TEST REPORT

CERTIFICATION OF COMPLIANCE

Date of Issue: September 25, 2023 **Test Report No: CW011252-230925001_01**
Test Site: LG Electronics H&A EMC Standard Lab.

Applicant:	LG Electronics USA, Inc. 111 Sylvan Avenue North Building Englewood Cliffs, NJ 07632
Product Type:	HOUSEHOLD COOKTOP
Brand Name(s):	LG
Model Name :	CBIS3618B (See 2.1 for Series model names)
Equipment Class:	Industrial, Scientific and Medical equipment
Regulation:	FCC Part 18
Test Procedure:	MP-5: 1986
Date of Receipt:	Sep. 19. 2023
Date of Test:	Sep. 20. 2023 ~ Sep. 24. 2023
FCC ID:	BEJQ50941G

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:

Han Seungbok / Test Engineer
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 USA, Inc.
Address	111 Sylvan Avenue, North Building Englewood Cliffs, NJ 07632
Manufacturer:	LG Electronics Inc
Address	170, Seongsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, 51533, Republic of KOREA
Name of contact:	Hee Jae.Cho
Telephone:	201-266-2215

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	Seungbok.han@lge.com

2. Product Information

2.1 Description of EUT.

EUT is the LG Electronics Inc. Microwave Oven as followings:

Equipment:	HOUSEHOLD COOKTOP
Model:	CBIS3618B
Additional Model Name	CBIS3618BE , CBIS3618B*
Brand name:	LG Electronics.
Serial number:	N/A
Rated Input Voltage:	240/208 VAC , 60 Hz
Max Input Current	44.4 A / 41.6 A
Maximum Power Load	10650 W / 8650 W
Outer Dimensions (inch)	36 5/8" x 3 9/16" x 21 1/16" (W x H x D)
Induction Heating Operating Frequency	30 kHz ~ 40 kHz

Cooking Zone Size & Power

	Position	Size	Power (Level 9 / Boost)
Cooking Zones	Front Left	8 1/2" x 7 1/8" (216 mm x 180 mm)	1500/3000 W (208 V) 1850/3700 W (240 V)
	Front Right	8 3/16" (208 mm)	1500/3000 W (208 V) 1850/3700 W (240 V)
	Rear Left	8 1/2" x 7 1/8" (216 mm x 180 mm)	1500/3000 W (208 V) 1850/3700 W (240 V)
	Rear Right	6" (152 mm)	1150/1450 W (208 V) 1400/1800 W (240 V)
	Flex Left	8 1/2" x 14 3/16" (216 mm x 360 mm)	2700/3000 W (208 V) 3300/3700 W (240 V)
	Center	11" / 8" (283 mm / 178 mm)	Inner Burner: 1500/3000 W (208 V) 1850/3700 W (240 V) Dual Burner: 3000/4900 W (208 V) 3700/6000 W (240 V)

Model CBIS3618B are identical except for the model name according to Buyer Market.
Model CBIS3618B is worst condition, therefore tested representatively for the below mentioned series models.

CBIS3618B*		
Variable	Range of variable	Content
1st *	*A – Z or Blank*	*Buyer Market*

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 208V / 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 80 % of its maximum capacity and worst values is measured in booster mode & Wi-Fi on.

  cooking element “1”= front left hob, ”2”= rear left hob, “3”=front right hob,
  “4”=rear right hob, “5”=center hob

3.2 Auxiliary Equipment / Cable List

3.2.1 Auxiliary Equipment

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

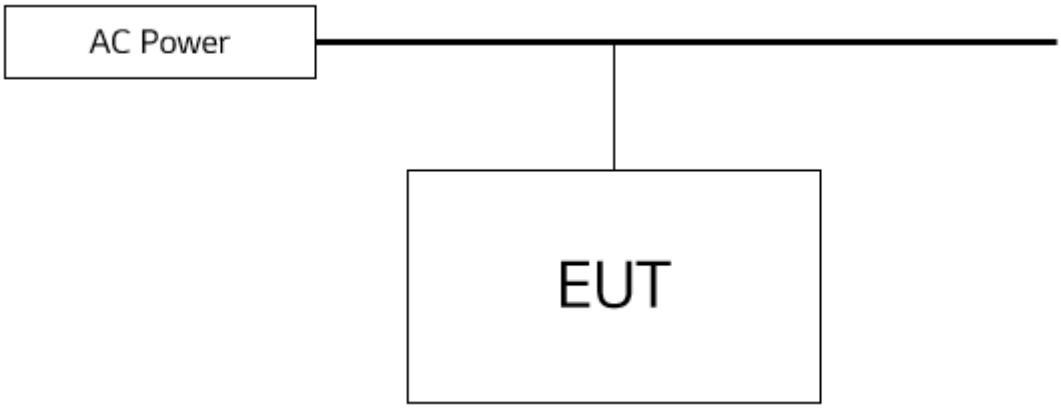
3.2.2 System Configuration

Description	Manufacturer	Model Name	S/N & FCC ID.
WLAN module	LG Electronics	LCW-009	S/N: -. FCC ID.: BEJ-LCW009

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	Unshielded

3.3 Test System Layout



4. Summary of Test Results

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

5. Conducted Emission

5.1 Operating Environment

Temperature	:	24.5 ℃
Relative Humidity	:	46.4 % R.H.
Air Pressure	:	100.5 kPa

5.2 Test Set-up

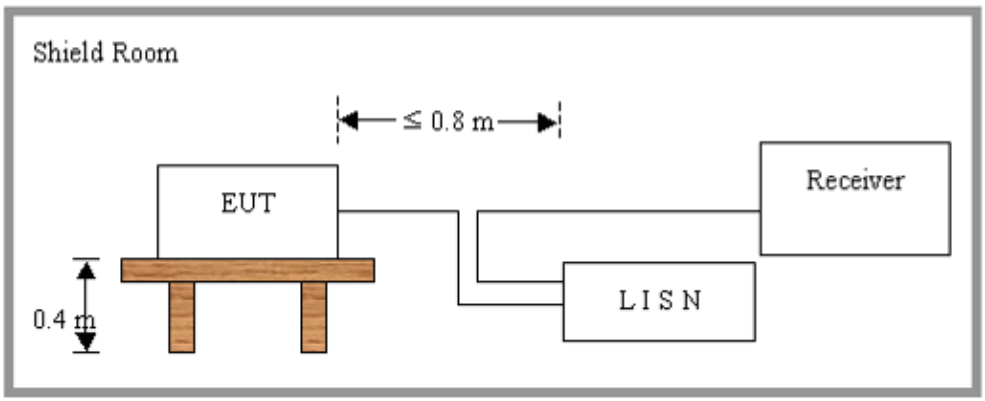
The Power Line disturbance voltage was measured with the equipment under test (EUT) in a shielded room. The EUT was connected to a line impedance stabilization network (LISN) placed on the floor. The EUT was placed on a non-metallic table 0.4 m above the metallic, grounded floor. The distance to other metallic surfaces was at least 0.8 m.

The vertical conducting surface was replaced with horizontal ground plane. Length of the power lead in excess of 80 cm horizontally separating the EUT from LISN was 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.



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	ENV432	ROHDE & SCHWARZ	101313	2024-02-21
EMI Receiver	ESR3	ROHDE & SCHWARZ	101758	2024-02-21
Pulse Limiter	ESH3-Z2	ROHDE & SCHWARZ	102095	2024-02-20
Cable	Enviroflex 400	Enviroflex	-	2024-03-02

5.6 Test data for Conducted Emission

-. Test Date : September. 22, 2022 ~ September. 24, 2023
-. Resolution Bandwidth : 200 Hz (9 kHz ~ 0.15 MHz) / 9 kHz (0.15 MHz ~ 30 MHz)
-. Frequency Range : 9 kHz ~ 30 MHz
-. Line : L1: Live, N: Neutral
-. Comment : None

5.6.1. Operating condition: Cooking element #1

Measurement table - *Conducted Emission,* 0.009 MHz to 0.15 MHz, AC mains				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.037	90.2	110.0	19.8
0.073	74.8	86.6	11.8

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

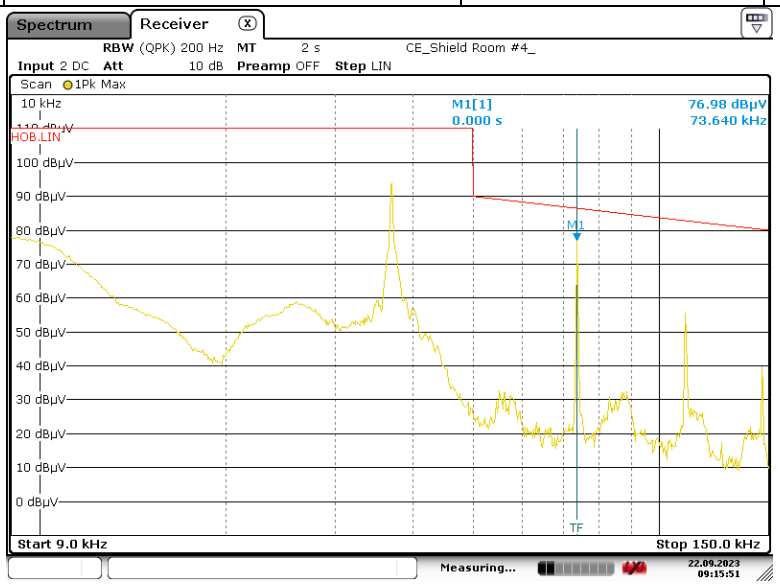
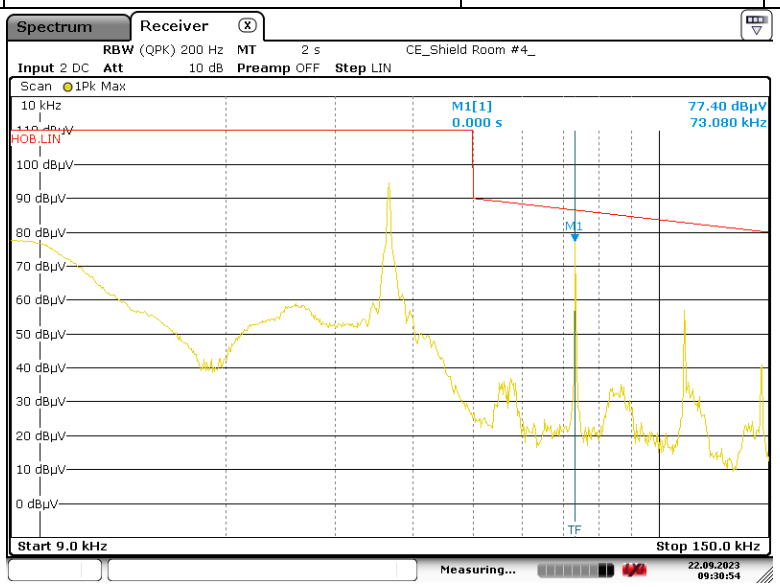
Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.036	91.5	110.0	18.5
0.073	74.2	86.6	12.4

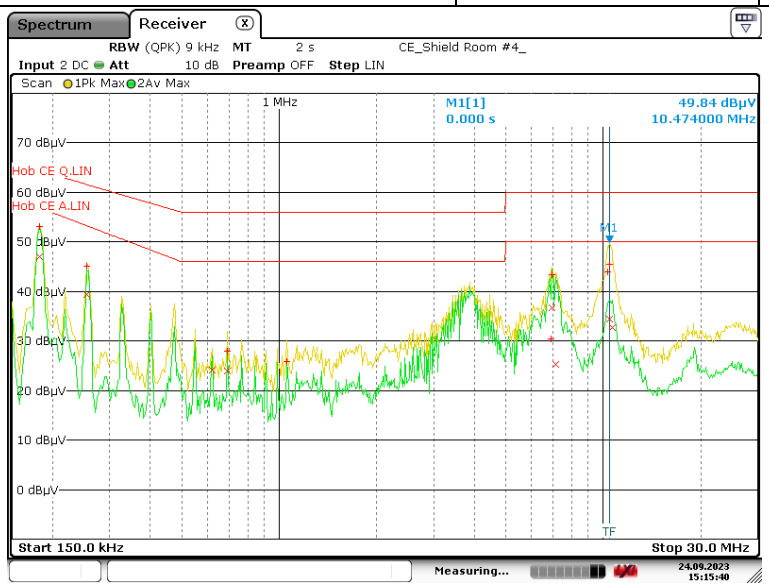
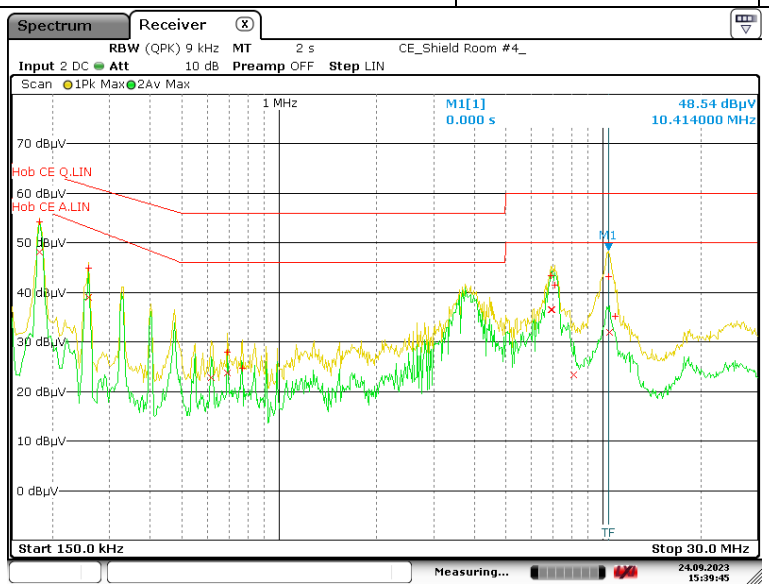
Measurement table - *Conducted Emission,* 0.15 MHz to 30 MHz, AC mains				Verdict
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.182	53.7	64.4	10.7	47.3	54.4	7.1
3.874	33.9	56.0	22.1	24.7	46.0	21.3
6.966	43.4	60.0	16.6	36.7	50.0	13.3
10.474	44.3	60.0	15.7	33.7	50.0	16.3

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

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.182	54.3	64.4	10.1	48.9	54.4	5.5
0.258	45.1	61.5	16.4	39.3	51.5	12.2
3.762	39.8	56.0	16.2	31.3	46.0	14.7
7.106	41.3	60.0	18.7	25.4	50.0	24.6
10.414	42.9	60.0	17.1	31.3	50.0	18.7

***Spectral Diagrams - Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Left Front_9k_208 Date: 22.SEP.2023 09:15:50			
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Left Front_9k_208 Date: 22.SEP.2023 09:30:53			

***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Left Front_150k_208 Date: 24.SEP.2023 15:15:40			
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Left Front_150k_208 Date: 24.SEP.2023 15:39:45			

5.6.2. Operating condition: Cooking element #2

Measurement table - *Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.036	90.2	110.0	19.8
0.073	74.2	86.6	12.4

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

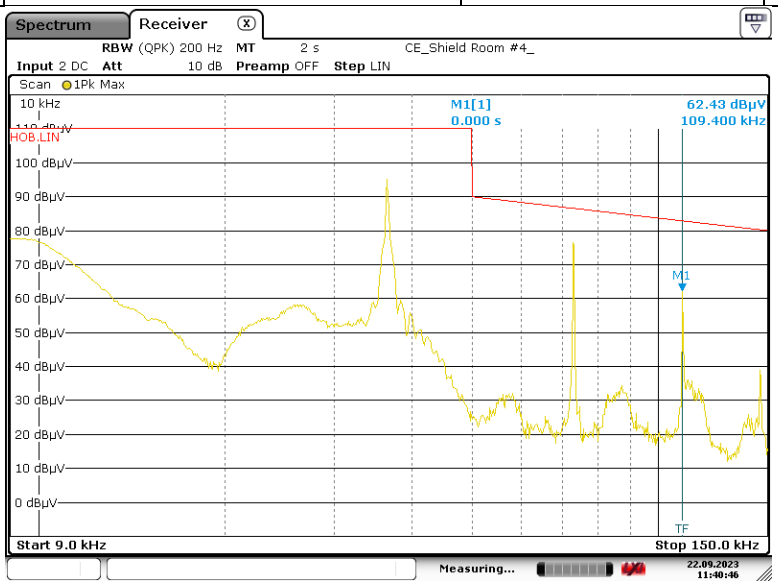
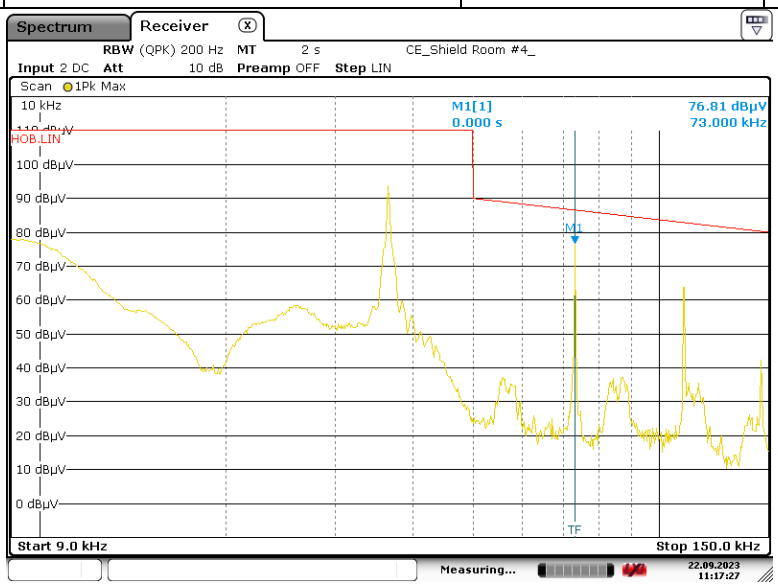
Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.036	90.1	110.0	19.9
0.073	73.8	86.6	12.8

