

# ***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:** Apr. 08, 2026  
**Order Number:** GETEC-C1-25-950  
**Test Report Number:** GETEC-E3-25-106  
**Test Site:** GUMI UNIVERSITY EMC CENTER  
**CAB Designation Number:** KR0033

**FCC ID. :** 2BO3LQ50941KB

**Applicant:** LG Electronics Inc.

|                            |                                            |
|----------------------------|--------------------------------------------|
| <b>Rule Part(s)</b>        | <b>: FCC Part 18</b>                       |
| <b>Test Method</b>         | <b>: FCC/OET MP-5</b>                      |
| <b>EUT Type</b>            | <b>: HOUSEHOLD COOKTOP</b>                 |
| <b>Equipment Class</b>     | <b>: Part 18 Consumer Device(8CC)</b>      |
| <b>Type of Authority</b>   | <b>: Certification</b>                     |
| <b>Model Name</b>          | <b>: SKSIT3611GE</b>                       |
| <b>Variable Model Name</b> | <b>: SKSIT3611*E (Refer to clause 3.4)</b> |
| <b>Trade Mark</b>          | <b>: LG</b>                                |

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,**



**Sung Joo Park, Technical Manager**  
**GUMI UNIVERSITY EMC CENTER**



### Revision list

| Test Report No. | Issue Date    | Description                |
|-----------------|---------------|----------------------------|
| GETEC-E3-25-106 | Apr. 08, 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.** 2BO3LQ50941KB
- **EUT Type** HOUSEHOLD COOKTOP
- **Model Name** SKSIT3611GE
- **Variable Model Name** SKSIT3611\*E (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** Mar. 17, 2026 ~ Apr. 03, 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-E3-25-106
- **Dates of Issue** Apr. 08, 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: SKSIT3611GE)**.

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)

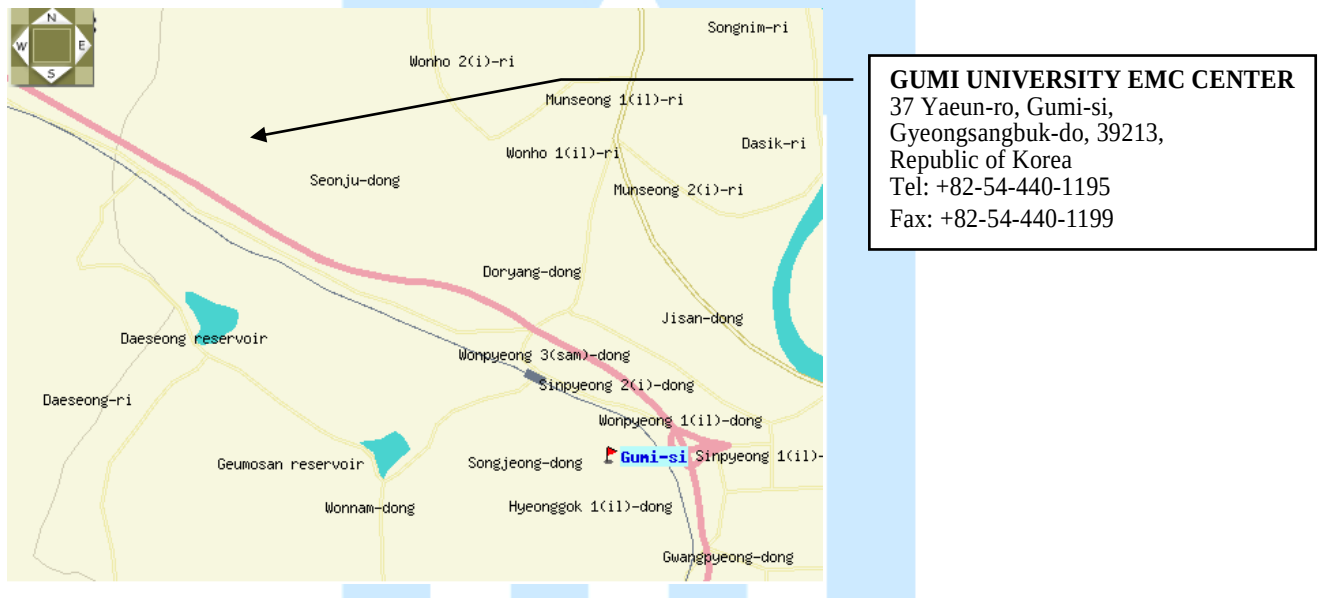


Fig 1. The map above shows the GUMI UNIVERSITY in vicinity area.



### 3. Product Information

#### 3.1 Description of EUT

The Equipment under Test (EUT) is the **HOUSEHOLD COOKTOP (Model Name: SKSIT3611GE)**  
**FCC ID.: 2BO3LQ50941KB**

| Models                       |                              | SKSIT3611GE                                                                                                                                                                                                                                                    |                                        |                                                                                                                           |
|------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Description                  |                              | Induction Cooktop                                                                                                                                                                                                                                              |                                        |                                                                                                                           |
| Electrical Specifications    | Connection voltage           | 240/208 VAC 60 Hz., 46.3 A / 43.3 A                                                                                                                                                                                                                            |                                        |                                                                                                                           |
|                              | Maximum connected power load | 11100 W / 9000 W                                                                                                                                                                                                                                               |                                        |                                                                                                                           |
| Cooktop Dimensions           |                              | 36 5/8" (930 mm) (W) × 4 1/8" (105 mm) (H) × 21 1/16" (535 mm) (D)                                                                                                                                                                                             |                                        |                                                                                                                           |
| Countertop Cutout Dimensions |                              | Standard Installation<br>33 7/8" (860 mm) - 33 15/16" (863 mm) (W) × 5 7/8" (149 mm) (H) × 19 1/8" (486 mm) - 19 3/16" (488 mm) (D)<br>Flush Installation<br>36 7/8" (936 mm) - 37" (939 mm) (W) × 6" (153 mm) (H) × 21 5/16" (541 mm) - 21 7/16" (544 mm) (D) |                                        |                                                                                                                           |
| Cooking Zones                |                              | Position                                                                                                                                                                                                                                                       | Size                                   | Power (Level 9 / Boost)                                                                                                   |
|                              |                              | Front Left                                                                                                                                                                                                                                                     | 8 1/2" x 7 1/8"<br>(216 mm x 180 mm)   | 1500/3000 W (208 V)<br>1850/3700 W (240 V)                                                                                |
|                              |                              | Front Right                                                                                                                                                                                                                                                    | 8 1/2" x 7 1/8"<br>(216 mm x 180 mm)   | 1500/3000 W (208 V)<br>1850/3700 W (240 V)                                                                                |
|                              |                              | Rear Left                                                                                                                                                                                                                                                      | 8 1/2" x 7 1/8"<br>(216 mm x 180 mm)   | 1500/3000 W (208 V)<br>1850/3700 W (240 V)                                                                                |
|                              |                              | Rear Right                                                                                                                                                                                                                                                     | 8 1/2" x 7 1/8"<br>(216 mm x 180 mm)   | 1500/3000 W (208 V)<br>1850/3700 W (240 V)                                                                                |
|                              |                              | Flex Left                                                                                                                                                                                                                                                      | 8 1/2" x 14 3/16"<br>(216 mm x 360 mm) | 2700/3000 W (208 V)<br>3300/3700 W (240 V)                                                                                |
|                              |                              | Flex Right                                                                                                                                                                                                                                                     | 8 1/2" x 14 3/16"<br>(216 mm x 360 mm) | 2700/3000 W (208 V)<br>3300/3700 W (240 V)                                                                                |
|                              |                              | Center                                                                                                                                                                                                                                                         | 11 1/8" / 7"<br>(283 mm / 178 mm)      | Inner Burner:<br>1500/3000 W (208 V)<br>1850/3700 W (240 V)<br>Dual Burner:<br>3000/5700 W (208 V)<br>3700/7000 W (240 V) |



#### RF Module Specifications

| Type                   | Operating Frequency Range | Output Power (Max.) |
|------------------------|---------------------------|---------------------|
| Wireless LAN           | 2400 MHz - 2472 MHz       | < 1 W               |
| Bluetooth <sup>†</sup> | 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: -<br>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 <sup>1)</sup> | LG Electronics Inc. | LCWB-002   | S/N: -<br>FCC ID.: BEJ-LCWB002 |

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 : SKSIT3611GE

Variable model : SKSIT3611\*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.

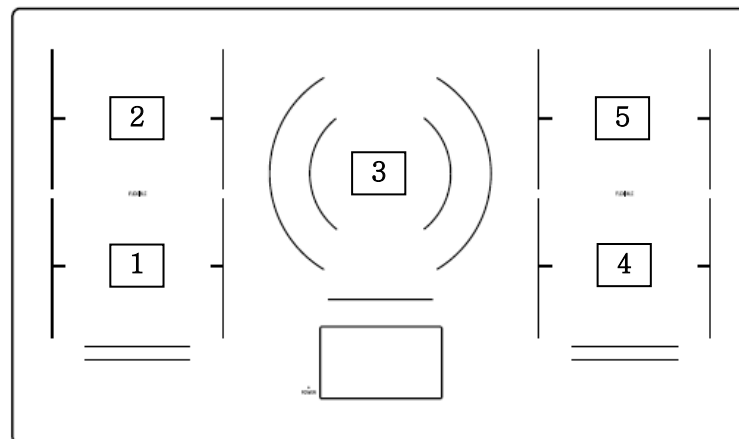
- Test Voltage / Frequency:
  - . AC 208 V / 60 Hz
  - . AC 240 V / 60 Hz
- Operating condition during the test(s) :
  - This device has been tested in the configurations of Induction mode with WLAN module operating.
  - Induction heating mode:** This device has been operated (boost mode) with an enameled 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” , “4” , “5”= 215 mm x 180 mm

“3”= 300 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.

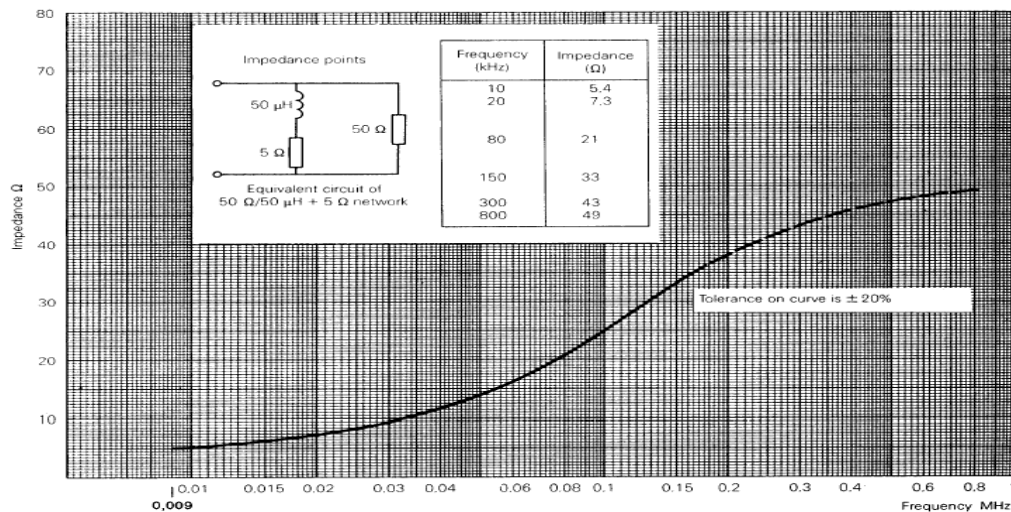


Fig 2. Impedance of LISN



## 6.1 Operating Environment

Temperature : 20.5 °C  
Relative Humidity : 27.8 %  
Air Pressure : 101.4 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(dB $\mu$ V) |          |
|-------------------------------------------------------------|-----------------------|----------|
| 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

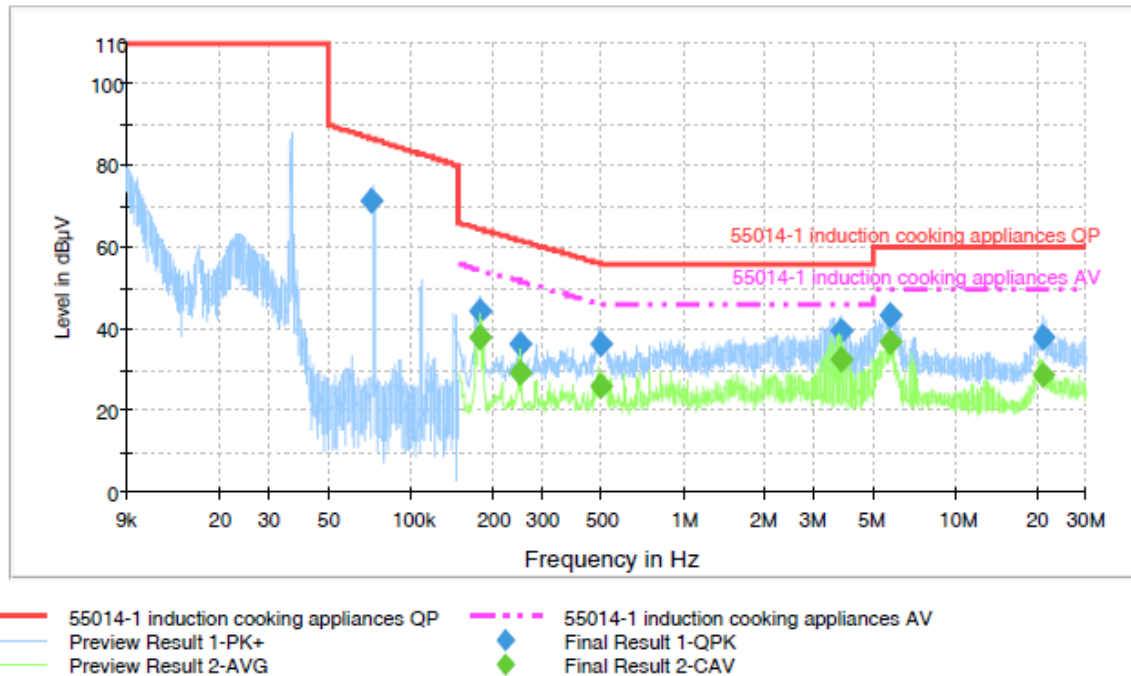
|                        |                                                         |
|------------------------|---------------------------------------------------------|
| - Test Date            | : Mar. 17, 2026                                         |
| - Resolution Bandwidth | : 200 Hz (9 kHz ~ 0.15 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

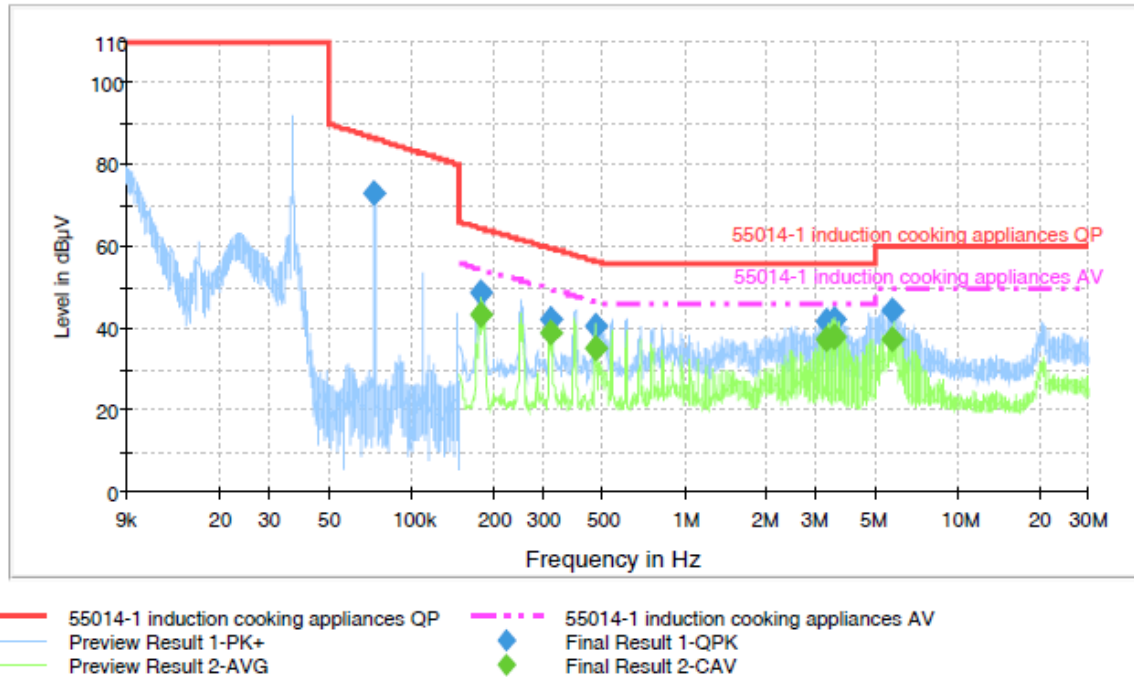
| Frequency (MHz) | QuasiPeak (dBμV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) | Comment |
|-----------------|------------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.071783        | 71.8             | 1000.0          | 0.200           | GND | L1   | 10.2       | 14.9        | 86.7         |         |
| 0.178000        | 44.6             | 1000.0          | 9.000           | GND | L2   | 10.2       | 20.0        | 64.6         |         |
| 0.249638        | 36.1             | 1000.0          | 9.000           | GND | L2   | 10.2       | 25.7        | 61.8         |         |
| 0.499288        | 36.4             | 1000.0          | 9.000           | GND | L1   | 10.2       | 19.6        | 56.0         |         |
| 3.766250        | 39.7             | 1000.0          | 9.000           | GND | L1   | 10.3       | 16.3        | 56.0         |         |
| 5.701250        | 43.3             | 1000.0          | 9.000           | GND | L2   | 10.4       | 16.7        | 60.0         |         |
| 20.838750       | 38.2             | 1000.0          | 9.000           | GND | L2   | 10.9       | 21.8        | 60.0         |         |

