Deutsche Akkreditierungsstelle D-PL-21375-01-00

LENHARDT
WORLDWIDE | TESTING | CERTIFICATION

Bundesnetzagentur
BNetzA-CAB-21/21-21

Test Report

Test report no.: 24060240-41132-0
Date of issue: 2025-12-12

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

Applicant
Intellion AG

Manufacturer
Intellion AG

Test Item
LPR LF

RF-Spectrum Testing according to:

FCC 47 CFR Part 15
Radio Frequency Devices (Subpart C)

Tested by (name, function, signature)	*Piotr Sardyko* *Deputy Head of Laboratory RF*	signature
Approved by (name, function, signature)	*Janoschka Sebastian* *Head of Department Radio*	Sebastian Janoschka (Dec 12, 2025 15:07:53 GMT+1) signature

Applicant and Test item details	
Applicant	Intellion AG Schuppisstrasse 10, 9016 St. Gallen, Switzerland
Manufacturer	Intellion AG Schuppisstrasse 10, 9016 St. Gallen, Switzerland
Test item description	LotTrack LPR LF
Model/Type reference	LPR LF
FCC ID	2ANAA-LTLPRLF
Frequency	125 kHz
Technology	RFID
Antenna	External LF antenna
Power supply (function)	Vnom: 5; Vmax: 5.5; Vmin: 4.5
Temperature range	+10 °C - +40 °C

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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The last valid version is available at TAMSys®.
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.

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

Decision rule:
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 St. Ingbert / Germany Fon: +49 6894 38938-0 Fax: +49 6894 38938-99 URL: https://ib-lenhardt.com/ E-Mail: info@ib-lenhardt.com
Accreditation / Designation	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	2025-12-02
Start – End of tests	2025-12-08 – 2025-12-09

2.2 Possible test case verdicts

Test sample meets the requirements	P (PASS)
Test sample does not meet the requirements	F (FAIL)
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 clause 7.8.7 are within this test report.

2.5 Revision history

-0 Initial Version

2.6 Further documents

List of further applicable documents belonging to the present test report:

EUT photographs:	24060240-41132-0_Annex A
Test setup photographs:	24060240-41132-0_Annex B

3 ENVIRONMENTAL & TEST CONDITIONS

3.1 Environmental conditions of lab

Temperature	20°C ± 5°C
Relative humidity	25-75% r.H.
Barometric Pressure	860-1060 mbar

3.2 Normal and extreme test conditions

	minimum	normal	maximum
Temperature	-	20 °C	-
Relative humidity	-	45 % r.h.	-
Power supply	-	5 V DC	-

4 TEST STANDARDS AND REFERENCES

Test standard (accredited)	**Description**
FCC 47 CFR Part 15	Radio Frequency Devices (Subpart C)

Reference	**Description**
ANSI C63.10-2020	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

5 EQUIPMENT UNDER TEST (EUT)

5.1 Product description

The LotTrack LPR LF is mounted to a load port of an equipment. When a cassette with an ID card is placed on a load port, the LPR LF detects the passive RFID of the ID Card attached to the cassette and sends the ID to the LotTrack System.

*: as declared by applicant

5.2 Technical data of test item

Operational frequency*	125 kHz
Number of channels*	1
Channel bandwidth*	-/-
Channel spacing*	-/-
Antenna*	External LF antenna
Power supply*	Vnom: 5; Vmax: 5.5; Vmin: 4.5
Temperature range*	+10 °C - +40 °C

*: as declared by applicant

5.3 Test Item (Equipment Under Test) Description*

Short designation	EUT Model	EUT Description	ID	Hardware status	Software status
EUT A	LPR LF	LotTrack LPR LF	1.02.00.00966	N/A	N/A

*: as declared by applicant

5.4 AE (Auxiliary equipment) Description*

Short designation	EUT Model	EUT Description	Serial number/ ID	Hardware status	Software/Firmware status
AE 1	-	Cable harness (see photos in Annex A)	-	-	-
AE 2	MMCX	External LF antenna	-	-	-
AE 3	-	Aluminium cabinet	-	-	-
AE 4	HAMA – 1000E	Power supply for EUT A	F5201592	-	-
AE 5	-	External LF antenna (terminated with 50 Ω)	-	-	-

*: declared by the applicant

5.5 Test Item Operating Modes Description*

EUT operating mode no.	Description of operating modes	Additional information
op. 1	Continuous Tx mode	-

*: declared by the applicant

5.6 Test Item Set-ups Description

set. 1	EUT A + AE 1 - 3
set. 2	EUT A + AE 1 + AE 4 + AE 5

5.7 Test Conditions

Temperatur, [°C]		Voltage, [V]	
Tnom	20 ± 5	Vnom	5 V

5.8 Additional Information

Test items differences	-
Additional application considerations to test a component or sub-assembly	-

6 SUMMARY OF TEST RESULTS

Test specification
FCC 47 CFR Part 15

Clause	Requirement / Test case	Test Conditions	Result / Remark	Verdict
§15.207	Conducted limits	Normal	< limit	P
§15.209	Radiated emission limits	Normal	< limit	P

Notes
-

Comments and observations
– none –

7 TEST RESULTS

7.1. Field strength of emissions (spurious and harmonics)

Test equipment (Please see Chapter 8 for exact information of test equipment)

Please see Chapter 8.

