

EVALUATION REPORT

for Certification of Conformity

FCC Part 18

Applicant: LG Electronics USA, Inc.
111 Sylvan Avenue North Building
Englewood Cliffs New Jersey United States 07632,
Attn: David Kim / Team leader

Date of Issue: Apr. 14, 2025
Order Number: GETEC-C1-25-118
Test Report Number: GETEC-E3-25-016
Test Site: GUMI UNIVERSITY EMC CENTER
CAB Designation Number: KR0033

FCC ID. : BEJY47A43JA

Applicant: LG Electronics USA, Inc.

Rule Part(s)	: FCC Part 18
Test Method	: FCC/OET MP-5
EUT Type	: HOUSEHOLD ELECTRIC RANGE
Equipment Class	: Part 18 Consumer Device(8CC)
Type of Authority	: Certification
Model Name	: LTIS7338XE
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 vest 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,



Tak Dong Kim, Associate Engineer
GUMI UNIVERSITY EMC CENTER

Reviewed by,



Sung Joo Park, Technical Manager
GUMI UNIVERSITY EMC CENTER



Revision list

Test Report No.	Issue Date	Description
GETEC-E3-25-016	Apr. 14, 2025	First Approval Test Report

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





CONTENTS

1. GENERAL INFORMATION	4
2. INTRODUCTION	5
3. PRODUCT INFORMATION	6
3.1 DESCRIPTION OF EUT.....	6
3.2 SUPPORT EQUIPMENT / CABLES USED	7
3.3 MODIFICATION ITEM(S).....	7
4. DESCRIPTION OF TESTS.....	8
4.1 TEST CONDITION.....	8
5. SUMMARY OF TEST RESULTS	8
6. CONDUCTED EMISSION.....	9
6.1 OPERATING ENVIRONMENT	10
6.2 TEST SET-UP	10
6.3 MEASUREMENT UNCERTAINTY.....	10
6.4 LIMIT	11
6.5 TEST EQUIPMENT USED.....	11
6.6 TEST DATA FOR CONDUCTED EMISSION	11
7. RADIATED EMISSION	20
7.1 OPERATING ENVIRONMENT	20
7.2 TEST SET-UP	20
7.3 MEASUREMENT UNCERTAINTY.....	22
7.4 LIMIT	23
7.5 TEST EQUIPMENT USED.....	24
7.6 TEST DATA FOR RADIATED EMISSION	24
8. SAMPLE CALCULATIONS.....	74
8.1 EXAMPLE 1 :	74
8.2 EXAMPLE 2 :	74
9. RECOMMENDATION & CONCLUSION.....	75
 APPENDIX A – ATTESTATION STATEMENT	
APPENDIX B – LABEL LOCATION	
APPENDIX C – BLOCK DIAGRAM	
APPENDIX D – SCHEMATIC DIAGRAM	
APPENDIX E – TEST SETUP PHOTOGRAPH	
APPENDIX F – EXTERNAL PHOTOGRAPH	
APPENDIX G – INTERNAL PHOTOGRAPH	
APPENDIX H – USER’S MANUAL	
APPENDIX I – OPERATIONAL DESCRIPTION	
APPENDIX J – RF EXPOSURE EVALUATION	



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 USA, Inc.

Applicant Address: 111 Sylvan Avenue North Building

Englewood Cliffs New Jersey United States 07632

Manufacturer: LG Electronics Inc.

Manufacturer Address: 170, Sungsanpaechong-ro, Seongsan-gu, Changwon-si,

Gyeongsangnam-do, 51533, Korea

Contact Person: David Kim / Team leader

Telephone Number: 1-201-266-2443

● FCC ID.	BEJY47A43JA
● EUT Type	HOUSEHOLD ELECTRIC RANGE
● Model Name	LTIS7338XE
● 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	Apr. 07, 2025 ~ Apr. 12, 2025
● Place of Test	GUMI UNIVERSITY EMC CENTER (FCC Test Firm Registration Number: 269701) (ISED Test Site Registration Number: 7920A) 37 Yaeun-ro, Gumi-si, Gyeongsangbuk-do, 39213, Republic of Korea.
● Test Report Number	GETEC-E3-25-016
● Dates of Issue	Apr. 14, 2025



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 C63.4-2017) was used in determining radiated and conducted emissions emanating from **HOUSEHOLD ELECTRIC RANGE (Model name: LTIS7338XE)**.

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 C63.4 (2017)

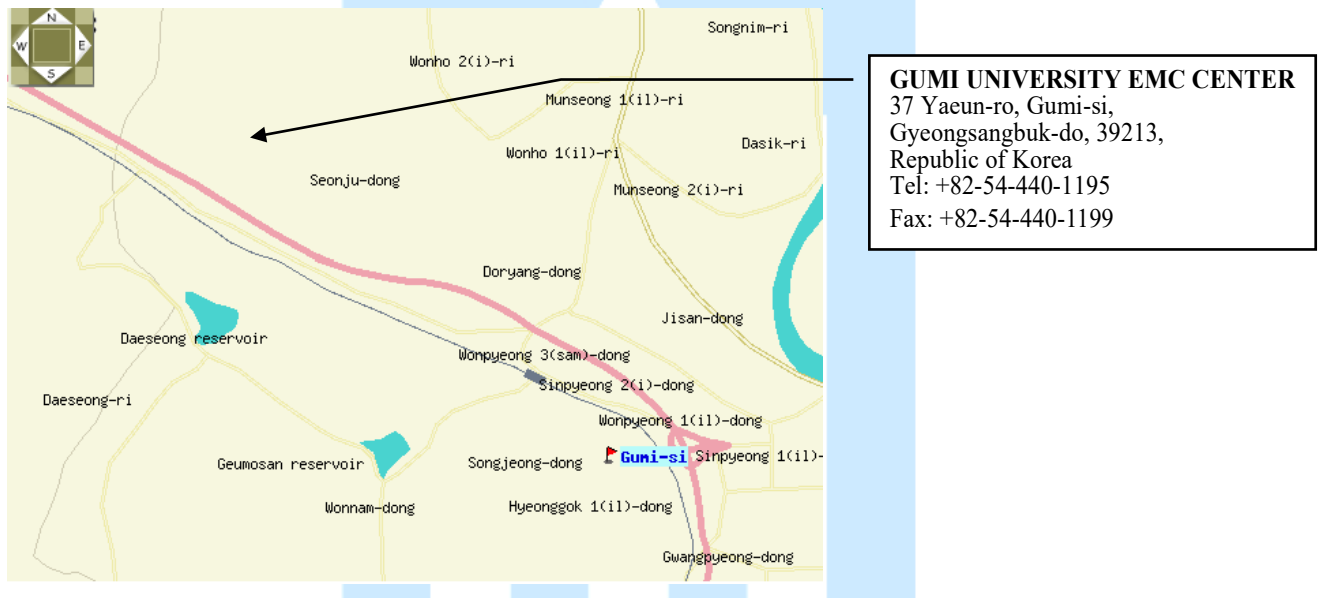


Fig 1. The map above shows the GUMI UNIVERSITY in vicinity area.

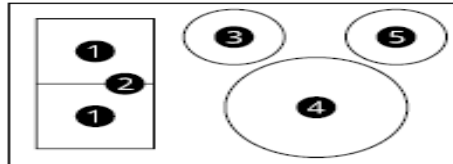


3. Product Information

3.1 Description of EUT

The Equipment under Test (EUT) is the **HOUSEHOLD ELECTRIC RANGE (Model Name:LTIS7338XE)**
FCC ID.: BEJY47A43JA

Oven Range Models	LTIS7338*E
Description	Electric Slide In Oven Range
Electrical requirements	15.5 kW 120/240 VAC or 12.7 kW 120/208 VAC
Exterior Dimensions	29 7/8" (W) x 35 14/16" (H) x 29 1/2" (D) (D with door closed) 76.0 cm (W) x 91.0 cm (H) x 75.0 cm (D) (D with door closed)
Height to cooking surface	36" (91.3 cm)
Net weight	211.6 lb (96.5Kg)
Total capacity	Upper Oven: 3.0 cu. ft. Lower Oven: 4.3 cu. ft. Total Capacity: 7.3 cu. ft.



- ❶ Induction Left Front/Rear Cooking Element:
8 1/2" x 7 1/8", 1650 W / 3300 W (240 V)
- ❷ Induction Flex Zone Cooking Element:
8 1/2" x 14 3/16", 2800 W / 3300 W (240 V)
- ❸ Induction Center Rear Cooking Element:
6", 1300 W / 1800 W (240 V)
- ❹ Induction Right Front Cooking Element:
11", 2400 W / 4300 W (240 V)
- ❺ Radiant Heat Warm Zone
6", 100W (240 V)

RF Module Specifications

Type	Frequency Range	Output Power (Max.)
Wi-Fi	2 412 - 2 462 MHz	< 30 dBm
Bluetooth	2 402 - 2 480 MHz	< 30 dBm

Induction heating mode

Cooking Element	Low frequency (Maximum power)	High frequency (Minimum power)
#1 Left Front Hob	30 kHz	65 kHz
#2 Left Rear Hob	30 kHz	65 kHz
#3 Center	30 kHz	65 kHz
#4 Right Hob	30 kHz	65 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.
WLAN module	LG Electronics Inc.	LCWB-001	S/N: -. FCC ID.: BEJ-LCWB001

3.3.3 Used Cable(s)

Cable Name	Condition	Description
Power cable	Connected to the EUT and AC power	1.80 m Unshielded.

3.3 Modification Item(s)

-. None



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 208V/ 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 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 hob

Cooking vessels

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

"4"= 300 mm

"3"=180 mm

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 C63.4 (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 C63.4 (2017).

5. Summary of Test Results

FCC Part Section(s)	Test Description	Test Result
§18.305	Field strength	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 9 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 200 Hz, 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.

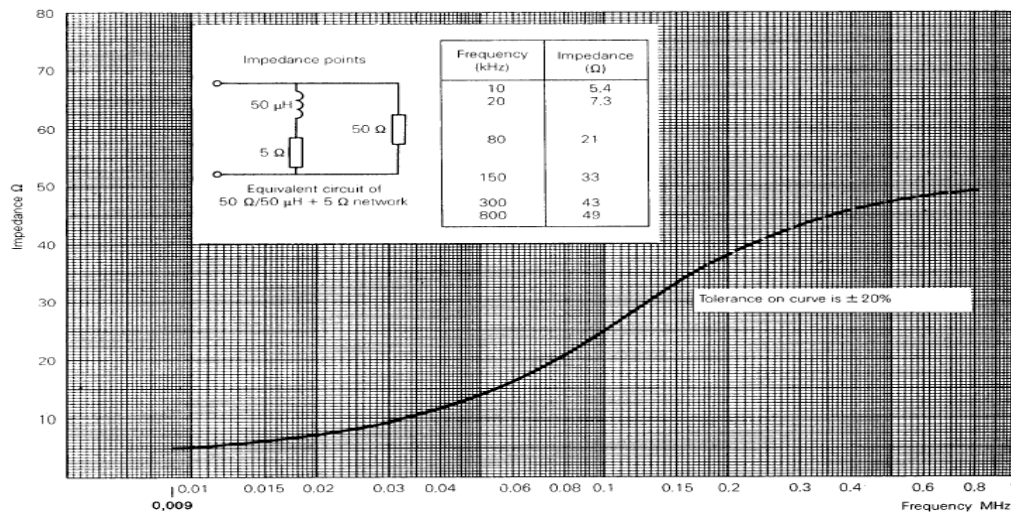


Fig 2. Impedance of LISN



6.1 Operating Environment

Temperature : 23.3 °C
Relative Humidity : 24.2 %
Air Pressure : 101.3 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)	3.83 dB	Confidence level of approximately 95 % ($k = 2$)
Conducted emission (150 kHz ~ 30 MHz)	3.44 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/m)	
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

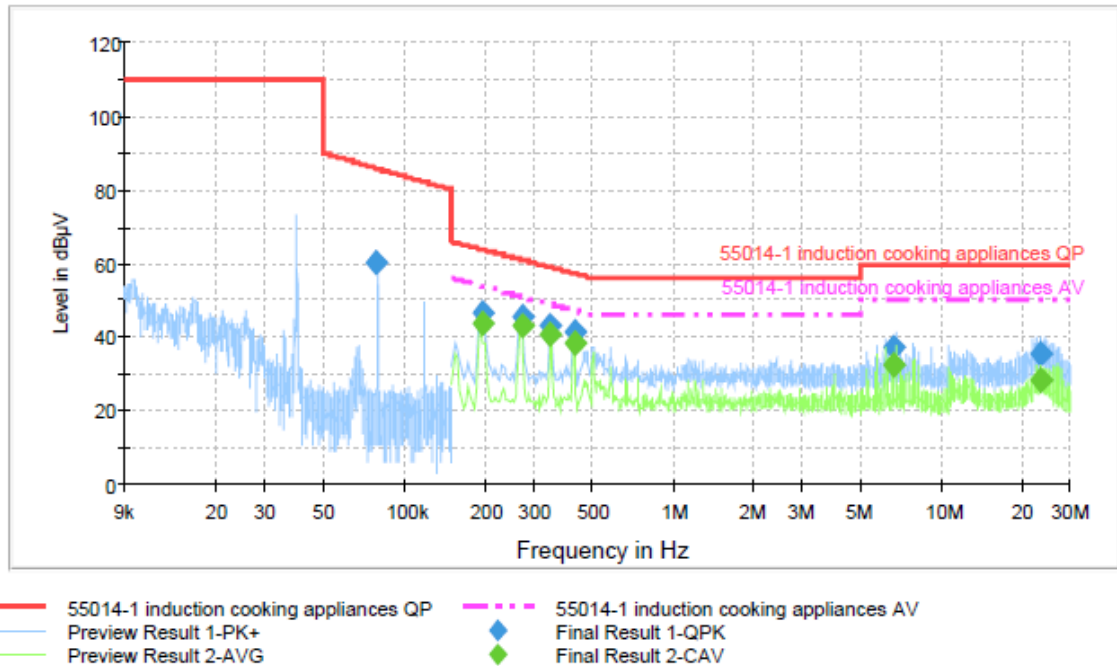
Model Name	Manufacturer	Description	Serial Number	Calibration Date
■ - ESCI	Rohde & Schwarz	EMI Test Receiver	100237	Apr. 03, 2025
□ - ENV216	Rohde & Schwarz	LISN	100173	Apr. 02, 2025
□ - ENV216	Rohde & Schwarz	LISN	100172	Apr. 02, 2025
■ - ESH2-Z5	Rohde & Schwarz	LISN	829991/009	Apr. 02, 2025
■ - VTSD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

6.6 Test data for Conducted Emission

- Test Date	: Apr. 08, 2025
- Resolution Bandwidth	: 200 Hz (9 kHz ~ 0.15 MHz) / 9 kHz (0.15 MHz ~ 30 MHz)
- Frequency Range	: 9 kHz ~ 30 MHz
- Line	: L1: Live, L2: Live
- Comment	: None



▪ Operating condition: Induction mode with WLAN
AC 208 V / 60 Hz
Cooking element #1



Final Result 1

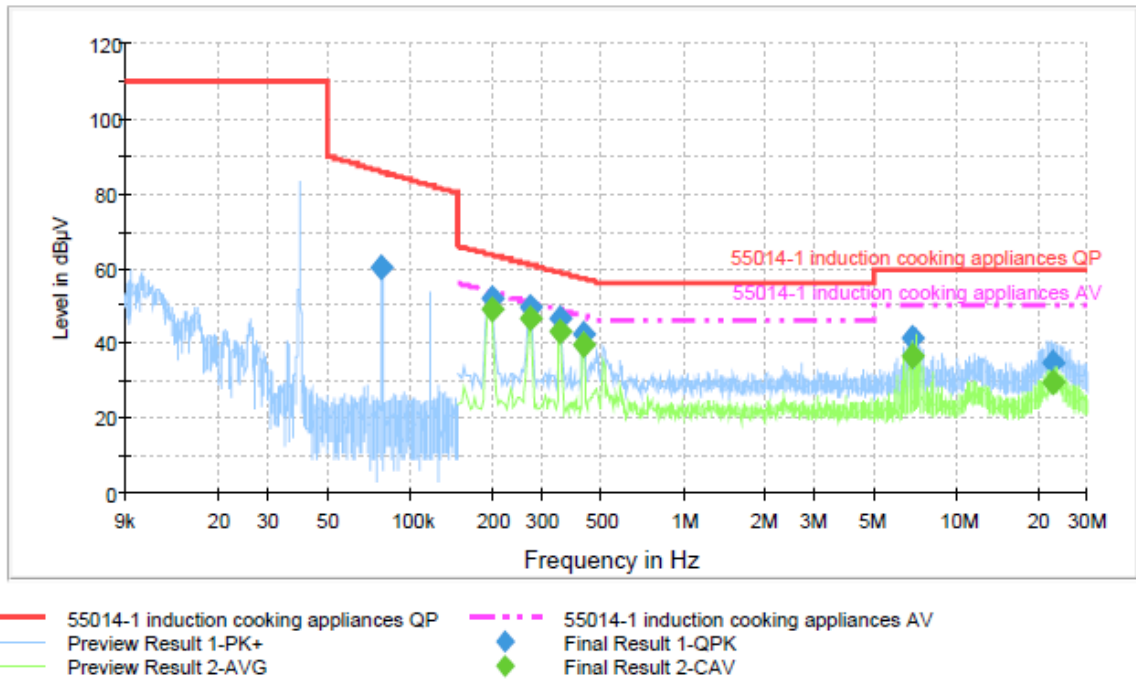
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.078402	60.4	1000.0	0.200	GND	L2	20.4	25.5	85.9	
0.194000	46.6	1000.0	9.000	GND	L2	20.4	17.3	63.9	
0.272400	45.6	1000.0	9.000	GND	L2	20.4	15.4	61.0	
0.348423	43.1	1000.0	9.000	GND	L2	20.4	15.9	59.0	
0.429112	41.6	1000.0	9.000	GND	L2	20.4	15.7	57.3	
6.680806	37.5	1000.0	9.000	GND	L2	20.5	22.5	60.0	
23.363256	35.6	1000.0	9.000	GND	L1	20.8	24.4	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.194000	43.8	1000.0	9.000	GND	L2	20.4	10.1	53.9	
0.272400	43.0	1000.0	9.000	GND	L2	20.4	8.0	51.0	
0.348423	40.9	1000.0	9.000	GND	L2	20.4	8.1	49.0	
0.429112	38.2	1000.0	9.000	GND	L2	20.4	9.1	47.3	
6.680806	32.5	1000.0	9.000	GND	L2	20.5	17.5	50.0	
23.363256	28.3	1000.0	9.000	GND	L1	20.8	21.7	50.0	



Cooking element #2



Final Result 1

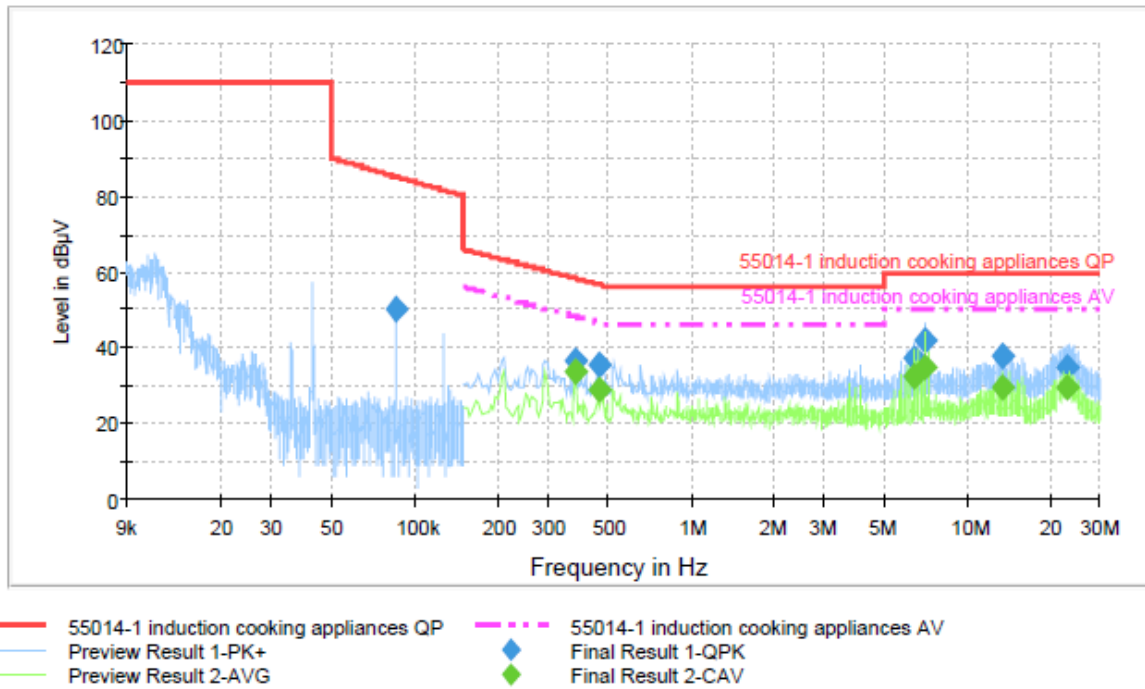
Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.078583	60.1	1000.0	0.200	GND	L1	20.5	25.8	85.9	
0.198000	52.2	1000.0	9.000	GND	L1	20.5	11.5	63.7	
0.276131	49.9	1000.0	9.000	GND	L1	20.5	11.0	60.9	
0.354488	46.8	1000.0	9.000	GND	L1	20.5	12.1	58.9	
0.432844	42.9	1000.0	9.000	GND	L1	20.5	14.3	57.2	
6.847400	41.6	1000.0	9.000	GND	L2	20.5	18.4	60.0	
22.318775	35.1	1000.0	9.000	GND	L1	20.8	24.9	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
0.198000	48.8	1000.0	9.000	GND	L1	20.5	4.9	53.7	
0.276131	46.4	1000.0	9.000	GND	L1	20.5	4.5	50.9	
0.354488	43.2	1000.0	9.000	GND	L1	20.5	5.6	48.9	
0.432844	39.5	1000.0	9.000	GND	L1	20.5	7.7	47.2	
6.847400	36.7	1000.0	9.000	GND	L2	20.5	13.3	50.0	
22.318775	29.5	1000.0	9.000	GND	L1	20.8	20.5	50.0	



Cooking element #3



Final Result 1

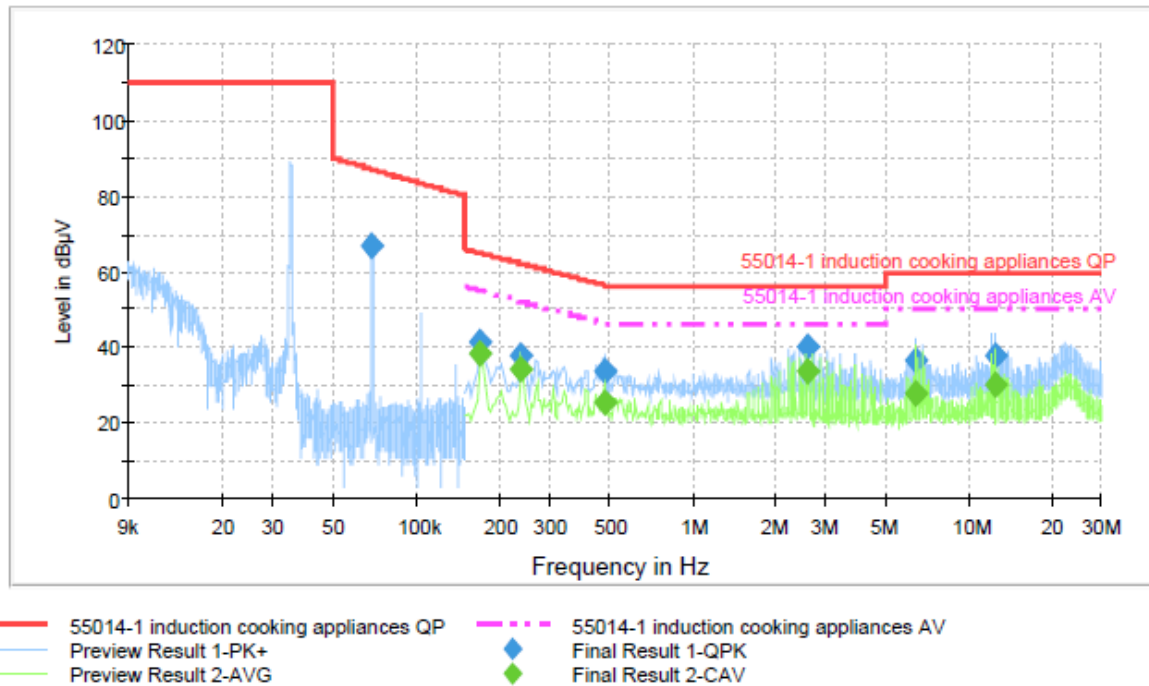
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.084714	50.0	1000.0	0.200	GND	L1	20.5	35.2	85.2	
0.380606	36.5	1000.0	9.000	GND	L1	20.5	21.8	58.3	
0.461350	35.6	1000.0	9.000	GND	L1	20.5	21.1	56.7	
6.400069	37.5	1000.0	9.000	GND	L2	20.5	22.5	60.0	
6.959338	42.0	1000.0	9.000	GND	L2	20.5	18.0	60.0	
13.312581	37.7	1000.0	9.000	GND	L2	20.6	22.3	60.0	
22.876819	35.0	1000.0	9.000	GND	L1	20.8	25.0	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.380606	33.9	1000.0	9.000	GND	L1	20.5	14.4	48.3	
0.461350	28.9	1000.0	9.000	GND	L1	20.5	17.8	46.7	
6.400069	32.8	1000.0	9.000	GND	L2	20.5	17.2	50.0	
6.959338	34.8	1000.0	9.000	GND	L2	20.5	15.2	50.0	
13.312581	29.4	1000.0	9.000	GND	L2	20.6	20.6	50.0	
22.876819	29.3	1000.0	9.000	GND	L1	20.8	20.7	50.0	



