

EVALUATION REPORT

for Certification of Conformity

FCC Part 18

Applicant: LG Electronics Inc.
222 LG-ro, Jinwi-myeon, Pyeongtaek-si,
Gyeonggi-do 17709, South Korea
Attn: Yongdeok Kwon/ Professional

Date of Issue: Mar. 03, 2026
Order Number: GETEC-C1-26-081
Test Report Number: GETEC-E3-26-019
Test Site: GUMI UNIVERSITY EMC CENTER
CAB Designation Number: KR0033

FCC ID. : 2BO3LQ50941KA
Applicant: LG Electronics Inc.

Rule Part(s)	: FCC Part 18
Test Method	: FCC/OET MP-5
EUT Type	: HOUSEHOLD COOKTOP
Equipment Class	: Part 18 Consumer Device(8CC)
Type of Authority	: Certification
Model Name	: CBIU3639BE
Variable Model Name	: Refer to clause 3.4
Trade Mark	: LG

This equipment has been shown to be in compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in FCC/OET MP-5 (1986)

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

Tested by,



Sang Hyug Park, Senior Engineer
GUMI UNIVERSITY EMC CENTER

Reviewed by,



Soon Hoon Jeong, Technical Manager
GUMI UNIVERSITY EMC CENTER



Revision list

Test Report No.	Issue Date	Description
GETEC-E3-26-019	Mar. 03, 2026	First Approval Test Report

※ This test report is not related to the accredited test result by ISO/IEC 17025 and KOLAS





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Scope: Measurement and determination of electromagnetic emissions (EME) of radio frequency devices including intentional and / or unintentional radiators for compliance with technical rules and regulations of the Federal Communications Commission.

1. General Information

Applicant: LG Electronics Inc.

Applicant Address: 222 LG-ro, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do 17709, South Korea

Manufacturer: LG Electronics Inc.

Manufacturer Address: 170, Sungsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, 51533, Rep. of Korea

Manufacturer: Shinsung Delta Tech Co., LTD.

Manufacturer Address: 200, Jayumuyeok 3-gil, Masanhoewon-gu, Changwon-si, Gyeongsangnam-do, 51340, Rep. of Korea

Contact Person: Yongdeok Kwon / Professional

Telephone Number: +82-31-8066-5538



- **FCC ID.** 2BO3LQ50941KA
- **EUT Type** HOUSEHOLD COOKTOP
- **Model Name** CBIU3639BE
- **Variable Model Name** Refer to clause 3.4
- **Rule Part(s)** FCC Part 18
- **Test Method** FCC/OET MP-5
- **Type of Authority** Certification
- **Test Procedure(s)** FCC/OET MP-5
- **Dates of Test** Feb. 09, 2026 ~ Feb. 13, 2026
- **Place of Test**
GUMI UNIVERSITY EMC CENTER
(FCC Test Firm Registration Number: 269701)
37 Yaeun-ro, Gumi-si, Gyeongsangbuk-do, 39213, Republic of Korea.
- **Test Report Number** GETEC-E3-26-019
- **Dates of Issue** Mar. 03, 2026



2. Introduction

The measurement procedure described in American National Standard for Methods of Measurement of Radio-Nose Emissions From Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz (ANSI C63.4a-2017) was used in determining radiated and conducted emissions emanating from **HOUSEHOLD COOKTOP (Model name: CBIU3639BE)**.

These measurement tests were conducted at **GUMI UNIVERSITY EMC CENTER**

The site address is 37 Yaeun-ro, Gumi-si, Gyeongsangbuk-do, 39213, Republic of Korea.

This test site is one of the highest point of Gumi UNIVERSITY at about 200 km away from Seoul city and 40 km away from Daegu city. It is located in the valley surrounded by mountains in all directions where ambient radio signal conditions are quiet and a favorable area to measure the radio frequency interference on open field test site for the computing and ISM devices manufactures. The detailed description of the measurement facility was found to be in compliance with the requirements of §2.948 according to ANSI C63.4a(2017)

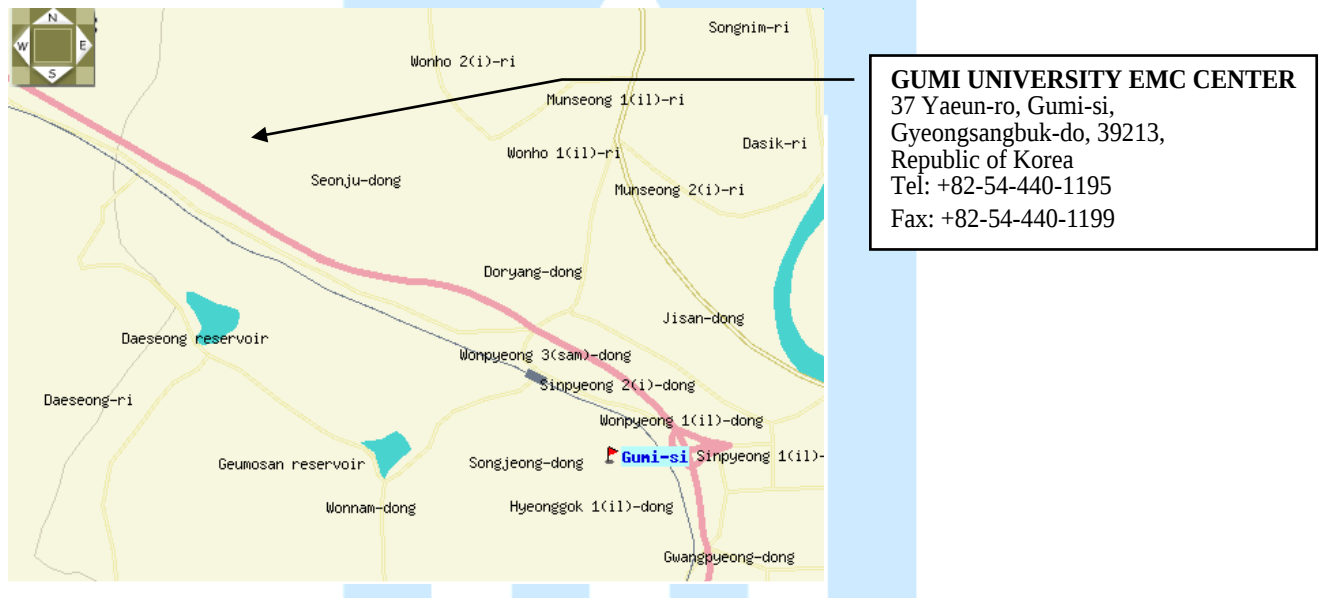


Fig 1. The map above shows the GUMI UNIVERSITY in vicinity area.



3. Product Information

3.1 Description of EUT

The Equipment under Test (EUT) is the **HOUSEHOLD COOKTOP (Model Name: CBIU3639BE)**
FCC ID.: 2BO3LQ50941KA

Models		CBIU3639BE	
Description		Induction Cooktop	
Electrical Specifications	Connection voltage	240/208 VAC 60 Hz., 44.4 A / 41.6 A	
	Maximum connected power load	10650 W / 8650 W	
Cooktop Dimensions		36 5/8" (930 mm) (W) × 3 11/16" (94 mm) (H) × 21 1/16" (534 mm) (D)	
Countertop Cutout Dimensions		Standard Installation 33 7/8" (860 mm) (W) × 5 3/4" (146 mm) (H) × 19 1/8" (486 mm) (D)	
Cooking Zones	Position	Size	Power (Level 9 / Boost)
	Front Left	8 1/2" x 7 1/8" (216 mm x 180 mm)	1500/3000 W (208 V) 1850/3700 W (240 V)
	Front Right	8 3/16" (208 mm)	1500/3000 W (208 V) 1850/3700 W (240 V)
	Rear Left	8 1/2" x 7 1/8" (216 mm x 180 mm)	1500/3000 W (208 V) 1850/3700 W (240 V)
	Rear Right	6" (152 mm)	1150/1450 W (208 V) 1400/1800 W (240 V)
	Flex Left	8 1/2" x 14 3/16" (216 mm x 360 mm)	2700/3000 W (208 V) 3300/3700 W (240 V)
	Center	11 1/8" / 7" (283 mm / 178 mm)	Inner Burner: 1500/3000 W (208 V) 1850/3700 W (240 V) Dual Burner: 3000/4900 W (208 V) 3700/6000 W (240 V)

RF Module Specifications

Type	Operating Frequency Range	Output Power (Max.)
Wireless LAN	2400 MHz - 2472 MHz	< 1 W
Bluetooth [†]	2400 MHz - 2483.5 MHz	

Induction heating mode

Cooking Element	Low frequency	High frequency
#1 Left Front Hob	30 kHz	75 kHz
#2 Left Rear Hob	30 kHz	75 kHz
#3 Center	30 kHz	75 kHz
#4 Right Front Hob	30 kHz	75 kHz
#5 Right Rear Hob	30 kHz	75 kHz



3.2 Support Equipment / Cables used

3.3.1 Used Support Equipment

Description	Manufacturer	Model Name	S/N & FCC ID.
None	-	-	S/N: - FCC ID.: -

See "Appendix D – Test Setup Photographs" for actual system test set-up

3.3.2 System configuration

Description	Manufacturer	Model Name	S/N & FCC ID.
RF Module ¹⁾	LG Electronics Inc.	LCWB-008	S/N: -, FCC ID.: BEJ-LCWB008

1) Built-in RF module

3.3.3 Used Cable(s)

Cable Name	Condition	Description
Power cable	Connected to the EUT and AC power	1.40 m Shielded.

3.3 Modification Item(s)

-. None

3.4 Identification of EUT(s)

See the table below for other changes.

Representative model : CBIU3639BE

Variable model : CBIU3639*E

Variable	Rang of variable	Contents
1st '*'	A to Z or blank	Exterior enclosure Color

("This information was provided by the manufacturer, and the model name was assigned by the manufacturer or customer for sales purposes. It does not affect the EMC performance. All electrical characteristics are identical to those of the basic model.")



4. Description of tests

4.1 Test Condition

The EUT was installed, arranged and operated in a manner that is most representative of equipment as typically used. The measurements were carried out while varying operating modes and cable positions within typically arrangement to determine maximum emission level.

The representative and worst test mode(s) were noted in the test report.

- Test Voltage / Frequency:
 - . AC 208 V / 60 Hz
 - . AC 240 V / 60 Hz
- Operating condition during the test(s) :
 - This device has been tested in the configurations of Induction mode with WLAN module operating.
 - Induction heating mode:** This device has been operated (boost mode) with an enameled steel vessel filled with tap water up to 80 % of its maximum capacity.

Cooking element "1"= left front hob ,"2"= left rear hob, "3"= Center hob, "4"= right front hob, "5"= right rear hob

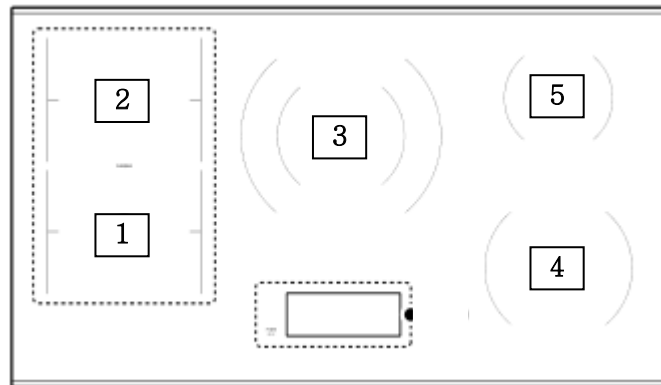
Cooking vessels

"1" , "2"= 215 mm x 180 mm

"3"= 300 mm

"4"=210 mm

"5"=180 mm



Position of cooking element



4.2 General Test Procedures

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4a (2017) Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which Fixed at 2 m above the ground plane to find out the highest emission.

And also, each emission was to be maximized by the table was turned from 0 degrees to 360 degrees. In order to find out the max emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 13.1.4.1 of ANSI C63.4a (2017).

5. Summary of Test Results

FCC Part Section(s)	Test Description	Test Result
§18.305	Radiated Emission	Pass
§18.307	Conducted Emission	Pass



6. Conducted Emission

-Test Description

The Line conducted emission test facility is inside a 4 m × 8 m × 2.5 m shielded enclosure.

(FCC Test Firm Registration No.: 269701)

The EUT was placed on a non-conducting 1.0 m by 1.5 m table, which is 0.8 m in height and 0.4 m away from the vertical wall of the shielded enclosure.

The EUT is powered from the Rohde & Schwarz LISN and the support equipment is powered from the Rohde & Schwarz 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 150 kHz to 30 MHz with 20 ms sweep time. The final measurements were measured with Quasi-Peak and Average mode.

The bandwidth of EMI Test Receiver was set to 9 kHz. Interface cables were connected to the available interface ports of the test unit. Excess cable lengths were bundled at center with 30 cm ~ 40 cm.

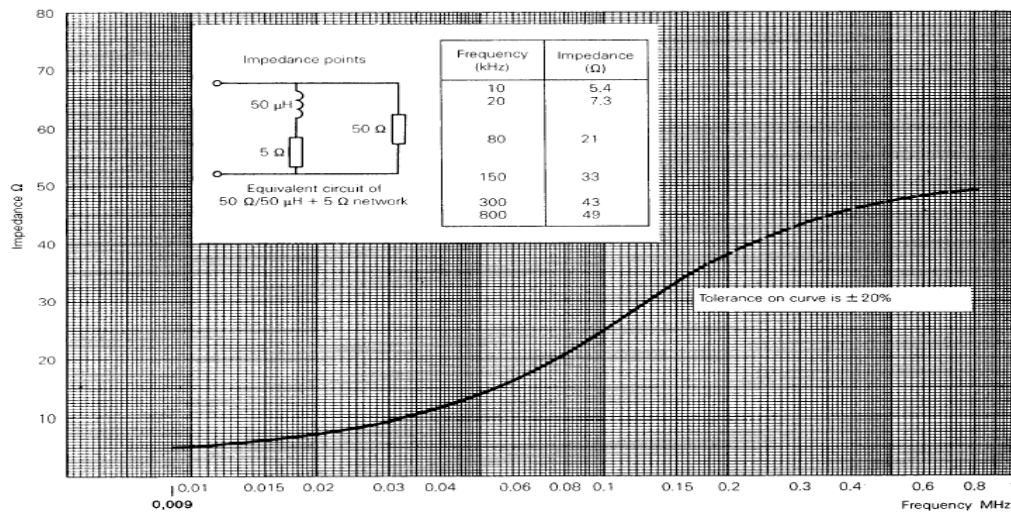


Fig 2. Impedance of LISN



6.1 Operating Environment

Temperature : 22.9 °C
Relative Humidity : 21.6 %
Air Pressure : 100.4 kPa

6.2 Test Set-up

The conducted emission measurements were performed in the shielded room.

The EUT was placed on wooden table, 0.8 m heights above the floor, 0.4 m from the reference ground plane (GRP) wall and 0.8 m from AMN & ISN.

AMN is bonded on horizontal reference ground plane.

The ground plane, which was electrically bonded to the shield room, ground system and all power lines entering the shield room, were filtered.

6.3 Measurement Uncertainty

The measurement uncertainty was calculated in accordance with ISO “Guide to the expression of uncertainty in measurement.”

The measurement uncertainty was given with a confidence of 95 %.

Test Items	Uncertainty	Remark
Conducted emission (9 kHz ~ 150 kHz)	3.70 dB	Confidence level of approximately 95 % ($k = 2$)
Conducted emission (150 kHz ~ 30 MHz)	3.29 dB	Confidence level of approximately 95 % ($k = 2$)

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

The listed uncertainties are the worst case uncertainty for the entire range of measurement. please note that the uncertainty values are provided for informational purposes only are not used in determining the PASS/FAIL results



6.4 Limit

RFI Conducted	FCC Limit(dBμV)	
Freq. Range	Quasi-Peak	Average
0.009 MHz ~ 0.05 MHz	110	-
0.05 MHz ~ 0.15 MHz	90 ~ 80*	-
0.15 MHz ~ 0.5 MHz	66 ~ 56*	56 ~ 46*
0.5 MHz ~ 5 MHz	56	46
5 MHz ~ 30 MHz	60	50
*Limits decreases linearly with the logarithm of frequency.		

