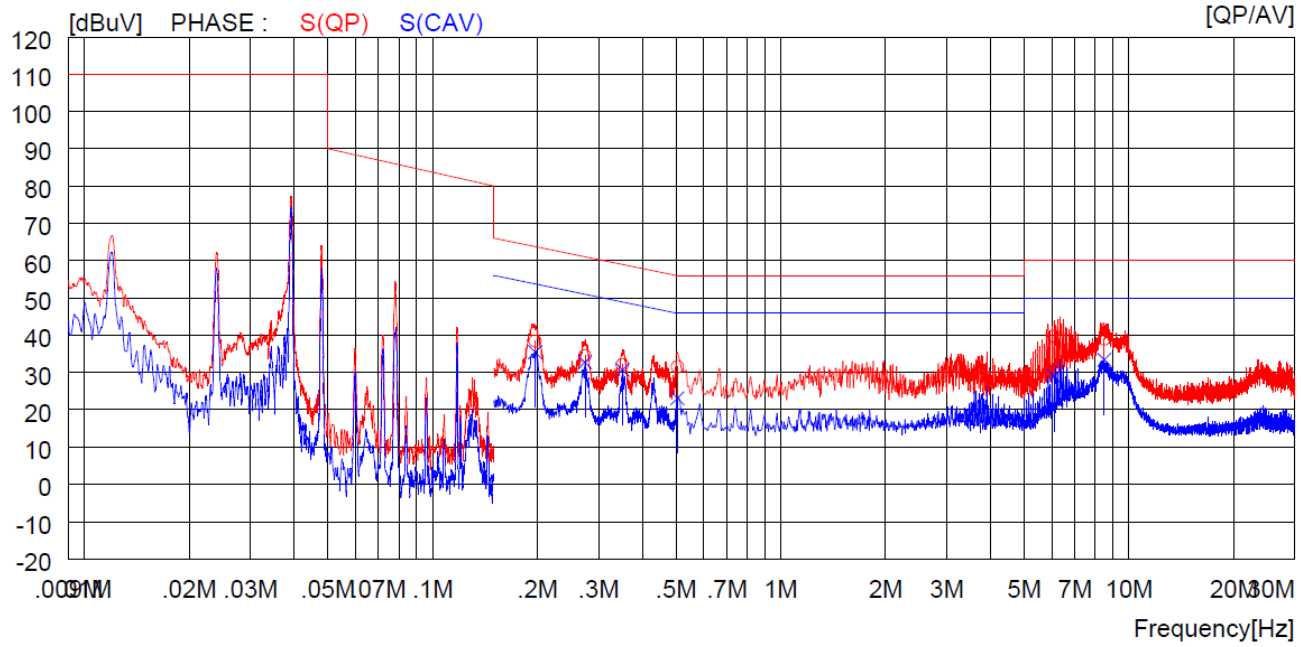
Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S



NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.19700	28.0	----	10.4	38.4	----	63.7	----	25.3	----	S(QP)
2	0.27400	24.1	----	10.3	34.4	----	61.0	----	26.6	----	S(QP)
3	0.35100	21.8	----	10.3	32.1	----	58.9	----	26.8	----	S(QP)
4	0.50500	21.2	----	10.3	31.5	----	56.0	----	24.5	----	S(QP)
5	6.10000	29.3	----	10.5	39.8	----	60.0	----	20.2	----	S(QP)
6	8.49500	28.5	----	10.5	39.0	----	60.0	----	21.0	----	S(QP)
7	0.19700	----	25.0	10.4	----	35.4	----	53.7	----	18.3	S(CAV)
8	0.27400	----	22.5	10.3	----	32.8	----	51.0	----	18.2	S(CAV)
9	0.35100	----	20.4	10.3	----	30.7	----	48.9	----	18.2	S(CAV)
10	0.50500	----	12.8	10.3	----	23.1	----	46.0	----	22.9	S(CAV)
11	6.10000	----	18.5	10.5	----	29.0	----	50.0	----	21.0	S(CAV)
12	8.49500	----	22.9	10.5	----	33.4	----	50.0	----	16.6	S(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

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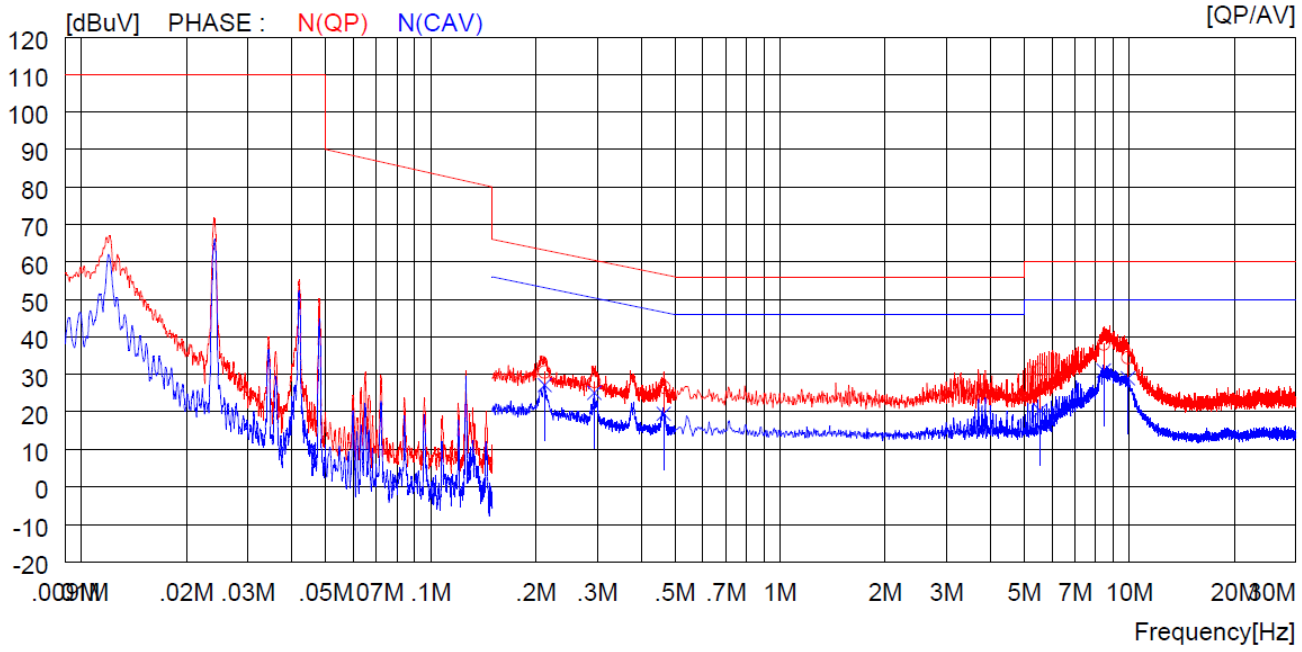
Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N



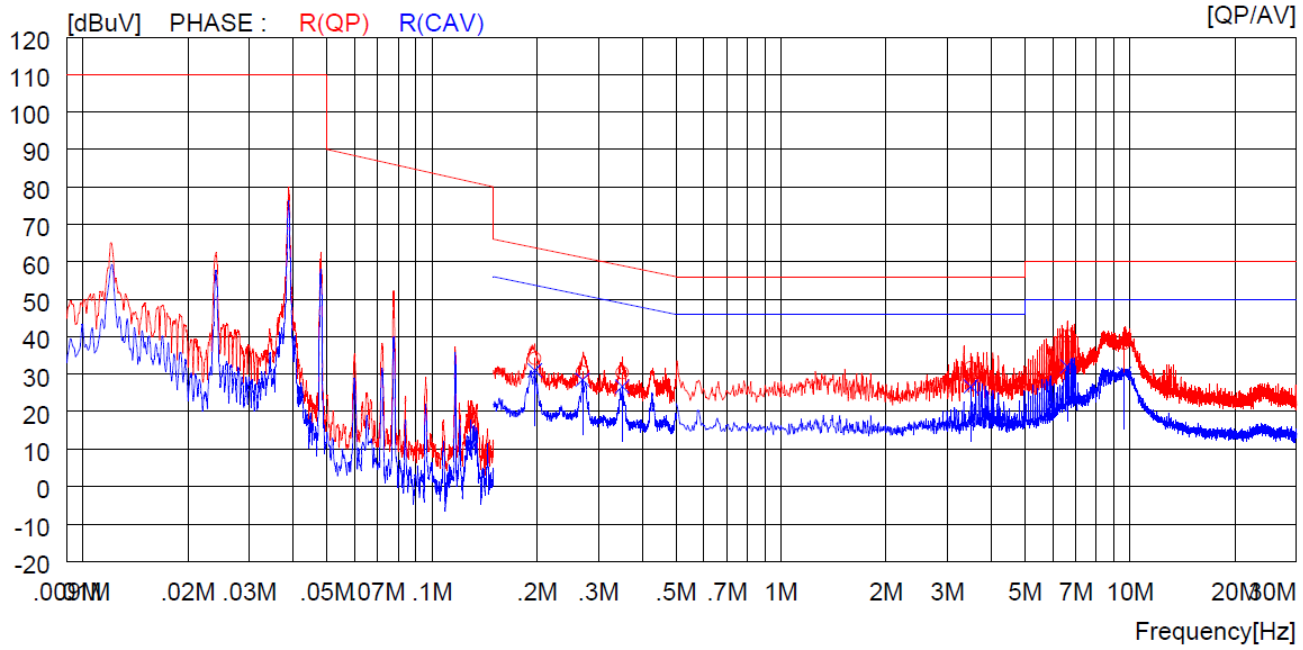
NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.21200	20.3	----	10.4	30.7	----	63.1	----	32.4	----	N(QP)
2	0.29400	17.8	----	10.3	28.1	----	60.4	----	32.3	----	N(QP)
3	0.46500	16.3	----	10.3	26.6	----	56.6	----	30.0	----	N(QP)
4	5.55000	20.8	----	10.5	31.3	----	60.0	----	28.7	----	N(QP)
5	8.44000	27.6	----	10.5	38.1	----	60.0	----	21.9	----	N(QP)
6	9.89500	23.9	----	10.6	34.5	----	60.0	----	25.5	----	N(QP)
7	0.21200	----	16.8	10.4	----	27.2	----	53.1	----	25.9	N(CAV)
8	0.29400	----	14.8	10.3	----	25.1	----	50.4	----	25.3	N(CAV)
9	0.46500	----	9.2	10.3	----	19.5	----	46.6	----	27.1	N(CAV)
10	5.55000	----	9.9	10.5	----	20.4	----	50.0	----	29.6	N(CAV)
11	8.44000	----	20.5	10.5	----	31.0	----	50.0	----	19.0	N(CAV)
12	9.89500	----	18.4	10.6	----	29.0	----	50.0	----	21.0	N(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R



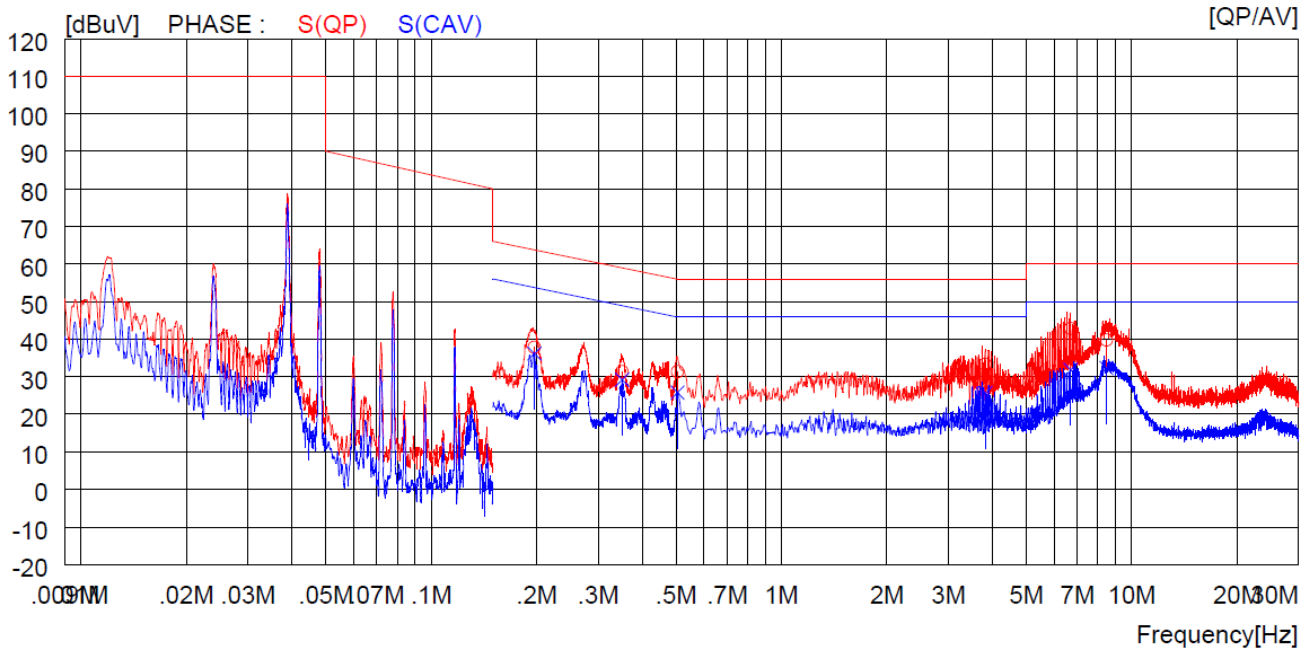
NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.19700	23.8	----	10.4	34.2	----	63.7	----	29.5	----	R(QP)
2	0.27000	20.3	----	10.3	30.6	----	61.1	----	30.5	----	R(QP)
3	0.35100	20.1	----	10.3	30.4	----	58.9	----	28.5	----	R(QP)
4	3.49700	21.4	----	10.3	31.7	----	56.0	----	24.3	----	R(QP)
5	6.60500	29.6	----	10.5	40.1	----	60.0	----	19.9	----	R(QP)
6	9.62000	27.7	----	10.6	38.3	----	60.0	----	21.7	----	R(QP)
7	0.19700	----	20.6	10.4	----	31.0	----	53.7	----	22.7	R(CAV)
8	0.27000	----	18.2	10.3	----	28.5	----	51.1	----	22.6	R(CAV)
9	0.35100	----	16.4	10.3	----	26.7	----	48.9	----	22.2	R(CAV)
10	3.49700	----	16.4	10.3	----	26.7	----	46.0	----	19.3	R(CAV)
11	6.60500	----	21.6	10.5	----	32.1	----	50.0	----	17.9	R(CAV)
12	9.62000	----	19.5	10.6	----	30.1	----	50.0	----	19.9	R(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S



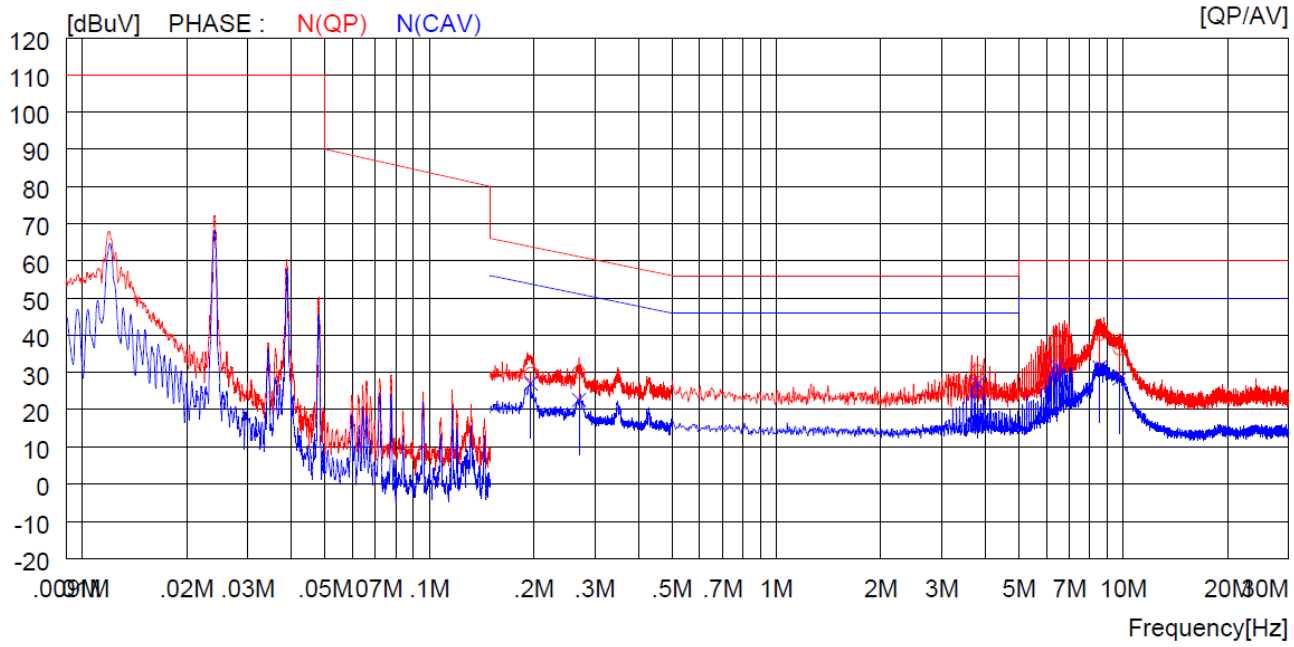
NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.19700	27.4	----	10.4	37.8	----	63.7	----	25.9	----	S(QP)
2	0.35100	21.1	----	10.3	31.4	----	58.9	----	27.5	----	S(QP)
3	0.50500	21.1	----	10.3	31.4	----	56.0	----	24.6	----	S(QP)
4	3.82100	23.0	----	10.3	33.3	----	56.0	----	22.7	----	S(QP)
5	6.70000	32.3	----	10.5	42.8	----	60.0	----	17.2	----	S(QP)
6	8.47500	29.3	----	10.5	39.8	----	60.0	----	20.2	----	S(QP)
7	0.19700	----	25.8	10.4	----	36.2	----	53.7	----	17.5	S(CAV)
8	0.35100	----	18.9	10.3	----	29.2	----	48.9	----	19.7	S(CAV)
9	0.50500	----	15.5	10.3	----	25.8	----	46.0	----	20.2	S(CAV)
10	3.82100	----	15.3	10.3	----	25.6	----	46.0	----	20.4	S(CAV)
11	6.70000	----	21.3	10.5	----	31.8	----	50.0	----	18.2	S(CAV)
12	8.47500	----	21.8	10.5	----	32.3	----	50.0	----	17.7	S(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N



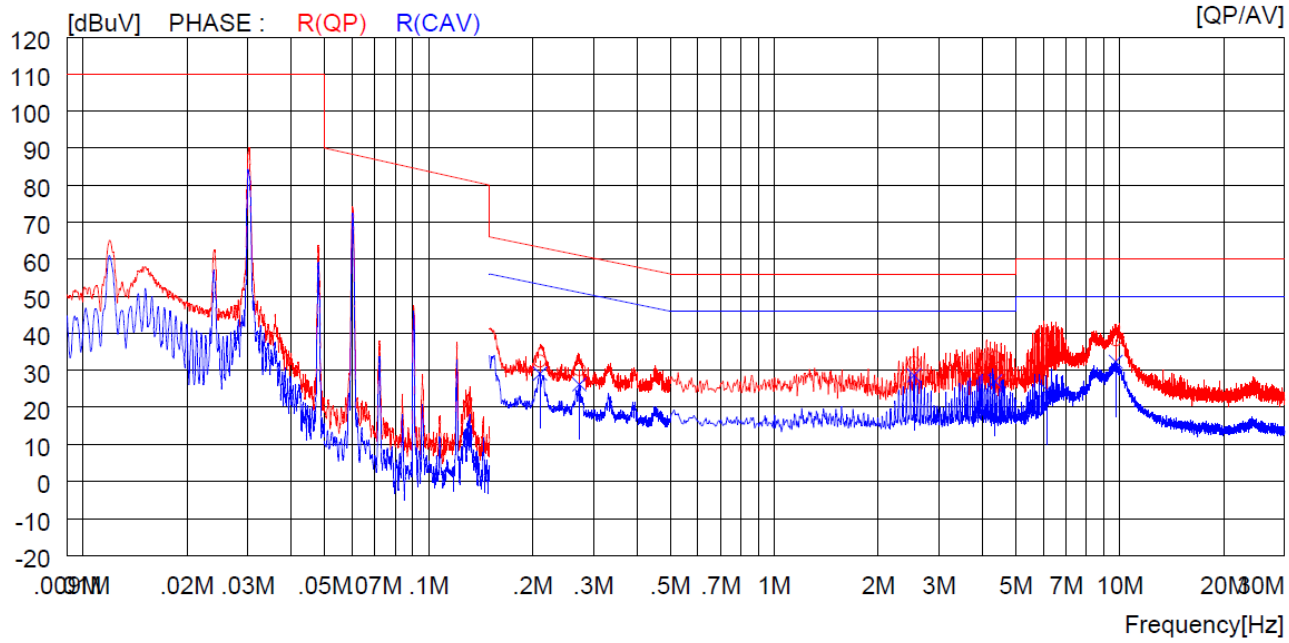
NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.19600	19.3	----	10.4	29.7	----	63.8	----	34.1	----	N(QP)
2	0.27000	19.7	----	10.3	30.0	----	61.1	----	31.1	----	N(QP)
3	3.80300	20.1	----	10.3	30.4	----	56.0	----	25.6	----	N(QP)
4	6.44000	27.9	----	10.5	38.4	----	60.0	----	21.6	----	N(QP)
5	8.53000	29.7	----	10.5	40.2	----	60.0	----	19.8	----	N(QP)
6	9.76000	25.7	----	10.6	36.3	----	60.0	----	23.7	----	N(QP)
7	0.19600	----	16.6	10.4	----	27.0	----	53.8	----	26.8	N(CAV)
8	0.27000	----	12.3	10.3	----	22.6	----	51.1	----	28.5	N(CAV)
9	3.80300	----	16.7	10.3	----	27.0	----	46.0	----	19.0	N(CAV)
10	6.44000	----	21.2	10.5	----	31.7	----	50.0	----	18.3	N(CAV)
11	8.53000	----	20.9	10.5	----	31.4	----	50.0	----	18.6	N(CAV)
12	9.76000	----	17.8	10.6	----	28.4	----	50.0	----	21.6	N(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R



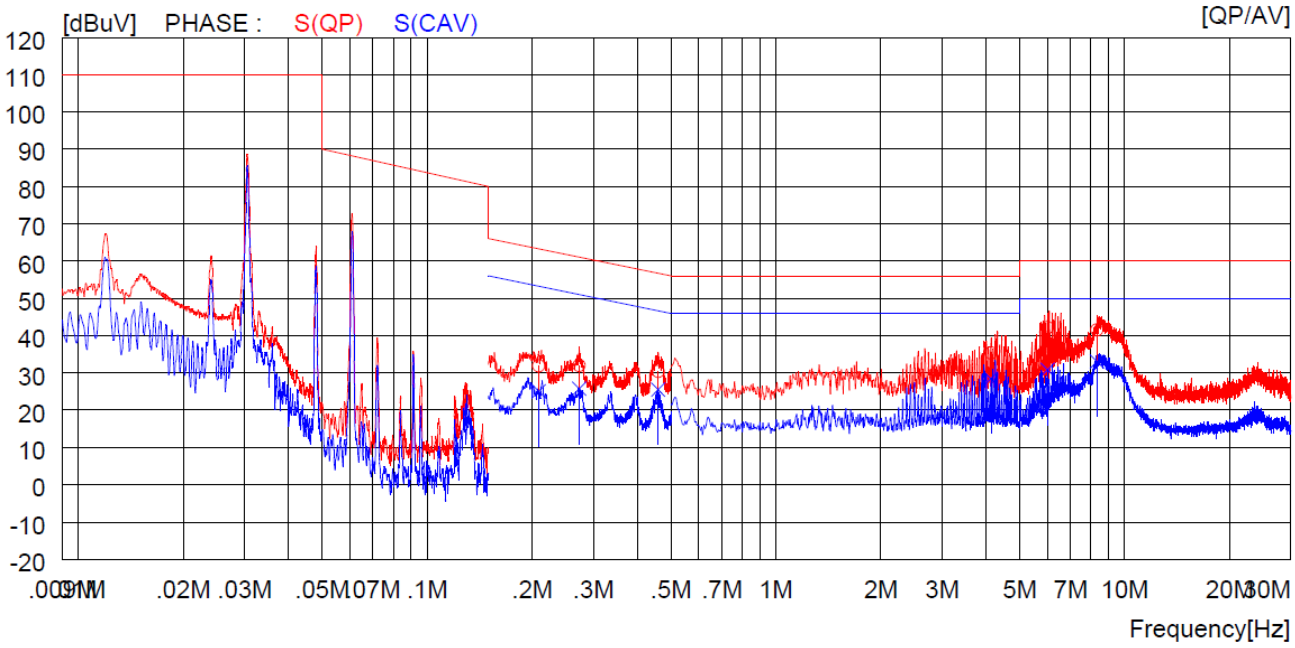
NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.21000	22.1	----	10.4	32.5	----	63.2	----	30.7	----	R(QP)
2	0.27300	19.9	----	10.3	30.2	----	61.0	----	30.8	----	R(QP)
3	2.53900	21.7	----	10.3	32.0	----	56.0	----	24.0	----	R(QP)
4	4.35200	23.2	----	10.4	33.6	----	56.0	----	22.4	----	R(QP)
5	6.15500	27.8	----	10.5	38.3	----	60.0	----	21.7	----	R(QP)
6	9.73500	27.7	----	10.6	38.3	----	60.0	----	21.7	----	R(QP)
7	0.21000	----	18.7	10.4	----	29.1	----	53.2	----	24.1	R(CAV)
8	0.27300	----	15.9	10.3	----	26.2	----	51.0	----	24.8	R(CAV)
9	2.53900	----	18.3	10.3	----	28.6	----	46.0	----	17.4	R(CAV)
10	4.35200	----	16.7	10.4	----	27.1	----	46.0	----	18.9	R(CAV)
11	6.15500	----	14.2	10.5	----	24.7	----	50.0	----	25.3	R(CAV)
12	9.73500	----	21.7	10.6	----	32.3	----	50.0	----	17.7	R(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S