Cooking element #4



Final Result 1

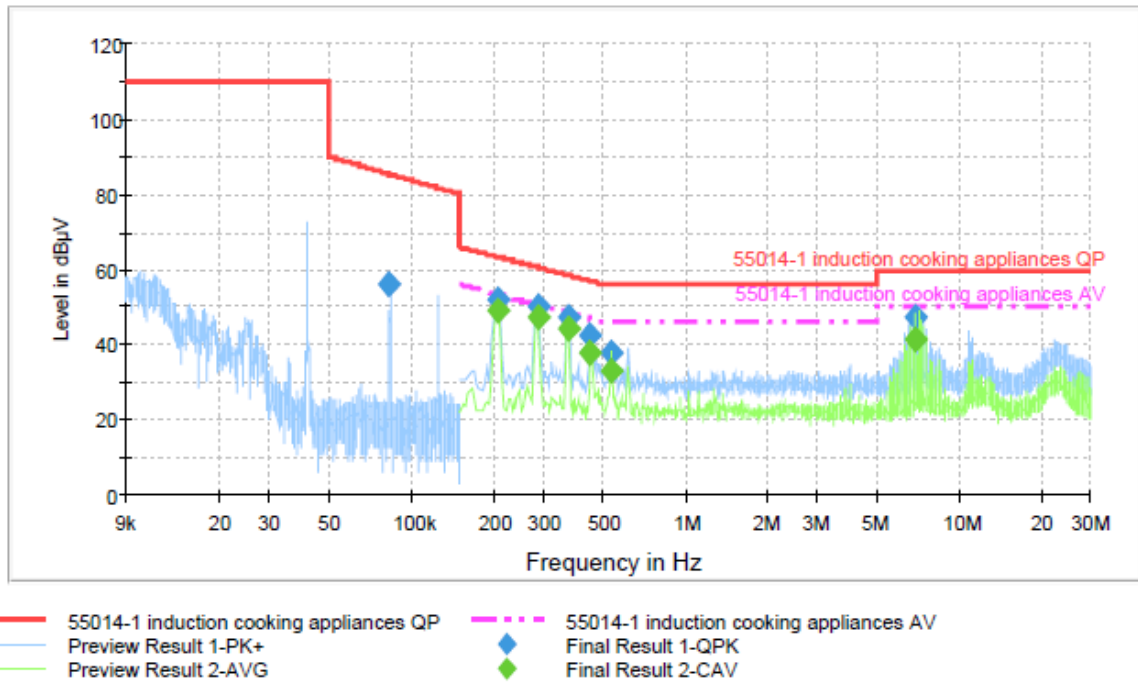
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.069171	66.9	1000.0	0.200	GND	L1	20.5	20.2	87.0	
0.170000	41.6	1000.0	9.000	GND	L1	20.5	23.4	65.0	
0.238281	38.1	1000.0	9.000	GND	L1	20.5	24.1	62.2	
0.481888	33.8	1000.0	9.000	GND	L1	20.5	22.5	56.3	
2.587925	40.0	1000.0	9.000	GND	L1	20.6	16.0	56.0	
6.330875	36.9	1000.0	9.000	GND	L1	20.6	23.1	60.0	
12.382456	38.0	1000.0	9.000	GND	L2	20.6	22.0	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.170000	38.7	1000.0	9.000	GND	L1	20.5	16.3	55.0	
0.238281	34.3	1000.0	9.000	GND	L1	20.5	17.9	52.2	
0.481888	25.6	1000.0	9.000	GND	L1	20.5	20.7	46.3	
2.587925	34.0	1000.0	9.000	GND	L1	20.6	12.0	46.0	
6.330875	27.9	1000.0	9.000	GND	L1	20.6	22.1	50.0	
12.382456	30.0	1000.0	9.000	GND	L2	20.6	20.0	50.0	



AC 240 V / 60 Hz
Cooking element #1



Final Result 1

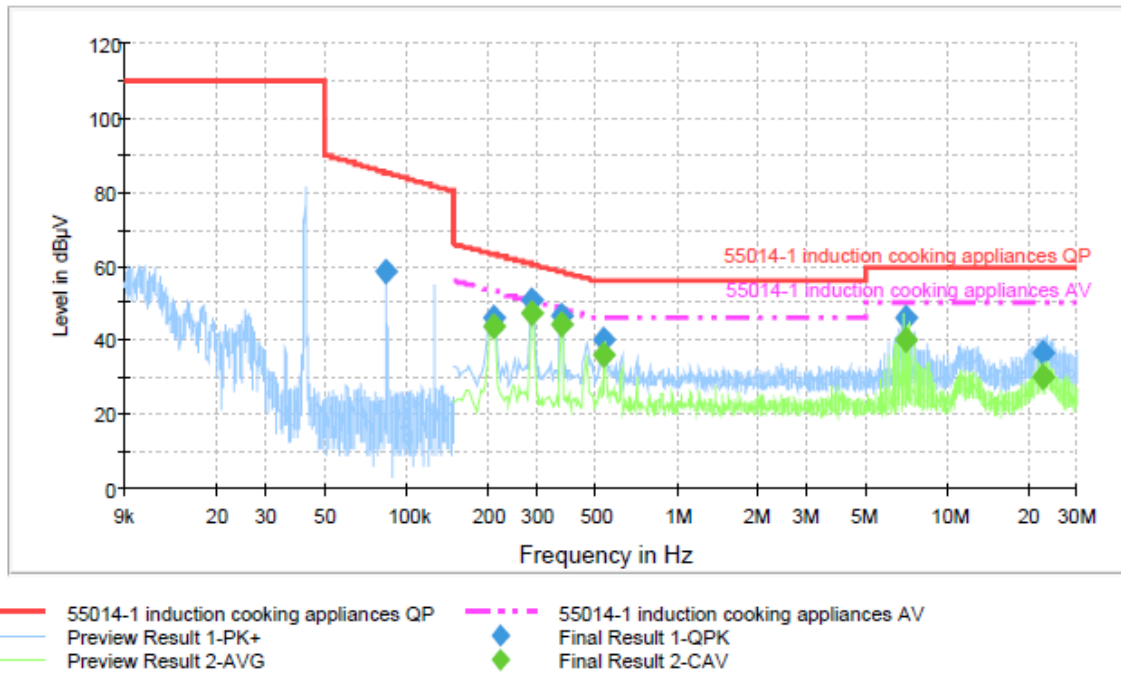
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.082641	56.0	1000.0	0.200	GND	L2	20.4	29.4	85.4	
0.204700	51.9	1000.0	9.000	GND	L2	20.4	11.5	63.4	
0.287056	50.5	1000.0	9.000	GND	L1	20.5	10.1	60.6	
0.369412	47.2	1000.0	9.000	GND	L1	20.5	11.3	58.5	
0.447500	42.6	1000.0	9.000	GND	L2	20.4	14.3	56.9	
0.533319	37.6	1000.0	9.000	GND	L2	20.4	18.4	56.0	
6.855400	47.2	1000.0	9.000	GND	L2	20.5	12.8	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.204700	48.9	1000.0	9.000	GND	L2	20.4	4.5	53.4	
0.287056	47.3	1000.0	9.000	GND	L1	20.5	3.3	50.6	
0.369412	44.4	1000.0	9.000	GND	L1	20.5	4.1	48.5	
0.447500	37.9	1000.0	9.000	GND	L2	20.4	9.0	46.9	
0.533319	33.3	1000.0	9.000	GND	L2	20.4	12.7	46.0	
6.855400	41.4	1000.0	9.000	GND	L2	20.5	8.6	50.0	



Cooking element #2



Final Result 1

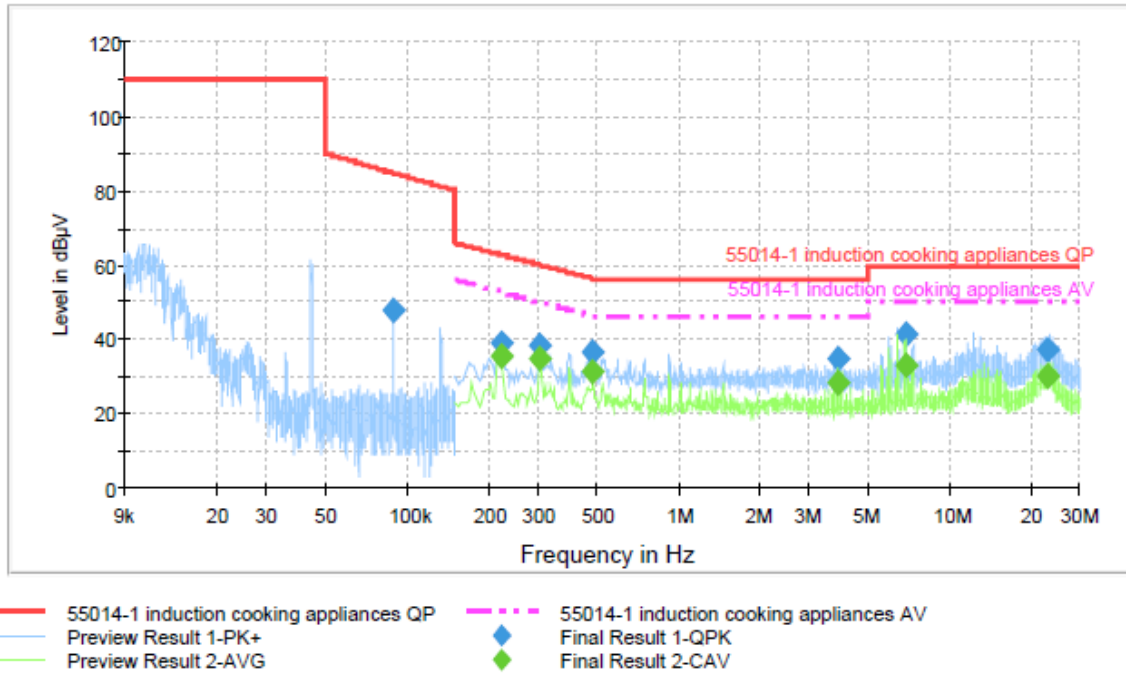
Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.083716	58.7	1000.0	0.200	GND	L1	20.5	26.6	85.3	
0.208700	46.3	1000.0	9.000	GND	L2	20.4	17.0	63.3	
0.290788	50.7	1000.0	9.000	GND	L1	20.5	9.8	60.5	
0.372875	46.9	1000.0	9.000	GND	L1	20.5	11.5	58.4	
0.536781	40.2	1000.0	9.000	GND	L1	20.5	15.8	56.0	
6.949488	46.0	1000.0	9.000	GND	L2	20.5	14.0	60.0	
22.415788	36.5	1000.0	9.000	GND	L1	20.8	23.5	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
0.208700	43.6	1000.0	9.000	GND	L2	20.4	9.7	53.3	
0.290788	47.3	1000.0	9.000	GND	L1	20.5	3.2	50.5	
0.372875	44.2	1000.0	9.000	GND	L1	20.5	4.2	48.4	
0.536781	36.1	1000.0	9.000	GND	L1	20.5	9.9	46.0	
6.949488	40.5	1000.0	9.000	GND	L2	20.5	9.5	50.0	
22.415788	30.3	1000.0	9.000	GND	L1	20.8	19.7	50.0	



Cooking element #3



Final Result 1

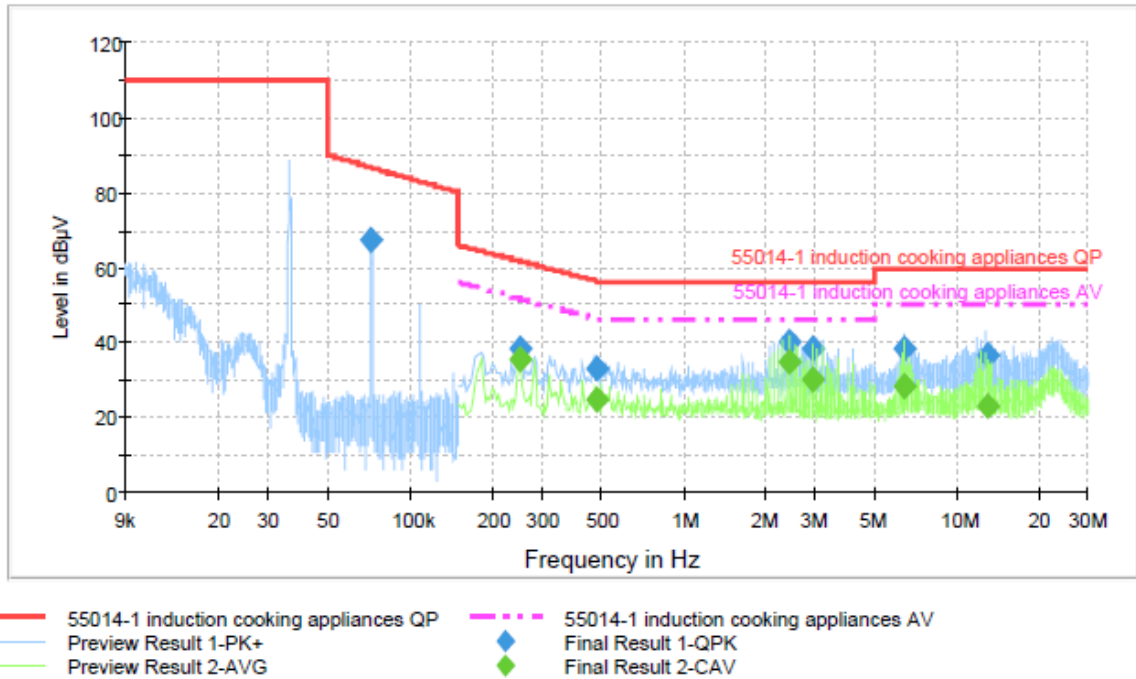
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.088328	48.1	1000.0	0.200	GND	L1	20.5	36.7	84.8	
0.220162	39.2	1000.0	9.000	GND	L2	20.4	23.6	62.8	
0.305712	38.3	1000.0	9.000	GND	L1	20.5	21.8	60.1	
0.481081	36.6	1000.0	9.000	GND	L1	20.5	19.7	56.3	
3.852519	34.8	1000.0	9.000	GND	L1	20.6	21.2	56.0	
6.912712	41.4	1000.0	9.000	GND	L2	20.5	18.6	60.0	
22.891238	37.3	1000.0	9.000	GND	L1	20.8	22.7	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.220162	35.3	1000.0	9.000	GND	L2	20.4	17.6	52.8	
0.305712	34.6	1000.0	9.000	GND	L1	20.5	15.5	50.1	
0.481081	31.2	1000.0	9.000	GND	L1	20.5	15.1	46.3	
3.852519	28.4	1000.0	9.000	GND	L1	20.6	17.6	46.0	
6.912712	32.9	1000.0	9.000	GND	L2	20.5	17.1	50.0	
22.891238	30.0	1000.0	9.000	GND	L1	20.8	20.0	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
0.071583	67.3	1000.0	0.200	GND	L1	20.5	19.4	86.7	
0.249744	38.7	1000.0	9.000	GND	L1	20.5	23.2	61.8	
0.481619	33.2	1000.0	9.000	GND	L2	20.4	23.1	56.3	
2.432525	40.2	1000.0	9.000	GND	L2	20.5	15.8	56.0	
2.933050	38.4	1000.0	9.000	GND	L2	20.5	17.6	56.0	
6.440156	38.3	1000.0	9.000	GND	L2	20.5	21.7	60.0	
12.773044	36.7	1000.0	9.000	GND	L2	20.6	23.3	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.249744	35.2	1000.0	9.000	GND	L1	20.5	16.6	51.8	
0.481619	25.0	1000.0	9.000	GND	L2	20.4	21.3	46.3	
2.432525	35.0	1000.0	9.000	GND	L2	20.5	11.0	46.0	
2.933050	30.2	1000.0	9.000	GND	L2	20.5	15.8	46.0	
6.440156	28.1	1000.0	9.000	GND	L2	20.5	21.9	50.0	
12.773044	23.1	1000.0	9.000	GND	L2	20.6	26.9	50.0	



7. Radiated Emission

7.1 Operating Environment

Temperature : 23.5 °C
Relative Humidity : 51.2 %
Air Pressure : 101.1 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.

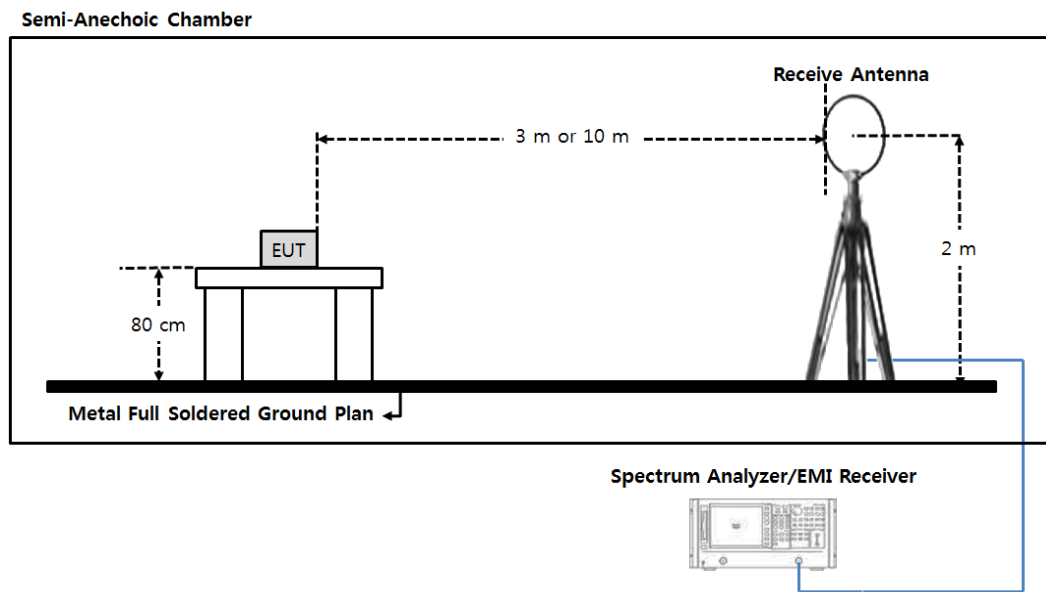


Fig 3. Configurations of Radiated emission test (9 kHz to 30 MHz)

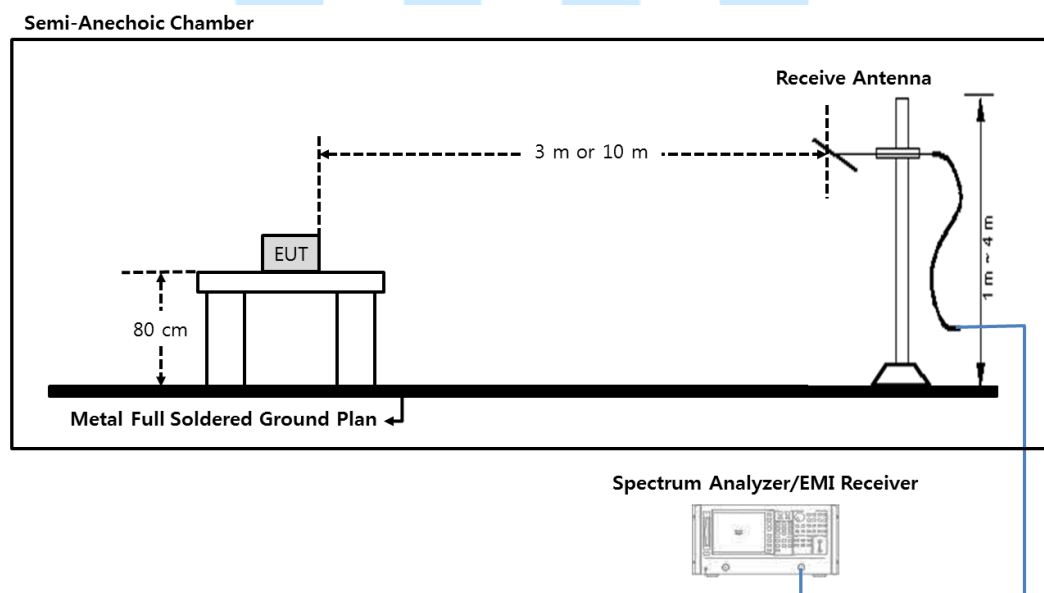


Fig 4. Configurations of Radiated emission test (30 MHz to 40 000 MHz)



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)	4.64 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)	4.89 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
■ - Low Noise Amplifier	TK-PA06S	TESTEK	170038-L	Apr. 02, 2025
■ - Broadband Test Antenna	VULB9160	Schwarzbeck	3193	Nov. 08, 2024
■ - EMC 32	Rohde & Schwarz	Software	Ver.10.60.20	N/A
■ - EMI TestReceiver	ESW44	Rohde & Schwarz	103354	Apr. 02, 2025
■ - Position Controller	MCU066	MATURO GmbH	1390306	N/A
■ - Turntable	TT2.5SI	MATURO GmbH	1390307	N/A
■ - Position Controller	CO3000	Innco system GmbH	CO3000/1084/42 760218/P	N/A
■ - DOUBLE-RIDGED WAVEGUIDE HORN ANTENNA	HF907	Rohde & Schwarz	100538	Feb. 05, 2025
■ - Low Noise Amplifier	TK-PA18H	TESTEK	220107-L	Apr. 02, 2025
■ - Antenna Mast	MA4640-XP-ET	HD GmbH	MA4640/558	N/A
■ - Amplifier	TK-PA1840H	TESTEK	170007-L	Apr. 08, 2025
■ - Horn Antenna	BBHA 9170	Schwarzbeck	766	Apr. 08, 2025
■ - EMC 32	Rohde & Schwarz	Software	Ver.10.60.20	N/A

All test equipment used is calibrated on a regular basis.

