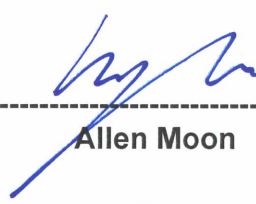


FCC TEST REPORT

Job No. : GPWE2304000055EC
Applicant : LG Electronics USA, Inc.
Equipment Under Test (EUT) :
Product Name : HOUSEHOLD COOKTOP
Model Name : CBIS3618B
FCC Authorization Type : Certification
Applied Standards : FCC Part 18
FCC ID : BEJQ50941G
Date of Receipt : April 13, 2023
Date of Test : April 26, 2023 ~ April 27, 2023
Date of Issue : May 4, 2023
Test Results : Complied

Tested by :


Allen Moon

Reviewed by :


Julia Choi

This test report does not assure KOLAS accreditation.

1) The results of this test report are effective only to the items tested.

2) The SGS Korea is not responsible for the sampling, the results of this test report apply to the sample as received.

Remarks :

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full.

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Revision History

Revision	Report number	Description
0	F690501-RF-EMC001365	Initial
1		
2		

1. General Information

1.1 Client Information

Applicant	LG Electronics USA, Inc.
Applicant Address	111 Sylvan Avenue North Building Englewood Cliffs, NJ 07632
Manufacturer	LG Electronics Inc.
Manufacturer Address	170, Seongsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, 51553, Rep. of Korea

1.2 Test Laboratory

Name and Address	SGS Korea Co., Ltd.
- Giheung Laboratory	35, Giheungdanji-ro 121beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea
- Gunpo Laboratory	4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, 15807, Republic of Korea
- Dongtan Laboratory	12, Dongtansandan 10-gil, Hwaseong-si, Gyeonggi-do, 18487, Republic of Korea
FCC Registration No.	KR0150
Phone	+ 82 31 548 0710
Fax	+ 82 31 548 0719
e-mail	julia.choi@sgs.com

1.3 General Information of E.U.T.

Classification	Specification
Product Name	HOUSEHOLD COOKTOP
Model Name	CBIS3618B
Serial No.	-
Rated Power	208/240 V~, 60 Hz, 44.4 A / 41.6A, 10650 W / 8650 W
Test Voltage	208 V~, 60 Hz(Level 9 Mode), 240 V~, 60 Hz(Boost Mode)
Induction Heating Operating Frequency	30 – 65 kHz
Installed Wireless Module	LCW-009
H/W Version	V 1.0
S/W Version	V 1.0
Port	AC IN
Components	-
Function	A electric stove using induction coil

1.4 Operating Modes and Conditions

Operating mode	Operating Condition
1) 208 V Left Rear Cooking Zone Level 9 Operating	A state that a 208V power applied, a pot filled with water in level 9 is being heated in the left rear cooking zone and Wi-Fi is on.
2) 208 V Left Front Cooking Zone Level 9 Operating	A state that a 208V power applied, a pot filled with water in level 9 is being heated in the left front cooking zone and Wi-Fi is on.
3) 208 V Right Front Cooking Zone Level 9 Operating	A state that a 208V power applied, a pot filled with water in level 9 is being heated in the right front cooking zone and Wi-Fi is on.
4) 208 V Right Rear Cooking Zone Level 9 Operating	A state that a 208V power applied, a pot filled with water in level 9 is being heated in the right rear cooking zone and Wi-Fi is on.
5) 208 V Dual Cooking Zone Level 9 Operating	A state that a 208V power applied, a pot filled with water in level 9 is being heated in the dual cooking zone and Wi-Fi is on.
6) 240 V Left Rear Cooking Zone Boost Operating	A state that a 240V power applied, a pot filled with water in boost is being heated in the dual cooking zone and Wi-Fi is on.
7) 240 V Left Front Cooking Zone Boost Operating	A state that a 240V power applied, a pot filled with water in boost is being heated in the left front cooking zone and Wi-Fi is on.

8) 240 V Right Front Cooking Zone Boost Operating	A state that a 240V power applied, a pot filled with water in boost is being heated in the right front cooking zone and Wi-Fi is on.
9) 240 V Right Rear Cooking Zone Boost Operating	A state that a 240V power applied, a pot filled with water in boost is being heated in the right rear cooking zone and Wi-Fi is on.
10) 240 V Dual Cooking Zone Operating	A state that a 240V power applied, a pot filled with water in boost is being heated in the dual cooking zone and Wi-Fi is on.

1.5 Peripheral Equipments

Description	Model	Serial No.	Manufacturer	Note.
-	-	-	-	-

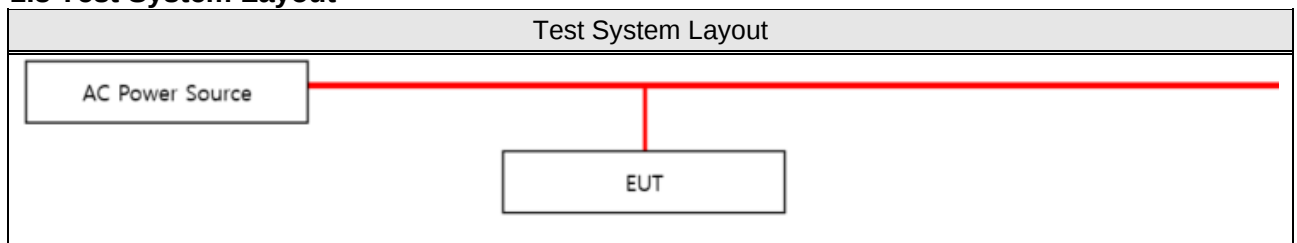
1.6 Cable List

Start		END		Cable Spec.		Used core
Name	I/O Port	Name	I/O Port	Length (m)	Shield	
EUT	AC IN	AC Power Source	-	1.2	Unshield	No

1.7 System Configurations

Description	Model	Serial No.	Manufacturer	Note
WLAN Module	LCW-009	-	LG Electronics Inc.	FCC ID : BEJ-LCW009
Dual Inverter PCB	-	-	LG Electronics Inc.	-
LCD PCB	-	-	LG Electronics Inc.	-
Main PCB	-	-	LG Electronics Inc.	-
Noise Filter PCB	-	-	LG Electronics Inc.	3 EA
Power PCB 1	-	-	LG Electronics Inc.	-
Power PCB 2	-	-	LG Electronics Inc.	-
Single Inverter PCB	-	-	LG Electronics Inc.	-

1.8 Test System Layout



1.9 Modifications/Notes

- Wi-Fi On and tested due to manufacturer's request.

1.10 Applicable Standards for Testing

Standards	Status	Deviation
FCC Part 18	Applicable	No Deviation

1.11 Summary of Test Results

Test Item	Standards	Results
Conducted Emission	FCC Part 18 Subpart C Section 18.307 MP-5	Complied
Radiated Emission	FCC Part 18 Subpart C Section 18.305 MP-5	Complied

Note: Test methods of all test items are performed according to the basic standards in this table.

EMISSION

2.1 Test Results

Test Items	Standards	Test Results
Conducted Emission	FCC Part 18 Subpart C Section 18.307 MP-5	Complied
Radiated Emission	FCC Part 18 Subpart C Section 18.305 MP-5	Complied

2.2 Test Method and Limits

2.2.1 Test Method

Test Items	Measuring Frequency Range	RBW	Measuring Distance
Conducted Emission	9 kHz ~ 30 MHz	9 kHz	-
Radiated Emission	9 kHz ~ 150 kHz	200 Hz	10 m
	150 kHz ~ 30 MHz	9 kHz	10 m
	30 MHz ~ 1 GHz	120 kHz	10 m
	Above 1 GHz	1 MHz	10 m

2.2.2 Test Limits

-Conducted Emission Limits

Frequency Range(MHz)	Limits(dBμV)	
	Quasi-peak	Average
0.009 – 0.05	110	
0.05 – 0.15	90 - 80 Note	
0.15 – 0.5	66 - 56 Note	56 - 46
0.5 – 5	56	46
5 – 30	60	50

Note : Decrease with the logarithm of the frequency.

-Radiated Emission Limits

Frequency Range(MHz)	Limits(dBμV/m)
	Quasi-peak
0.009 – 30	86.87

* Test frequency range is from 0.009 MHz to 30 MHz since the highest internal operating frequency is 65 kHz.

* Limit Calculations

Step1) Field Strength Limit (μV/m) = 1,500 (μV/m) = 63.5 (dBμV/m) at 30 m

Step2) 63.5 (dBμV/m) + (extrapolation factor) * log(30/10) = 86.87 (dBμV/m) at 10 m

Distance extrapolation factor = [FS(d2) – FS(d1)] / log₁₀(d1/d2) where

- d1 and d2 are the measurement distance (d2 > d1) in m

- FS(d1) is the field strength at d1 in dBμV/m

- FS(d2) is the field strength at d1 in dBμV/m

Distance	Ant pol.	Frequency	Reading
3 m	V	0.042	107.95
5 m	V	0.042	93.28
10 m	V	0.042	78.53

3 m to 5 m	66.12
3 m to 10 m	56.26
5 m to 10 m	48.99

2.3 Conducted Disturbance

The initial preliminary exploratory scans were performed over the measuring frequency range(9 kHz to 30 MHz) using a max hold mode incorporating a Peak detector and Average detector and using the EMI measuring software. The final test data was measured using a Quasi-Peak detector and Average detector.

Note. Measuring software

- Giheung Lab.: EMC32(V10.40.10) from R&S
- Gunpo Lab.: EMC32(V10.60.20) from R&S
- Dongtan Lab.: EMC32(V10.40.00) from R&S

2.3.1 Test Equipments

Equipment	Model	Manufacturer	Serial No	Cal Due. Date
EMI TEST RECEIVER	ESW8	R&S	101318	2024.01.13
PULSE LIMITER	ESH3-Z2	R&S	100850	2024.04.14
4 Path V-LISN	NNLK 8129	SCHWARZBECK	8129-468	2024.04.17
EMD-CE-01	W21.09	-	-	2023.07.13

2.3.2 Test Site

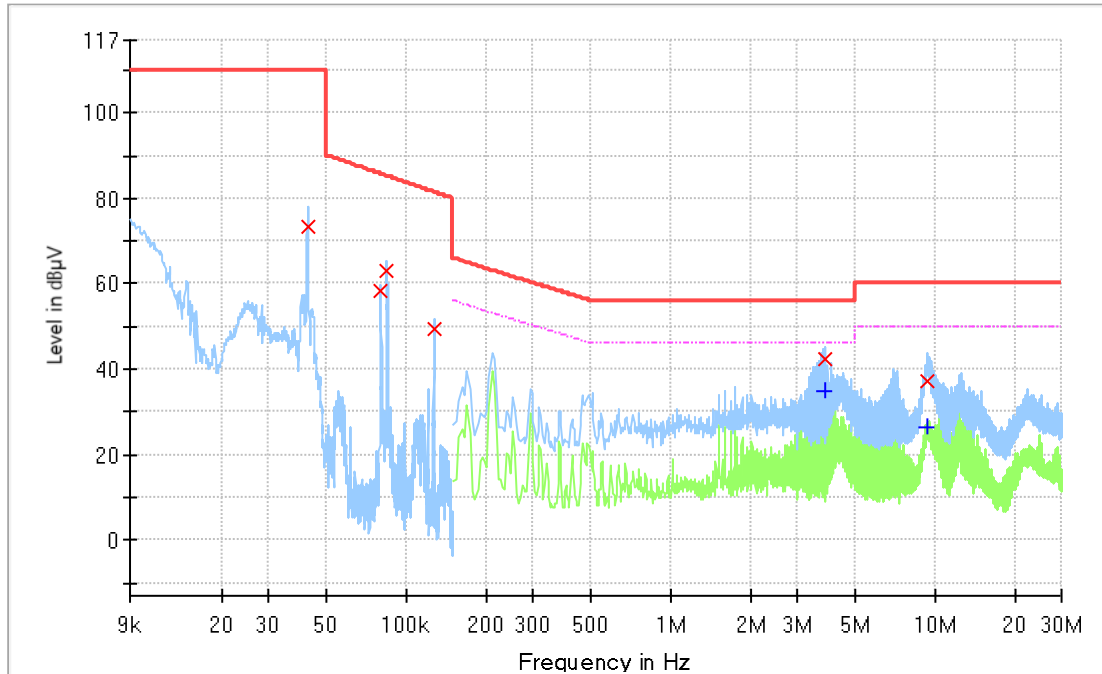
Shield Room in Dongtan Laboratory

2.3.3 Environment Conditions

Temperature	(Minimum 20.7, Maximum 21.9) °C
Humidity	(Minimum 31.0, Maximum 32.0) % R.H.
Atmospheric Pressure	(Minimum 101.8, Maximum 101.8) kPa
Test Date	April 27, 2023

2.3.4 Test Results

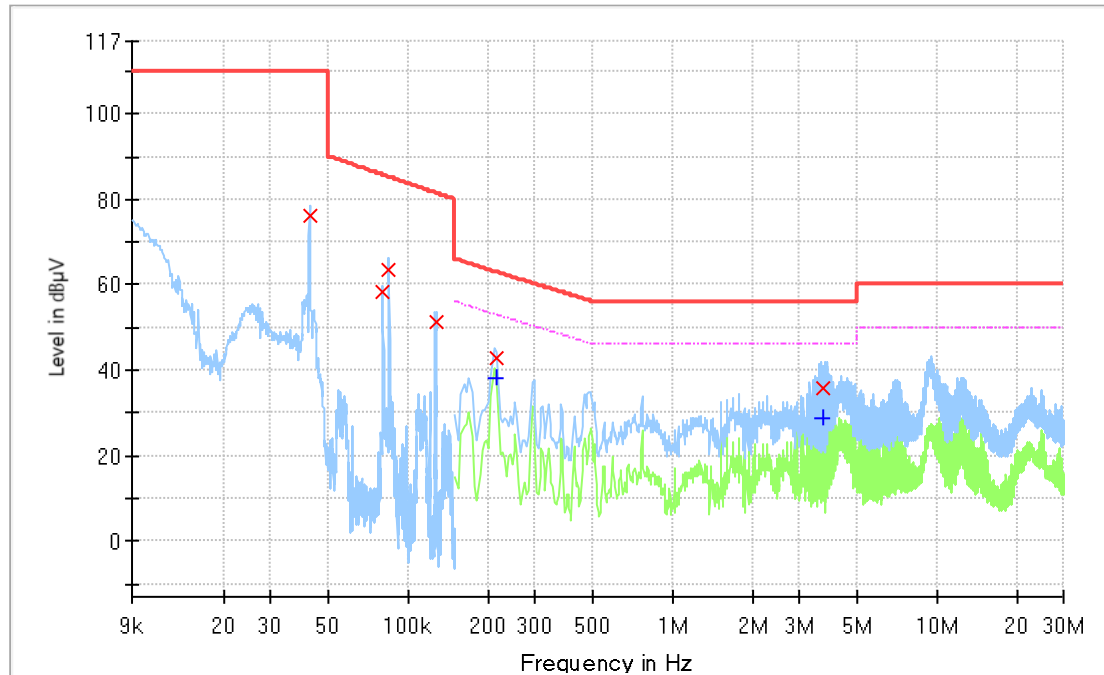
Live Line_1) 208 V Left Rear Cooking Zone Level 9 Operating Mode



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.042	73.39	---	110.00	36.61	15 000.0	0.200	L1	GND	10.1
0.080	58.21	---	85.71	27.50	15 000.0	0.200	L1	GND	9.9
0.084	63.04	---	85.23	22.19	15 000.0	0.200	L1	GND	9.9
0.127	49.44	---	81.54	32.10	15 000.0	0.200	L1	GND	9.9
3.846	---	34.84	46.00	11.16	15 000.0	9.000	L1	GND	10.1
3.846	42.29	---	56.00	13.71	15 000.0	9.000	L1	GND	10.1
9.366	---	26.25	50.00	23.75	15 000.0	9.000	L1	GND	10.2
9.366	37.26	---	60.00	22.74	15 000.0	9.000	L1	GND	10.2

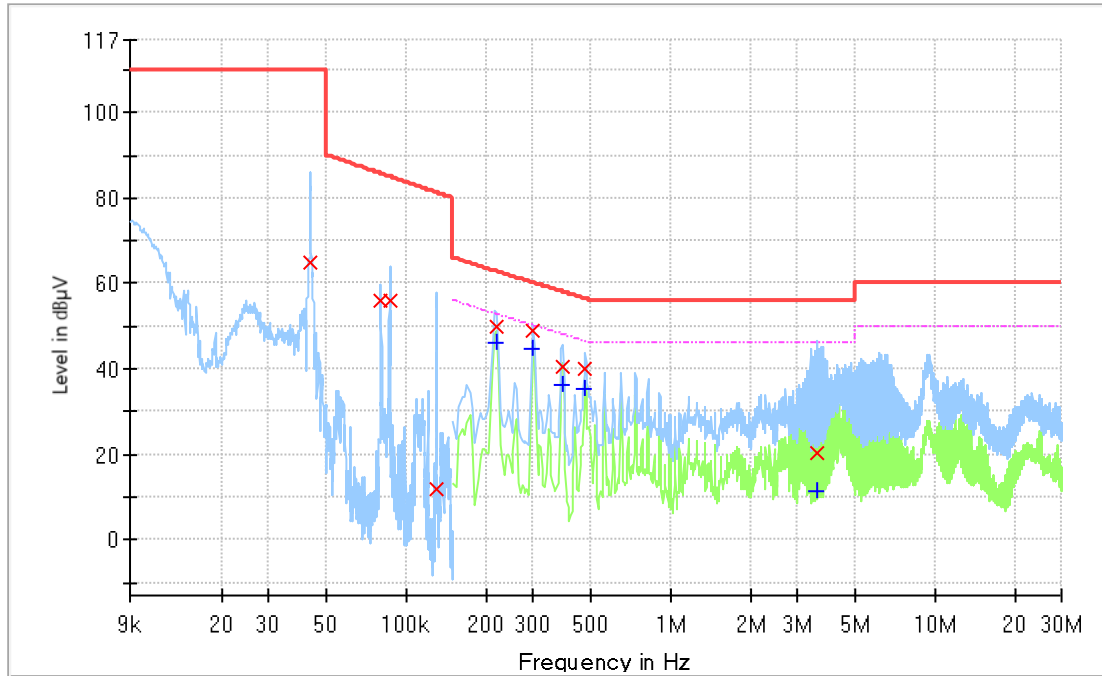
Neutral Line_1) 208 V Left Rear Cooking Zone Level 9 Operating Mode



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.042	76.37	---	110.00	33.63	15 000.0	0.200	N	GND	10.0
0.080	58.22	---	85.71	27.49	15 000.0	0.200	N	GND	9.9
0.085	63.28	---	85.22	21.95	15 000.0	0.200	N	GND	9.9
0.127	51.13	---	81.54	30.40	15 000.0	0.200	N	GND	9.9
0.214	---	38.28	53.05	14.77	15 000.0	9.000	N	GND	9.9
0.214	42.66	---	63.05	20.39	15 000.0	9.000	N	GND	9.9
3.682	---	28.61	46.00	17.39	15 000.0	9.000	N	GND	10.0
3.682	36.03	---	56.00	19.97	15 000.0	9.000	N	GND	10.0

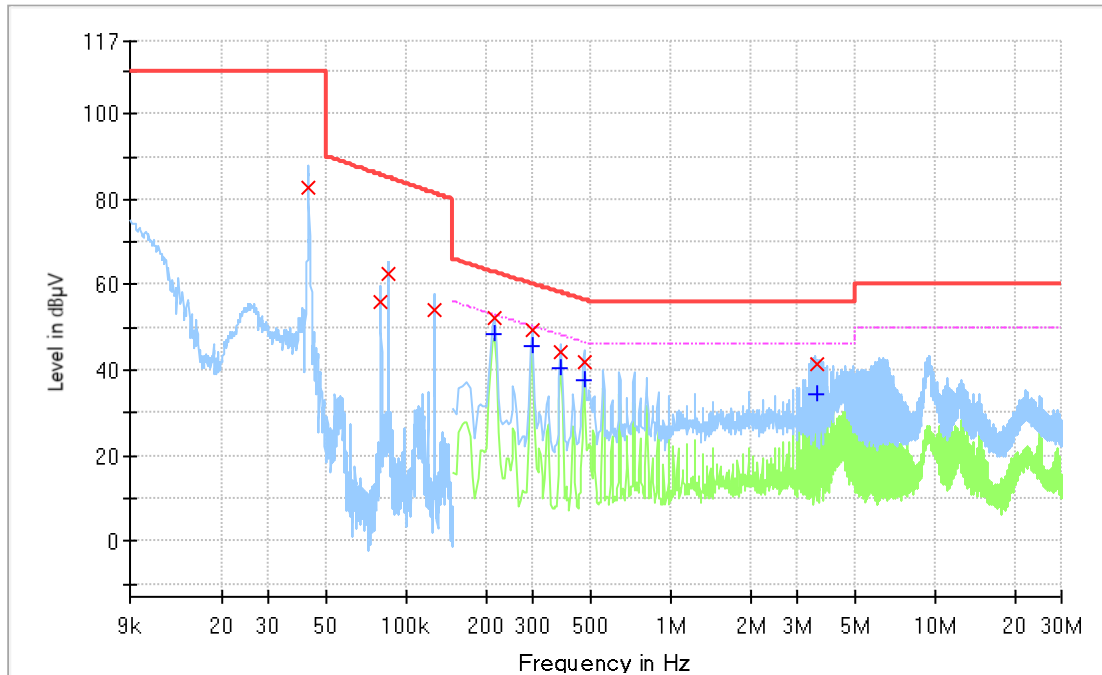
Live Line_2) 208 V Left Front Cooking Zone Level 9 Operating Mode



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.043	64.74	---	110.00	45.26	15 000.0	0.200	L1	GND	10.1
0.080	55.96	---	85.72	29.76	15 000.0	0.200	L1	GND	9.9
0.087	55.92	---	85.01	29.09	15 000.0	0.200	L1	GND	9.9
0.130	11.86	---	81.33	69.47	15 000.0	0.200	L1	GND	9.9
0.218	---	46.03	52.90	6.87	15 000.0	9.000	L1	GND	9.9
0.218	49.94	---	62.89	12.95	15 000.0	9.000	L1	GND	9.9
0.302	---	44.85	50.19	5.34	15 000.0	9.000	L1	GND	9.9
0.302	48.76	---	60.19	11.43	15 000.0	9.000	L1	GND	9.9
0.390	---	36.33	48.06	11.73	15 000.0	9.000	L1	GND	9.9
0.390	40.53	---	58.06	17.53	15 000.0	9.000	L1	GND	9.9
0.474	---	35.49	46.44	10.95	15 000.0	9.000	L1	GND	9.9
0.474	40.03	---	56.44	16.42	15 000.0	9.000	L1	GND	9.9
3.582	---	11.52	46.00	34.48	15 000.0	9.000	L1	GND	10.0
3.582	20.23	---	56.00	35.77	15 000.0	9.000	L1	GND	10.0

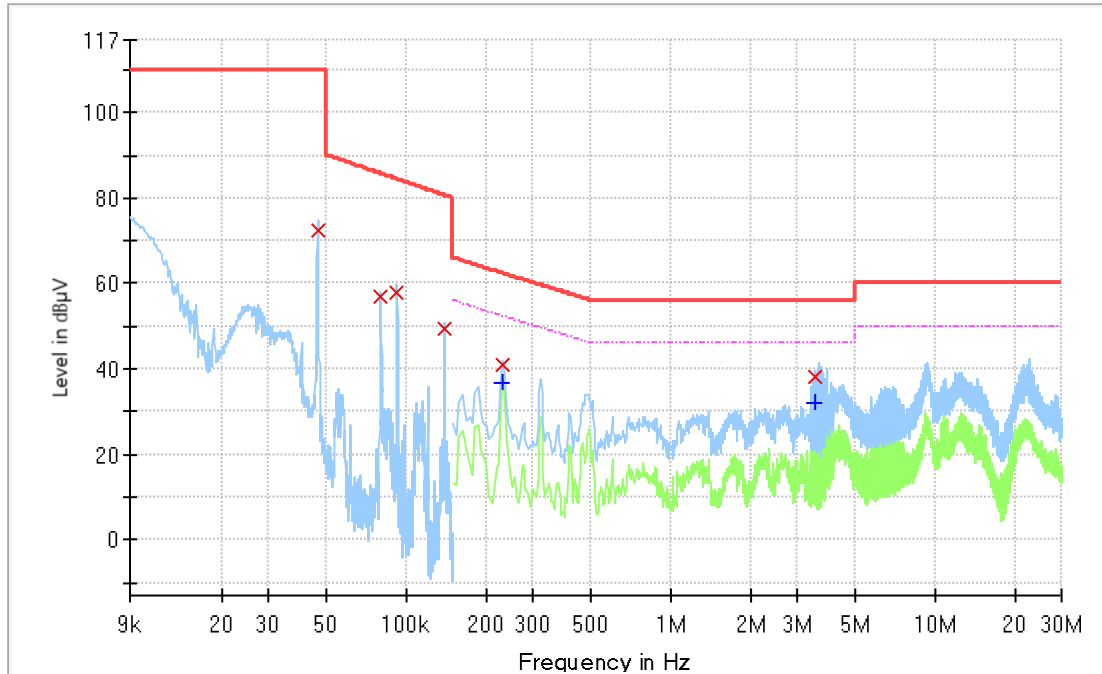
Neutral Line_2) 208 V Left Front Cooking Zone Level 9 Operating Mode



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	C-Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.043	82.86	---	110.00	27.14	15 000.0	0.200	N	GND	10.0
0.080	55.96	---	85.72	29.76	15 000.0	0.200	N	GND	9.9
0.085	62.36	---	85.15	22.79	15 000.0	0.200	N	GND	9.9
0.128	54.00	---	81.45	27.45	15 000.0	0.200	N	GND	9.9
0.214	---	48.40	53.05	4.65	15 000.0	9.000	N	GND	9.9
0.214	52.16	---	63.05	10.89	15 000.0	9.000	N	GND	9.9
0.298	---	45.52	50.30	4.78	15 000.0	9.000	N	GND	9.9
0.298	49.27	---	60.30	11.03	15 000.0	9.000	N	GND	9.9
0.386	---	40.31	48.15	7.84	15 000.0	9.000	N	GND	9.9
0.386	44.24	---	58.15	13.91	15 000.0	9.000	N	GND	9.9
0.470	---	37.77	46.51	8.75	15 000.0	9.000	N	GND	9.9
0.470	41.91	---	56.51	14.61	15 000.0	9.000	N	GND	9.9
3.578	---	34.60	46.00	11.40	15 000.0	9.000	N	GND	10.0
3.578	41.50	---	56.00	14.50	15 000.0	9.000	N	GND	10.0

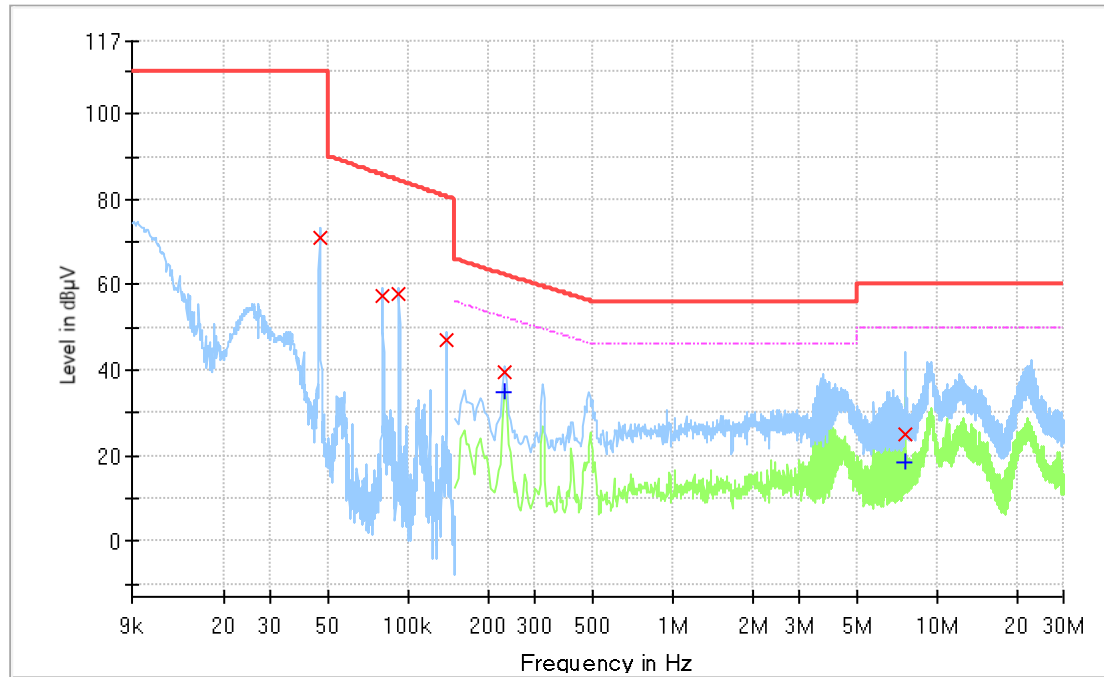
Live Line_3) 208 V Right Front Cooking Zone Level 9 Operating Mode