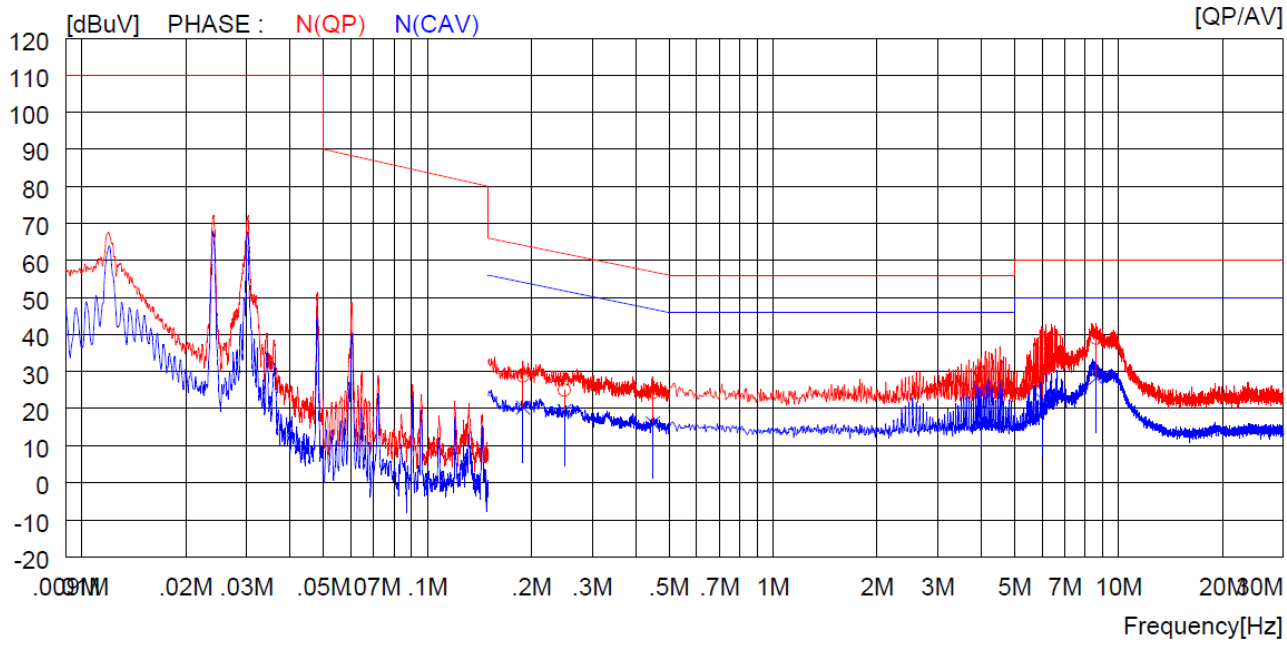
NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.20900	21.5	----	10.4	31.9	----	63.2	----	31.3	----	S(QP)
2	0.27300	21.7	----	10.3	32.0	----	61.0	----	29.0	----	S(QP)
3	0.46000	20.1	----	10.3	30.4	----	56.7	----	26.3	----	S(QP)
4	4.13600	24.9	----	10.4	35.3	----	56.0	----	20.7	----	S(QP)
5	6.02000	31.6	----	10.5	42.1	----	60.0	----	17.9	----	S(QP)
6	8.33000	31.0	----	10.5	41.5	----	60.0	----	18.5	----	S(QP)
7	0.20900	----	14.7	10.4	----	25.1	----	53.2	----	28.1	S(CAV)
8	0.27300	----	15.5	10.3	----	25.8	----	51.0	----	25.2	S(CAV)
9	0.46000	----	15.2	10.3	----	25.5	----	46.7	----	21.2	S(CAV)
10	4.13600	----	18.1	10.4	----	28.5	----	46.0	----	17.5	S(CAV)
11	6.02000	----	20.3	10.5	----	30.8	----	50.0	----	19.2	S(CAV)
12	8.33000	----	22.6	10.5	----	33.1	----	50.0	----	16.9	S(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N



NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.18900	18.4	----	10.4	28.8	----	64.1	----	35.3	----	N(QP)
2	0.24900	14.6	----	10.4	25.0	----	61.8	----	36.8	----	N(QP)
3	0.44900	14.1	----	10.3	24.4	----	56.9	----	32.5	----	N(QP)
4	3.98800	19.4	----	10.3	29.7	----	56.0	----	26.3	----	N(QP)
5	6.04000	27.3	----	10.5	37.8	----	60.0	----	22.2	----	N(QP)
6	8.61500	28.5	----	10.5	39.0	----	60.0	----	21.0	----	N(QP)
7	0.18900	----	9.9	10.4	----	20.3	----	54.1	----	33.8	N(CAV)
8	0.24900	----	9.0	10.4	----	19.4	----	51.8	----	32.4	N(CAV)
9	0.44900	----	5.8	10.3	----	16.1	----	46.9	----	30.8	N(CAV)
10	3.98800	----	14.4	10.3	----	24.7	----	46.0	----	21.3	N(CAV)
11	6.04000	----	11.8	10.5	----	22.3	----	50.0	----	27.7	N(CAV)
12	8.61500	----	17.8	10.5	----	28.3	----	50.0	----	21.7	N(CAV)

Remark: Margin (dB) = Limit – Level (Result)

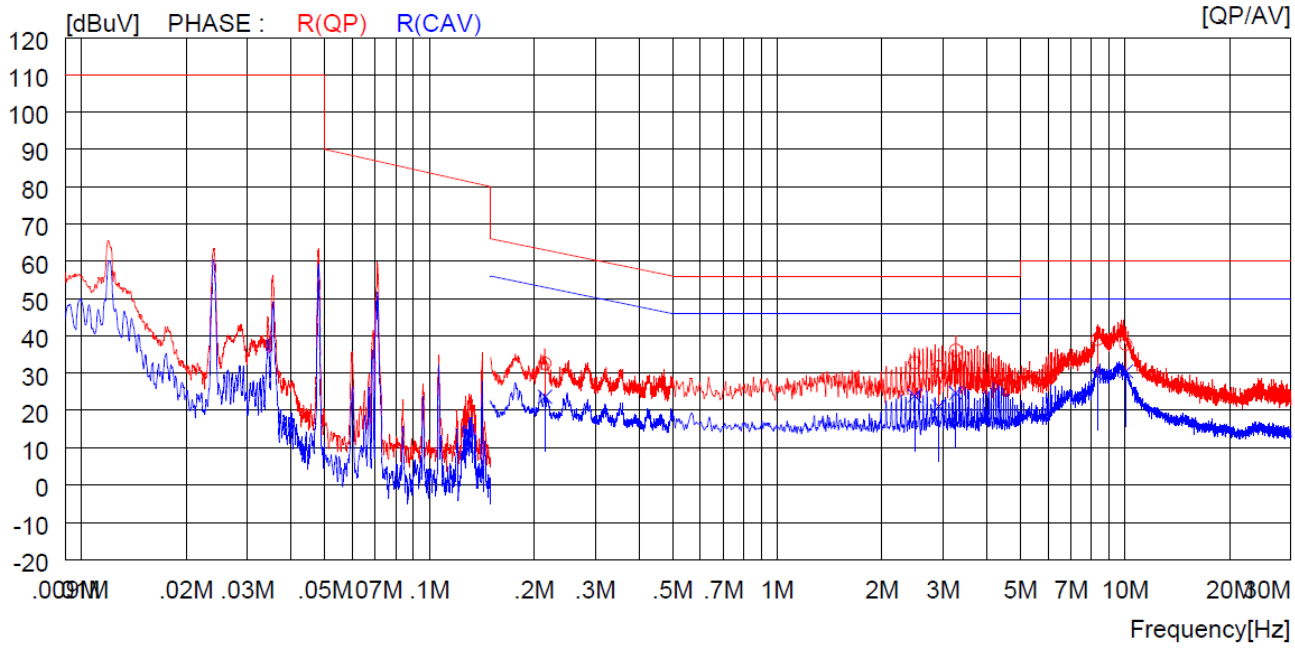
The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

5.1.6.2 Operating Condition: AC 240 V / 60 Hz

-. Test Result : Pass

Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R



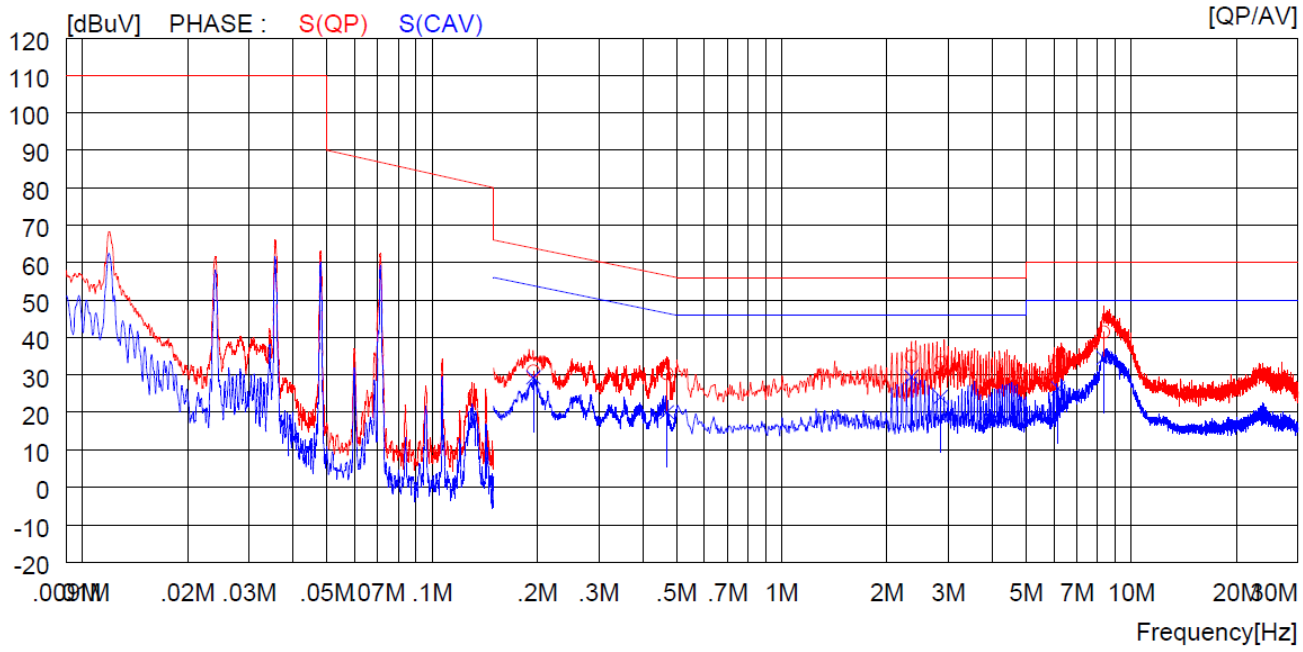
NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.21500	22.2	----	10.4	32.6	----	63.0	----	30.4	----	R(QP)
2	2.48500	22.5	----	10.3	32.8	----	56.0	----	23.2	----	R(QP)
3	2.91200	21.4	----	10.3	31.7	----	56.0	----	24.3	----	R(QP)
4	3.26300	25.8	----	10.3	36.1	----	56.0	----	19.9	----	R(QP)
5	8.33500	28.6	----	10.5	39.1	----	60.0	----	20.9	----	R(QP)
6	10.05000	27.1	----	10.6	37.7	----	60.0	----	22.3	----	R(QP)
7	0.21500	----	13.3	10.4	----	23.7	----	53.0	----	29.3	R(CAV)
8	2.48500	----	13.6	10.3	----	23.9	----	46.0	----	22.1	R(CAV)
9	2.91200	----	10.8	10.3	----	21.1	----	46.0	----	24.9	R(CAV)
10	3.26300	----	14.3	10.3	----	24.6	----	46.0	----	21.4	R(CAV)
11	8.33500	----	18.9	10.5	----	29.4	----	50.0	----	20.6	R(CAV)
12	10.05000	----	19.9	10.6	----	30.5	----	50.0	----	19.5	R(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S



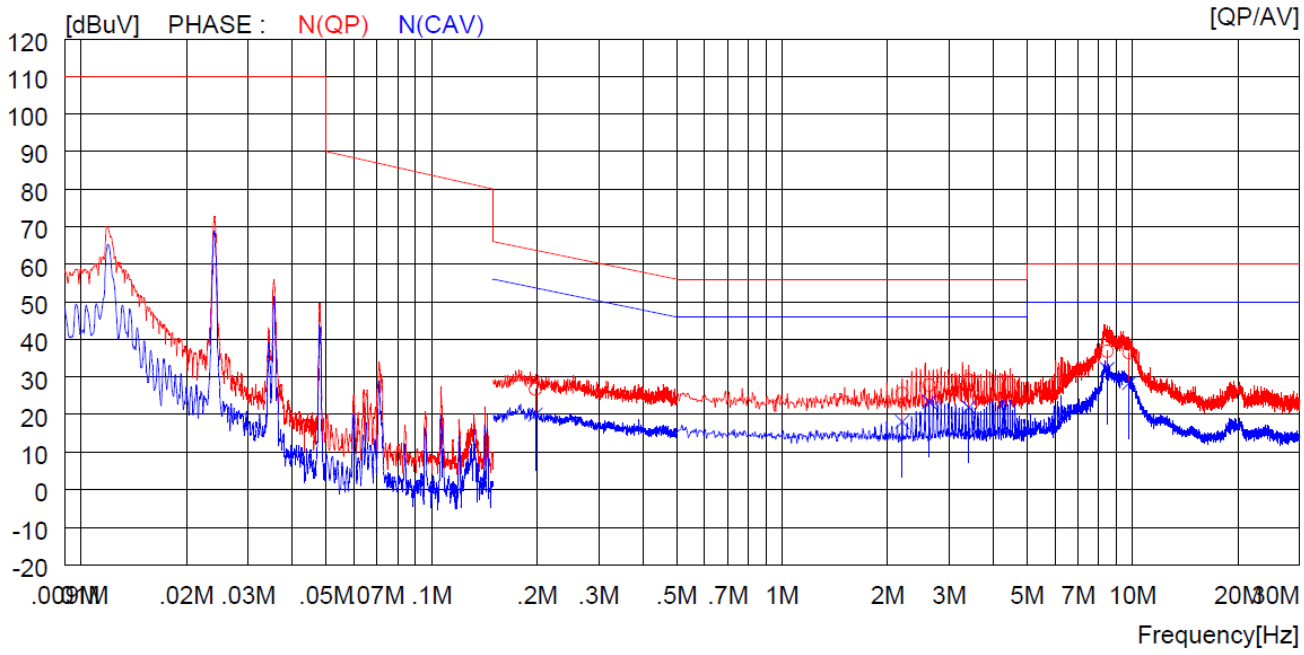
NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.19500	20.6	----	10.4	31.0	----	63.8	----	32.8	----	S(QP)
2	0.46900	20.1	----	10.3	30.4	----	56.5	----	26.1	----	S(QP)
3	2.35000	24.7	----	10.3	35.0	----	56.0	----	21.0	----	S(QP)
4	2.84500	23.0	----	10.3	33.3	----	56.0	----	22.7	----	S(QP)
5	6.18000	23.1	----	10.5	33.6	----	60.0	----	26.4	----	S(QP)
6	8.33000	30.9	----	10.5	41.4	----	60.0	----	18.6	----	S(QP)
7	0.19500	----	19.0	10.4	----	29.4	----	53.8	----	24.4	S(CAV)
8	0.46900	----	9.8	10.3	----	20.1	----	46.5	----	26.4	S(CAV)
9	2.35000	----	19.2	10.3	----	29.5	----	46.0	----	16.5	S(CAV)
10	2.84500	----	13.8	10.3	----	24.1	----	46.0	----	21.9	S(CAV)
11	6.18000	----	15.9	10.5	----	26.4	----	50.0	----	23.6	S(CAV)
12	8.33000	----	24.1	10.5	----	34.6	----	50.0	----	15.4	S(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N



NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.19800	16.4	----	10.4	26.8	----	63.7	----	36.9	----	N(QP)
2	2.20100	15.3	----	10.3	25.6	----	56.0	----	30.4	----	N(QP)
3	2.62900	17.5	----	10.3	27.8	----	56.0	----	28.2	----	N(QP)
4	3.40700	18.9	----	10.3	29.2	----	56.0	----	26.8	----	N(QP)
5	8.45500	26.3	----	10.5	36.8	----	60.0	----	23.2	----	N(QP)
6	9.77000	25.9	----	10.6	36.5	----	60.0	----	23.5	----	N(QP)
7	0.19800	----	9.6	10.4	----	20.0	----	53.7	----	33.7	N(CAV)
8	2.20100	----	7.8	10.3	----	18.1	----	46.0	----	27.9	N(CAV)
9	2.62900	----	13.1	10.3	----	23.4	----	46.0	----	22.6	N(CAV)
10	3.40700	----	11.6	10.3	----	21.9	----	46.0	----	24.1	N(CAV)
11	8.45500	----	21.6	10.5	----	32.1	----	50.0	----	17.9	N(CAV)
12	9.77000	----	17.8	10.6	----	28.4	----	50.0	----	21.6	N(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

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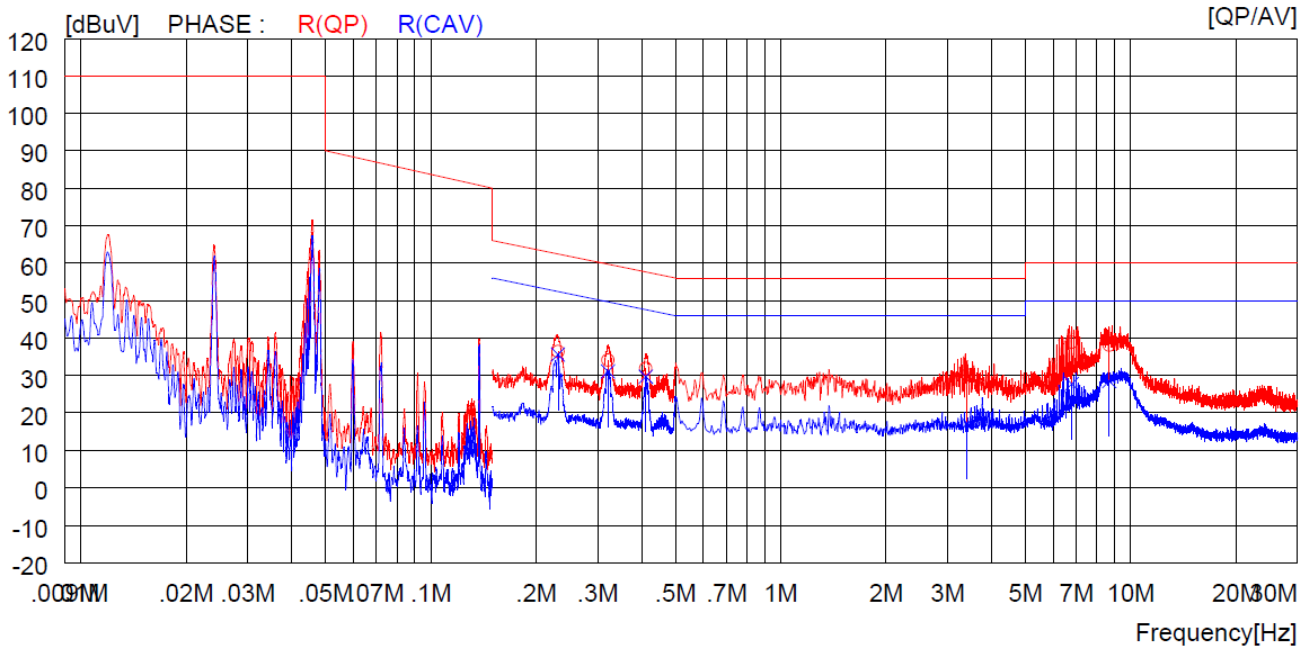
Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R



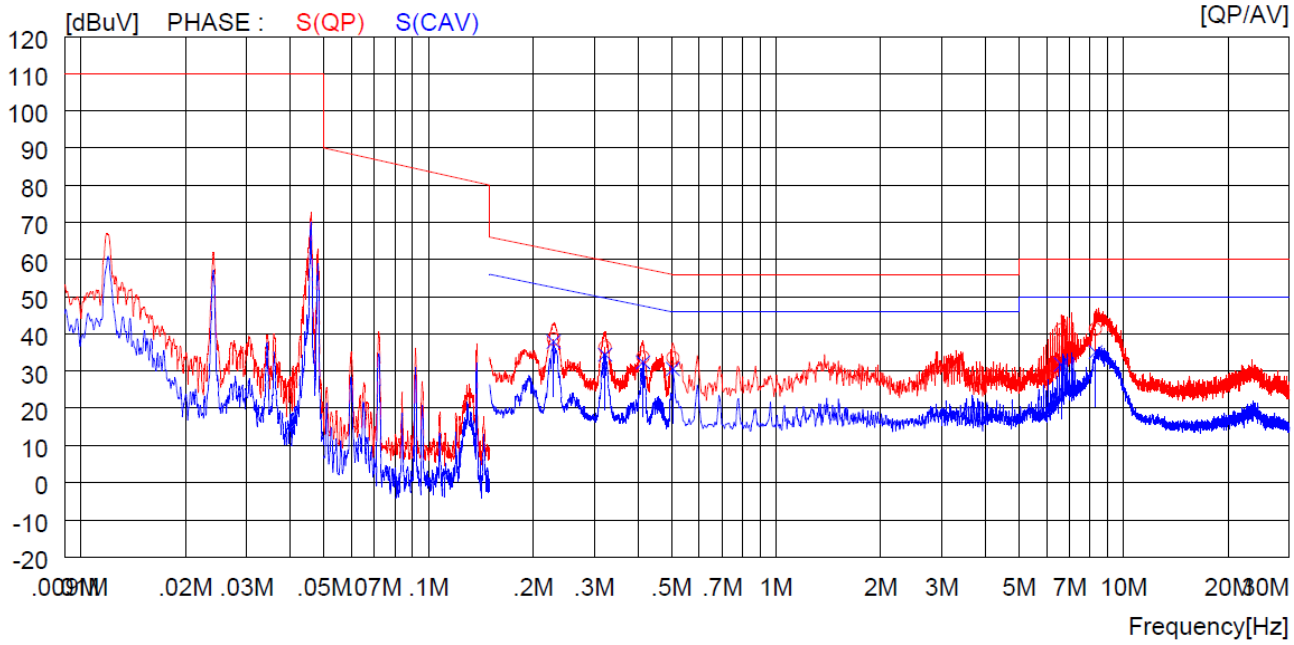
NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.23100	26.0	----	10.4	36.4	----	62.4	----	26.0	----	R(QP)
2	0.32100	23.8	----	10.3	34.1	----	59.7	----	25.6	----	R(QP)
3	0.41200	21.6	----	10.3	31.9	----	57.6	----	25.7	----	R(QP)
4	3.41600	19.8	----	10.3	30.1	----	56.0	----	25.9	----	R(QP)
5	6.79000	28.4	----	10.5	38.9	----	60.0	----	21.1	----	R(QP)
6	8.69000	27.6	----	10.5	38.1	----	60.0	----	21.9	----	R(QP)
7	0.23100	----	25.2	10.4	----	35.6	----	52.4	----	16.8	R(CAV)
8	0.32100	----	20.8	10.3	----	31.1	----	49.7	----	18.6	R(CAV)
9	0.41200	----	19.4	10.3	----	29.7	----	47.6	----	17.9	R(CAV)
10	3.41600	----	6.9	10.3	----	17.2	----	46.0	----	28.8	R(CAV)
11	6.79000	----	17.2	10.5	----	27.7	----	50.0	----	22.3	R(CAV)
12	8.69000	----	18.0	10.5	----	28.5	----	50.0	----	21.5	R(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S



NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.22900	28.2	----	10.4	38.6	----	62.5	----	23.9	----	S(QP)
2	0.32200	26.1	----	10.3	36.4	----	59.7	----	23.3	----	S(QP)
3	0.41400	23.4	----	10.3	33.7	----	57.6	----	23.9	----	S(QP)
4	0.50500	23.3	----	10.3	33.6	----	56.0	----	22.4	----	S(QP)
5	6.61500	30.6	----	10.5	41.1	----	60.0	----	18.9	----	S(QP)
6	8.30500	30.8	----	10.5	41.3	----	60.0	----	18.7	----	S(QP)
7	0.22900	----	27.5	10.4	----	37.9	----	52.5	----	14.6	S(CAV)
8	0.32200	----	24.1	10.3	----	34.4	----	49.7	----	15.3	S(CAV)
9	0.41400	----	22.1	10.3	----	32.4	----	47.6	----	15.2	S(CAV)
10	0.50500	----	20.3	10.3	----	30.6	----	46.0	----	15.4	S(CAV)
11	6.61500	----	21.3	10.5	----	31.8	----	50.0	----	18.2	S(CAV)
12	8.30500	----	24.6	10.5	----	35.1	----	50.0	----	14.9	S(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

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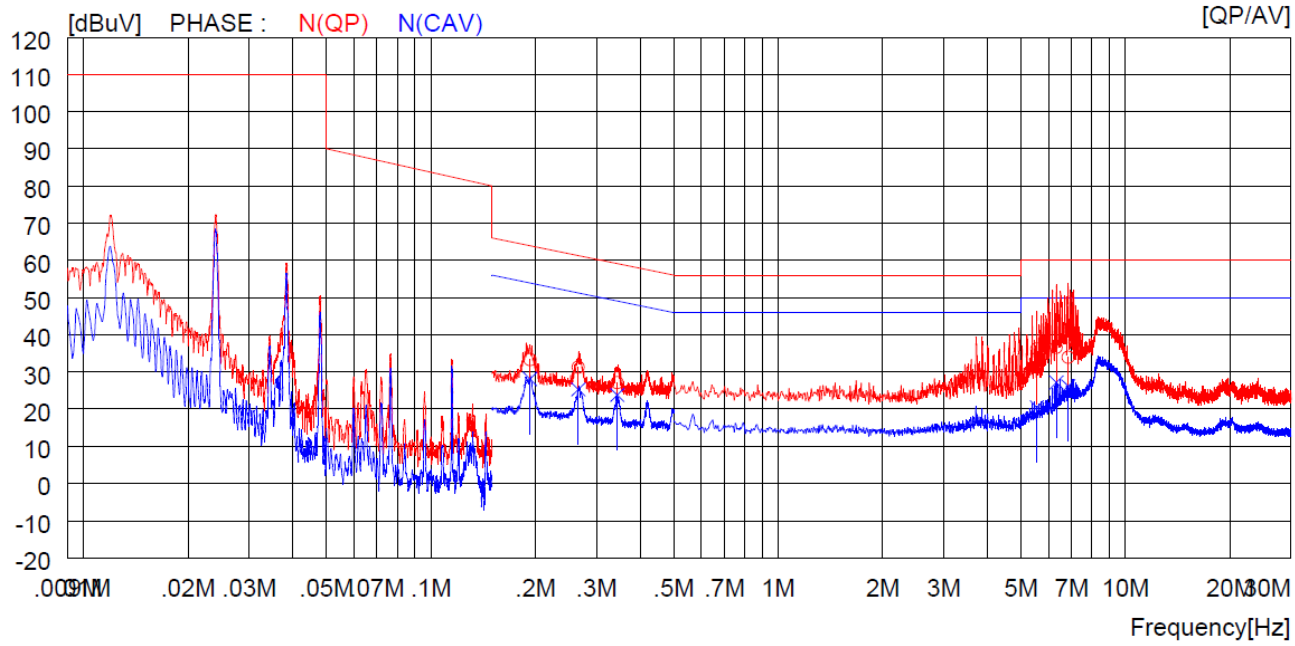
Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N



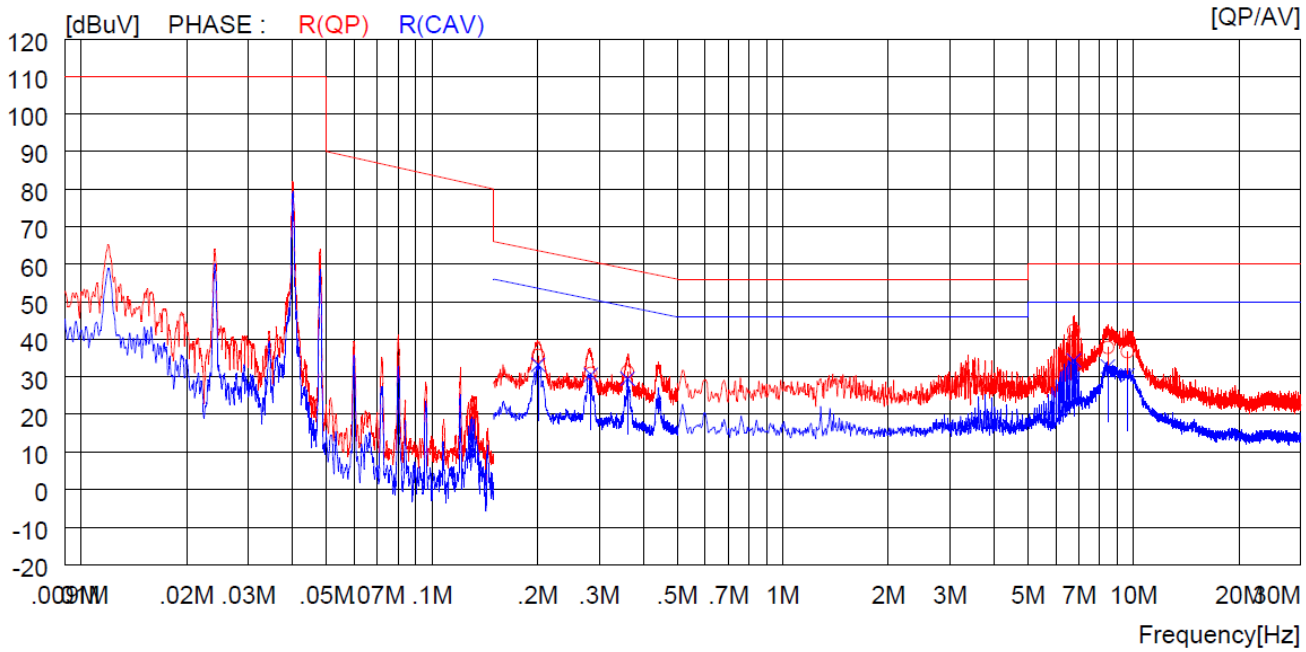
NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.19300	22.9	----	10.4	33.3	----	63.9	----	30.6	----	N(QP)
2	0.26600	21.0	----	10.3	31.3	----	61.2	----	29.9	----	N(QP)
3	0.34400	16.8	----	10.3	27.1	----	59.1	----	32.0	----	N(QP)
4	5.55500	25.7	----	10.5	36.2	----	60.0	----	23.8	----	N(QP)
5	6.33000	26.1	----	10.5	36.6	----	60.0	----	23.4	----	N(QP)
6	6.84500	23.4	----	10.5	33.9	----	60.0	----	26.1	----	N(QP)
7	0.19300	----	17.7	10.4	----	28.1	----	53.9	----	25.8	N(CAV)
8	0.26600	----	15.0	10.3	----	25.3	----	51.2	----	25.9	N(CAV)
9	0.34400	----	13.5	10.3	----	23.8	----	49.1	----	25.3	N(CAV)
10	5.55500	----	10.0	10.5	----	20.5	----	50.0	----	29.5	N(CAV)
11	6.33000	----	16.7	10.5	----	27.2	----	50.0	----	22.8	N(CAV)
12	6.84500	----	15.7	10.5	----	26.2	----	50.0	----	23.8	N(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R



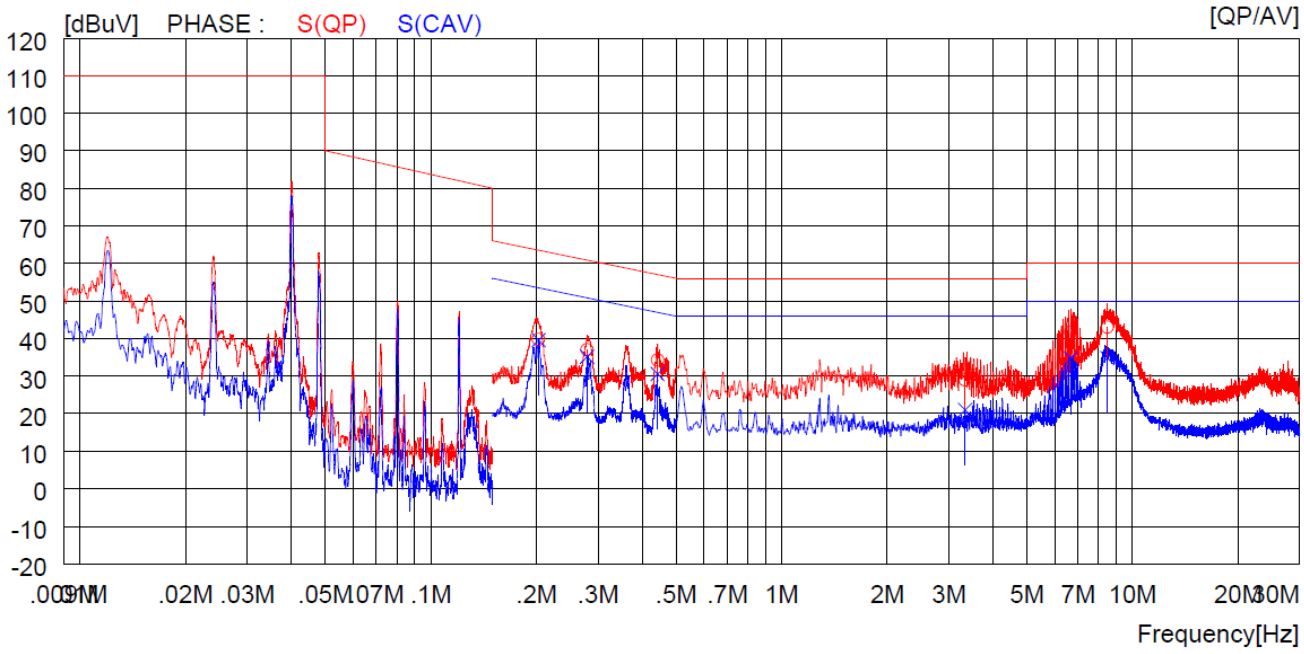
NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.20100	25.3	----	10.4	35.7	----	63.6	----	27.9	----	R(QP)
2	0.28400	20.6	----	10.3	30.9	----	60.7	----	29.8	----	R(QP)
3	0.36100	21.1	----	10.3	31.4	----	58.7	----	27.3	----	R(QP)
4	6.75000	31.8	----	10.5	42.3	----	60.0	----	17.7	----	R(QP)
5	8.44000	27.3	----	10.5	37.8	----	60.0	----	22.2	----	R(QP)
6	9.61000	26.1	----	10.6	36.7	----	60.0	----	23.3	----	R(QP)
7	0.20100	----	22.8	10.4	----	33.2	----	53.6	----	20.4	R(CAV)
8	0.28400	----	20.3	10.3	----	30.6	----	50.7	----	20.1	R(CAV)
9	0.36100	----	19.2	10.3	----	29.5	----	48.7	----	19.2	R(CAV)
10	6.75000	----	23.9	10.5	----	34.4	----	50.0	----	15.6	R(CAV)
11	8.44000	----	22.3	10.5	----	32.8	----	50.0	----	17.2	R(CAV)
12	9.61000	----	19.8	10.6	----	30.4	----	50.0	----	19.6	R(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S



NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.20300	29.4	----	10.4	39.8	----	63.5	----	23.7	----	S(QP)
2	0.27900	26.7	----	10.3	37.0	----	60.8	----	23.8	----	S(QP)
3	0.44300	24.0	----	10.3	34.3	----	57.0	----	22.7	----	S(QP)
4	3.33500	18.7	----	10.3	29.0	----	56.0	----	27.0	----	S(QP)
5	6.67000	31.2	----	10.5	41.7	----	60.0	----	18.3	----	S(QP)
6	8.48000	32.5	----	10.5	43.0	----	60.0	----	17.0	----	S(QP)
7	0.20300	----	29.2	10.4	----	39.6	----	53.5	----	13.9	S(CAV)
8	0.27900	----	24.9	10.3	----	35.2	----	50.8	----	15.6	S(CAV)
9	0.44300	----	20.3	10.3	----	30.6	----	47.0	----	16.4	S(CAV)
10	3.33500	----	10.7	10.3	----	21.0	----	46.0	----	25.0	S(CAV)
11	6.67000	----	24.2	10.5	----	34.7	----	50.0	----	15.3	S(CAV)
12	8.48000	----	24.3	10.5	----	34.8	----	50.0	----	15.2	S(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

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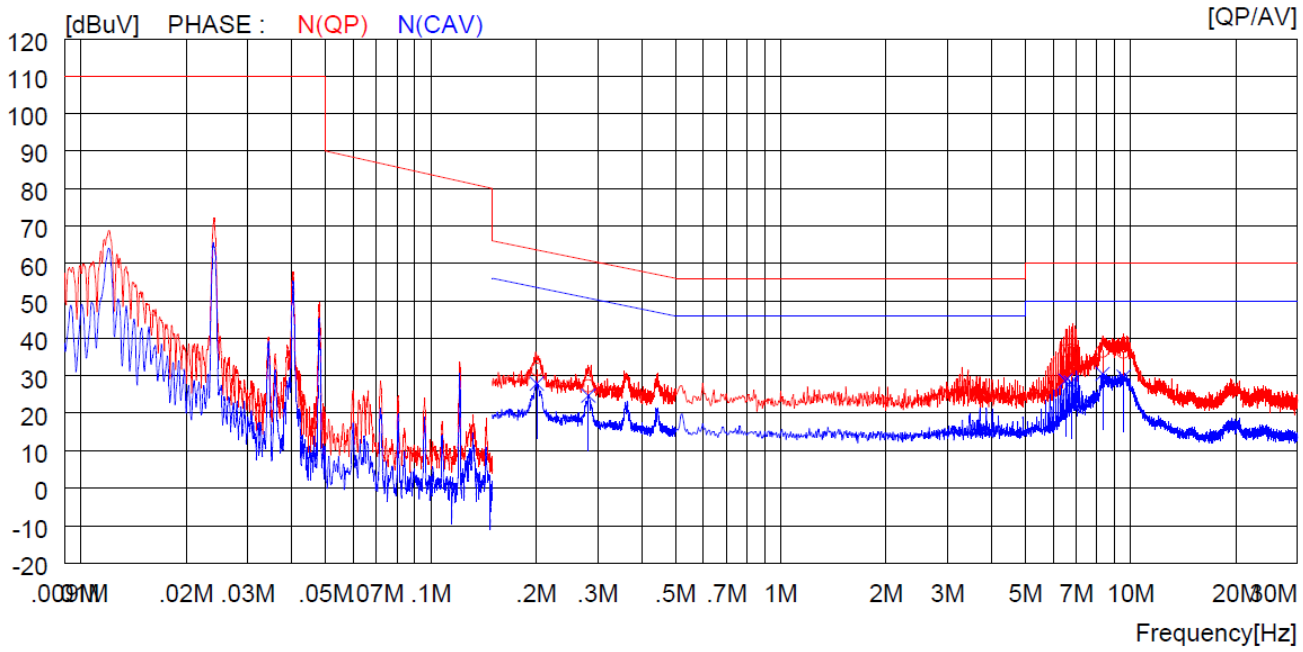
Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N



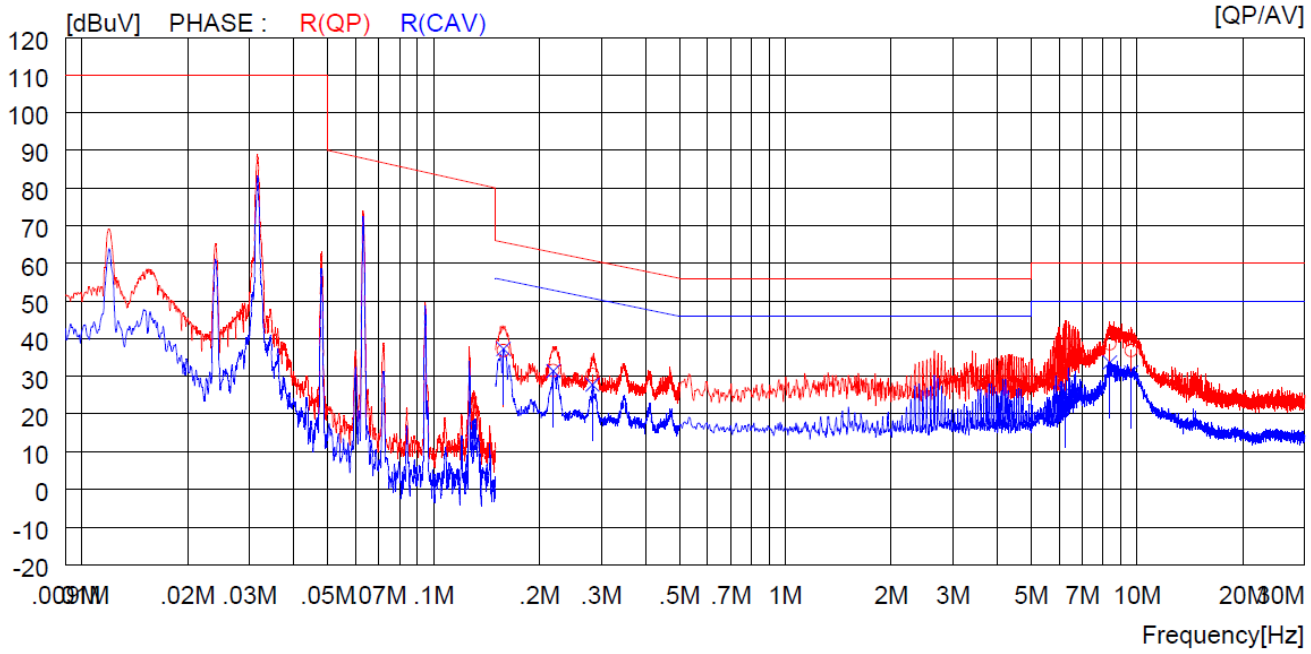
NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.20100	21.3	----	10.4	31.7	----	63.6	----	31.9	----	N(QP)
2	0.28200	17.0	----	10.3	27.3	----	60.8	----	33.5	----	N(QP)
3	6.51500	26.2	----	10.5	36.7	----	60.0	----	23.3	----	N(QP)
4	6.75500	26.3	----	10.5	36.8	----	60.0	----	23.2	----	N(QP)
5	8.31000	26.1	----	10.5	36.6	----	60.0	----	23.4	----	N(QP)
6	9.54000	25.8	----	10.5	36.3	----	60.0	----	23.7	----	N(QP)
7	0.20100	----	17.5	10.4	----	27.9	----	53.6	----	25.7	N(CAV)
8	0.28200	----	14.4	10.3	----	24.7	----	50.8	----	26.1	N(CAV)
9	6.51500	----	18.2	10.5	----	28.7	----	50.0	----	21.3	N(CAV)
10	6.75500	----	17.7	10.5	----	28.2	----	50.0	----	21.8	N(CAV)
11	8.31000	----	20.0	10.5	----	30.5	----	50.0	----	19.5	N(CAV)
12	9.54000	----	19.3	10.5	----	29.8	----	50.0	----	20.2	N(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R



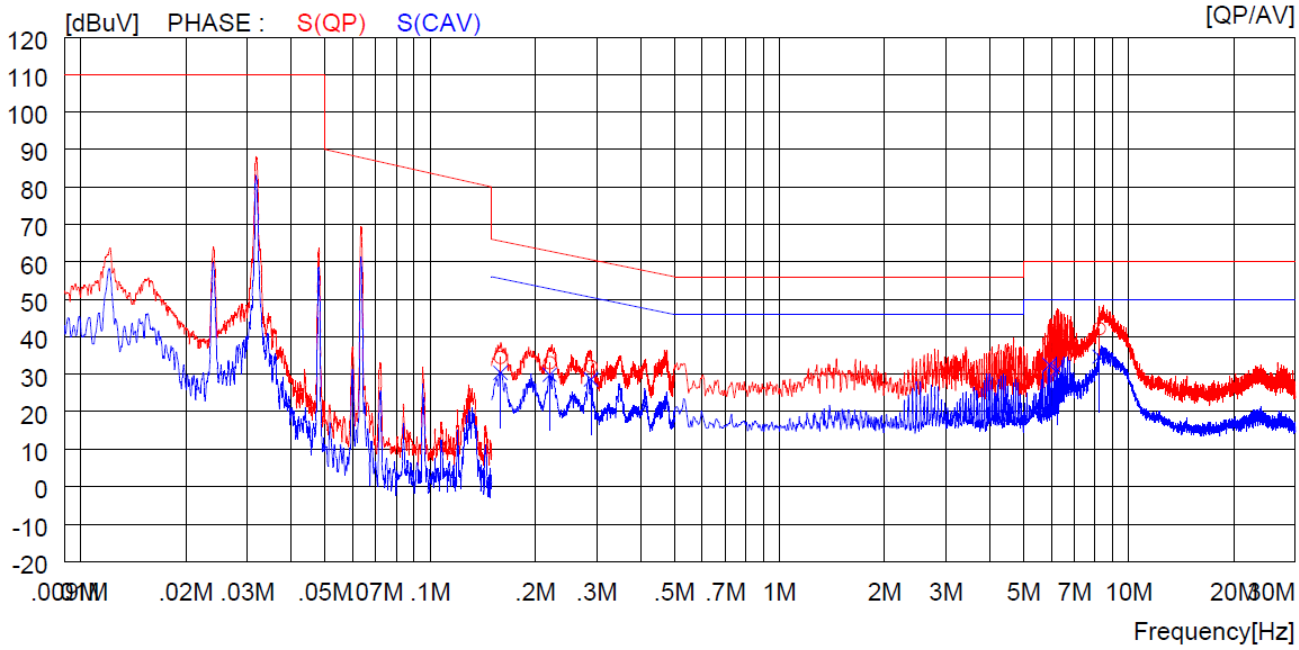
NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.15800	26.4	----	10.4	36.8	----	65.6	----	28.8	----	R(QP)
2	0.21900	21.1	----	10.4	31.5	----	62.9	----	31.4	----	R(QP)
3	0.28300	20.2	----	10.3	30.5	----	60.7	----	30.2	----	R(QP)
4	6.25000	28.3	----	10.5	38.8	----	60.0	----	21.2	----	R(QP)
5	8.37000	28.1	----	10.5	38.6	----	60.0	----	21.4	----	R(QP)
6	9.63000	26.3	----	10.6	36.9	----	60.0	----	23.1	----	R(QP)
7	0.15800	----	26.9	10.4	----	37.3	----	55.6	----	18.3	R(CAV)
8	0.21900	----	21.0	10.4	----	31.4	----	52.9	----	21.5	R(CAV)
9	0.28300	----	17.5	10.3	----	27.8	----	50.7	----	22.9	R(CAV)
10	6.25000	----	15.4	10.5	----	25.9	----	50.0	----	24.1	R(CAV)
11	8.37000	----	23.2	10.5	----	33.7	----	50.0	----	16.3	R(CAV)
12	9.63000	----	20.4	10.6	----	31.0	----	50.0	----	19.0	R(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S



