TEST REPORT

CERTIFICATION OF COMPLIANCE

Date of Issue: May 09, 2025 **Test Report No: CW011252-250407001_01**

Test Site: LG Electronics H&A EMC Standard Lab.

Applicant:	LG Electronics Inc. 222 LG-ro, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, South Korea, 17709
Product Type:	HOUSEHOLD COOKTOP
Brand Name(s):	LG
Model Name :	LPIK3669S (See 2.1 for Series model names)
Equipment Class:	Induction Cooking equipment
Regulation:	FCC Part 18
Test Procedure:	MP-5: 1986
Date of Receipt:	April. 22. 2025
Date of Test:	April. 25. 2025 ~ May. 2. 2025
FCC ID:	2BO3L-LPIK3669S

This device has been verified to comply with the applicable requirements in the FCC Part 18 and was tested in accordance with the measurement procedures specified in MP-5: 1986.
I assure full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

Note 1: This report apply only to the specific sample(s) tested under stated test conditions.
Note2: This report is the confidential property of the client. As a mutual protection to our clients, the public and ourselves, extracts from the test report shall not be reproduced except in full without our written approval.

Tested by:

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H&A EMC Standard Lab., LG Electronics Inc..

Reviewed by:

Kim Tae Yul / Technical Manager
H&A EMC Standard Lab., LG Electronics Inc.

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1. General Information

1.1 Client Information

The EUT has been tested by request of:

Applicant:	LG Electronics Inc.
Address	222 LG-ro, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, South Korea, 17709
Manufacturer:	LG Electronics Inc
Address	170, Seongsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, 51533, Republic of KOREA
Name of contact:	Yongdeok Kwon
Telephone:	+82-55-260-3463

1.2 Test facility

We are the accredited EMC laboratory by RRA(KOREA).

We certify that the above products had performed test on our laboratory and it was

confirmed to comply with FCC requirement.

The site are constructed in conformance with the requirements of CISPR publication 16/ANSI C63.4

The test was performed accordance to the procedures from FCC/OET MP-5.

Name and Address:	LG Electronics H&A EMC Standard Lab. 170, Seongsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, 51533, Republic of KOREA
RRA Registration No.	KR0152
Telephone:	+82-55-260-3966
E-mail	Hoseong.jang@lge.com

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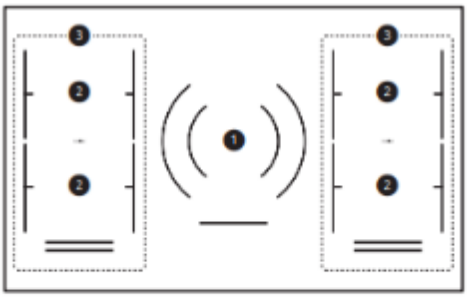
2. Product Information

2.1 Description of EUT.

EUT is the LG Electronics Inc. IH Cooktop as followings:

Equipment:	HOUSEHOLD COOKTOP
Model:	LPIK3669S
Additional Model Name	N/A
Brand name:	LG Electronics.
Serial number:	N/A
Rated Input Voltage:	208/240 VAC, 60 Hz
Max Input Current	45.2 A (208 V) / 50 A (240 V)
Maximum Power Load	9,400 W (208 V) / 12,000 W (240 V)
Max Clock Frequency	24 MHz
Induction Operating Frequency	30 kHz ~ 65 kHz
Outer Dimensions (mm)	911 x 918.1 x 741.9 (W x H x D)

Cooking Zone Size & Power



Cooking Zone	Size	Power (W)	
		Boost	10 level
❶ Center	Single : 7" (178 mm)	3700	1850
	Dual : 11 1/8" (283 mm)	7000	3700
❷ Single	8 1/2" x 7 1/8" (216 mm x 180 mm)	3700	1850
❸ Flexible	8 1/2" x 14 3/16" (216 mm x 360 mm)	3700	3300

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3. Description of tests

3.1 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 / 240 V, 60 Hz
- Operating condition during the test(s) :
  This device has been tested in the configurations of Induction mode
  Induction mode: This device has been operated with an enameled steel vessel filled with tap water up to 50 % of its maximum capacity and worst values is measured in booster mode & Wi-Fi on.
  cooking element “1” = rear left hob, “2” = front left hob, “3” = center hob,
  “4” = rear right hob, “5” = front right hob

3.2 Auxiliary Equipment / Cable List

3.2.1 Auxiliary Equipment

Description	Manufacturer	Model Name	S/N & FCC ID.
Wi-Fi/BT module	LG Electronics	LCWB-002	S/N: -. FCC ID.: BEJ-LCWB002

3.2.2 System Configuration

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

3.2.3 Cable List

Start		End		Cable Spec.	
Name	I/O Port	Name	I/O Port	Length	Shield
EUT	AC IN	AC Power Source	-	1.2	Unshield

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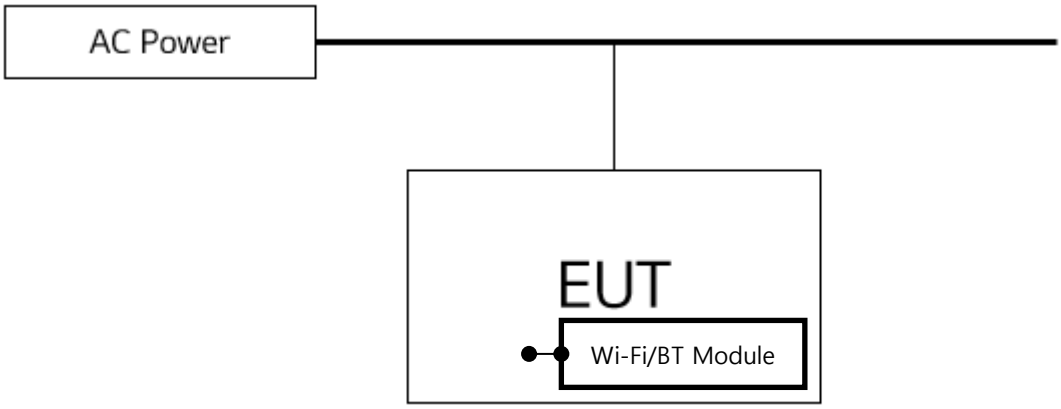
3.3 Test System Layout



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4. Summary of Test Results

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

-. 18.313 Radio frequency exposure requirements

1.1307 (b)(3)(ii)(A)
The available maximum time-averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required). This exemption may not be used in conjunction with other exemption criteria other than those is paragraph (b)(3)(i)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(i)(A).

-. 447498 D04 Interim General RF Exposure Guidance v01

2.2.1 1-mW Test Exemption for Multiple Sources
As discussed in § 1.1307(b)(3)(ii)(A), the 1-mW exemption intended for single transmitters may be also applied to simultaneous transmission conditions, within the same host device, according one of the following criteria:
a) When maximum available power each individual transmitting antenna within the same time averaging period is ≤ 1 mW, and the nearest parts of the antenna structures of the simultaneously operating transmitters are separated by at least 2 cm.
b) When the aggregate maximum available power of all transmitting antennas is ≤ 1 mW in the same time-averaging period. This exemption may not be combined with any other exemption.

Elements	Highest Emissions @ 10m [dBuV/m]	EIRP [dBm]	EIRP [mW]
Element 1	75.3	-9.47	0.113
Element 2	75.3	-9.47	0.113
Element 3	76.0	-8.77	0.133
Element 4	74.9	-9.87	0.103
Element 5	75.2	-9.57	0.110
These values are most conservative values based on measured emission regardless voltage and polarization			

EIRP[dBm] = E [dBµV/m] + 20 log (10 [m]) - 104.77

Aggregated maximum power = 0.113 + 0.113 + 0.133 + 0.103 + 0.110 = 0.572 mW

Therefore, 1mW test exemption can be applied and this device complies 18.313 requirement in accordance with 1.1307(b)(3)(ii)(A).

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5. Conducted Emission

5.1 Operating Environment

Temperature	:	23.9 ℃
Relative Humidity	:	44.1 % R.H.
Air Pressure	:	101.6 kPa

5.2 Test Set-up

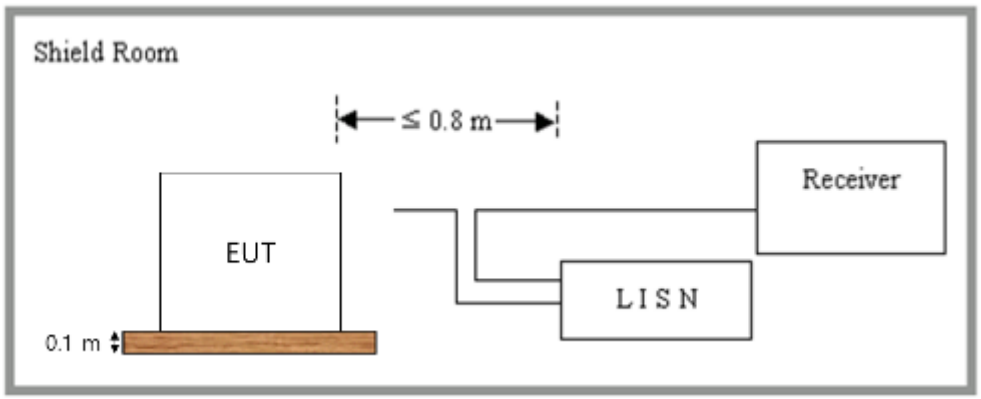
The Power Line disturbance voltage was measured with the equipment under test (EUT) in a shielded room. The EUT was connected to a line impedance stabilization network (LISN) placed on the floor. The EUT was placed on a non-metallic table 0.4 m(table top equipment) or 0.1 m(Floor standing equipment) above the metallic, grounded floor. The distance to other metallic surfaces was at least 0.4 m.

The vertical conducting surface was replaced with horizontal ground plane. Length of the power lead is more than 80 cm horizontally separating the EUT from LISN and it is folded back-and-forth form at the center of the power cord not exceeding 40 cm in length.

Each type of accessory provided by manufacturer or typically used, and support equipment were connected to the EUT during measurement to the typical usage and applicable as nearly as practicable.

The frequency range of 9 kHz to 30 MHz, Using CISPR Quasi-peak and average detector modes.

The line conducted emission measurement procedure and test configuration is based on MP-5:1986. Amplitude measurements were performed with a quasi-peak detector and, if required, with an average detector.



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5.3 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)	3.1 dB	Confidence level of approximately 95 % (*k* = 2)
Conducted emission (150 kHz ~ 30 MHz)	2.5 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.

5.4 Limit

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

5.5 Test Equipment

Description	Model Name	Manufacturer	Serial Number	Due to Calibration
LISN	ESH2-Z5	ROHDE & SCHWARZ	825640/003	2026-02-18
EMI Receiver	ESR3	ROHDE & SCHWARZ	101758	2026-02-18
Pulse Limiter	ESH3-Z2	ROHDE & SCHWARZ	102095	2026-02-18
Cable	STZ8	SensorView	-	2026-02-27

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5.6 Test data for Conducted Emission

-. Test Date : April. 30, 2025 ~ May. 2, 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, L2: Live, N: Neutral
-. Comment : None

5.6.1. Operating condition: Cooking element #1

Measurement table - *Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	84.9	110.0	25.1
0.074	69.2	86.5	17.3
0.011	47.4	110.0	62.6

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	87.6	110.0	22.4
0.074	74.3	86.4	12.1
0.111	44.3	82.7	38.4

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	81.2	110.0	28.8
0.074	69.6	86.5	16.9
0.111	36.8	82.7	45.9

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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Measurement table - *Conducted Emission*, 0.15 MHz to 30 MHz, AC mains				Verdict
Test voltage	208 V, 60 Hz	Measured terminal	L1	P

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.170	49.5	65.0	15.5	41.0	55.0	14.0
0.406	49.2	57.7	8.5	38.4	47.7	9.3
0.570	45.7	56.0	10.3	35.4	46.0	10.6
2.422	41.2	56.0	14.8	32.9	46.0	13.1

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	L2	P

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.298	46.0	60.3	14.3	35.4	50.3	14.9
0.402	49.0	57.8	8.8	37.7	47.8	10.1
0.562	45.8	56.0	10.2	37.2	46.0	8.8
3.406	37.9	56.0	18.1	29.4	46.0	16.6

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	N	P

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.178	49.1	64.6	15.5	39.8	54.6	14.8
0.406	49.8	57.7	7.9	38.9	47.7	8.8
0.570	45.5	56.0	10.5	35.2	46.0	10.8
3.610	39.1	56.0	16.9	30.9	46.0	15.1

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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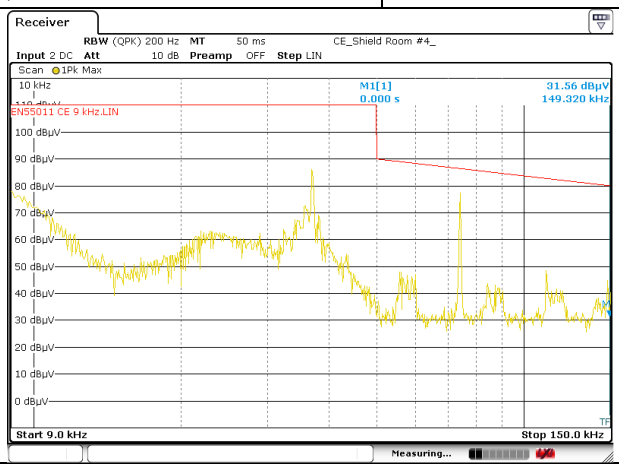
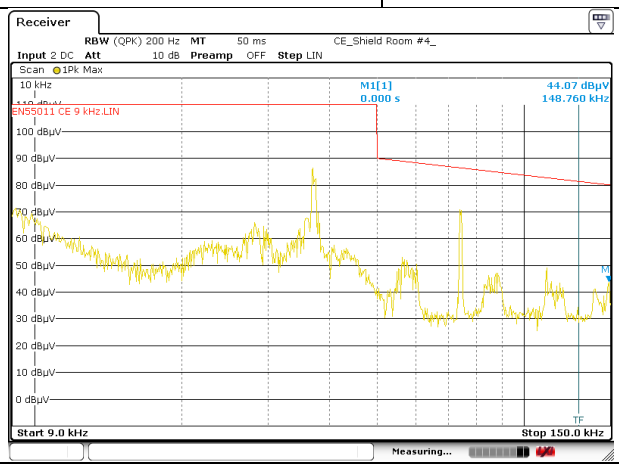
***Spectral Diagrams - Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
				