7.6 Test data for Radiated Emission

- . Test Date : Apr. 07, 2025 ~ Apr. 12, 2025
-. Measurement Distance : 10 m
-. Note : frequency range to be scanned up to 30 MHz, because the frequency band in which the EUT operates less than 1.705 MHz

-. Measurement setting

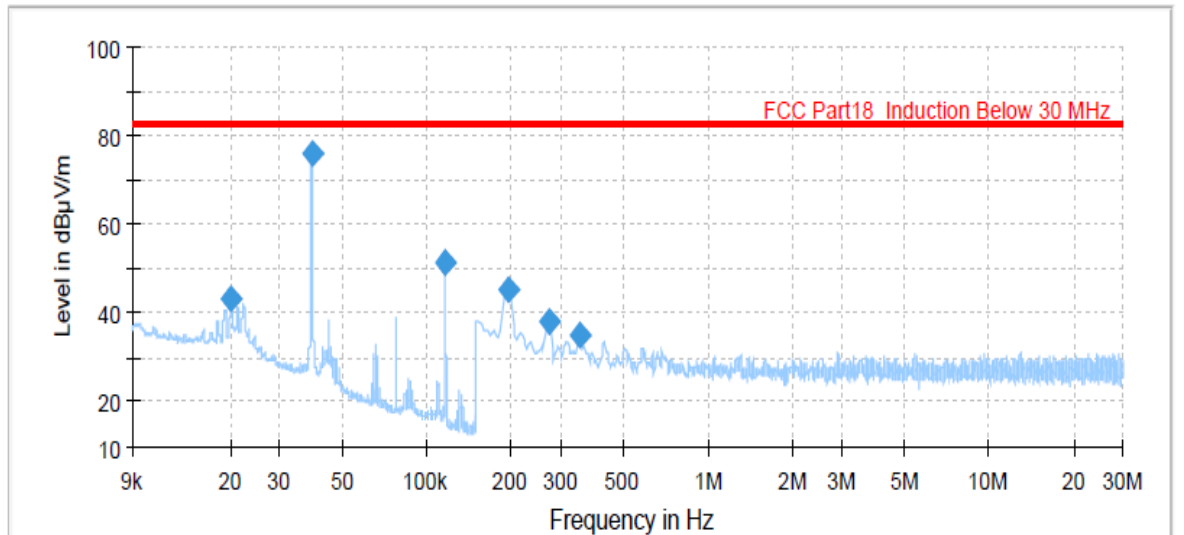
Frequency range	9 kHz ~ 150 kHz	0.15 MHz ~ 30 MHz
Detector mode	Average	Average
Resolution bandwidth	200 Hz	9 kHz

Frequency range	30 MHz ~ 1 GHz	1 GHz ~ 40 GHz
Detector mode	Average	Average
Resolution bandwidth	1 MHz	1 MHz



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

Cooking Element #1_H



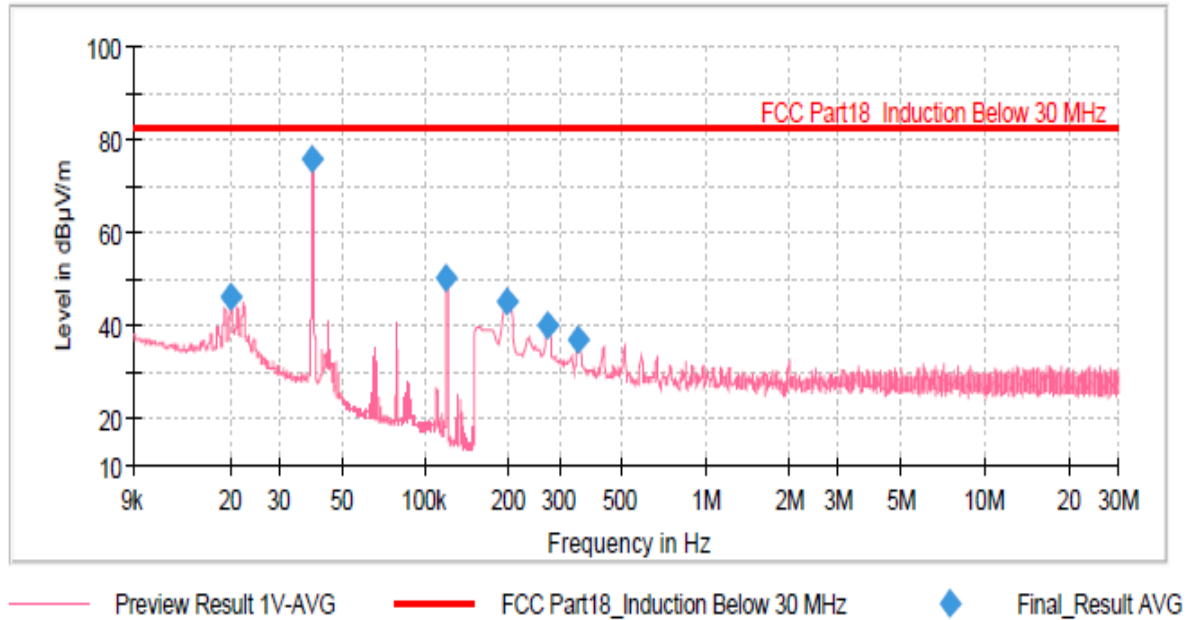
— Preview Result 1H-AVG — FCC Part18_Induction Below 30 MHz ◆ Final_Result AVG

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020137	43.22	82.60	39.38	1000.0	0.200	H	0.0	20.3
0.039017	75.73	82.60	6.87	1000.0	0.200	H	116.0	20.1
0.117121	51.43	82.60	31.17	1000.0	0.200	H	116.0	20.0
0.194000	45.27	82.60	37.33	1000.0	9.000	H	95.0	20.0
0.271385	38.20	82.60	44.40	1000.0	9.000	H	95.0	20.0
0.352995	35.16	82.60	47.44	1000.0	9.000	H	95.0	20.0



Cooking Element #1_V

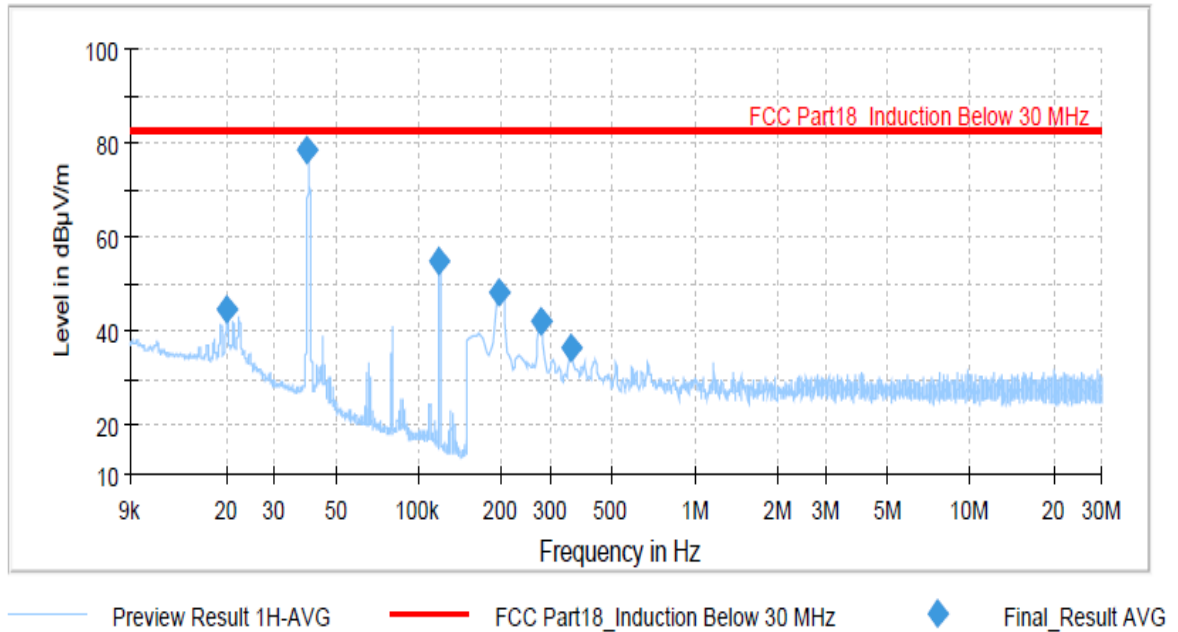


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020104	46.51	82.60	36.09	1000.0	0.200	V	254.0	20.3
0.038988	76.04	82.60	6.56	1000.0	0.200	V	42.0	20.1
0.117994	50.48	82.60	32.12	1000.0	0.200	V	42.0	20.0
0.196760	45.25	82.60	37.35	1000.0	9.000	V	27.0	20.0
0.274370	39.99	82.60	42.61	1000.0	9.000	V	359.0	20.0
0.351980	37.10	82.60	45.50	1000.0	9.000	V	324.0	20.0



Cooking Element #2_H

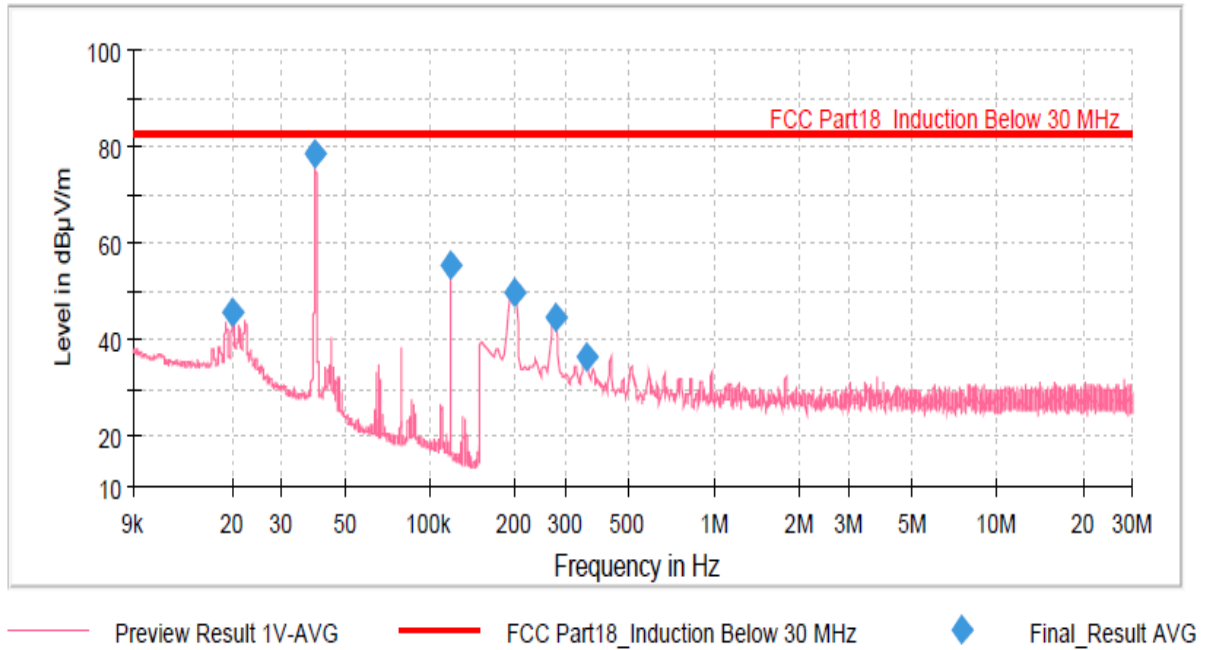


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020151	44.94	82.60	37.66	1000.0	0.200	H	0.0	20.3
0.039486	78.49	82.60	4.11	1000.0	0.200	H	16.0	20.1
0.118925	55.10	82.60	27.50	1000.0	0.200	H	0.0	20.0
0.196760	48.59	82.60	34.01	1000.0	9.000	H	173.0	20.0
0.278370	42.16	82.60	40.44	1000.0	9.000	H	3.0	20.0
0.354965	36.54	82.60	46.06	1000.0	9.000	H	3.0	20.0



Cooking Element #2_V

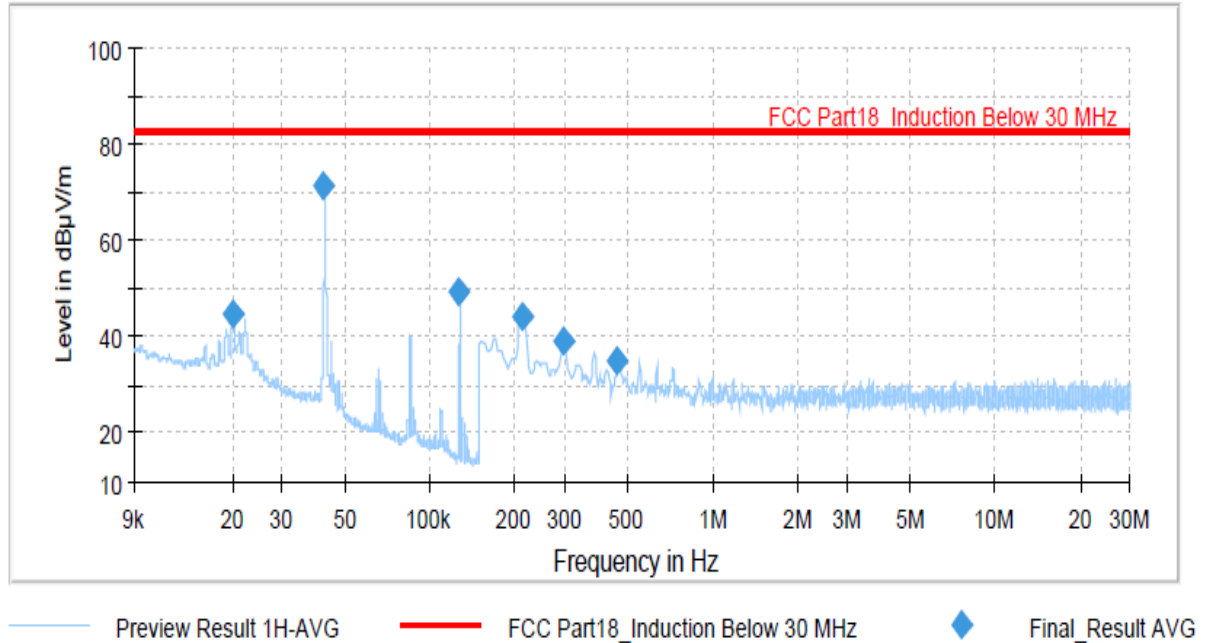


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020141	45.97	82.60	36.63	1000.0	0.200	V	355.0	20.3
0.039454	78.43	82.60	4.17	1000.0	0.200	V	86.0	20.1
0.118513	55.55	82.60	27.05	1000.0	0.200	V	86.0	20.0
0.198000	49.70	82.60	32.90	1000.0	9.000	V	75.0	20.0
0.275385	44.66	82.60	37.94	1000.0	9.000	V	106.0	20.0
0.355980	36.76	82.60	45.84	1000.0	9.000	V	75.0	20.0



Cooking Element #3_H

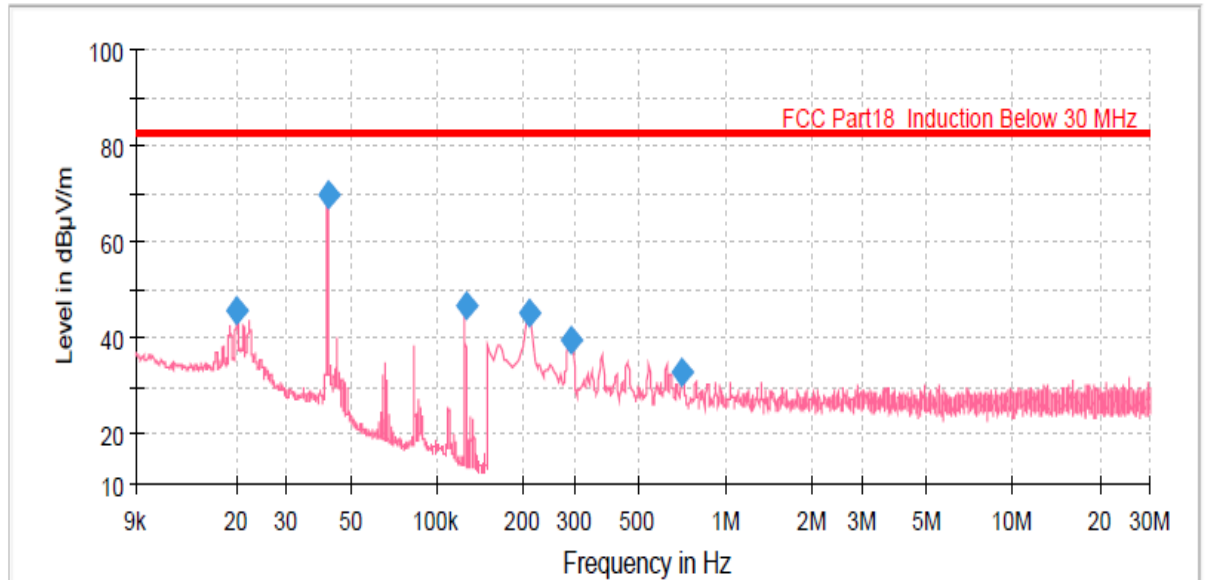


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020061	44.55	82.60	38.05	1000.0	0.200	H	309.0	20.3
0.042268	71.50	82.60	11.10	1000.0	0.200	H	130.0	20.1
0.126948	49.13	82.60	33.47	1000.0	0.200	H	144.0	20.0
0.212685	44.24	82.60	38.36	1000.0	9.000	H	182.0	20.0
0.295265	39.28	82.60	43.32	1000.0	9.000	H	170.0	20.0
0.461410	34.99	82.60	47.61	1000.0	9.000	H	170.0	20.0



Cooking Element #3_V



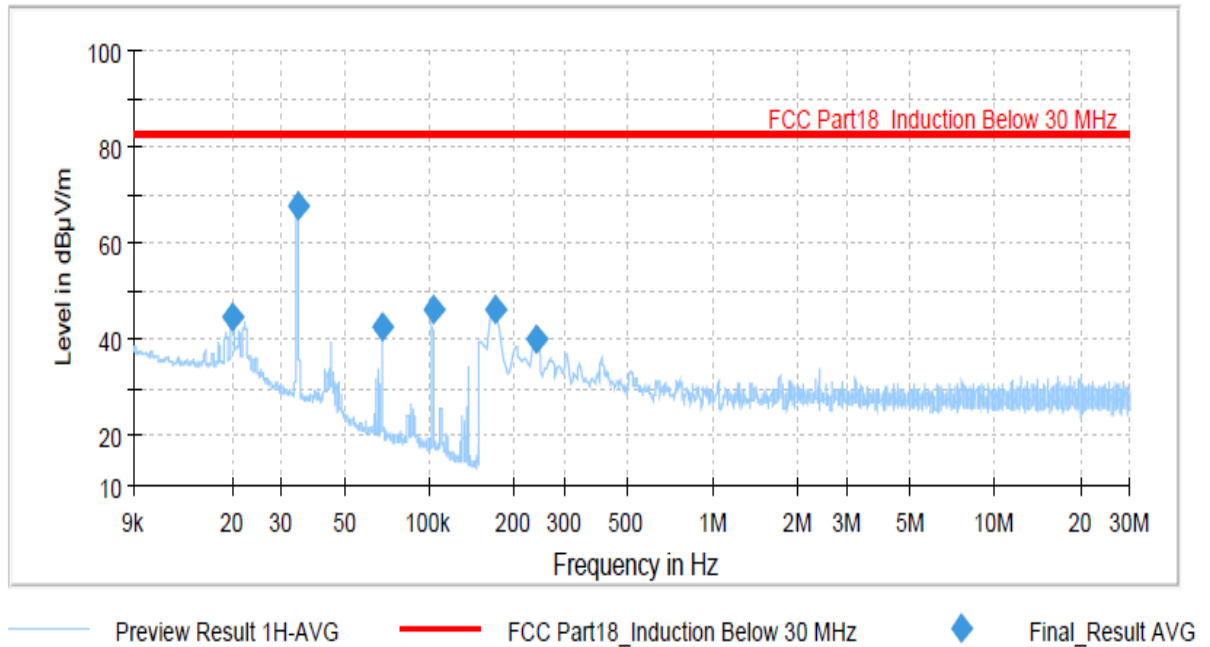
Preview Result 1V-AVG FCC Part18_Induction Below 30 MHz Final_Result AVG

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020075	45.98	82.60	36.62	1000.0	0.200	V	94.0	20.3
0.041818	69.63	82.60	12.97	1000.0	0.200	V	241.0	20.1
0.125394	46.59	82.60	36.01	1000.0	0.200	V	78.0	20.0
0.209715	45.20	82.60	37.40	1000.0	9.000	V	41.0	20.0
0.293295	39.46	82.60	43.14	1000.0	9.000	V	78.0	20.0
0.711195	32.82	82.60	49.78	1000.0	9.000	V	94.0	20.1



Cooking Element #4_H

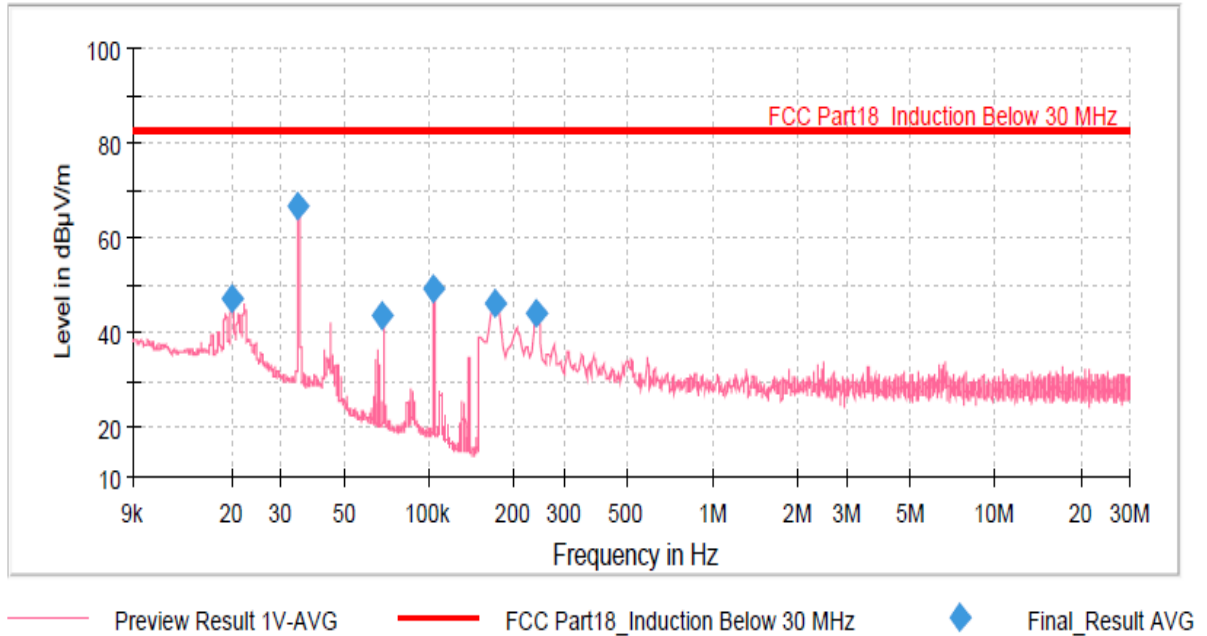


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020170	44.69	82.60	37.91	1000.0	0.200	H	307.0	20.3
0.034166	67.55	82.60	15.05	1000.0	0.200	H	160.0	20.1
0.068434	42.85	82.60	39.75	1000.0	0.200	H	211.0	20.0
0.102636	46.09	82.60	36.51	1000.0	0.200	H	200.0	20.0
0.170000	46.37	82.60	36.23	1000.0	9.000	H	217.0	20.0
0.239565	40.38	82.60	42.22	1000.0	9.000	H	175.0	20.0



Cooking Element #4_V



Final Result

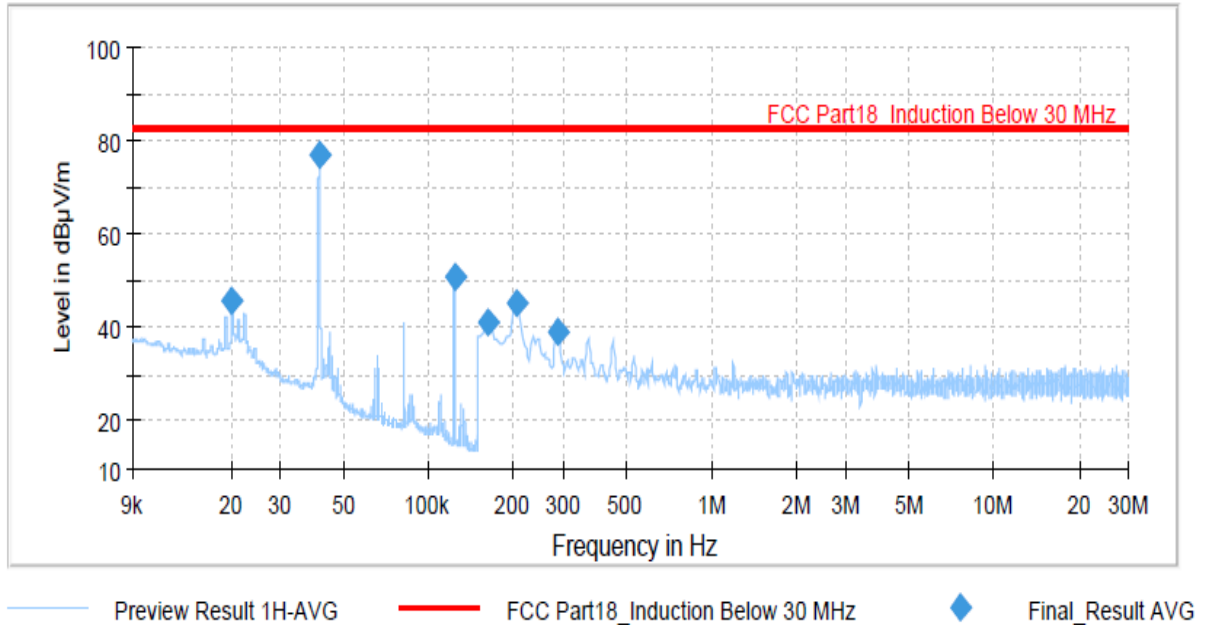
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020075	47.28	82.60	35.32	1000.0	0.200	V	38.0	20.3
0.034198	66.90	82.60	15.70	1000.0	0.200	V	109.0	20.1
0.068433	43.69	82.60	38.91	1000.0	0.200	V	156.0	20.0
0.103147	49.45	82.60	33.15	1000.0	0.200	V	129.0	20.0
0.170000	46.42	82.60	36.18	1000.0	9.000	V	109.0	20.0
0.238550	44.10	82.60	38.50	1000.0	9.000	V	109.0	20.0



9 kHz ~ 30 MHz

[AC 240V, 60 Hz]

Cooking Element #1_H

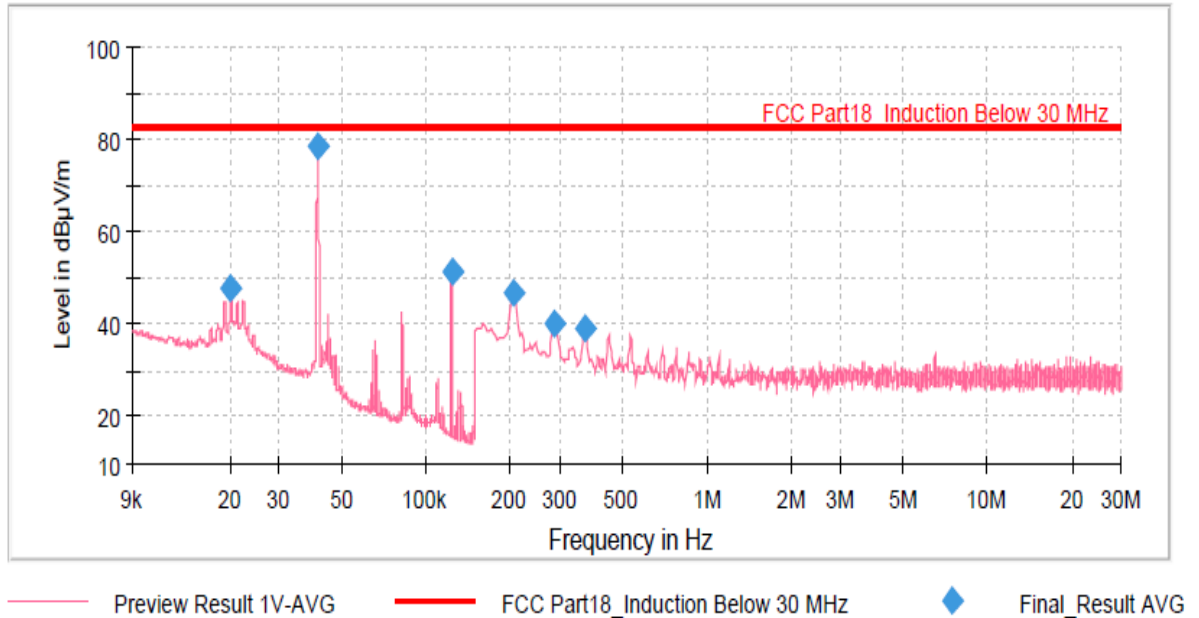


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020174	45.61	82.60	36.99	1000.0	0.200	H	210.0	20.3
0.041118	76.92	82.60	5.68	1000.0	0.200	H	104.0	20.1
0.123382	51.15	82.60	31.45	1000.0	0.200	H	89.0	20.0
0.161940	41.39	82.60	41.21	1000.0	9.000	H	50.0	20.0
0.206730	45.29	82.60	37.31	1000.0	9.000	H	128.0	20.0
0.287325	39.25	82.60	43.35	1000.0	9.000	H	89.0	20.0