6.5 Test Equipment used

Model Name	Manufacturer	Description	Serial Number	Calibration Date
■ - ESCI	Rohde & Schwarz	EMI Test Receiver	100237	Apr. 03, 2025
□ - ENV216	Rohde & Schwarz	LISN	100173	Apr. 02, 2025
□ - ENV216	Rohde & Schwarz	LISN	100172	Apr. 02, 2025
■ - ESH2-Z5	Rohde & Schwarz	LISN	829991/009	Apr. 02, 2025
■ - VTSD 9561-F	SCHWARZBECK	Pulse Limiter	631	Apr. 02, 2025
■ - EMC 32	Rohde & Schwarz	Software	Ver.8.53	N/A
■ - Shield Room	SYC Co., Ltd.	N/A	N/A	N/A

6.6 Test data for Conducted Emission

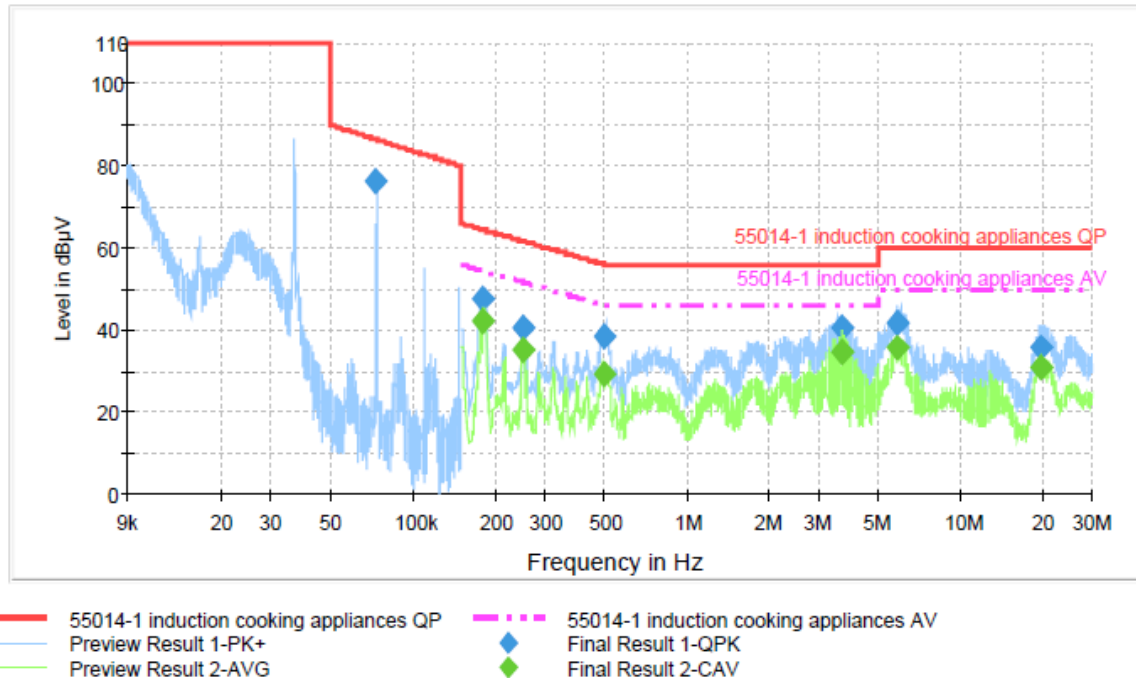
- Test Date	: Feb. 13, 2026
- Resolution Bandwidth	: 200 Hz (9 kHz ~ 0.15 MHz) / 9 kHz (0.15 MHz ~ 30 MHz)
- Frequency Range	: 9 kHz ~ 30 MHz
- Line	: L1(Live1), L2(Live2), GND(Ground)
- Comment	: None



• Operating condition: Induction heating mode with WLAN

AC 208 V / 60 Hz

Cooking element #1



Final Result 1

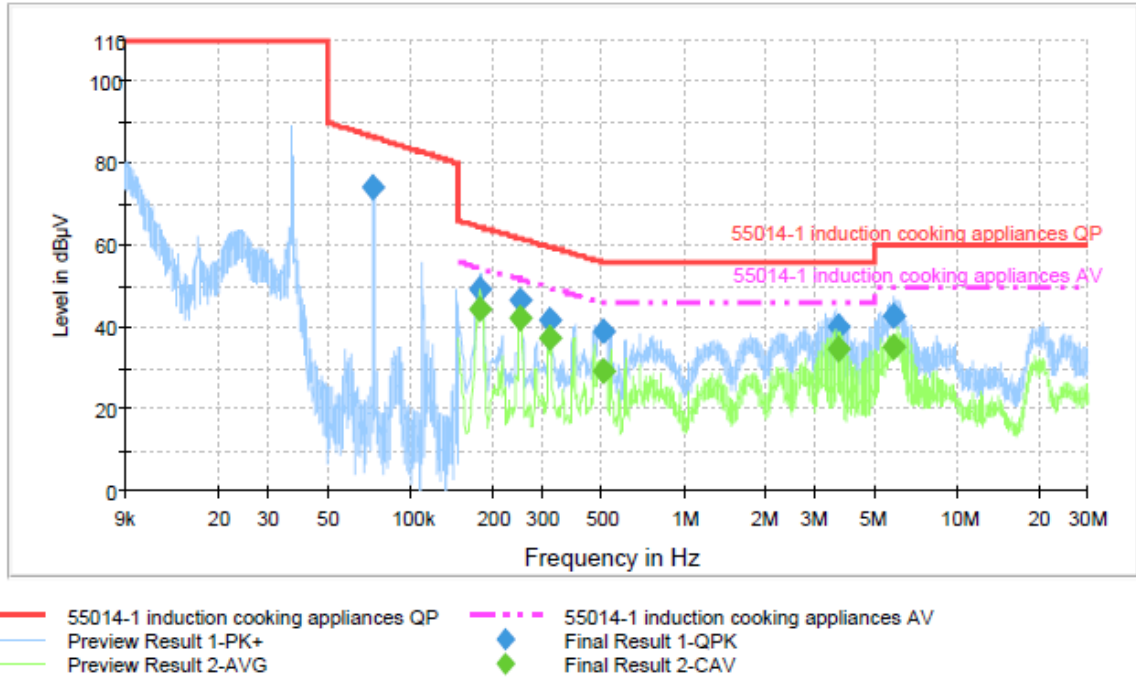
Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.072778	76.2	1000.0	0.200	GND	L1	10.2	10.4	86.6	
0.178000	47.9	1000.0	9.000	GND	L1	10.2	16.7	64.6	
0.252425	40.5	1000.0	9.000	GND	L1	10.2	21.2	61.7	
0.500625	38.7	1000.0	9.000	GND	L2	10.2	17.3	56.0	
3.658212	40.6	1000.0	9.000	GND	L2	10.3	15.4	56.0	
5.845500	41.5	1000.0	9.000	GND	L2	10.4	18.5	60.0	
19.330500	35.9	1000.0	9.000	GND	L2	10.8	24.1	60.0	

Final Result 2

Frequency (MHz)	CAverage (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.178000	42.4	1000.0	9.000	GND	L1	10.2	12.2	54.6	
0.252425	35.1	1000.0	9.000	GND	L1	10.2	16.6	51.7	
0.500625	29.3	1000.0	9.000	GND	L2	10.2	16.7	46.0	
3.658212	34.5	1000.0	9.000	GND	L2	10.3	11.5	46.0	
5.845500	35.6	1000.0	9.000	GND	L2	10.4	14.4	50.0	
19.330500	31.1	1000.0	9.000	GND	L2	10.8	19.0	50.0	



Cooking element #2



Final Result 1

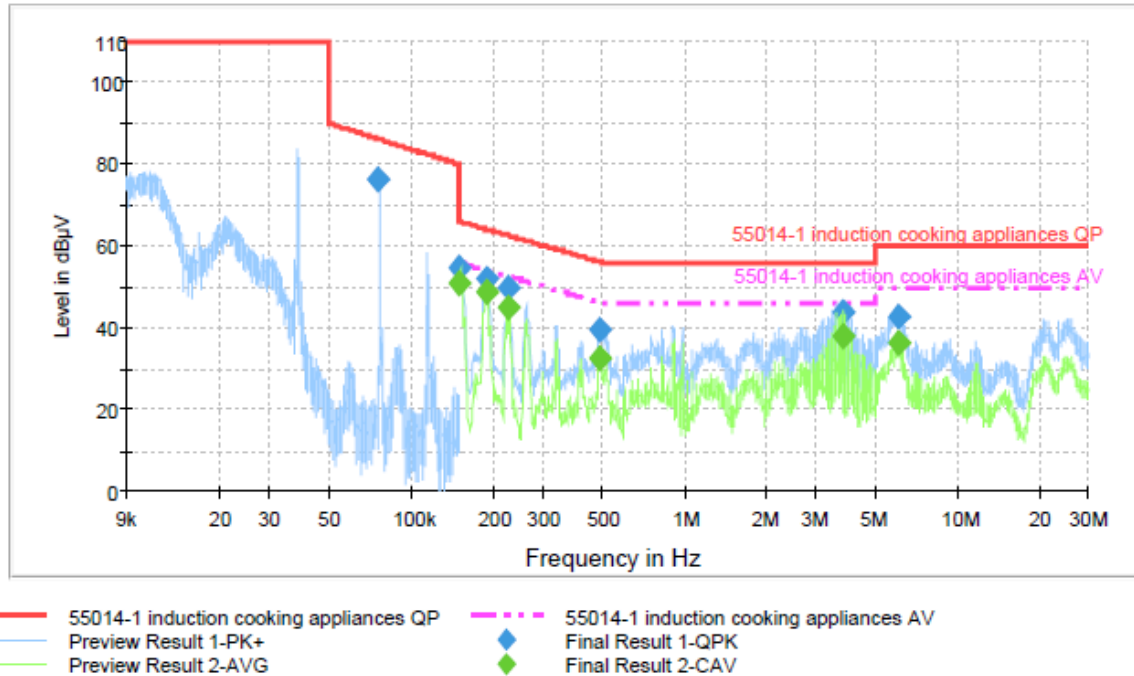
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.072584	74.3	1000.0	0.200	GND	L1	10.2	12.3	86.6	
0.178000	49.4	1000.0	9.000	GND	L1	10.2	15.2	64.6	
0.250850	46.4	1000.0	9.000	GND	L2	10.2	15.3	61.7	
0.325175	41.7	1000.0	9.000	GND	L2	10.2	17.9	59.6	
0.501838	38.8	1000.0	9.000	GND	L2	10.2	17.2	56.0	
3.624988	40.3	1000.0	9.000	GND	L1	10.3	15.7	56.0	
5.861500	42.9	1000.0	9.000	GND	L2	10.4	17.1	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.178000	44.3	1000.0	9.000	GND	L1	10.2	10.3	54.6	
0.250850	42.1	1000.0	9.000	GND	L2	10.2	9.6	51.7	
0.325175	37.4	1000.0	9.000	GND	L2	10.2	12.2	49.6	
0.501838	29.3	1000.0	9.000	GND	L2	10.2	16.7	46.0	
3.624988	34.7	1000.0	9.000	GND	L1	10.3	11.3	46.0	
5.861500	35.5	1000.0	9.000	GND	L2	10.4	14.5	50.0	



Cooking element #3



Final Result 1

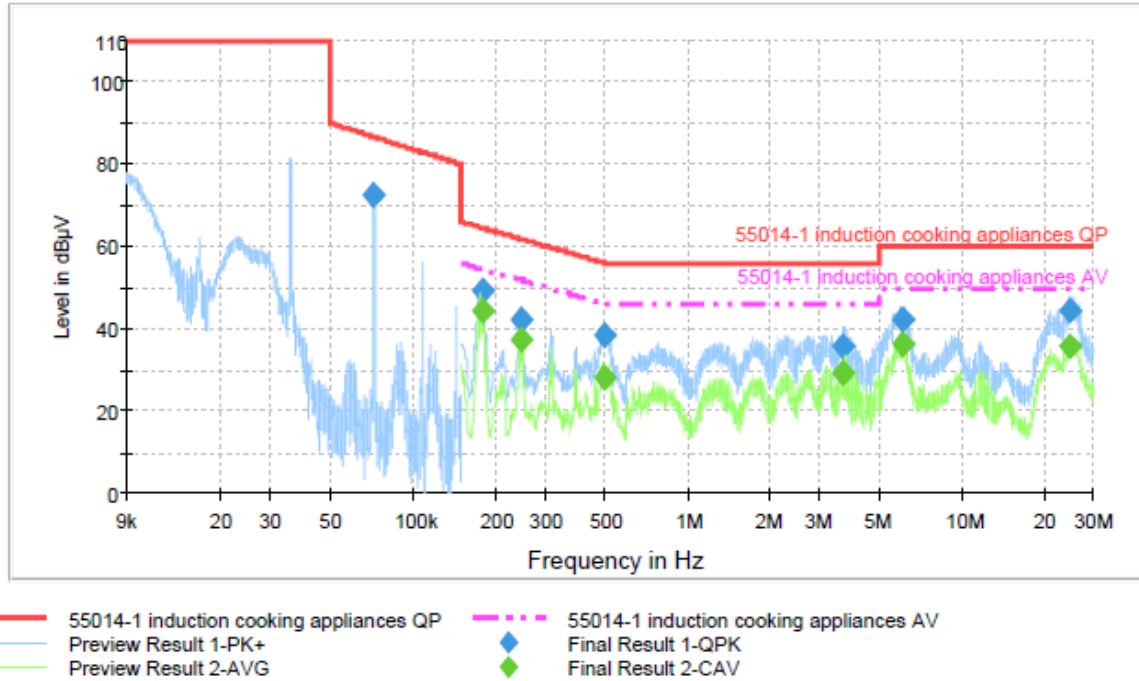
Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.075757	76.2	1000.0	0.200	GND	L1	10.2	10.0	86.2	
0.150000	55.0	1000.0	9.000	GND	L1	10.2	11.0	66.0	
0.188175	51.9	1000.0	9.000	GND	L2	10.2	12.2	64.1	
0.225876	49.8	1000.0	9.000	GND	L2	10.2	12.8	62.6	
0.489712	39.7	1000.0	9.000	GND	L2	10.2	16.5	56.2	
3.790625	43.9	1000.0	9.000	GND	L2	10.3	12.1	56.0	
6.045750	42.6	1000.0	9.000	GND	L2	10.4	17.4	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.150000	51.0	1000.0	9.000	GND	L1	10.2	5.0	56.0	
0.188175	48.9	1000.0	9.000	GND	L2	10.2	5.2	54.1	
0.225876	45.2	1000.0	9.000	GND	L2	10.2	7.4	52.6	
0.489712	32.3	1000.0	9.000	GND	L2	10.2	13.9	46.2	
3.790625	37.8	1000.0	9.000	GND	L2	10.3	8.2	46.0	
6.045750	36.5	1000.0	9.000	GND	L2	10.4	13.5	50.0	



