

TEST REPORT
CFR 47, FCC Part 15, Subpart C and ISED
Intentional Radiators

Report Number: 125-25804-1

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Name of Testing Laboratory
preparing the Report.....: FORCE Technology
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DENMARK



Applicant's name: Vitrolife A/S
Address: Jens Juuls Vej 20
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Test specification:: ANSI C63.10:2020
TRF template used:: IECEE OD-2020-F7:2020; ed. 2
Standards: 47 CFR Part 15, Subpart C (Specific rule part §15.225)
ISED RSS-210:2024 + RSS-Gen:2019 AM1:2019 + AM2:2021
Test procedure: DANAK

Test Report Form No.: According to OD-2020, Clause 3.3

Test Report Form(s) Originator: FORCE Technology

Master TRF: Dated 2022-06-02 (according to 3.3.4)

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Test item description	Tagging system	
Trademark or brand name.....		
Manufacturer.....	Vitrolife A/S	
Model/Type reference(s)	eWitness	
FCC ID	2BO96EW0140100202	
ISED ID	35551 -	
Ratings	12 VDC - 100-240 VAC / 50/60 Hz from AC/DC adaptor – 60 W	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
Testing Laboratory	FORCE Technology	
Testing location/ address.....	Venlighedsvej 4 2970 Hørsholm DENMARK	
Tested by (name, function, signature)	Peter Wolf Frandsen, Specialist EMC	
Approved by (name, function, signature)	Karsten Kruse Jensen Senior Team Leader	

List of Attachments (including a total number of pages in each attachment): N/A
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Summary of testing	
Tests performed (name of test and std. clause): AC power-line conducted emission (6.2) Radiated emission below 30 MHz (6.4) Radiated emission 30 - 1000 MHz (6.5) Radiated emission above 1 GHz (8) Frequency stability (6.8) Occupied bandwidth (6.9) Band edge (6.10) Field strength of fundamental	Testing location: FORCE Technology Venlighedsvej 4 2970 Hørsholm DENMARK

Summary of compliance	
☒ The product fulfils the requirements of the following standard, with respect to the test listed below:	
• USA: 47 CFR Part 15, Subpart C (Specific rule part §15.225) • Canada: ISED RSS-210:2024 + RSS-Gen:2019 AM1:2019 + AM2:2021	
The given result is based on a shared risk principle with respect to the measurement uncertainty.	
Use of uncertainty of measurement for decisions on conformity (decision rule) : The decision rule is inherent in the requested specification. For additional information see 6.2.	
Information on uncertainty of measurement: ☒ Internal procedure used for type testing through which traceability of the measuring uncertainty has been established: Calculations leading to the reported values are on file with the testing laboratory internal Quality Management System D4.	
☐ Statement not required by the standard used for type testing	

Possible test case verdicts:	
- test case does not apply to the test item .:	N/A (Not Applicable)
- test item does meet the requirement	P (Pass)
- test item does not meet the requirement .:	F (Fail)
Date of receipt of test item	2025-05-01
Date (s) of performance of tests	2025-05-06 to 2025-06-10
General remarks:	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report. Throughout this report a ☐ comma / ☒ point is used as the decimal separator. Note: Throughout this TRF, numerical data taken from IEC standards are using a comma as the decimal separator. Throughout this report, the term "Test item" is used over terms such as Test object, EUT or DUT.	
General product information (GPI) and other remarks:	
A RFID System, the eWitness is a safety mechanism used to prevent mix-ups of gametes and embryos, ensuring correct identification and tracking throughout the IVF process. The two antennas are not transmitting simultaneously. The system employs internal multiplexing, ensuring that only one antenna is active in transmit mode at any given time.	

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1 General description of test item

Note: The information in this section has been provided by the applicant.

1.1 Photo(s) of the test item

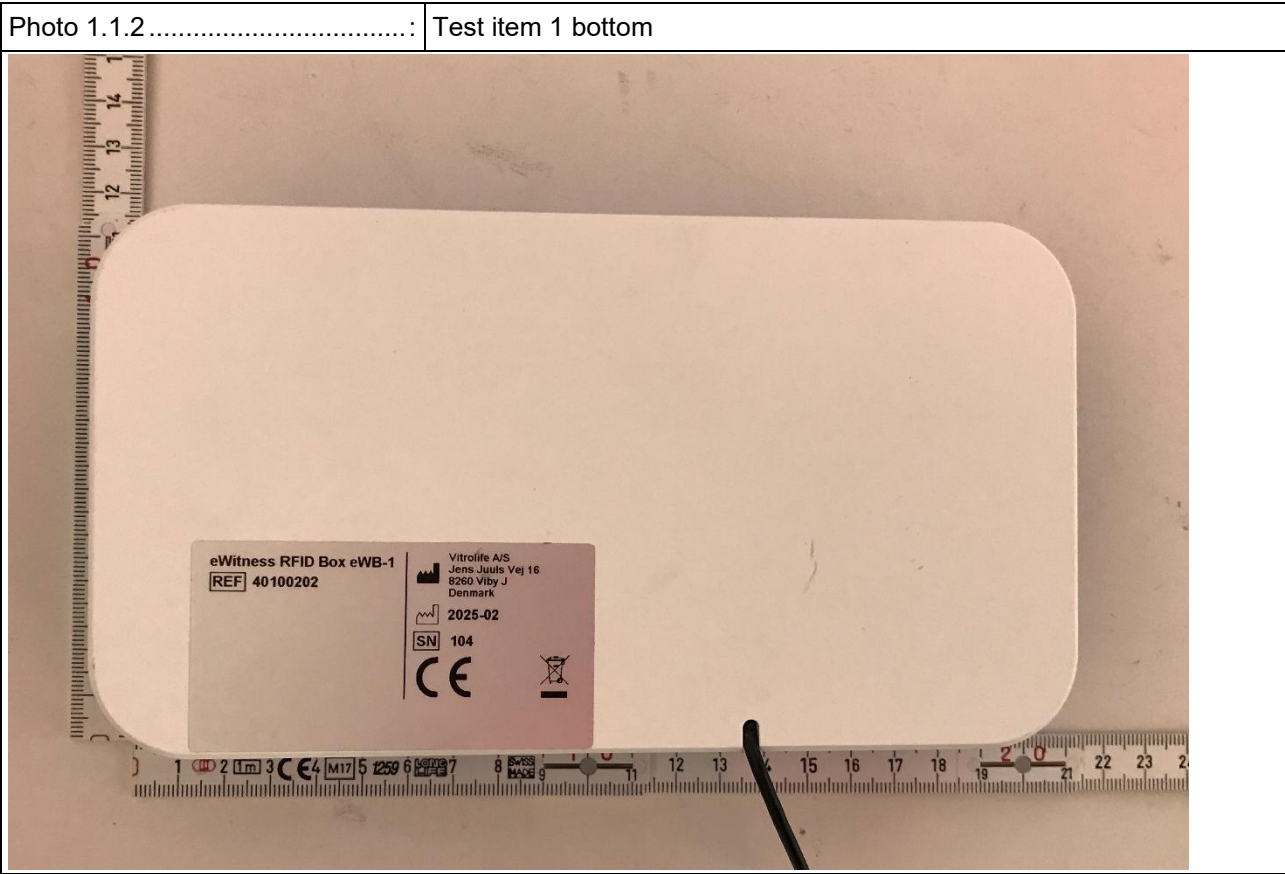
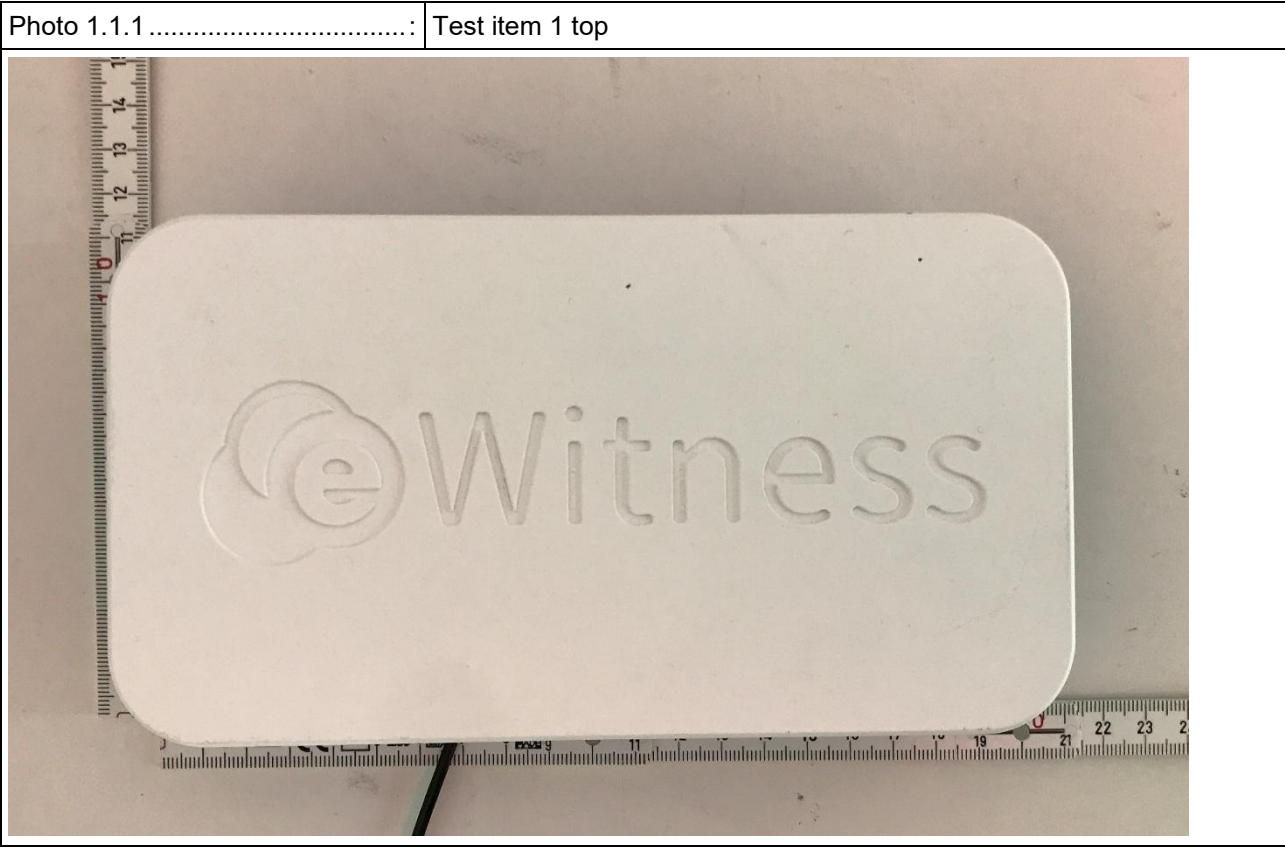