Cooking Element #1_V

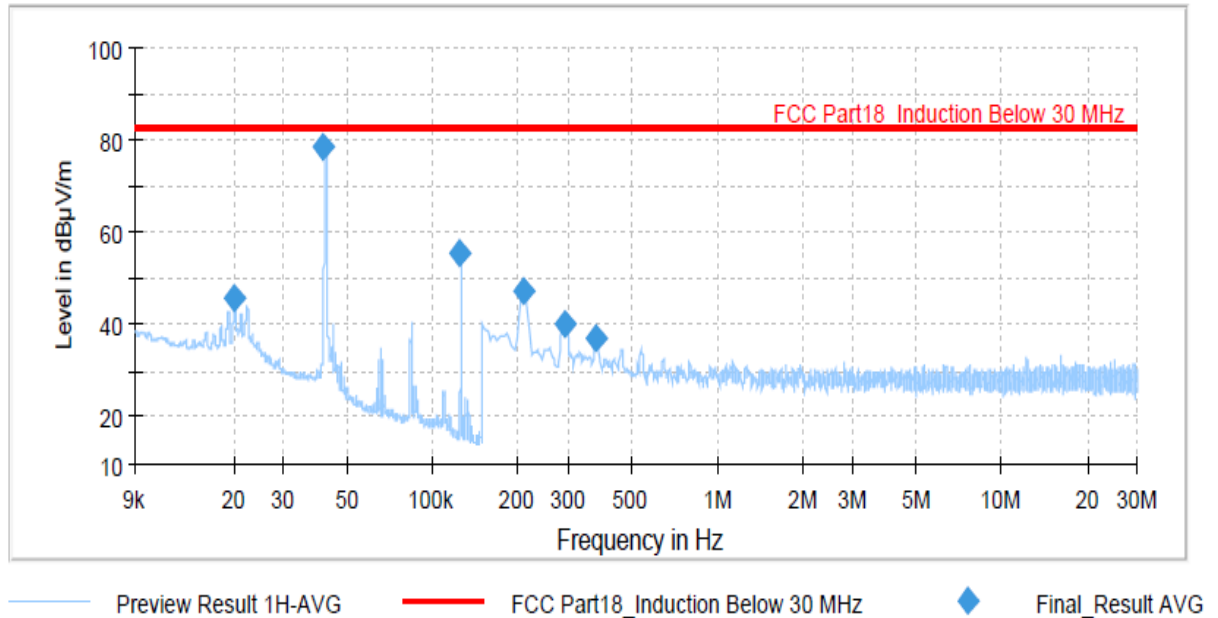


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020198	47.79	82.60	34.81	1000.0	0.200	V	14.0	20.3
0.041188	78.31	82.60	4.29	1000.0	0.200	V	40.0	20.1
0.123598	51.25	82.60	31.35	1000.0	0.200	V	46.0	20.0
0.206730	46.76	82.60	35.84	1000.0	9.000	V	0.0	20.0
0.286310	40.28	82.60	42.32	1000.0	9.000	V	0.0	20.0
0.370905	39.21	82.60	43.39	1000.0	9.000	V	106.0	20.0



Cooking Element #2_H

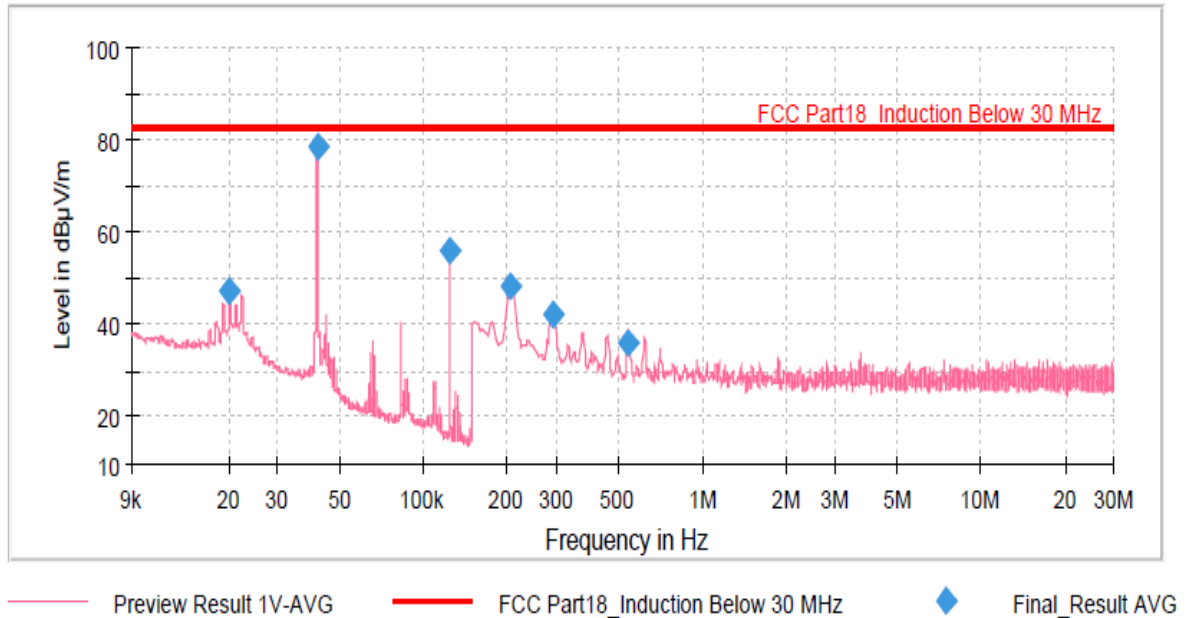


Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020118	45.82	82.60	36.78	1000.0	0.200	H	62.0	20.3
0.041573	78.31	82.60	4.29	1000.0	0.200	H	32.0	20.1
0.124804	55.53	82.60	27.07	1000.0	0.200	H	0.0	20.0
0.209700	47.17	82.60	35.43	1000.0	9.000	H	344.0	20.0
0.293295	40.03	82.60	42.57	1000.0	9.000	H	128.0	20.0
0.375860	37.24	82.60	45.36	1000.0	9.000	H	88.0	20.0



Cooking Element #2_V

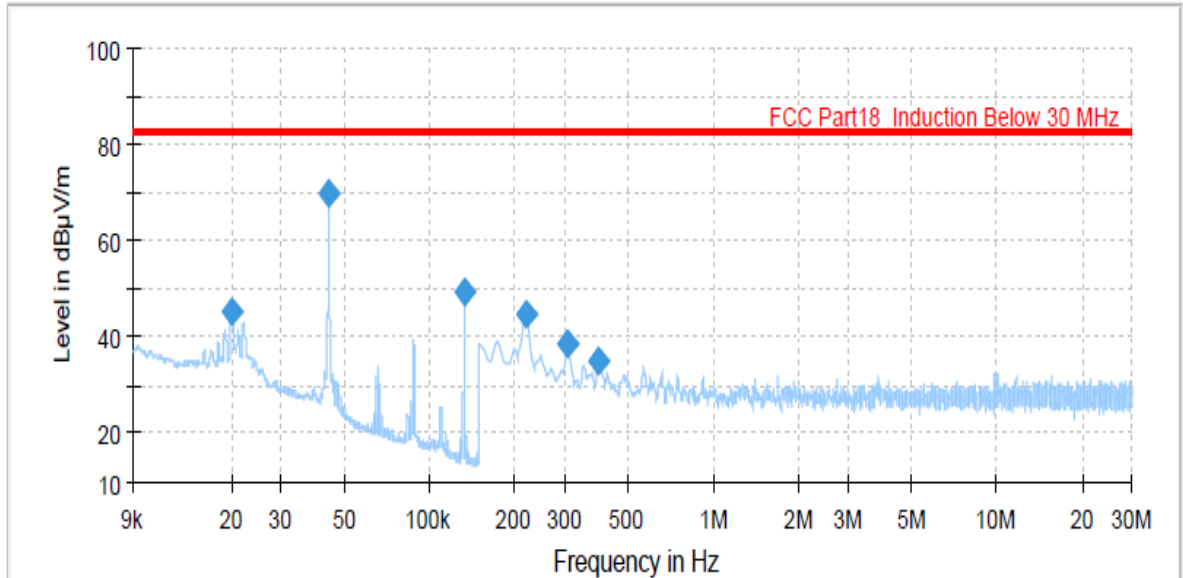


Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020000	47.45	82.60	35.15	1000.0	0.200	V	10.0	20.3
0.041705	78.54	82.60	4.06	1000.0	0.200	V	93.0	20.1
0.125135	56.01	82.60	26.59	1000.0	0.200	V	93.0	20.0
0.206715	48.50	82.60	34.10	1000.0	9.000	V	252.0	20.0
0.293295	42.26	82.60	40.34	1000.0	9.000	V	219.0	20.0
0.540035	35.98	82.60	46.62	1000.0	9.000	V	83.0	20.0



Cooking Element #3_H



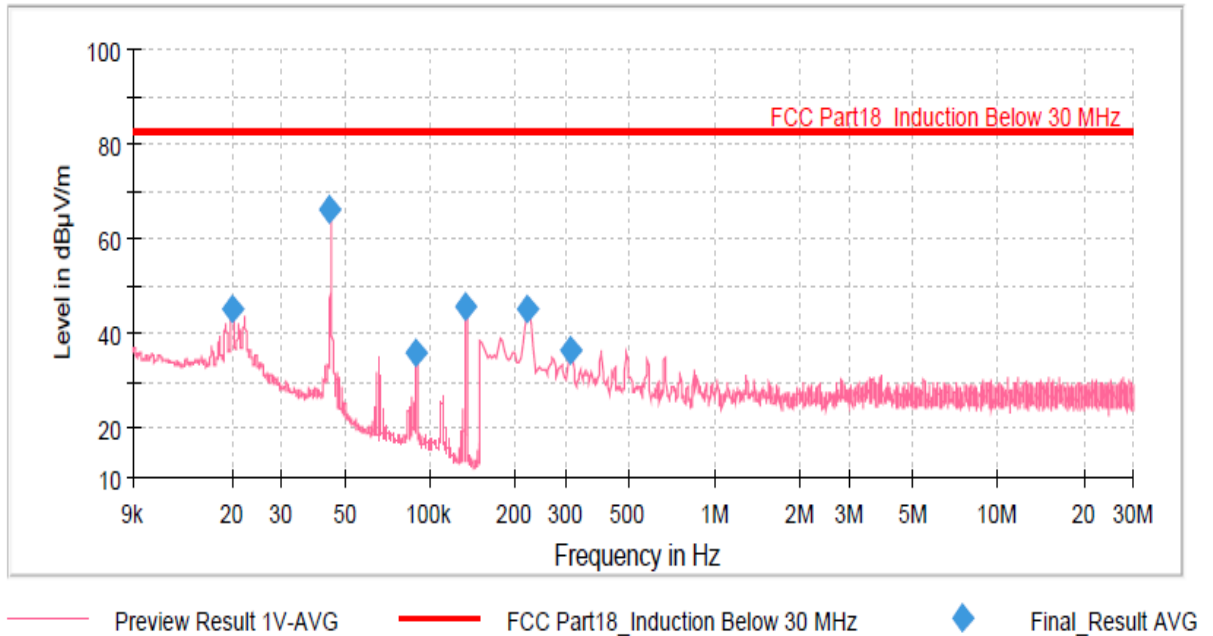
— Preview Result 1H-AVG — FCC Part18_Induction Below 30 MHz ◆ Final_Result AVG

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020090	45.25	82.60	37.35	1000.0	0.200	H	0.0	20.3
0.044041	70.05	82.60	12.55	1000.0	0.200	H	138.0	20.1
0.132208	49.33	82.60	33.27	1000.0	0.200	H	110.0	20.0
0.218655	44.82	82.60	37.78	1000.0	9.000	H	313.0	20.0
0.308205	38.65	82.60	43.95	1000.0	9.000	H	290.0	20.0
0.394770	34.81	82.60	47.79	1000.0	9.000	H	105.0	20.0



Cooking Element #3_V

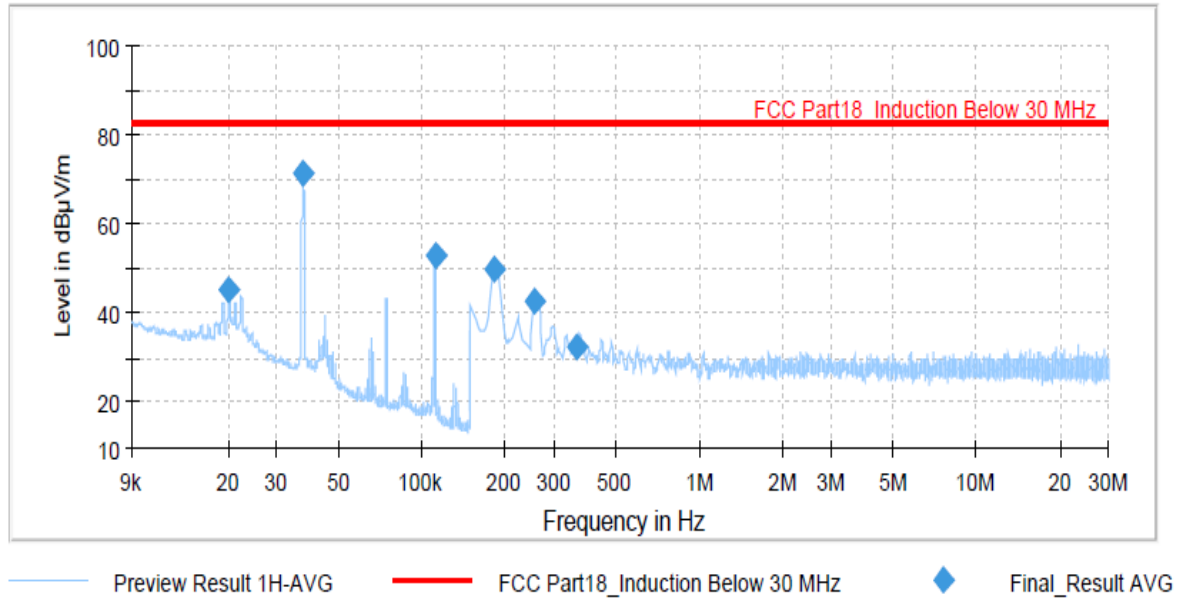


Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020066	45.44	82.60	37.16	1000.0	0.200	V	0.0	20.3
0.044040	66.27	82.60	16.33	1000.0	0.200	V	46.0	20.1
0.089156	36.24	82.60	46.36	1000.0	0.200	V	171.0	20.0
0.133951	45.55	82.60	37.05	1000.0	0.200	V	30.0	20.0
0.220640	45.19	82.60	37.41	1000.0	9.000	V	197.0	20.0
0.311190	36.62	82.60	45.98	1000.0	9.000	V	260.0	20.0



Cooking Element #4_H

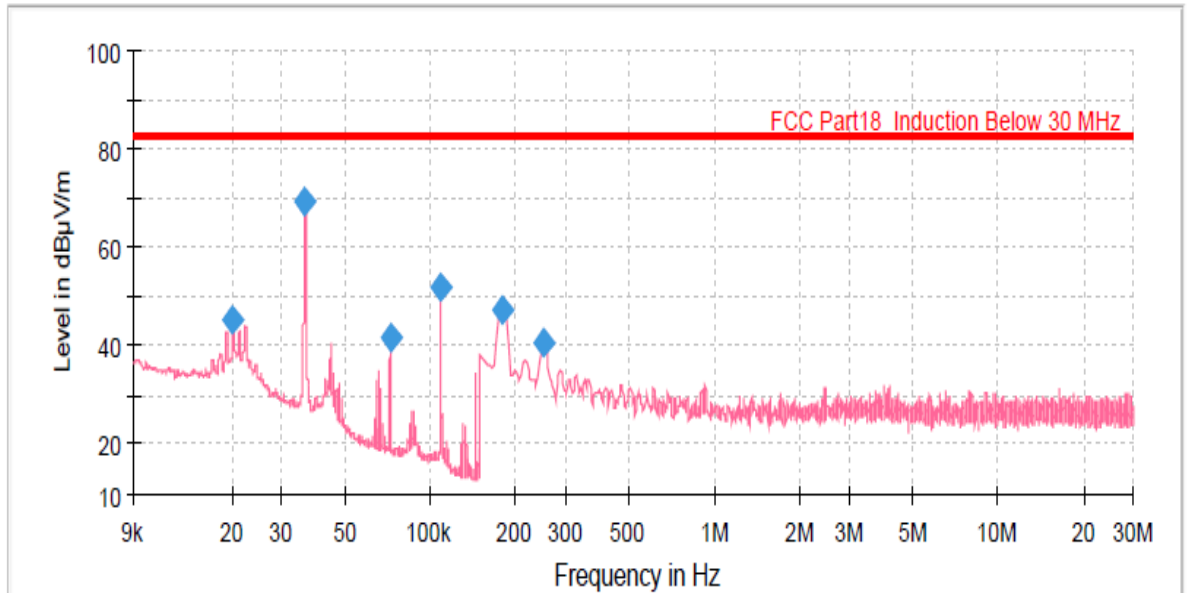


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020146	45.16	82.60	37.44	1000.0	0.200	H	159.0	20.3
0.037341	71.23	82.60	11.37	1000.0	0.200	H	186.0	20.1
0.113071	53.11	82.60	29.49	1000.0	0.200	H	186.0	20.0
0.182000	49.66	82.60	32.94	1000.0	9.000	H	210.0	20.0
0.255445	42.79	82.60	39.81	1000.0	9.000	H	186.0	20.0
0.361890	32.36	82.60	50.24	1000.0	9.000	H	275.0	20.0



Cooking Element #4_V



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

Final_Result

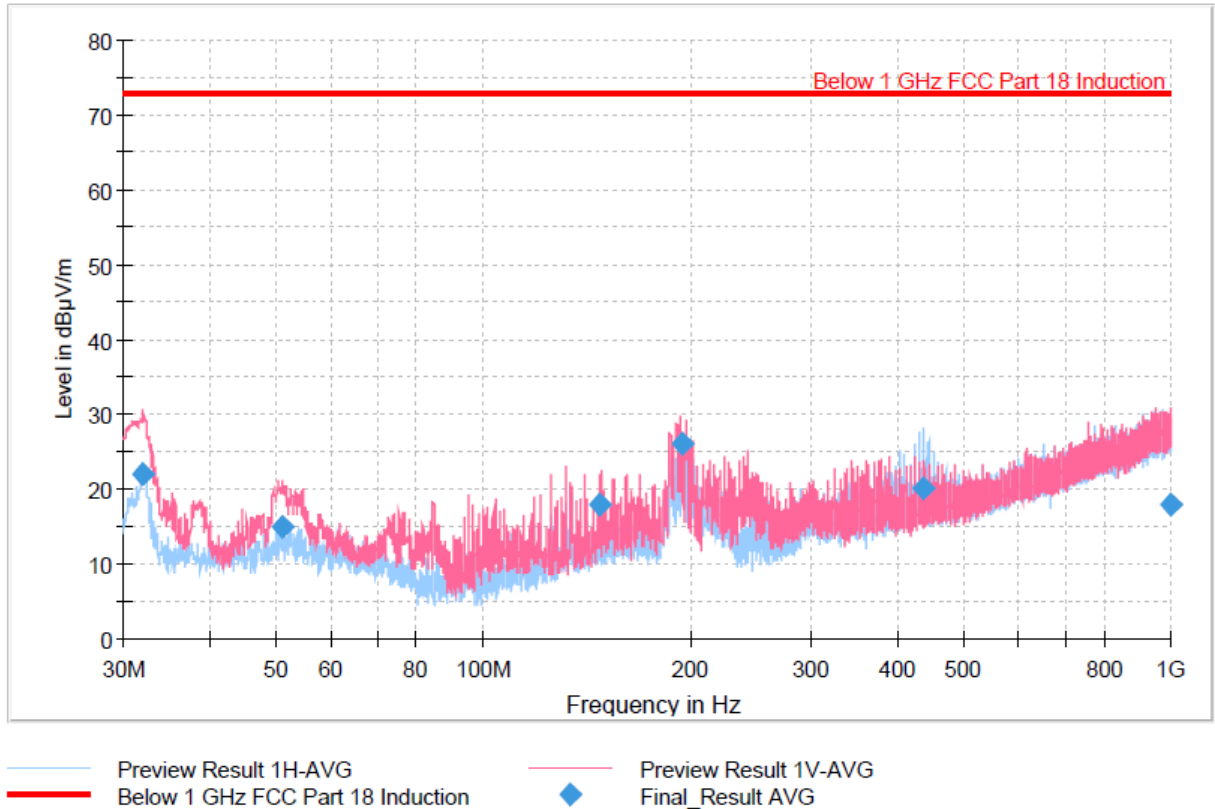
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020202	45.07	82.60	37.53	1000.0	0.200	V	76.0	20.3
0.036229	69.56	82.60	13.04	1000.0	0.200	V	95.0	20.1
0.072450	41.52	82.60	41.08	1000.0	0.200	V	131.0	20.0
0.108727	52.15	82.60	30.45	1000.0	0.200	V	110.0	20.0
0.179850	47.55	82.60	35.05	1000.0	9.000	V	273.0	20.0
0.251490	40.77	82.60	41.83	1000.0	9.000	V	273.0	20.0



30 MHz ~ 1 GHz

[AC 208V, 60 Hz]

Cooking Element #1

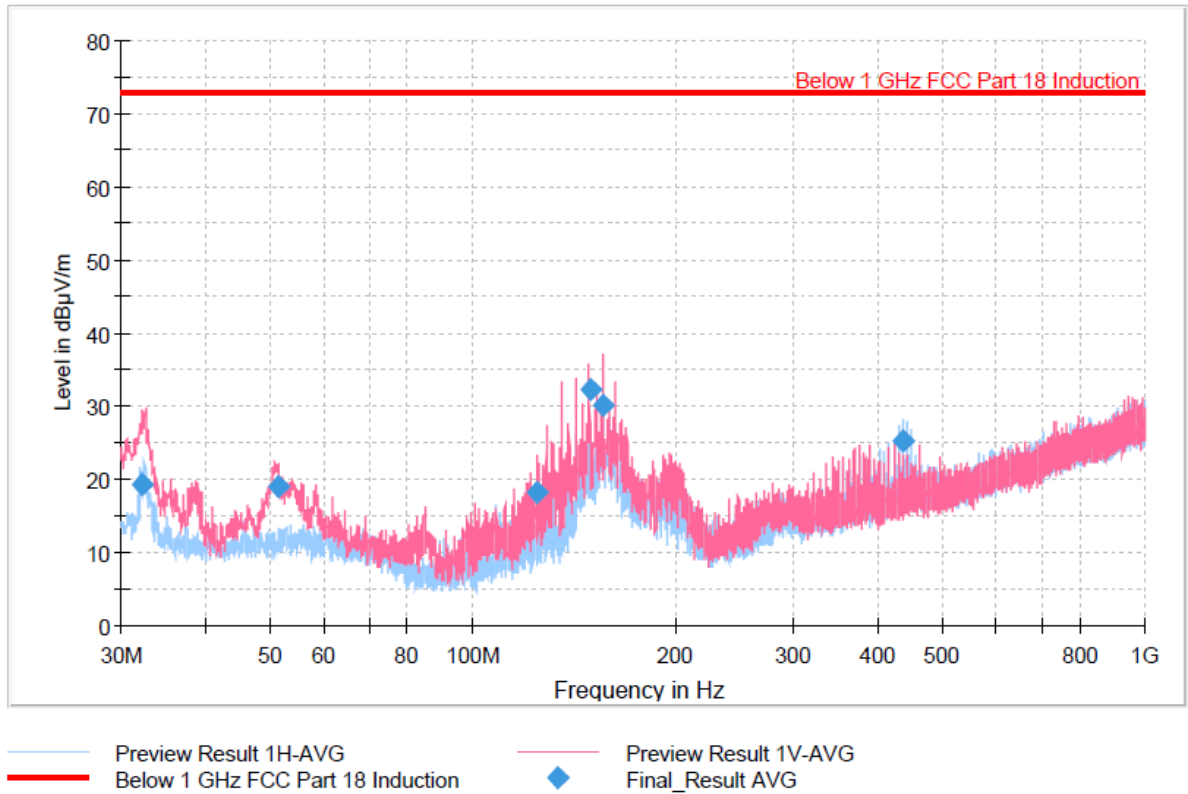


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.081400	21.95	73.06	51.11	1000.0	120.000	100.0	V	352.0	-28.0
50.855133	14.93	73.06	58.13	1000.0	120.000	100.0	V	75.0	-27.1
147.964667	18.02	73.06	55.04	1000.0	120.000	104.0	V	222.0	-25.9
194.332133	26.07	73.06	46.99	1000.0	120.000	100.0	V	235.0	-28.4
437.210000	20.10	73.06	52.96	1000.0	120.000	375.0	H	20.0	-19.5
998.739128	17.90	73.06	55.16	1000.0	120.000	325.0	V	294.0	-7.3