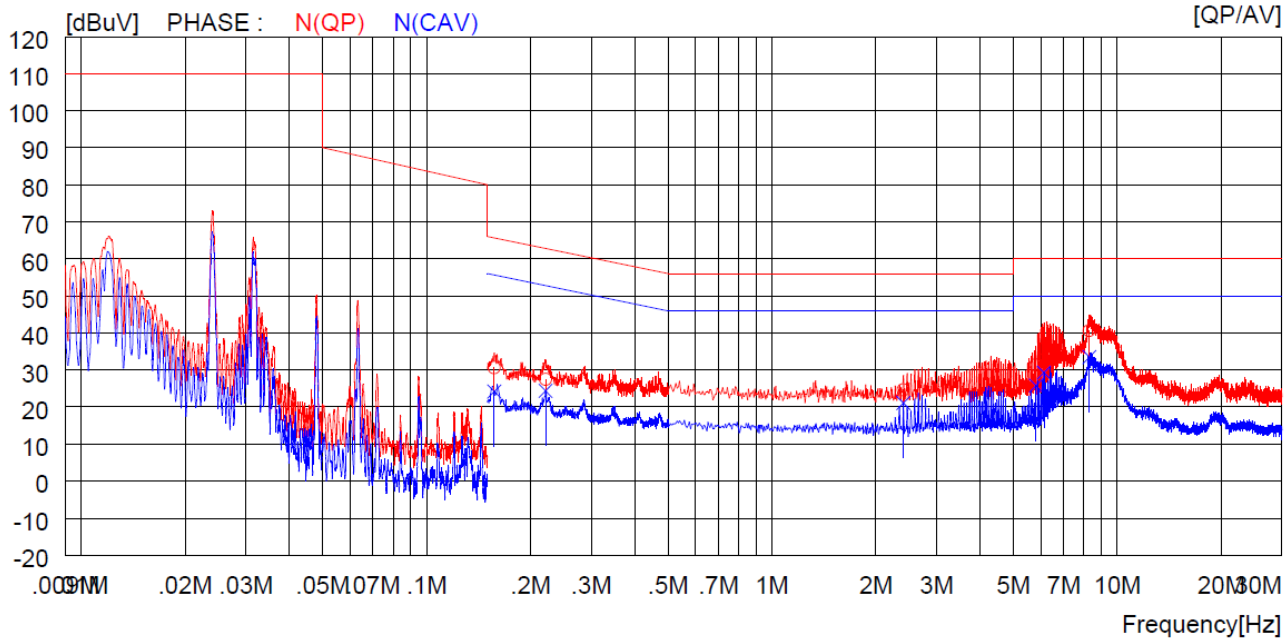
NO	FREQ [MHz]	READING QP [dBuV]	READING AV [dBuV]	C.FACTOR [dB]	RESULT QP [dBuV]	RESULT AV [dBuV]	LIMIT QP [dBuV]	LIMIT AV [dBuV]	MARGIN QP [dBuV]	MARGIN AV [dBuV]	PHASE
1	0.15900	24.1	----	10.4	34.5	----	65.5	----	31.0	----	S(QP)
2	0.22000	22.6	----	10.4	33.0	----	62.8	----	29.8	----	S(QP)
3	0.28900	21.8	----	10.3	32.1	----	60.6	----	28.5	----	S(QP)
4	5.93500	28.3	----	10.5	38.8	----	60.0	----	21.2	----	S(QP)
5	6.25000	30.6	----	10.5	41.1	----	60.0	----	18.9	----	S(QP)
6	8.23500	31.6	----	10.5	42.1	----	60.0	----	17.9	----	S(QP)
7	0.15900	----	20.0	10.4	----	30.4	----	55.5	----	25.1	S(CAV)
8	0.22000	----	19.5	10.4	----	29.9	----	52.8	----	22.9	S(CAV)
9	0.28900	----	18.3	10.3	----	28.6	----	50.6	----	22.0	S(CAV)
10	5.93500	----	22.0	10.5	----	32.5	----	50.0	----	17.5	S(CAV)
11	6.25000	----	20.8	10.5	----	31.3	----	50.0	----	18.7	S(CAV)
12	8.23500	----	24.2	10.5	----	34.7	----	50.0	----	15.3	S(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 11, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N



NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.15700	20.3	----	10.4	30.7	----	65.6	----	34.9	----	N(QP)
2	0.22100	17.1	----	10.4	27.5	----	62.8	----	35.3	----	N(QP)
3	2.40400	14.3	----	10.3	24.6	----	56.0	----	31.4	----	N(QP)
4	5.81500	20.9	----	10.5	31.4	----	60.0	----	28.6	----	N(QP)
5	6.13000	25.2	----	10.5	35.7	----	60.0	----	24.3	----	N(QP)
6	8.30500	30.1	----	10.5	40.6	----	60.0	----	19.4	----	N(QP)
7	0.15700	----	13.8	10.4	----	24.2	----	55.6	----	31.4	N(CAV)
8	0.22100	----	14.0	10.4	----	24.4	----	52.8	----	28.4	N(CAV)
9	2.40400	----	10.8	10.3	----	21.1	----	46.0	----	24.9	N(CAV)
10	5.81500	----	15.3	10.5	----	25.8	----	50.0	----	24.2	N(CAV)
11	6.13000	----	18.8	10.5	----	29.3	----	50.0	----	20.7	N(CAV)
12	8.30500	----	23.0	10.5	----	33.5	----	50.0	----	16.5	N(CAV)

Remark: Margin (dB) = Limit – Level (Result)

The result level in above table is included the transducer factor that means insertion loss (AMN), cable loss and attenuator.

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5.2 Radiated Emission Test

5.2.1 Operating Environment

Temperature : 23.3 °C

Relative humidity : 50.2 % R.H.

5.2.2 Test Setup

The radiated emissions measurements were on the 10 m semi anechoic chamber. The EUT and all local support equipment were placed on non-conductive support 0.1 m above a reference ground plane.

The frequency spectrum of 9 kHz to 30 MHz, 30 MHz to 1 000 MHz, 1 GHz to 25 GHz was scanned and the maximum emission level of each frequency was recorded. The maximum emission level was determined by rotating the system 360° and changing the height of the antenna between 1.0m and 4.0m, and the height of the loop antenna was set to 2m. This procedure was performed for both horizontal and vertical polarization of the receiving antenna.

5.2.3 Measurement uncertainty

Radiated emission electric field intensity, 9 kHz ~ 30 MHz : ± 4.1 dB

Radiated emission electric field intensity, 30 MHz ~ 1 000 MHz : ± 4.1 dB

Radiated emission electric field intensity, 1 000 MHz ~ 18 000 MHz : ± 6.0 dB

Radiated emission electric field intensity, 18 000 MHz ~ 25 000 MHz : ± 6.0 dB

Measurement uncertainty is calculated in accordance with CISPR 16-4-2. The measurement uncertainty is given with a confidence of 95 % with the coverage factor, $k = 2$.

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5.2.4 Limit

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (uV/m)	Distance (meters)
Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500 500 or more	25 25 × SQRT(power/500)	300 300 [1)]
	Any non-ISM frequency	Below 500 500 or more	15 15 × SQRT(power/500)	300 300 [1)]
Industrial heatrs and RF stabilized arc welders	On or below 5,725 MHz Above 5,725 MHz	Any Any	10 (2)	1,600 (2)
Medical diathermy	Any ISM frequency Any non-ISM frequency	Any Any	25 15	300 300
Ultrasonic	Below 490 kHz	Below 500 500 or more	2,400/F(kHz) 2,400/F(kHz) × SQRT(power/500)	300 300 [3)]
	490 to 1,600 kHz Above 1,600 kHz	Any Any	24,000/F(kHz) 15	30 30
Induction cooking ranges	Below 90 kHz On or above 90 kHz	Any Any	1,500 300	30 [4)] 30 [4)]

1) Field strength may not exceed 10 μ V/m at 1600 meters. Consumer equipment operating below 1000 MHz is not permitted the increase in field strength otherwise permitted here for power over 500 watts.
2) Reduced to the greatest extent possible.
3) Field strength may not exceed 10 μ V/m at 1600 meters. Consumer equipment is not permitted the increase in field strength otherwise permitted here for over 500 watts.
4) Induction cooking ranges manufactured prior to February 1, 1980, shall be subject to the field strength limits for miscellaneous ISM equipment.

Note 1: Limit 10m(dBμV/m)=Limit 1 500m(dBμV/m)+40Log(30m/10m) (Below 30 MHz)

Note 2: Limit 10m(dBμV/m)=Limit 1 500m(dBμV/m)+20Log(30m/10m) (Above 30 MHz)

Note 3: Limit 3m(dBμV/m)=Limit 1 500m(dBμV/m)+20Log(30m/3m) (Above 30 MHz)

Note 4: This product is a induction cooking range which operated Below 90 kHz.

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5.2.5 Test Equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal. (Interval)
■ -	ESW	Rohde & Schwarz	EMI Test Receiver	101851	Mar. 07, 2023 (1Y)
■ -	VULB9163	Schwarzbeck	Trilog Broadband Antenna	9163-225	Sep. 14. 2022 (2Y)
■ -	8447D	Hewlett Packard	Amplifier	2944A07777	Mar. 07, 2023 (1Y)
■ -	CO3000	Innco Systems GmbH	Controller	CO3000/1015	N/A
■ -	DT5000	Innco Systems GmbH	Turn Table	N/A	N/A
■ -	MA4000-EP	Innco Systems GmbH	Antenna Master	MA4000/508	N/A
■ -	HLA 6121	TESEQ	Loop Antenna	50841	Apr. 13, 2022 (2Y)
■ -	MA-4640-XPET	Innco Systems GmbH	Antenna Master	MA4640/592/40700517	N/A
■ -	3115	ETS-LINDGREN	Horn Antenna	34823	Aug. 12, 2022 (1Y)
■ -	PAM-118A	Com-Power	Preamplifier	18040081	Oct. 13, 2022 (1Y)
■ -	PAM-840A	Com-Power	Preamplifier	461339	Oct. 13, 2022 (1Y)
■ -	WT-A3882-R10	Microwave	Cavity Band Rejection Filter	WT22040502-1	Apr. 03, 2023 (1Y)

All test equipment used is calibrated on a regular basis.

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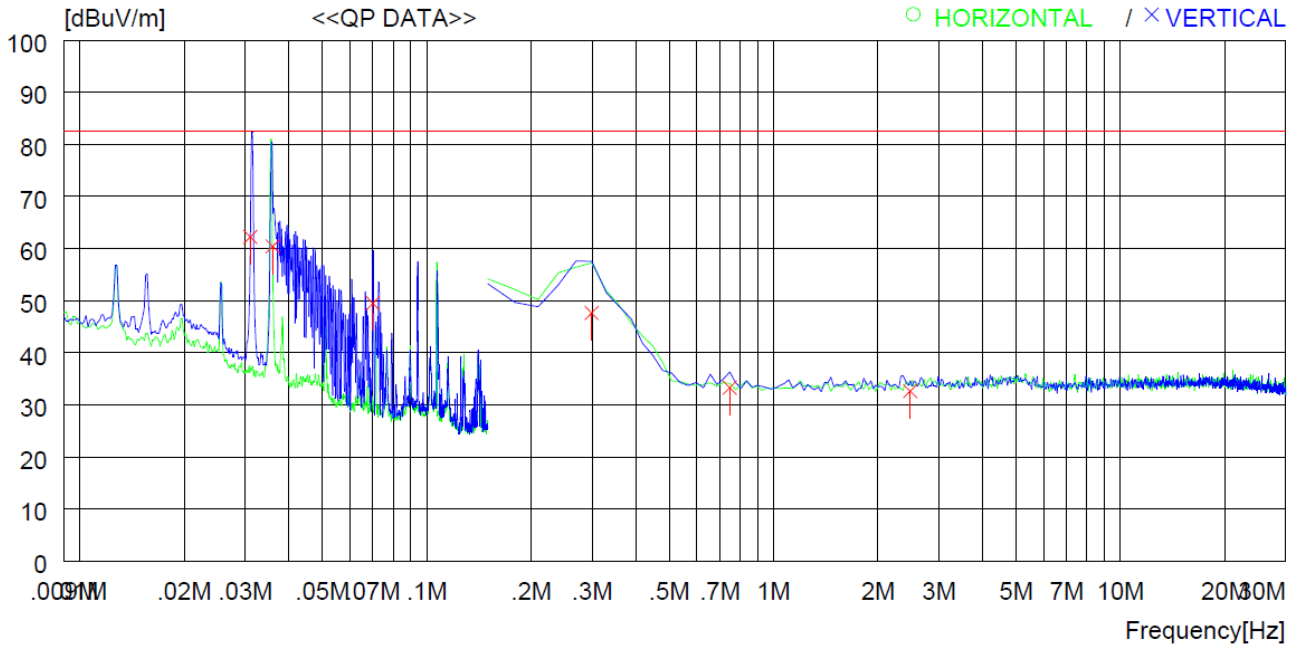
5.2.6 Test Data

5.2.6.1 Operating Condition: AC 208 V / 60 Hz

-. Test Result : Pass

Tested by: Young-Jae, Kim / Project Engineer

Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 200 Hz, 9 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	0.031	40.9	21.0	0.3	0.0	62.2	82.6	20.4	100	247
2	0.036	39.1	21.0	0.3	0.0	60.4	82.6	22.2	100	0
3	0.070	28.2	21.0	0.3	0.0	49.5	82.6	33.1	100	188
4	0.299	26.2	21.1	0.3	0.0	47.6	82.6	35.0	100	359
5	0.747	11.8	21.1	0.4	0.0	33.3	82.6	49.3	100	4
6	2.478	10.8	21.2	0.6	0.0	32.6	82.6	50.0	100	359

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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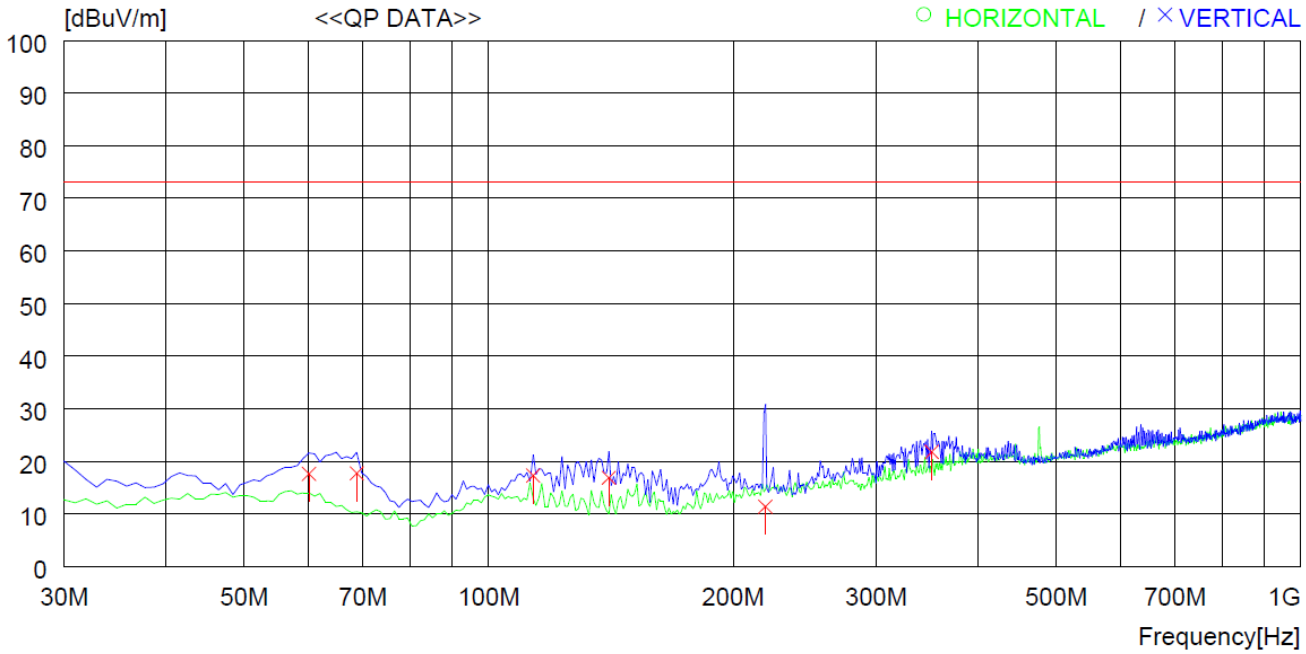
Cooking Areas 1			
Frequency range	: 30 MHz ~ 1 000 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 120 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	60.070	29.9	13.2	2.9	28.4	17.6	73.1	55.5	100	0
2	68.800	32.4	10.4	3.2	28.3	17.7	73.1	55.4	100	81
3	113.420	30.6	10.9	4.1	28.3	17.3	73.1	55.8	100	33
4	140.580	32.2	8.3	4.6	28.2	16.9	73.1	56.2	100	168
5	219.150	22.2	11.5	5.8	28.1	11.4	73.1	61.7	100	358
6	351.070	27.3	14.8	7.4	27.7	21.8	73.1	51.3	100	2

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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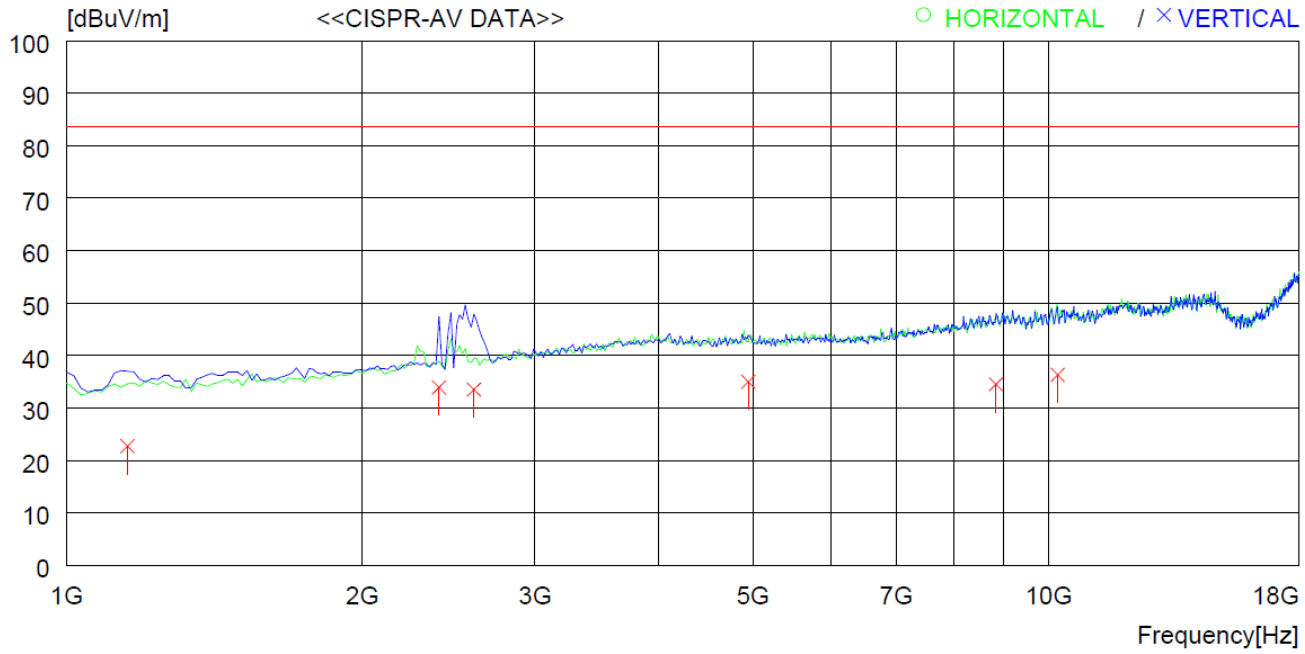
Cooking Areas 1			
Frequency range	: 1 GHz ~ 18 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	1153.000	35.2	24.5	2.5	39.5	22.7	83.5	60.8	100	0
2	2394.000	42.2	28.1	3.5	39.9	33.9	83.5	49.6	100	0
3	2598.000	41.3	28.6	3.6	40.0	33.5	83.5	50.0	100	149
4	4944.000	37.2	33.2	5.1	40.5	35.0	83.5	48.5	100	257
5	8837.000	30.1	38.5	6.8	40.9	34.5	83.5	49.0	100	0
6	10214.000	31.9	38.1	7.3	41.0	36.3	83.5	47.2	100	317

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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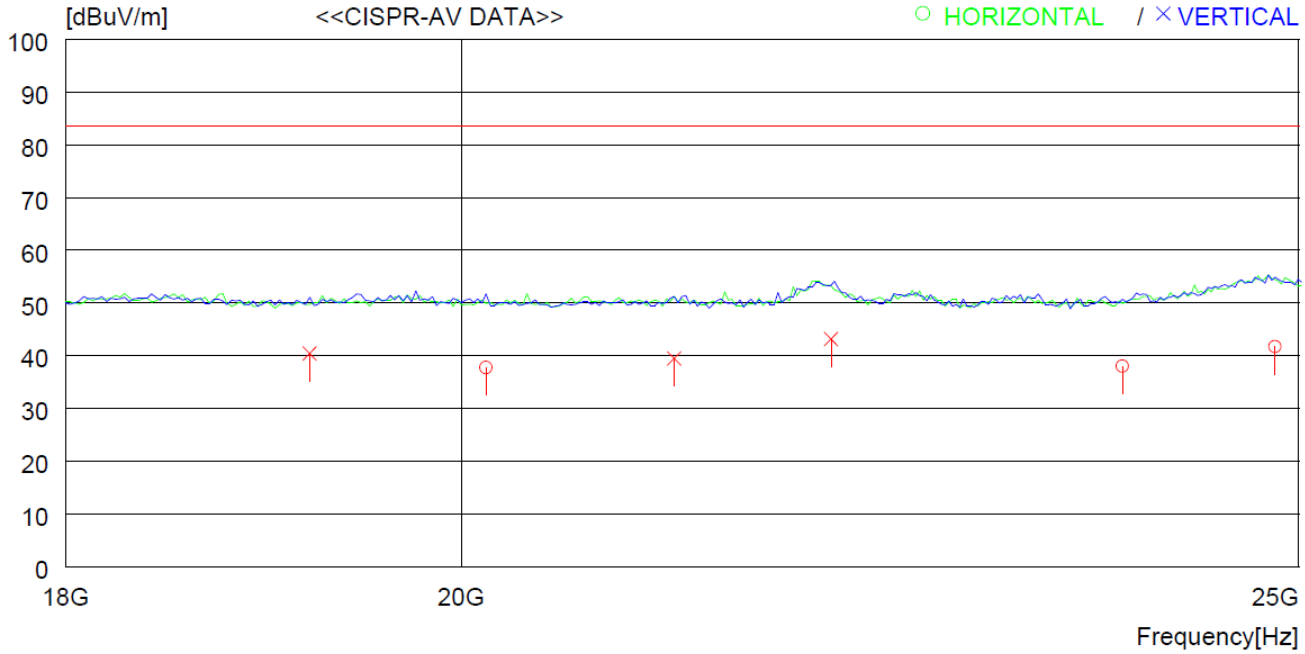
Cooking Areas 1			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	20134.030	28.7	40.3	10.6	41.8	37.8	83.5	45.7	200	359
2	23852.000	30.1	40.1	11.0	43.2	38.0	83.5	45.5	200	319
3	24842.010	32.9	40.3	11.5	43.0	41.7	83.5	41.8	100	326
----- Vertical ------										
4	19210.010	30.5	40.3	10.3	40.7	40.4	83.5	43.1	100	200
5	21168.180	30.8	40.2	10.9	42.4	39.5	83.5	44.0	100	352
6	22070.760	34.8	40.2	11.1	42.9	43.2	83.5	40.3	100	0