## Final Result 2

| Frequency (MHz) | CAverage (dBμV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) | Comment |
|-----------------|-----------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.178000        | 38.2            | 1000.0          | 9.000           | GND | L2   | 10.2       | 16.4        | 54.6         |         |
| 0.249638        | 29.3            | 1000.0          | 9.000           | GND | L2   | 10.2       | 22.5        | 51.8         |         |
| 0.499288        | 26.2            | 1000.0          | 9.000           | GND | L1   | 10.2       | 19.8        | 46.0         |         |
| 3.766250        | 32.7            | 1000.0          | 9.000           | GND | L1   | 10.3       | 13.3        | 46.0         |         |
| 5.701250        | 37.0            | 1000.0          | 9.000           | GND | L2   | 10.4       | 13.0        | 50.0         |         |
| 20.838750       | 28.9            | 1000.0          | 9.000           | GND | L2   | 10.9       | 21.1        | 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 |
|-----------------|------------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.072179        | 72.9             | 1000.0          | 0.200           | GND | L1   | 10.2       | 13.8        | 86.7         |         |
| 0.178000        | 48.6             | 1000.0          | 9.000           | GND | L2   | 10.2       | 16.0        | 64.6         |         |
| 0.322388        | 42.4             | 1000.0          | 9.000           | GND | L1   | 10.2       | 17.2        | 59.6         |         |
| 0.469462        | 40.7             | 1000.0          | 9.000           | GND | L2   | 10.2       | 15.8        | 56.5         |         |
| 3.308412        | 41.8             | 1000.0          | 9.000           | GND | L2   | 10.3       | 14.2        | 56.0         |         |
| 3.526662        | 42.3             | 1000.0          | 9.000           | GND | L2   | 10.3       | 13.7        | 56.0         |         |
| 5.785250        | 44.2             | 1000.0          | 9.000           | GND | L1   | 10.4       | 15.8        | 60.0         |         |

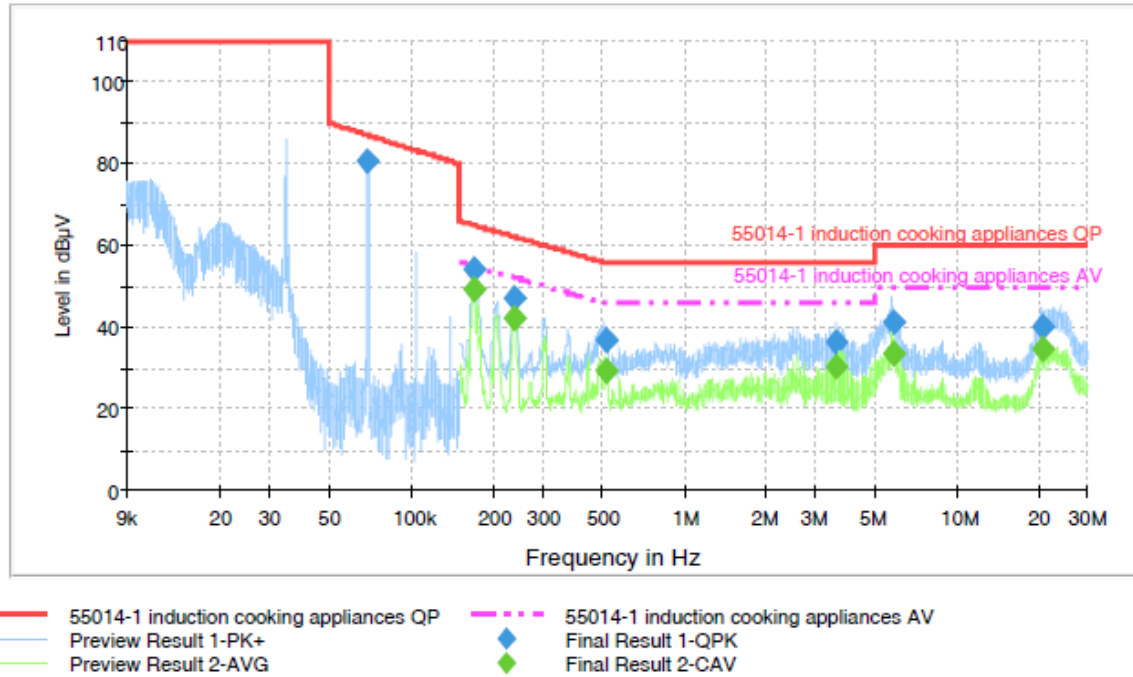
## Final Result 2

| Frequency (MHz) | CAverage (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|-----------------|-----------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.178000        | 43.5            | 1000.0          | 9.000           | GND | L2   | 10.2       | 11.1        | 54.6         |         |
| 0.322388        | 38.9            | 1000.0          | 9.000           | GND | L1   | 10.2       | 10.7        | 49.6         |         |
| 0.469462        | 35.4            | 1000.0          | 9.000           | GND | L2   | 10.2       | 11.1        | 46.5         |         |
| 3.308412        | 37.2            | 1000.0          | 9.000           | GND | L2   | 10.3       | 8.8         | 46.0         |         |
| 3.526662        | 37.8            | 1000.0          | 9.000           | GND | L2   | 10.3       | 8.2         | 46.0         |         |
| 5.785250        | 37.7            | 1000.0          | 9.000           | GND | L1   | 10.4       | 12.3        | 50.0         |         |





### Cooking element #3



### Final Result 1

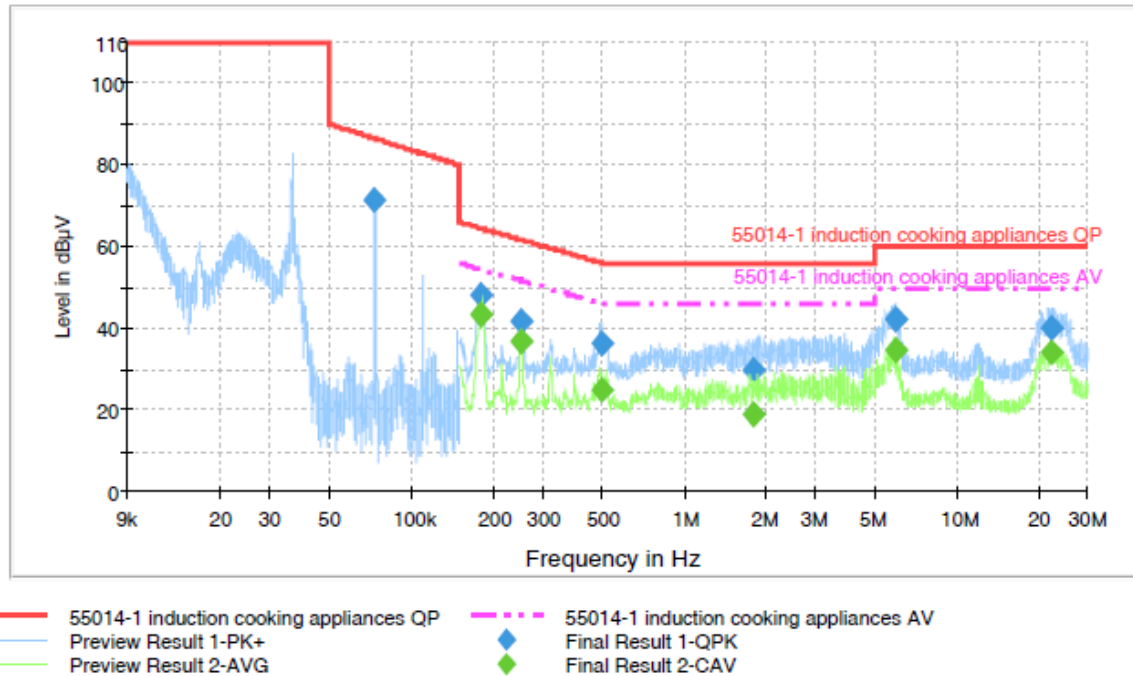
| Frequency (MHz) | QuasiPeak (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|-----------------|------------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.068489        | 80.5             | 1000.0          | 0.200           | GND | L1   | 10.2       | 6.6         | 87.1         |         |
| 0.170000        | 54.0             | 1000.0          | 9.000           | GND | L2   | 10.2       | 11.0        | 65.0         |         |
| 0.239088        | 46.9             | 1000.0          | 9.000           | GND | L2   | 10.2       | 15.2        | 62.1         |         |
| 0.511650        | 36.8             | 1000.0          | 9.000           | GND | L1   | 10.2       | 19.2        | 56.0         |         |
| 3.565825        | 36.3             | 1000.0          | 9.000           | GND | L2   | 10.3       | 19.7        | 56.0         |         |
| 5.807750        | 41.1             | 1000.0          | 9.000           | GND | L2   | 10.4       | 18.9        | 60.0         |         |
| 20.411750       | 40.3             | 1000.0          | 9.000           | GND | L1   | 10.9       | 19.7        | 60.0         |         |

### Final Result 2

| Frequency (MHz) | CAverage (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|-----------------|-----------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.170000        | 49.2            | 1000.0          | 9.000           | GND | L2   | 10.2       | 5.7         | 55.0         |         |
| 0.239088        | 42.2            | 1000.0          | 9.000           | GND | L2   | 10.2       | 9.9         | 52.1         |         |
| 0.511650        | 29.5            | 1000.0          | 9.000           | GND | L1   | 10.2       | 16.5        | 46.0         |         |
| 3.565825        | 30.3            | 1000.0          | 9.000           | GND | L2   | 10.3       | 15.7        | 46.0         |         |
| 5.807750        | 33.8            | 1000.0          | 9.000           | GND | L2   | 10.4       | 16.2        | 50.0         |         |
| 20.411750       | 34.6            | 1000.0          | 9.000           | GND | L1   | 10.9       | 15.4        | 50.0         |         |



#### Cooking element #4



#### Final Result 1

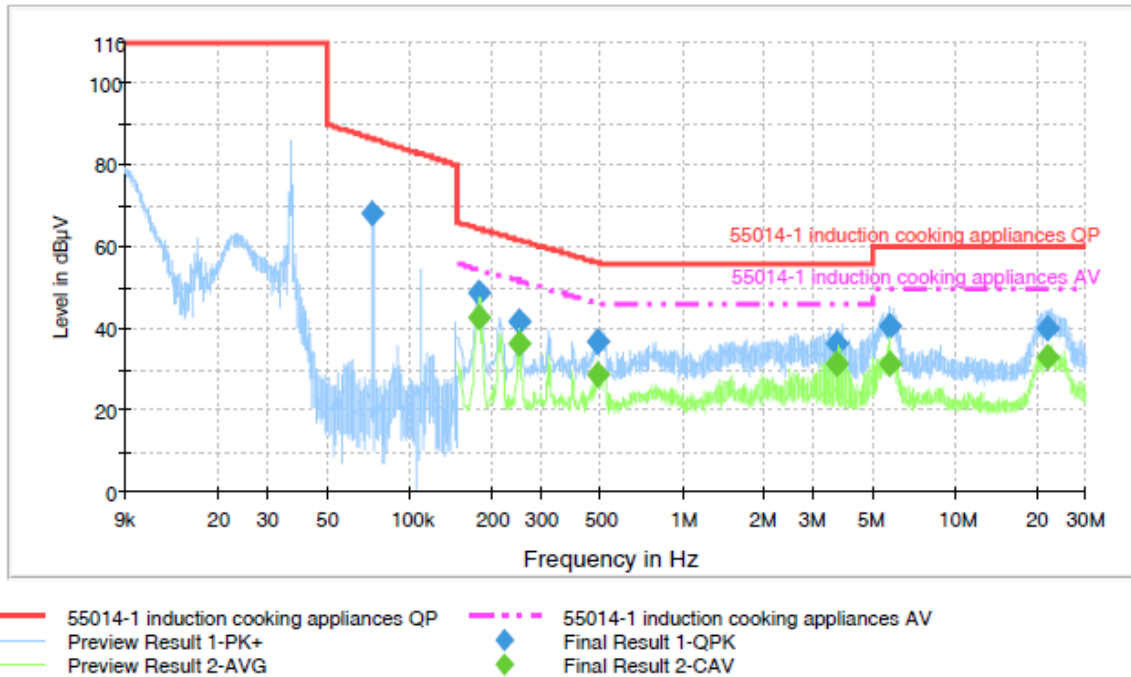
| Frequency (MHz) | QuasiPeak (dBμV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) | Comment |
|-----------------|------------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.072119        | 71.8             | 1000.0          | 0.200           | GND | L1   | 10.2       | 14.9        | 86.7         |         |
| 0.178000        | 48.3             | 1000.0          | 9.000           | GND | L2   | 10.2       | 16.3        | 64.6         |         |
| 0.252425        | 41.7             | 1000.0          | 9.000           | GND | L2   | 10.2       | 20.0        | 61.7         |         |
| 0.498925        | 36.1             | 1000.0          | 9.000           | GND | L1   | 10.2       | 19.9        | 56.0         |         |
| 1.797162        | 30.0             | 1000.0          | 9.000           | GND | L2   | 10.3       | 26.0        | 56.0         |         |
| 5.924750        | 42.5             | 1000.0          | 9.000           | GND | L2   | 10.4       | 17.5        | 60.0         |         |
| 22.083000       | 40.3             | 1000.0          | 9.000           | GND | L1   | 10.9       | 19.7        | 60.0         |         |

#### Final Result 2

| Frequency (MHz) | CAverage (dBμV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) | Comment |
|-----------------|-----------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.178000        | 43.4            | 1000.0          | 9.000           | GND | L2   | 10.2       | 11.2        | 54.6         |         |
| 0.252425        | 36.6            | 1000.0          | 9.000           | GND | L2   | 10.2       | 15.1        | 51.7         |         |
| 0.498925        | 24.7            | 1000.0          | 9.000           | GND | L1   | 10.2       | 21.3        | 46.0         |         |
| 1.797162        | 18.7            | 1000.0          | 9.000           | GND | L2   | 10.3       | 27.3        | 46.0         |         |
| 5.924750        | 34.8            | 1000.0          | 9.000           | GND | L2   | 10.4       | 15.2        | 50.0         |         |
| 22.083000       | 33.9            | 1000.0          | 9.000           | GND | L1   | 10.9       | 16.1        | 50.0         |         |



