

EMC TEST REPORT

Applicant	Aava Mobile Oy
FCC ID	2ABVH-INARI10E2
Product	10" Tablet Computer
Brand	AAVA
Model	INARI-E-10-T5G-1
Report No.	EFTA25070216-IE-01-E1
Issue Date	December 31, 2025

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC Code CFR47 Part15B (2025)/ ANSI C63.4-2014**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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Summary of measurement results

Number	Test Case	Clause in FCC Rules	Conclusion
1	Radiated Emission	FCC Part15.109, ANSI C63.4-2014	PASS
2	Conducted Emission	FCC Part15.107, ANSI C63.4-2014	PASS
Date of Testing: July 22, 2025 ~ July 24, 2025			
Date of Sample Received: July 16, 2025			
Note:			
1. All indications of Pass/Fail in this report are opinions expressed by Eurofins TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **Eurofins TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2 Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

A2LA (Certificate Number: 3857.01)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

1.3 Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
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2 General Description of Equipment Under Test

2.1 Applicant and Manufacturer Information

Applicant	Aava Mobile Oy
Applicant address	Nahkatehtaankatu 2, FI-90130 Oulu, Finland
Manufacturer	Aava Mobile Oy
Manufacturer address	Nahkatehtaankatu 2, FI-90130 Oulu, Finland

2.2 General Information

EUT Description			
Device Type	Portable Device		
Model	INARI-E-10-T5G-1		
SN	XBBB2FC5100058		
HW Version	DV2		
SW Version	007		
Power Rating	DC 3.85V from battery or DC 5V/9V from Adapter.		
Connecting I/O Port(s)	Please refer to the User's Manual.		
Antenna Type	WWAN	PIFA Antenna	
	Wi-Fi 2.4G/5G/6G/Bluetooth	Chip Antenna	
	NFC	Internal Antenna	
Frequency	Band	Tx (MHz)	Rx (MHz)
	LTE Band 2	1850 ~ 1910	1930 ~ 1990
	LTE Band 4	1710 ~ 1755	2110 ~ 2155
	LTE Band 5	824 ~ 849	869 ~ 894
	LTE Band 7	2500 ~ 2570	2620 ~ 2690
	LTE Band 12	699 ~ 716	729 ~ 746
	LTE Band 13	777 ~ 787	746 ~ 756
	LTE Band 14	788 ~ 798	758 ~ 768
	LTE Band 17	704 ~ 716	734 ~ 746
	LTE Band 25	1850 ~ 1915	1930 ~ 1995
	LTE Band 26	814 ~ 849	859 ~ 894
	LTE Band 30	2305 ~ 2315	2350 ~ 2360
	LTE Band 38	2570 ~ 2620	2570 ~ 2620
	LTE Band 41	2496 ~ 2690	2496 ~ 2690

	LTE Band 42	3400 ~ 3600	3400 ~ 3600
	LTE Band 43	3600 ~ 3800	3600 ~ 3800
	LTE Band 48	3550 ~ 3700	3550 ~ 3700
	LTE Band 66	1710 ~ 1780	2110 ~ 2180
	LTE Band 70	1695 ~ 1710	1995 ~ 2020
	LTE Band 71	663 ~ 698	617 ~ 652
	NR n2	1850 ~ 1910	1930 ~ 1990
	NR n5	824 ~ 849	869 ~ 894
	NR n7	2500 ~ 2570	2620 ~ 2690
	NR n12	699 ~ 716	729 ~ 746
	NR n13	777 ~ 787	746 ~ 756
	NR n14	788 ~ 798	758 ~ 768
	NR n25	704 ~ 716	734 ~ 746
	NR n26	1850 ~ 1915	1930 ~ 1995
	NR n30	2305 ~ 2315	2350 ~ 2360
	NR n38	2570 ~ 2620	2570 ~ 2620
	NR n41	2496 ~ 2690	2496 ~ 2690
	NR n48	3550 ~ 3700	3550 ~ 3700
	NR n53	2483.5 ~ 2495	2483.5 ~ 2495
	NR n66	1710 ~ 1780	2110 ~ 2180
	NR n70	1695 ~ 1710	1995 ~ 2020
	NR n71	663 ~ 698	617 ~ 652
	NR n77	3300 ~ 4200	3300 ~ 4200
	NR n78	3300 ~ 3800	3300 ~ 3800
	Bluetooth	2400 ~ 2483.5	2400 ~ 2483.5
	Wi-Fi 2.4GHz	2400 ~ 2483.5	2400 ~ 2483.5
	Wi-Fi 5GHz (U-NII-1)	5150 ~ 5250	5150 ~ 5250
	Wi-Fi 5GHz (U-NII-2A)	5250 ~ 5350	5250 ~ 5350
	Wi-Fi 5GHz (U-NII-2C)	5470 ~ 5725	5470 ~ 5725
	Wi-Fi 5GHz (U-NII-3)	5725 ~ 5850	5725 ~ 5850
	Wi-Fi 6G (U-NII-5)	5925 ~ 6425	5925 ~ 6425
	Wi-Fi 6G (U-NII-6)	6425 ~ 6525	6425 ~ 6525
Wi-Fi 6G (U-NII-7)	6525 ~ 6875	6525 ~ 6875	
Wi-Fi 6G (U-NII-8)	6875 ~ 7125	6875 ~ 7125	
NFC	13.56	13.56	
EUT Accessory			
Battery	Manufacturer: Shenzhen Guangwei Electronic Technology Co., Ltd. Model: AMME5260		
Auxiliary Test Equipment			
PC	Manufacturer: DELL Model: Latitude 3420 (SN: GHSCR93)		
Note:			
1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the			

