

# FCC 47 CFR PART 18

## TEST REPORT

**Test Report No.** : OT-239-RED-019

**Reception No.** : 2308002781

**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** : LSIL6336FE

**Multiple Model Name** : LSIL6336\*E

**FCC ID.** : BEJS47413HB

**Serial number** : N/A

**Total page of Report** : 70 pages (including this page)

**Date of Incoming** : August 29, 2023

**Test Period** : August 31, 2023 ~ September 01, 2023

**Date of Issuing** : September 06, 2023

### SUMMARY

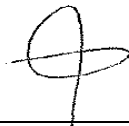
The equipment complies with the requirement of *FCC CFR 47 PART 18*.

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.

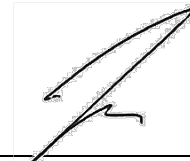
This report is not correlated with the "KS Q ISO/IEC 17025 and KOLAS accreditation" of Korean Laboratory Accreditation Scheme.

Reviewed by:



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

Approved by:



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

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

**Revision History**

Rev. No.	Issued Report No.	Issued Date	Revisions	Section Affected
0	OT-239-RED-019	September 06, 2023	Initial Issue	All

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

**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.

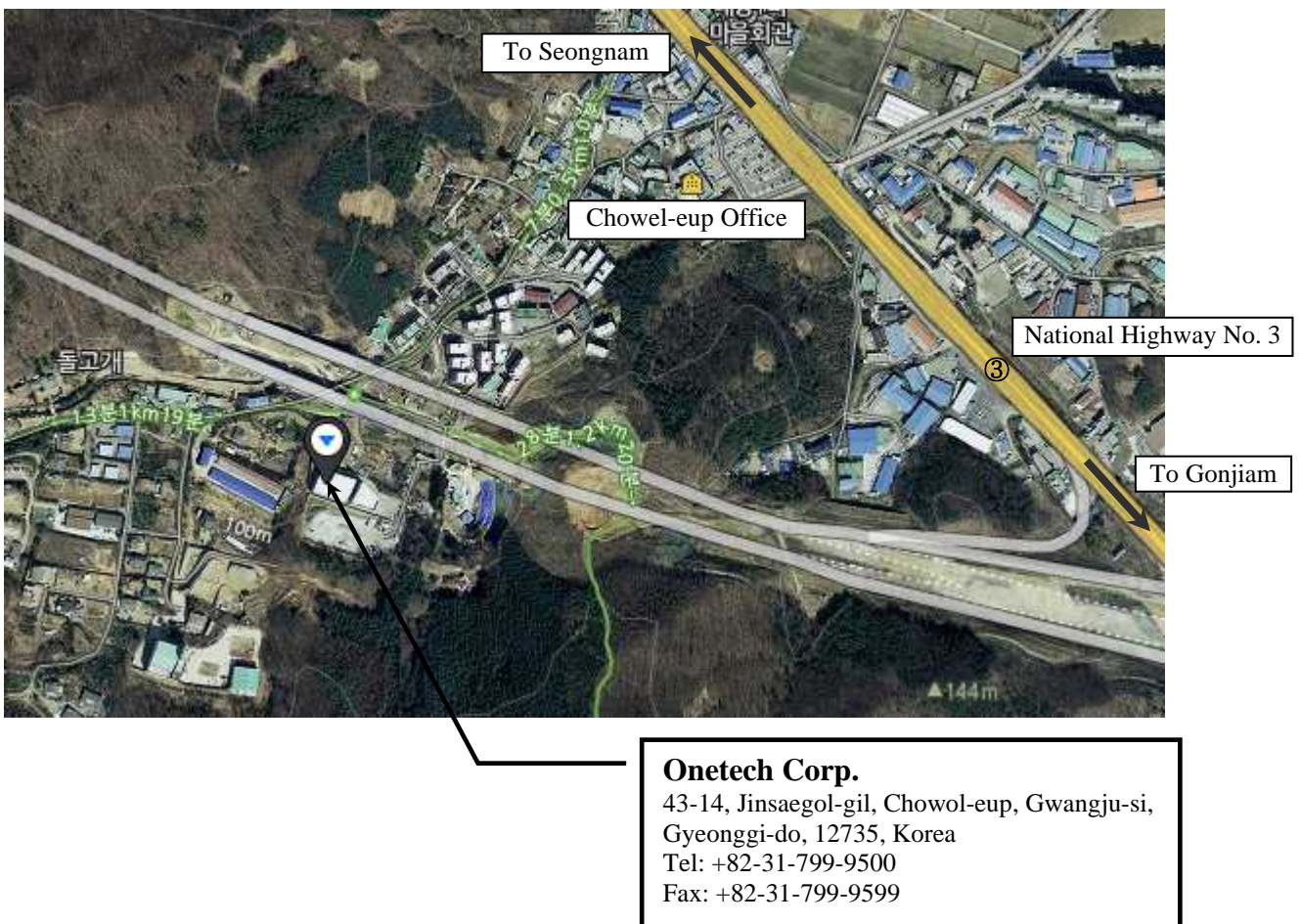
## 2. TEST FACILITY

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.



### 3. PRODUCT INFORMATION

#### 3.1 Description of EUT

The LG Electronics USA, Inc., Model LSIL6336FE (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, 11.9k W Or 120/208 V, 10.2 kW/ 60 Hz
EXTERNAL CONNECTOR	AC IN

#### 3.2 Model Differences

LSIL6336FE, LSIL6336*E		
Variable	Range of variable	Content
1st '*'	A to Z	Cosmetic features.

### 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)	LSIL6336FE	LG Electronics USA, Inc.	-

### 3.4 System Configuration

DEVICE TYPE	MODEL/PART NUMBER	MANUFACTURER
HOUSEHOLD ELECTRIC RANGE	LSIL6336FE	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
<input type="checkbox"/>	Conducted Emission #1	Noise Terminal Voltage Measurement	2.00.0180
<input type="checkbox"/>	Conducted Emission #2	EMC32	10.60.10
<input checked="" type="checkbox"/>	Conducted Emission #3	Noise Terminal Voltage Measurement	2.00.0178
<input type="checkbox"/>	Radiated Emission 10 m SAC 1	Radiated Emission Measurement	2.00.0201
<input checked="" type="checkbox"/>	Radiated Emission 10 m SAC 2	Radiated Emission Measurement	2.00.0202
<input type="checkbox"/>	Radiated Emission 3 m SAC	Radiated Emission Measurement	2.00.0202



## 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  $50 \Omega / 50 \mu H + 5 \Omega$  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.

## 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 : 25.9 °C  
 Relative humidity : 50.5 % 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

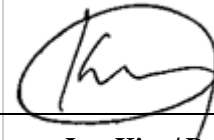
Model Number	Manufacturer	Description	Serial Number	Last Cal. (Interval)
■ - ESCI	Rohde & Schwarz	Test Receiver	101420	Mar. 06, 2023 (1Y)
■ - LT32C	Afj Instruments	LISN	32032039322	Mar 07, 2023 (1Y)
□ 3825/2	EMCO	AMN	9109-1867	Mar. 07, 2023 (1Y)
■ - 11947A	Hewlett Packard	Transient Limiter	3107A02762	Mar. 07, 2023 (1Y)

All test equipment used is calibrated on a regular basis.

**5.1.6 Test Data**

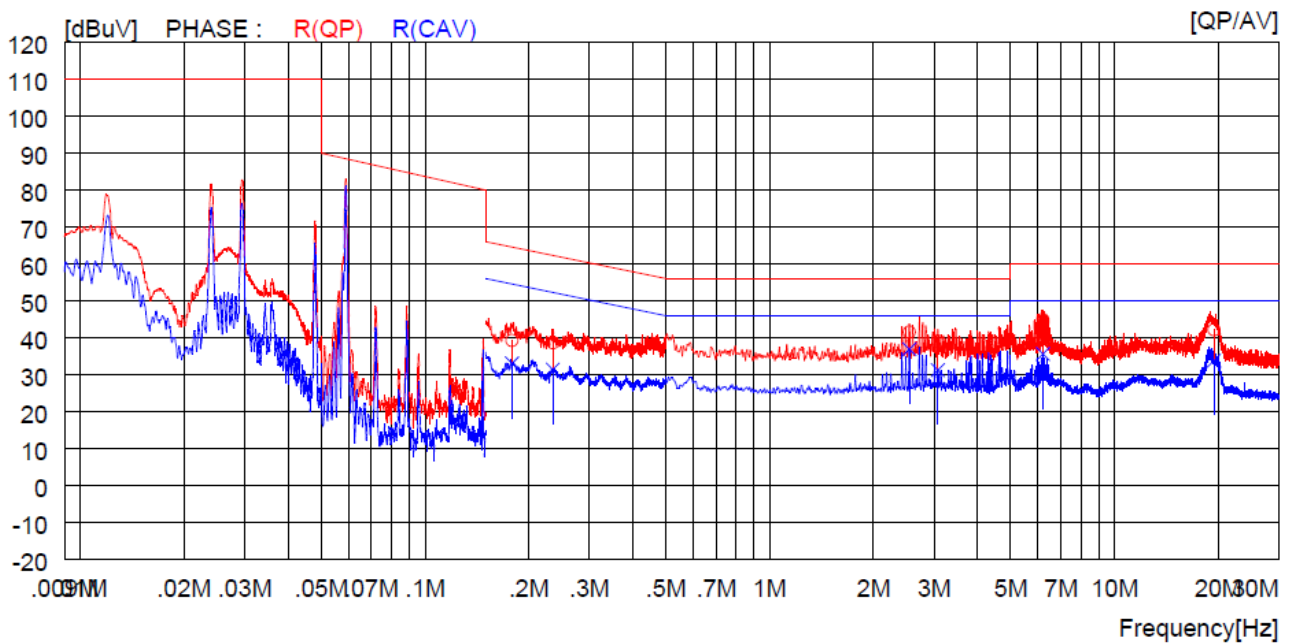
**5.1.6.1 Operating Condition: AC 208 / 60 Hz**

-. Test Result : Pass



**Tested by: Young-Jae, Kim / Project Engineer**

Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R

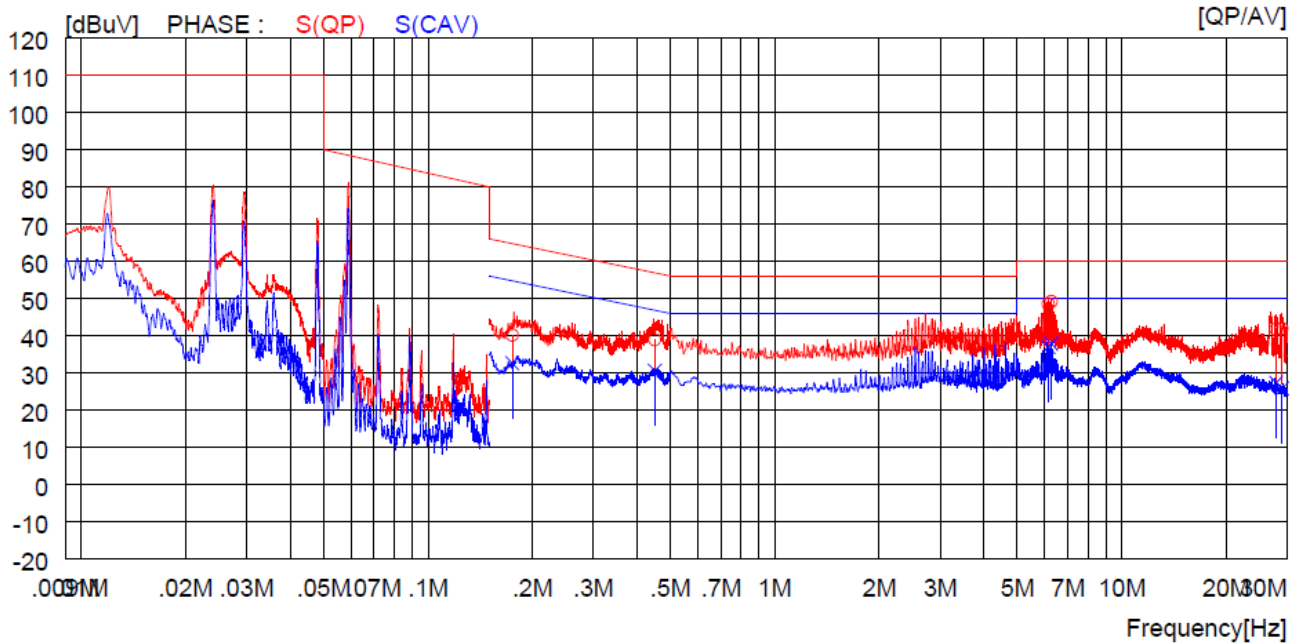


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.17900	17.5	----	21.7	39.2	----	64.5	----	25.3	----	R (QP)
2	0.23500	16.9	----	21.7	38.6	----	62.3	----	23.7	----	R (QP)
3	2.54300	20.0	----	21.5	41.5	----	56.0	----	14.5	----	R (QP)
4	3.07400	17.6	----	21.5	39.1	----	56.0	----	16.9	----	R (QP)
5	6.20500	23.4	----	21.5	44.9	----	60.0	----	15.1	----	R (QP)
6	19.45000	20.7	----	21.4	42.1	----	60.0	----	17.9	----	R (QP)
7	0.17900	----	11.3	21.7	----	33.0	----	54.5	----	21.5	R (CAV)
8	0.23500	----	9.7	21.7	----	31.4	----	52.3	----	20.9	R (CAV)
9	2.54300	----	15.4	21.5	----	36.9	----	46.0	----	9.1	R (CAV)
10	3.07400	----	9.7	21.5	----	31.2	----	46.0	----	14.8	R (CAV)
11	6.20500	----	14.1	21.5	----	35.6	----	50.0	----	14.4	R (CAV)
12	19.45000	----	12.4	21.4	----	33.8	----	50.0	----	16.2	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.

Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S

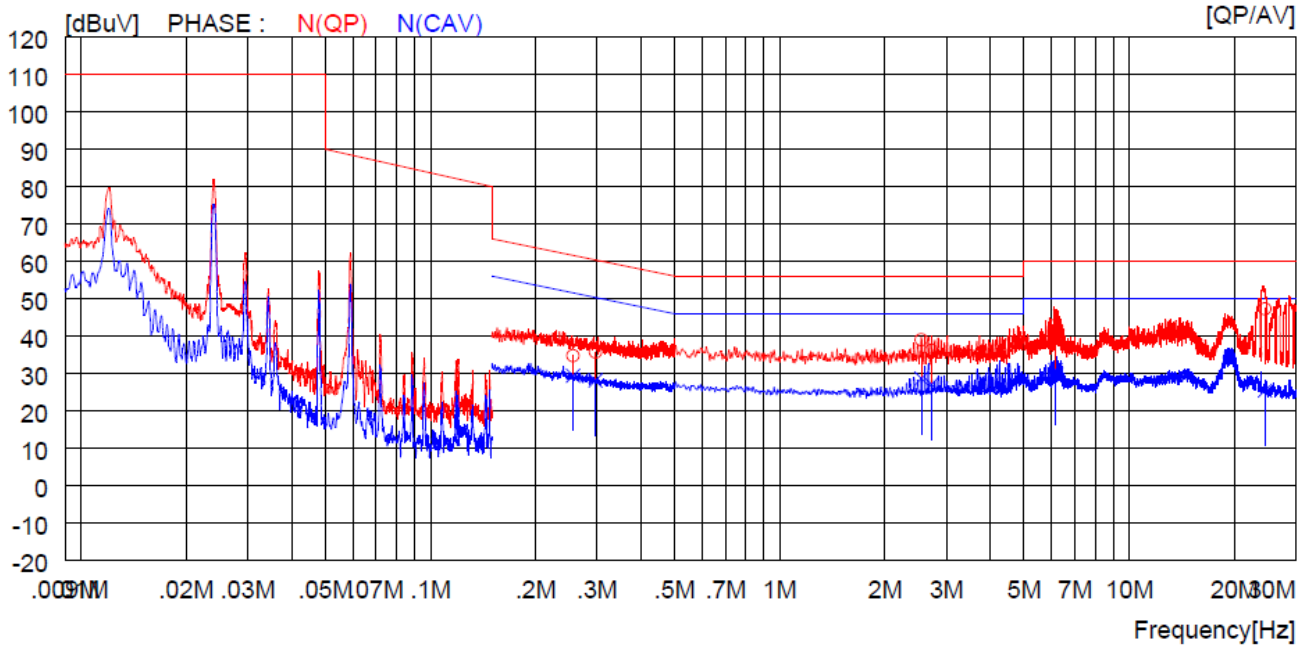


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.17500	18.5	----	21.6	40.1	----	64.7	----	24.6	----	S (QP)
2	0.45100	17.3	----	21.6	38.9	----	56.9	----	18.0	----	S (QP)
3	6.14500	27.0	----	21.5	48.5	----	60.0	----	11.5	----	S (QP)
4	6.26500	27.6	----	21.5	49.1	----	60.0	----	10.9	----	S (QP)
5	27.88000	20.4	----	21.3	41.7	----	60.0	----	18.3	----	S (QP)
6	29.00000	20.6	----	21.3	41.9	----	60.0	----	18.1	----	S (QP)
7	0.17500	----	11.0	21.6	----	32.6	----	54.7	----	22.1	S (CAV)
8	0.45100	----	9.0	21.6	----	30.6	----	46.9	----	16.3	S (CAV)
9	6.14500	----	15.4	21.5	----	36.9	----	50.0	----	13.1	S (CAV)
10	6.26500	----	16.3	21.5	----	37.8	----	50.0	----	12.2	S (CAV)
11	27.88000	----	6.0	21.3	----	27.3	----	50.0	----	22.7	S (CAV)
12	29.00000	----	4.5	21.3	----	25.8	----	50.0	----	24.2	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.

Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N

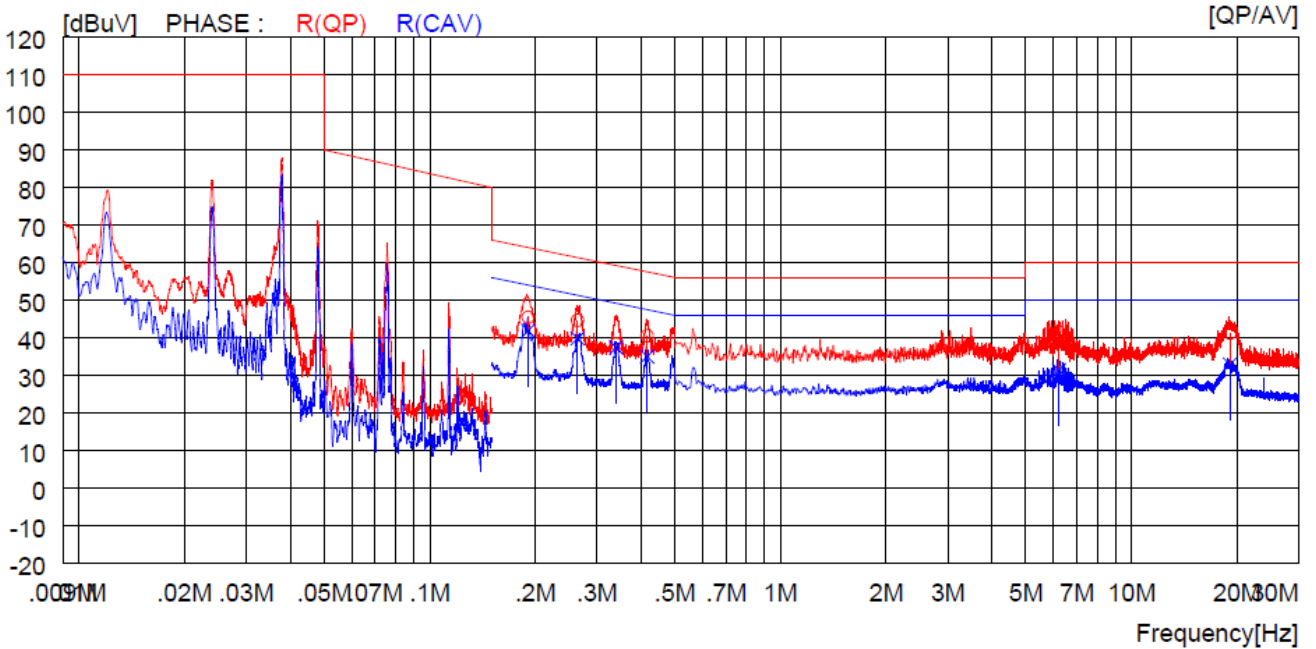


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.25600	13.0	----	21.7	34.7	----	61.6	----	26.9	----	N (QP)
2	0.29700	14.1	----	21.6	35.7	----	60.3	----	24.6	----	N (QP)
3	2.54300	17.5	----	21.5	39.0	----	56.0	----	17.0	----	N (QP)
4	2.71400	14.6	----	21.5	36.1	----	56.0	----	19.9	----	N (QP)
5	6.15500	21.4	----	21.5	42.9	----	60.0	----	17.1	----	N (QP)
6	24.47000	25.9	----	21.4	47.3	----	60.0	----	12.7	----	N (QP)
7	0.25600	----	7.7	21.7	----	29.4	----	51.6	----	22.2	N (CAV)
8	0.29700	----	6.5	21.6	----	28.1	----	50.3	----	22.2	N (CAV)
9	2.54300	----	7.1	21.5	----	28.6	----	46.0	----	17.4	N (CAV)
10	2.71400	----	5.5	21.5	----	27.0	----	46.0	----	19.0	N (CAV)
11	6.15500	----	9.4	21.5	----	30.9	----	50.0	----	19.1	N (CAV)
12	24.47000	----	4.0	21.4	----	25.4	----	50.0	----	24.6	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.

Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R

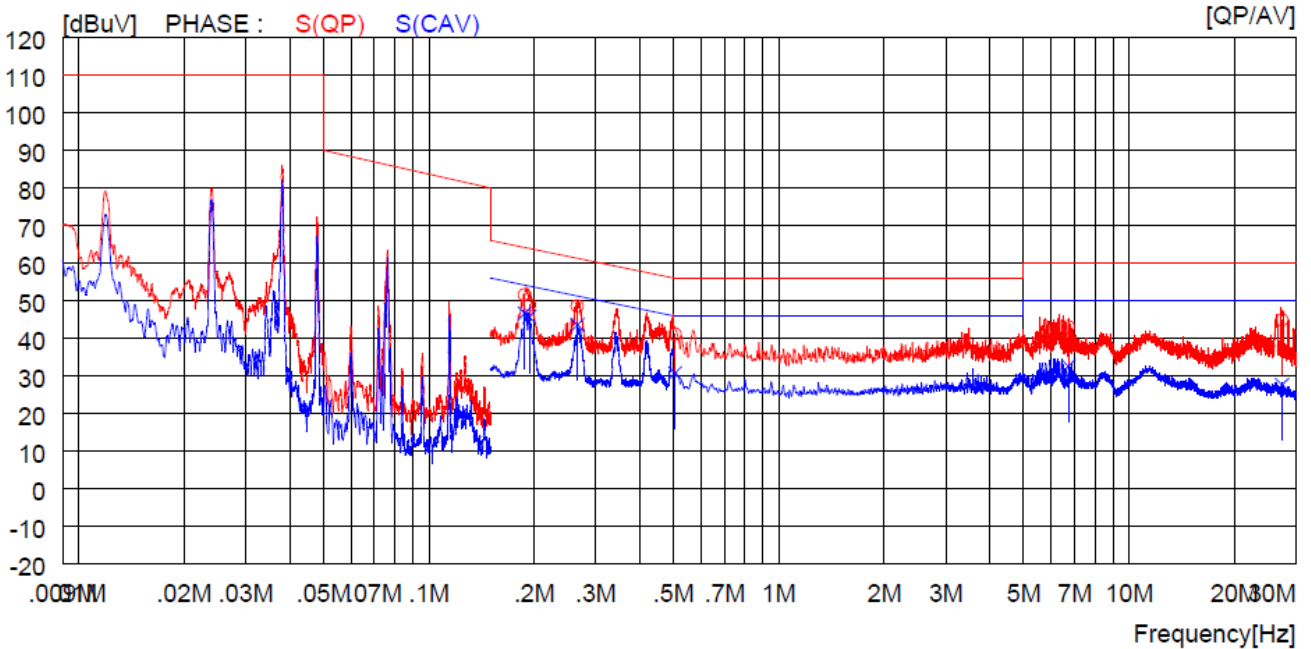


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.19100	23.7	----	21.7	45.4	----	64.0	----	18.6	----	R (QP)
2	0.26400	23.0	----	21.6	44.6	----	61.3	----	16.7	----	R (QP)
3	0.34000	16.7	----	21.6	38.3	----	59.2	----	20.9	----	R (QP)
4	0.41700	18.9	----	21.6	40.5	----	57.5	----	17.0	----	R (QP)
5	6.21500	20.0	----	21.5	41.5	----	60.0	----	18.5	----	R (QP)
6	19.10000	19.8	----	21.4	41.2	----	60.0	----	18.8	----	R (QP)
7	0.19100	----	20.2	21.7	----	41.9	----	54.0	----	12.1	R (CAV)
8	0.26400	----	18.2	21.6	----	39.8	----	51.3	----	11.5	R (CAV)
9	0.34000	----	15.8	21.6	----	37.4	----	49.2	----	11.8	R (CAV)
10	0.41700	----	13.4	21.6	----	35.0	----	47.5	----	12.5	R (CAV)
11	6.21500	----	9.9	21.5	----	31.4	----	50.0	----	18.6	R (CAV)
12	19.10000	----	11.5	21.4	----	32.9	----	50.0	----	17.1	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.

Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S



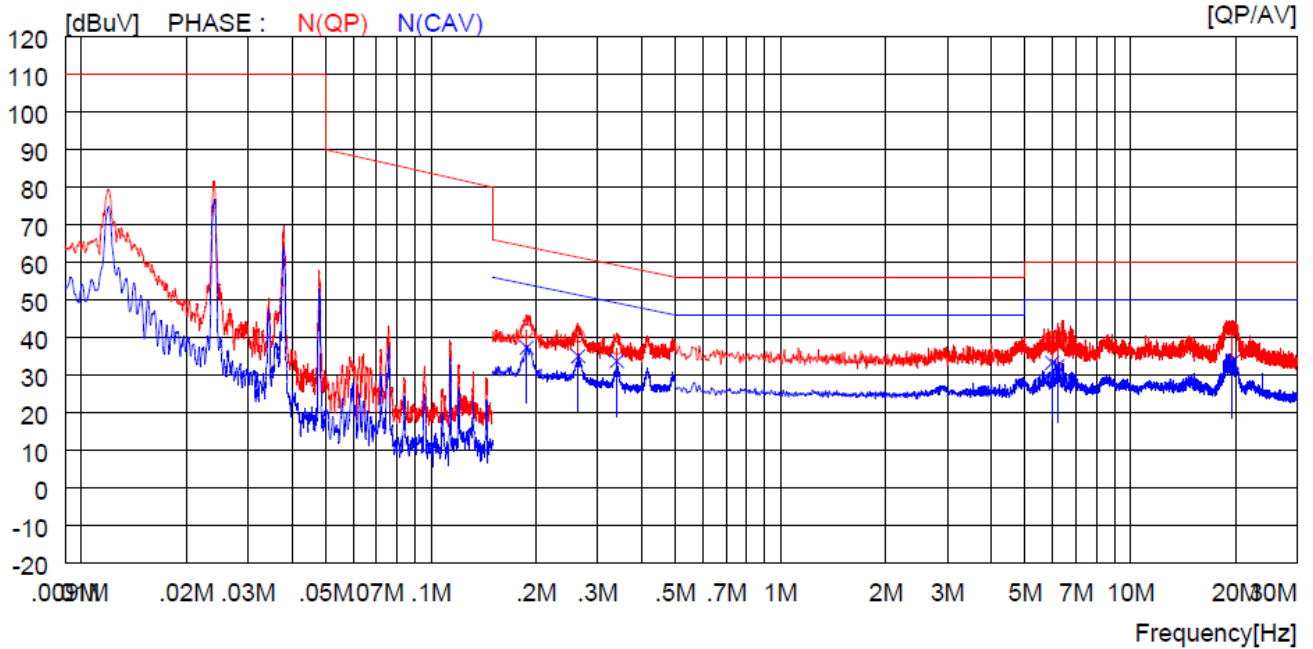
NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.18800	29.9	----	21.6	51.5	----	64.1	----	12.6	----	S (QP)
2	0.19400	27.3	----	21.6	48.9	----	63.9	----	15.0	----	S (QP)
3	0.26600	27.0	----	21.5	48.5	----	61.2	----	12.7	----	S (QP)
4	0.50500	19.5	----	21.6	41.1	----	56.0	----	14.9	----	S (QP)
5	6.71500	21.5	----	21.5	43.0	----	60.0	----	17.0	----	S (QP)
6	27.39000	23.6	----	21.3	44.9	----	60.0	----	15.1	----	S (QP)
7	0.18800	----	25.0	21.6	----	46.6	----	54.1	----	7.5	S (CAV)
8	0.19400	----	24.1	21.6	----	45.7	----	53.9	----	8.2	S (CAV)
9	0.26600	----	22.1	21.5	----	43.6	----	51.2	----	7.6	S (CAV)
10	0.50500	----	9.1	21.6	----	30.7	----	46.0	----	15.3	S (CAV)
11	6.71500	----	11.0	21.5	----	32.5	----	50.0	----	17.5	S (CAV)
12	27.39000	----	6.3	21.3	----	27.6	----	50.0	----	22.4	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.



Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N



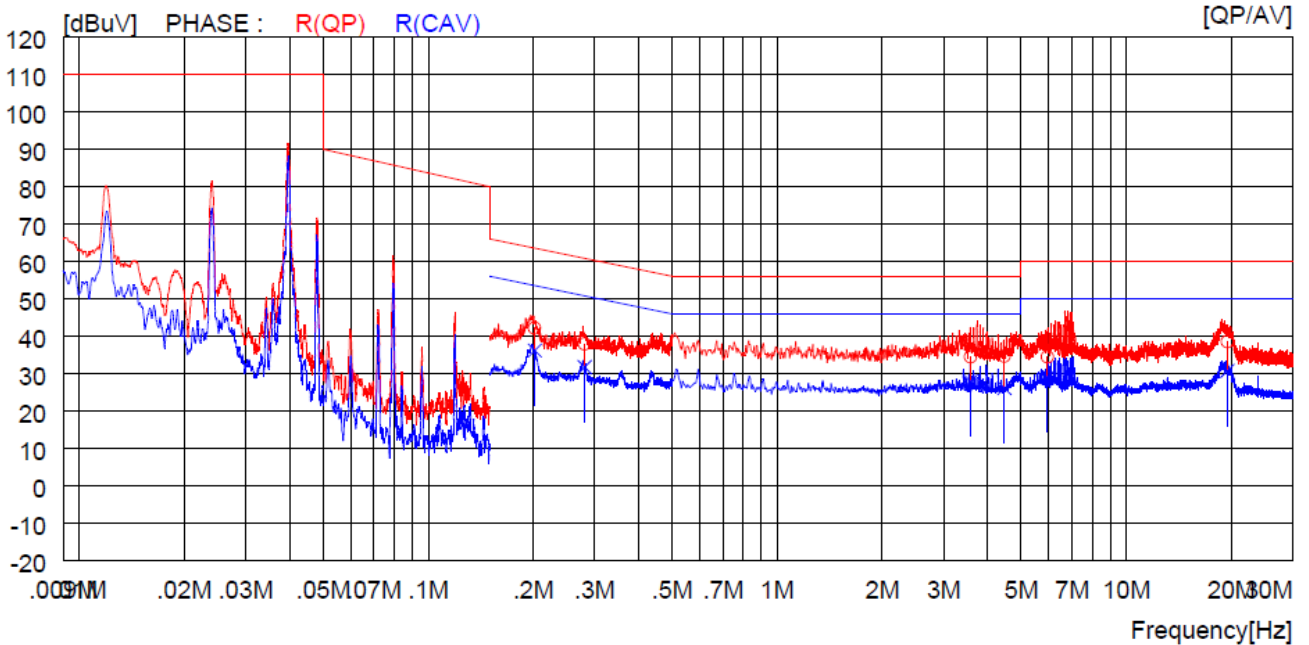
NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.18800	20.0	----	21.7	41.7	----	64.1	----	22.4	----	N (QP)
2	0.26400	18.9	----	21.6	40.5	----	61.3	----	20.8	----	N (QP)
3	0.34000	15.6	----	21.6	37.2	----	59.2	----	22.0	----	N (QP)
4	5.97500	18.4	----	21.5	39.9	----	60.0	----	20.1	----	N (QP)
5	6.19500	18.6	----	21.5	40.1	----	60.0	----	19.9	----	N (QP)
6	19.56000	20.7	----	21.4	42.1	----	60.0	----	17.9	----	N (QP)
7	0.18800	----	15.6	21.7	----	37.3	----	54.1	----	16.8	N (CAV)
8	0.26400	----	13.4	21.6	----	35.0	----	51.3	----	16.3	N (CAV)
9	0.34000	----	12.1	21.6	----	33.7	----	49.2	----	15.5	N (CAV)
10	5.97500	----	11.7	21.5	----	33.2	----	50.0	----	16.8	N (CAV)
11	6.19500	----	10.8	21.5	----	32.3	----	50.0	----	17.7	N (CAV)
12	19.56000	----	12.0	21.4	----	33.4	----	50.0	----	16.6	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.



Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R

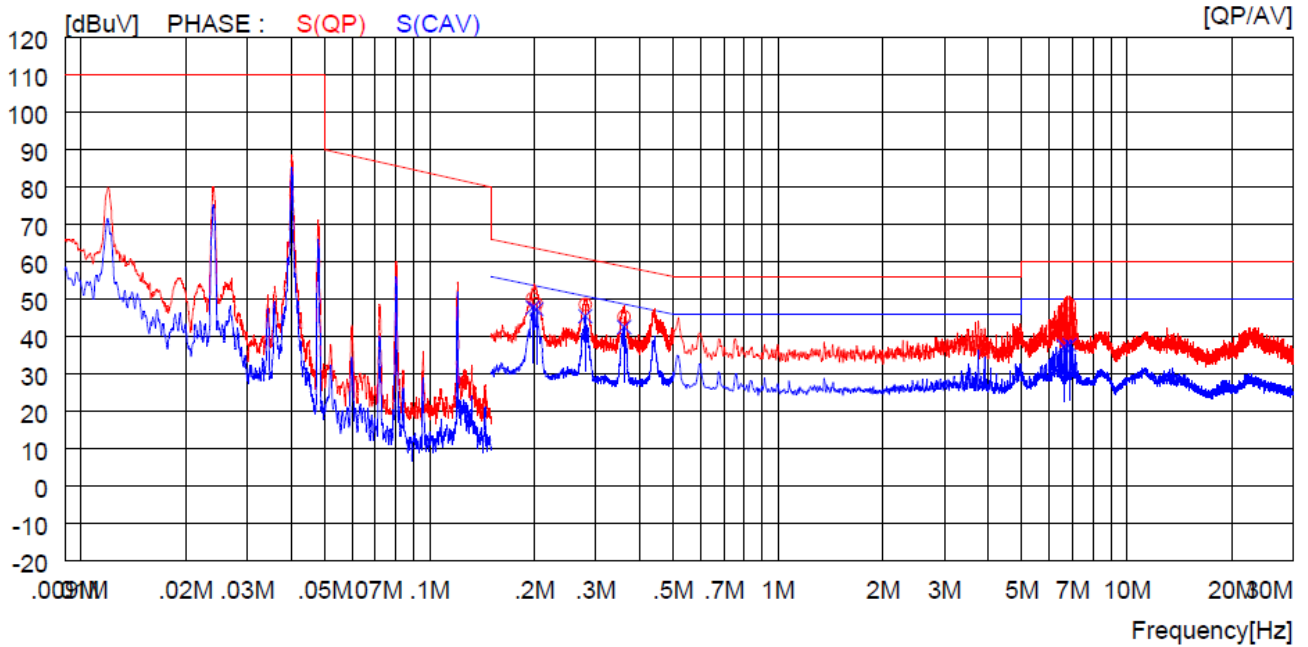


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.20200	20.5	----	21.7	42.2	----	63.5	----	21.3	----	R(QP)
2	0.28100	16.3	----	21.6	37.9	----	60.8	----	22.9	----	R(QP)
3	3.58700	13.0	----	21.5	34.5	----	56.0	----	21.5	----	R(QP)
4	4.47800	13.1	----	21.5	34.6	----	56.0	----	21.4	----	R(QP)
5	5.95000	13.0	----	21.5	34.5	----	60.0	----	25.5	----	R(QP)
6	19.49000	17.1	----	21.4	38.5	----	60.0	----	21.5	----	R(QP)
7	0.20200	----	14.5	21.7	----	36.2	----	53.5	----	17.3	R(CAV)
8	0.28100	----	10.1	21.6	----	31.7	----	50.8	----	19.1	R(CAV)
9	3.58700	----	6.4	21.5	----	27.9	----	46.0	----	18.1	R(CAV)
10	4.47800	----	4.6	21.5	----	26.1	----	46.0	----	19.9	R(CAV)
11	5.95000	----	7.5	21.5	----	29.0	----	50.0	----	21.0	R(CAV)
12	19.49000	----	9.3	21.4	----	30.7	----	50.0	----	19.3	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.

Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S

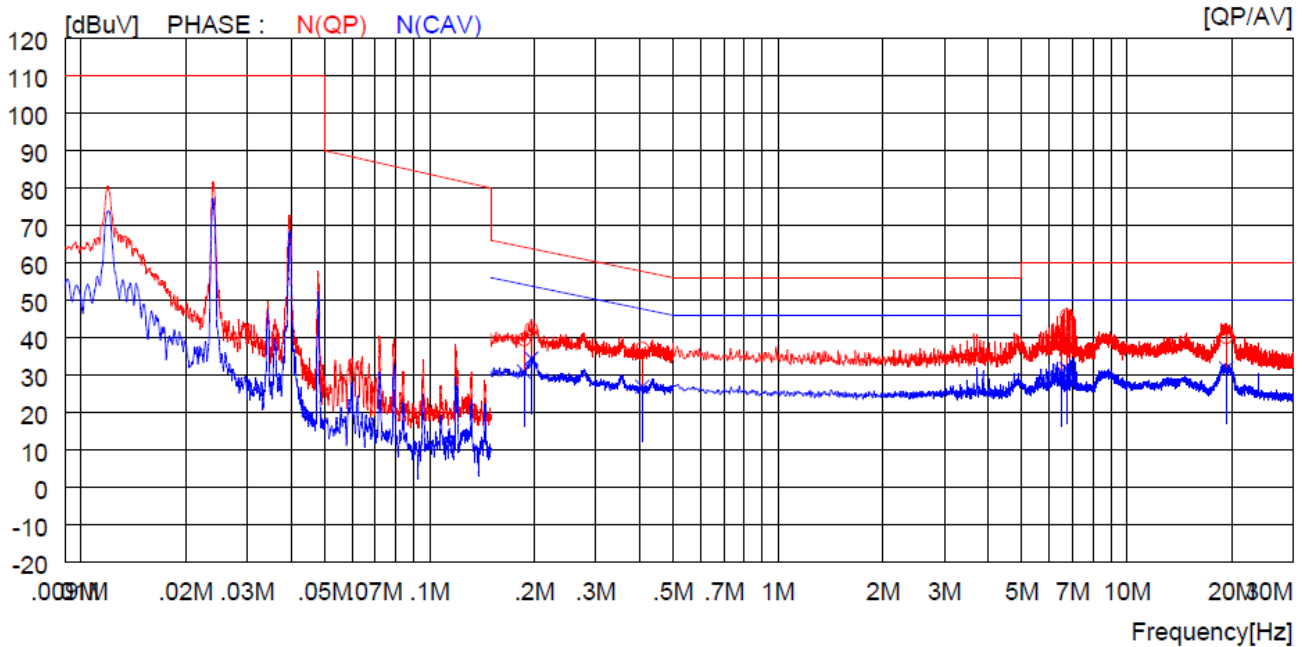


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.19800	28.5	----	21.6	50.1	----	63.7	----	13.6	----	S (QP)
2	0.20300	27.1	----	21.6	48.7	----	63.5	----	14.8	----	S (QP)
3	0.28000	27.0	----	21.5	48.5	----	60.8	----	12.3	----	S (QP)
4	0.36200	23.8	----	21.5	45.3	----	58.7	----	13.4	----	S (QP)
5	6.61000	25.0	----	21.5	46.5	----	60.0	----	13.5	----	S (QP)
6	6.85000	27.0	----	21.5	48.5	----	60.0	----	11.5	----	S (QP)
7	0.19800	----	26.1	21.6	----	47.7	----	53.7	----	6.0	S (CAV)
8	0.20300	----	25.7	21.6	----	47.3	----	53.5	----	6.2	S (CAV)
9	0.28000	----	23.9	21.5	----	45.4	----	50.8	----	5.4	S (CAV)
10	0.36200	----	21.0	21.5	----	42.5	----	48.7	----	6.2	S (CAV)
11	6.61000	----	15.8	21.5	----	37.3	----	50.0	----	12.7	S (CAV)
12	6.85000	----	16.2	21.5	----	37.7	----	50.0	----	12.3	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.

Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N

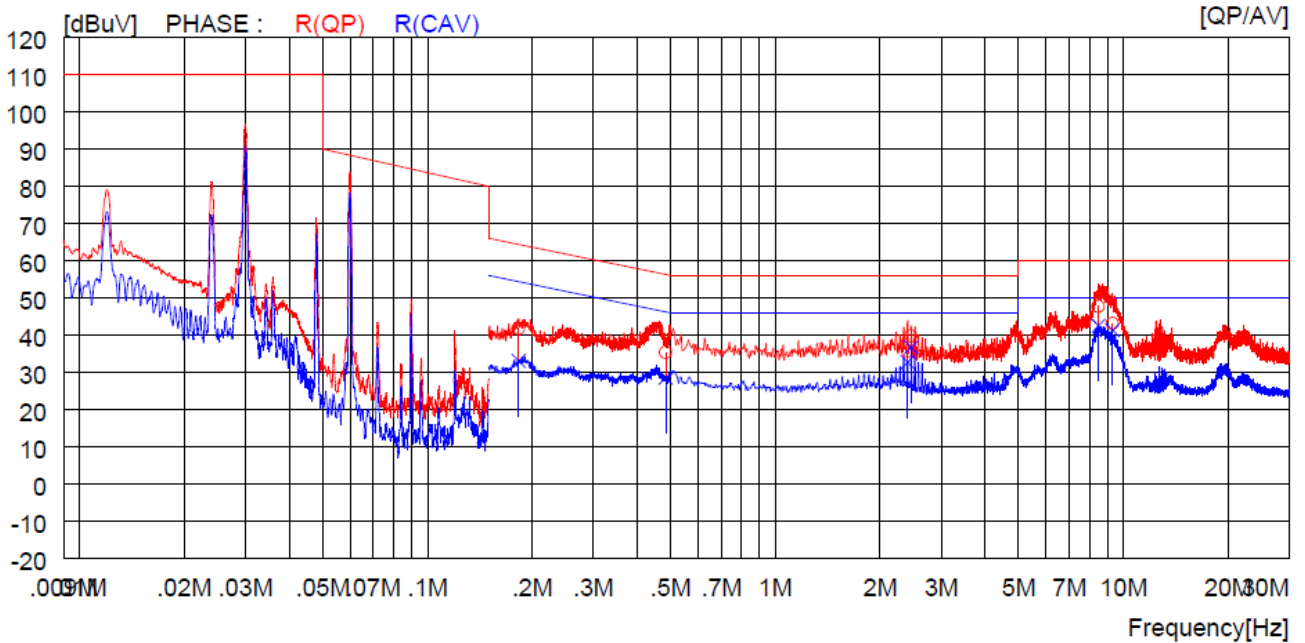


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.18700	17.8	----	21.7	39.5	----	64.2	----	24.7	----	N (QP)
2	0.19600	20.6	----	21.7	42.3	----	63.8	----	21.5	----	N (QP)
3	0.40800	15.5	----	21.6	37.1	----	57.7	----	20.6	----	N (QP)
4	6.48500	20.1	----	21.5	41.6	----	60.0	----	18.4	----	N (QP)
5	6.72000	24.5	----	21.5	46.0	----	60.0	----	14.0	----	N (QP)
6	19.29000	18.6	----	21.4	40.0	----	60.0	----	20.0	----	N (QP)
7	0.18700	----	9.2	21.7	----	30.9	----	54.2	----	23.3	N (CAV)
8	0.19600	----	12.7	21.7	----	34.4	----	53.8	----	19.4	N (CAV)
9	0.40800	----	5.3	21.6	----	26.9	----	47.7	----	20.8	N (CAV)
10	6.48500	----	9.4	21.5	----	30.9	----	50.0	----	19.1	N (CAV)
11	6.72000	----	10.1	21.5	----	31.6	----	50.0	----	18.4	N (CAV)
12	19.29000	----	10.3	21.4	----	31.7	----	50.0	----	18.3	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.

Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R

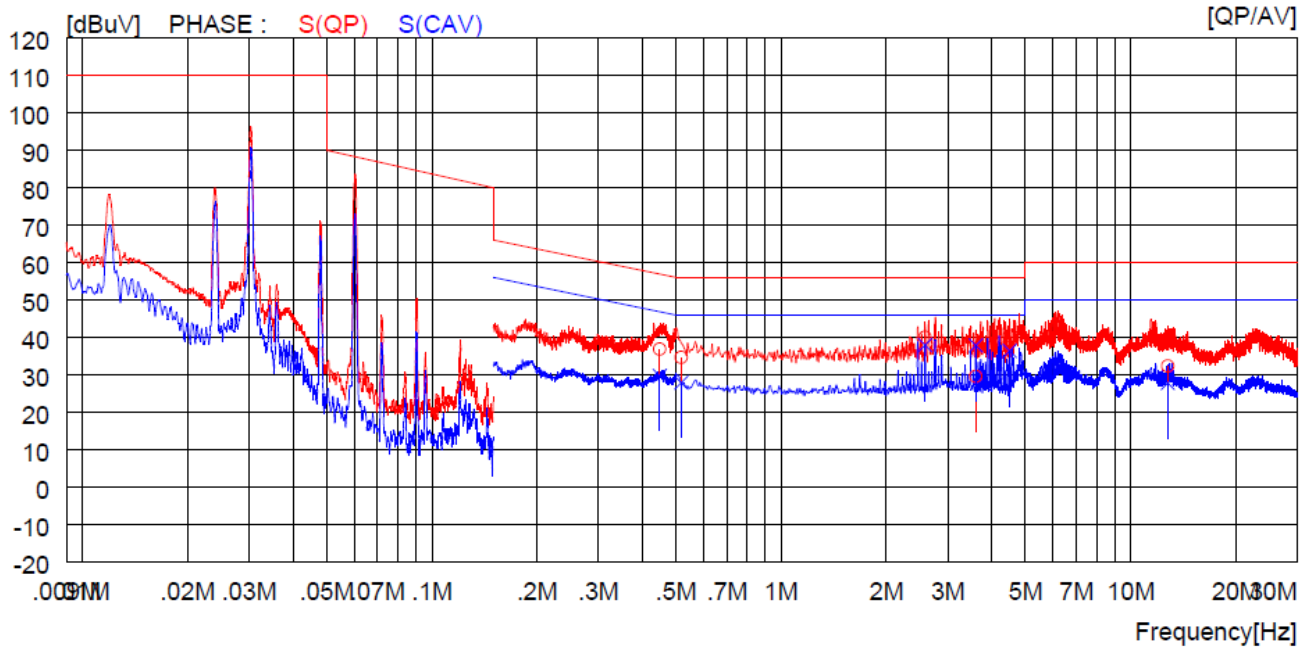


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.18300	20.1	----	21.7	41.8	----	64.3	----	22.5	----	R(QP)
2	0.48400	13.7	----	21.6	35.3	----	56.3	----	21.0	----	R(QP)
3	2.40400	14.2	----	21.5	35.7	----	56.0	----	20.3	----	R(QP)
4	2.45800	18.3	----	21.5	39.8	----	56.0	----	16.2	----	R(QP)
5	8.49000	26.2	----	21.5	47.7	----	60.0	----	12.3	----	R(QP)
6	9.31500	21.6	----	21.5	43.1	----	60.0	----	16.9	----	R(QP)
7	0.18300	----	11.3	21.7	----	33.0	----	54.3	----	21.3	R(CAV)
8	0.48400	----	6.9	21.6	----	28.5	----	46.3	----	17.8	R(CAV)
9	2.40400	----	11.2	21.5	----	32.7	----	46.0	----	13.3	R(CAV)
10	2.45800	----	15.2	21.5	----	36.7	----	46.0	----	9.3	R(CAV)
11	8.49000	----	21.0	21.5	----	42.5	----	50.0	----	7.5	R(CAV)
12	9.31500	----	19.8	21.5	----	41.3	----	50.0	----	8.7	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.

Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S

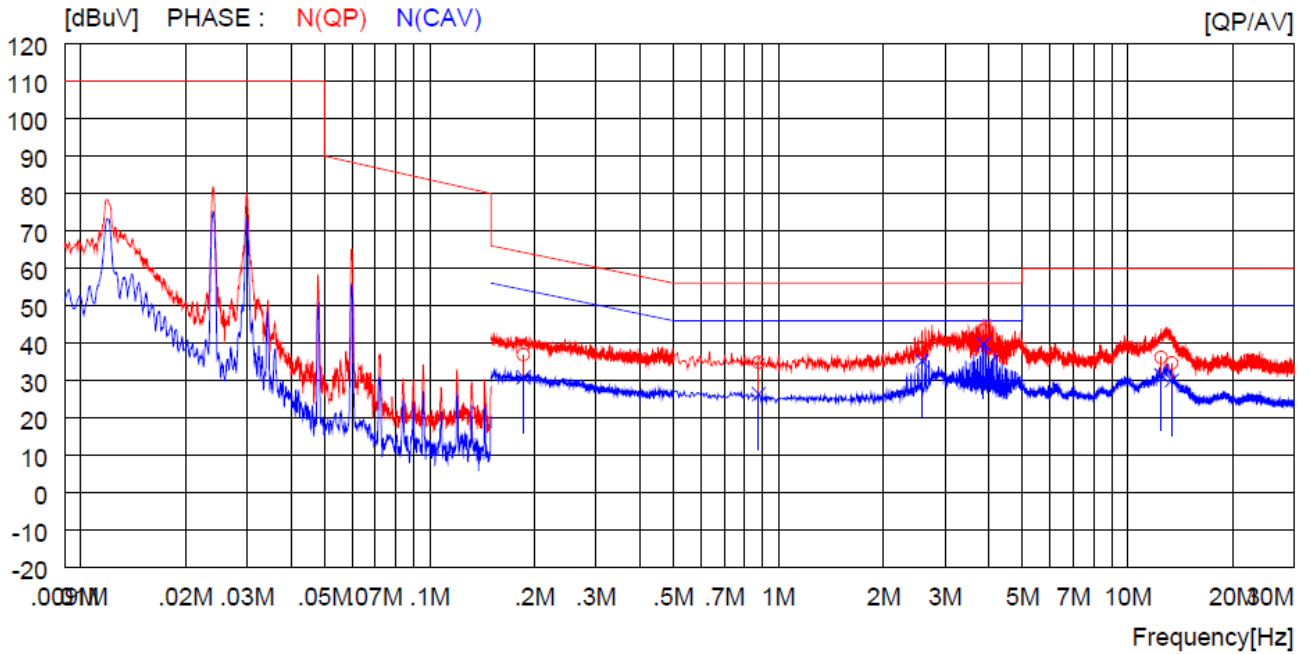


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.44900	15.3	----	21.5	36.8	----	56.9	----	20.1	----	S (QP)
2	0.51800	13.0	----	21.6	34.6	----	56.0	----	21.4	----	S (QP)
3	2.58400	18.5	----	21.5	40.0	----	56.0	----	16.0	----	S (QP)
4	3.60500	8.1	----	21.5	29.6	----	56.0	----	26.4	----	S (QP)
5	4.51000	18.9	----	21.5	40.4	----	56.0	----	15.6	----	S (QP)
6	12.79000	10.9	----	21.4	32.3	----	60.0	----	27.7	----	S (QP)
7	0.44900	----	8.2	21.5	----	29.7	----	46.9	----	17.2	S (CAV)
8	0.51800	----	6.3	21.6	----	27.9	----	46.0	----	18.1	S (CAV)
9	2.58400	----	16.4	21.5	----	37.9	----	46.0	----	8.1	S (CAV)
10	3.60500	----	16.3	21.5	----	37.8	----	46.0	----	8.2	S (CAV)
11	4.51000	----	14.9	21.5	----	36.4	----	46.0	----	9.6	S (CAV)
12	12.79000	----	6.4	21.4	----	27.8	----	50.0	----	22.2	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.

Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N



NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.18600	15.0	----	21.8	36.8	----	64.2	----	27.4	----	N (QP)
2	0.87800	13.1	----	21.7	34.8	----	56.0	----	21.2	----	N (QP)
3	2.57900	17.0	----	21.7	38.7	----	56.0	----	17.3	----	N (QP)
4	3.86600	21.7	----	21.7	43.4	----	56.0	----	12.6	----	N (QP)
5	12.48000	14.6	----	21.5	36.1	----	60.0	----	23.9	----	N (QP)
6	13.39000	13.1	----	21.5	34.6	----	60.0	----	25.4	----	N (QP)
7	0.18600	----	9.0	21.8	----	30.8	----	54.2	----	23.4	N (CAV)
8	0.87800	----	4.6	21.7	----	26.3	----	46.0	----	19.7	N (CAV)
9	2.57900	----	13.5	21.7	----	35.2	----	46.0	----	10.8	N (CAV)
10	3.86600	----	18.1	21.7	----	39.8	----	46.0	----	6.2	N (CAV)
11	12.48000	----	9.9	21.5	----	31.4	----	50.0	----	18.6	N (CAV)
12	13.39000	----	8.5	21.5	----	30.0	----	50.0	----	20.0	N (CAV)

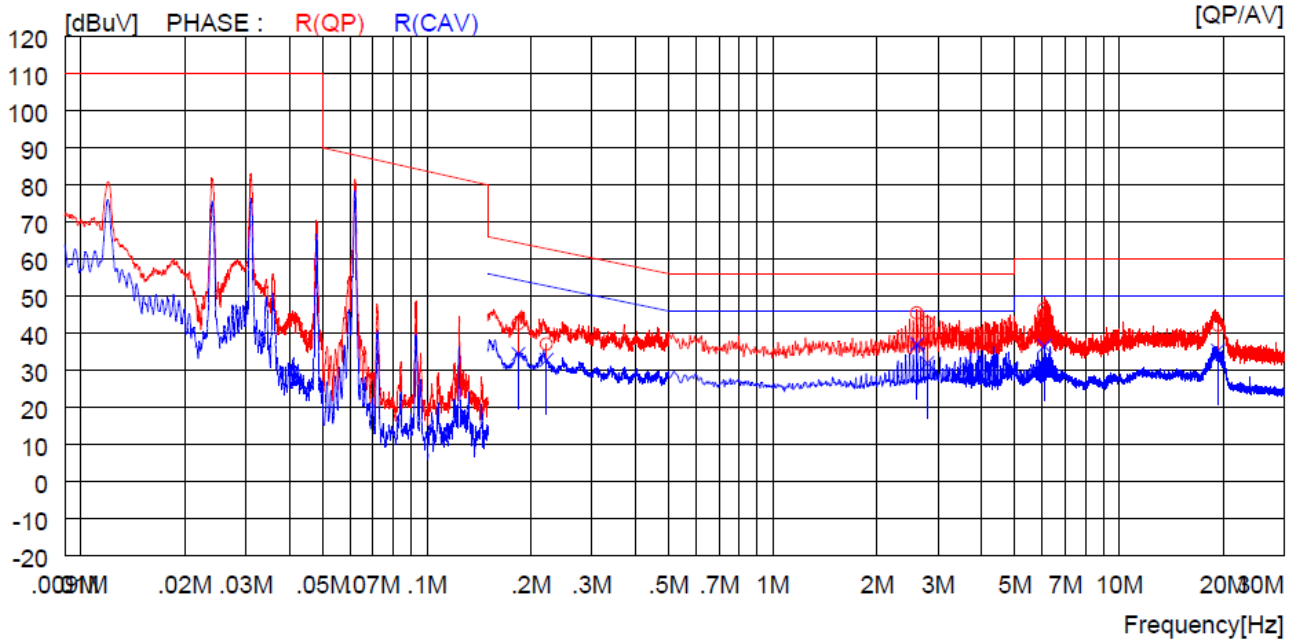
Remark: Margin (dB) = Limit – Level (Result)

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

**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	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R



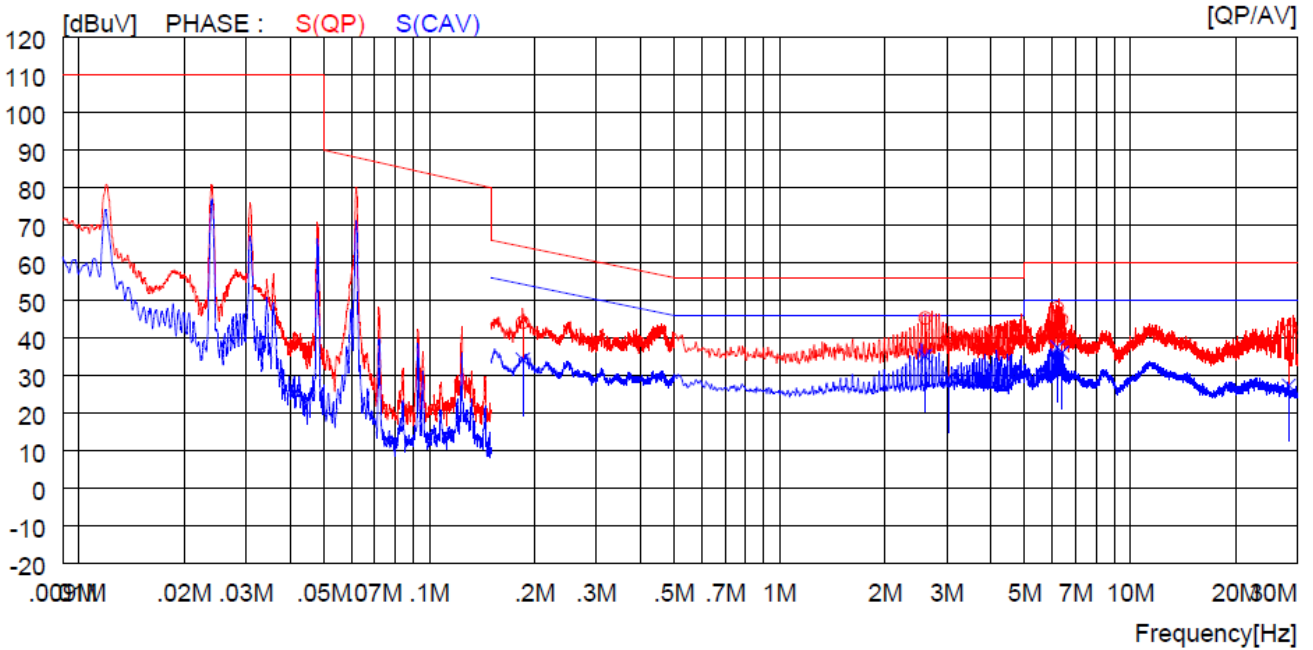
NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.18400	20.8	----	21.7	42.5	----	64.3	----	21.8	----	R (QP)
2	0.22200	15.3	----	21.7	37.0	----	62.7	----	25.7	----	R (QP)
3	2.60600	23.9	----	21.5	45.4	----	56.0	----	10.6	----	R (QP)
4	2.79100	21.4	----	21.5	42.9	----	56.0	----	13.1	----	R (QP)
5	6.08000	25.0	----	21.5	46.5	----	60.0	----	13.5	----	R (QP)
6	19.31000	20.7	----	21.4	42.1	----	60.0	----	17.9	----	R (QP)
7	0.18400	----	12.7	21.7	----	34.4	----	54.3	----	19.9	R (CAV)
8	0.22200	----	11.1	21.7	----	32.8	----	52.7	----	19.9	R (CAV)
9	2.60600	----	15.5	21.5	----	37.0	----	46.0	----	9.0	R (CAV)
10	2.79100	----	10.4	21.5	----	31.9	----	46.0	----	14.1	R (CAV)
11	6.08000	----	15.0	21.5	----	36.5	----	50.0	----	13.5	R (CAV)
12	19.31000	----	13.9	21.4	----	35.3	----	50.0	----	14.7	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.



Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S



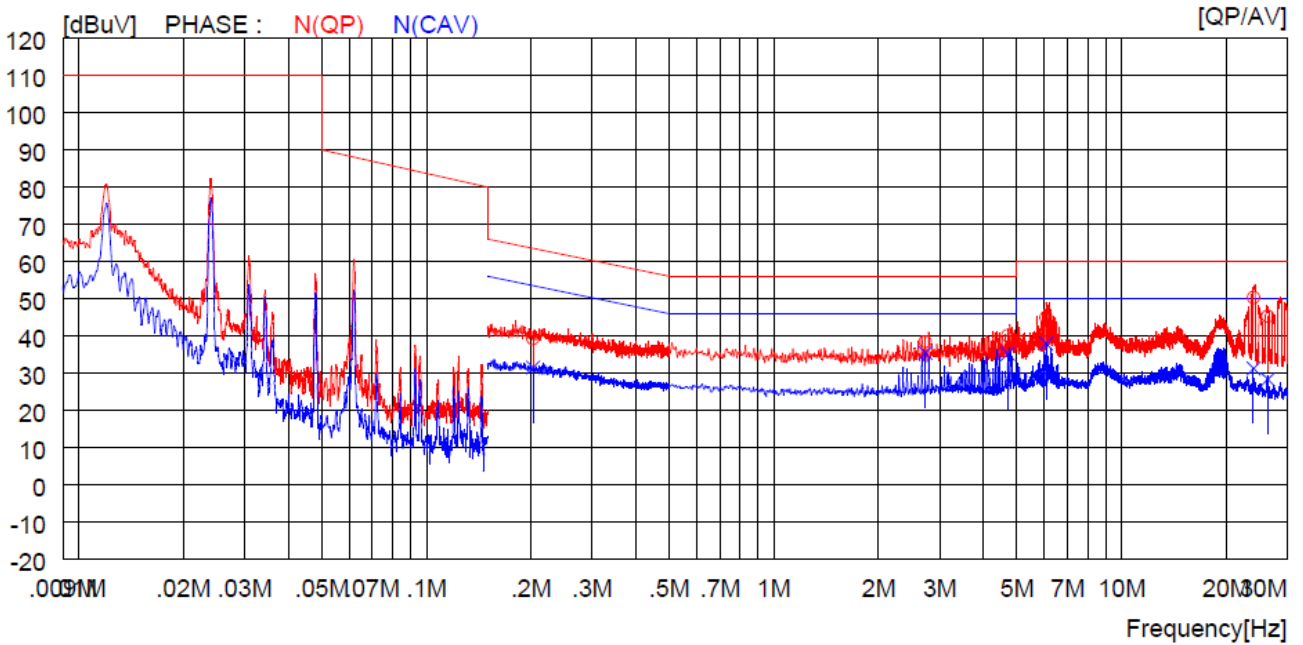
NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.18500	22.5	----	21.6	44.1	----	64.3	----	20.2	----	S (QP)
2	2.60200	23.7	----	21.5	45.2	----	56.0	----	10.8	----	S (QP)
3	3.04700	17.8	----	21.5	39.3	----	56.0	----	16.7	----	S (QP)
4	6.20000	26.5	----	21.5	48.0	----	60.0	----	12.0	----	S (QP)
5	6.38500	23.4	----	21.5	44.9	----	60.0	----	15.1	----	S (QP)
6	28.37000	20.5	----	21.3	41.8	----	60.0	----	18.2	----	S (QP)
7	0.18500	----	12.6	21.6	----	34.2	----	54.3	----	20.1	S (CAV)
8	2.60200	----	13.7	21.5	----	35.2	----	46.0	----	10.8	S (CAV)
9	3.04700	----	7.9	21.5	----	29.4	----	46.0	----	16.6	S (CAV)
10	6.20000	----	16.0	21.5	----	37.5	----	50.0	----	12.5	S (CAV)
11	6.38500	----	14.5	21.5	----	36.0	----	50.0	----	14.0	S (CAV)
12	28.37000	----	6.0	21.3	----	27.3	----	50.0	----	22.7	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.



Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N

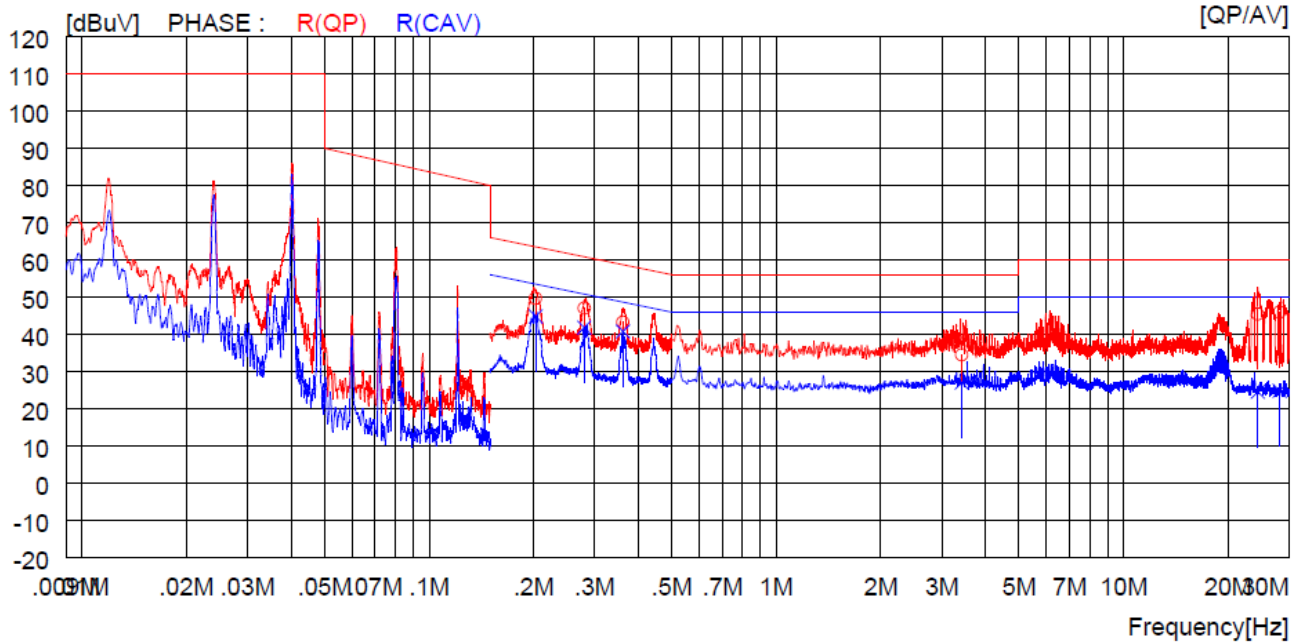


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.20300	17.5	----	21.7	39.2	----	63.5	----	24.3	----	N(QP)
2	2.72800	16.9	----	21.5	38.4	----	56.0	----	17.6	----	N(QP)
3	4.71200	18.5	----	21.5	40.0	----	56.0	----	16.0	----	N(QP)
4	6.07500	23.4	----	21.5	44.9	----	60.0	----	15.1	----	N(QP)
5	24.00000	28.9	----	21.4	50.3	----	60.0	----	9.7	----	N(QP)
6	26.34000	23.8	----	21.4	45.2	----	60.0	----	14.8	----	N(QP)
7	0.20300	----	9.8	21.7	----	31.5	----	53.5	----	22.0	N(CAV)
8	2.72800	----	13.9	21.5	----	35.4	----	46.0	----	10.6	N(CAV)
9	4.71200	----	13.7	21.5	----	35.2	----	46.0	----	10.8	N(CAV)
10	6.07500	----	16.4	21.5	----	37.9	----	50.0	----	12.1	N(CAV)
11	24.00000	----	9.8	21.4	----	31.2	----	50.0	----	18.8	N(CAV)
12	26.34000	----	6.9	21.4	----	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.

Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R

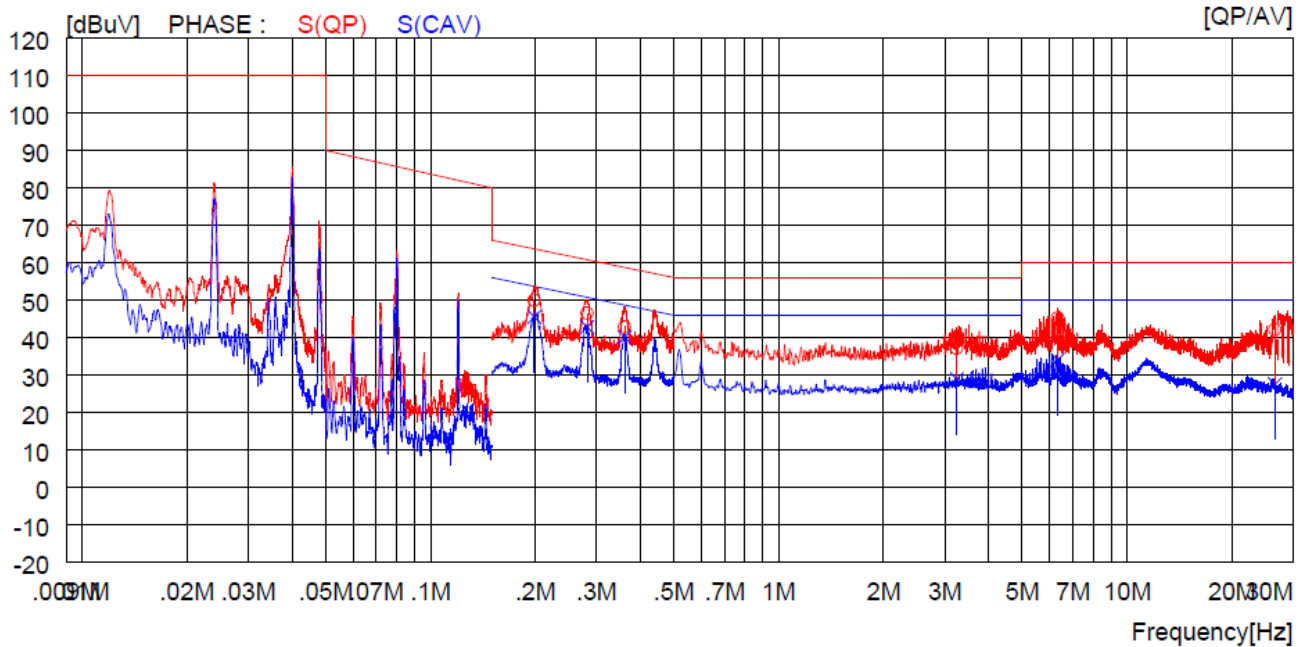


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.20300	28.0	----	21.7	49.7	----	63.5	----	13.8	----	R(QP)
2	0.28000	25.4	----	21.6	47.0	----	60.8	----	13.8	----	R(QP)
3	0.36200	21.6	----	21.6	43.2	----	58.7	----	15.5	----	R(QP)
4	3.42100	12.9	----	21.5	34.4	----	56.0	----	21.6	----	R(QP)
5	24.39000	24.0	----	21.4	45.4	----	60.0	----	14.6	----	R(QP)
6	28.15000	24.6	----	21.4	46.0	----	60.0	----	14.0	----	R(QP)
7	0.20300	----	23.1	21.7	----	44.8	----	53.5	----	8.7	R(CAV)
8	0.28000	----	20.2	21.6	----	41.8	----	50.8	----	9.0	R(CAV)
9	0.36200	----	19.2	21.6	----	40.8	----	48.7	----	7.9	R(CAV)
10	3.42100	----	5.5	21.5	----	27.0	----	46.0	----	19.0	R(CAV)
11	24.39000	----	3.1	21.4	----	24.5	----	50.0	----	25.5	R(CAV)
12	28.15000	----	3.4	21.4	----	24.8	----	50.0	----	25.2	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.

Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S

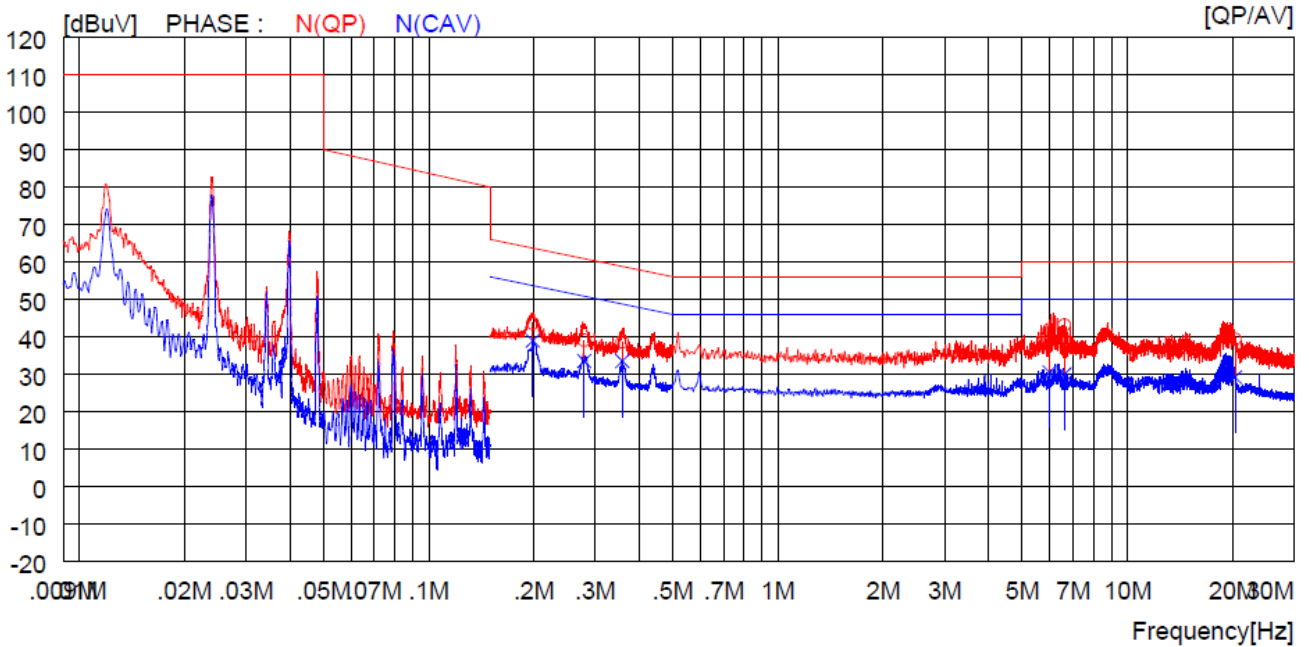


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.19900	28.3	----	21.6	49.9	----	63.7	----	13.8	----	S (QP)
2	0.28200	25.0	----	21.5	46.5	----	60.8	----	14.3	----	S (QP)
3	0.36100	21.4	----	21.5	42.9	----	58.7	----	15.8	----	S (QP)
4	3.24500	15.6	----	21.5	37.1	----	56.0	----	18.9	----	S (QP)
5	6.32500	23.7	----	21.5	45.2	----	60.0	----	14.8	----	S (QP)
6	26.58000	20.8	----	21.3	42.1	----	60.0	----	17.9	----	S (QP)
7	0.19900	----	23.9	21.6	----	45.5	----	53.7	----	8.2	S (CAV)
8	0.28200	----	21.3	21.5	----	42.8	----	50.8	----	8.0	S (CAV)
9	0.36100	----	18.5	21.5	----	40.0	----	48.7	----	8.7	S (CAV)
10	3.24500	----	7.4	21.5	----	28.9	----	46.0	----	17.1	S (CAV)
11	6.32500	----	12.5	21.5	----	34.0	----	50.0	----	16.0	S (CAV)
12	26.58000	----	6.2	21.3	----	27.5	----	50.0	----	22.5	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.

Cooking Areas 2			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N

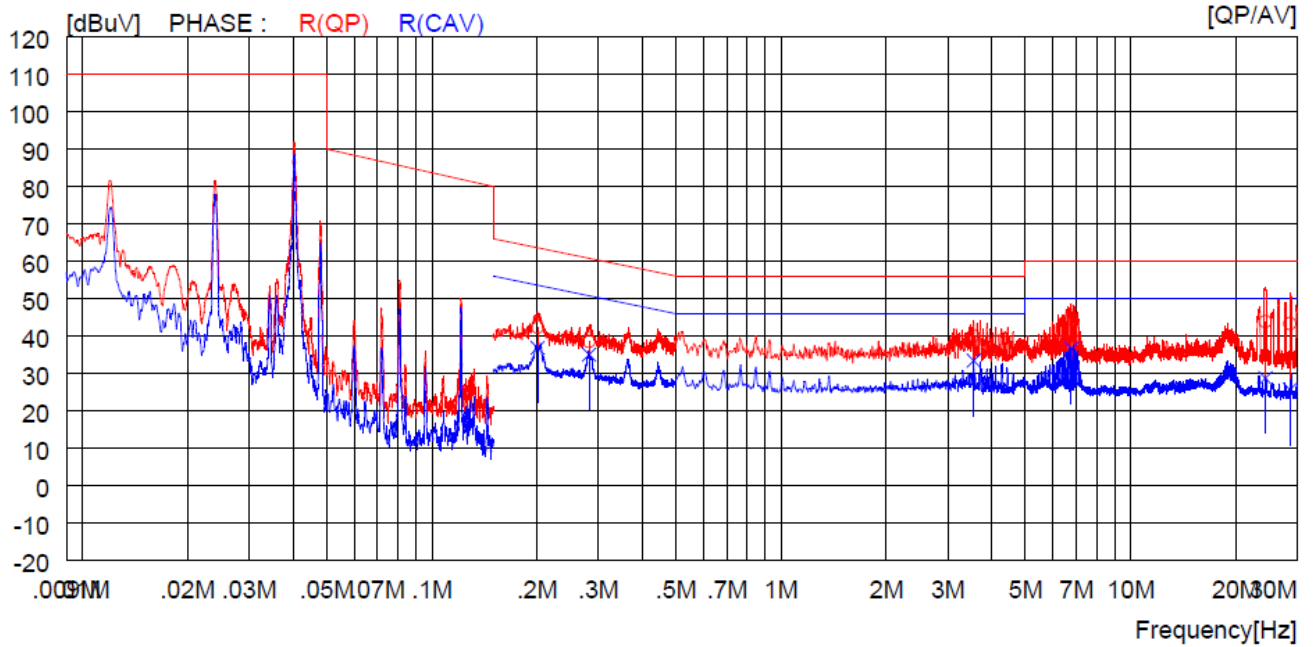


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.19900	21.9	----	21.7	43.6	----	63.7	----	20.1	----	N(QP)
2	0.27900	17.5	----	21.6	39.1	----	60.8	----	21.7	----	N(QP)
3	0.35900	17.0	----	21.6	38.6	----	58.8	----	20.2	----	N(QP)
4	5.98000	20.4	----	21.5	41.9	----	60.0	----	18.1	----	N(QP)
5	6.61500	21.6	----	21.5	43.1	----	60.0	----	16.9	----	N(QP)
6	20.32000	17.9	----	21.4	39.3	----	60.0	----	20.7	----	N(QP)
7	0.19900	----	17.2	21.7	----	38.9	----	53.7	----	14.8	N(CAV)
8	0.27900	----	11.9	21.6	----	33.5	----	50.8	----	17.3	N(CAV)
9	0.35900	----	11.9	21.6	----	33.5	----	48.8	----	15.3	N(CAV)
10	5.98000	----	9.0	21.5	----	30.5	----	50.0	----	19.5	N(CAV)
11	6.61500	----	8.5	21.5	----	30.0	----	50.0	----	20.0	N(CAV)
12	20.32000	----	7.8	21.4	----	29.2	----	50.0	----	20.8	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.

Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R

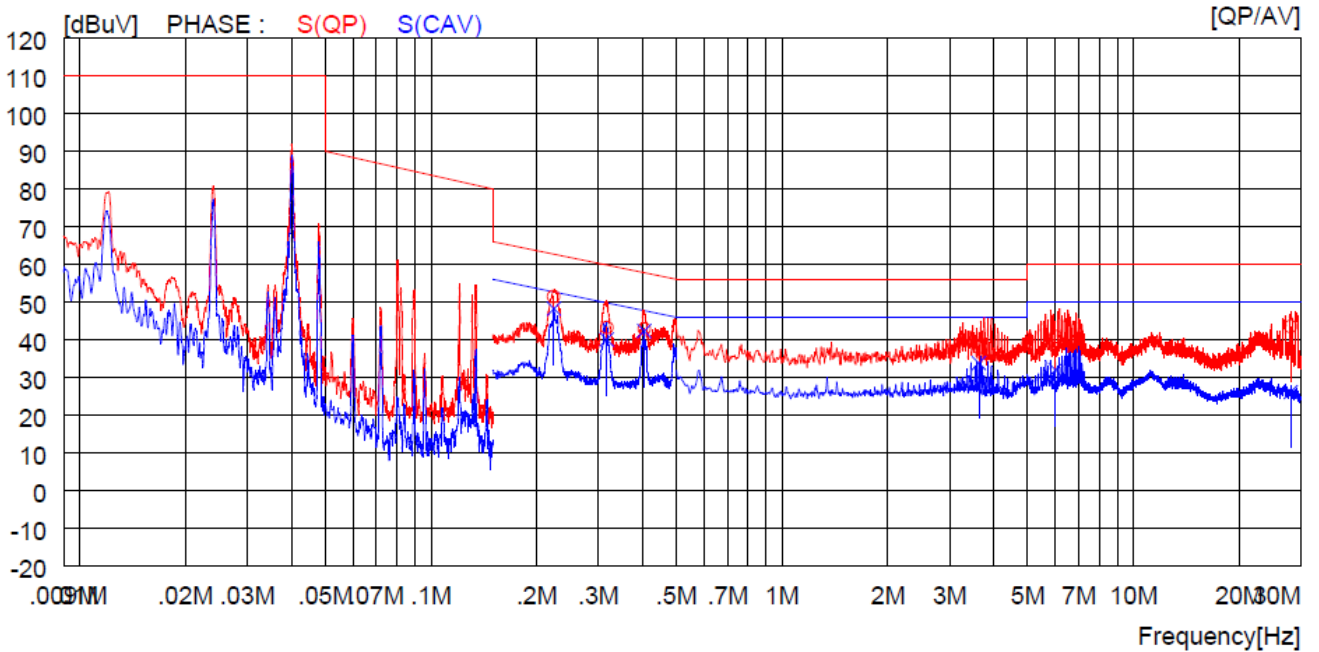


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.20100	20.6	----	21.7	42.3	----	63.6	----	21.3	----	R (QP)
2	0.28200	16.9	----	21.6	38.5	----	60.8	----	22.3	----	R (QP)
3	3.55600	18.5	----	21.5	40.0	----	56.0	----	16.0	----	R (QP)
4	6.78000	23.1	----	21.5	44.6	----	60.0	----	15.4	----	R (QP)
5	24.32000	22.4	----	21.4	43.8	----	60.0	----	16.2	----	R (QP)
6	28.61000	21.9	----	21.4	43.3	----	60.0	----	16.7	----	R (QP)
7	0.20100	----	15.1	21.7	----	36.8	----	53.6	----	16.8	R (CAV)
8	0.28200	----	13.4	21.6	----	35.0	----	50.8	----	15.8	R (CAV)
9	3.55600	----	11.9	21.5	----	33.4	----	46.0	----	12.6	R (CAV)
10	6.78000	----	15.1	21.5	----	36.6	----	50.0	----	13.4	R (CAV)
11	24.32000	----	7.3	21.4	----	28.7	----	50.0	----	21.3	R (CAV)
12	28.61000	----	4.2	21.4	----	25.6	----	50.0	----	24.4	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.

Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S

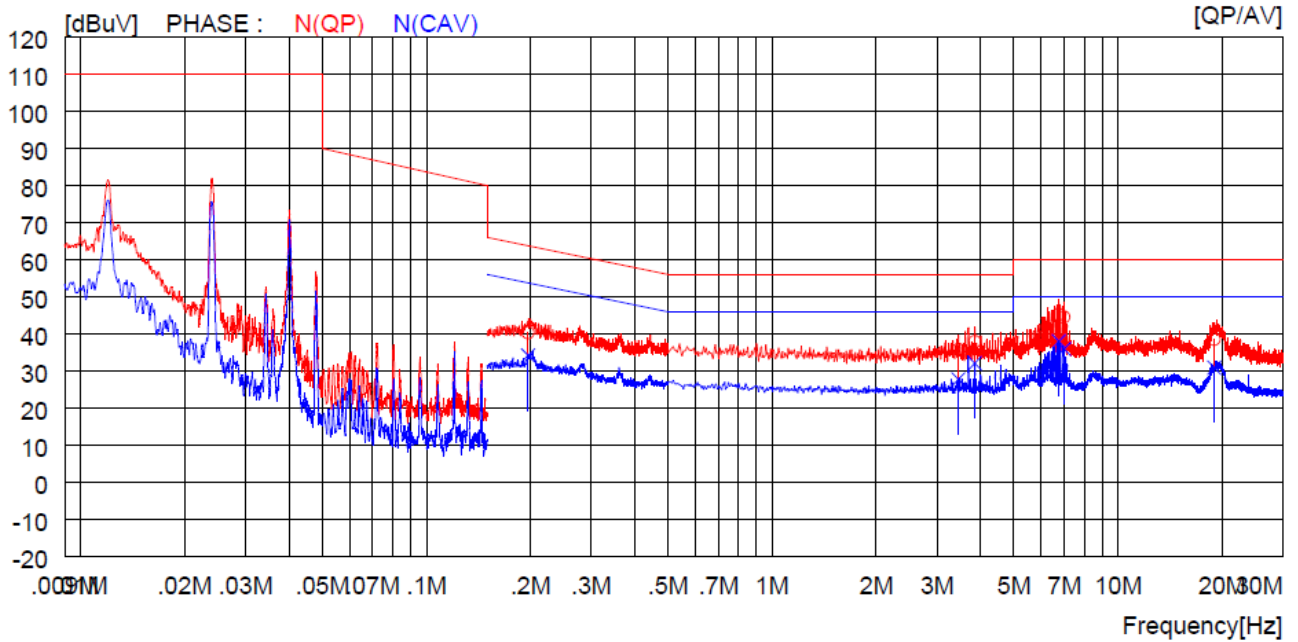


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.22400	29.8	----	21.6	51.4	----	62.7	----	11.3	----	S (QP)
2	0.31700	21.7	----	21.5	43.2	----	59.8	----	16.6	----	S (QP)
3	0.40500	21.3	----	21.5	42.8	----	57.8	----	15.0	----	S (QP)
4	3.63200	16.5	----	21.5	38.0	----	56.0	----	18.0	----	S (QP)
5	6.00000	19.3	----	21.5	40.8	----	60.0	----	19.2	----	S (QP)
6	28.06000	22.2	----	21.3	43.5	----	60.0	----	16.5	----	S (QP)
7	0.22400	----	26.6	21.6	----	48.2	----	52.7	----	4.5	S (CAV)
8	0.31700	----	18.5	21.5	----	40.0	----	49.8	----	9.8	S (CAV)
9	0.40500	----	20.8	21.5	----	42.3	----	47.8	----	5.5	S (CAV)
10	3.63200	----	12.3	21.5	----	33.8	----	46.0	----	12.2	S (CAV)
11	6.00000	----	10.5	21.5	----	32.0	----	50.0	----	18.0	S (CAV)
12	28.06000	----	4.8	21.3	----	26.1	----	50.0	----	23.9	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.

Cooking Areas 3			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N



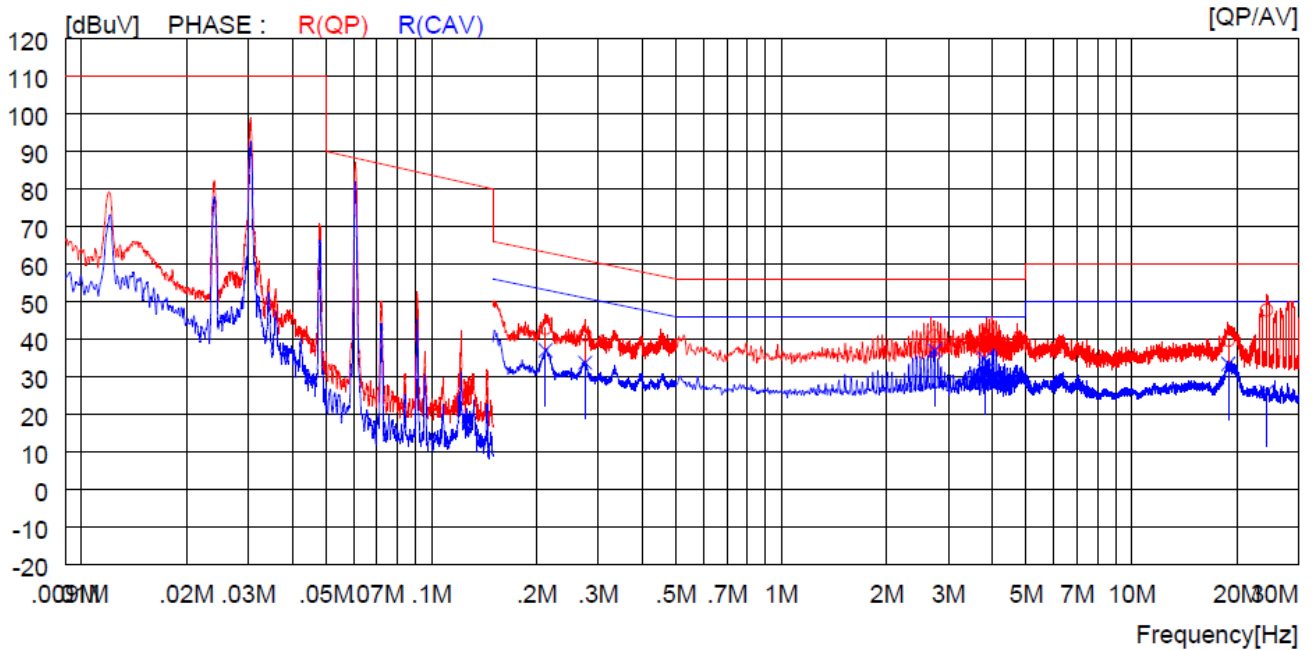
NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.19700	18.6	----	21.7	40.3	----	63.7	----	23.4	----	N (QP)
2	3.45700	14.3	----	21.5	35.8	----	56.0	----	20.2	----	N (QP)
3	3.85700	16.4	----	21.5	37.9	----	56.0	----	18.1	----	N (QP)
4	6.74500	23.8	----	21.5	45.3	----	60.0	----	14.7	----	N (QP)
5	6.98500	23.0	----	21.5	44.5	----	60.0	----	15.5	----	N (QP)
6	18.99000	17.1	----	21.4	38.5	----	60.0	----	21.5	----	N (QP)
7	0.19700	----	12.5	21.7	----	34.2	----	53.7	----	19.5	N (CAV)
8	3.45700	----	6.2	21.5	----	27.7	----	46.0	----	18.3	N (CAV)
9	3.85700	----	10.6	21.5	----	32.1	----	46.0	----	13.9	N (CAV)
10	6.74500	----	16.5	21.5	----	38.0	----	50.0	----	12.0	N (CAV)
11	6.98500	----	14.4	21.5	----	35.9	----	50.0	----	14.1	N (CAV)
12	18.99000	----	9.5	21.4	----	30.9	----	50.0	----	19.1	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.



Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: R



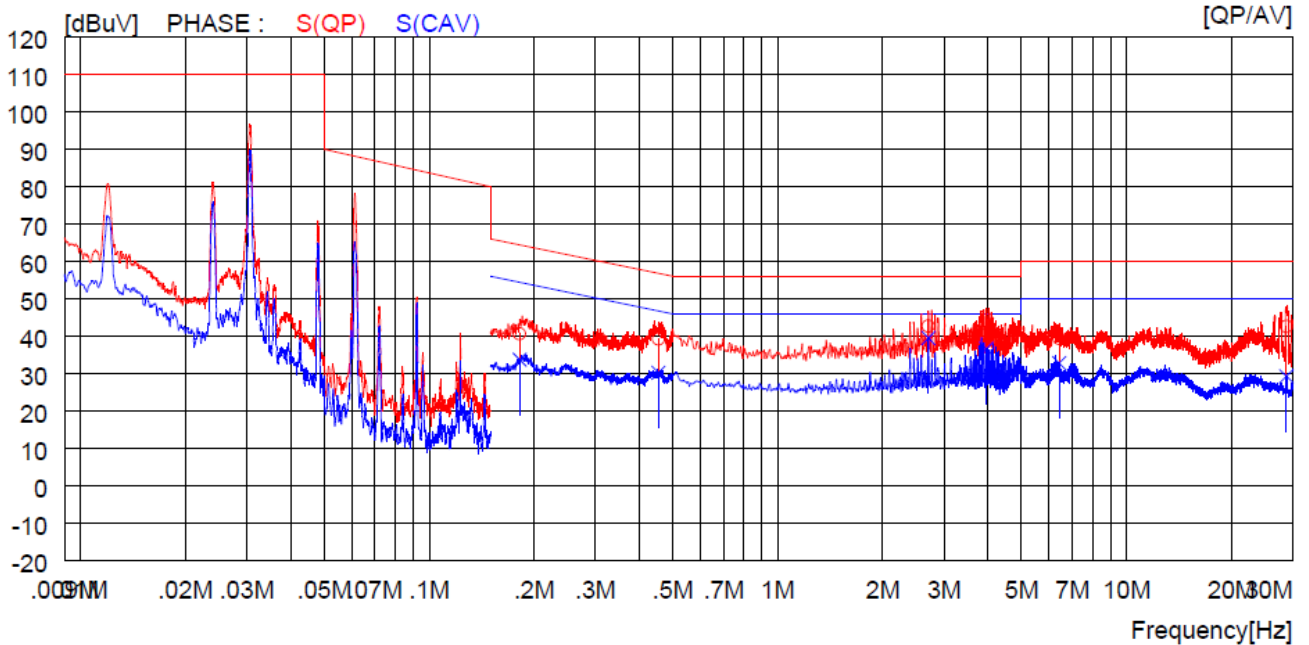
NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.21200	21.1	----	21.7	42.8	----	63.1	----	20.3	----	R (QP)
2	0.27500	19.6	----	21.6	41.2	----	61.0	----	19.8	----	R (QP)
3	2.73700	19.3	----	21.5	40.8	----	56.0	----	15.2	----	R (QP)
4	3.80300	18.7	----	21.5	40.2	----	56.0	----	15.8	----	R (QP)
5	18.90000	18.3	----	21.4	39.7	----	60.0	----	20.3	----	R (QP)
6	24.33000	26.3	----	21.4	47.7	----	60.0	----	12.3	----	R (QP)
7	0.21200	----	15.3	21.7	----	37.0	----	53.1	----	16.1	R (CAV)
8	0.27500	----	12.1	21.6	----	33.7	----	51.0	----	17.3	R (CAV)
9	2.73700	----	15.5	21.5	----	37.0	----	46.0	----	9.0	R (CAV)
10	3.80300	----	13.3	21.5	----	34.8	----	46.0	----	11.2	R (CAV)
11	18.90000	----	12.0	21.4	----	33.4	----	50.0	----	16.6	R (CAV)
12	24.33000	----	4.6	21.4	----	26.0	----	50.0	----	24.0	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.



Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: S

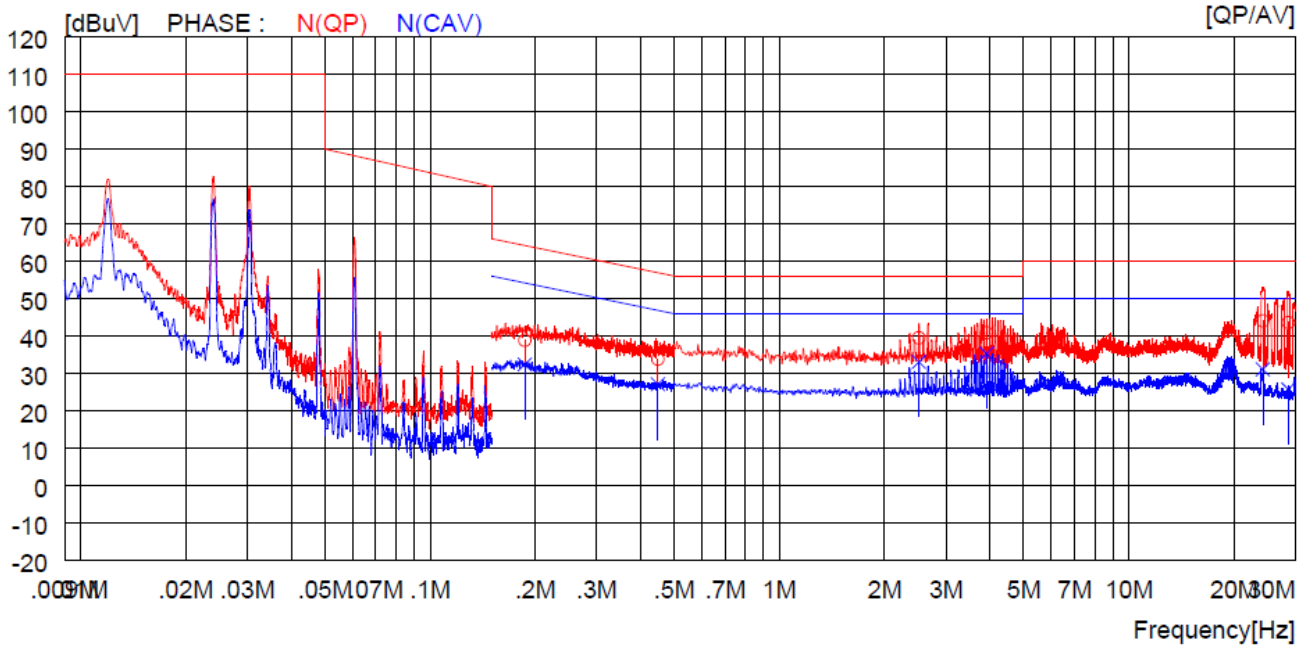


NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.18200	19.0	----	21.6	40.6	----	64.4	----	23.8	----	S (QP)
2	0.45500	17.6	----	21.6	39.2	----	56.8	----	17.6	----	S (QP)
3	2.70500	21.2	----	21.5	42.7	----	56.0	----	13.3	----	S (QP)
4	3.96500	21.9	----	21.5	43.4	----	56.0	----	12.6	----	S (QP)
5	6.41500	17.9	----	21.5	39.4	----	60.0	----	20.6	----	S (QP)
6	28.78000	21.3	----	21.3	42.6	----	60.0	----	17.4	----	S (QP)
7	0.18200	----	12.1	21.6	----	33.7	----	54.4	----	20.7	S (CAV)
8	0.45500	----	8.6	21.6	----	30.2	----	46.8	----	16.6	S (CAV)
9	2.70500	----	18.0	21.5	----	39.5	----	46.0	----	6.5	S (CAV)
10	3.96500	----	15.1	21.5	----	36.6	----	46.0	----	9.4	S (CAV)
11	6.41500	----	11.3	21.5	----	32.8	----	50.0	----	17.2	S (CAV)
12	28.78000	----	8.0	21.3	----	29.3	----	50.0	----	20.7	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.

Cooking Areas 4			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: September 01, 2023
Resolution bandwidth	: 9 kHz	Tested Line	: N



NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.18700	17.1	----	21.7	38.8	----	64.2	----	25.4	----	N (QP)
2	0.44900	12.2	----	21.6	33.8	----	56.9	----	23.1	----	N (QP)
3	2.51200	18.0	----	21.5	39.5	----	56.0	----	16.5	----	N (QP)
4	3.92000	19.3	----	21.5	40.8	----	56.0	----	15.2	----	N (QP)
5	24.22000	22.6	----	21.4	44.0	----	60.0	----	16.0	----	N (QP)
6	28.64000	22.2	----	21.4	43.6	----	60.0	----	16.4	----	N (QP)
7	0.18700	----	10.7	21.7	----	32.4	----	54.2	----	21.8	N (CAV)
8	0.44900	----	5.5	21.6	----	27.1	----	46.9	----	19.8	N (CAV)
9	2.51200	----	11.6	21.5	----	33.1	----	46.0	----	12.9	N (CAV)
10	3.92000	----	13.8	21.5	----	35.3	----	46.0	----	10.7	N (CAV)
11	24.22000	----	9.7	21.4	----	31.1	----	50.0	----	18.9	N (CAV)
12	28.64000	----	4.3	21.4	----	25.7	----	50.0	----	24.3	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.

## 5.2 Radiated Emission Test

### 5.2.1 Operating Environment

Temperature : 22.4 °C  
Relative humidity : 55.3 % 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 ~ 6 000 MHz : ± 6.2 dB  
Radiated emission electric field intensity, 6 000 MHz ~ 25 000 MHz : ± 6.1 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,  $k = 2$ .

**5.2.4 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 <sup>1)</sup>
	Any non-ISM frequency	Below 500 500 or more	15 15 × SQRT(power/500)	300 300 <sup>1)</sup>
Industrial heaters and RF stabilized arc welders	On or below 5,725 MHz	Any	10	1,600 <sup>(2)</sup>
	Above 5,725 MHz	Any	(2)	
Medical diathermy	Any ISM frequency	Any	25	300
	Any non-ISM frequency	Any	15	300
Ultrasonic	Below 490 kHz	Below 500	2,400/F(kHz)	300
		500 or more	2,400/F(kHz) × SQRT(power/500)	300 <sup>3)</sup>
	490 to 1,600 kHz Above 1,600 kHz	Any Any	24,000/F(kHz) 15	30 30
Induction cooking ranges	Below 90 kHz	Any	1,500	30 <sup>4)</sup>
	On or above 90 kHz	Any	300	30 <sup>4)</sup>

1) Field strength may not exceed 10 μV/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 μV/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.

**5.2.5 Test Equipment used**

<b>Model Number</b>	<b>Manufacturer</b>	<b>Description</b>	<b>Serial Number</b>	<b>Last Cal. (Interval)</b>
■ - ESW 44	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. 14, 2023 (1Y)
■ - SAS-574	A.H. System	Horn Antenna	676	Oct. 19, 2022 (1Y)
■ - PAM-118A	Com-Power	Preamplifier	18040081	Oct. 13, 2022 (1Y)
■ - PAM-840A	Com-Power	Preamplifier	461339	Oct. 13, 2022 (1Y)

All test equipment used is calibrated on a regular basis.

5.2.6 Test Data

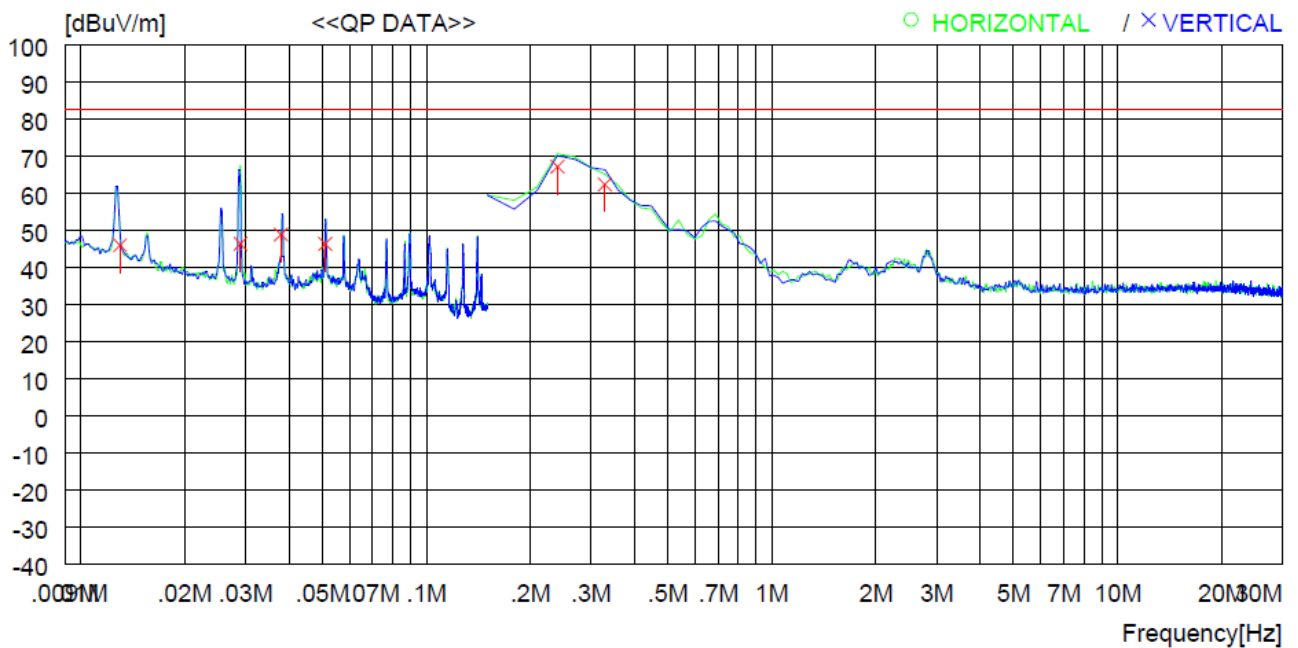
5.2.6.1 Operating Condition: AC 208 V / 60 Hz

-. Test Result : Pass



Tested by: Young-Jae, Kim / Project Engineer

Cooking Areas 1			
Frequency range	: 9 kHz ~ 30 MHz	Test Date	: August 31, 2023
Resolution bandwidth	: 200 Hz, 9 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



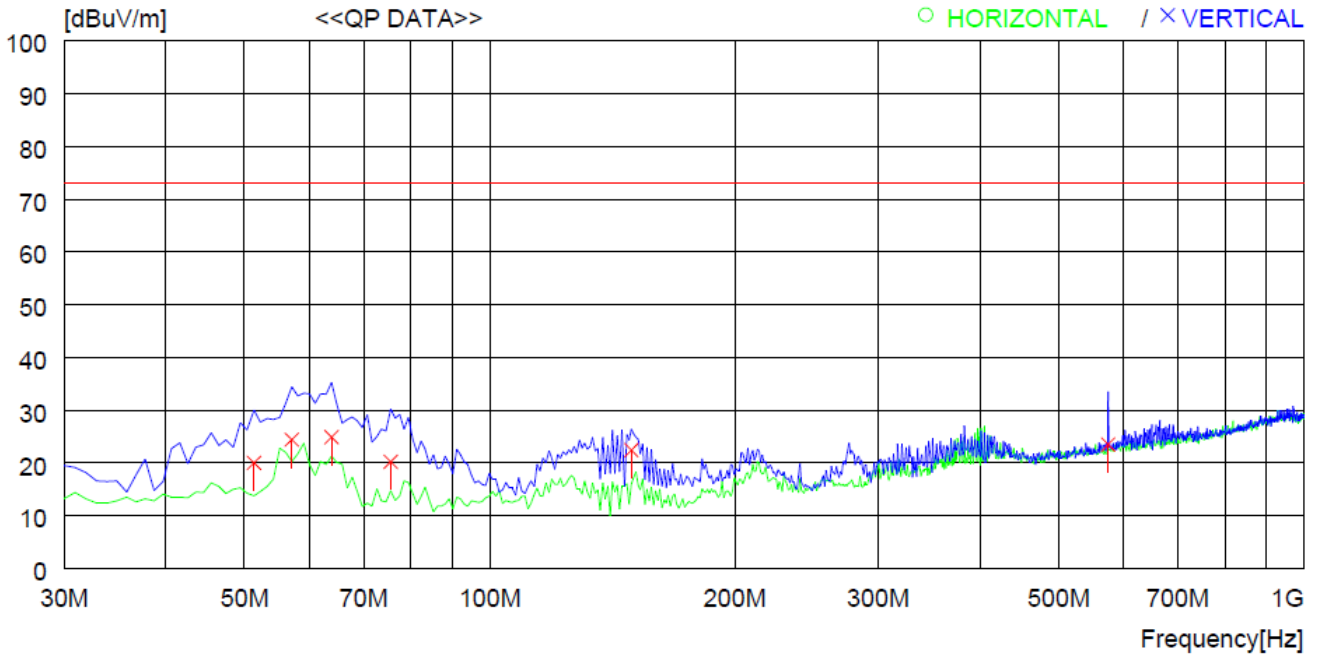
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	0.013	25.6	20.2	0.2	0.0	46.0	82.6	36.6	100	57
2	0.029	25.1	21.0	0.3	0.0	46.4	82.6	36.2	100	41
3	0.038	27.6	21.0	0.3	0.0	48.9	82.6	33.7	100	359
4	0.051	25.1	21.0	0.3	0.0	46.4	82.6	36.2	100	25
5	0.240	45.8	21.1	0.3	0.0	67.2	82.6	15.4	100	245
6	0.329	41.0	21.1	0.3	0.0	62.4	82.6	20.2	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.