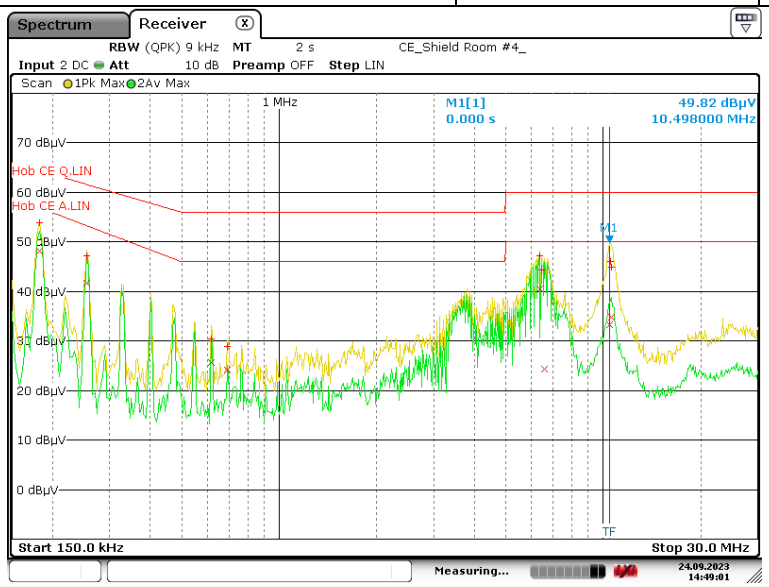
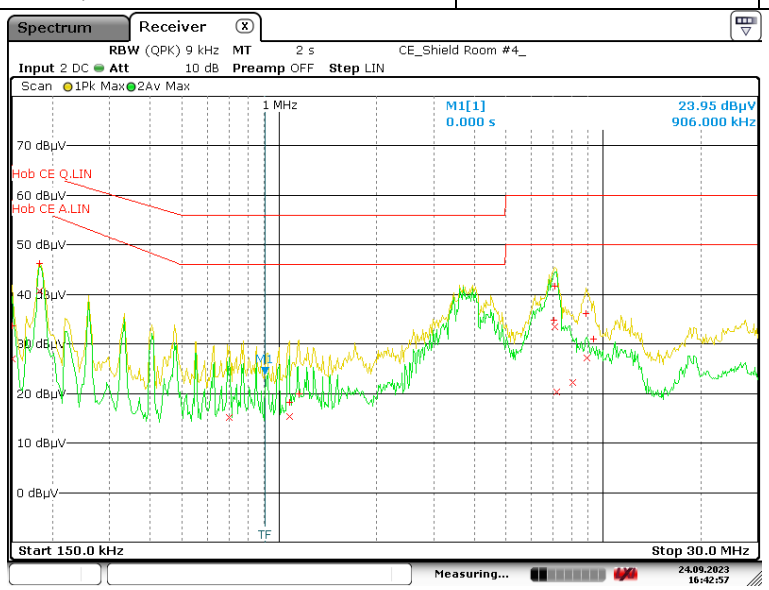
Measurement table - *Conducted Emission,* 0.15 MHz to 30 MHz, AC mains				Verdict
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.182	54.2	64.4	10.2	48.3	54.4	6.1
0.254	47.2	61.6	14.4	41.9	51.6	9.7
6.378	47.0	60.0	13.0	40.2	50.0	9.8
10.498	45.2	60.0	14.8	33.9	50.0	16.1

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

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level	Permitted Limit [dBµV]	Margin [dB]
0.182	53.6	64.4	10.8	47.2	54.4	7.2
0.254	46.3	61.6	15.3	41.0	51.6	10.6
3.786	35.7	56.0	20.3	24.9	46.0	21.1
6.462	46.7	60.0	13.3	38.3	50.0	11.7
10.654	44.7	60.0	15.3	33.8	50.0	16.2

***Spectral Diagrams - Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Left Rear_9k_208 Date: 22.SEP.2023 11:40:45			
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Left Rear_9k_208 Date: 22.SEP.2023 11:17:26			

***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Left Rear_150k_208 Date: 24.SEP.2023 14:49:01			
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Left Rear_150k_208 Date: 24.SEP.2023 16:42:57			

5.6.3. Operating condition: Cooking element #3

Measurement table - *Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.036	86.7	110.0	23.3
0.072	74.3	86.7	12.4

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

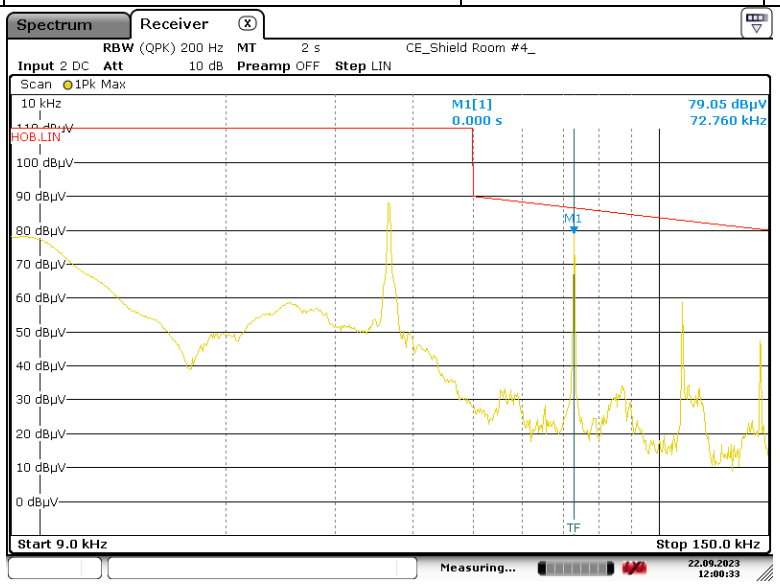
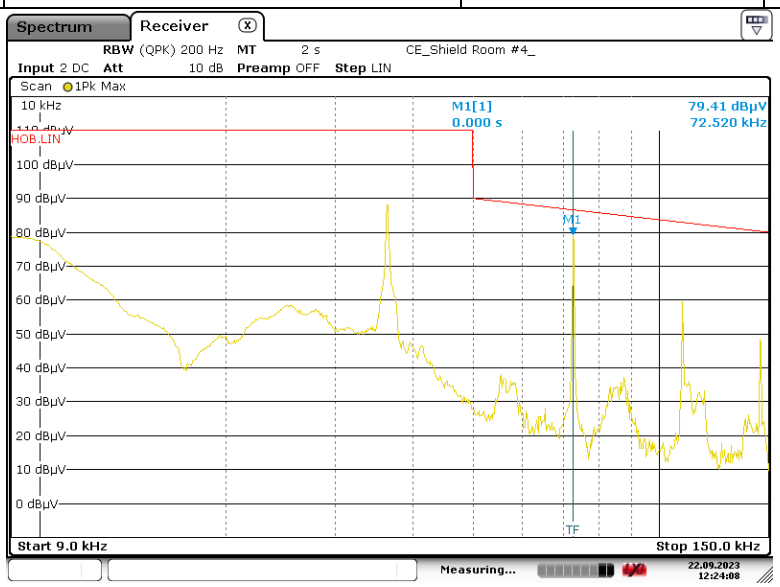
Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.036	85.5	110.0	24.5
0.072	75.9	86.7	10.8

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

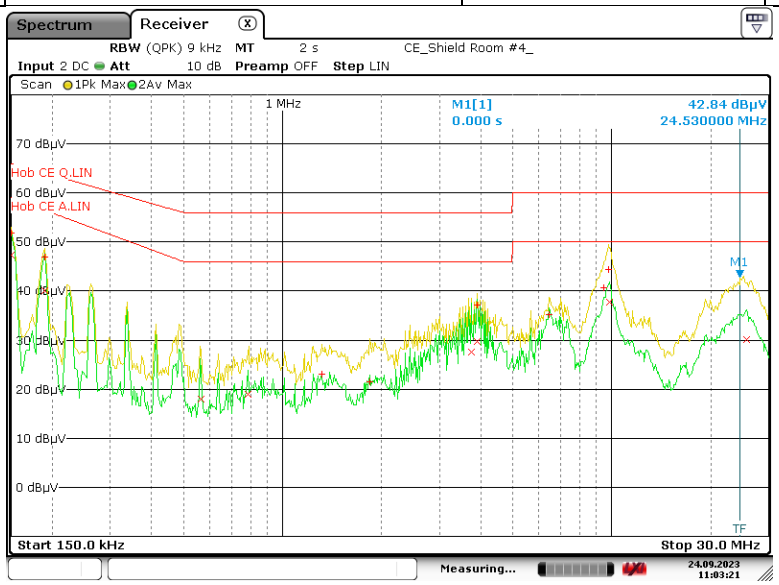
Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.150	51.7	66.0	14.3	47.8	56.0	8.2
3.898	37.9	56.0	18.1	29.7	46.0	16.3
9.794	43.8	60.0	16.2	37.0	50.0	13.0
24.530	36.8	60.0	23.2	30.9	50.0	19.1

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

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level	Permitted Limit [dBµV]	Margin [dB]
0.150	52.8	66.0	13.2	48.3	56.0	7.7
0.186	50.7	64.2	13.5	43.5	54.2	10.7
3.822	37.9	56.0	18.1	30.4	46.0	15.6
9.966	47.3	60.0	12.7	39.8	50.0	10.2
23.042	34.1	60.0	25.9	29.8	50.0	20.2

***Spectral Diagrams - Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Right Front_9k_208 Date: 22.SEP.2023 12:00:33			
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Right Front_9k_208 Date: 22.SEP.2023 12:24:08			

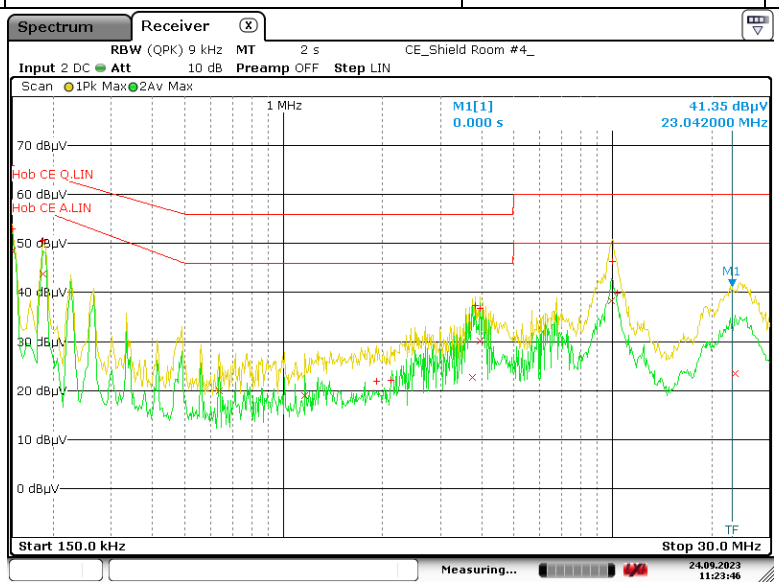
***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**



CBIS3618B & Phase L1_Right Front_150k_208

Date: 24.SEP.2023 11:03:20

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



CBIS3618B & Phase N_Right Front_150k_208

Date: 24.SEP.2023 11:23:46

5.6.4. Operating condition: Cooking element #4

Measurement table - *Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.044	64.3	110.0	45.7
0.089	58.5	84.8	26.3
0.133	41.3	81.1	39.8

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

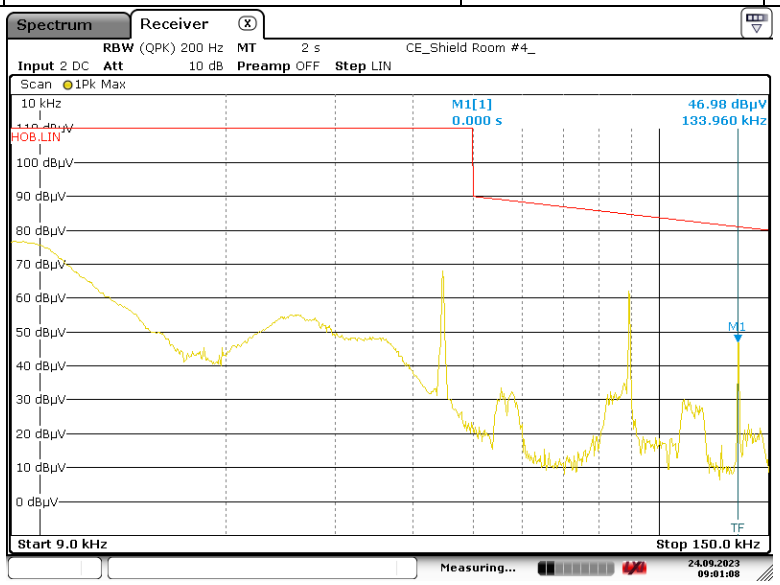
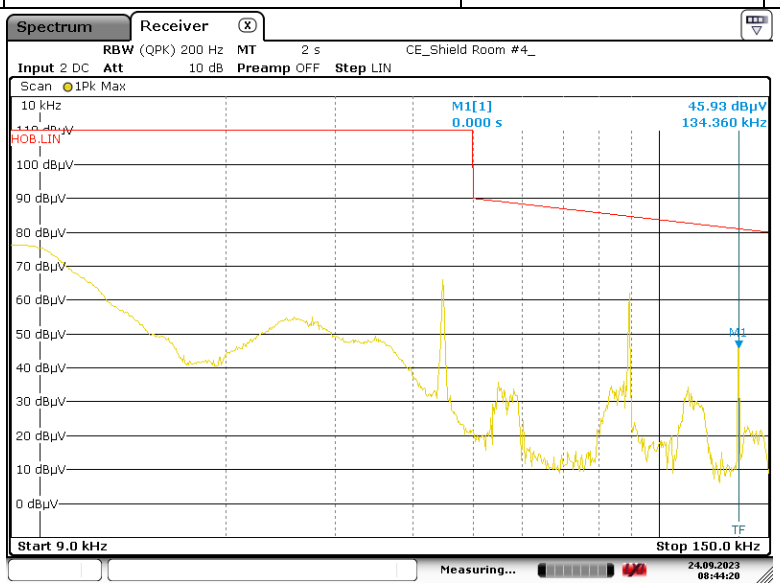
Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.044	63.2	110.0	46.8
0.089	59.0	84.8	25.8
0.133	39.4	81.1	41.7

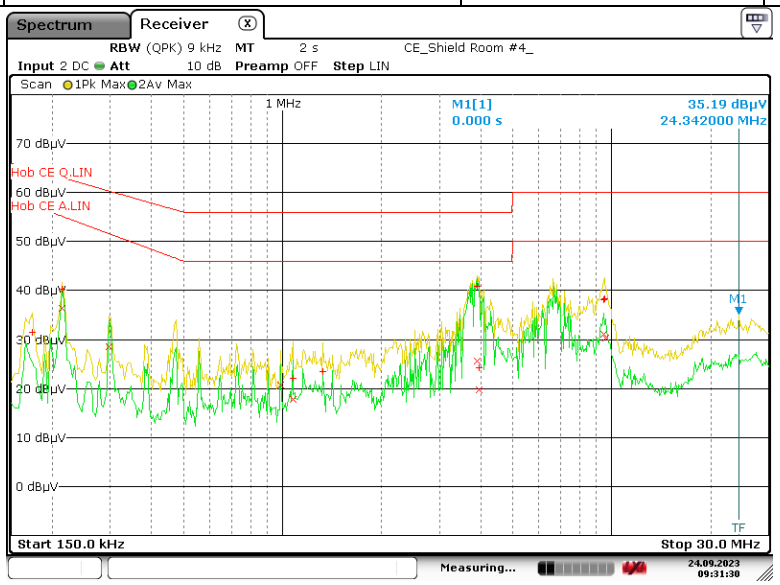
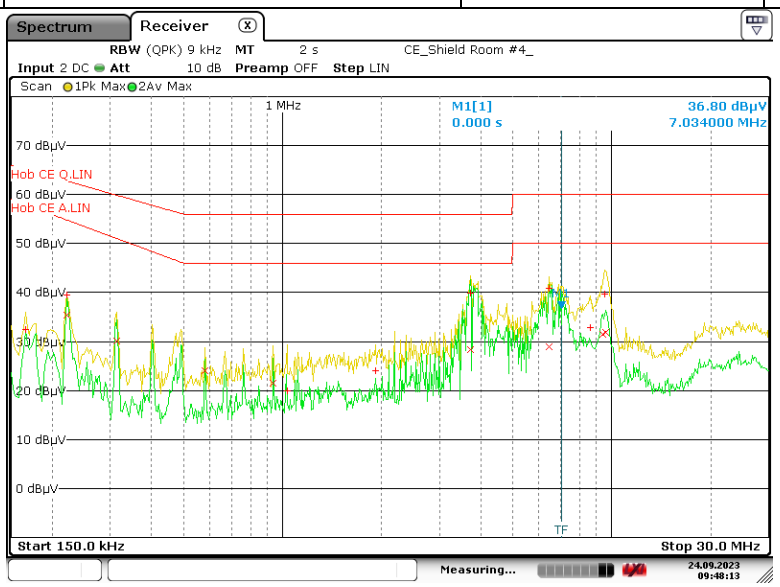
Measurement table - *Conducted Emission,* 0.15 MHz to 30 MHz, AC mains				Verdict
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.214	39.1	63.0	23.9	36.4	53.0	16.6
3.950	38.9	56.0	17.1	31.7	46.0	14.3
9.518	38.4	60.0	21.6	30.2	50.0	19.8
24.342	25.9	60.0	34.1	22.8	50.0	27.2

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

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.222	39.6	62.7	23.1	35.7	52.7	17.0
3.718	39.7	56.0	16.3	28.4	46.0	17.6
6.474	40.9	60.0	19.1	29.8	50.0	20.2
9.522	40.1	60.0	19.9	31.7	50.0	18.3

***Spectral Diagrams - Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Right Rear_9k_208 Date: 24.SEP.2023 09:01:08			
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Right Rear_9k_208 Date: 24.SEP.2023 08:44:20			

***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Right Rear_150k_208 Date: 24.SEP.2023 09:31:30			
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Right Rear_150k_208 Date: 24.SEP.2023 09:48:13			

5.6.5. Operating condition: Cooking element #5

Measurement table - *Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.036	83.8	110.0	26.2
0.072	76.3	86.7	10.4
0.109	54.3	82.9	28.6

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

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.036	84.3	110.0	25.7
0.072	76.4	86.7	10.3
0.109	54.3	82.9	28.6

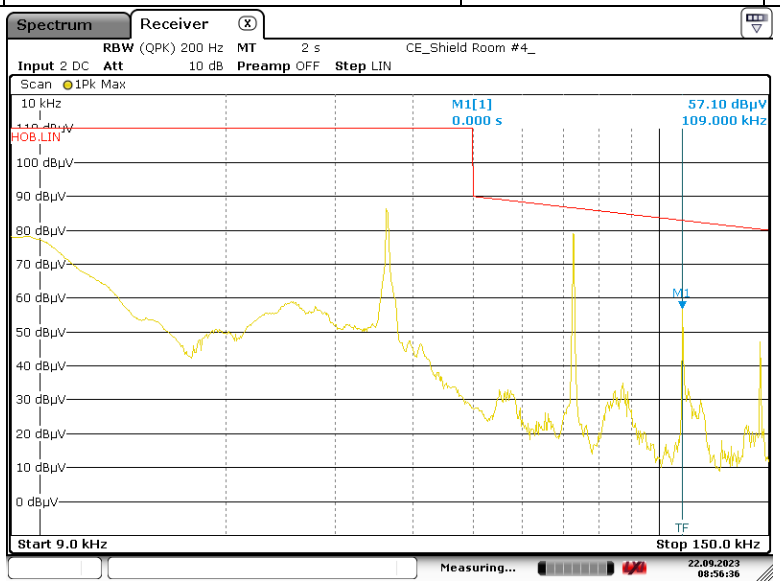
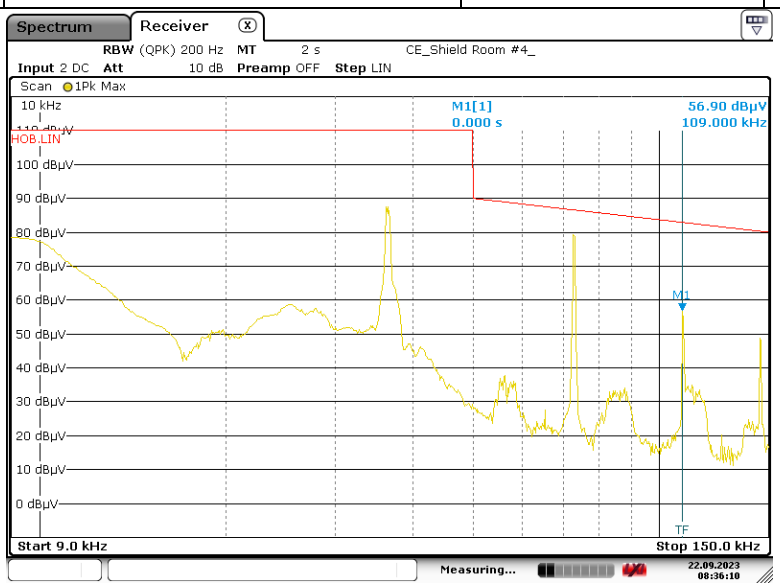
-