Photo 1.1.3: Test item 2 top



Photo 1.1.4: Test item 2 bottom

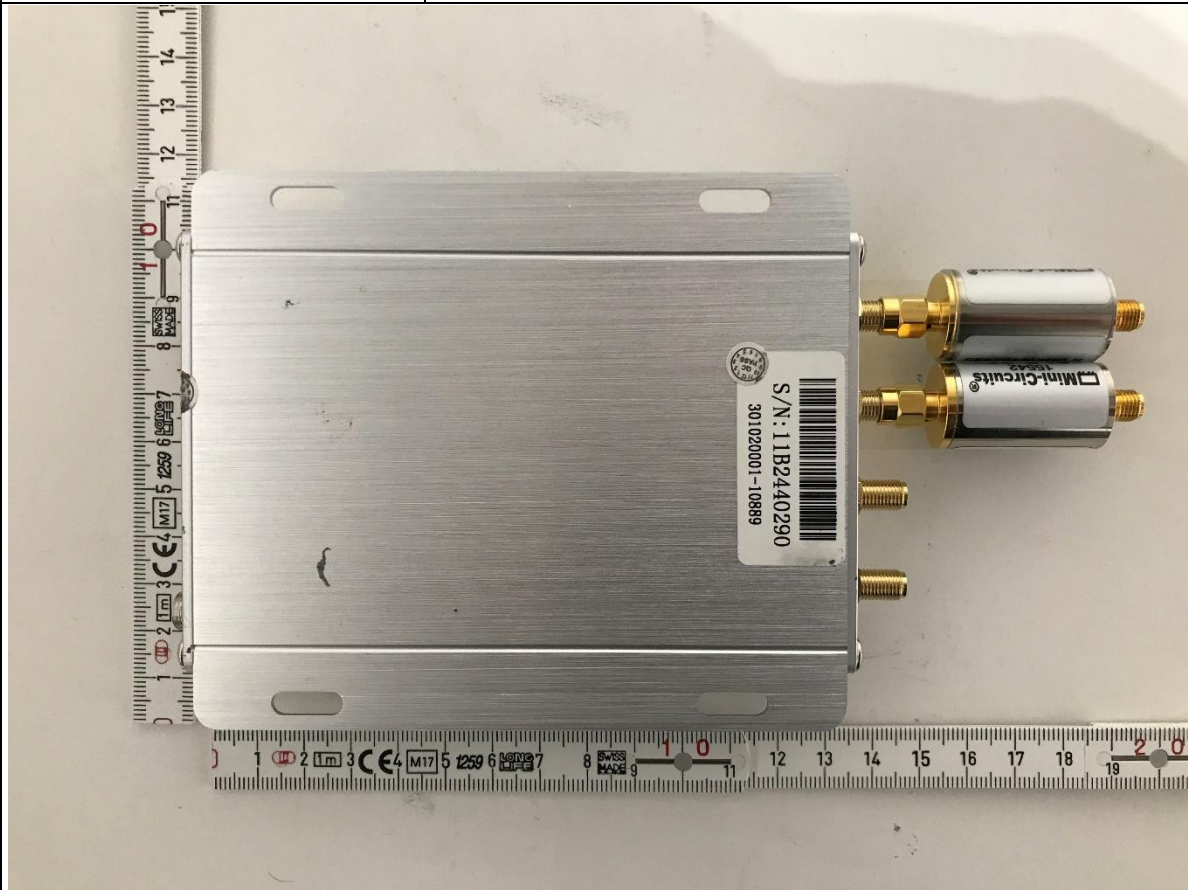


Photo 1.1.5.....: Test item 2 front connector



Photo 1.1.6.....: Test item 2 rear connector



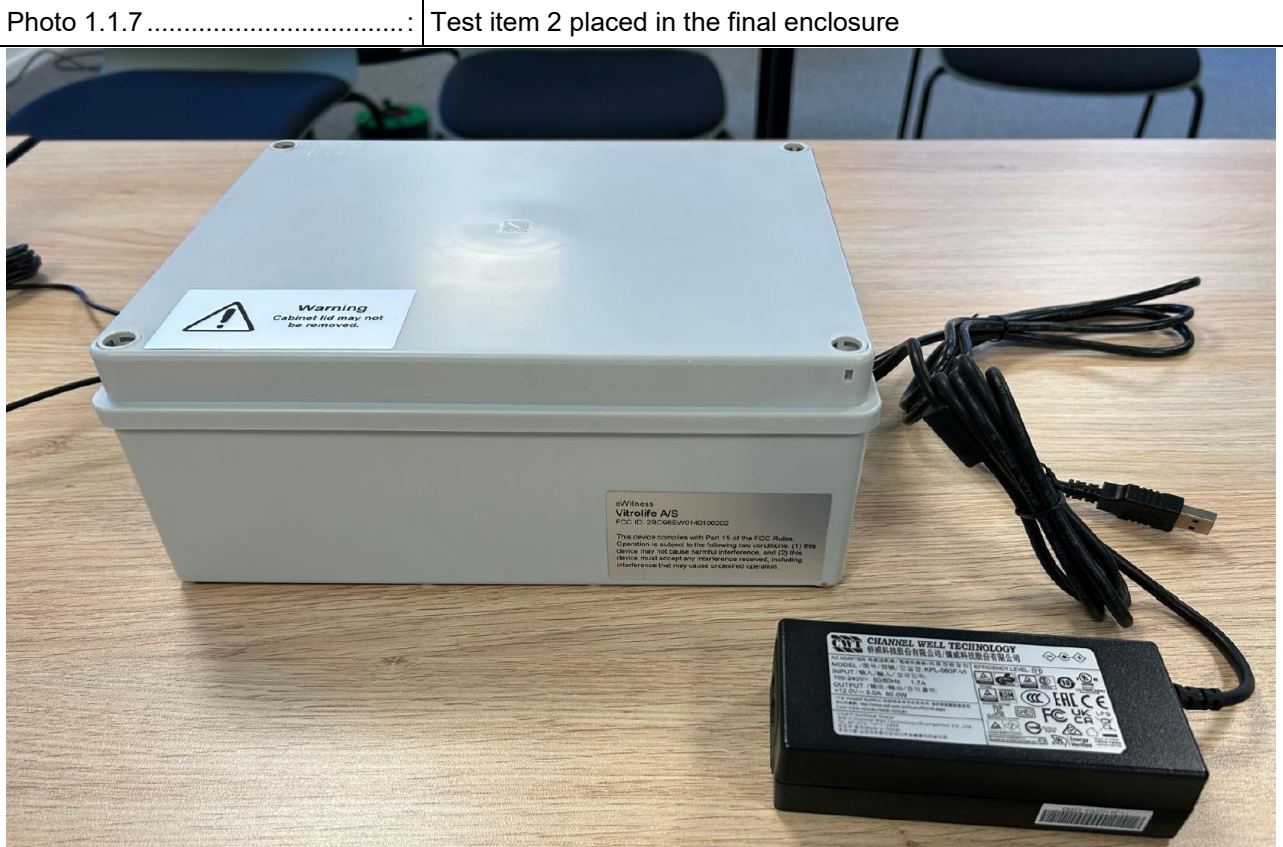


Photo 1.1.9.....: Test item 2 placed in the final enclosure



Photo 1.1.10.....: Test item 2 placed in the final enclosure



1.2 Test item(s)

No.	Test item name	Unique identification / type / description	Extent of test
1	RFID box eWB-1	SN: 103 / REF: 40100202 / RFID-shielded antenna SN: 104 / REF: 40100202 / RFID-shielded antenna	Tested in full
2	RFID Reader	SN: 11B2440290 / Model: RD2104 / RFID Reader Antenna ports (Ant1 + Ant2) equipped with low pass filter SLP-23+ from Mini-Circuits	Tested in full
Supplementary information: Not tested in the final enclosure. The enclosure is made of plastic material and is RF transparent, therefore no impact on the RF characteristics is expected.			

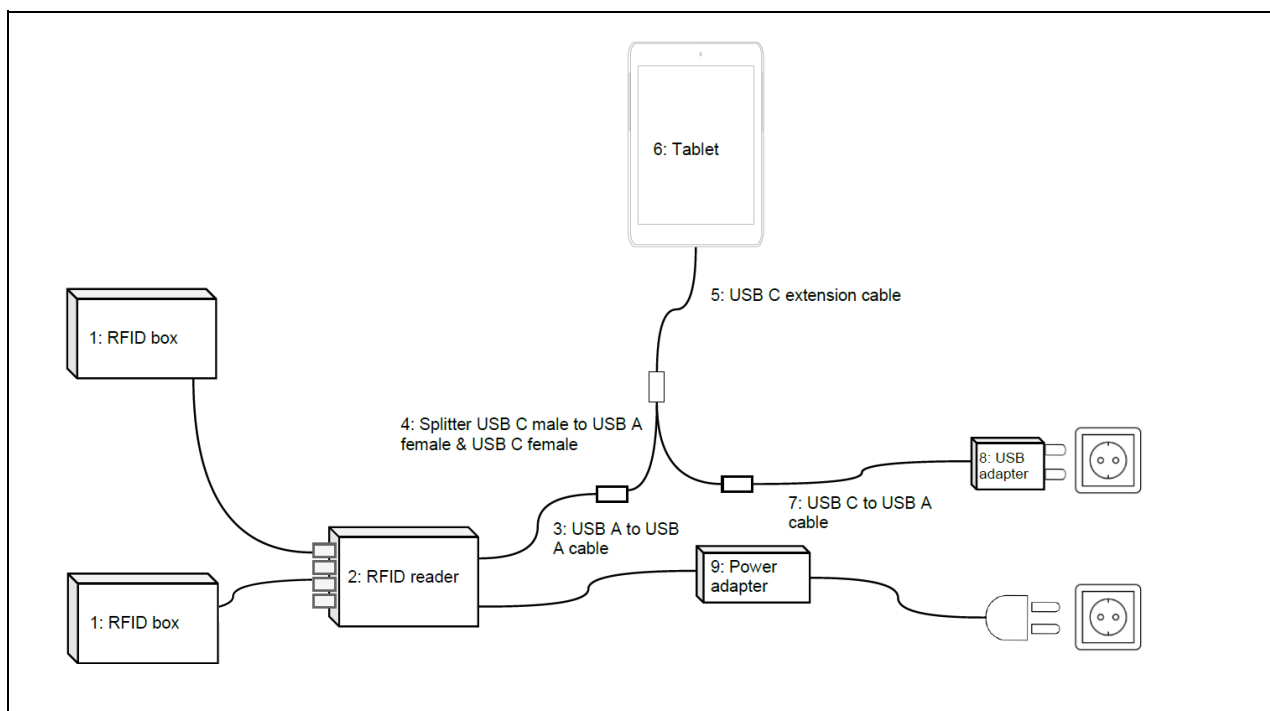
1.3 Port(s)

No.	Port Name	Type	Cable		
			Specified length in m	Attached during test	Shielded
1	Enclosure	Enclosure	-	-	-
2	12VDC	DC power	2	☒	☐
3	USB	USB port	2	☒	☒
4	LAN	Wired network	> 30	☐	☐
5	RS-232	Signal port	> 3	☐	☐
6	Ant3-4	Antenna port 3 to 4	2	☐	☐
7	Ant1-2	Antenna port 1 to 2	2	☒	☒
Supplementary information: Ports 4, 5, and 6 are not accessible in the final product. The outputs on Port 6 are disabled at firmware level.					

1.4 Power rating(s)

Power supply type..... :	☒	AC, 1 phase (AC/DC adaptor)
	☐	AC, 2 phases
	☐	AC, 3 phases
	☐	Neutral
	☐	Protective Earth
	☒	DC (RFID Reader)
	☐	Battery, not rechargeable in the device
	☐	Battery, rechargeable in the device
Rated voltage	12 VDC 100-240 VAC to AUX AC/DC adaptor	
Rated frequency	- DC 50/60 Hz	
Rated power..... :	AUX AC/DC adaptor rated power: 60 Watts	

1.5 Configuration and Connections with Test item



1.6 Additional parameters

Radio type	RF-ID – 13.56 MHz	
Antenna	Internal / Non removeable – 2. pcs. The two antennas are not transmitting simultaneously. The system employs internal multiplexing, ensuring that only one antenna is active in transmit mode at any given time.	
Clock frequencies.....	Tx: 13.56 MHz USB 2: 240 MHz	
Duty cycle during test	350 ms	
Software version	30.36	
Hardware version	1.0	
Dimensions (W x H x D)...	12 x 3 x 21 cm	
Mounting position	☒	Tabletop equipment
	☐	Wall/Ceiling mounted equipment
	☐	Floor standing equipment
	☐	Hand-held equipment
	☐	Other: -

1.7 Operating mode(s)

No.	Abbreviation	Detailed description of the operating mode	Used for testing	
			Radiated and Conducted Emission	Radio Parameter
1	Normal operating mode	Search for tags mode	☒	☒
Supplementary information: -				

1.8 Auxiliary equipment

No.	AE Item Name	Type and description	Manufacturer (If not the same)
1	USB A to USB A cable	Cable	Noname
2	Splitter USB C male to USB A female & USB C female	Cable	MOSWAG
3	USB C extension cable	Cable	UGREEN
4	Tablet	Platform for the eWitness app	Samsung
5	USB C to USB A cable	Cable	Noname
6	USB adapter	Power unit for USB	Zebra
7	Power adapter	Power unit RFID reader	CWT Channel Well Technology
Supplementary information: -			

1.9 Modifications to the test item during testing

☒	No modifications done during testing	
☐	Modifications done during testing (see details below)	
No.	Description of modification (if any)	Date of modification
1	-	-
Supplementary information: -		

2 Verdict summary section

USA: 47 CFR Part 15, Subpart C (Specific rule part §15.225) Canada: ISSED RSS-210:2024 + RSS-Gen:2019 AM1:2019 + AM2:2021				
Test Clause	Requirement – Test case	FCC rule part	Test methods	Results
6.2	Measurement of radio frequency voltage on mains / Conducted limits	47 CFR Part 15 B + C Subpart 15.107 & 15.207 RSS-Gen:2019	ANSI C63.10:2020	P Note 1
6.4 & 6.5	Measurement of radiated emission / field strength of harmonics	47 CFR Part 15 B + C Subpart 15.109 & 15.209 47 CFR Part 15.225 RSS-Gen:2019 RSS-210:2024 Annex B.6	ANSI C63.10:2020	P
6.8	Frequency stability	47 CFR Part 15.225 RSS-210:2024 Annex B.6(b)	ANSI C63.10:2020	P
6.9	Measurement of occupied bandwidth	47 CFR Part 15.215(c) RSS-Gen:2019 clause 6.7	ANSI C63.10:2020	P
6.10	Measurement of band edge	47 CFR Part 15.209 & 15.225 RSS-210:2024 Annex B.6	ANSI C63.10:2020	P
6.6	Measurement of field strength of fundamental	47 CFR Part 15.225 RSS-210:2024 Annex B.6	ANSI C63.10:2020	P
47 CFR, Part 15, Subpart B (FCC Part 15B)				
8	Radiated emission measurements above 1 GHz	47 CFR Part 15.109 Class B	ANSI C63.4:2014	P Note 2
Supplementary information: Note 1: Passed with antennas replaced by 50 Ω terminations in accordance with KDB 174176 D01 Line Conducted FAQ v01r02 (2025). Note 2: Additional measurement due to USB operating frequency.				

3 Test conditions

3.1 General

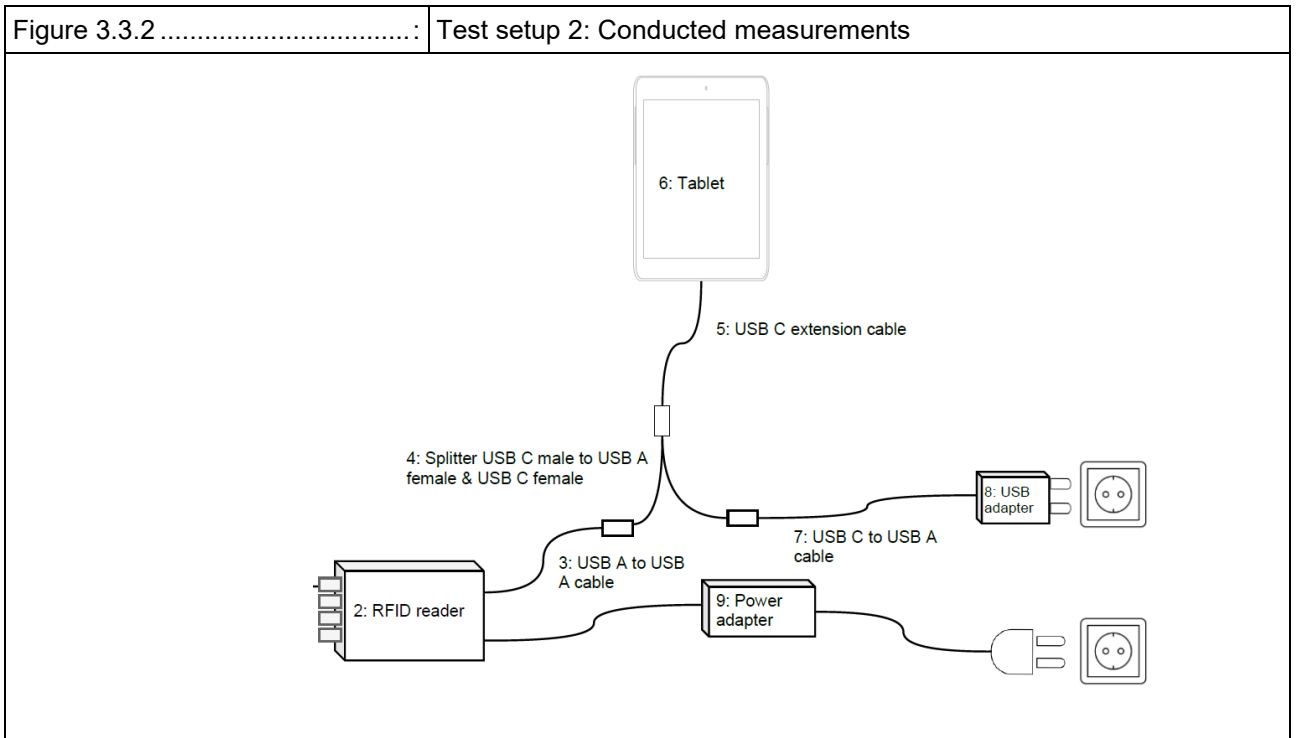
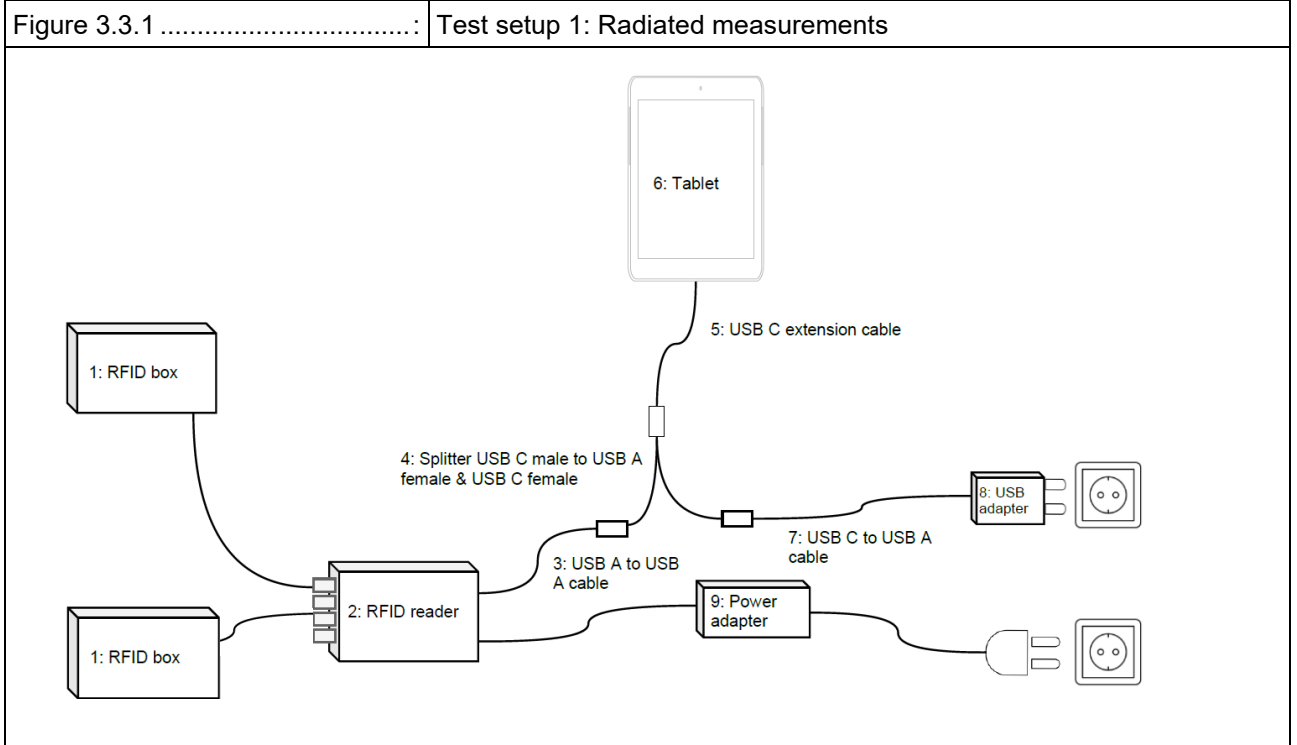
Environmental reference conditions.....:	The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment.		
	The climatic conditions during the tests were within the following limits:		
	Temperature	Humidity (rh)	Atmospheric pressure
	15 °C – 35 °C	30 % - 60 %	800 hPa – 1060 hPa
	If explicitly required in the basic standard or applied product standard the climatic values are recorded and documented separately in this test report.		
Measurement uncertainties	For all measurements where guidance for the calculation of the instrumentation uncertainty of a measurement is specified in CISPR 16-4-2, the measurement instrumentation uncertainty has been calculated and applied in accordance with the standard.		