Cooking Element #2

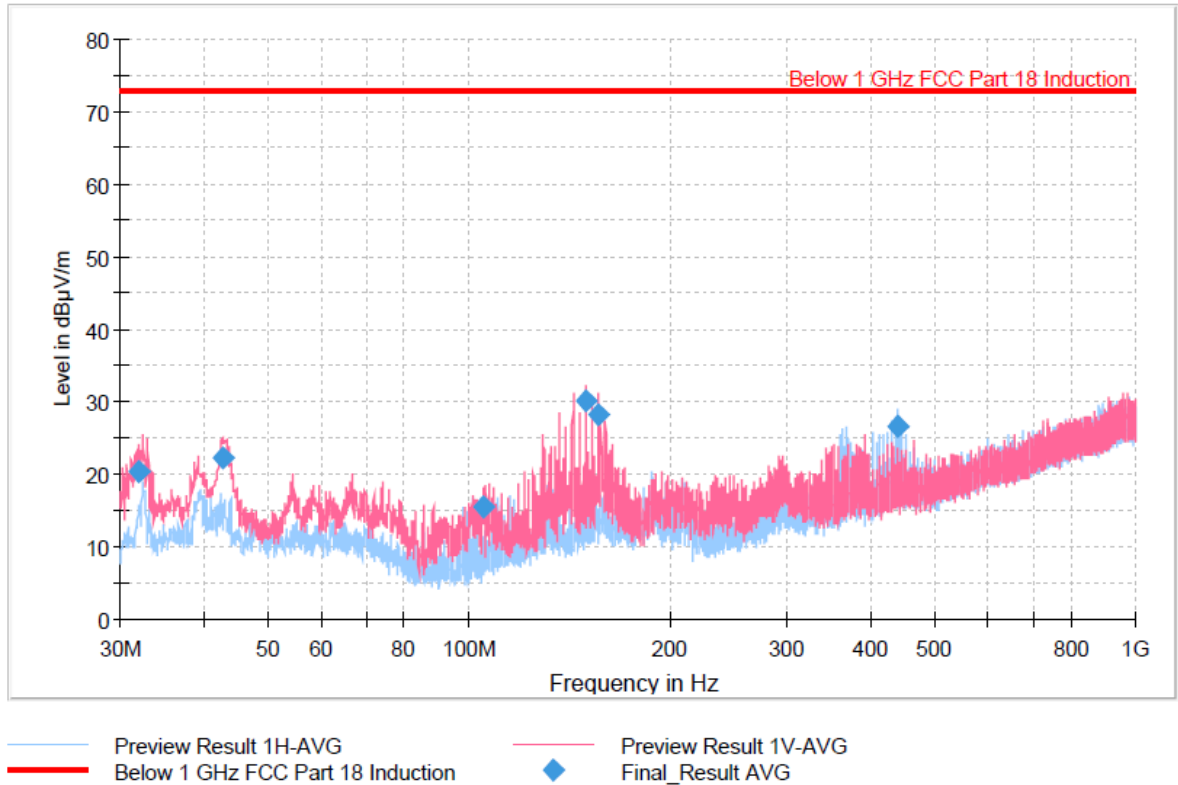


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.233867	19.29	73.06	53.77	1000.0	120.000	325.0	V	5.0	-28.0
51.294267	18.86	73.06	54.20	1000.0	120.000	106.0	V	183.0	-27.1
124.766600	18.29	73.06	54.77	1000.0	120.000	125.0	V	198.0	-28.5
149.961867	32.29	73.06	40.77	1000.0	120.000	100.0	V	211.0	-25.7
156.795133	30.19	73.06	42.87	1000.0	120.000	105.0	V	241.0	-25.6
436.672333	25.10	73.06	47.96	1000.0	120.000	125.0	H	-6.0	-19.5



Cooking Element #3

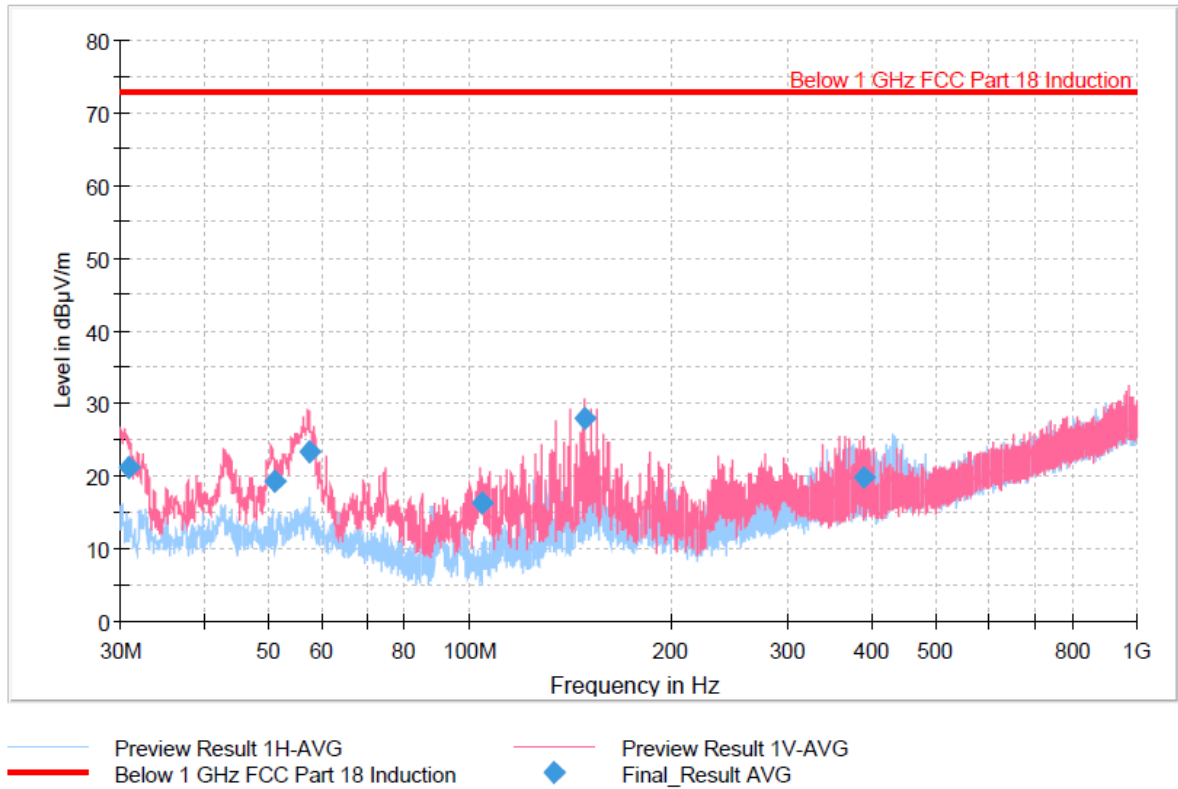


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.017133	20.36	73.06	52.70	1000.0	120.000	105.0	V	59.0	-28.0
42.617133	22.13	73.06	50.93	1000.0	120.000	125.0	V	114.0	-27.2
105.259267	15.54	73.06	57.52	1000.0	120.000	100.0	V	101.0	-30.4
149.993600	30.03	73.06	43.03	1000.0	120.000	105.0	V	78.0	-25.7
156.430267	28.12	73.06	44.94	1000.0	120.000	109.0	V	267.0	-25.6
438.997133	26.68	73.06	46.38	1000.0	120.000	125.0	H	24.0	-19.4



Cooking Element #4



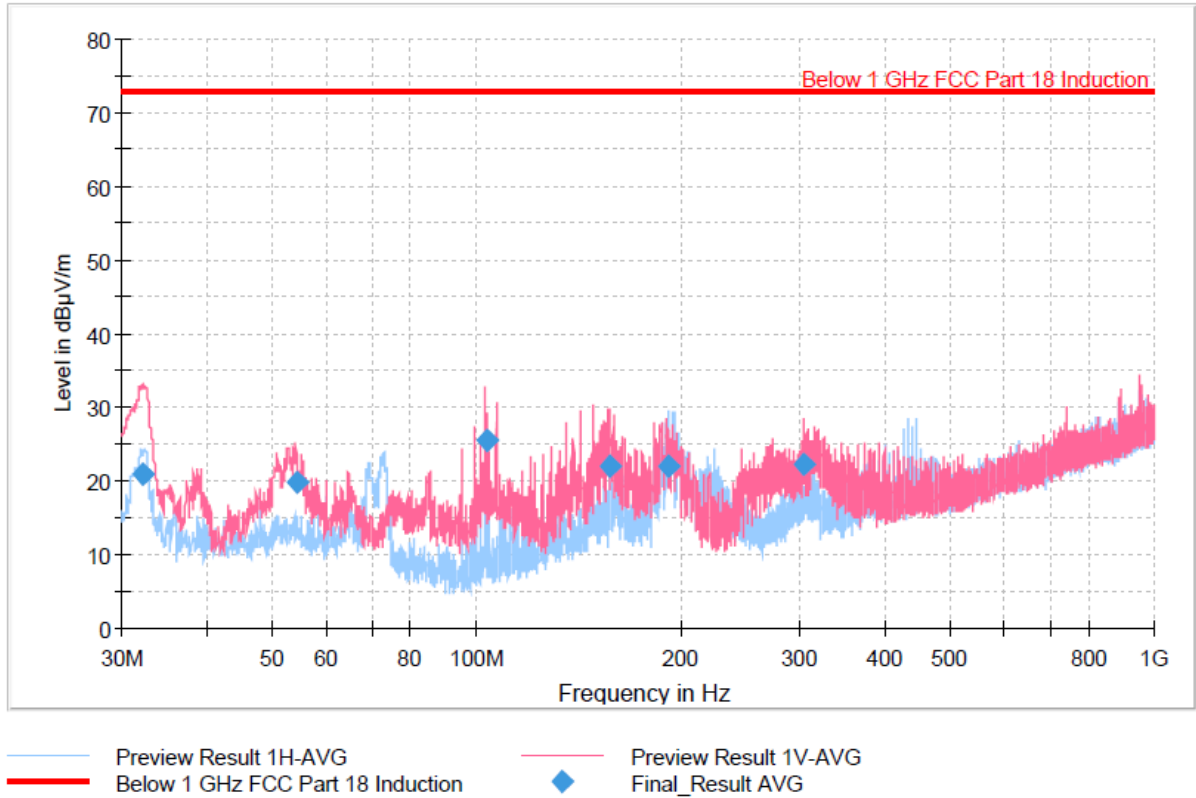
Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.817344	21.02	73.06	52.04	1000.0	120.000	100.0	V	-35.0	-27.7
51.139067	19.26	73.06	53.80	1000.0	120.000	104.0	V	-27.0	-27.1
57.546000	23.37	73.06	49.69	1000.0	120.000	100.0	V	-27.0	-27.0
104.121267	16.27	73.06	56.79	1000.0	120.000	125.0	V	151.0	-30.6
148.321200	28.06	73.06	45.00	1000.0	120.000	125.0	V	243.0	-25.9
389.730600	19.88	73.06	53.18	1000.0	120.000	325.0	V	99.0	-21.3



[AC 240V, 60 Hz]

Cooking Element #1

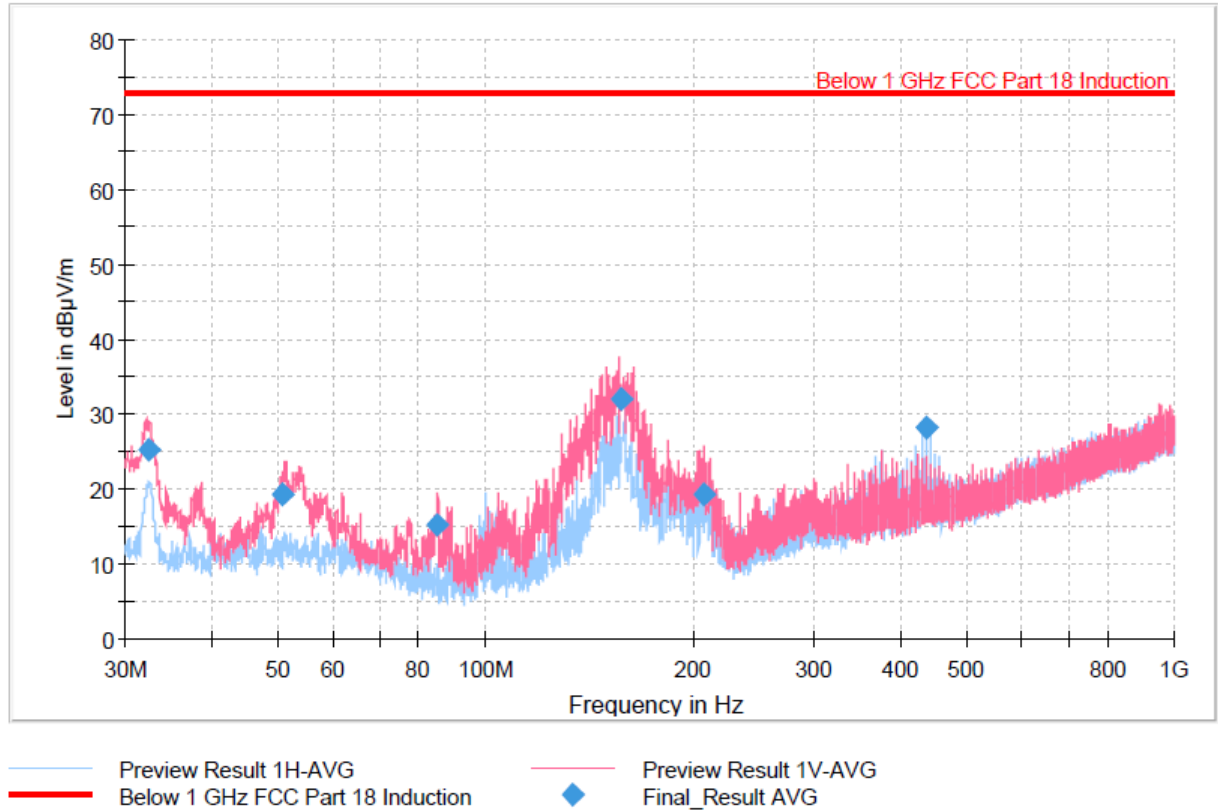


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.185133	20.84	73.06	52.22	1000.0	120.000	325.0	V	-35.0	-28.0
54.278267	19.84	73.06	53.22	1000.0	120.000	100.0	V	230.0	-26.9
103.692867	25.39	73.06	47.67	1000.0	120.000	125.0	V	104.0	-30.7
157.289000	22.03	73.06	51.03	1000.0	120.000	100.0	V	222.0	-25.6
191.846000	21.89	73.06	51.17	1000.0	120.000	400.0	H	327.0	-28.2
303.317733	22.12	73.06	50.94	1000.0	120.000	325.0	V	200.0	-24.1



Cooking Element #2

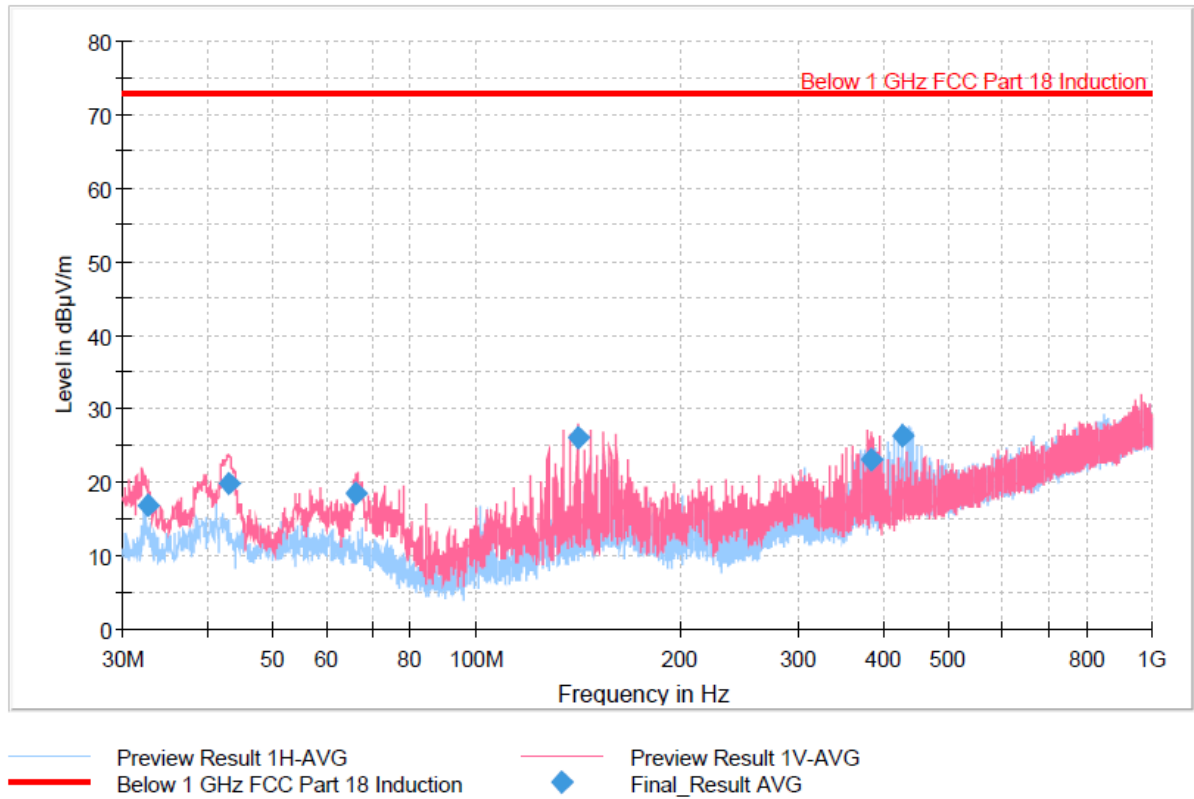


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.410867	25.17	73.06	47.89	1000.0	120.000	100.0	V	-20.0	-28.0
50.760667	19.37	73.06	53.69	1000.0	120.000	105.0	V	-23.0	-27.1
85.074533	15.15	73.06	57.91	1000.0	120.000	125.0	V	14.0	-31.9
156.928800	32.00	73.06	41.06	1000.0	120.000	105.0	V	24.0	-25.5
206.977600	19.14	73.06	53.92	1000.0	120.000	100.0	V	-32.0	-28.6
436.033200	28.19	73.06	44.87	1000.0	120.000	400.0	H	-11.0	-19.5



Cooking Element #3

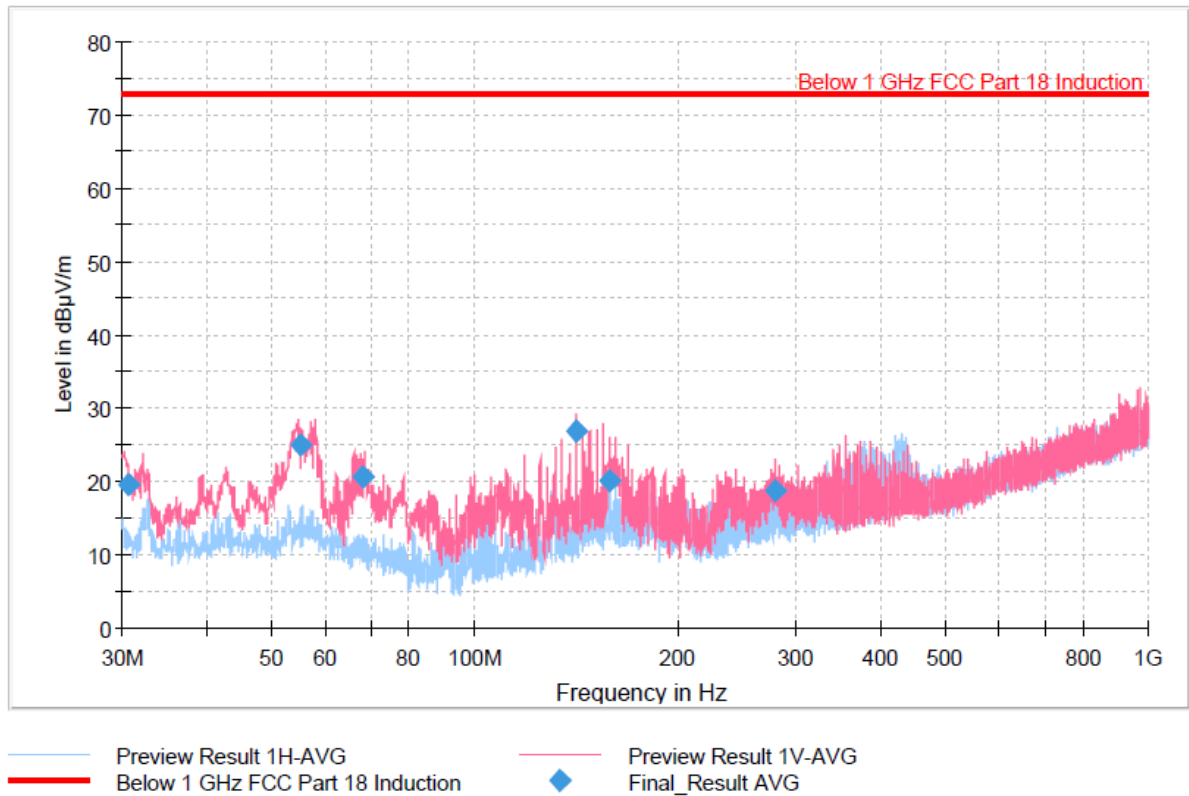


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.611000	16.74	73.06	56.32	1000.0	120.000	400.0	V	-12.0	-27.9
43.020933	19.77	73.06	53.29	1000.0	120.000	109.0	V	322.0	-27.1
66.198933	18.54	73.06	54.52	1000.0	120.000	104.0	V	133.0	-27.6
141.144400	25.96	73.06	47.10	1000.0	120.000	100.0	V	250.0	-26.7
383.510000	23.08	73.06	49.98	1000.0	120.000	348.0	V	92.0	-21.4
427.635333	26.31	73.06	46.75	1000.0	120.000	375.0	H	253.0	-9.7



Cooking Element #4



Final Result

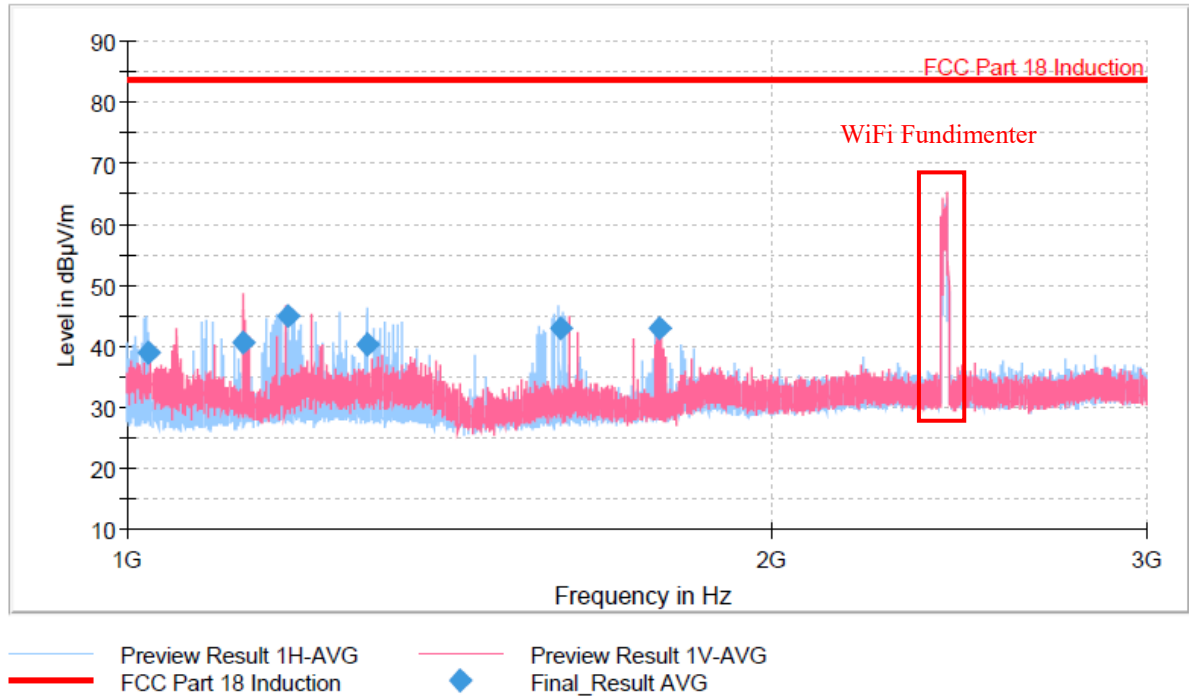
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.592702	19.39	73.06	53.67	1000.0	120.000	100.0	V	14.0	-27.7
55.172800	25.03	73.06	48.03	1000.0	120.000	105.0	V	60.0	-27.0
68.166467	20.67	73.06	52.39	1000.0	120.000	100.0	V	60.0	-27.8
141.187667	26.83	73.06	46.23	1000.0	120.000	100.0	V	210.0	-26.6
158.049933	20.11	73.06	52.95	1000.0	120.000	120.0	V	259.0	-25.6
279.365467	18.81	73.06	54.25	1000.0	120.000	400.0	V	17.0	-25.0



1 GHz ~ 3 GHz

[AC 208V, 60 Hz]