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.046	72.21	---	110.00	37.79	15 000.0	0.200	L1	GND	10.0
0.080	56.95	---	85.71	28.76	15 000.0	0.200	L1	GND	9.9
0.092	57.75	---	84.42	26.67	15 000.0	0.200	L1	GND	9.9
0.138	49.30	---	80.73	31.43	15 000.0	0.200	L1	GND	9.9
0.230	---	36.53	52.45	15.92	15 000.0	9.000	L1	GND	9.9
0.230	40.83	---	62.45	21.62	15 000.0	9.000	L1	GND	9.9
3.526	---	32.02	46.00	13.98	15 000.0	9.000	L1	GND	10.0
3.526	38.33	---	56.00	17.67	15 000.0	9.000	L1	GND	10.0

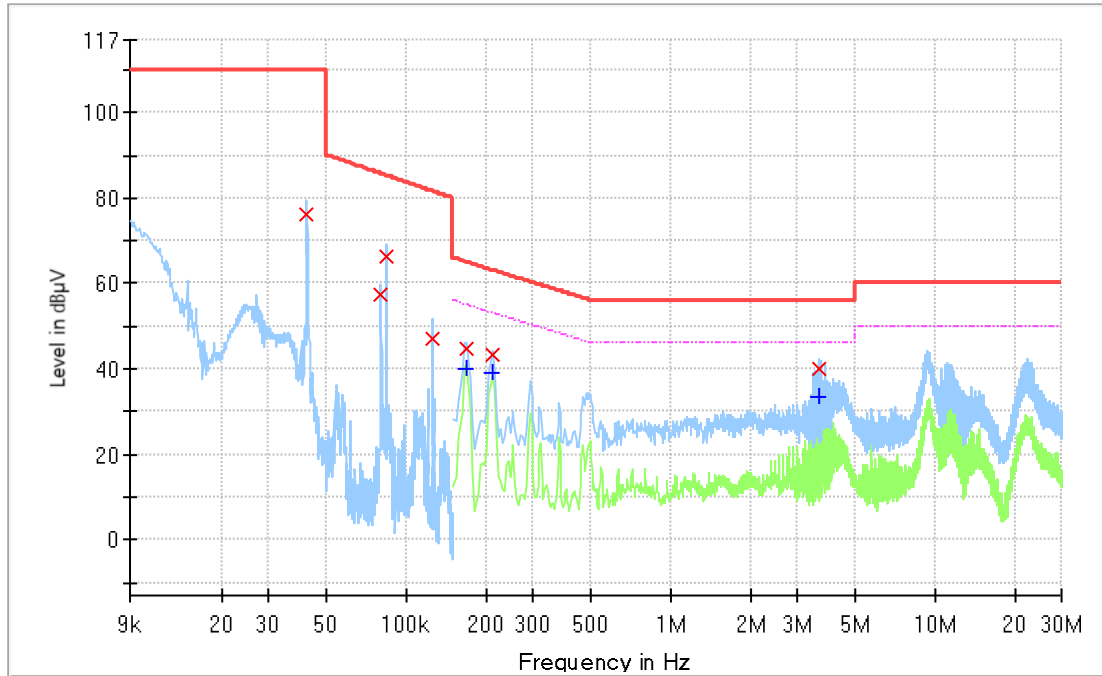
Neutral Line_3) 208 V Right Front Cooking Zone Level 9 Operating Mode



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	C-Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.046	70.85	---	110.00	39.15	15 000.0	0.200	N	GND	10.0
0.080	57.59	---	85.71	28.12	15 000.0	0.200	N	GND	9.9
0.092	57.78	---	84.42	26.65	15 000.0	0.200	N	GND	9.9
0.138	47.19	---	80.73	33.54	15 000.0	0.200	N	GND	9.9
0.230	---	34.99	52.45	17.46	15 000.0	9.000	N	GND	9.9
0.230	39.34	---	62.45	23.11	15 000.0	9.000	N	GND	9.9
7.610	---	18.35	50.00	31.65	15 000.0	9.000	N	GND	10.1
7.610	25.02	---	60.00	34.98	15 000.0	9.000	N	GND	10.1

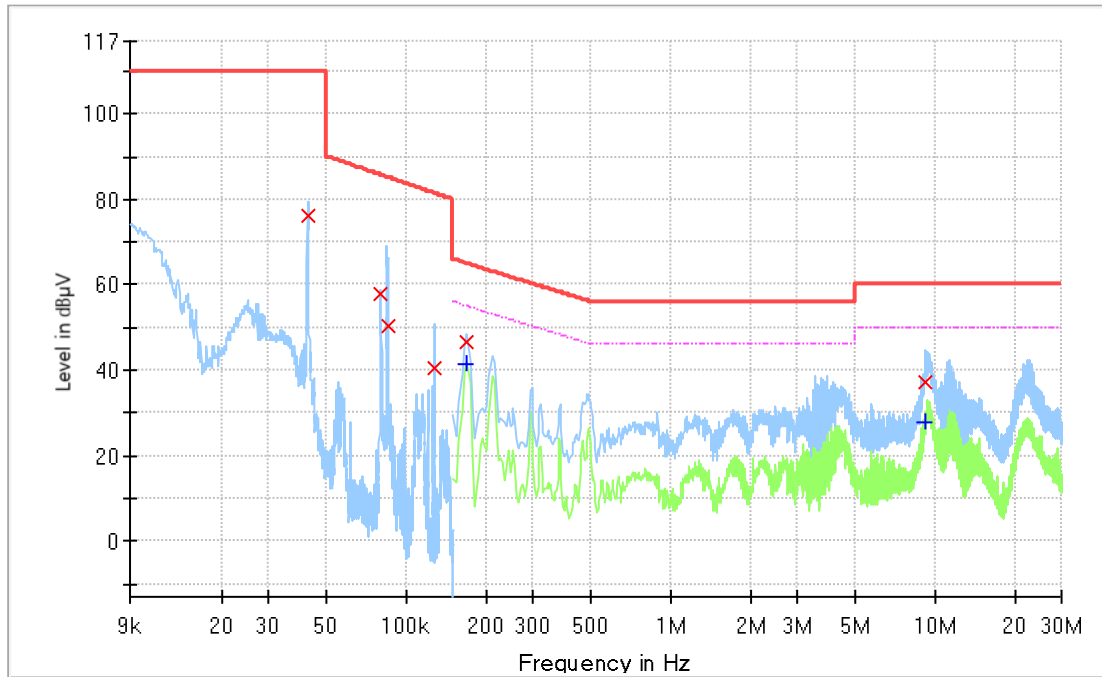
Live Line_4) 208 V Right Rear Cooking Zone Level 9 Operating Mode



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.042	76.24	---	110.00	33.76	15 000.0	0.200	L1	GND	10.1
0.080	57.35	---	85.71	28.35	15 000.0	0.200	L1	GND	9.9
0.084	66.43	---	85.26	18.83	15 000.0	0.200	L1	GND	9.9
0.126	47.17	---	81.57	34.40	15 000.0	0.200	L1	GND	9.9
0.170	---	40.09	54.96	14.87	15 000.0	9.000	L1	GND	9.9
0.170	44.85	---	64.96	20.11	15 000.0	9.000	L1	GND	9.9
0.210	---	38.97	53.21	14.24	15 000.0	9.000	L1	GND	9.9
0.210	43.41	---	63.21	19.79	15 000.0	9.000	L1	GND	9.9
3.606	---	33.61	46.00	12.39	15 000.0	9.000	L1	GND	10.0
3.606	40.11	---	56.00	15.89	15 000.0	9.000	L1	GND	10.0

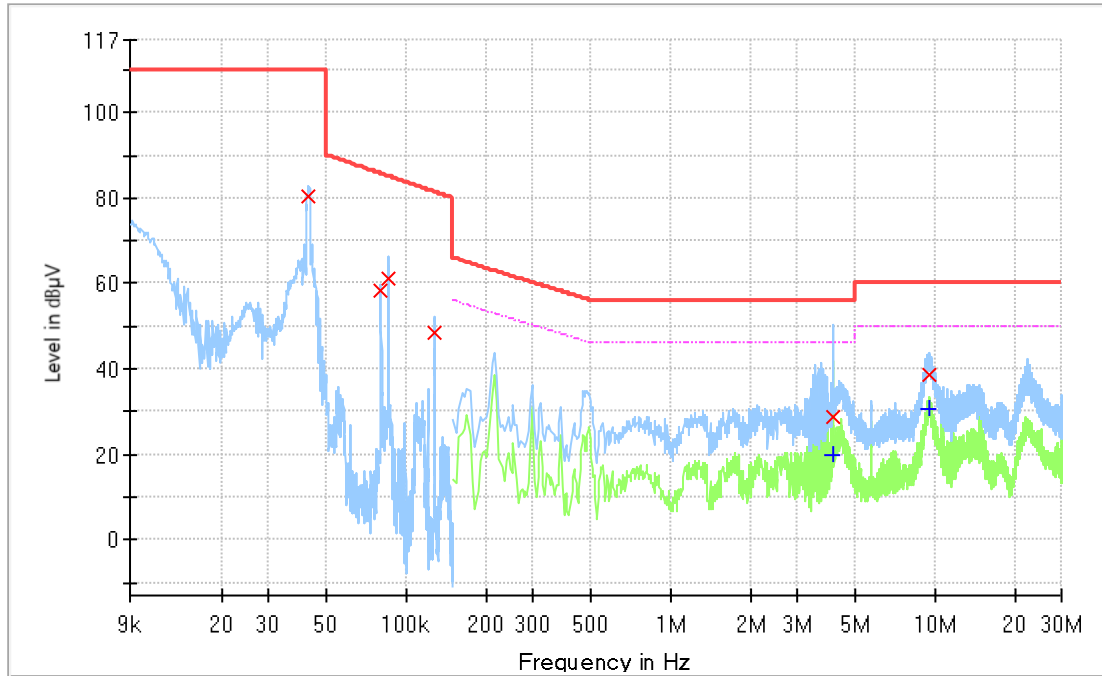
Neutral Line_4) 208 V Right Rear Cooking Zone Level 9 Operating Mode



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.042	76.17	---	110.00	33.83	15 000.0	0.200	N	GND	10.0
0.080	57.99	---	85.71	27.72	15 000.0	0.200	N	GND	9.9
0.085	50.35	---	85.20	34.85	15 000.0	0.200	N	GND	9.9
0.127	40.34	---	81.53	41.19	15 000.0	0.200	N	GND	9.9
0.170	---	41.56	54.96	13.40	15 000.0	9.000	N	GND	9.9
0.170	46.49	---	64.96	18.47	15 000.0	9.000	N	GND	9.9
9.182	---	27.70	50.00	22.30	15 000.0	9.000	N	GND	10.2
9.182	37.31	---	60.00	22.69	15 000.0	9.000	N	GND	10.2

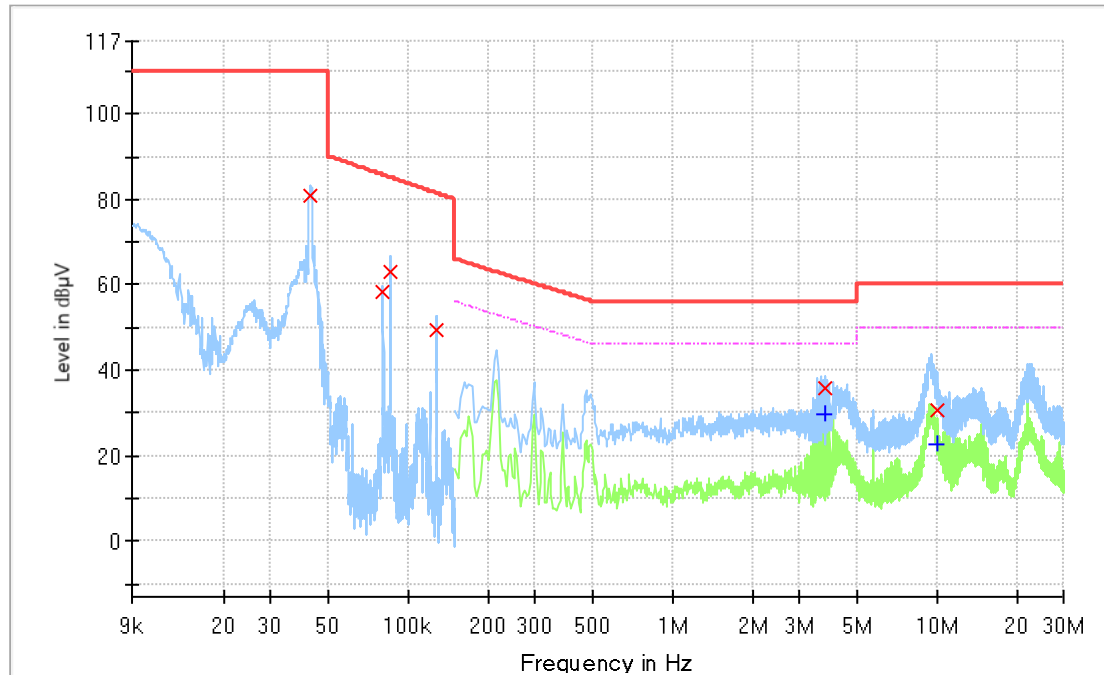
Live Line_5) 208 V Dual Cooking Zone Level 9 Operating Mode



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	C-Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.042	80.56	---	110.00	29.44	15 000.0	0.200	L1	GND	10.1
0.080	58.22	---	85.71	27.49	15 000.0	0.200	L1	GND	9.9
0.085	61.01	---	85.16	24.16	15 000.0	0.200	L1	GND	9.9
0.128	48.37	---	81.45	33.08	15 000.0	0.200	L1	GND	9.9
4.122	---	19.94	46.00	26.06	15 000.0	9.000	L1	GND	10.1
4.122	28.95	---	56.00	27.05	15 000.0	9.000	L1	GND	10.1
9.546	---	30.76	50.00	19.24	15 000.0	9.000	L1	GND	10.2
9.546	38.52	---	60.00	21.48	15 000.0	9.000	L1	GND	10.2

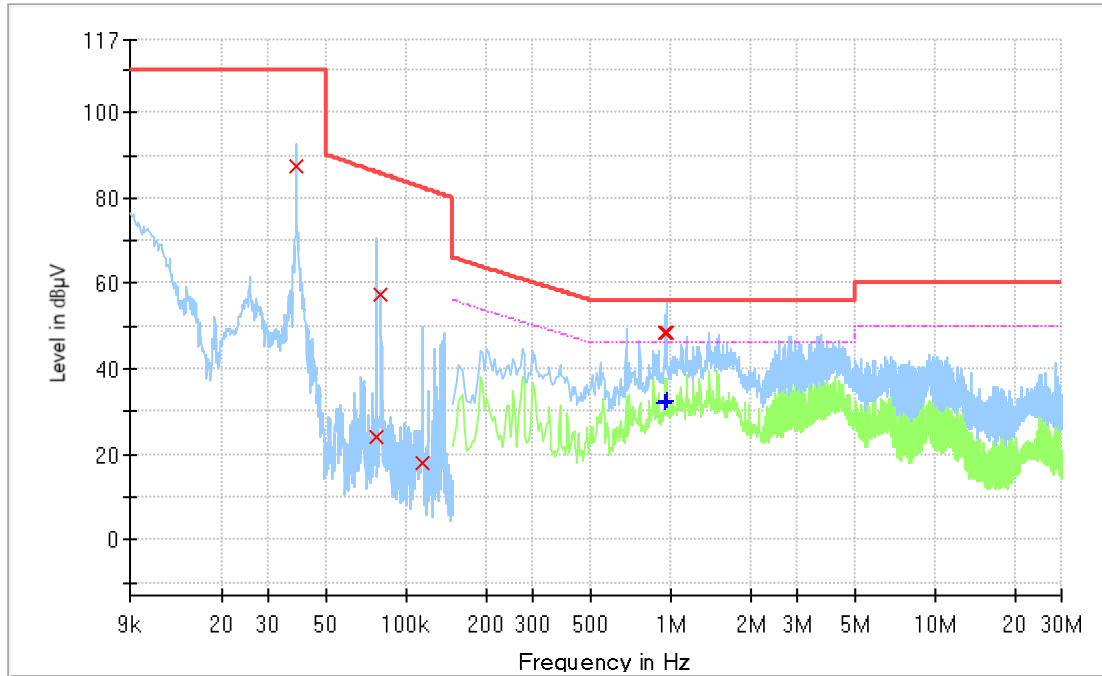
Neutral Line_5) 208 V Dual Cooking Zone Level 9 Operating Mode



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.043	80.95	---	110.00	29.05	15 000.0	0.200	N	GND	10.0
0.080	58.41	---	85.71	27.30	15 000.0	0.200	N	GND	9.9
0.085	63.01	---	85.14	22.12	15 000.0	0.200	N	GND	9.9
0.128	49.63	---	81.46	31.83	15 000.0	0.200	N	GND	9.9
3.766	---	29.54	46.00	16.46	15 000.0	9.000	N	GND	10.1
3.766	35.99	---	56.00	20.01	15 000.0	9.000	N	GND	10.1
9.994	---	22.84	50.00	27.16	15 000.0	9.000	N	GND	10.2
9.994	30.50	---	60.00	29.50	15 000.0	9.000	N	GND	10.2

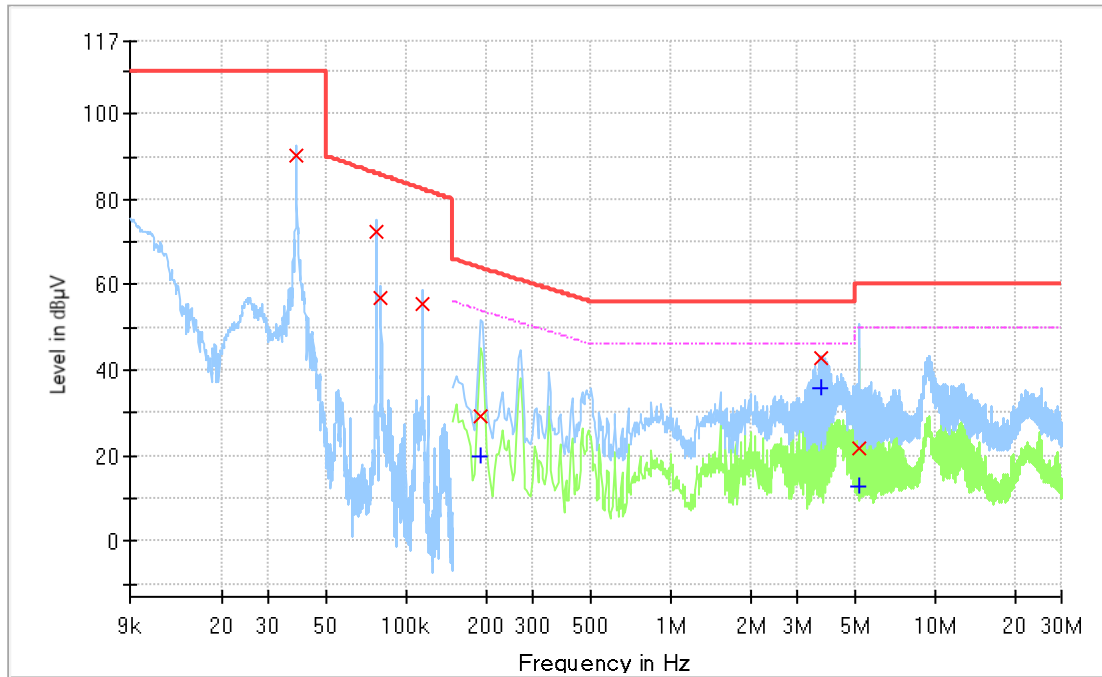
Live Line_6) 240 V Left Rear Cooking Zone Boost Operating Mode



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.038	87.62	---	110.00	22.38	15 000.0	0.200	L1	GND	10.1
0.077	24.28	---	86.10	61.82	15 000.0	0.200	L1	GND	9.9
0.080	57.29	---	85.71	28.42	15 000.0	0.200	L1	GND	9.9
0.115	18.06	---	82.41	64.34	15 000.0	0.200	L1	GND	9.9
0.946	---	32.23	46.00	13.77	15 000.0	9.000	L1	GND	9.9
0.946	48.49	---	56.00	7.51	15 000.0	9.000	L1	GND	9.9
0.962	---	32.54	46.00	13.46	15 000.0	9.000	L1	GND	9.9
0.962	48.42	---	56.00	7.58	15 000.0	9.000	L1	GND	9.9

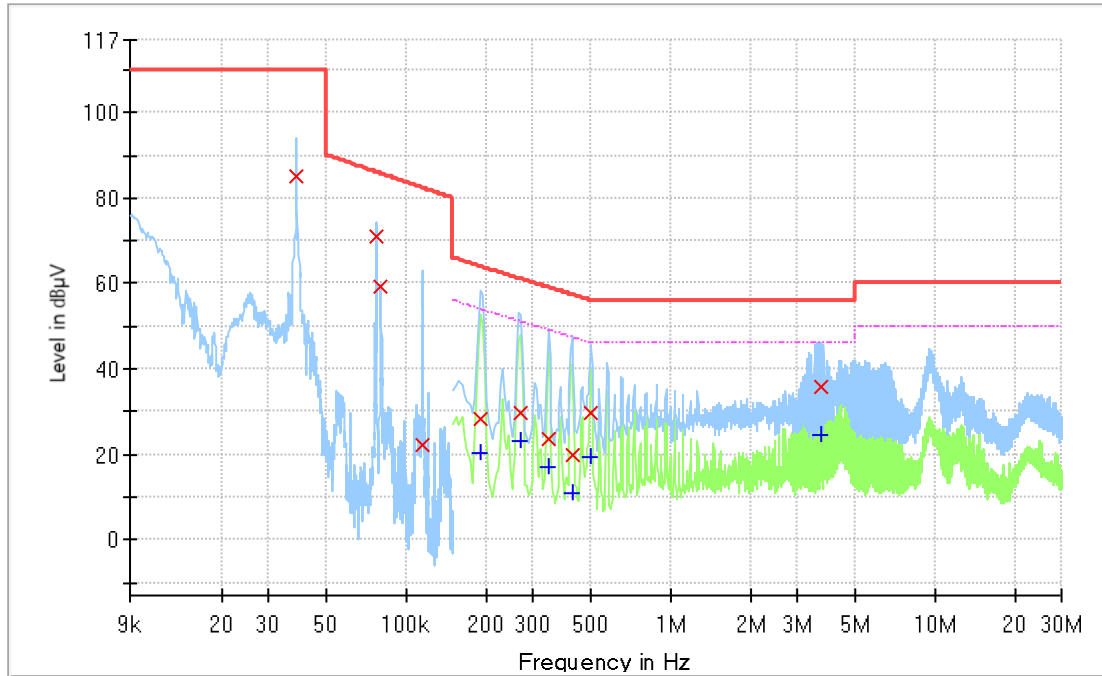
Neutral Line_6) 240 V Left Rear Cooking Zone Boost Operating Mode



Final_Result

Frequency (kHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.038	90.08	---	110.00	19.92	15 000.0	0.200	N	GND	10.1
0.077	72.58	---	86.11	13.53	15 000.0	0.200	N	GND	9.9
0.080	56.78	---	85.70	28.92	15 000.0	0.200	N	GND	9.9
0.115	55.31	---	82.42	27.11	15 000.0	0.200	N	GND	9.9
0.190	29.34	---	64.04	34.70	15 000.0	9.000	N	GND	9.9
0.190	---	19.92	54.04	34.12	15 000.0	9.000	N	GND	9.9
3.686	43.02	---	56.00	12.98	15 000.0	9.000	N	GND	10.0
3.686	---	35.65	46.00	10.35	15 000.0	9.000	N	GND	10.0
5.130	---	12.77	50.00	37.23	15 000.0	9.000	N	GND	10.1
5.130	21.82	---	60.00	38.18	15 000.0	9.000	N	GND	10.1

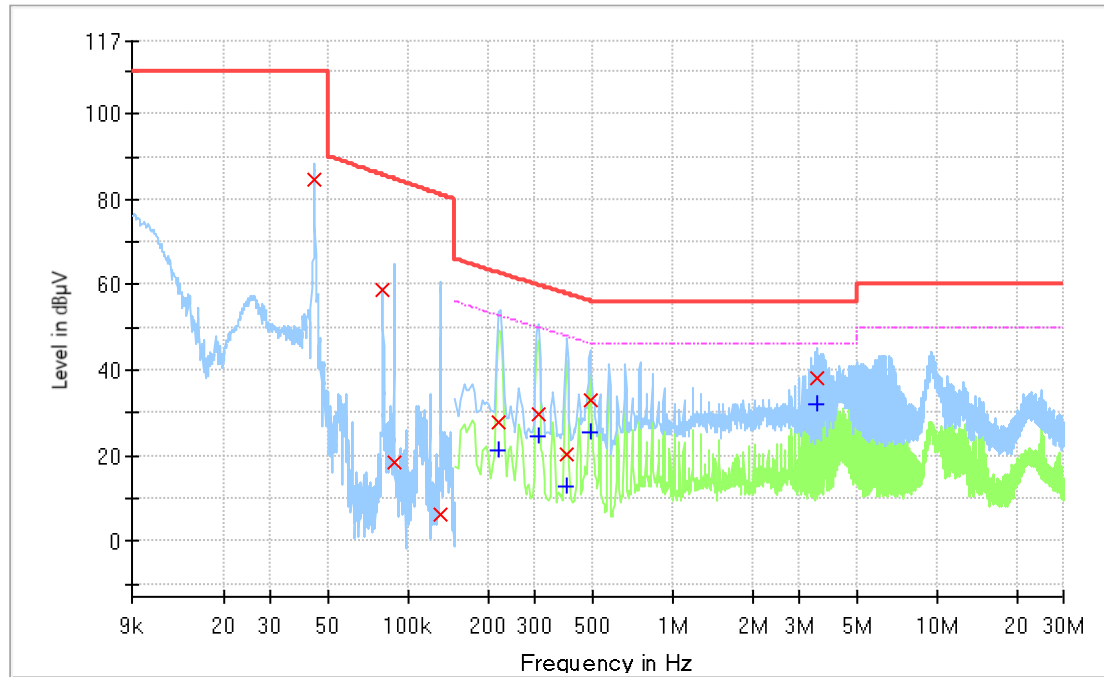
Live Line_7) 240 V Left Front Cooking Zone Boost Operating Mode



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.038	85.20	---	110.00	24.80	15 000.0	0.200	L1	GND	10.1
0.077	71.07	---	86.12	15.05	15 000.0	0.200	L1	GND	9.9
0.080	59.41	---	85.70	26.29	15 000.0	0.200	L1	GND	9.9
0.115	22.22	---	82.43	60.21	15 000.0	0.200	L1	GND	9.9
0.190	---	20.48	54.04	33.55	15 000.0	9.000	L1	GND	9.9
0.190	28.30	---	64.04	35.74	15 000.0	9.000	L1	GND	9.9
0.270	---	23.09	51.12	28.03	15 000.0	9.000	L1	GND	9.9
0.270	29.74	---	61.12	31.38	15 000.0	9.000	L1	GND	9.9
0.346	---	17.15	49.06	31.90	15 000.0	9.000	L1	GND	9.9
0.346	23.62	---	59.06	35.44	15 000.0	9.000	L1	GND	9.9
0.422	---	10.90	47.41	36.50	15 000.0	9.000	L1	GND	9.9
0.422	20.05	---	57.41	37.36	15 000.0	9.000	L1	GND	9.9
0.498	---	19.21	46.03	26.83	15 000.0	9.000	L1	GND	9.9
0.498	29.66	---	56.03	26.37	15 000.0	9.000	L1	GND	9.9
3.710	---	24.31	46.00	21.69	15 000.0	9.000	L1	GND	10.0
3.710	35.58	---	56.00	20.42	15 000.0	9.000	L1	GND	10.0