3.2 Operational requirements during testing

The operation of the EUT shall conform to the following provisions:

- a) The unlicensed wireless device shall be configured to operate at 100 % duty cycle. For systems incapable of supporting 100 % duty cycle, the unlicensed wireless device shall be operated using the maximum possible duty cycle, and this information shall be noted as such in the test report.
- b) The unlicensed wireless device shall be tested operating at the highest transmit power allowed for each antenna configuration.
- c) The system shall be tested with each modulation to identify the worst-case modulation that produces the highest level of emissions. Where a multi modulation scheme is used, justification for the single modulation chosen shall be provided in the test report.
- d) The system shall be tested using the data rate that yields the highest fundamental emission levels for each modulation type. The data rate and rationale or supporting test data shall be included in the test reports.
- e) For frequency hopping systems, the hopping sequence shall be stopped for certain test suites to allow for measurements on a single channel.
- f) Where applicable, the device shall also be configured to transmit at the worst-case duty cycle under normal operating conditions to determine the average correction factor.
- g) The software shall allow configuration and operation on all available unlicensed wireless device channels.
- h) The software shall allow configuration and operation in the unmodulated carrier model, where applicable.

3.3 Test setups



4 Emission

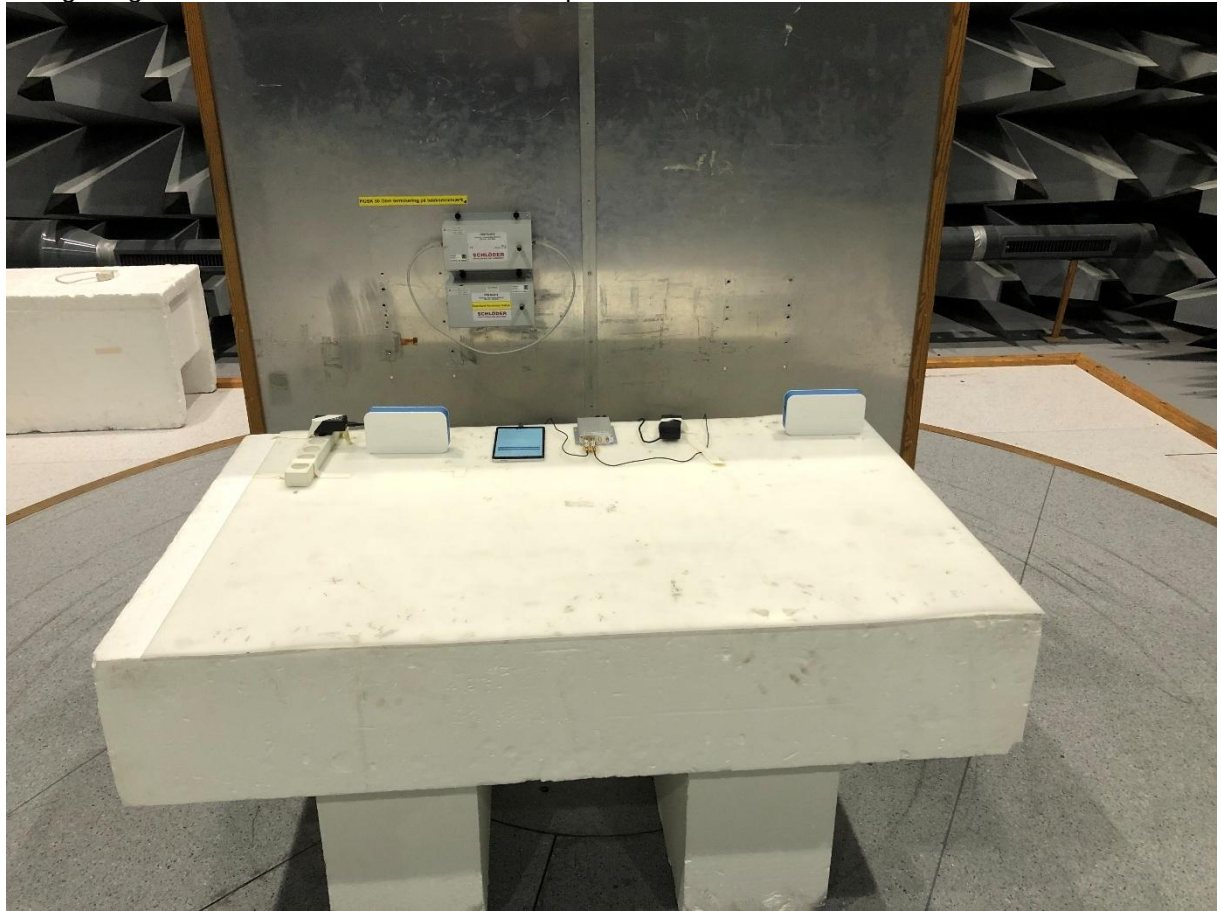
4.1 Measurement of AC power-line conducted emission

Name	Peter Wolf Frandsen	
Date	2025-05-23	
Rationale for verdict N/A	-	

Test location (stand)	Hørsholm EMIRUM	
Applied limit class	☒	Limit according to 47 CFR Part 15 C Subpart 15.207
	☐	Other: -
Test setup description	☒	40 cm distance to vertical ground plane, 80 cm over ground plane
	☐	Floor standing equipment setup (10 cm over ground plane)
	☐	Other: -
	☐	Artificial hand applied
Supplementary test setup description	If the EUT is normally operated with a ground (safety) connection, then the EUT shall be connected to the ground at the LISN through a conductor provided in the lead from the ac power to the LISN. The excess length of the power cord between the EUT and the LISN receptacle shall be folded back and forth at the centre of the lead to form a bundle not exceeding 40 cm in length. The system shall be arranged in one typical equipment arrangement for the test.	
Test method applied	☒	Artificial mains network (AMN): 50 Ω , 50 μ H
	☐	Other: -
Supplementary information	Following KDB 174176 D01 Line Conducted FAQ v01r02 (2025), the measurement was also performed with the antennas replaced by 50 Ω terminations. AC power-line conducted emission measurements shall be made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz, to determine the line-to-ground radio-noise voltage that is conducted from all of the EUT current-carrying power input terminals that are directly (or indirectly via separate transformers or power supplies) connected to a public power network. These measurements may also be required between 9 kHz and 150 kHz. If the EUT normally receives power from another device that in turn connects to the public utility ac power lines, measurements shall be made on that device with the EUT in operation to demonstrate that the device continues to comply with the appropriate limits while providing the EUT with power. If the EUT is operated only from internal or dedicated batteries, with no provisions for connection to the public utility ac power lines (600 VAC or less) to operate the EUT (such as an adapter), then ac power-line conducted measurements are not required.	

Photo 4.1.1: Measurement of AC power-line conducted emission with Antennas

a. High angle front view of EUT and AE on setup table



b. High angle rear oblique view of EUT and AE on setup table

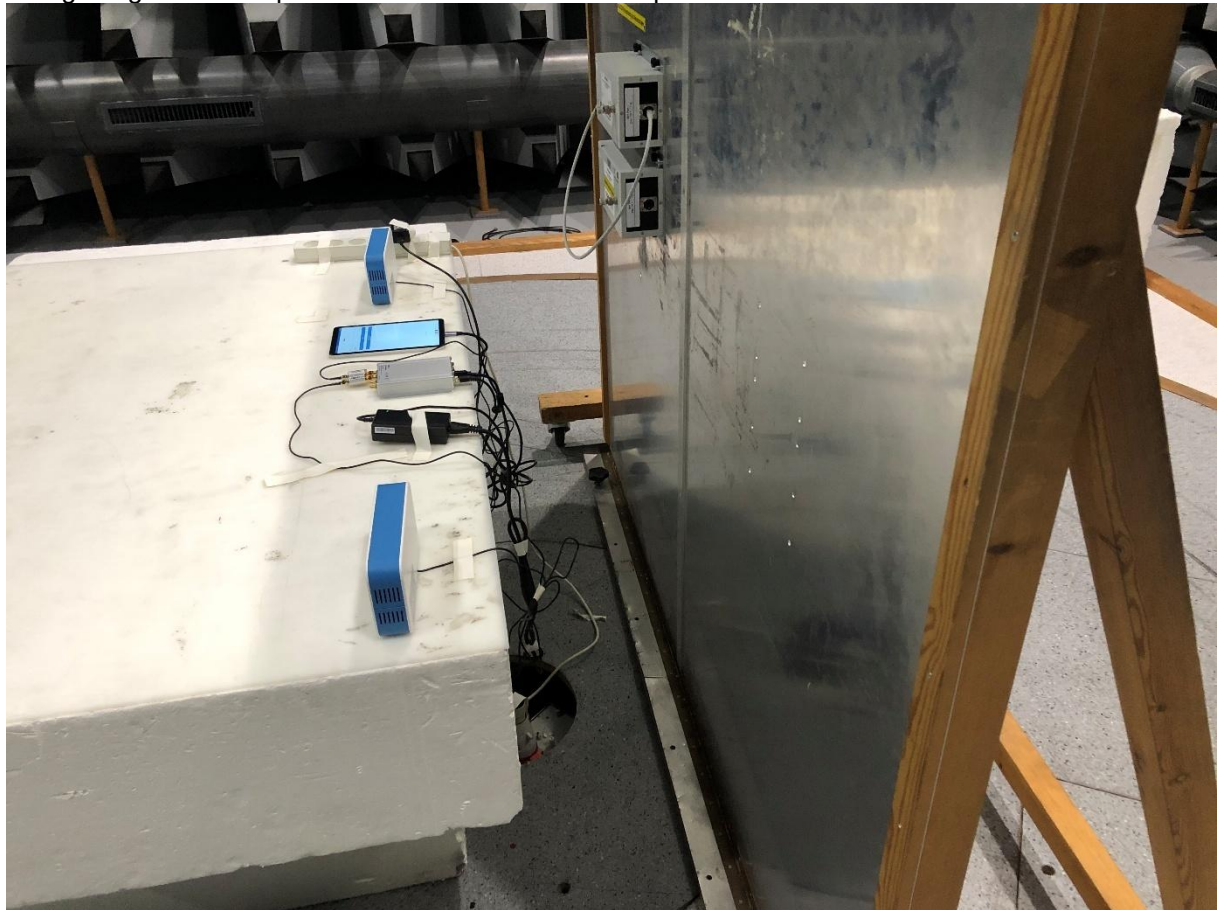
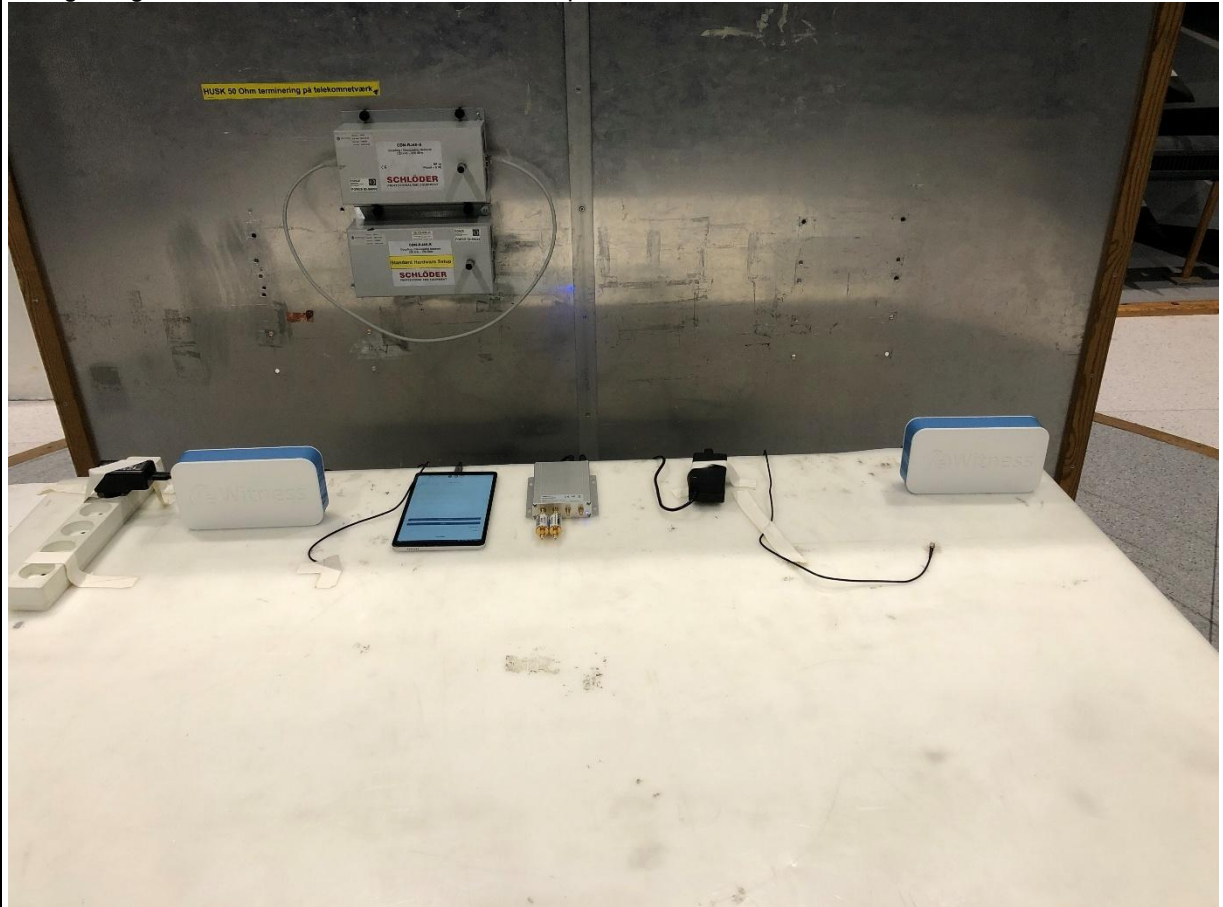


Photo 4.1.2.....: Measurement of AC power-line conducted emission with antennas replaced by 50 Ohm terminations

a. High angle front view of EUT and AE on setup table



b. High angle rear oblique view of EUT and AE on setup table with terminations



Test results for AC power-line conducted emission with antennas

Test item no(s) ref. cl. 1.2	1
Operating mode no(s) ref. cl. 1.7 :	1
Test setup no(s) ref. cl. 3.3	1

Tabulated Results summary

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.245	---	39.70	51.94	12.24	15000.0	9.000	L1	FLO	10.2
0.418	---	44.04	47.49	3.45	15000.0	9.000	N	FLO	10.3
0.418	50.81	---	57.49	6.68	15000.0	9.000	N	FLO	10.3
0.434	---	34.01	47.19	13.18	15000.0	9.000	L1	FLO	10.3
1.001	---	31.60	46.00	14.40	15000.0	9.000	L1	FLO	10.5
13.292	49.95	---	60.00	10.05	15000.0	9.000	L1	FLO	12.2
13.400	54.45	---	60.00	5.55	15000.0	9.000	L1	FLO	12.3
13.560	87.97	---	60.00	-27.97	15000.0	9.000	L1	FLO	12.3
13.560	---	77.00	50.00	-27.00	15000.0	9.000	L1	FLO	12.3
13.722	---	34.88	50.00	15.12	15000.0	9.000	L1	FLO	12.3
13.722	56.65	---	60.00	3.35	15000.0	9.000	L1	FLO	12.3
13.844	50.26	---	60.00	9.74	15000.0	9.000	L1	FLO	12.3
27.121	---	13.95	50.00	36.05	15000.0	9.000	N	FLO	12.8
27.121	37.78	---	60.00	22.22	15000.0	9.000	N	FLO	12.8

The result is calculated by adjusting the receiver reading with the correction factor.