Cooking Element #1

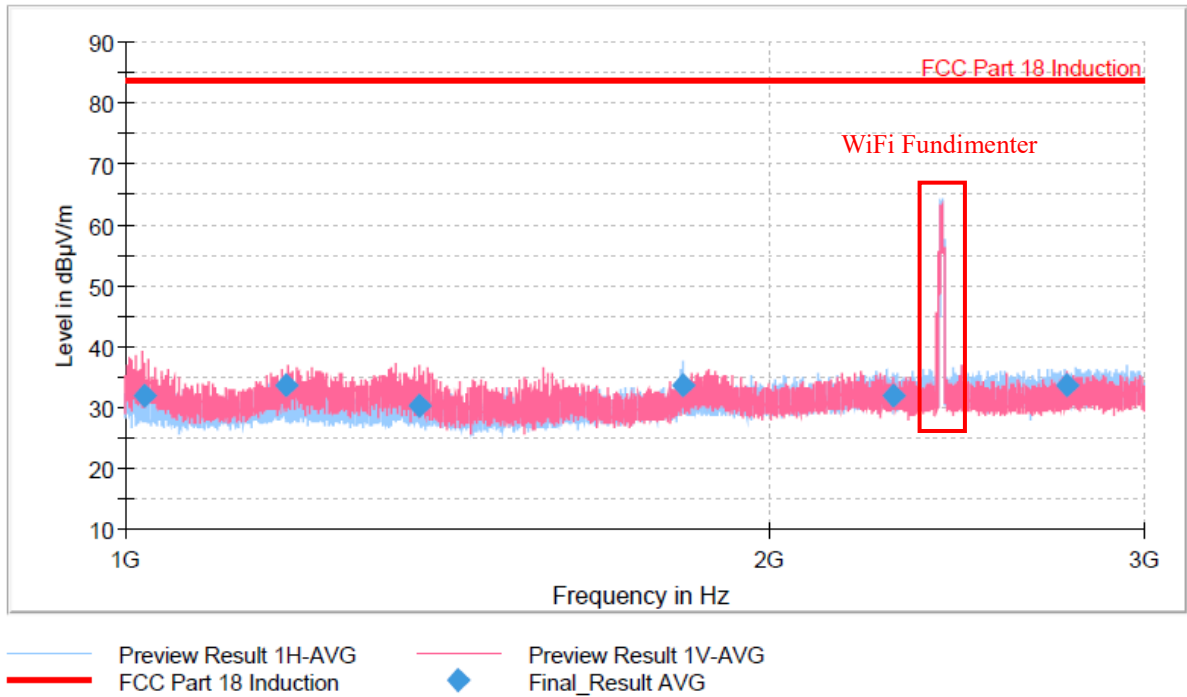


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1022.4000	39.00	83.52	44.52	1000.0	1000.000	207.0	H	66.0	-14.9
1132.1333	40.61	83.52	42.91	1000.0	1000.000	100.0	V	296.0	-14.1
1189.9333	45.09	83.52	38.43	1000.0	1000.000	175.0	V	67.0	-13.7
1295.6000	40.50	83.52	43.02	1000.0	1000.000	175.0	H	140.0	-13.7
1595.8667	42.87	83.52	40.65	1000.0	1000.000	185.0	H	44.0	-13.3
1775.8000	43.08	83.52	40.44	1000.0	1000.000	225.0	V	25.0	-11.5



Cooking Element #2

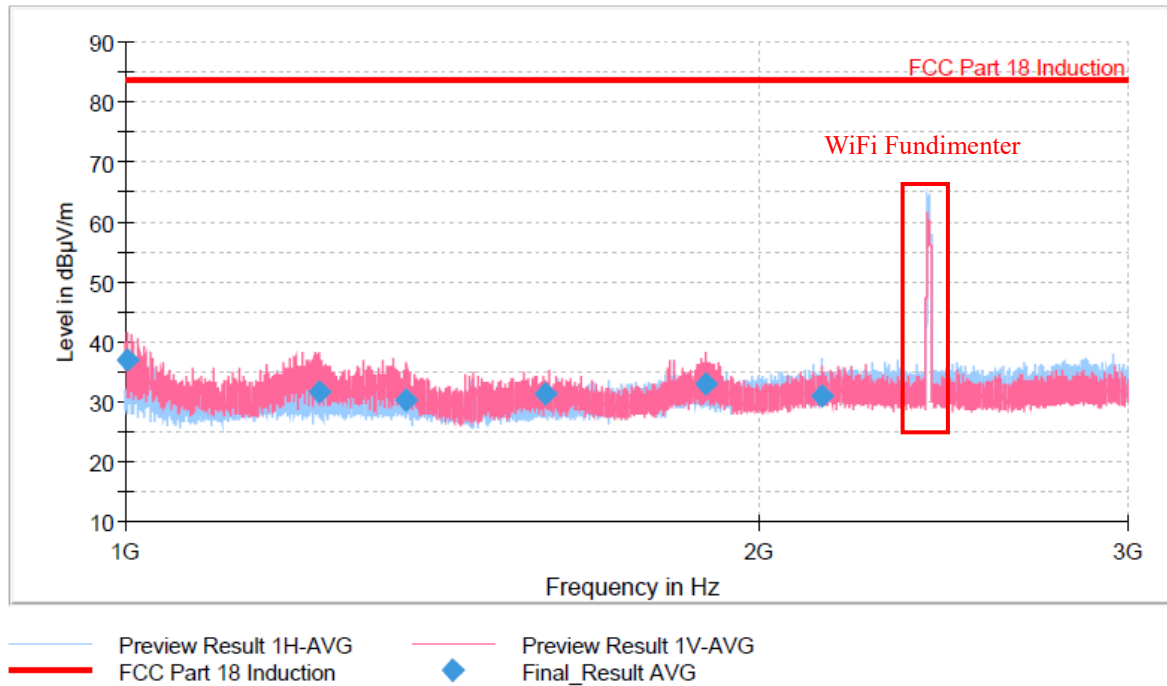


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1021.6667	32.01	83.52	51.51	1000.0	1000.000	225.0	V	341.0	-14.9
1188.7333	33.77	83.52	49.75	1000.0	1000.000	200.0	V	0.0	-13.7
1372.6000	30.26	83.52	53.26	1000.0	1000.000	198.0	V	90.0	-13.9
1824.5333	33.64	83.52	49.88	1000.0	1000.000	104.0	H	66.0	-11.0
2288.3333	31.88	83.52	51.64	1000.0	1000.000	225.0	H	88.0	-8.7
2759.6667	33.59	83.52	49.93	1000.0	1000.000	225.0	V	6.0	-7.6



Cooking Element #3

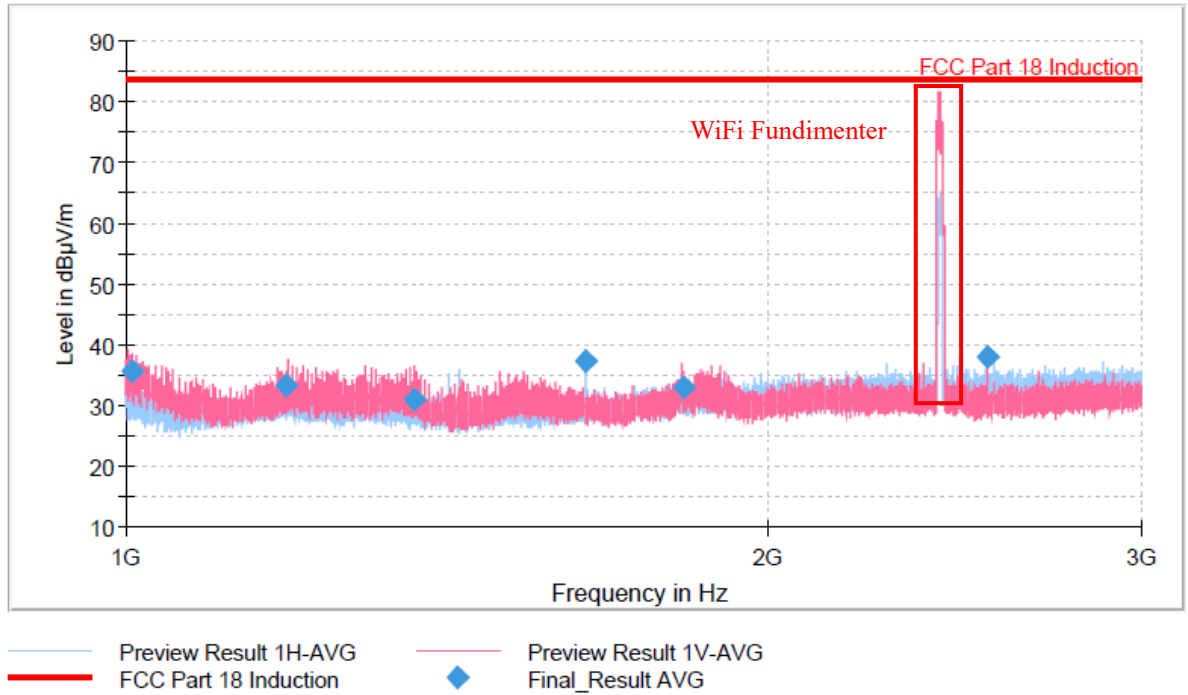


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1002.8000	37.05	83.52	46.47	1000.0	1000.000	225.0	V	339.0	-14.8
1237.0667	31.81	83.52	51.71	1000.0	1000.000	104.0	V	-3.0	-13.6
1361.6000	30.45	83.52	53.07	1000.0	1000.000	225.0	V	262.0	-13.9
1582.7333	31.20	83.52	52.32	1000.0	1000.000	179.0	V	336.0	-13.5
1890.8000	32.98	83.52	50.54	1000.0	1000.000	225.0	V	185.0	-10.8
2143.6000	31.10	83.52	52.42	1000.0	1000.000	225.0	H	-2.0	-9.5



Cooking Element #4



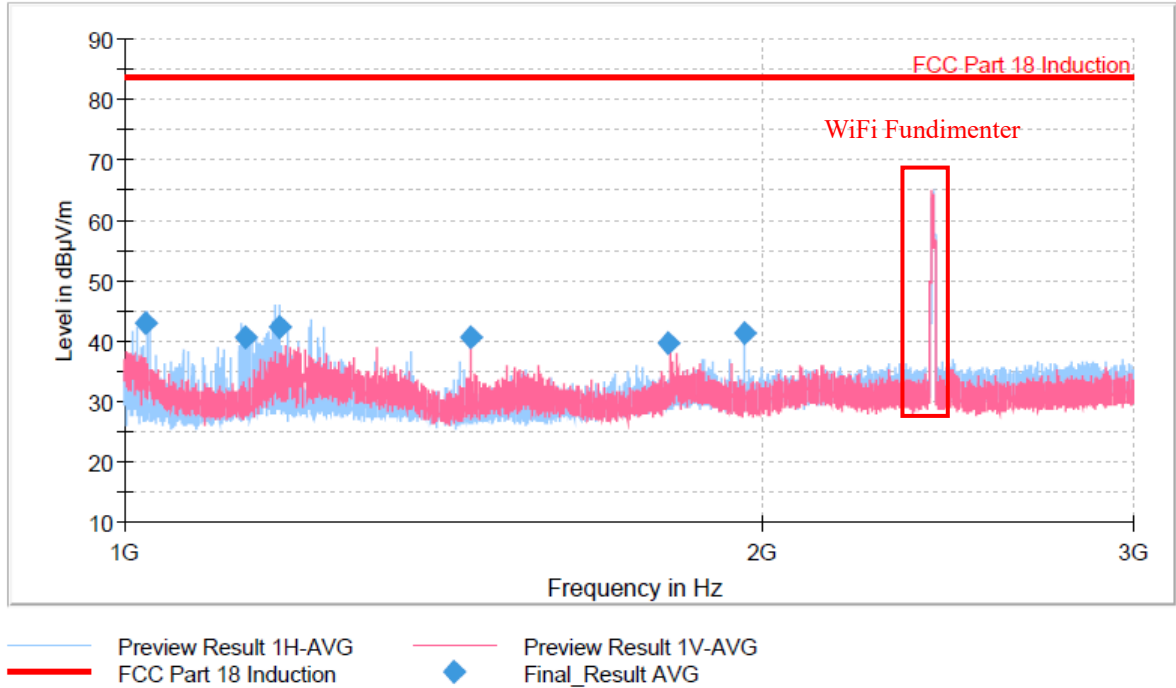
Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1006.6000	35.58	83.52	47.94	1000.0	1000.000	225.0	V	192.0	-14.9
1190.7333	33.32	83.52	50.20	1000.0	1000.000	186.0	V	248.0	-13.7
1367.3333	30.99	83.52	52.53	1000.0	1000.000	225.0	V	264.0	-13.9
1646.0667	37.42	83.52	46.10	1000.0	1000.000	225.0	H	72.0	-12.6
1828.0667	32.96	83.52	50.56	1000.0	1000.000	104.0	V	25.0	-10.9
2539.1333	38.15	83.52	45.37	1000.0	1000.000	225.0	V	102.0	-8.4



[AC 240V, 60 Hz]

Cooking Element #1

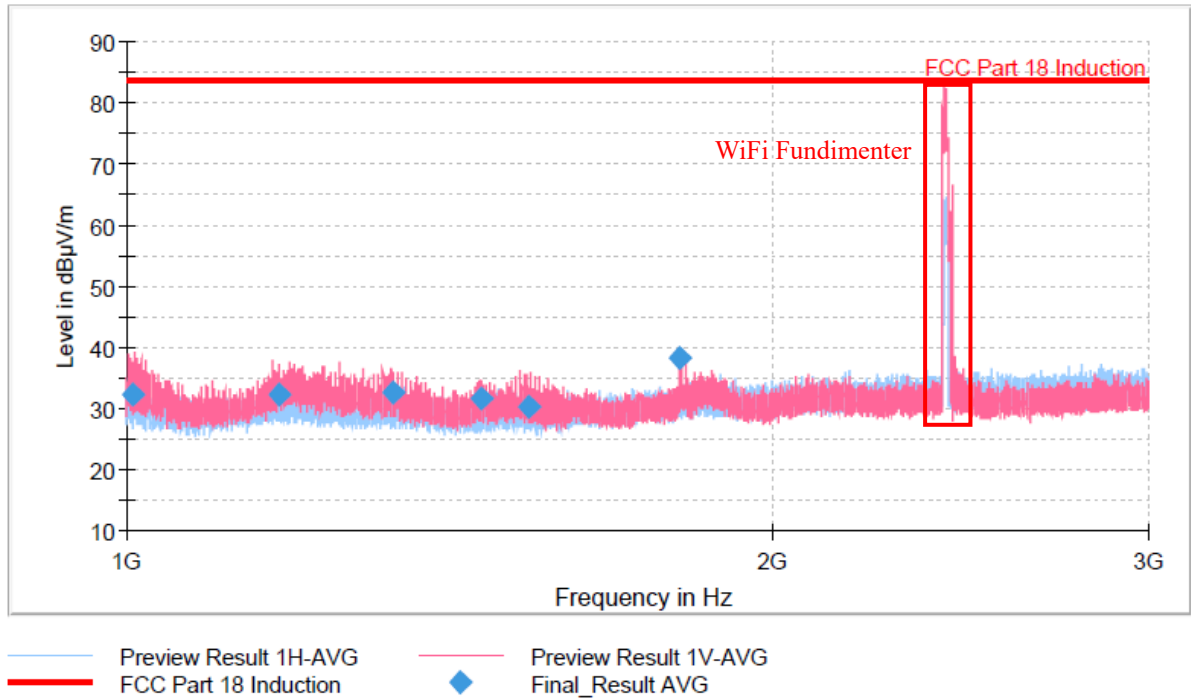


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1023.4667	42.92	83.52	40.60	1000.0	1000.000	100.0	H	-20.0	-14.9
1140.8667	40.72	83.52	42.80	1000.0	1000.000	122.0	H	100.0	-14.0
1184.5333	42.47	83.52	41.05	1000.0	1000.000	109.0	H	162.0	-13.7
1457.9333	40.82	83.52	42.70	1000.0	1000.000	125.0	V	92.0	-14.4
1808.3333	39.77	83.52	43.75	1000.0	1000.000	105.0	V	2.0	-11.2
1965.0667	41.35	83.52	42.17	1000.0	1000.000	100.0	H	161.0	-10.6



Cooking Element #2

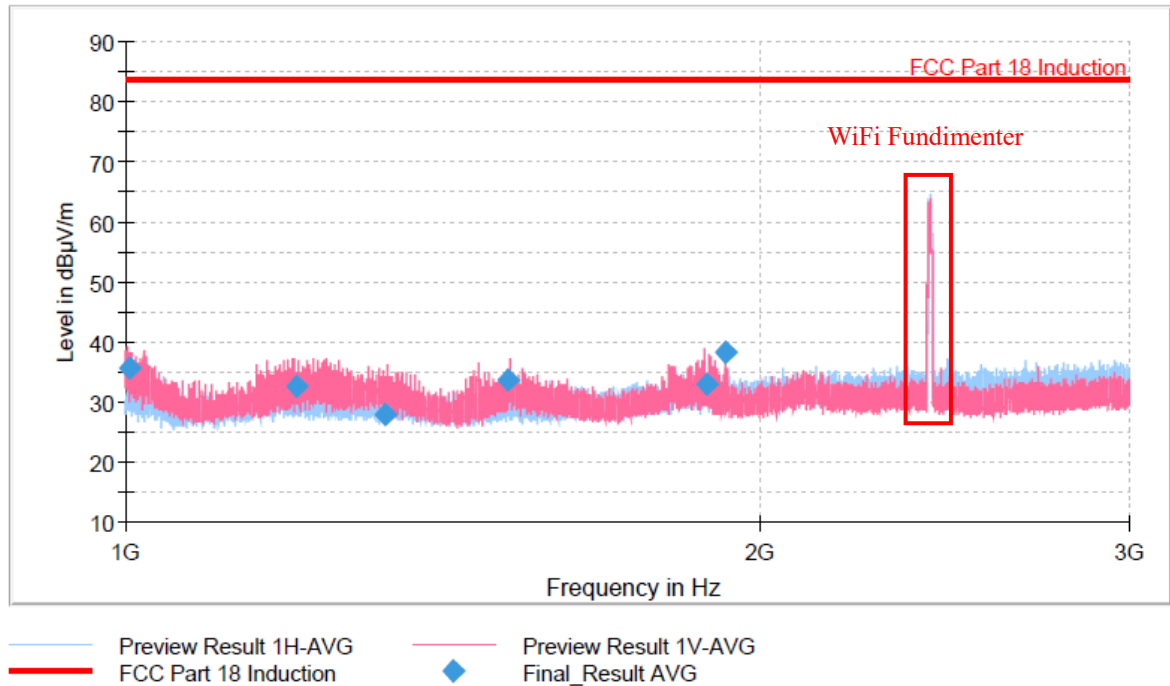


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1006.2000	32.43	83.52	51.09	1000.0	1000.000	225.0	V	253.0	-14.9
1179.1333	32.23	83.52	51.29	1000.0	1000.000	225.0	V	-5.0	-13.7
1332.0000	32.67	83.52	50.85	1000.0	1000.000	181.0	V	263.0	-13.8
1464.3333	31.78	83.52	51.74	1000.0	1000.000	225.0	V	4.0	-14.4
1540.2000	30.41	83.52	53.11	1000.0	1000.000	208.0	V	333.0	-14.0
1811.8000	38.19	83.52	45.33	1000.0	1000.000	125.0	V	290.0	-11.2



Cooking Element #3

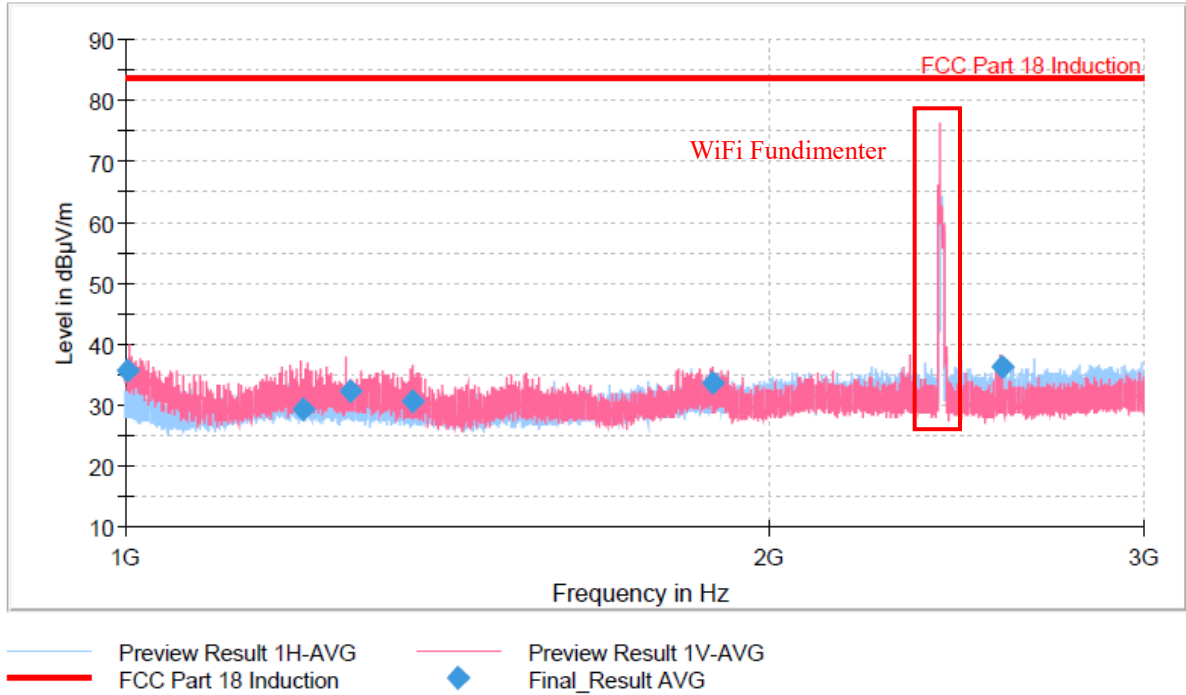


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1003.6000	35.69	83.52	47.83	1000.0	1000.000	225.0	V	342.0	-14.8
1206.2000	32.74	83.52	50.78	1000.0	1000.000	175.0	V	352.0	-13.6
1328.9333	28.13	83.52	55.39	1000.0	1000.000	199.0	V	274.0	-13.8
1518.8667	33.78	83.52	49.74	1000.0	1000.000	225.0	V	113.0	-14.1
1889.3333	32.95	83.52	50.57	1000.0	1000.000	225.0	V	204.0	-10.8
1926.8000	38.32	83.52	45.20	1000.0	1000.000	225.0	V	194.0	-10.8



Cooking Element #4



Final Result

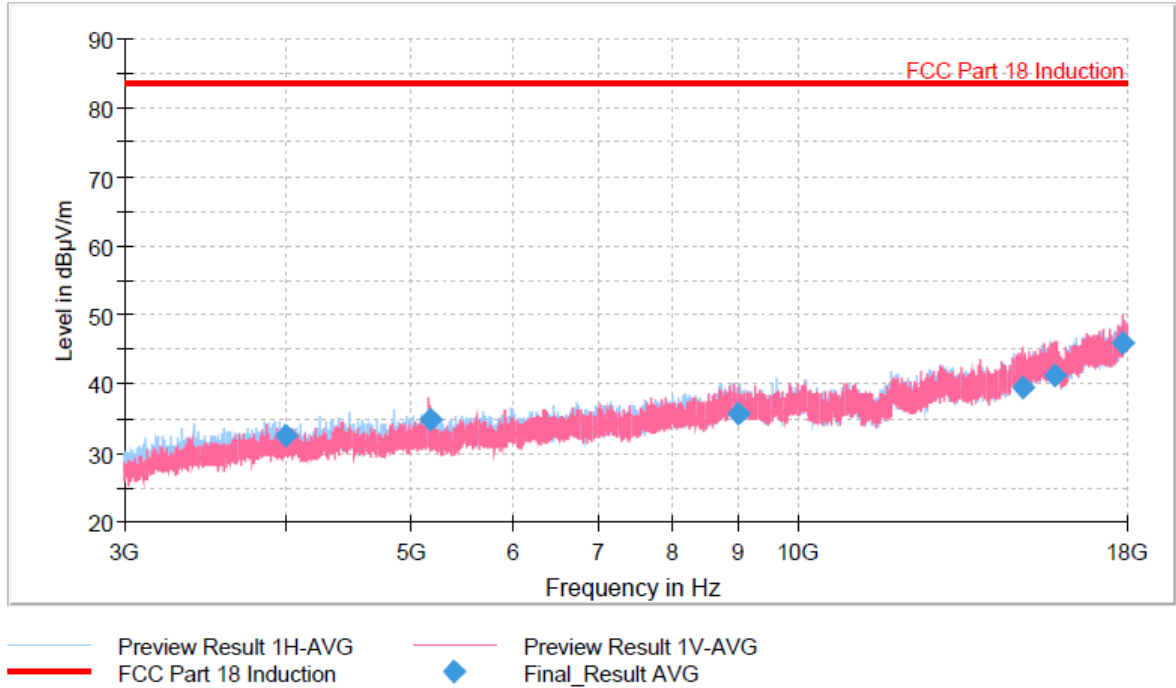
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1001.2000	35.76	83.52	47.76	1000.0	1000.000	100.0	V	197.0	-14.8
1212.8667	29.25	83.52	54.27	1000.0	1000.000	213.0	V	230.0	-13.6
1273.8667	32.42	83.52	51.10	1000.0	1000.000	225.0	V	227.0	-13.7
1363.0000	30.75	83.52	52.77	1000.0	1000.000	125.0	V	264.0	-13.9
1886.7333	33.63	83.52	49.89	1000.0	1000.000	225.0	V	186.0	-10.8
2574.5333	36.46	83.52	47.06	1000.0	1000.000	175.0	V	-16.0	-8.3