Description / Limits

§15.209 (a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency	Field Strength	Measurement distance
0.009 – 0.490 MHz	2400/F[kHz] µV/m	300 m
0.490 – 1.705 MHz	24000/F[kHz] µV/m	30 m
1.705 – 30.0 MHz	30.0 µV/m / 29.5 dBµV/m	30 m
30 – 88 MHz	100 µV/m / 40.0 dBµV/m	3 m
88 – 216 MHz	150 µV/m / 43.5 dBµV/m	3 m
216 – 960 MHz	200 µV/m / 46.0 dBµV/m	3 m
960 – 100 000 MHz	500 µV/m / 54.0 dBµV/m	3 m

§15.209 (b) In the emission table above, the tighter limit applies at the band edges.

§15.209 (c) The level of any unwanted emissions from an intentional radiator operating under these general provisions shall not exceed the level of the fundamental emission. For intentional radiators which operate under the provisions of other sections within this part and which are required to reduce their unwanted emissions to the limits specified in this table, the limits in this table are based on the frequency of the unwanted emission and not the fundamental frequency. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.

§15.209 (d) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Test procedure

§15.31 (m) Measurements on intentional radiators or receivers, other than TV broadcast receivers, shall be performed and, if required, reported for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table:

Frequency range	Number of frequencies	Location
< 1MHz bandwidth	1	middle
1 – 10 MHz bandwidth	2	1 near bottom and 1 near top
> 10 MHz bandwidth	3	1 near bottom / middle / top

§15.35 (a) On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a CISPR quasi-peak detector function and related measurement bandwidths, unless otherwise specified. The specifications for the measuring instrumentation using the CISPR quasi-peak detector can be found in ANSI C63.4-2014, clause 4 (incorporated by reference, see §15.38). As an alternative to CISPR quasi-peak measurements, the responsible party, at its option, may demonstrate compliance with the emission limits using measuring equipment employing a peak detector function as long at the same bandwidth as indicated for CISPR quasi-peak measurements are employed.

Used **RBW**:

RBW as a function of frequency

Frequency	RBW
9 kHz to 150 kHz	200 Hz to 300 Hz
0.15 MHz to 30 MHz	9 kHz to 10 kHz
30 MHz to 1000 MHz	100 kHz to 120 kHz
>1000 MHz	1 MHz