Correction factor (dB) = LISN factor (dB) + Cable loss (dB) + Attenuation (dB)

Tabulated Result terms:

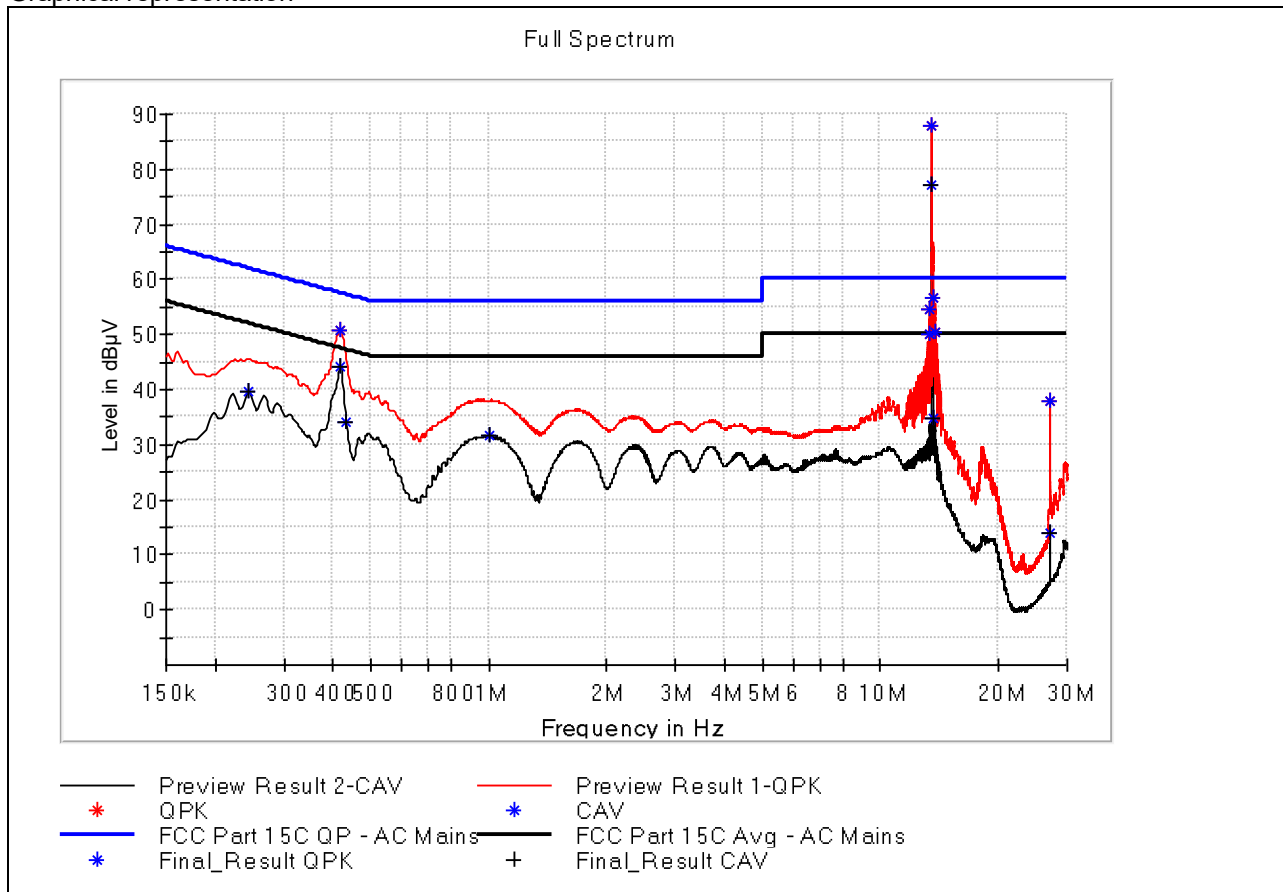
Result = QuasiPeak (dBμV) and CAverage (dBμV))

Correction factor = Corr. (dB)

Note: The test software state attenuation as a positive value and amplification as a negative value.

Sample calculation: 39.7 dBμV (result) = 29.5 dBμV (receiver reading) + 10.2 dB (Correction factor)

Graphical representation



Test results for AC power-line conducted emission with antennas replaced by 50 Ohm terminations.

Test item no(s) ref. cl. 1.2	1
Operating mode no(s) ref. cl. 1.7 :	1
Test setup no(s) ref. cl. 3.3	2

Tabulated Results summary

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.245	---	40.50	51.94	11.44	15000.0	9.000	N	FLO	10.2
0.249	46.26	---	61.79	15.53	15000.0	9.000	N	FLO	10.2
0.420	---	44.69	47.45	2.76	15000.0	9.000	L1	FLO	10.3
0.420	51.43	---	57.45	6.02	15000.0	9.000	N	FLO	10.3
0.434	---	36.33	47.19	10.86	15000.0	9.000	N	FLO	10.3
0.434	47.24	---	57.19	9.95	15000.0	9.000	N	FLO	10.3
1.005	---	32.25	46.00	13.75	15000.0	9.000	N	FLO	10.5
1.019	38.77	---	56.00	17.23	15000.0	9.000	L1	FLO	10.5
1.691	37.07	---	56.00	18.93	15000.0	9.000	N	FLO	10.7
1.700	---	31.29	46.00	14.71	15000.0	9.000	N	FLO	10.6
13.560	42.79	---	60.00	17.21	15000.0	9.000	L1	FLO	12.3
13.560	---	35.23	50.00	14.77	15000.0	9.000	L1	FLO	12.3

The result is calculated by adjusting the receiver reading with the correction factor.

Correction factor (dB) = LISN factor (dB) + Cable loss (dB) + Attenuation (dB)

Tabulated Result terms:

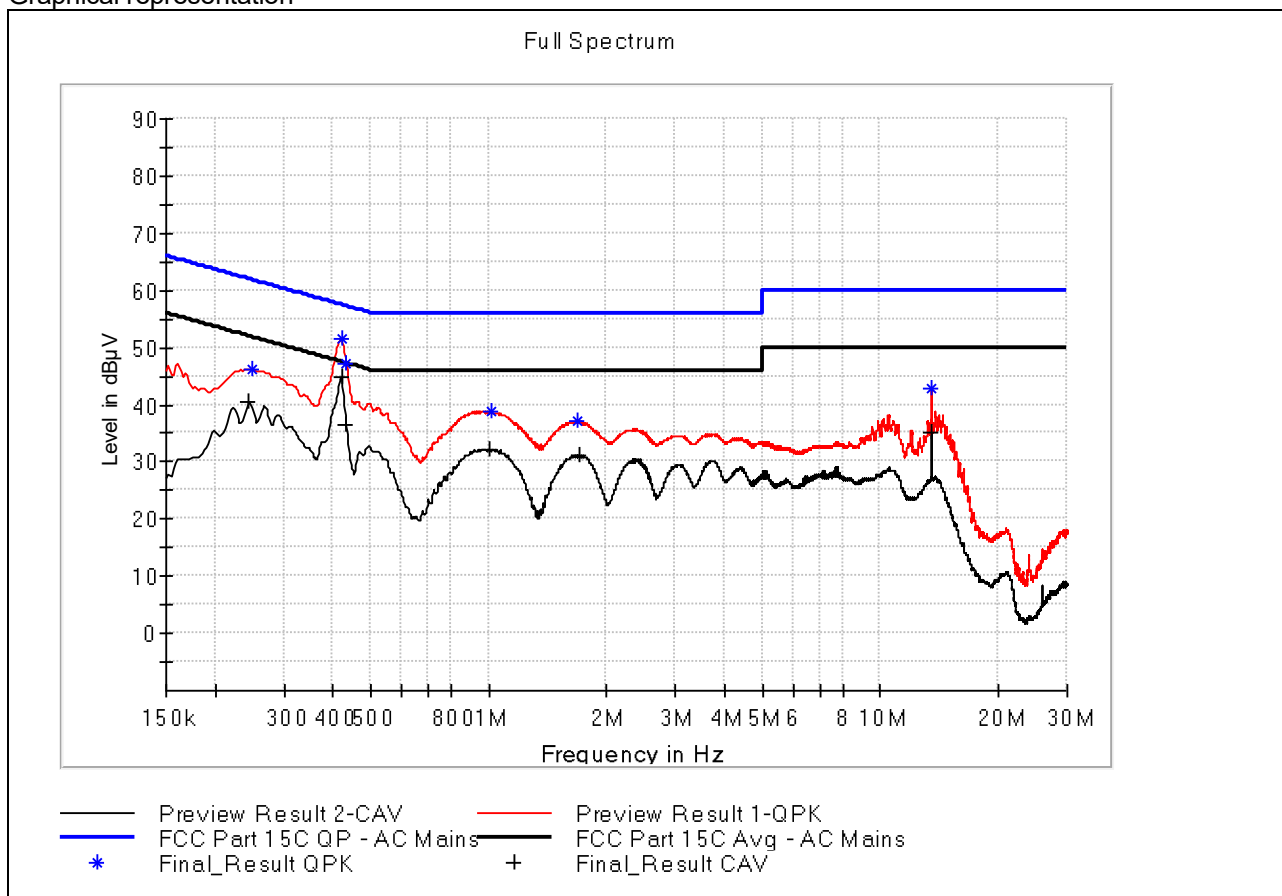
Result = QuasiPeak (dBμV) and CAverage (dBμV))

Correction factor = Corr. (dB)

Note: The test software state attenuation as a positive value and amplification as a negative value.

Sample calculation: 40.5 dBμV (result) = 30.3 dBμV (receiver reading) + 10.2 dB (Correction factor)

Graphical representation



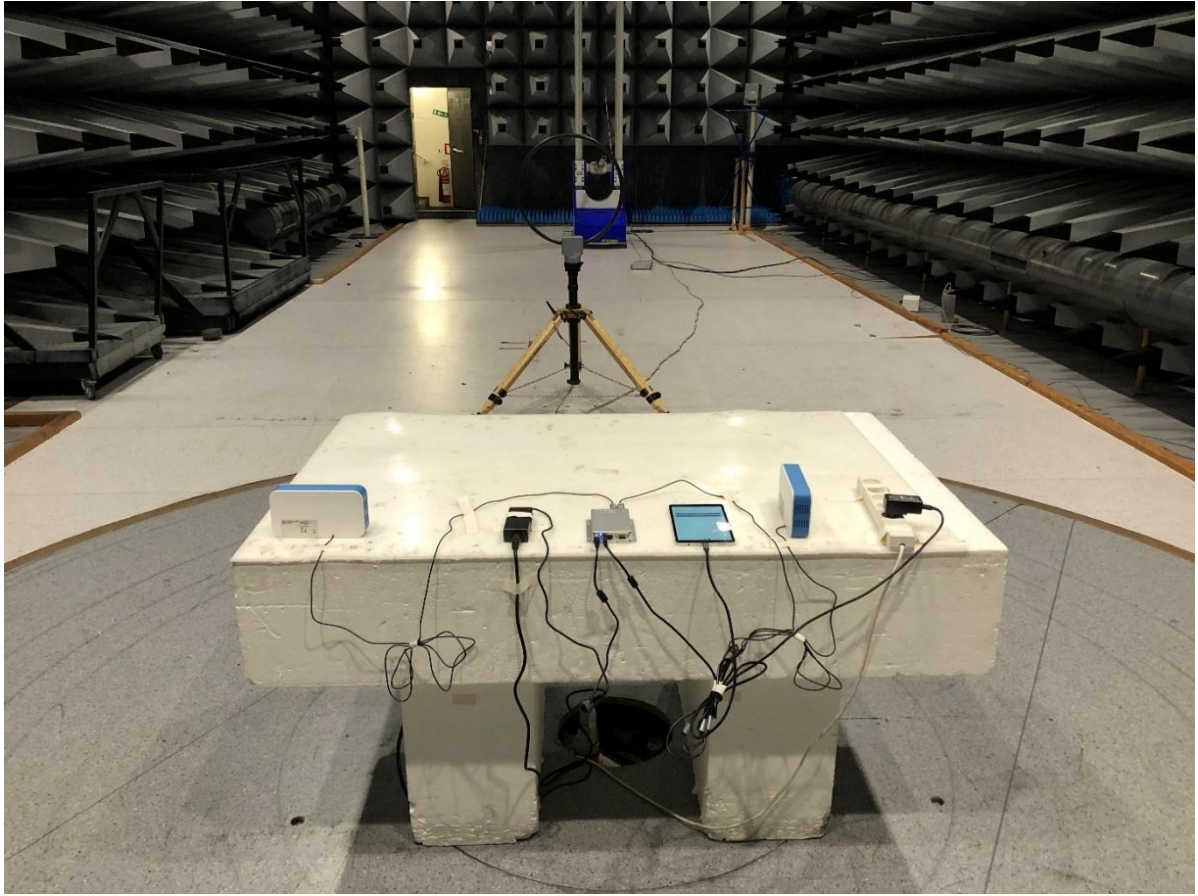
4.2 Measurement of radiated emission below 30 MHz (Magnetic field)