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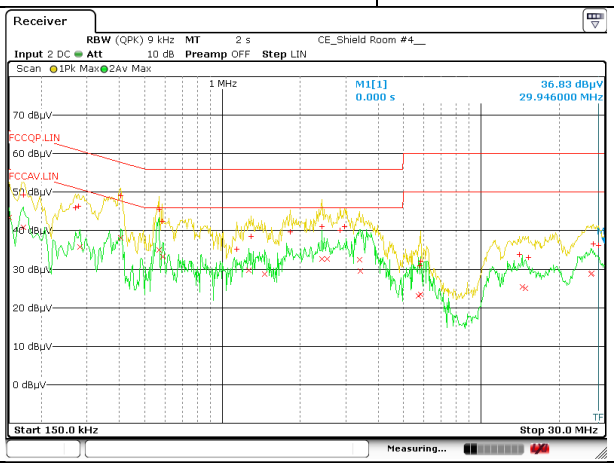
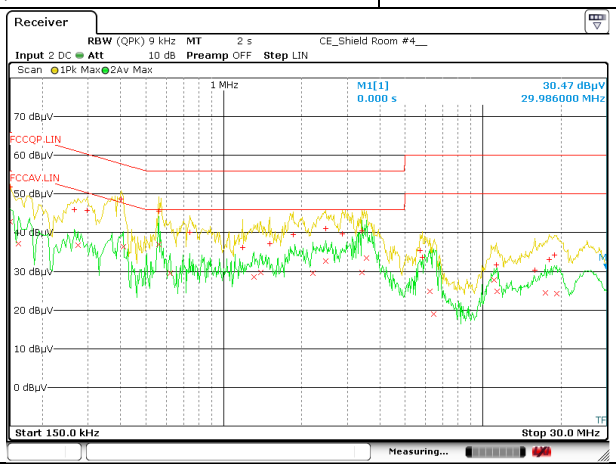
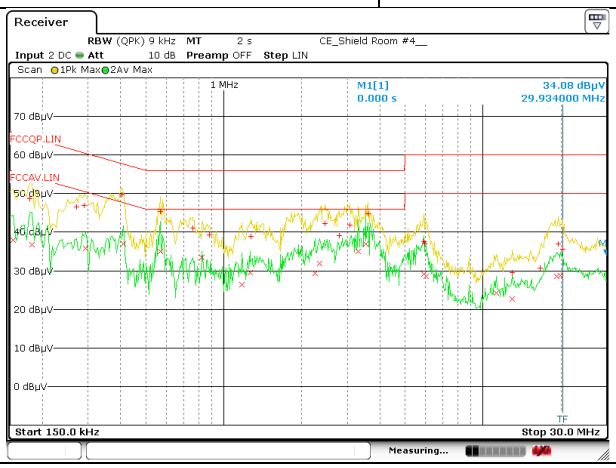
***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
				

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5.6.2. Operating condition: Cooking element #2

Measurement table - *Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains				Verdict
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	83.1	110.0	26.9
0.074	69.1	86.5	17.4
0.111	49.8	82.7	32.9

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	87.5	110.0	22.5
0.074	69.0	86.5	17.5
0.111	45.9	82.8	36.9

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	77.6	110.0	32.4
0.074	69.3	86.4	17.1
0.111	51.2	82.8	31.6

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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Measurement table - Conducted Emission, 0.15 MHz to 30 MHz, AC mains				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.150	51.7	66.0	14.3	41.2	56.0	14.8
0.406	49.9	57.7	7.8	38.9	47.7	8.8
0.566	45.8	56.0	10.2	36.8	46.0	9.2
3.822	41.2	56.0	14.8	34.9	46.0	11.1

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.174	48.8	64.8	16.0	41.1	54.8	13.7
0.402	50.1	57.8	7.7	39.2	47.8	8.6
0.558	44.8	56.0	11.2	36.0	46.0	10.0
3.598	43.4	56.0	12.6	37.5	46.0	8.5

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.166	49.7	65.2	15.5	39.9	55.2	15.3
0.402	50.3	57.8	7.5	39.0	47.8	8.8
0.562	45.8	56.0	10.2	37.4	46.0	8.6
2.994	42.2	56.0	13.8	33.7	46.0	12.3

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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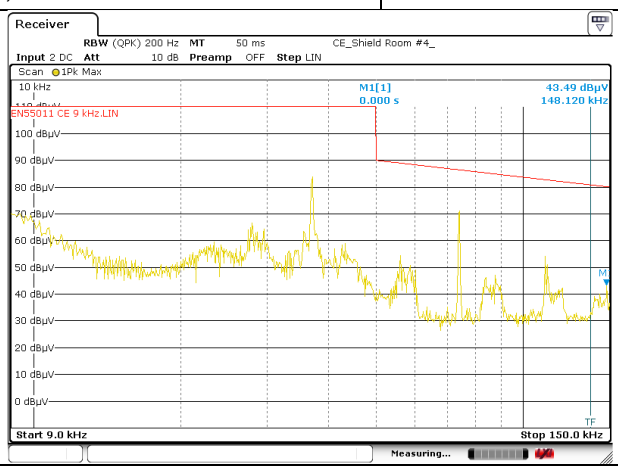
***Spectral Diagrams - Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
				

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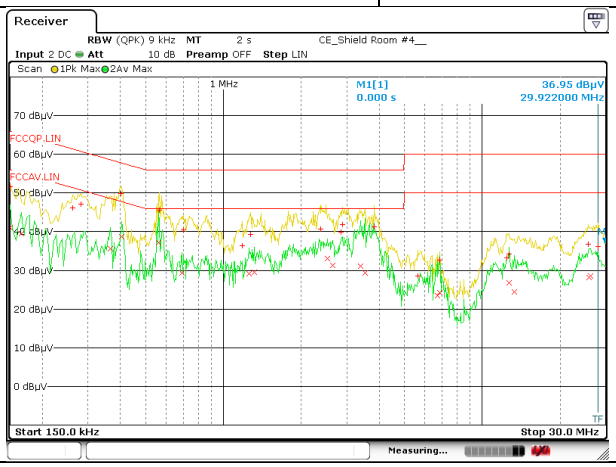
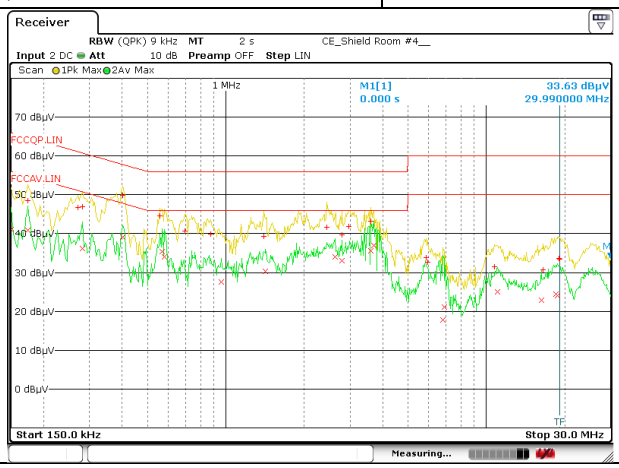
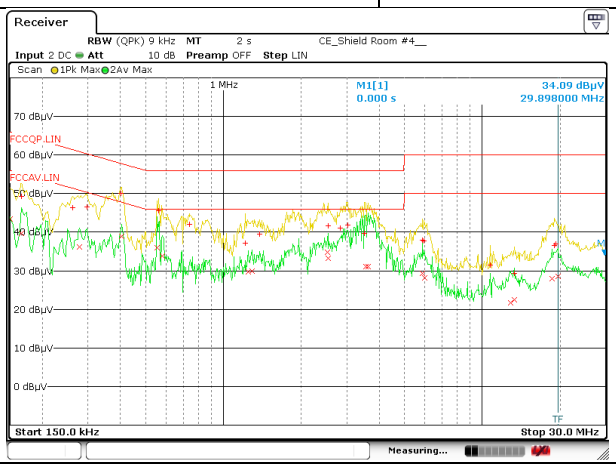
***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
				

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5.6.3. Operating condition: Cooking element #3

Measurement table - *Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains				Verdict
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.040	72.6	110.0	37.4
0.079	67.4	85.8	18.4
0.119	53.4	82.1	28.7

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.035	73.7	110.0	36.3
0.069	77.6	87.1	9.5
0.104	52.4	83.3	30.9

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.040	75.6	110.0	34.4
0.079	75.4	85.8	10.4
0.119	55.6	82.1	26.5

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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Measurement table - Conducted Emission, 0.15 MHz to 30 MHz, AC mains				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.174	48.8	64.8	16.0	40.7	54.8	14.1
0.402	49.4	57.8	8.4	38.1	47.8	9.7
0.566	45.8	56.0	10.2	36.9	46.0	9.1
2.358	42.1	56.0	13.9	35.2	46.0	10.8

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.166	49.7	65.2	15.5	42.2	55.2	13.0
0.402	49.5	57.8	8.3	38.2	47.8	9.6
0.558	44.9	56.0	11.1	36.1	46.0	9.9
3.638	35.9	56.0	20.1	28.0	46.0	18.0

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.150	52.2	66.0	13.8	42.0	56.0	14.0
0.402	49.8	57.8	8.0	38.5	47.8	9.3
0.562	45.9	56.0	10.1	37.5	46.0	8.5
3.862	38.4	56.0	17.6	32.2	46.0	13.8

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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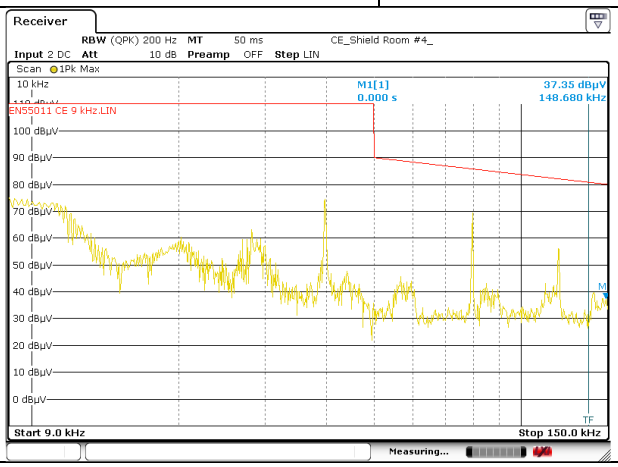
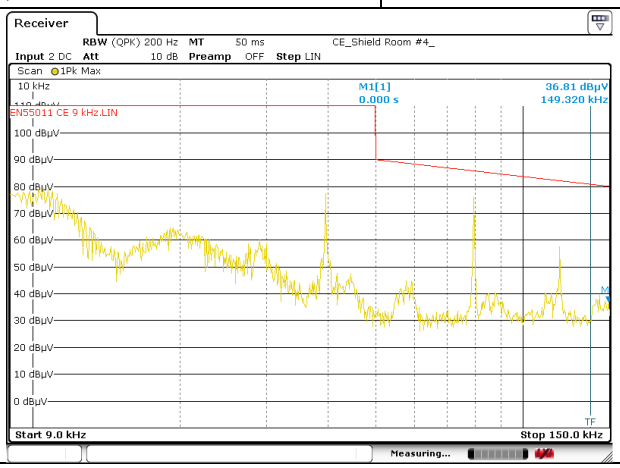
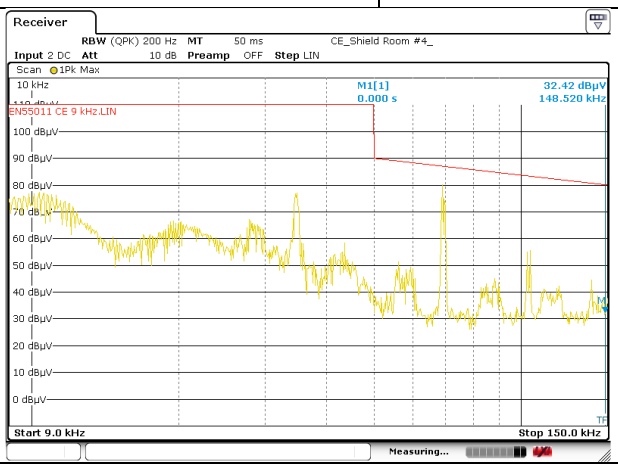
***Spectral Diagrams - Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
				

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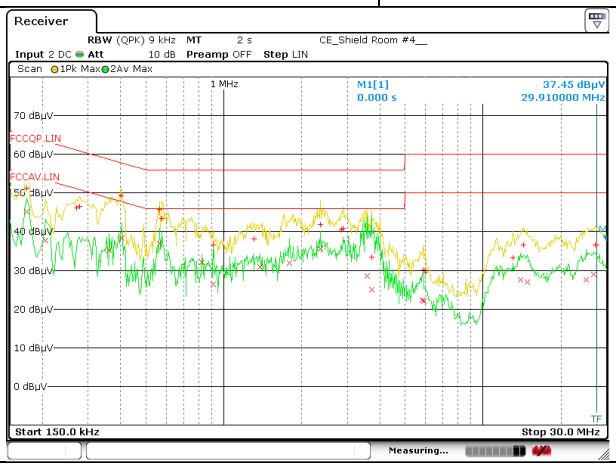
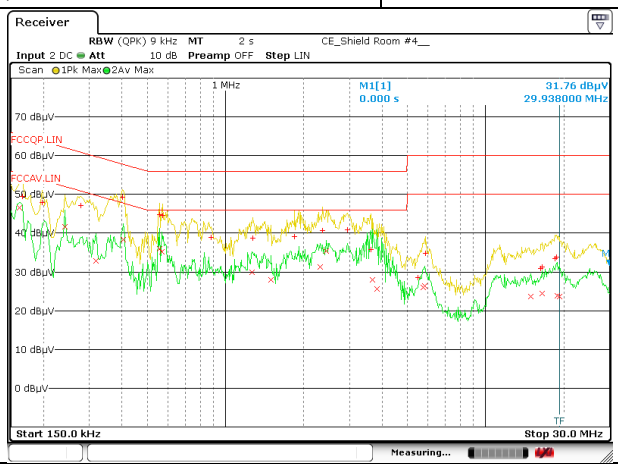
***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**

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5.6.4. Operating condition: Cooking element #4

Measurement table - *Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains				Verdict
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.038	78.7	110.0	31.3
0.076	66.1	86.1	20.0
0.115	47.1	82.5	35.4

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.038	74.5	110.0	35.5
0.076	70.0	86.1	16.1
0.115	48.1	82.4	34.3

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.038	74.6	110.0	35.4
0.075	64.7	86.3	21.6
0.112	46.9	82.6	35.7

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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Measurement table - Conducted Emission, 0.15 MHz to 30 MHz, AC mains				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.154	47.9	65.8	17.9	37.9	55.8	17.9
0.402	49.8	57.8	8.0	39.0	47.8	8.8
0.566	45.8	56.0	10.2	36.8	46.0	9.2
3.666	41.8	56.0	14.2	35.7	46.0	10.3

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.154	51.7	65.8	14.1	46.0	55.8	9.8
0.402	49.6	57.8	8.2	38.3	47.8	9.5
0.566	45.7	56.0	10.3	36.8	46.0	9.2
3.670	40.8	56.0	15.2	35.4	46.0	10.6