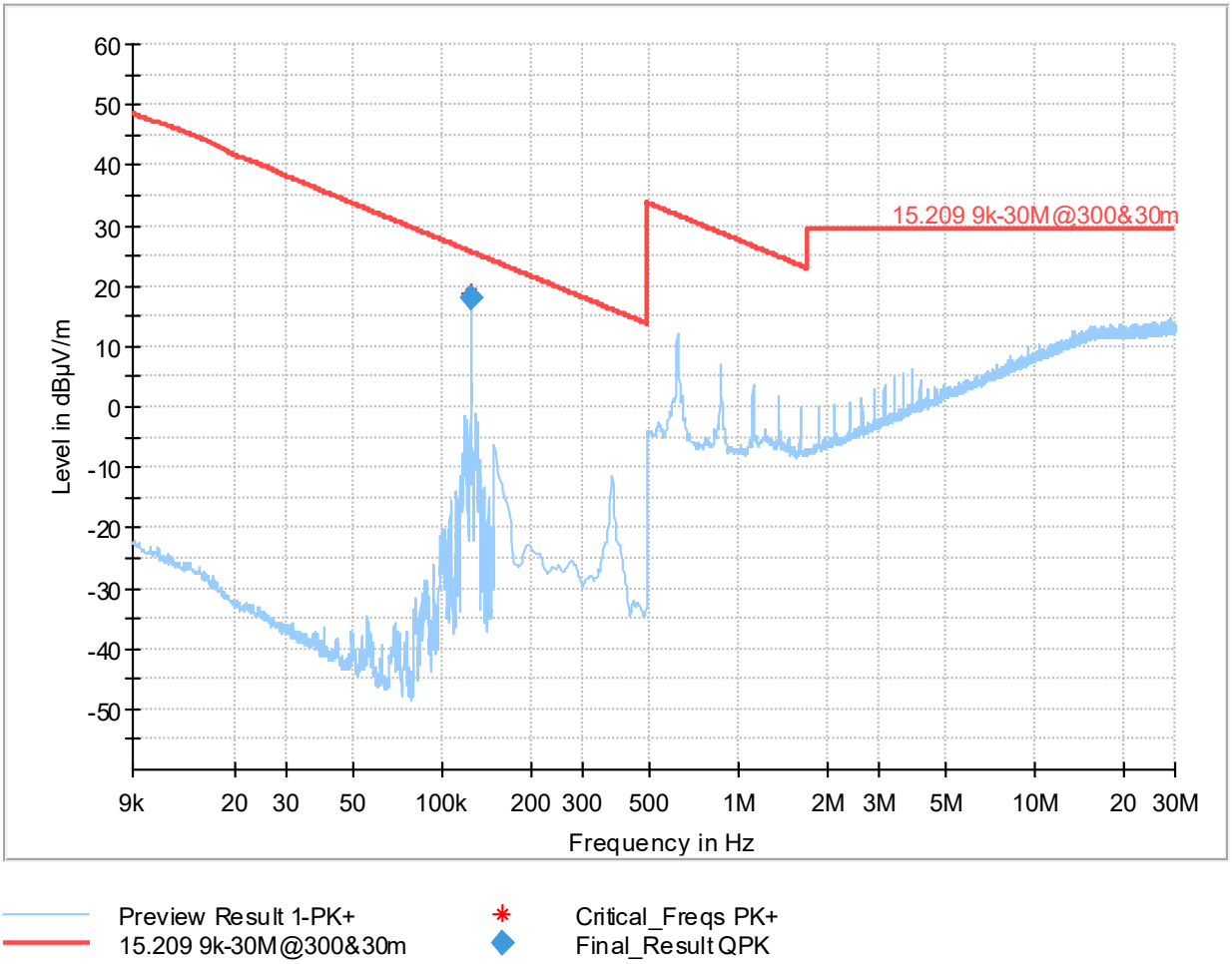
VBW = 3 x RBW

Test setup: please see Chapter 8.

Test results

Set-up/Op.	Frequency [MHz]	Detector	Level [dBµV/m]	Limit [dBµV/m]	Verdict
1/1	9 kHz – 30 MHz	QP	see next plots	see next plots	**pass**
1/1	30 MHz – 1 GHz	QP	see next plots	see next plots	**pass**

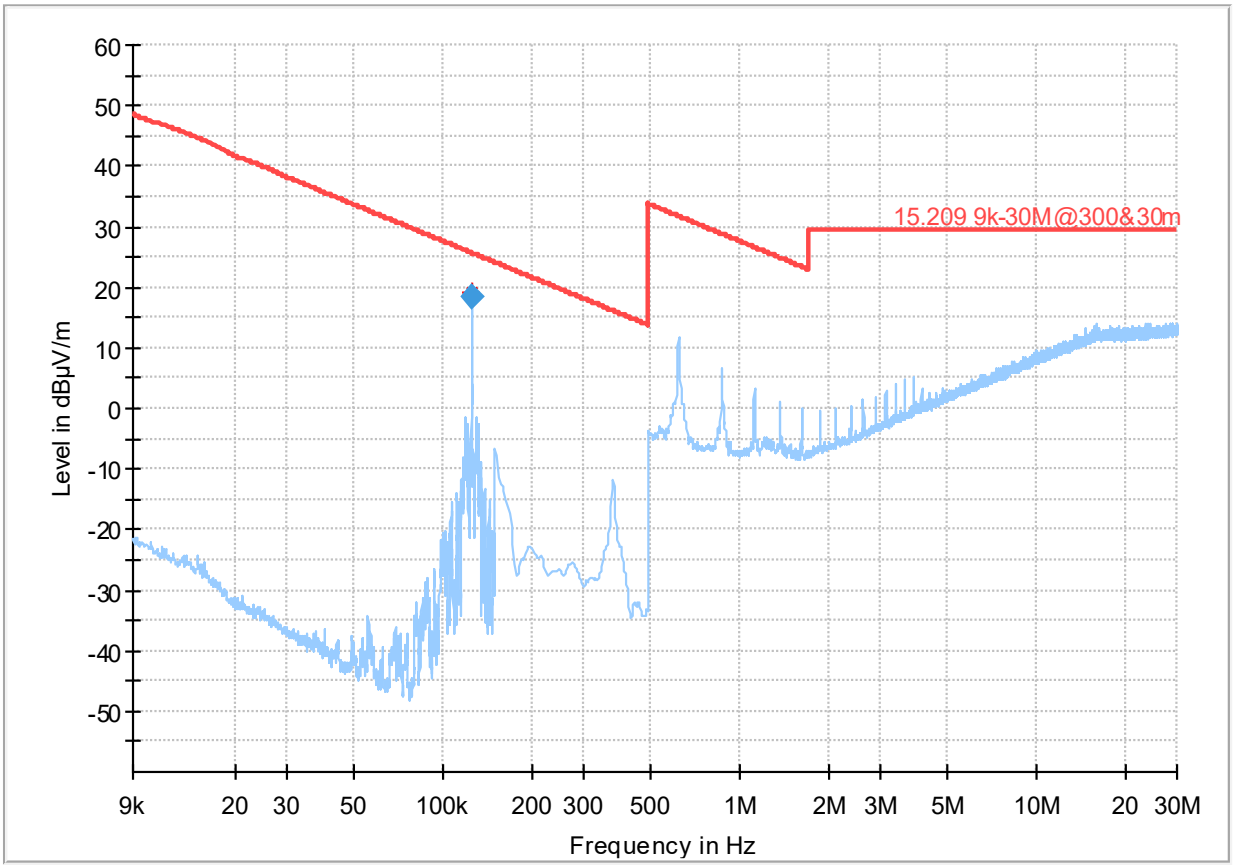
Plot no. 1: Radiated emissions 9 kHz – 30 MHz, EUT lying (see photos in annex B for EUT position)