Cooking element #4



Final Result 1

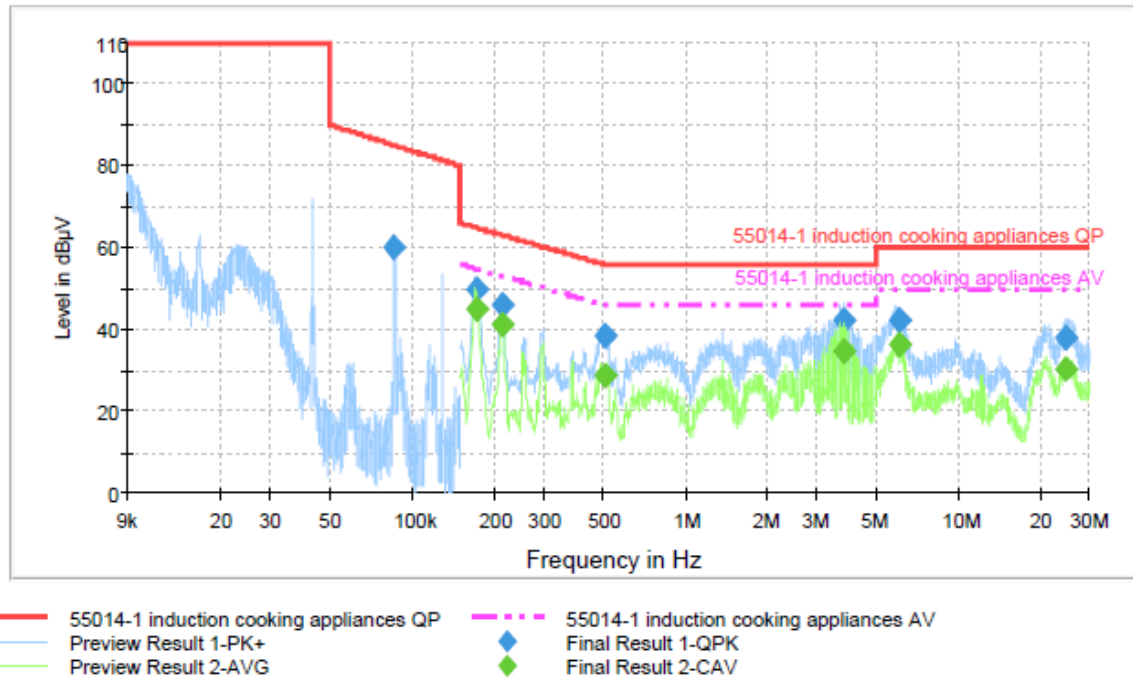
Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.070930	72.3	1000.0	0.200	GND	L2	10.2	14.5	86.8	
0.178000	49.3	1000.0	9.000	GND	L2	10.2	15.3	64.6	
0.246000	42.4	1000.0	9.000	GND	L2	10.2	19.5	61.9	
0.498562	38.4	1000.0	9.000	GND	L2	10.2	17.6	56.0	
3.676162	35.8	1000.0	9.000	GND	L2	10.3	20.2	56.0	
6.103500	42.2	1000.0	9.000	GND	L2	10.4	17.8	60.0	
24.759250	44.5	1000.0	9.000	GND	L2	10.8	15.5	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.178000	44.3	1000.0	9.000	GND	L2	10.2	10.3	54.6	
0.246000	37.6	1000.0	9.000	GND	L2	10.2	14.3	51.9	
0.498562	28.1	1000.0	9.000	GND	L2	10.2	17.9	46.0	
3.676162	29.2	1000.0	9.000	GND	L2	10.3	16.8	46.0	
6.103500	36.2	1000.0	9.000	GND	L2	10.4	13.8	50.0	
24.759250	36.0	1000.0	9.000	GND	L2	10.8	14.0	50.0	



Cooking element #5



Final Result 1

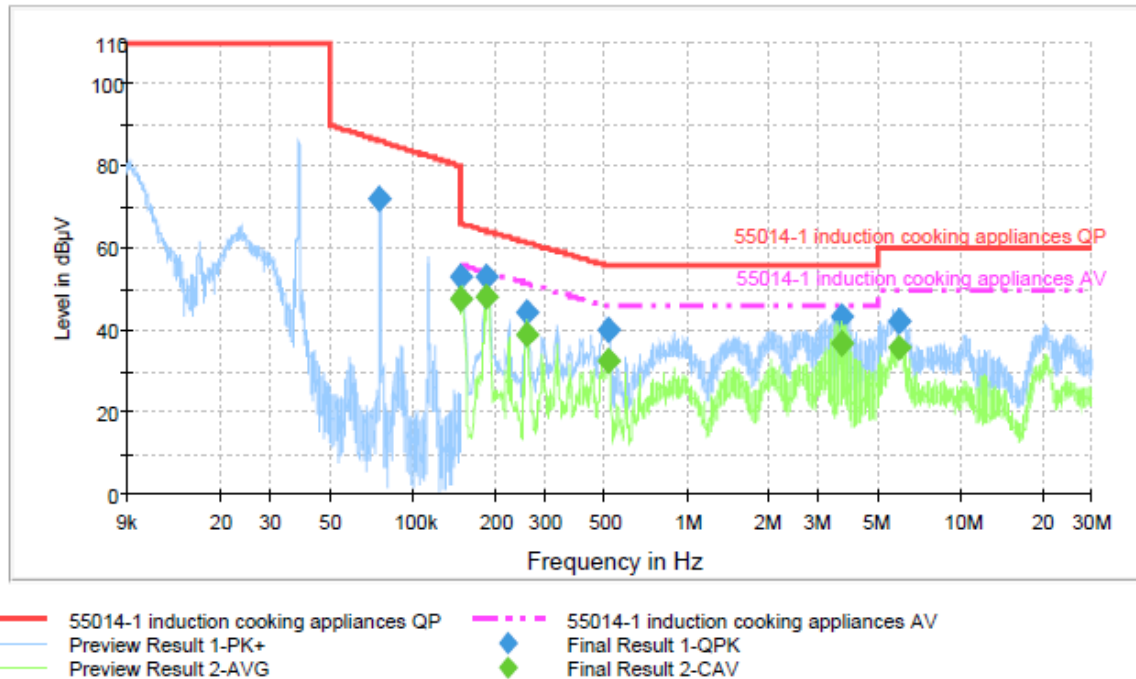
Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.085489	60.1	1000.0	0.200	GND	L1	10.2	25.0	85.1	
0.170838	49.9	1000.0	9.000	GND	L1	10.2	15.0	64.9	
0.212680	45.8	1000.0	9.000	GND	L1	10.2	17.3	63.1	
0.502562	38.4	1000.0	9.000	GND	L2	10.2	17.6	56.0	
3.761038	42.2	1000.0	9.000	GND	L2	10.3	13.8	56.0	
6.071250	42.3	1000.0	9.000	GND	L2	10.4	17.7	60.0	
24.784750	37.9	1000.0	9.000	GND	L2	10.8	22.1	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.170838	44.9	1000.0	9.000	GND	L1	10.2	10.0	54.9	
0.212680	41.1	1000.0	9.000	GND	L1	10.2	12.0	53.1	
0.502562	28.5	1000.0	9.000	GND	L2	10.2	17.5	46.0	
3.761038	34.4	1000.0	9.000	GND	L2	10.3	11.6	46.0	
6.071250	36.2	1000.0	9.000	GND	L2	10.4	13.8	50.0	
24.784750	30.5	1000.0	9.000	GND	L2	10.8	19.5	50.0	



AC 240 V / 60 Hz
Cooking element #1



Final Result 1

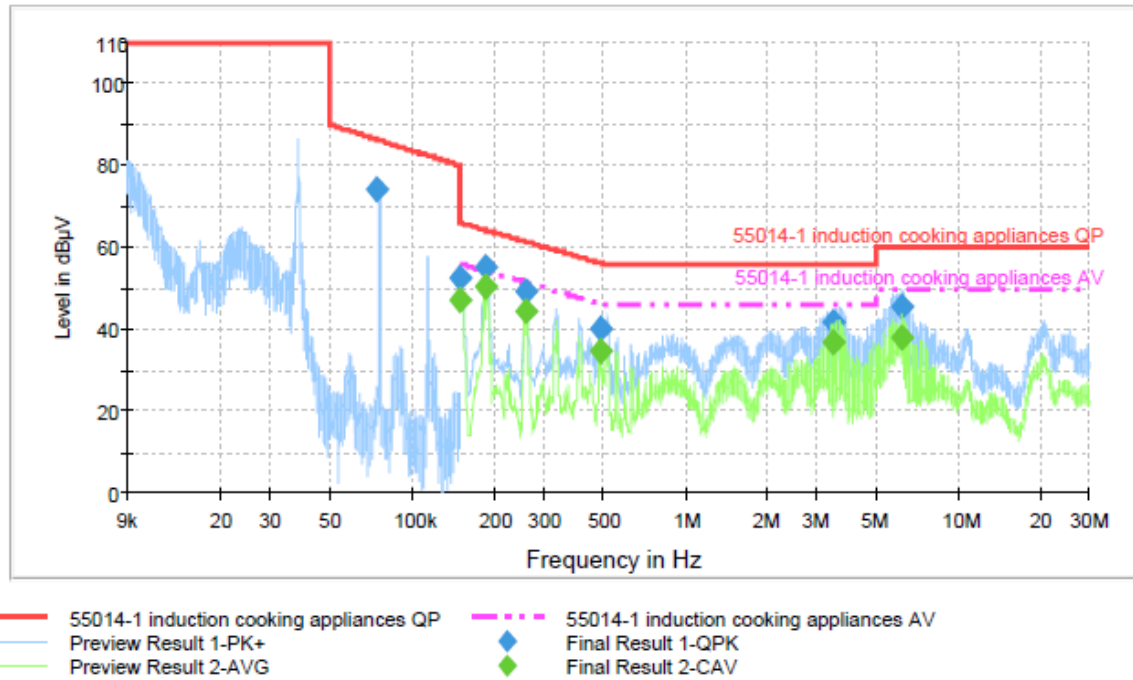
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.074706	72.3	1000.0	0.200	GND	L1	10.2	14.0	86.3	
0.150000	52.9	1000.0	9.000	GND	L1	10.2	13.1	66.0	
0.186375	53.2	1000.0	9.000	GND	L2	10.2	11.0	64.2	
0.262125	44.5	1000.0	9.000	GND	L2	10.2	16.9	61.4	
0.510688	40.3	1000.0	9.000	GND	L2	10.2	15.7	56.0	
3.652288	43.3	1000.0	9.000	GND	L2	10.3	12.7	56.0	
5.930250	42.1	1000.0	9.000	GND	L1	10.4	17.9	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	47.7	1000.0	9.000	GND	L1	10.2	8.3	56.0	
0.186375	48.0	1000.0	9.000	GND	L2	10.2	6.2	54.2	
0.262125	38.8	1000.0	9.000	GND	L2	10.2	12.6	51.4	
0.510688	32.4	1000.0	9.000	GND	L2	10.2	13.6	46.0	
3.652288	37.0	1000.0	9.000	GND	L2	10.3	9.0	46.0	
5.930250	35.7	1000.0	9.000	GND	L1	10.4	14.3	50.0	



Cooking element #2



Final Result 1

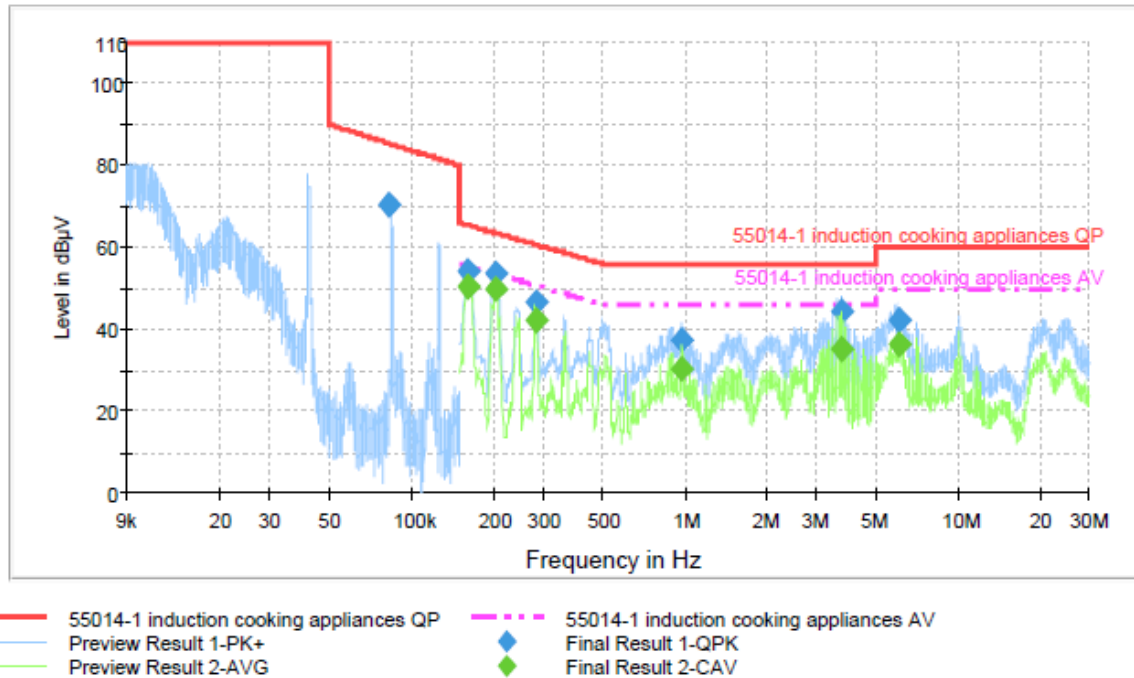
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.074442	74.0	1000.0	0.200	GND	L1	10.2	12.4	86.4	
0.150000	52.4	1000.0	9.000	GND	L1	10.2	27.6	80.0	
0.186000	55.3	1000.0	9.000	GND	L2	10.2	8.9	64.2	
0.259338	49.3	1000.0	9.000	GND	L2	10.2	12.2	61.5	
0.483650	39.9	1000.0	9.000	GND	L1	10.2	16.4	56.3	
3.487138	41.9	1000.0	9.000	GND	L2	10.3	14.1	56.0	
6.114750	45.3	1000.0	9.000	GND	L2	10.4	14.7	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	47.0	1000.0	9.000	GND	L1	10.2	9.0	56.0	
0.186000	50.2	1000.0	9.000	GND	L2	10.2	4.0	54.2	
0.259338	44.4	1000.0	9.000	GND	L2	10.2	7.1	51.5	
0.483650	34.5	1000.0	9.000	GND	L1	10.2	11.8	46.3	
3.487138	36.6	1000.0	9.000	GND	L2	10.3	9.4	46.0	
6.114750	38.0	1000.0	9.000	GND	L2	10.4	12.0	50.0	



Cooking element #3



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.082390	70.5	1000.0	0.200	GND	L2	10.2	15.0	85.5	
0.161138	54.0	1000.0	9.000	GND	L2	10.2	11.4	65.4	
0.202000	53.7	1000.0	9.000	GND	L1	10.2	9.8	63.5	
0.283950	46.6	1000.0	9.000	GND	L2	10.2	14.1	60.7	
0.971075	37.6	1000.0	9.000	GND	L1	10.3	18.4	56.0	
3.699562	44.2	1000.0	9.000	GND	L2	10.3	11.8	56.0	
6.043750	42.0	1000.0	9.000	GND	L2	10.4	18.0	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.161138	50.2	1000.0	9.000	GND	L2	10.2	5.2	55.4	
0.202000	49.7	1000.0	9.000	GND	L1	10.2	3.8	53.5	
0.283950	42.4	1000.0	9.000	GND	L2	10.2	8.3	50.7	
0.971075	30.6	1000.0	9.000	GND	L1	10.3	15.4	46.0	
3.699562	35.0	1000.0	9.000	GND	L2	10.3	11.0	46.0	
6.043750	36.1	1000.0	9.000	GND	L2	10.4	13.9	50.0	