### Cooking element #5



### Final Result 1

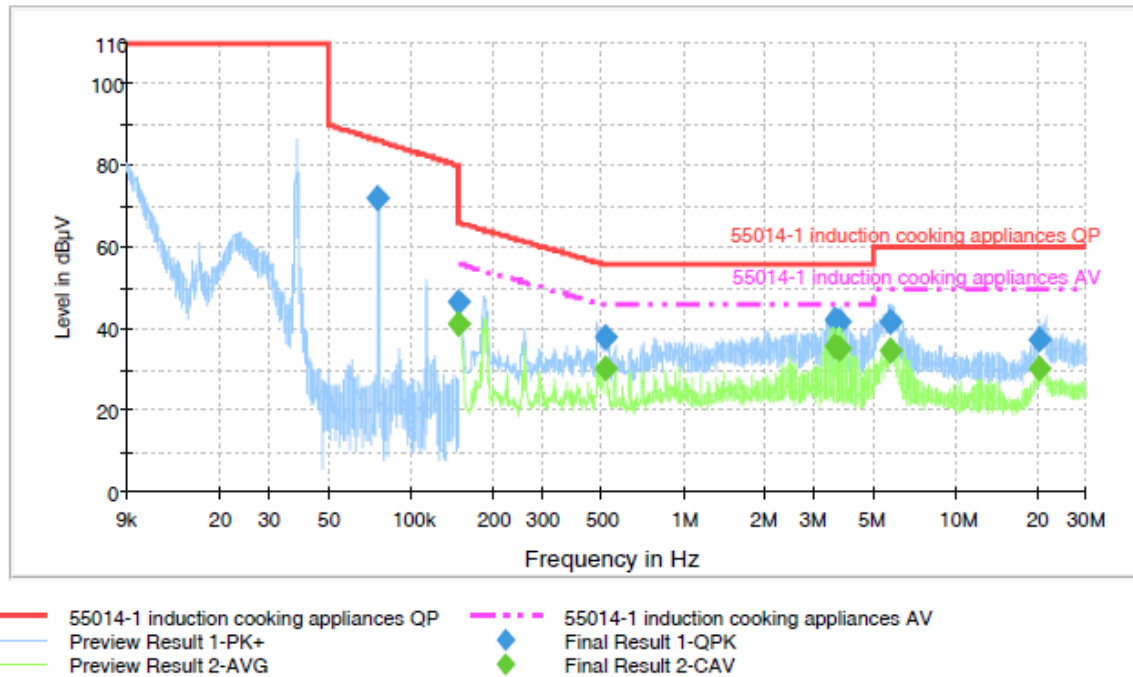
| Frequency (MHz) | QuasiPeak (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|-----------------|------------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.072118        | 68.3             | 1000.0          | 0.200           | GND | L1   | 10.2       | 18.4        | 86.7         |         |
| 0.178000        | 48.7             | 1000.0          | 9.000           | GND | L2   | 10.2       | 15.9        | 64.6         |         |
| 0.252425        | 41.7             | 1000.0          | 9.000           | GND | L2   | 10.2       | 20.0        | 61.7         |         |
| 0.490075        | 37.0             | 1000.0          | 9.000           | GND | L2   | 10.2       | 19.2        | 56.2         |         |
| 3.666100        | 36.2             | 1000.0          | 9.000           | GND | L1   | 10.3       | 19.8        | 56.0         |         |
| 5.737750        | 40.4             | 1000.0          | 9.000           | GND | L2   | 10.4       | 19.6        | 60.0         |         |
| 21.774250       | 40.3             | 1000.0          | 9.000           | GND | L1   | 10.9       | 19.7        | 60.0         |         |

### Final Result 2

| Frequency (MHz) | CAverage (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|-----------------|-----------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.178000        | 42.9            | 1000.0          | 9.000           | GND | L2   | 10.2       | 11.7        | 54.6         |         |
| 0.252425        | 36.1            | 1000.0          | 9.000           | GND | L2   | 10.2       | 15.6        | 51.7         |         |
| 0.490075        | 28.6            | 1000.0          | 9.000           | GND | L2   | 10.2       | 17.6        | 46.2         |         |
| 3.666100        | 31.2            | 1000.0          | 9.000           | GND | L1   | 10.3       | 14.8        | 46.0         |         |
| 5.737750        | 31.7            | 1000.0          | 9.000           | GND | L2   | 10.4       | 18.3        | 50.0         |         |
| 21.774250       | 33.0            | 1000.0          | 9.000           | GND | L1   | 10.9       | 17.0        | 50.0         |         |



AC 240 V / 60 Hz  
Cooking element #1



## Final Result 1

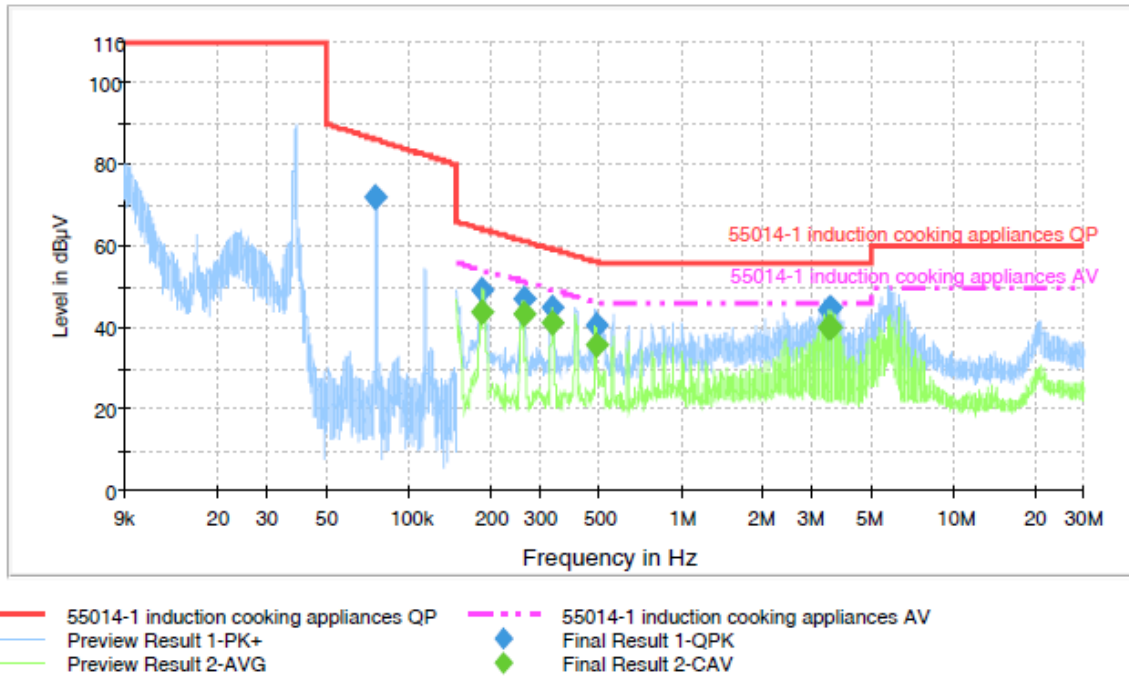
| Frequency (MHz) | QuasiPeak (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|-----------------|------------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.074646        | 72.3             | 1000.0          | 0.200           | GND | L1   | 10.2       | 14.1        | 86.4         |         |
| 0.150000        | 46.5             | 1000.0          | 9.000           | GND | L2   | 10.2       | 33.5        | 80.0         |         |
| 0.514438        | 37.8             | 1000.0          | 9.000           | GND | L1   | 10.2       | 18.2        | 56.0         |         |
| 3.584750        | 42.0             | 1000.0          | 9.000           | GND | L2   | 10.3       | 14.0        | 56.0         |         |
| 3.734738        | 41.5             | 1000.0          | 9.000           | GND | L2   | 10.3       | 14.5        | 56.0         |         |
| 5.715250        | 41.9             | 1000.0          | 9.000           | GND | L2   | 10.4       | 18.1        | 60.0         |         |
| 20.303500       | 37.5             | 1000.0          | 9.000           | GND | L1   | 10.9       | 22.5        | 60.0         |         |

## Final Result 2

| Frequency (MHz) | CAverage (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|-----------------|-----------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.150000        | 40.9            | 1000.0          | 9.000           | GND | L2   | 10.2       | 15.1        | 56.0         |         |
| 0.514438        | 30.4            | 1000.0          | 9.000           | GND | L1   | 10.2       | 15.6        | 46.0         |         |
| 3.584750        | 35.7            | 1000.0          | 9.000           | GND | L2   | 10.3       | 10.3        | 46.0         |         |
| 3.734738        | 35.3            | 1000.0          | 9.000           | GND | L2   | 10.3       | 10.7        | 46.0         |         |
| 5.715250        | 34.9            | 1000.0          | 9.000           | GND | L2   | 10.4       | 15.1        | 50.0         |         |
| 20.303500       | 30.3            | 1000.0          | 9.000           | GND | L1   | 10.9       | 19.7        | 50.0         |         |



## Cooking element #2



## Final Result 1

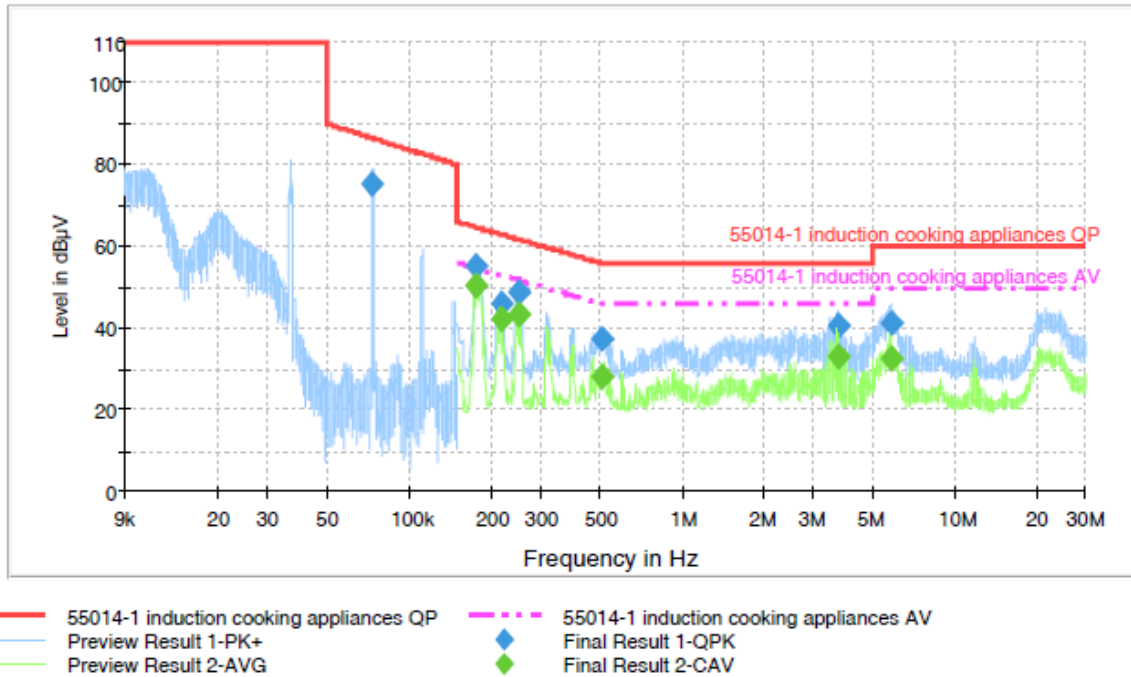
| Frequency (MHz) | QuasiPeak (dBμV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) | Comment |
|-----------------|------------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.074768        | 71.9             | 1000.0          | 0.200           | GND | L1   | 10.2       | 14.4        | 86.3         |         |
| 0.186000        | 49.1             | 1000.0          | 9.000           | GND | L2   | 10.2       | 15.1        | 64.2         |         |
| 0.263338        | 47.2             | 1000.0          | 9.000           | GND | L2   | 10.2       | 14.1        | 61.3         |         |
| 0.334512        | 44.9             | 1000.0          | 9.000           | GND | L2   | 10.2       | 14.4        | 59.3         |         |
| 0.484862        | 40.9             | 1000.0          | 9.000           | GND | L2   | 10.2       | 15.4        | 56.3         |         |
| 3.436088        | 44.5             | 1000.0          | 9.000           | GND | L2   | 10.3       | 11.5        | 56.0         |         |
| 3.512488        | 45.0             | 1000.0          | 9.000           | GND | L2   | 10.3       | 11.0        | 56.0         |         |

## Final Result 2

| Frequency (MHz) | CAverage (dBμV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBμV) | Comment |
|-----------------|-----------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.186000        | 44.1            | 1000.0          | 9.000           | GND | L2   | 10.2       | 10.1        | 54.2         |         |
| 0.263338        | 43.3            | 1000.0          | 9.000           | GND | L2   | 10.2       | 8.0         | 51.3         |         |
| 0.334512        | 41.0            | 1000.0          | 9.000           | GND | L2   | 10.2       | 8.3         | 49.3         |         |
| 0.484862        | 35.7            | 1000.0          | 9.000           | GND | L2   | 10.2       | 10.6        | 46.3         |         |
| 3.436088        | 40.0            | 1000.0          | 9.000           | GND | L2   | 10.3       | 6.0         | 46.0         |         |
| 3.512488        | 40.3            | 1000.0          | 9.000           | GND | L2   | 10.3       | 5.7         | 46.0         |         |



### Cooking element #3



### Final Result 1

| Frequency (MHz) | QuasiPeak (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|-----------------|------------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.072935        | 75.5             | 1000.0          | 0.200           | GND | L1   | 10.2       | 11.1        | 86.6         |         |
| 0.176050        | 55.4             | 1000.0          | 9.000           | GND | L2   | 10.2       | 9.3         | 64.7         |         |
| 0.215256        | 45.9             | 1000.0          | 9.000           | GND | L2   | 10.2       | 17.1        | 63.0         |         |
| 0.248788        | 48.7             | 1000.0          | 9.000           | GND | L2   | 10.2       | 13.1        | 61.8         |         |
| 0.509838        | 37.5             | 1000.0          | 9.000           | GND | L2   | 10.2       | 18.5        | 56.0         |         |
| 3.701975        | 40.7             | 1000.0          | 9.000           | GND | L2   | 10.3       | 15.3        | 56.0         |         |
| 5.846750        | 41.3             | 1000.0          | 9.000           | GND | L2   | 10.4       | 18.7        | 60.0         |         |

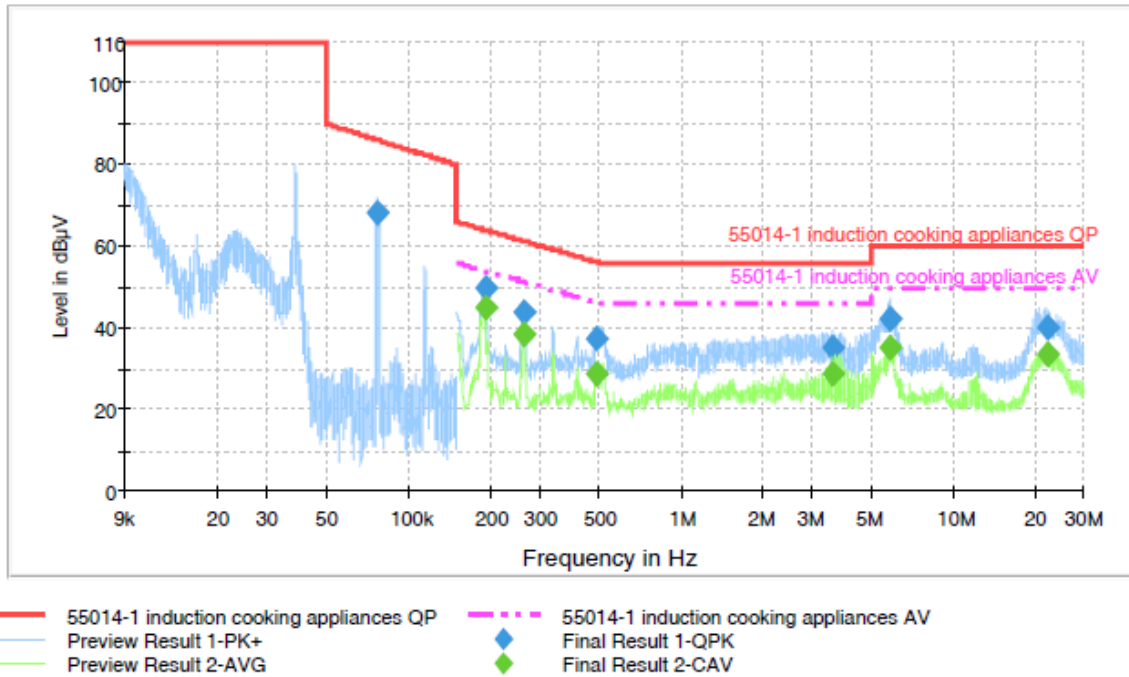
### Final Result 2

| Frequency (MHz) | CAverage (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|-----------------|-----------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.176050        | 50.6            | 1000.0          | 9.000           | GND | L2   | 10.2       | 4.1         | 54.7         |         |
| 0.215256        | 42.0            | 1000.0          | 9.000           | GND | L2   | 10.2       | 11.0        | 53.0         |         |
| 0.248788        | 43.6            | 1000.0          | 9.000           | GND | L2   | 10.2       | 8.2         | 51.8         |         |
| 0.509838        | 28.4            | 1000.0          | 9.000           | GND | L2   | 10.2       | 17.6        | 46.0         |         |
| 3.701975        | 32.9            | 1000.0          | 9.000           | GND | L2   | 10.3       | 13.1        | 46.0         |         |
| 5.846750        | 32.3            | 1000.0          | 9.000           | GND | L2   | 10.4       | 17.7        | 50.0         |         |