Name	Peter Wolf Frandsen
Date	2025-05-23
Rationale for verdict N/A	-

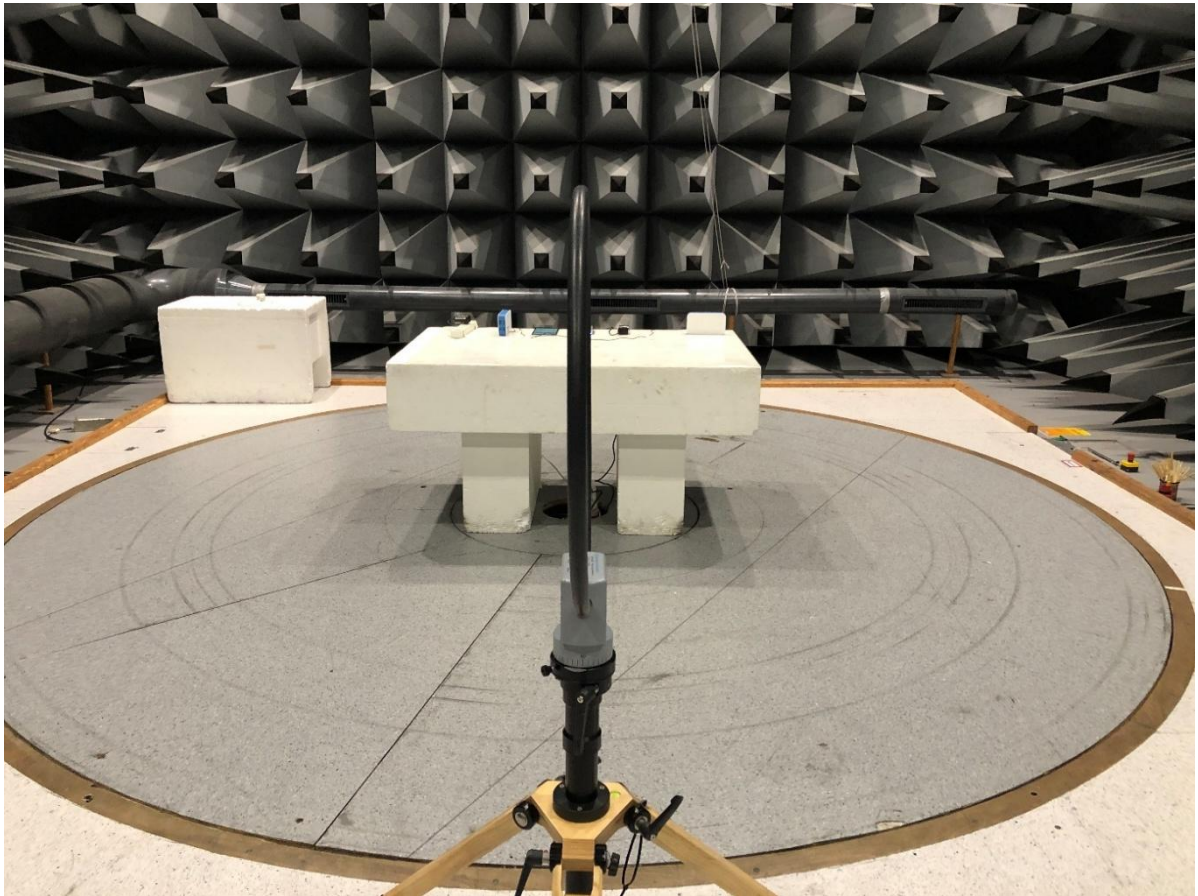
Test location (stand)	Hørsholm EMIRUM
Applied limit class	☒ Limit according to 47 CFR Part 15 C Subpart 15.209 and Subpart 15.225 ☐ Other:
Test setup description	☒ Equipment on a table 80 cm height ☐ Equipment on the floor (isolated from ground plane) ☐ Other (e.g., height of pallet):
Supplementary test setup description	Any controlling device (e.g., notebook, laptop, or desktop computer) shall be positioned such that it shall not significantly influence the measurement results. External antenna(s) shall be positioned for maximum radiated emissions. EUTs with integral antennas shall be evaluated in their normal orientation. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the centre, forming a bundle 30 cm to 40 cm long.
Test method applied	☒ Active loop antennas, as specified in ANSI C63.2 and/or CISPR 16-1-4:2010 ☒ SAC with measurement distance [m]: 3
Supplementary information	The calculation of the correction of the limit lines from 30/300 meter to 3 meters: $\text{Limit2} = \text{Limit1} + 40 * \text{Log} (D1 / D2)$. This is done according to FCC Part 15, Section 31.

Photo 4.2.1: Measurement of radiated emission below 30 MHz (Magnetic field)

a. High angle front view of EUT on setup table, antenna axis X



b. High angle rear oblique view of EUT antenna axis Y



c. High angle front view of EUT on setup table, antenna axis Z

**Test results for radiated emission below 30 MHz (Magnetic field)**

Test item no(s) ref. cl. 1.2	1
Operating mode no(s) ref. cl. 1.7 :	1
Test setup no(s) ref. cl. 3.3	1

Tabulated Results summary

X-axis

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
13.400	43.25	79.60	36.35	15000.0	9.000	100.0	V	152.0	21.1
13.560	77.64	124.00	46.36	15000.0	9.000	100.0	V	147.0	21.1
13.722	44.78	79.60	34.82	15000.0	9.000	100.0	V	146.0	21.1
27.121	24.77	68.60	43.83	15000.0	9.000	100.0	V	210.0	22.4
29.879	24.61	68.60	43.99	15000.0	9.000	100.0	V	160.0	22.7

Y-axis

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11.967	28.58	68.60	40.02	15000.0	9.000	100.0	V	153.0	21.0
13.560	74.91	124.00	49.09	15000.0	9.000	100.0	V	198.0	21.1
26.336	23.47	68.60	45.13	15000.0	9.000	100.0	V	0.0	22.3
27.121	52.62	68.60	15.98	15000.0	9.000	100.0	V	309.0	22.4
29.956	25.72	68.60	42.88	15000.0	9.000	100.0	V	71.0	22.7

Z-axis

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.537	36.15	72.01	35.86	15000.0	9.000	100.0	V	140.0	20.6
1.698	23.38	62.14	38.75	15000.0	9.000	100.0	V	110.0	20.7
13.110	23.63	68.60	44.97	15000.0	9.000	100.0	V	179.0	21.1
13.410	34.41	79.60	45.19	15000.0	9.000	100.0	V	154.0	21.1
13.560	69.77	124.00	54.23	15000.0	9.000	100.0	V	154.0	21.1
13.710	31.82	79.60	57.78	15000.0	9.000	100.0	V	56.0	21.1
14.010	22.75	79.60	56.85	15000.0	9.000	100.0	V	214.0	21.1
27.121	25.87	68.60	42.73	15000.0	9.000	100.0	V	186.0	22.4
29.936	24.55	68.60	44.05	15000.0	9.000	100.0	V	180.0	22.7

The result is calculated by adjusting the receiver reading with the correction factor.

Correction factor (dB) = Antenna factor (dB) + Cable loss (dB) + Attenuation (dB) + Pre-amp gain (dB)

Tabulated Result terms:

Field strength = QuasiPeak (dBμV/m)

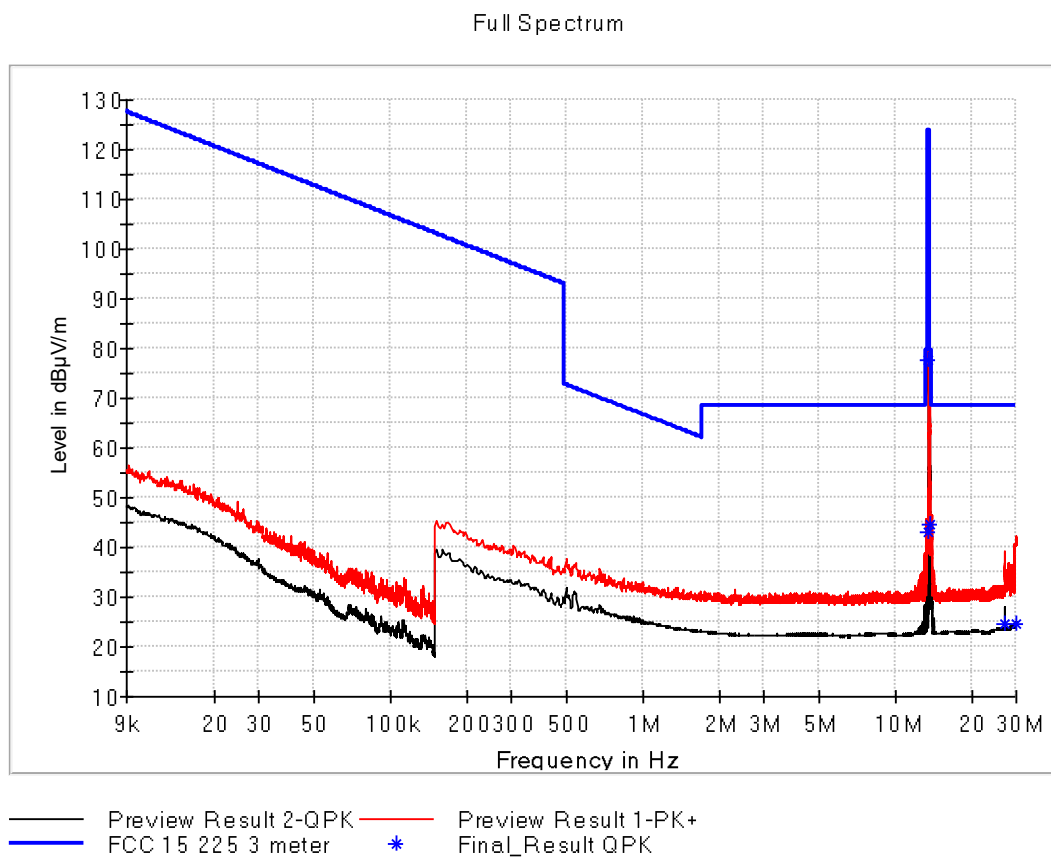
Correction factor = Corr. (dB)

Note: The test software state attenuation as a positive value and amplification as a negative value.

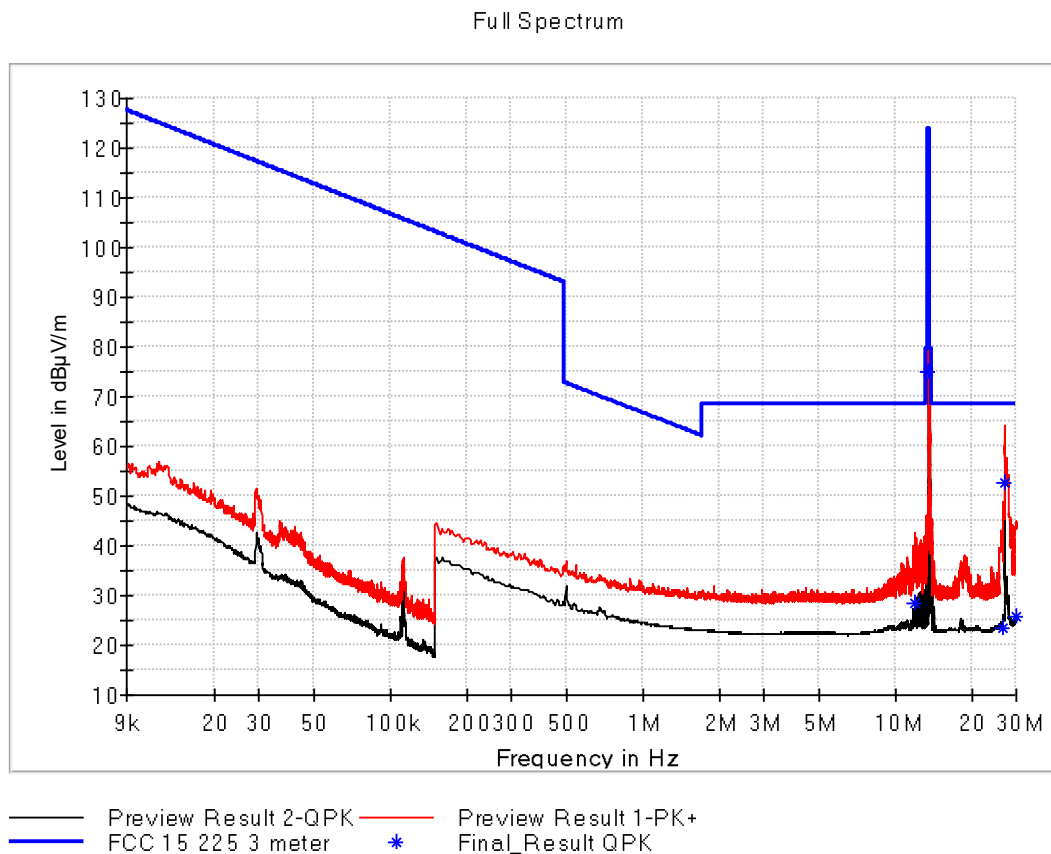
Sample calculation: 36.15 dBμV/m (field strength) = 15.55 dBμV (receiver reading) + 20.6 dB (Correction factor)