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.166	49.4	65.2	15.8	39.7	55.2	15.5
0.402	50.2	57.8	7.6	39.4	47.8	8.4
0.562	45.7	56.0	10.3	37.1	46.0	8.9
3.798	46.3	56.0	9.7	37.8	46.0	8.2

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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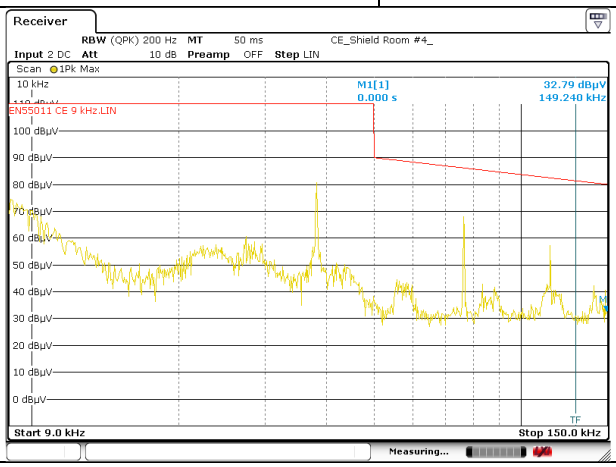
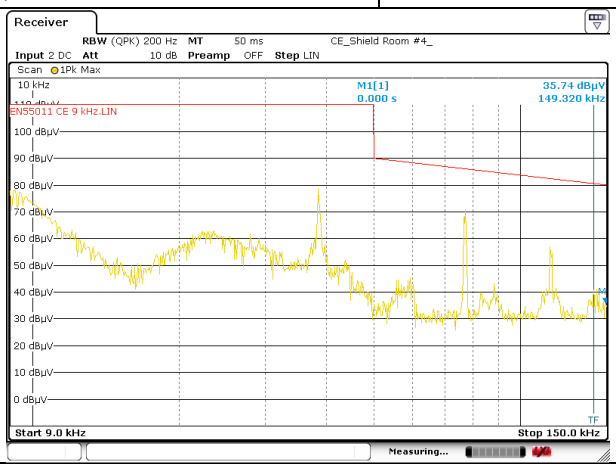
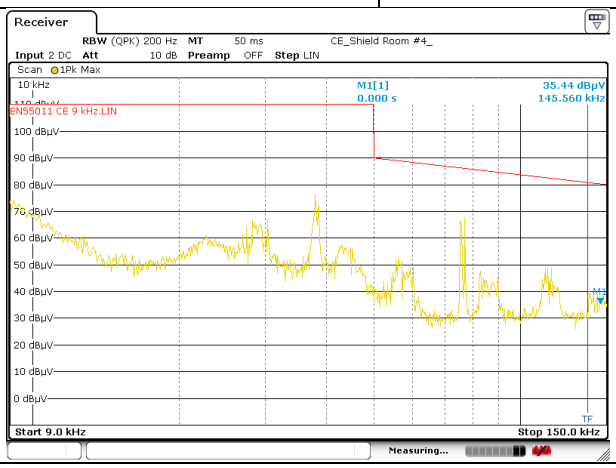
***Spectral Diagrams - Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
				

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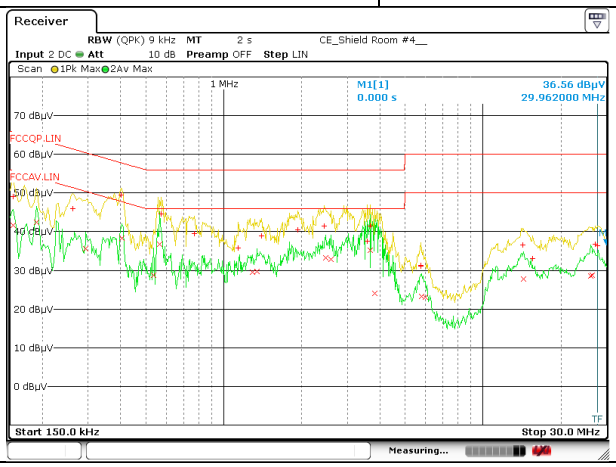
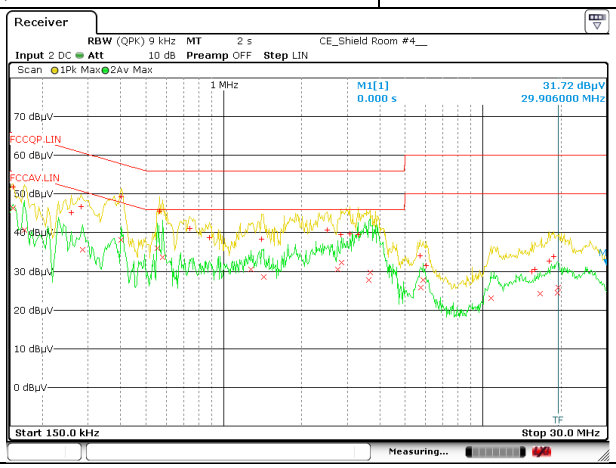
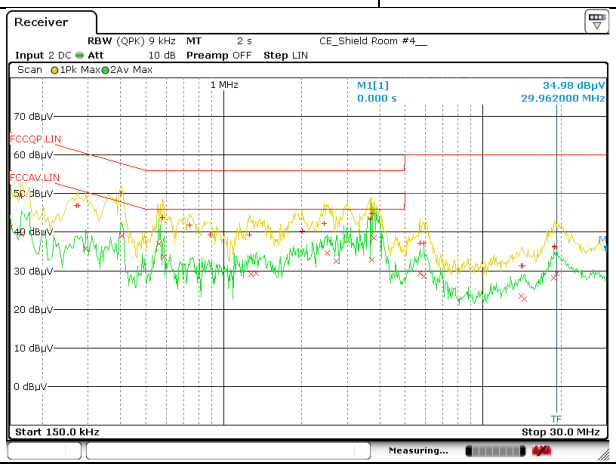
***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
				

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5.6.5. Operating condition: Cooking element #5

Measurement table - *Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains				Verdict
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	69.0	110.0	41.0
0.074	69.9	86.4	16.5
0.112	45.2	82.7	37.5

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	74.5	110.0	35.5
0.074	74.4	86.4	12.0
0.112	46.6	82.7	36.1

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	68.4	110.0	41.6
0.074	68.1	86.4	18.3
0.112	44.2	82.7	38.5

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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Measurement table - Conducted Emission, 0.15 MHz to 30 MHz, AC mains				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.170	49.4	65.0	15.6	41.1	55.0	13.9
0.402	50.4	57.8	7.4	39.0	47.8	8.8
0.558	44.9	56.0	11.1	36.1	46.0	9.9
2.486	42.0	56.0	14.0	33.4	46.0	12.6

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.174	48.9	64.8	15.9	40.8	54.8	14.0
0.402	50.2	57.8	7.6	38.9	47.8	8.9
0.566	45.9	56.0	10.1	36.9	46.0	9.1
2.450	42.1	56.0	13.9	34.1	46.0	11.9

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	208 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.150	52.0	66.0	14.0	41.7	56.0	14.3
0.402	50.8	57.8	7.0	39.4	47.8	8.4
0.558	44.9	56.0	11.1	36.0	46.0	10.0
2.478	43.3	56.0	12.7	34.7	46.0	11.3

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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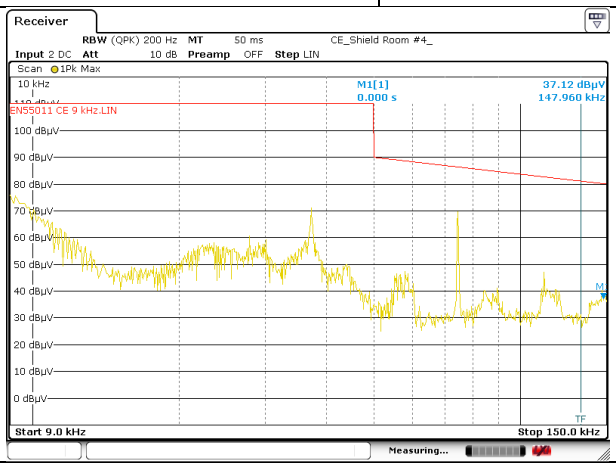
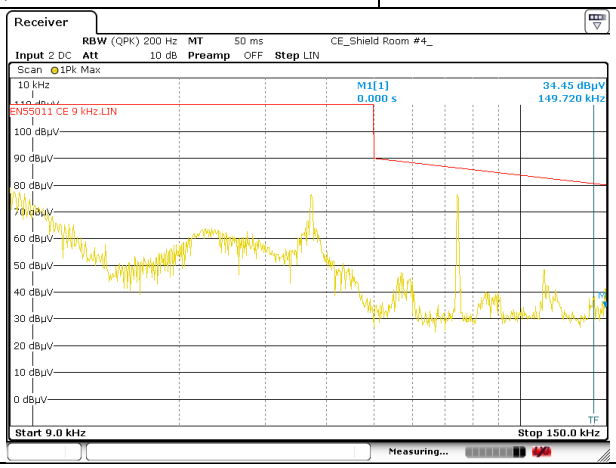
***Spectral Diagrams - Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**

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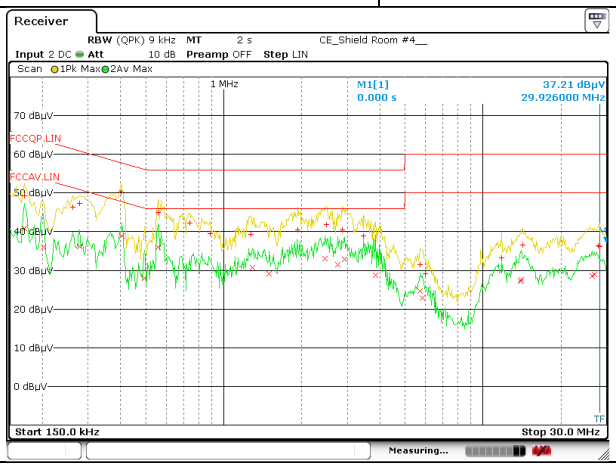
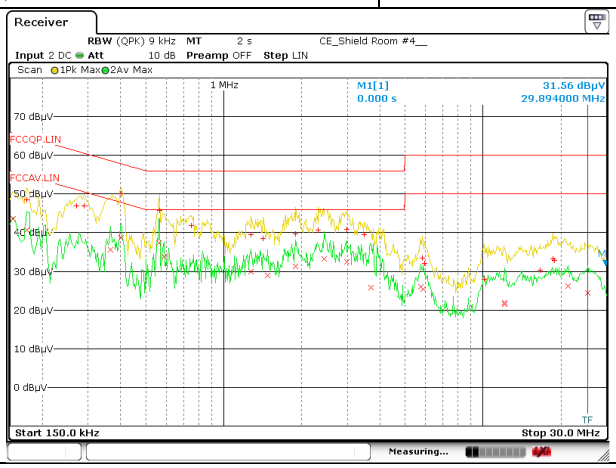
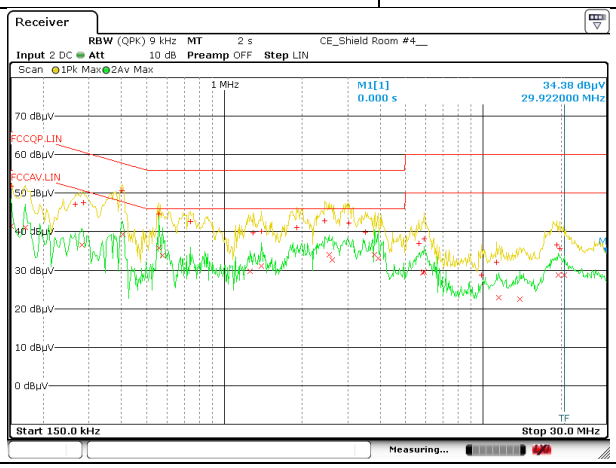
***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
				

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5.6.6. Operating condition: Cooking element #1

Measurement table - *Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains				Verdict
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	85.9	110.0	24.1
0.074	69.4	86.5	17.1
0.110	45.7	82.8	37.1

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.038	87.5	110.0	22.5
0.075	74.8	86.3	11.5
0.113	43.9	82.6	38.7

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	84.4	110.0	25.6
0.074	67.8	86.5	18.7
0.110	47.5	82.8	35.3

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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Measurement table - Conducted Emission, 0.15 MHz to 30 MHz, AC mains				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.178	48.6	64.6	16.0	39.8	54.6	14.8
0.402	50.3	57.8	7.5	39.2	47.8	8.6
0.566	45.7	56.0	10.3	36.6	46.0	9.4
2.478	42.3	56.0	13.7	33.7	46.0	12.3

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.154	47.9	65.8	17.9	37.8	55.8	18.0
0.402	50.5	57.8	7.3	40.7	47.8	7.1
0.554	43.5	56.0	12.5	35.1	46.0	10.9
3.010	41.9	56.0	14.1	34.3	46.0	11.7

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.150	52.5	66.0	13.5	43.5	56.0	12.5
0.402	50.5	57.8	7.3	39.2	47.8	8.6
0.574	44.7	56.0	11.3	34.3	46.0	11.7
3.446	42.5	56.0	13.5	32.4	46.0	13.6

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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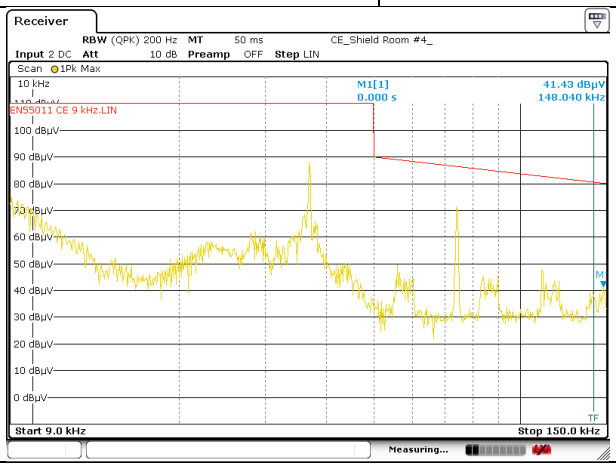
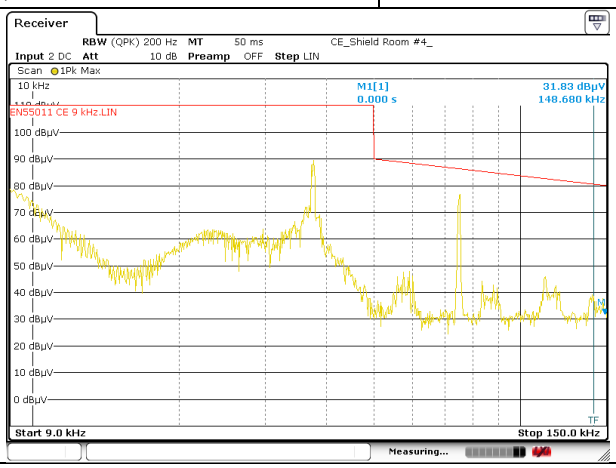
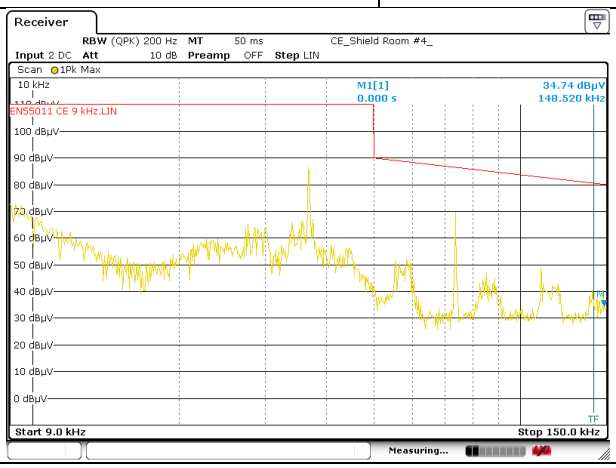
***Spectral Diagrams - Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
				