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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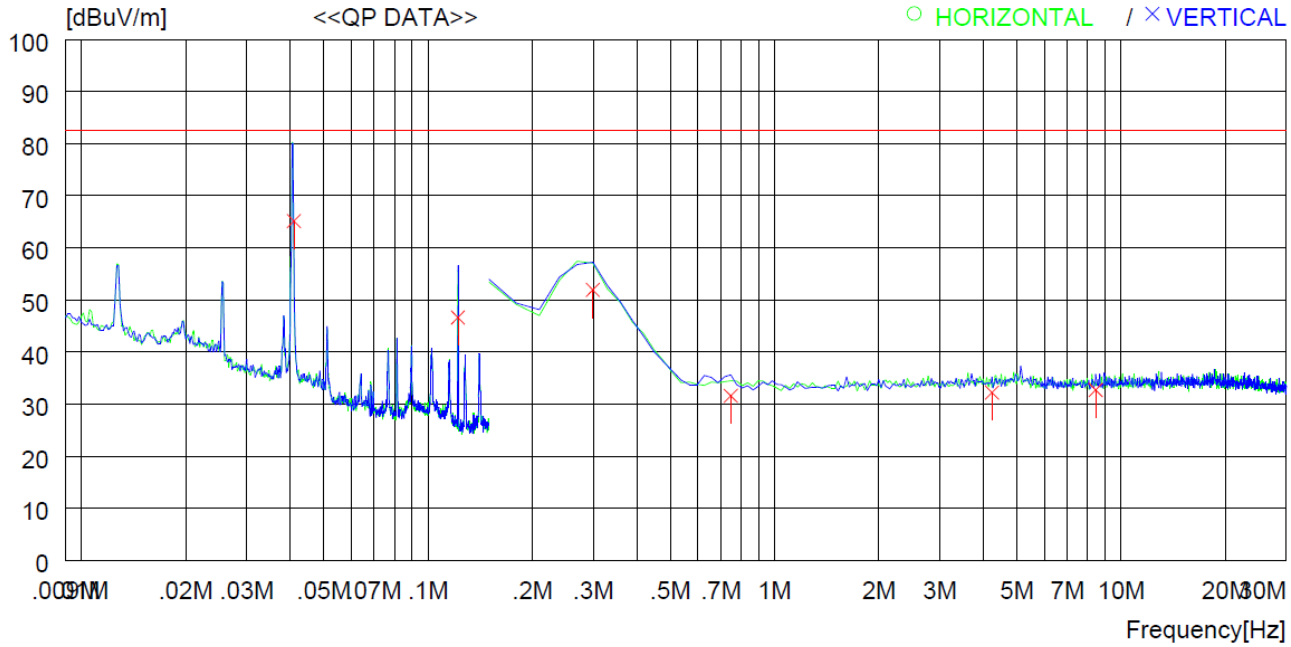
Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 200 Hz, 9 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	0.041	43.8	21.0	0.3	0.0	65.1	82.6	17.5	100	0
2	0.122	25.2	21.1	0.3	0.0	46.6	82.6	36.0	100	309
3	0.299	30.5	21.1	0.3	0.0	51.9	82.6	30.7	100	359
4	0.747	10.1	21.1	0.4	0.0	31.6	82.6	51.0	100	359
5	4.239	10.3	21.1	0.8	0.0	32.2	82.6	50.4	100	359
6	8.448	10.4	21.2	1.1	0.0	32.7	82.6	49.9	100	333

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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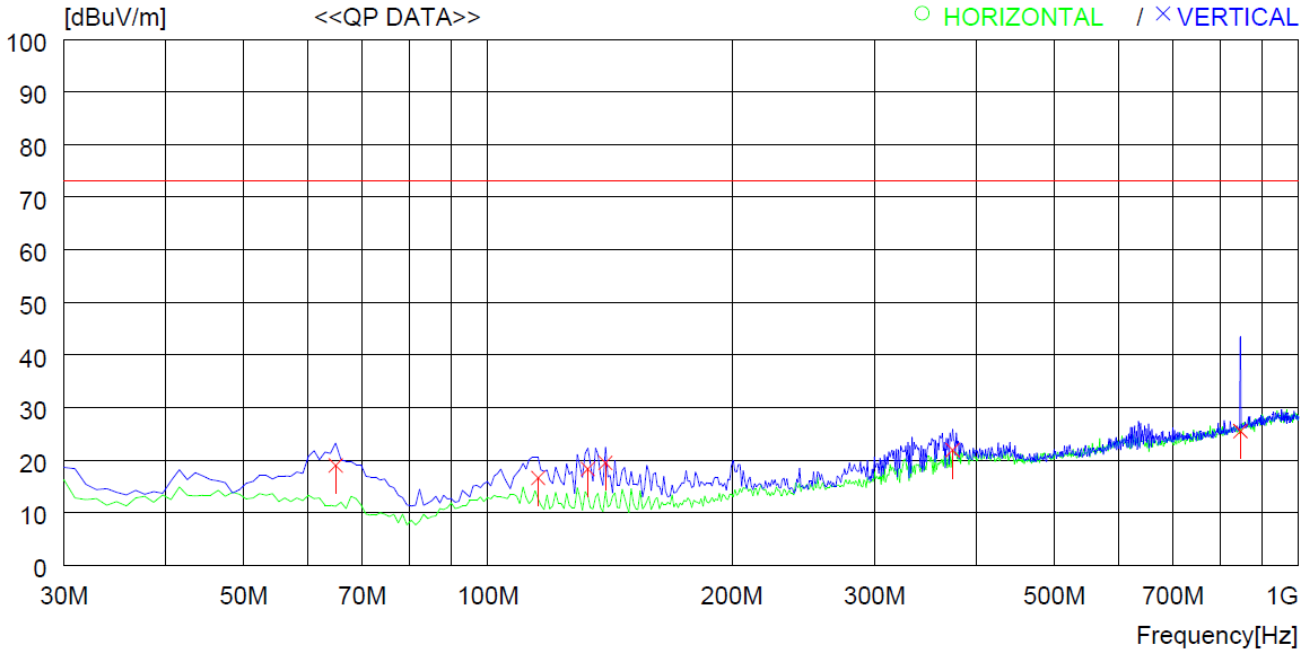
Cooking Areas 2			
Frequency range	: 30 MHz ~ 1 000 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 120 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	64.920	32.6	11.6	3.1	28.3	19.0	73.1	54.1	100	0
2	115.360	30.2	10.6	4.1	28.3	16.6	73.1	56.5	100	47
3	132.820	33.1	8.9	4.5	28.2	18.3	73.1	54.8	100	121
4	139.610	34.8	8.3	4.6	28.2	19.5	73.1	53.6	100	121
5	374.350	26.4	15.4	7.8	27.7	21.9	73.1	51.2	100	65
6	847.700	20.5	21.3	12.1	28.4	25.5	73.1	47.6	100	31

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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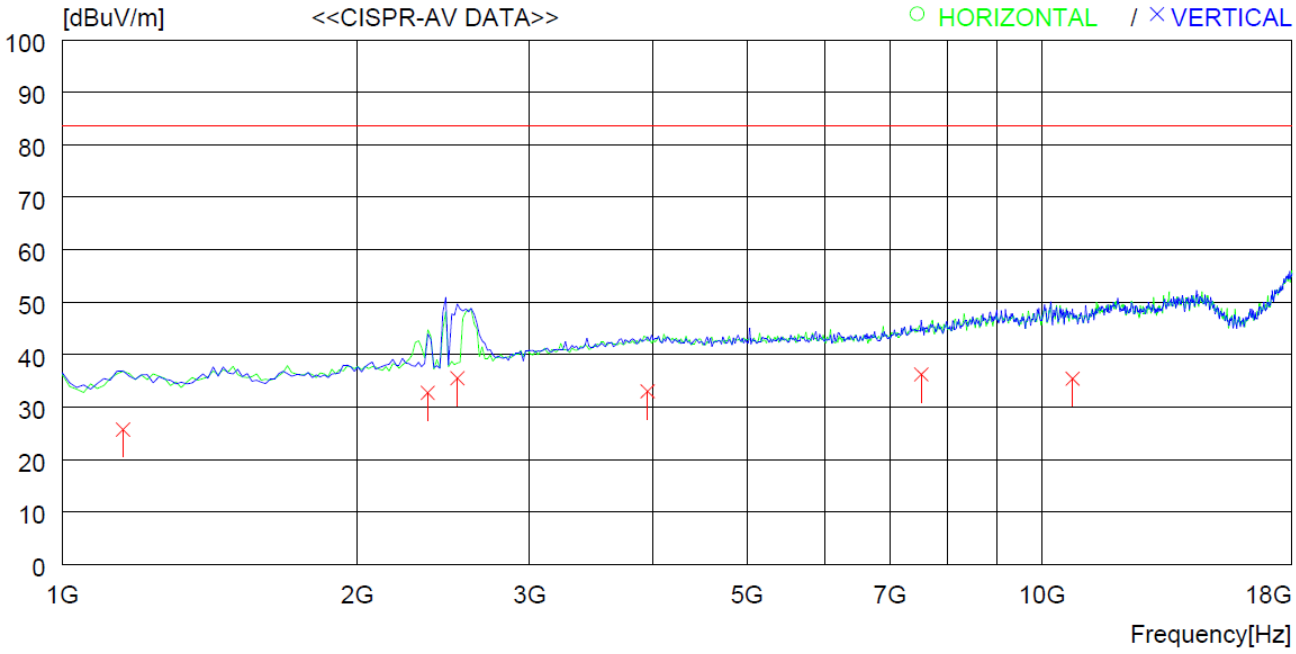
Cooking Areas 2			
Frequency range	: 1 GHz ~ 18 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	1153.030	38.2	24.5	2.5	39.5	25.7	83.5	57.8	100	359
2	2360.280	41.1	28.0	3.5	39.9	32.7	83.5	50.8	100	127
3	2530.472	43.5	28.4	3.6	40.0	35.5	83.5	48.0	100	127
4	3958.138	36.2	32.5	4.6	40.3	33.0	83.5	50.5	100	359
5	7528.554	34.1	36.6	6.4	40.9	36.2	83.5	47.3	100	359
6	10741.910	30.8	38.1	7.6	41.1	35.4	83.5	48.1	100	359

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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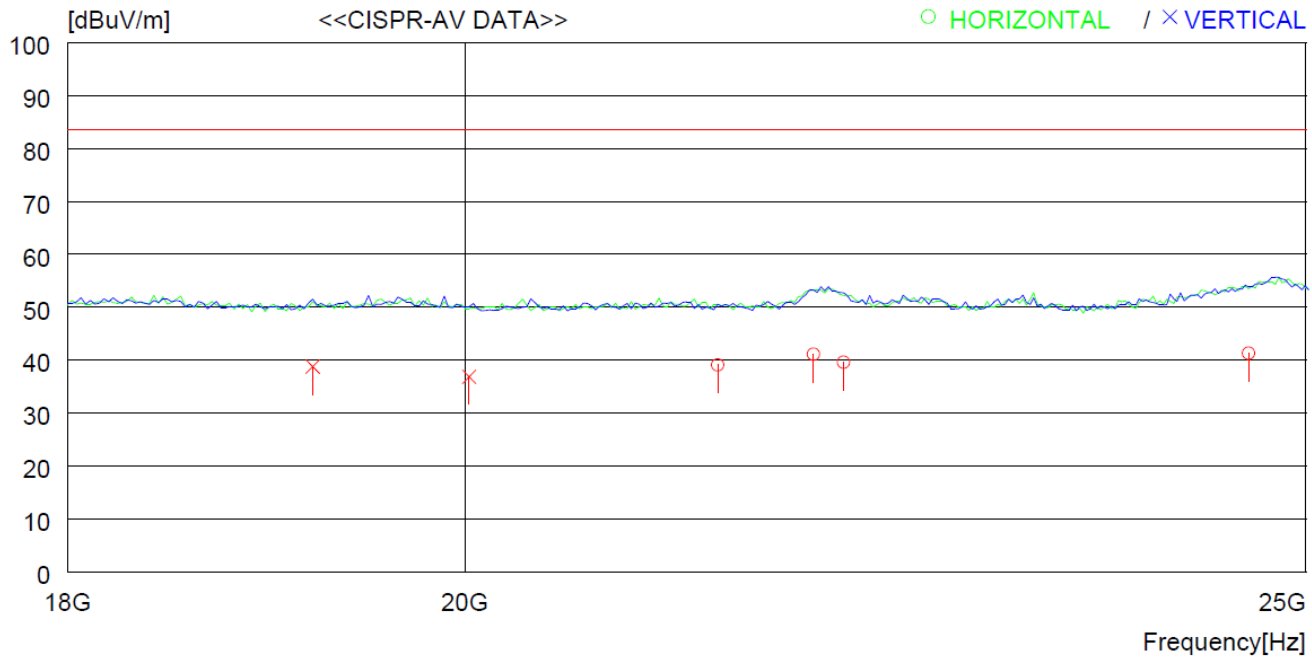
Cooking Areas 2			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ	READING CAV	ANT FACTOR	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	[dBuV]	[dB]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal ------										
1	21388.670	30.5	40.3	10.8	42.5	39.1	83.5	44.4	100	147
2	21938.010	32.7	40.2	11.1	42.9	41.1	83.5	42.4	100	0
3	22114.180	31.2	40.2	11.1	42.9	39.6	83.5	43.9	100	0
4	24622.060	32.8	40.2	11.4	43.1	41.3	83.5	42.2	100	0
----- Vertical ------										
5	19210.360	28.9	40.3	10.3	40.7	38.8	83.5	44.7	100	359
6	20024.020	27.6	40.3	10.7	41.7	36.9	83.5	46.6	200	359

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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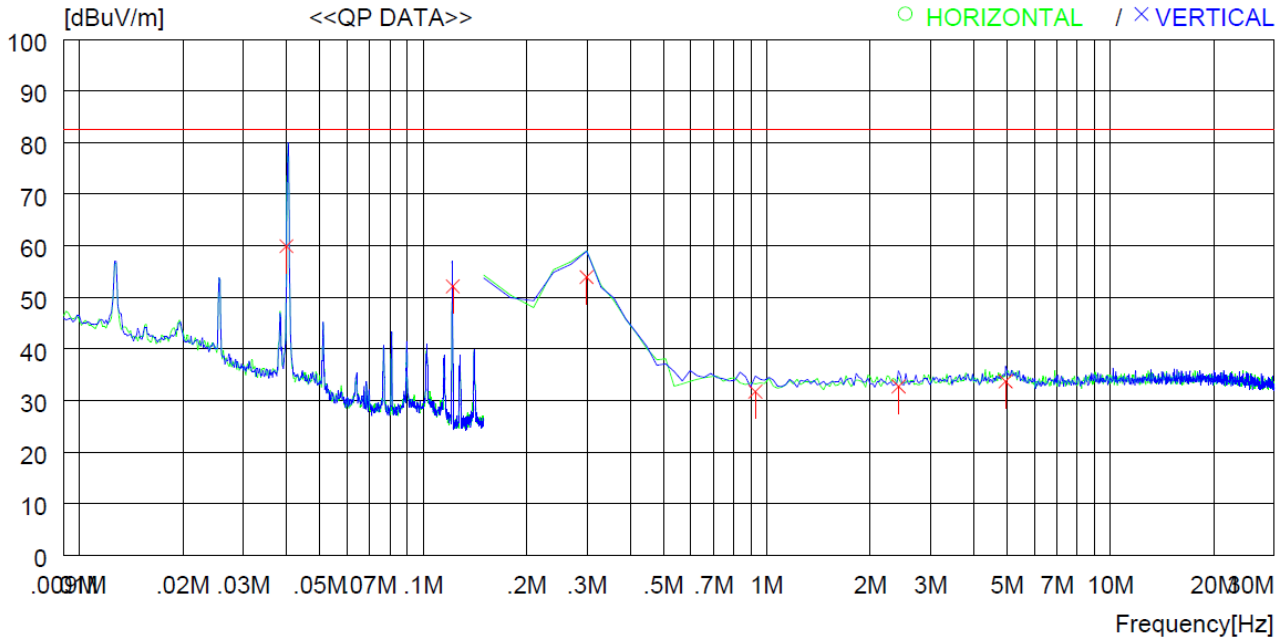
Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 200 Hz, 9 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	0.040	38.6	21.0	0.3	0.0	59.9	82.6	22.7	100	343
2	0.122	30.7	21.1	0.3	0.0	52.1	82.6	30.5	100	318
3	0.299	32.5	21.1	0.3	0.0	53.9	82.6	28.7	100	296
4	0.926	10.0	21.2	0.5	0.0	31.7	82.6	50.9	100	359
5	2.419	10.9	21.2	0.6	0.0	32.7	82.6	49.9	100	359
6	4.956	11.7	21.1	0.9	0.0	33.7	82.6	48.9	100	359

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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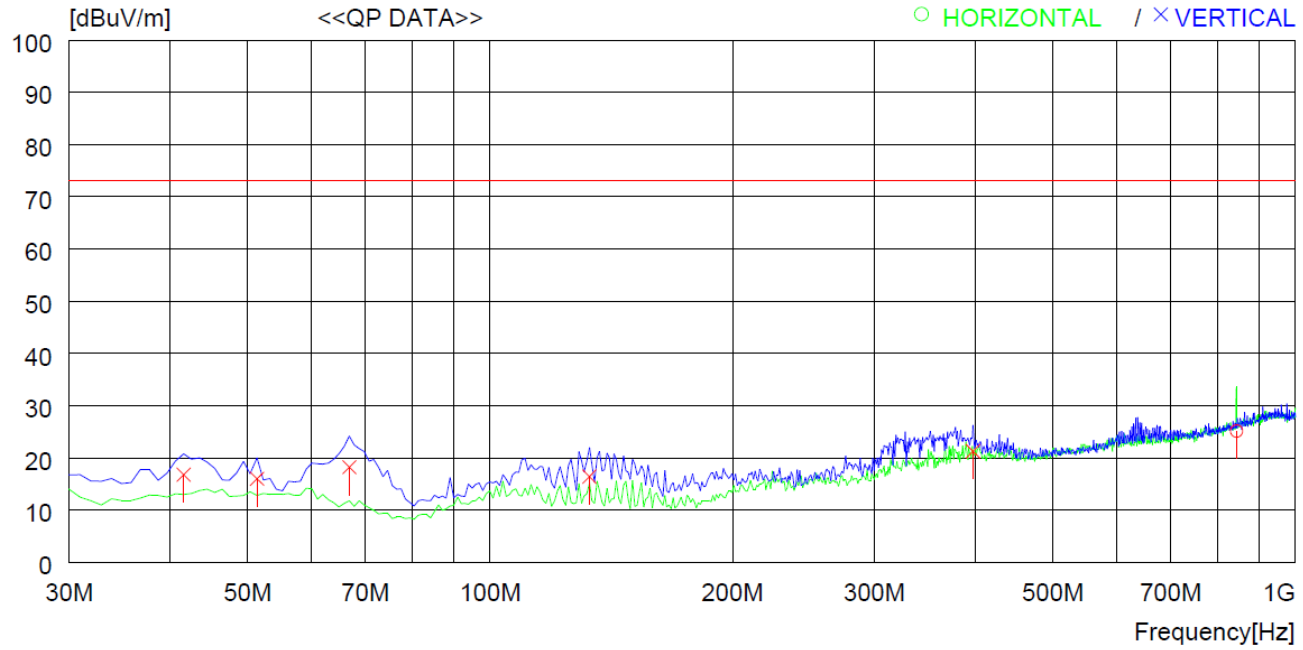
Cooking Areas 3			
Frequency range	: 30 MHz ~ 1 000 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 120 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	844.791	20.1	21.3	12.1	28.4	25.1	73.1	48.0	400	304
----- Vertical ------										
2	41.640	28.9	13.8	2.5	28.4	16.8	73.1	56.3	200	0
3	51.340	27.9	13.8	2.7	28.4	16.0	73.1	57.1	200	50
4	66.860	32.4	11.0	3.1	28.3	18.2	73.1	54.9	100	359
5	132.820	31.2	8.9	4.5	28.2	16.4	73.1	56.7	100	0
6	397.630	25.0	15.9	8.1	27.7	21.3	73.1	51.8	100	324

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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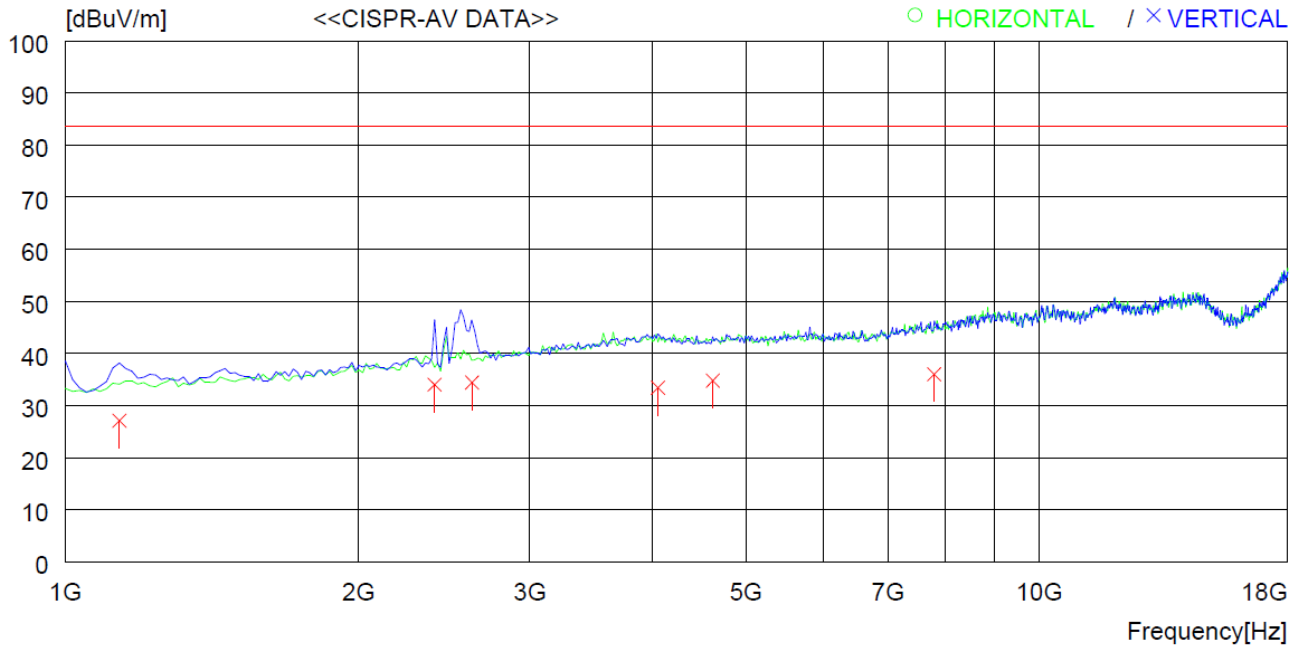
Cooking Areas 3			
Frequency range	: 1 GHz ~ 18 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	1136.028	39.8	24.4	2.4	39.5	27.1	83.5	56.4	100	118
2	2394.413	42.3	28.1	3.5	39.9	34.0	83.5	49.5	100	143
3	2615.976	42.1	28.7	3.6	40.0	34.4	83.5	49.1	100	152
4	4060.488	36.5	32.6	4.6	40.3	33.4	83.5	50.1	100	359
5	4621.726	37.7	32.6	4.9	40.4	34.8	83.5	48.7	100	342
6	7800.141	33.6	37.0	6.3	40.9	36.0	83.5	47.5	100	281