Graphical representation

X-axis

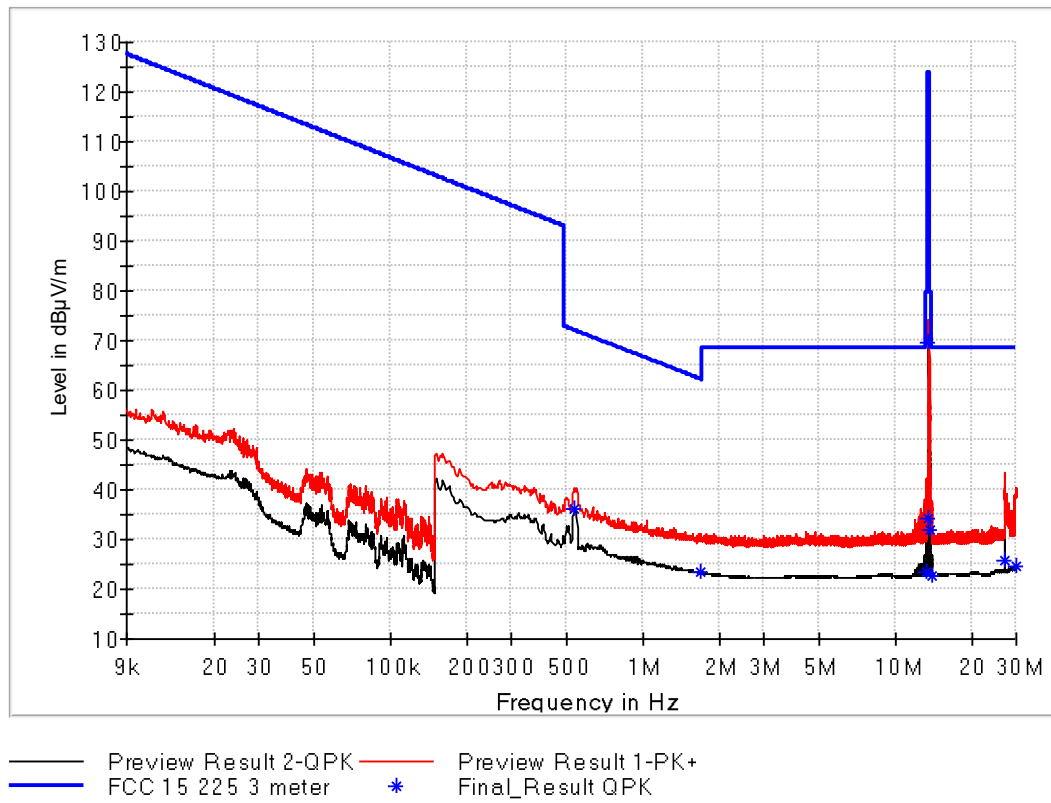


Y-axis



Z-axis

Full Spectrum



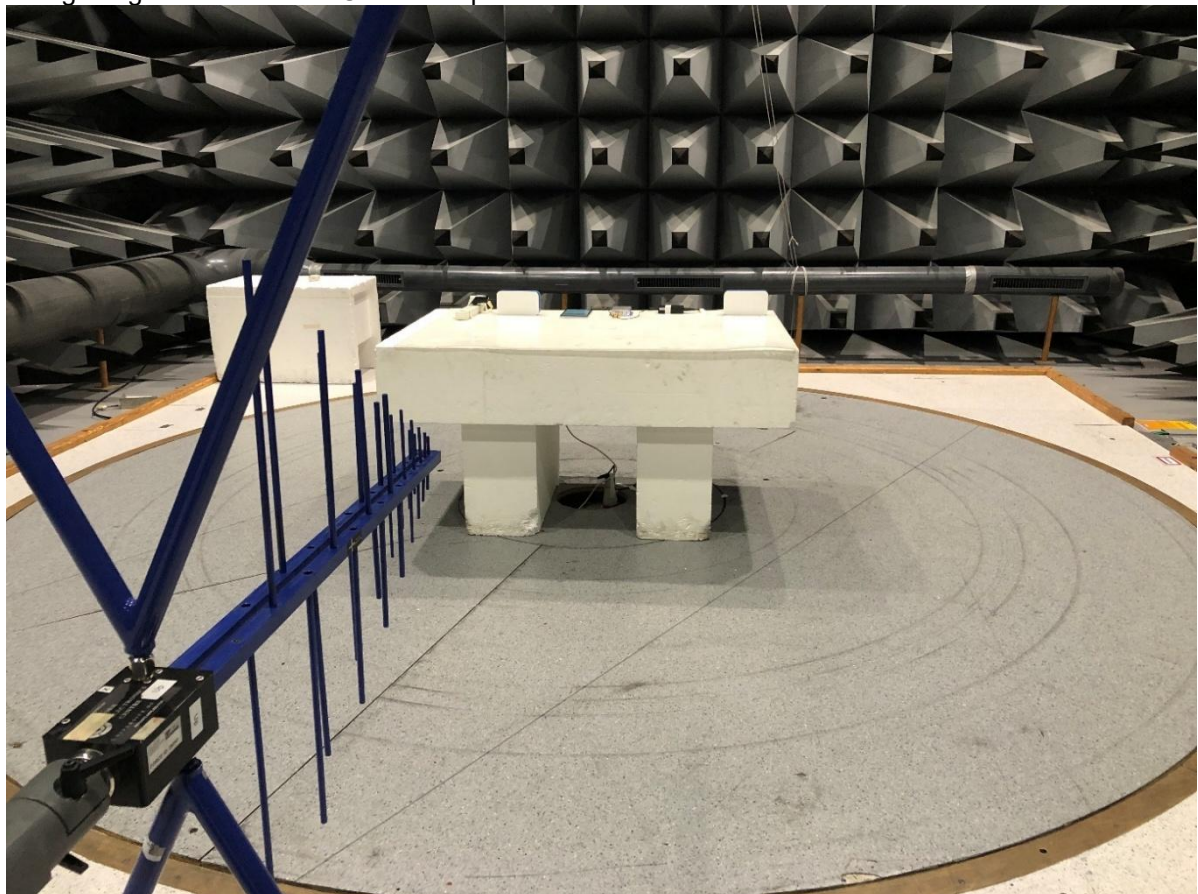
4.3 Measurement of radiated emission 30 - 1000 MHz

Name	Peter Wolf Frandsen
Date	2025-05-23
Rationale for verdict N/A	-

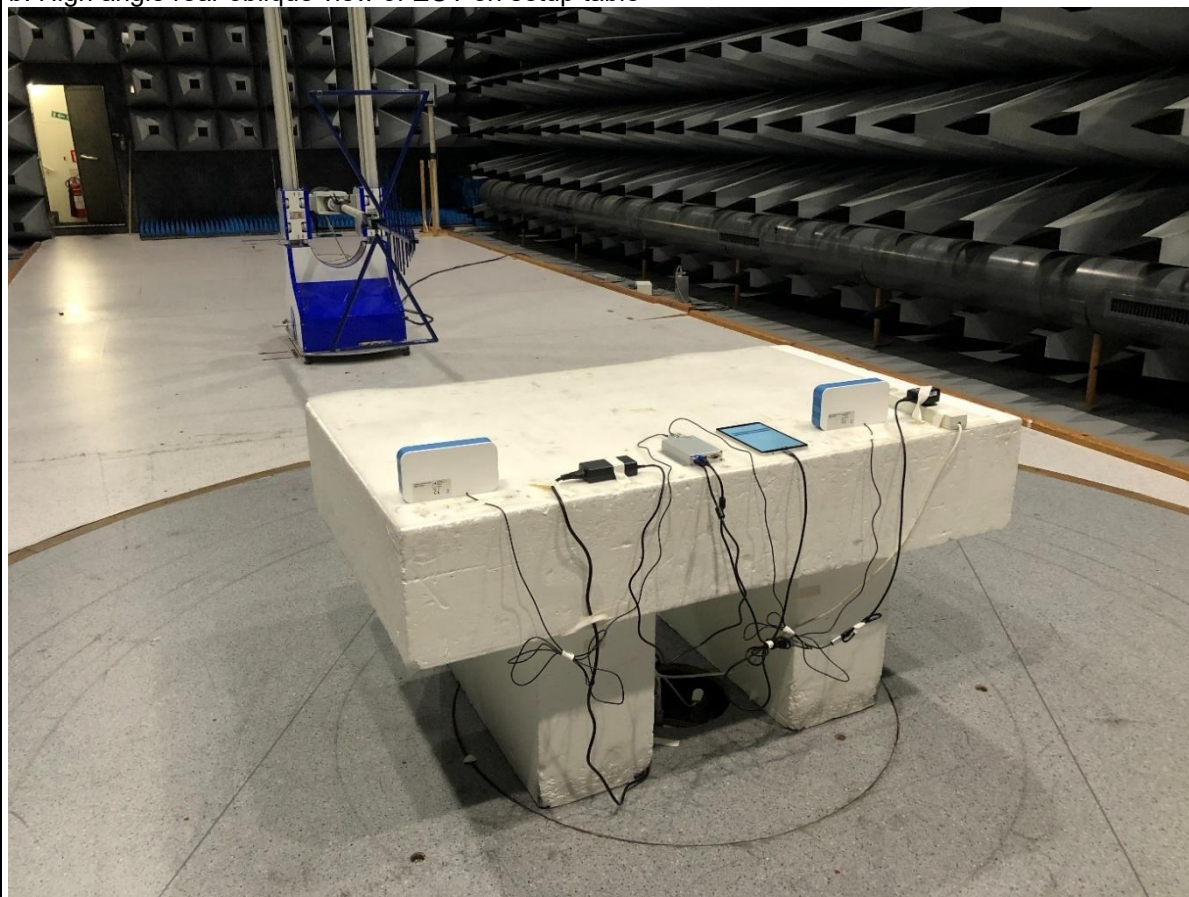
Test location (stand)	Hørsholm EMIRUM
Applied limit class	☒ Limit according to 47 CFR Part 15 C Subpart 15.209 and Subpart 15.225 ☐ Other:
Test setup description	☒ Equipment on a table 80 cm height ☐ Equipment on the floor (isolated from ground plane) ☐ Other (e.g., height of pallet):
Supplementary test setup description	-
Test method applied	☒ SAC with measurement distance [m]: 3 ☐ FAR with measurement distance [m]:
Supplementary information	Measurements were made in semi-anechoic chamber that complies to CISPR 16. Preliminary (peak) measurements. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements (quasi-peak detector below 1GHz) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.

Photo 4.3.1	Measurement of Radiated emission 30 - 1000 MHz
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a. High angle front view of EUT on setup table



b. High angle rear oblique view of EUT on setup table

**Test results for Radiated emission 30 - 1000 MHz**

Test item no(s) ref. cl. 1.2	1
Operating mode no(s) ref. cl. 1.7	1
Test setup no(s) ref. cl. 3.3	1

Tabulated Results summary

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
39.343	33.26	40.00	6.74	15000.0	120.000	100.0	V	210.0	20.3
88.118	29.26	43.50	14.24	15000.0	120.000	108.0	V	142.0	16.4
132.000	36.37	43.50	7.13	15000.0	120.000	100.0	V	167.0	20.7
135.284	33.11	43.50	10.39	15000.0	120.000	100.0	V	167.0	20.6
224.031	29.47	46.00	16.53	15000.0	120.000	160.0	H	-44.0	18.9
350.000	30.38	46.00	15.62	15000.0	120.000	108.0	H	186.0	24.2

The result is calculated by adjusting the receiver reading with the correction factor.

Correction factor (dB) = Antenna factor (dB) + Cable loss (dB) + Attenuation (dB) + Pre-amp gain (dB)

Tabulated Result terms:

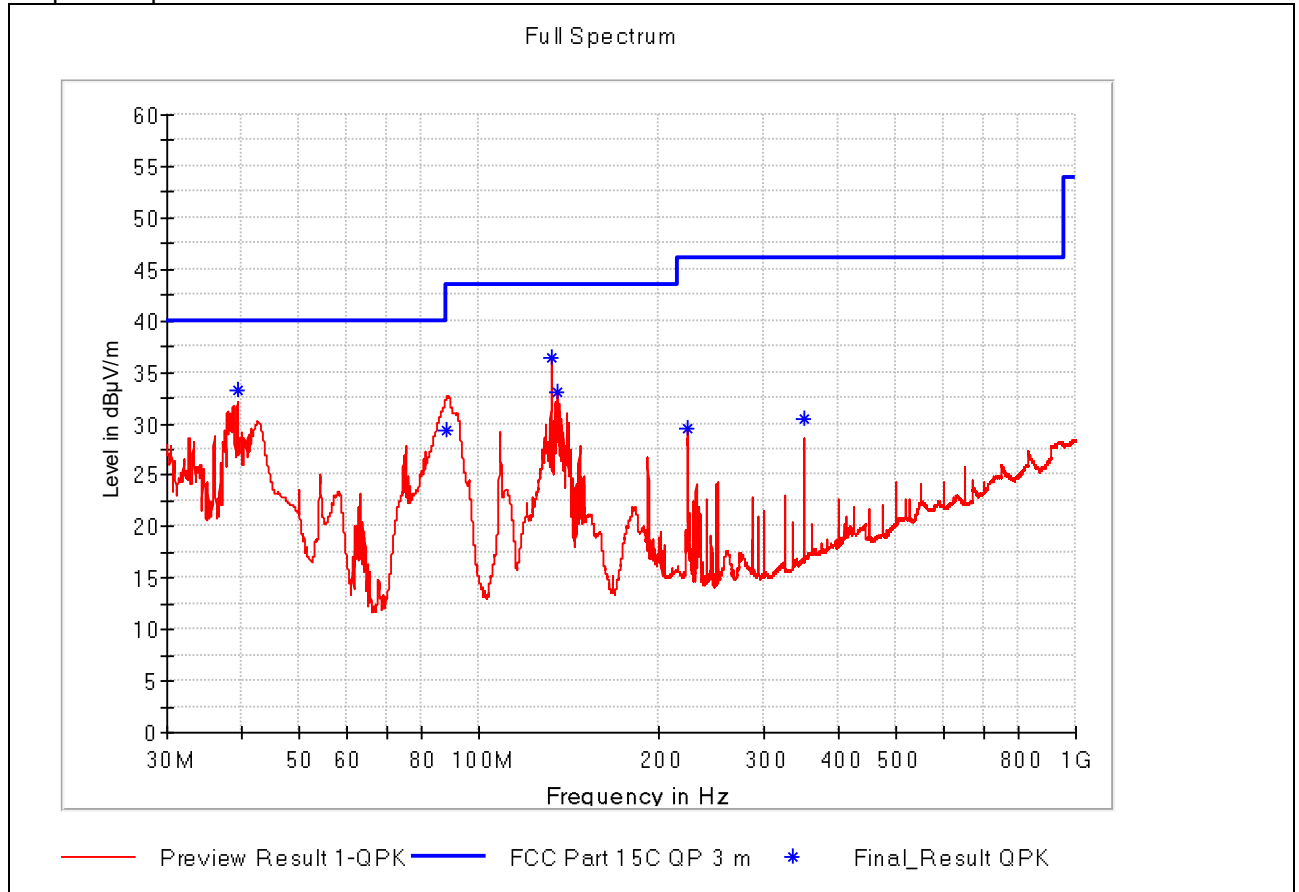
Field strength = QuasiPeak (dB μ V/m)

Correction factor = Corr. (dB)

Note: The test software state attenuation as a positive value and amplification as a negative value.

Sample calculation: 33.26 dB μ V/m (field strength) = 12.96 dB μ V (receiver reading) + 20.3 dB (Correction factor)

Graphical representation



4.4 Measurement of radiated emission above 1 GHz

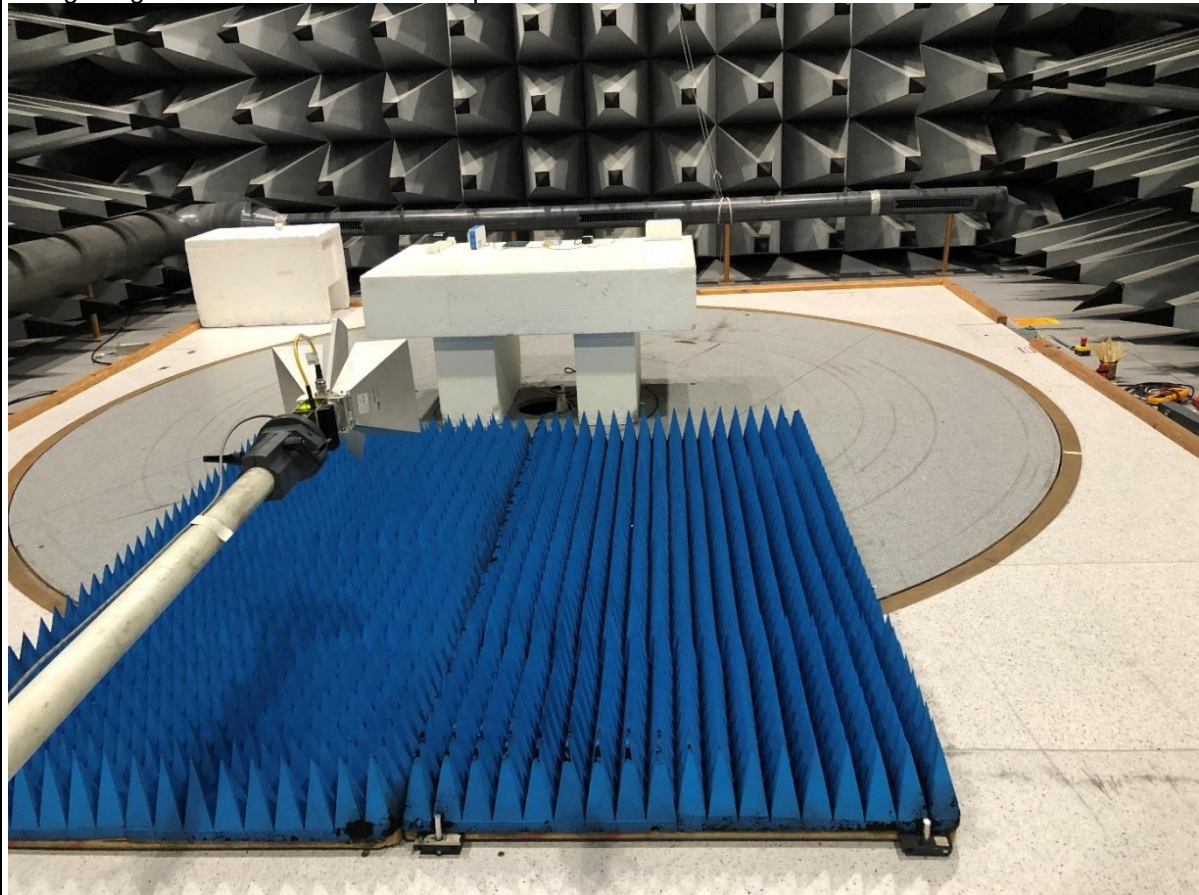
Name	Peter Wolf Frandsen
Date	2025-05-06
Rationale for verdict N/A	-