applicant.

2. Radio equipment in band 28 is only allowed to operate from 703 MHz to 716 MHz for Subset 1; 728 MHz to 746 MHz for Subset 2 for the transmitter. 758 MHz to 771 MHz for Subset 1; 783 MHz to 801 MHz for Subset 2 for the receiver.

Radio equipment in band n77 is only allowed to operate from 3450 MHz to 3550 MHz for Subset 1; 3700 MHz to 3980 MHz for Subset 2 for the transmitter and receiver.

Radio equipment in band n78 is only allowed to operate from 3450 MHz to 3550 MHz for Subset 1; 3700 MHz to 3800 MHz for Subset 2 for the transmitter and receiver.

2.3 Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test standards

FCC Code CFR47 Part15B (2025)

ANSI C63.4-2014

2.4 Test Mode

Test Mode	
Mode 1:	Adapter +USB cable + Front camera On +Bluetooth/ Wi-Fi /NFC receiver
Mode 2:	Adapter +USB cable + Rear camera On +Bluetooth/Wi-Fi/NFC receiver
Mode 3:	Adapter + USB cable + play (1kHz)
Mode 4:	USB Copy (EUT with PC) + USB cable
Mode 5:	USB Copy (PC card with EUT + USB cable
Mode 6:	EUT +Front Camera On +Bluetooth/Wi-Fi/NFC receiver
Mode 7:	EUT+ Rear camera On +Bluetooth/ Wi-Fi /NFC receiver
Mode 8:	EUT + earphone + play (1kHz)

Test Type	Test Mode	Worst Mode
Radiated Emission	Mode 1, 2, 3, 4, 5, 6, 7, 8	Mode 4
Conducted Emission	Mode 1, 2, 3, 4, 5	Mode 5
After technical evaluation or/and preliminary test, the test data of the worst-case condition was recorded in this report.		

3 Test Case Results

3.1 Radiated Emission

Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	30% ~ 60%

Methods of Measurement

The EUT is placed on a non-metallic table 0.8m above the horizontal metal reference ground plane. The distance between EUT and receive antenna should be 3 meters. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.4-2014. Sweep the whole frequency band through the range from 30MHz to the 5th harmonic of the carrier. During the test, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turn table shall be rotated from 0 to 360 degrees for detecting the maximum of radiated signal level.

The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing. During the test, the EUT is worked at maximum output power.

