



Deutsche
Akkreditierungsstelle
D-PL-21375-01-00



BNetzA-CAB-21/21-21

Test Report

Test report no.: 23089050-34220-0

Date of issue: 2023-10-24

Test result: The test item - **passed** - and complies with the listed standards.

Applicant

Mitsubishi Electric Corporation Sanda Works

Manufacturer

Mitsubishi Electric Corporation Sanda Works

Test Item

R1LOW-SB-M

Electromagnetic Compatibility Testing according to:

47 CFR Part 15

Radio frequency devices,
Subpart B – Unintentional Radiators
(§15.107, §15.109)

ICES-003 Issue 7

Information Technology Equipment
(including Digital Apparatus)
(3.1.1, 3.2.2)

Tested by
(name, function, signature)

Frank von Ehren
Lab Manager EMC

Approved by
(name, function, signature)

Florian Schmidt
Head of Department EMC

Applicant and Test item details	
Applicant	<i>Mitsubishi Electric Corporation Sanda Works 2-3-33, Miwa, Sanda-city, Hyogo 669-1513 Japan Design-A Section, Multimedia Design Dept. Phone: +81 79 559 3505 Fax: --- E-Mail: Kuriyama.Koichi@bc.MitsubishiElectric.co.jp</i>
Manufacturer	<i>Mitsubishi Electric Corporation Sanda Works 2-3-33, Miwa, Sanda-city, Hyogo 669-1513 Japan Design-A Section, Multimedia Design Dept. Phone: +81 79 559 3505 Fax: --- E-Mail: Kuriyama.Koichi@bc.MitsubishiElectric.co.jp</i>
Test item description	Display Audio
Model/Type reference	R1LOW-SB-M

Disclaimer and Notes

The content of this report relates to the mentioned test sample(s) only.
IBL-Lab GmbH does not take samples. The samples used for testing are provided by the applicant.
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Signatures are done electronically, if signer does not match stated signer, it is signed per order.
Information supplied by the applicant can affect the validity of results. The data is marked accordingly.

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Within this test report, a ☒ point / □ comma is used as a decimal separator.
If otherwise, a detailed note is added adjoined to its use.

Decision rule based on simple acceptance without guard bands, binary statement, based on mutually agreed uncertainty tolerances with expansion factor k=2.

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2 GENERAL INFORMATION

2.1 Administrative details

Testing laboratory	IBL-Lab GmbH Heinrich-Hertz-Allee 7 66386 Sankt Ingbert / Germany Fon: +49 6894 38938-0 Fax: +49 6894 38938-99 URL: www.ib-lenhardt.de E-Mail: info@ib-lenhardt.de
Accreditation	The testing laboratory is accredited by Deutsche Akkreditierungsstelle GmbH (DAkkS) in compliance with DIN EN ISO/IEC 17025:2018. Scope of testing and registration number: - Attachment to the accreditation certificate D-PL-21375-01-00 - Electronics - Electromagnetic Compatibility - Radio - Electromagnetic Compatibility and Telecommunication (FCC requirements) - Telecommunication (TC) and Electromagnetic Compatibility (EMC) for Canadian Standards - Automotive EMC Website DAkkS: https://www.dakks.de/ The Deutsche Akkreditierungsstelle GmbH (DAkkS) is also a signatory to the ILAC Mutual Recognition Arrangement. - Designations - FCC Testing Laboratory Designation No. DE0024 - ISED Company Number 27156 - Testing Laboratory CAB Identifier DE0020 Kraftfahrt-Bundesamt KBA-P 00120-23
Testing location	IBL-Lab GmbH Heinrich-Hertz-Allee 7 66386 St. Ingbert / Germany
Date of receipt of test samples	2023-09-20
Start – End of tests	2023-09-20 – 2023-09-26

2.2 Possible test case verdicts

Test sample meets the requirements	passed
Test sample does not meet the requirements	failed
Test case does not apply to the test sample	n/a (not applicable)
Test case not performed	n/p (not performed)

2.3 Observations

No additional observations other than the reported observations within this test report have been made.

2.4 Opinions and interpretations

No appropriate opinions or interpretations according ISO/IEC 17025:2017.

2.5 Revision History

-0 Initial Version

3 ENVIRONMENTAL & TEST CONDITIONS

	<i>Environmental condition</i>	<i>Test condition</i>
Temperature	20°C ± 5°C	21°C
Relative humidity	25-75% r.H.	62% r.H.
Barometric Pressure	860-1060 mbar	1022 mbar

4 TEST STANDARDS AND REFERENCES

Test standard (accredited)	Description
47 CFR Part 15	Radio frequency devices, Subpart B – Unintentional Radiators (§15.107, §15.109)

Reference	Description
ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
ANSI C63.10-2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

5 EQUIPMENT UNDER TEST (EUT)

5.1 EUT A

5.1.1 Product description*

Test item* Display Audio

Function overview*

Mecha-Variant	ID #	Model Name	DDR*1)			UFS*2)			SXM*3)	DAB	FM2	2nd USB	Ethernet	Digital RVCs	Analog RVC*4)	B CAN Term.	C CAN Term.
SBX	37	R1LOW-SB-M	4GB	105	Samsung	32GB	105	Samsung	---	---	---	X	---	1	1	X	X

*1) Main Memory

*2) Universal Flash Storage

*3) SiriusXM

*4) Rear View Camera

*: as declared by applicant

5.1.2 Description of test item

Model name*	R1LOW-SB-M
EUT status*	24MY
Serial number*	70201
Control number*	37
PCB identifier*	N211J71317
Hardware status*	NR-0C-24MY
Software status*	Android 10

*: as declared by applicant

5.1.3 Additional information

5.1.4 Operation Modes during test

Operation mode 1 (op.1)	Active RVC and continuous reception of a 400 Hz sine wave tone over FM radio; CAN- Bus active; unused ports terminated; WLAN, BT idle
Operation mode 2 (op.2)	Continuous reception of a 400 Hz sine wave tone sent by a plugged media player over USB; CAN- Bus active; unused ports terminated; WLAN, BT idle

5.1.5 Technical data of test item		
Operational frequency band*	Bluetooth and Bluetooth LE: 2402 - 2480 MHz Car radio: AM: 530~1710 kHz FM: 87.7~107.9 MHz GPS/GLONASS/BeiDou/Galileo: GPS: 1575.42 MHz GLONASS: 1597.5515~1605.886 MHz BeiDou: 1559.052~1563.144 MHz Galileo: 1575.42 MHz WLAN 2.4 GHz band: 2412 - 2472 MHz WLAN 5 GHz band: 5180 - 5240 MHz 5260 - 5320 MHz 5500 - 5720 MHz 5745 - 5825 MHz	
Power supply*	battery powered (9 V – 16.5 V)	
Nominal supply voltage*	DC 12.6 V	
Ports*	Classification*	Direction*
	DC mains	input
	Signal/control (vehicle cable harness)	in/output
	Signal/control fakra (digital RVC)	in/output
	Signal/control HSAL2 (USB)	in/output
	Antenna fakra (FM/AM)	input
	Antenna fakra (GNSS)	input
	Antenna (Bluetooth/ WiFi)	in/output
	Signal/control fakra (HSD Display)	in/output

*: as declared by applicant

6 Associated equipment (AE)

6.1 AE 1

Product description

GPS antenna

Description

Frequency: 1575.42 MHz

Voltage: 3 V – 5 V

Hardware status ---

Software status ---

6.2 AE 2

Product description*

Digital camera (RVC)

Description*

Model name ---

Serial number C110001921601887

Hardware status 170100

Software status 182500 E179127 A

6.3 AE 3

Product description*

USB HUB

Description*

Model name ---

Serial number ---

Hardware status ---

Software status ---

6.4 AE 4

Product description*

CAN Tool 2

Description*

Model name CT2E1001-5HNLT

Serial number 12J0918B

Hardware status ---

Software status ---

6.5 AE 5**Product description***

Molex BT / WiFi antenna

Description*

Model name	P68306857AA/00534042660
-------------------	-------------------------

Serial number	---
----------------------	-----

Hardware status	---
------------------------	-----

Software status	---
------------------------	-----

6.6 AE 6**Product description**

External Display incl. HDMI converter

Description

Model name	ON-LAP 1303
-------------------	-------------

Serial number	11303280910903
----------------------	----------------

Hardware status	---
------------------------	-----

Software status	---
------------------------	-----

7 SUMMARY OF TEST RESULTS

Test specification

FCC 47 CFR Part 15
ICES-003 Issue 7

Clause	Requirement / Test case	Chapter	Test Conditions	Result / Remark	Verdict
§15.107	Conducted limits	8.1	normal	Class B	n/a
§15.109	Radiated emission limits	8.2	normal	Class B	passed

Comments and observations

8 TEST RESULTS

8.1 Conducted emission (§15.107)

Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power

8.2 Radiated emission (§15.109)

8.2.1 Test plan

Test setup	EUT A + AE 1 + AE 2 + AE 3 + AE 4 + AE 5 + AE 6
Operating mode	op.1 / op.2
Limit	§15.109 Class B
Verdict	passed*

* see measurement results in section 8.2.5

Comment:	---
----------	-----

8.2.2 Frequency range of radiated measurements (§15.33)

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

8.2.3 Radiated emission limits (§15.109)

Description & Limits

§ 15.109 Radiated emission limits.