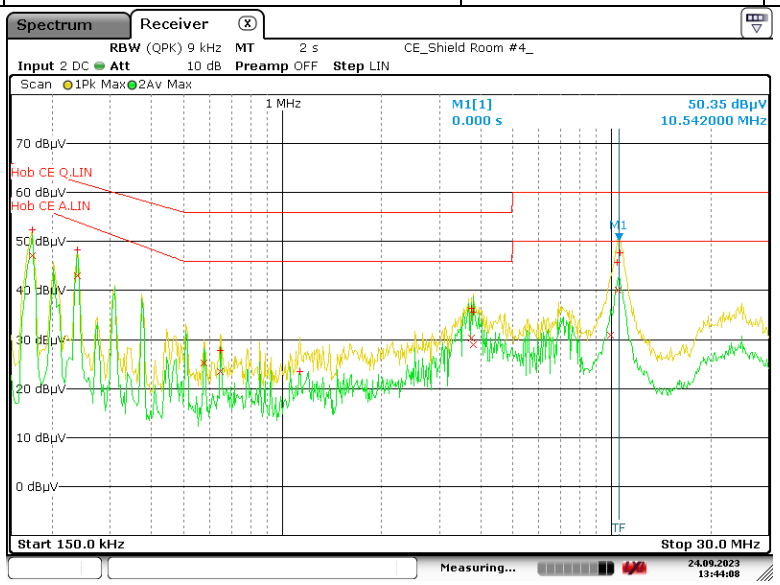
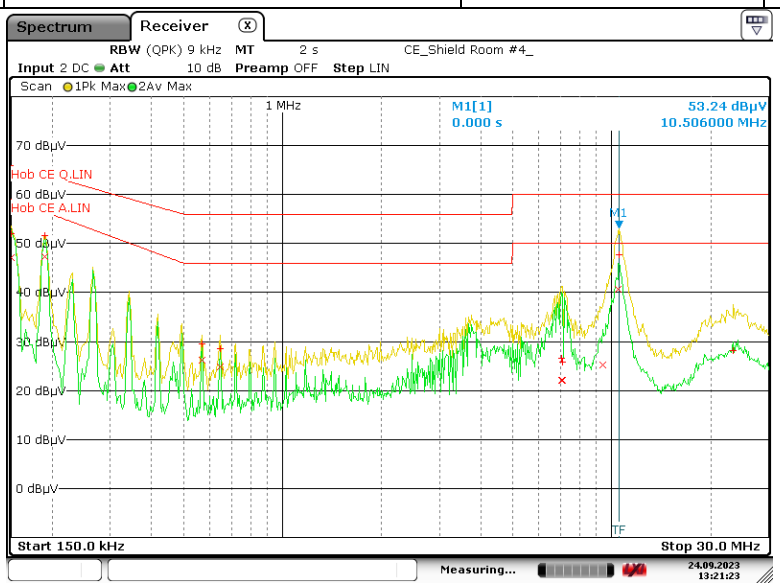
Measurement table - *Conducted Emission*, 0.15 MHz to 30 MHz, AC mains				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.174	52.7	64.8	12.1	47.3	54.8	7.5
0.238	48.5	62.2	13.7	43.2	52.2	9.0
3.754	35.7	56.0	20.3	24.9	46.0	21.1
10.542	47.2	60.0	12.8	39.8	50.0	10.2

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

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.150	52.1	66.0	13.9	47.3	56.0	8.7
0.190	51.7	64.0	12.3	47.2	54.0	6.8
7.026	37.8	60.0	22.2	29.9	50.0	20.1
10.506	47.7	60.0	12.3	40.3	50.0	9.7

***Spectral Diagrams - Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Center_9k_208 Date: 22.SEP.2023 08:56:36			
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Center_9k_208 Date: 22.SEP.2023 08:36:09			

***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	208 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Center_150k_208 Date: 24.SEP.2023 13:44:08			
Test voltage	208 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Center_150k_208 Date: 24.SEP.2023 13:21:23			

5.6.6. Operating condition: Cooking element #1

Measurement table - *Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.037	89.0	110.0	21.0
0.075	74.0	86.3	12.3

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

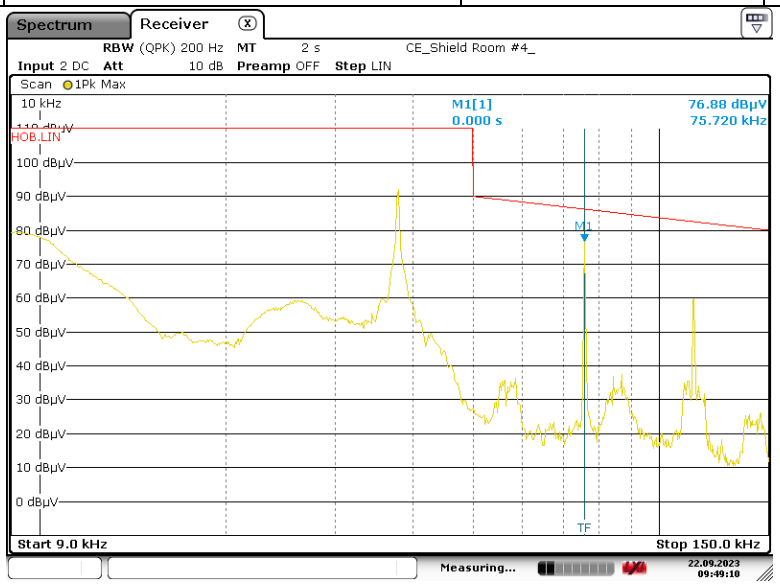
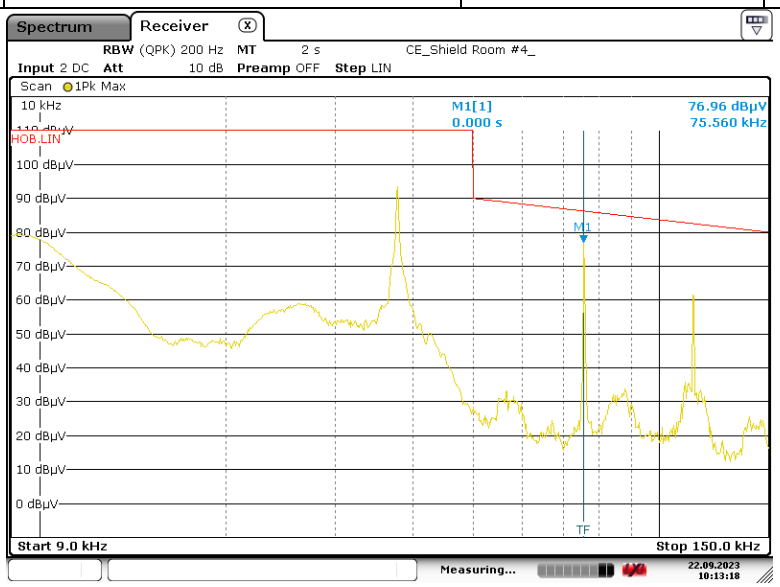
Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.037	90.0	110.0	20.0
0.075	74.3	86.3	12.0

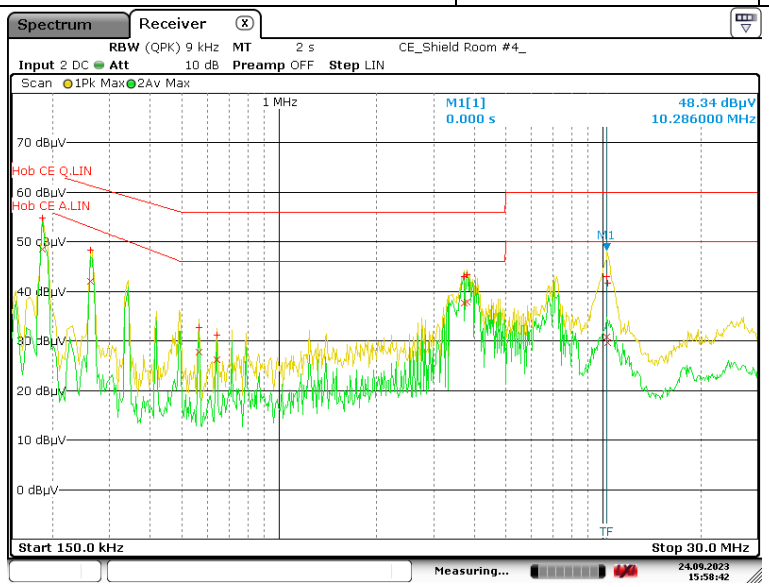
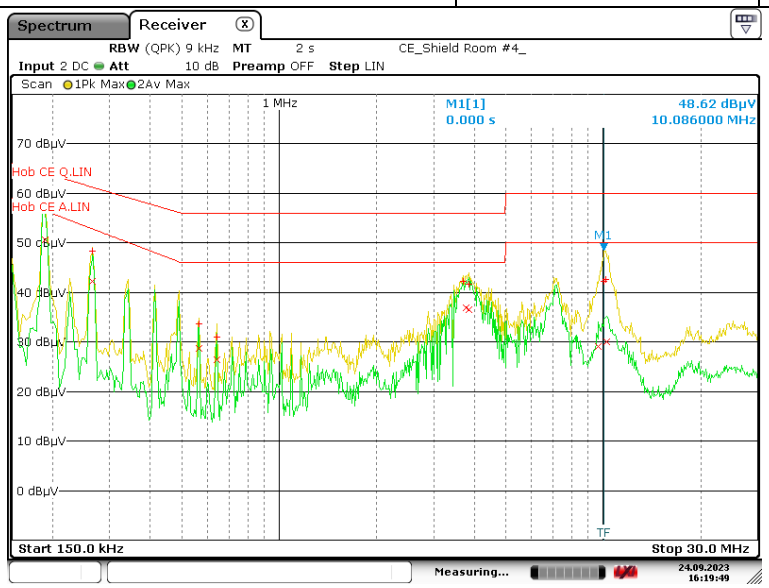
Measurement table - *Conducted Emission,* 0.15 MHz to 30 MHz, AC mains				Verdict
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.186	54.9	64.2	9.3	48.3	54.2	5.9
0.262	48.9	61.4	12.5	42.7	51.4	8.7
3.802	42.7	56.0	13.3	37.6	46.0	8.4
10.286	42.7	60.0	17.3	30.5	50.0	19.5

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

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.190	53.8	64.0	10.2	47.2	54.0	6.8
0.262	44.8	61.4	16.6	40.9	51.4	10.5
3.842	40.1	56.0	15.9	36.8	46.0	9.2
10.086	42.4	60.0	17.6	31.2	50.0	18.8

***Spectral Diagrams - Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Left Front_9k_240 Date: 22.SEP.2023 09:49:10			
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Left Front_9k_240 Date: 22.SEP.2023 10:13:17			

***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Left Front_150k_240 Date: 24.SEP.2023 15:58:42			
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Left Front_150k_240 Date: 24.SEP.2023 16:19:48			

5.6.7. Operating condition: Cooking element #2

Measurement table - *Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.037	89.1	110.0	20.9
0.073	69.8	86.6	16.8

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

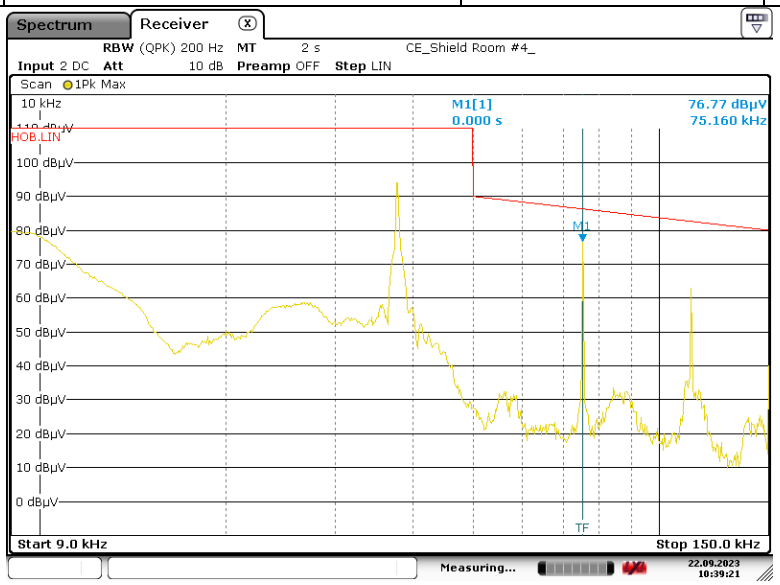
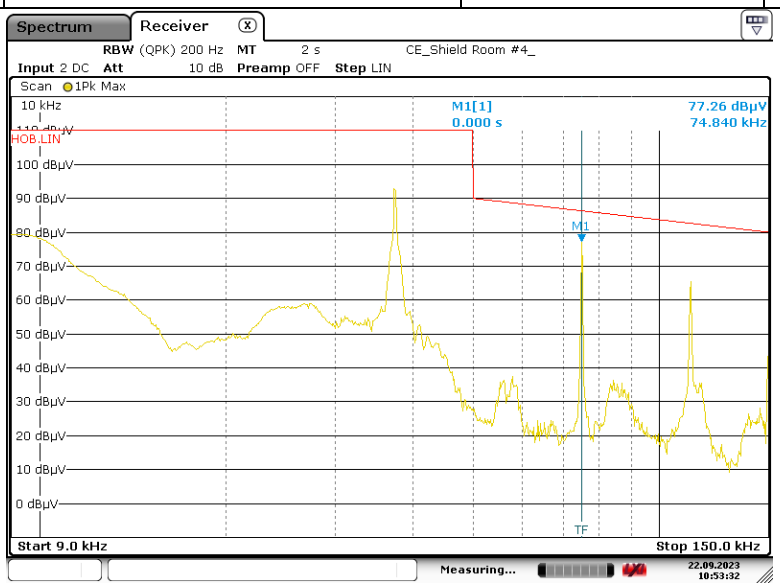
Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.037	88.9	110.0	21.1
0.074	74.0	86.4	12.4

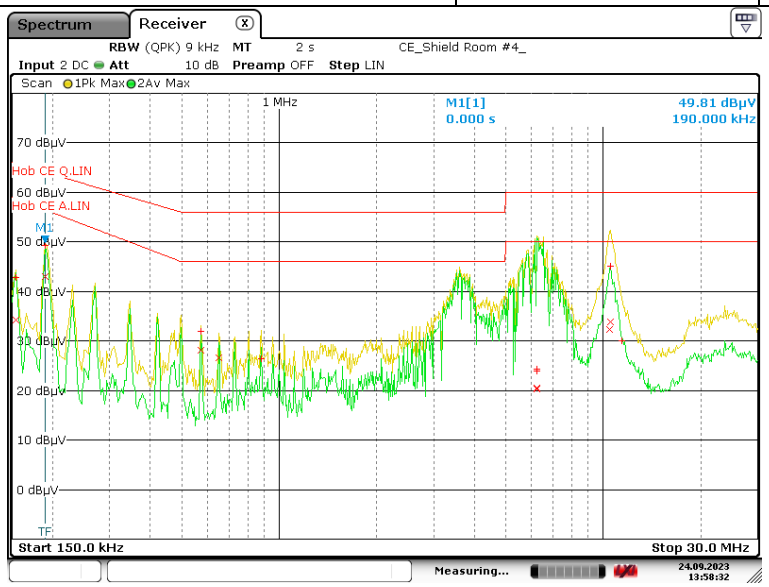
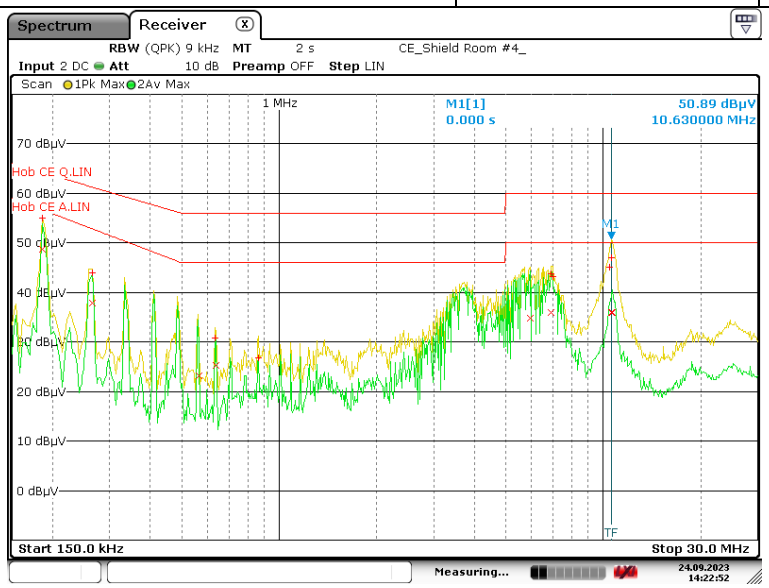
Measurement table - *Conducted Emission,* 0.15 MHz to 30 MHz, AC mains				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.190	49.3	64.0	14.7	43.2	54.0	10.8
3.602	41.2	56.0	14.8	35.7	46.0	10.3
6.258	49.3	60.0	10.7	40.1	50.0	9.9
10.534	44.8	60.0	15.2	34.3	50.0	15.7

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

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.186	50.7	64.2	13.5	46.3	54.2	7.9
3.706	40.4	56.0	15.6	33.4	46.0	12.6
6.918	46.6	60.0	13.4	37.7	50.0	12.3
10.630	46.7	60.0	13.3	35.2	50.0	14.8

***Spectral Diagrams - Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Left Rear_9k_240 Date: 22.SEP.2023 10:39:21			
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Left Rear_9k_240 Date: 22.SEP.2023 10:53:32			

***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Left Rear_150k_240 Date: 24.SEP.2023 13:58:32			
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Left Rear_150k_240 Date: 24.SEP.2023 14:22:52			