Set the spectrum analyzer in the following:

Below 1GHz:

RBW=100 kHz / VBW=300 kHz / Sweep=AUTO

Above 1GHz:

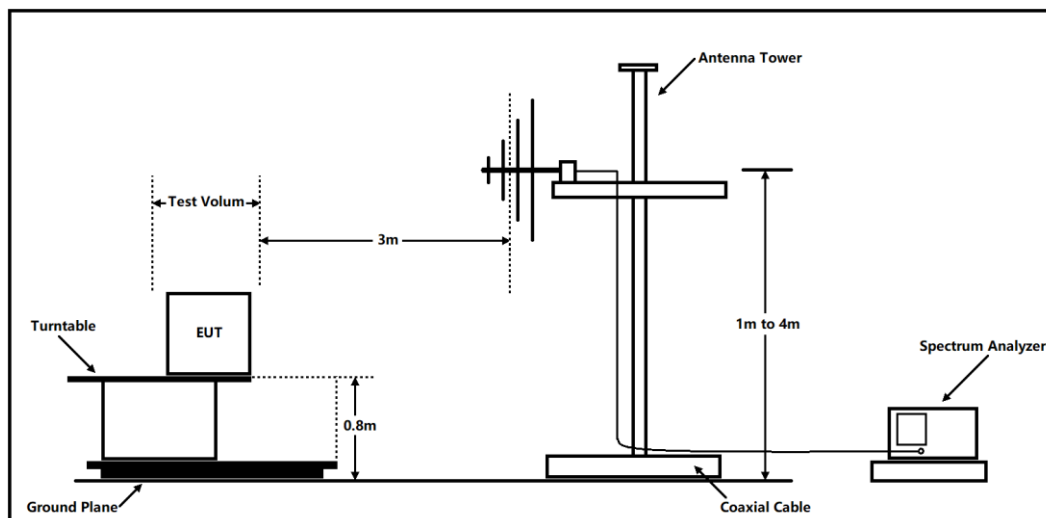
(a) PEAK Detector: RBW=1MHz / VBW=3MHz/ Sweep=AUTO

(b) AVERAGE Detector: RBW=1MHz / VBW=3MHz / Sweep=AUTO

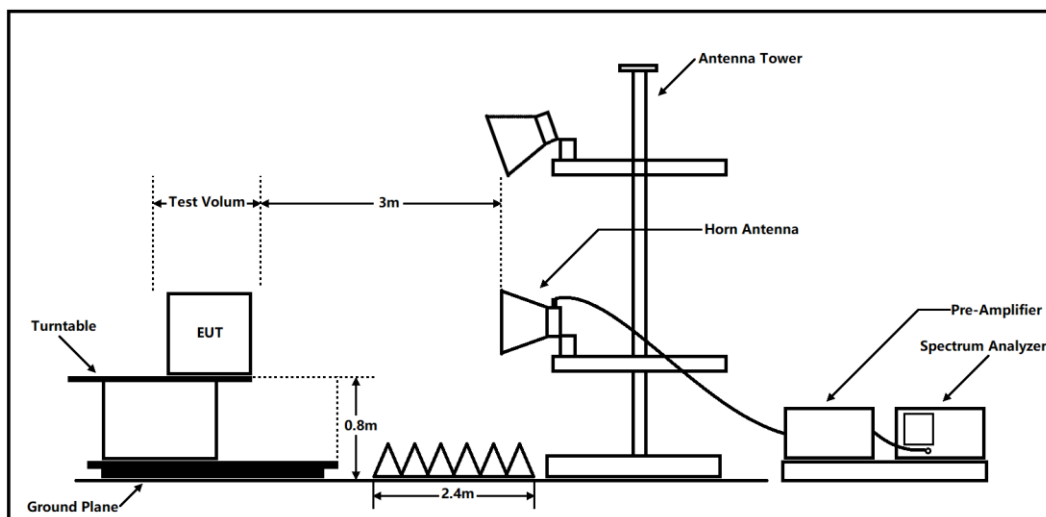
The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (X axis) and the worst case was recorded.

Test Setup

Below 1GHz



Above 1GHz



Note: Area side: 2.4mX3.6m

Antenna Tower meets ANSI C63.4 requirements for measurements above 1 GHz by keeping the antenna aimed at the EUT during the antenna's ascent/ descent along the antenna mast.