3 GHz ~ 18 GHz

[AC 208V, 60 Hz]

Cooking Element #1

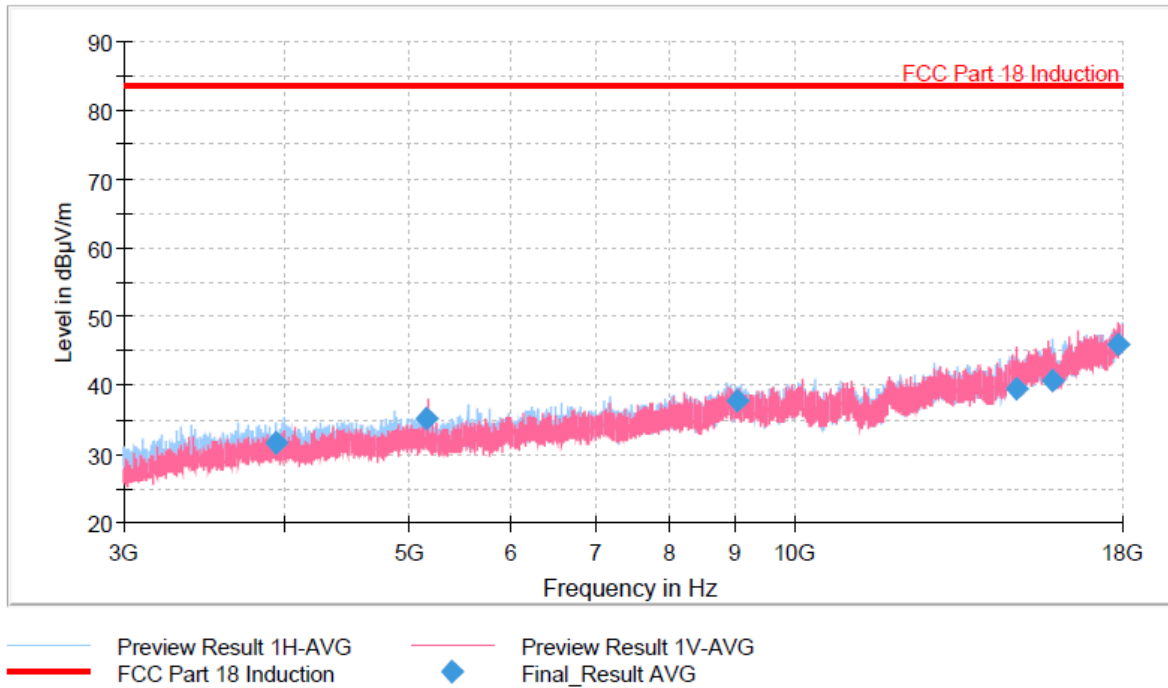


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4005.0000	32.61	83.52	50.91	1000.0	1000.000	225.0	H	23.0	-5.8
5176.2000	35.01	83.52	48.51	1000.0	1000.000	105.0	V	114.0	-2.9
9001.9000	35.84	83.52	47.68	1000.0	1000.000	225.0	H	50.0	3.6
14932.3000	39.59	83.52	43.93	1000.0	1000.000	225.0	V	316.0	15.4
15814.8000	41.34	83.52	42.18	1000.0	1000.000	225.0	V	60.0	16.5
17860.3000	46.06	83.52	37.46	1000.0	1000.000	225.0	V	72.0	20.5



Cooking Element #2

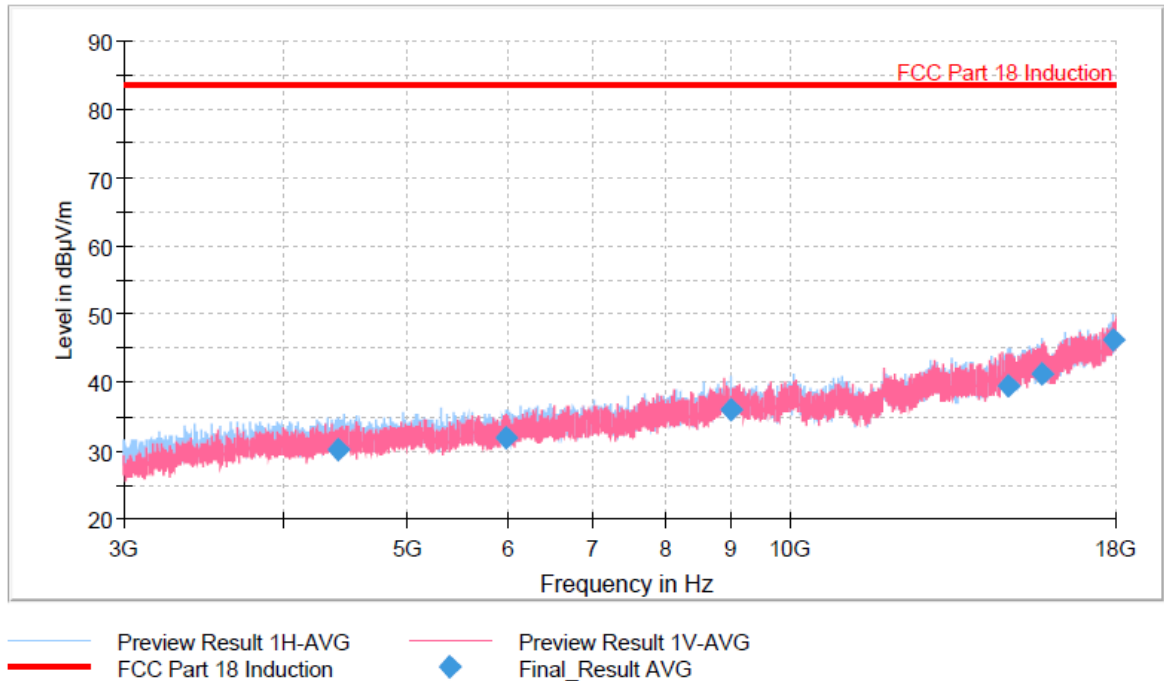


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3945.0000	31.79	83.52	51.73	1000.0	1000.000	225.0	H	243.0	-5.9
5172.0000	35.23	83.52	48.29	1000.0	1000.000	100.0	V	35.0	-2.9
9027.1000	37.86	83.52	45.66	1000.0	1000.000	225.0	H	35.0	3.6
14860.4000	39.52	83.52	44.00	1000.0	1000.000	125.0	V	252.0	15.5
15886.5000	40.76	83.52	42.76	1000.0	1000.000	225.0	H	72.0	15.9
17854.5000	46.06	83.52	37.46	1000.0	1000.000	225.0	V	161.0	20.5



Cooking Element #3

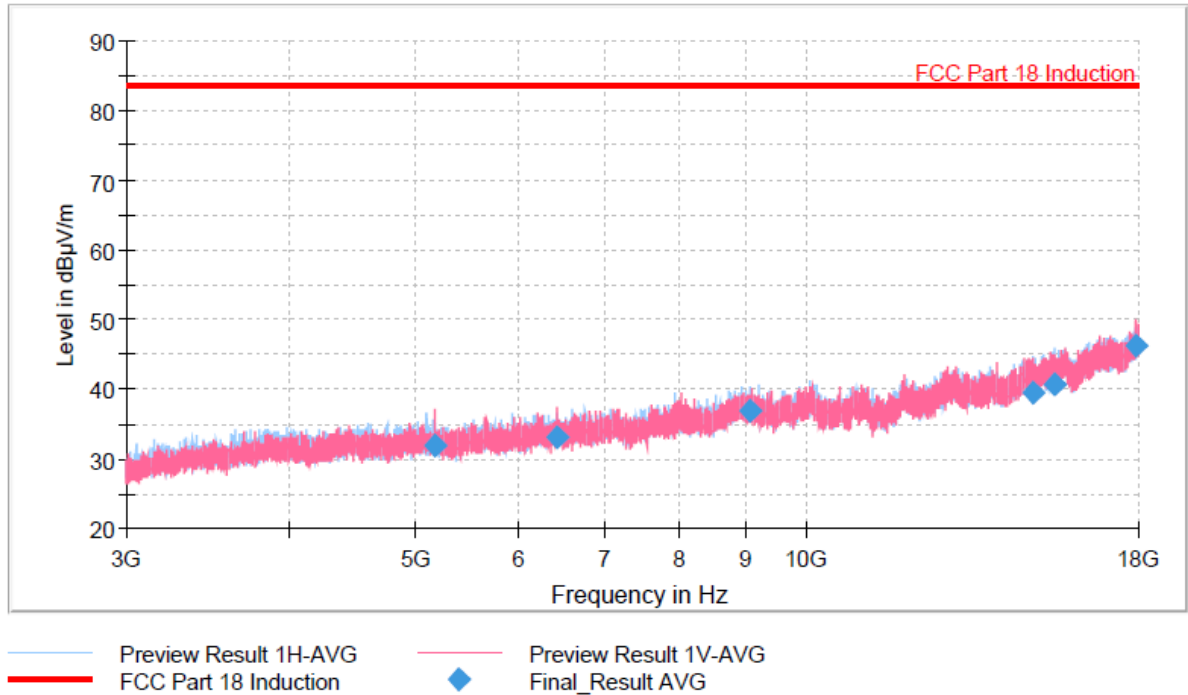


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4415.2000	30.31	83.52	53.21	1000.0	1000.000	225.0	H	283.0	-5.0
5993.9000	31.92	83.52	51.60	1000.0	1000.000	225.0	H	62.0	-0.1
8981.0000	35.97	83.52	47.55	1000.0	1000.000	225.0	H	337.0	3.6
14815.1000	39.49	83.52	44.03	1000.0	1000.000	100.0	H	-27.0	15.6
15751.3000	41.18	83.52	42.34	1000.0	1000.000	125.0	H	332.0	16.3
17939.3000	46.29	83.52	37.23	1000.0	1000.000	104.0	H	108.0	21.2



Cooking Element #4



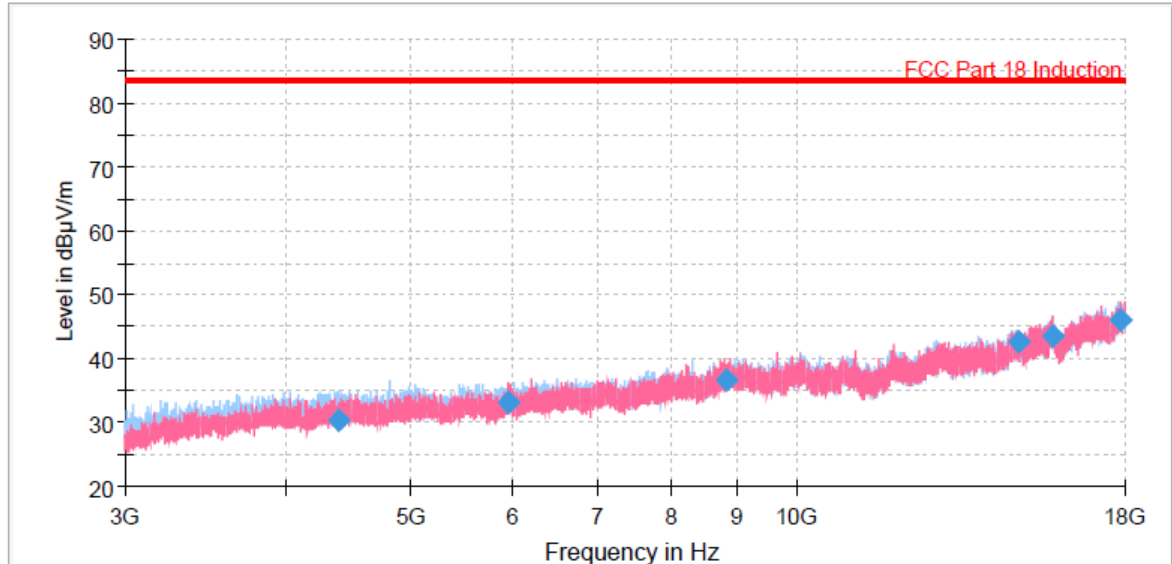
Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5176.9000	31.94	83.52	51.58	1000.0	1000.000	225.0	V	213.0	-2.9
6429.7000	33.17	83.52	50.35	1000.0	1000.000	100.0	V	302.0	0.5
9061.4000	36.93	83.52	46.59	1000.0	1000.000	225.0	H	323.0	3.6
14932.3000	39.62	83.52	43.90	1000.0	1000.000	225.0	H	34.0	15.4
15509.1000	40.72	83.52	42.80	1000.0	1000.000	225.0	H	223.0	15.6
17963.2000	46.35	83.52	37.17	1000.0	1000.000	105.0	V	307.0	21.4



[AC 240V, 60 Hz]

Cooking Element #1



FCC Part 18_Induction

Preview Result 1H-AVG
FCC Part 18 Induction

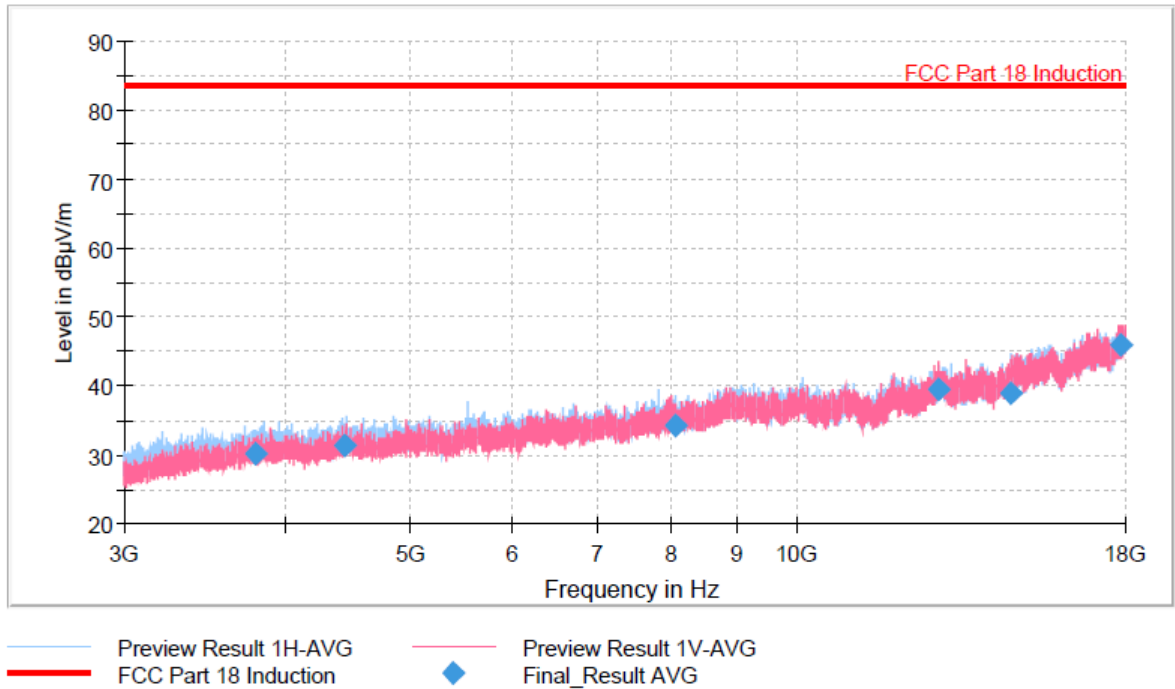
Preview Result 1V-AVG
Final_Result AVG

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4400.2000	30.31	83.52	53.21	1000.0	1000.000	225.0	H	24.0	-5.0
5964.0000	33.14	83.52	50.38	1000.0	1000.000	225.0	V	81.0	-0.3
8802.1000	36.51	83.52	47.01	1000.0	1000.000	225.0	V	226.0	3.6
14890.9000	42.50	83.52	41.02	1000.0	1000.000	225.0	H	358.0	15.4
15799.1000	43.40	83.52	40.12	1000.0	1000.000	225.0	V	116.0	16.6
17885.2000	46.14	83.52	37.38	1000.0	1000.000	100.0	V	5.0	20.7



Cooking Element #2

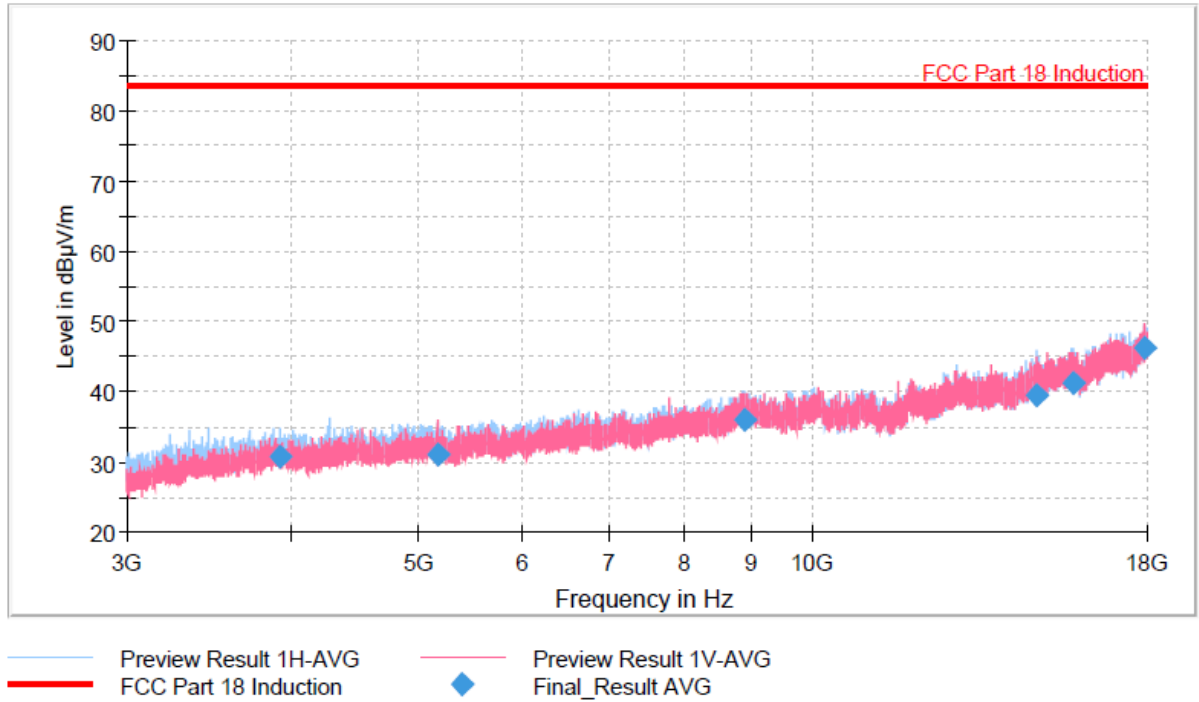


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3803.2000	30.31	83.52	53.21	1000.0	1000.000	225.0	H	94.0	-6.3
4444.5000	31.45	83.52	52.07	1000.0	1000.000	225.0	H	122.0	-5.0
8042.3000	34.27	83.52	49.25	1000.0	1000.000	225.0	H	297.0	3.5
12906.1000	39.47	83.52	44.05	1000.0	1000.000	100.0	V	20.0	10.9
14664.8000	39.10	83.52	44.42	1000.0	1000.000	225.0	H	254.0	14.6
17860.1000	46.05	83.52	37.47	1000.0	1000.000	225.0	V	35.0	20.5



Cooking Element #3

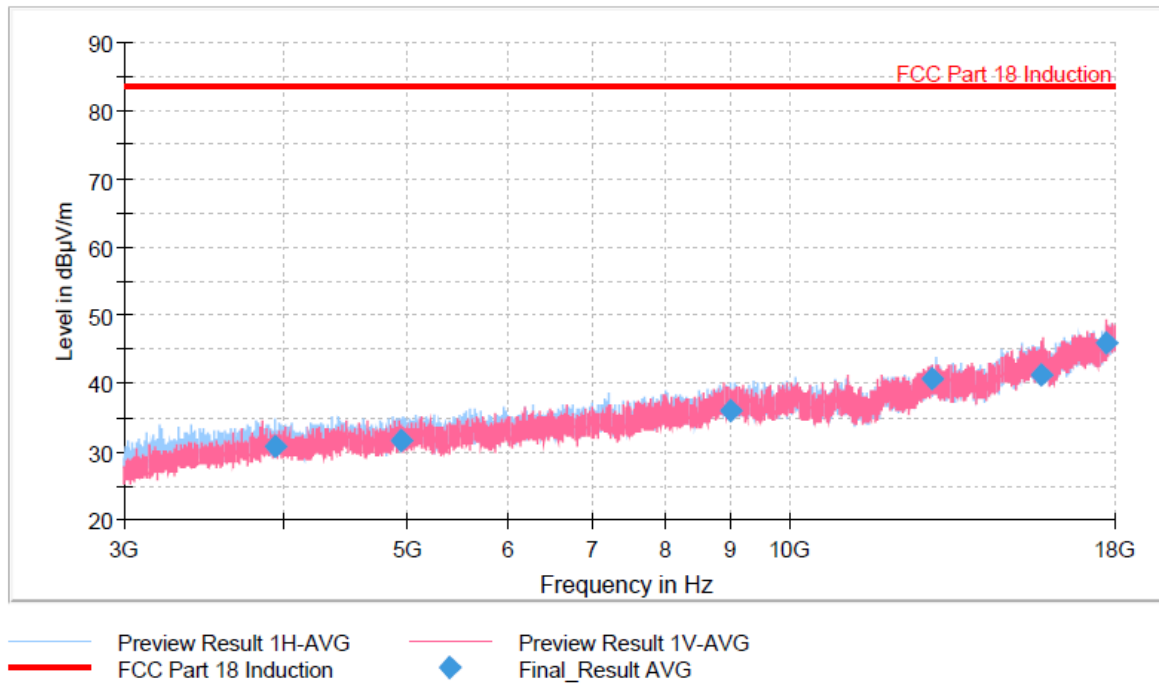


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3927.5000	30.67	83.52	52.85	1000.0	1000.000	225.0	H	102.0	-5.9
5176.7000	31.18	83.52	52.34	1000.0	1000.000	105.0	V	303.0	-2.9
8883.1000	35.91	83.52	47.61	1000.0	1000.000	225.0	H	82.0	3.7
14853.3000	39.64	83.52	43.88	1000.0	1000.000	125.0	H	2.0	15.5
15796.2000	41.40	83.52	42.12	1000.0	1000.000	225.0	H	1.0	16.6
17960.6000	46.39	83.52	37.13	1000.0	1000.000	100.0	V	117.0	21.3



Cooking Element #4



Final Result

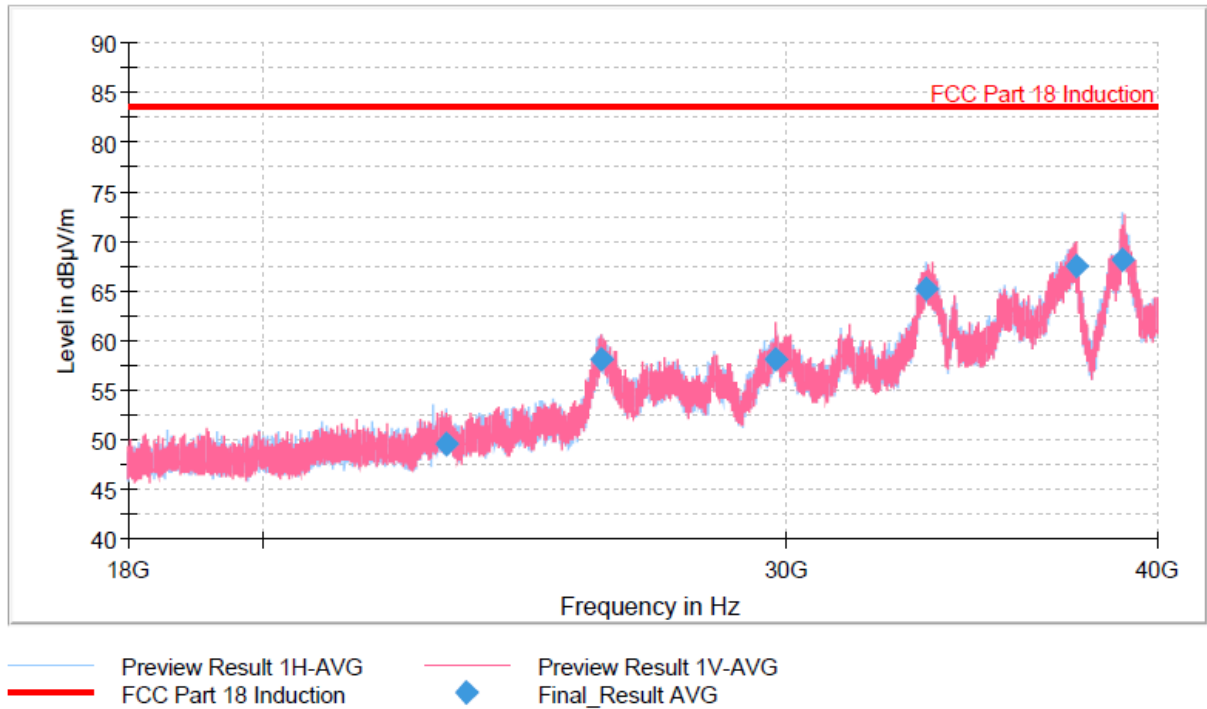
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3938.5000	30.84	83.52	52.68	1000.0	1000.000	225.0	H	127.0	-5.9
4953.0000	31.81	83.52	51.71	1000.0	1000.000	225.0	H	38.0	-3.7
8978.5000	36.01	83.52	47.51	1000.0	1000.000	225.0	H	113.0	3.6
12941.0000	40.70	83.52	42.82	1000.0	1000.000	105.0	H	98.0	11.2
15755.8000	41.19	83.52	42.33	1000.0	1000.000	125.0	H	95.0	16.3
17752.3000	46.06	83.52	37.46	1000.0	1000.000	225.0	V	221.0	20.1