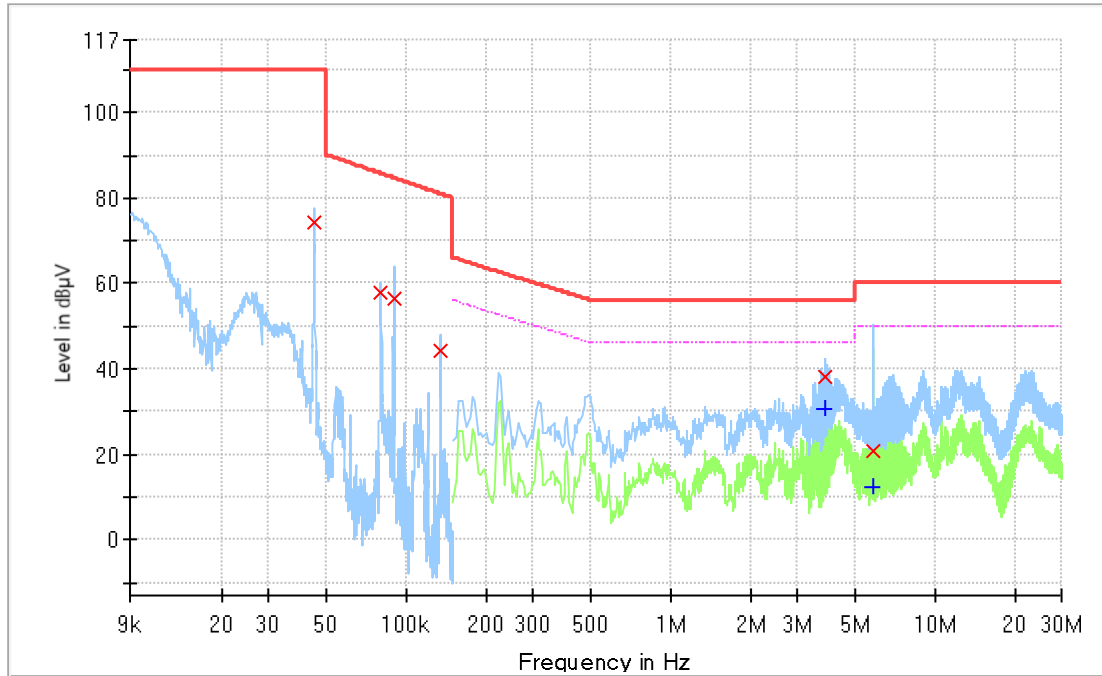
Neutral Line_7) 240 V Left Front Cooking Zone Boost Operating Mode



Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	C-Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.044	84.63	---	110.00	25.37	15 000.0	0.200	N	GND	10.0
0.080	59.01	---	85.71	26.69	15 000.0	0.200	N	GND	9.9
0.088	18.33	---	84.83	66.51	15 000.0	0.200	N	GND	9.9
0.132	6.39	---	81.16	74.77	15 000.0	0.200	N	GND	9.9
0.218	---	21.33	52.90	31.56	15 000.0	9.000	N	GND	9.9
0.218	27.67	---	62.89	35.22	15 000.0	9.000	N	GND	9.9
0.310	---	24.66	49.97	25.31	15 000.0	9.000	N	GND	9.9
0.310	29.82	---	59.97	30.15	15 000.0	9.000	N	GND	9.9
0.398	---	12.99	47.90	34.90	15 000.0	9.000	N	GND	9.9
0.398	20.40	---	57.90	37.50	15 000.0	9.000	N	GND	9.9
0.486	---	25.57	46.24	20.66	15 000.0	9.000	N	GND	9.9
0.486	32.94	---	56.24	23.29	15 000.0	9.000	N	GND	9.9
3.522	---	31.97	46.00	14.03	15 000.0	9.000	N	GND	10.0
3.522	38.29	---	56.00	17.71	15 000.0	9.000	N	GND	10.0

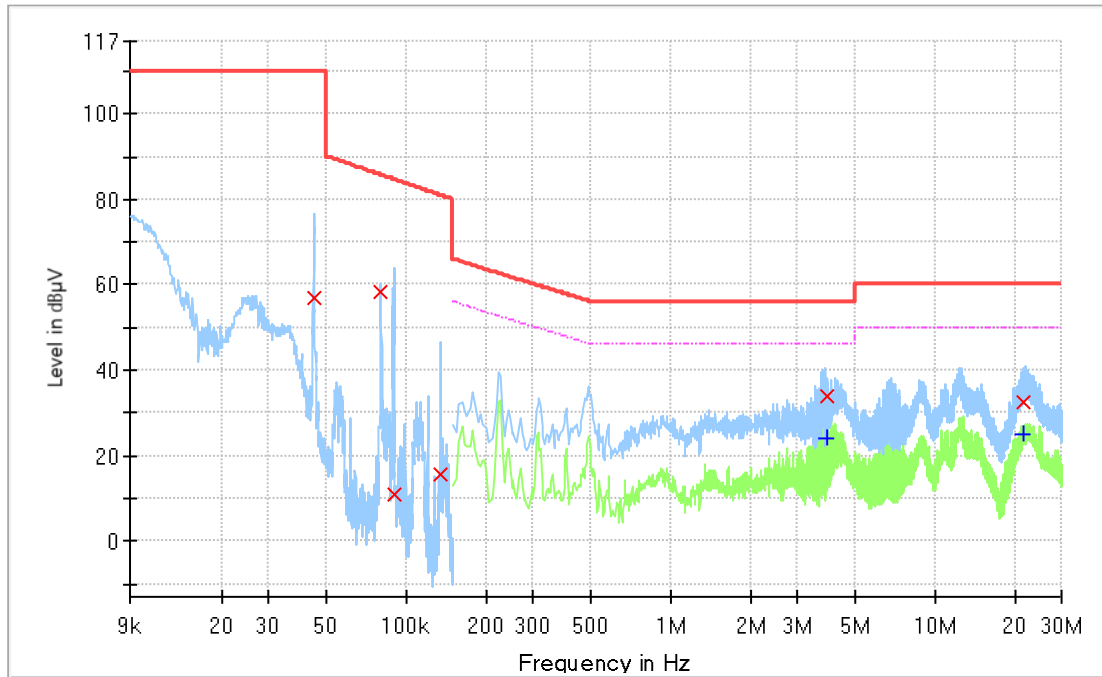
Live Line_8) 240 V Right Front Cooking Zone Boost Operating Mode



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.045	74.17	---	110.00	35.83	15 000.0	0.200	L1	GND	10.0
0.080	57.81	---	85.70	27.89	15 000.0	0.200	L1	GND	9.9
0.089	56.50	---	84.72	28.22	15 000.0	0.200	L1	GND	9.9
0.134	44.38	---	81.01	36.63	15 000.0	0.200	L1	GND	9.9
3.846	---	30.44	46.00	15.56	15 000.0	9.000	L1	GND	10.1
3.846	38.26	---	56.00	17.74	15 000.0	9.000	L1	GND	10.1
5.838	---	12.32	50.00	37.68	15 000.0	9.000	L1	GND	10.1
5.838	20.95	---	60.00	39.05	15 000.0	9.000	L1	GND	10.1

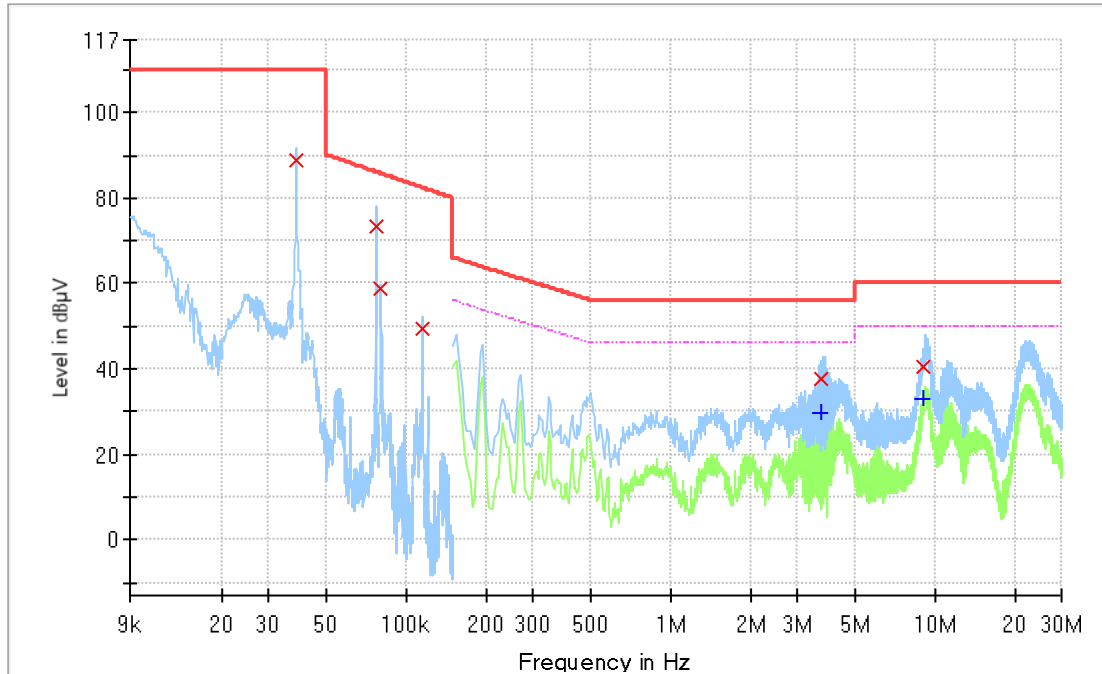
Neutral Line_8) 240 V Right Front Cooking Zone Boost Operating Mode



Final_Result

Frequency (kHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.045	56.76	---	110.00	53.24	15 000.0	0.200	N	GND	10.0
0.080	58.45	---	85.71	27.25	15 000.0	0.200	N	GND	9.9
0.089	11.00	---	84.72	73.72	15 000.0	0.200	N	GND	9.9
0.134	15.81	---	81.02	65.22	15 000.0	0.200	N	GND	9.9
3.930	---	24.31	46.00	21.69	15 000.0	9.000	N	GND	10.1
3.930	33.70	---	56.00	22.30	15 000.0	9.000	N	GND	10.1
21.530	---	24.97	50.00	25.03	15 000.0	9.000	N	GND	10.4
21.530	32.63	---	60.00	27.37	15 000.0	9.000	N	GND	10.4

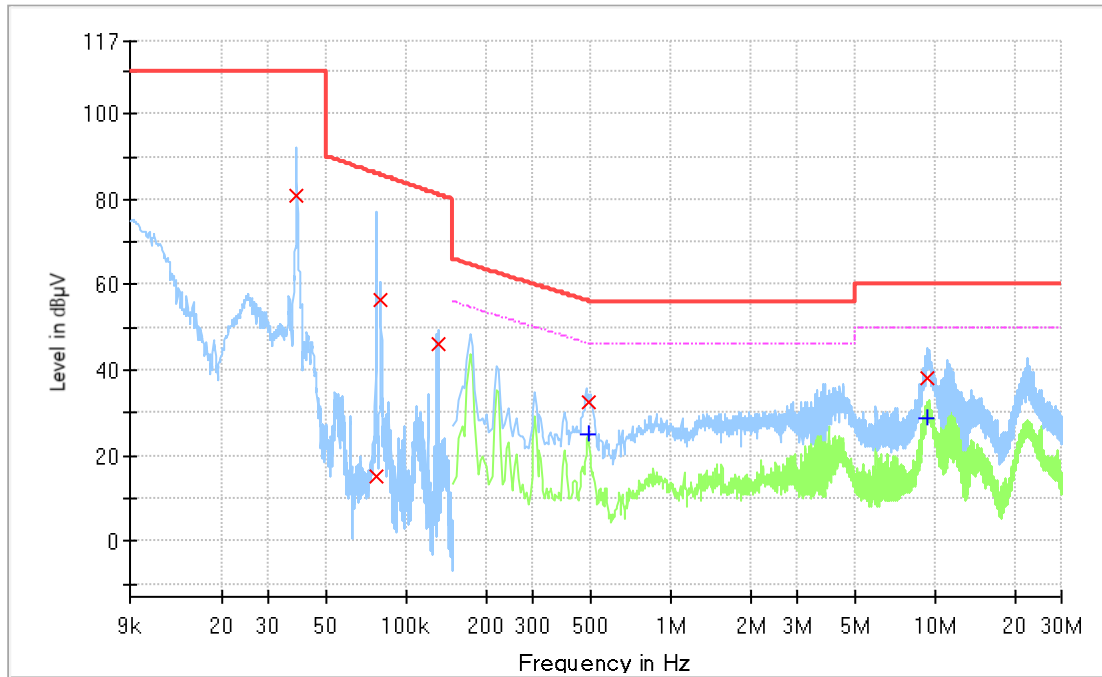
Live Line_9) 240 V Right Rear Cooking Zone Boost Operating Mode



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.038	88.96	---	110.00	21.04	15 000.0	0.200	L1	GND	10.1
0.077	73.33	---	86.12	12.79	15 000.0	0.200	L1	GND	9.9
0.080	58.94	---	85.71	26.77	15 000.0	0.200	L1	GND	9.9
0.115	49.25	---	82.41	33.16	15 000.0	0.200	L1	GND	9.9
3.682	---	29.80	46.00	16.20	15 000.0	9.000	L1	GND	10.0
3.682	37.89	---	56.00	18.11	15 000.0	9.000	L1	GND	10.0
9.010	---	33.00	50.00	17.00	15 000.0	9.000	L1	GND	10.2
9.010	40.37	---	60.00	19.63	15 000.0	9.000	L1	GND	10.2

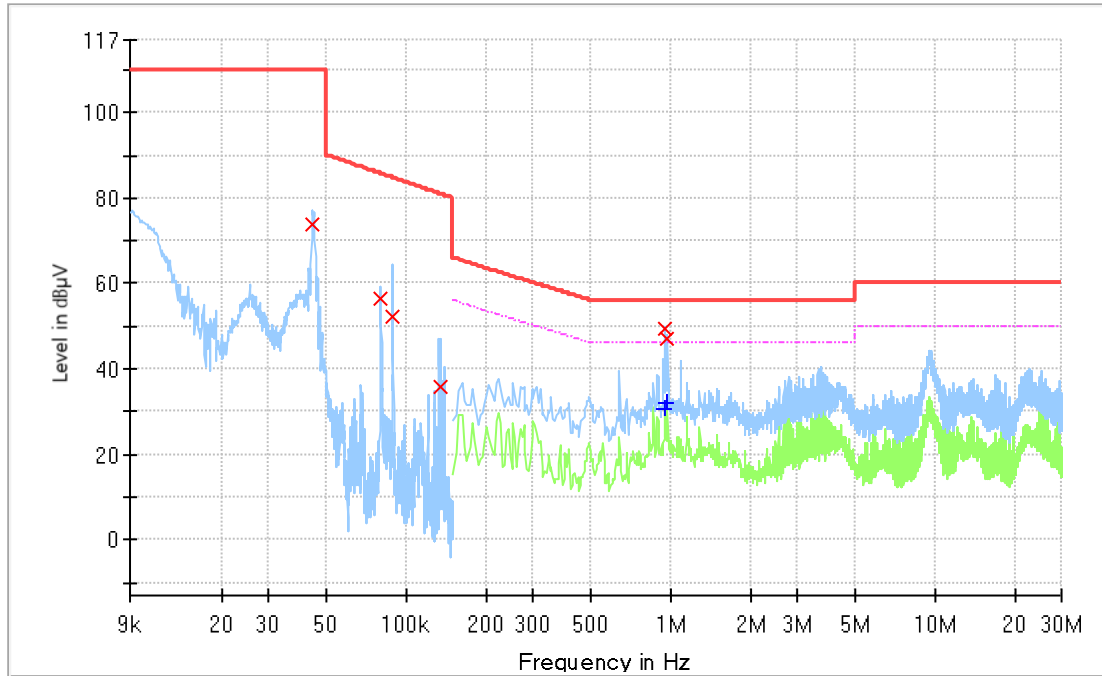
Neutral Line_9) 240 V Right Rear Cooking Zone Boost Operating Mode



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.038	80.70	---	110.00	29.30	15 000.0	0.200	N	GND	10.1
0.077	15.35	---	86.12	70.77	15 000.0	0.200	N	GND	9.9
0.080	56.64	---	85.72	29.08	15 000.0	0.200	N	GND	9.9
0.131	46.05	---	81.21	35.16	15 000.0	0.200	N	GND	9.9
0.486	---	24.80	46.24	21.43	15 000.0	9.000	N	GND	9.9
0.486	32.60	---	56.24	23.63	15 000.0	9.000	N	GND	9.9
9.254	---	28.88	50.00	21.12	15 000.0	9.000	N	GND	10.2
9.254	38.28	---	60.00	21.72	15 000.0	9.000	N	GND	10.2

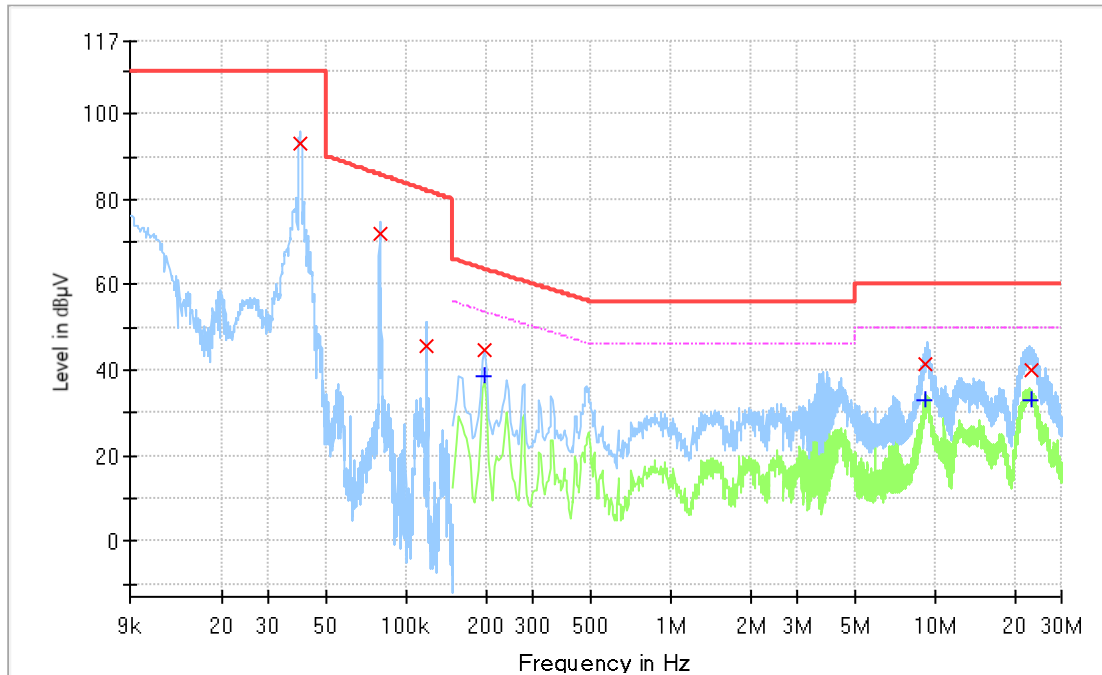
Live Line_10) 240 V Dual Cooking Zone Operating Mode



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.044	73.82	---	110.00	36.18	15 000.0	0.200	L1	GND	10.0
0.080	56.28	---	85.70	29.42	15 000.0	0.200	L1	GND	9.9
0.089	52.43	---	84.74	32.31	15 000.0	0.200	L1	GND	9.9
0.134	35.75	---	81.06	45.31	15 000.0	0.200	L1	GND	9.9
0.950	---	30.74	46.00	15.26	15 000.0	9.000	L1	GND	9.9
0.950	49.36	---	56.00	6.64	15 000.0	9.000	L1	GND	9.9
0.970	---	31.85	46.00	14.15	15 000.0	9.000	L1	GND	9.9
0.971	46.87	---	56.00	9.13	15 000.0	9.000	L1	GND	9.9

Neutral Line_10) 240 V Dual Cooking Zone Operating Mode



Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.040	93.28	---	110.00	16.72	15 000.0	0.200	N	GND	10.1
0.079	72.15	---	85.83	13.68	15 000.0	0.200	N	GND	9.9
0.119	45.51	---	82.14	36.64	15 000.0	0.200	N	GND	9.9
0.198	---	38.73	53.69	14.96	15 000.0	9.000	N	GND	9.9
0.198	44.52	---	63.69	19.18	15 000.0	9.000	N	GND	9.9
9.234	---	32.77	50.00	17.23	15 000.0	9.000	N	GND	10.2
9.234	41.37	---	60.00	18.63	15 000.0	9.000	N	GND	10.2
23.214	---	33.14	50.00	16.86	15 000.0	9.000	N	GND	10.4
23.214	39.83	---	60.00	20.17	15 000.0	9.000	N	GND	10.4

Measurement Uncertainty: See Appendix A

Note: • Line (L1) : Live • Line (N) : Neutral
• Corr. : LISN Factor + Pulse Limiter Factor + Cable Loss
• Margin = Limit – QuasiPeak or Average

Ex) In case

Freq ; 0.5 MHz, level ; 30 dB(μV), CL ; 0.2 dB, LISN ; 9.5 dB, P/L: 9.8 dB

Result = Level + CL + LISN + P/L

= 30 + 0.2 + 9.5 + 9.8

= 49.5

Margin = Limit – Result

= 56 - 49.5

= 6.5

2.4 Radiated Emission

The initial preliminary exploratory scans were performed over the measuring frequency range (0.009 MHz to 30 MHz) using a max hold mode incorporating a Average detector by using the EMI measuring software. The final test data was measured using a Average detector.

Measurements were made with the antenna positioned in both the horizontal and vertical planes of polarization. The antenna height was varied from 1 m to 4 m and the EUT was rotated 360° to find the maximum emitting point for each frequency.

Note. Measuring software

- Giheung Lab.: EMC32(V10.40.10) from R&S
- Gunpo Lab.: EP5RE(V5.3.70) from TOYO
- Dongtan Lab.: EMC32(V10.40.10) from R&S

2.4.1 Test Equipments

Equipment	Model	Manufacturer	Serial No	Cal Due. Date
EMI TEST RECEIVER	ESU40	R&S	100075	2024.01.19
LOOP ANTENNA	HFH2-Z2	R&S	827525/002	2024.03.03
EMH-1Lab-RE-05	-	-	-	2023.07.09
EMH-1Lab-RE-06	-	-	-	2023.07.09

Note: The calibration period of every equipment is 1 year.

2.4.2 Test Site

10 m SEMI-ANECHOIC CHAMBER in Giheung Laboratory

2.4.3 Environment Conditions

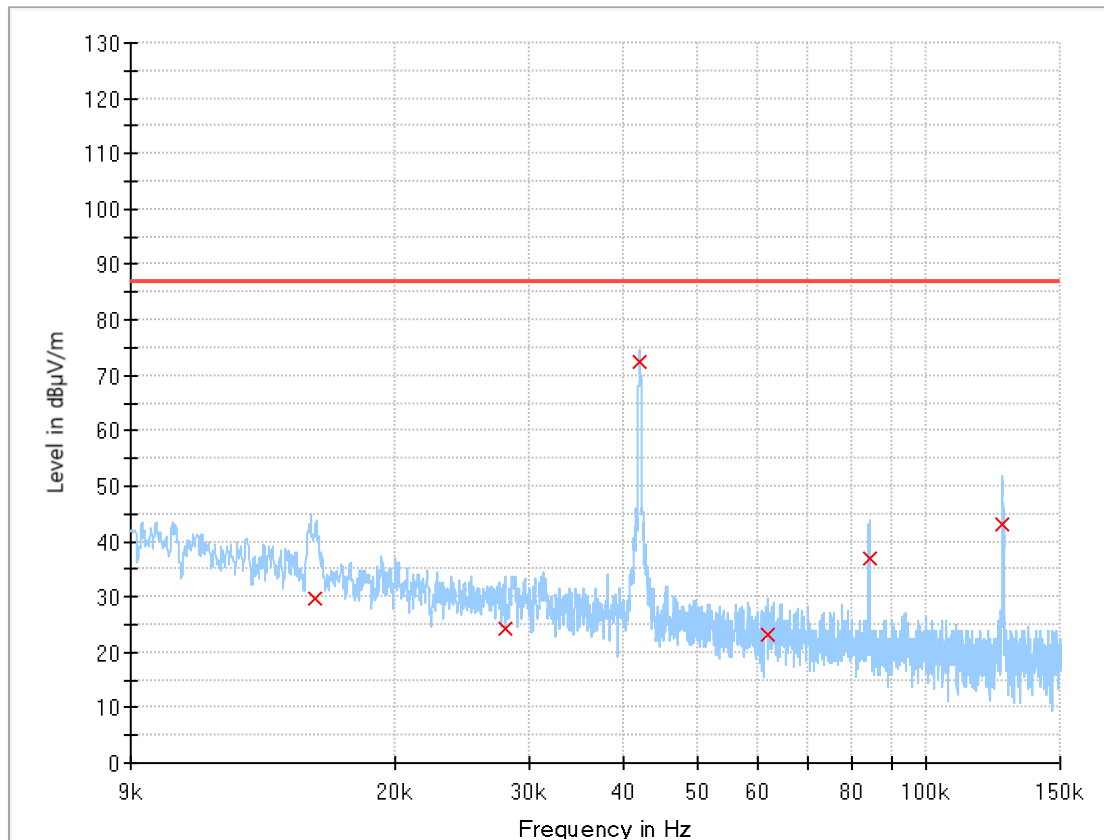
0.009 MHz ~ 30 MHz

Temperature	(Minimum 18.2, Maximum 19.6) °C
Humidity	(Minimum 31.0, Maximum 33.0) % R.H.
Atmospheric Pressure	(Minimum 100.7, Maximum 100.7) kPa
Test Date	April 26, 2023

2.4.4 Test Results

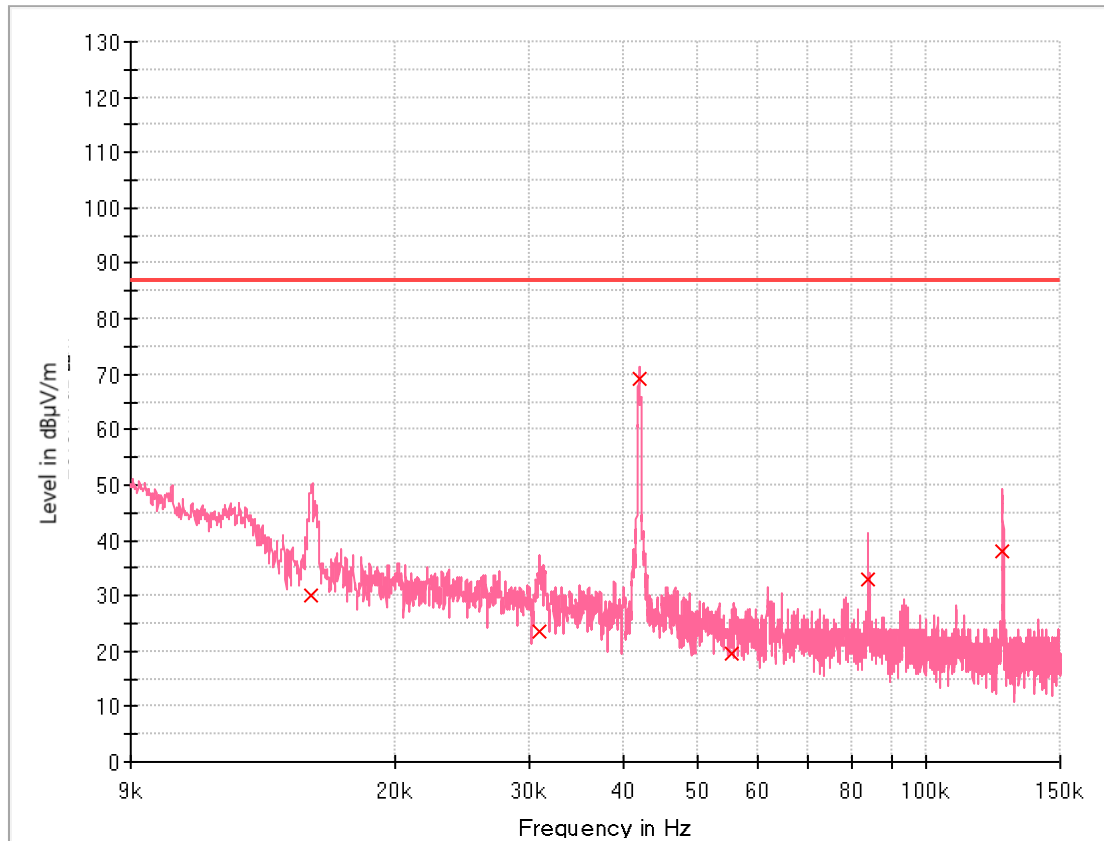
① 0.009 MHz ~ 0.15 MHz (10 m method)