- (a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency [MHz]	Field Strength [$\mu\text{V/m}$] / [dB $\mu\text{V/m}$]	Measurement distance [m]
30 – 88	100 / 40.0	3
88 – 216	150 / 43.5	3
216 – 960	200 / 46.0	3
960 – 40 000	500 / 54.0	3

- (b) The field strength of radiated emissions from a Class A digital device, as determined at a distance of 10 meters, shall not exceed the following:

Frequency [MHz]	Field Strength [$\mu\text{V/m}$] / [dB $\mu\text{V/m}$]	Measurement distance [m]
30 – 88	90 / 39.1	3
88 – 216	150 / 43.5	3
216 – 960	210 / 46.4	3
960 – 40 000	300 / 49.5	3

Note

Measurements with the peak detector are also suitable to demonstrate compliance of an EUT, as long as the required resolution bandwidth is used, because peak detection will yield amplitudes equal to or greater than amplitudes measured with RMS detector. The measurement data from a spectrum analyser peak detector will represent the worst-case results (see ANSI C63.10).

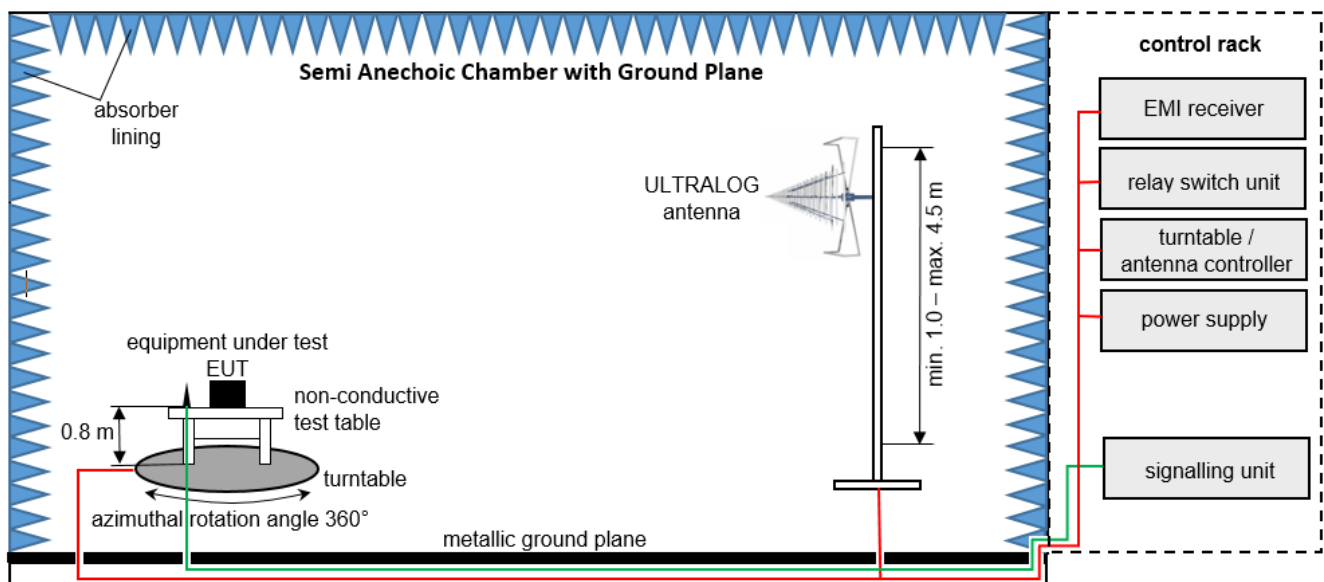
Typical test distances

Up to 18 GHz: 3.00 m
18 – 40 GHz: 0.50 m

8.2.4 Test Setup Description

8.2.4.1 Semi Anechoic Chamber with Ground Plane

Radiated measurements are performed in vertical and horizontal plane in the frequency range 30 MHz to 1 GHz in a Semi Anechoic Chamber with a metallic ground plane. The EUT is positioned on a non-conductive test table with a height of 0.80 m above the metallic ground plane that covers the whole chamber. The receiving antennas conform to specification ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices. These antennas can be moved over the height range between 1.0 m and 4.5 m in order to search for maximum field strength emitted from the EUT. The measurement distances between EUT and receiving antennas are indicated in the test setups for the various frequency ranges. For each measurement, the EUT is rotated in all three axes until the maximum field strength is received. The wanted and unwanted emissions are received by a spectrum analyzer where the detector modes and resolution bandwidths over various frequency ranges are set according to requirement ANSI C63.



Measurement distance: ULTRALOG antenna 3 meter

Elektra software version: 5.00.2

$$FS = UR + CL + AF$$

(FS-field strength; UR-voltage at the receiver; CL-loss of the cable; AF-antenna factor)

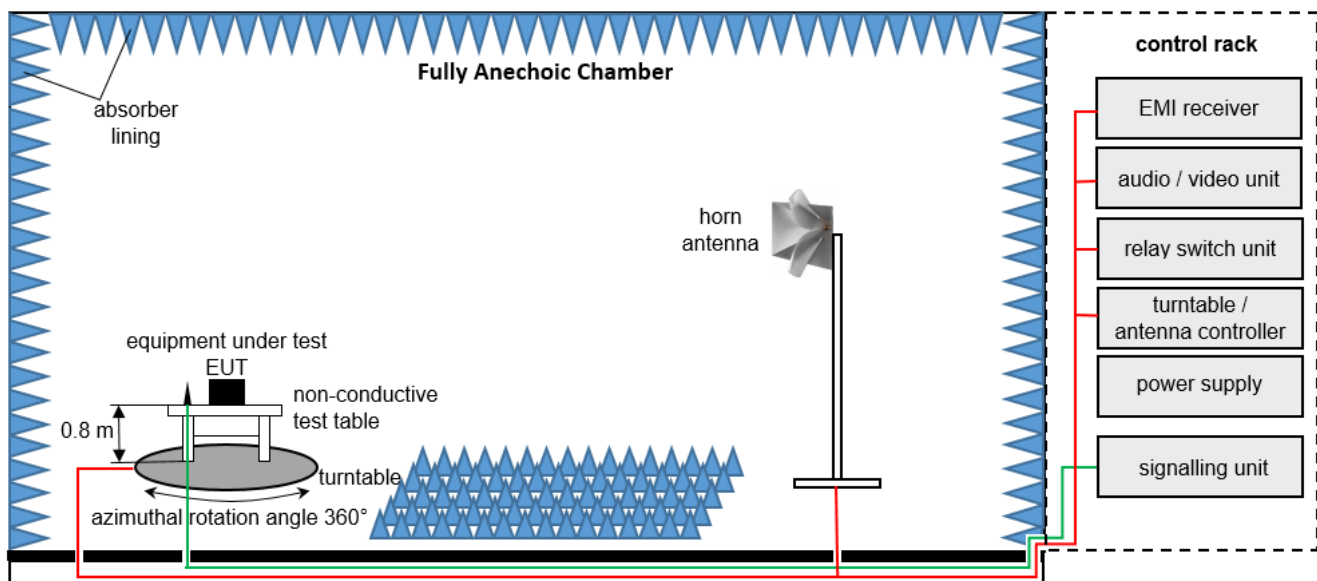
Example calculation:

$$FS [dB\mu V/m] = 12.35 [dB\mu V/m] + 1.90 [dB] + 16.80 [dB/m] = 31.05 [dB\mu V/m] (35.69 \mu V/m)$$

List of test equipment used:

#	Equipment	Type	Serial number	Internal number	Calibrated until	Used for test
1	EMI Test Receiver	Rohde & Schwarz ESW 26	101517	LAB000363	2024-02-16	☒
2	Open Switch and Control Platform	Rohde & Schwarz OSP-B200S2	102190	LAB000697	n/a	☒
3	Antenna	Rohde & Schwarz HL562E	102005	LAB000150	2025-12-22	☒

8.2.4.2 Fully Anechoic Chamber



Measurement distance: horn antenna 3 meter

Elektra software version: 5.00.2

$$FS = UR + CA + AF$$

(FS-field strength; UR-voltage at the receiver; CA-loss of the signal path; AF-antenna factor)

Example calculation:

$$FS \text{ [dB}\mu\text{V/m]} = 40.0 \text{ [dB}\mu\text{V/m]} + (-35.8) \text{ [dB]} + 32.9 \text{ [dB/m]} = 37.1 \text{ [dB}\mu\text{V/m]} (71.61 \mu\text{V/m})$$

List of test equipment used:

#	Equipment	Type	Serial number	Internal number	Calibrated until	Used for test
1	EMI Test Receiver	Rohde & Schwarz ESW 26	101481	LAB000363	2024-02-16	☒
2	Open Switch and Control Platform	Rohde & Schwarz OSP-B200S2	101443	LAB000239	n/a	☒
3	Antenna	Rohde & Schwarz HF907	102899	LAB000820	2025-12-06	☒
4	Pre-Amplifier	Schwarzbeck BBV 9718 C	84	LAB000169	2025-05-31	☒

8.2.5 Test Setup Description

8.2.5.1 Radiated spurious emissions from 30 MHz to 1 GHz

Test setup

- The EUT is set up according to its intended use, as described in the user manual or as defined by the manufacturer.
- In case of floor standing equipment, it is placed in the middle of the turn table.
In case of tabletop equipment it is placed on a non-conductive table with a height of 80 cm.
- Additional equipment, cables, ... necessary for testing, are positioned like under normal operation.
- Interface cables, e.g. power supply, network, ... are connected to the connection box in the turn table.
- EUT is powered on and set into operation.

Pre-scan

- Turntable performs an azimuthal rotation from 0° to 315° in 45° steps.
- Antenna polarisation is changed (H-V / V-H) and antenna height is changed from 1 meter to 4 meters.
- For each turntable step / antenna polarisation / antenna height the EMI-receiver/spectrum analyser performs a positive-peak/max-hold sweep (=worst-case). Data is transferred to EMI-software and recorded. EMI-software will show the maximum level of all single sweeps as the final result for the pre-scan.