Limits

Class B

Frequency (MHz)	Field Strength (dB μ V/m)	Detector
30 -88	40.0	Quasi-peak
88-216	43.5	Quasi-peak
216 – 960	46.0	Quasi-peak
960-1000	54.0	Quasi-peak
1000-5 th harmonic of the highest frequency or 40GHz, which is lower	54 74	Average Peak

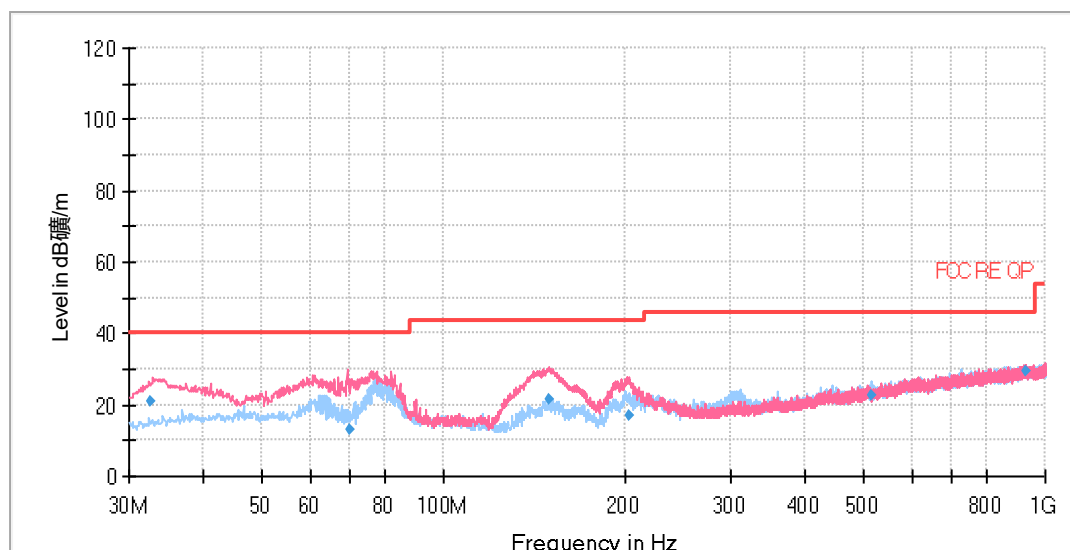
Frequency range of radiated measurements

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705-108	1000
108-500	2000
500-1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower.

Test Results

Sweep the whole frequency band through the range from 30MHz to the 5th harmonic of the carrier. The Emissions in the frequency band 18GHz – 40GHz is more than 20dB below the limit are not reported.

The following graphs display the maximum values of horizontal and vertical by software. For above 1GHz, Blue trace uses the peak detection, Green trace uses the average detection. A symbol ($\text{dB}\mu\text{V/m}$) in the test plot below means (dB $\mu\text{V/m}$)