1) 208 V Left Rear Cooking Zone Level 9 Operating Mode



Final Result

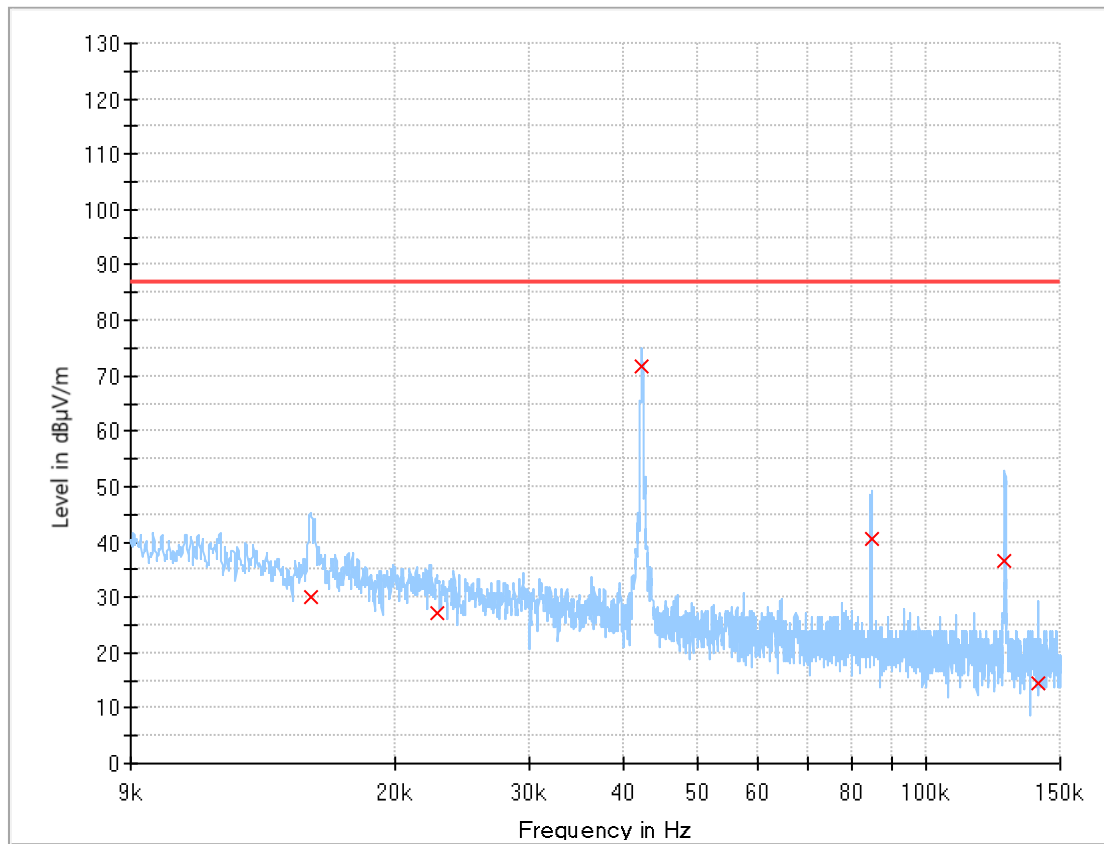
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	29.70	86.87	57.17	15 000.0	0.200	H	208.0	20.0
0.028	24.26	86.87	62.61	15 000.0	0.200	H	0.0	20.1
0.042	72.52	86.87	14.35	15 000.0	0.200	H	54.0	20.2
0.062	23.28	86.87	63.59	15 000.0	0.200	H	359.0	20.3
0.084	36.98	86.87	49.89	15 000.0	0.200	H	0.0	20.3
0.126	42.95	86.87	43.92	15 000.0	0.200	H	359.0	20.3



Final Result

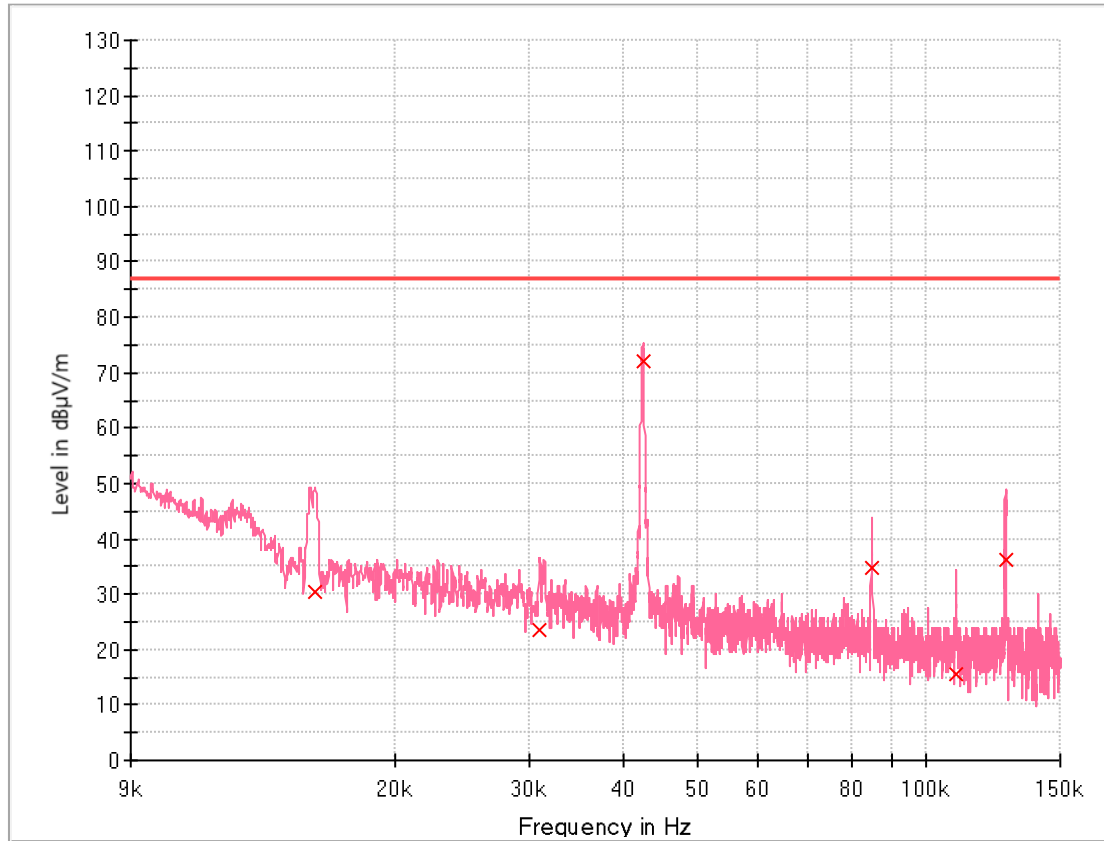
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	29.92	86.87	56.95	15 000.0	0.200	V	131.0	20.0
0.031	23.45	86.87	63.42	15 000.0	0.200	V	53.0	20.2
0.042	69.20	86.87	17.67	15 000.0	0.200	V	0.0	20.2
0.056	19.50	86.87	67.37	15 000.0	0.200	V	0.0	20.3
0.084	33.06	86.87	53.81	15 000.0	0.200	V	131.0	20.3
0.126	38.09	86.87	48.78	15 000.0	0.200	V	285.0	20.3

2) 208 V Left Front Cooking Zone Level 9 Operating Mode



Final Result

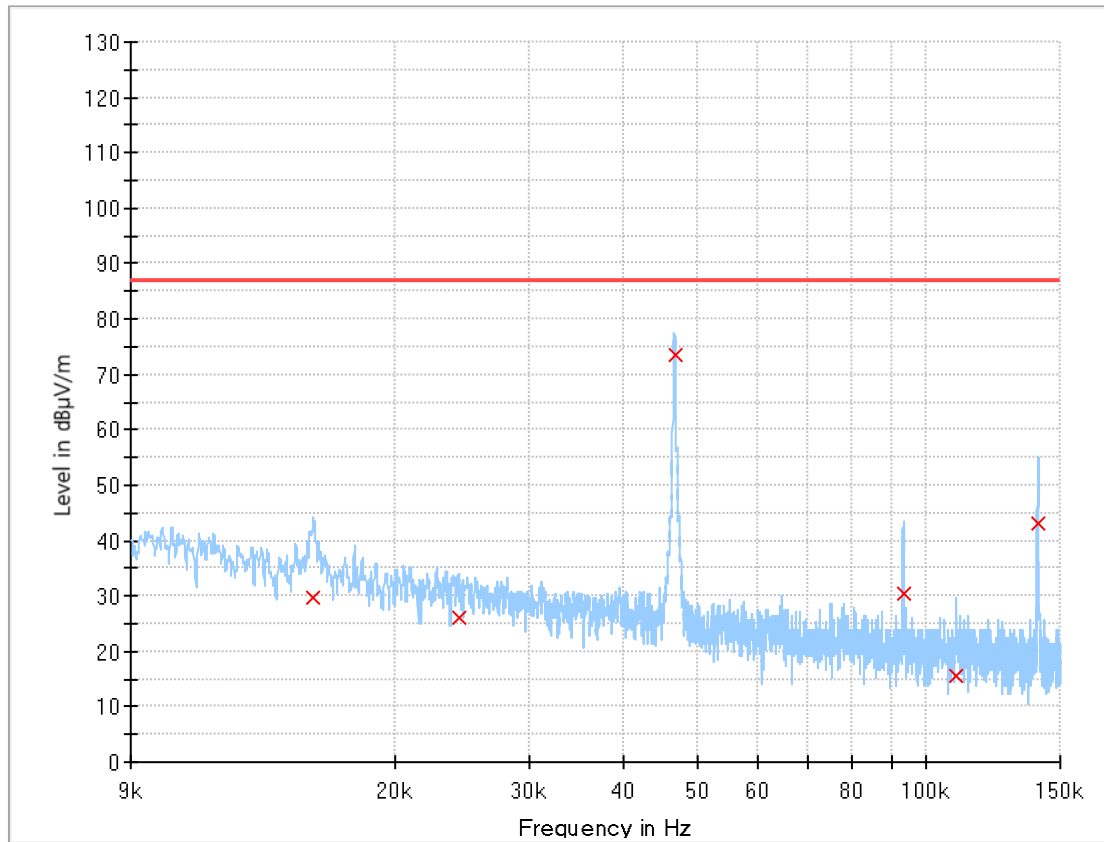
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.015	29.98	86.87	56.89	15 000.0	0.200	H	209.0	20.0
0.023	27.10	86.87	59.77	15 000.0	0.200	H	0.0	20.1
0.042	71.52	86.87	15.35	15 000.0	0.200	H	131.0	20.2
0.085	40.59	86.87	46.28	15 000.0	0.200	H	0.0	20.3
0.127	36.68	86.87	50.19	15 000.0	0.200	H	209.0	20.3
0.141	14.38	86.87	72.49	15 000.0	0.200	H	54.0	20.3



Final Result

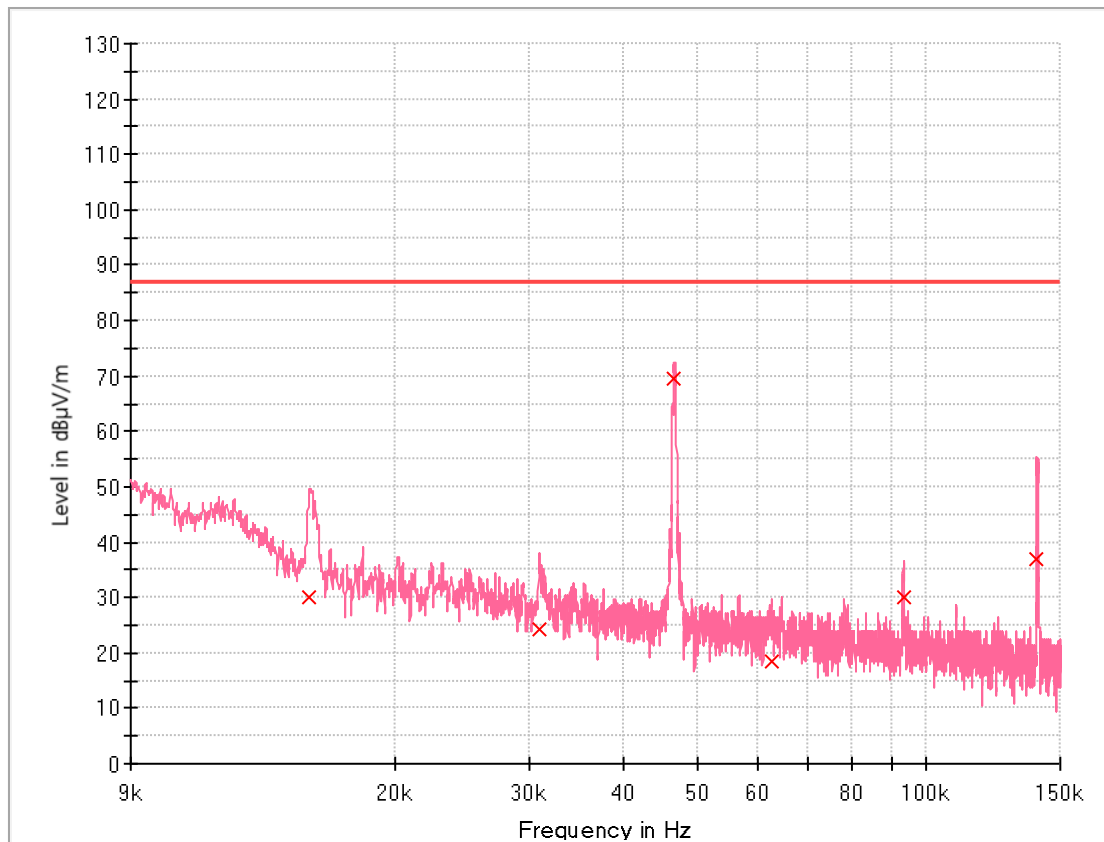
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	30.55	86.87	56.32	15 000.0	0.200	V	207.0	20.0
0.031	23.48	86.87	63.39	15 000.0	0.200	V	207.0	20.2
0.042	71.90	86.87	14.97	15 000.0	0.200	V	53.0	20.2
0.085	34.82	86.87	52.05	15 000.0	0.200	V	129.0	20.3
0.109	15.50	86.87	71.37	15 000.0	0.200	V	53.0	20.3
0.127	36.07	86.87	50.80	15 000.0	0.200	V	0.0	20.3

3) 208 V Right Front Cooking Zone Level 9 Operating Mode



Final Result

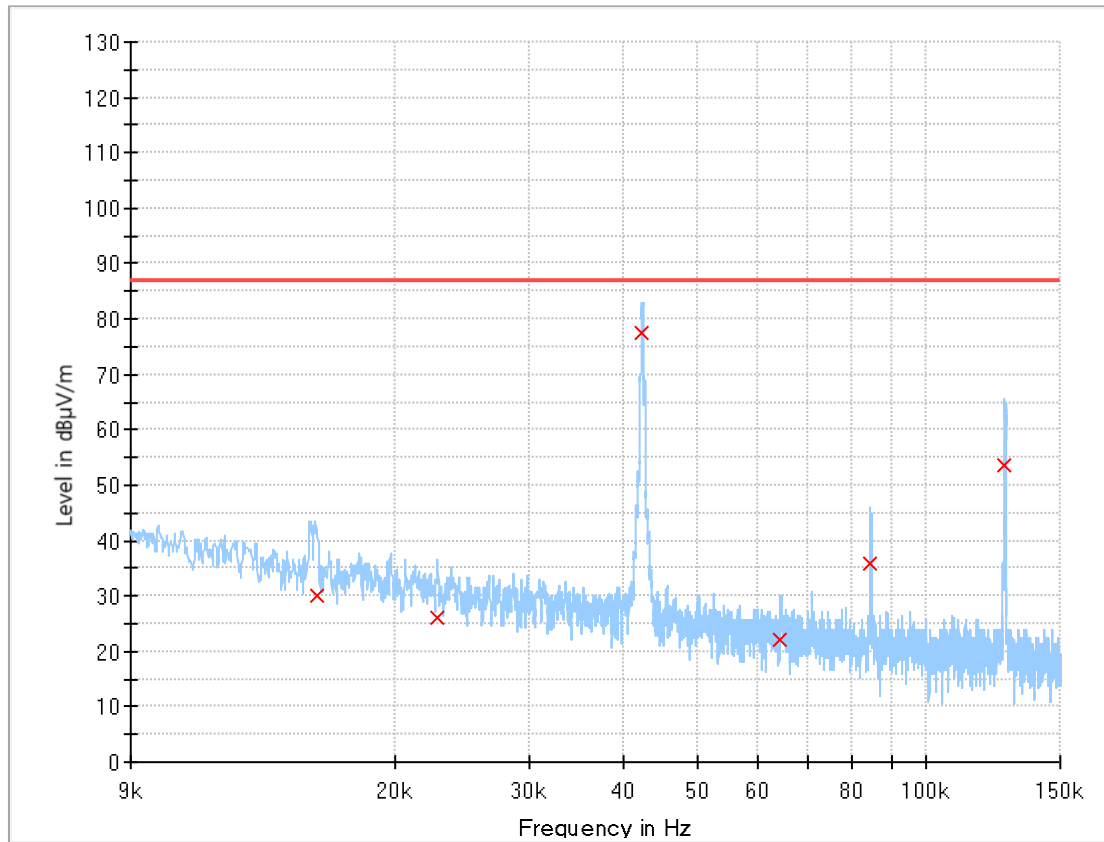
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	29.77	86.87	57.10	15 000.0	0.200	H	130.0	20.0
0.024	25.93	86.87	60.94	15 000.0	0.200	H	359.0	20.1
0.047	73.42	86.87	13.45	15 000.0	0.200	H	359.0	20.2
0.093	30.36	86.87	56.51	15 000.0	0.200	H	53.0	20.3
0.109	15.70	86.87	71.17	15 000.0	0.200	H	53.0	20.3
0.140	43.09	86.87	43.78	15 000.0	0.200	H	359.0	20.3



Final Result

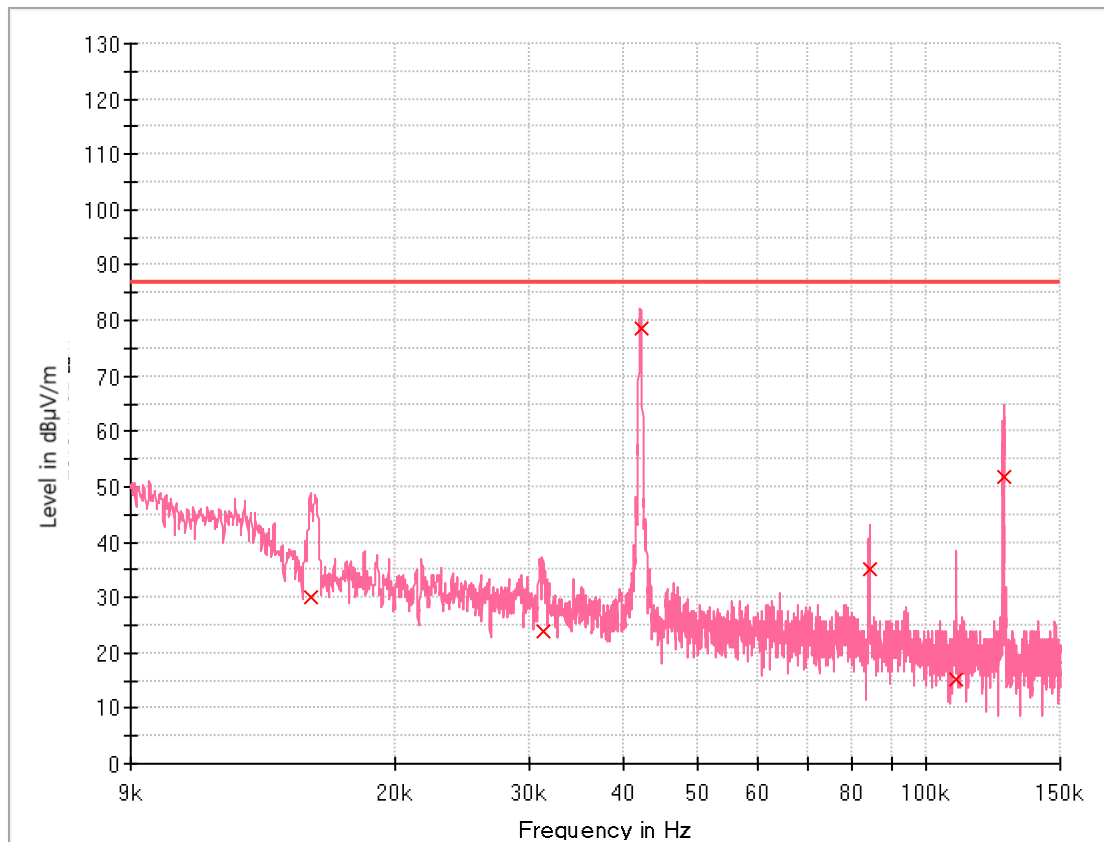
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.015	30.21	86.87	56.66	15 000.0	0.200	V	207.0	20.0
0.031	24.37	86.87	62.50	15 000.0	0.200	V	285.0	20.2
0.047	69.69	86.87	17.18	15 000.0	0.200	V	0.0	20.2
0.063	18.31	86.87	68.56	15 000.0	0.200	V	131.0	20.3
0.093	30.04	86.87	56.83	15 000.0	0.200	V	131.0	20.3
0.140	36.88	86.87	49.99	15 000.0	0.200	V	207.0	20.3

4) 208 V Right Rear Cooking Zone Level 9 Operating Mode



Final Result

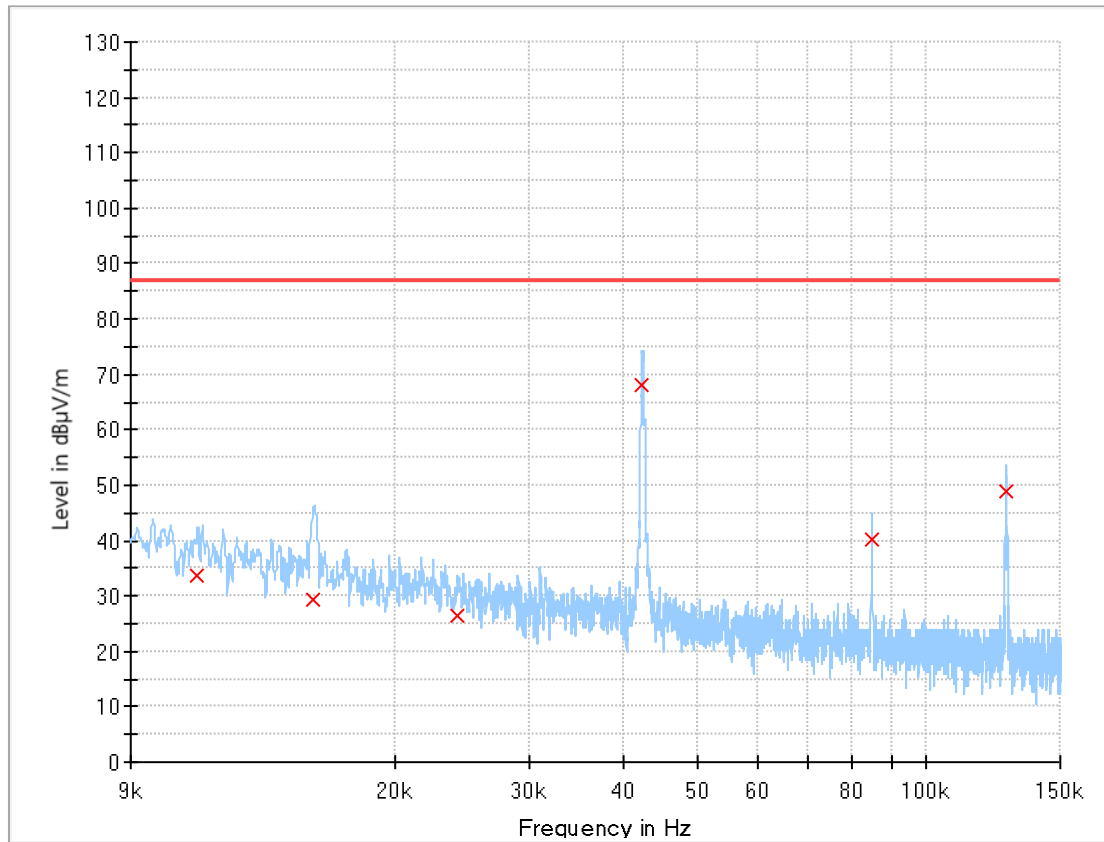
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	29.96	86.87	56.91	15 000.0	0.200	H	208.0	20.0
0.023	25.95	86.87	60.92	15 000.0	0.200	H	0.0	20.1
0.042	77.35	86.87	9.52	15 000.0	0.200	H	53.0	20.2
0.064	22.27	86.87	64.60	15 000.0	0.200	H	0.0	20.3
0.085	35.85	86.87	51.02	15 000.0	0.200	H	0.0	20.3
0.127	53.46	86.87	33.41	15 000.0	0.200	H	0.0	20.3



Final Result

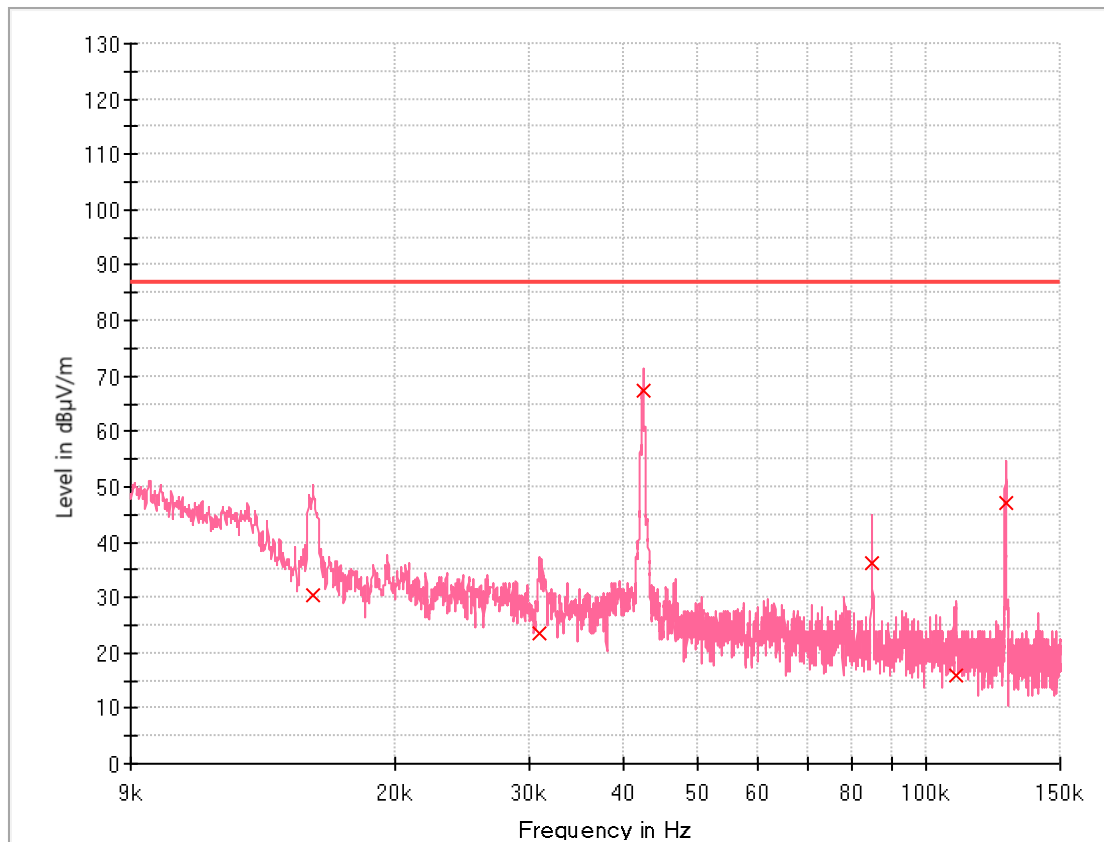
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	29.93	86.87	56.94	15 000.0	0.200	V	50.0	20.0
0.031	23.86	86.87	63.01	15 000.0	0.200	V	127.0	20.2
0.042	78.53	86.87	8.34	15 000.0	0.200	V	127.0	20.2
0.084	35.07	86.87	51.80	15 000.0	0.200	V	358.0	20.3
0.109	15.27	86.87	71.60	15 000.0	0.200	V	50.0	20.3
0.126	51.94	86.87	34.93	15 000.0	0.200	V	358.0	20.3