Cooking Areas 1	
Frequency range : 30 MHz ~ 1 000 MHz	Test Date : August 31, 2023
Resolution bandwidth : 120 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



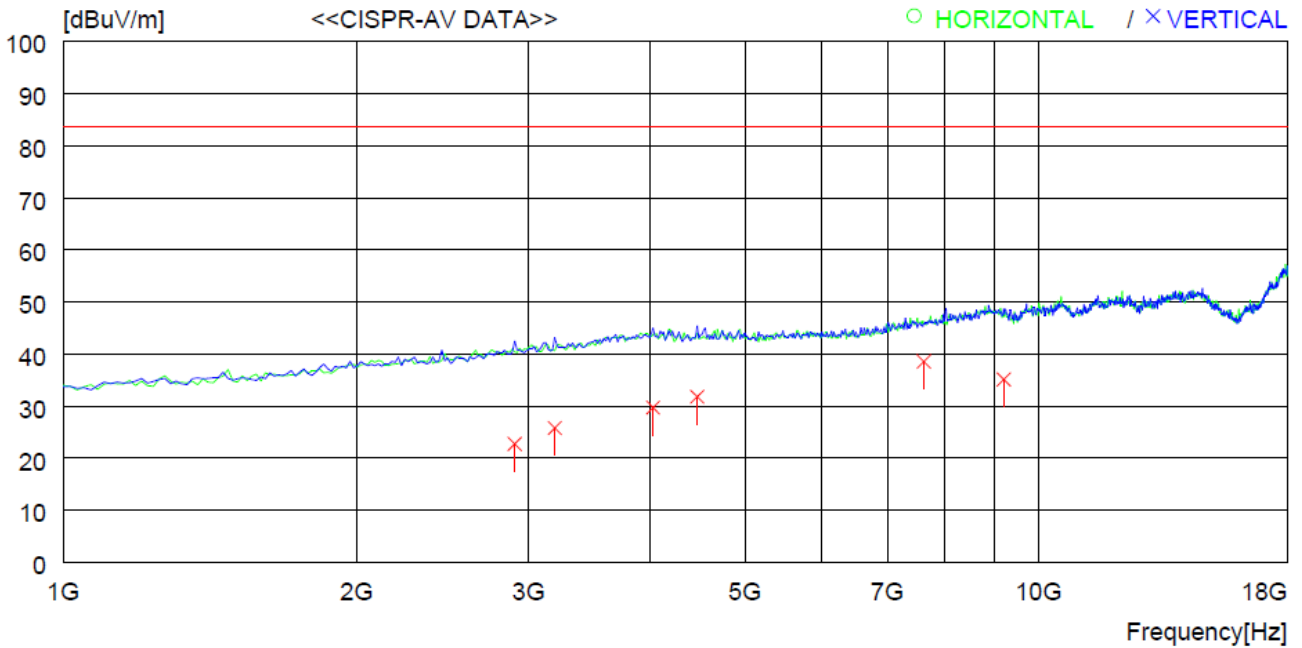
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	51.340	31.9	13.8	2.7	28.4	20.0	73.1	53.1	200	160
2	57.160	36.6	13.4	2.8	28.4	24.4	73.1	48.7	100	0
3	63.950	38.2	11.9	3.1	28.3	24.9	73.1	48.2	100	224
4	75.590	36.6	8.6	3.3	28.3	20.2	73.1	52.9	100	0
5	149.310	37.3	8.5	4.8	28.2	22.4	73.1	50.7	100	132
6	575.139	23.5	18.7	10.1	28.8	23.5	73.1	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.

Cooking Areas 1	
Frequency range : 1 GHz ~ 18 GHz	Test Date : August 31, 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	2904.023	29.2	29.7	3.9	40.1	22.7	83.5	60.8	100	0
2	3193.110	31.5	30.4	4.0	40.1	25.8	83.5	57.7	100	274
3	4026.340	32.8	32.6	4.6	40.3	29.7	83.5	53.8	100	99
4	4468.425	34.9	32.4	4.9	40.4	31.8	83.5	51.7	100	0
5	7630.740	36.2	36.8	6.4	40.9	38.5	83.5	45.0	100	0
6	9211.650	30.8	38.3	6.9	40.9	35.1	83.5	48.4	100	0

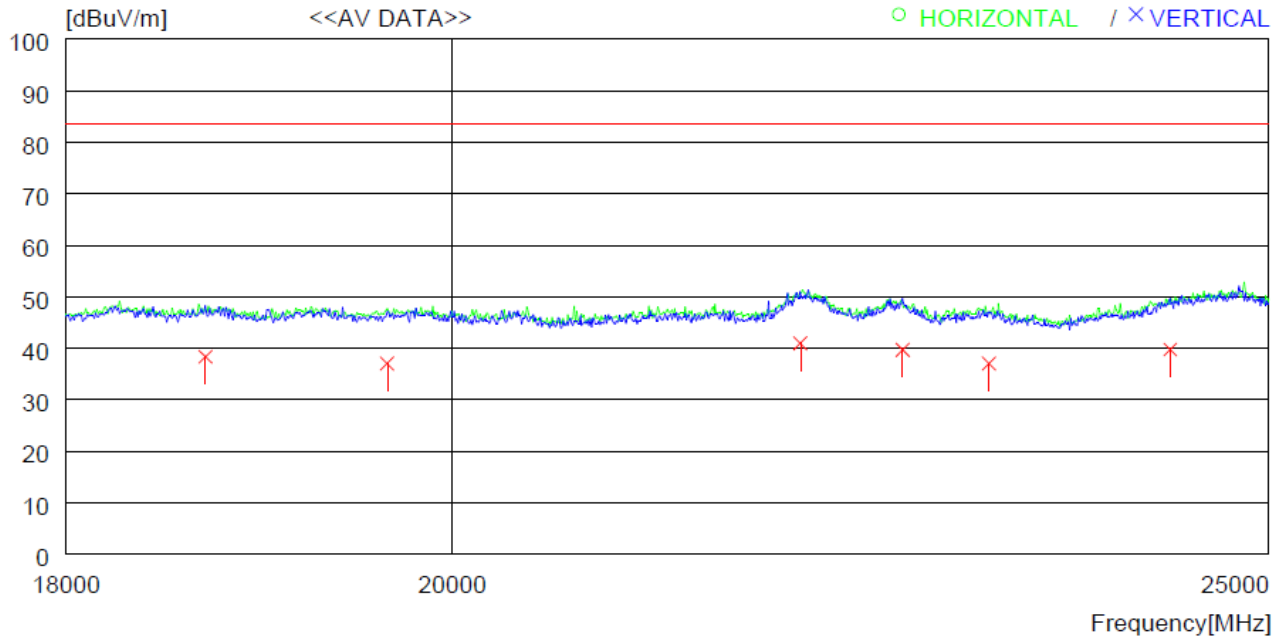
Remark: Margin (dB) = Limit – Result

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

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



Cooking Areas 1			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: August 31, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



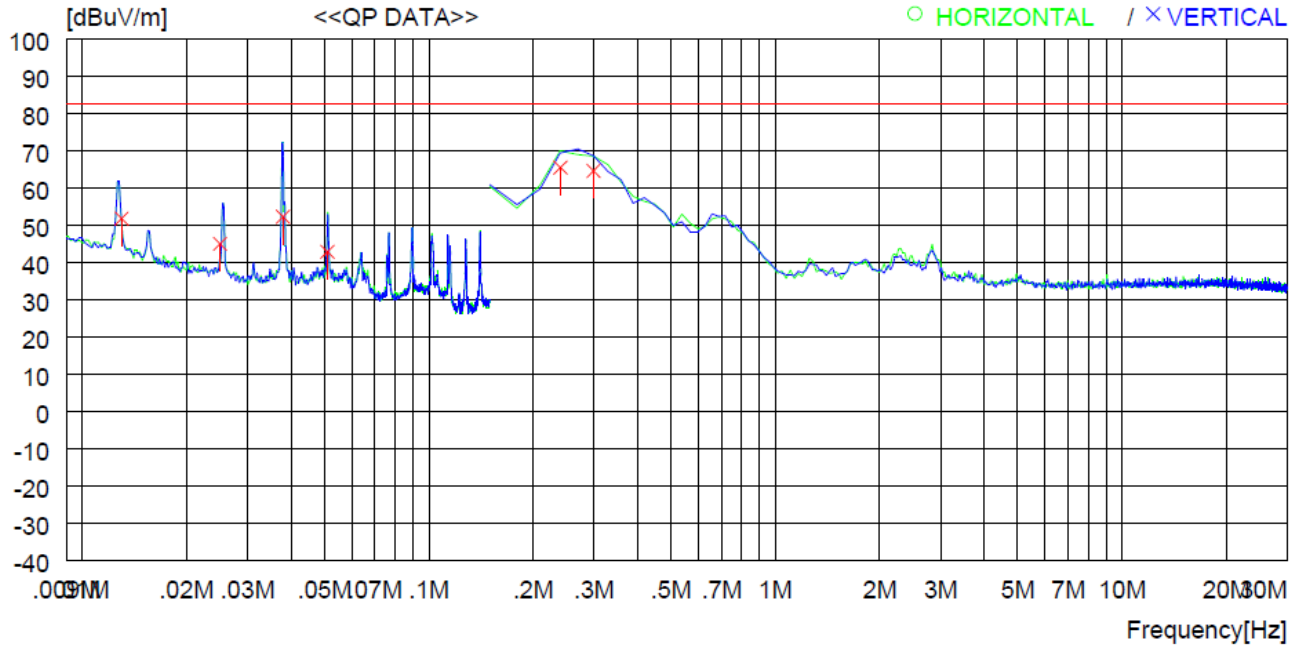
No.	FREQ [MHz]	READING AV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	18700.230	27.9	40.4	10.1	40.0	38.4	83.5	45.1	100	85
2	19652.350	27.8	40.2	10.4	41.3	37.1	83.5	46.4	100	85
3	21997.420	32.6	40.2	11.1	42.9	41.0	83.5	42.5	100	85
4	22620.530	31.6	40.1	11.0	43.0	39.7	83.5	43.8	100	8
5	23159.480	29.0	40.1	11.1	43.1	37.1	83.5	46.4	100	85
6	24335.720	31.4	40.2	11.3	43.1	39.8	83.5	43.7	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.

Cooking Areas 2	
Frequency range : 9 kHz ~ 30 MHz	Test Date : August 31, 2023
Resolution bandwidth : 200 Hz, 9 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



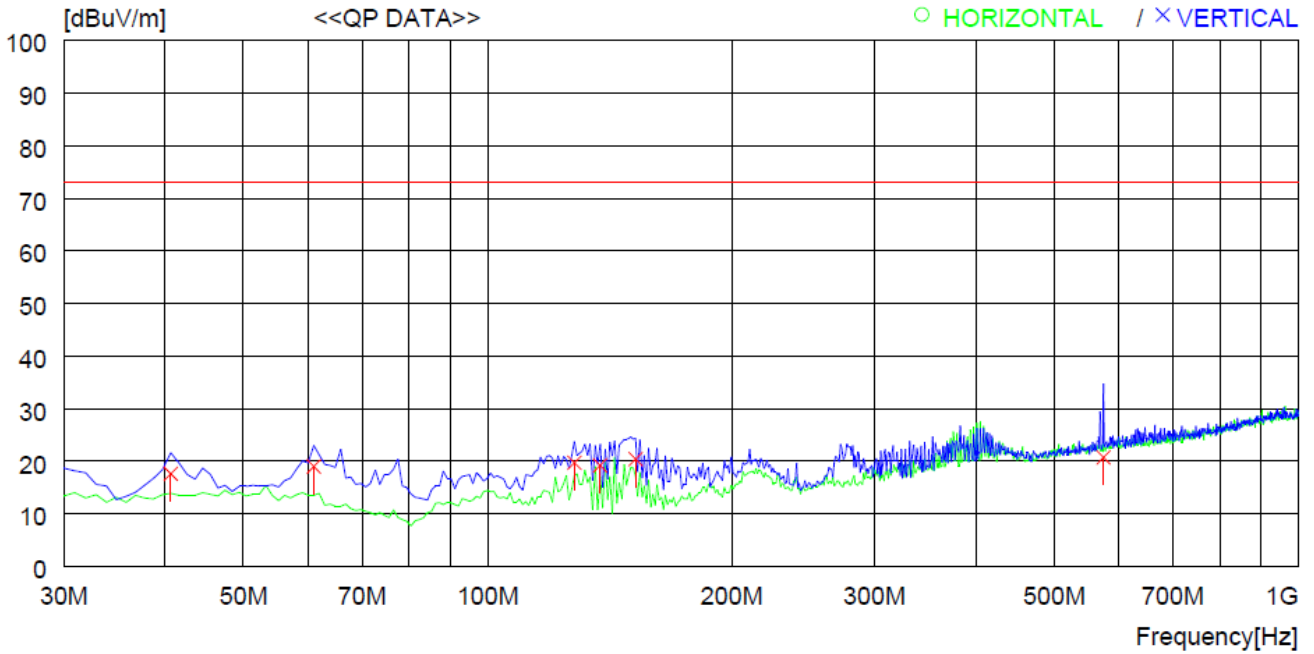
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	0.013	31.4	20.2	0.2	0.0	51.8	82.6	30.8	100	359
2	0.025	23.9	20.8	0.3	0.0	45.0	82.6	37.6	100	359
3	0.038	31.0	21.0	0.3	0.0	52.3	82.6	30.3	100	359
4	0.051	21.6	21.0	0.3	0.0	42.9	82.6	39.7	100	359
5	0.240	44.1	21.1	0.3	0.0	65.5	82.6	17.1	100	321
6	0.299	43.3	21.1	0.3	0.0	64.7	82.6	17.9	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.

Cooking Areas 2	
Frequency range : 30 MHz ~ 1 000 MHz	Test Date : August 31, 2023
Resolution bandwidth : 120 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



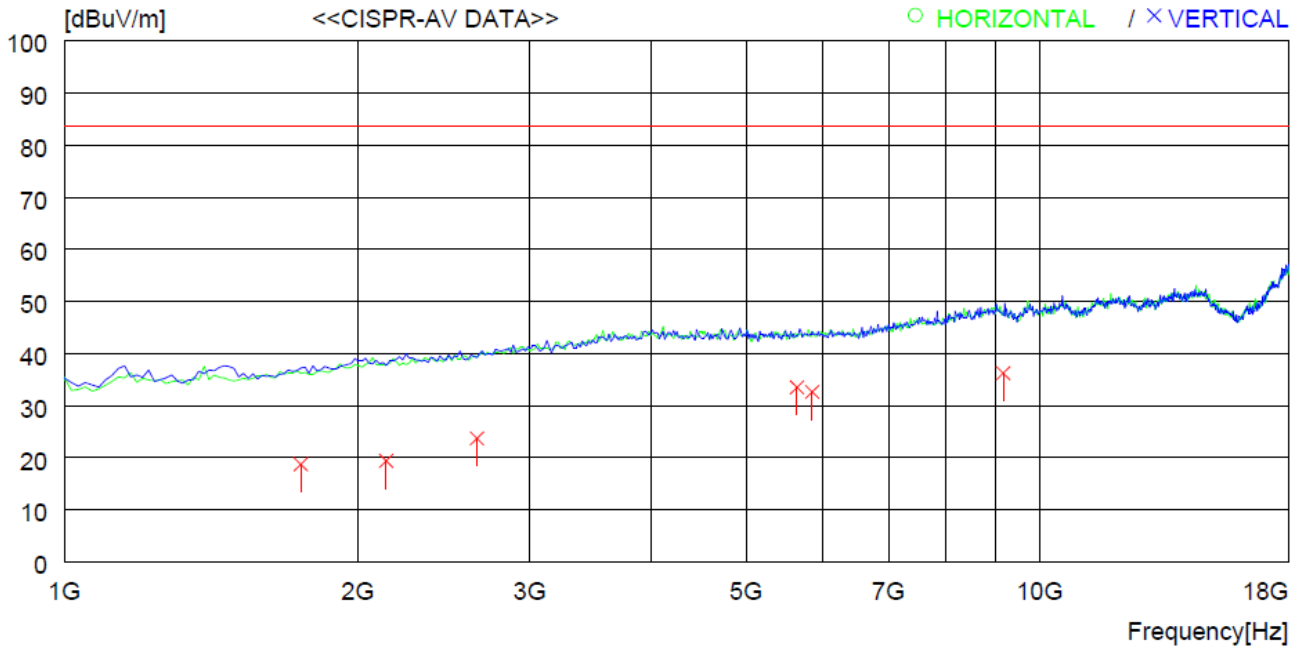
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	40.670	29.9	13.7	2.4	28.4	17.6	73.1	55.5	200	320
2	61.040	31.6	12.9	2.9	28.4	19.0	73.1	54.1	100	0
3	127.970	34.2	9.3	4.4	28.2	19.7	73.1	53.4	100	0
4	137.670	34.3	8.5	4.6	28.2	19.2	73.1	53.9	100	0
5	152.220	35.2	8.6	4.8	28.2	20.4	73.1	52.7	100	138
6	575.139	20.7	18.7	10.1	28.8	20.7	73.1	52.4	100	297

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.

Cooking Areas 2	
Frequency range : 1 GHz ~ 18 GHz	Test Date : August 31, 2023
Resolution bandwidth : 1 MHz	Measurement distance : 3 m
Detector Mode : CISPR Average	



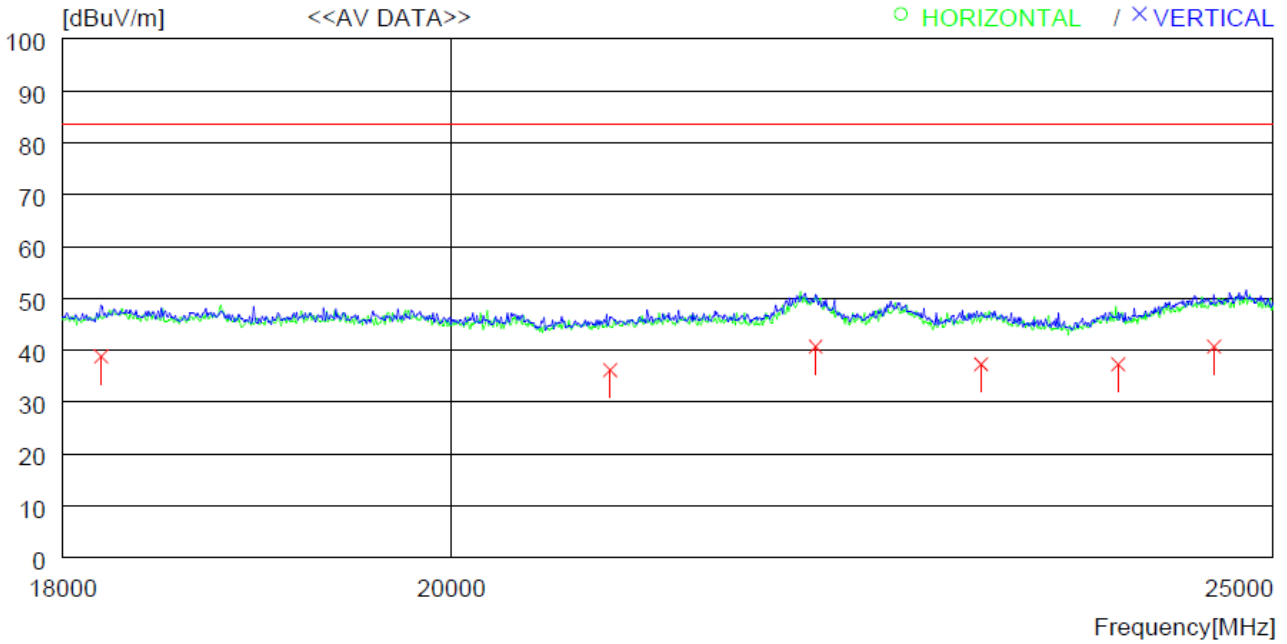
No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	1748.042	29.2	26.3	2.9	39.7	18.7	83.5	64.8	100	0
2	2139.180	28.3	27.7	3.2	39.8	19.4	83.5	64.1	100	0
3	2649.725	31.2	28.9	3.6	40.0	23.7	83.5	59.8	100	325
4	5641.418	34.5	34.1	5.5	40.6	33.5	83.5	50.0	100	0
5	5845.065	33.5	34.1	5.6	40.6	32.6	83.5	50.9	100	0
6	9177.445	31.8	38.4	6.9	40.9	36.2	83.5	47.3	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.

Cooking Areas 2	
Frequency range : 18 GHz ~ 25 GHz	Test Date : August 31, 2023
Resolution bandwidth : 1 MHz	Measurement distance : 3 m
Detector Mode : CISPR Average	



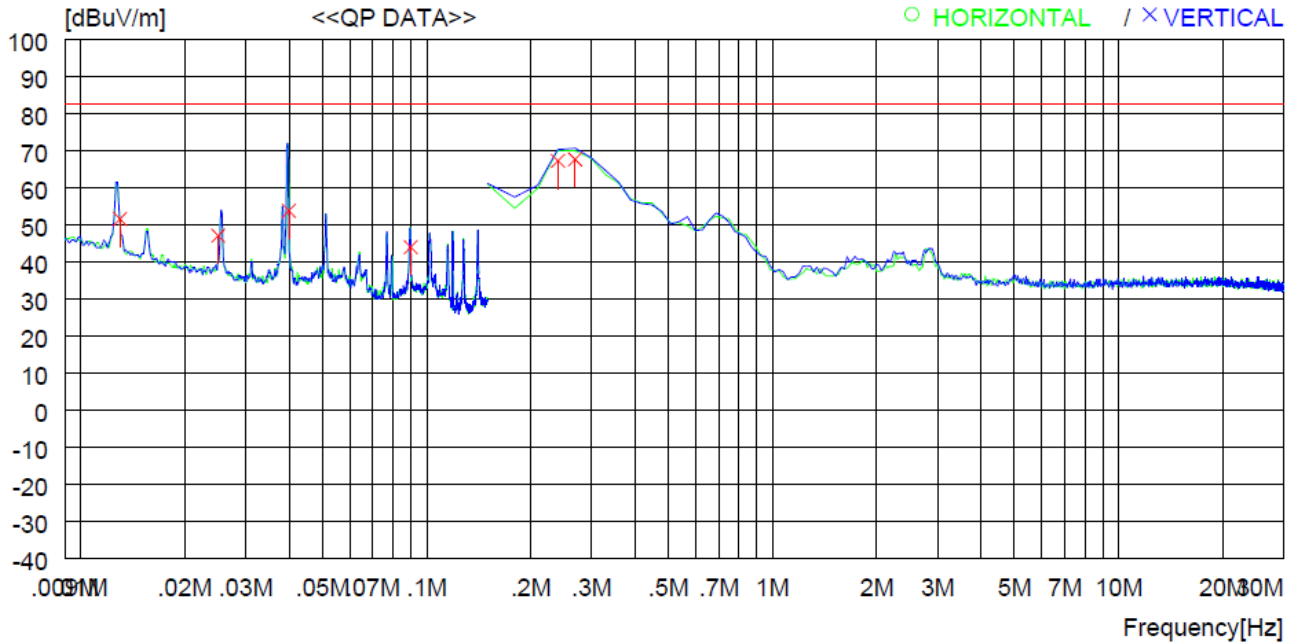
No.	FREQ [MHz]	READING AV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	18189.450	28.2	40.3	9.9	39.6	38.8	83.5	44.7	100	168
2	20884.280	27.4	40.2	10.9	42.3	36.2	83.5	47.3	100	52
3	22081.340	32.3	40.2	11.1	42.9	40.7	83.5	42.8	100	61
4	23096.420	29.1	40.1	11.2	43.1	37.3	83.5	46.2	100	52
5	23971.150	29.3	40.1	11.1	43.2	37.3	83.5	46.2	100	128
6	24601.650	32.2	40.2	11.4	43.1	40.7	83.5	42.8	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.