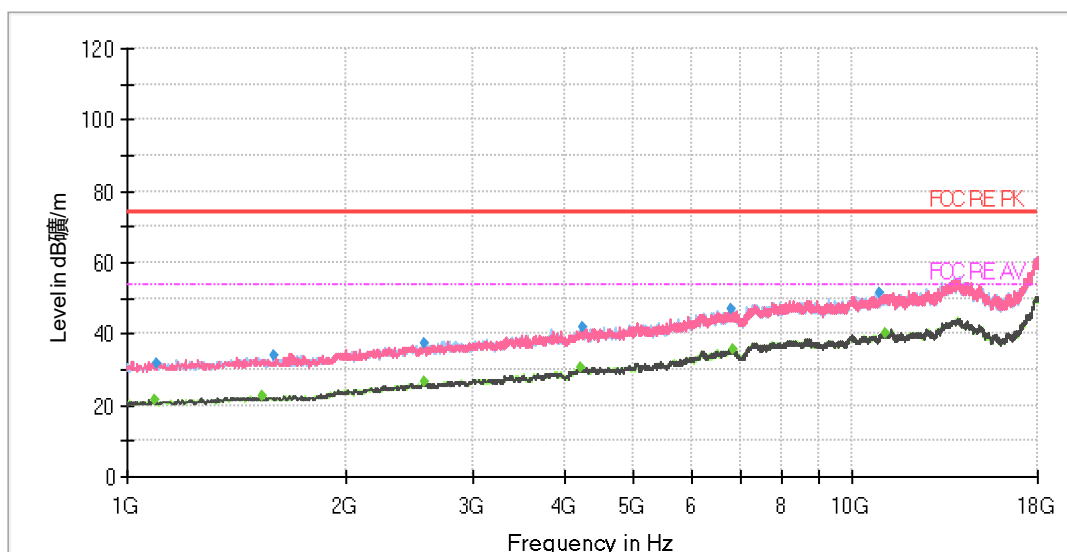


Radiated Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dB $\mu\text{V/m}$)	Limit (dB $\mu\text{V/m}$)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
32.67	21.19	40.00	18.81	101.0	V	0.00	17
69.60	13.08	40.00	26.92	225.0	V	24.00	16
149.99	21.50	43.50	22.00	101.0	V	252.00	15
203.07	17.00	43.50	26.50	101.0	V	296.00	18
512.54	22.88	46.00	23.12	100.0	H	0.00	26
926.68	29.32	46.00	16.68	101.0	V	28.00	32

Remark: 1. Correction Factor = Antenna factor + Insertion loss(cable loss)

2. Margin = Limit – Quasi-Peak



Radiated Emission from 1GHz to 18GHz

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1093.50	---	21.28	54.00	32.72	500.00	200.0	H	343.00	-15
1095.63	31.53	---	74.00	42.47	500.00	200.0	H	348.00	-15
1533.38	---	22.92	54.00	31.08	500.00	100.0	H	114.00	-12
1588.63	34.14	---	74.00	39.86	500.00	100.0	H	0.00	-12
2559.75	37.09	---	74.00	36.91	500.00	200.0	V	2.00	-7
2570.38	---	26.38	54.00	27.62	500.00	200.0	H	343.00	-7
4223.63	---	30.64	54.00	23.36	500.00	100.0	V	60.00	-2
4236.38	42.03	---	74.00	31.97	500.00	100.0	H	357.00	-2
6805.50	46.90	---	74.00	27.10	500.00	100.0	H	329.00	4
6848.00	---	35.73	54.00	18.27	500.00	100.0	H	23.00	4
10896.13	51.63	---	74.00	22.37	500.00	200.0	H	320.00	9
11108.63	---	40.39	54.00	13.61	500.00	200.0	H	0.00	9

Remark: 1. Correction Factor = Antenna factor + Insertion loss (cable loss + amplifier gain)

2. Margin = Limit – MaxPeak / Average

3.2 Conducted Emission

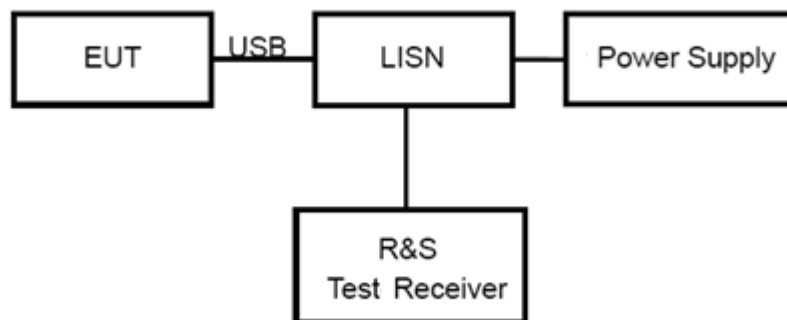
Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	30% ~ 60%

Methods of Measurement

The EUT is placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.4-2014. Connect the AC power line of the EUT to the L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, VBW is set to 30kHz. The measurement result should include both L line and N line.