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.125000	18.09	25.67	7.58	200.0	0.200	V	262.0	-59.5

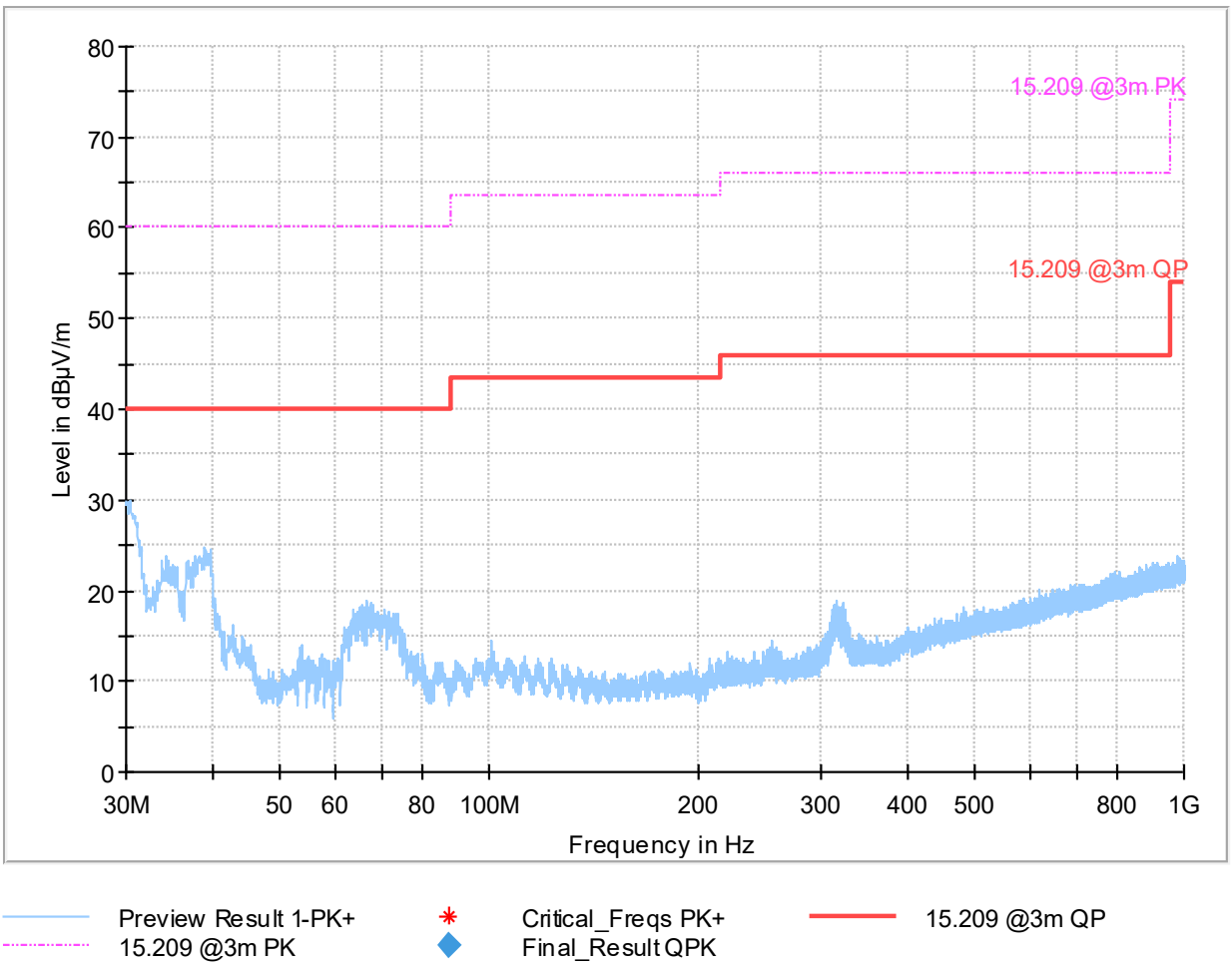
Plot no. 2: Radiated emissions 9 kHz – 30 MHz, EUT staying (see photos in annex B for EUT position)