#### Cooking element #4



#### Final Result 1

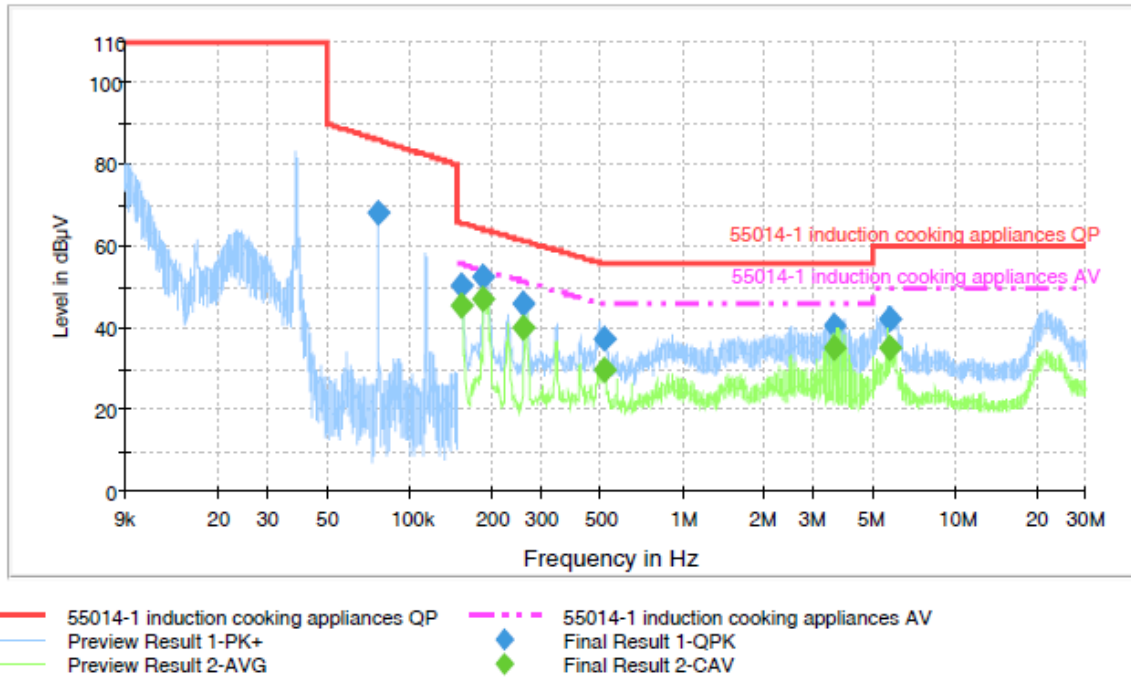
| Frequency (MHz) | QuasiPeak (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|-----------------|------------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.076028        | 68.2             | 1000.0          | 0.200           | GND | L2   | 10.2       | 18.0        | 86.2         |         |
| 0.190000        | 49.8             | 1000.0          | 9.000           | GND | L2   | 10.2       | 14.2        | 64.0         |         |
| 0.262975        | 43.7             | 1000.0          | 9.000           | GND | L2   | 10.2       | 17.6        | 61.3         |         |
| 0.492138        | 37.2             | 1000.0          | 9.000           | GND | L2   | 10.2       | 18.9        | 56.1         |         |
| 3.612738        | 35.3             | 1000.0          | 9.000           | GND | L1   | 10.3       | 20.7        | 56.0         |         |
| 5.818500        | 42.0             | 1000.0          | 9.000           | GND | L1   | 10.4       | 18.0        | 60.0         |         |
| 21.918000       | 40.1             | 1000.0          | 9.000           | GND | L1   | 10.9       | 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 |
|-----------------|-----------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.190000        | 44.9            | 1000.0          | 9.000           | GND | L2   | 10.2       | 9.1         | 54.0         |         |
| 0.262975        | 38.6            | 1000.0          | 9.000           | GND | L2   | 10.2       | 12.7        | 51.3         |         |
| 0.492138        | 28.5            | 1000.0          | 9.000           | GND | L2   | 10.2       | 17.6        | 46.1         |         |
| 3.612738        | 28.8            | 1000.0          | 9.000           | GND | L1   | 10.3       | 17.2        | 46.0         |         |
| 5.818500        | 35.4            | 1000.0          | 9.000           | GND | L1   | 10.4       | 14.6        | 50.0         |         |
| 21.918000       | 33.4            | 1000.0          | 9.000           | GND | L1   | 10.9       | 16.6        | 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 |
|-----------------|------------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.076353        | 68.1             | 1000.0          | 0.200           | GND | L2   | 10.2       | 18.0        | 86.1         |         |
| 0.153656        | 50.6             | 1000.0          | 9.000           | GND | L1   | 10.2       | 15.2        | 65.8         |         |
| 0.186000        | 52.8             | 1000.0          | 9.000           | GND | L2   | 10.2       | 11.4        | 64.2         |         |
| 0.261400        | 45.9             | 1000.0          | 9.000           | GND | L1   | 10.2       | 15.5        | 61.4         |         |
| 0.512138        | 37.6             | 1000.0          | 9.000           | GND | L1   | 10.2       | 18.4        | 56.0         |         |
| 3.600862        | 40.8             | 1000.0          | 9.000           | GND | L1   | 10.3       | 15.2        | 56.0         |         |
| 5.721500        | 42.3             | 1000.0          | 9.000           | GND | L2   | 10.4       | 17.7        | 60.0         |         |

### Final Result 2

| Frequency (MHz) | CAverage (dBµV) | Meas. Time (ms) | Bandwidth (kHz) | PE  | Line | Corr. (dB) | Margin (dB) | Limit (dBµV) | Comment |
|-----------------|-----------------|-----------------|-----------------|-----|------|------------|-------------|--------------|---------|
| 0.153656        | 45.6            | 1000.0          | 9.000           | GND | L1   | 10.2       | 10.2        | 55.8         |         |
| 0.186000        | 47.0            | 1000.0          | 9.000           | GND | L2   | 10.2       | 7.2         | 54.2         |         |
| 0.261400        | 40.4            | 1000.0          | 9.000           | GND | L1   | 10.2       | 11.0        | 51.4         |         |
| 0.512138        | 29.8            | 1000.0          | 9.000           | GND | L1   | 10.2       | 16.2        | 46.0         |         |
| 3.600862        | 35.0            | 1000.0          | 9.000           | GND | L1   | 10.3       | 11.0        | 46.0         |         |
| 5.721500        | 35.1            | 1000.0          | 9.000           | GND | L2   | 10.4       | 14.9        | 50.0         |         |





## 7. Radiated Emission

### 7.1 Operating Environment

Temperature : 21.1 °C  
Relative Humidity : 30.3 %  
Air Pressure : 100.8 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.

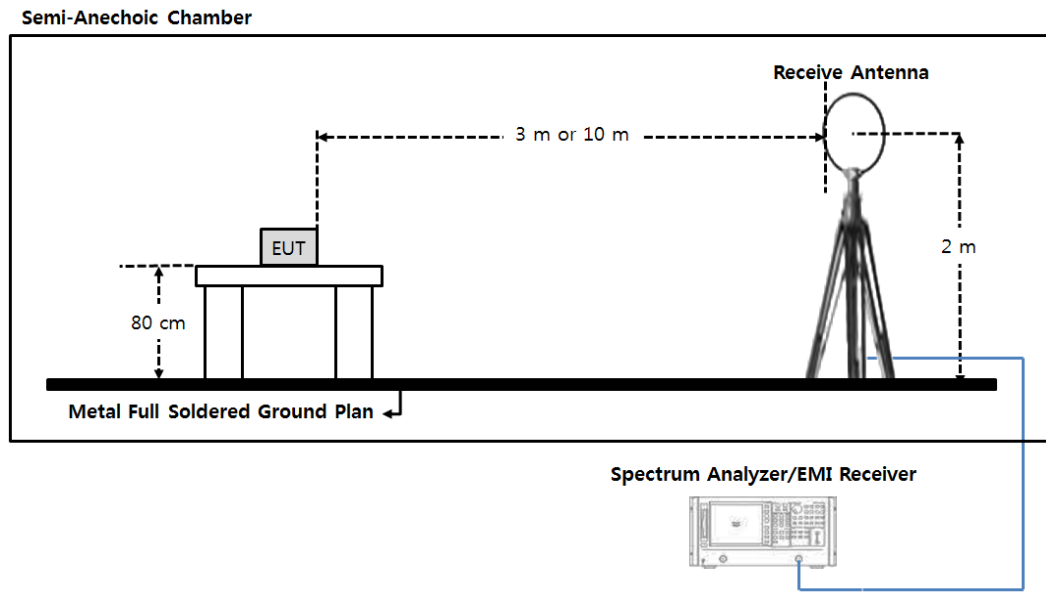


Fig 3. Configurations of Radiated emission test (9 kHz to 30 MHz)

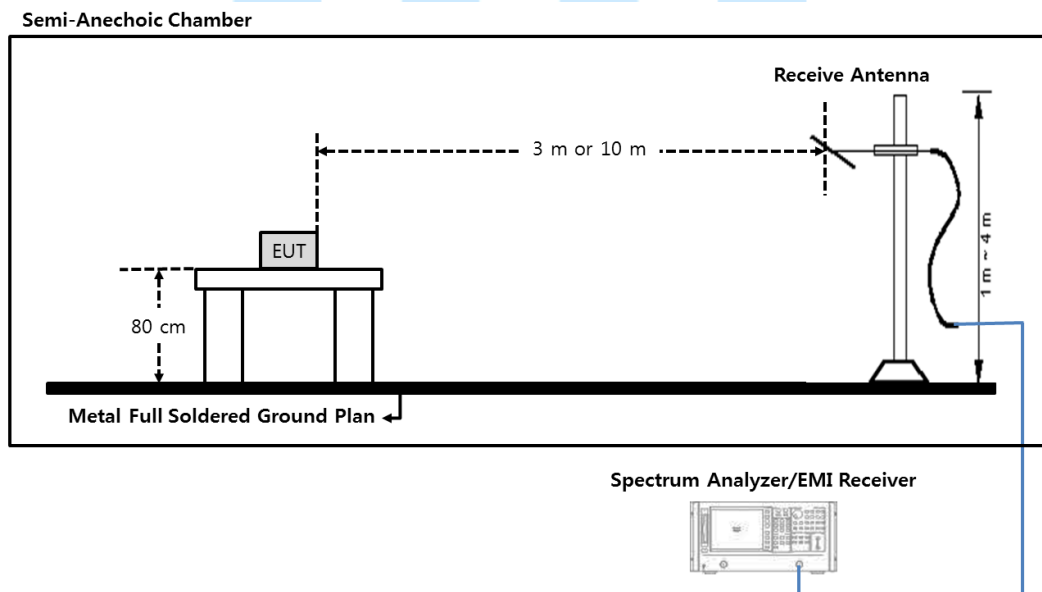


Fig 4. Configurations of Radiated emission test (30 MHz to 1 000 MHz)



### 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<br>500 or more                | 25<br>$25 \times \text{SQRT}(\text{power}/500)$                                                   | 300<br><sup>1</sup> 300            |
|                                                     | Any non-ISM frequency                      | Below 500<br>500 or more                | 15<br>$15 \times \text{SQRT}(\text{power}/500)$                                                   | 300<br><sup>1</sup> 300            |
| Industrial heaters and RF stabilized arc welders    | On or below 5,725 MHz<br>Above 5,725 MHz   | Any<br>Any                              | 10<br>( <sup>2</sup> )                                                                            | 1,600<br>( <sup>2</sup> )          |
| Medical diathermy                                   | Any ISM frequency<br>Any non-ISM frequency | Any<br>Any                              | 25<br>15                                                                                          | 300<br>300                         |
| Ultrasonic                                          | Below 490 kHz                              | Below 500<br>500 or more                | $2,400/\text{F}(\text{kHz})$<br>$2,400/\text{F}(\text{kHz}) \times \text{SQRT}(\text{power}/500)$ | 300<br><sup>3</sup> 300            |
|                                                     | 490 to 1,600 kHz<br>Above 1,600 kHz        | Any<br>Any                              | $24,000/\text{F}(\text{kHz})$<br>15                                                               | 30<br>30                           |
| Induction cooking ranges                            | Below 90 kHz<br>On or above 90 kHz         | Any<br>Any                              | 1,500<br>300                                                                                      | <sup>4</sup> 30<br><sup>4</sup> 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. 01, 2026    |
| ■ - HFH2-Z2      | Rohde & Schwarz   | Loop ANT            | 100041                    | Apr. 15, 2024    |
| ■ - CO3000       | Innco system GmbH | Position Controller | CO3000/779/330<br>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 : Apr. 03, 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.

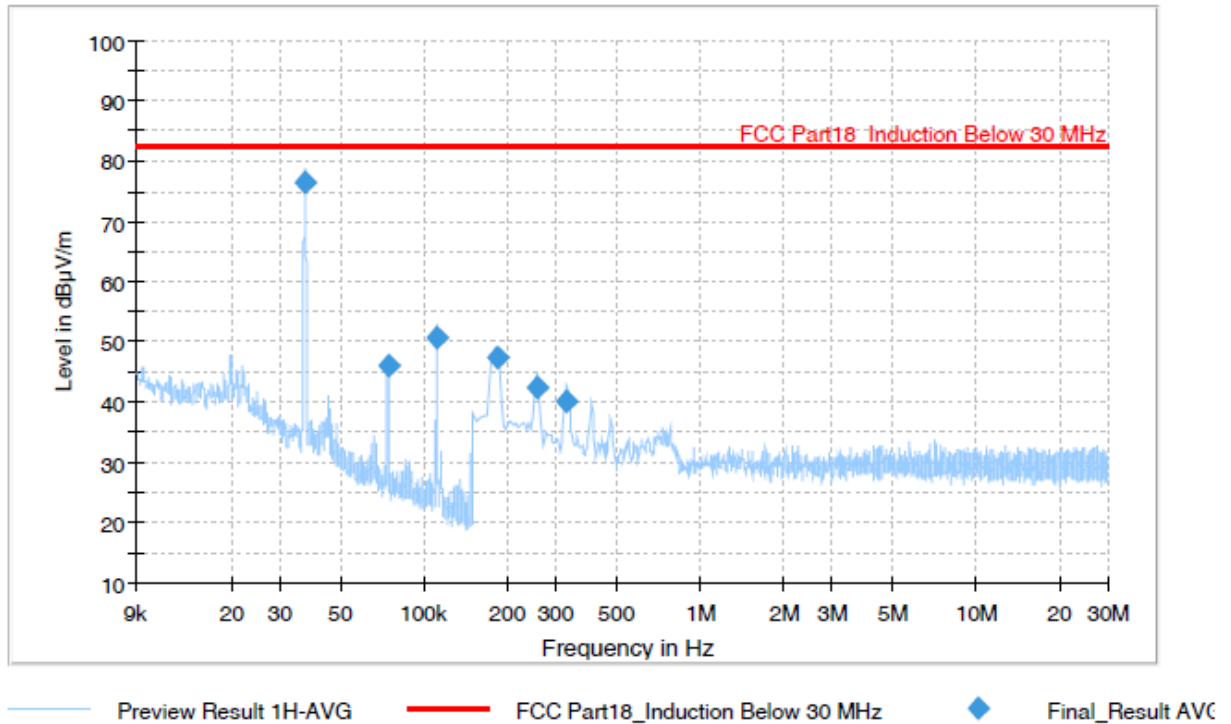
#### -. Measurement setting

|                      |                 |                   |
|----------------------|-----------------|-------------------|
| 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