Cooking Areas 3	
Frequency range : 9 kHz ~ 30 MHz	Test Date : August 31, 2023
Resolution bandwidth : 200 Hz, 9 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



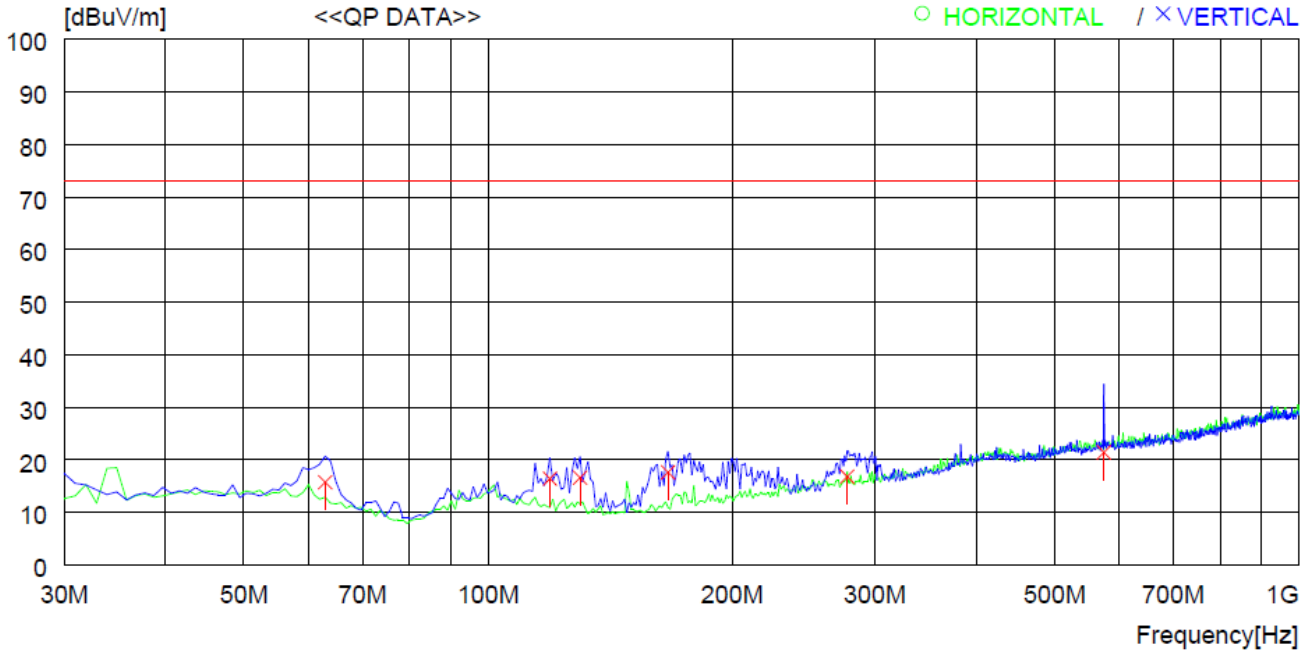
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	0.013	31.2	20.2	0.2	0.0	51.6	82.6	31.0	100	359
2	0.025	26.0	20.8	0.3	0.0	47.1	82.6	35.5	100	359
3	0.040	32.5	21.0	0.3	0.0	53.8	82.6	28.8	100	25
4	0.090	22.6	21.1	0.3	0.0	44.0	82.6	38.6	100	188
5	0.240	45.9	21.1	0.3	0.0	67.3	82.6	15.3	100	17
6	0.269	46.3	21.1	0.3	0.0	67.7	82.6	14.9	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.

Cooking Areas 3	
Frequency range : 30 MHz ~ 1 000 MHz	Test Date : August 31, 2023
Resolution bandwidth : 120 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



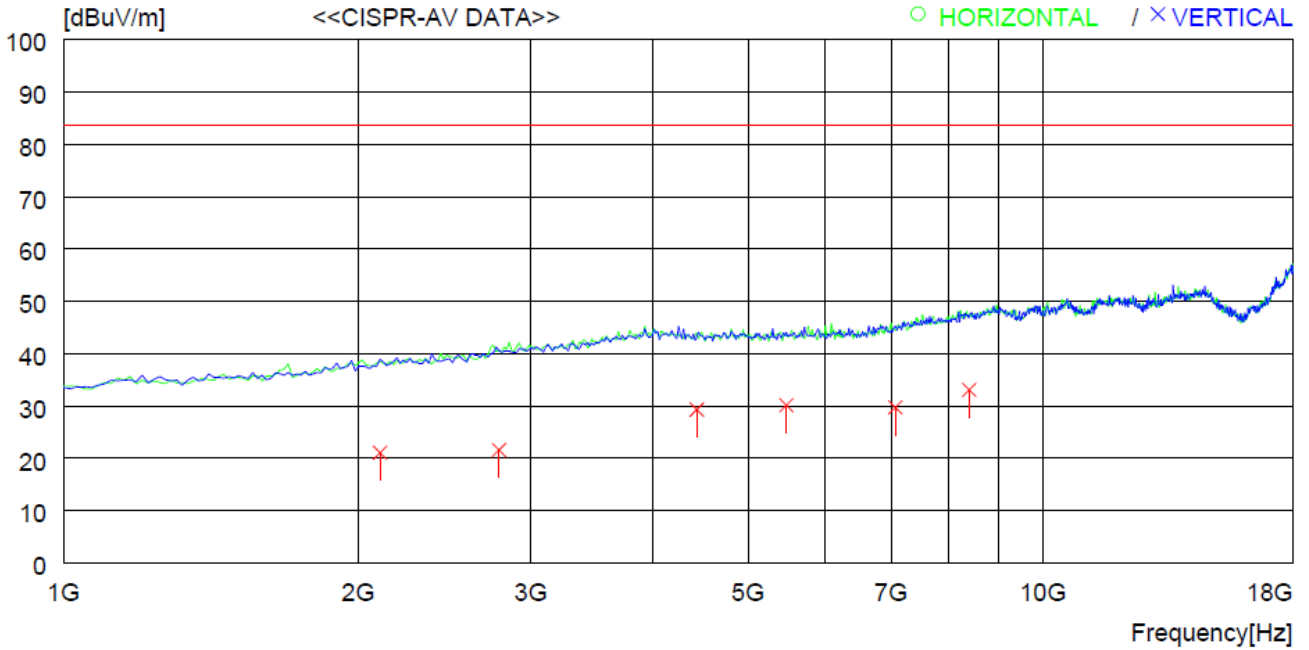
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	62.980	28.9	12.2	3.0	28.4	15.7	73.1	57.4	100	66
2	119.240	30.4	10.1	4.2	28.3	16.4	73.1	56.7	149	359
3	129.910	31.2	9.2	4.4	28.2	16.6	73.1	56.5	149	359
4	166.770	31.7	9.1	5.0	28.2	17.6	73.1	55.5	149	359
5	277.350	25.0	13.1	6.5	27.8	16.8	73.1	56.3	149	359
6	575.139	21.4	18.7	10.1	28.8	21.4	73.1	51.7	149	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.

Cooking Areas 3	
Frequency range : 1 GHz ~ 18 GHz	Test Date : August 31, 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	2105.200	30.1	27.6	3.2	39.8	21.1	83.5	62.4	100	359
2	2785.318	28.5	29.3	3.8	40.0	21.6	83.5	61.9	100	359
3	4434.505	32.4	32.4	4.9	40.4	29.3	83.5	54.2	100	359
4	5471.255	31.1	34.0	5.5	40.5	30.1	83.5	53.4	100	27
5	7069.728	28.9	35.5	6.1	40.8	29.7	83.5	53.8	100	4
6	8412.141	29.3	38.2	6.5	40.9	33.1	83.5	50.4	100	269

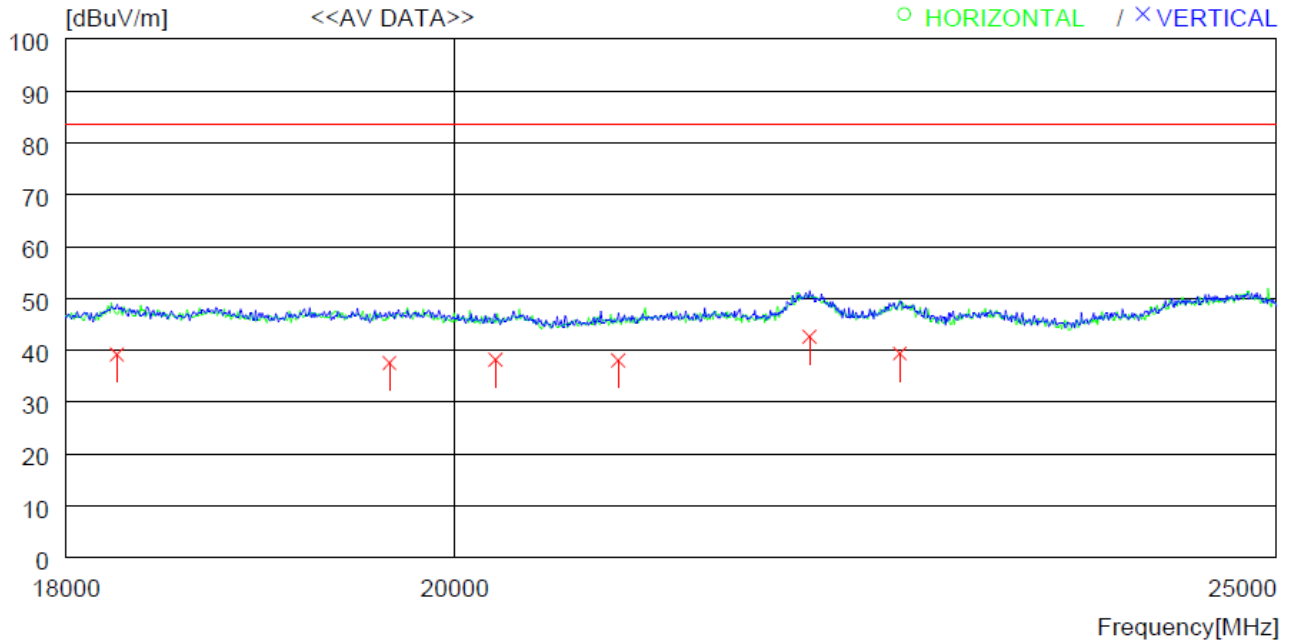
Remark: Margin (dB) = Limit – Result

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

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



Cooking Areas 3	
Frequency range : 18 GHz ~ 25 GHz	Test Date : August 31, 2023
Resolution bandwidth : 1 MHz	Measurement distance : 3 m
Detector Mode : CISPR Average	



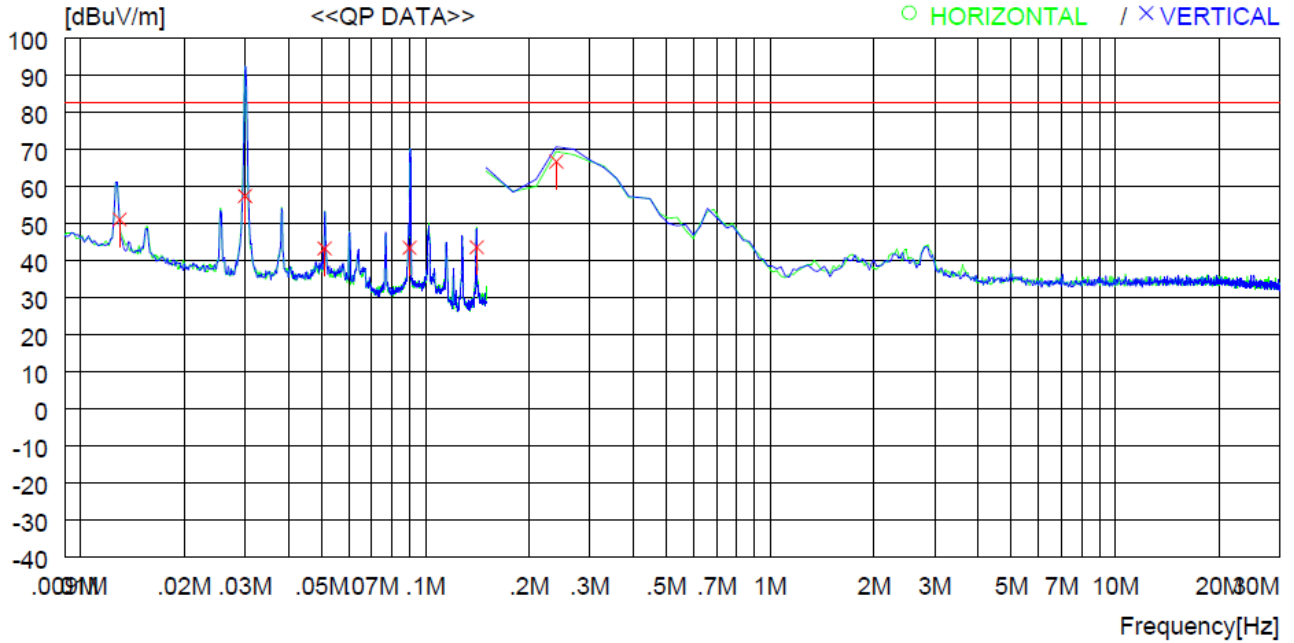
No.	FREQ [MHz]	READING AV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	18252.230	28.6	40.3	10.0	39.7	39.2	83.5	44.3	100	7
2	19652.450	28.3	40.2	10.4	41.3	37.6	83.5	45.9	100	24
3	20226.520	29.2	40.3	10.6	41.9	38.2	83.5	45.3	100	180
4	20912.140	29.3	40.2	10.9	42.3	38.1	83.5	45.4	100	2
5	22025.380	34.2	40.2	11.1	42.9	42.6	83.5	40.9	100	2
6	22571.460	31.3	40.1	11.0	43.0	39.4	83.5	44.1	100	2

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.

Cooking Areas 4	
Frequency range : 9 kHz ~ 30 MHz	Test Date : August 31, 2023
Resolution bandwidth : 200 Hz, 9 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



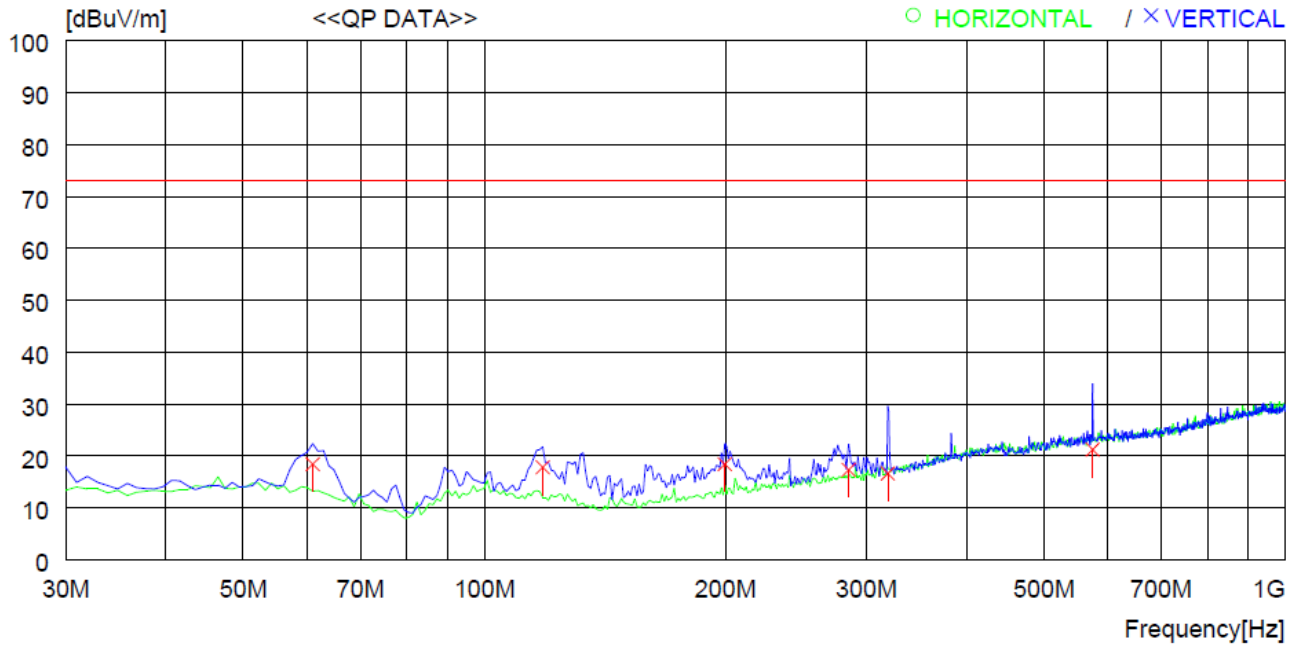
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	0.013	30.7	20.2	0.2	0.0	51.1	82.6	31.5	100	359
2	0.030	36.1	21.0	0.3	0.0	57.4	82.6	25.2	100	359
3	0.051	22.0	21.0	0.3	0.0	43.3	82.6	39.3	100	359
4	0.090	22.1	21.1	0.3	0.0	43.5	82.6	39.1	100	359
5	0.141	22.2	21.1	0.3	0.0	43.6	82.6	39.0	100	218
6	0.240	45.3	21.1	0.3	0.0	66.7	82.6	15.9	100	35

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.

Cooking Areas 4	
Frequency range : 30 MHz ~ 1 000 MHz	Test Date : August 31, 2023
Resolution bandwidth : 120 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



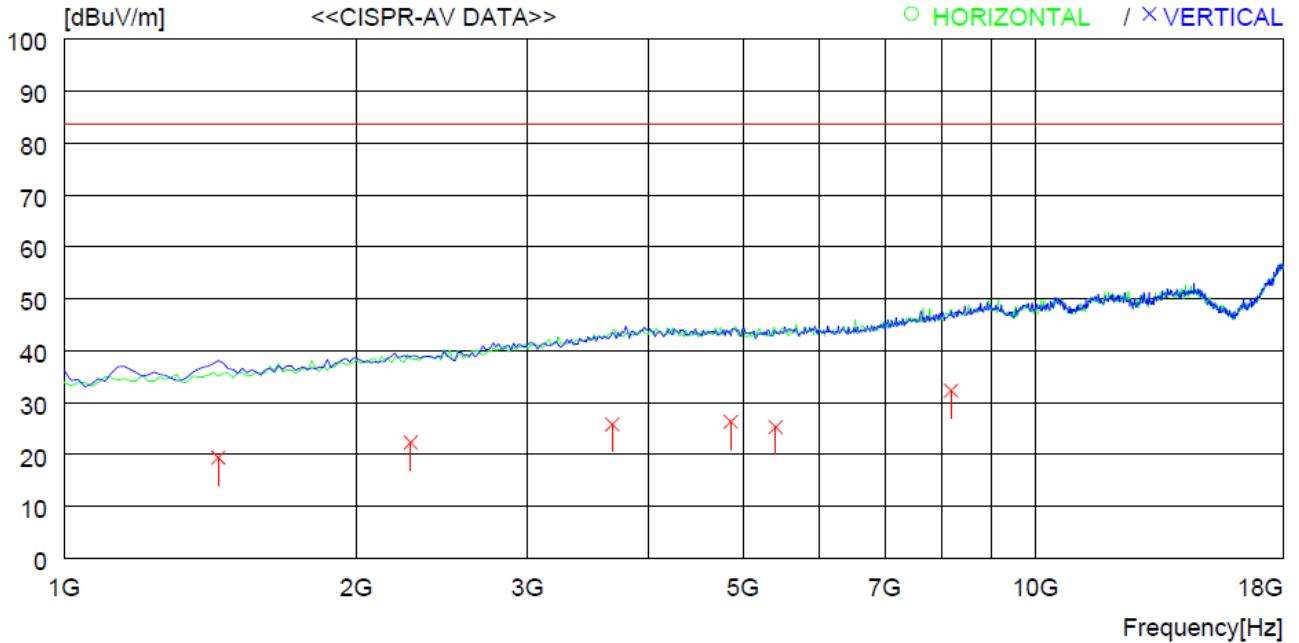
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	61.040	31.0	12.9	2.9	28.4	18.4	73.1	54.7	200	0
2	118.270	31.7	10.2	4.2	28.3	17.8	73.1	55.3	200	0
3	199.750	30.4	10.7	5.5	28.2	18.4	73.1	54.7	100	213
4	285.110	25.2	13.3	6.6	27.8	17.3	73.1	55.8	100	19
5	319.060	23.2	14.0	7.1	27.7	16.6	73.1	56.5	200	0
6	575.139	21.2	18.7	10.1	28.8	21.2	73.1	51.9	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.

Cooking Areas 4	
Frequency range : 1 GHz ~ 18 GHz	Test Date : August 31, 2023
Resolution bandwidth : 1 MHz	Measurement distance : 3 m
Detector Mode : CISPR Average	



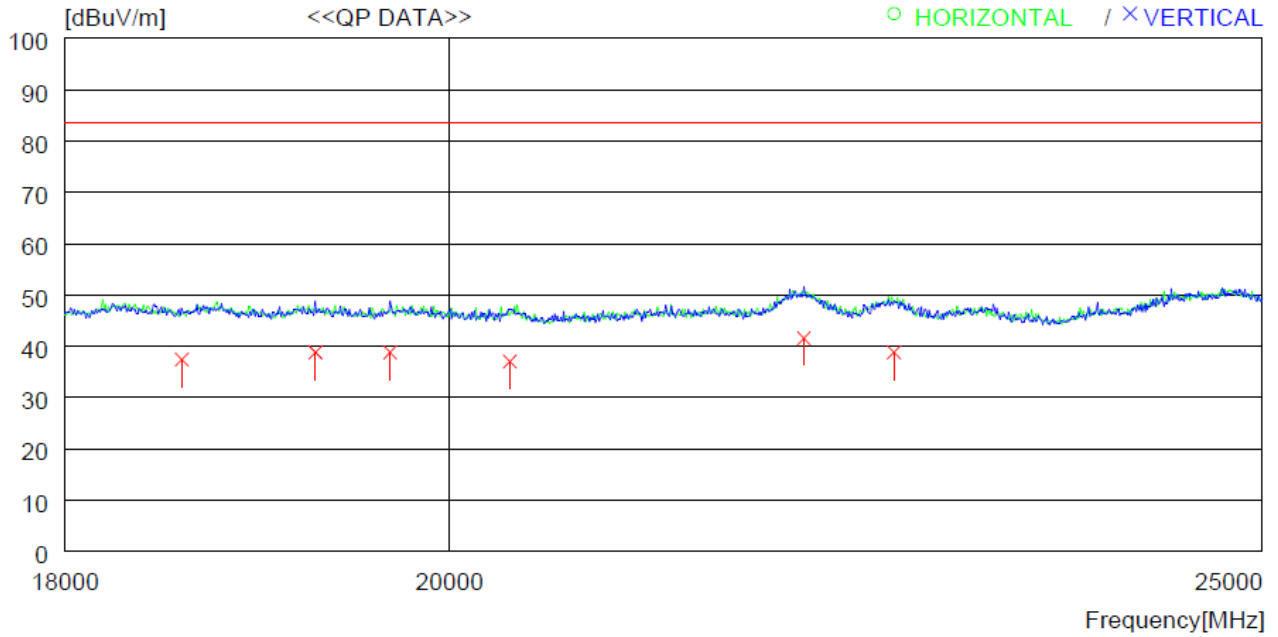
No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	1442.032	31.2	25.1	2.7	39.6	19.4	83.5	64.1	100	359
2	2275.225	30.8	28.0	3.4	39.9	22.3	83.5	61.2	100	359
3	3669.748	29.8	31.6	4.6	40.2	25.8	83.5	57.7	100	359
4	4859.976	28.8	33.0	5.0	40.5	26.3	83.5	57.2	100	136
5	5403.255	26.5	33.9	5.4	40.5	25.3	83.5	58.2	100	280
6	8191.141	29.1	37.7	6.4	40.9	32.3	83.5	51.2	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.