Cooking element #4



Final Result 1

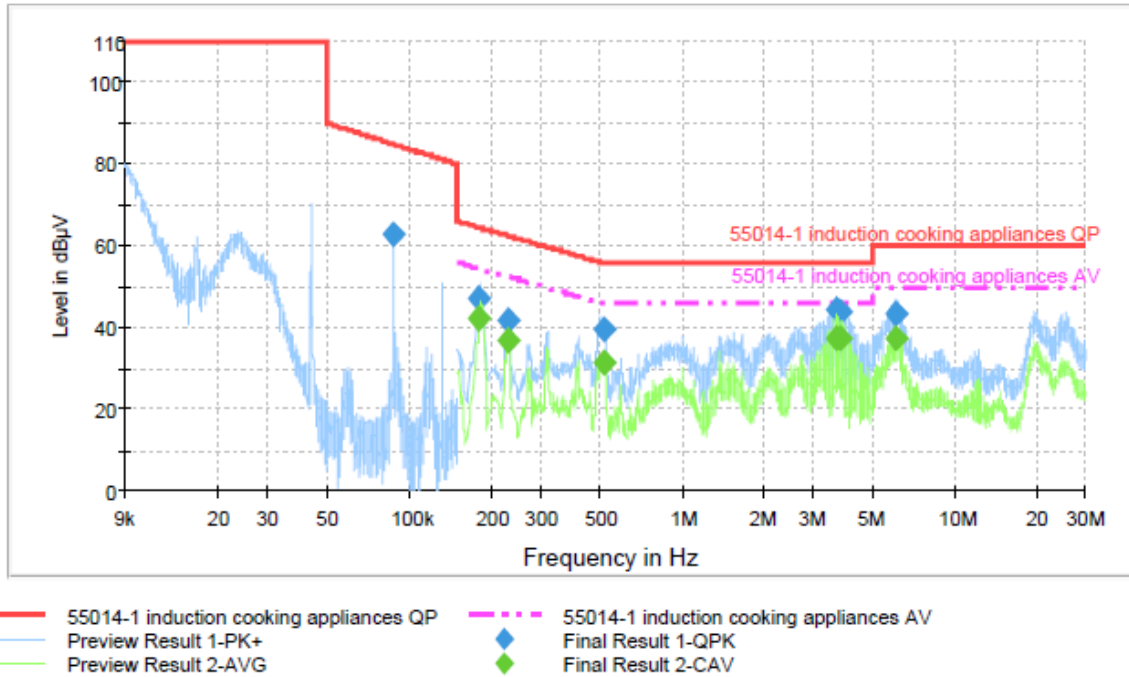
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.072415	74.1	1000.0	0.200	GND	L2	10.2	12.5	86.6	
0.178000	48.1	1000.0	9.000	GND	L1	10.2	16.5	64.6	
0.253275	40.6	1000.0	9.000	GND	L2	10.2	21.0	61.6	
0.508625	39.5	1000.0	9.000	GND	L2	10.2	16.5	56.0	
3.739450	36.3	1000.0	9.000	GND	L2	10.3	19.7	56.0	
6.174000	40.5	1000.0	9.000	GND	L1	10.4	19.5	60.0	
24.183250	40.1	1000.0	9.000	GND	L1	10.8	19.9	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.178000	43.0	1000.0	9.000	GND	L1	10.2	11.6	54.6	
0.253275	35.5	1000.0	9.000	GND	L2	10.2	16.1	51.6	
0.508625	30.5	1000.0	9.000	GND	L2	10.2	15.5	46.0	
3.739450	28.9	1000.0	9.000	GND	L2	10.3	17.1	46.0	
6.174000	33.9	1000.0	9.000	GND	L1	10.4	16.1	50.0	
24.183250	33.8	1000.0	9.000	GND	L1	10.8	16.2	50.0	



Cooking element #5



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.086126	62.7	1000.0	0.200	GND	L1	10.2	22.4	85.1	
0.178000	47.1	1000.0	9.000	GND	L1	10.2	17.5	64.6	
0.228812	41.7	1000.0	9.000	GND	L2	10.2	20.8	62.5	
0.511050	39.3	1000.0	9.000	GND	L2	10.2	16.7	56.0	
3.654700	44.5	1000.0	9.000	GND	L2	10.3	11.5	56.0	
3.825775	44.0	1000.0	9.000	GND	L2	10.3	12.0	56.0	
6.017750	43.5	1000.0	9.000	GND	L2	10.4	16.5	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.178000	42.5	1000.0	9.000	GND	L1	10.2	12.1	54.6	
0.228812	36.9	1000.0	9.000	GND	L2	10.2	15.6	52.5	
0.511050	31.3	1000.0	9.000	GND	L2	10.2	14.7	46.0	
3.654700	37.6	1000.0	9.000	GND	L2	10.3	8.4	46.0	
3.825775	37.7	1000.0	9.000	GND	L2	10.3	8.3	46.0	
6.017750	37.2	1000.0	9.000	GND	L2	10.4	12.8	50.0	



7. Radiated Emission

7.1 Operating Environment

Temperature : 18.5 °C
Relative Humidity : 21.7 %
Air Pressure : 102.0 kPa

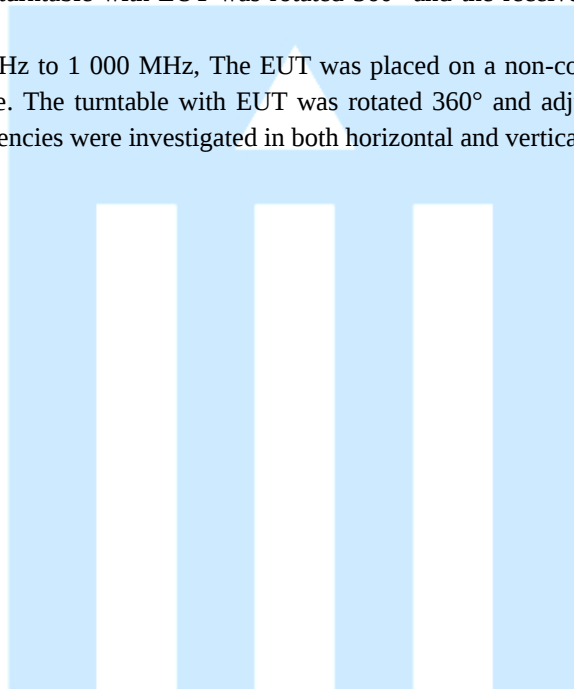
7.2 Test Set-up

The Radiated emission measurements were conducted at the worst test conditions.

The measurements of below 1 GHz were made at 3 m Semi Anechoic Chamber or 10 m Semi Anechoic Chamber (FCC Test Firm Registration No.: 269701) that complies with CISPR 16 / ANSI C63.4.

The frequency range of 9 kHz to 30 MHz, The EUT was placed on a non-conductive turntable approximately 0.8 m above the ground plane. The turntable with EUT was rotated 360° and the receive antenna was fixed 2.0 m on the ground plane.

The frequency range of 30 MHz to 1 000 MHz, The EUT was placed on a non-conductive turntable approximately 0.8 m above the ground plane. The turntable with EUT was rotated 360° and adjusting the receive antenna height from 1.0 m to 4.0 m. All frequencies were investigated in both horizontal and vertical antenna polarity.



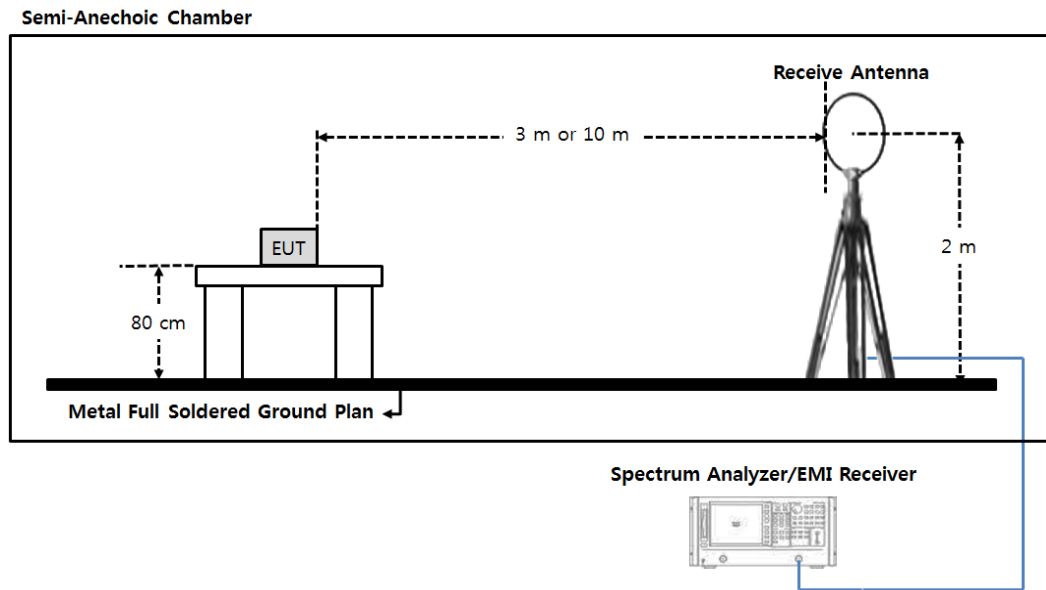


Fig 3. Configurations of Radiated emission test (9 kHz to 30 MHz)

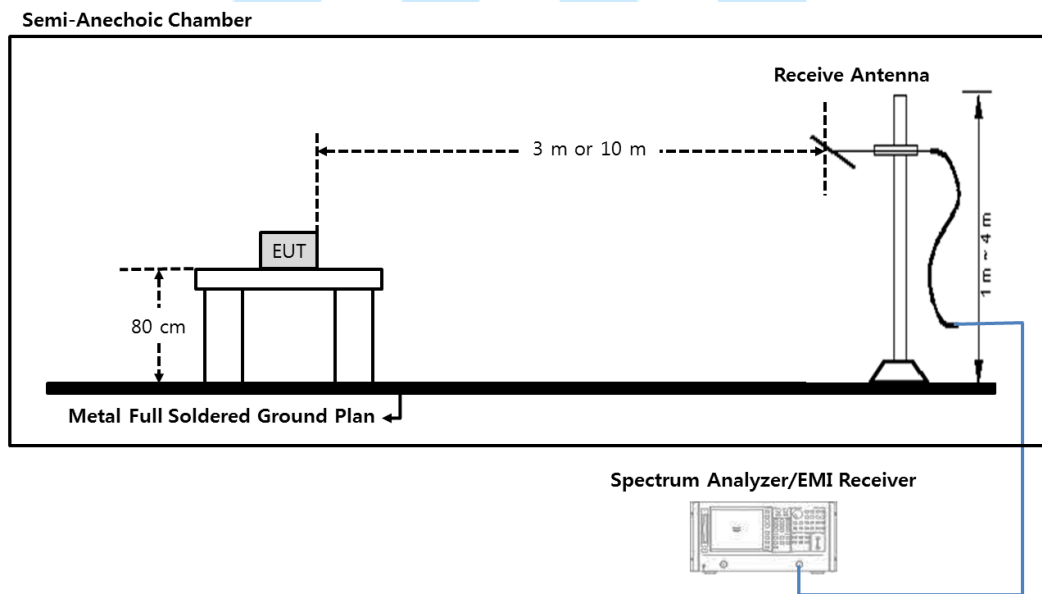


Fig 4. Configurations of Radiated emission test (30 MHz to 1 000 MHz)



7.3 Measurement Uncertainty

The measurement uncertainty was calculated in accordance with ISO “Guide to the expression of uncertainty in measurement”.

The measurement uncertainty was given with a confidence of 95 %.

Test Items(10 m Anechoic Chamber)	Uncertainty	Remark
Radiated emission (30 MHz ~ 300 MHz, 10 m, Vertical)	4.77 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (30 MHz ~ 300 MHz, 10 m, Horizontal)	4.79 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (300 MHz ~ 1 000 MHz, 10 m, Vertical)	4.91 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (300 MHz ~ 1 000 MHz, 10 m, Horizontal)	4.90 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (1 000 MHz ~ 6 000 MHz, 3 m)	4.61 dB	Confidence level of approximately 95 % ($k = 2$)
Test items (3 m Anechoic Chamber)	Uncertainty	Remark
Radiated emission (30 MHz ~ 300 MHz, 3 m, Vertical)	4.90 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (30 MHz ~ 300 MHz, 3 m, Horizontal)	4.79 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (300 MHz ~ 1 000 MHz, 3 m, Vertical)	6.23 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (300 MHz ~ 1 000 MHz, 3 m, Horizontal)	5.16 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (1 GHz ~ 6 GHz, 3 m)	4.56 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (6 GHz ~ 18 GHz, 3 m)	4.88 dB	Confidence level of approximately 95 % ($k = 2$)

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

The listed uncertainties are the worst case uncertainty for the entire range of measurement. please note that the uncertainty values are provided for informational purposes only are not used in determining the PASS/FAIL results



7.4 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 $25 \times \text{SQRT}(\text{power}/500)$	300 ¹ 300
	Any non-ISM frequency	Below 500 500 or more	15 $15 \times \text{SQRT}(\text{power}/500)$	300 ¹ 300
Industrial heaters and RF stabilized arc welders	On or below 5,725 MHz Above 5,725 MHz	Any Any	10 (²)	1,600 (²)
Medical diathermy	Any ISM frequency Any non-ISM frequency	Any Any	25 15	300 300
Ultrasonic	Below 490 kHz	Below 500 500 or more	$2,400/\text{F}(\text{kHz})$ $2,400/\text{F}(\text{kHz}) \times \text{SQRT}(\text{power}/500)$	300 ³ 300
	490 to 1,600 kHz Above 1,600 kHz	Any Any	$24,000/\text{F}(\text{kHz})$ 15	30 30
Induction cooking ranges	Below 90 kHz On or above 90 kHz	Any Any	1,500 300	⁴ 30 ⁴ 30

Note.

- 1) Field strength may not exceed 10 $\mu\text{V}/\text{m}$ 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 $\mu\text{V}/\text{m}$ 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.



7.5 Test Equipment used

Model Name	Manufacturer	Description	Serial Number	Calibration Date
■ - ESR7	Rohde & Schwarz	EMI Test Receiver	101382	Apr. 02, 2025
■ - HFH2-Z2	Rohde & Schwarz	Loop ANT	100041	Apr. 15, 2024
■ - CO3000	Innco system GmbH	Position Controller	CO3000/779/330 50314/L	N/A
■ - DT3000	Innco system GmbH	Turntable	1280314	N/A
□ - MA4000-EP	Innco system GmbH	Antenna Mast	4420314	N/A
□ - MA4640-XP-ET	Innco system GmbH	Antenna Mast	MA4640/558	N/A
■ - EMC 32	Rohde & Schwarz	Software	Ver.10.60.20	N/A
■ - Chamber D	SYC Co., Ltd.	N/A	N/A	N/A

7.6 Test data for Radiated Emission

- . Test Date : Feb. 09, 2026
-. Measurement Distance : 10 m
-. Note : Since the frequency band in which the EUT operates is less than 1.705 MHz, it was tested up to 30 MHz.