5) 208 V Dual Cooking Zone Level 9 Operating Mode



Final Result

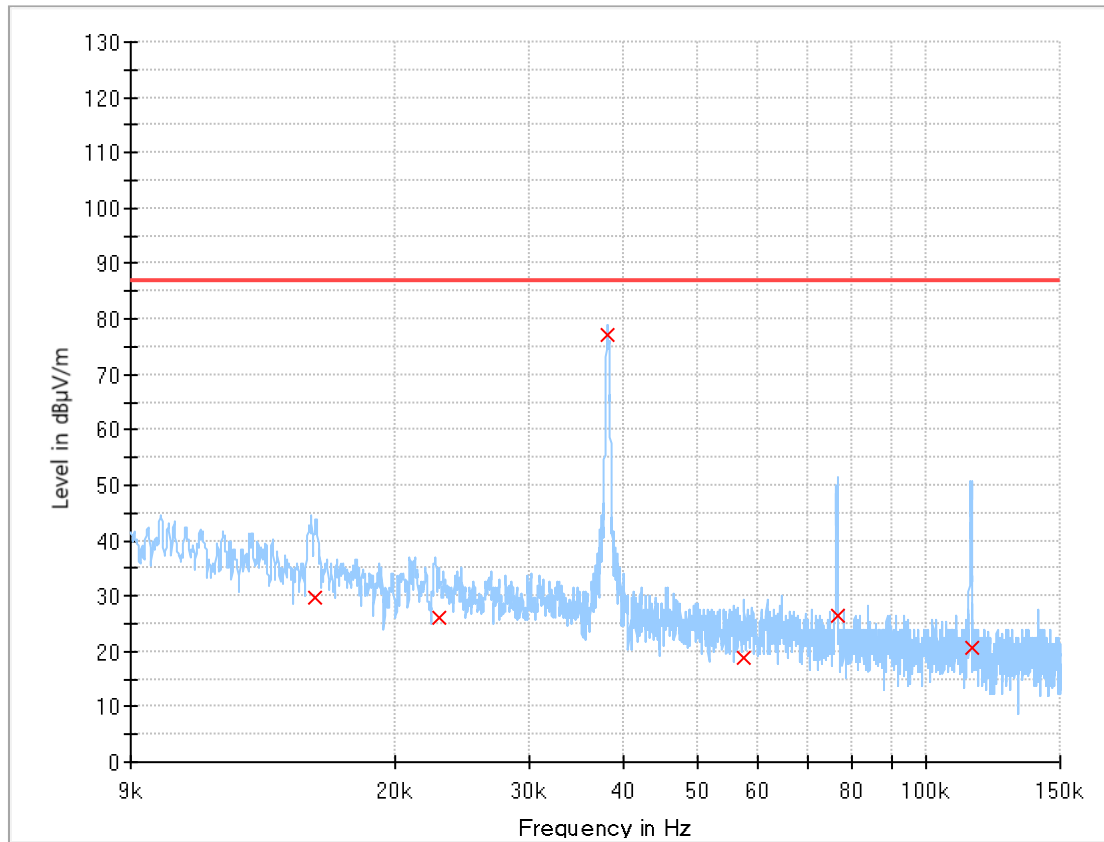
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.011	33.63	86.87	53.24	15 000.0	0.200	H	285.0	19.9
0.016	29.41	86.87	57.46	15 000.0	0.200	H	54.0	20.0
0.024	26.43	86.87	60.44	15 000.0	0.200	H	208.0	20.1
0.042	68.15	86.87	18.72	15 000.0	0.200	H	0.0	20.2
0.085	40.14	86.87	46.73	15 000.0	0.200	H	0.0	20.3
0.127	48.85	86.87	38.02	15 000.0	0.200	H	0.0	20.3



Final Result

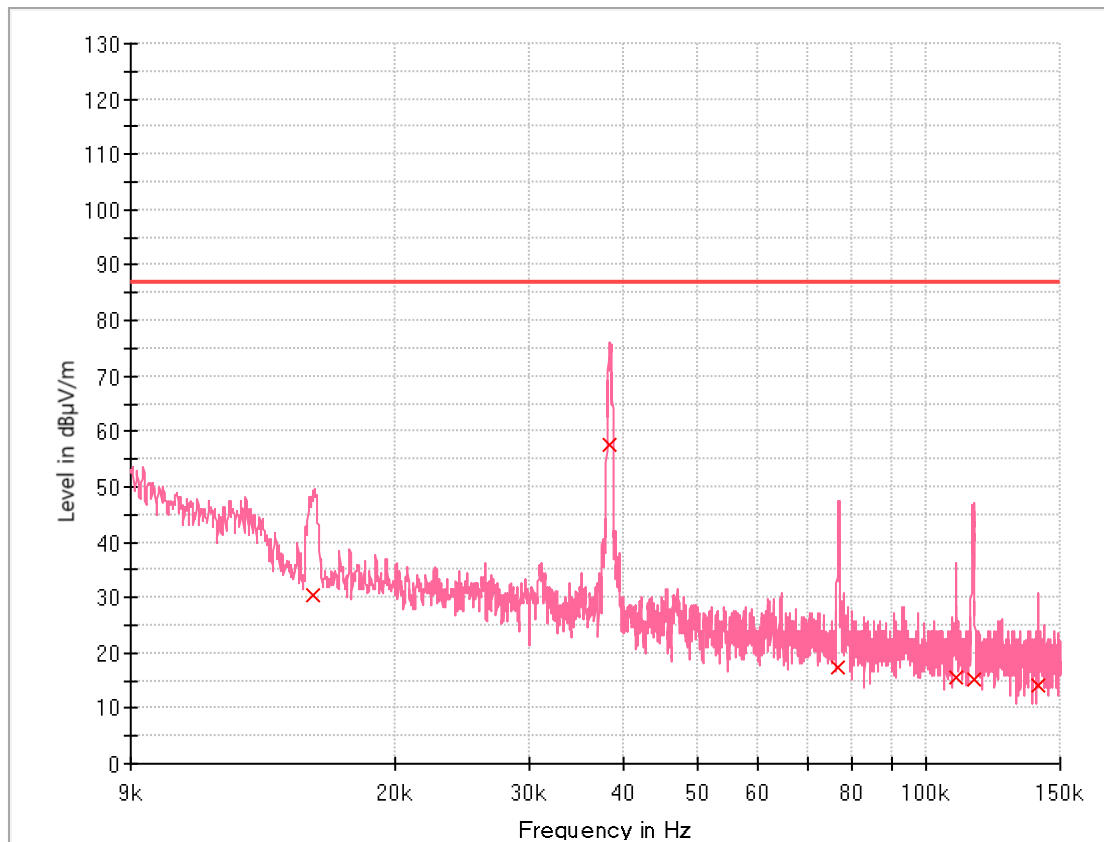
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	30.50	86.87	56.37	15 000.0	0.200	V	131.0	20.0
0.031	23.48	86.87	63.39	15 000.0	0.200	V	54.0	20.2
0.042	67.33	86.87	19.54	15 000.0	0.200	V	286.0	20.2
0.085	36.21	86.87	50.66	15 000.0	0.200	V	131.0	20.3
0.109	15.94	86.87	70.93	15 000.0	0.200	V	0.0	20.3
0.127	46.95	86.87	39.92	15 000.0	0.200	V	131.0	20.3

6) 240 V Left Rear Cooking Zone Boost Operating Mode



Final Result

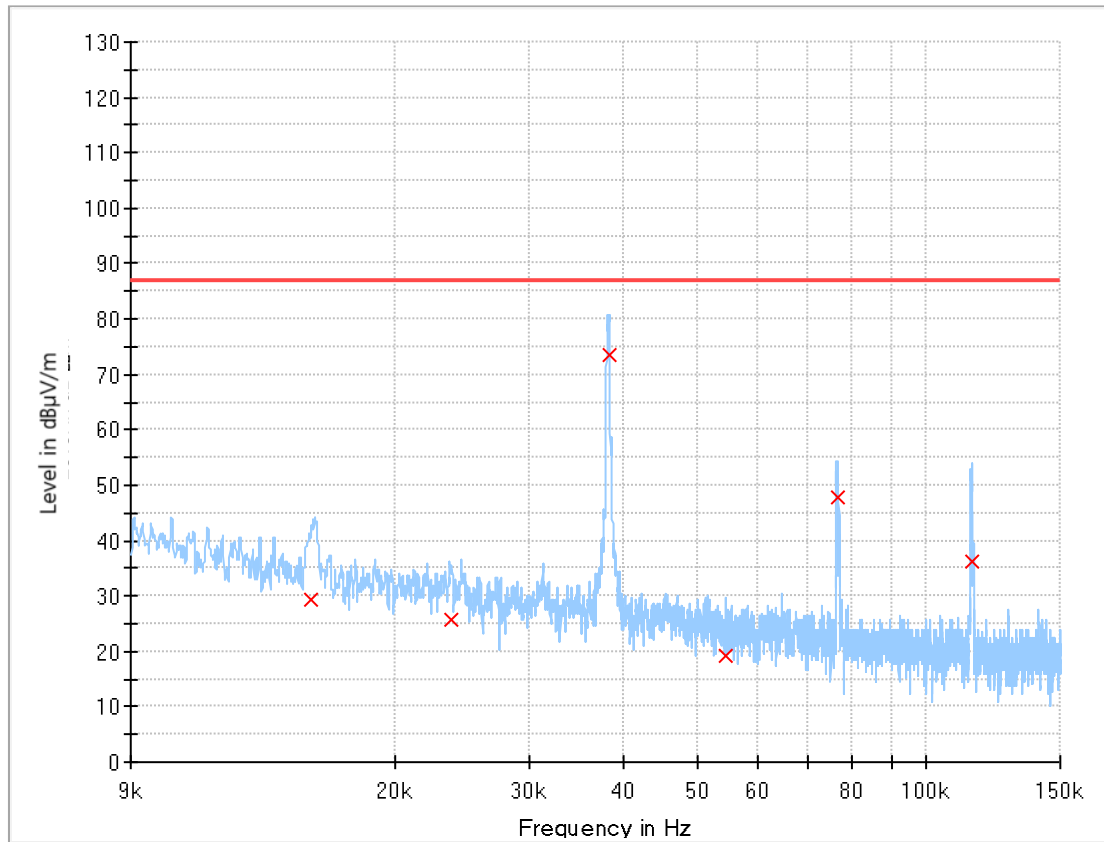
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	29.71	86.87	57.16	15 000.0	0.200	H	207.0	20.0
0.023	26.06	86.87	60.81	15 000.0	0.200	H	0.0	20.1
0.038	77.08	86.87	9.79	15 000.0	0.200	H	53.0	20.2
0.058	18.96	86.87	67.91	15 000.0	0.200	H	130.0	20.3
0.076	26.45	86.87	60.42	15 000.0	0.200	H	0.0	20.3
0.115	20.79	86.87	66.08	15 000.0	0.200	H	0.0	20.3



Final Result

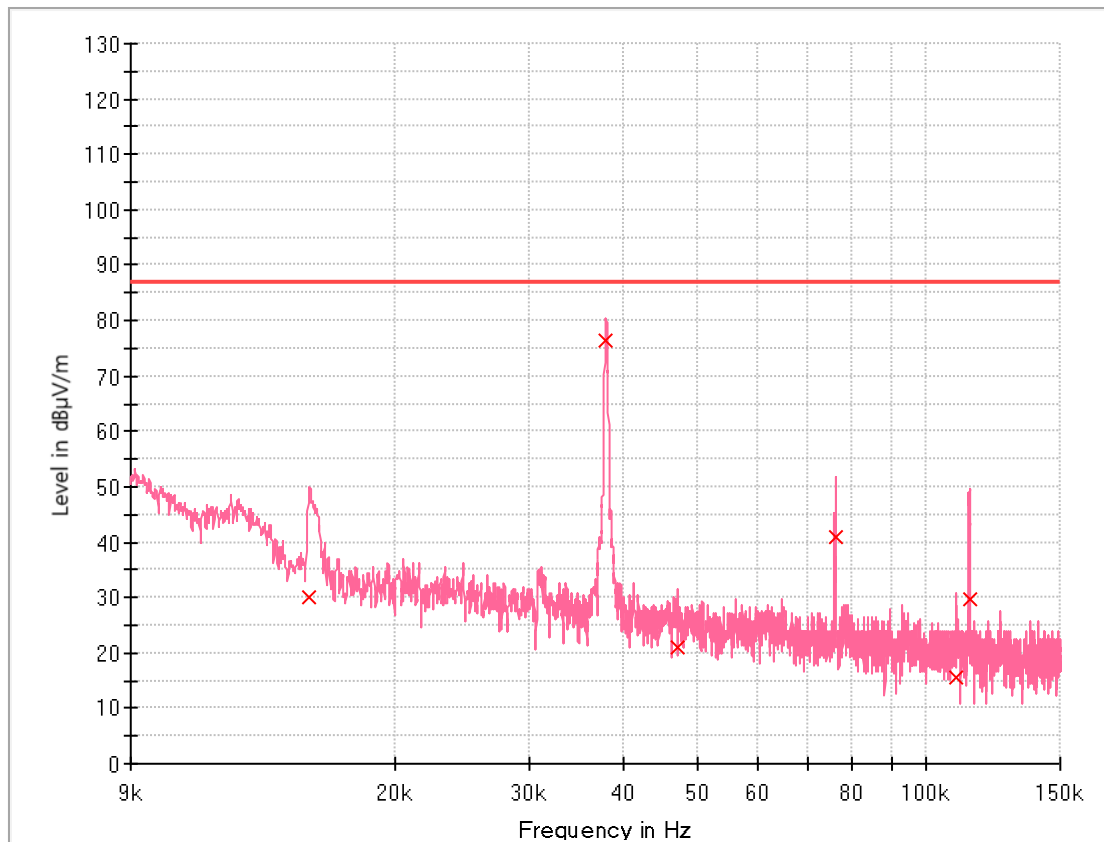
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	30.41	86.87	56.46	15 000.0	0.200	V	75.0	20.0
0.038	57.71	86.87	29.16	15 000.0	0.200	V	0.0	20.2
0.077	17.37	86.87	69.50	15 000.0	0.200	V	75.0	20.3
0.109	15.41	86.87	71.46	15 000.0	0.200	V	308.0	20.3
0.115	15.26	86.87	71.61	15 000.0	0.200	V	0.0	20.3
0.141	14.20	86.87	72.67	15 000.0	0.200	V	308.0	20.3

7) 240 V Left Front Cooking Zone Boost Operating Mode



Final Result

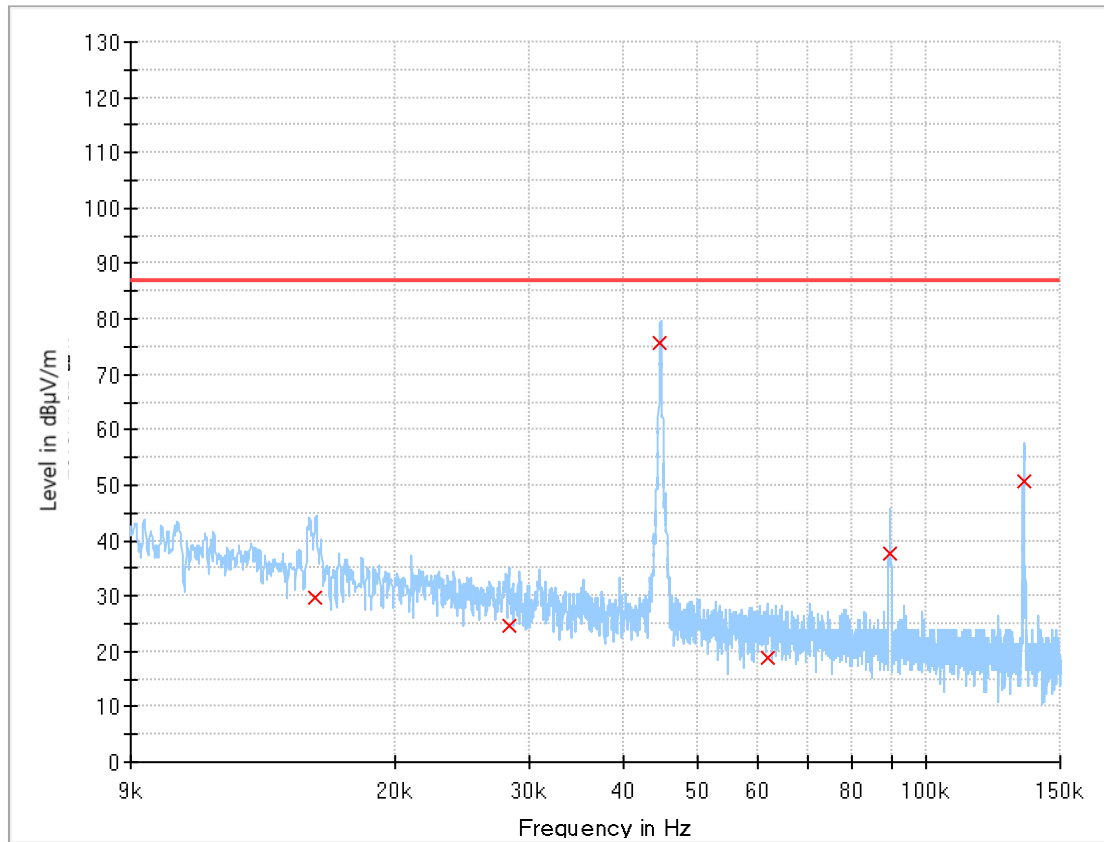
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	29.47	86.87	57.40	15 000.0	0.200	H	308.0	20.0
0.024	25.70	86.87	61.17	15 000.0	0.200	H	0.0	20.1
0.038	73.66	86.87	13.21	15 000.0	0.200	H	77.0	20.2
0.054	19.32	86.87	67.55	15 000.0	0.200	H	0.0	20.3
0.076	47.73	86.87	39.14	15 000.0	0.200	H	0.0	20.3
0.115	36.31	86.87	50.56	15 000.0	0.200	H	77.0	20.3



Final Result

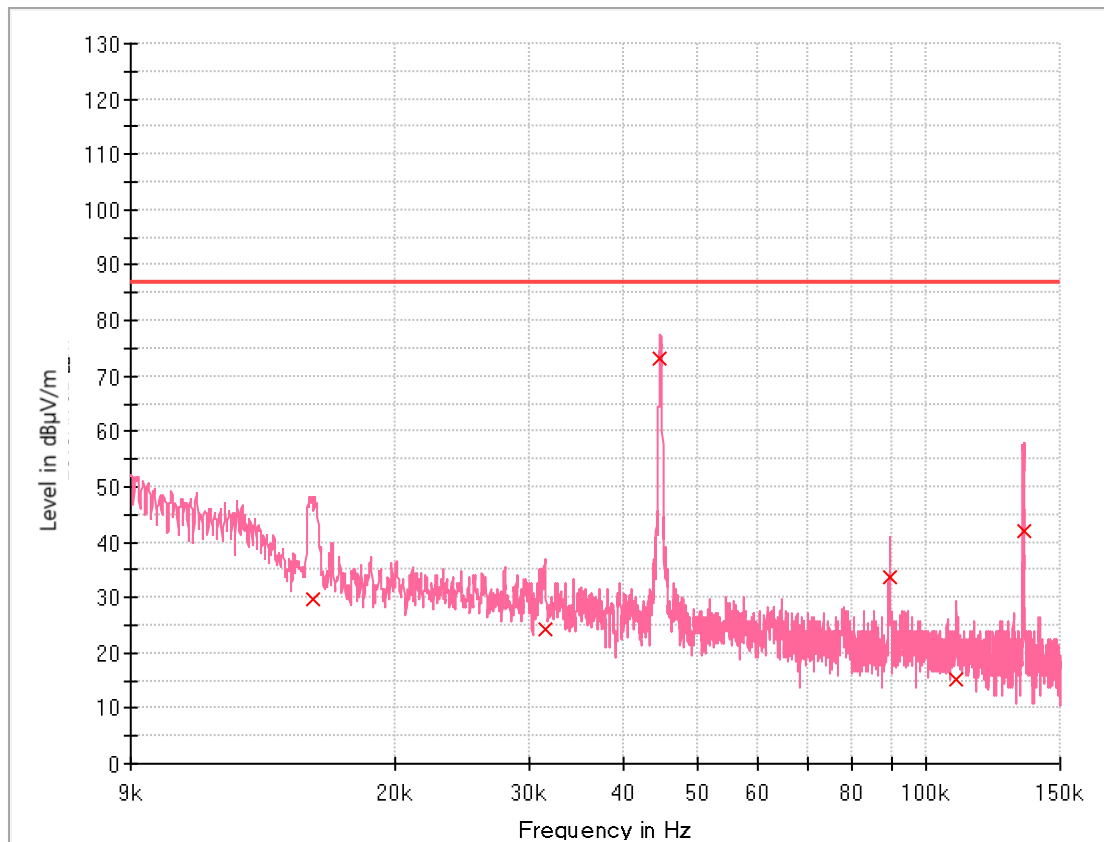
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.015	30.21	86.87	56.66	15 000.0	0.200	V	54.0	20.0
0.038	76.48	86.87	10.39	15 000.0	0.200	V	54.0	20.2
0.047	20.89	86.87	65.98	15 000.0	0.200	V	54.0	20.2
0.076	40.87	86.87	46.00	15 000.0	0.200	V	131.0	20.3
0.109	15.53	86.87	71.34	15 000.0	0.200	V	54.0	20.3
0.114	29.74	86.87	57.13	15 000.0	0.200	V	131.0	20.3

8) 240 V Right Front Cooking Zone Boost Operating Mode



Final Result

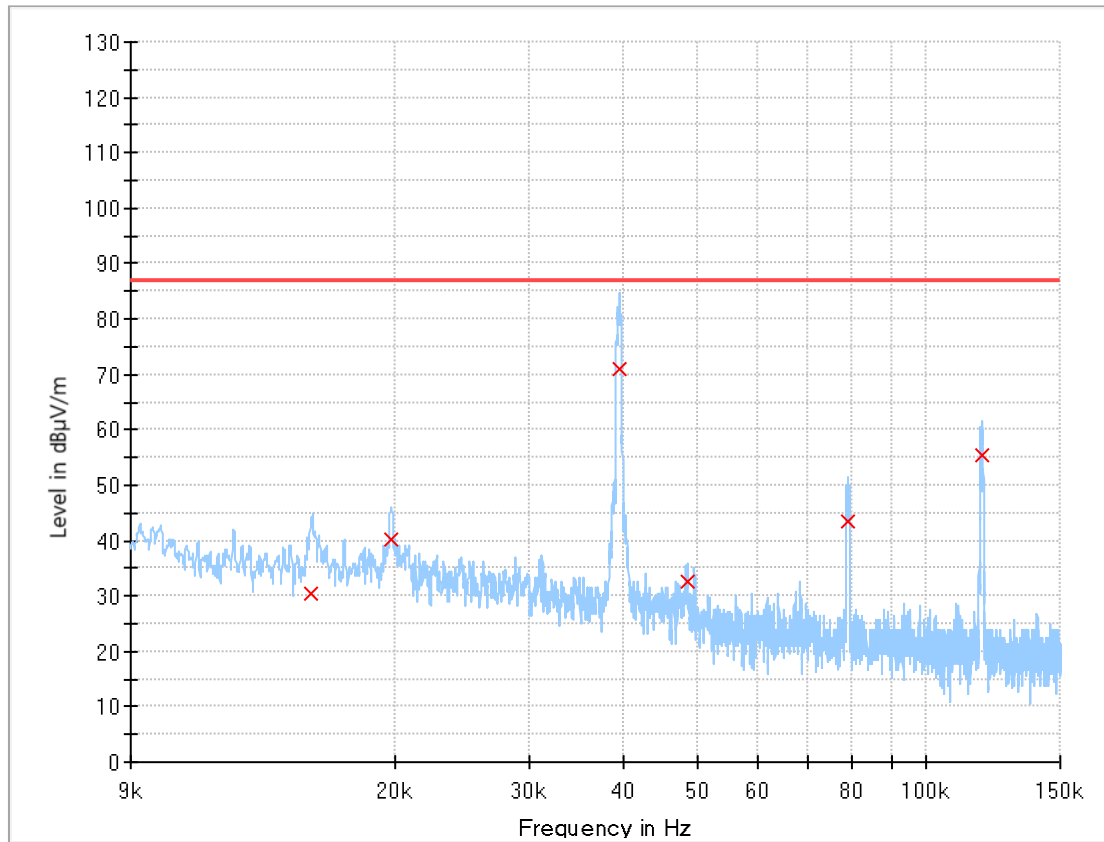
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	29.84	86.87	57.03	15 000.0	0.200	H	54.0	20.0
0.028	24.70	86.87	62.17	15 000.0	0.200	H	54.0	20.1
0.045	75.84	86.87	11.03	15 000.0	0.200	H	0.0	20.2
0.062	18.81	86.87	68.06	15 000.0	0.200	H	54.0	20.3
0.089	37.62	86.87	49.25	15 000.0	0.200	H	0.0	20.3
0.134	50.62	86.87	36.25	15 000.0	0.200	H	0.0	20.3



Final Result

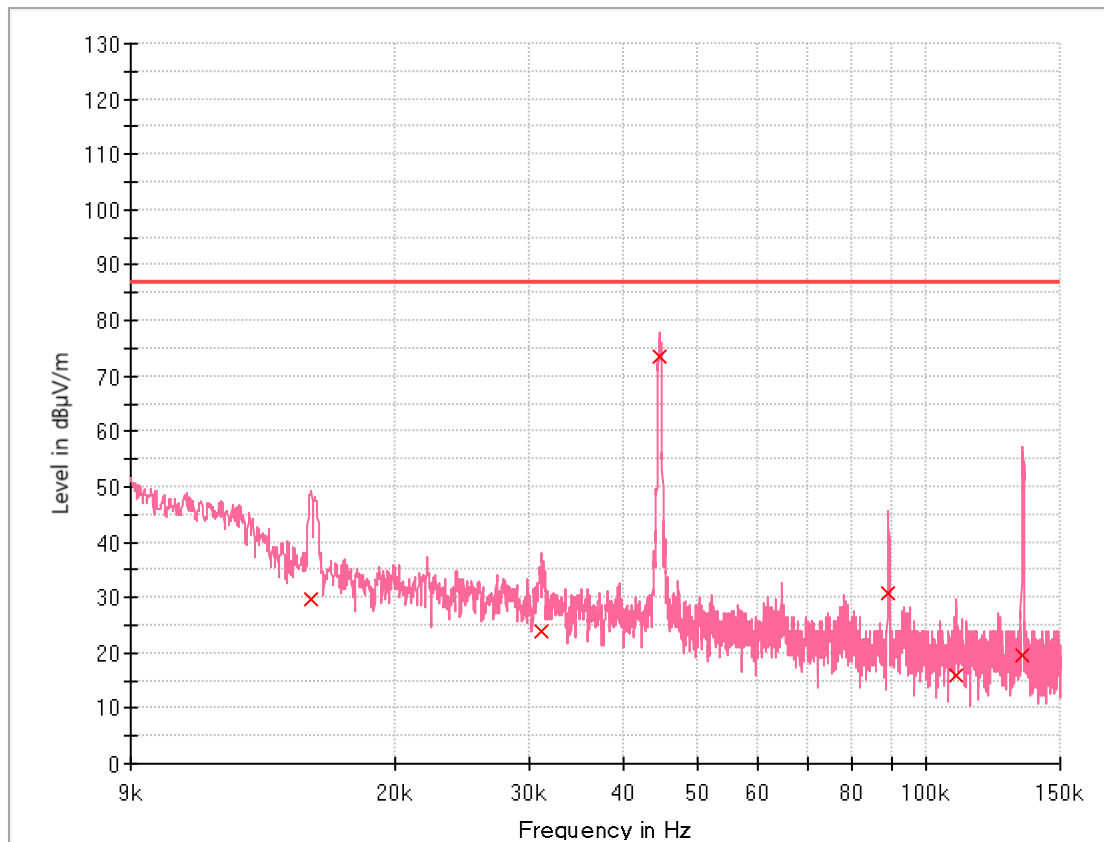
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	29.66	86.87	57.21	15 000.0	0.200	V	54.0	20.0
0.032	24.21	86.87	62.66	15 000.0	0.200	V	54.0	20.2
0.045	73.23	86.87	13.64	15 000.0	0.200	V	54.0	20.2
0.089	33.56	86.87	53.31	15 000.0	0.200	V	285.0	20.3
0.109	15.33	86.87	71.54	15 000.0	0.200	V	131.0	20.3
0.134	41.93	86.87	44.94	15 000.0	0.200	V	54.0	20.3