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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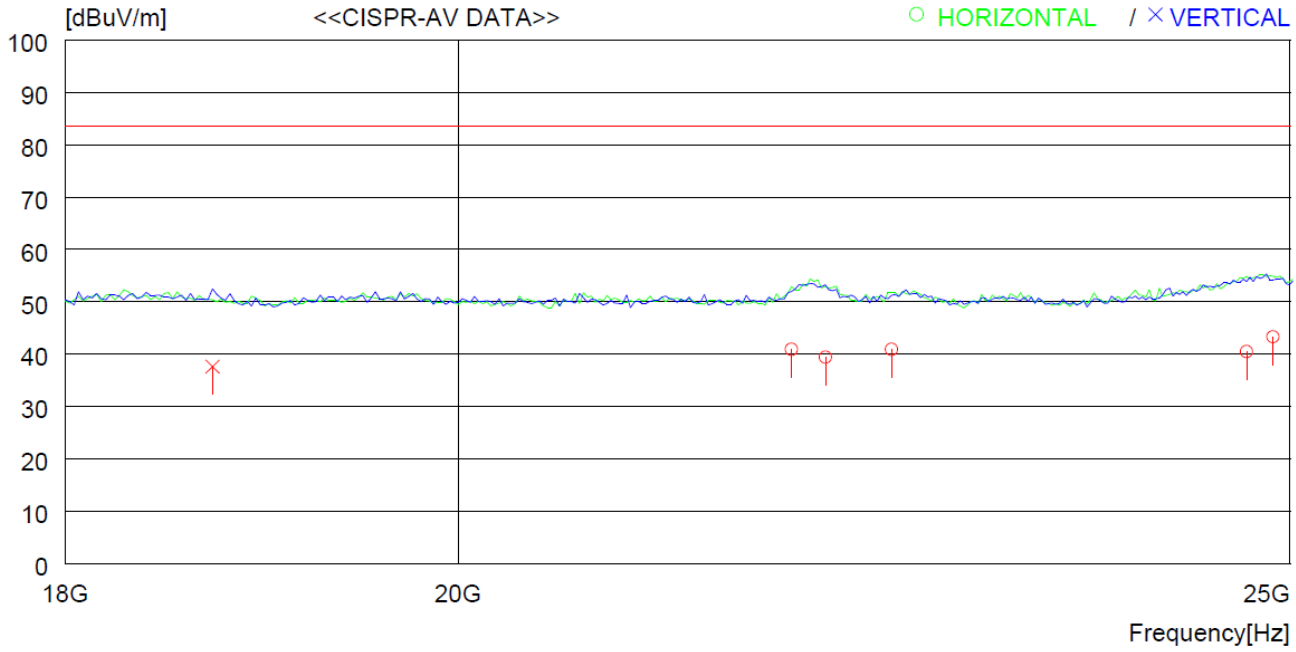
Cooking Areas 3			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	21872.010	32.5	40.2	11.0	42.8	40.9	83.5	42.6	100	11
2	22070.360	31.0	40.2	11.1	42.9	39.4	83.5	44.1	100	0
3	22466.700	32.9	40.1	10.9	43.0	40.9	83.5	42.6	200	0
4	24710.610	32.0	40.2	11.4	43.1	40.5	83.5	43.0	100	172
5	24886.150	34.5	40.3	11.5	43.0	43.3	83.5	40.2	200	105
----- Vertical ------										
6	18726.510	27.1	40.4	10.1	40.0	37.6	83.5	45.9	100	359

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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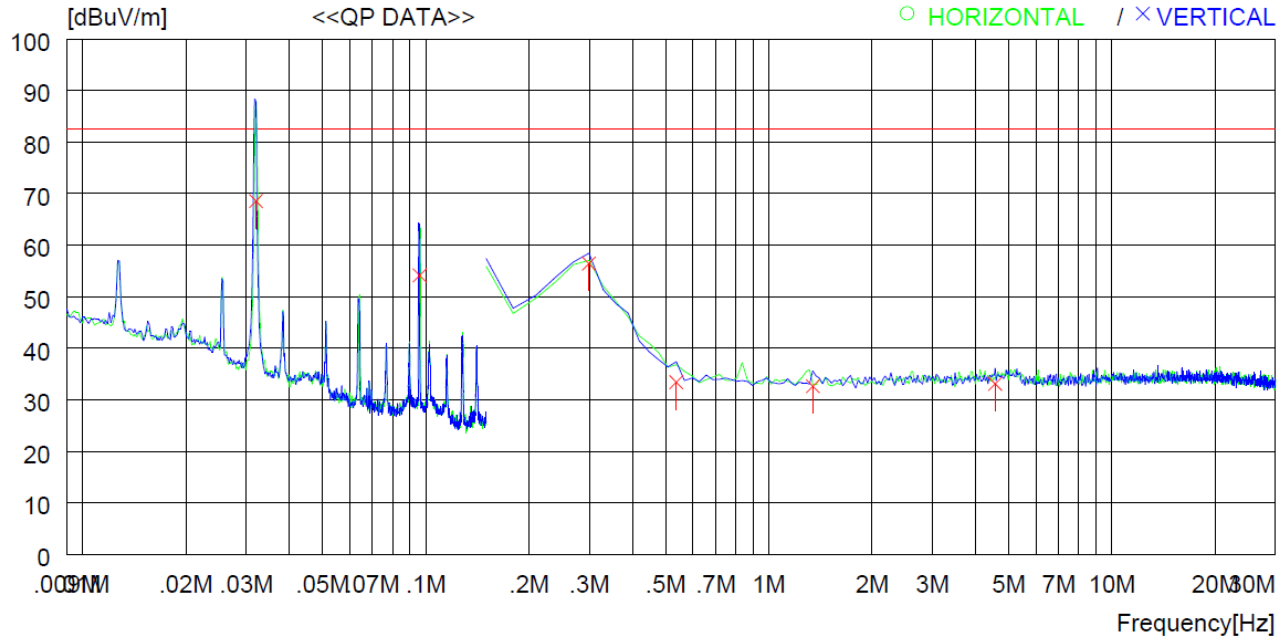
Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 200 Hz, 9 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	0.032	47.2	21.0	0.3	0.0	68.5	82.6	14.1	100	0
2	0.096	32.7	21.1	0.3	0.0	54.1	82.6	28.5	100	359
3	0.299	35.0	21.1	0.3	0.0	56.4	82.6	26.2	100	359
4	0.538	11.9	21.1	0.4	0.0	33.4	82.6	49.2	100	359
5	1.344	10.9	21.2	0.5	0.0	32.6	82.6	50.0	100	145
6	4.568	11.1	21.1	0.9	0.0	33.1	82.6	49.5	100	359

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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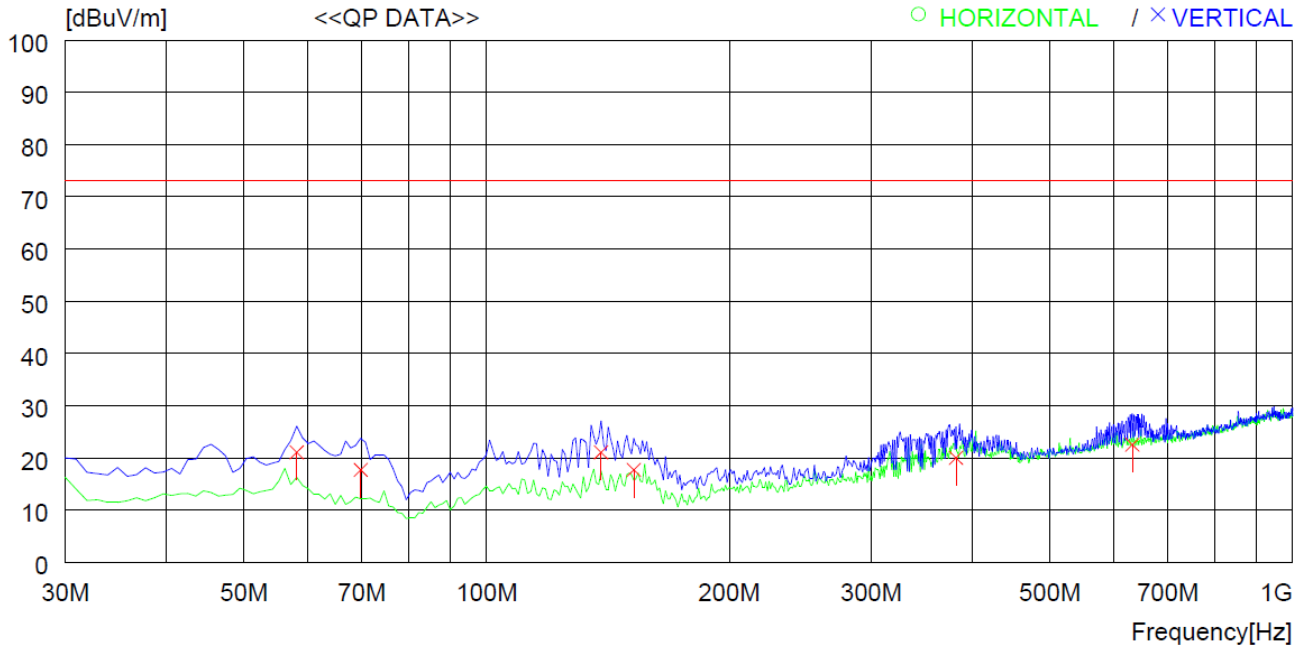
Cooking Areas 4			
Frequency range	: 30 MHz ~ 1 000 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 120 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	58.130	33.3	13.3	2.9	28.4	21.1	73.1	52.0	100	5
2	69.770	32.7	10.1	3.2	28.3	17.7	73.1	55.4	200	0
3	138.640	36.3	8.4	4.6	28.2	21.1	73.1	52.0	100	285
4	152.220	32.5	8.6	4.8	28.2	17.7	73.1	55.4	100	117
5	382.110	24.2	15.6	7.9	27.7	20.0	73.1	53.1	100	359
6	632.367	21.6	19.2	10.6	28.9	22.5	73.1	50.6	200	0

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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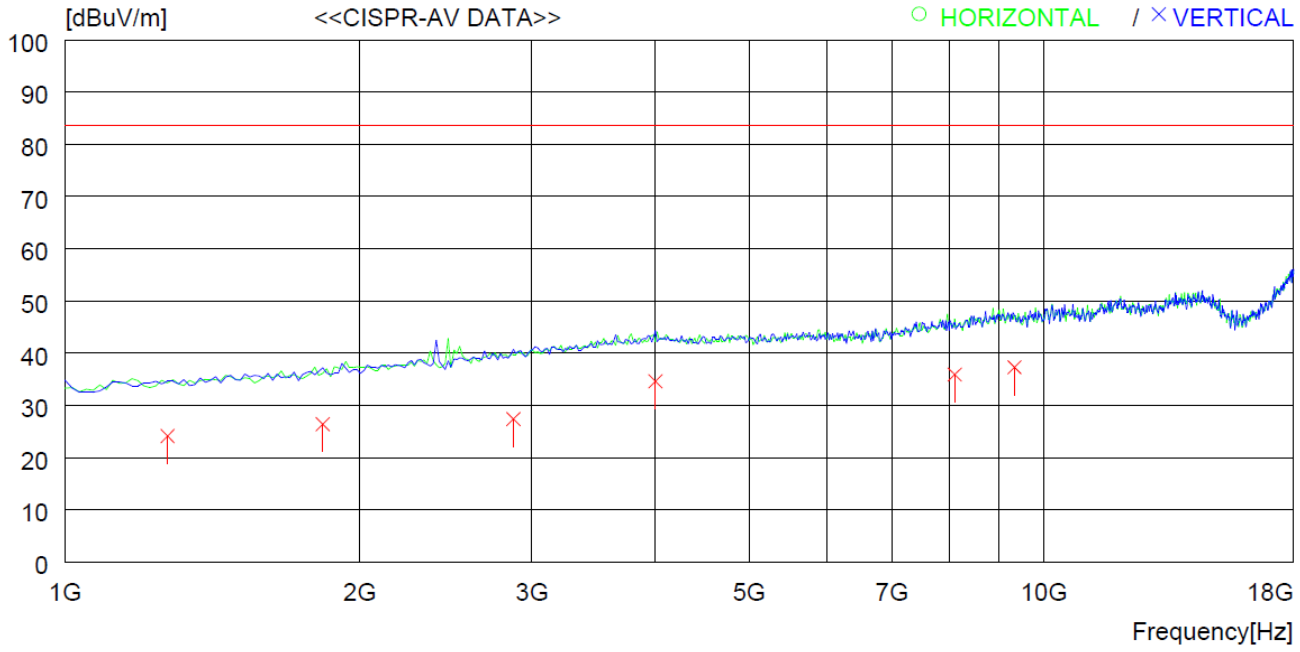
Cooking Areas 4			
Frequency range	: 1 GHz ~ 18 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	1272.792	36.2	24.8	2.6	39.5	24.1	83.5	59.4	100	137
2	1833.166	36.5	26.6	3.0	39.7	26.4	83.5	57.1	100	0
3	2870.902	34.1	29.6	3.8	40.1	27.4	83.5	56.1	100	60
4	4009.384	37.7	32.6	4.6	40.3	34.6	83.5	48.9	100	0
5	8106.626	32.9	37.5	6.4	40.9	35.9	83.5	47.6	100	0
6	9330.138	33.0	38.2	7.0	40.9	37.3	83.5	46.2	100	128

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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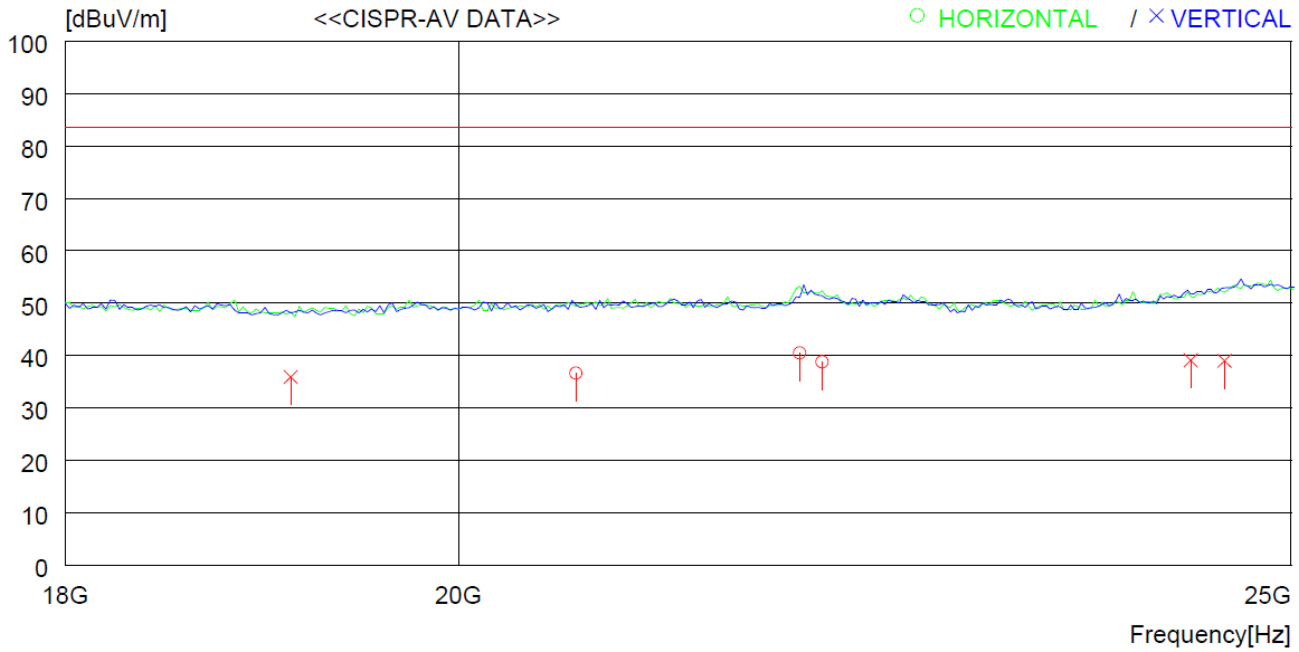
Cooking Areas 4			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	20640.310	27.8	40.3	10.5	42.0	36.6	83.5	46.9	200	0
2	21916.020	31.9	40.2	10.9	42.5	40.5	83.5	43.0	100	0
3	22048.270	30.2	40.2	10.9	42.5	38.8	83.5	44.7	100	105
----- Vertical ------										
4	19122.010	26.5	40.1	10.2	40.9	35.9	83.5	47.6	100	248
5	24336.610	30.1	40.1	11.4	42.5	39.1	83.5	44.4	300	359
6	24556.610	29.8	40.2	11.5	42.5	39.0	83.5	44.5	100	355

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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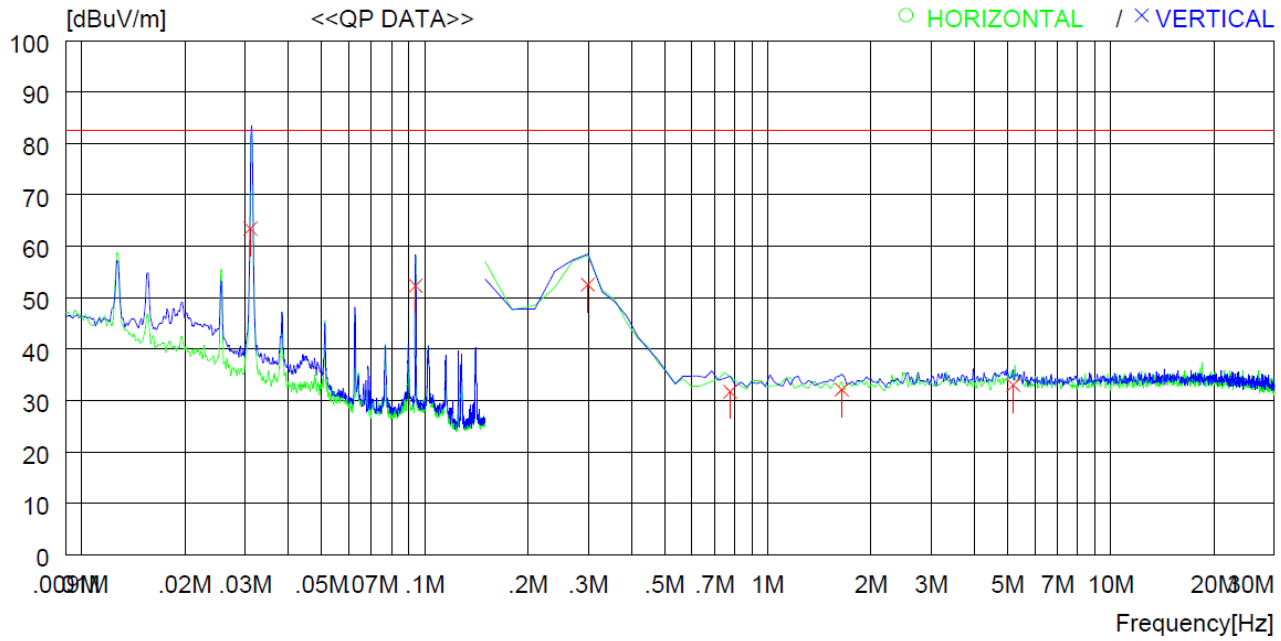
5.2.6.2 Operating Condition: AC 240 V / 60 Hz

-. Test Result : Pass

Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 200 Hz, 9 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	0.031	42.1	21.0	0.3	0.0	63.4	82.6	19.2	100	51
2	0.094	30.9	21.1	0.3	0.0	52.3	82.6	30.3	100	51
3	0.299	31.1	21.1	0.3	0.0	52.5	82.6	30.1	100	296
4	0.777	10.0	21.2	0.5	0.0	31.7	82.6	50.9	100	58
5	1.643	10.3	21.2	0.6	0.0	32.1	82.6	50.5	100	226
6	5.195	11.0	21.1	0.9	0.0	33.0	82.6	49.6	100	0

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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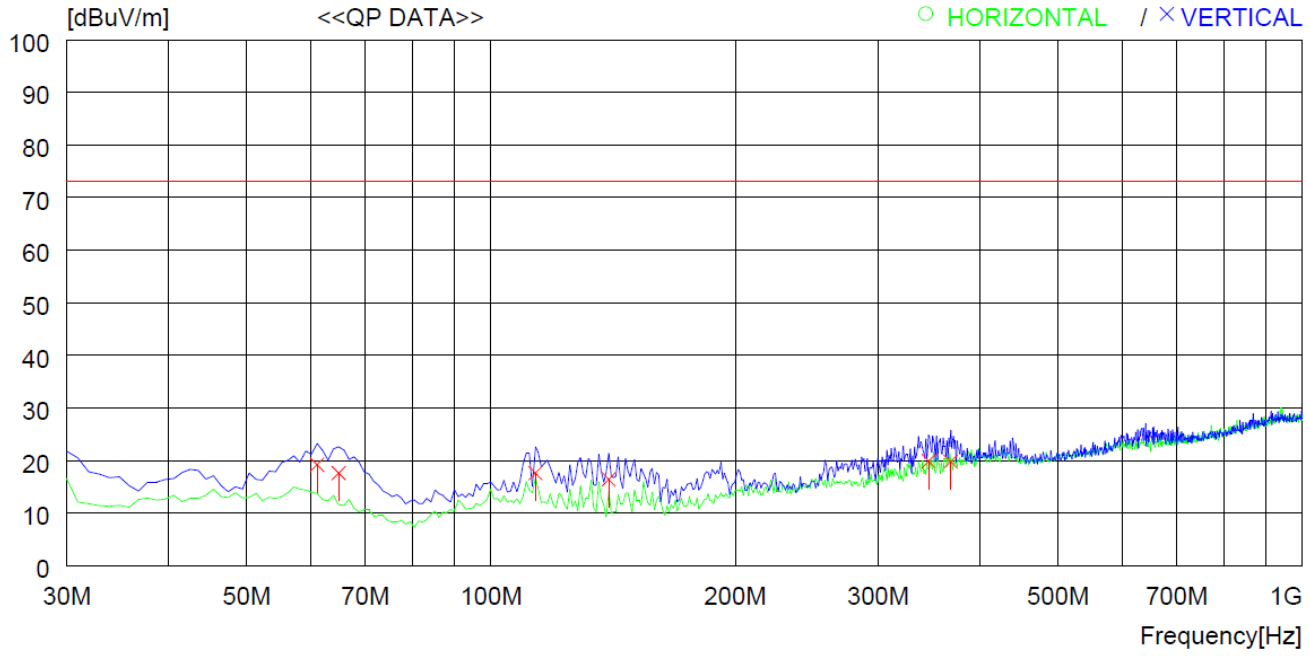
Cooking Areas 1			
Frequency range	: 30 MHz ~ 1 000 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 120 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	61.040	31.8	12.9	2.9	28.4	19.2	73.1	53.9	200	13
2	64.920	31.2	11.6	3.1	28.3	17.6	73.1	55.5	100	0
3	113.420	30.9	10.9	4.1	28.3	17.6	73.1	55.5	200	359
4	139.610	31.7	8.3	4.6	28.2	16.4	73.1	56.7	100	159
5	346.220	25.5	14.7	7.4	27.7	19.9	73.1	53.2	100	0
6	368.530	24.6	15.2	7.7	27.7	19.8	73.1	53.3	100	65

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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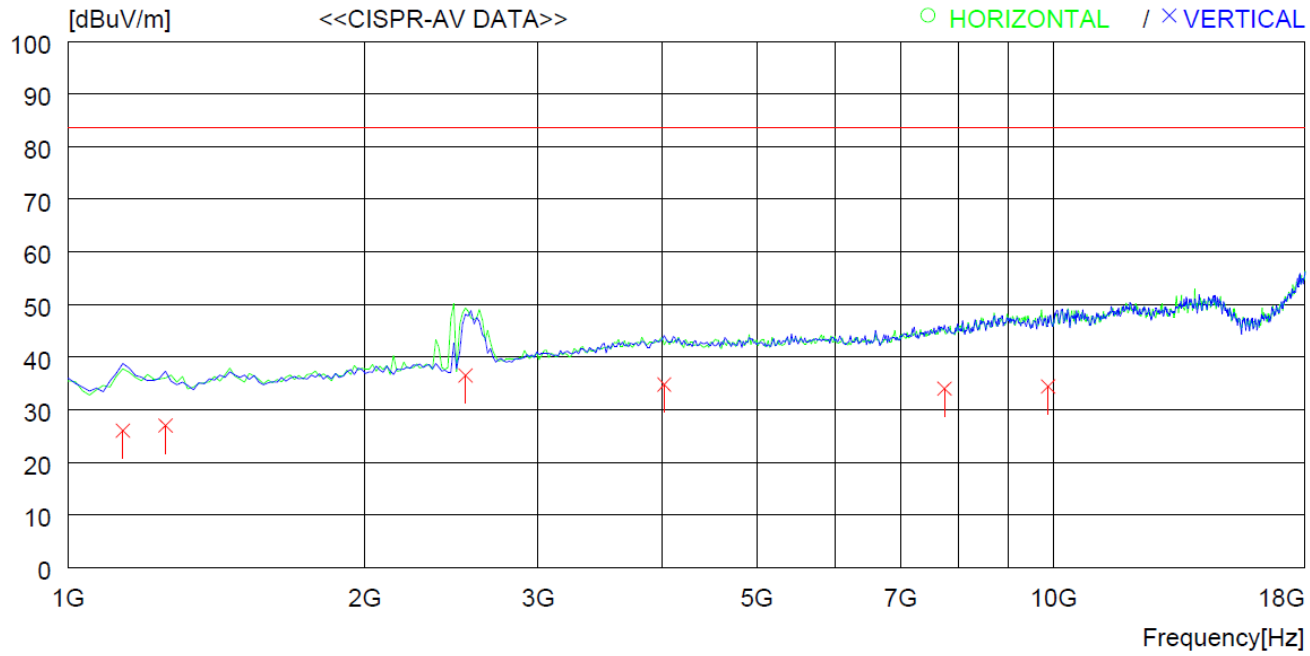
Cooking Areas 1			
Frequency range	: 1 GHz ~ 18 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	1136.483	38.7	24.4	2.4	39.5	26.0	83.5	57.5	100	359
2	1255.045	39.2	24.7	2.6	39.5	27.0	83.5	56.5	100	111
3	2530.328	44.5	28.4	3.6	40.0	36.5	83.5	47.0	100	359
4	4026.474	37.9	32.6	4.6	40.3	34.8	83.5	48.7	100	359
5	7749.180	31.6	36.9	6.4	40.9	34.0	83.5	49.5	100	359
6	9874.223	30.2	38.1	7.1	41.0	34.4	83.5	49.1	100	249