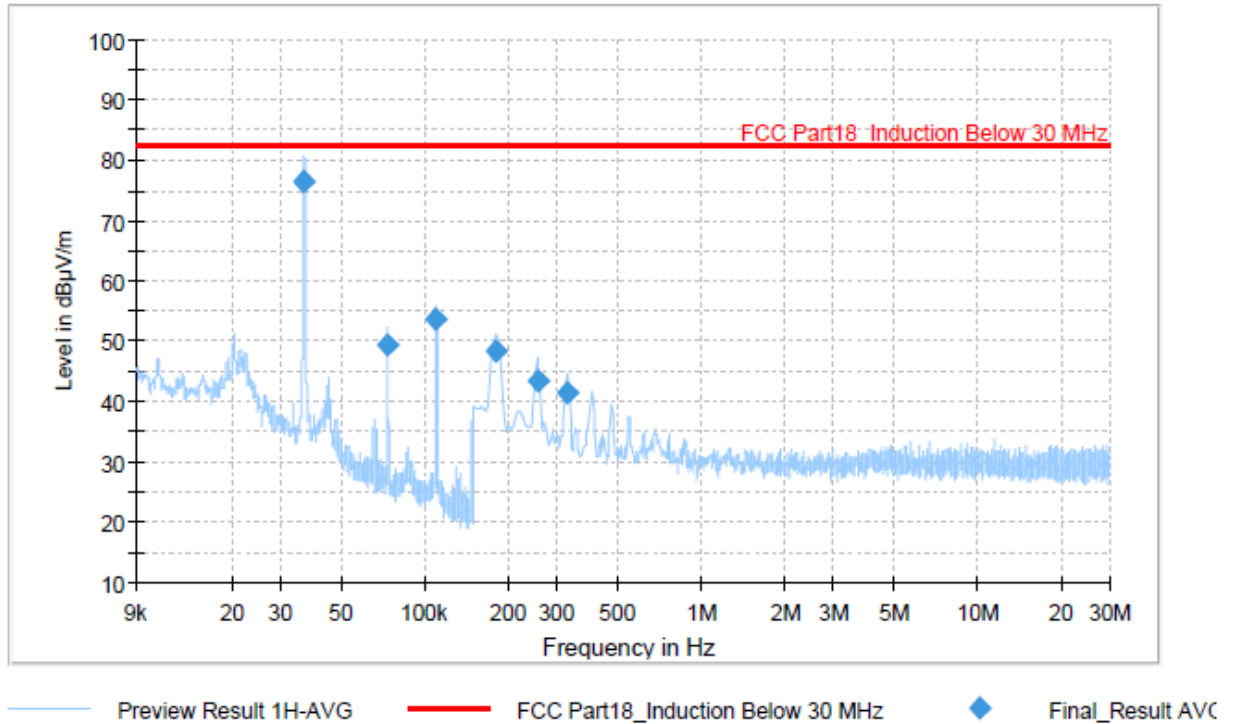
-. Measurement setting

Frequency range	9 kHz ~ 150 kHz	0.15 MHz ~ 30 MHz
Detector mode	Average	Average
Resolution bandwidth	200 Hz	9 kHz



-. **Measurement Data:** Induction mode with WLAN
[AC 208 V, 60 Hz]

Cooking Element #1_H

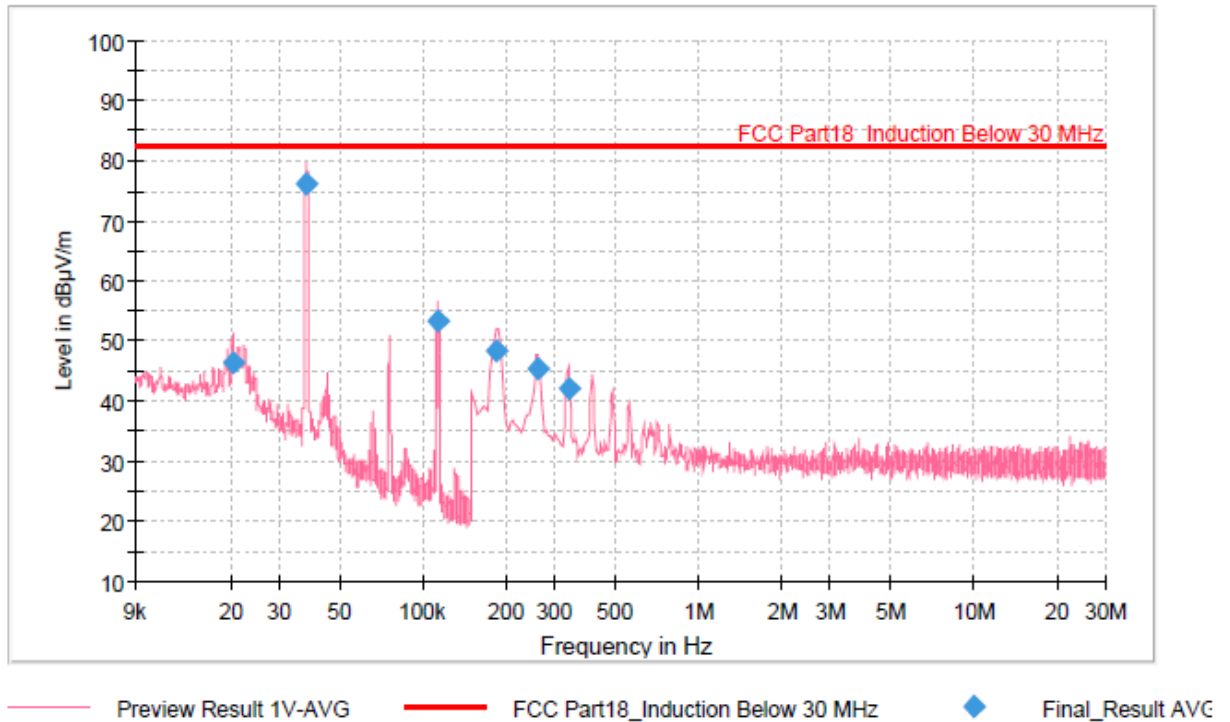


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.036618	76.64	82.60	5.96	1000.0	0.200	H	268.0	20.1
0.073155	49.36	82.60	33.24	1000.0	0.200	H	304.0	20.0
0.109745	53.57	82.60	29.03	1000.0	0.200	H	304.0	20.0
0.179850	48.37	82.60	34.23	1000.0	9.000	H	298.0	19.9
0.254475	43.56	82.60	39.04	1000.0	9.000	H	286.0	19.8
0.325369	41.52	82.60	41.08	1000.0	9.000	H	286.0	19.8



Cooking Element #1_V

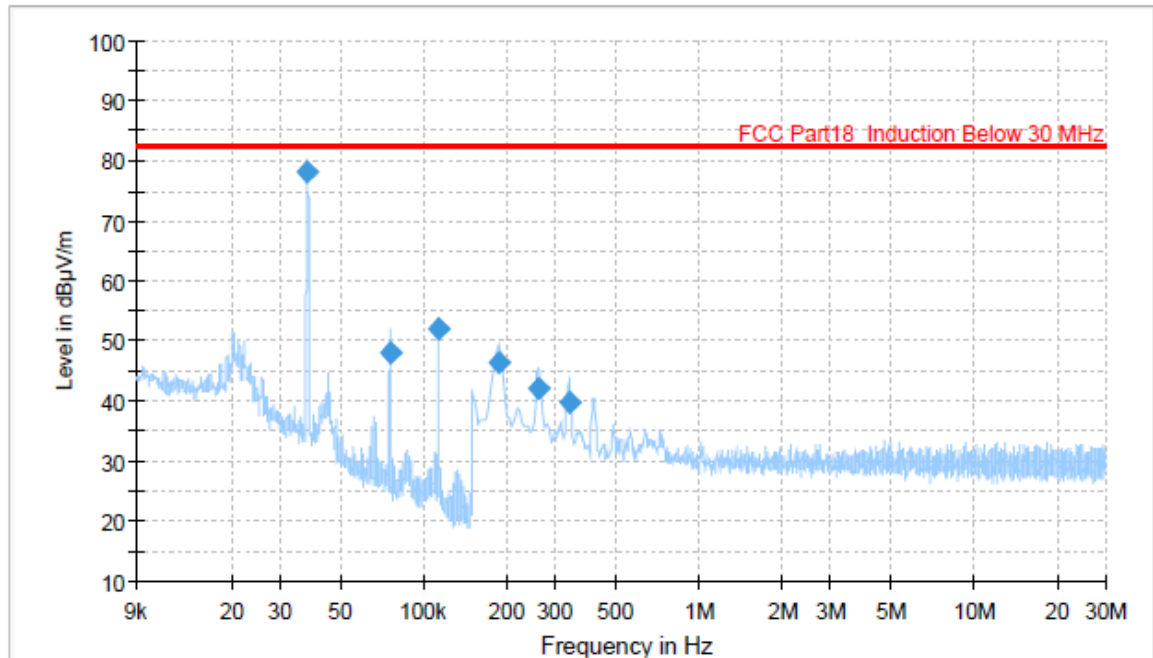


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020315	46.51	82.60	36.09	1000.0	0.200	V	347.0	20.3
0.037852	76.27	82.60	6.33	1000.0	0.200	V	339.0	20.1
0.113023	53.35	82.60	29.25	1000.0	0.200	V	206.0	20.0
0.183581	48.38	82.60	34.22	1000.0	9.000	V	214.0	19.9
0.261938	45.43	82.60	37.17	1000.0	9.000	V	214.0	19.8
0.336563	42.15	82.60	40.45	1000.0	9.000	V	206.0	19.8



Cooking Element #2_H



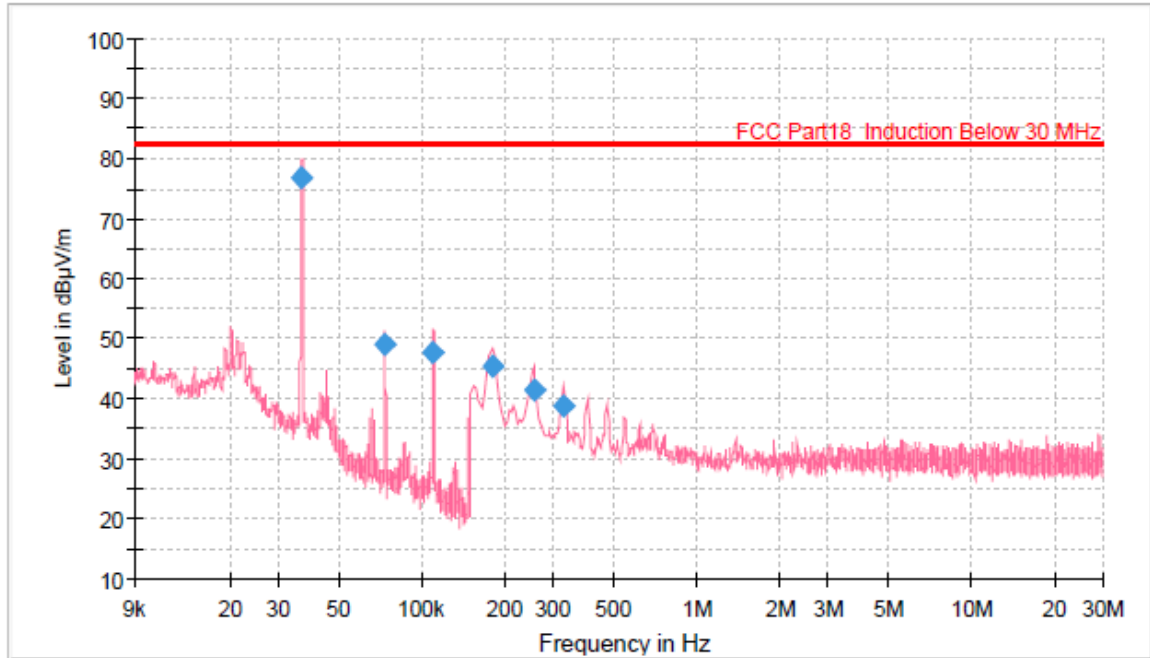
Preview Result 1H-AVG FCC Part18_Induction Below 30 MHz Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.037746	78.29	82.60	4.31	1000.0	0.200	H	277.0	20.1
0.075623	47.99	82.60	34.61	1000.0	0.200	H	309.0	20.0
0.113234	51.95	82.60	30.65	1000.0	0.200	H	277.0	20.0
0.187313	46.55	82.60	36.05	1000.0	9.000	H	277.0	19.9
0.261938	42.13	82.60	40.47	1000.0	9.000	H	255.0	19.8
0.336563	39.89	82.60	42.71	1000.0	9.000	H	250.0	19.8



Cooking Element #2_V



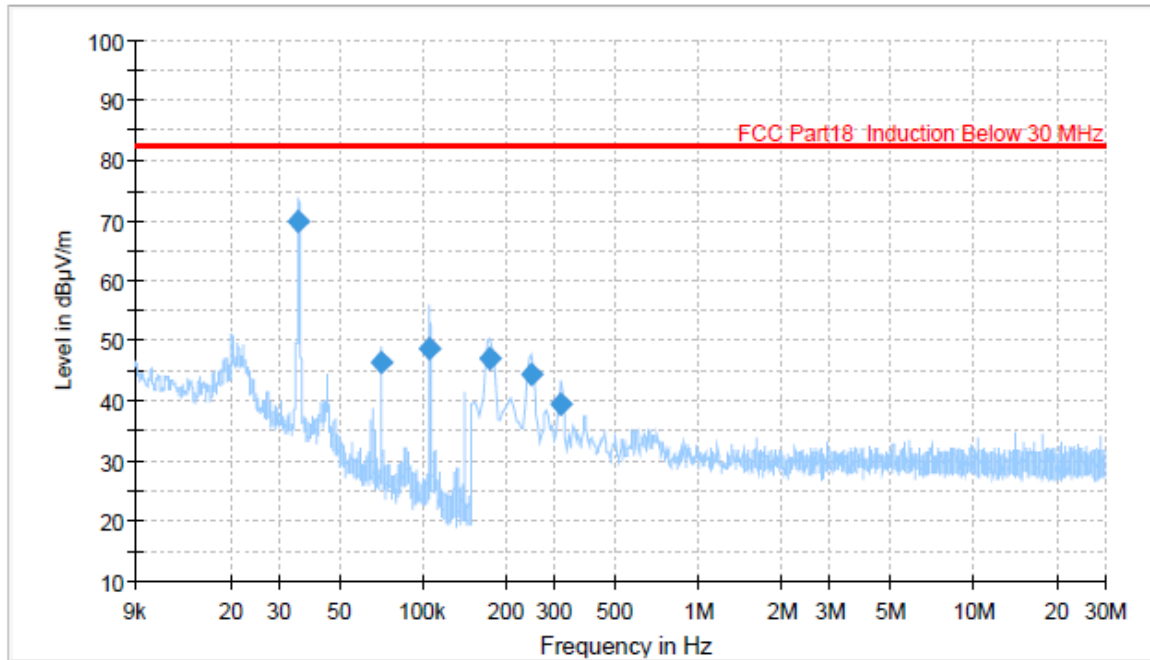
Preview Result 1V-AVG FCC Part18_Induction Below 30 MHz Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.036513	76.81	82.60	5.79	1000.0	0.200	V	0.0	20.1
0.073085	48.94	82.60	33.66	1000.0	0.200	V	226.0	20.0
0.109551	47.85	82.60	34.75	1000.0	0.200	V	0.0	20.0
0.179850	45.35	82.60	37.25	1000.0	9.000	V	0.0	19.9
0.254475	41.55	82.60	41.05	1000.0	9.000	V	7.0	19.8
0.325369	38.81	82.60	43.79	1000.0	9.000	V	15.0	19.8



Cooking Element #3_H



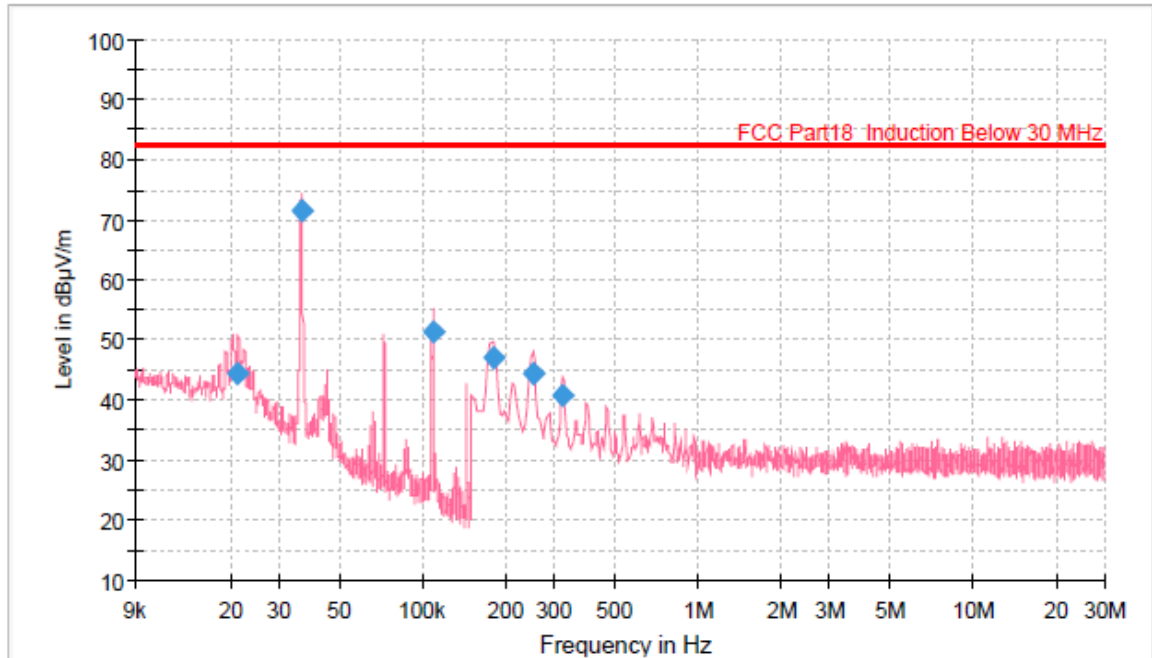
— Preview Result 1H-AVG — FCC Part18_Induction Below 30 MHz ◆ Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.035332	70.01	82.60	12.59	1000.0	0.200	H	59.0	20.1
0.070776	46.54	82.60	36.06	1000.0	0.200	H	352.0	20.0
0.105990	48.78	82.60	33.82	1000.0	0.200	H	59.0	20.0
0.176119	47.20	82.60	35.40	1000.0	9.000	H	205.0	19.9
0.247013	44.28	82.60	38.32	1000.0	9.000	H	225.0	19.8
0.317906	39.49	82.60	43.11	1000.0	9.000	H	252.0	19.8