9) 240 V Right Rear Cooking Zone Boost Operating Mode



Final Result

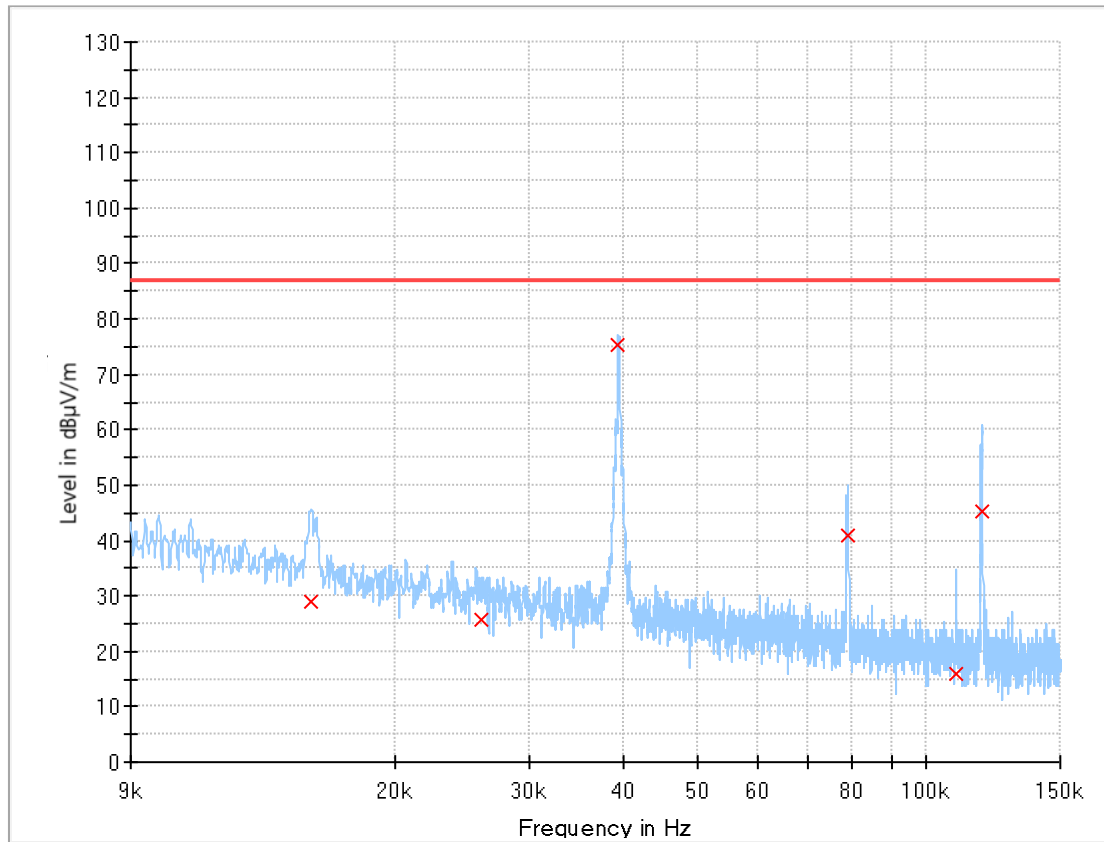
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.015	30.28	86.87	56.59	15 000.0	0.200	H	75.0	20.0
0.020	40.19	86.87	46.68	15 000.0	0.200	H	0.0	20.0
0.038	70.83	86.87	16.04	15 000.0	0.200	H	230.0	20.2
0.049	32.68	86.87	54.19	15 000.0	0.200	H	307.0	20.2
0.078	43.47	86.87	43.40	15 000.0	0.200	H	0.0	20.3
0.115	55.50	86.87	31.37	15 000.0	0.200	H	152.0	20.3



Final Result

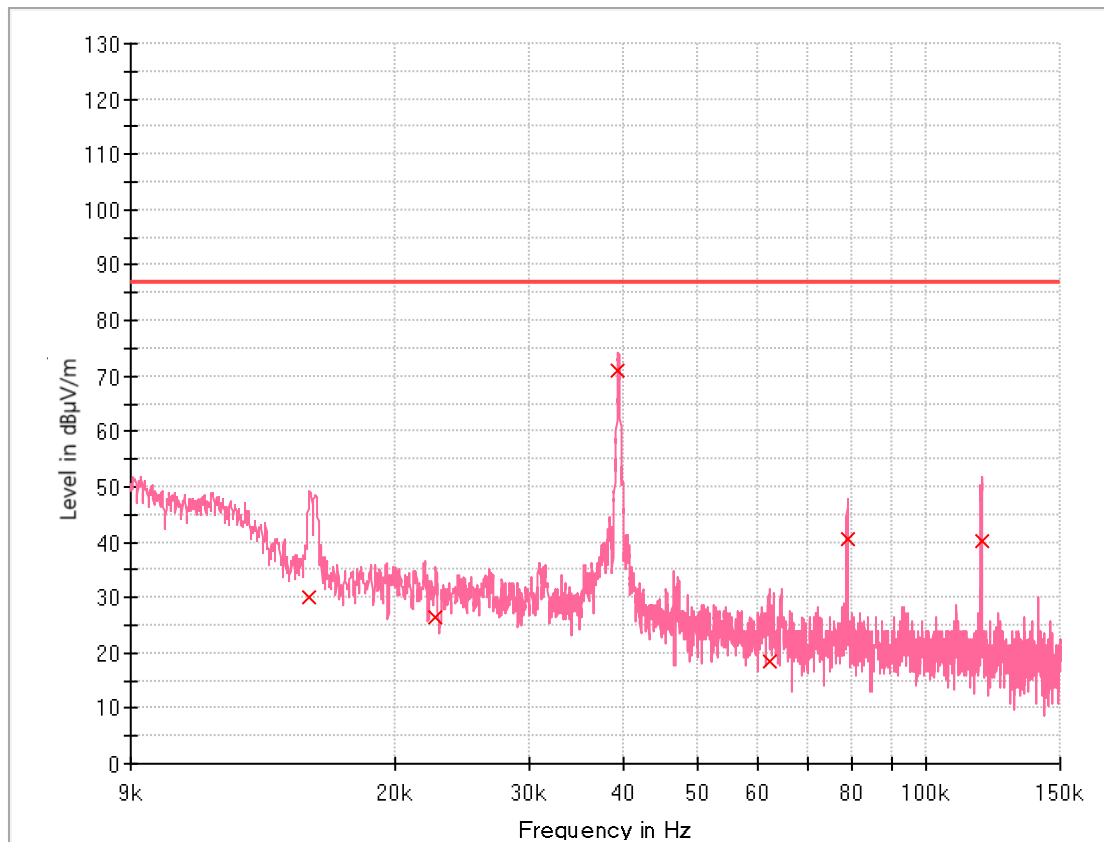
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	29.84	86.87	57.03	15 000.0	0.200	V	286.0	20.0
0.031	23.75	86.87	63.12	15 000.0	0.200	V	0.0	20.2
0.045	73.47	86.87	13.40	15 000.0	0.200	V	132.0	20.2
0.089	30.95	86.87	55.92	15 000.0	0.200	V	132.0	20.3
0.109	15.90	86.87	70.97	15 000.0	0.200	V	54.0	20.3
0.134	19.52	86.87	67.35	15 000.0	0.200	V	208.0	20.3

10) 240 V Dual Cooking Zone Operating Mode



Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.016	29.09	86.87	57.78	15 000.0	0.200	H	207.0	20.0
0.026	25.62	86.87	61.25	15 000.0	0.200	H	53.0	20.1
0.039	75.23	86.87	11.64	15 000.0	0.200	H	0.0	20.2
0.079	40.88	86.87	45.99	15 000.0	0.200	H	53.0	20.3
0.109	15.76	86.87	71.11	15 000.0	0.200	H	53.0	20.3
0.118	45.34	86.87	41.53	15 000.0	0.200	H	53.0	20.3

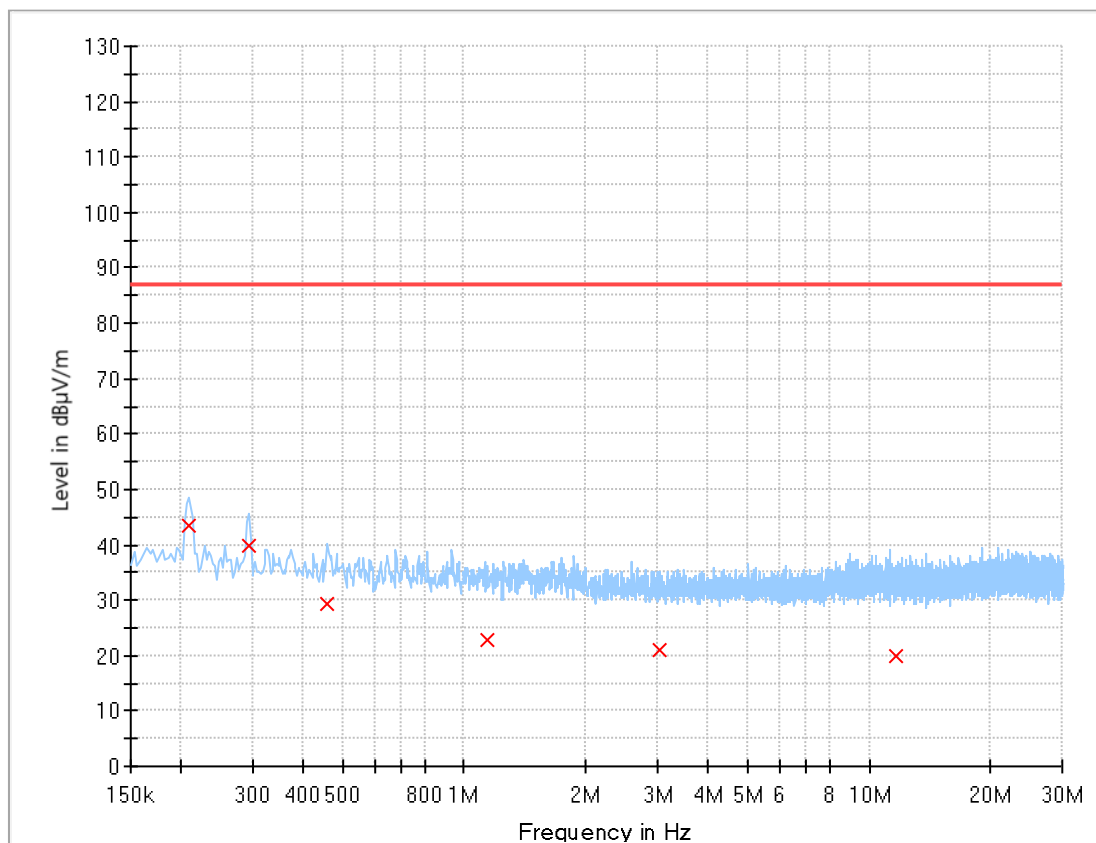


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.015	30.04	86.87	56.83	15 000.0	0.200	V	284.0	20.0
0.023	26.44	86.87	60.43	15 000.0	0.200	V	0.0	20.1
0.039	71.04	86.87	15.83	15 000.0	0.200	V	130.0	20.2
0.062	18.47	86.87	68.40	15 000.0	0.200	V	207.0	20.3
0.079	40.70	86.87	46.17	15 000.0	0.200	V	130.0	20.3
0.118	40.18	86.87	46.69	15 000.0	0.200	V	130.0	20.3

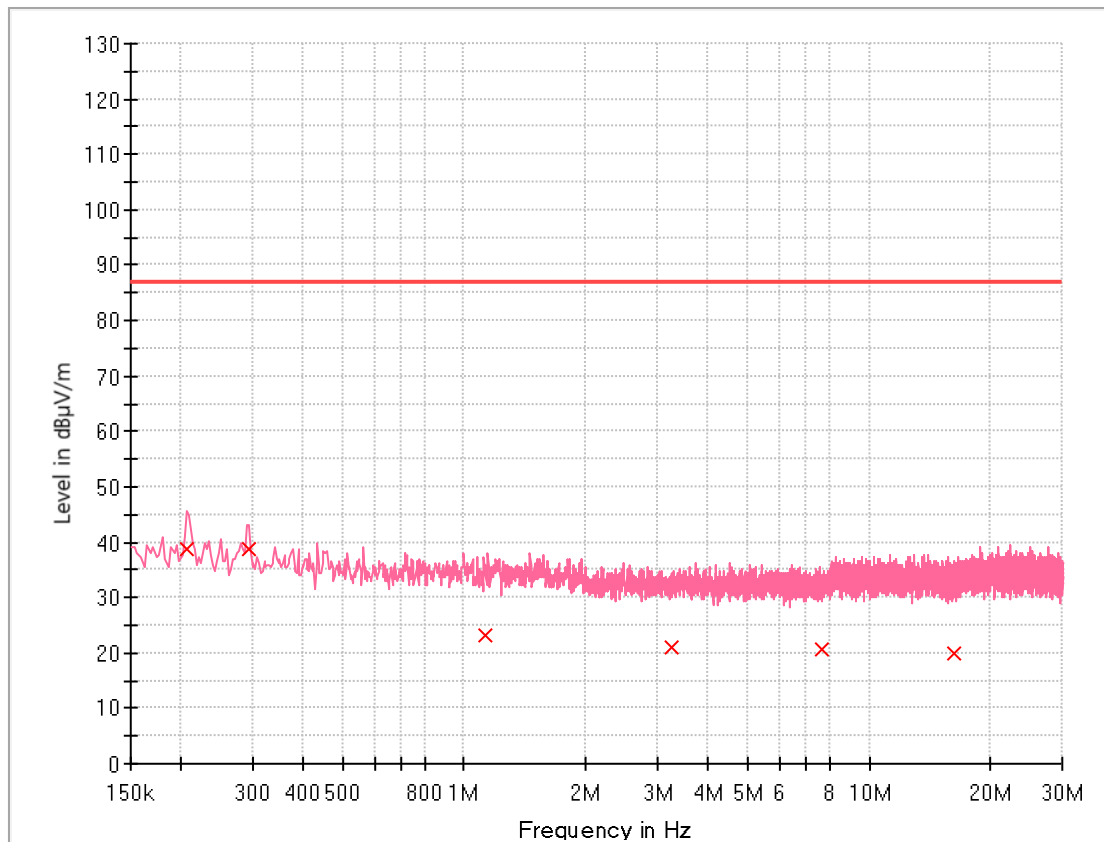
② 0.15 MHz ~ 30 MHz (10 m method)

1) 208 V Left Rear Cooking Zone Level 9 Operating Mode



Final Result

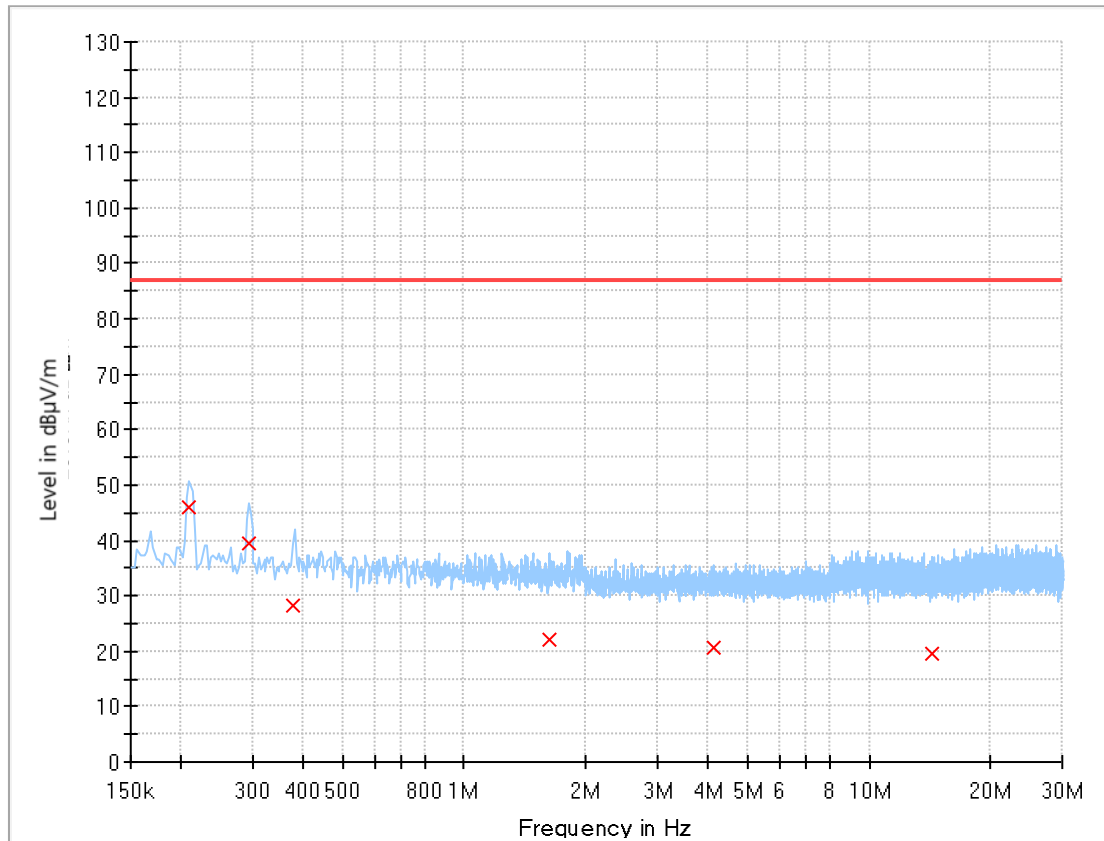
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.210	43.40	86.87	43.47	15 000.0	9.000	H	272.0	20.3
0.293	40.00	86.87	46.87	15 000.0	9.000	H	121.0	20.3
0.457	29.22	86.87	57.65	15 000.0	9.000	H	79.0	20.3
1.141	22.97	86.87	63.90	15 000.0	9.000	H	100.0	20.3
3.028	21.14	86.87	65.73	15 000.0	9.000	H	358.0	20.5
11.687	19.81	86.87	67.06	15 000.0	9.000	H	358.0	20.3



Final Result

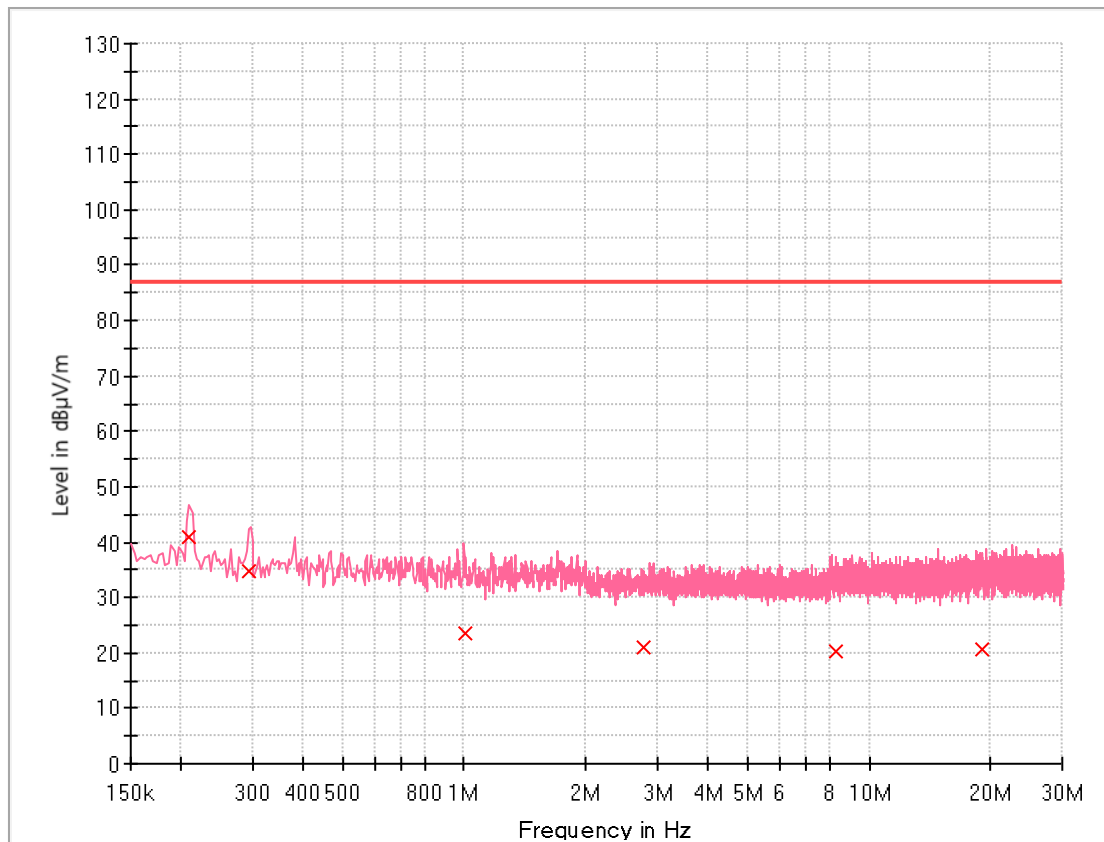
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.207	38.67	86.87	48.20	15 000.0	9.000	V	0.0	20.3
0.293	38.82	86.87	48.05	15 000.0	9.000	V	189.0	20.3
1.129	23.35	86.87	63.52	15 000.0	9.000	V	0.0	20.3
3.257	21.06	86.87	65.81	15 000.0	9.000	V	101.0	20.5
7.675	20.65	86.87	66.22	15 000.0	9.000	V	189.0	20.5
16.272	19.94	86.87	66.93	15 000.0	9.000	V	0.0	20.4

2) 208 V Left Front Cooking Zone Level 9 Operating Mode



Final Result

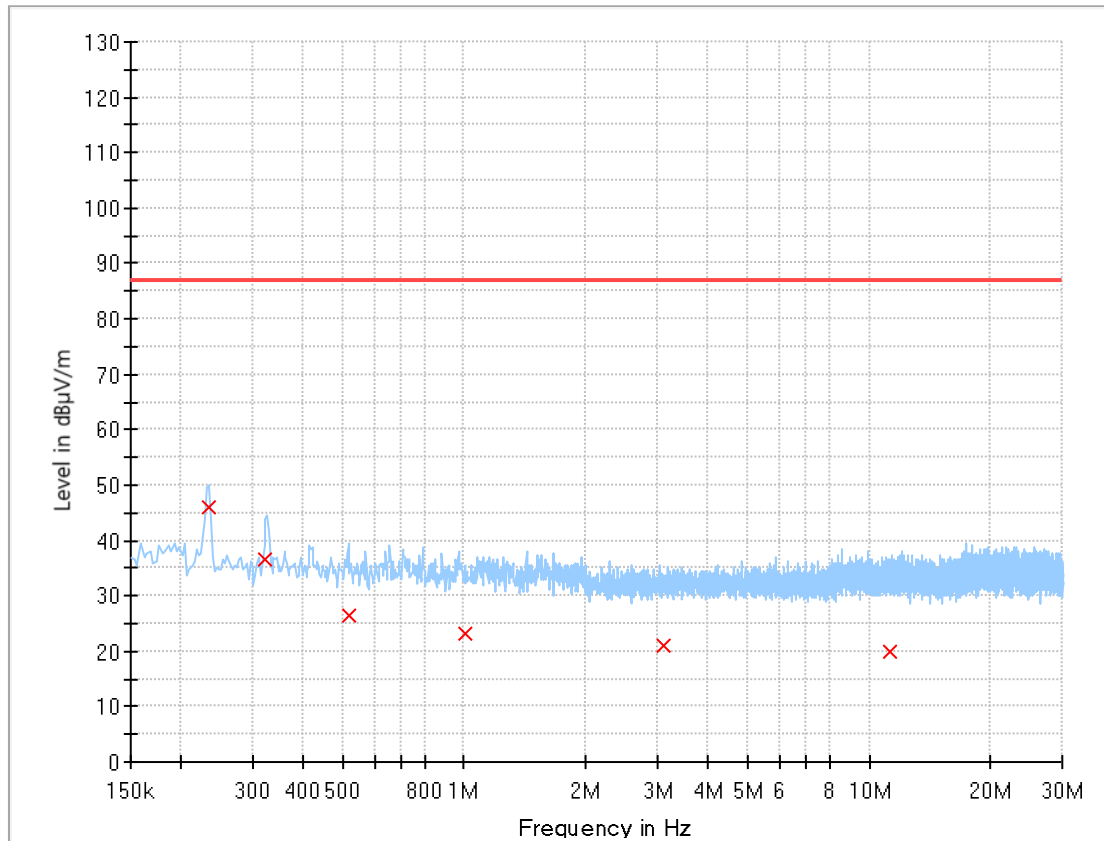
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.210	46.08	86.87	40.79	15 000.0	9.000	H	120.0	20.3
0.293	39.43	86.87	47.44	15 000.0	9.000	H	317.0	20.3
0.377	28.38	86.87	58.49	15 000.0	9.000	H	185.0	20.3
1.622	22.02	86.87	64.85	15 000.0	9.000	H	228.0	20.4
4.132	20.74	86.87	66.13	15 000.0	9.000	H	228.0	20.6
14.245	19.73	86.87	67.14	15 000.0	9.000	H	163.0	20.1



Final Result

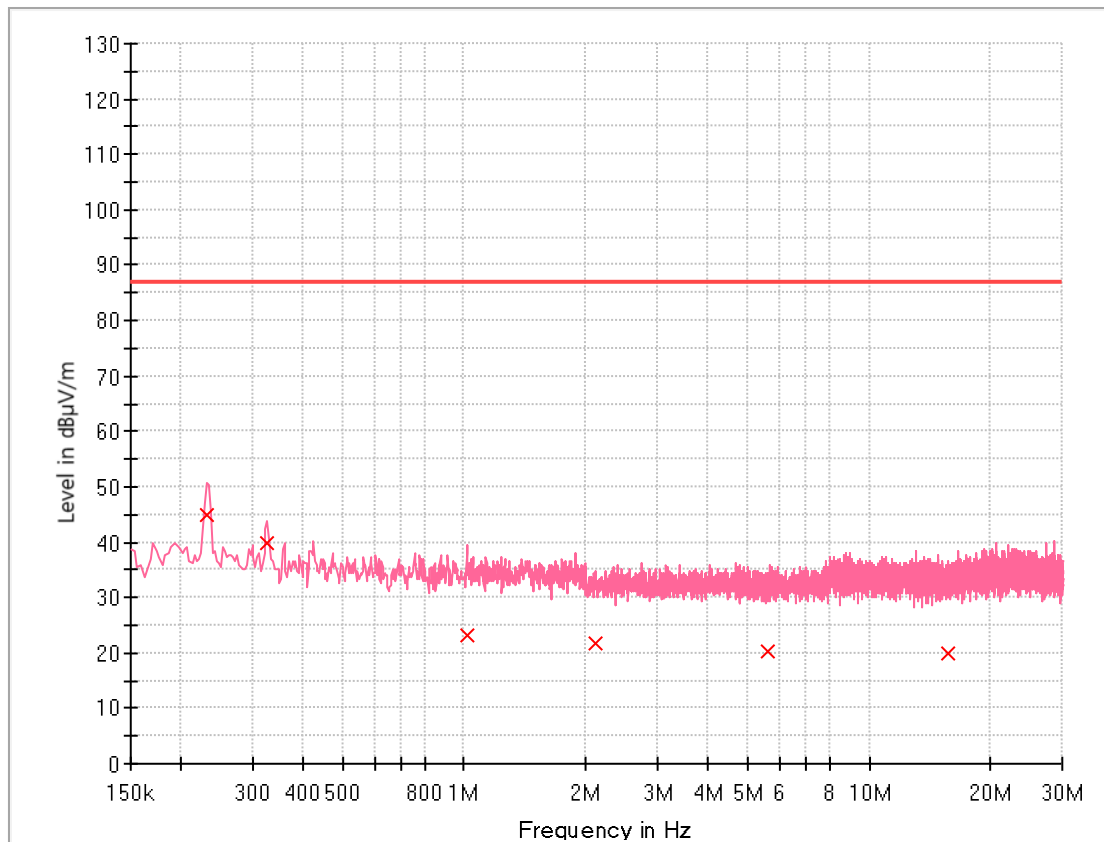
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.210	40.97	86.87	45.90	15 000.0	9.000	V	16.0	20.3
0.293	34.69	86.87	52.18	15 000.0	9.000	V	0.0	20.3
1.007	23.48	86.87	63.39	15 000.0	9.000	V	296.0	20.3
2.786	21.10	86.87	65.77	15 000.0	9.000	V	102.0	20.5
8.317	20.10	86.87	66.77	15 000.0	9.000	V	340.0	20.4
18.914	20.63	86.87	66.24	15 000.0	9.000	V	0.0	21.0