Cooking Areas 4			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: August 31, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



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	18588.230	26.7	40.4	10.1	39.8	37.4	83.5	46.1	100	310
2	19281.480	29.2	40.2	10.2	40.8	38.8	83.5	44.7	100	142
3	19680.250	29.5	40.2	10.4	41.3	38.8	83.5	44.7	100	185
4	20338.140	28.4	40.2	10.5	42.0	37.1	83.5	46.4	100	108
5	22046.320	33.2	40.2	11.1	42.9	41.6	83.5	41.9	100	108
6	22599.120	30.7	40.1	11.0	43.0	38.8	83.5	44.7	100	319

Remark: Margin (dB) = Limit – Result

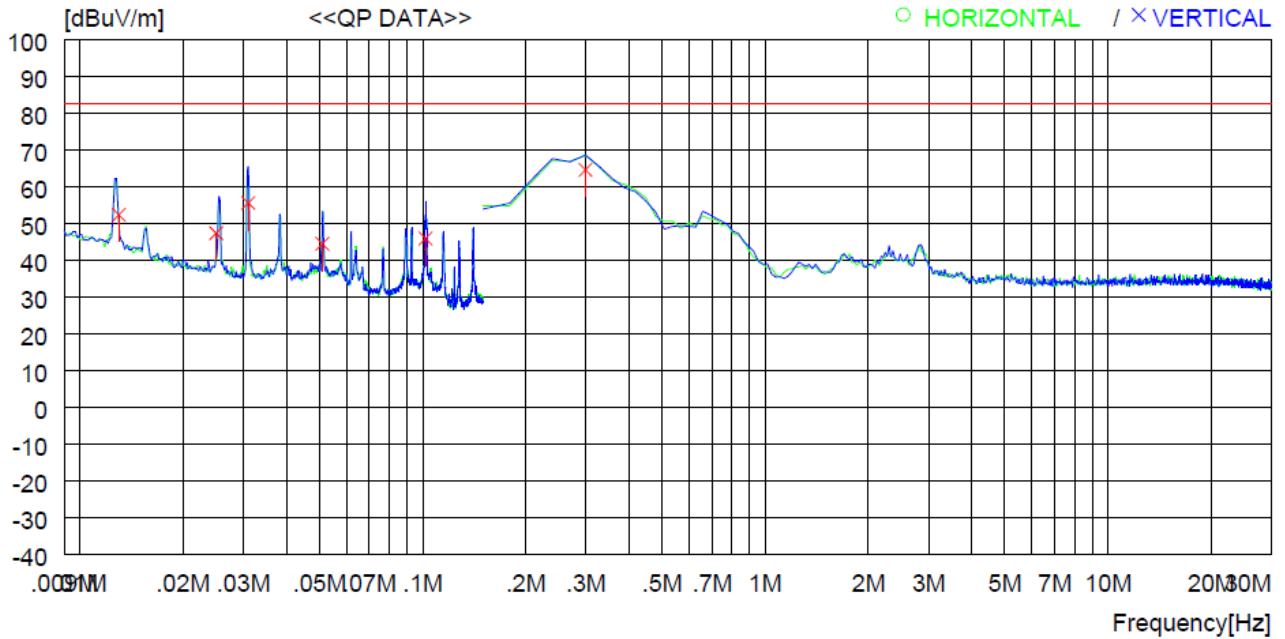
Result = Reading CISPR-Average + Antenna Factor + Loss – Gain

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

**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	: August 31, 2023
Resolution bandwidth	: 200 Hz, 9 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



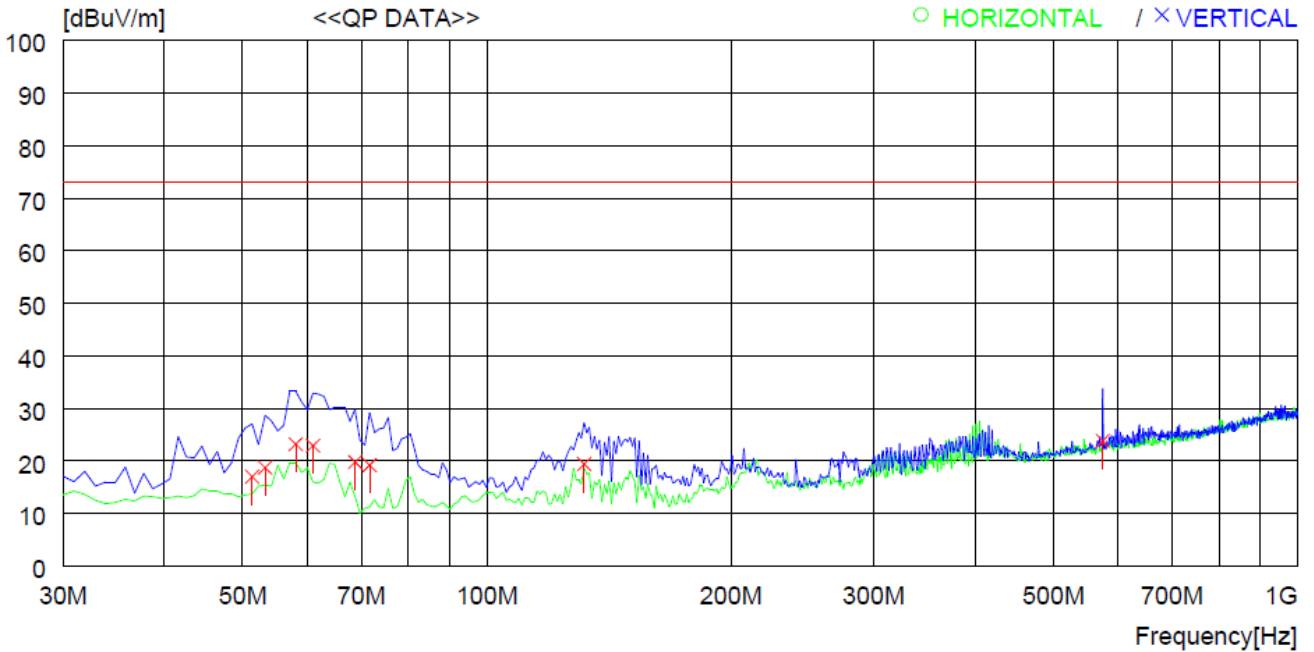
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	0.013	32.0	20.2	0.2	0.0	52.4	82.6	30.2	100	0
2	0.025	26.3	20.8	0.3	0.0	47.4	82.6	35.2	100	359
3	0.031	34.3	21.0	0.3	0.0	55.6	82.6	27.0	100	25
4	0.051	23.2	21.0	0.3	0.0	44.5	82.6	38.1	100	269
5	0.102	24.5	21.1	0.3	0.0	45.9	82.6	36.7	100	260
6	0.299	43.3	21.1	0.3	0.0	64.7	82.6	17.9	100	356

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.

Cooking Areas 1	
Frequency range : 30 MHz ~ 1 000 MHz	Test Date : August 31, 2023
Resolution bandwidth : 120 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



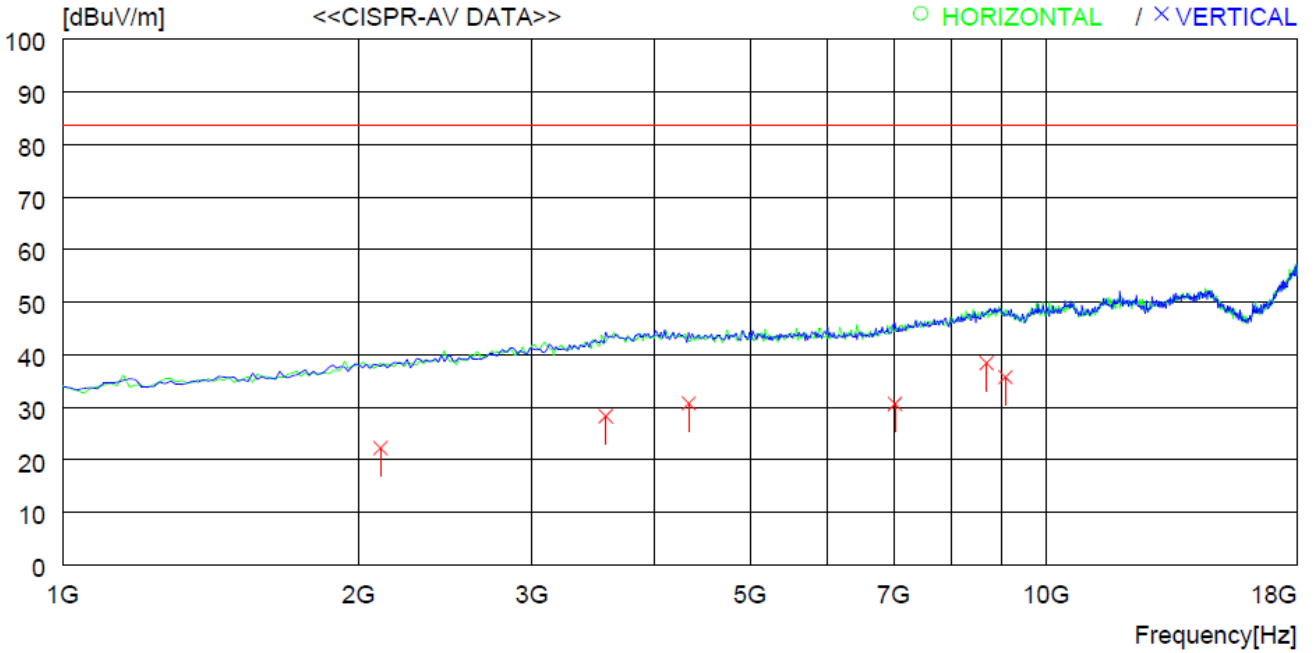
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	51.340	28.9	13.8	2.7	28.4	17.0	73.1	56.1	100	0
2	53.280	30.6	13.7	2.8	28.4	18.7	73.1	54.4	100	0
3	58.130	35.4	13.3	2.9	28.4	23.2	73.1	49.9	200	359
4	61.040	35.5	12.9	2.9	28.4	22.9	73.1	50.2	100	284
5	68.800	34.5	10.4	3.2	28.3	19.8	73.1	53.3	100	308
6	71.710	34.7	9.6	3.2	28.3	19.2	73.1	53.9	200	359
7	131.850	34.2	9.0	4.4	28.2	19.4	73.1	53.7	100	0
8	575.139	23.8	18.7	10.1	28.8	23.8	73.1	49.3	100	191

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.

Cooking Areas 1	
Frequency range : 1 GHz ~ 18 GHz	Test Date : August 31, 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	2105.350	31.2	27.6	3.2	39.8	22.2	83.5	61.3	100	0
2	3567.426	32.6	31.3	4.6	40.2	28.3	83.5	55.2	100	0
3	4332.387	33.8	32.5	4.8	40.4	30.7	83.5	52.8	100	2
4	7018.545	30.1	35.3	6.0	40.8	30.6	83.5	52.9	100	0
5	8701.025	34.1	38.5	6.7	40.9	38.4	83.5	45.1	100	260
6	9092.142	31.2	38.5	6.9	40.9	35.7	83.5	47.8	100	0

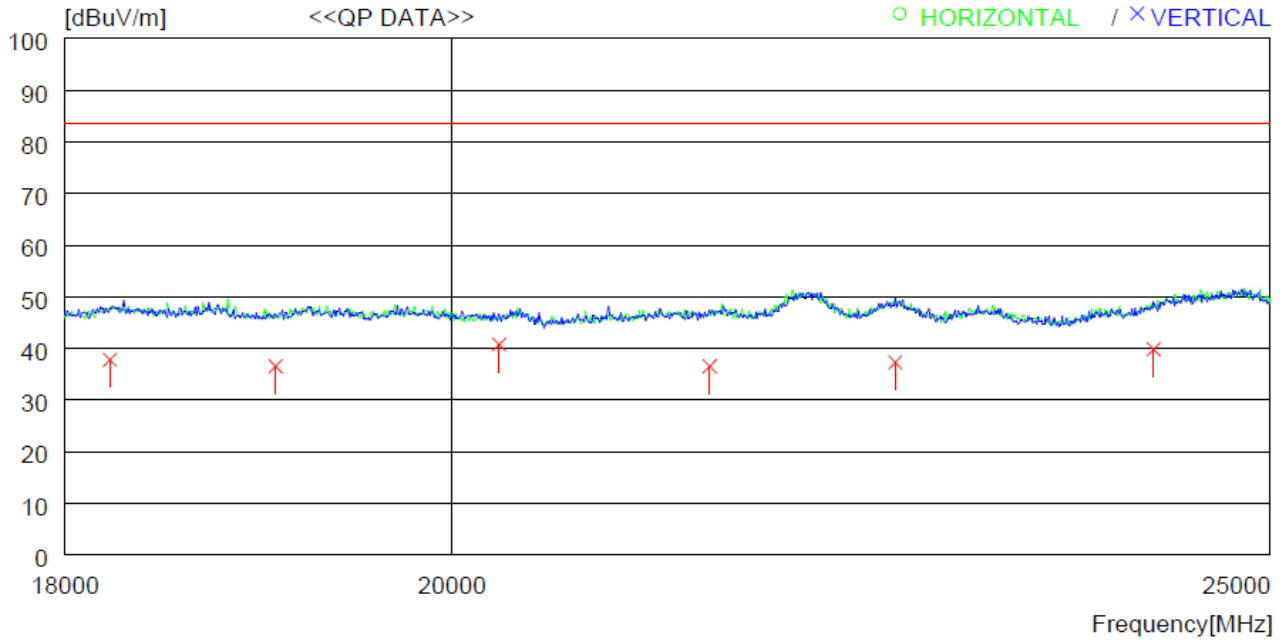
Remark: Margin (dB) = Limit – Result

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

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



Cooking Areas 1			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: August 31, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



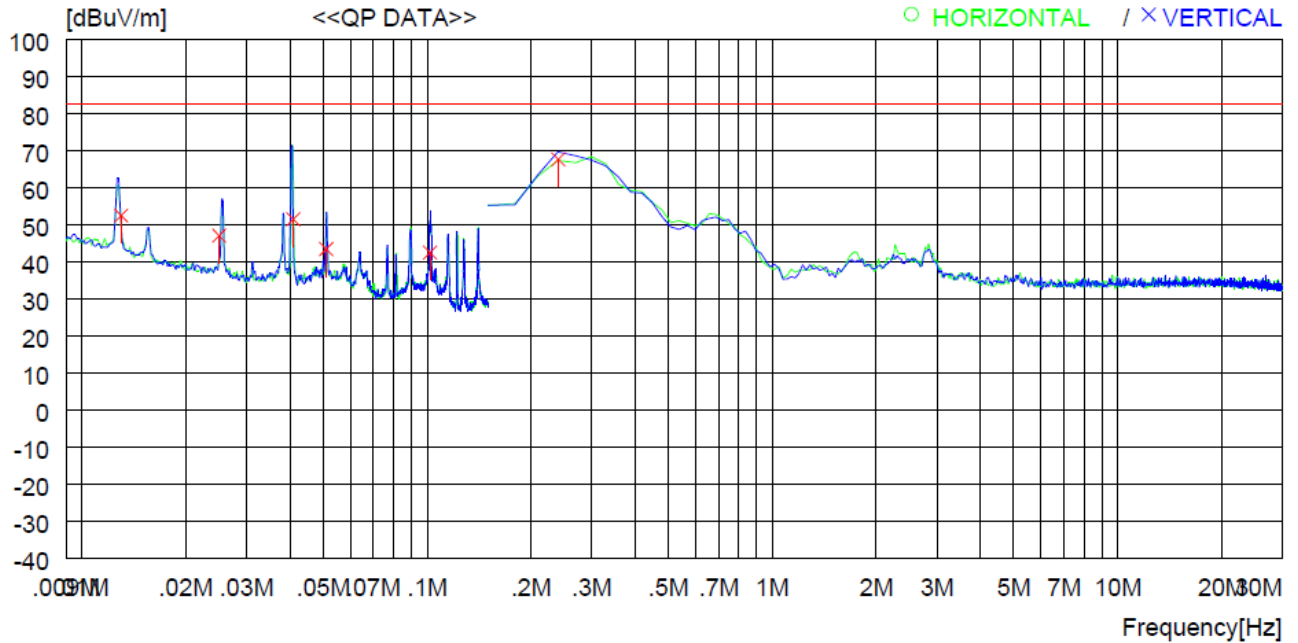
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	18224.120	27.2	40.3	9.9	39.6	37.8	83.5	45.7	100	58
2	19064.550	26.5	40.3	10.3	40.5	36.6	83.5	46.9	100	58
3	21458.230	28.1	40.3	10.7	42.5	36.6	83.5	46.9	100	58
4	22571.720	29.2	40.1	11.0	43.0	37.3	83.5	46.2	100	166
5	24216.860	31.8	40.1	11.2	43.2	39.9	83.5	43.6	100	58
6	20261.020	32.0	40.2	10.5	41.9	40.8	83.5	42.7	100	282

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.

Cooking Areas 2	
Frequency range : 9 kHz ~ 30 MHz	Test Date : August 31, 2023
Resolution bandwidth : 200 Hz, 9 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



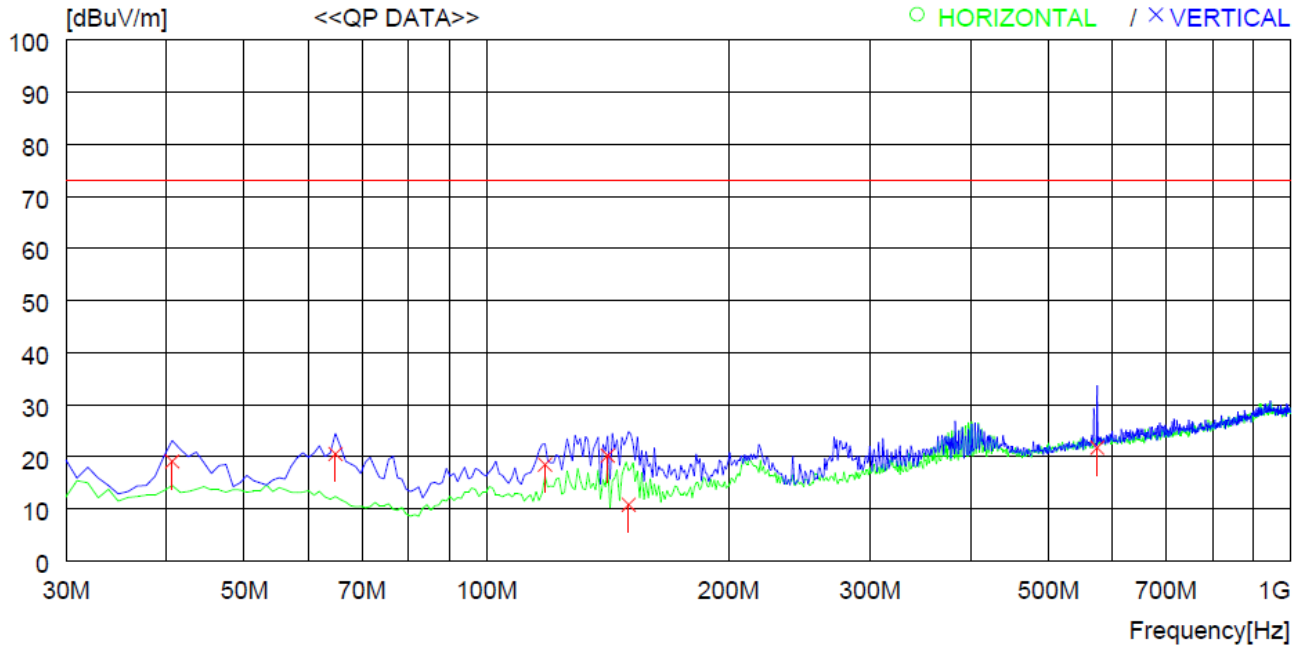
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	0.013	32.1	20.2	0.2	0.0	52.5	82.6	30.1	100	359
2	0.025	26.0	20.8	0.3	0.0	47.1	82.6	35.5	100	112
3	0.041	30.2	21.0	0.3	0.0	51.5	82.6	31.1	100	359
4	0.051	22.2	21.0	0.3	0.0	43.5	82.6	39.1	100	359
5	0.102	21.2	21.1	0.3	0.0	42.6	82.6	40.0	100	359
6	0.240	46.3	21.1	0.3	0.0	67.7	82.6	14.9	100	321

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.

Cooking Areas 2	
Frequency range : 30 MHz ~ 1 000 MHz	Test Date : August 31, 2023
Resolution bandwidth : 120 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



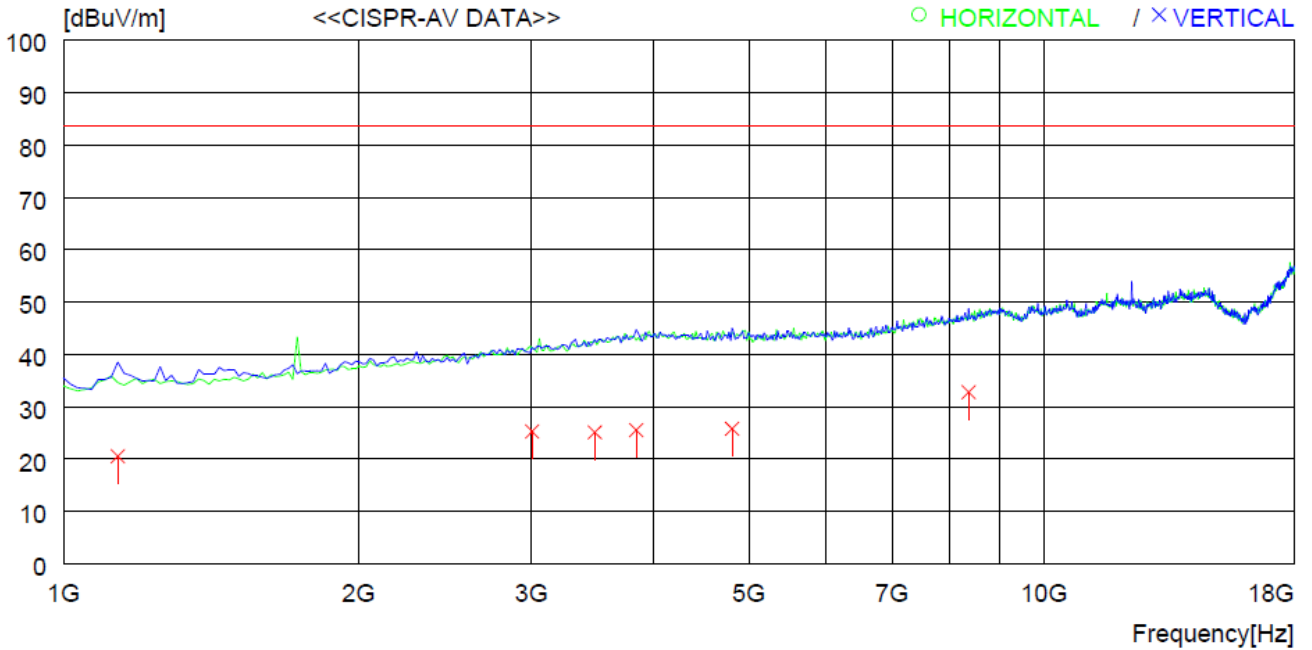
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	40.670	31.4	13.7	2.4	28.4	19.1	73.1	54.0	200	303
2	64.920	34.1	11.6	3.1	28.3	20.5	73.1	52.6	100	0
3	118.270	32.4	10.2	4.2	28.3	18.5	73.1	54.6	100	0
4	141.550	35.5	8.3	4.6	28.2	20.2	73.1	52.9	100	287
5	150.280	25.6	8.6	4.8	28.2	10.8	73.1	62.3	100	0
6	575.139	21.7	18.7	10.1	28.8	21.7	73.1	51.4	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.

Cooking Areas 2	
Frequency range : 1 GHz ~ 18 GHz	Test Date : August 31, 2023
Resolution bandwidth : 1 MHz	Measurement distance : 3 m
Detector Mode : CISPR Average	



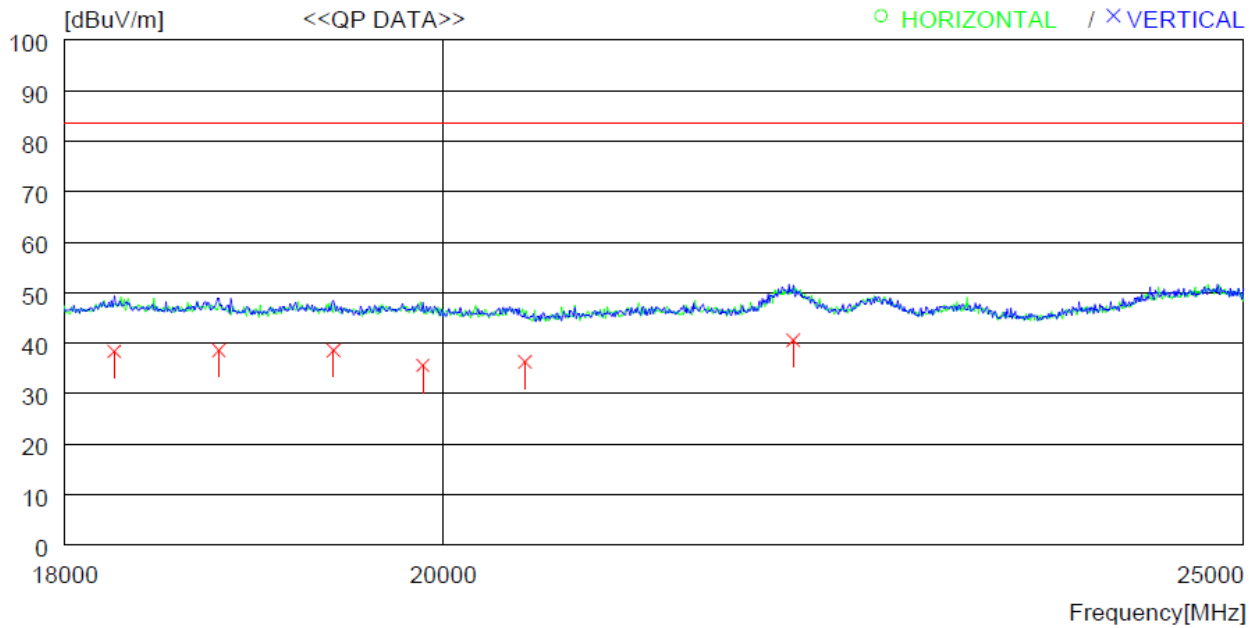
No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	1136.230	33.2	24.4	2.4	39.5	20.5	83.5	63.0	100	141
2	3006.080	31.5	30.0	3.9	40.1	25.3	83.5	58.2	100	84
3	3482.110	29.8	31.1	4.4	40.2	25.1	83.5	58.4	100	0
4	3839.215	29.2	32.1	4.5	40.3	25.5	83.5	58.0	100	218
5	4808.434	28.3	33.0	5.0	40.5	25.8	83.5	57.7	100	5
6	8378.225	29.1	38.1	6.5	40.9	32.8	83.5	50.7	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.

Cooking Areas 2			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: August 31, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



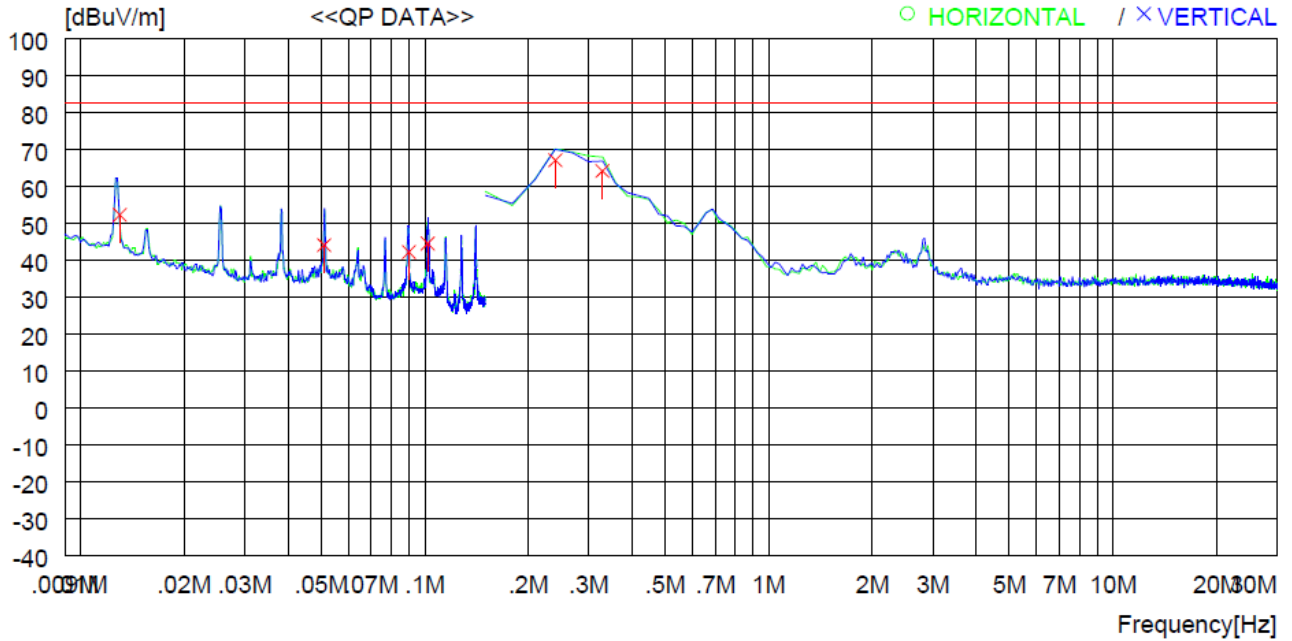
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	18252.320	27.8	40.3	10.0	39.7	38.4	83.5	45.1	100	17
2	18791.480	28.2	40.3	10.2	40.1	38.6	83.5	44.9	100	228
3	19400.750	29.2	40.2	10.2	41.0	38.6	83.5	44.9	100	59
4	19890.380	26.3	40.3	10.6	41.6	35.6	83.5	47.9	100	17
5	20464.420	27.8	40.2	10.4	42.1	36.3	83.5	47.2	100	255
6	22053.200	32.2	40.2	11.1	42.9	40.6	83.5	42.9	100	93

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.