5.6.8. Operating condition: Cooking element #3

Measurement table - *Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.037	83.2	110.0	26.8
0.075	75.0	86.3	11.3

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

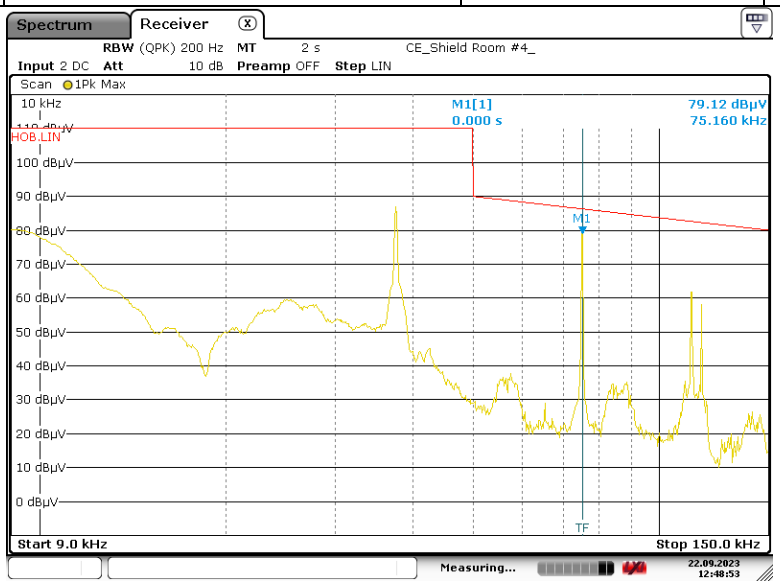
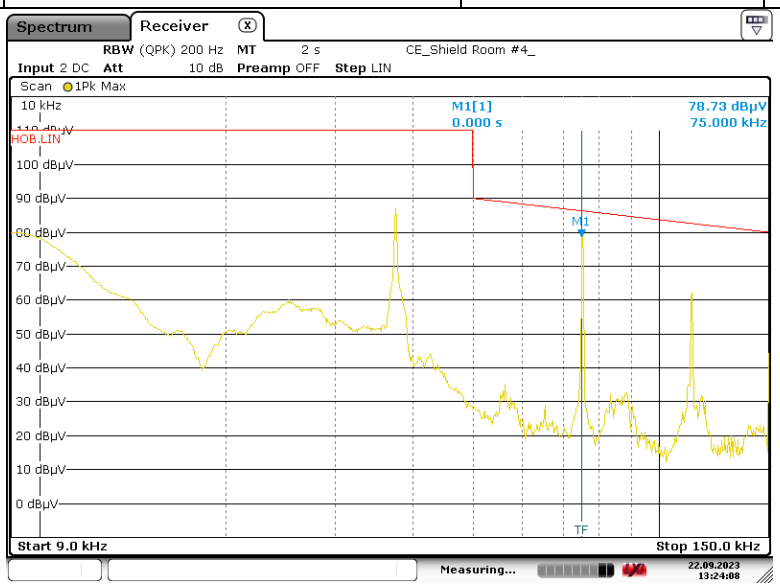
Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.037	84.5	110.0	25.5
0.075	74.9	86.3	11.4

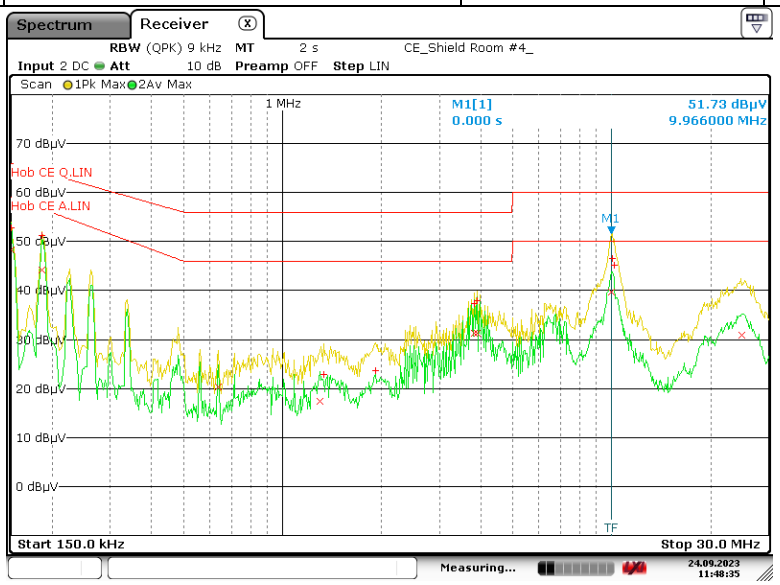
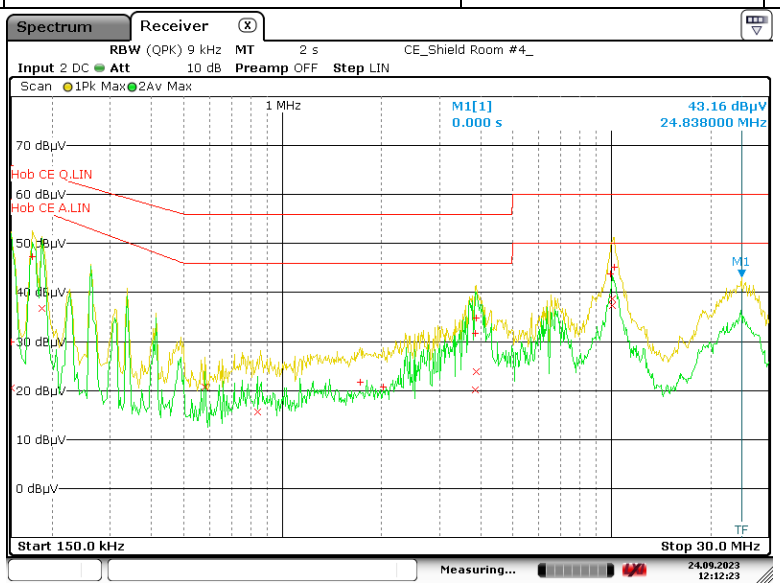
Measurement table - *Conducted Emission,* 0.15 MHz to 30 MHz, AC mains				Verdict
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.174	48.3	64.8	16.5	43.2	54.8	11.6
3.886	34.7	56.0	21.3	25.9	46.0	20.1
10.222	44.7	60.0	15.3	36.7	50.0	13.3
24.838	29.8	60.0	30.2	25.7	50.0	24.3

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

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.150	52.9	66.0	13.1	48.3	56.0	7.7
0.186	51.3	64.2	12.9	44.5	54.2	9.7
3.898	38.9	56.0	17.1	31.7	46.0	14.3
9.966	47.1	60.0	12.9	39.5	50.0	10.5

***Spectral Diagrams - Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Right Front_9k_240 Date: 22.SEP.2023 12:48:52			
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Right Front_9k_240 Date: 22.SEP.2023 13:24:08			

***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Right Front_150k_240 Date: 24.SEP.2023 11:48:35			
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Right Front_150k_240 Date: 24.SEP.2023 12:12:22			

5.6.9. Operating condition: Cooking element #4

Measurement table - *Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.044	58.4	110.0	51.6
0.089	57.4	84.8	27.4
0.133	30.8	81.1	50.3

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

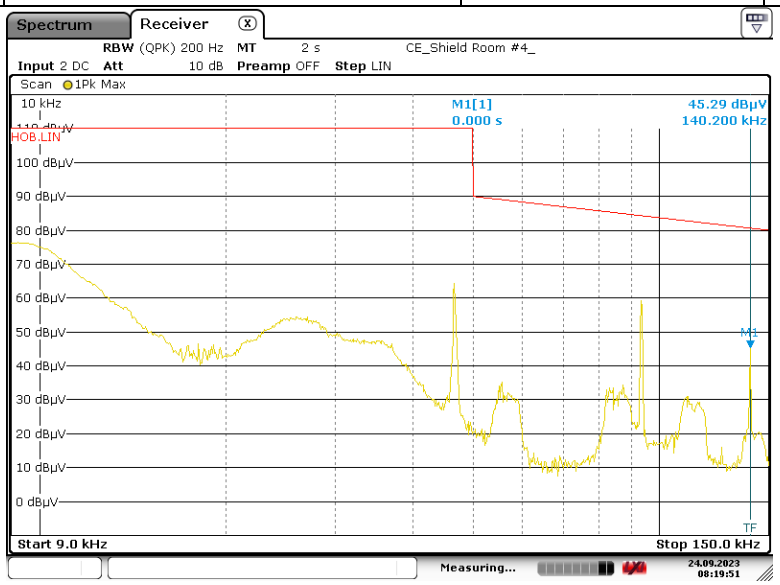
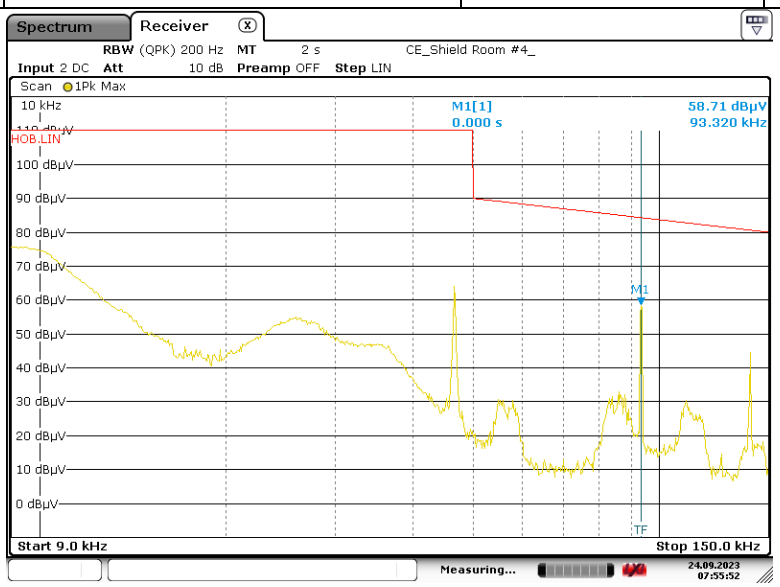
Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.046	61.3	110.0	48.7
0.093	54.7	84.4	29.7

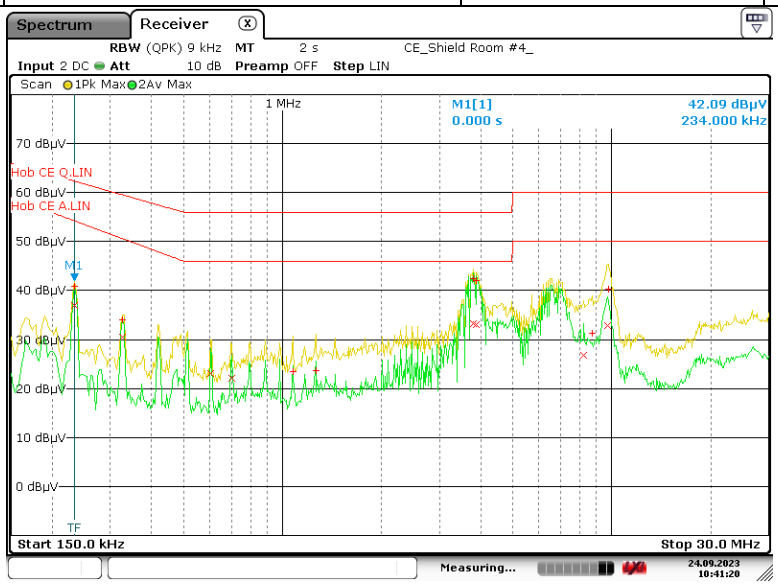
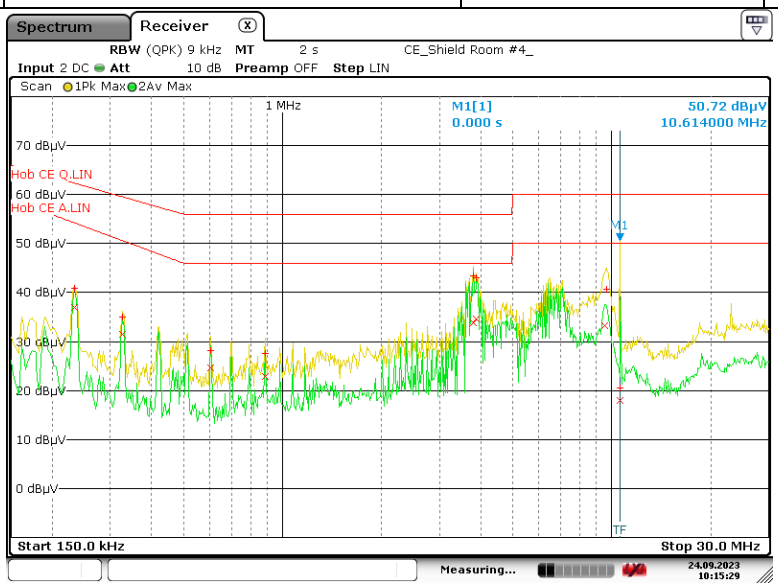
Measurement table - *Conducted Emission,* 0.15 MHz to 30 MHz, AC mains				Verdict
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.234	40.9	62.3	21.4	36.7	52.3	15.6
3.790	42.7	56.0	13.3	33.9	46.0	12.1
6.574	36.2	60.0	23.8	23.8	50.0	26.2
9.786	40.7	60.0	19.3	32.9	50.0	17.1

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

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.231	40.1	62.4	22.3	35.7	52.4	16.7
3.740	42.2	56.0	13.8	33.8	46.0	12.2
9.452	40.1	60.0	19.9	30.2	50.0	19.8
26.766	28.3	60.0	31.7	24.7	50.0	25.3

***Spectral Diagrams - Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Right Rear_9k_240 Date: 24.SEP.2023 08:19:51			
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Right Rear_9k_240 Date: 24.SEP.2023 07:55:52			

***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Right Rear_150k_240 Date: 24.SEP.2023 10:41:19			
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Right Rear_150k_240 Date: 24.SEP.2023 10:15:29			

5.6.10. Operating condition: Cooking element #5

Measurement table - *Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.038	82.9	110.0	27.1
0.076	76.8	86.2	9.4
0.114	53.3	82.5	29.2

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

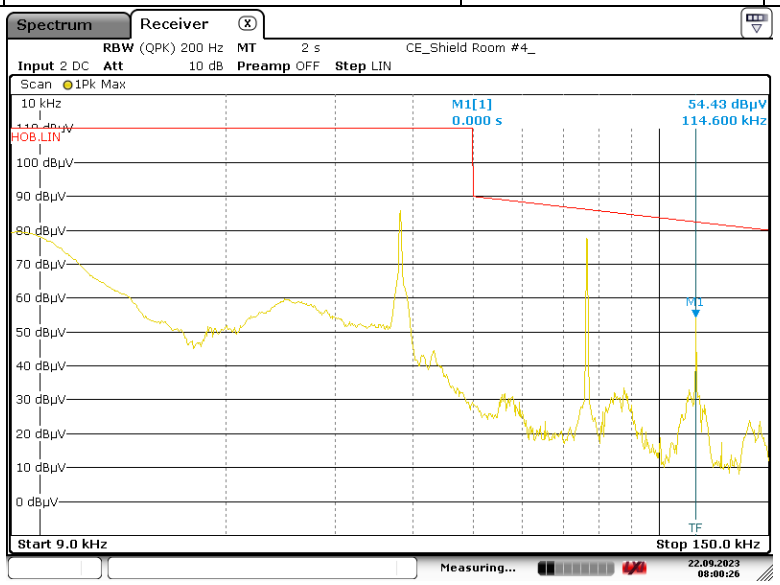
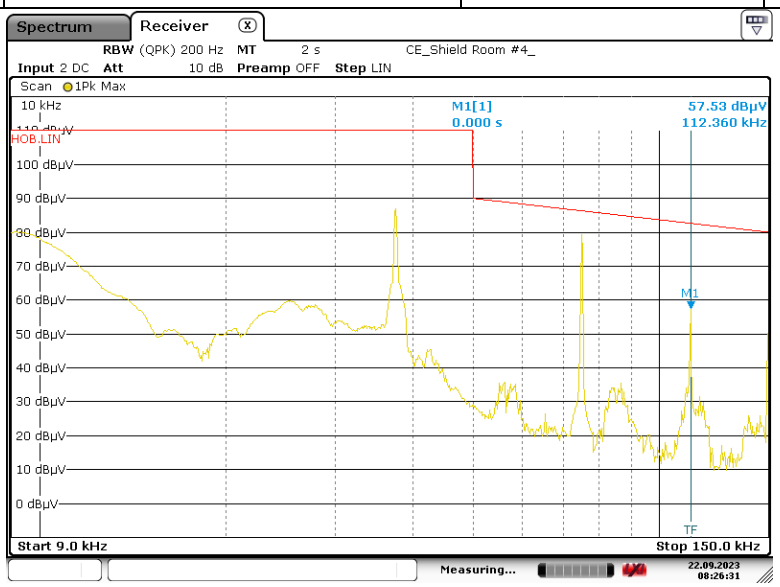
Frequency [MHz]	Quasi-Peak		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.037	84.5	110.0	25.5
0.074	76.3	86.4	10.1
0.112	54.4	82.7	28.3

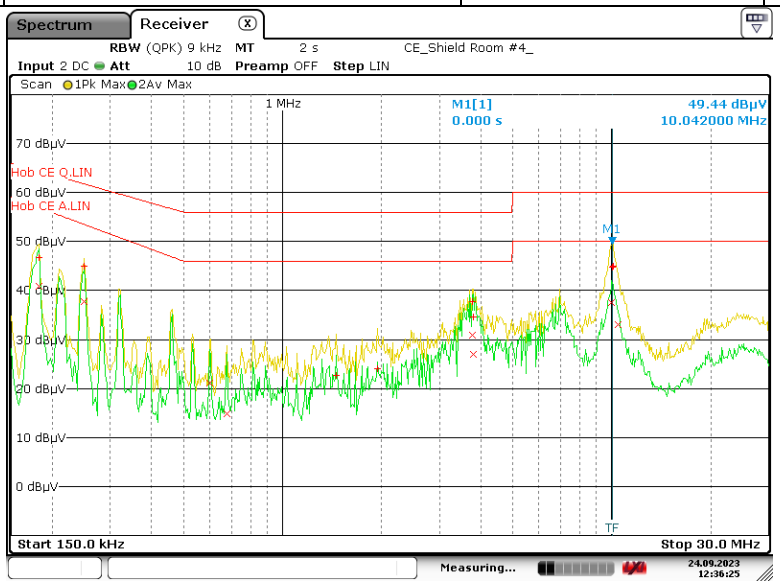
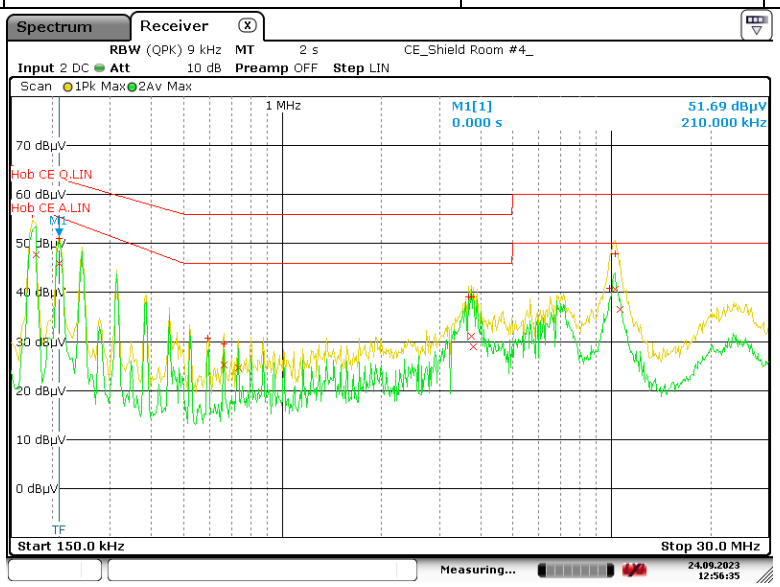
Measurement table - *Conducted Emission,* 0.15 MHz to 30 MHz, AC mains				Verdict
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.182	48.7	64.4	15.7	34.9	54.4	19.5
0.250	40.3	61.8	21.5	34.8	51.8	17.0
3.786	35.9	56.0	20.1	24.7	46.0	21.3
10.042	44.7	60.0	15.3	37.9	50.0	12.1