Final measurement

- Significant emissions found during the pre-scan will be maximized by the EMI-software based on evaluated data during the pre-scan by rotating the turntable and changing antenna height and polarisation.
- Final measurement will be performed with measuring equipment settings as defined in the applicable test standards (e.g. ANSI C63.4).
- Plot of the pre-scan with frequencies of identified emissions including levels, correction factors, turn table position, antenna polarisation and settings of measuring equipment is recorded.

Detailed requirements can be found in e.g. ANSI C63.4

8.2.5.2 Radiated spurious emissions from 1 GHz to 18 GHz

Test setup

- The EUT is set up according to its intended use, as described in the user manual or as defined by the manufacturer.
- In case of floor standing equipment, it is placed in the middle of the turn table.
In case of tabletop equipment it is placed on a non-conductive table with a height of 80 cm.
- Additional equipment, cables, ... necessary for testing, are positioned like under normal operation.
- Interface cables, e.g. power supply, network, ... are connected to the connection box in the turn table.
- EUT is powered on and set into operation.

Pre-scan

- Turntable performs an azimuthal rotation from 0° to 315° in 45° steps.
- Antenna polarisation is changed (H-V / V-H) and antenna height is changed from 1 meter to 4 meters.
- For each turntable step / antenna polarisation / antenna height the EMI-receiver/spectrum analyser performs a positive-peak/max-hold sweep (=worst-case). Data is transferred to EMI-software and recorded. EMI-software will show the maximum level of all single sweeps as the final result for the pre-scan.

Final measurement

- Significant emissions found during the pre-scan will be maximized by the EMI-software based on evaluated data during the pre-scan by rotating the turntable and changing antenna height and polarisation.
- Final measurement will be performed with measuring equipment settings as defined in the applicable test standards (e.g. ANSI C63.4).
- Plot of the pre-scan with frequencies of identified emissions including levels, correction factors, turn table position, antenna polarisation and settings of measuring equipment is recorded.

Detailed requirements can be found in e.g. ANSI C63.4

8.2.5.3 Radiated spurious emissions above 18 GHz

Test setup

- The EUT is set up according to its intended use, as described in the user manual or as defined by the manufacturer.
- Additional equipment, cables, ... necessary for testing, are positioned like under normal operation.
- EUT is powered on and set into operation.
- Test distance depends on EUT size and test antenna size (farfield conditions shall be met).

Pre-scan

- The test antenna is handheld and moved carefully over the EUT to cover the EUT's whole sphere and for different polarizations of the antenna.

Final measurement

- Significant emissions found during the pre-scan will be maximized, i.e. position and antenna orientation causing the highest emissions with Peak and RMS detector
- Final measurement will be performed with measuring equipment settings as defined in the applicable test standards (e.g. ANSI C63.4).
- Final plot showing measurement data, levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit is recorded.

Note

- In case of measurements with external harmonic mixers (e.g. above 50 GHz) special care is taken to avoid possible overloading of the external mixer's input.
- As external harmonic mixers may generate false images, care is taken to ensure that any emission measured by the spectrum analyzer is indeed radiated from the EUT and not internally generated by the external harmonic mixer. Signal identification feature of spectrum analyzer is used to eliminate/reduce images of the external harmonic mixer.

Detailed requirements can be found in e.g. ANSI C63.4

8.2.6 Measurement results

Refer to *Annex A*

9 MEASUREMENT UNCERTAINTY

#	Test	Measurement uncertainty	
1	Conducted emissions CISPR 16-4-2	2.21 dB	
2	Radiated emissions CISPR 16-4-2	30 ... 1000 MHz 1 ... 18 GHz	3.68dB 3.64 dB
3	Harmonics / Flicker EN / IEC 61000-4-15	Current AC 350uA-320mA / 50Hz-5kHz Current AC 350mA-2.2A / 50Hz-5kHz Current AC 2.5A-10A / 50Hz-1kHz Current AC 2A-80A / 50Hz-1kHz Resistor DC Inductance Short-term flicker severity Maximum steady state voltage Maximum absolute voltage change Maximum time duration during observation Voltage AC 1V-1000V / 16Hz-10kHz	0.24 % 0.40 % 0.27 % 0.20 % 0.23 % 0.23 % 0.24 % 0.24 % 0.24 % 0.24 % 0.20 %
4	Radio frequency electromagnetic field EN / IEC 61000-4-3	1.98 dB	
5	Electrical fast transients / Burst EN / IEC 61000-4-4	Peak Voltage Rise time Duration Frequency oscilloscope	6.05 % 186 ps 1602 ps 0.014 %
6	Surges EN / IEC 61000-4-5	Peak current Front & Rise time Duration Frequency oscilloscope Peak voltage Front & Rise time Duration	3.67 % 76000 ps 76000 ps 0.014 % 4.87 % 4600 ps 4600 ps
7	Conducted disturbances EN / IEC 61000-4-6	3.47 dB	
8	Voltage dips and interruptions EN / IEC 61000-4-11	Voltage AC 1mV-1000V Current AC Inrush Current Rise / Fall time Duration	4.95 % 3.82 % 3.71 % 18.4 ns 46000 ps