3) 208 V Right Front Cooking Zone Level 9 Operating Mode



Final Result

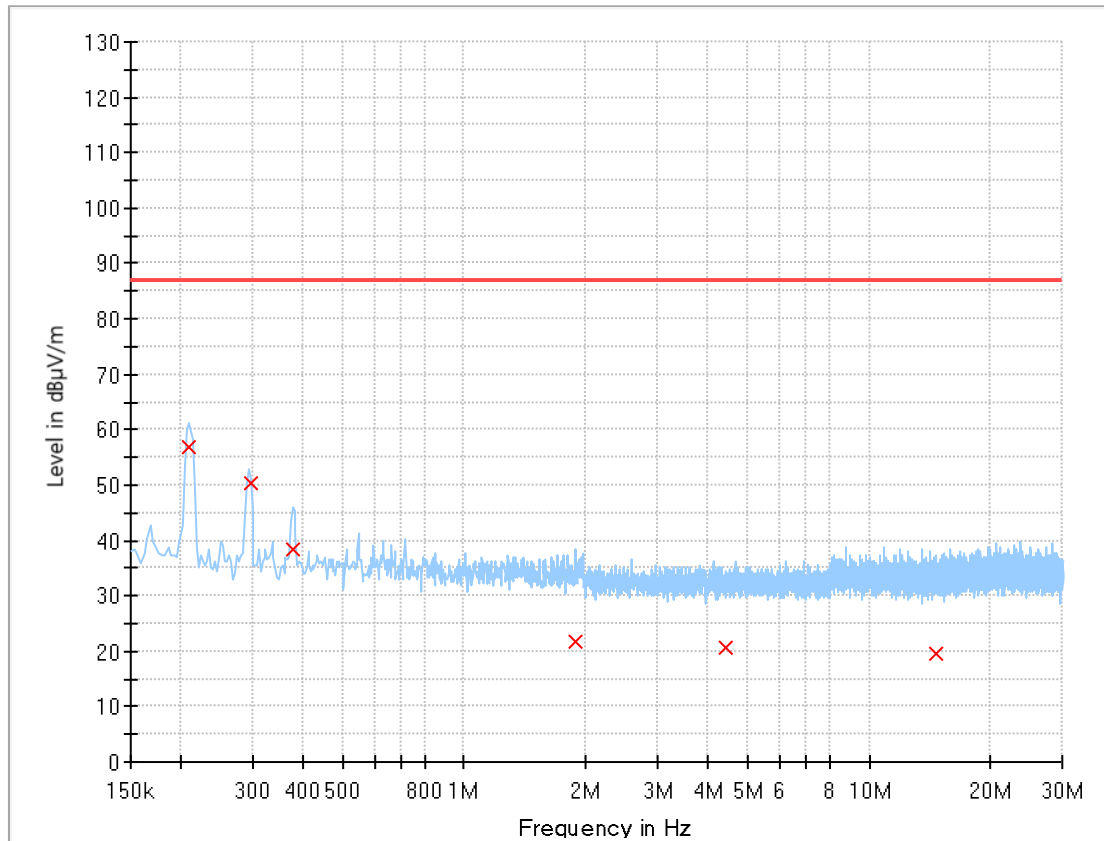
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.234	46.09	86.87	40.78	15 000.0	9.000	H	297.0	20.3
0.323	36.60	86.87	50.27	15 000.0	9.000	H	270.0	20.3
0.517	26.53	86.87	60.34	15 000.0	9.000	H	138.0	20.3
1.001	23.10	86.87	63.77	15 000.0	9.000	H	182.0	20.3
3.108	21.10	86.87	65.77	15 000.0	9.000	H	333.0	20.5
11.314	19.79	86.87	67.08	15 000.0	9.000	H	297.0	20.3



Final Result

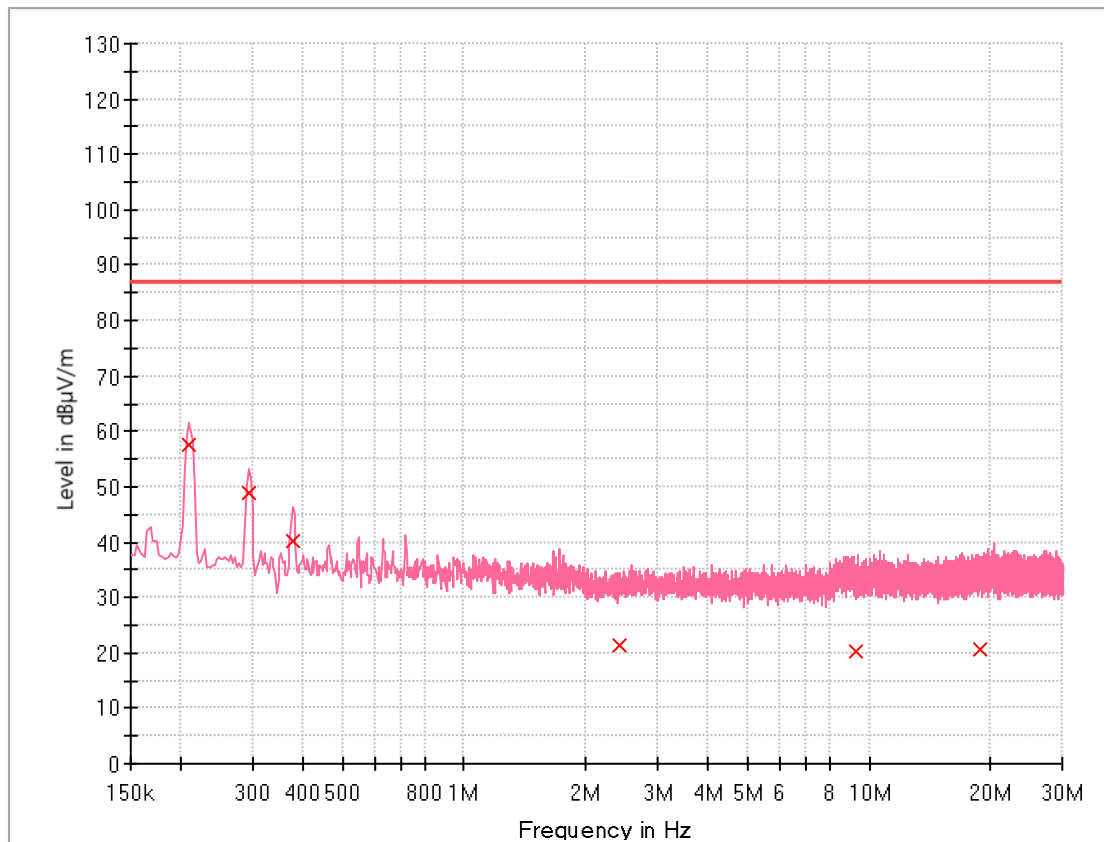
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.231	44.82	86.87	42.05	15 000.0	9.000	V	318.0	20.3
0.326	39.91	86.87	46.96	15 000.0	9.000	V	144.0	20.3
1.016	23.17	86.87	63.70	15 000.0	9.000	V	0.0	20.3
2.102	21.79	86.87	65.08	15 000.0	9.000	V	102.0	20.5
5.604	20.45	86.87	66.42	15 000.0	9.000	V	296.0	20.5
15.645	19.76	86.87	67.11	15 000.0	9.000	V	0.0	20.2

4) 208 V Right Rear Cooking Zone Level 9 Operating Mode



Final Result

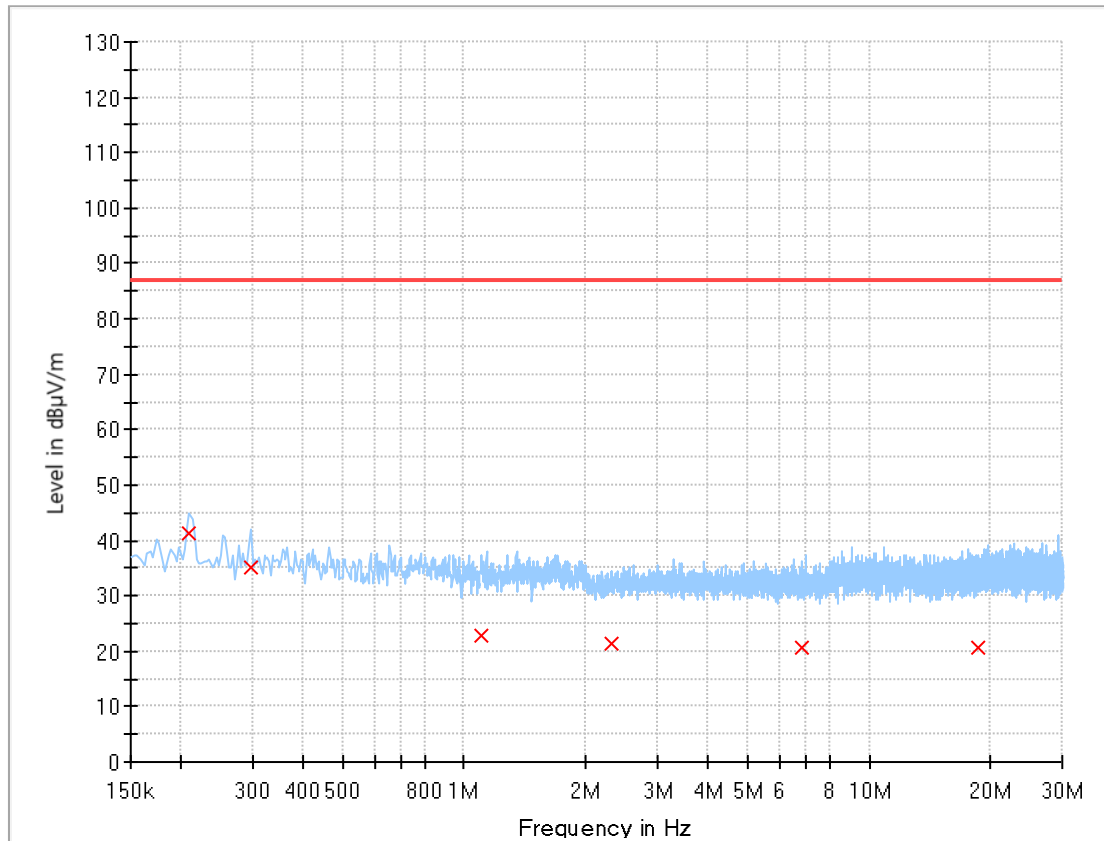
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.210	56.71	86.87	30.16	15 000.0	9.000	H	4.0	20.3
0.296	50.50	86.87	36.37	15 000.0	9.000	H	231.0	20.3
0.377	38.50	86.87	48.37	15 000.0	9.000	H	189.0	20.3
1.884	21.88	86.87	64.99	15 000.0	9.000	H	105.0	20.4
4.445	20.70	86.87	66.17	15 000.0	9.000	H	253.0	20.6
14.553	19.64	86.87	67.23	15 000.0	9.000	H	0.0	20.0



Final Result

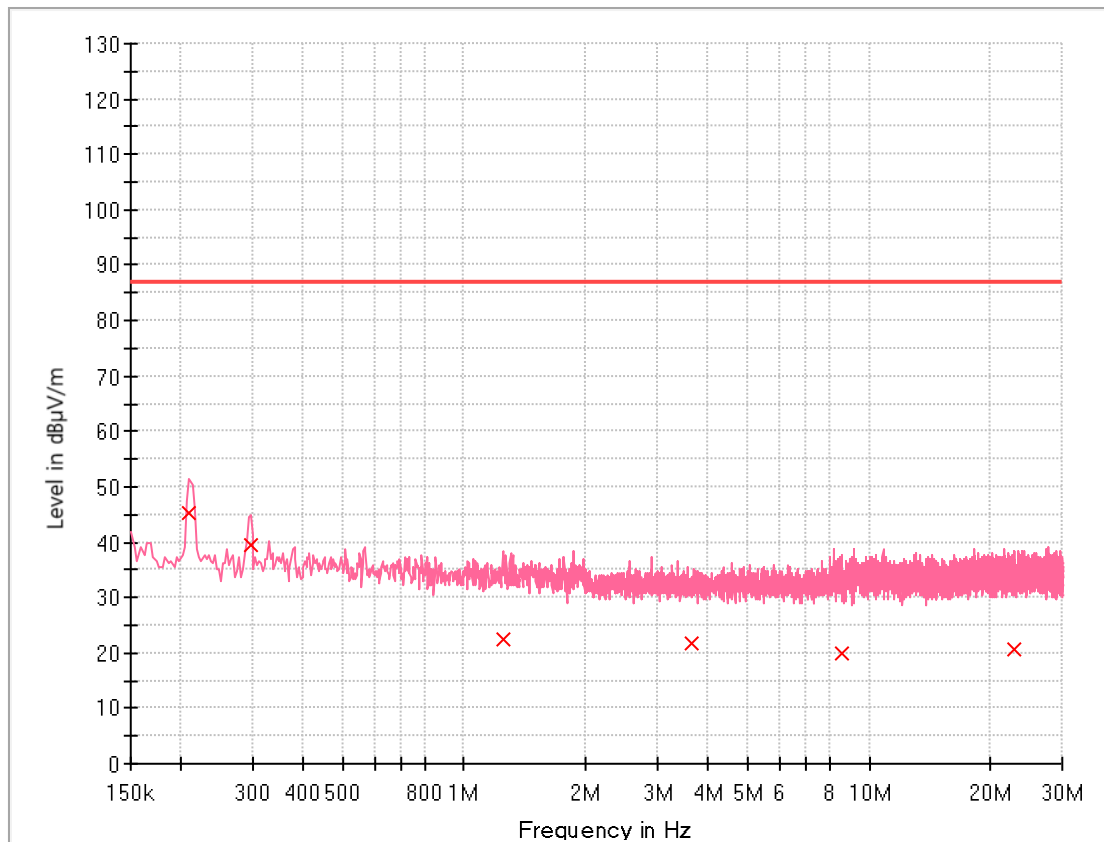
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.210	57.57	86.87	29.30	15 000.0	9.000	V	294.0	20.3
0.293	49.00	86.87	37.87	15 000.0	9.000	V	272.0	20.3
0.377	40.13	86.87	46.74	15 000.0	9.000	V	316.0	20.3
2.419	21.21	86.87	65.66	15 000.0	9.000	V	272.0	20.5
9.269	20.11	86.87	66.76	15 000.0	9.000	V	157.0	20.5
18.714	20.56	86.87	66.31	15 000.0	9.000	V	0.0	20.9

5) 208 V Dual Cooking Zone Level 9 Operating Mode



Final Result

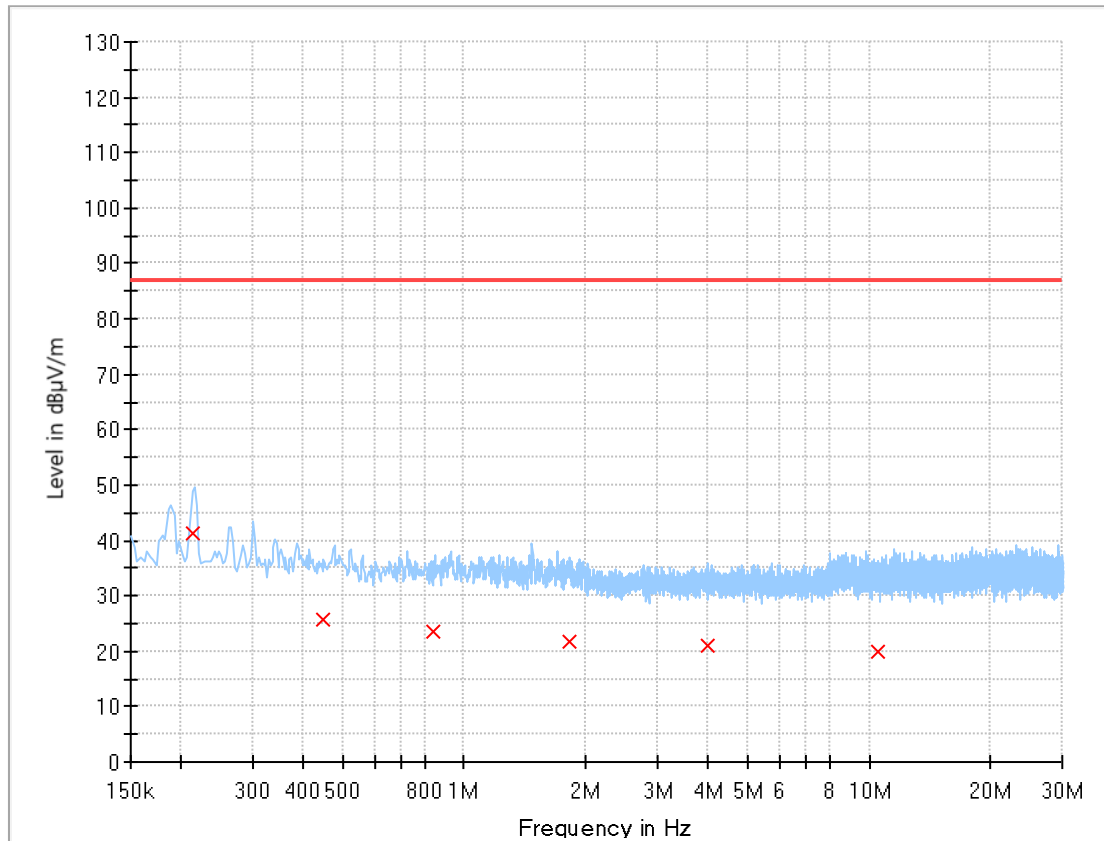
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.210	41.39	86.87	45.48	15 000.0	9.000	H	0.0	20.3
0.296	34.99	86.87	51.88	15 000.0	9.000	H	318.0	20.3
1.099	22.94	86.87	63.93	15 000.0	9.000	H	60.0	20.3
2.311	21.21	86.87	65.66	15 000.0	9.000	H	0.0	20.5
6.798	20.49	86.87	66.38	15 000.0	9.000	H	4.0	20.5
18.564	20.48	86.87	66.39	15 000.0	9.000	H	126.0	20.9



Final Result

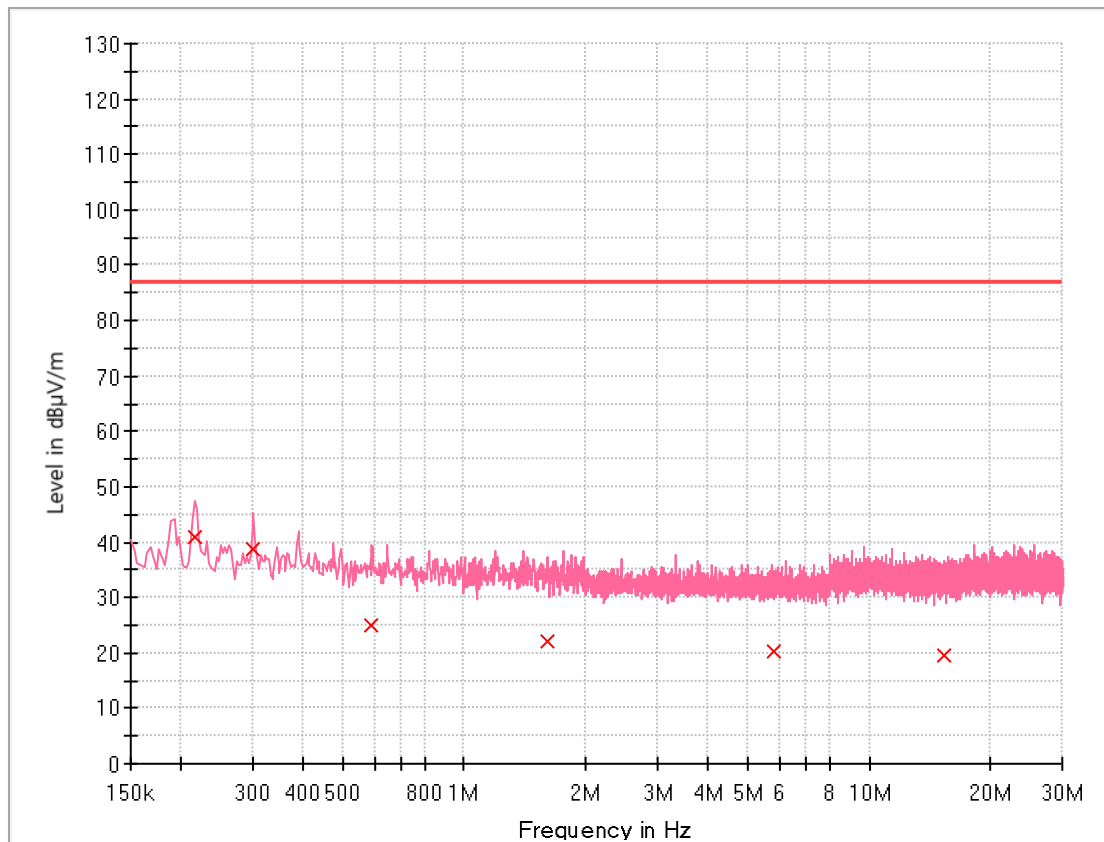
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.210	45.36	86.87	41.51	15 000.0	9.000	V	275.0	20.3
0.296	39.41	86.87	47.46	15 000.0	9.000	V	38.0	20.3
1.243	22.57	86.87	64.30	15 000.0	9.000	V	253.0	20.3
3.648	21.56	86.87	65.31	15 000.0	9.000	V	0.0	20.5
8.592	20.09	86.87	66.78	15 000.0	9.000	V	317.0	20.5
22.788	20.73	86.87	66.14	15 000.0	9.000	V	253.0	21.2

6) 240 V Left Rear Cooking Zone Boost Operating Mode



Final Result

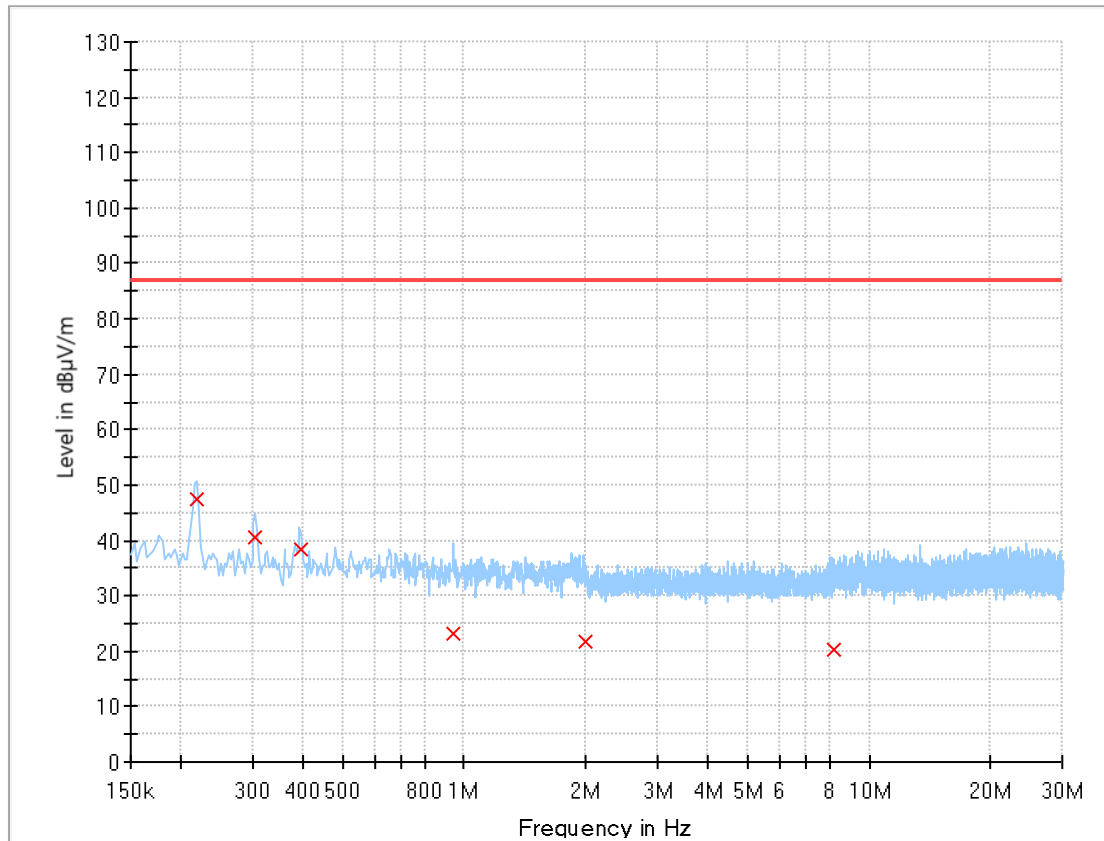
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.213	41.30	86.87	45.57	15 000.0	9.000	H	102.0	20.3
0.449	25.88	86.87	60.99	15 000.0	9.000	H	208.0	20.3
0.840	23.59	86.87	63.28	15 000.0	9.000	H	59.0	20.3
1.810	21.82	86.87	65.05	15 000.0	9.000	H	0.0	20.4
3.989	20.84	86.87	66.03	15 000.0	9.000	H	340.0	20.5
10.508	19.92	86.87	66.95	15 000.0	9.000	H	252.0	20.4



Final Result

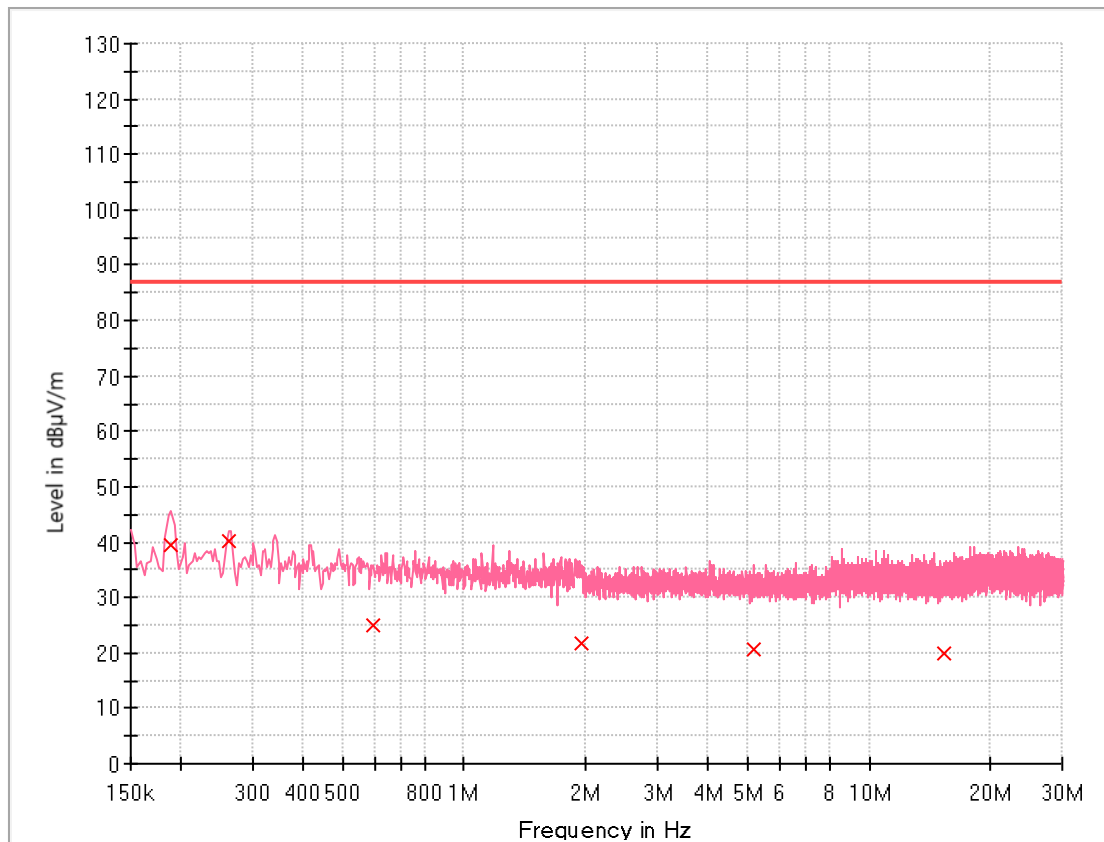
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.216	40.99	86.87	45.88	15 000.0	9.000	V	210.0	20.3
0.302	38.73	86.87	48.14	15 000.0	9.000	V	145.0	20.3
0.592	24.99	86.87	61.88	15 000.0	9.000	V	59.0	20.3
1.610	22.11	86.87	64.76	15 000.0	9.000	V	0.0	20.4
5.801	20.40	86.87	66.47	15 000.0	9.000	V	59.0	20.5
15.362	19.61	86.87	67.26	15 000.0	9.000	V	319.0	20.1