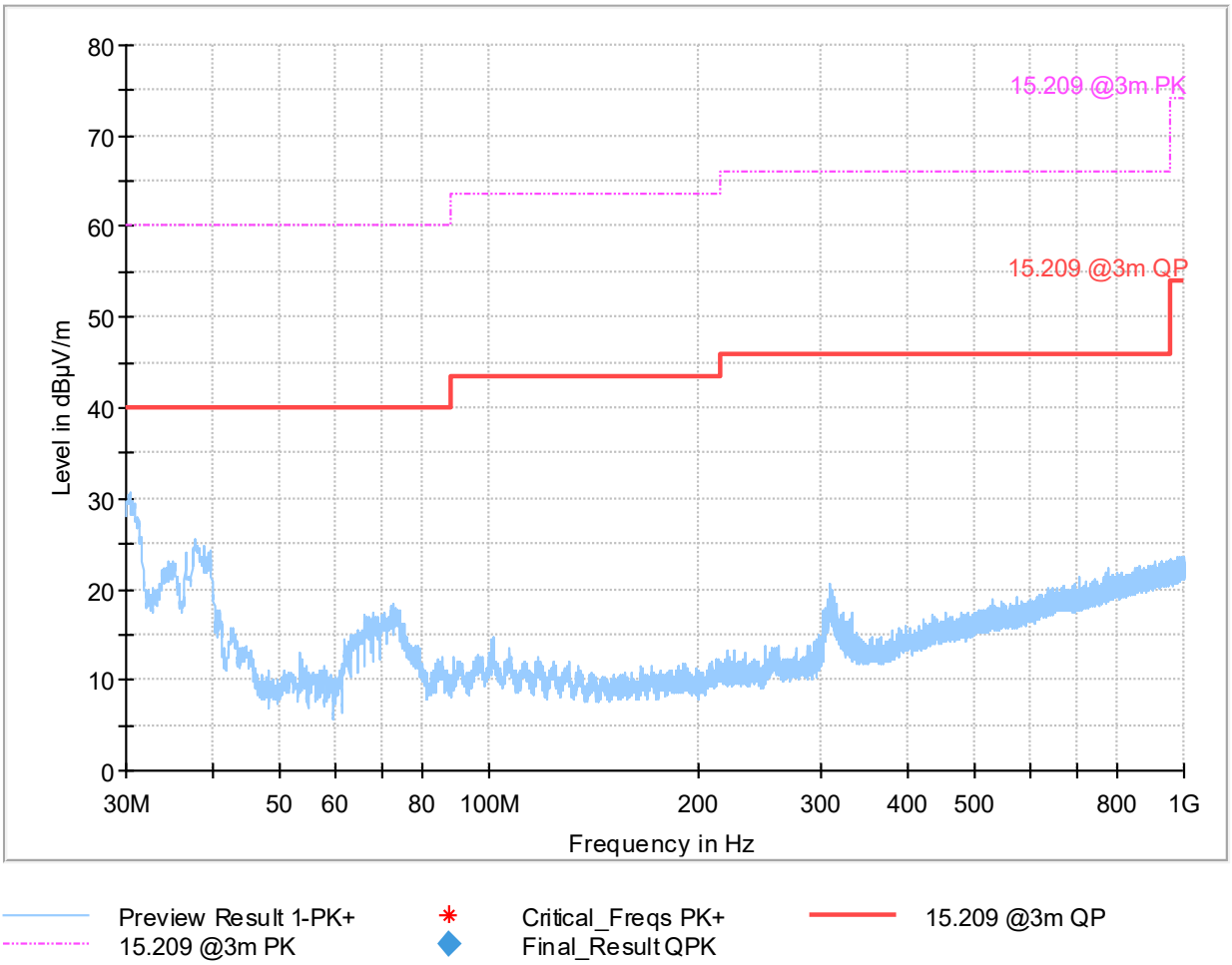
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.125000	18.24	25.67	7.43	200.0	0.200	V	97.0	-59.5

Plot no. 3: Radiated emissions 30 MHz – 1 GHz, hor./vert. polarization, EUT lying (see photos in annex B for EUT position)



Plot no. 4: Radiated emissions 30 MHz – 1 GHz, hor./vert. polarization, EUT staying (see photos in annex B for EUT position)



7.2. Conducted emissions

Test equipment (Please see Chapter 8 for exact information of test equipment)

Please see Chapter 8.

Description

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 hight 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

- 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.
- 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, and settings of measuring equipment is recorded.