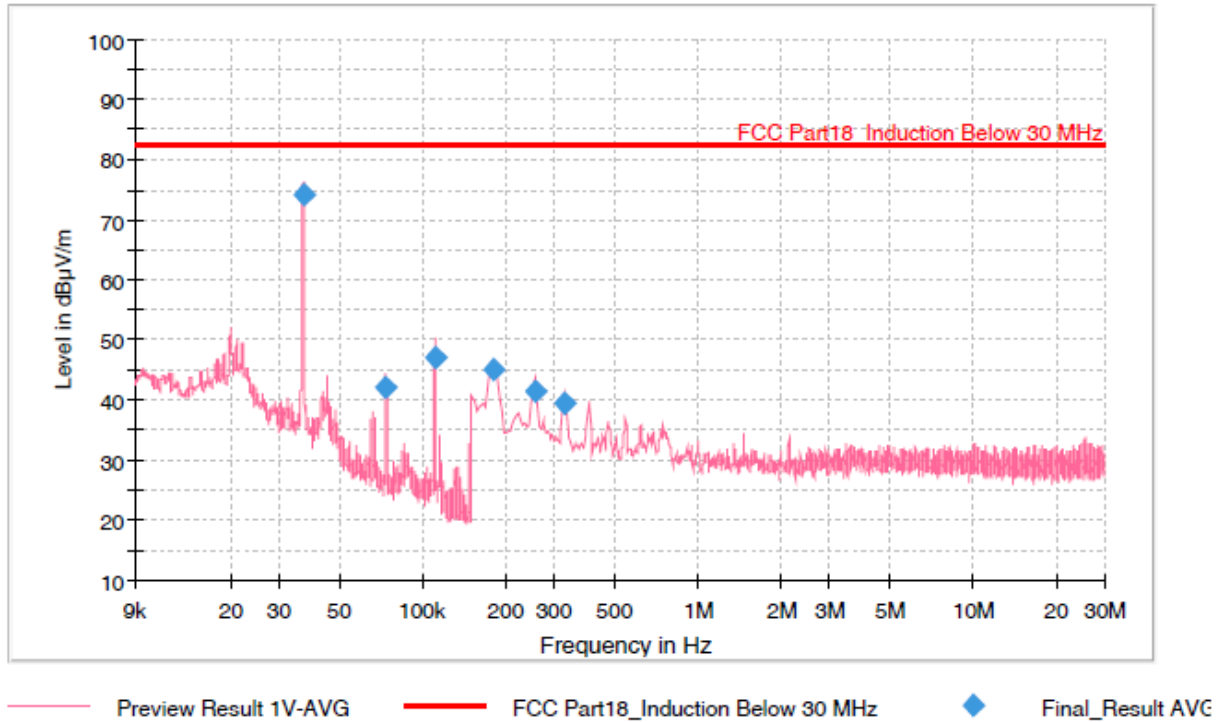


## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.036953        | 76.60            | 82.60          | 6.00        | 1000.0          | 0.200           | H   | 249.0         | 20.1         |
| 0.074019        | 45.93            | 82.60          | 36.67       | 1000.0          | 0.200           | H   | 314.0         | 20.0         |
| 0.110837        | 50.80            | 82.60          | 31.80       | 1000.0          | 0.200           | H   | 249.0         | 20.0         |
| 0.183581        | 47.34            | 82.60          | 35.26       | 1000.0          | 9.000           | H   | 267.0         | 19.9         |
| 0.254475        | 42.27            | 82.60          | 40.33       | 1000.0          | 9.000           | H   | 279.0         | 19.8         |
| 0.329100        | 40.02            | 82.60          | 42.58       | 1000.0          | 9.000           | H   | 249.0         | 19.8         |



### Cooking Element #1\_V

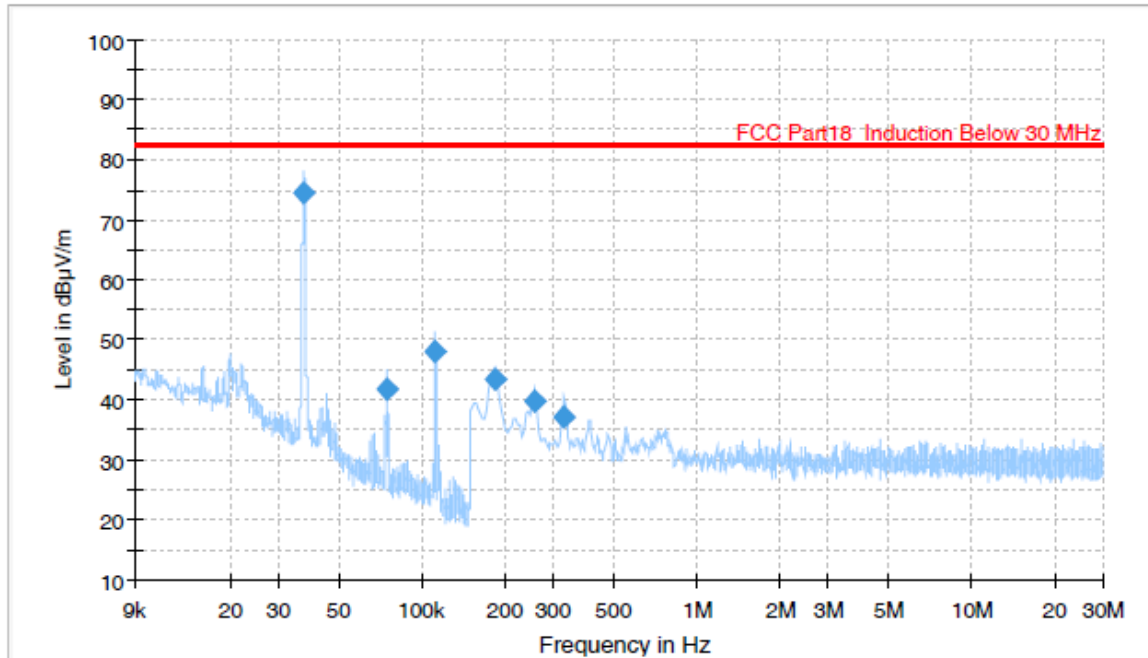


### Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.036978        | 74.29            | 82.60          | 8.31        | 1000.0          | 0.200           | V   | 329.0         | 20.1         |
| 0.072795        | 42.16            | 82.60          | 40.44       | 1000.0          | 0.200           | V   | 241.0         | 20.0         |
| 0.110302        | 47.06            | 82.60          | 35.54       | 1000.0          | 0.200           | V   | 184.0         | 20.0         |
| 0.179850        | 45.12            | 82.60          | 37.48       | 1000.0          | 9.000           | V   | 315.0         | 19.9         |
| 0.254475        | 41.35            | 82.60          | 41.25       | 1000.0          | 9.000           | V   | 306.0         | 19.9         |
| 0.329100        | 39.30            | 82.60          | 43.30       | 1000.0          | 9.000           | V   | 190.0         | 19.8         |



## Cooking Element #2\_H



Preview Result 1H-AVG FCC Part18\_Induction Below 30 MHz Final\_Result AVC

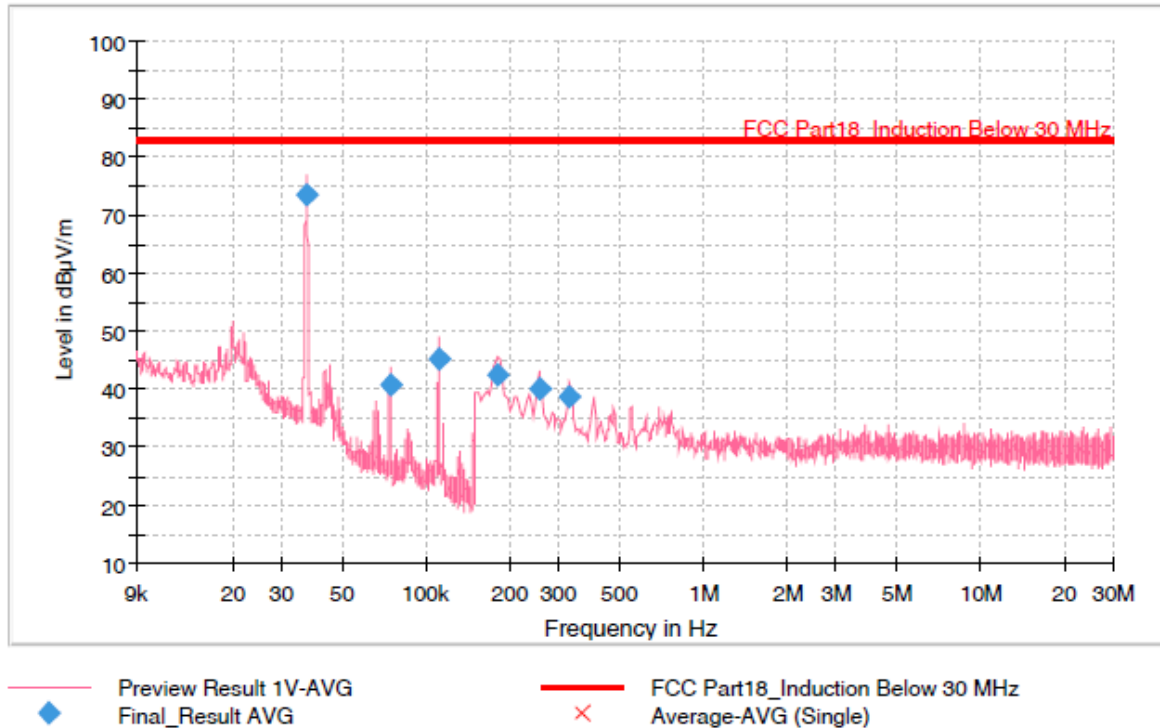
## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.037235        | 74.56            | 82.60          | 8.04        | 1000.0          | 0.200           | H   | 249.0         | 20.1         |
| 0.074512        | 41.88            | 82.60          | 40.72       | 1000.0          | 0.200           | H   | 164.0         | 20.0         |
| 0.111477        | 48.03            | 82.60          | 34.57       | 1000.0          | 0.200           | H   | 297.0         | 20.0         |
| 0.183581        | 43.37            | 82.60          | 39.23       | 1000.0          | 9.000           | H   | 302.0         | 19.9         |
| 0.258200        | 39.84            | 82.60          | 42.76       | 1000.0          | 9.000           | H   | 198.0         | 19.8         |
| 0.325369        | 37.06            | 82.60          | 45.54       | 1000.0          | 9.000           | H   | 190.0         | 19.8         |





## Cooking Element #2\_V

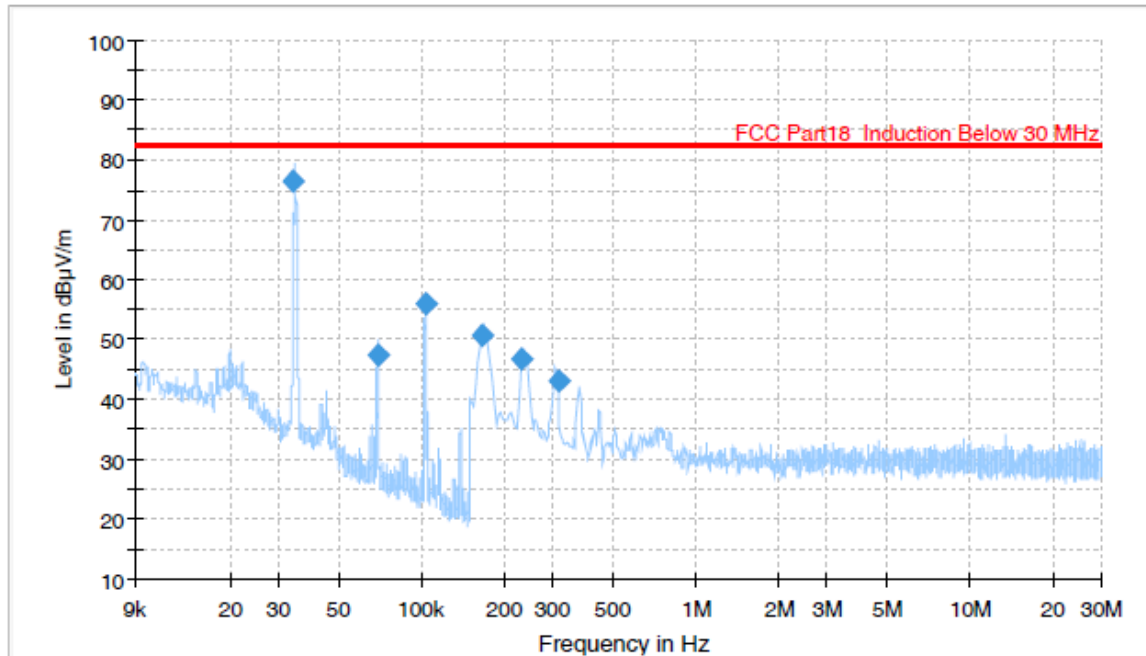


## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.036971        | 73.52            | 82.60          | 9.08        | 1000.0          | 0.200           | V   | 0.0           | 20.1         |
| 0.074089        | 40.62            | 82.60          | 41.98       | 1000.0          | 0.200           | V   | 227.0         | 20.0         |
| 0.110784        | 45.09            | 82.60          | 37.51       | 1000.0          | 0.200           | V   | 0.0           | 20.0         |
| 0.179850        | 42.41            | 82.60          | 40.19       | 1000.0          | 9.000           | V   | 330.0         | 19.9         |
| 0.254475        | 40.08            | 82.60          | 42.52       | 1000.0          | 9.000           | V   | 0.0           | 19.9         |
| 0.329100        | 38.50            | 82.60          | 44.10       | 1000.0          | 9.000           | V   | 221.0         | 19.8         |



### Cooking Element #3\_H



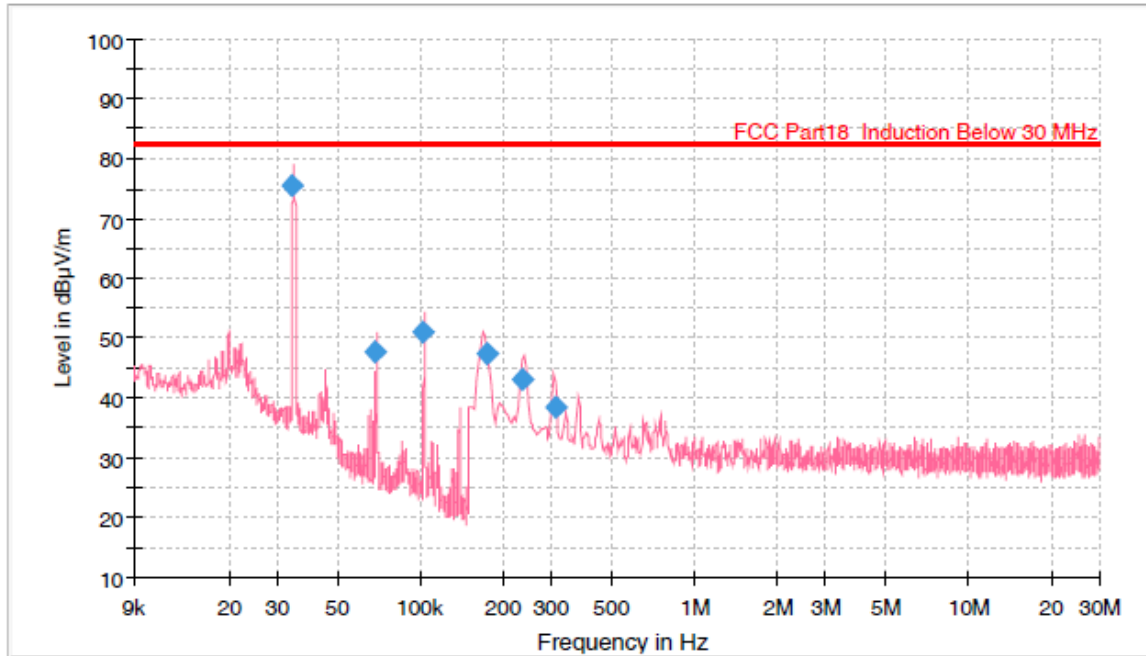
Preview Result 1H-AVG FCC Part18\_Induction Below 30 MHz Final\_Result AVC

### Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.034109        | 76.41            | 82.60          | 6.19        | 1000.0          | 0.200           | H   | 279.0         | 20.1         |
| 0.069546        | 47.39            | 82.60          | 35.21       | 1000.0          | 0.200           | H   | 332.0         | 20.0         |
| 0.103565        | 55.83            | 82.60          | 26.77       | 1000.0          | 0.200           | H   | 60.0          | 20.0         |
| 0.164925        | 50.77            | 82.60          | 31.83       | 1000.0          | 9.000           | H   | 213.0         | 19.9         |
| 0.232088        | 46.71            | 82.60          | 35.89       | 1000.0          | 9.000           | H   | 254.0         | 19.9         |
| 0.314175        | 43.16            | 82.60          | 39.44       | 1000.0          | 9.000           | H   | 254.0         | 19.8         |