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

Frequency [MHz]	Quasi-Peak			Average		
	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]	Disturbance Level [dBµV]	Permitted Limit [dBµV]	Margin [dB]
0.174	50.3	64.8	14.5	35.7	54.8	19.1
0.210	50.9	63.2	12.3	45.3	53.2	7.9
3.814	38.7	56.0	17.3	30.7	46.0	15.3
10.158	46.7	60.0	13.3	39.8	50.0	10.2

***Spectral Diagrams - Conducted Emission*, 0.009 MHz to 0.15 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Center_9k Date: 22.SEP.2023 08:00:26			
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Center_9k Date: 22.SEP.2023 08:26:30			

***Spectral Diagrams - Conducted Emission,* 0.15 MHz to 30 MHz, AC mains**				**Verdict**
Test voltage	240 V, 60 Hz	Measured terminal	L1	**P**
	 CBIS3618B & Phase L1_Center_150k_240 Date: 24.SEP.2023 12:36:24			
Test voltage	240 V, 60 Hz	Measured terminal	N	**P**
	 CBIS3618B & Phase N_Center_150k_240 Date: 24.SEP.2023 12:56:35			

6. Radiated Emission

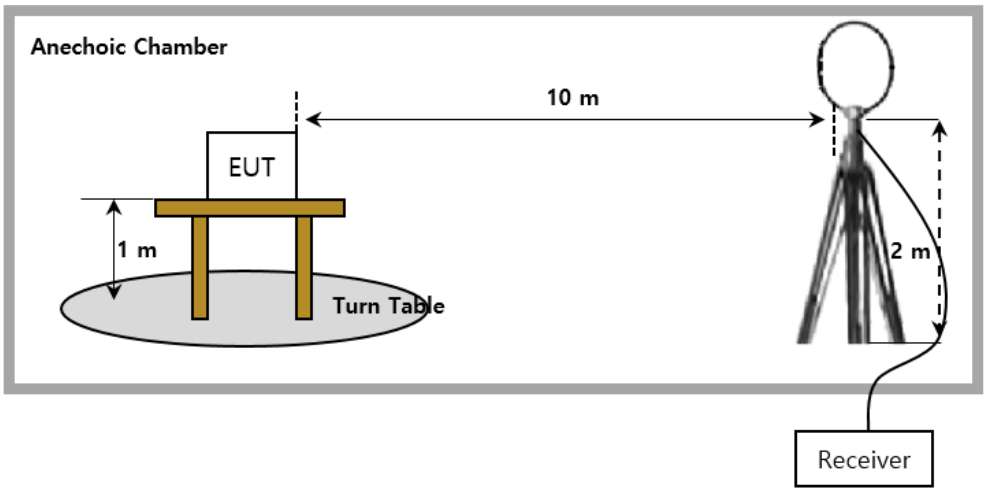
6.1 Operating Environment

Temperature	:	24.1 ℃
Relative Humidity	:	45.4 % R.H.
Air Pressure	:	100.6 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 1.0 m above the ground plane. The turn-table shall rotate 360 degrees to determine the positon 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.
All frequencies were investigated in both horizontal and vertical antenna polarity.



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.

6.4 Limit

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (μV/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	2024-06-27
EMI Receiver	ESR3	ROHDE & SCHWARZ	101805	2024-02-20
Cable	Sucoflex 106	Sucoflex	13419/6	2024-07-25

All test equipment used is calibrated on a regular basis.

6.6 Test data for Radiated Emission

-. Test Date : September. 20, 2023 ~ September. 21, 2023
-. 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”= front left hob, ”2”= rear left hob, “3”=front right hob, “4”=rear right hob, “5”=center hob

-. Limit Calculations

The highest value measured at 10m distance was 75.0 dBμV/m (Cooking element #2, Vertical, 240V).
Extrapolation factor was calculated by having additional measurements at 3m and 5m as below refer to §18.305 Notes 2 and KDB Publication 629601.
The worst factor was 41.19 and applied to all the other measurements. Compensated limit is 83.15 dBuV/m.

Rear Left (element #2)

Distance (m)	Ant pol.	Frequency (MHz)	Reading (dBμV/m)
3	H	0.037	95.3
	V	0.037	102.7
5	H	0.037	80.1
	V	0.037	87.4
10	H	0.037	67.3
	V	0.037	75.0

3 to 5 (H)	68.52
3 to 5 (V)	68.97
3 to 10 (H)	53.55
3 to 10 (V)	52.98
5 to 10 (H)	42.52
5 to 10 (V)	41.19

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

   [75.0 - 87.4] / log(5/10) = 41.19

3. Field Strength Limit with Distance Extrapolation Factor
   63.5 (dBμV/m) + (Distance Extrapolation Factor) * Log([d limit]/[d measure]) = 83.15 [dBμV/m] at 10 m

   63.5 [dBuV/m] + 41.19 * log (30 [m]/10 [m]) = 83.15 dBuV/m

6.6.1. Operating condition: Cooking element #1

Measurement table – *Magnetic Field* , 0.009 MHz to 30 MHz				**Verdict**
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**

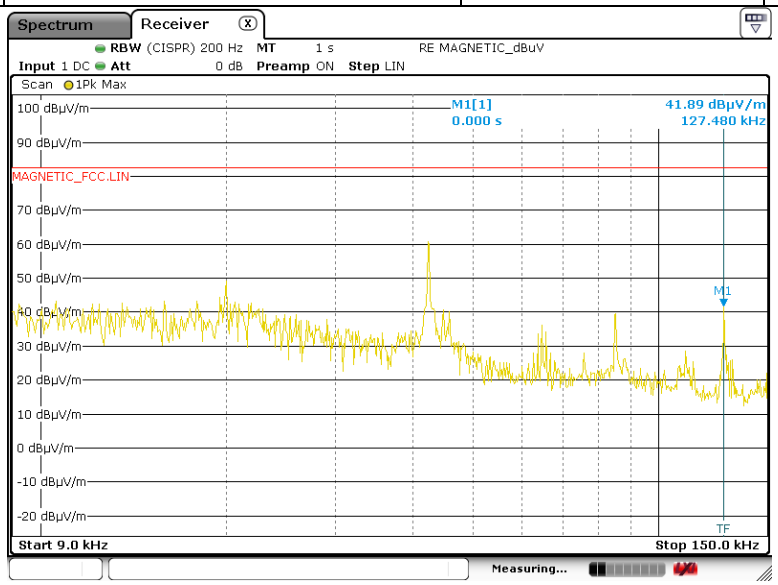
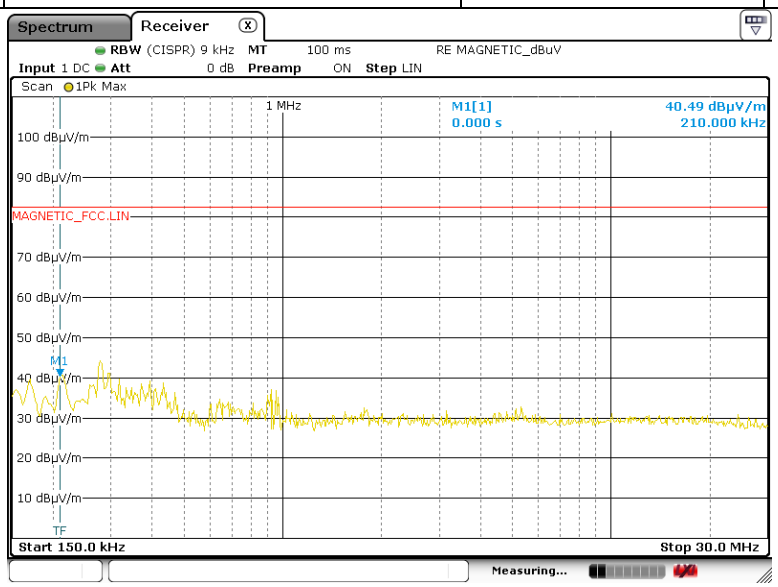
Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.042	59.7	83.15	63.5	23.5
0.013	40.9	83.15	63.5	42.3
0.210	36.3	83.15	63.5	46.9
0.278	35.9	83.15	63.5	47.3

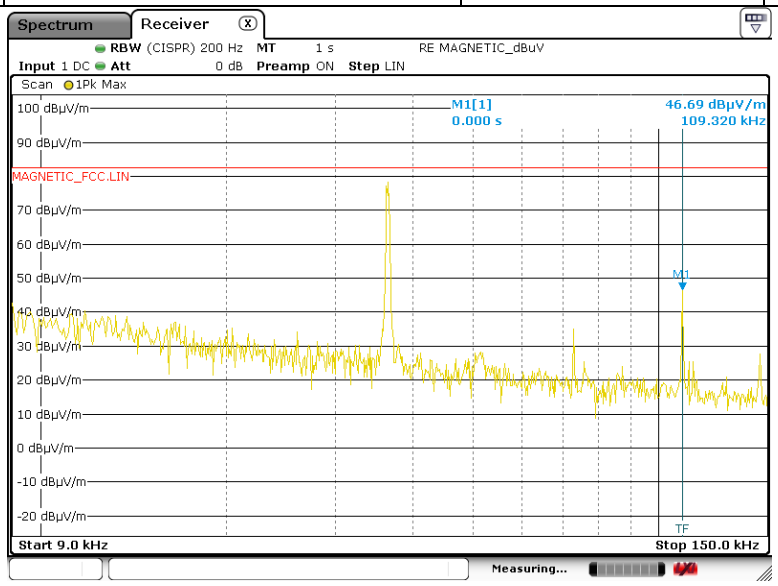
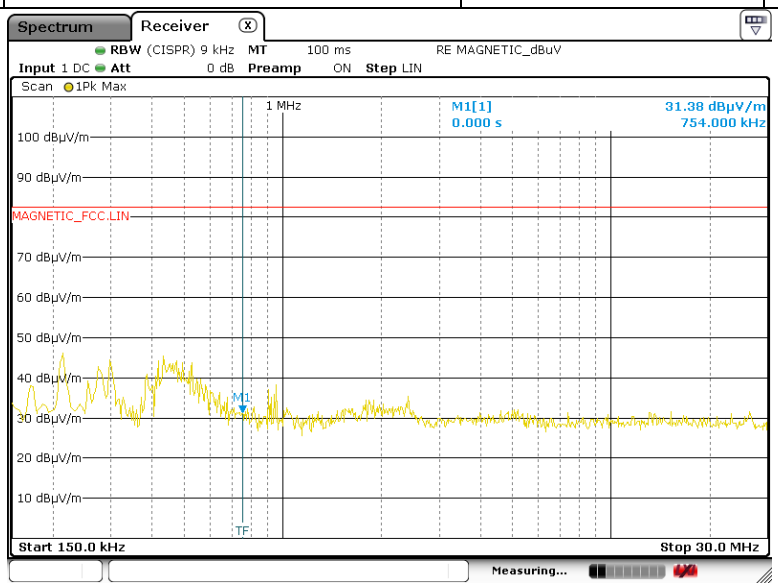
The measured value included and revised all related factor (LISN attenuation, Cable loss)

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

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.036	68.9	83.15	63.5	14.3
0.109	38.9	83.15	63.5	44.3
0.184	37.4	83.15	63.5	45.8
0.278	35.8	83.15	63.5	47.4
0.454	34.3	83.15	63.5	48.9

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

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Left Front_Hor_9k_FCC_208 Date: 21.SEP.2023 10:57:40			
0.15 MHz ~ 30 MHz				
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Left Front_Hor_150k_FCC_208 Date: 21.SEP.2023 08:28:43			

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Left Front_Ver_9k_FCC_208 Date: 21.SEP.2023 10:03:27			
0.15 MHz ~ 30 MHz				
Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Left Front_Ver_150k_FCC_208 Date: 21.SEP.2023 09:39:52			

6.6.2. Operating condition: Cooking element #2

Measurement table – *Magnetic Field* , 0.009 MHz to 30 MHz				**Verdict**
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**

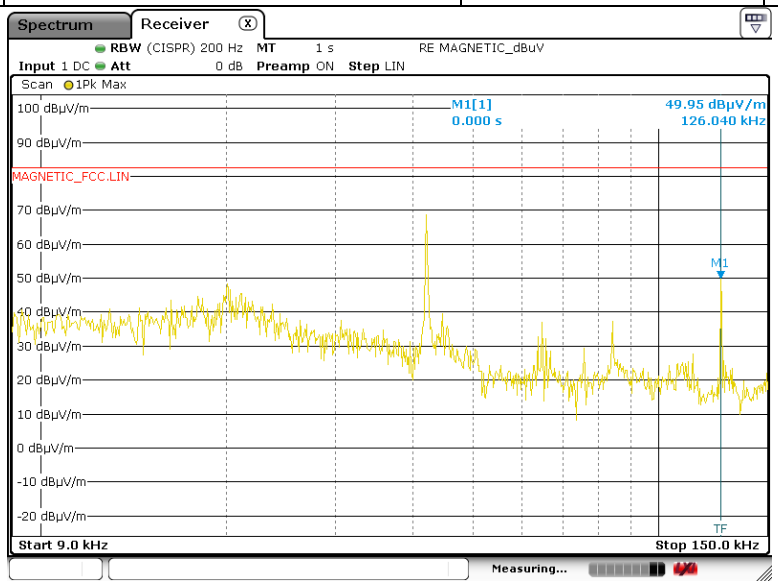
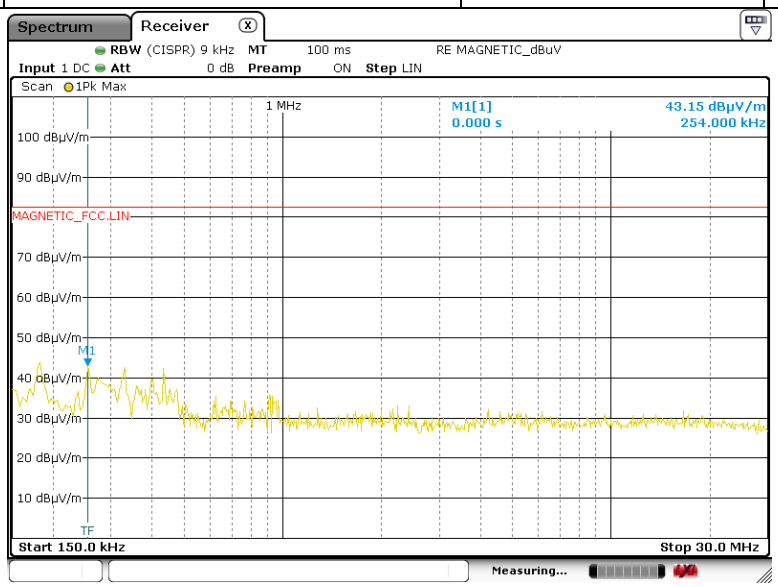
Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.042	67.8	83.15	63.5	15.4
0.126	41.7	83.15	63.5	41.5
0.182	41.3	83.15	63.5	41.9
0.254	37.3	83.15	63.5	45.9

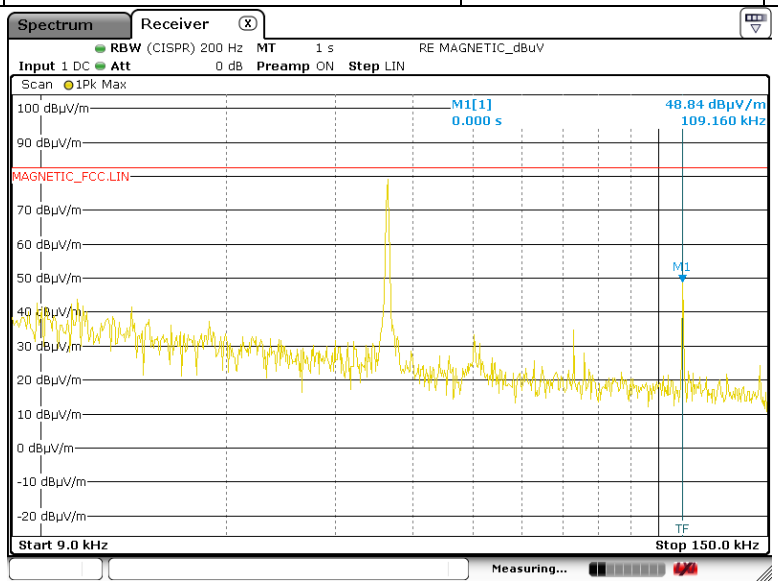
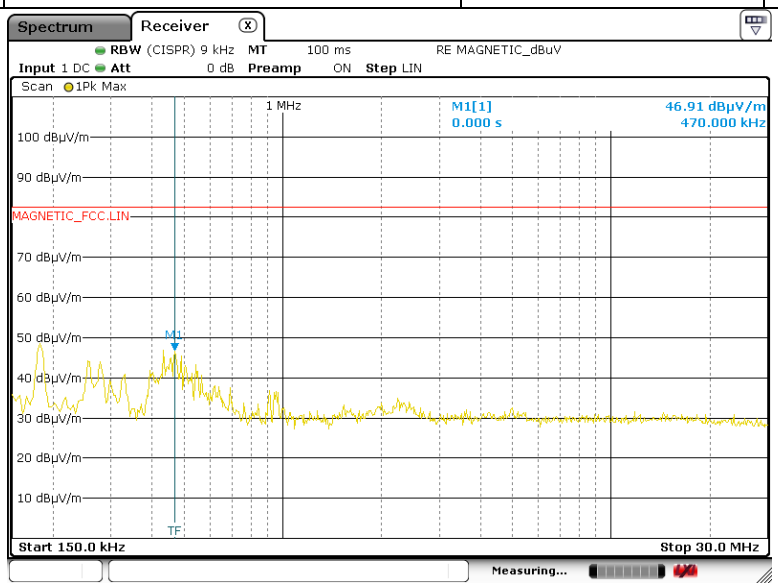
The measured value included and revised all related factor (LISN attenuation, Cable loss)