Detailed requirements can be found in e.g. ANSI C63.4
Please see test set-up photos in Annex C Chapter 8.

Limits

Frequency of emission (MHz)	Conducted limit (dBµV)	
	Quasi-peak	Average
0.15–0.5	66 to 56*	56 to 46*
0.5–5	56	46
5–30	60	50

*Decreases with the logarithm of the frequency.

Please see FCC Title 47 § 15.207 for more details.

Test Results

Set-up / Op.	Line	Verdict
2 / 1	L1	**Pass**
2 / 1	N	**Pass**

All Readings were done with Quasi-Peak and Average detector.

Comment:	---

Verdict	**- PASS -**	For plots please see Annex A to current report

Plot No. 5: Conducted emissions, set-up 2, Op. 1, L1

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
1	0,375	47,13	58,39	11,26	39,99	48,39	8,40	10,03	L1	9,000	15,000
1	0,625	48,76	56,00	7,24	41,67	46,00	4,33	10,13	L1	9,000	15,000
1	0,875	40,18	56,00	15,82	33,05	46,00	12,95	10,03	L1	9,000	15,000
1	5,251	37,64	60,00	22,36	30,31	50,00	19,69	10,07	L1	9,000	15,000
1	5,501	38,26	60,00	21,74	30,97	50,00	19,03	10,08	L1	9,000	15,000
1	5,750	37,13	60,00	22,87	29,88	50,00	20,12	10,10	L1	9,000	15,000
1	23,501	27,14	60,00	32,86	12,56	50,00	37,44	10,63	L1	9,000	15,000

Plot No. 6: Conducted emissions, set-up 2, Op. 1, N

Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	CAV Level [dBµV]	CAV Limit [dBµV]	CAV Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
1	0,375	49,63	58,39	8,76	42,86	48,39	5,53	10,03	N	9,000	15,000
1	0,625	51,26	56,00	4,74	44,54	46,00	1,46	10,13	N	9,000	15,000
1	0,877	42,03	56,00	13,97	35,20	46,00	10,80	10,03	N	9,000	15,000
1	1,124	38,00	56,00	18,00	31,00	46,00	15,00	9,98	N	9,000	15,000
1	5,251	38,94	60,00	21,06	32,52	50,00	17,48	10,07	N	9,000	15,000
1	5,501	39,53	60,00	20,47	33,14	50,00	16,86	10,08	N	9,000	15,000
1	5,750	38,40	60,00	21,60	32,00	50,00	18,00	10,10	N	9,000	15,000
1	13,560	23,13	60,00	36,87	14,14	50,00	35,86	10,40	N	9,000	15,000
1	26,432	22,53	60,00	37,47	16,24	50,00	33,76	10,69	N	9,000	15,000