### Cooking Element #3\_V



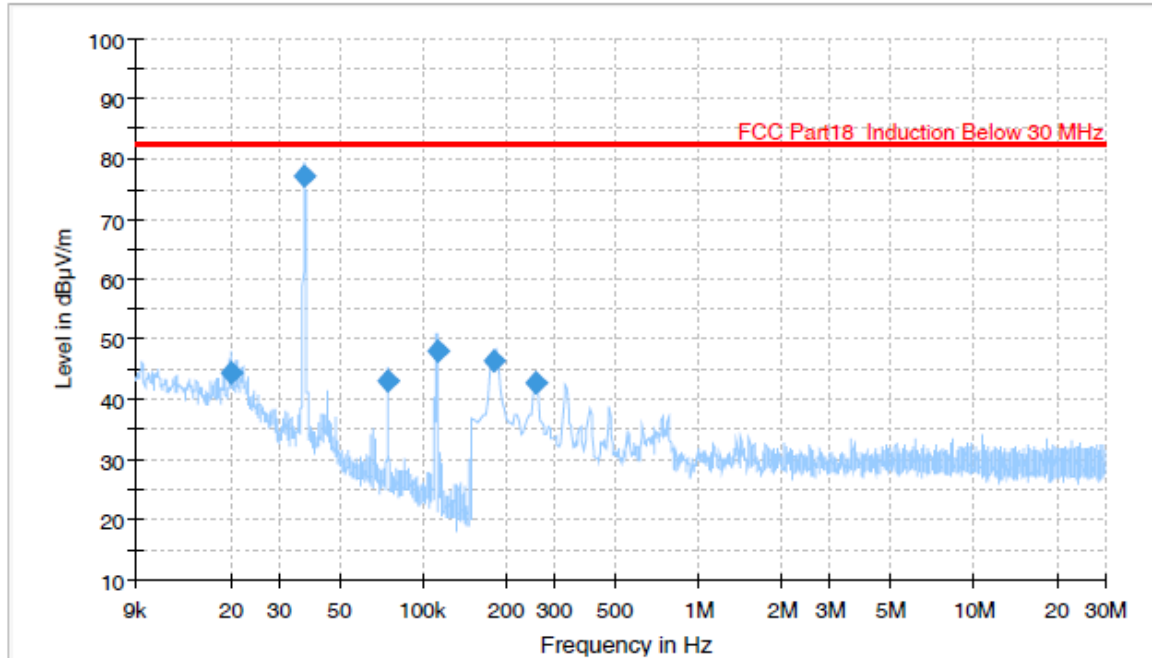
Preview Result 1V-AVG FCC Part18\_Induction Below 30 MHz Final\_Result AVG

### Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.034110        | 75.62            | 82.60          | 6.98        | 1000.0          | 0.200           | V   | 0.0           | 20.1         |
| 0.067943        | 47.77            | 82.60          | 34.83       | 1000.0          | 0.200           | V   | 227.0         | 20.0         |
| 0.102434        | 51.09            | 82.60          | 31.51       | 1000.0          | 0.200           | V   | 0.0           | 20.0         |
| 0.176119        | 47.51            | 82.60          | 35.09       | 1000.0          | 9.000           | V   | 330.0         | 19.9         |
| 0.235819        | 43.20            | 82.60          | 39.40       | 1000.0          | 9.000           | V   | 0.0           | 19.9         |
| 0.310440        | 38.50            | 82.60          | 44.10       | 1000.0          | 9.000           | V   | 221.0         | 19.8         |



#### Cooking Element #4\_H



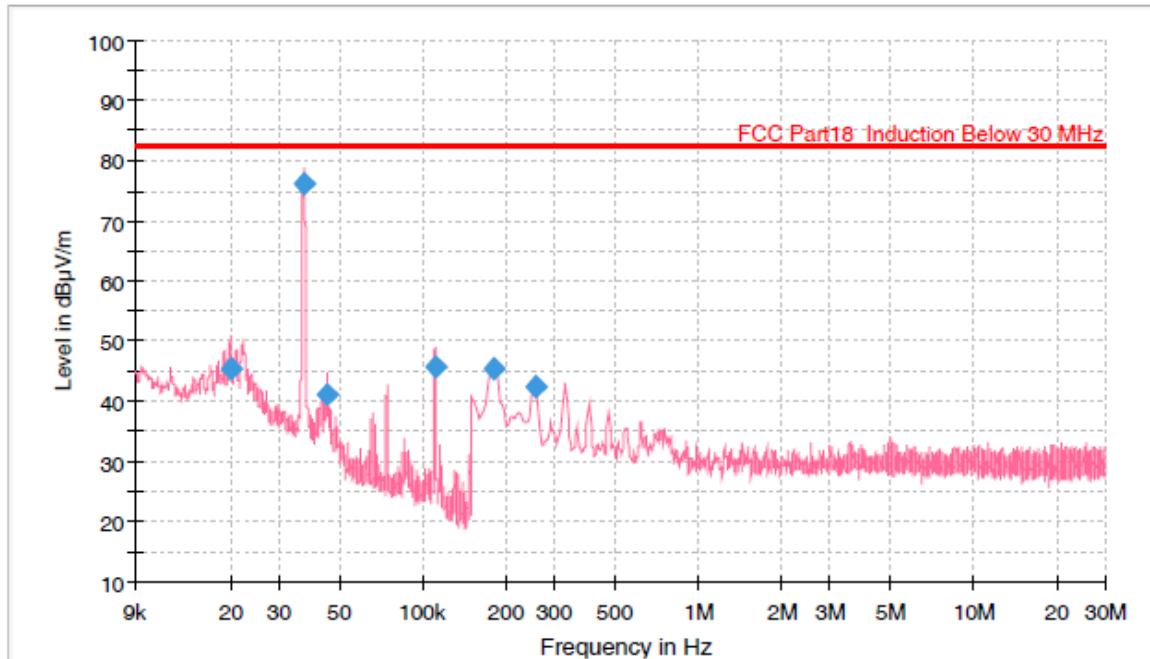
— Preview Result 1H-AVG      — FCC Part18\_Induction Below 30 MHz      ◆ Final\_Result AVC

#### Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.020016        | 44.31            | 82.60          | 38.29       | 1000.0          | 0.200           | H   | 291.0         | 20.3         |
| 0.037059        | 77.15            | 82.60          | 5.45        | 1000.0          | 0.200           | H   | 65.0          | 20.1         |
| 0.074089        | 43.20            | 82.60          | 39.40       | 1000.0          | 0.200           | H   | 234.0         | 20.0         |
| 0.112106        | 48.12            | 82.60          | 34.48       | 1000.0          | 0.200           | H   | 0.0           | 20.0         |
| 0.179850        | 46.51            | 82.60          | 36.09       | 1000.0          | 9.000           | H   | 359.0         | 19.9         |
| 0.258206        | 42.86            | 82.60          | 39.74       | 1000.0          | 9.000           | H   | 16.0          | 19.8         |



#### Cooking Element #4\_V



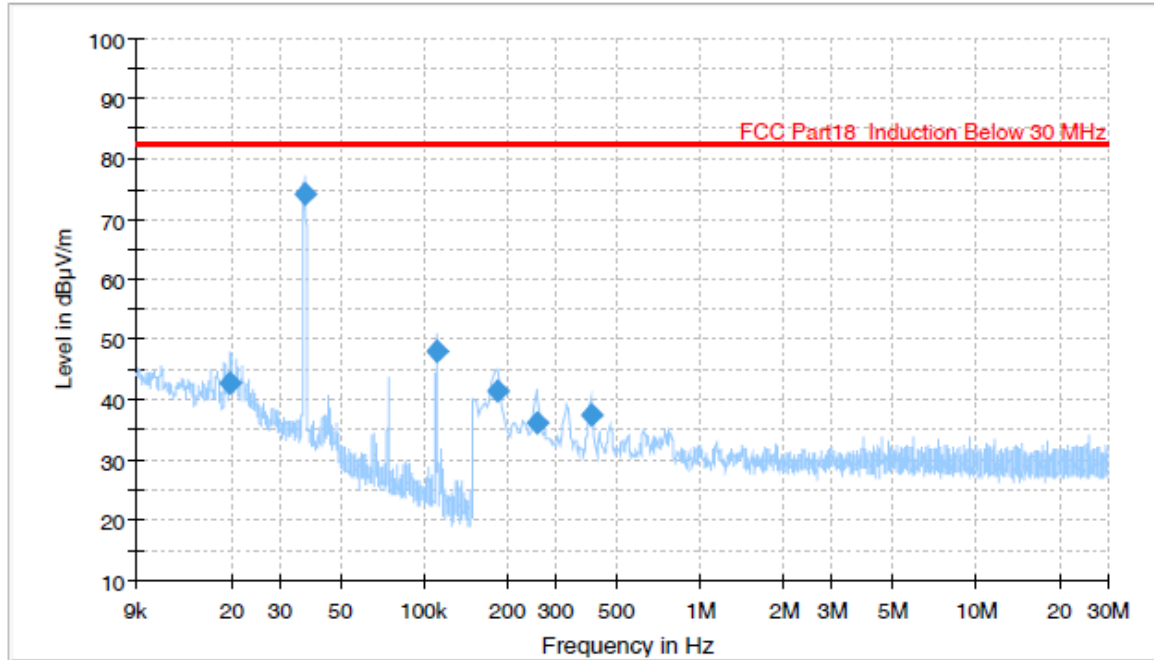
Preview Result 1V-AVG FCC Part18\_Induction Below 30 MHz Final\_Result AVG

#### Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.020069        | 45.52            | 82.60          | 37.08       | 1000.0          | 0.200           | V   | 43.0          | 20.3         |
| 0.036989        | 76.20            | 82.60          | 6.40        | 1000.0          | 0.200           | V   | 331.0         | 20.1         |
| 0.044849        | 40.96            | 82.60          | 41.64       | 1000.0          | 0.200           | V   | 279.0         | 20.0         |
| 0.110591        | 45.68            | 82.60          | 36.92       | 1000.0          | 0.200           | V   | 175.0         | 20.0         |
| 0.179850        | 45.25            | 82.60          | 37.35       | 1000.0          | 9.000           | V   | 120.0         | 19.9         |
| 0.254475        | 42.32            | 82.60          | 40.28       | 1000.0          | 9.000           | V   | 128.0         | 19.8         |



## Cooking Element #5\_H



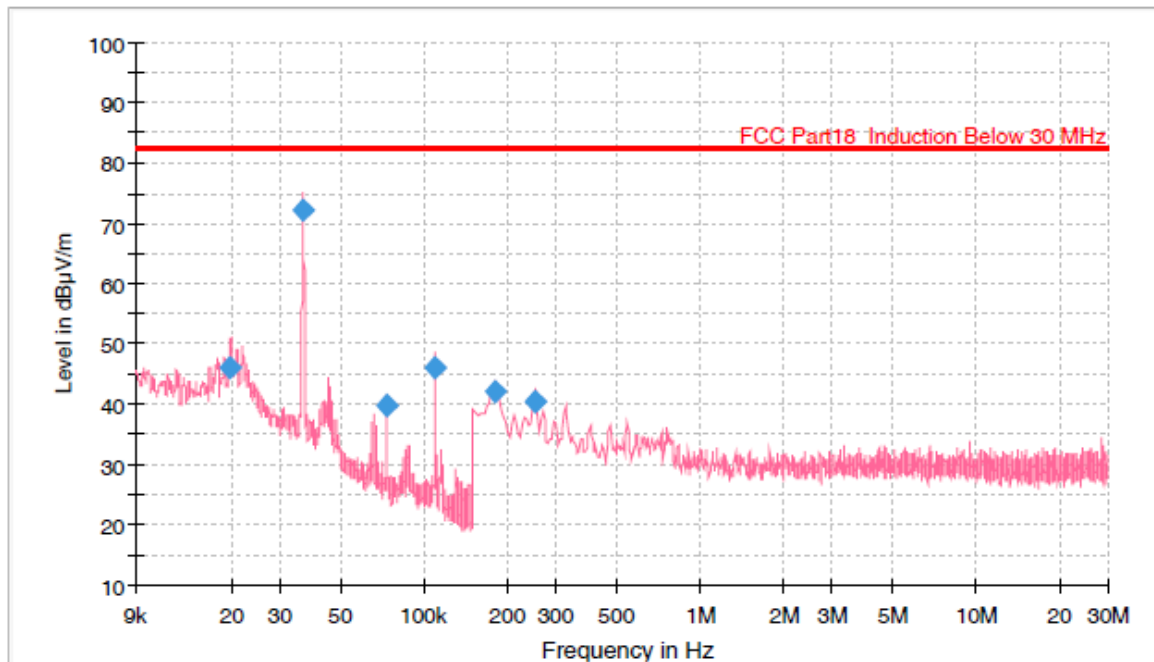
Preview Result 1H-AVG FCC Part18\_Induction Below 30 MHz Final\_Result AVC

## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.019787        | 42.90            | 82.60          | 39.70       | 1000.0          | 0.200           | H   | 0.0           | 20.3         |
| 0.037094        | 74.31            | 82.60          | 8.29        | 1000.0          | 0.200           | H   | 354.0         | 20.1         |
| 0.111313        | 48.02            | 82.60          | 34.58       | 1000.0          | 0.200           | H   | 279.0         | 20.0         |
| 0.183581        | 41.48            | 82.60          | 41.12       | 1000.0          | 9.000           | H   | 62.0          | 19.9         |
| 0.254475        | 36.26            | 82.60          | 46.34       | 1000.0          | 9.000           | H   | 44.0          | 19.8         |
| 0.403725        | 37.40            | 82.60          | 45.20       | 1000.0          | 9.000           | H   | 49.0          | 19.8         |



### Cooking Element #5\_V



Preview Result 1V-AVG      FCC Part18 Induction Below 30 MHz      Final\_Result AVG

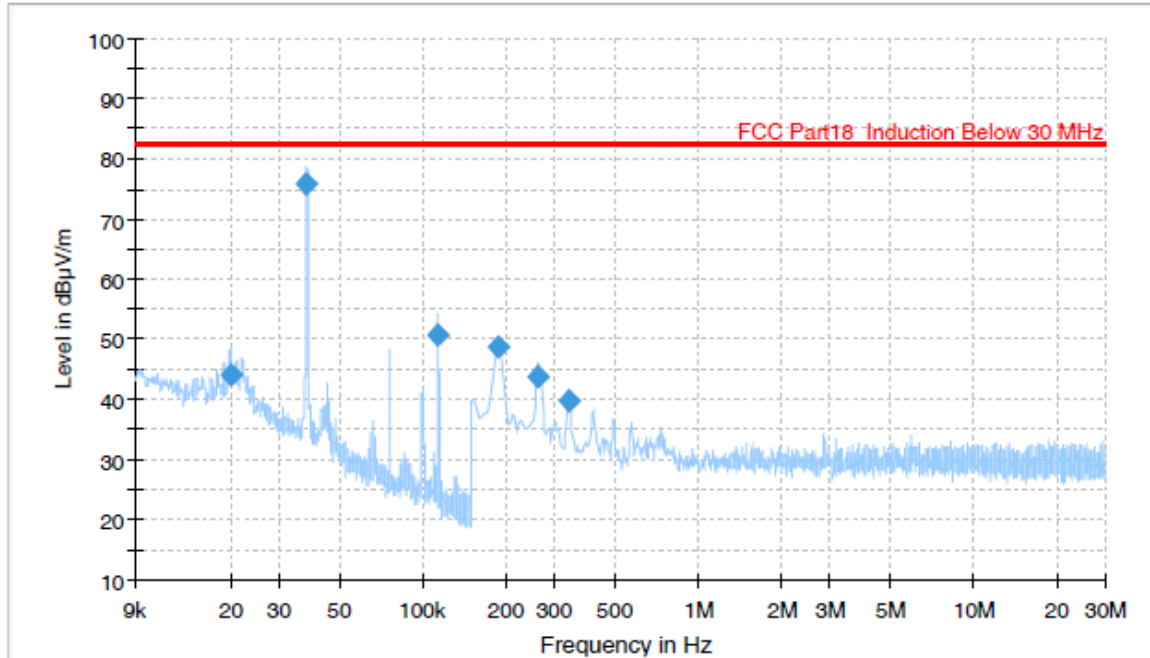
### Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.019857        | 46.07            | 82.60          | 36.53       | 1000.0          | 0.200           | V   | 338.0         | 20.3         |
| 0.036354        | 72.06            | 82.60          | 10.54       | 1000.0          | 0.200           | V   | 269.0         | 20.1         |
| 0.072714        | 39.67            | 82.60          | 42.93       | 1000.0          | 0.200           | V   | 333.0         | 20.0         |
| 0.109251        | 45.93            | 82.60          | 36.67       | 1000.0          | 0.200           | V   | 16.0          | 20.0         |
| 0.179850        | 42.23            | 82.60          | 40.37       | 1000.0          | 9.000           | V   | 326.0         | 19.9         |
| 0.250744        | 40.50            | 82.60          | 42.10       | 1000.0          | 9.000           | V   | 318.0         | 19.8         |