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

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.036	74.0	83.15	63.5	9.2
0.109	46.2	83.15	63.5	37.0
0.182	44.3	83.15	63.5	38.9
0.470	36.7	83.15	63.5	46.5

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

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Left Rear_Hor_9k_FCC_208 Date: 20.SEP.2023 18:57:09			
0.15 MHz ~ 30 MHz				
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Left Rear_Hor_150k_FCC_208 Date: 20.SEP.2023 20:51:09			

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Left Rear_Ver_9k_FCC_208 Date: 20.SEP.2023 19:16:29			
0.15 MHz ~ 30 MHz				
Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Left Rear_Ver_150k_FCC_208 Date: 20.SEP.2023 20:19:36			

6.6.3. Operating condition: Cooking element #3

Measurement table – *Magnetic Field* , 0.009 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] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.036	69.5	83.15	63.5	13.7
0.109	48.7	83.15	63.5	34.5
0.210	37.8	83.15	63.5	45.4
0.298	34.3	83.15	63.5	48.9

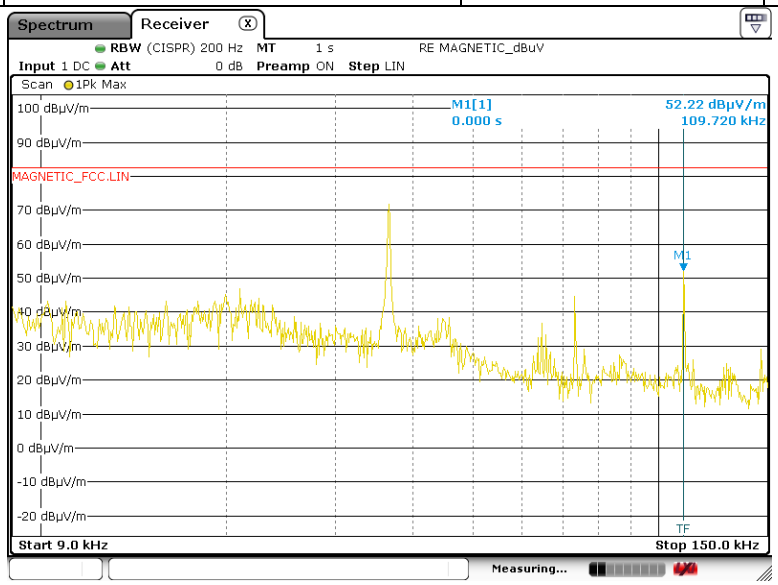
The measured value included and revised all related factor (LISN attenuation, Cable loss)

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

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.041	69.4	83.15	63.5	13.8
0.125	41.5	83.15	63.5	41.7
0.278	34.1	83.15	63.5	49.1
0.470	35.2	83.15	63.5	48.0

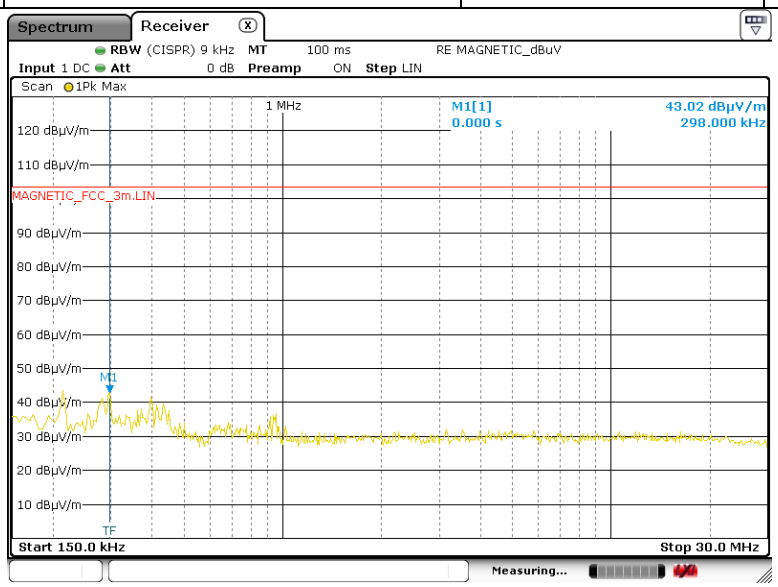
The measured value included and revised all related factor (LISN attenuation, Cable loss)

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**

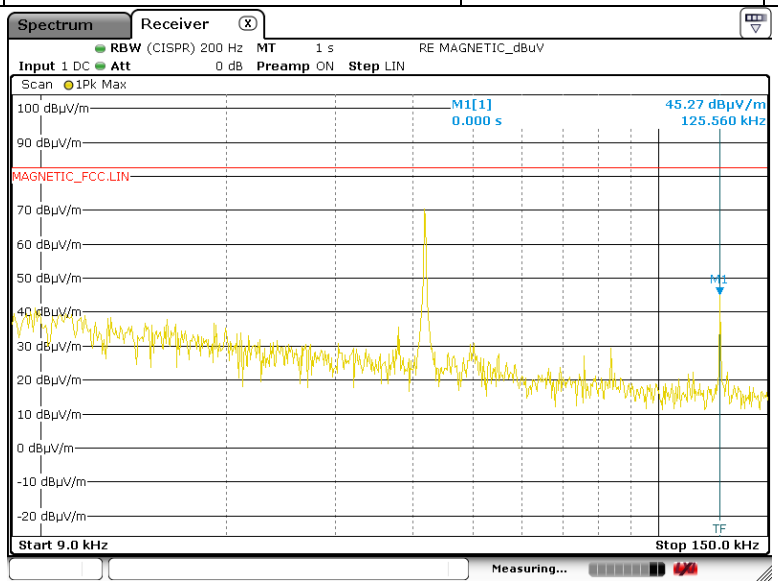
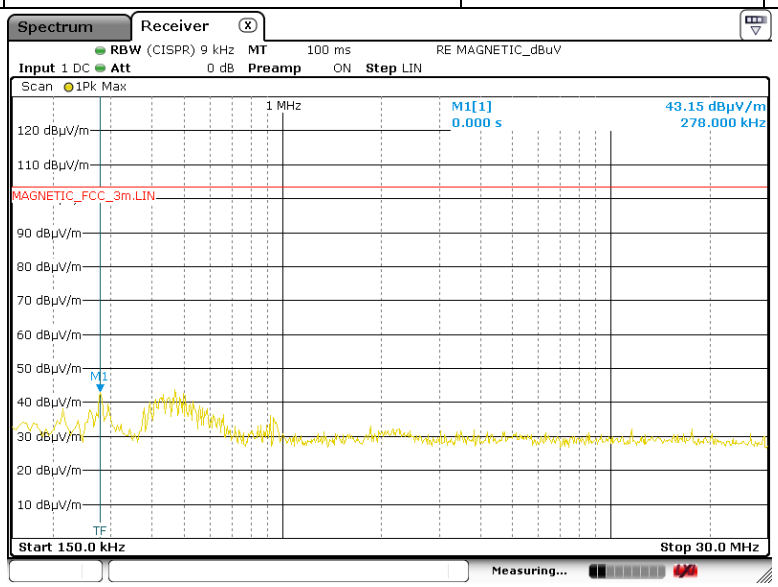


CBIS3618B_Right Front_Hor_9k_FCC_208
Date: 20.SEP.2023 17:58:53

0.15 MHz ~ 30 MHz				
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**



CBIS3618B_Right Front_Hor_150k_FCC_208
Date: 20.SEP.2023 16:34:20

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**
 CBIS3618B_Right Front_Ver_9k_FCC_208 Date: 20.SEP.2023 17:39:25				
0.15 MHz ~ 30 MHz				
Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**
 CBIS3618B_Right Front_Ver_150k_FCC_208 Date: 20.SEP.2023 16:49:00				

6.6.4. Operating condition: Cooking element #4

Measurement table – *Magnetic Field* , 0.009 MHz to 30 MHz				Verdict
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**

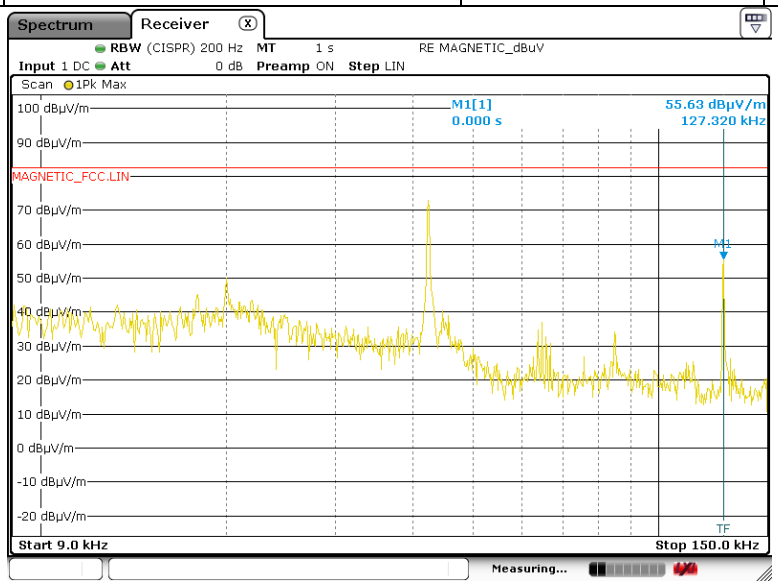
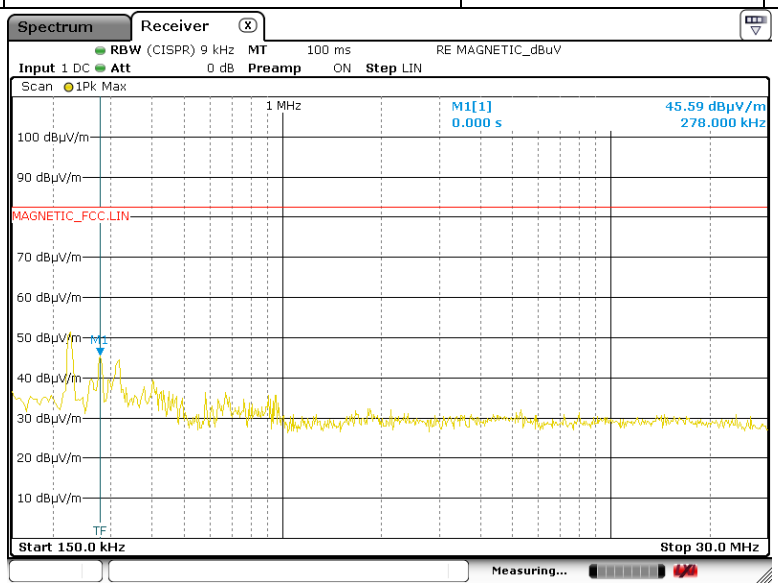
Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.042	70.8	83.15	63.5	12.4
0.127	50.9	83.15	63.5	32.3
0.226	49.3	83.15	63.5	33.9
0.278	36.0	83.15	63.5	47.2

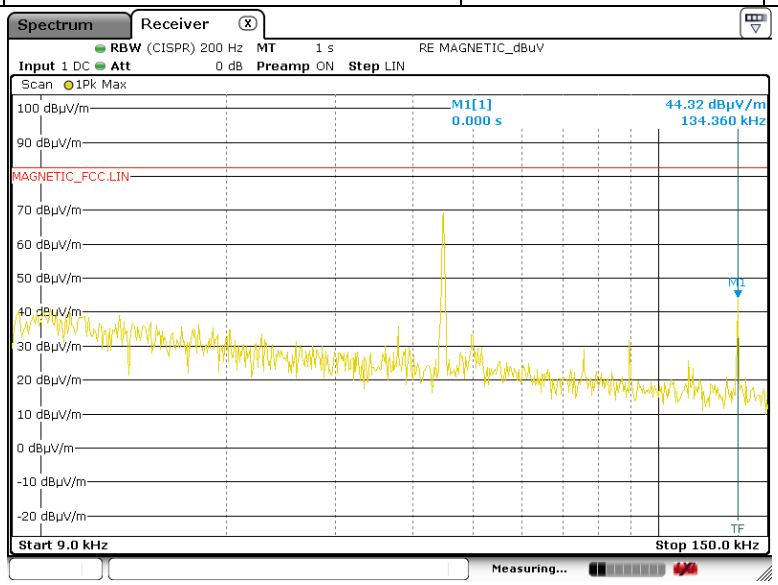
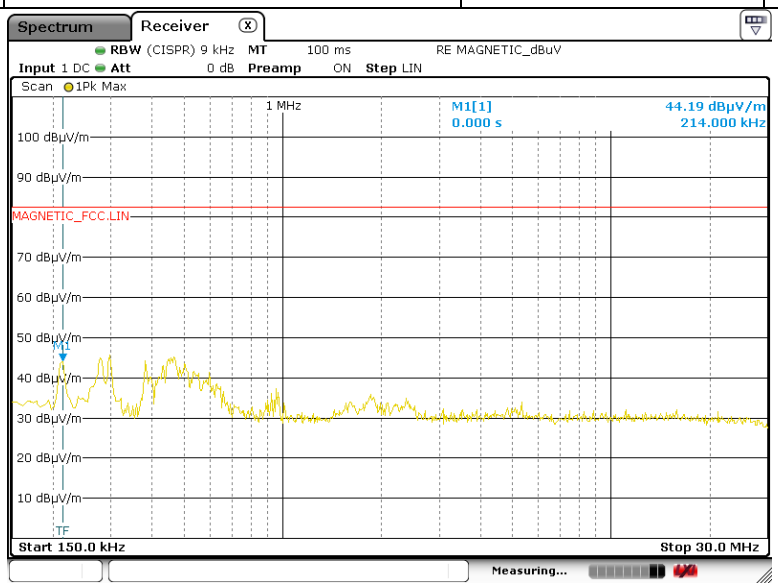
The measured value included and revised all related factor (LISN attenuation, Cable loss)

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

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.044	68.3	83.15	63.5	14.9
0.134	37.9	83.15	63.5	45.3
0.214	39.0	83.15	63.5	44.2
0.298	39.6	83.15	63.5	43.6

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

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Right Rear_Hor_9k_FCC_208 Date: 21.SEP.2023 11:16:27			
0.15 MHz ~ 30 MHz				
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Right Rear_Hor_150k_FCC_208 Date: 21.SEP.2023 14:22:03			

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Right Rear_Ver_9k_FCC_208 Date: 21.SEP.2023 12:16:34			
0.15 MHz ~ 30 MHz				
Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Right Rear_Ver_150k_FCC_208 Date: 21.SEP.2023 13:23:03			

6.6.5. Operating condition: Cooking element #5

Measurement table – *Magnetic Field* , 0.009 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] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.034	73.2	83.15	63.5	10.0
0.068	43.2	83.15	63.5	40.0
0.190	51.2	83.15	63.5	32.0
0.266	44.7	83.15	63.5	38.5

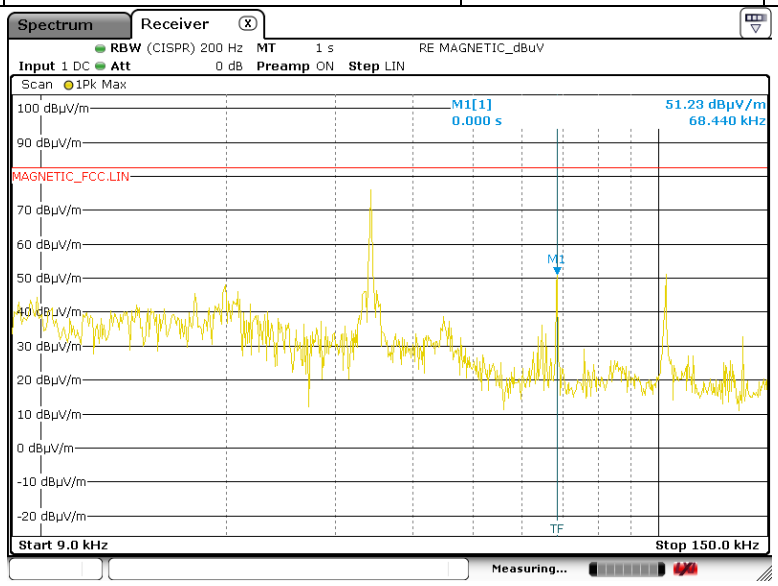
The measured value included and revised all related factor (LISN attenuation, Cable loss)

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

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.038	69.2	83.15	63.5	14.0
0.076	33.8	83.15	63.5	49.4
0.190	42.3	83.15	63.5	40.9
0.450	35.7	83.15	63.5	47.5

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

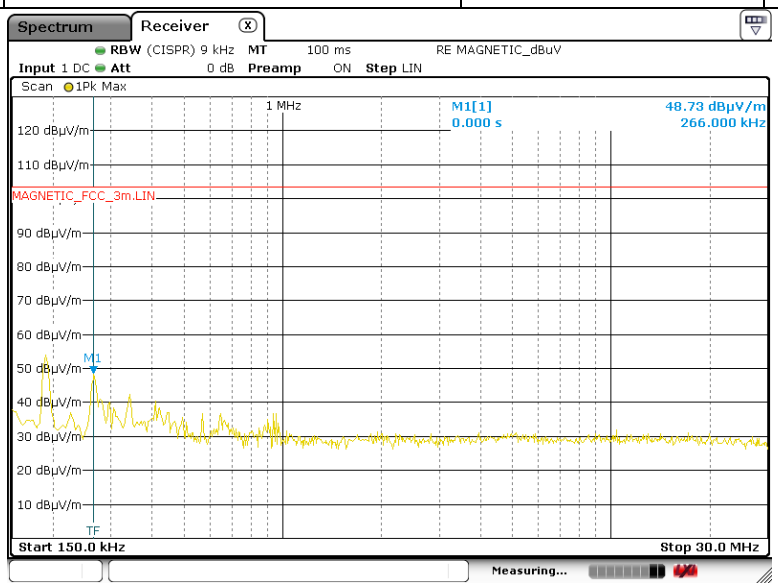
Spectral Diagrams - Magnetic Field , 0.009 MHz to 30 MHz				Verdict
0.009 MHz ~ 0.15 MHz				
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**