END OF TEST REPORT



Deutsche
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D-PL-21375-01-00

Annex A

Measurement results of EUT A

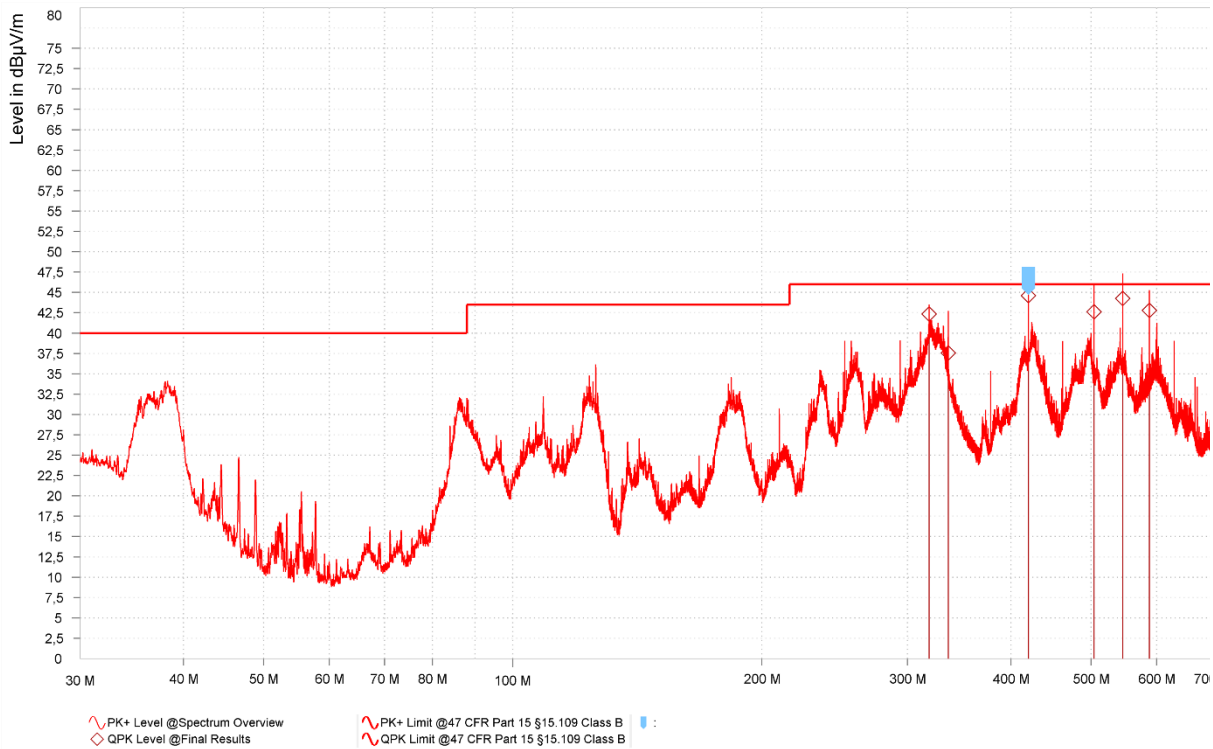
part of / in addition to

Test report no.: 23089050-34220-0

Date of issue: 2023-10-24

1.1 Electromagnetic radiated emission (30 ... 1000 MHz)

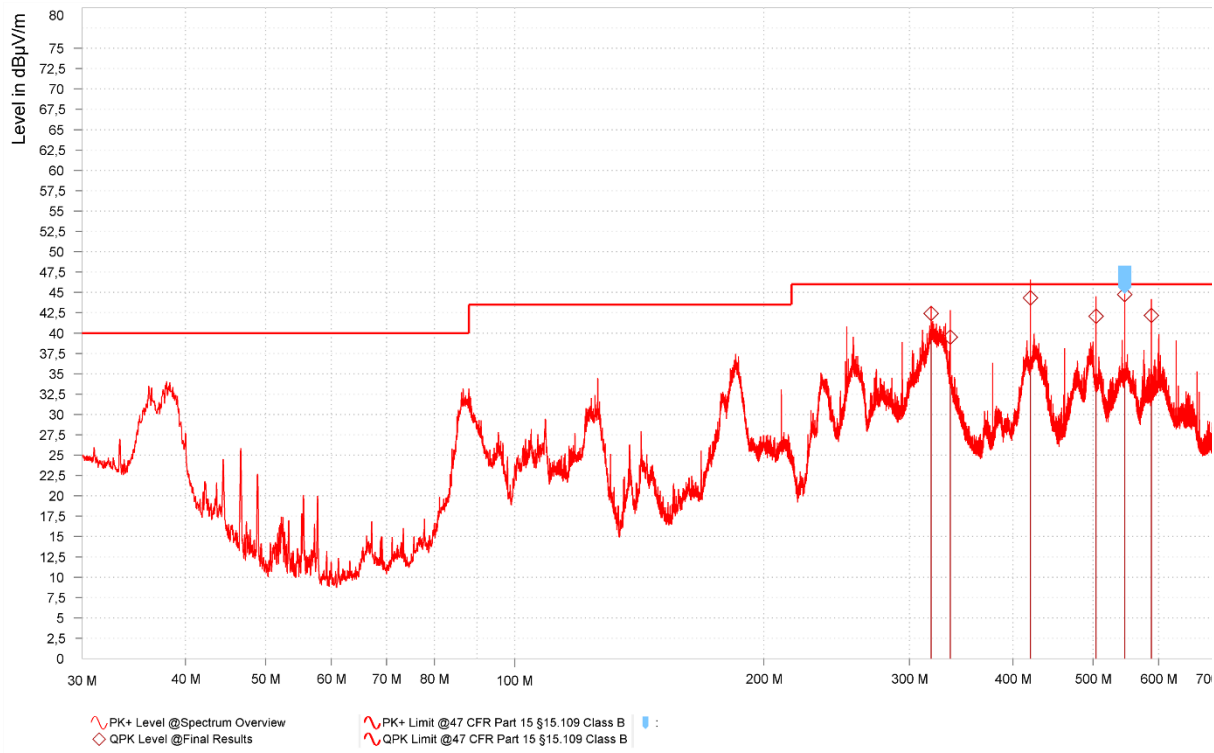
EUT A (Operations Mode 1)



EMI Final Results

Rg	Frequency [MHz]	QPK Level [dBµV/m]	QPK Limit [dBµV/m]	QPK Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
1	318,540	42,34	46,00	3,66	14,03	H	9,1	1,00	120,000	15,000
1	336,000	37,56	46,00	8,44	14,37	H	145	1,15	120,000	15,000
1	420,000	44,61	46,00	1,39	16,55	H	140,7	1,13	120,000	15,000
1	504,000	42,61	46,00	3,39	18,37	V	138,5	1,00	120,000	15,000
1	546,000	44,27	46,00	1,73	18,76	V	124,1	1,00	120,000	15,000
1	588,000	42,79	46,00	3,21	19,65	V	83,3	1,00	120,000	15,000

EUT A (Operations Mode 2)

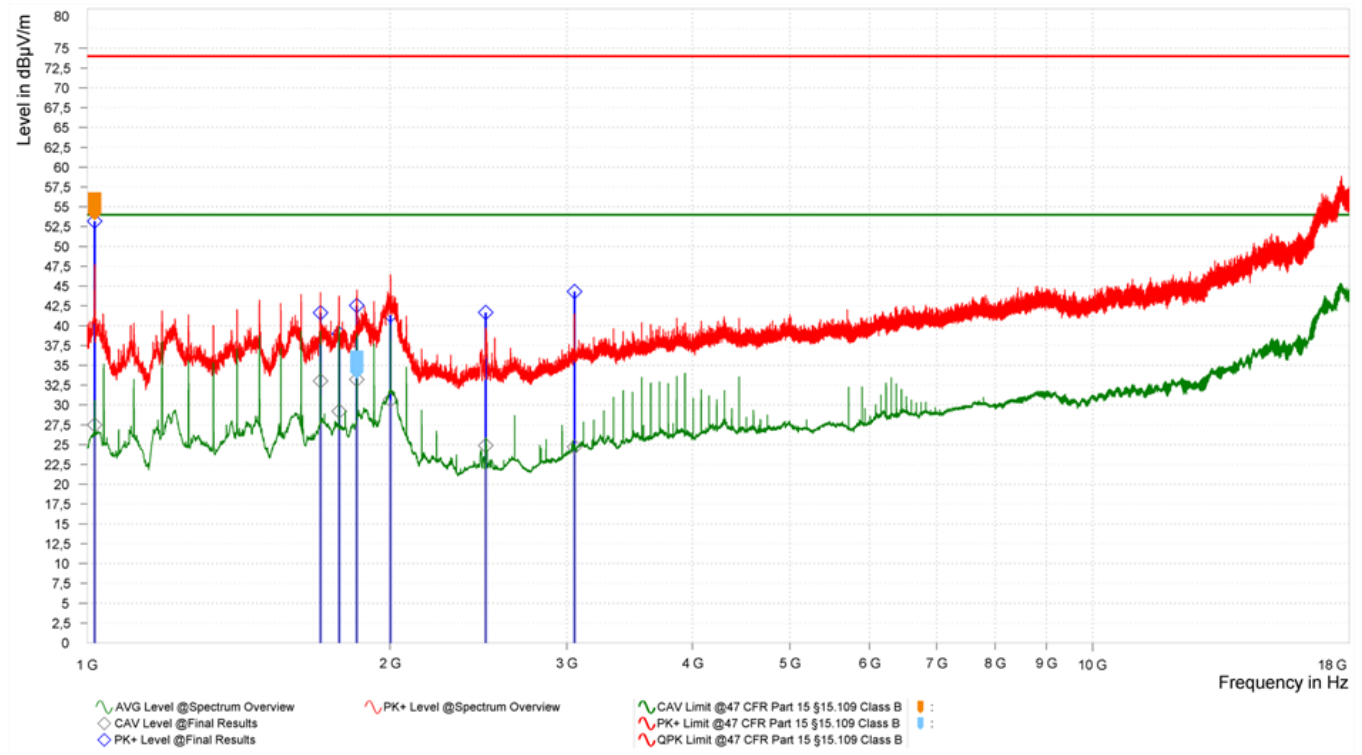


EMI Final Results

Rg	Frequency [MHz]	QPK Level [dBµV/m]	QPK Limit [dBµV/m]	QPK Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]	Meas. Time [s]
1	318,540	42,42	46,00	3,58	14,03	H	11,3	1,03	120,000	15,000
1	336,000	39,49	46,00	6,51	14,37	H	13,9	1,09	120,000	15,000
1	420,000	44,34	46,00	1,66	16,55	H	135,9	1,00	120,000	15,000
1	504,000	42,05	46,00	3,95	18,37	V	136,7	1,14	120,000	15,000
1	546,000	44,74	46,00	1,26	18,76	H	242,7	1,00	120,000	15,000
1	588,000	42,18	46,00	3,82	19,65	V	74,5	1,00	120,000	15,000

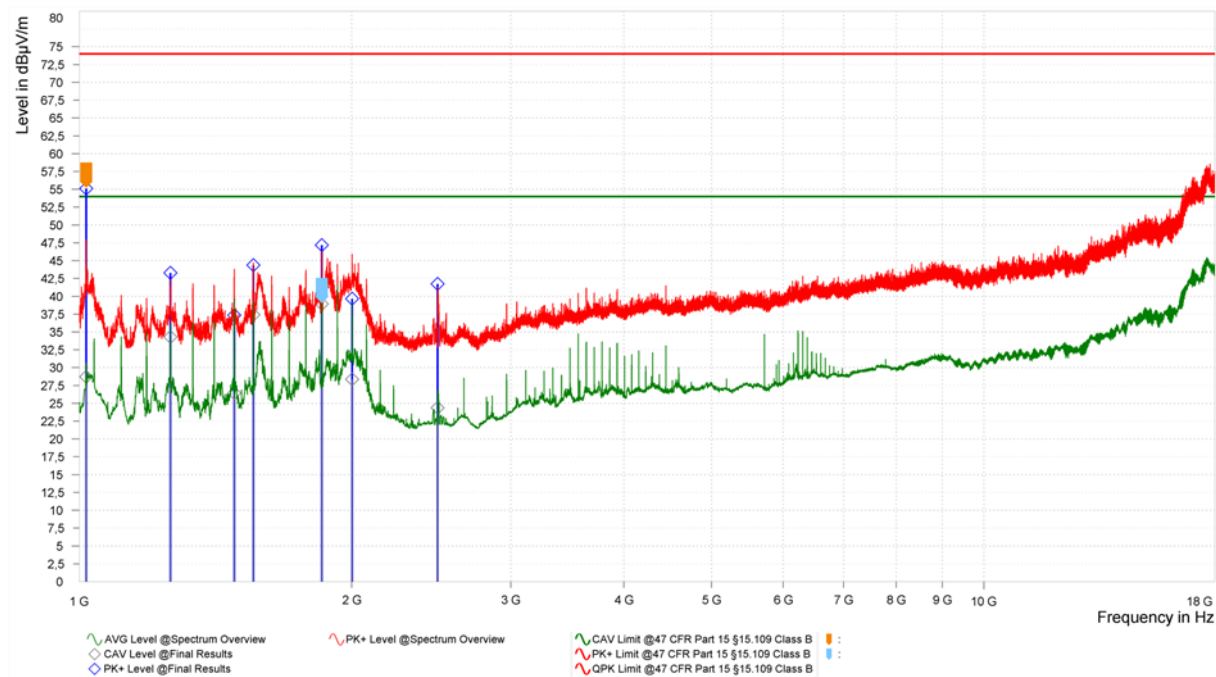
1.2 Electromagnetic radiated emission (1 ... 18 GHz)

EUT A (Operations Mode 1)