[AC 240 V, 60 Hz]

Cooking Element #1\_H



— Preview Result 1H-AVG      — FCC Part18\_Induction Below 30 MHz      ◆ Final\_Result AVC

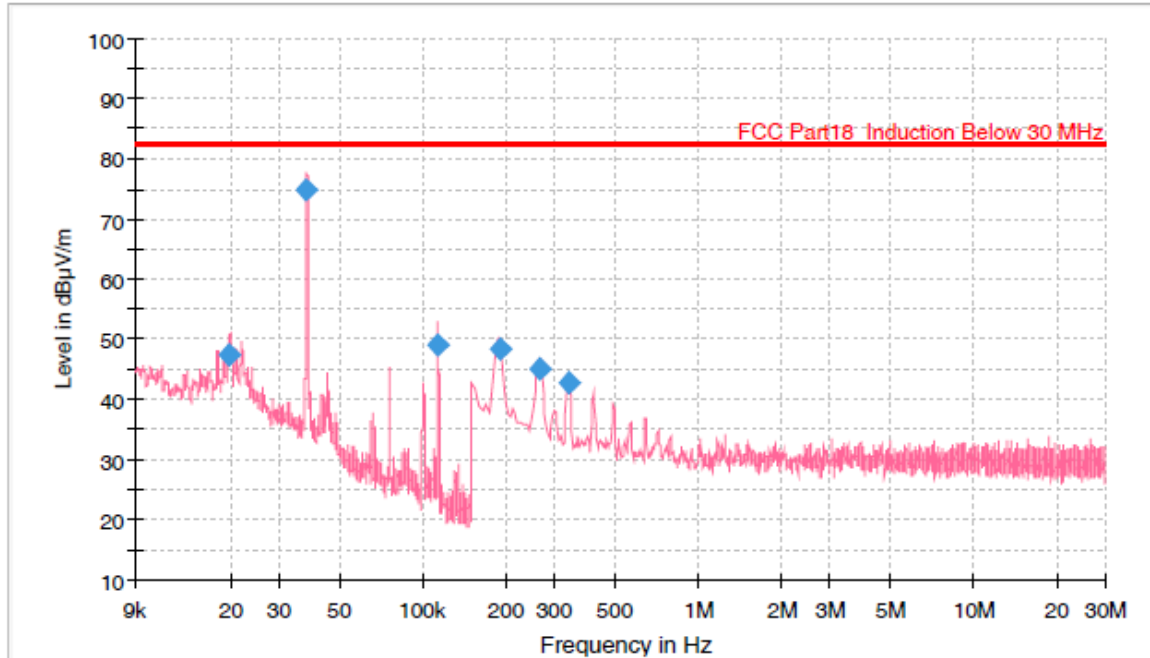
## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.020016        | 44.24            | 82.60          | 38.36       | 1000.0          | 0.200           | H   | 24.0          | 20.3         |
| 0.037887        | 76.00            | 82.60          | 6.60        | 1000.0          | 0.200           | H   | 73.0          | 20.1         |
| 0.113693        | 50.83            | 82.60          | 31.77       | 1000.0          | 0.200           | H   | 89.0          | 20.0         |
| 0.187313        | 48.63            | 82.60          | 33.97       | 1000.0          | 9.000           | H   | 77.0          | 19.9         |
| 0.261938        | 43.79            | 82.60          | 38.81       | 1000.0          | 9.000           | H   | 77.0          | 19.8         |
| 0.340294        | 39.83            | 82.60          | 42.77       | 1000.0          | 9.000           | H   | 77.0          | 19.8         |





### Cooking Element #1\_V



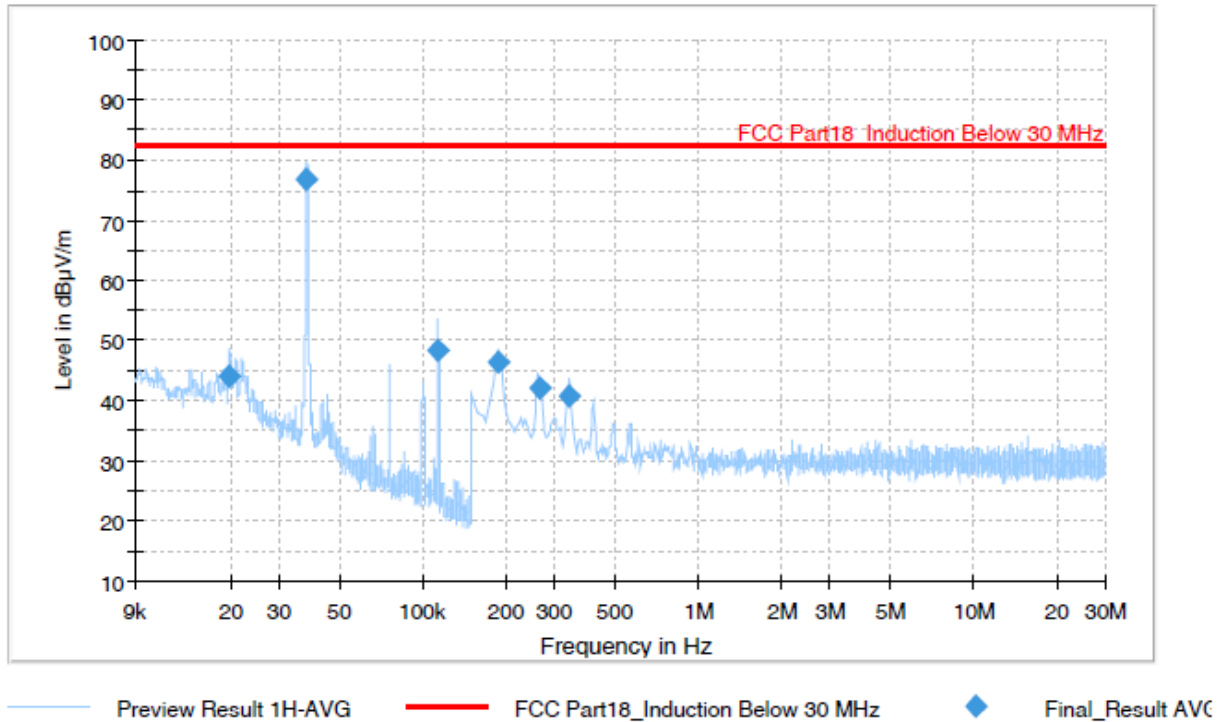
— Preview Result 1V-AVG — FCC Part18\_Induction Below 30 MHz ◆ Final\_Result AVG

### Final Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.019788        | 47.23            | 82.60          | 35.37       | 1000.0          | 0.200           | V   | 68.0          | 20.3         |
| 0.037847        | 74.83            | 82.60          | 7.77        | 1000.0          | 0.200           | V   | 144.0         | 20.1         |
| 0.113441        | 48.93            | 82.60          | 33.67       | 1000.0          | 0.200           | V   | 0.0           | 20.0         |
| 0.190000        | 48.31            | 82.60          | 34.29       | 1000.0          | 9.000           | V   | 0.0           | 19.9         |
| 0.265669        | 45.13            | 82.60          | 37.47       | 1000.0          | 9.000           | V   | 336.0         | 19.9         |
| 0.339563        | 42.64            | 82.60          | 39.96       | 1000.0          | 9.000           | V   | 0.0           | 19.8         |



## Cooking Element #2\_H

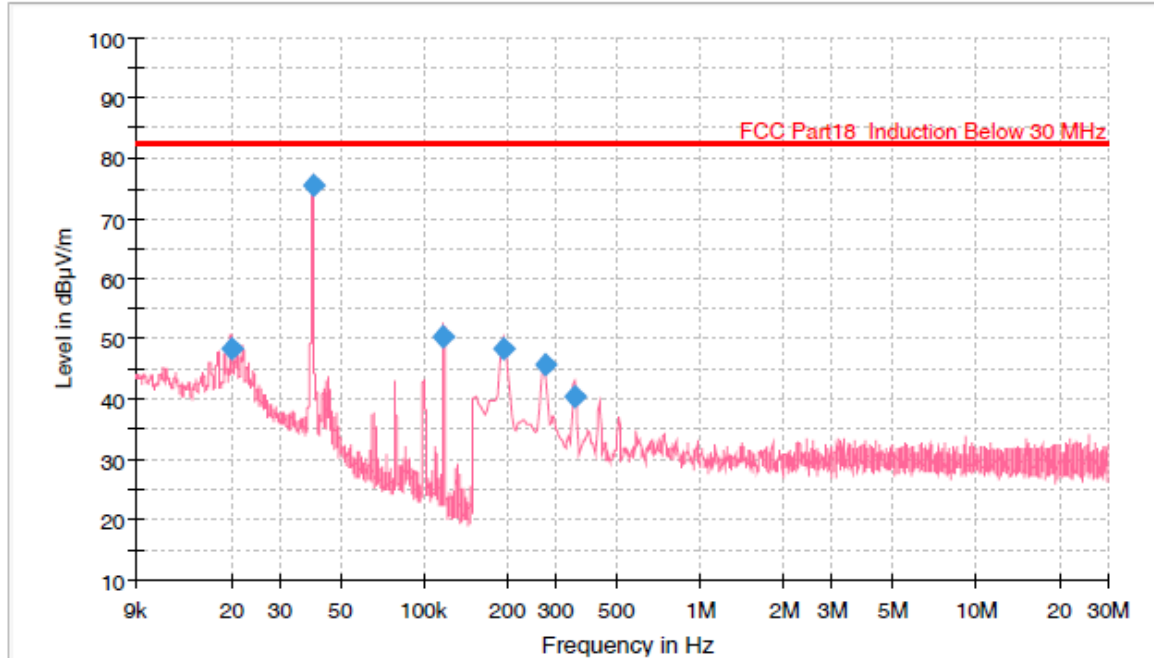


## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.019769        | 44.25            | 82.60          | 38.35       | 1000.0          | 0.200           | H   | 0.0           | 20.3         |
| 0.037905        | 76.93            | 82.60          | 5.67        | 1000.0          | 0.200           | H   | 69.0          | 20.1         |
| 0.113587        | 48.40            | 82.60          | 34.20       | 1000.0          | 0.200           | H   | 134.0         | 20.0         |
| 0.187313        | 46.34            | 82.60          | 36.26       | 1000.0          | 9.000           | H   | 0.0           | 19.9         |
| 0.265669        | 41.98            | 82.60          | 40.62       | 1000.0          | 9.000           | H   | 14.0          | 19.8         |
| 0.340294        | 40.82            | 82.60          | 41.78       | 1000.0          | 9.000           | H   | 8.0           | 19.8         |



## Cooking Element #2\_V



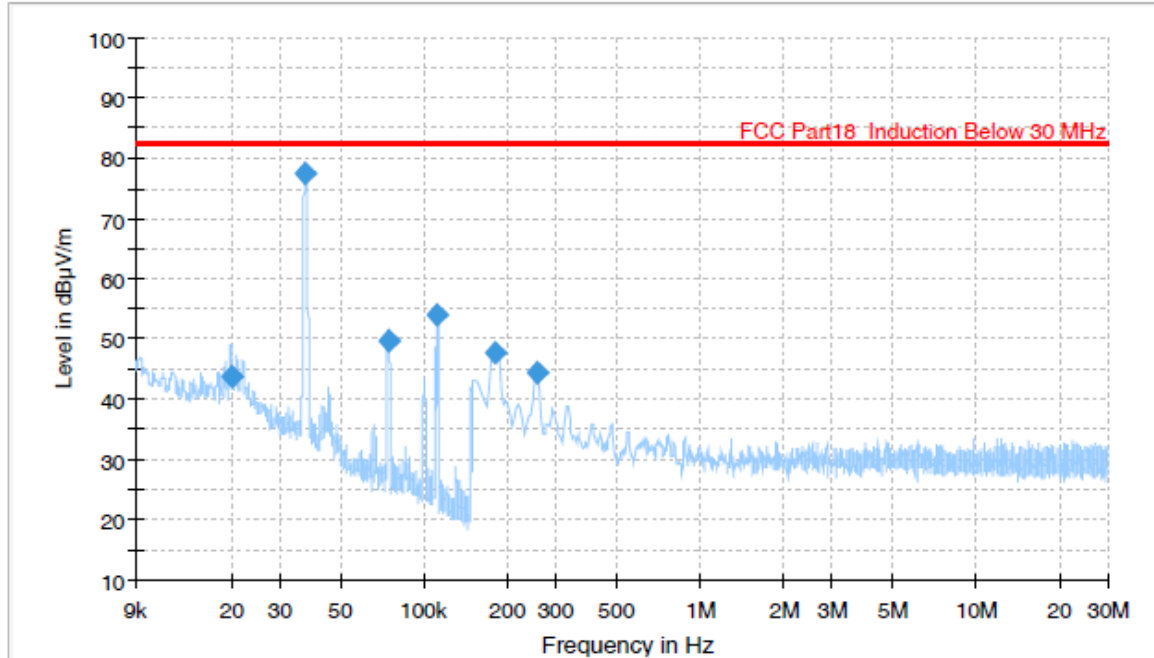
Preview Result 1V-AVG FCC Part18\_Induction Below 30 MHz Final\_Result AVG

## Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.019963        | 48.40            | 82.60          | 34.20       | 1000.0          | 0.200           | V   | 191.0         | 20.3         |
| 0.039386        | 75.58            | 82.60          | 7.02        | 1000.0          | 0.200           | V   | 340.0         | 20.1         |
| 0.117711        | 50.52            | 82.60          | 32.08       | 1000.0          | 0.200           | V   | 74.0          | 20.0         |
| 0.194775        | 48.45            | 82.60          | 34.15       | 1000.0          | 9.000           | V   | 113.0         | 19.9         |
| 0.273131        | 45.80            | 82.60          | 36.80       | 1000.0          | 9.000           | V   | 113.0         | 19.8         |
| 0.351488        | 40.41            | 82.60          | 42.19       | 1000.0          | 9.000           | V   | 108.0         | 19.8         |



### Cooking Element #3\_H



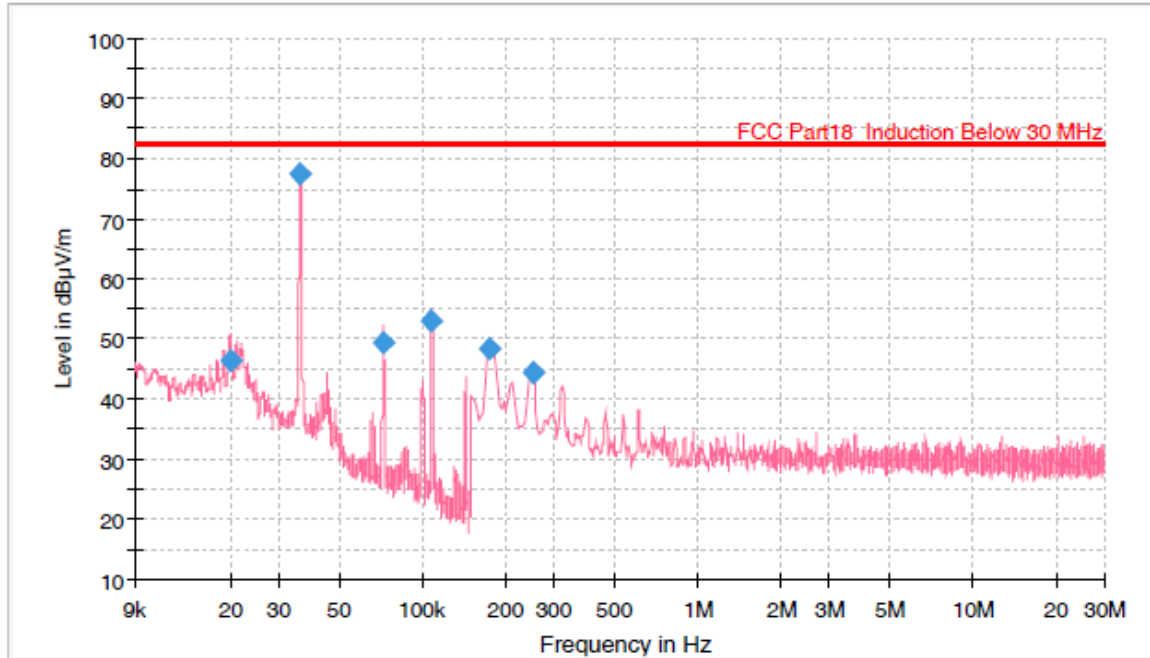
Preview Result 1H-AVG FCC Part18\_Induction Below 30 MHz Final\_Result AVC

### Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.019980        | 43.82            | 82.60          | 38.78       | 1000.0          | 0.200           | H   | 285.0         | 20.3         |
| 0.036989        | 77.64            | 82.60          | 4.96        | 1000.0          | 0.200           | H   | 273.0         | 20.1         |
| 0.074477        | 49.72            | 82.60          | 32.88       | 1000.0          | 0.200           | H   | 318.0         | 20.0         |
| 0.110996        | 54.04            | 82.60          | 28.56       | 1000.0          | 0.200           | H   | 273.0         | 20.0         |
| 0.179850        | 47.82            | 82.60          | 34.78       | 1000.0          | 9.000           | H   | 260.0         | 19.9         |
| 0.254475        | 44.29            | 82.60          | 38.31       | 1000.0          | 9.000           | H   | 212.0         | 19.8         |



### Cooking Element #3\_V



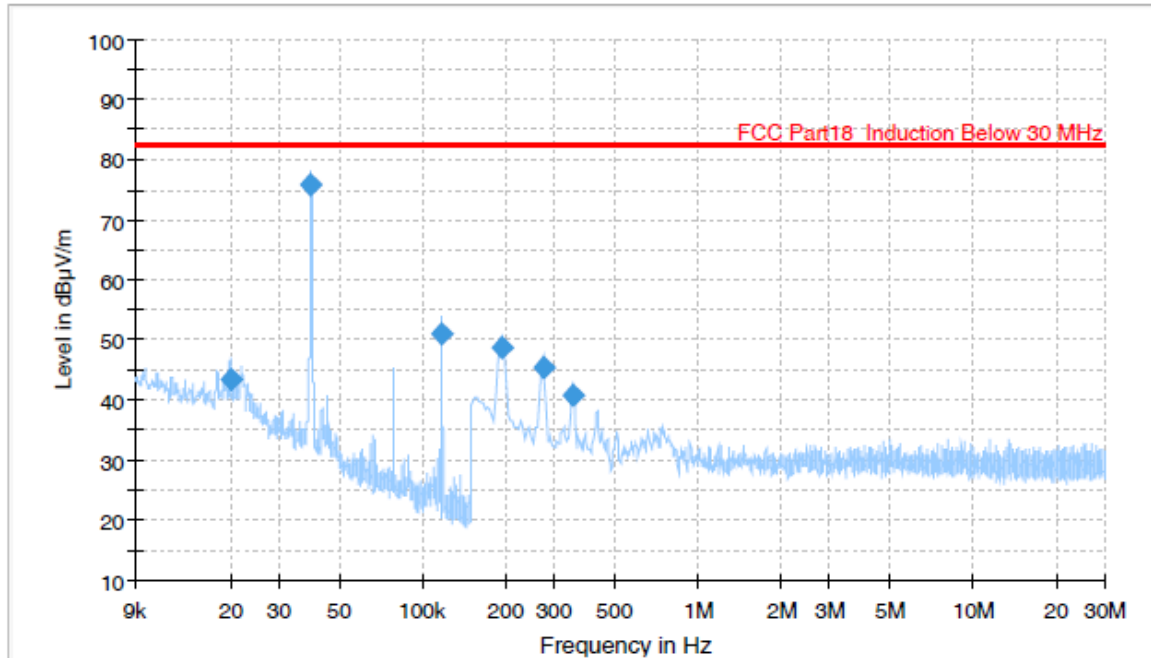
Preview Result 1V-AVG      FCC Part18\_Induction Below 30 MHz      Final\_Result AVC

### Final Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.019910        | 46.40            | 82.60          | 36.20       | 1000.0          | 0.200           | V   | 105.0         | 20.3         |
| 0.035966        | 77.53            | 82.60          | 5.07        | 1000.0          | 0.200           | V   | 21.0          | 20.1         |
| 0.072062        | 49.51            | 82.60          | 33.09       | 1000.0          | 0.200           | V   | 246.0         | 20.0         |
| 0.107541        | 53.11            | 82.60          | 29.49       | 1000.0          | 0.200           | V   | 217.0         | 20.0         |
| 0.176119        | 48.35            | 82.60          | 34.25       | 1000.0          | 9.000           | V   | 165.0         | 19.9         |
| 0.250744        | 44.50            | 82.60          | 38.10       | 1000.0          | 9.000           | V   | 121.0         | 19.8         |



#### Cooking Element #4\_H



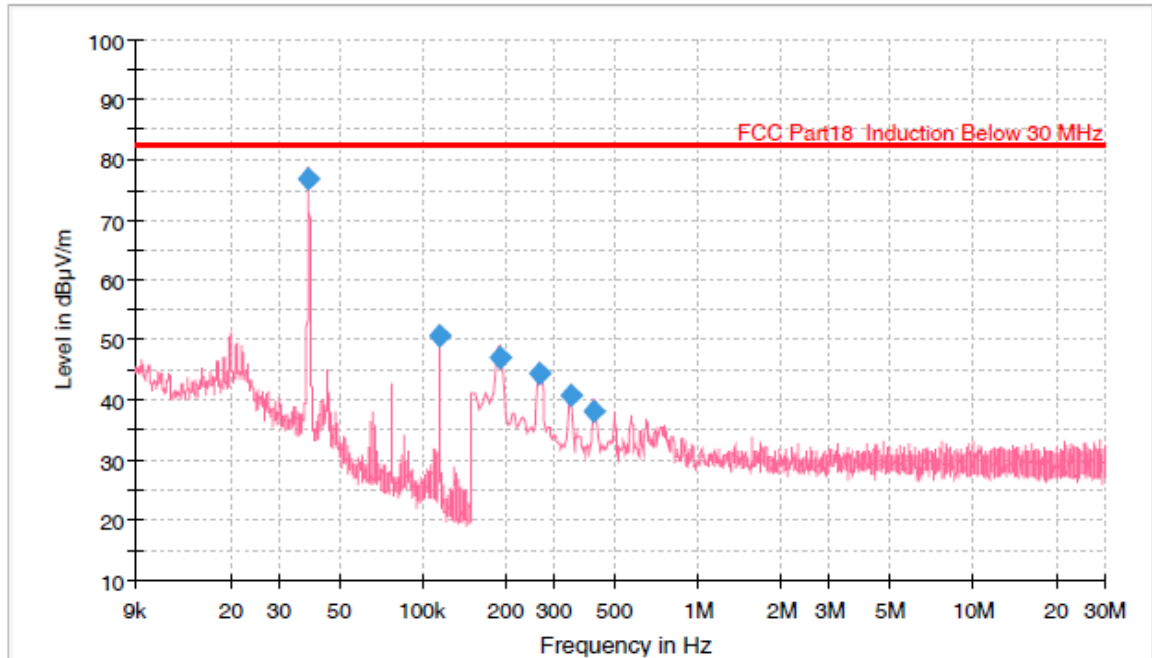
— Preview Result 1H-AVG      — FCC Part18\_Induction Below 30 MHz      ◆ Final\_Result AVC

#### Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.019980        | 43.41            | 82.60          | 39.19       | 1000.0          | 0.200           | H   | 354.0         | 20.3         |
| 0.039192        | 75.83            | 82.60          | 6.77        | 1000.0          | 0.200           | H   | 88.0          | 20.0         |
| 0.117570        | 50.93            | 82.60          | 31.67       | 1000.0          | 0.200           | H   | 24.0          | 20.0         |
| 0.194775        | 48.65            | 82.60          | 33.95       | 1000.0          | 9.000           | H   | 46.0          | 19.9         |
| 0.273131        | 45.33            | 82.60          | 37.27       | 1000.0          | 9.000           | H   | 46.0          | 19.8         |
| 0.351488        | 40.79            | 82.60          | 41.81       | 1000.0          | 9.000           | H   | 228.0         | 19.8         |



#### Cooking Element #4\_V



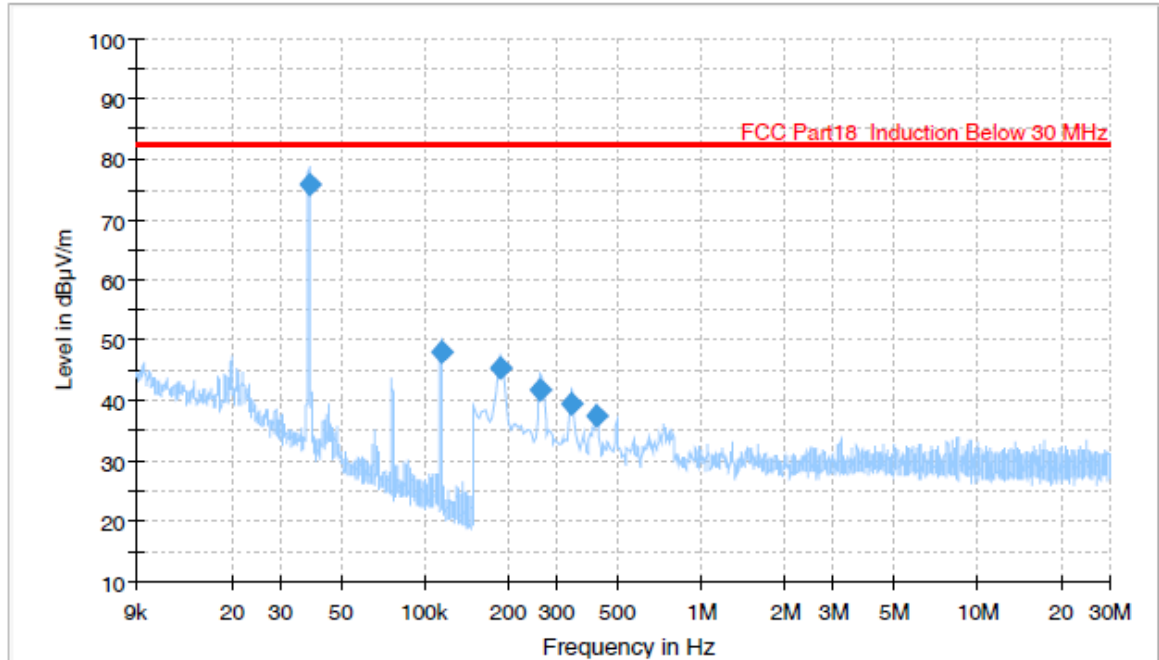
— Preview Result 1V-AVG      — FCC Part18 Induction Below 30 MHz      ◆ Final\_Result AVC

#### Final Result

| Frequency (MHz) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.038363        | 76.90            | 82.60          | 5.70        | 1000.0          | 0.200           | V   | 320.0         | 20.1         |
| 0.115120        | 50.60            | 82.60          | 32.00       | 1000.0          | 0.200           | V   | 320.0         | 20.0         |
| 0.191044        | 47.07            | 82.60          | 35.53       | 1000.0          | 9.000           | V   | 148.0         | 19.9         |
| 0.265669        | 44.36            | 82.60          | 38.24       | 1000.0          | 9.000           | V   | 127.0         | 19.8         |
| 0.344025        | 40.70            | 82.60          | 41.90       | 1000.0          | 9.000           | V   | 140.0         | 19.8         |
| 0.418650        | 38.14            | 82.60          | 44.46       | 1000.0          | 9.000           | V   | 127.0         | 19.8         |



### Cooking Element #5\_H



Preview Result 1H-AVG    FCC Part18\_Induction Below 30 MHz    Final\_Result AVC

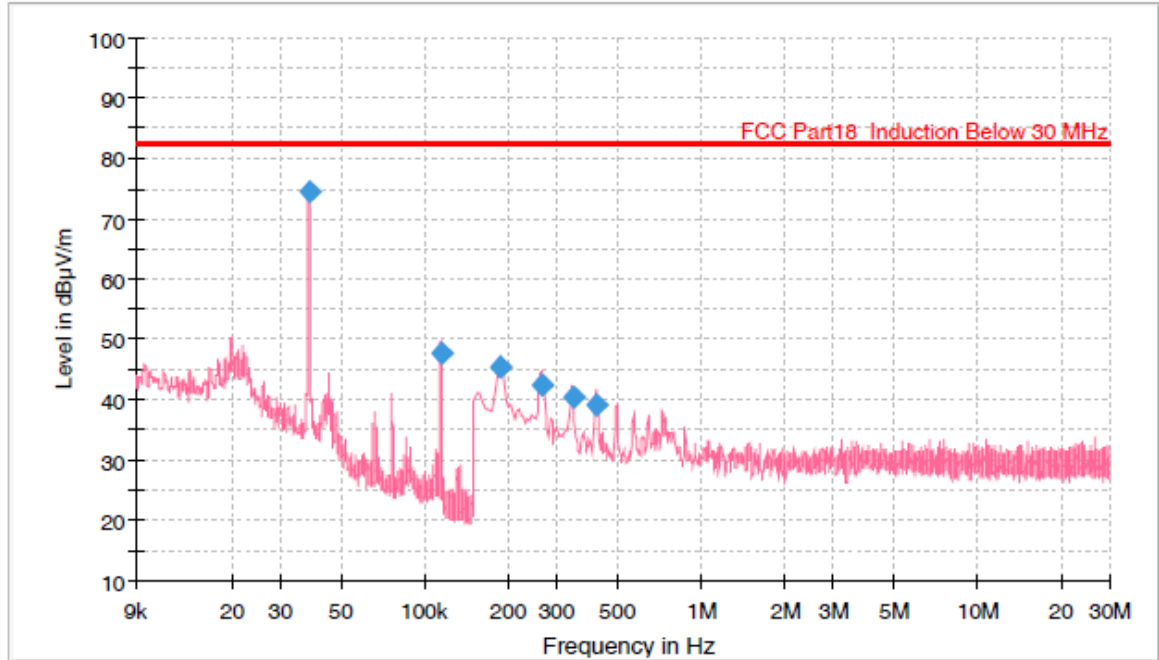
### Final Result

| Frequency (MHz) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.038011        | 76.00            | 82.60          | 6.60        | 1000.0          | 0.200           | H   | 0.0           | 20.1         |
| 0.114151        | 47.97            | 82.60          | 34.63       | 1000.0          | 0.200           | H   | 318.0         | 20.0         |
| 0.187313        | 45.51            | 82.60          | 37.09       | 1000.0          | 9.000           | H   | 57.0          | 19.9         |
| 0.261938        | 41.60            | 82.60          | 41.00       | 1000.0          | 9.000           | H   | 52.0          | 19.8         |
| 0.340294        | 39.42            | 82.60          | 43.18       | 1000.0          | 9.000           | H   | 28.0          | 19.8         |
| 0.414919        | 37.45            | 82.60          | 45.15       | 1000.0          | 9.000           | H   | 57.0          | 19.8         |





Cooking Element #5\_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) |
|-----------------|------------------|----------------|-------------|-----------------|-----------------|-----|---------------|--------------|
| 0.038011        | 74.50            | 82.60          | 8.10        | 1000.0          | 0.200           | V   | 297.0         | 20.1         |
| 0.114027        | 47.79            | 82.60          | 34.81       | 1000.0          | 0.200           | V   | 297.0         | 20.0         |
| 0.187313        | 45.48            | 82.60          | 37.12       | 1000.0          | 9.000           | V   | 262.0         | 19.9         |
| 0.265669        | 42.45            | 82.60          | 40.15       | 1000.0          | 9.000           | V   | 294.0         | 19.8         |
| 0.344025        | 40.53            | 82.60          | 42.07       | 1000.0          | 9.000           | V   | 282.0         | 19.8         |
| 0.414919        | 38.97            | 82.60          | 43.63       | 1000.0          | 9.000           | V   | 334.0         | 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 $\mu\text{V}$ = 48 dB $\mu\text{V}$                 |
| Reading                              | = 39.2 dB $\mu\text{V}$                                   |
| $10^{(39.2\text{dB}\mu\text{V}/20)}$ | = 91.2 $\mu\text{V}$                                      |
| Margin                               | = 48 dB $\mu\text{V}$ - 39.2 dB $\mu\text{V}$<br>= 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 $\mu\text{V}$                                                       |
| 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 $\mu\text{V}/\text{m}$<br>= 3.2 dB |



## 9. Recommendation & Conclusion

The data collected shows that the **HOUSEHOLD COOKTOP (Model Name: SKSIT3611GE)** was complies with §18.305 and 18.307 of the FCC Rules.

- The end -