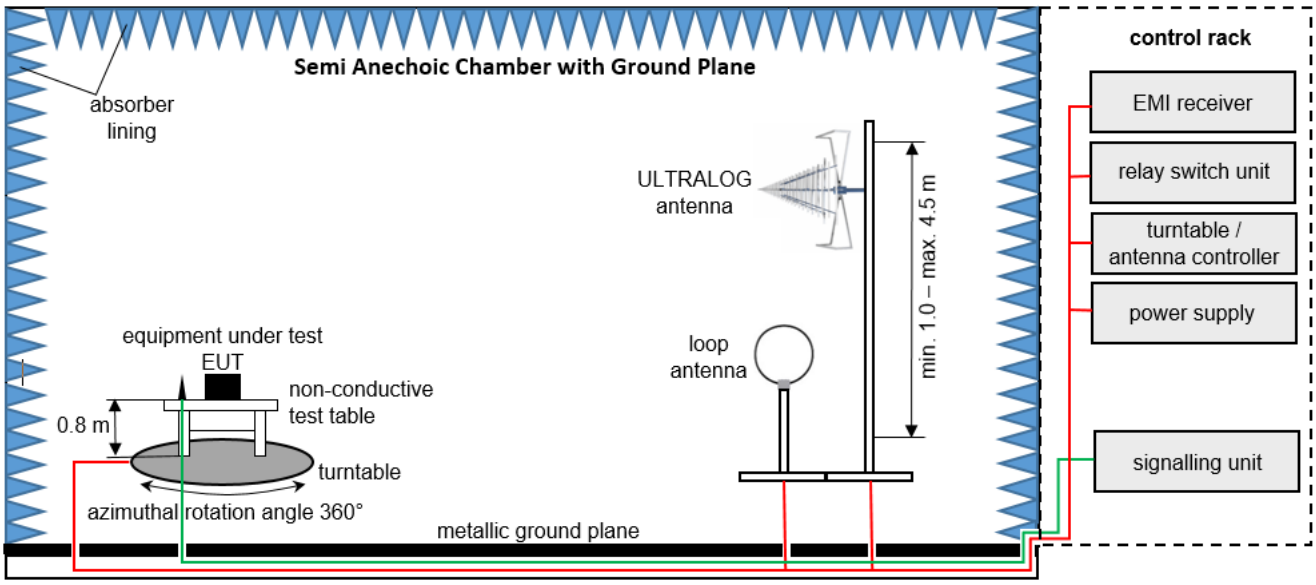
8. Test Setup Description

Typically, the calibrations of the test apparatus are commissioned to and performed by an accredited calibration laboratory. The calibration intervals are determined in accordance with the DIN EN ISO/IEC 17025. In addition to the external calibrations, the laboratory executes comparison measurements with other calibrated test systems or effective verifications. Cyclically chamber inspections and range calibrations are performed. Where possible resp. necessary, RF generating and signalling equipment as well as measuring receivers and analysers are connected to an external high-precision 10 MHz reference (GPS-based frequency standard).

In order to simplify the identification of the equipment used at some special tests, some items of test equipment and ancillaries can be provided with an identifier or number in the equipment list below (Lab/Item).

8.1. 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, 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: loop antenna 3 m, ULTRALOG antenna 3 m
EMC32 software version: 11.20.00

Description:

$$E = U_{Rx} + \alpha_{cable\ loss} + A$$

$$P = 10^{\frac{EIRP|_{dBm}}{10}}$$

- radiated output power → $E|_{\frac{dB\mu V}{m}}$
- voltage at the receiver → $U|_{\frac{dB\mu V}{m}}$
- antenna factor → $A|_{\frac{dB}{m}}$
- cable loss → $\alpha_{cable\ loss}|_{dB}$

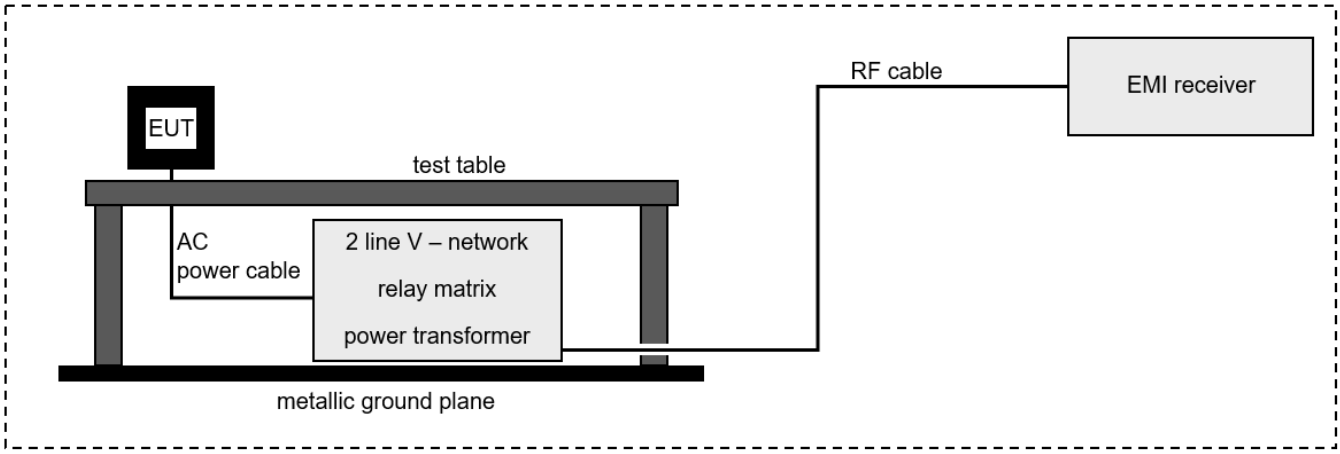
Example:

$$E = 12.35\ \frac{dB\mu V}{m} + 1.90\ dB + 16.80\ \frac{dB}{m} = 31.05\ \frac{dB\mu V}{m}$$

List of test equipment used:

No.	Equipment	Manufacturer	Type	Serial No.	IBL No.	Kind of Calibration	Last / Next Calibration
1	Power Supply	Elektro-Automatik GmbH & Co. KG	EA-PSI 9080-40 T	2000230001	LAB000313	NE	–
2	Test table	innco systems GmbH	PT1208-080-RH	-	LAB000306	NE	–
3	Positioner	maturo GmbH	TD 1.5-10KG		LAB000258	NE	–
4	Compressed Air	Implotex	1-850-30	-	LAB000256	NE	–
5	EMI Test Receiver	Rohde & Schwarz	ESW26	101481	LAB000236	K	2025-06-13 → 12M → 2026-06-13
6	Semi-Anechoic Chamber (SAC)	Albatross Projects GmbH	SAC 5 (Babylon 5)	20168.PRB	LAB000235	ZW	2025-03-18 → 36M → 2028-03-18
7	Measurement Software	Rohde & Schwarz	EMC32 V11.00.10		LAB000226	NE	–
8	Turntable	maturo GmbH	TT2.0-2t	TT2.0-2t/921	LAB000225	NE	–
9	Antenna Mast	maturo GmbH	CAM4.0-P	CAM4.0-P/316	LAB000224	NE	–
10	Antenna Mast	maturo GmbH	BAM4.5-P	BAM4.5-P/272	LAB000223	NE	–
11	Controller	maturo GmbH	FCU 3.0	10082	LAB000222	NE	–
12	Power Supply	Elektro-Automatik GmbH & Co. KG	PS 2042-10 B	2878350292	LAB000191	NE	–
13	Open Switch and Control Platform	Rohde & Schwarz	OSP200 Base Unit 2HU	101748	LAB000149	ZW	–
14	Antenna	Rohde & Schwarz	HF907	102898	LAB000124	K	2023-06-13 → 36M → 2026-06-13
15	Antenna	Rohde & Schwarz	HL562E	102001	LAB000123	K	2023-04-05 → 36M → 2026-04-05
16	Antenna	Rohde & Schwarz	HFH2-Z2E - Active Loop Antenna	100954	LAB000108	K	2023-05-05 → 36M → 2026-05-05
17	Pre-Amplifier	Schwarzbeck Mess-Elektronik OHG	BBV 9718 C	84	LAB000169	NE	–

8.2.AC conducted emissions



Description:

$$E = U_{Rx} + \alpha_{cable\ loss} + VC$$

$$P = 10^{\frac{EIRP|_{dBm}}{10}}$$

- radiated output power → $E|_{\frac{dB\mu V}{m}}$
- voltage at the receiver → $U_{Rx}|_{\frac{dB\mu V}{m}}$
- correction factor of the ISN → $VC|_{\frac{dB}{m}}$
- loss of the cable and filter → $\alpha_{cable\ loss}|_{dB}$

Example:

$$E = 37.62\ \frac{dB\mu V}{m} + 9.90\ dB + 0.23\ \frac{dB}{m} = 47.75\ \frac{dB\mu V}{m}$$

List of test equipment used:

No.	Equipment	Manufacturer	Type	Serial No.	IBL No.	Kind of Calibration	Last / Next Calibration
1	EMI Test Receiver	Rohde & Schwarz	EPL1000	100921	LAB000873	C	2024-12-19 → 12M → 2025-12-19
2	Power Supply	Chroma	61704		LAB000540	NR	–
3	Shielded room	Albatross Projects GmbH	Sputnik 1 (Schirmkabine)		LAB000257	NR	–
4	Open Switch and Control Platform	Rohde & Schwarz	OSP-B200S2	101443	LAB000239	NR	–
5	Two-Line V-Network	Rohde & Schwarz	ENV216	102597	LAB000220	C	2025-06-11 → 12M → 2026-06-11

9. Measurement procedures

9.1. Radiated spurious emissions from 9 kHz to 30 MHz

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.
- For each turntable step 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 by rotating the turntable from 0° to 360°.
- Loop antenna is rotated with special 3D adapter set to find maximum level of emissions.
- Plot of the pre-scan with frequencies of identified emissions including levels, correction factors, turn table position and settings of measuring equipment is recorded.

Distance correction (extrapolation)

- When performing measurements on test distances other than defined in the rules, the results shall be extrapolated to the specified distance by conservatively presuming that the field strength decays at 40 dB/decade of distance in the region closer than λ in m divided by 2π (i.e., λ/2π), and at 20 dB/decade of distance beyond that, using the measurement of a single point at the radial angle that produces the maximum emission.
  This correction is already included in the limit line of corresponding measurement plots.

Detailed requirements can be found in e.g. ANSI C63.4 / C63.10

9.2. 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 C6.4).
- 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.

Distance correction (extrapolation)

- When performing measurements on test distances other than defined in the rules, the results shall be extrapolated to the specified distance by conservatively presuming that the field strength decays at 20 dB/decade of distance beyond the region λ in m divided by 2π (i.e., λ/2π), using the measurement of a single point at the radial angle that produces the maximum emission.
  This correction is already included in the corresponding measurement plots.

Detailed requirements can be found in e.g. ANSI C63.4 / C63.10

10. MEASUREMENT UNCERTAINTIES

Radio frequency	≤ ± 10 ppm
Radiated emission	≤ ± 6 dB
Temperature	≤ ± 1 °C
Humidity	≤ ± 5 %
DC and low frequency voltages	≤ ± 3 %

The indicated expanded measurement uncertainty corresponds to the standard measurement uncertainty for the measurement results multiplied by the coverage factor k = 2. It was determined in accordance with EA-4/01 m:2013. The true value is located in the corresponding interval with a probability of 95 %.

End of Test Report