Rg	Frequency [MHz]	PK+ Level [dBµV/m]	PK+ Limit [dBµV/m]	PK+ Margin [dB]	CAV Level [dBµV/m]	CAV Limit [dBµV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]
1	1.017,500	53,19	74,00	20,81	27,50	54,00	26,50	-8,52	H	14,6	1,00	1.000,000
1	1.706,500	41,62	74,00	32,38	33,03	54,00	20,97	-4,12	V	231,9	1,00	1.000,000
1	1.780,750	38,96	74,00	35,04	29,21	54,00	24,79	-3,38	V	231	1,00	1.000,000
1	1.854,750	42,55	74,00	31,45	33,21	54,00	20,79	-2,75	V	-14,4	1,00	1.000,000
1	2.003,500	41,34	74,00	32,66	30,63	54,00	23,37	-1,23	V	43,60664	1,00	1.000,000
1	2.491,750	41,65	74,00	32,35	24,89	54,00	29,11	0,08	V	174,3	1,00	1.000,000
1	3.053,000	44,29	74,00	29,71	24,70	54,00	29,30	3,09	H	55,8	1,00	1.000,000

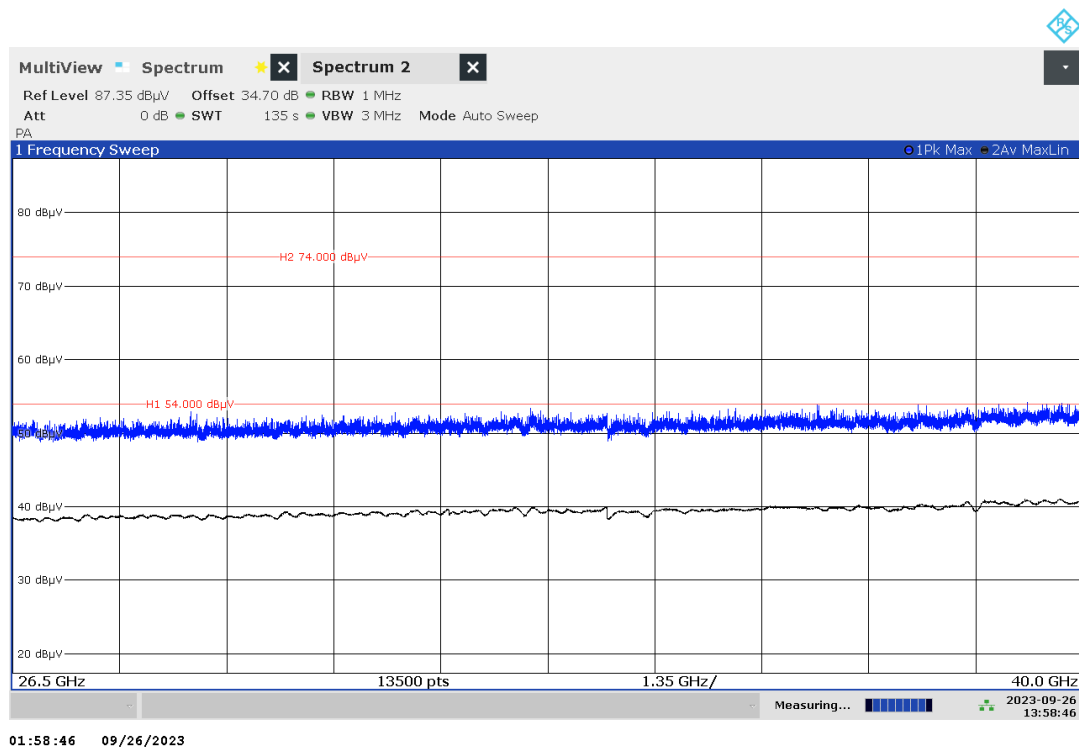
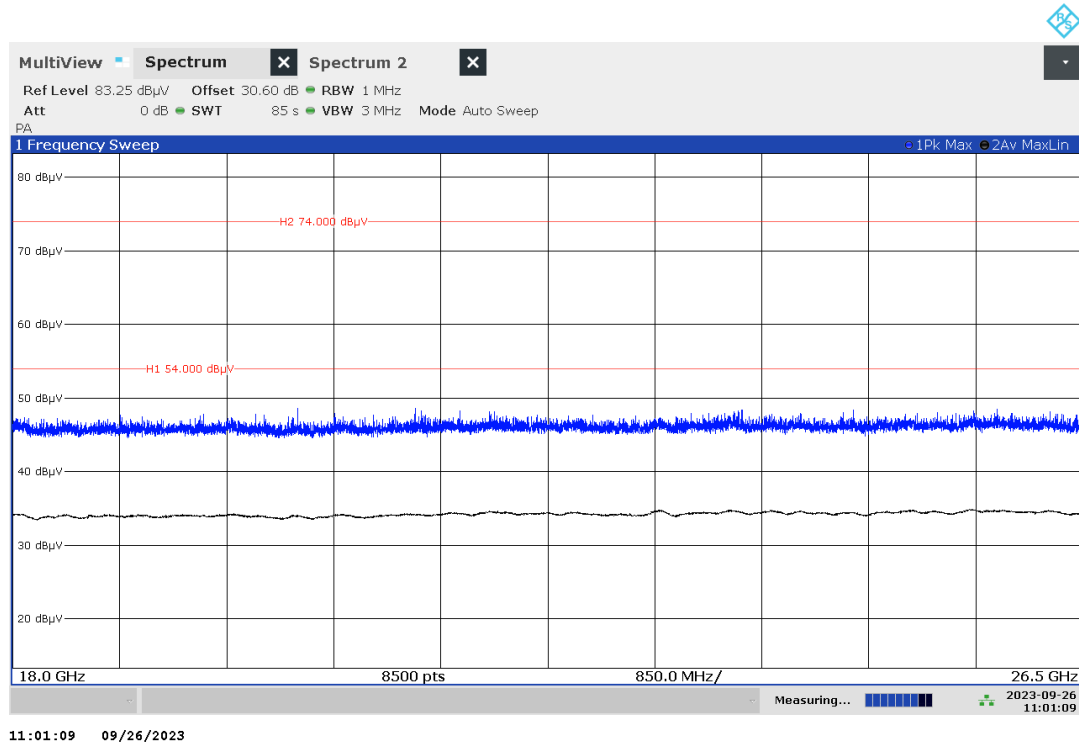
EUT A (Operations Mode 2)



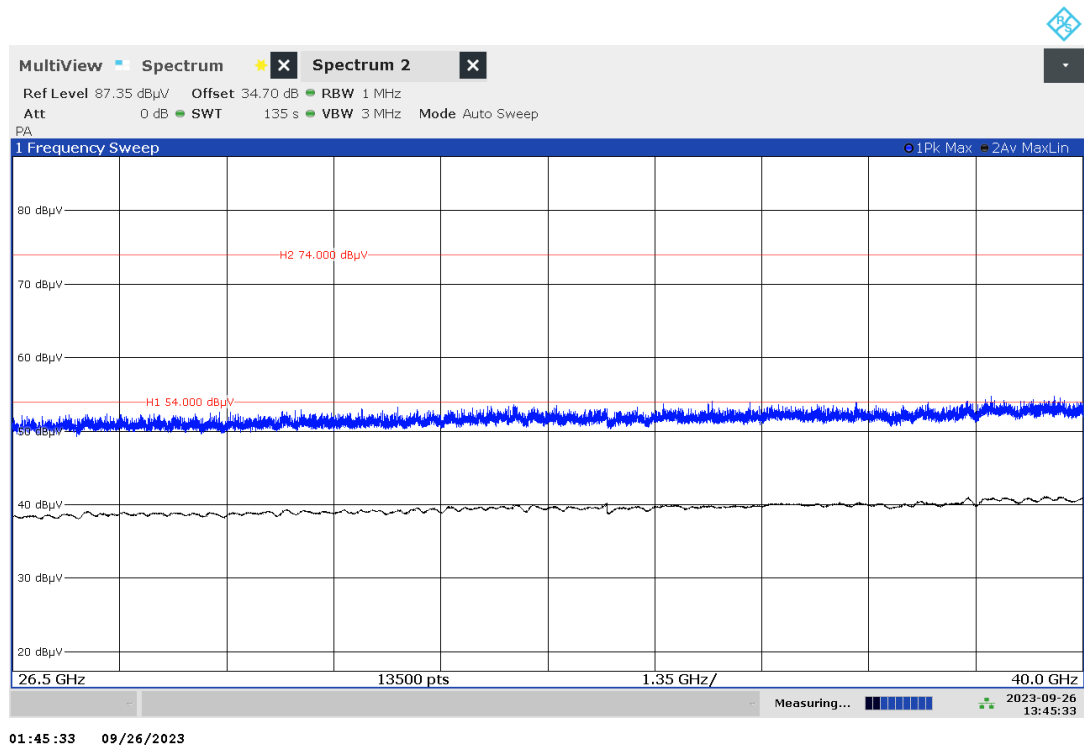
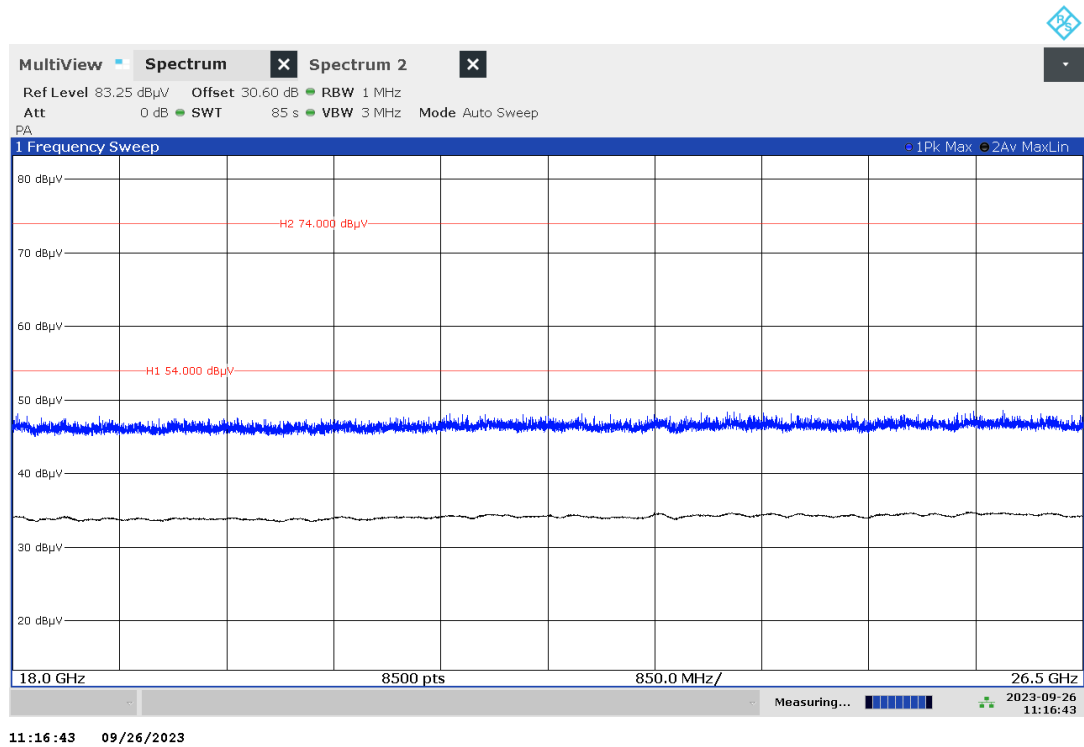
Rg	Frequency [MHz]	PK+ Level [dBμV/m]	PK+ Limit [dBμV/m]	PK+ Margin [dB]	CAV Level [dBμV/m]	CAV Limit [dBμV/m]	CAV Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]	Meas. BW [kHz]
1	1.017,750	55,12	74,00	18,88	28,70	54,00	25,30	-8,52	H	19,1	1,00	1.000,000
1	1.261,500	43,29	74,00	30,71	34,28	54,00	19,72	-7,11	V	23,10821	1,00	1.000,000
1	1.484,000	37,36	74,00	36,64	26,42	54,00	27,58	-5,16	H	345	1,00	1.000,000
1	1.558,250	44,37	74,00	29,63	37,41	54,00	16,59	-4,47	V	141,3	1,00	1.000,000
1	1.854,750	47,19	74,00	26,81	38,93	54,00	15,07	-2,75	V	-14,5	1,00	1.000,000
1	2.003,500	39,67	74,00	34,33	28,38	54,00	25,62	-1,23	V	110,9	1,00	1.000,000
1	2.490,500	41,74	74,00	32,26	24,36	54,00	29,64	0,07	V	183	1,00	1.000,000