7) 240 V Left Front Cooking Zone Boost Operating Mode



Final Result

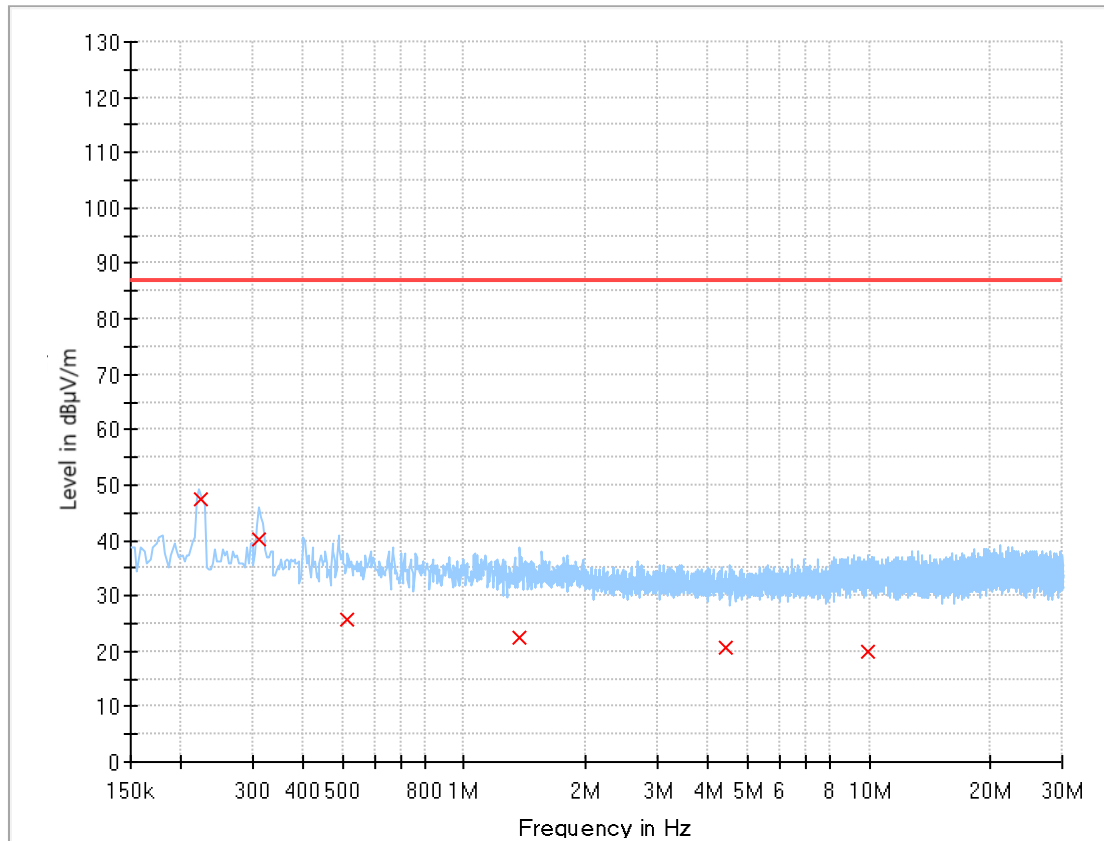
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.219	47.34	86.87	39.53	15 000.0	9.000	H	101.0	20.3
0.305	40.63	86.87	46.24	15 000.0	9.000	H	318.0	20.3
0.395	38.51	86.87	48.36	15 000.0	9.000	H	58.0	20.3
0.941	23.34	86.87	63.53	15 000.0	9.000	H	230.0	20.3
1.995	21.75	86.87	65.12	15 000.0	9.000	H	188.0	20.4
8.195	20.15	86.87	66.72	15 000.0	9.000	H	252.0	20.4



Final Result

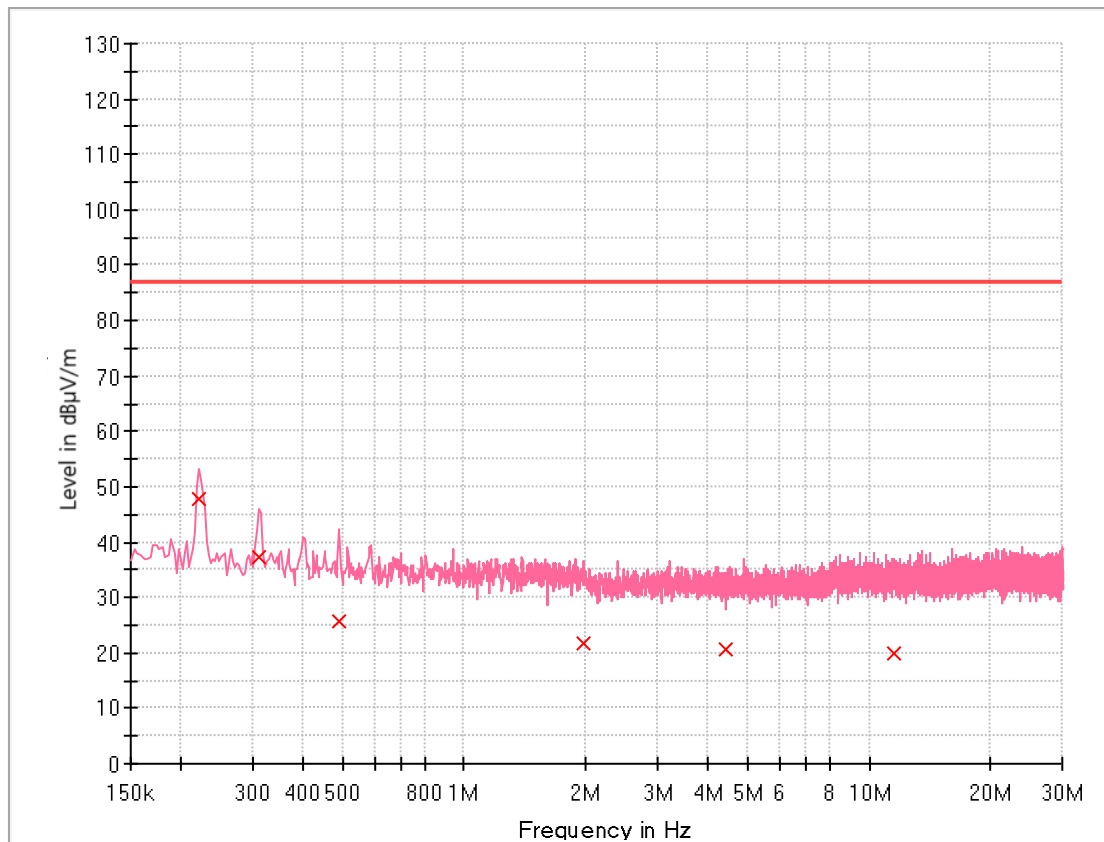
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.189	39.39	86.87	47.48	15 000.0	9.000	V	20.0	20.3
0.263	40.34	86.87	46.53	15 000.0	9.000	V	42.0	20.3
0.598	24.87	86.87	62.00	15 000.0	9.000	V	0.0	20.3
1.956	21.79	86.87	65.08	15 000.0	9.000	V	357.0	20.4
5.174	20.48	86.87	66.39	15 000.0	9.000	V	0.0	20.6
15.371	19.74	86.87	67.13	15 000.0	9.000	V	357.0	20.1

8) 240 V Right Front Cooking Zone Boost Operating Mode



Final Result

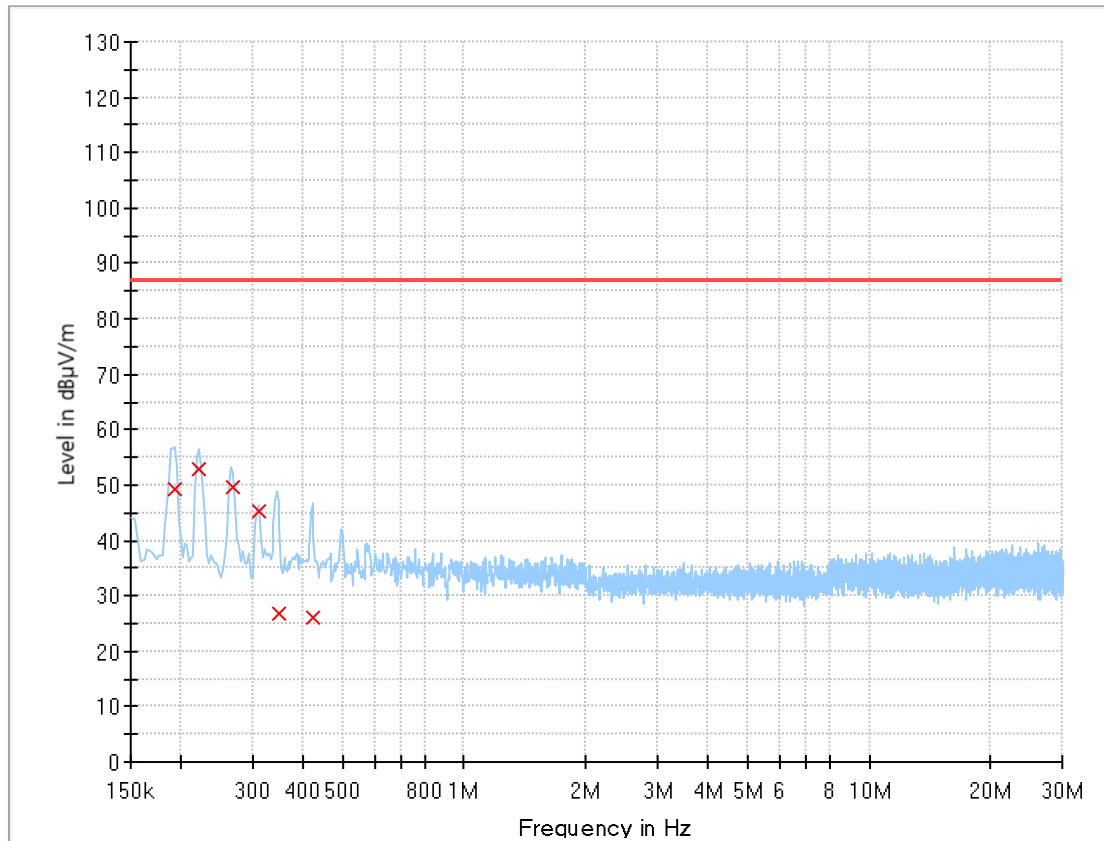
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.225	47.48	86.87	39.39	15 000.0	9.000	H	0.0	20.3
0.311	40.27	86.87	46.60	15 000.0	9.000	H	0.0	20.3
0.514	25.54	86.87	61.33	15 000.0	9.000	H	283.0	20.3
1.374	22.41	86.87	64.46	15 000.0	9.000	H	261.0	20.3
4.410	20.73	86.87	66.14	15 000.0	9.000	H	0.0	20.6
9.944	20.06	86.87	66.81	15 000.0	9.000	H	0.0	20.5



Final Result

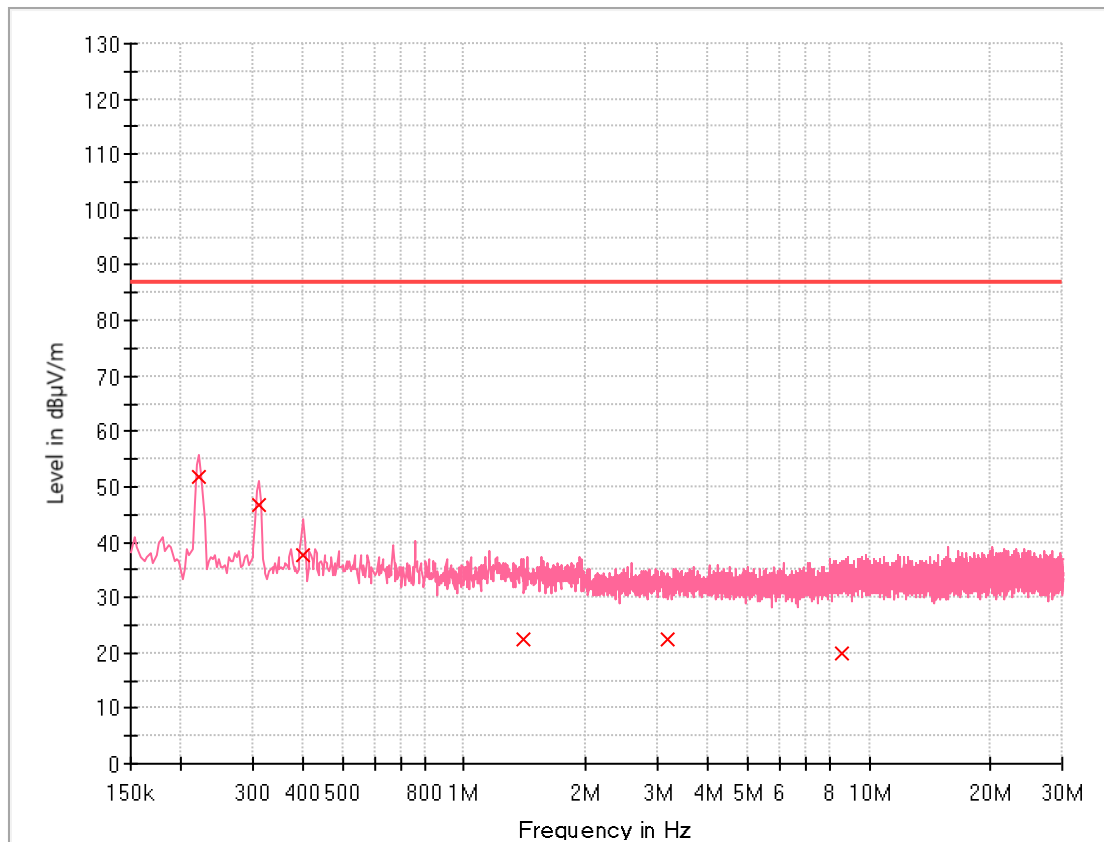
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.222	47.82	86.87	39.05	15 000.0	9.000	V	0.0	20.3
0.311	37.23	86.87	49.64	15 000.0	9.000	V	18.0	20.3
0.490	25.55	86.87	61.32	15 000.0	9.000	V	297.0	20.3
1.971	21.73	86.87	65.14	15 000.0	9.000	V	39.0	20.4
4.428	20.74	86.87	66.13	15 000.0	9.000	V	39.0	20.6
11.526	19.81	86.87	67.06	15 000.0	9.000	V	0.0	20.3

9) 240 V Right Rear Cooking Zone Boost Operating Mode



Final Result

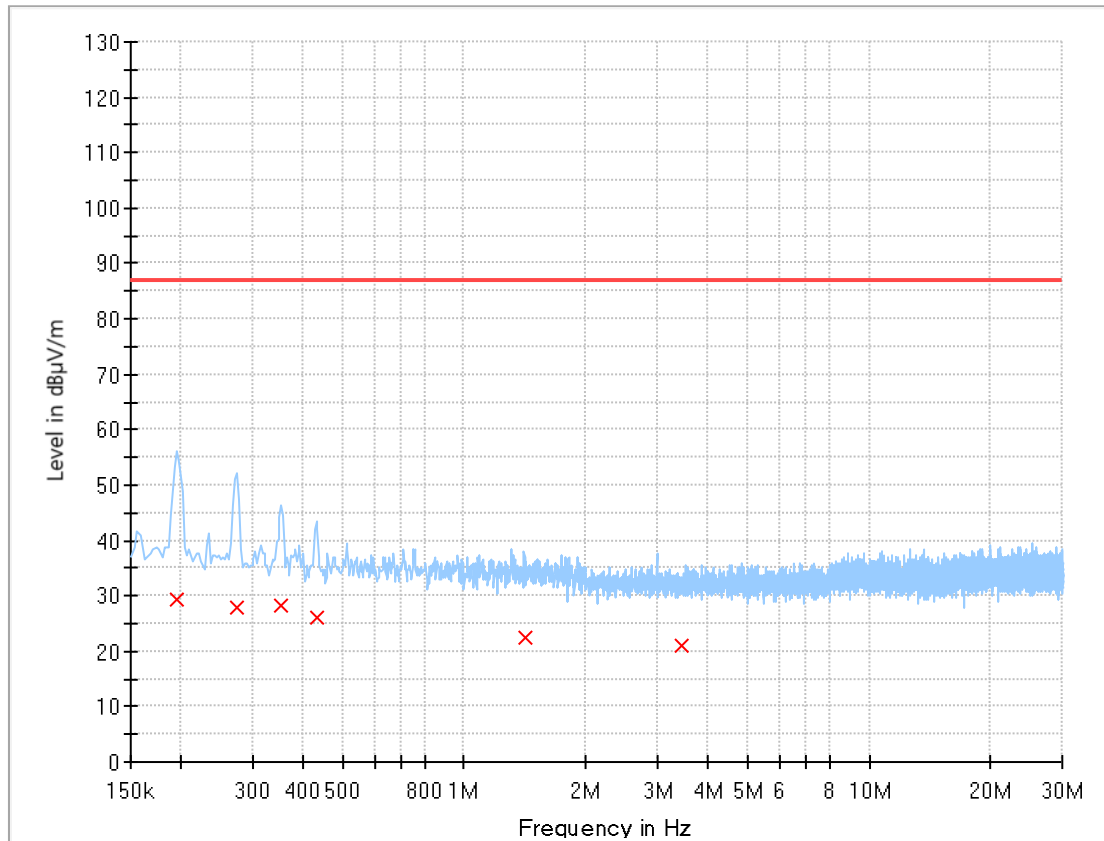
Frequency (kHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.192	49.33	86.87	37.54	15 000.0	9.000	H	204.0	20.3
0.222	52.84	86.87	34.03	15 000.0	9.000	H	0.0	20.3
0.269	49.73	86.87	37.14	15 000.0	9.000	H	204.0	20.3
0.311	45.39	86.87	41.48	15 000.0	9.000	H	0.0	20.3
0.347	26.97	86.87	59.90	15 000.0	9.000	H	0.0	20.3
0.422	26.24	86.87	60.63	15 000.0	9.000	H	12.0	20.3



Final Result

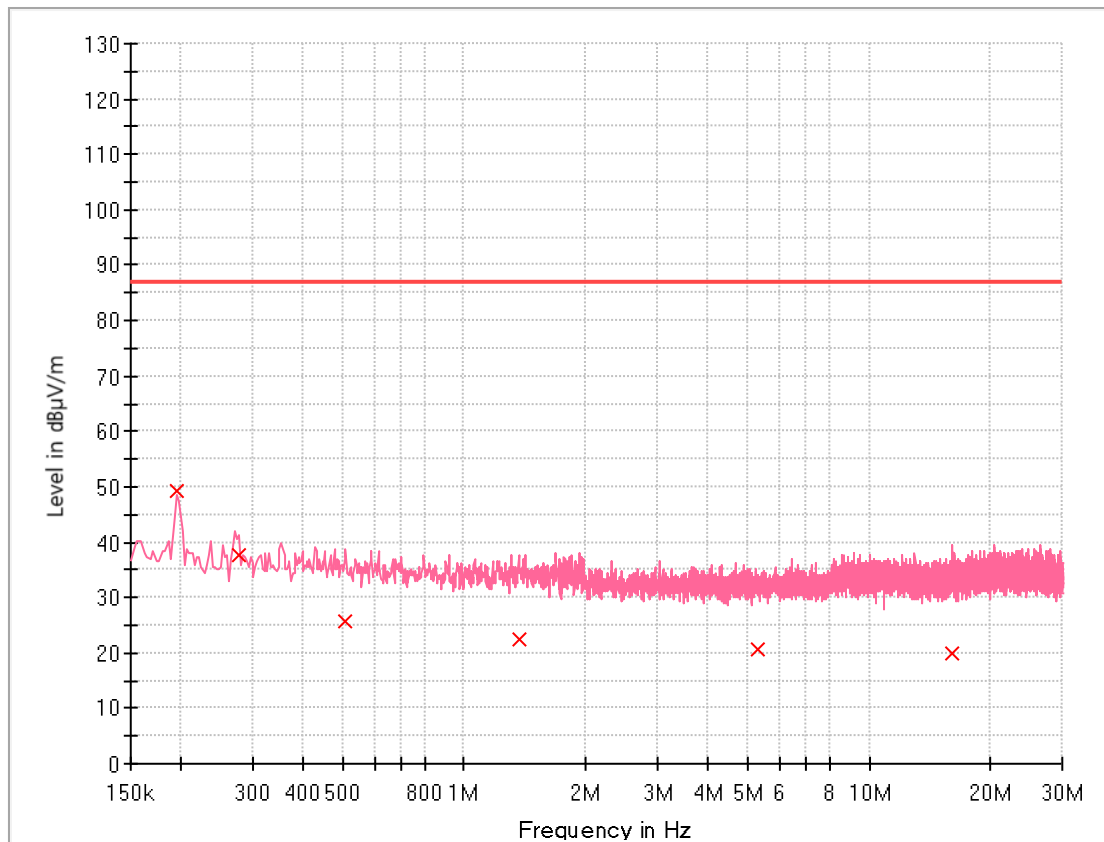
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.222	51.66	86.87	35.21	15 000.0	9.000	V	103.0	20.3
0.311	46.82	86.87	40.05	15 000.0	9.000	V	295.0	20.3
0.401	37.67	86.87	49.20	15 000.0	9.000	V	318.0	20.3
1.398	22.35	86.87	64.52	15 000.0	9.000	V	81.0	20.3
3.162	22.36	86.87	64.51	15 000.0	9.000	V	295.0	20.5
8.598	20.08	86.87	66.79	15 000.0	9.000	V	340.0	20.5

10) 240 V Dual Cooking Zone Operating Mode



Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.195	29.32	86.87	57.55	15 000.0	9.000	H	0.0	20.3
0.275	27.84	86.87	59.03	15 000.0	9.000	H	0.0	20.3
0.353	28.30	86.87	58.57	15 000.0	9.000	H	0.0	20.3
0.431	25.98	86.87	60.89	15 000.0	9.000	H	0.0	20.3
1.410	22.31	86.87	64.56	15 000.0	9.000	H	274.0	20.3
3.439	20.90	86.87	65.97	15 000.0	9.000	H	58.0	20.5



Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
0.195	49.30	86.87	37.57	15 000.0	9.000	V	30.0	20.3
0.278	37.77	86.87	49.10	15 000.0	9.000	V	0.0	20.3
0.505	25.61	86.87	61.26	15 000.0	9.000	V	30.0	20.3
1.365	22.43	86.87	64.44	15 000.0	9.000	V	0.0	20.3
5.317	20.52	86.87	66.35	15 000.0	9.000	V	0.0	20.6
16.102	19.94	86.87	66.93	15 000.0	9.000	V	0.0	20.3

Measurement Uncertainty: See Appendix A

Note: • AF = Antenna Factor

• POL H = Horizontal

• CL = Cable Loss

• POL V = Vertical

• Margin = Limit – Average

• H = Height

Ex) In case

Freq ; 100 MHz, level ; 30 dB(μV/m), AF ; 10 dB/m, CL ; 4 dB

Result = Level + AF + CL

= 30 + 10 + 4

= 19

Margin = Limit – Result

= 73.14 – 19

= 54.14

Appendix A : Measurement Uncertainty

- Giheung Laboratory

Test Method		Measurement Uncertainty	
Conducted Emission		ENV216	3.7 dB (The confidential level is 95 %, $k=2$)
		ESH2-Z5	3.2 dB (The confidential level is 95 %, $k=2$)
		ESH3-Z6	3.2 dB (The confidential level is 95 %, $k=2$)
		NNLK8129	3.1 dB (The confidential level is 95 %, $k=2$)
Conducted Emission - Signal		ISN T800	5.4 dB (The confidential level is 95 %, $k=2$)
		ISN ST08	6.6 dB (The confidential level is 95 %, $k=2$)
Discontinuous		2.7 dB (The confidential level is 95 %, $k=2$)	
Radiated Emission	9 kHz ~30 MHz	Horizontal	3.3 dB (The confidential level is 95 %, $k=2$)
		Vertical	3.3 dB (The confidential level is 95 %, $k=2$)
	30 MHz ~ 1 000 MHz	Horizontal	4.3 dB (The confidential level is 95 %, $k=2$)
		Vertical	4.6 dB (The confidential level is 95 %, $k=2$)
	1 GHz ~ 18 GHz	Horizontal	3.9 dB (The confidential level is 95 %, $k=2$)
		Vertical	4.0 dB (The confidential level is 95 %, $k=2$)

- Gunpo Laboratory

Test Method		Measurement Uncertainty	
Conducted Emission		ENV216	4.0 dB (The confidential level is 95 %, $k=2$)
		ESH2-Z5	3.6 dB (The confidential level is 95 %, $k=2$)
		ESH3-Z6	3.8 dB (The confidential level is 95 %, $k=2$)
Conducted Emission - Signal		ISN T800	5.8 dB (The confidential level is 95 %, $k=2$)
		ISNT8-Cat6	5.8 dB (The confidential level is 95 %, $k=2$)
		ISN S751	7.5 dB (The confidential level is 95 %, $k=2$)
Disturbance Voltage at Antenna Terminal		2.9 dB (The confidential level is 95 %, $k=2$)	
Radiated Emission	9 kHz ~30 MHz	Horizontal	3.4 dB (The confidential level is 95 %, $k=2$)
		Vertical	3.4 dB (The confidential level is 95 %, $k=2$)
	30 MHz ~ 1 000 MHz	Horizontal	4.5 dB (The confidential level is 95 %, $k=2$)
		Vertical	5.1 dB (The confidential level is 95 %, $k=2$)
	1 GHz ~ 18 GHz	Horizontal	3.7 dB (The confidential level is 95 %, $k=2$)
		Vertical	3.9 dB (The confidential level is 95 %, $k=2$)

- Dongtan Laboratory

Test Method		Measurement Uncertainty	
Conducted Emission		ENV216	3.5 dB (The confidential level is 95 %, $k=2$)
		ESH2-Z5	3.3 dB (The confidential level is 95 %, $k=2$)
		ESH3-Z6	3.3 dB (The confidential level is 95 %, $k=2$)
		NNLK8129	3.4 dB (The confidential level is 95 %, $k=2$)
Conducted Emission - Signal		ISN T800	5.7 dB (The confidential level is 95 %, $k=2$)
		ISN ST08	5.5 dB (The confidential level is 95 %, $k=2$)
Discontinuous		2.9 dB (The confidential level is 95 %, $k=2$)	
disturbance Power		3.9 dB (The confidential level is 95 %, $k=2$)	
Radiated Emission	9 kHz ~30 MHz (Triple Loop Ant.)	3.4 dB (The confidential level is 95 %, $k=2$)	
	9 kHz ~30 MHz (Loop Ant.)	Horizontal	3.8 dB (The confidential level is 95 %, $k=2$)
		Vertical	3.8 dB (The confidential level is 95 %, $k=2$)
	30 MHz ~ 1 000 MHz	Horizontal	4.8 dB (The confidential level is 95 %, $k=2$)
		Vertical	5.4 dB (The confidential level is 95 %, $k=2$)
	1 GHz ~ 18 GHz	Horizontal	4.1 dB (The confidential level is 95 %, $k=2$)
		Vertical	4.2 dB (The confidential level is 95 %, $k=2$)

- End of Test Report -