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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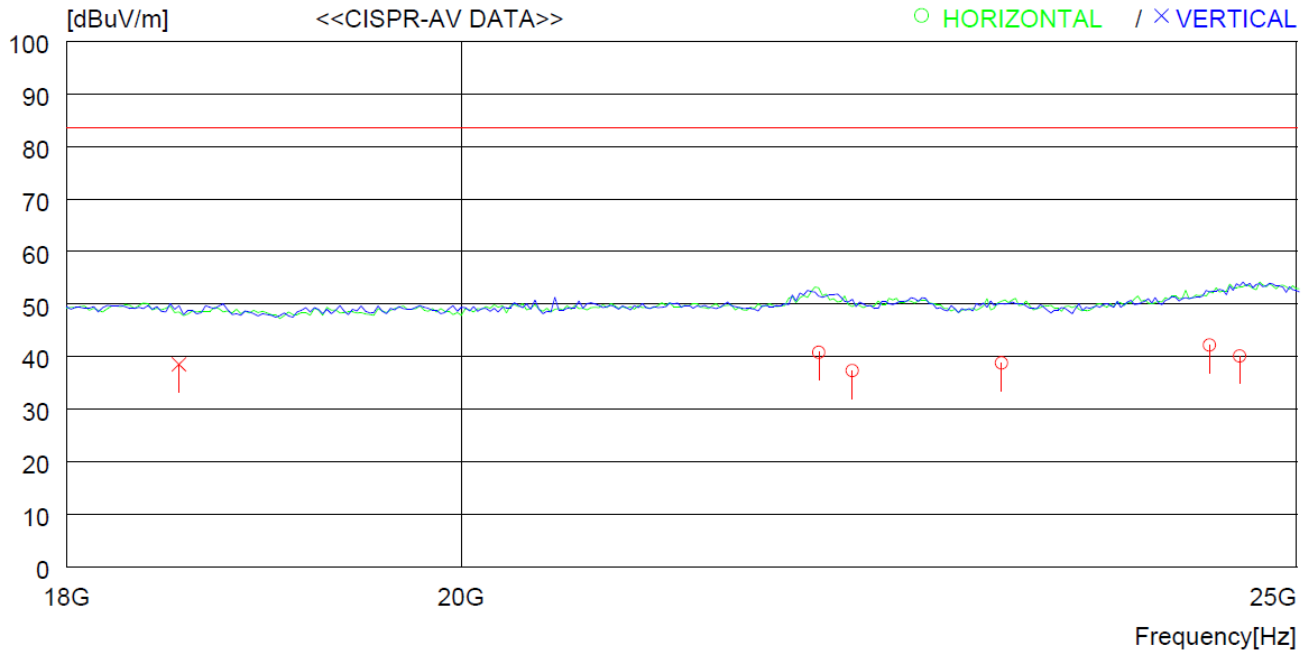
Cooking Areas 1			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	22004.810	32.1	40.2	10.9	42.4	40.8	83.5	42.7	100	0
2	22202.150	28.7	40.2	10.9	42.5	37.3	83.5	46.2	100	171
3	23104.220	30.6	40.0	10.9	42.7	38.8	83.5	44.7	100	0
4	24424.050	33.0	40.2	11.5	42.5	42.2	83.5	41.3	200	146
5	24622.010	30.8	40.2	11.6	42.5	40.1	83.5	43.4	100	0
----- Vertical ------										
6	18550.010	28.5	40.2	9.9	40.1	38.5	83.5	45.0	100	275

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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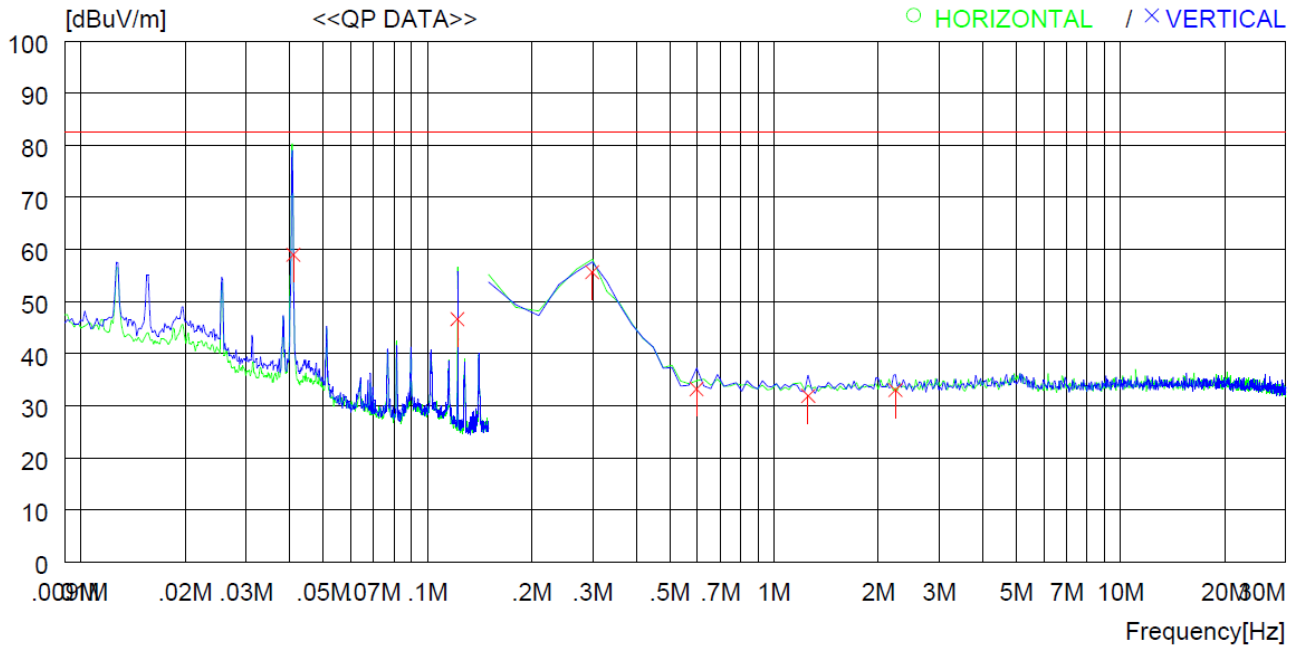
Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 200 Hz, 9 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	0.041	37.7	21.0	0.3	0.0	59.0	82.6	23.6	100	277
2	0.122	25.2	21.1	0.3	0.0	46.6	82.6	36.0	100	32
3	0.299	34.2	21.1	0.3	0.0	55.6	82.6	27.0	100	359
4	0.598	11.7	21.1	0.4	0.0	33.2	82.6	49.4	100	359
5	1.254	10.2	21.2	0.5	0.0	31.9	82.6	50.7	100	359
6	2.240	11.2	21.2	0.6	0.0	33.0	82.6	49.6	100	359

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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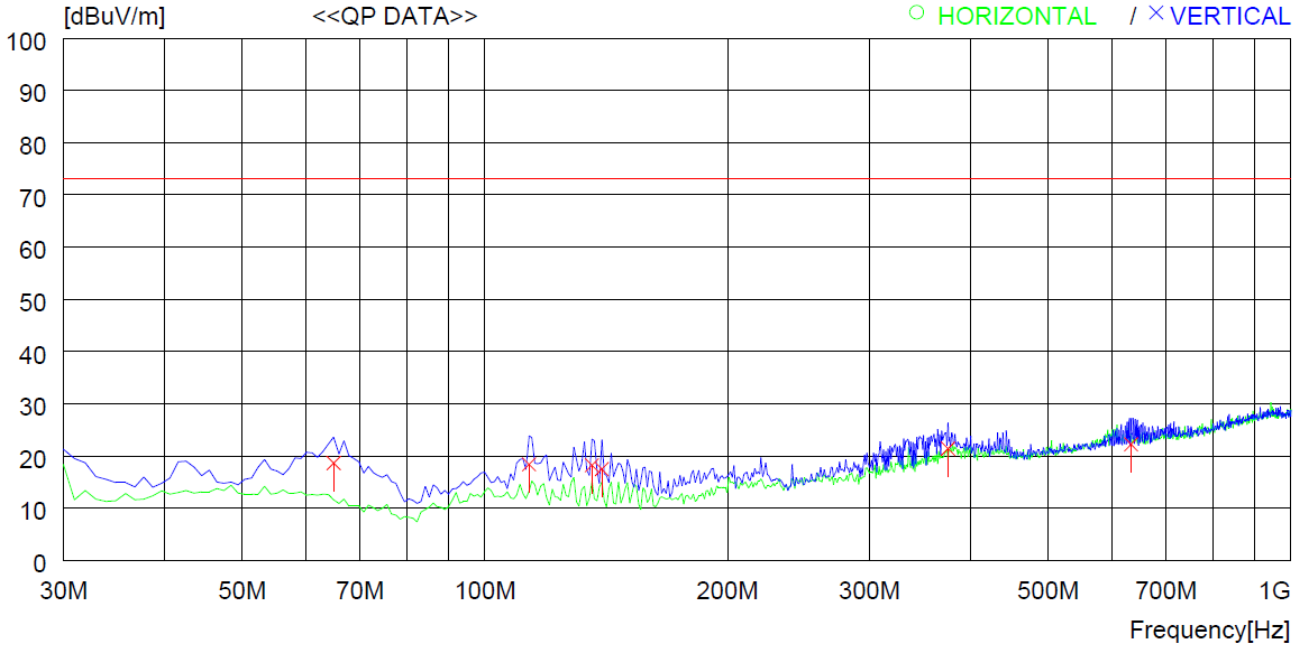
Cooking Areas 2			
Frequency range	: 30 MHz ~ 1 000 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 120 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	64.920	32.2	11.6	3.1	28.3	18.6	73.1	54.5	200	359
2	113.420	31.7	10.9	4.1	28.3	18.4	73.1	54.7	100	43
3	135.730	33.2	8.7	4.5	28.2	18.2	73.1	54.9	200	359
4	139.610	32.8	8.3	4.6	28.2	17.5	73.1	55.6	200	145
5	375.320	25.9	15.4	7.8	27.7	21.4	73.1	51.7	100	68
6	633.337	21.3	19.2	10.6	28.9	22.2	73.1	50.9	200	110

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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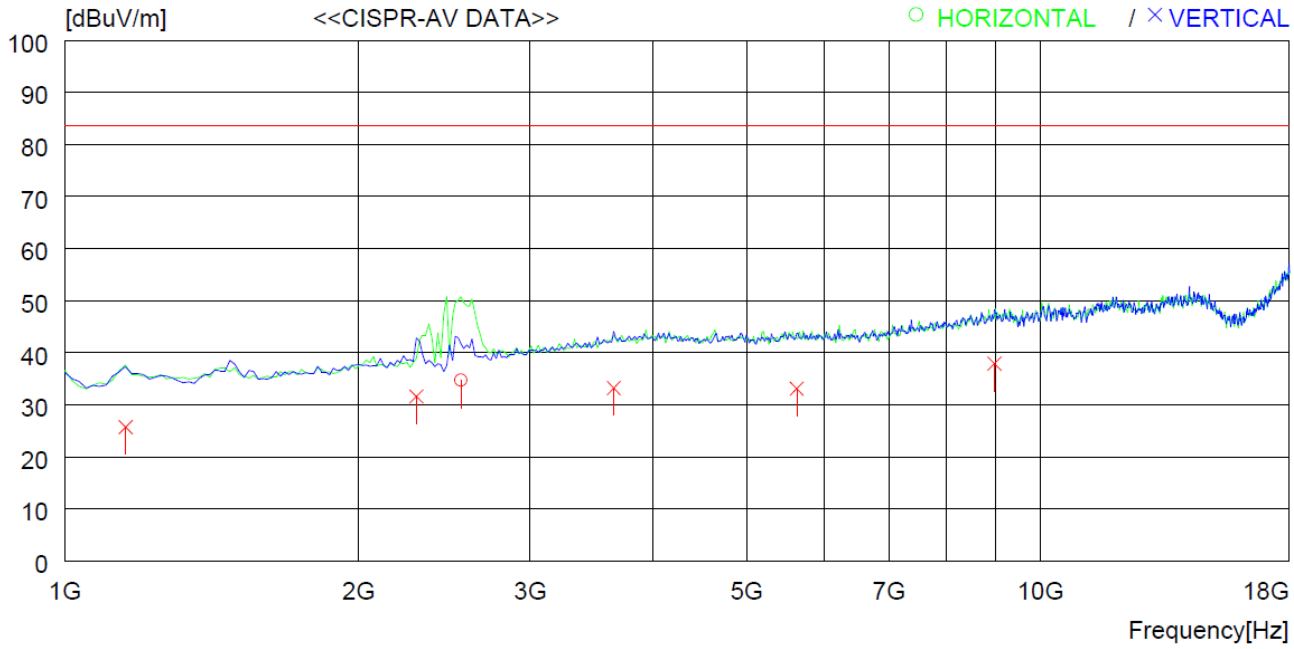
Cooking Areas 2			
Frequency range	: 1 GHz ~ 18 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	2547.483	42.6	28.5	3.6	40.0	34.7	83.5	48.8	100	126
----- Vertical ------										
2	1153.811	38.2	24.5	2.5	39.5	25.7	83.5	57.8	100	359
3	2292.142	40.2	27.9	3.4	39.9	31.6	83.5	51.9	100	359
4	3652.925	37.2	31.6	4.6	40.2	33.2	83.5	50.3	100	82
5	5624.142	34.2	34.0	5.5	40.6	33.1	83.5	50.4	100	58
6	8973.325	33.3	38.6	6.9	40.9	37.9	83.5	45.6	100	359

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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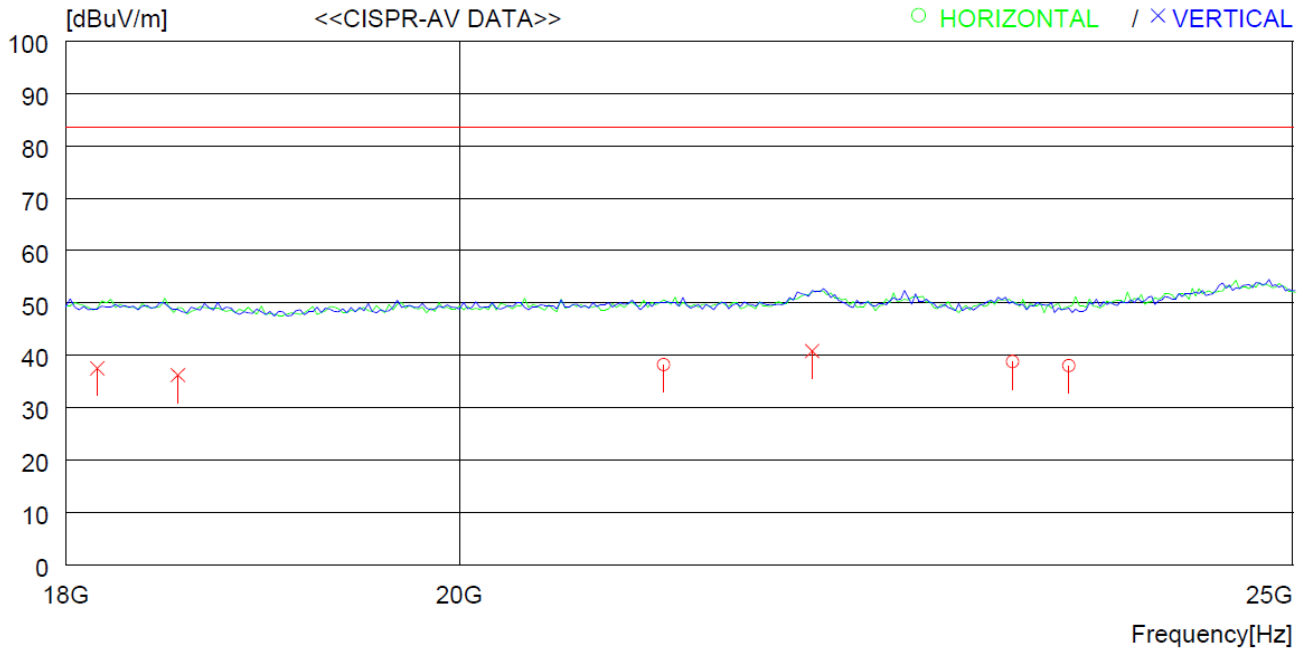
Cooking Areas 2			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	21124.620	29.5	40.3	10.6	42.2	38.2	83.5	45.3	100	6
2	23192.370	30.7	40.0	10.9	42.8	38.8	83.5	44.7	100	0
3	23544.840	30.0	40.0	10.9	42.9	38.0	83.5	45.5	100	341
----- Vertical ------										
4	18154.020	27.0	40.3	9.8	39.6	37.5	83.5	46.0	100	359
5	18550.310	26.2	40.2	9.9	40.1	36.2	83.5	47.3	100	359
6	21982.010	32.1	40.2	10.9	42.4	40.8	83.5	42.7	100	358

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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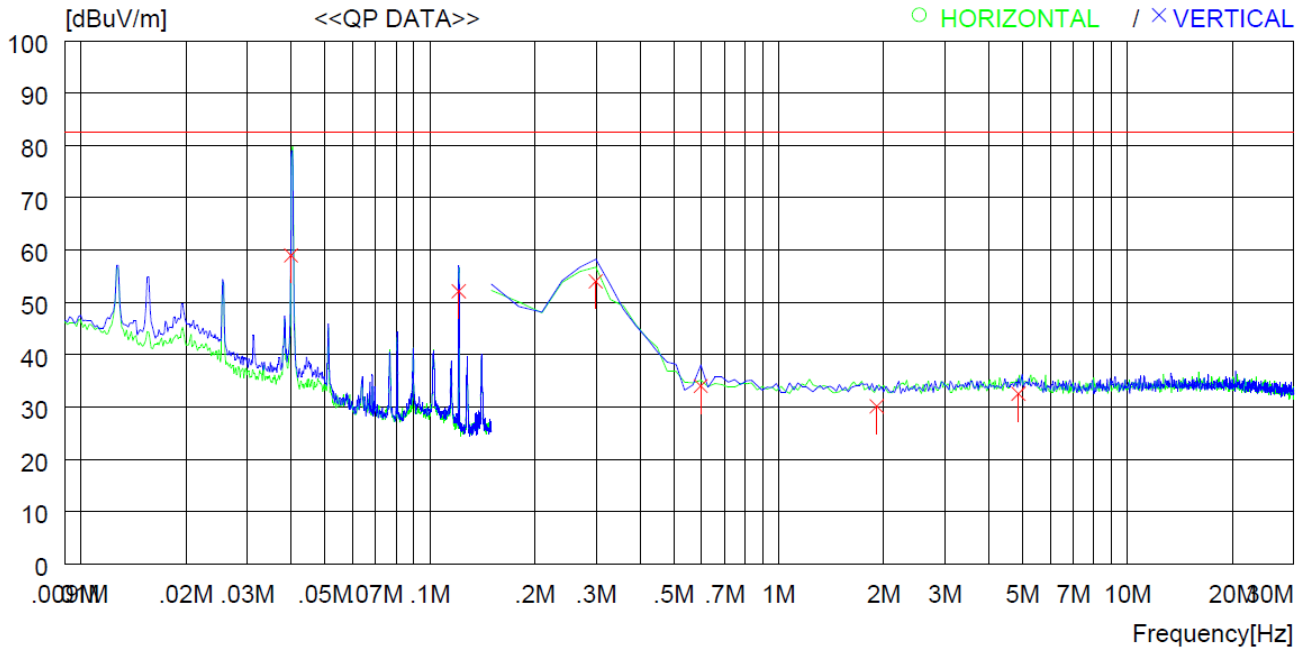
Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 200 Hz, 9 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	0.040	37.7	21.0	0.3	0.0	59.0	82.6	23.6	100	75
2	0.121	30.7	21.1	0.3	0.0	52.1	82.6	30.5	100	0
3	0.299	32.6	21.1	0.3	0.0	54.0	82.6	28.6	100	359
4	0.598	12.5	21.1	0.4	0.0	34.0	82.6	48.6	100	359
5	1.911	8.3	21.2	0.6	0.0	30.1	82.6	52.5	100	333
6	4.866	10.5	21.1	0.9	0.0	32.5	82.6	50.1	100	0

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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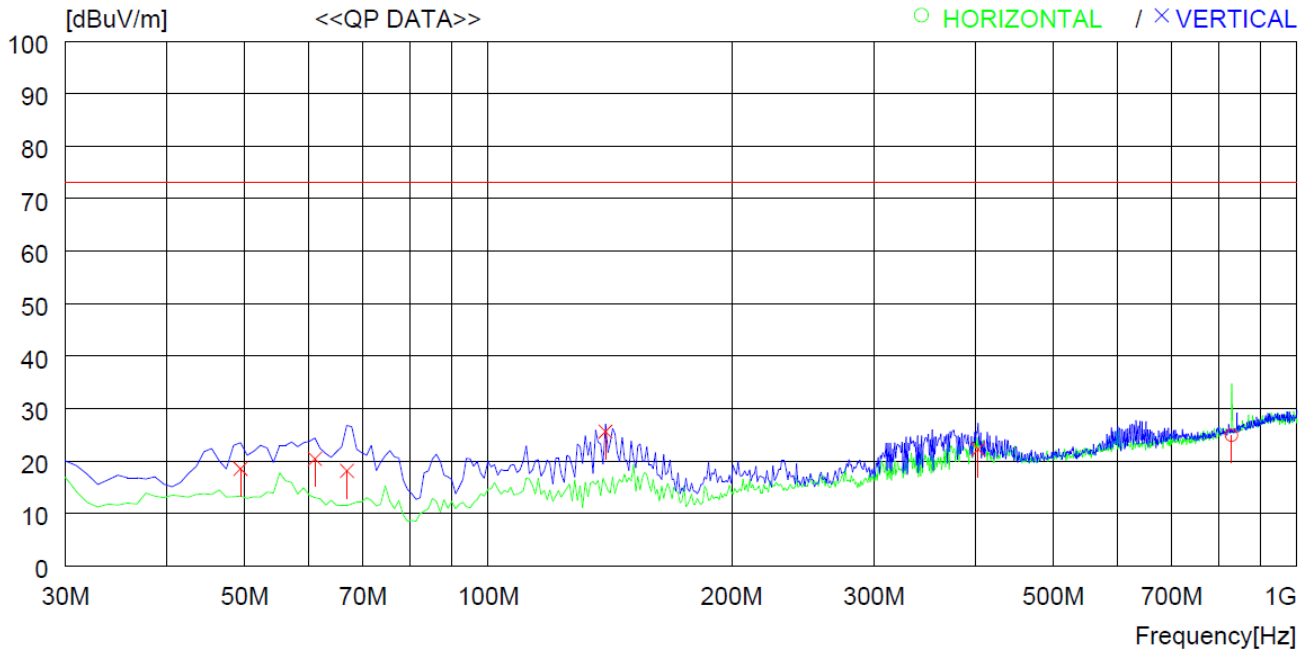
Cooking Areas 3			
Frequency range	: 30 MHz ~ 1 000 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 120 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	830.241	20.1	21.1	12.1	28.4	24.9	73.1	48.2	300	359
----- Vertical ------										
2	49.400	30.3	13.9	2.7	28.4	18.5	73.1	54.6	200	0
3	61.040	33.0	12.9	2.9	28.4	20.4	73.1	52.7	100	244
4	66.860	32.3	11.0	3.1	28.3	18.1	73.1	55.0	100	51
5	139.610	40.9	8.3	4.6	28.2	25.6	73.1	47.5	100	359
6	403.450	25.7	16.0	8.2	27.7	22.2	73.1	50.9	100	359