Test Setup



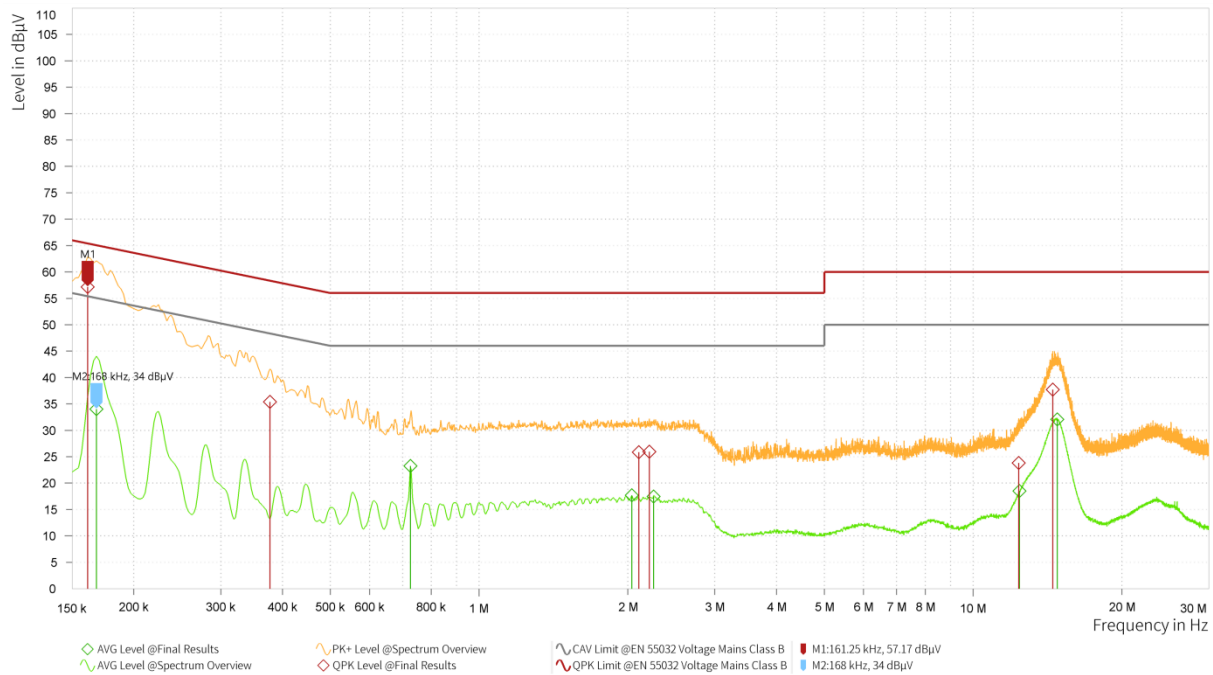
Note: Power Supply is AC Power source and it is used to change the voltage 120V/60Hz.

Limits

Frequency (MHz)	Class A (dBμV)		Class B (dBμV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 to 56 *	56 to 46*
0.5 - 5	73	60	56	46
5 - 30	73	60	60	50
*: Decreases with the logarithm of the frequency.				

Note: The EUT should meet CLASS B limit.