1.3 Electromagnetic radiated emission (18 ... 40 GHz)

EUT A (Operations Mode 1)



EUT A (Operations Mode 2)



END OF ANNEX A

Annex B

External photographs of EUT

part of / in addition to

Test report no.: 23089050-34220-0

Date of issue: 2023-10-24

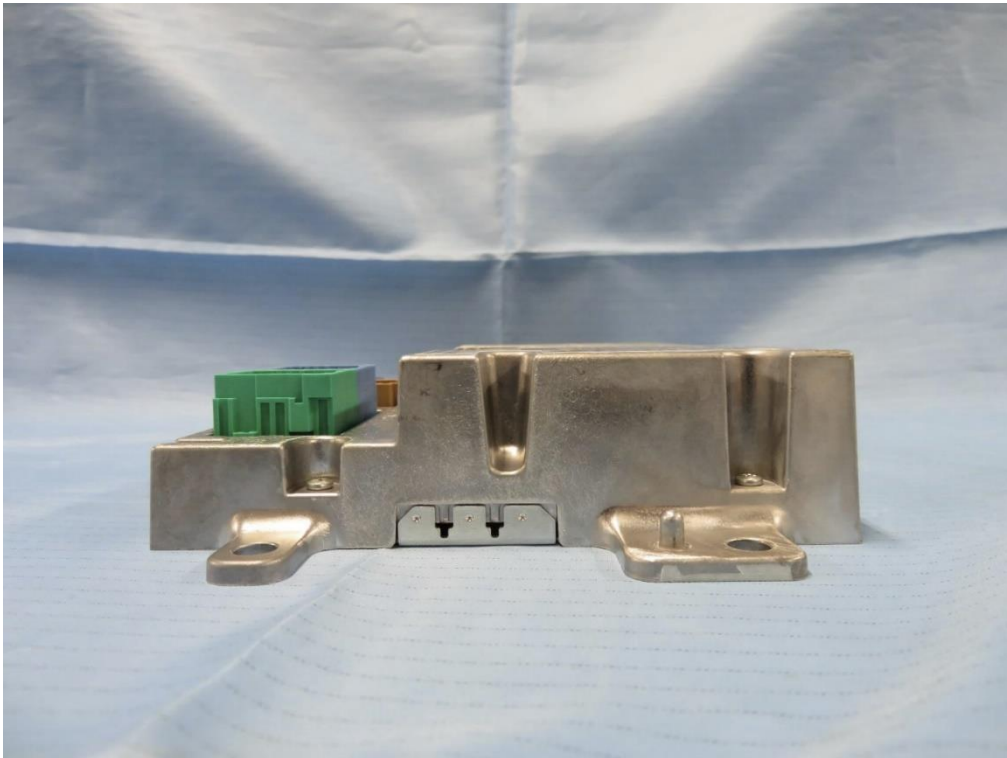
1. EUT external photographs



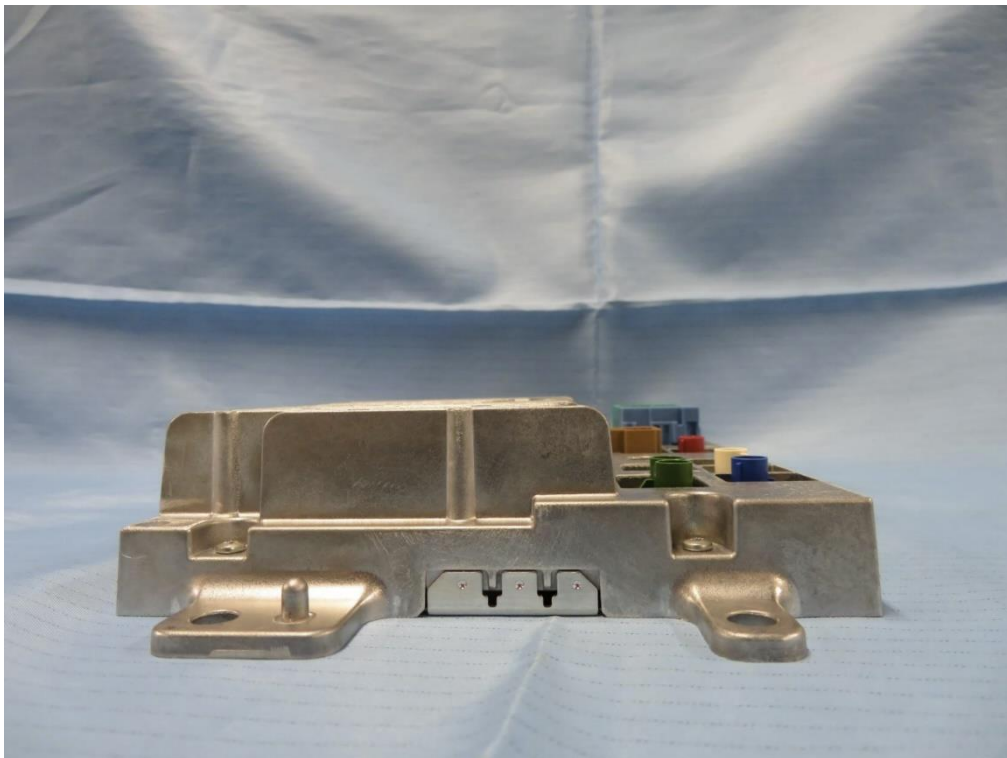
Photograph 1: EUT A



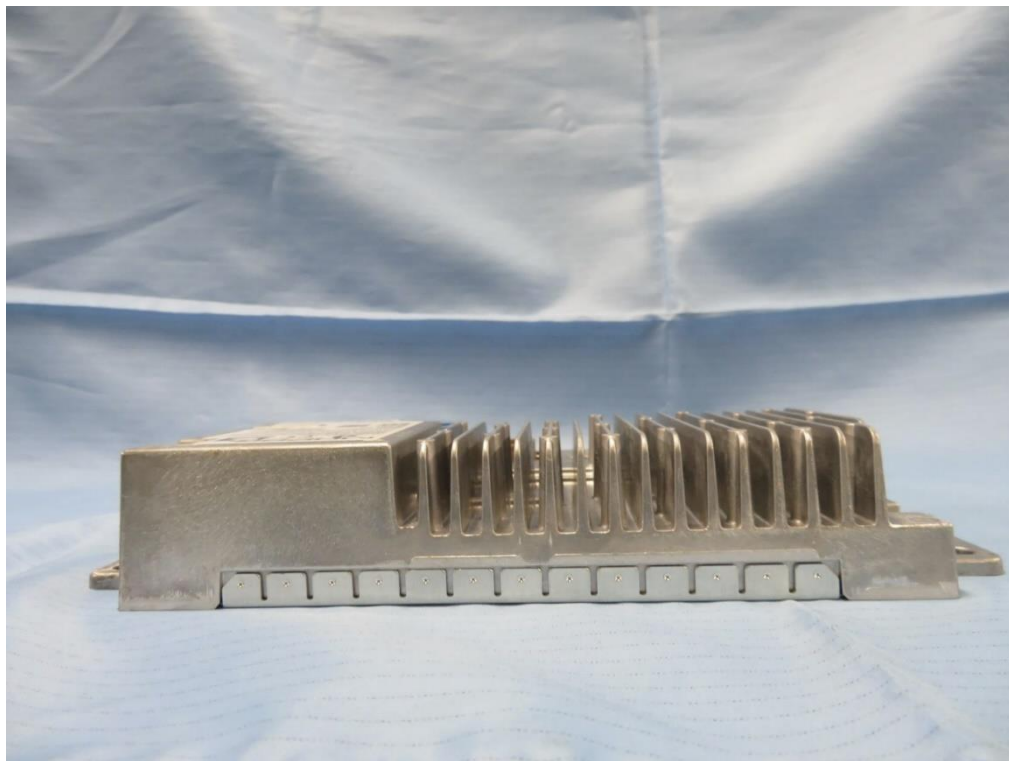
Photograph 2: EUT A



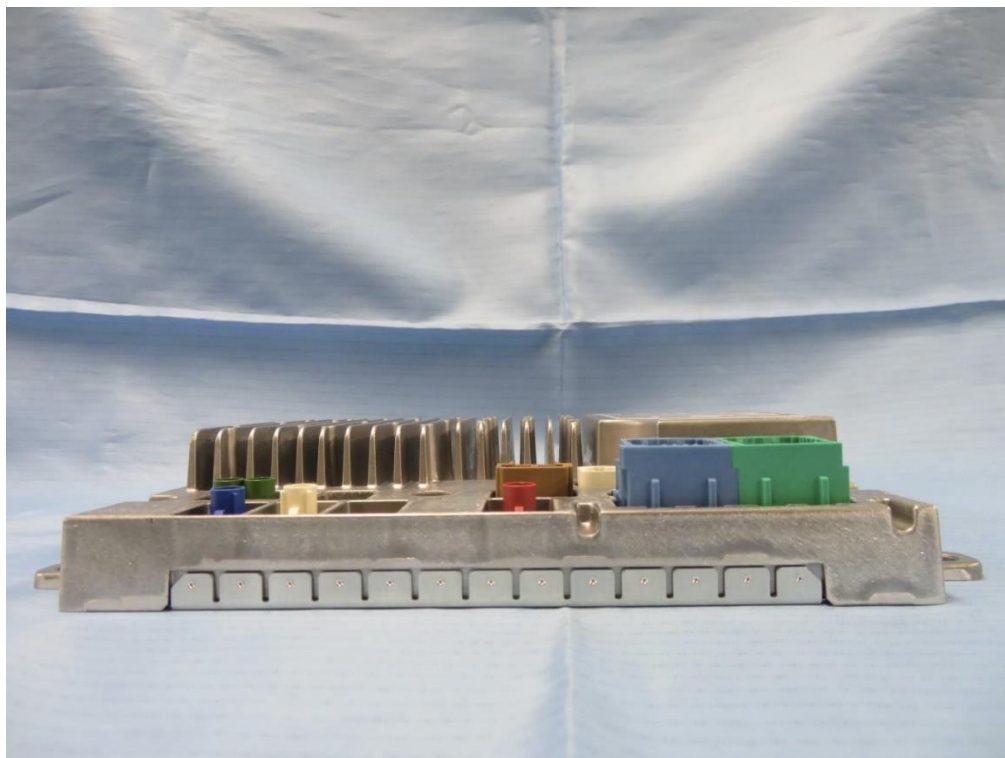
Photograph 3: EUT A



Photograph 4: EUT A



Photograph 5: EUT A



Photograph 6: EUT A