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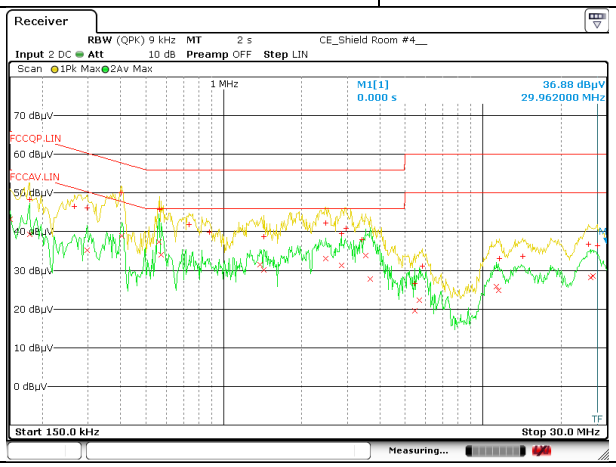
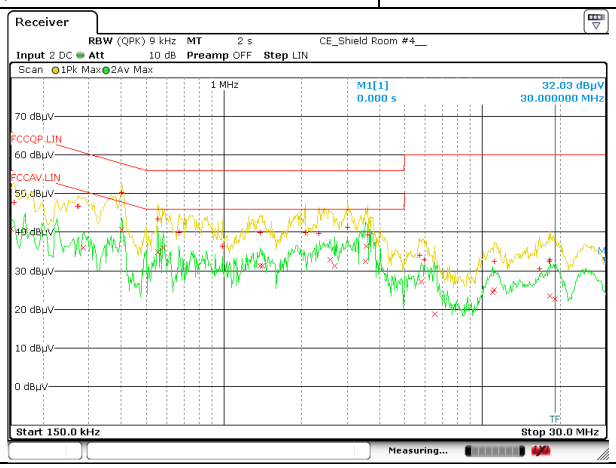
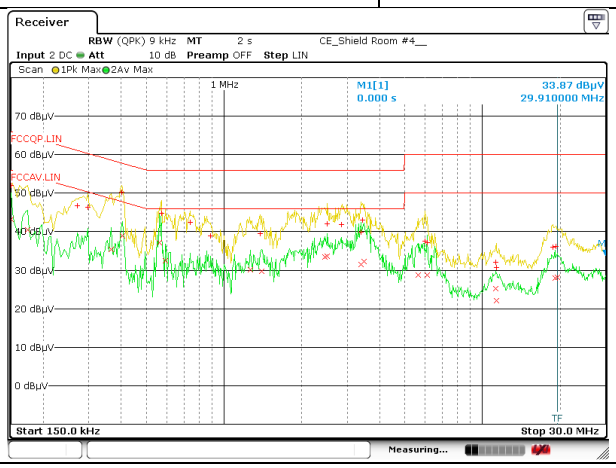
***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
				

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5.6.7. Operating condition: Cooking element #2

Measurement table - *Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains				Verdict
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	80.2	110.0	29.8
0.074	69.6	86.4	16.8
0.111	48.6	82.7	34.1

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	86.0	110.0	24.0
0.074	75.6	86.4	10.8
0.111	46.8	82.8	36.0

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	79.8	110.0	30.2
0.073	68.2	86.5	18.3
0.110	48.0	82.8	34.8

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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Measurement table - Conducted Emission, 0.15 MHz to 30 MHz, AC mains				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.154	48.0	65.8	17.8	38.0	55.8	17.8
0.402	50.2	57.8	7.6	38.9	47.8	8.9
0.562	45.9	56.0	10.1	37.3	46.0	8.7
2.482	42.1	56.0	13.9	33.6	46.0	12.4

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.194	45.2	63.9	18.7	36.2	53.9	17.7
0.402	50.2	57.8	7.6	38.7	47.8	9.1
0.562	46.3	56.0	9.7	37.9	46.0	8.1
2.390	41.6	56.0	14.4	32.9	46.0	13.1

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.150	51.9	66.0	14.1	41.5	56.0	14.5
0.402	50.7	57.8	7.1	39.7	47.8	8.1
0.566	45.7	56.0	10.3	36.8	46.0	9.2
3.486	44.3	56.0	11.7	38.2	46.0	7.8

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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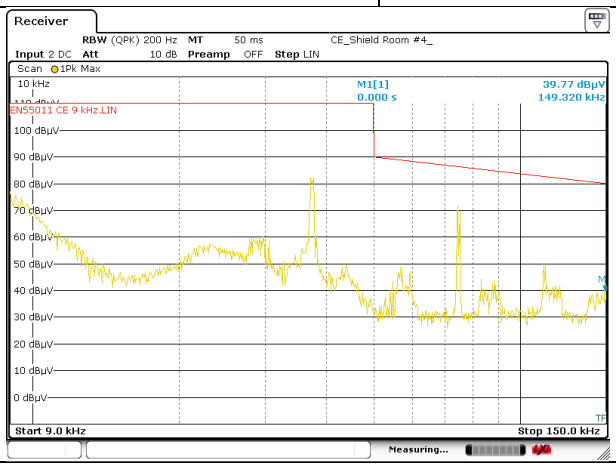
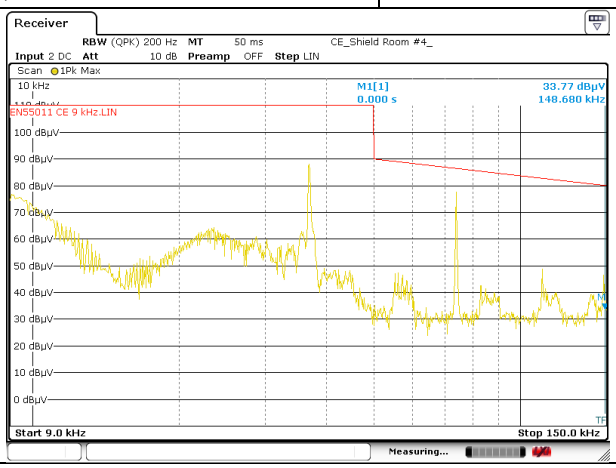
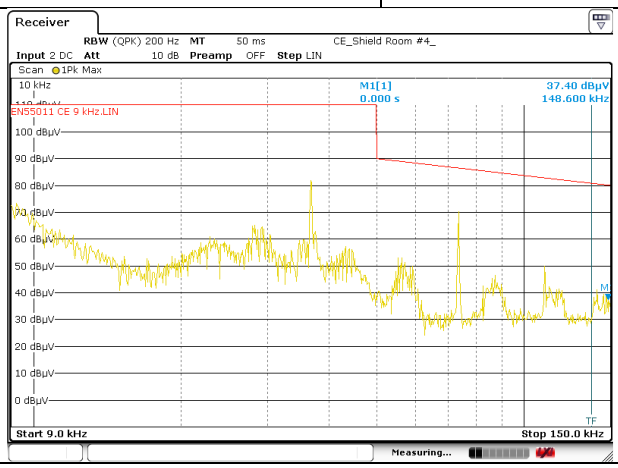
***Spectral Diagrams - Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
				

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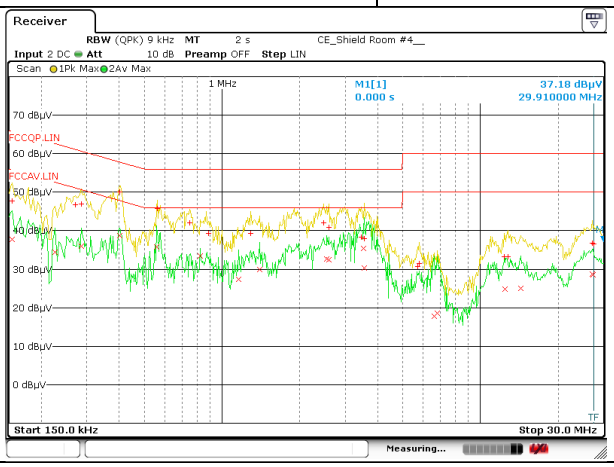
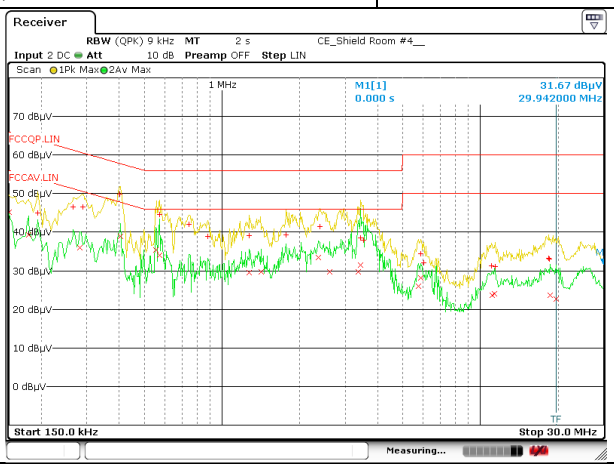
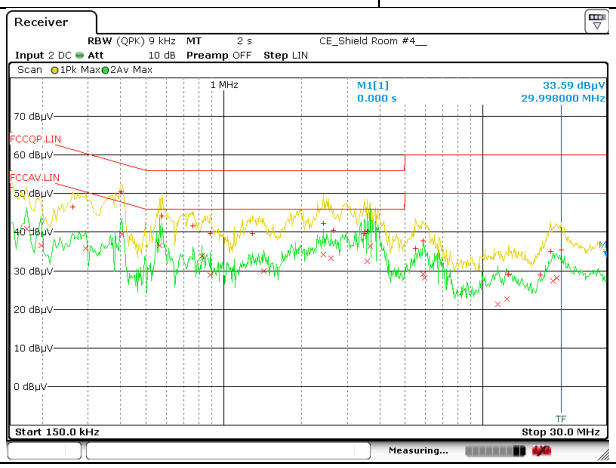
***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
				

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5.6.8. Operating condition: Cooking element #3

Measurement table - *Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains				Verdict
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.040	69.3	110.0	40.7
0.079	68.2	85.8	17.6
0.119	53.8	82.1	28.3

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.040	71.8	110.0	38.2
0.079	73.6	85.8	12.2
0.119	53.9	82.1	28.2

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.040	70.0	110.0	40.0
0.079	69.2	85.8	16.6
0.119	53.1	82.1	29.0

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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Measurement table - Conducted Emission, 0.15 MHz to 30 MHz, AC mains				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.182	46.4	64.4	18.0	36.4	54.4	18.0
0.402	50.6	57.8	7.2	39.3	47.8	8.5
0.566	46.0	56.0	10.0	37.0	46.0	9.0
2.430	41.8	56.0	14.2	33.3	46.0	12.7

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.150	52.1	66.0	13.9	44.1	56.0	11.9
0.402	50.5	57.8	7.3	39.7	47.8	8.1
0.558	45.0	56.0	11.0	36.2	46.0	9.8
2.414	41.5	56.0	14.5	32.9	46.0	13.1

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.178	49.0	64.6	15.6	39.7	54.6	14.9
0.406	50.8	57.7	6.9	39.9	47.7	7.8
0.562	46.0	56.0	10.0	37.5	46.0	8.5
2.486	42.7	56.0	13.3	34.3	46.0	11.7

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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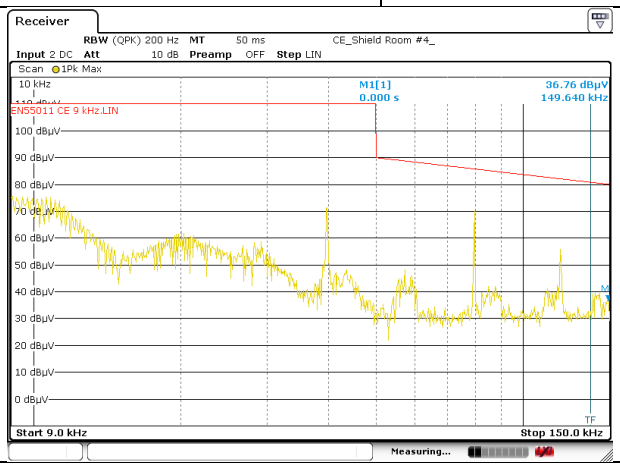
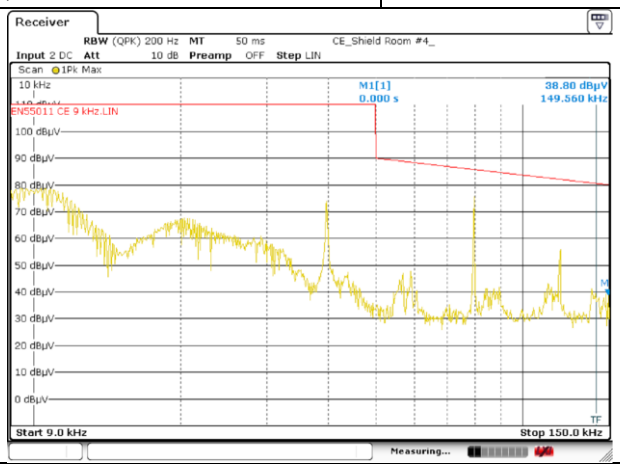
***Spectral Diagrams - Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**