Cooking Element #3_V



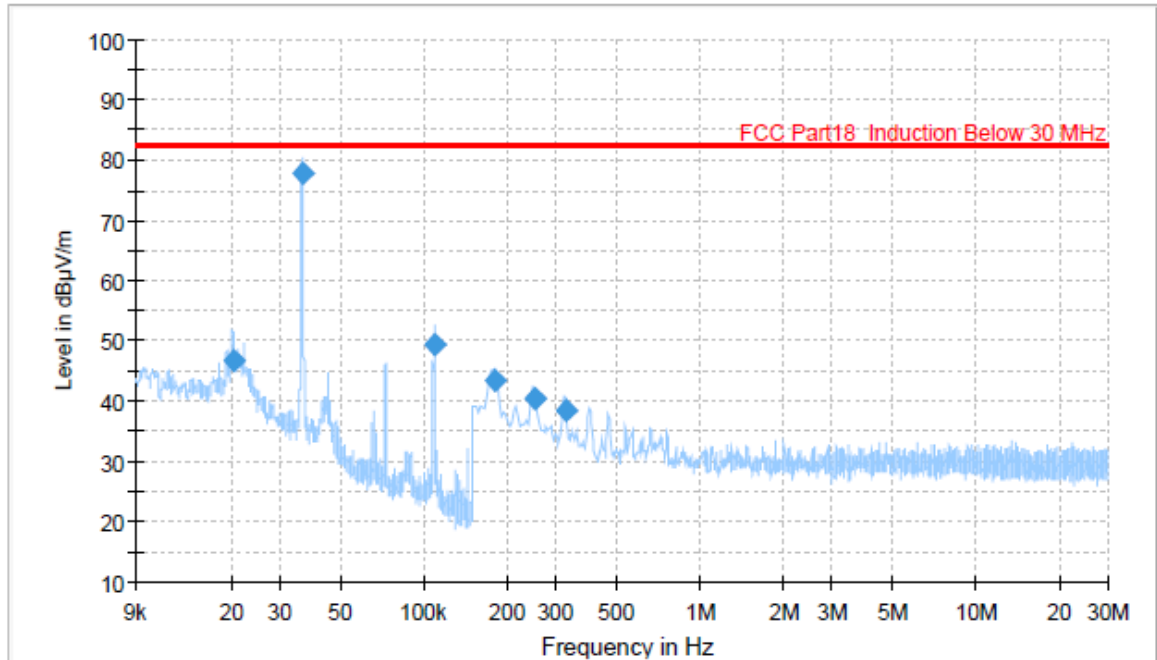
— Preview Result 1V-AVG — FCC Part18_Induction Below 30 MHz ◆ Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.021285	44.34	82.60	38.26	1000.0	0.200	V	0.0	20.3
0.036231	71.52	82.60	11.08	1000.0	0.200	V	341.0	20.1
0.108476	51.32	82.60	31.28	1000.0	0.200	V	315.0	20.0
0.179850	46.91	82.60	35.69	1000.0	9.000	V	289.0	19.9
0.250744	44.40	82.60	38.20	1000.0	9.000	V	289.0	19.8
0.321638	40.63	82.60	41.97	1000.0	9.000	V	289.0	19.8



Cooking Element #4_H



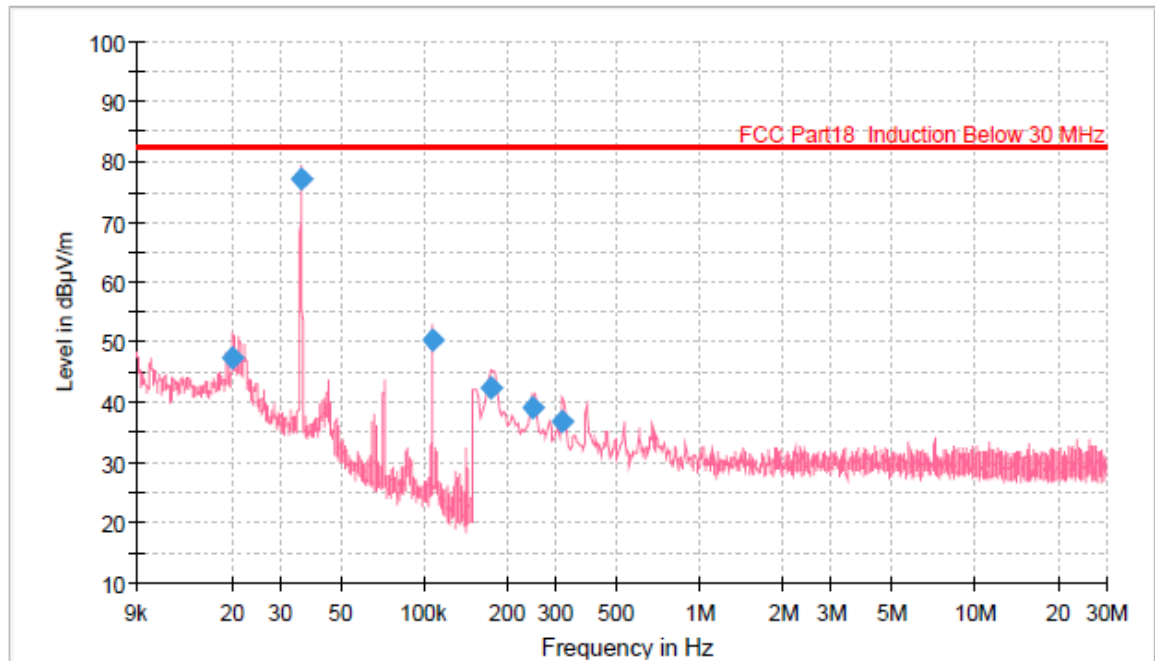
Preview Result 1H-AVG FCC Part18 Induction Below 30 MHz Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020280	46.87	82.60	35.73	1000.0	0.200	H	108.0	20.3
0.036125	77.99	82.60	4.61	1000.0	0.200	H	49.0	20.1
0.108264	49.54	82.60	33.06	1000.0	0.200	H	64.0	20.0
0.179850	43.53	82.60	39.07	1000.0	9.000	H	59.0	19.9
0.250744	40.45	82.60	42.15	1000.0	9.000	H	325.0	19.8
0.325369	38.46	82.60	44.14	1000.0	9.000	H	345.0	19.8



Cooking Element #4_V



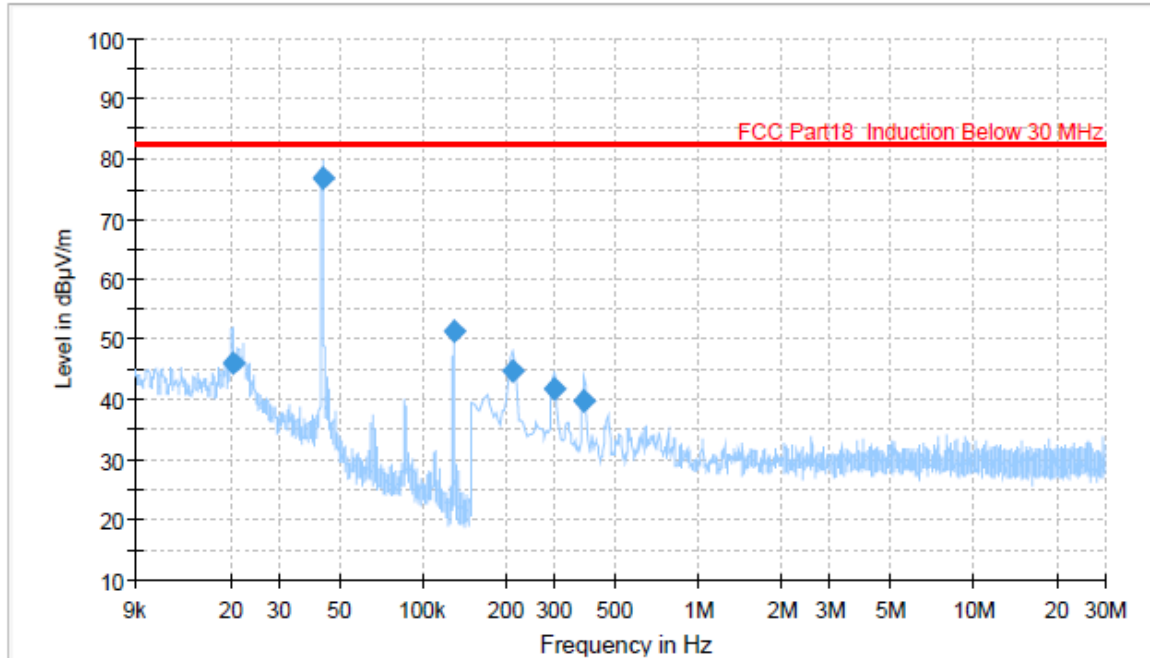
Preview Result 1V-AVG FCC Part18_Induction Below 30 MHz Final_Result AVG

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020139	47.37	82.60	35.23	1000.0	0.200	V	0.0	20.3
0.035614	77.15	82.60	5.45	1000.0	0.200	V	324.0	20.1
0.106836	50.32	82.60	32.28	1000.0	0.200	V	0.0	20.0
0.176119	42.45	82.60	40.15	1000.0	9.000	V	0.0	19.9
0.247013	39.07	82.60	43.53	1000.0	9.000	V	48.0	19.8
0.317906	36.86	82.60	45.74	1000.0	9.000	V	48.0	19.8



Cooking Element #5_H



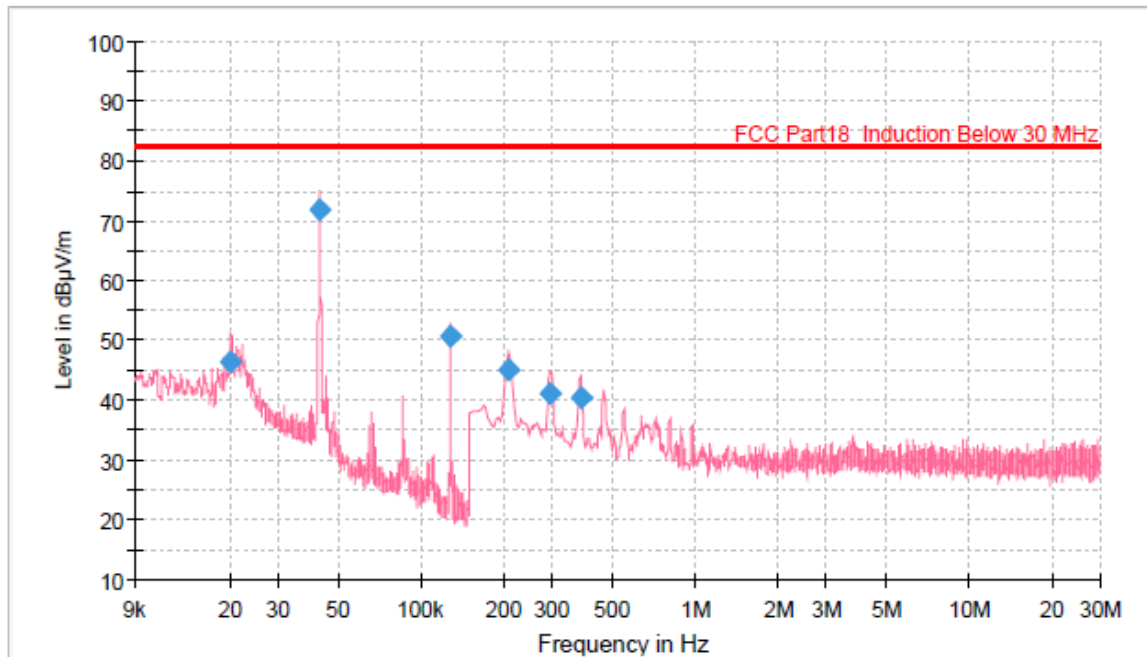
— Preview Result 1H-AVG — FCC Part18_Induction Below 30 MHz ◆ Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020315	46.10	82.60	36.50	1000.0	0.200	H	181.0	20.3
0.042999	76.76	82.60	5.84	1000.0	0.200	H	32.0	20.1
0.128991	51.28	82.60	31.32	1000.0	0.200	H	6.0	20.0
0.213431	44.69	82.60	37.91	1000.0	9.000	H	0.0	19.9
0.299250	41.62	82.60	40.98	1000.0	9.000	H	43.0	19.8
0.385069	39.92	82.60	42.68	1000.0	9.000	H	51.0	19.8



Cooking Element #5_V



Preview Result 1V-AVG FCC Part18_Induction Below 30 MHz Final_Result AVC

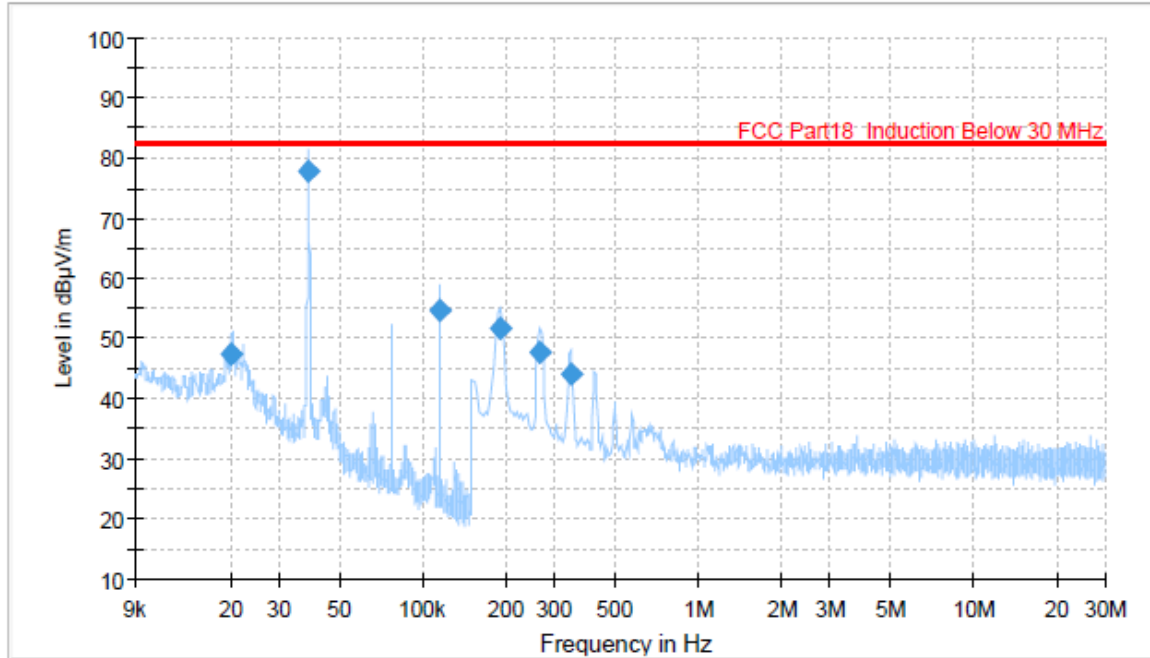
Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020210	46.55	82.60	36.05	1000.0	0.200	V	143.0	20.3
0.042593	71.96	82.60	10.64	1000.0	0.200	V	274.0	20.1
0.127775	50.74	82.60	31.86	1000.0	0.200	V	274.0	20.0
0.209700	44.93	82.60	37.67	1000.0	9.000	V	254.0	19.9
0.295519	41.21	82.60	41.39	1000.0	9.000	V	8.0	19.8
0.381338	40.57	82.60	42.03	1000.0	9.000	V	358.0	19.8