Test location (stand)	Hørsholm EMIRUM
Applied limit class or environment . :	☐ Class A according to applied standard
	☒ Class B according to applied standard
Test setup description	☒ Equipment on a table of 80 cm height
	☐ Equipment on the floor (insulated from ground plane)
	☐ Other:
Test method applied	☒ FAR or FSOATS CISPR 16-2-3 with measurement distance [m]: 3
Limit calculation	☐ The Class B limit have been extrapolated from 3 m to 10 m with the following equation: $\text{Limit}_2 = \text{Limit}_1 + 20 * \text{Log}(D_1/D_2)$ Calculation example (above 960 MHz): $54 + -10.5 = 43.5 \text{ dB}\mu\text{V/m}$ This is done according to FCC Part 15.31
	☐ The Class A limit have been extrapolated from 10 m to 3 m with the following equation: $\text{Limit}_2 = \text{Limit}_1 + 20 * \text{Log}(D_1/D_2)$ Calculation example (above 960 MHz): $49.5 + 10.5 = 60 \text{ dB}\mu\text{V/m}$ This is done according to FCC Part 15.31

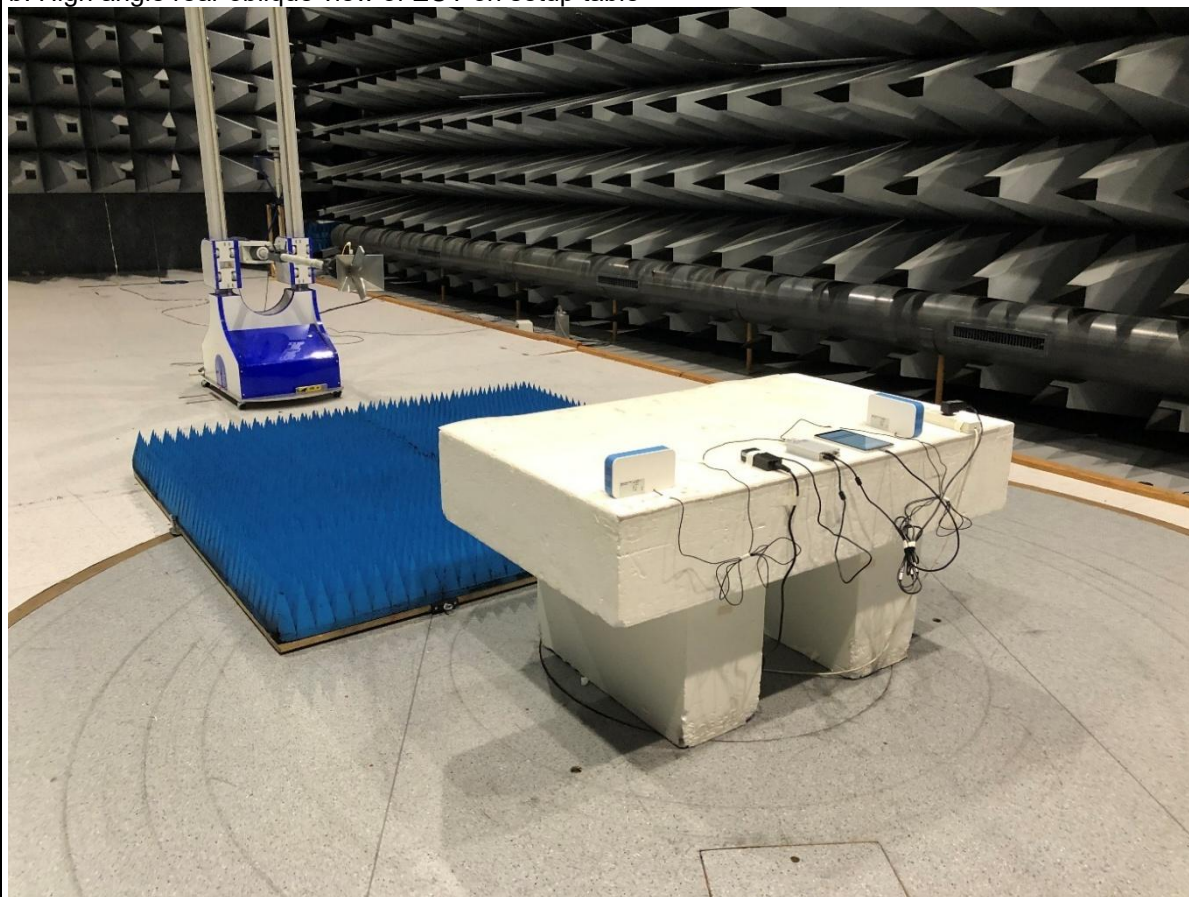
Supplementary test setup description for FAR or FSOATS....:	Measurements were made in FAR Site that complies to CISPR 16. Preliminary (peak and average) measurements. The Test item was rotated 360°, spaced by 15°, with the receive antenna located in horizontal and vertical polarities. Final measurements (peak and average detector above 1 GHz) were then performed by rotating the Test item 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, and antenna tilting, where applicable.
Supplementary information	• If the highest internal frequency of the Test item is less than 108 MHz, the measurement shall only be made up to 1 GHz. • If the highest internal frequency of the Test item is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz. • If the highest internal frequency of the Test item is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz. • If the highest internal frequency of the Test item is above 1 GHz, the measurement shall be made up to 5th harmonic of the highest frequency or 40 GHz, whichever is lower.

Photo 4.4.1: Measurement of Radiated emission above 1 GHz

a. High angle front view of EUT on setup table



b. High angle rear oblique view of EUT on setup table

**Test results for Radiated emission 30 - 1000 MHz**

Test item no(s) ref. cl. 1.2	1
Operating mode no(s) ref. cl. 1.7 :	1
Test setup no(s) ref. cl. 3.3	1

Tabulated results summary

Frequency (MHz)	MaxPeak (dBμV/m)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Band width (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1250.000	---	24.00	53.90	29.90	15000.0	1000.0	100.0	H	165.0	-1.8
1724.750	38.94	---	73.90	34.96	15000.0	1000.0	100.0	H	150.0	0.9
2075.000	---	27.13	53.90	26.77	15000.0	1000.0	100.0	H	210.0	3.1
3680.000	44.23	---	73.90	29.67	15000.0	1000.0	100.0	V	330.0	9.1
4227.500	44.27	---	73.90	29.63	15000.0	1000.0	100.0	H	30.0	10.9
4889.250	---	31.84	53.90	22.06	15000.0	1000.0	100.0	H	240.0	12.9

The result is calculated by adjusting the receiver reading with the correction factor.

Correction factor (dB) = Antenna factor (dB) + Cable loss (dB) + Attenuation (dB) + Pre-amp gain (dB)

Tabulated Result terms:

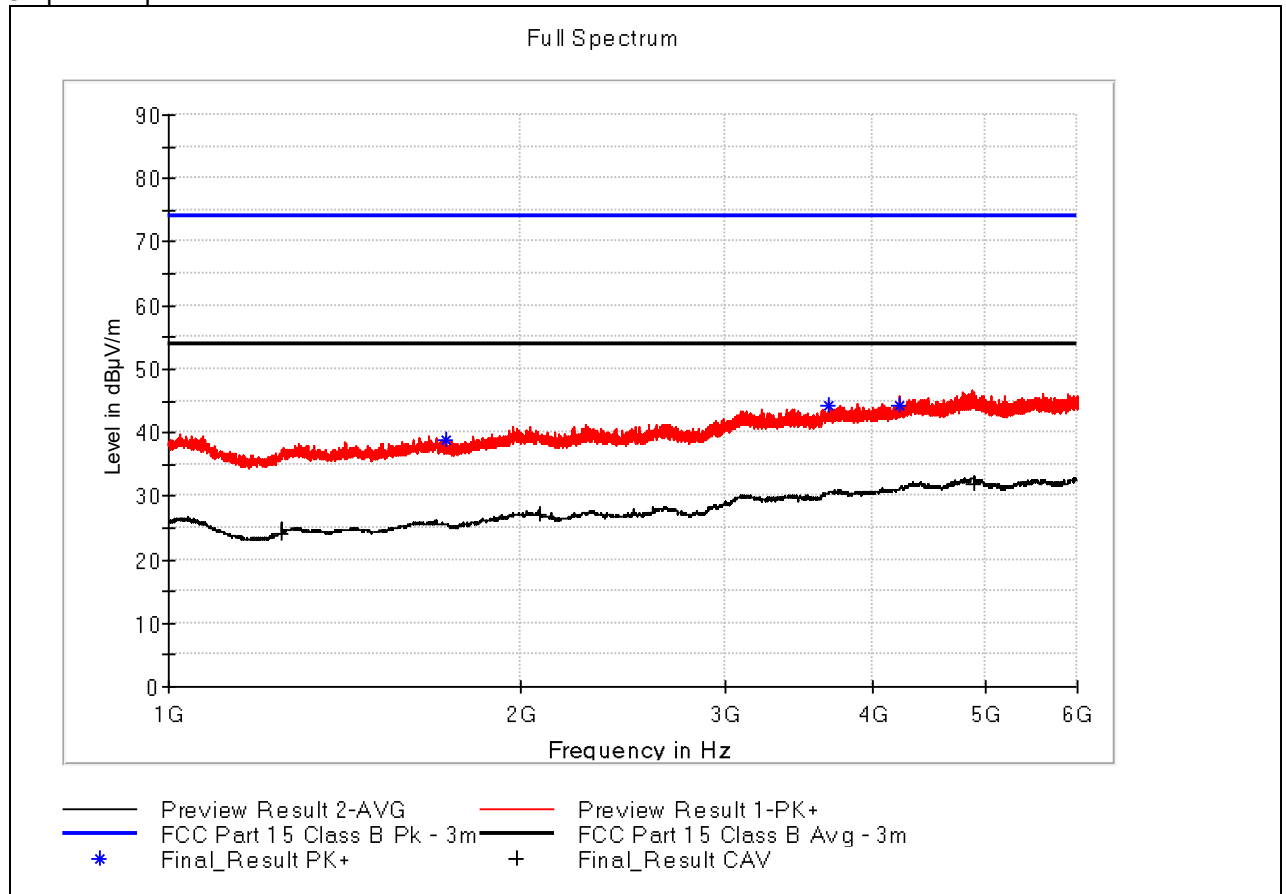
Field strength = MaxPeak (dBμV/m) and CAverage (dBμV/m)

Correction factor = Corr. (dB)

Note: The test software state attenuation as a positive value and amplification as a negative value.

Sample calculation: 31.84 dBμV/m (field strength) = 18.94 dBμV (receiver reading) + 12.9 dB (Correction factor)

Graphical representation



4.5 Measurement of frequency stability

Name	Peter Wolf Frandsen
Date	2025-06-03 and 2025-06-10
Rationale for verdict N/A	-

Test location (stand)	Hørsholm EMCUM4, SRD setup and climate chamber
Applied limit	☒ ± 0.01 % of the operating frequency according to 47 CFR Part 15.225.
	☐ Other:
Test setup description	☒ EUT place inside an environmental temperature chamber.
	☐ Relative Loop antenna measurement, distance < 10 cm.
	☒ Other (e.g., height of pallet): Measured on antenna connector
Supplementary test setup description	The frequency tolerance of the carrier signal shall be maintained within ± 0.01 % of the operating frequency over a temperature variation of -20 degrees to + 50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85 % to 115 % of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.
Test method applied	☒ 6.8.1 Frequency stability with respect to ambient
	☒ 6.8.2 Frequency stability when varying supply voltage
	☐ Other:
Supplementary information	Ambient room temperature (+15 °C to +25 °C). EUT is switched OFF during temperature stabilization.

Photo 4.5.1	Measurement of frequency stability when varying supply voltage
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Photo 4.5.2: Measurement of frequency stability with respect to ambient

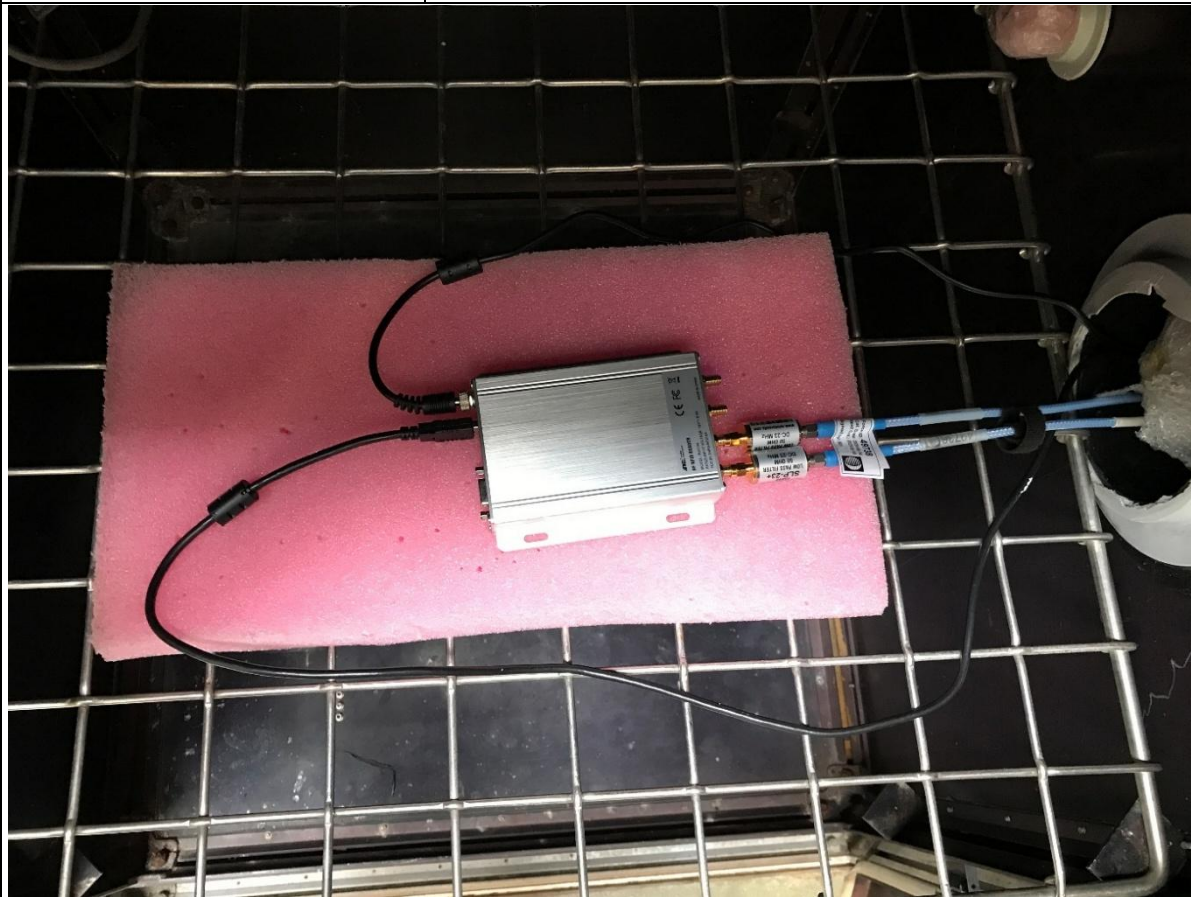


Photo 4.5.3: Measurement of frequency stability with respect to ambient



Test results for frequency stability	
Test item no(s) ref. cl. 1.2	1
Operating mode no(s) ref. cl. 1.7 :	1
Test setup no(s) ref. cl. 3.3	2