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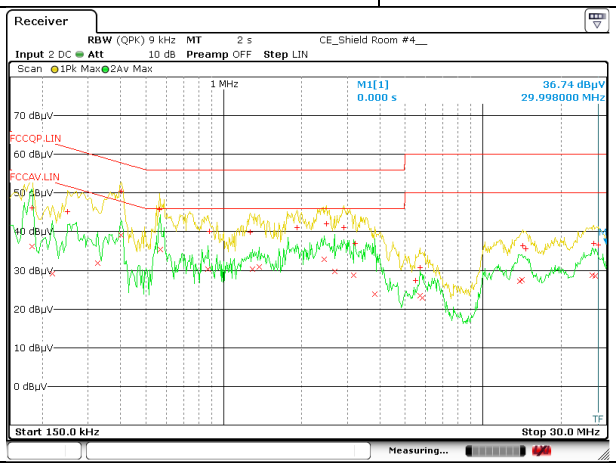
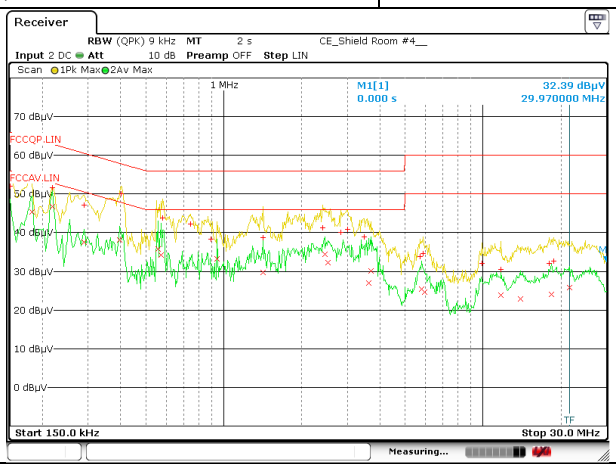
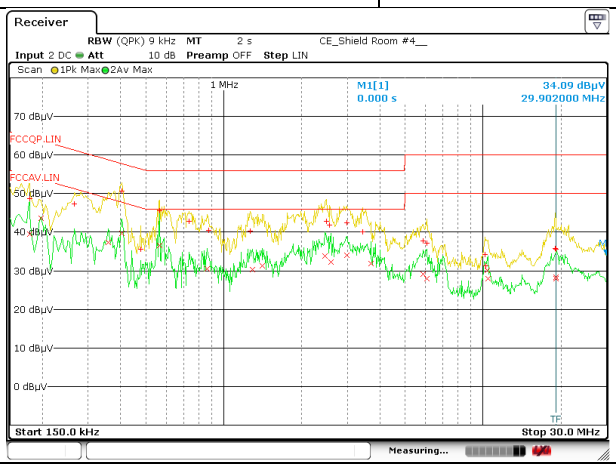
***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
				

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5.6.9. Operating condition: Cooking element #4

Measurement table - *Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains				Verdict
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.038	77.3	110.0	32.7
0.075	66.4	86.3	19.9
0.113	54.5	82.6	28.1

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	76.0	110.0	34.0
0.075	73.1	86.3	13.2
0.112	54.2	82.6	28.4

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.038	75.2	110.0	34.8
0.076	67.3	86.2	18.9
0.113	52.4	82.5	30.1

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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Measurement table - Conducted Emission, 0.15 MHz to 30 MHz, AC mains				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.170	49.2	65.0	15.8	41.0	55.0	14.0
0.402	50.1	57.8	7.7	39.1	47.8	8.7
0.558	45.0	56.0	11.0	36.0	46.0	10.0
2.446	43.4	56.0	12.6	36.3	46.0	9.7

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.174	49.3	64.8	15.5	43.0	54.8	11.8
0.406	50.1	57.7	7.6	39.4	47.7	8.3
0.562	46.0	56.0	10.0	37.2	46.0	8.8
2.458	41.9	56.0	14.1	33.6	46.0	12.4

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.150	52.2	66.0	13.8	43.5	56.0	12.5
0.406	50.3	57.7	7.4	39.3	47.7	8.4
0.570	45.6	56.0	10.4	35.7	46.0	10.3
3.594	43.0	56.0	13.0	37.2	46.0	8.8

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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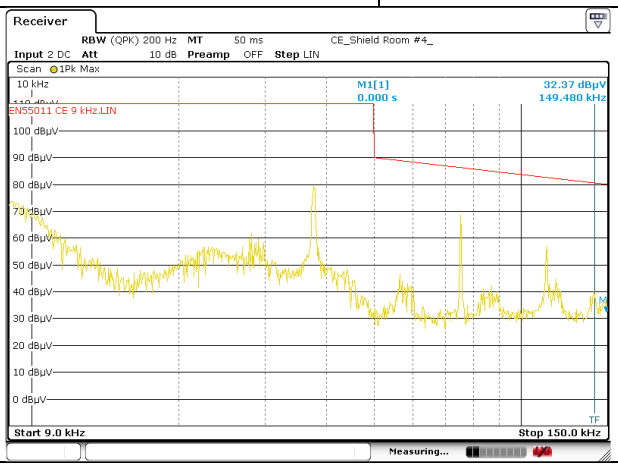
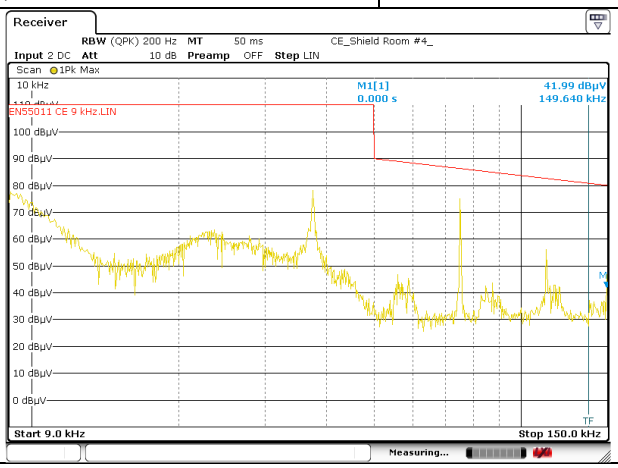
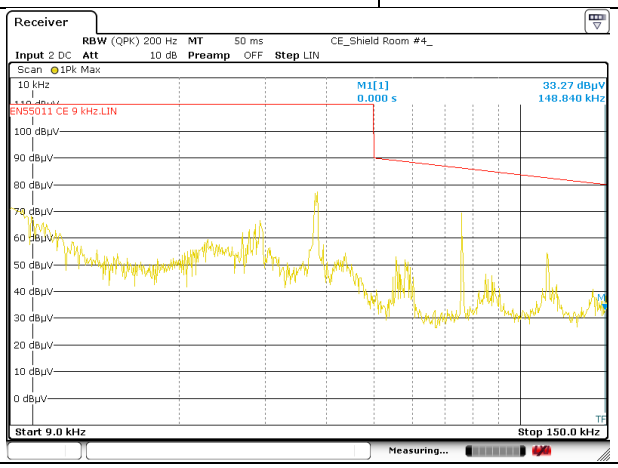
***Spectral Diagrams - Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
				

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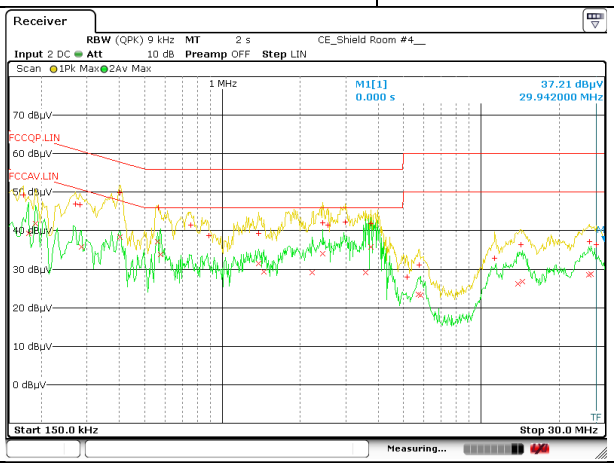
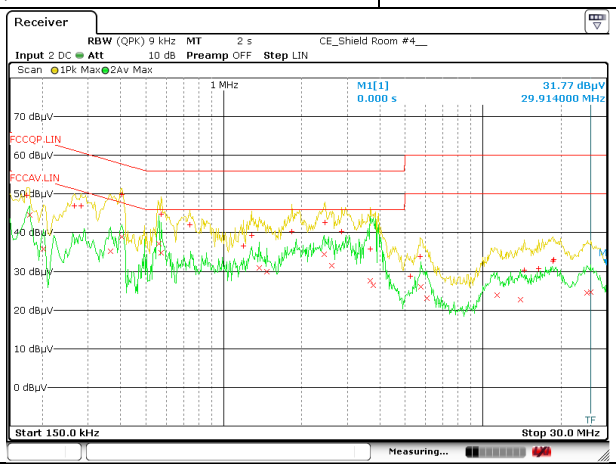
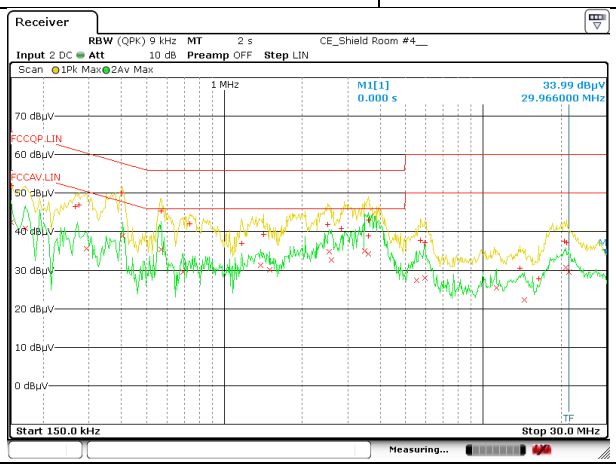
***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
				

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5.6.10. Operating condition: Cooking element #5

Measurement table - *Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains				Verdict
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	71.3	110.0	38.7
0.075	68.7	86.3	17.6
0.112	49.5	82.6	33.1

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	78.9	110.0	31.1
0.075	72.9	86.3	13.4
0.112	49.9	82.6	32.7

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.037	71.8	110.0	38.2
0.075	68.1	86.3	18.2
0.112	48.7	82.7	34.0

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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Measurement table - Conducted Emission, 0.15 MHz to 30 MHz, AC mains				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.150	51.7	66.0	14.3	41.3	56.0	14.7
0.406	50.6	57.7	7.1	39.6	47.7	8.1
0.562	46.0	56.0	10.0	37.3	46.0	8.7
2.446	42.2	56.0	13.8	33.6	46.0	12.4

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.150	51.7	66.0	14.3	41.3	56.0	14.7
0.406	50.5	57.7	7.2	39.5	47.7	8.2
0.562	46.0	56.0	10.0	37.3	46.0	8.7
2.458	42.5	56.0	13.5	34.6	46.0	11.4

The measured value included and revised all related factor (LISN attenuation, Cable loss)

Test voltage	240 V, 60 Hz	Measured terminal	N	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin	Disturbance Level [dBuV]	Permitted Limit [dBuV]	Margin
0.170	49.6	65.0	15.4	41.4	55.0	13.6
0.402	50.8	57.8	7.0	39.3	47.8	8.5
0.562	46.1	56.0	9.9	37.9	46.0	8.1
2.914	42.9	56.0	13.1	34.8	46.0	11.2

The measured value included and revised all related factor (LISN attenuation, Cable loss)

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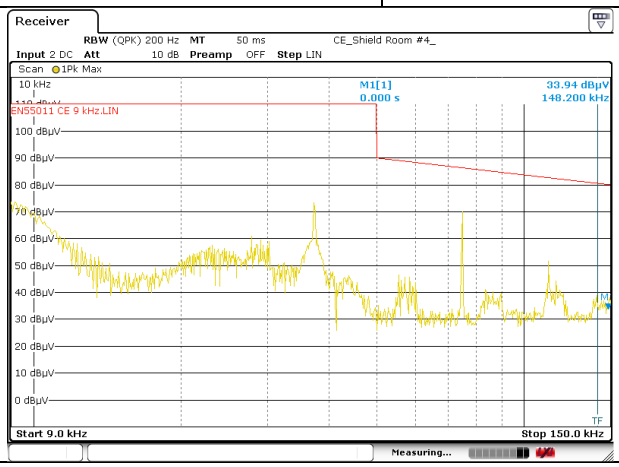
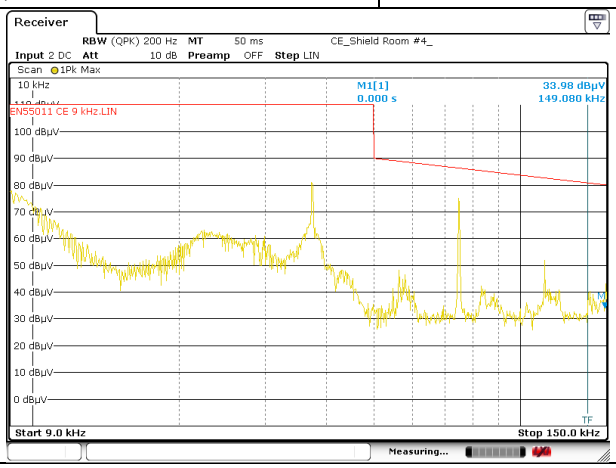
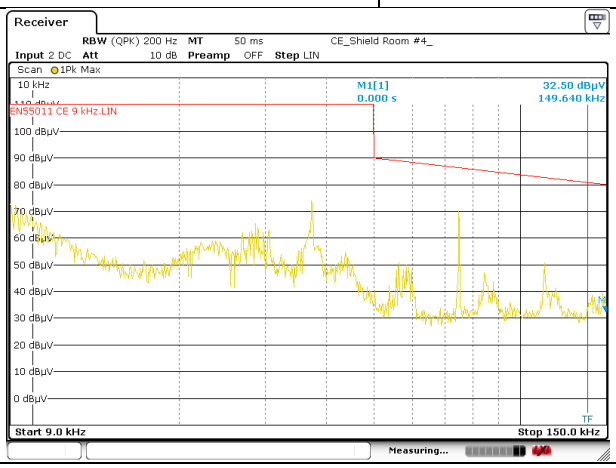
***Spectral Diagrams - Conducted Emission*, 0.09 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
				