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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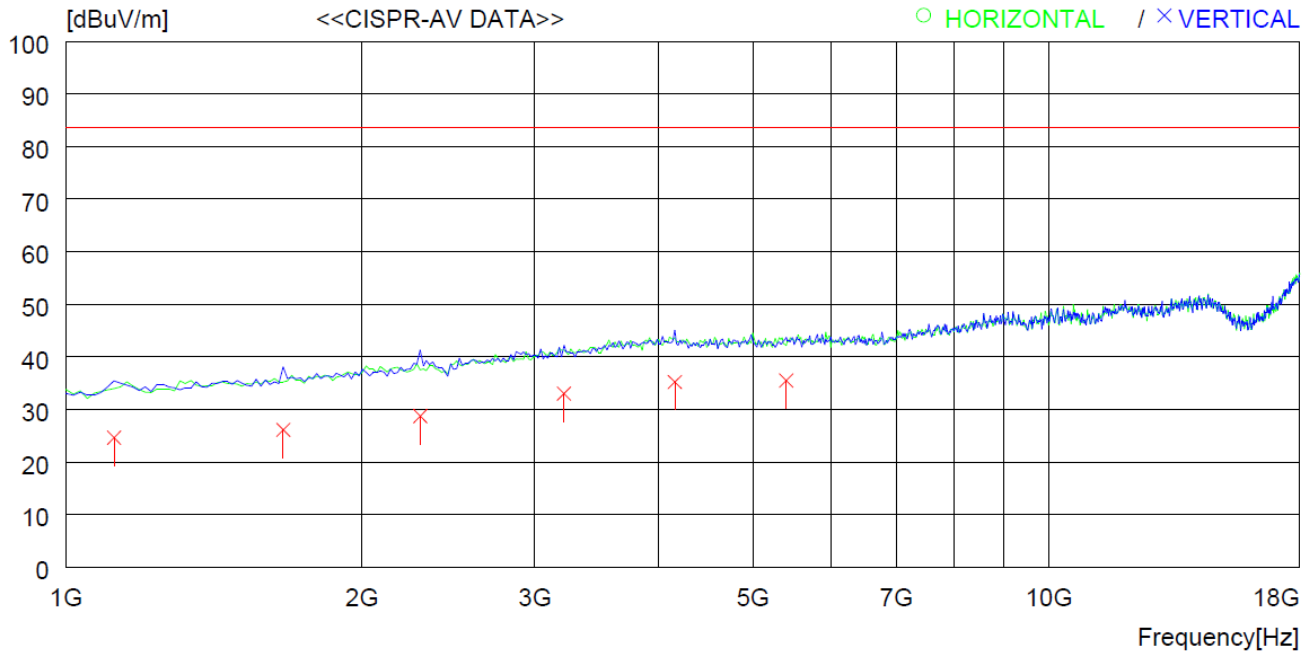
Cooking Areas 3			
Frequency range	: 1 GHz ~ 18 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	1119.023	37.2	24.4	2.4	39.4	24.6	83.5	58.9	100	0
2	1663.458	36.9	26.0	2.9	39.7	26.1	83.5	57.4	100	0
3	2292.913	37.3	27.9	3.4	39.9	28.7	83.5	54.8	100	0
4	3210.624	38.6	30.5	4.0	40.1	33.0	83.5	50.5	100	44
5	4162.182	38.3	32.5	4.7	40.3	35.2	83.5	48.3	100	259
6	5403.552	36.7	33.9	5.4	40.5	35.5	83.5	48.0	100	117

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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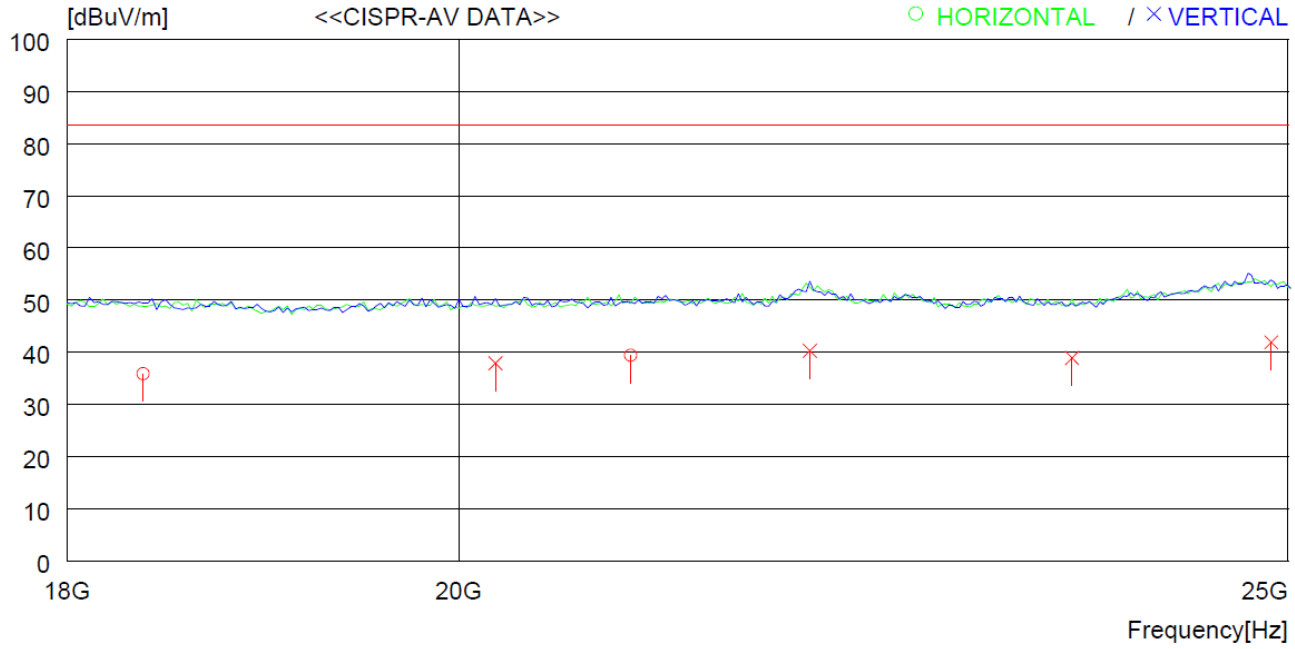
Cooking Areas 3			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	18374.000	25.8	40.2	9.8	39.9	35.9	83.5	47.6	100	0
2	20948.000	30.5	40.3	10.6	42.0	39.4	83.5	44.1	200	171
----- Vertical ------										
3	20200.000	29.1	40.2	10.4	41.8	37.9	83.5	45.6	200	128
4	21982.000	31.6	40.2	10.9	42.4	40.3	83.5	43.2	100	43
5	23588.000	30.7	40.0	11.0	42.8	38.9	83.5	44.6	100	28
6	24886.000	32.4	40.3	11.8	42.6	41.9	83.5	41.6	300	43

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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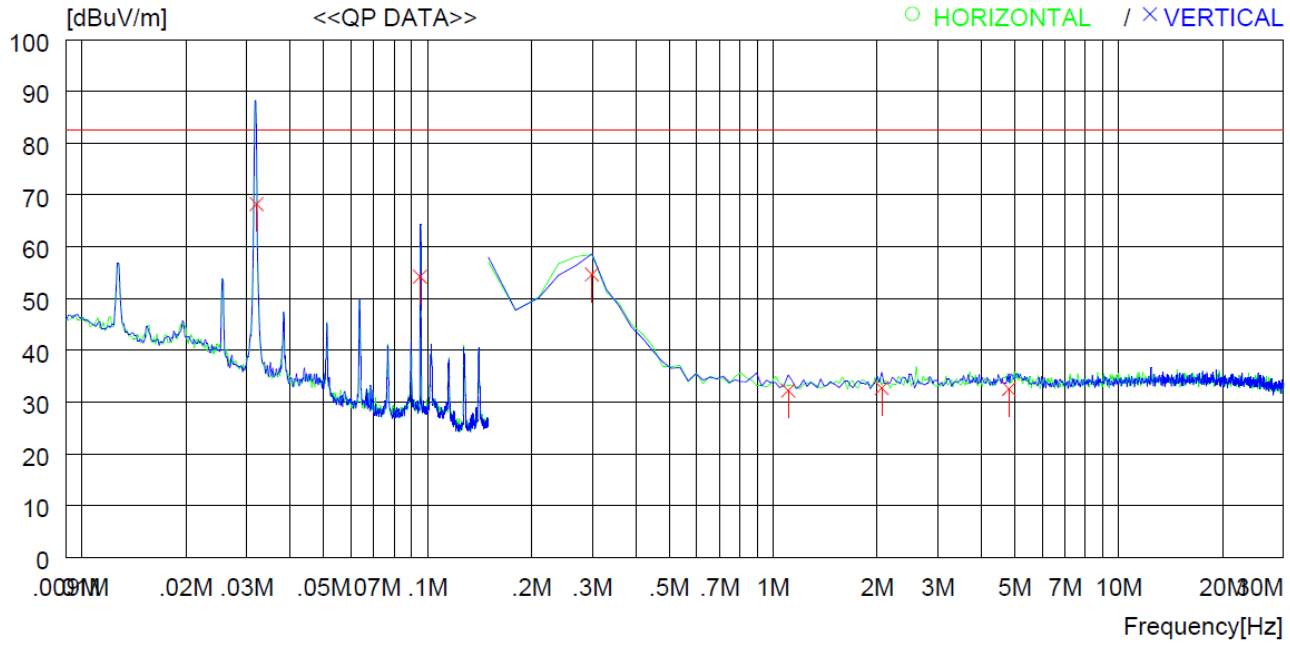
Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 200 Hz, 9 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	0.032	46.9	21.0	0.3	0.0	68.2	82.6	14.4	100	3
2	0.095	32.8	21.1	0.3	0.0	54.2	82.6	28.4	100	359
3	0.299	33.2	21.1	0.3	0.0	54.6	82.6	28.0	100	359
4	1.105	10.5	21.2	0.5	0.0	32.2	82.6	50.4	100	348
5	2.060	10.9	21.2	0.6	0.0	32.7	82.6	49.9	100	160
6	4.807	10.5	21.1	0.9	0.0	32.5	82.6	50.1	100	359

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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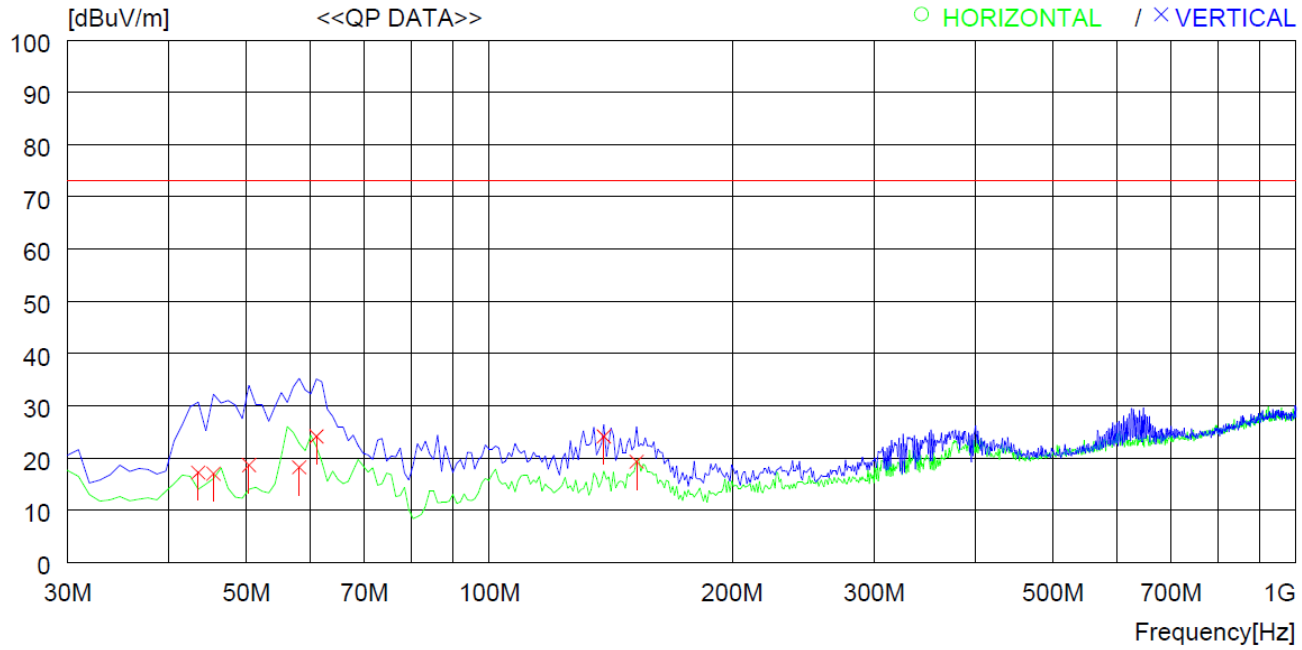
Cooking Areas 4			
Frequency range	: 30 MHz ~ 1 000 MHz	Test Date	: July 12, 2023
Resolution bandwidth	: 120 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	43.580	29.1	14.0	2.5	28.4	17.2	73.1	55.9	100	359
2	45.520	28.7	14.1	2.6	28.4	17.0	73.1	56.1	200	0
3	50.370	30.4	13.9	2.7	28.4	18.6	73.1	54.5	200	0
4	58.130	30.4	13.3	2.9	28.4	18.2	73.1	54.9	200	0
5	61.040	36.7	12.9	2.9	28.4	24.1	73.1	49.0	100	359
6	138.640	39.3	8.4	4.6	28.2	24.1	73.1	49.0	100	321
7	152.220	34.1	8.6	4.8	28.2	19.3	73.1	53.8	100	359

Remark: Margin (dB) = Limit – Result

Result = Reading Quasi-Peak + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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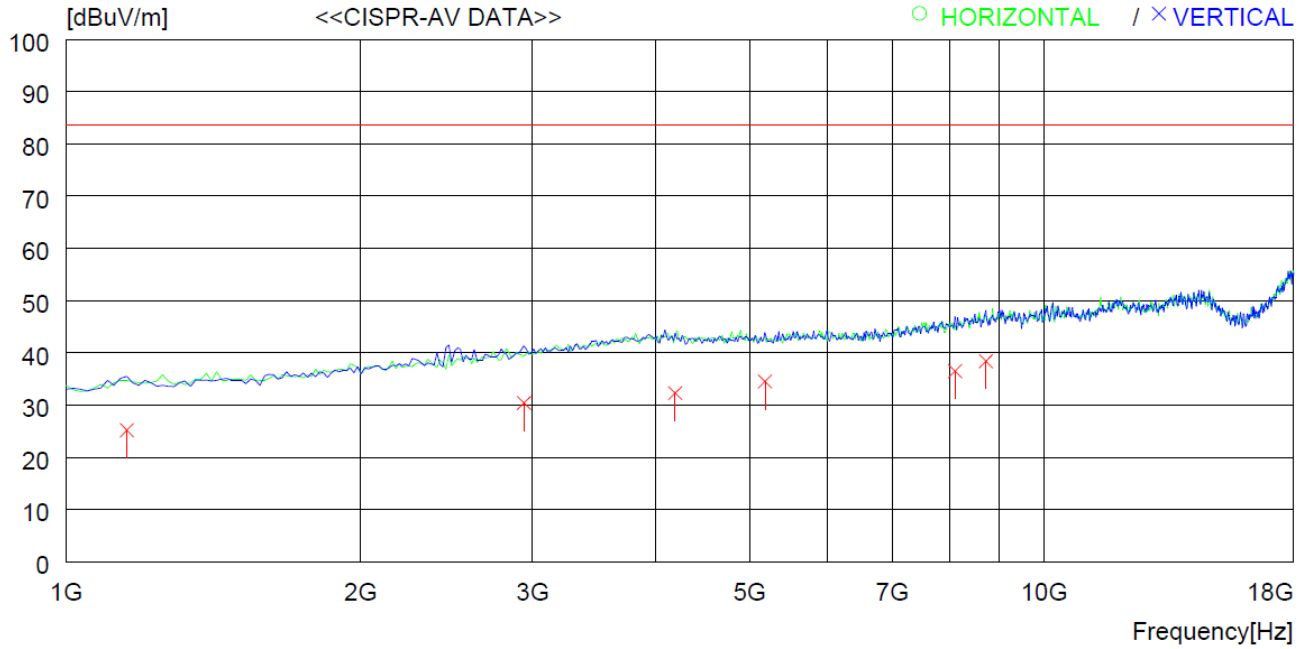
Cooking Areas 4			
Frequency range	: 1 GHz ~ 18 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical ------										
1	1153.343	37.7	24.5	2.5	39.5	25.2	83.5	58.3	100	92
2	2938.085	36.8	29.8	3.9	40.1	30.4	83.5	53.1	100	0
3	4196.418	35.4	32.5	4.7	40.3	32.3	83.5	51.2	100	191
4	5182.622	36.2	33.6	5.2	40.5	34.5	83.5	49.0	100	59
5	8106.858	33.5	37.5	6.4	40.9	36.5	83.5	47.0	100	6
6	8718.914	34.1	38.5	6.7	40.9	38.4	83.5	45.1	100	0

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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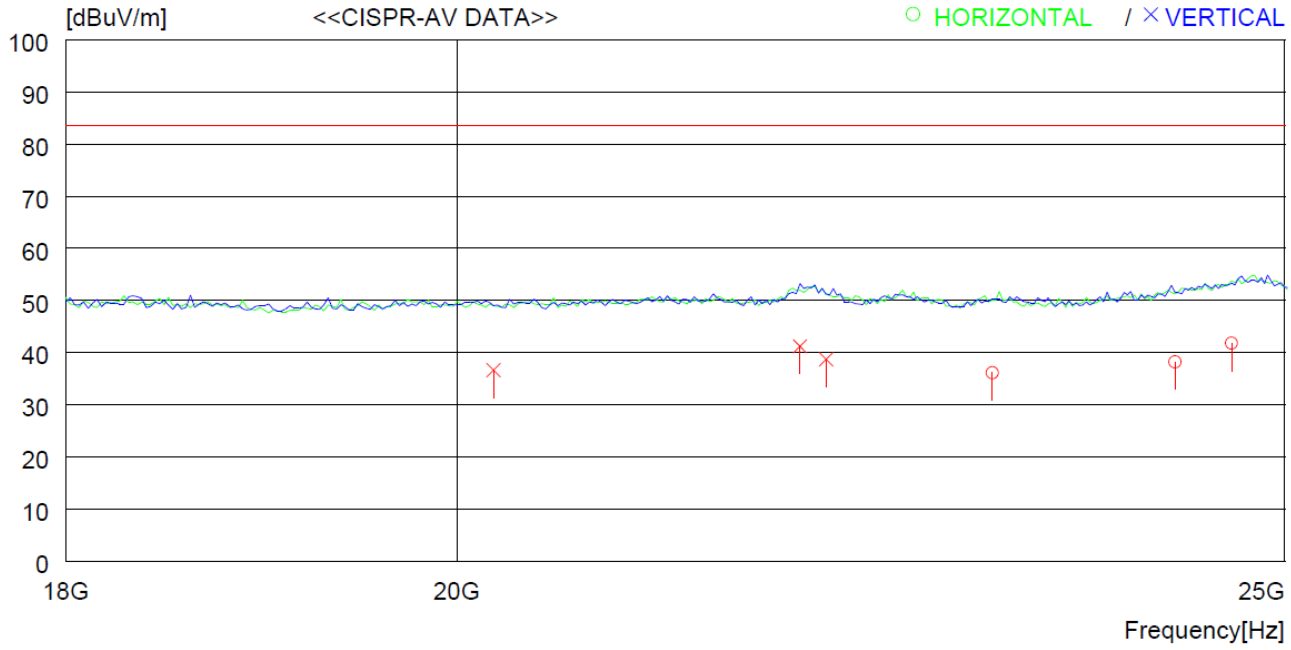
Cooking Areas 4			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: July 12, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal ------										
1	23104.380	27.9	40.0	10.9	42.7	36.1	83.5	47.4	100	357
2	24270.950	29.2	40.1	11.4	42.5	38.2	83.5	45.3	200	359
3	24644.100	32.5	40.2	11.6	42.5	41.8	83.5	41.7	100	359
----- Vertical ------										
4	20200.010	27.8	40.2	10.4	41.8	36.6	83.5	46.9	100	0
5	21938.310	32.5	40.2	10.9	42.4	41.2	83.5	42.3	100	188
6	22092.530	30.1	40.2	10.9	42.5	38.7	83.5	44.8	200	271

Remark: Margin (dB) = Limit – Result

Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

Loss and Gain in above table means Cable Loss and Pre-amplifier gain.

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5.3 Radio frequency exposure requirements Test

5.3.1 Operating Environment

Temperature : 23.3 °C

Relative humidity : 50.2 % R.H.

5.3.2 Test Setup

The radiated emissions measurements were on the 10 m semi anechoic chamber. The EUT and all local support equipments were placed on a non-conductive turntable approximately 0.8 m above the ground plane.

The maximum emission level was determined by rotating the system 360° and changing the height of the antenna between 1.0m and 4.0m, and the height of the loop antenna was set to 2m. This procedure was performed for both horizontal and vertical polarization of the receiving antenna.

5.3.3 Test Equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal. (Interval)
■ -	ESW 44	Rohde & Schwarz	Test Receiver	101851	Mar. 07, 2023 (1Y)
■ -	CO3000	Innco Systems GmbH	Controller	N/A	N/A
■ -	DT5000	Innco Systems GmbH	Turn Table	N/A	N/A
■ -	HLA 6121	TESEQ	Loop Antenna	50841	Apr. 13, 2022 (2Y)

All test equipment used is calibrated on a regular basis.

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5.3.4 Test Data

-. Test Date : July 12, 2023

-. 18.313 Radio frequency exposure requirements

1.1307 (b)(3)(ii)(A)

The available maximum time-averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required). This exemption may not be used in conjunction with other exemption criteria other than those is paragraph (b)(3)(i)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(i)(A).

-. 447498 D04 Interim General RF Exposure Guidance v01

2.2.1 1-mW Test Exemption for Multiple Sources

As discussed in § 1.1307(b)(3)(ii)(A), the 1-mW exemption intended for single transmitters may be also applied to simultaneous transmission conditions, within the same host device, according one of the following criteria:

a) When maximum available power each individual transmitting antenna within the same time averaging period is ≤ 1 mW, and the nearest parts of the antenna structures of the simultaneously operating transmitters are separated by at least 2 cm.

b) When the aggregate maximum available power of all transmitting antennas is ≤ 1 mW in the same time-averaging period. This exemption may not be combined with any other exemption.

Elements	Highest Emissions @ 10m [dBuV/m]	EIRP [dBm]	EIRP [mW]
Element 1	63.4	-27.37	0.002
Element 2	65.1	-25.67	0.003
Element 3	59.9	-30.87	0.001
Element 4	68.5	-22.27	0.006
These values are most conservative values based on measured emission regardless voltage and polarization			

EIRP[dBm] = E [dBμV/m] + 20 log (10 [m]) - 104.77 - 6

Aggregated maximum power = 0.002 + 0.003 + 0.001 + 0.006 = 0.012 mW

Therefore, 1mW test exemption can be applied and this device complies 18.313 requirement in accordance with 1.1307(b)(3)(ii)(A).

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6. SAMPLE CALCULATIONS

$$dB\mu V = 20 \log_{10} (\mu V)$$

Margin = Limit - Result

-. Example 1: 0.22900 MHz

Limit	= 52.5 dBμV (CISPR Average)
Reading	= 27.5 dBμV
Correction Factor	= Cable Loss + Pulse Limiter
	= 10.4 dB
Total	= 37.9 dBμV
Margin	= 52.5 dBμV – 37.9 dBμV
	= 14.6 dB

-. Example 2: 0.032 MHz

Limit	= 82.6 dBμV/m (Quasi-peak)
Reading	= 47.2 dBμV
Correction Factor	= Antenna Factor (21.0 dB/m) + Cable Loss (0.3 dB) - Amp. Gain (0.0 dB)
	= 21.3 dB
Total	= 68.5 dBμV/m
Margin	= 82.6 dBμV/m – 68.5 dBμV/m
	= 14.1 dB

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