[AC 240 V, 60 Hz]

Cooking Element #1_H



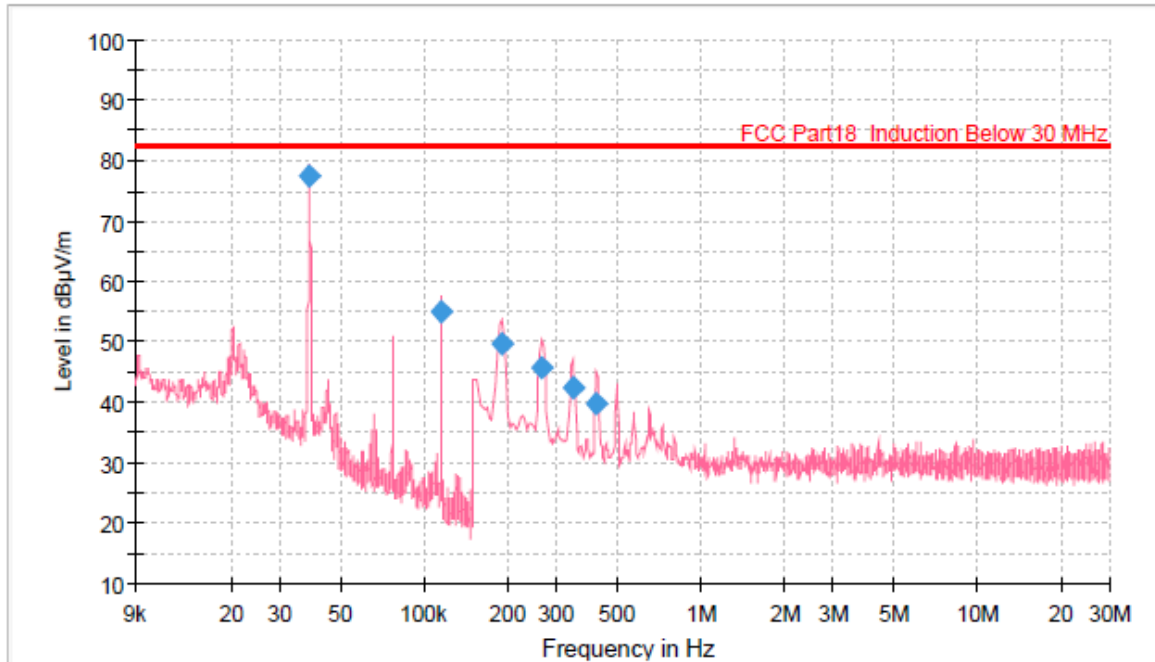
Preview Result 1H-AVG FCC Part18_Induction Below 30 MHz Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020174	47.22	82.60	35.38	1000.0	0.200	H	0.0	20.3
0.038310	77.96	82.60	4.64	1000.0	0.200	H	261.0	20.1
0.114979	54.75	82.60	27.85	1000.0	0.200	H	293.0	20.0
0.191044	51.59	82.60	31.01	1000.0	9.000	H	293.0	19.9
0.265669	47.56	82.60	35.04	1000.0	9.000	H	301.0	19.8
0.344025	43.96	82.60	38.64	1000.0	9.000	H	269.0	19.8



Cooking Element #1_V



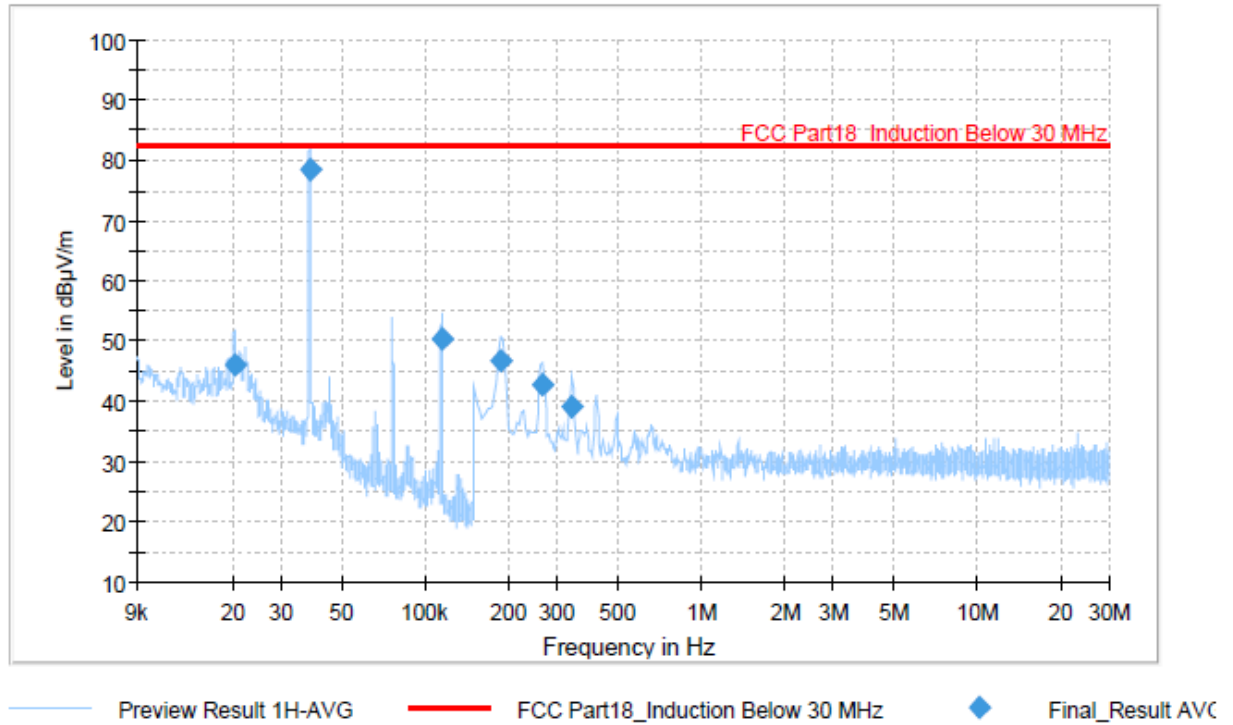
Preview Result 1V-AVG FCC Part18_Induction Below 30 MHz Final_Result AVG

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.038328	77.38	82.60	5.22	1000.0	0.200	V	338.0	20.1
0.114962	55.00	82.60	27.60	1000.0	0.200	V	213.0	20.0
0.191044	49.78	82.60	32.82	1000.0	9.000	V	183.0	19.9
0.265669	45.71	82.60	36.89	1000.0	9.000	V	207.0	19.8
0.344025	42.54	82.60	40.06	1000.0	9.000	V	183.0	19.8
0.418650	39.92	82.60	42.68	1000.0	9.000	V	207.0	19.8



Cooking Element #2_H

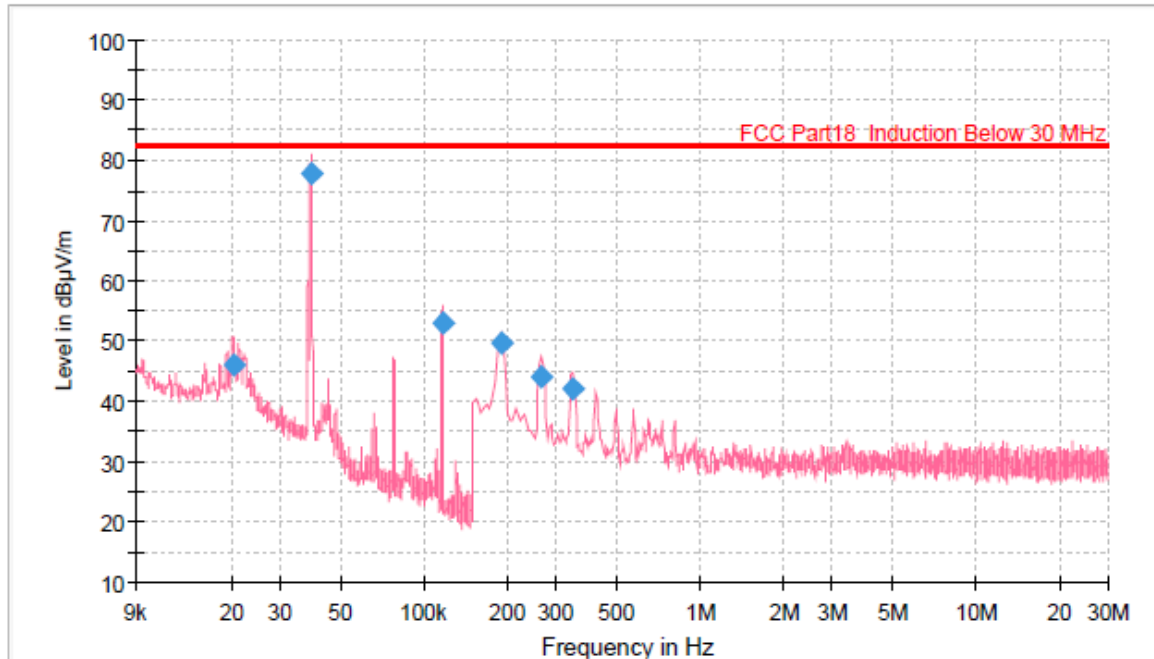


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020262	46.09	82.60	36.51	1000.0	0.200	H	123.0	20.3
0.037993	78.44	82.60	4.16	1000.0	0.200	H	260.0	20.1
0.113992	50.36	82.60	32.24	1000.0	0.200	H	260.0	20.0
0.187313	46.57	82.60	36.03	1000.0	9.000	H	276.0	19.9
0.265669	42.79	82.60	39.81	1000.0	9.000	H	260.0	19.8
0.340294	39.13	82.60	43.47	1000.0	9.000	H	291.0	19.8



Cooking Element #2_V



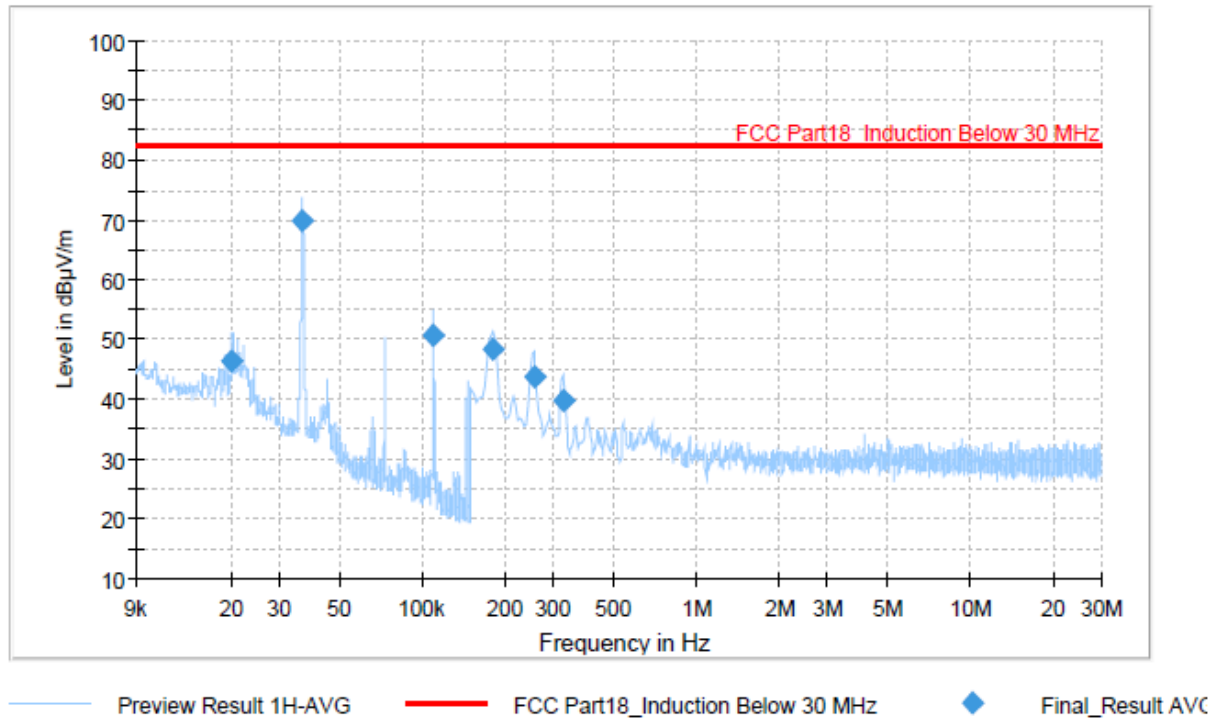
Preview Result 1V-AVG FCC Part18_Induction Below 30 MHz Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020351	45.91	82.60	36.69	1000.0	0.200	V	194.0	20.3
0.038874	77.78	82.60	4.82	1000.0	0.200	V	343.0	20.1
0.116636	53.03	82.60	29.57	1000.0	0.200	V	343.0	20.0
0.191044	49.67	82.60	32.93	1000.0	9.000	V	187.0	19.9
0.265669	44.11	82.60	38.49	1000.0	9.000	V	0.0	19.8
0.344025	42.20	82.60	40.40	1000.0	9.000	V	343.0	19.8



Cooking Element #3_H

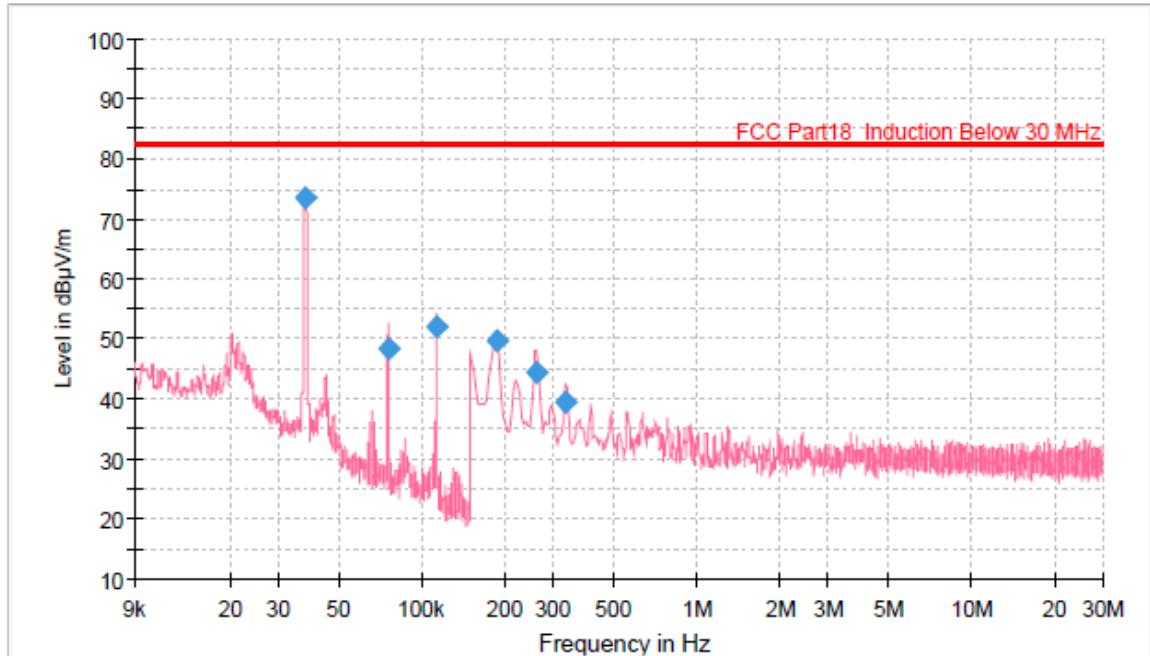


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020227	46.41	82.60	36.19	1000.0	0.200	H	153.0	20.3
0.036389	69.85	82.60	12.75	1000.0	0.200	H	260.0	20.1
0.109057	50.61	82.60	31.99	1000.0	0.200	H	196.0	20.0
0.179850	48.53	82.60	34.07	1000.0	9.000	H	205.0	19.9
0.254475	43.80	82.60	38.80	1000.0	9.000	H	237.0	19.8
0.325369	39.75	82.60	42.85	1000.0	9.000	H	39.0	19.8