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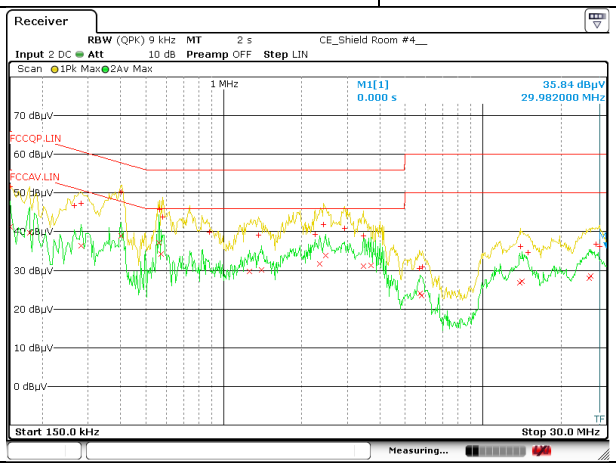
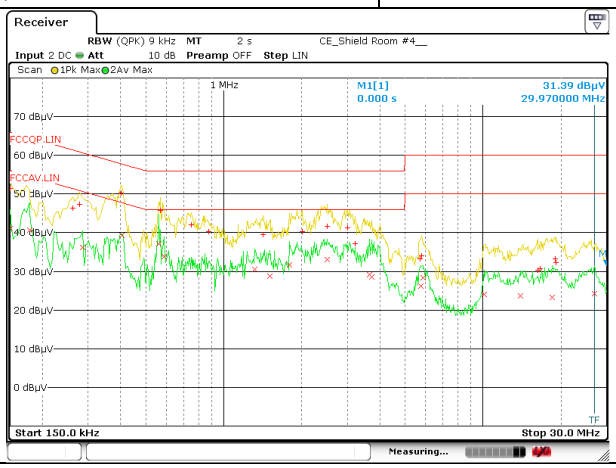
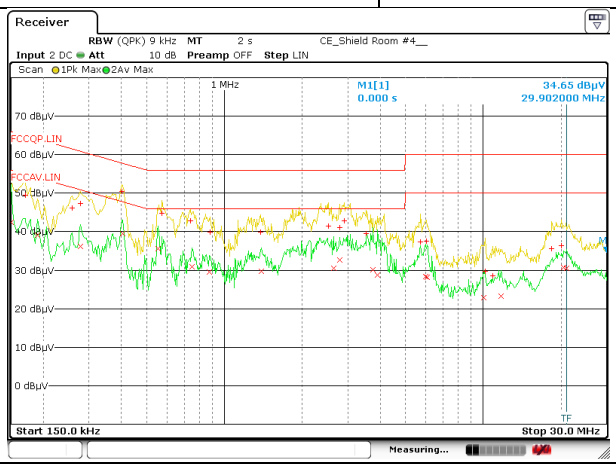
***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	L2	**P**
				
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
				

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6. Radiated Emission

6.1 Operating Environment

Temperature	:	24.9 ℃
Relative Humidity	:	44.1 % R.H.
Air Pressure	:	101.6 kPa

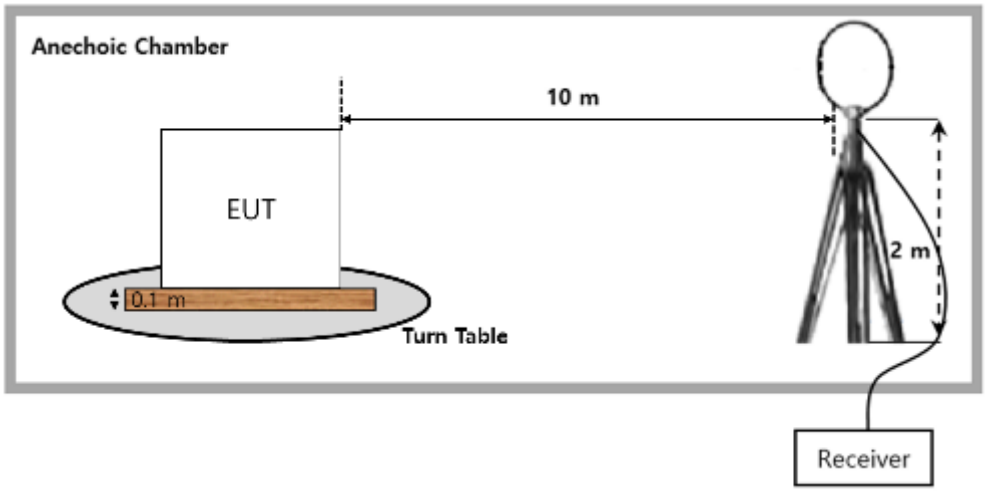
6.2 Test Set-up

The Radiated emission measurements were conducted at the worst test conditions.
The measurements of below 1 GHz were made at 10 m Semi Anechoic Chamber.

The frequency range of 9 kHz to 30 MHz, The EUT was placed on a non-conductive turn-table approximately 0.8 m(table top equipment) or 0.1 m(Floor standing equipment) above the ground plane. The turn-table shall rotate 360 degrees to determine the position of maximum emission level. The EUT is set 10 m away from the receiving antenna, which fixed 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.

All frequencies were investigated in both horizontal and vertical antenna polarity.

The frequency range of 9 kHz to 30 MHz, The EUT was place on a 0.1 m high non-metallic table.



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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
Radiated emissions (30MHz ~ 1GHz)	4.7 dB	Confidence level of approximately 95 % (*k* = 2)
Radiated emissions (1GHz ~ 4.5GHz)	4.7 dB	Confidence level of approximately 95 % (*k* = 2)
Radiated emissions (4.5GHz ~ 18GHz)	4.7 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.

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6.4 Limit

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (uV/m)	Distance (meters)
Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500 500 or more	25 25×SQRT(power/500)	300 [1]300
	Any non-ISM frequency	Below 500 500 or more	15 15×SQRT(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/F(kHz) 2,400/F(kHz)× SQRT(power/500)	300 [3]300
	490 to 1,600 kHz Above 1,600 kHz	Any Any	24,000/F(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 μV/m at 1600 meters. Consumer equipment operating below 1000 MHz is not permitted the increase in field strength otherwise permitted here for power over 500 watts.
2) Reduced to the greatest extent possible.
3) Field strength may not exceed 10 μV/m at 1600 meters. Consumer equipment is not permitted the increase in field strength otherwise permitted here for over 500 watts.
4) Induction cooking ranges manufactured prior to February 1, 1980, shall be subject to the field strength limits for miscellaneous ISM equipment.

6.5 Test Equipment

Description	Model Name	Manufacturer	Serial Number	Due to Calibration
Loop Ant.	HLA6121	TESEQ	45747	2026-07-01
EMI Receiver	ESU 26	ROHDE & SCHWARZ	100164	2025-07-01
Cable #1	RG223	Sucoflex	LE253	2025-07-05
Cable #2	Sucoflex 106	Sucoflex	13419/6	2025-07-05

All test equipment used is calibrated on a regular basis.

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6.6 Test data for Radiated Emission

-. Test Date : April. 25, 2025 ~ April. 29, 2025
-. Resolution Bandwidth : 200 Hz (9 kHz ~ 0.15 MHz) / 9kHz (0.15 MHz ~ 30 MHz)
-. Measurement Distance : 10 m
-. Detector mode : Average
-. Note : frequency range to be scanned up to 30 MHz, because the frequency band in which the EUT operates less than 1.705 MHz

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 All measurements were recorded using a spectrum analyzer employing an average detector for below 30 MHz.
Note.3 “V”= Vertical , “H” = Horizontal
Note.4 cooking element “1”= rear left hob, “2”= front left hob, “3”=center hob,
“4”= rear right hob, “5”= front right hob

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-. Limit Calculations

The highest value measured at 10 m distance was 75.96 dBµV/m (Cooking element #3, Vertical, 208 V). Extrapolation factor was calculated by having additional measurements at 3 m and 5 m as below refer to §18.305 Notes 2 and KDB Publication 629601.

The worst factor was 41.99 and applied to all the other measurements. Compensated limit is 83.53 dBuV/m.

Center (element #3)

Distance	Ant pol.	Frequency (MHz)	Reading (dBµV/m)
3	H	0.035	103.9
	V	0.035	105.1
5	H	0.034	88.5
	V	0.034	88.6
10	H	0.034	75.2
	V	0.034	76.0

3 to 5 (H)	69.42
3 to 5 (V)	74.40
3 to 10 (H)	54.89
3 to 10 (V)	55.73
5 to 10 (H)	44.18
5 to 10 (V)	41.99

1. Field Strength Limit [µV/m] = 1,500 [µV/m] = 63.5 [dBµV/m] at 30 m

2. Distance extrapolation factor = [FS(d2) - FS(d1)] / log10(d1/d2) where
- d1 and d2 are the measurement distances (d2 > d1) in m
- FS(d1) is the field strength at d1 in dBµV/m
- FS(d2) is the field strength at d2 in dBµV/m

[76.0 – 88.6] / log(5/10) = 41.99

3. Field Strength Limit with Distance Extrapolation Factor
63.5 (dBµV/m) + (Distance Extrapolation Factor) * Log([d limit]/[d measure])
= 63.5 [dBuV/m] + 41.99 * log (30 [m]/10 [m]) = 83.53 [dBµV/m] at 10 m

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6.6.1. Operating condition: Cooking element #1

Measurement table – *Magnetic Field*, 0.09 MHz to 30 MHz				Verdict
Test voltage	208 V, 60 Hz	Polarization	Horizontal	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	74.7	83.5	63.5	8.8
0.075	49.3	83.5	63.5	34.2
0.664	33.6	83.5	63.5	49.9

The measured disturbance level includes all related factor. (Ant., Cable loss).

Test voltage	208 V, 60 Hz	Polarization	Vertical	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	75.2	83.5	63.5	8.3
0.111	45.5	83.5	63.5	38.0
0.654	34.0	83.5	63.5	49.5

The measured disturbance level includes all related factor. (Ant., Cable loss).

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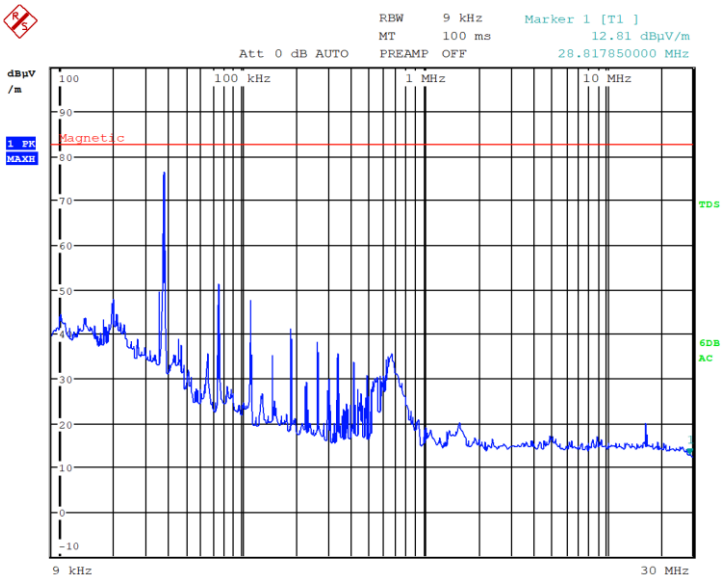
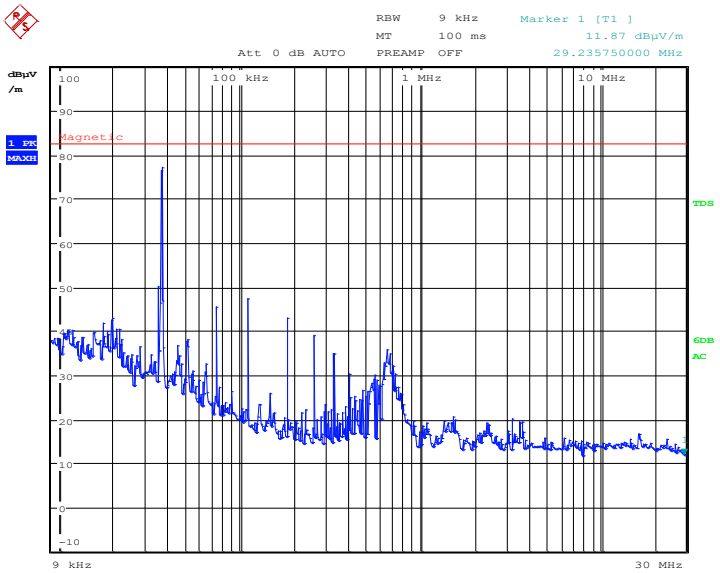
***Spectral Diagrams - Magnetic Field*, 0.09 MHz to 30 MHz**				**Verdict**
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**
			
Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**
			

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6.6.2. Operating condition: Cooking element #2

Measurement table – *Magnetic Field*, 0.09 MHz to 30 MHz				Verdict
Test voltage	208 V, 60 Hz	Polarization	Horizontal	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	75.3	83.5	63.5	8.2
0.110	51.0	83.5	63.5	32.5
0.679	34.0	83.5	63.5	49.5

The measured disturbance level includes all related factor. (Ant., Cable loss).

Test voltage	208 V, 60 Hz	Polarization	Vertical	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	75.0	83.5	63.5	8.5
0.074	49.6	83.5	63.5	33.9
0.679	33.4	83.5	63.5	50.1

The measured disturbance level includes all related factor. (Ant., Cable loss).

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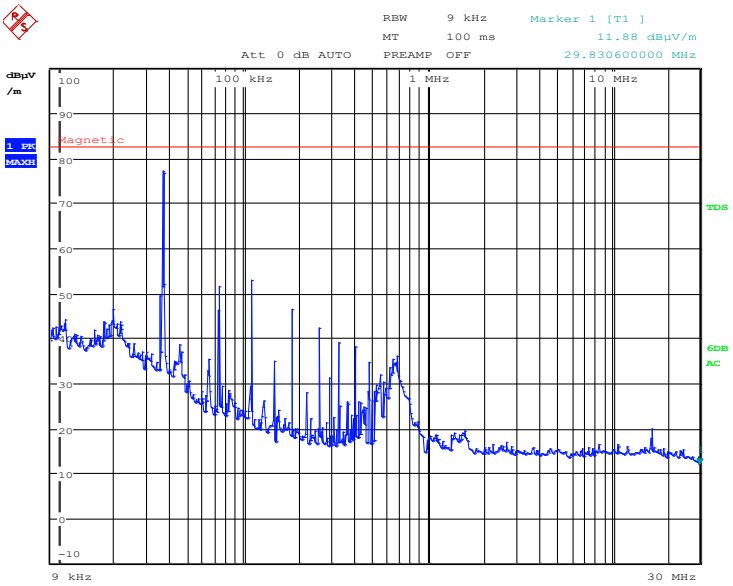
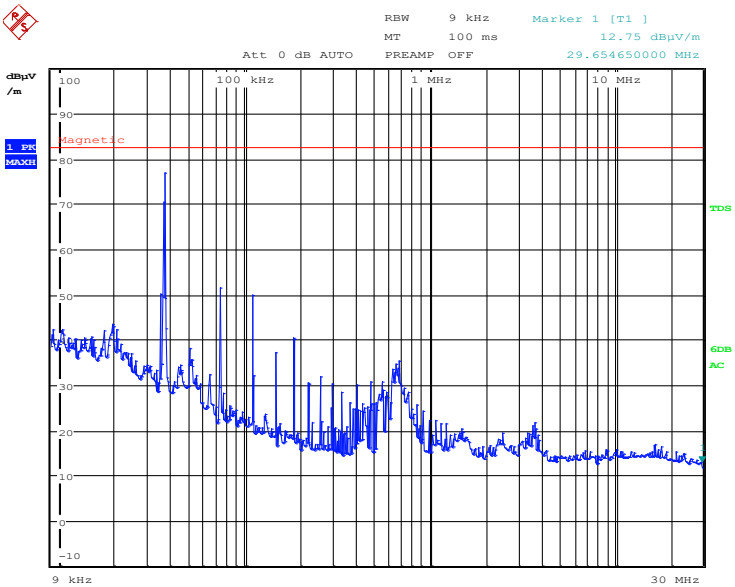
***Spectral Diagrams - Magnetic Field*, 0.09 MHz to 30 MHz**				**Verdict**
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**



Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**



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6.6.3. Operating condition: Cooking element #3

Measurement table – *Magnetic Field*, 0.09 MHz to 30 MHz				Verdict
Test voltage	208 V, 60 Hz	Polarization	Horizontal	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.034	75.2	83.5	63.5	8.3
0.103	50.6	83.5	63.5	32.9
0.679	33.7	83.5	63.5	49.8

The measured disturbance level includes all related factor. (Ant., Cable loss).