Test Results

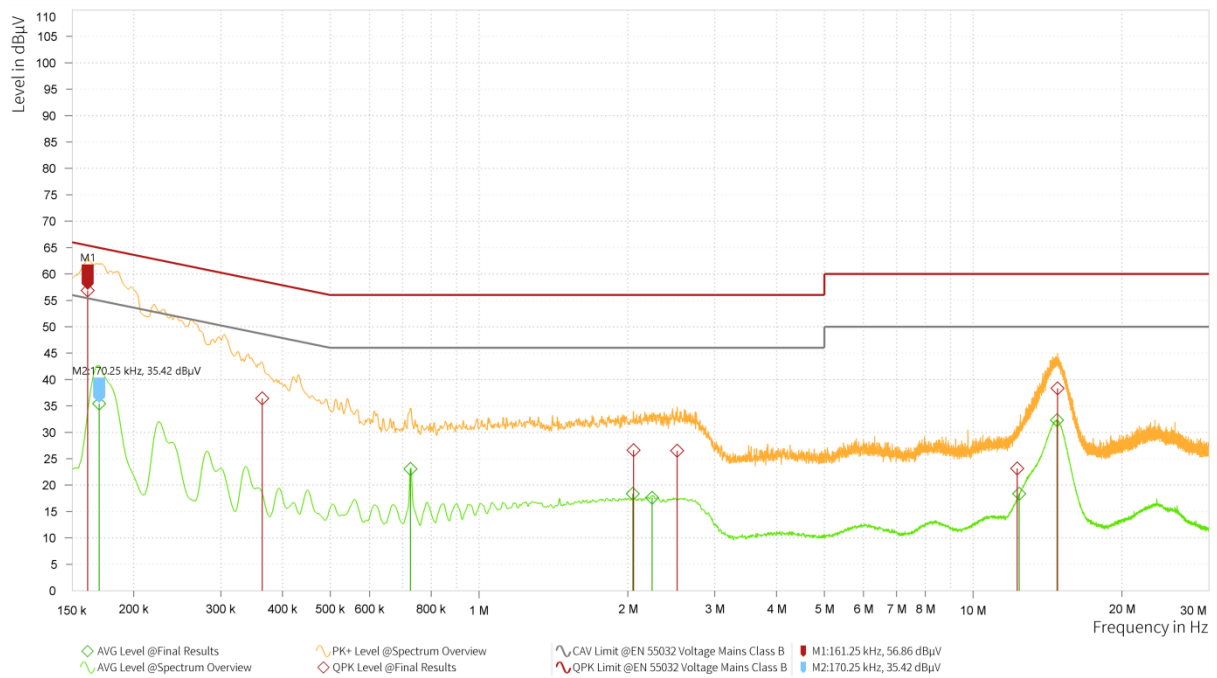


Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.161	57.17	65.40	8.22				20.89	L1	9.000	1.000
0.168				34.00	55.06	21.06	20.89	L1	9.000	1.000
0.377	35.38	58.34	22.96				20.90	L1	9.000	1.000
0.726				23.24	46.00	22.76	20.51	L1	9.000	1.000
2.038				17.71	46.00	28.29	19.64	L1	9.000	1.000
2.105	25.87	56.00	30.13				19.62	L1	9.000	1.000
2.211	25.95	56.00	30.05				19.60	L1	9.000	1.000
2.256				17.46	46.00	28.54	19.59	L1	9.000	1.000
12.377	23.82	60.00	36.18				19.43	L1	9.000	1.000
12.406				18.52	50.00	31.48	19.44	L1	9.000	1.000
14.492	37.73	60.00	22.27				19.49	L1	9.000	1.000
14.800				32.08	50.00	17.92	19.50	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line

Conducted Emission from 150 kHz to 30 MHz



Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	AVG Level [dBµV]	AVG: CAV Limit [dBµV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.161	56.86	65.40	8.54				20.90	N	9.000	1.000
0.170				35.42	54.95	19.53	20.90	N	9.000	1.000
0.364	36.44	58.64	22.21				20.92	N	9.000	1.000
0.726				23.07	46.00	22.93	20.52	N	9.000	1.000
2.047				18.34	46.00	27.66	19.65	N	9.000	1.000
2.054	26.60	56.00	29.40				19.64	N	9.000	1.000
2.240				17.58	46.00	28.42	19.60	N	9.000	1.000
2.517	26.51	56.00	29.49				19.55	N	9.000	1.000
12.280	23.16	60.00	36.84				19.46	N	9.000	1.000
12.401				18.33	50.00	31.67	19.46	N	9.000	1.000
14.789				32.30	50.00	17.70	19.53	N	9.000	1.000
14.822	38.32	60.00	21.68				19.53	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line

Conducted Emission from 150 kHz to 30 MHz

4 Uncertainty Measurement

Case	Uncertainty	Factor k
Radiated Emission 30MHz – 200MHz	4.17 dB	1.96
Radiated Emission 200MHz – 1GHz	4.84 dB	1.96
Radiated Emission 1GHz – 18GHz	4.35 dB	1.96
Radiated Emission 18GHz – 26.5GHz	5.90 dB	1.96
Radiated Emission 26.5GHz – 40GHz	5.92 dB	1.96
Conducted Emission	2.57 dB	2

5 Main Test Instruments

Name of Equipment	Manufacturer	Type/Model	Serial Number	Calibration Date	Expiration Time
Radiated Emission					
EMI Test Receiver	R&S	ESCI3	100948	2025-05-07	2026-05-06
Signal Analyzer	R&S	FSV40	101186	2025-05-06	2026-05-05
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	1023	2023-07-14	2026-07-13
Horn Antenna	SCHWARZBECK	BBHA 9120D	430	2024-07-18	2027-07-17
Amplifier	R&S	SCU18F	101022	2025-05-06	2026-05-05
Software	R&S	EMC32	9.26.01	/	/
Conducted Emission					
Artificial main network	R&S	ENV216	102191	2024-12-02	2026-12-01
EMI Test Receiver	R&S	ESR	101667	2025-05-06	2026-05-05
Software	R&S	EMC32	10.35.10	/	/

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

***** END OF REPORT *****