Cooking Areas 3	
Frequency range : 9 kHz ~ 30 MHz	Test Date : August 31, 2023
Resolution bandwidth : 200 Hz, 9 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



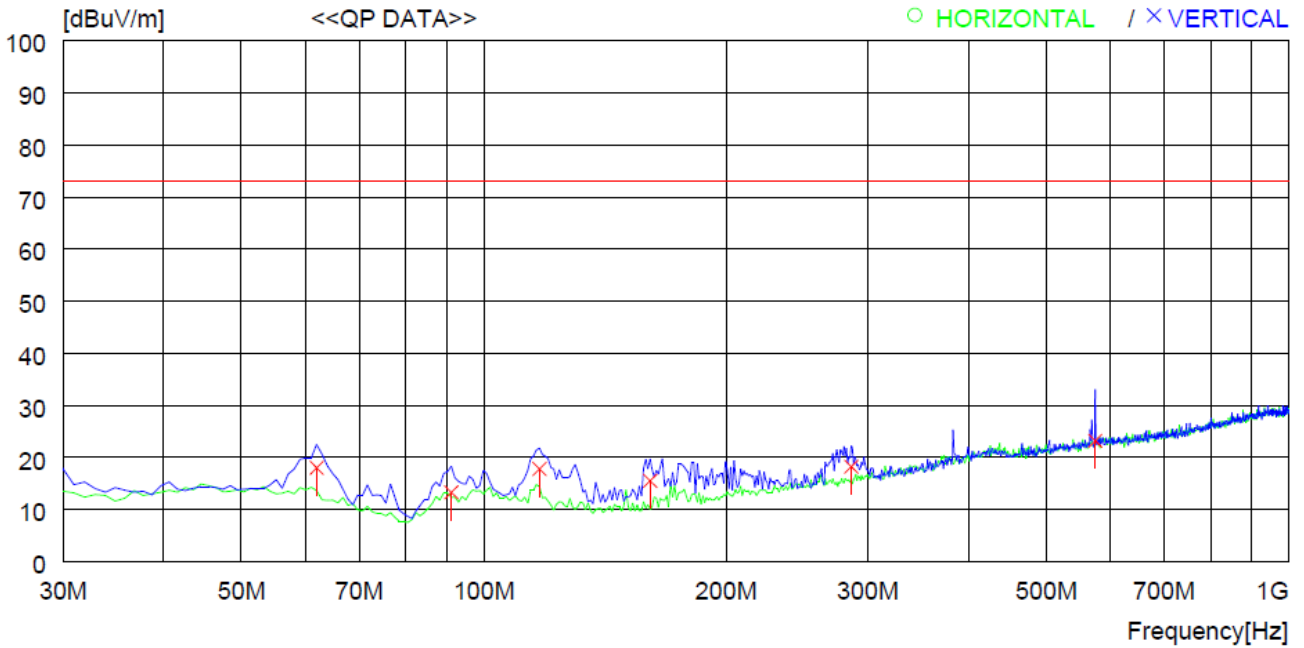
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	0.013	31.9	20.2	0.2	0.0	52.3	82.6	30.3	100	359
2	0.051	22.8	21.0	0.3	0.0	44.1	82.6	38.5	100	359
3	0.090	20.8	21.1	0.3	0.0	42.2	82.6	40.4	100	359
4	0.102	23.1	21.1	0.3	0.0	44.5	82.6	38.1	100	189
5	0.240	45.7	21.1	0.3	0.0	67.1	82.6	15.5	100	0
6	0.329	42.8	21.1	0.3	0.0	64.2	82.6	18.4	100	22

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.

Cooking Areas 3	
Frequency range : 30 MHz ~ 1 000 MHz	Test Date : August 31, 2023
Resolution bandwidth : 120 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



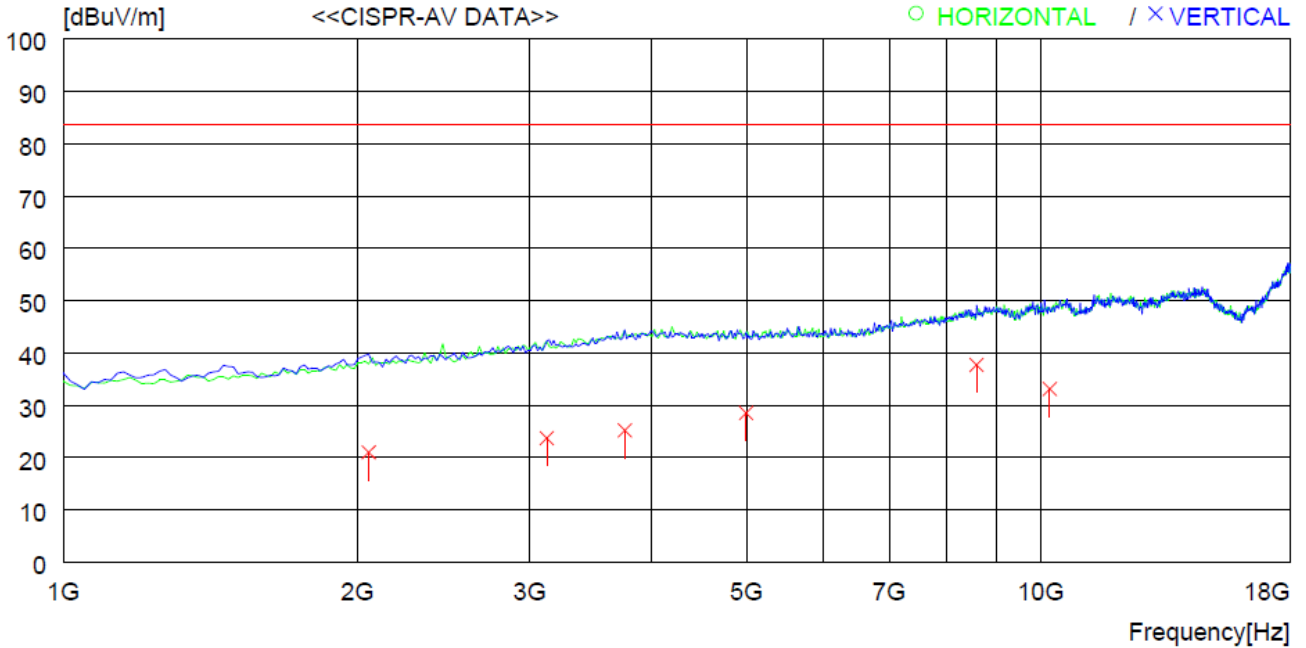
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	62.010	30.8	12.6	3.0	28.4	18.0	73.1	55.1	200	51
2	91.110	27.3	10.7	3.6	28.3	13.3	73.1	59.8	200	359
3	117.300	31.6	10.4	4.1	28.3	17.8	73.1	55.3	200	359
4	160.950	30.0	8.8	4.9	28.2	15.5	73.1	57.6	200	359
5	286.080	26.1	13.3	6.6	27.8	18.2	73.1	54.9	100	0
6	575.139	23.2	18.7	10.1	28.8	23.2	73.1	49.9	100	8

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.

Cooking Areas 3	
Frequency range : 1 GHz ~ 18 GHz	Test Date : August 31, 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	2054.130	30.1	27.5	3.2	39.8	21.0	83.5	62.5	100	359
2	3125.420	29.5	30.3	4.0	40.1	23.7	83.5	59.8	100	140
3	3754.525	29.1	31.9	4.5	40.3	25.2	83.5	58.3	100	199
4	4995.485	30.6	33.3	5.1	40.5	28.5	83.5	55.0	100	359
5	8599.915	33.5	38.4	6.7	40.9	37.7	83.5	45.8	100	165
6	10214.330	28.7	38.1	7.3	41.0	33.1	83.5	50.4	100	299

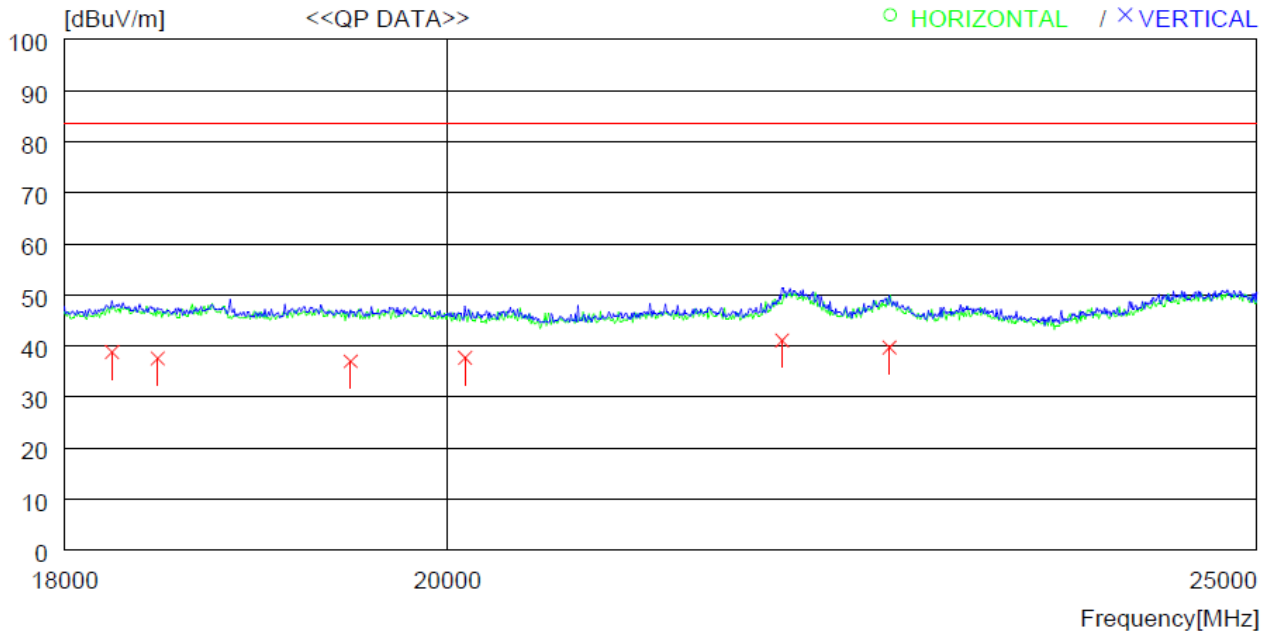
Remark: Margin (dB) = Limit – Result

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

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



Cooking Areas 3			
Frequency range	: 18 GHz ~ 25 GHz	Test Date	: August 31, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



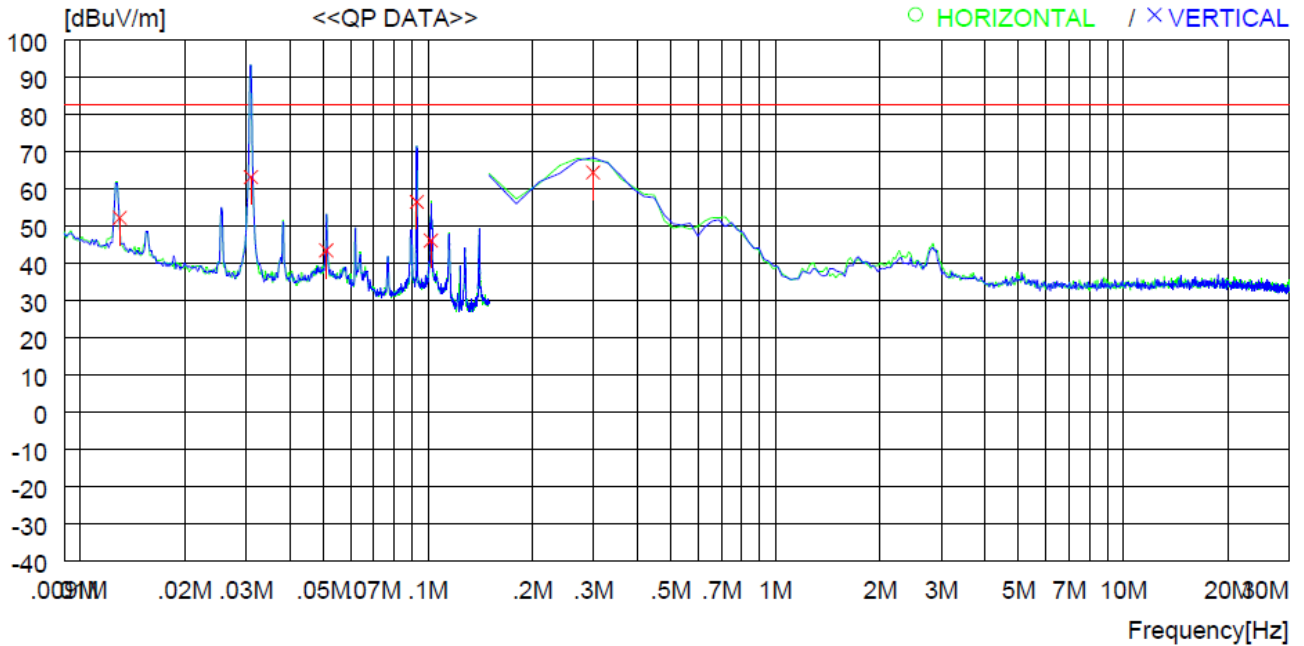
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	18238.520	28.2	40.3	9.9	39.6	38.8	83.5	44.7	100	221
2	18469.480	26.9	40.4	10.0	39.7	37.6	83.5	45.9	100	359
3	19477.150	27.7	40.2	10.2	41.1	37.0	83.5	46.5	100	273
4	20100.320	28.6	40.3	10.6	41.8	37.7	83.5	45.8	100	172
5	21934.850	32.7	40.2	11.0	42.8	41.1	83.5	42.4	100	163
6	22592.910	31.6	40.1	11.0	43.0	39.7	83.5	43.8	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.

Cooking Areas 4	
Frequency range : 9 kHz ~ 30 MHz	Test Date : August 31, 2023
Resolution bandwidth : 200 Hz, 9 kHz	Measurement distance : 10 m
Detector Mode : Quasi Peak	



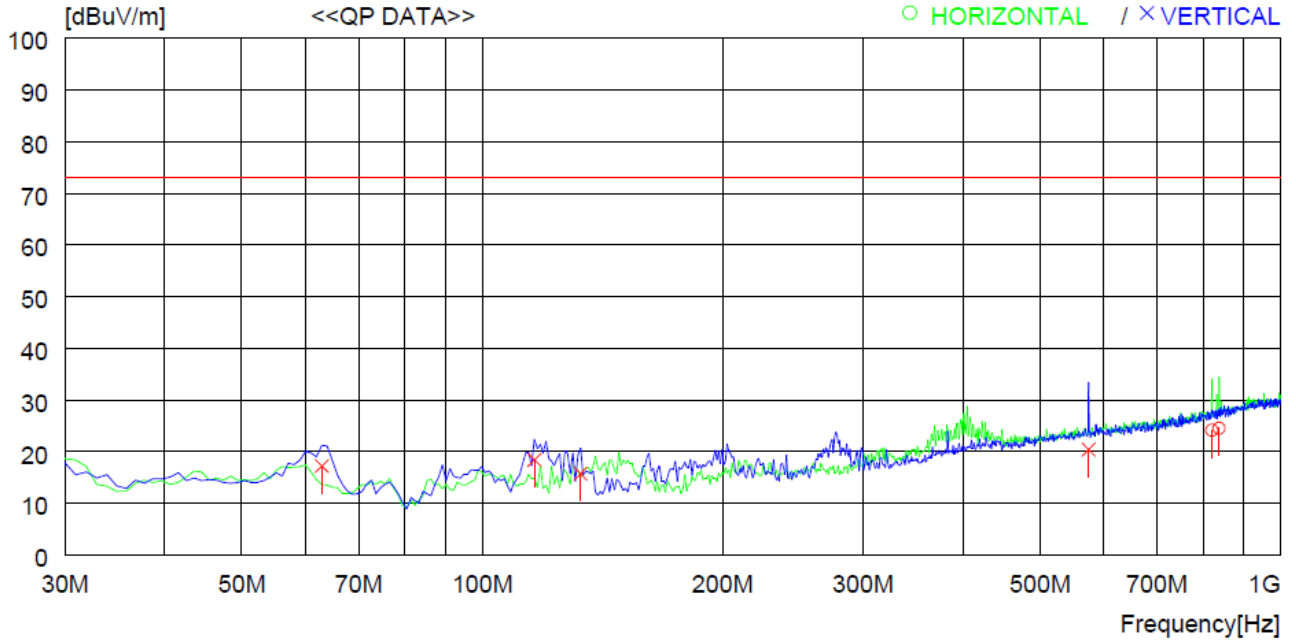
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Vertical -----										
1	0.013	31.8	20.2	0.2	0.0	52.2	82.6	30.4	100	359
2	0.031	41.9	21.0	0.3	0.0	63.2	82.6	19.4	100	41
3	0.051	22.2	21.0	0.3	0.0	43.5	82.6	39.1	100	320
4	0.093	35.1	21.1	0.3	0.0	56.5	82.6	26.1	100	359
5	0.102	24.7	21.1	0.3	0.0	46.1	82.6	36.5	100	348
6	0.299	43.0	21.1	0.3	0.0	64.4	82.6	18.2	100	165

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.

Cooking Areas 4			
Frequency range	: 30 MHz ~ 1 000 MHz	Test Date	: August 31, 2023
Resolution bandwidth	: 120 kHz	Measurement distance	: 10 m
Detector Mode	: Quasi Peak		



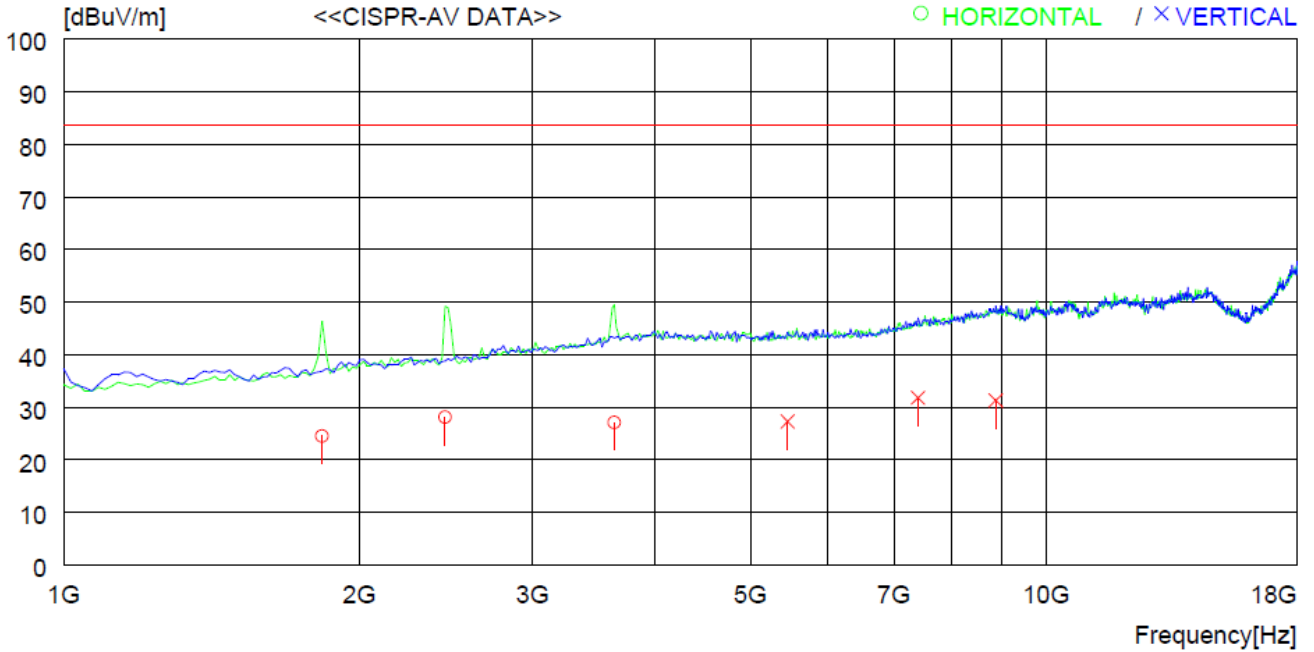
No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	820.541	19.5	20.9	12.1	28.4	24.1	73.1	49.0	300	34
2	838.001	19.6	21.2	12.1	28.4	24.5	73.1	48.6	300	359
----- Vertical -----										
3	62.980	30.4	12.2	3.0	28.4	17.2	73.1	55.9	200	0
4	116.330	32.1	10.5	4.1	28.3	18.4	73.1	54.7	100	68
5	132.820	30.5	8.9	4.5	28.2	15.7	73.1	57.4	200	0
6	575.139	20.4	18.7	10.1	28.8	20.4	73.1	52.7	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.

Cooking Areas 4			
Frequency range	: 1 GHz ~ 18 GHz	Test Date	: August 31, 2023
Resolution bandwidth	: 1 MHz	Measurement distance	: 3 m
Detector Mode	: CISPR Average		



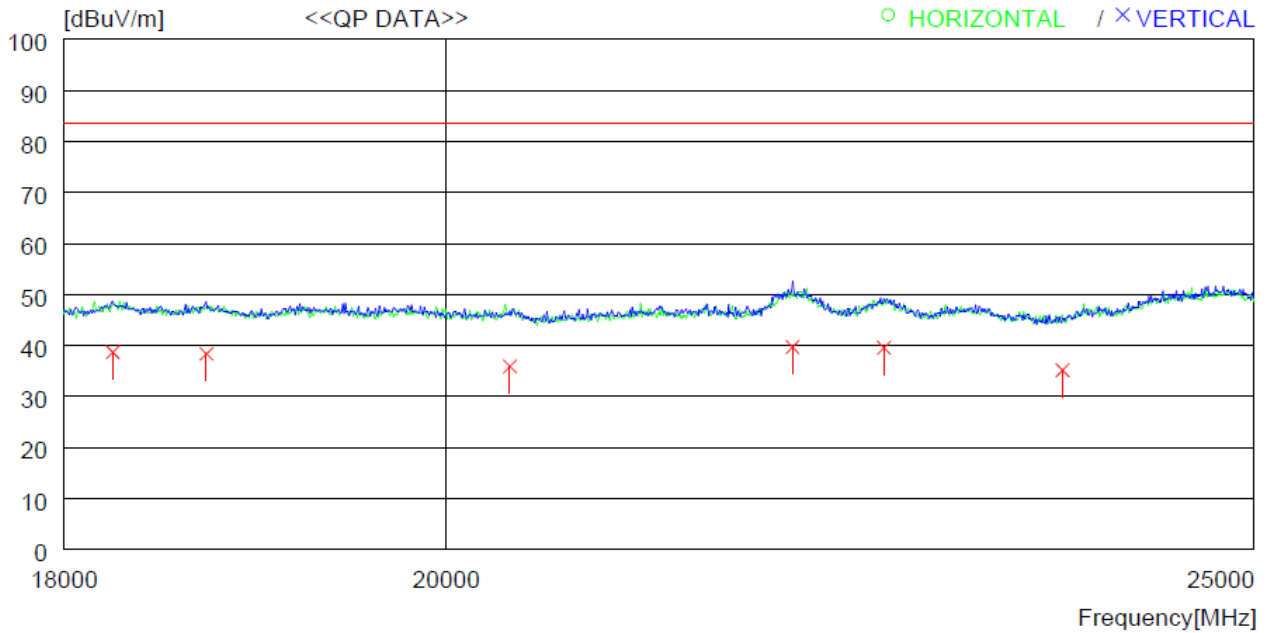
No.	FREQ [MHz]	READING CAV [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	1833.042	34.5	26.7	3.0	39.7	24.5	83.5	59.0	100	359
2	2445.380	36.2	28.3	3.5	39.9	28.1	83.5	55.4	100	359
3	3635.255	31.2	31.5	4.6	40.2	27.1	83.5	56.4	100	359
----- Vertical -----										
4	5454.650	28.4	33.9	5.5	40.5	27.3	83.5	56.2	100	0
5	7409.742	29.9	36.4	6.3	40.8	31.8	83.5	51.7	100	193
6	8888.255	26.8	38.6	6.8	40.9	31.3	83.5	52.2	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.

Cooking Areas 4	
Frequency range : 18 GHz ~ 25 GHz	Test Date : August 31, 2023
Resolution bandwidth : 1 MHz	Measurement distance : 3 m
Detector Mode : CISPR Average	



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	18245.260	28.1	40.3	9.9	39.6	38.7	83.5	44.8	100	271
2	18721.840	27.9	40.4	10.1	40.0	38.4	83.5	45.1	100	359
3	20359.370	27.2	40.2	10.5	42.0	35.9	83.5	47.6	100	188
4	22011.220	31.3	40.2	11.1	42.9	39.7	83.5	43.8	100	359
5	22571.850	31.5	40.1	11.0	43.0	39.6	83.5	43.9	100	359
6	23712.120	27.4	40.0	10.9	43.1	35.2	83.5	48.3	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.

## 6. SAMPLE CALCULATIONS

$$\text{dB}\mu\text{V} = 20 \text{Log}_{10}(\mu\text{V})$$

$$\text{Margin} = \text{Limit} - \text{Result}$$

- . Example 1: 0.22400 MHz

Limit	= 52.7 dB $\mu$ V (CISPR Average)
Reading	= 26.6 dB $\mu$ V
Correction Factor	= Cable Loss + Pulse Limiter
	= 21.6 dB
Total	= 48.2 dB $\mu$ V
Margin	= 52.7 dB $\mu$ V – 48.2 dB $\mu$ V
	= 4.5 dB

- . Example 2: 0.269 MHz

Limit	= 82.6 dB $\mu$ V/m (Quasi-peak)
Reading	= 46.3 dB $\mu$ V
Correction Factor	= Antenna Factor (21.1 dB/m) + Cable Loss (0.3 dB) - Amp. Gain (0.0 dB)
	= 21.4 dB
Total	= 67.7 dB $\mu$ V/m
Margin	= 82.6 dB $\mu$ V/m – 67.7 dB $\mu$ V/m
	= 14.9 dB