Test voltage	208 V, 60 Hz	Polarization	Vertical	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.034	76.0	83.5	63.5	7.5
0.068	52.5	83.5	63.5	31.0
0.653	32.6	83.5	63.5	50.9

The measured disturbance level includes all related factor. (Ant., Cable loss).

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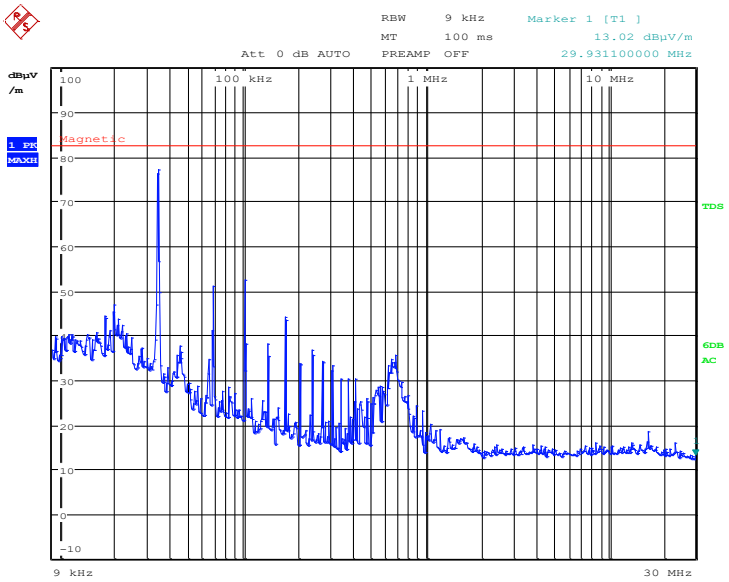
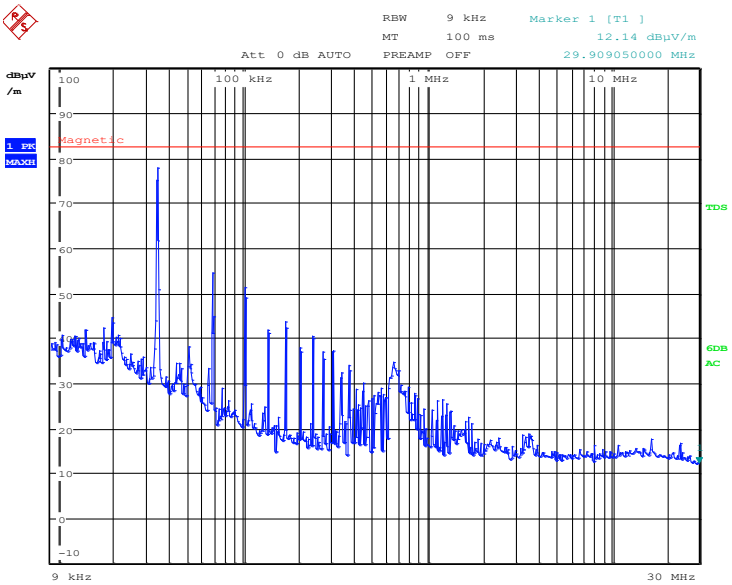
***Spectral Diagrams - Magnetic Field*, 0.09 MHz to 30 MHz**				**Verdict**
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**
				
Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**
				

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6.6.4. Operating condition: Cooking element #4

Measurement table – *Magnetic Field*, 0.09 MHz to 30 MHz				**Verdict**
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	74.9	83.5	63.5	8.6
0.111	49.3	83.5	63.5	34.2
0.654	33.4	83.5	63.5	50.1

The measured disturbance level includes all related factor. (Ant., Cable loss).

Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	74.9	83.5	63.5	8.6
0.112	54.1	83.5	63.5	29.4
0.654	32.8	83.5	63.5	50.7

The measured disturbance level includes all related factor. (Ant., Cable loss).

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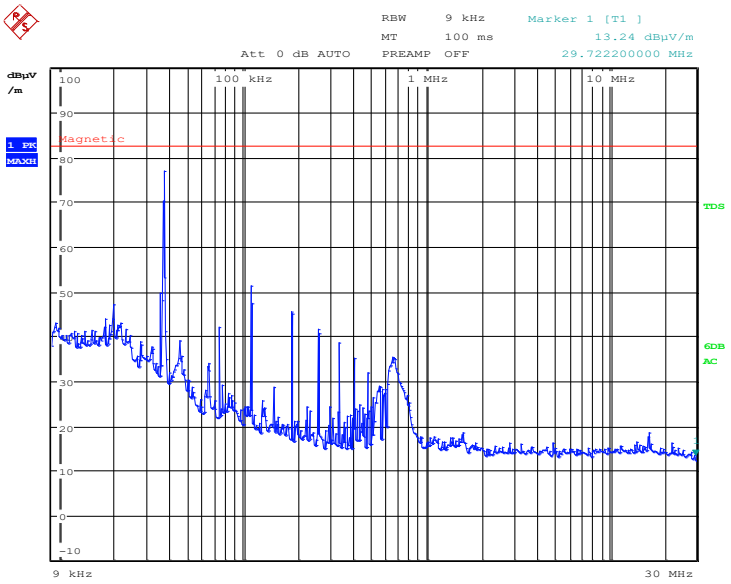
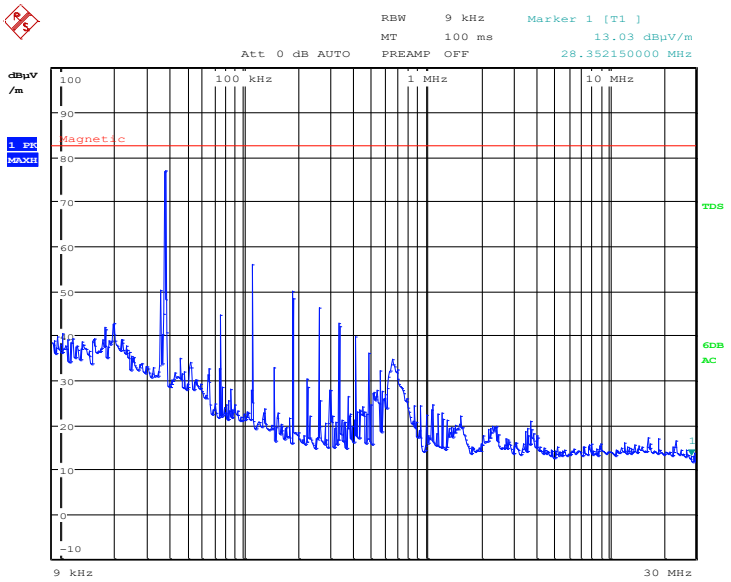
***Spectral Diagrams - Magnetic Field*, 0.09 MHz to 30 MHz**				**Verdict**
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**



Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**



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6.6.5. Operating condition: Cooking element #5

Measurement table – *Magnetic Field*, 0.09 MHz to 30 MHz				Verdict
Test voltage	208 V, 60 Hz	Polarization	Horizontal	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	74.0	83.5	63.5	9.5
0.112	44.9	83.5	63.5	38.6
0.654	33.1	83.5	63.5	50.4

The measured disturbance level includes all related factor. (Ant., Cable loss).

Test voltage	208 V, 60 Hz	Polarization	Vertical	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	75.0	83.5	63.5	8.5
0.112	51.8	83.5	63.5	31.7
0.654	33.0	83.5	63.5	50.5

The measured disturbance level includes all related factor. (Ant., Cable loss).

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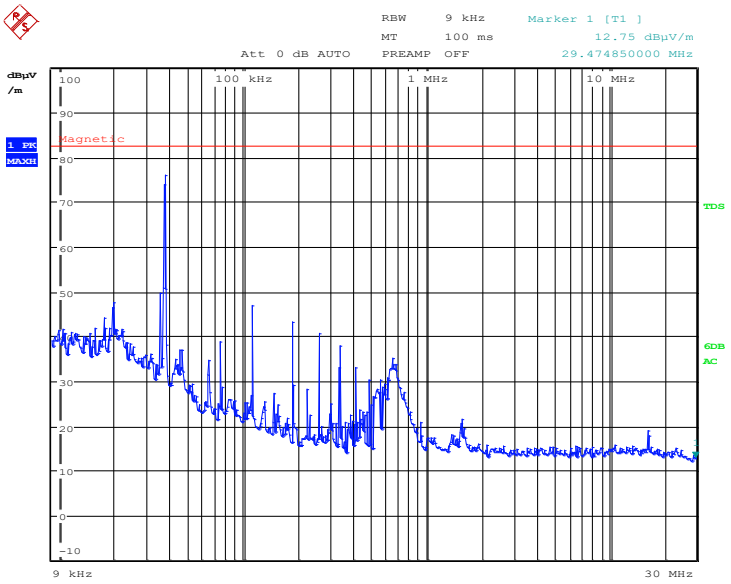
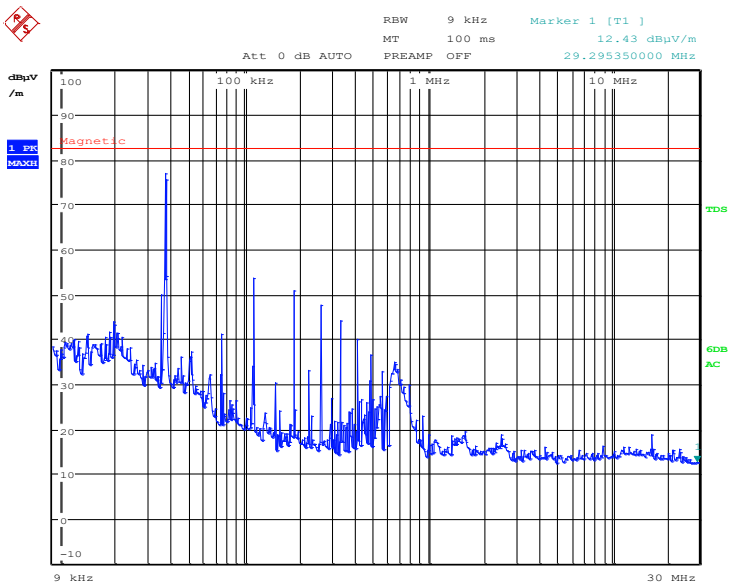
***Spectral Diagrams - Magnetic Field*, 0.09 MHz to 30 MHz**				**Verdict**
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**



Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**



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6.6.6. Operating condition: Cooking element #1

Measurement table – *Magnetic Field*, 0.09 MHz to 30 MHz				Verdict
Test voltage	240 V, 60 Hz	Polarization	Horizontal	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	73.7	83.5	63.5	9.8
0.111	45.9	83.5	63.5	37.6
0.651	31.7	83.5	63.5	51.8

The measured disturbance level includes all related factor. (Ant., Cable loss).

Test voltage	240 V, 60 Hz	Polarization	Vertical	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	75.3	83.5	63.5	8.2
0.111	49.8	83.5	63.5	33.7
0.664	33.1	83.5	63.5	50.4

The measured disturbance level includes all related factor. (Ant., Cable loss).

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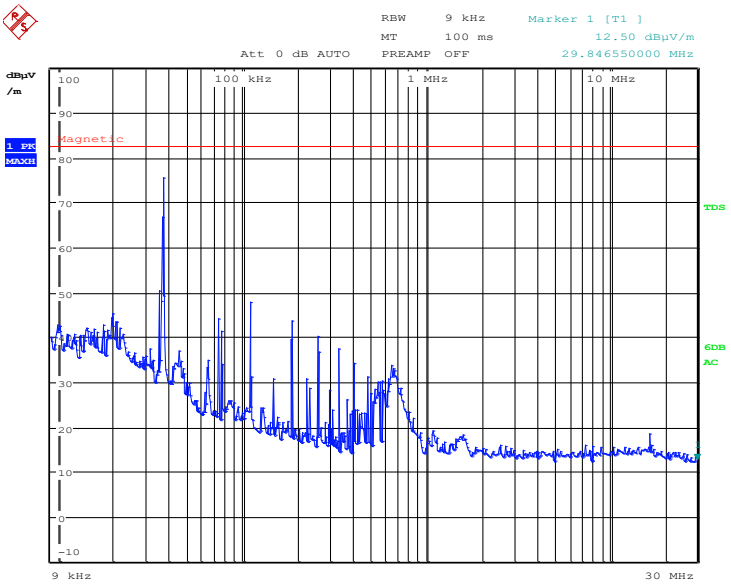
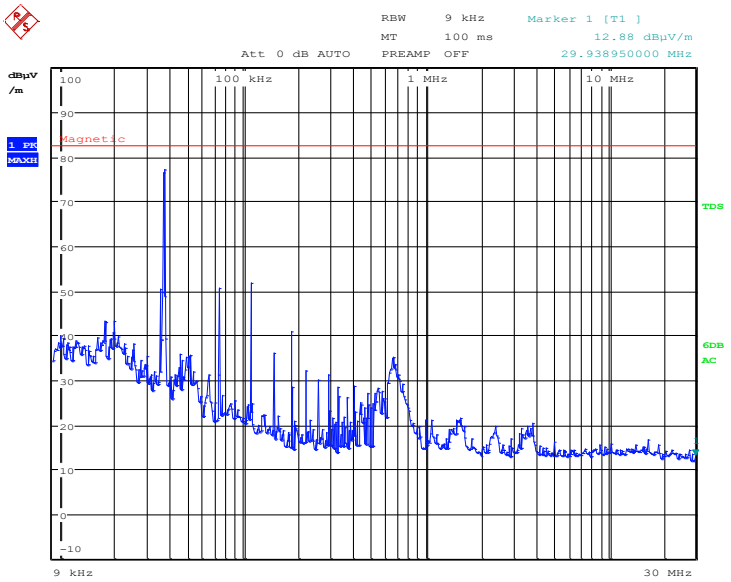
***Spectral Diagrams - Magnetic Field*, 0.09 MHz to 30 MHz**				**Verdict**
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**



Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**



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6.6.7. Operating condition: Cooking element #2

Measurement table – *Magnetic Field*, 0.09 MHz to 30 MHz				Verdict
Test voltage	240 V, 60 Hz	Polarization	Horizontal	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	74.6	83.5	63.5	8.9
0.110	46.9	83.5	63.5	36.6
0.679	33.6	83.5	63.5	49.9

The measured disturbance level includes all related factor. (Ant., Cable loss).