2. AE external photographs



Photograph 7: AE



Photograph 8: AE



Photograph 9: AE



Photograph 10: AE



Photograph 11: AE



Photograph 12: AE Display/ HDMI-Converter

END OF ANNEX B

Annex C

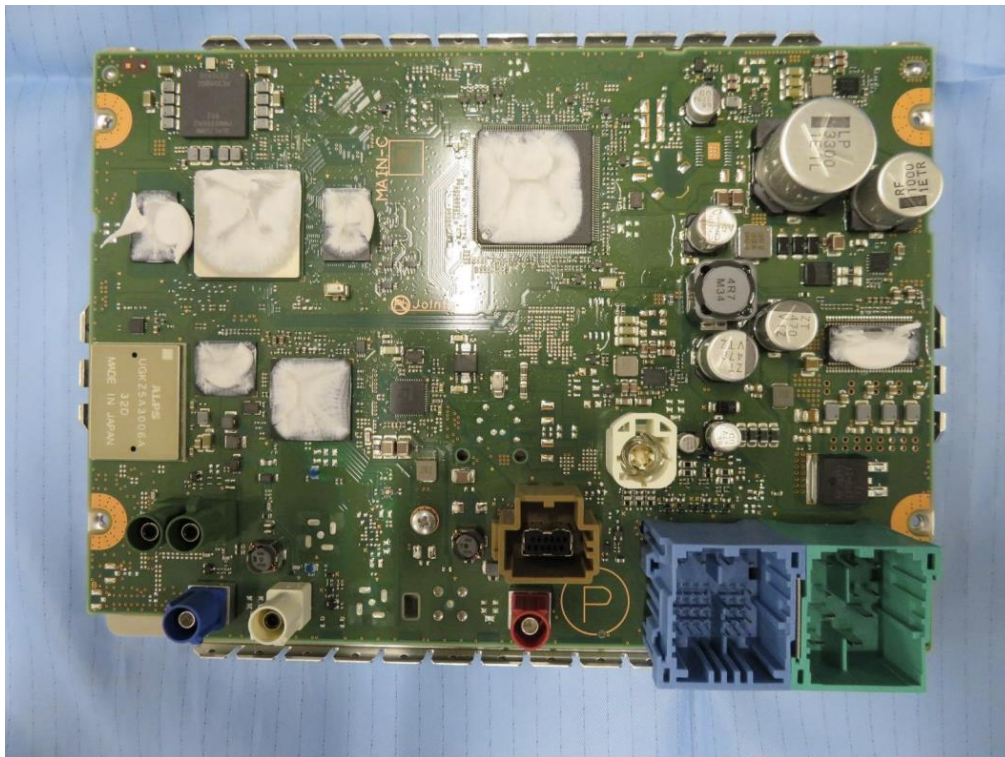
Internal photographs of EUT

part of / in addition to

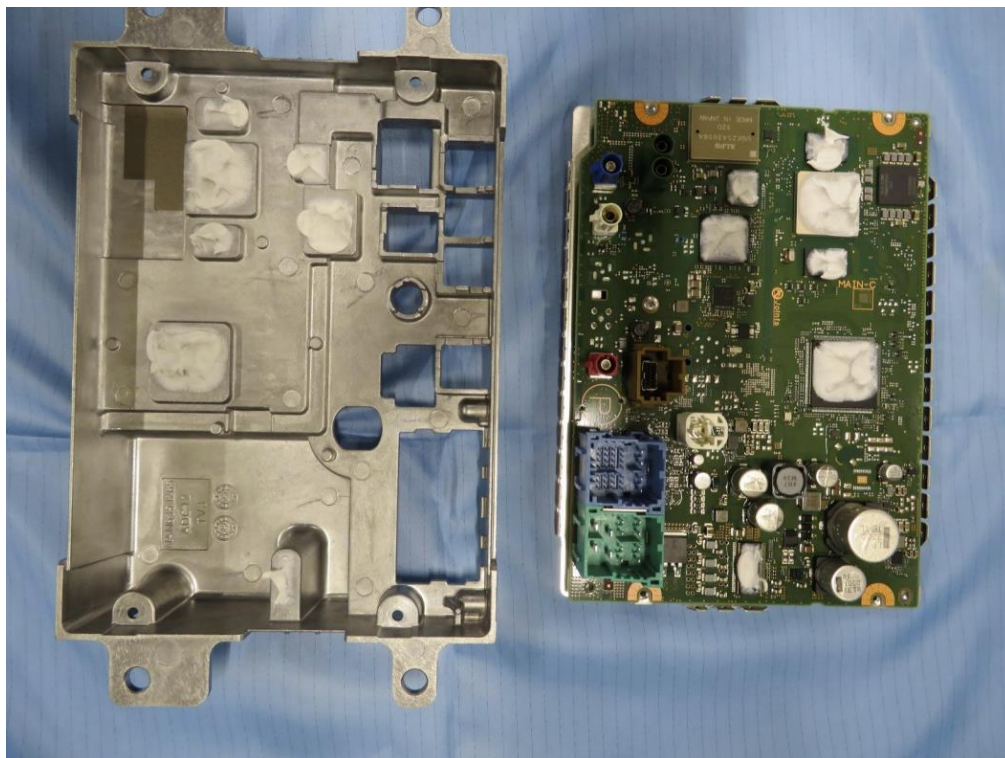
Test report no.: 23089050-34220-0

Date of issue: 2023-10-24

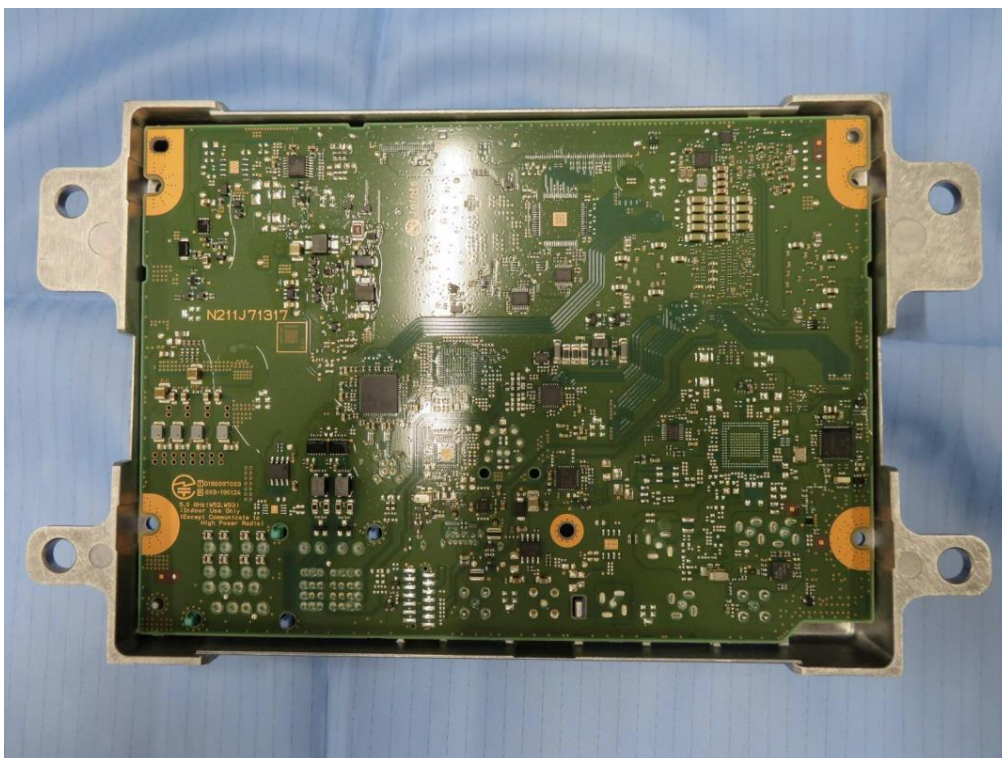
1. Internal photographs of EUT



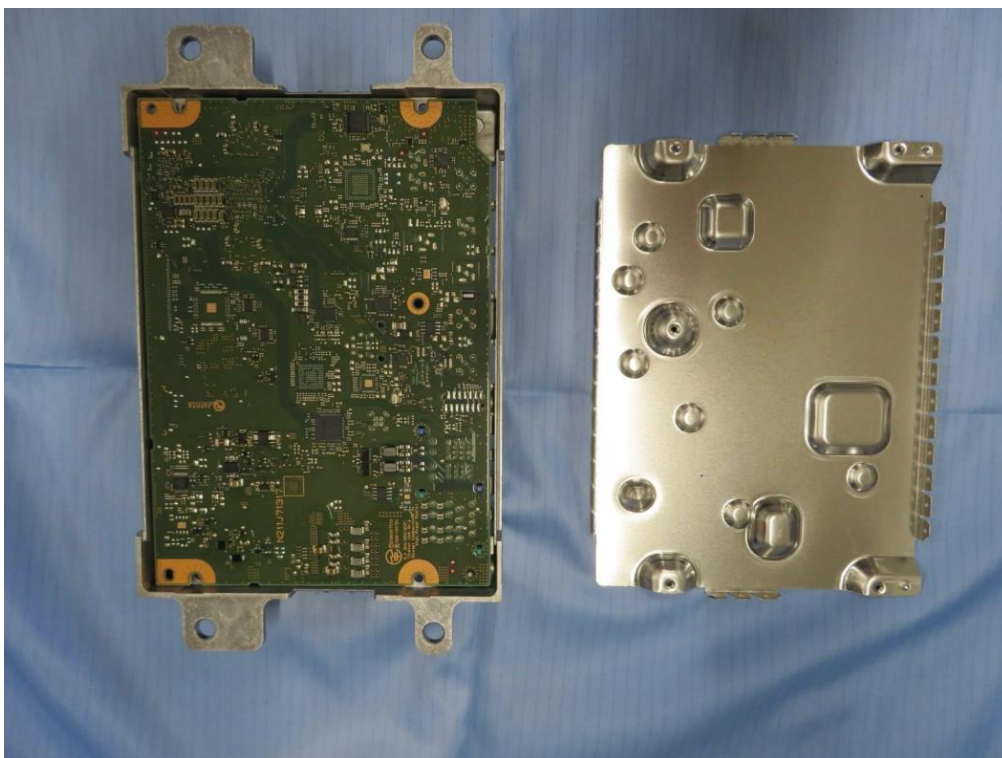
Photograph 13: EUT A



Photograph 14: EUT A



Photograph 15: EUT A