CBIS3618B_Center_Hor_9k_FCC_208

Date: 20.SEP.2023 14:02:06

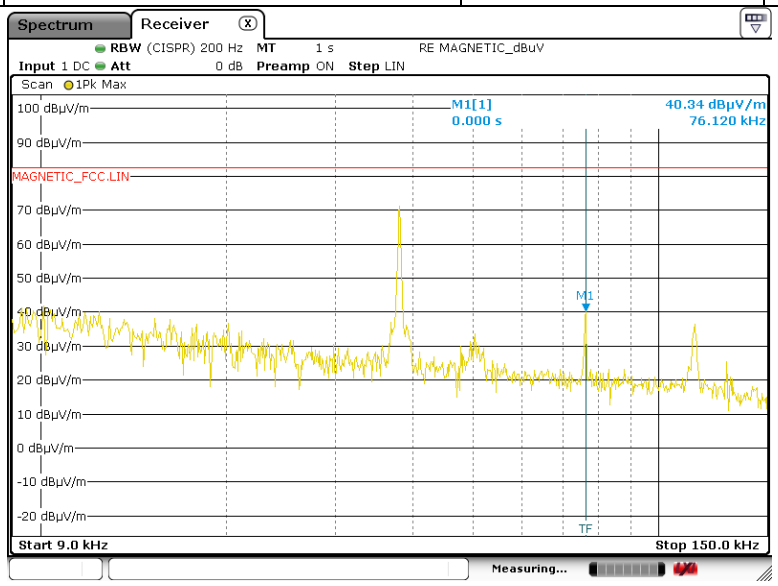
0.15 MHz ~ 30 MHz				
Test voltage	208 V, 60 Hz	Polarization	Horizontal	**P**



CBIS3618B_Center_Hor_150k_FCC_208

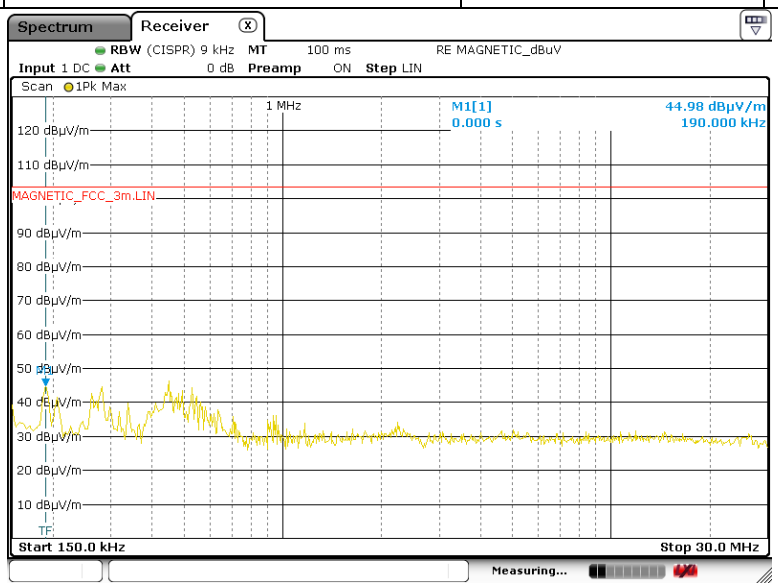
Date: 20.SEP.2023 15:39:47

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**



CBIS3618B_Center_Ver_9k_FCC_208
Date: 20.SEP.2023 14:25:01

0.15 MHz ~ 30 MHz				
Test voltage	208 V, 60 Hz	Polarization	Vertical	**P**



CBIS3618B_Center_Ver_150k_FCC_208
Date: 20.SEP.2023 15:24:18

6.6.6. Operating condition: Cooking element #1

Measurement table – *Magnetic Field* , 0.009 MHz to 30 MHz				**Verdict**
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**

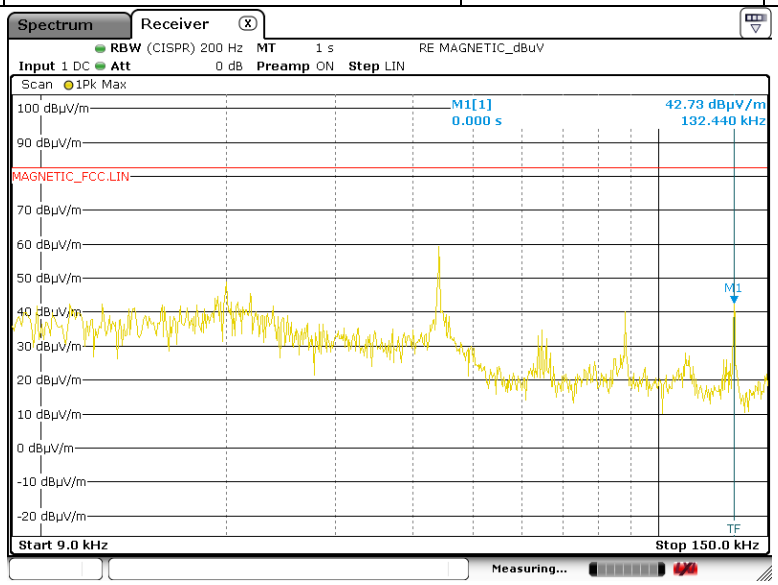
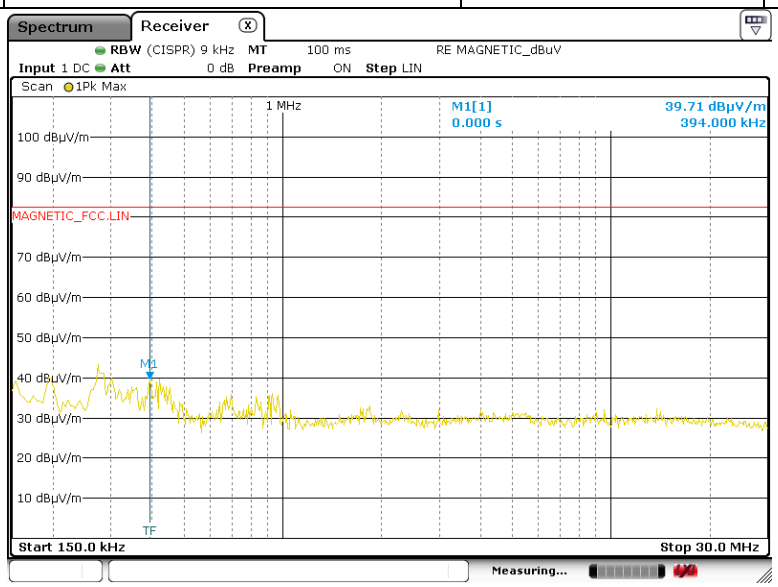
Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.044	58.9	83.15	63.5	24.3
0.132	36.7	83.15	63.5	46.5
0.194	36.1	83.15	63.5	47.1
0.274	35.9	83.15	63.5	47.3

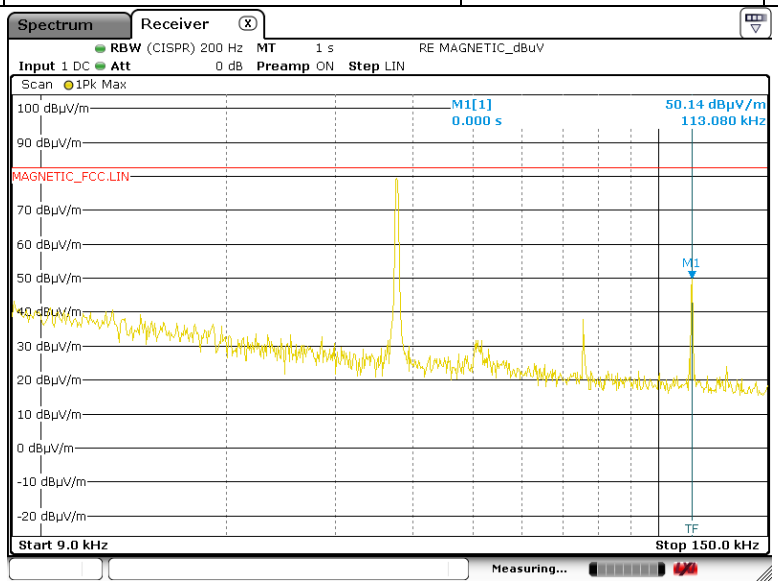
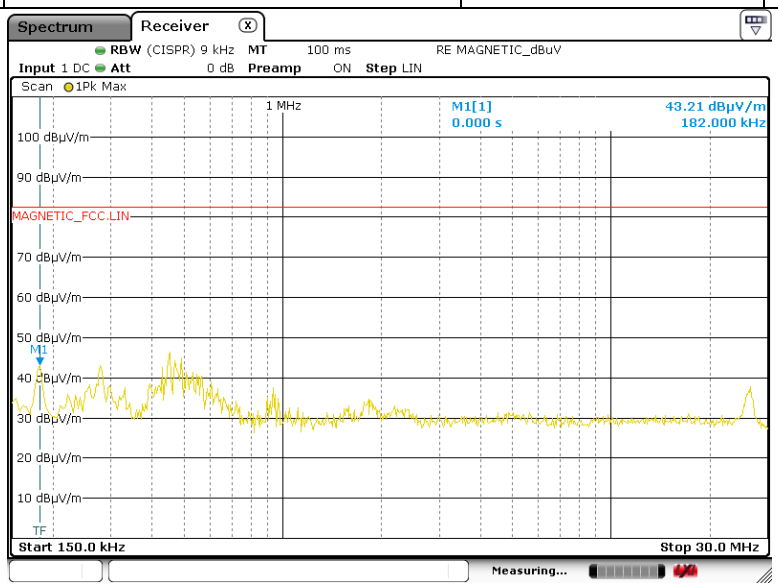
The measured value included and revised all related factor (LISN attenuation, Cable loss)

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

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.037	70.2	83.15	63.5	13.0
0.113	44.4	83.15	63.5	38.8
0.190	40.4	83.15	63.5	42.8
0.266	37.8	83.15	63.5	45.4
0.454	35.0	83.15	63.5	48.2

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

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Left Front_Hor_9k_FCC_240 Date: 21.SEP.2023 10:35:40			
0.15 MHz ~ 30 MHz				
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Left Front_Hor_150k_FCC_240 Date: 21.SEP.2023 08:07:09			

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Left Front_Ver_9k_FCC_240 Date: 21.SEP.2023 10:17:24			
0.15 MHz ~ 30 MHz				
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Left Front_Ver_150k_FCC_240 Date: 21.SEP.2023 08:49:56			

6.6.7. Operating condition: Cooking element #2

Measurement table – *Magnetic Field* , 0.009 MHz to 30 MHz				**Verdict**
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**

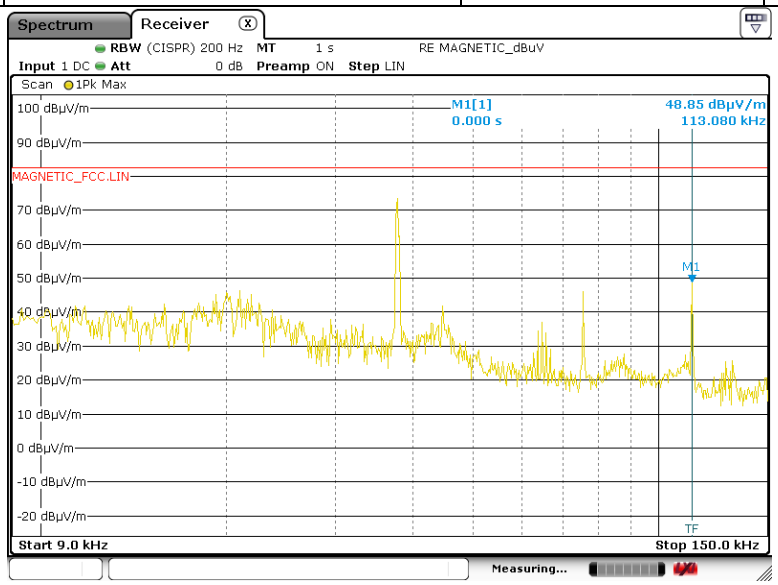
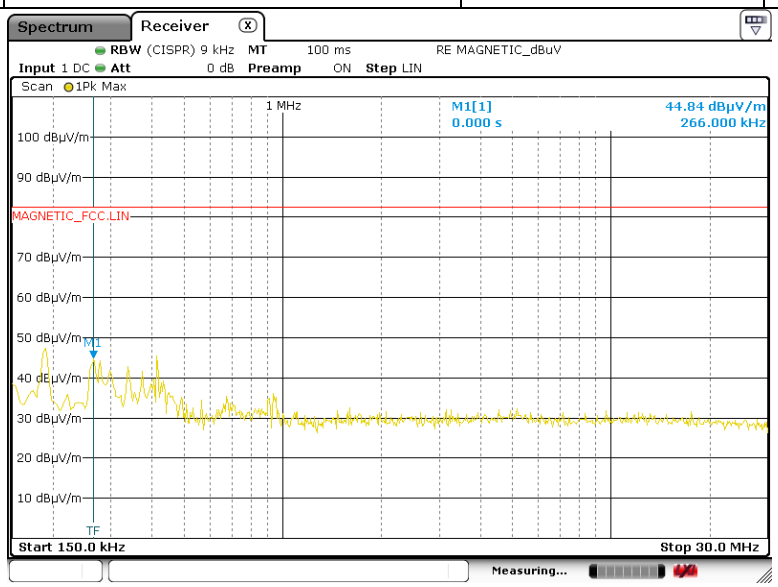
Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.037	67.3	83.15	63.5	15.9
0.113	43.9	83.15	63.5	39.3
0.190	42.3	83.15	63.5	40.9
0.266	38.7	83.15	63.5	44.5

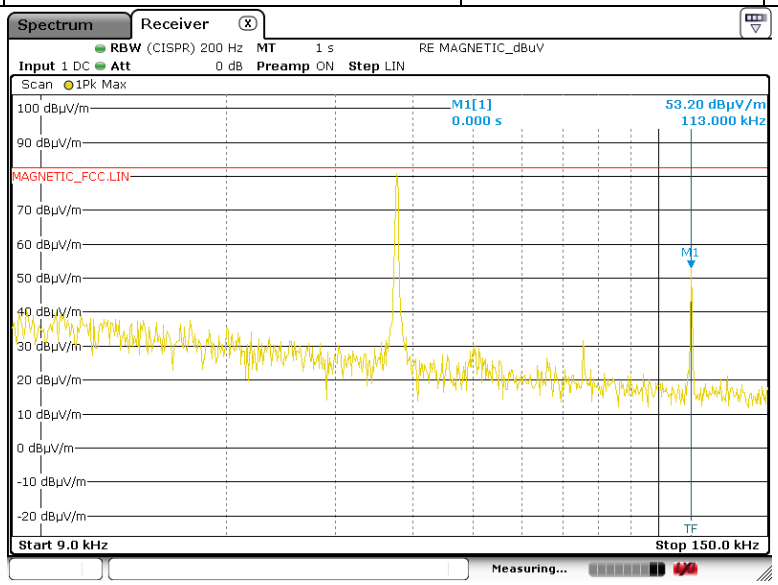
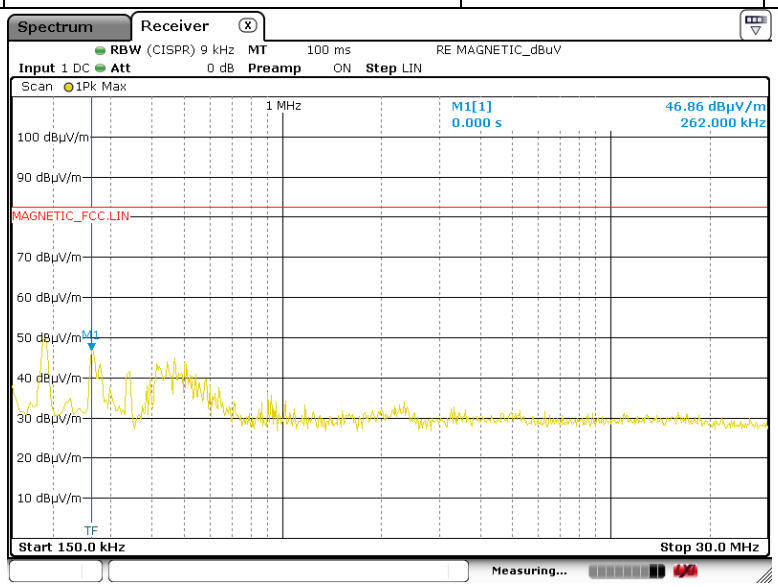
The measured value included and revised all related factor (LISN attenuation, Cable loss)

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

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.037	75.0	83.15	63.5	8.2
0.113	49.7	83.15	63.5	33.5
0.190	40.1	83.15	63.5	43.1
0.262	37.2	83.15	63.5	46.0

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

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Left Rear_Hor_9k_FCC_240 Date: 20.SEP.2023 18:35:27			
0.15 MHz ~ 30 MHz				
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Left Rear_Hor_150k_FCC_240 Date: 20.SEP.2023 21:12:22			

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Left Rear_Ver_9k_FCC_240 Date: 20.SEP.2023 19:38:15			
0.15 MHz ~ 30 MHz				
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Left Rear_Ver_150k_FCC_240 Date: 20.SEP.2023 19:56:24			

6.6.8. Operating condition: Cooking element #3

Measurement table – *Magnetic Field* , 0.009 MHz to 30 MHz				**Verdict**
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**

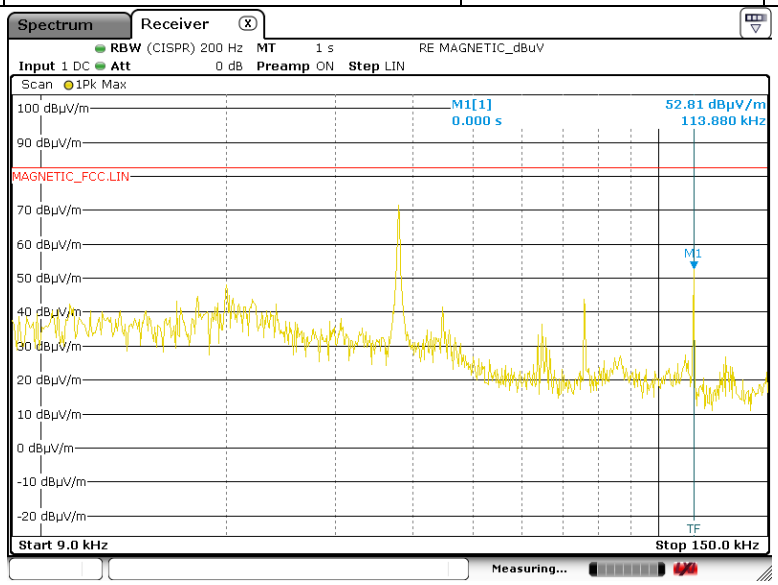
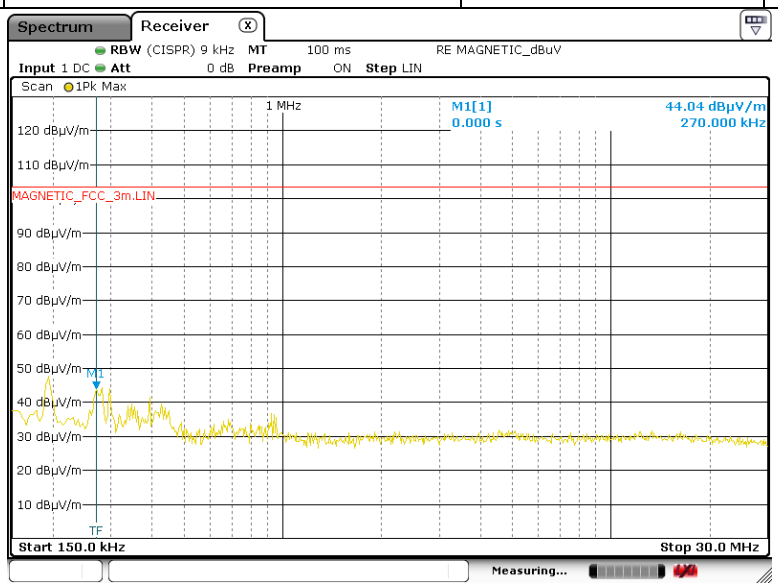
Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.037	68.0	83.15	63.5	15.2
0.113	47.7	83.15	63.5	35.5
0.194	42.7	83.15	63.5	40.5
0.270	37.8	83.15	63.5	45.4