Test voltage	240 V, 60 Hz	Polarization	Vertical	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	74.6	83.5	63.5	8.9
0.074	50.3	83.5	63.5	33.2
0.652	32.3	83.5	63.5	51.2

The measured disturbance level includes all related factor. (Ant., Cable loss).

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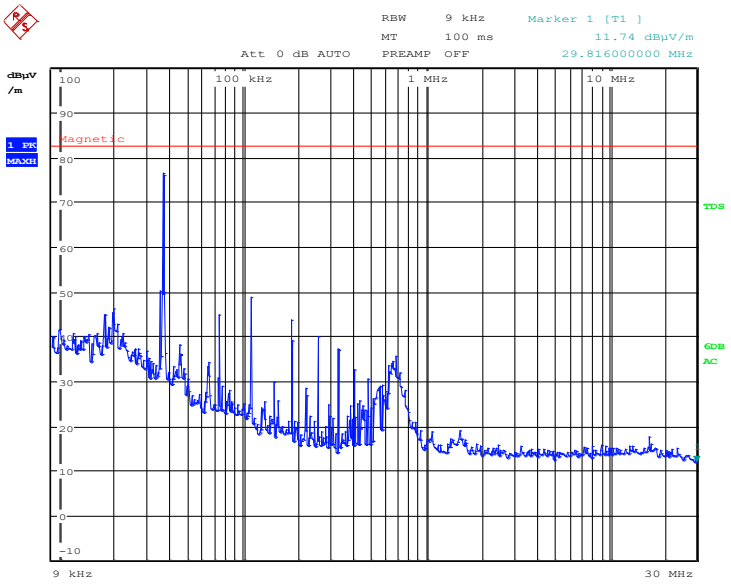
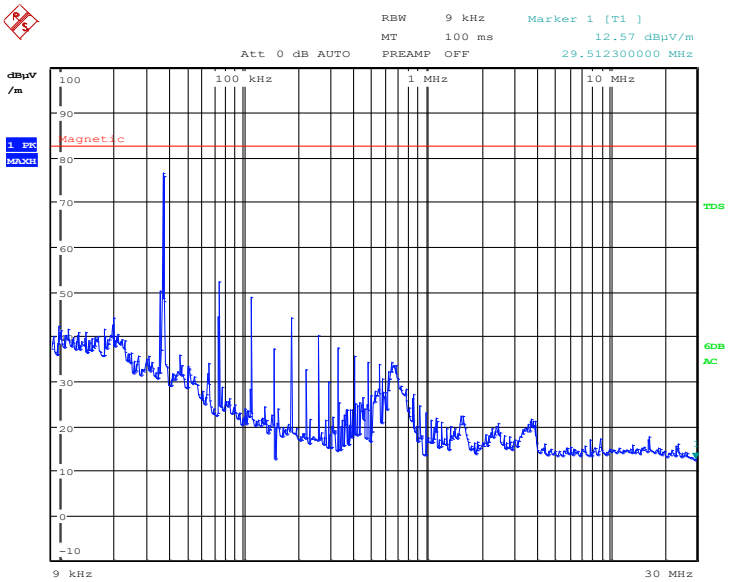
***Spectral Diagrams - Magnetic Field*, 0.09 MHz to 30 MHz**				**Verdict**
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
			
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
			

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6.6.8. Operating condition: Cooking element #3

Measurement table – *Magnetic Field*, 0.09 MHz to 30 MHz				Verdict
Test voltage	240 V, 60 Hz	Polarization	Horizontal	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.034	74.6	83.5	63.5	8.9
0.103	50.8	83.5	63.5	32.7
0.678	33.5	83.5	63.5	50.0

The measured disturbance level includes all related factor. (Ant., Cable loss).

Test voltage	240 V, 60 Hz	Polarization	Vertical	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.034	73.7	83.5	63.5	9.8
0.068	51.7	83.5	63.5	31.8
0.652	32.8	83.5	63.5	50.7

The measured disturbance level includes all related factor. (Ant., Cable loss).

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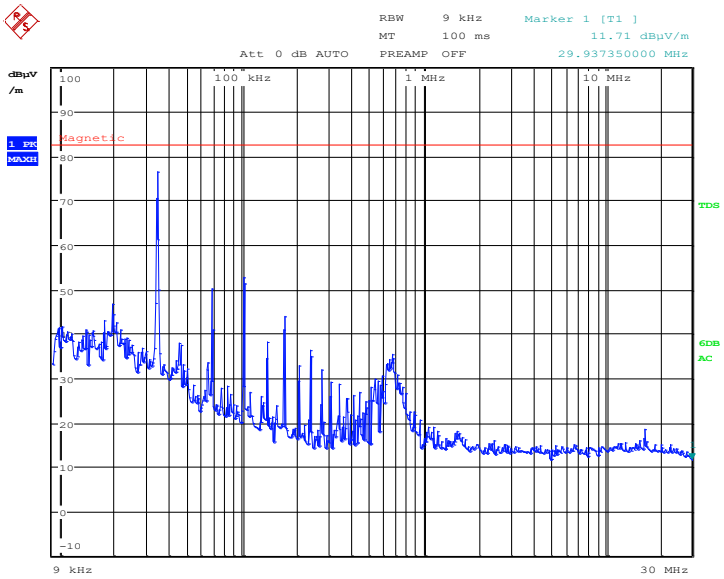
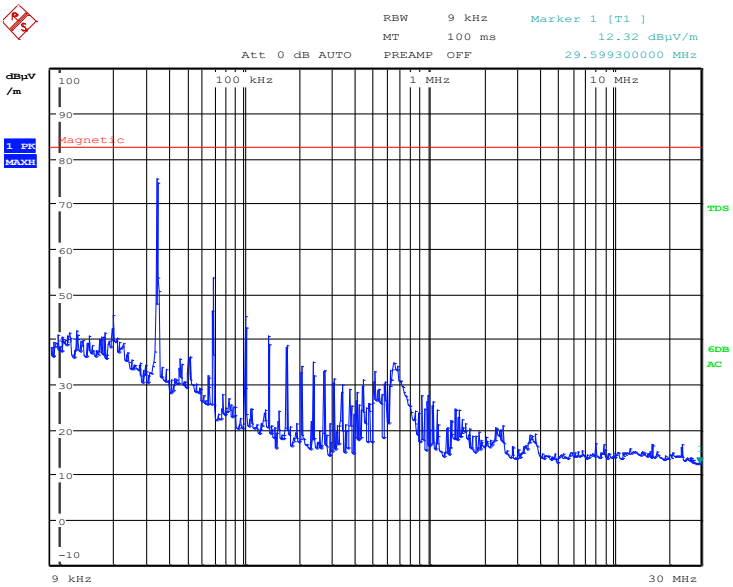
***Spectral Diagrams - Magnetic Field*, 0.09 MHz to 30 MHz**				**Verdict**
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
			
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
			

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6.6.9. Operating condition: Cooking element #4

Measurement table – *Magnetic Field*, 0.09 MHz to 30 MHz				Verdict
Test voltage	240 V, 60 Hz	Polarization	Horizontal	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	74.2	83.5	63.5	9.3
0.111	54.1	83.5	63.5	29.4
0.677	31.7	83.5	63.5	51.8

The measured disturbance level includes all related factor. (Ant., Cable loss).

Test voltage	240 V, 60 Hz	Polarization	Vertical	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	74.3	83.5	63.5	9.2
0.112	49.3	83.5	63.5	34.2
0.664	32.7	83.5	63.5	50.8

The measured disturbance level includes all related factor. (Ant., Cable loss).

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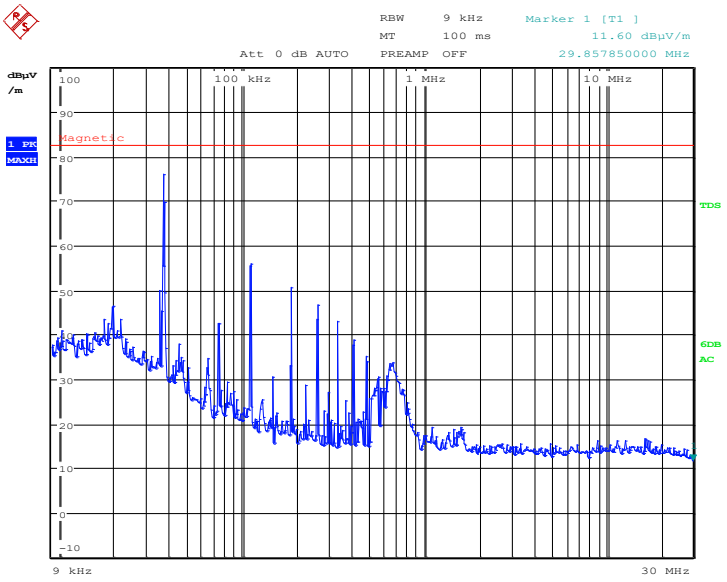
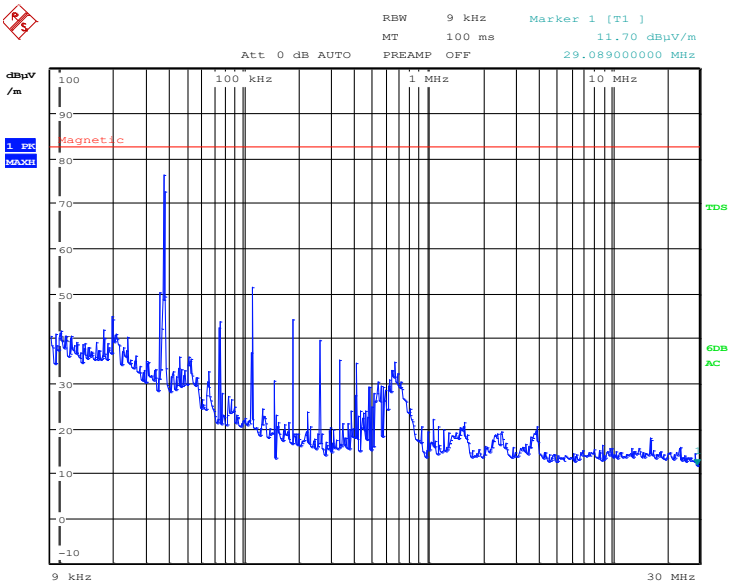
***Spectral Diagrams - Magnetic Field*, 0.09 MHz to 30 MHz**				**Verdict**
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
				
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
				

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6.6.10. Operating condition: Cooking element #5

Measurement table – *Magnetic Field*, 0.09 MHz to 30 MHz				Verdict
Test voltage	240 V, 60 Hz	Polarization	Horizontal	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	73.4	83.5	63.5	10.1
0.112	45.9	83.5	63.5	37.6
0.654	34.2	83.5	63.5	49.3

The measured disturbance level includes all related factor. (Ant., Cable loss).

Test voltage	240 V, 60 Hz	Polarization	Vertical	P

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m]	Permitted Limit [dBuV/m]	Margin
		10 m	30 m	
0.037	75.2	83.5	63.5	8.3
0.112	49.4	83.5	63.5	34.1
0.654	32.3	83.5	63.5	51.2

The measured disturbance level includes all related factor. (Ant., Cable loss).

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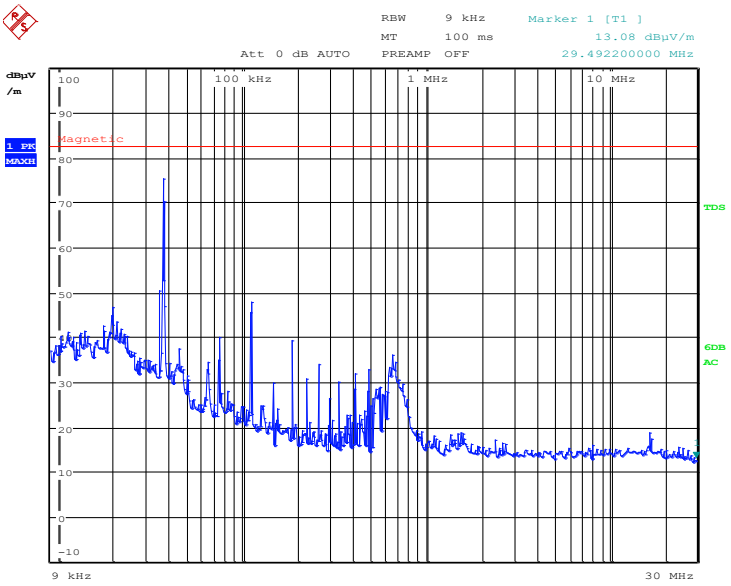
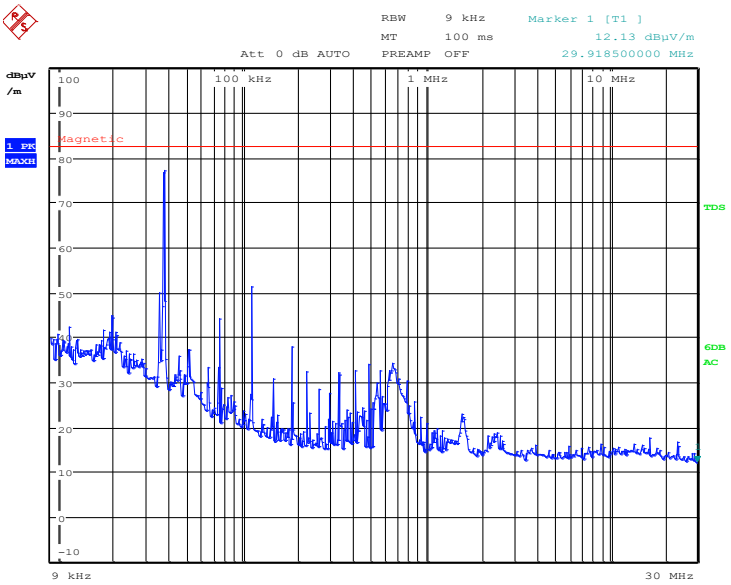
***Spectral Diagrams - Magnetic Field*, 0.09 MHz to 30 MHz**				**Verdict**
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**



Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**



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8. Recommendation & Conclusion

The data collected shows that the **LG Electronics Inc. HOUSEHOLD COOKTOP (Model Name: LPIK3669S)** was complies with §18.305 and 18.307 of the FCC Rules.

- The end

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