Photograph 16: EUT A

END OF ANNEX C

Annex D

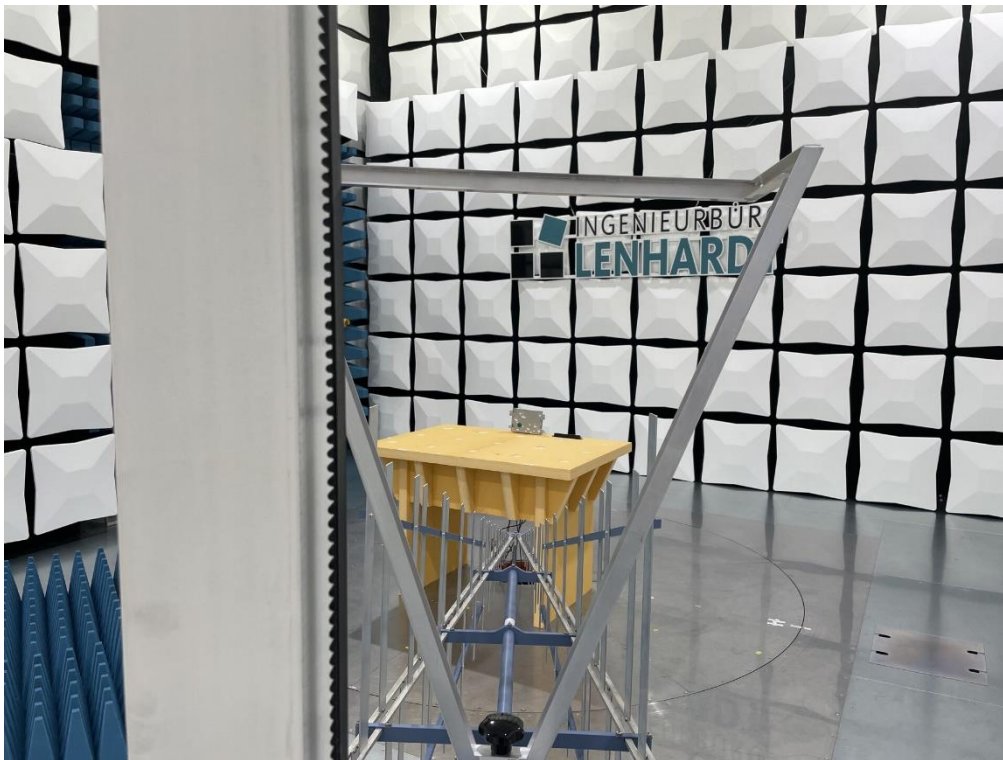
Test setup photographs

part of / in addition to

Test report no.: 23089050-34220-0

Date of issue: 2023-10-24

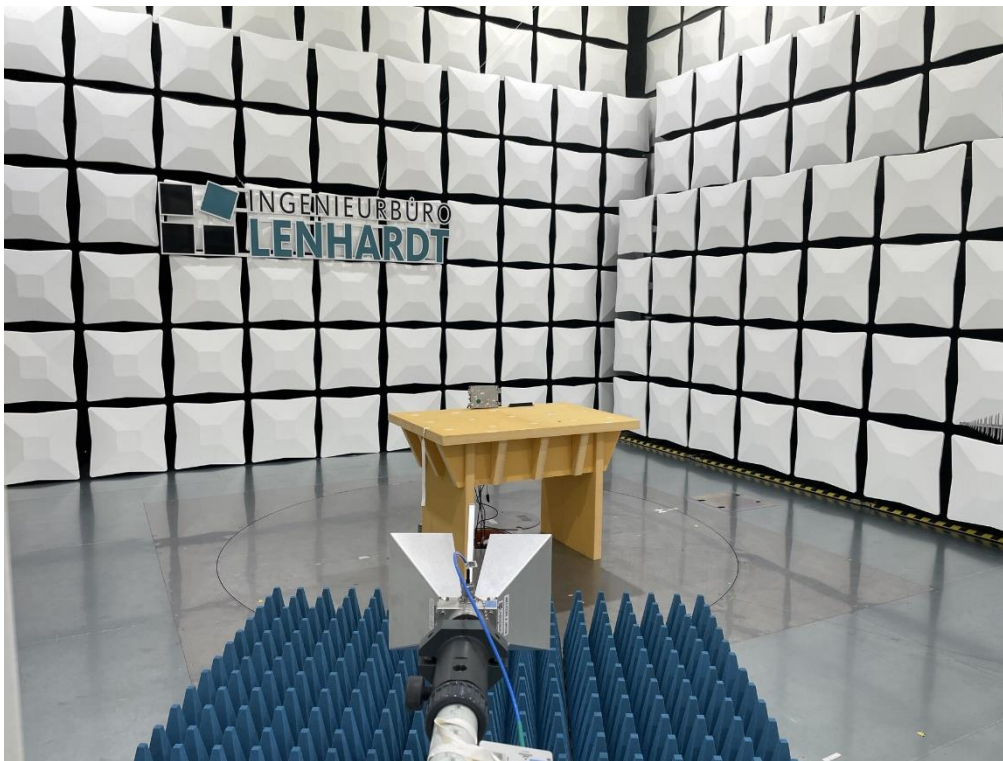
1. Test setup photographs



Photograph 17: Radiated emission 30...1000 MHz



Photograph 18: Radiated emission 30...1000 MHz



Photograph 19: Radiated emission 1...18 GHz



Photograph 20: Radiated emission 1...18 GHz



Photograph 21: Radiated emission 18...40 GHz



Photograph 22: Radiated emission 18...40 GHz

END OF ANNEX D