Cooking Element #3_V



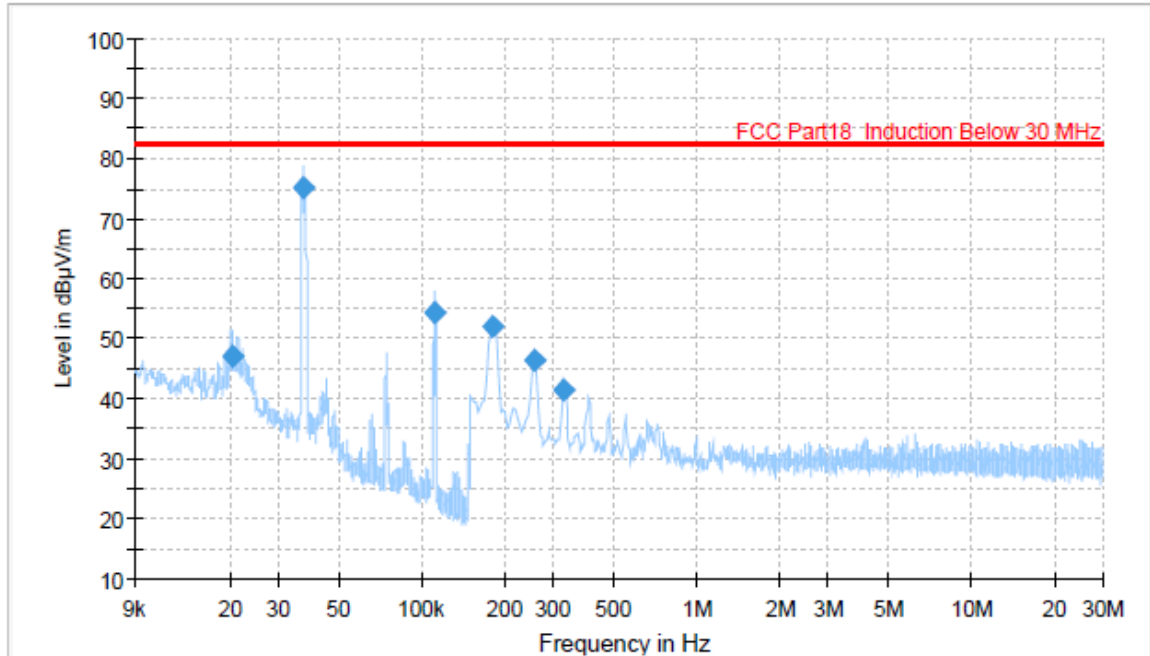
— Preview Result 1V-AVG — FCC Part18_Induction Below 30 MHz ◆ Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.037500	73.40	82.60	9.20	1000.0	0.200	V	189.0	20.1
0.075059	48.51	82.60	34.09	1000.0	0.200	V	70.0	20.0
0.112512	52.05	82.60	30.55	1000.0	0.200	V	308.0	20.0
0.187313	49.61	82.60	32.99	1000.0	9.000	V	321.0	19.9
0.261938	44.26	82.60	38.34	1000.0	9.000	V	321.0	19.8
0.332831	39.36	82.60	43.24	1000.0	9.000	V	326.0	19.8



Cooking Element #4_H



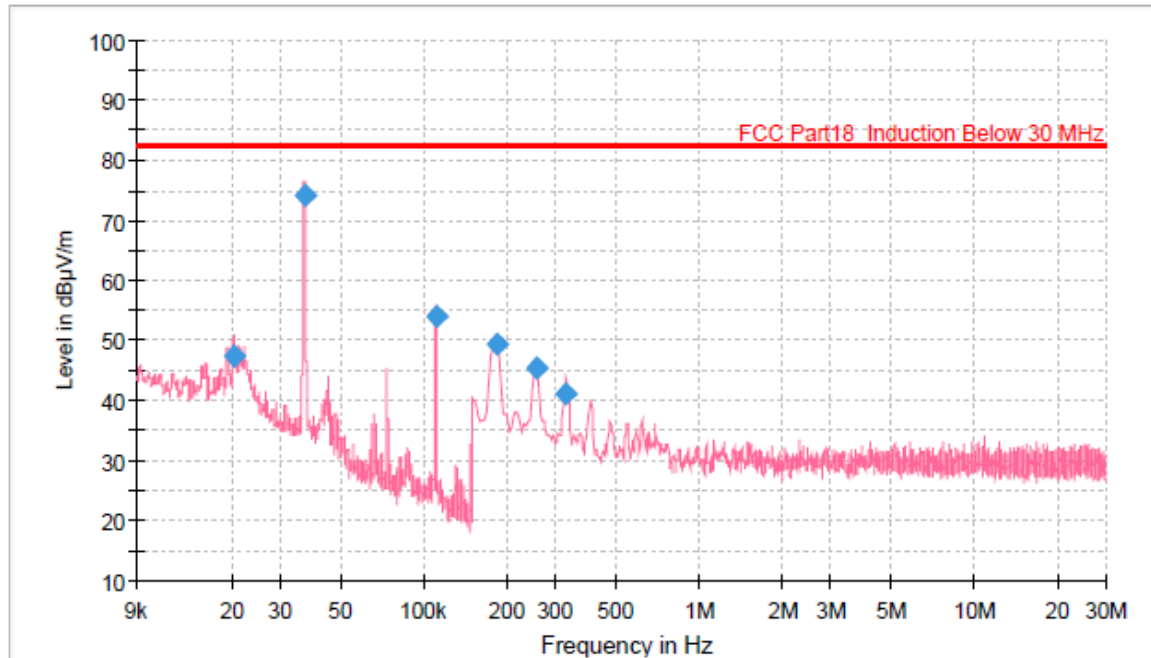
Preview Result 1H-AVG FCC Part18_Induction Below 30 MHz Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020262	46.90	82.60	35.70	1000.0	0.200	H	268.0	20.3
0.036848	75.21	82.60	7.39	1000.0	0.200	H	30.0	20.1
0.110643	54.18	82.60	28.42	1000.0	0.200	H	0.0	20.0
0.179850	51.97	82.60	30.63	1000.0	9.000	H	350.0	19.9
0.254475	46.33	82.60	36.27	1000.0	9.000	H	350.0	19.8
0.329100	41.34	82.60	41.26	1000.0	9.000	H	156.0	19.8



Cooking Element #4_V



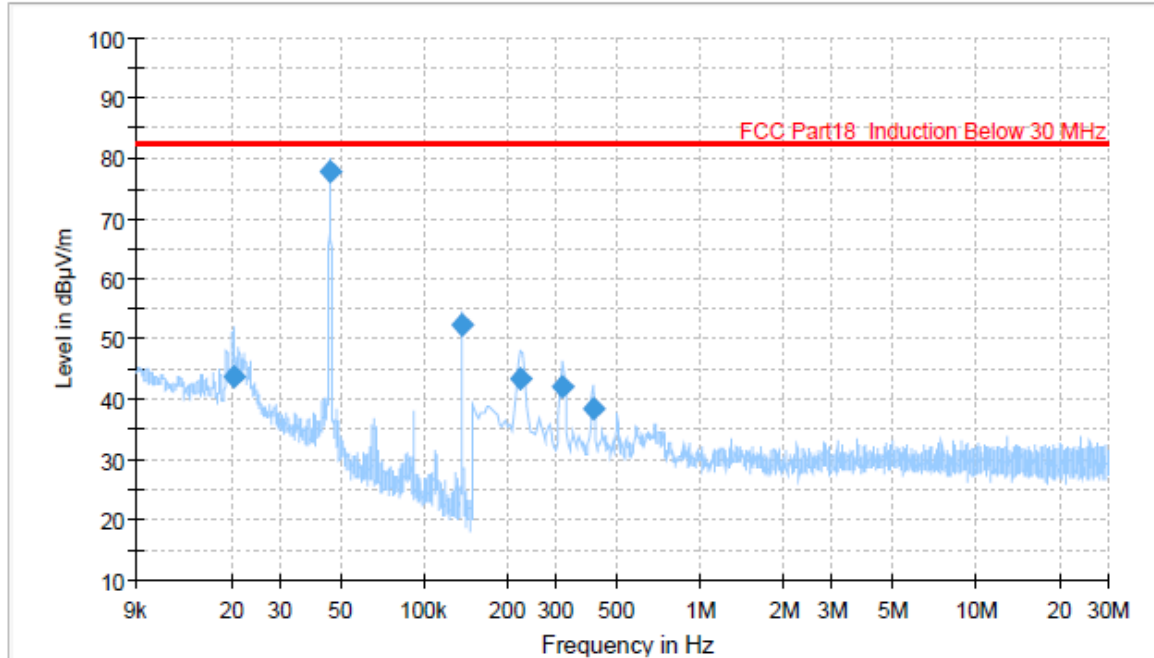
— Preview Result 1V-AVG — FCC Part18_Induction Below 30 MHz ◆ Final_Result AVC

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020262	47.23	82.60	35.37	1000.0	0.200	V	113.0	20.3
0.036724	74.31	82.60	8.29	1000.0	0.200	V	321.0	20.1
0.110044	54.11	82.60	28.49	1000.0	0.200	V	94.0	20.0
0.183581	49.45	82.60	33.15	1000.0	9.000	V	72.0	19.9
0.254475	45.30	82.60	37.30	1000.0	9.000	V	258.0	19.8
0.329100	41.12	82.60	41.48	1000.0	9.000	V	301.0	19.8



Cooking Element #5_H



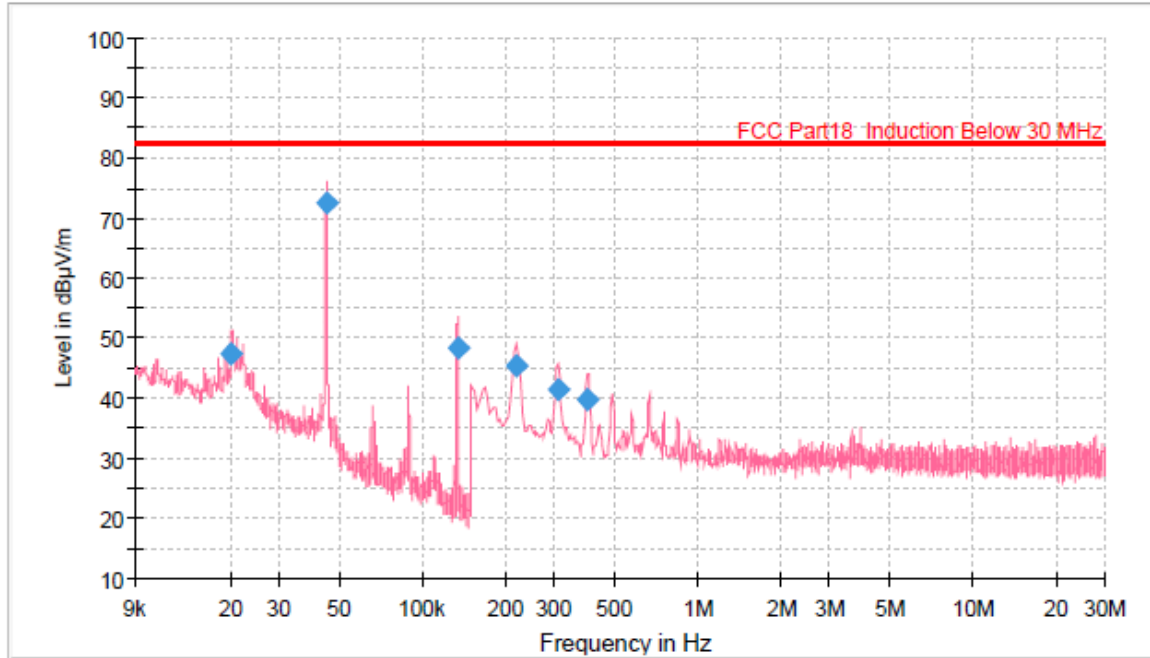
Preview Result 1H-AVG FCC Part18_Induction Below 30 MHz Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020280	43.87	82.60	38.73	1000.0	0.200	H	315.0	20.3
0.045590	77.72	82.60	4.88	1000.0	0.200	H	49.0	20.1
0.136305	52.38	82.60	30.22	1000.0	0.200	H	0.0	20.0
0.224625	43.58	82.60	39.02	1000.0	9.000	H	0.0	19.9
0.317906	42.12	82.60	40.48	1000.0	9.000	H	76.0	19.8
0.407456	38.29	82.60	44.31	1000.0	9.000	H	56.0	19.8



Cooking Element #5_V



Preview Result 1V-AVG FCC Part18_Induction Below 30 MHz Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020192	47.27	82.60	35.33	1000.0	0.200	V	71.0	20.3
0.044532	72.55	82.60	10.05	1000.0	0.200	V	286.0	20.0
0.133450	48.51	82.60	34.09	1000.0	0.200	V	246.0	20.0
0.220894	45.41	82.60	37.19	1000.0	9.000	V	269.0	19.9
0.310444	41.30	82.60	41.30	1000.0	9.000	V	321.0	19.8
0.396263	39.65	82.60	42.95	1000.0	9.000	V	0.0	19.8



Note.1 The worst case data were reported

And no other spurious and harmonic emissions were reported greater than listed emission above table

Note.2 “V”= Vertical and perpendicular to the centerline

“H” = horizontal (parallel to the ground)

Note.3 Cooking element

“1”= left front hob ,”2”= left rear hob, “3”= Center hob, “4”= right front hob, “5”= right rear hob





8. Sample Calculations

$$\begin{aligned} \text{dB}\mu\text{V} &= 20 \text{ Log}_{10}(\mu\text{V}/\text{m}) \\ \text{dB}\mu\text{V} &= \text{dBm} + 107 \\ \mu\text{V} &= 10^{(\text{dB}\mu\text{V}/20)} \end{aligned}$$

8.1 Example 1 :

■ 20.3 MHz

Class B Limit	= 250 μV = 48 dB μV
Reading	= 39.2 dB μV
$10^{(39.2\text{dB}\mu\text{V}/20)}$	= 91.2 μV
Margin	= 48 dB μV - 39.2 dB μV = 8.8 dB

8.2 Example 2 :

■ 66.7 MHz

Class B Limit	= 100 $\mu\text{V}/\text{m}$ = 40.0 dB $\mu\text{V}/\text{m}$
Reading	= 31.0 dB μV
Antenna Factor + Cable Loss	= 5.8 dB
Total	= 36.8 dB $\mu\text{V}/\text{m}$
Margin	= 40.0 dB $\mu\text{V}/\text{m}$ - 36.8 dB $\mu\text{V}/\text{m}$ = 3.2 dB



9. Recommendation & Conclusion

The data collected shows that the **HOUSEHOLD COOKTOP (Model Name: CBIU3639BE)** was complies with § 18.305 and 18.307 of the FCC Rules.

- The end -