18 GHz ~ 40 GHz

[AC 208V, 60 Hz]

Cooking Element #1

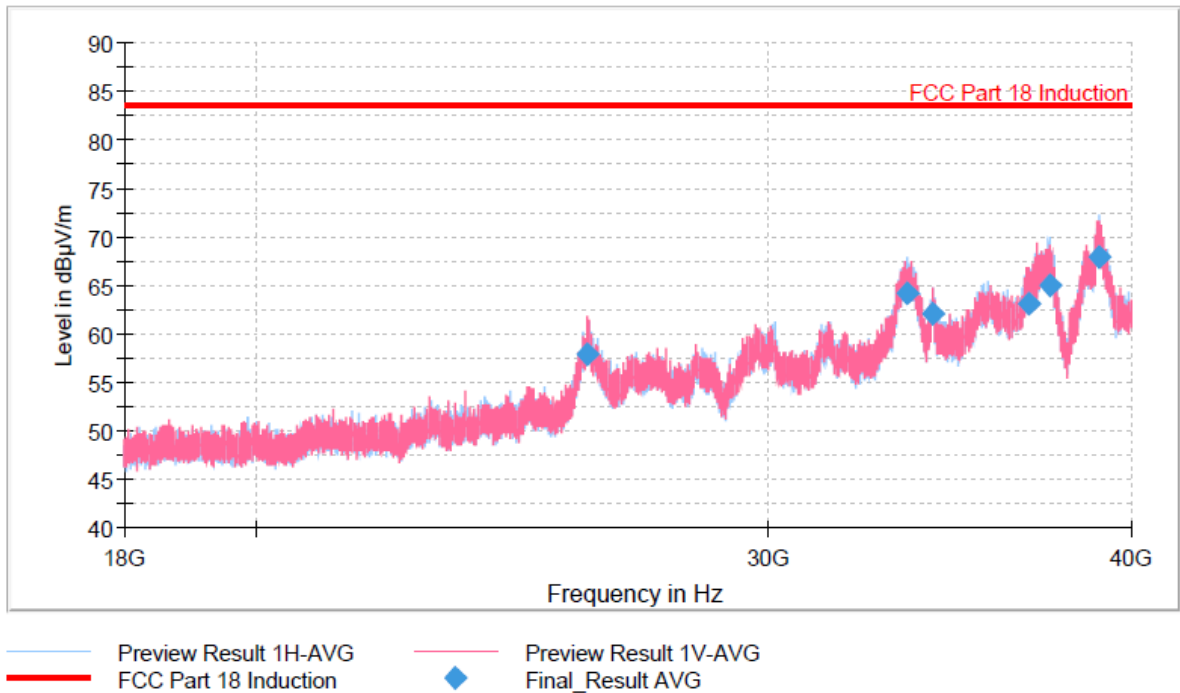


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
23050.1333	49.49	83.52	34.03	1000.0	1000.000	189.0	H	6.0	11.7
26000.0000	58.20	83.52	25.32	1000.0	1000.000	207.0	H	107.0	21.2
29767.6667	58.16	83.52	25.36	1000.0	1000.000	104.0	H	210.0	18.2
33448.1333	65.13	83.52	18.39	1000.0	1000.000	225.0	H	277.0	26.2
37546.0667	67.41	83.52	16.11	1000.0	1000.000	125.0	V	56.0	29.0
38964.6667	68.05	83.52	15.47	1000.0	1000.000	125.0	H	124.0	32.3



Cooking Element #2

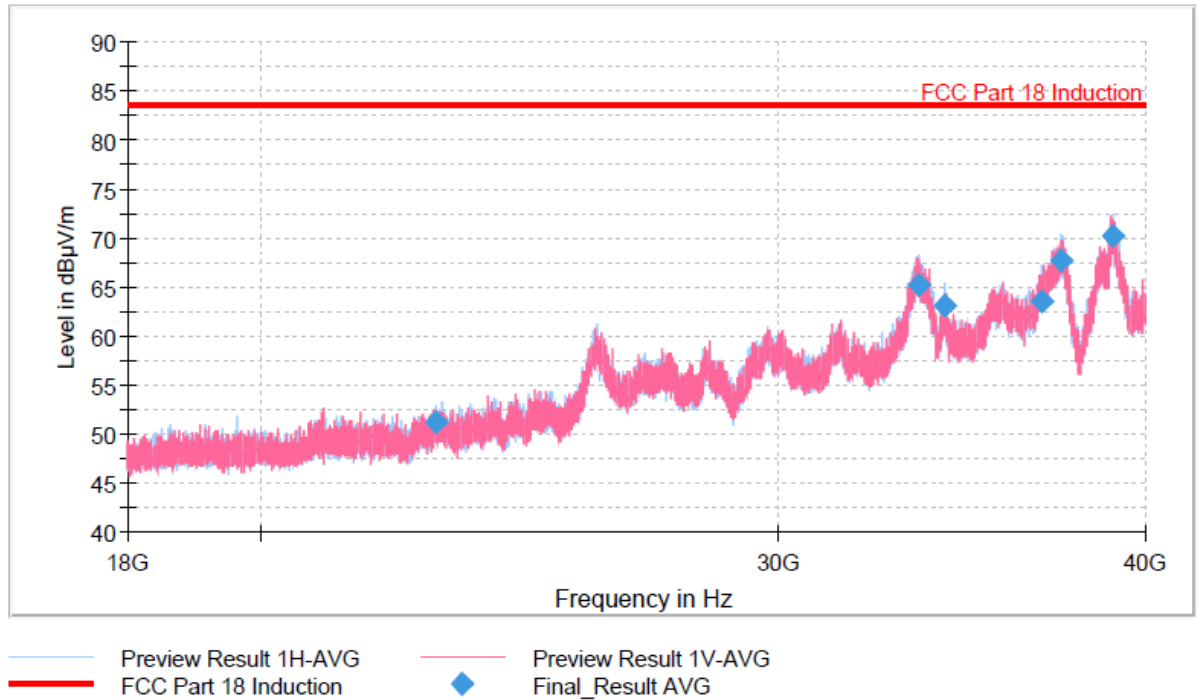


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
25990.6000	57.90	83.52	25.62	1000.0	1000.000	125.0	V	265.0	21.1
33496.0000	64.12	83.52	19.40	1000.0	1000.000	125.0	H	-21.0	26.9
34180.1333	62.12	83.52	21.40	1000.0	1000.000	225.0	V	22.0	22.4
36856.0000	63.22	83.52	20.30	1000.0	1000.000	125.0	V	227.0	26.5
37503.1333	65.10	83.52	18.42	1000.0	1000.000	125.0	H	21.0	30.0
39021.1333	68.02	83.52	15.50	1000.0	1000.000	225.0	H	326.0	32.3



Cooking Element #3

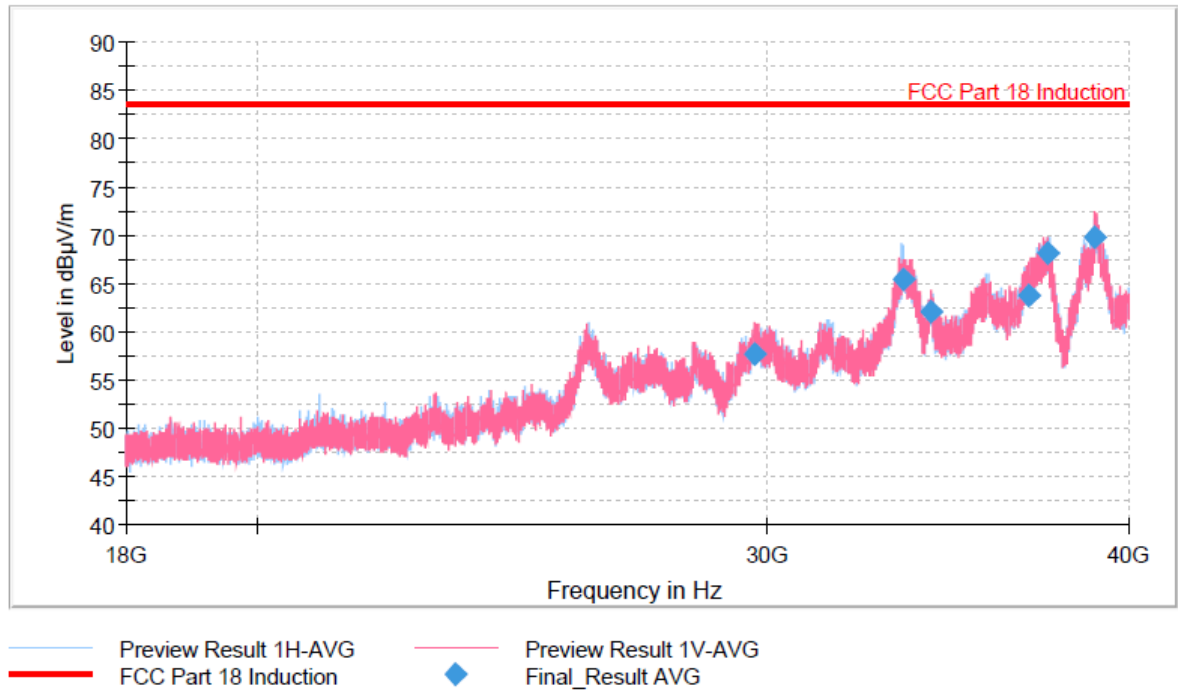


Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
22924.5333	51.28	83.52	32.24	1000.0	1000.000	184.0	V	230.0	19.0
33475.1333	65.20	83.52	18.32	1000.0	1000.000	181.0	H	105.0	26.6
34166.4667	63.03	83.52	20.49	1000.0	1000.000	221.0	H	300.0	22.2
36886.8000	63.49	83.52	20.03	1000.0	1000.000	225.0	H	97.0	26.7
37443.0667	67.81	83.52	15.71	1000.0	1000.000	225.0	H	-5.0	29.8
38976.1333	70.13	83.52	13.39	1000.0	1000.000	180.0	H	34.0	32.4



Cooking Element #4



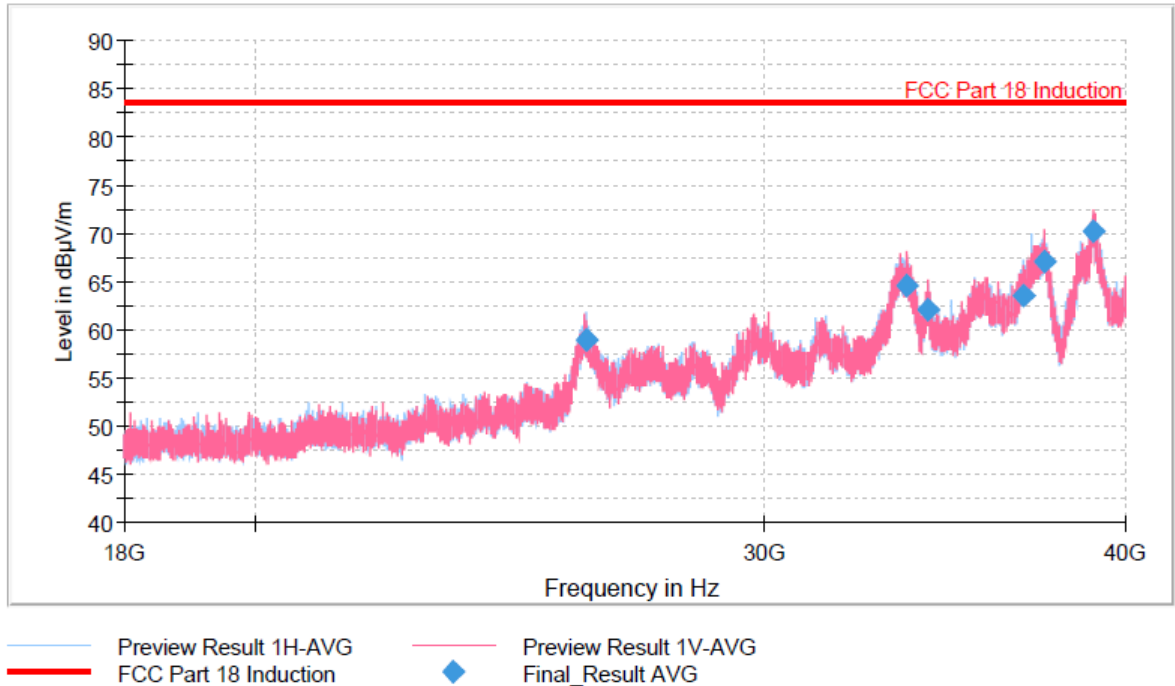
Final Result

Frequency (MHz)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
29701.2667	57.69	83.52	25.83	1000.0	1000.000	125.0	V	-11.0	18.1
33408.6000	65.49	83.52	18.03	1000.0	1000.000	125.0	H	-35.0	25.6
34169.4667	62.04	83.52	21.48	1000.0	1000.000	200.0	V	35.0	22.2
36920.8000	63.65	83.52	19.87	1000.0	1000.000	225.0	V	177.0	27.0
37488.5333	68.15	83.52	15.37	1000.0	1000.000	183.0	V	88.0	30.0
38953.6667	69.83	83.52	13.69	1000.0	1000.000	121.0	V	35.0	32.2



[AC 240V, 60 Hz]

Cooking Element #1

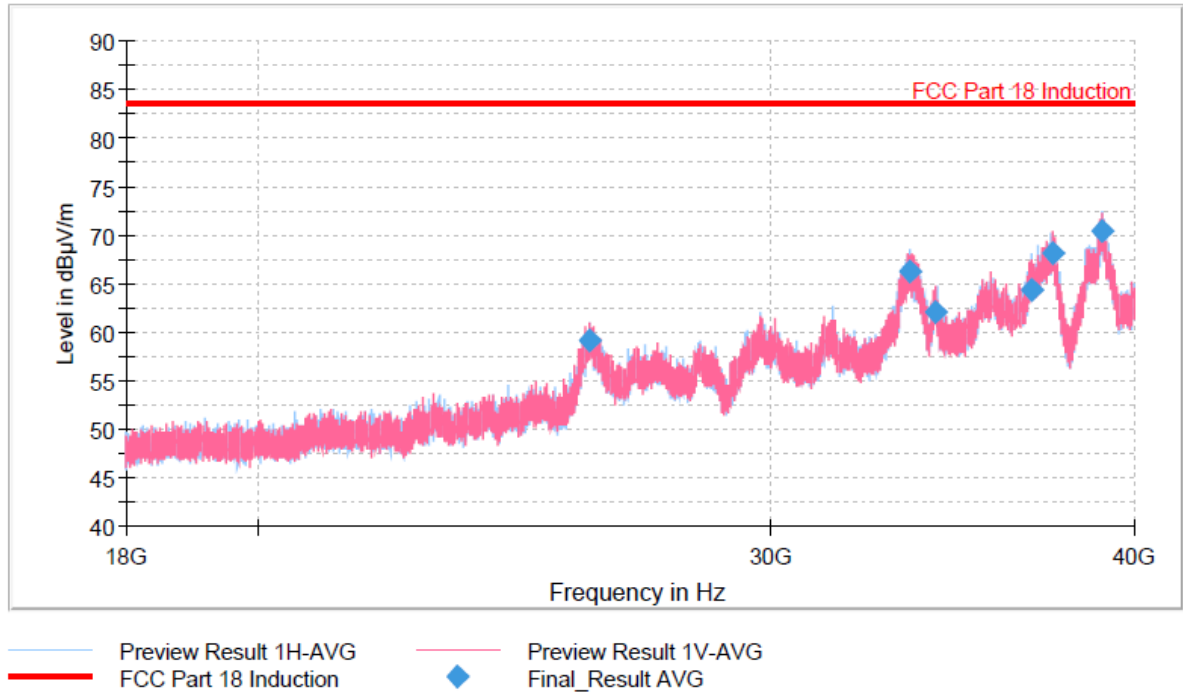


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
26022.2000	59.05	83.52	24.47	1000.0	1000.000	125.0	H	198.0	21.0
33627.1333	64.50	83.52	19.02	1000.0	1000.000	182.0	V	11.0	25.1
34185.8667	62.15	83.52	21.37	1000.0	1000.000	209.0	V	350.0	22.4
36898.0667	63.47	83.52	20.05	1000.0	1000.000	225.0	H	-35.0	26.8
37488.0667	67.07	83.52	16.45	1000.0	1000.000	225.0	V	322.0	30.0
38989.3333	70.18	83.52	13.34	1000.0	1000.000	125.0	V	325.0	32.5



Cooking Element #2

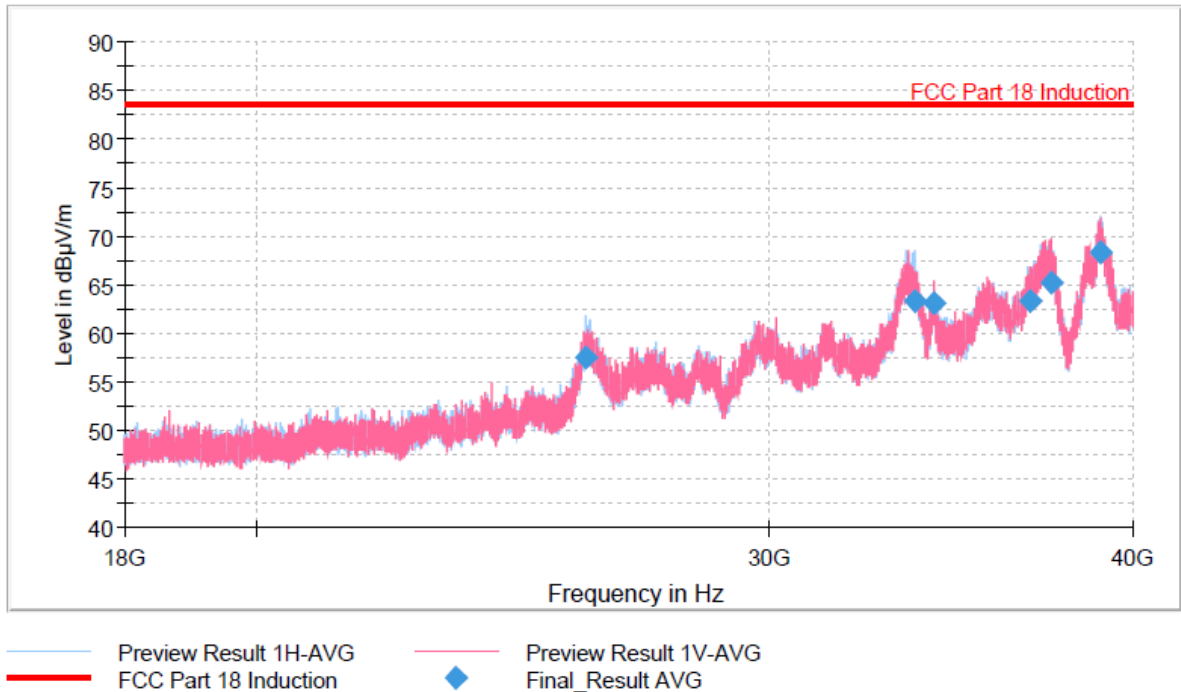


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
25996.9333	59.24	83.52	24.28	1000.0	1000.000	125.0	H	124.0	26.6
33479.3333	66.31	83.52	17.21	1000.0	1000.000	100.0	H	96.0	26.7
34202.4000	62.09	83.52	21.43	1000.0	1000.000	125.0	H	214.0	22.5
36870.6000	64.47	83.52	19.05	1000.0	1000.000	210.0	H	108.0	26.6
37499.1333	68.20	83.52	15.32	1000.0	1000.000	175.0	V	359.0	30.0
39000.1333	70.32	83.52	13.20	1000.0	1000.000	211.0	H	255.0	32.6



Cooking Element #3

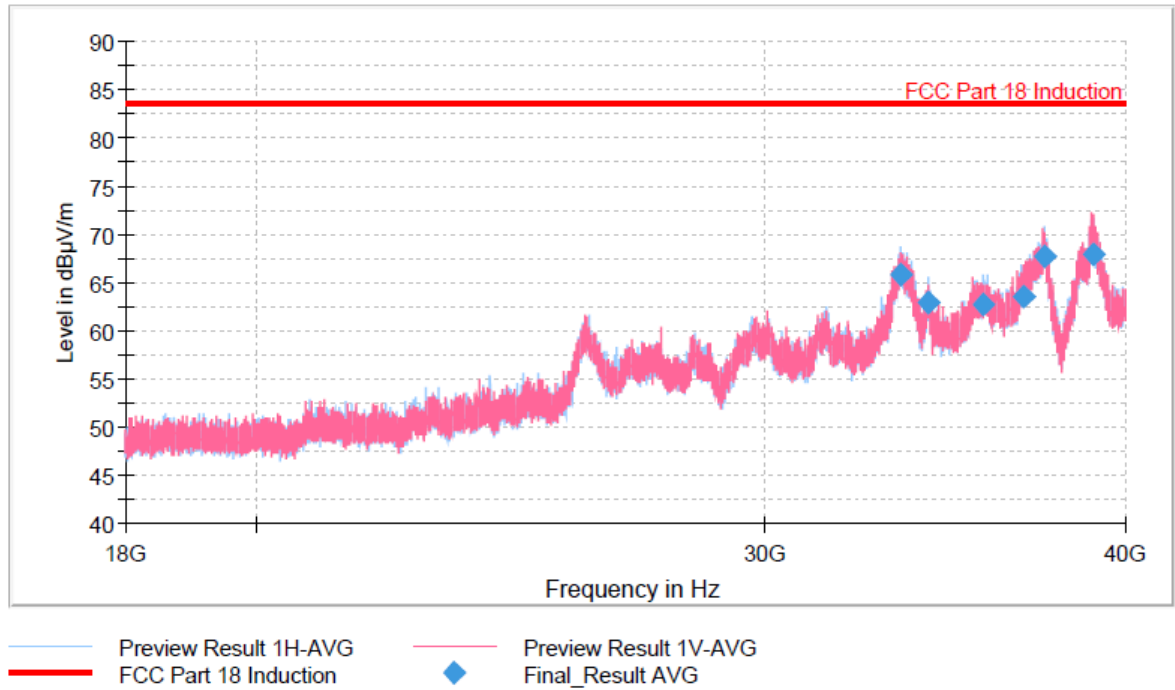


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
25960.0667	57.53	83.52	25.99	1000.0	1000.000	125.0	H	41.0	20.6
33672.8000	63.32	83.52	20.20	1000.0	1000.000	213.0	H	243.0	24.4
34182.3333	63.19	83.52	20.33	1000.0	1000.000	225.0	V	333.0	22.4
36873.1333	63.36	83.52	20.16	1000.0	1000.000	125.0	V	322.0	26.6
37499.6000	65.12	83.52	18.40	1000.0	1000.000	125.0	V	288.0	30.0
39000.6667	68.27	83.52	15.25	1000.0	1000.000	225.0	H	33.0	32.6



Cooking Element #4



Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
33424.6667	65.81	83.52	17.71	1000.0	1000.000	179.0	H	284.0	25.8
34193.3333	62.99	83.52	20.53	1000.0	1000.000	225.0	H	58.0	22.5
35709.0667	62.64	83.52	20.88	1000.0	1000.000	125.0	H	21.0	24.0
36897.5333	63.54	83.52	19.98	1000.0	1000.000	125.0	V	311.0	26.8
37535.6000	67.61	83.52	15.91	1000.0	1000.000	180.0	H	24.0	29.3
38968.4000	68.00	83.52	15.52	1000.0	1000.000	100.0	V	183.0	32.4



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 Distance Correction Factor (D.C.F.)

For 30 m: $40\log(30/10) = 19.08 \text{ dB}$

For 30 m: $40\log(30/3) = 40.00 \text{ dB}$

Note.3 Sample calculation

Field Strength = Reading – D.C.F

Margin = Limit – Field Strength

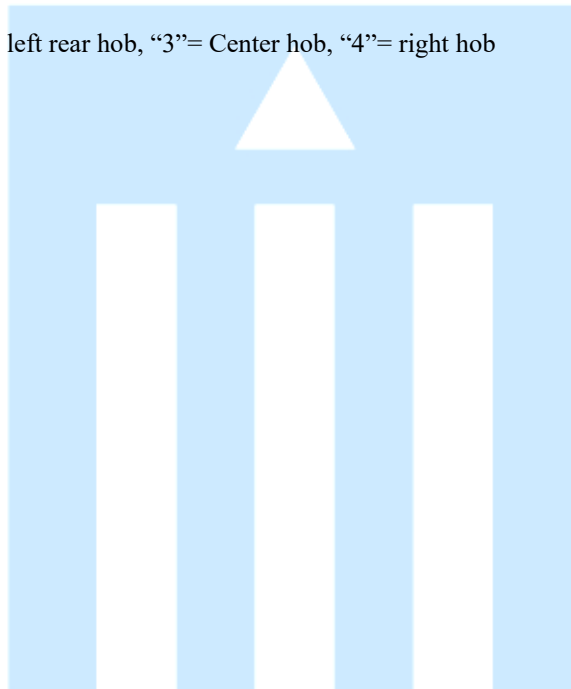
Where, D.C.F = Distance Correction Factor

Note.4 “V1”= Vertical and perpendicular to the centerline / “V2”=vertical and parallel to the centerline

“H” = horizontal (parallel to the ground)

Note.5 Cooking element

“1”= left front hob ,”2”= left rear hob, “3”= Center hob, “4”= right 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 ELECTRIC RANGE (Model Name:LTIS7338XE)** was complies with §18.305 and 18.307 of the FCC Rules.

- The end -