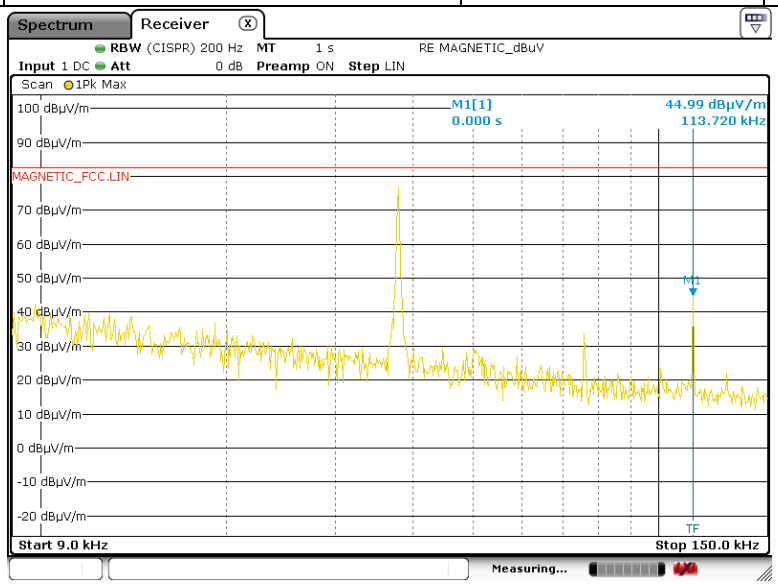
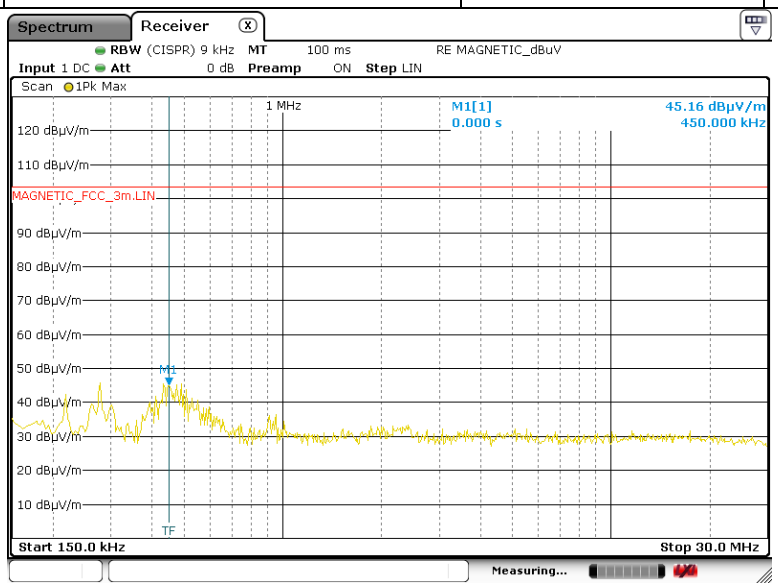
The measured value included and revised all related factor (LISN attenuation, Cable loss)

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

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.037	74.0	83.15	63.5	9.2
0.113	43.7	83.15	63.5	39.5
0.278	34.3	83.15	63.5	48.9
0.450	35.7	83.15	63.5	47.5

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

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Right Front_Hor_9k_FCC_240 Date: 20.SEP.2023 18:19:31			
0.15 MHz ~ 30 MHz				
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Right Front_Hor_150k_FCC_240 Date: 20.SEP.2023 16:12:52			

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Right Front_Ver_9k_FCC_240 Date: 20.SEP.2023 17:25:18			
0.15 MHz ~ 30 MHz				
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Right Front_Ver_150k_FCC_240 Date: 20.SEP.2023 17:10:20			

6.6.9. Operating condition: Cooking element #4

Measurement table – *Magnetic Field* , 0.009 MHz to 30 MHz				**Verdict**
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**

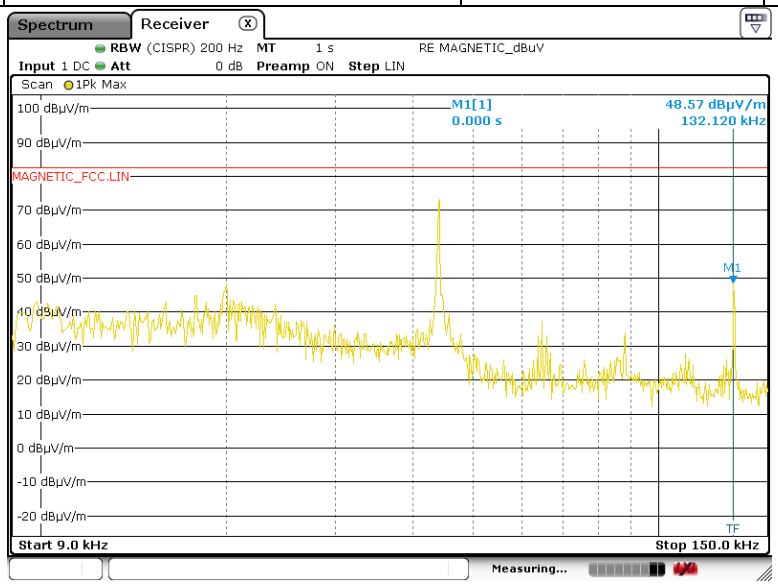
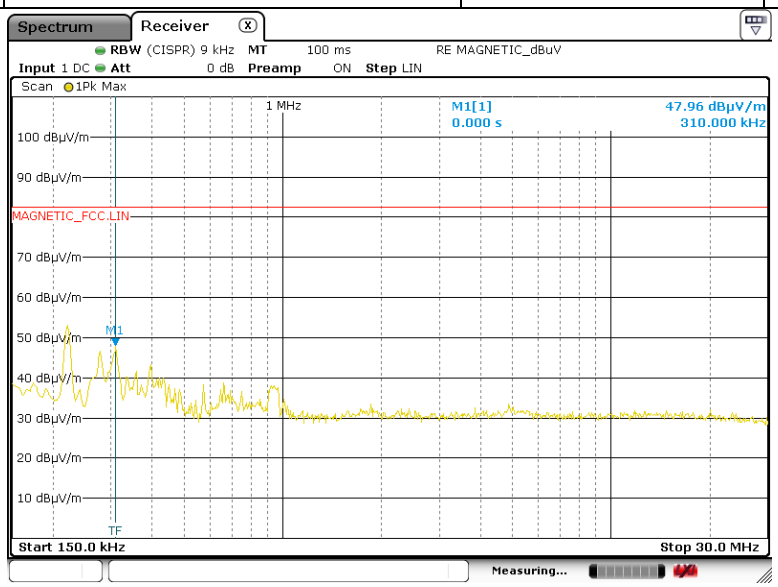
Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.044	68.9	83.15	63.5	14.3
0.132	45.9	83.15	63.5	37.3
0.222	49.8	83.15	63.5	33.4
0.310	42.7	83.15	63.5	40.5

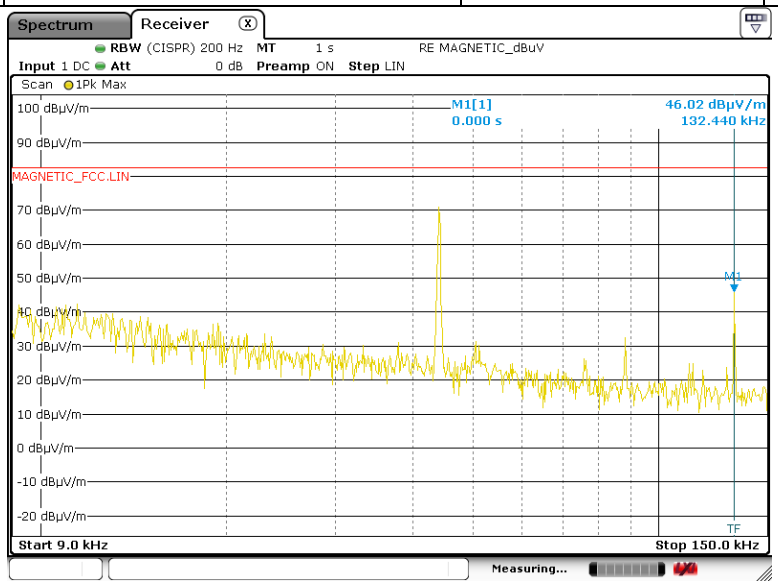
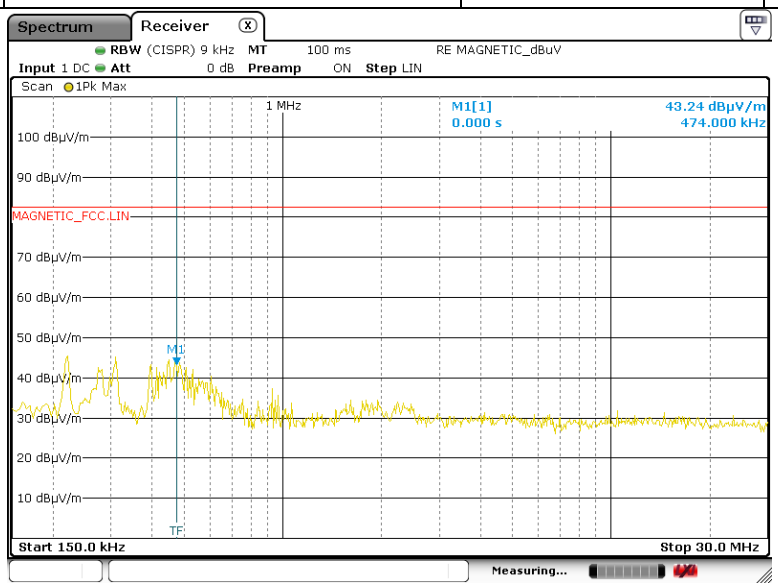
The measured value included and revised all related factor (LISN attenuation, Cable loss)

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

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.044	69.3	83.15	63.5	13.9
0.132	37.8	83.15	63.5	45.4
0.222	21.7	83.15	63.5	61.5
0.310	40.2	83.15	63.5	43.0
0.474	34.9	83.15	63.5	48.3

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

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Right Rear_Hor_9k_FCC_240 Date: 21.SEP.2023 11:31:39			
0.15 MHz ~ 30 MHz				
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Right Rear_Hor_150k_FCC_240 Date: 21.SEP.2023 13:59:43			

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Right Rear_Ver_9k_FCC_240 Date: 21.SEP.2023 11:54:35			
0.15 MHz ~ 30 MHz				
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Right Rear_Ver_150k_FCC_240 Date: 21.SEP.2023 13:44:25			

6.6.10. Operating condition: Cooking element #5

Measurement table – *Magnetic Field* , 0.009 MHz to 30 MHz				**Verdict**
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**

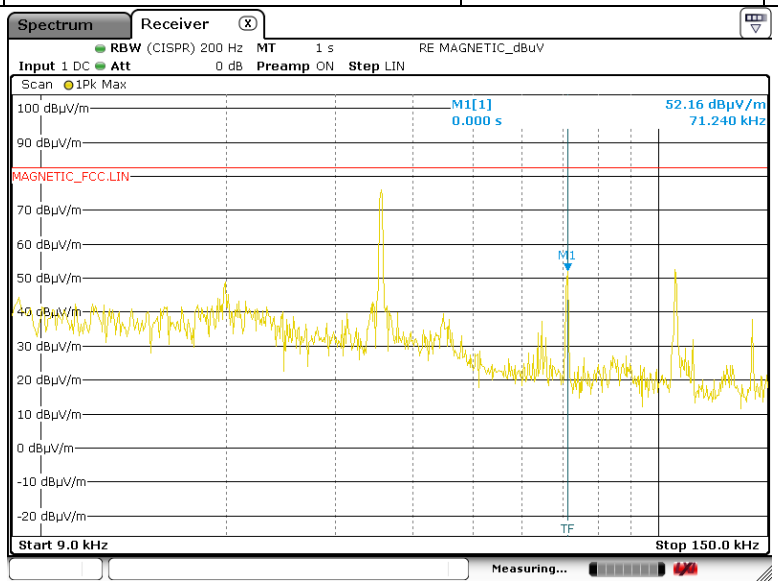
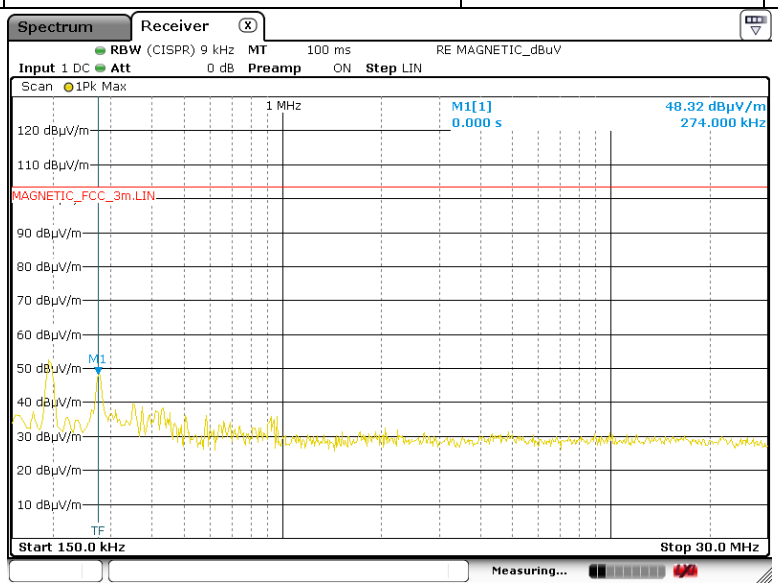
Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.035	66.8	83.15	63.5	16.4
0.071	20.4	83.15	63.5	62.8
0.194	50.0	83.15	63.5	33.2
0.274	44.2	83.15	63.5	39.0

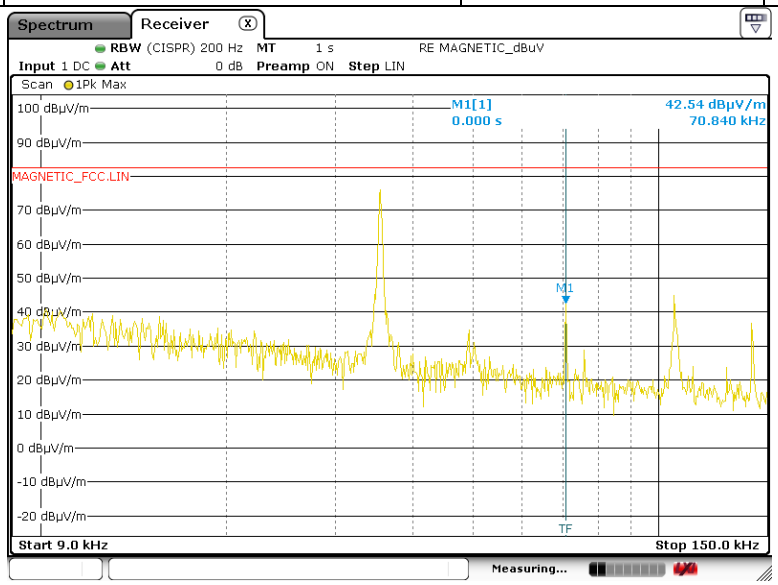
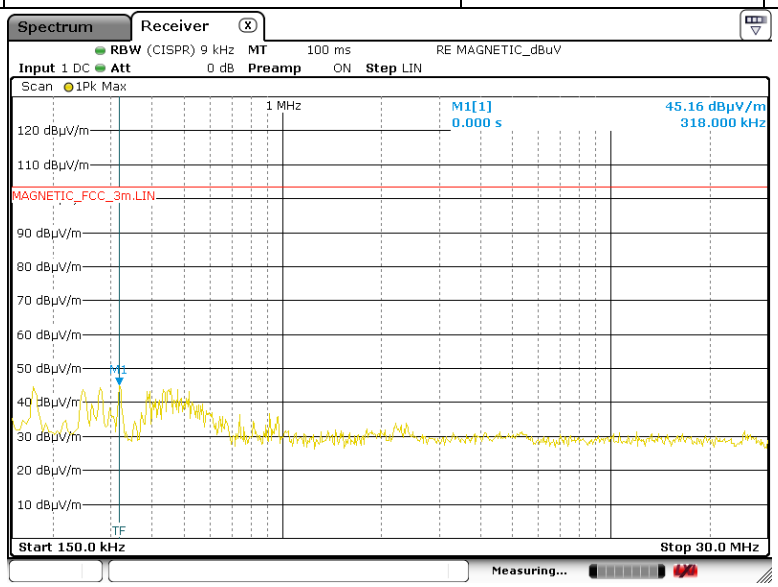
The measured value included and revised all related factor (LISN attenuation, Cable loss)

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

Frequency [MHz]	Average			
	Disturbance Level [dBuV/m] at 10 m	Permitted Limit [dBuV/m] 10 m	Permitted Limit [dBuV/m] 30 m	Margin
0.035	72.9	83.15	63.5	10.3
0.070	33.8	83.15	63.5	49.4
0.174	35.2	83.15	63.5	48.0
0.318	40.8	83.15	63.5	42.4

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

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Center_Hor_9k_FCC_240 Date: 20.SEP.2023 13:44:34			
0.15 MHz ~ 30 MHz				
Test voltage	240 V, 60 Hz	Polarization	Horizontal	**P**
	 CBIS3618B_Center_Hor_150k_FCC_240 Date: 20.SEP.2023 15:57:57			

Spectral Diagrams - Magnetic Field **, 0.009 MHz to 30 MHz**				**Verdict**
0.009 MHz ~ 0.15 MHz				
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Center_Ver_9k_FCC_240 Date: 20.SEP.2023 14:47:45			
0.15 MHz ~ 30 MHz				
Test voltage	240 V, 60 Hz	Polarization	Vertical	**P**
	 CBIS3618B_Center_Ver_150k_FCC_240 Date: 20.SEP.2023 15:03:01			

8. Recommendation & Conclusion

The data collected shows that the **LG Electronics USA. HOUSEHOLD COOKTOP (Model Name: CBIS3618B,CBIS3618BE,CBIS3618B*)** was complies with §18.305 and 18.307 of the FCC Rules.

- The end