Tabulated Results summary

Port 1				
Operating frequency Measurement [MHz]	Frequency Drift [kHz]	Limit [kHz] Note 1	Temperature [°C]	Remarks
13.560538	0.058	±1.356	+50	Passed
13.560563	0.033	±1.356	+40	Passed
13.560587	0.009	±1.356	+30	Passed
13.560596	Reference Freq.	-	Ambient	Passed
13.560644	-0.048	±1.356	+10	Passed
13.560663	-0.067	±1.356	0	Passed
13.560654	-0.058	±1.356	-10	Passed
13.560629	-0.033	±1.356	-20	Passed
Note 1: The limit is ±0.01% of the operating frequency. Limit= ±0.0001*13.559434 MHz ~ ±1.356 kHz				
Operating frequency Measurement [MHz]	Frequency Drift [kHz]	Limit [kHz] Note 1	Supply voltage [VAC]	Remarks
13.560591	0	±1.356	102 V, 60 Hz	Passed
13.560591	Reference Freq.	-	120 V, 60 Hz	Passed
13.560587	0.004	±1.356	138 V, 60 Hz	Passed
Note 1: The limit is ±0.01 % of the operating frequency. Limit= ±0.0001*13.559434 MHz ~ ±1.356 kHz				

Port 2				
Operating frequency Measurement [MHz]	Frequency Drift [kHz]	Limit [kHz] Note 1	Temperature [°C]	Remarks
13.560538	0.058	±1.356	+50	Passed
13.560558	0.038	±1.356	+40	Passed
13.560591	0.005	±1.356	+30	Passed
13.560596	Reference Freq.	-	Ambient	Passed
13.560639	-0.043	±1.356	+10	Passed
13.560663	-0.067	±1.356	0	Passed
13.560659	-0.063	±1.356	-10	Passed
13.560611	-0.015	±1.356	-20	Passed

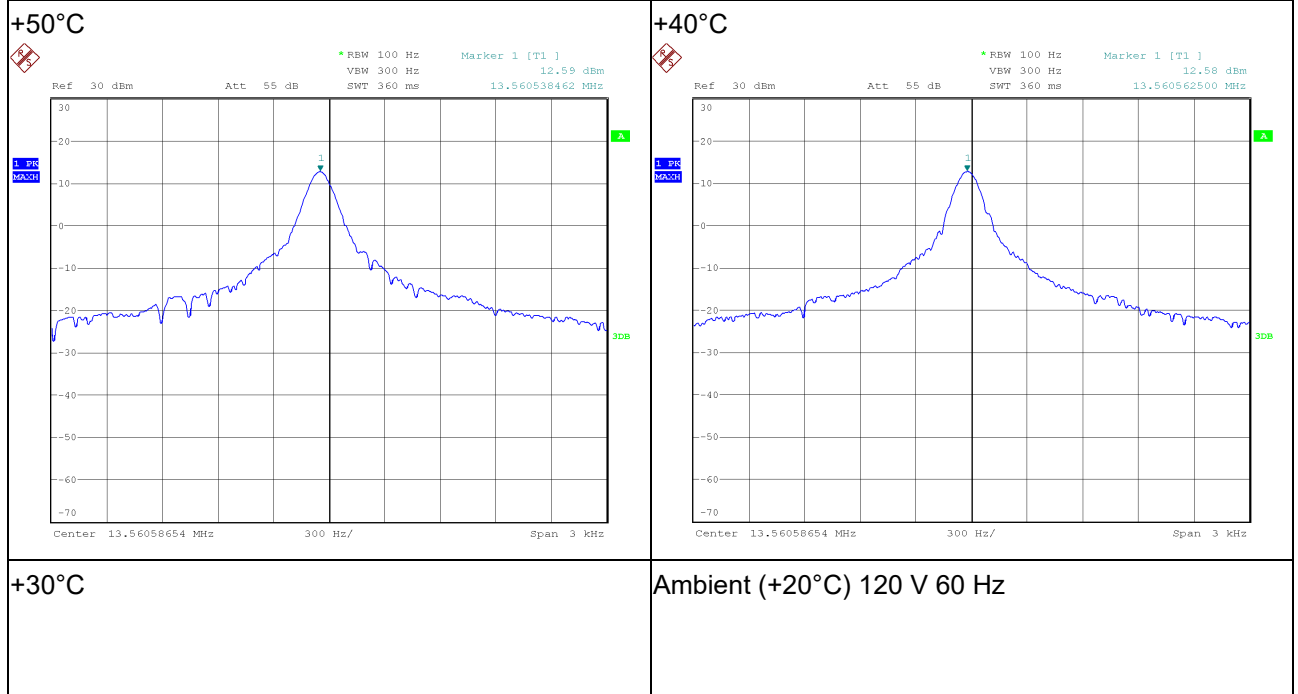
Note 1: The limit is ±0.01% of the operating frequency. Limit= ±0.0001*13.559434 MHz ~ ±1.356 kHz

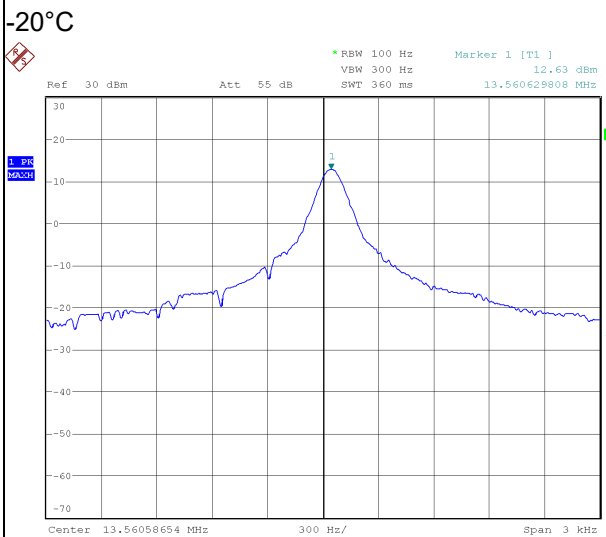
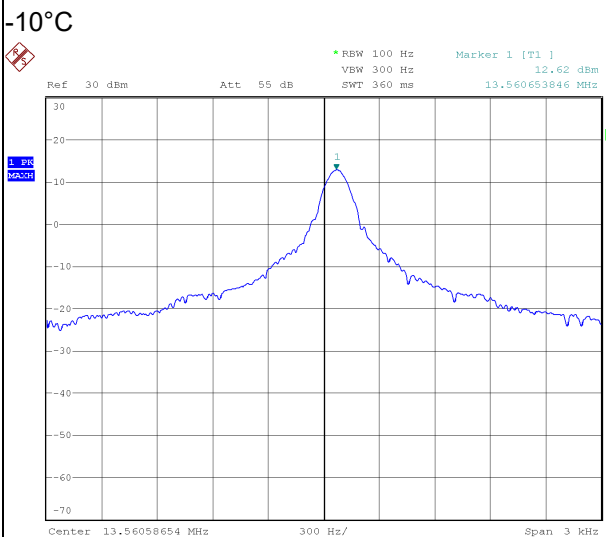
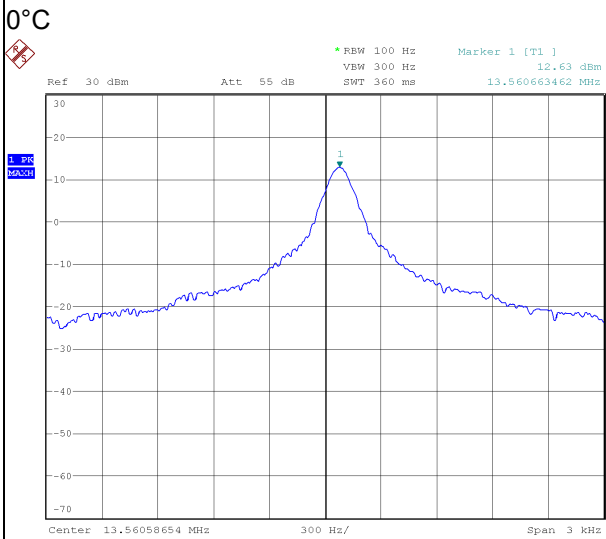
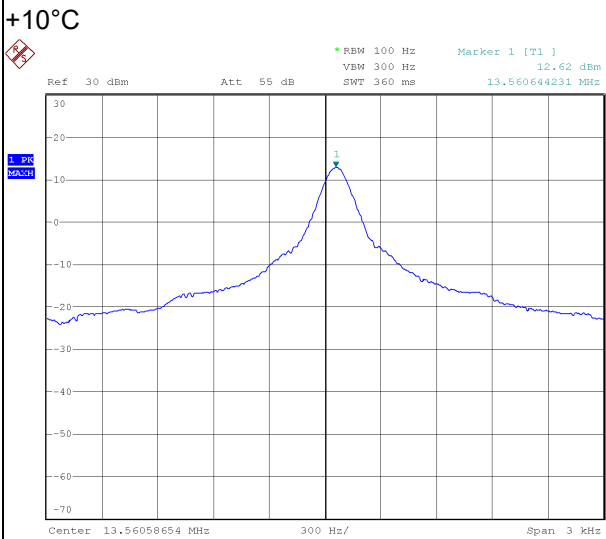
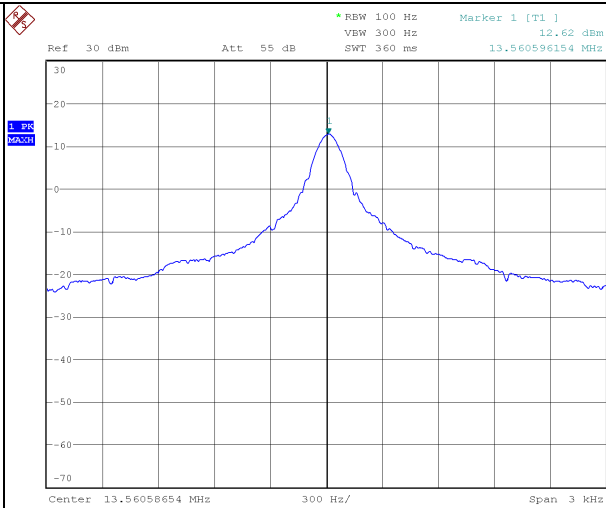
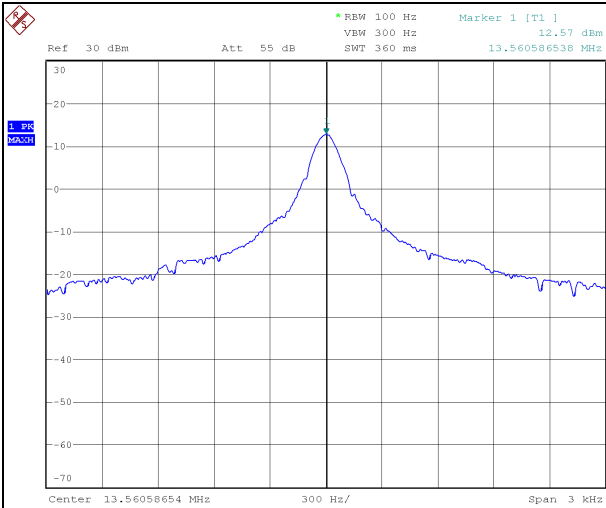
Operating frequency Measurement [MHz]	Frequency Drift [kHz]	Limit [kHz] Note 1	Supply voltage [VAC]	Remarks
13.560587	0	±1.356	102 V, 60 Hz	Passed
13.560587	Reference Freq.	-	120 V, 60 Hz	Passed
13.560587	0	±1.356	138 V, 60 Hz	Passed

Note 1: The limit is ±0.01 % of the operating frequency. Limit= ±0.0001*13.559434 MHz ~ ±1.356 kHz

Graphical representation

Frequency stability with respect to ambient temperature Port 1

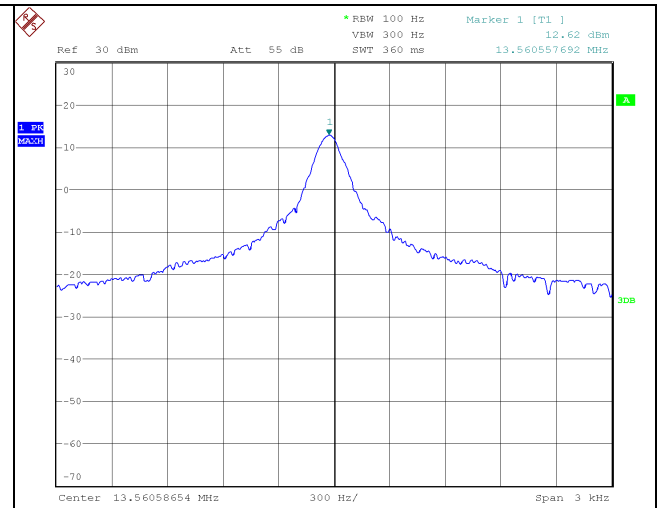
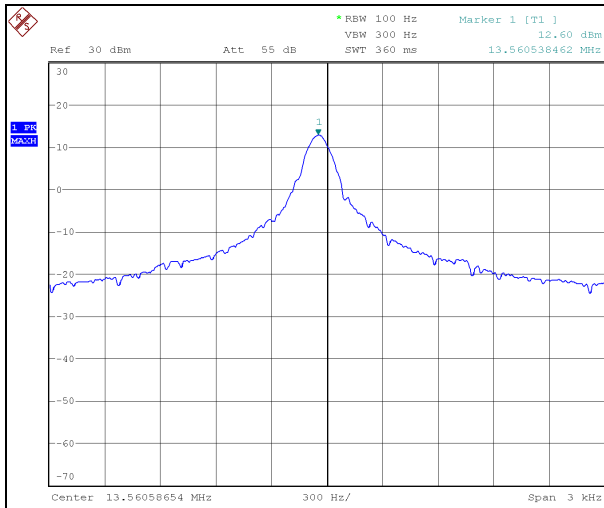




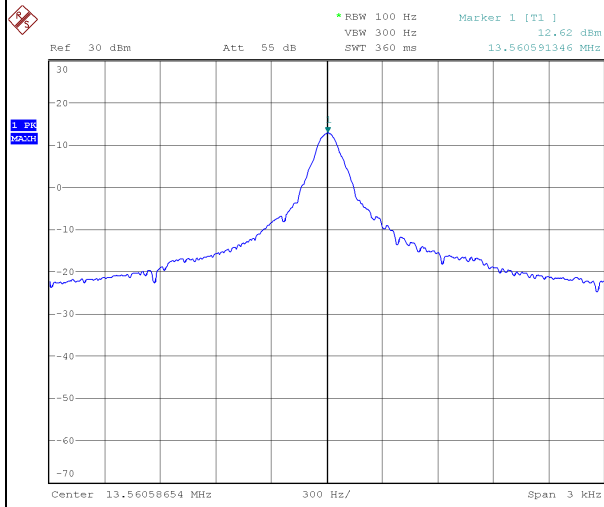
Frequency stability with respect to ambient temperature Port 2

+50°C

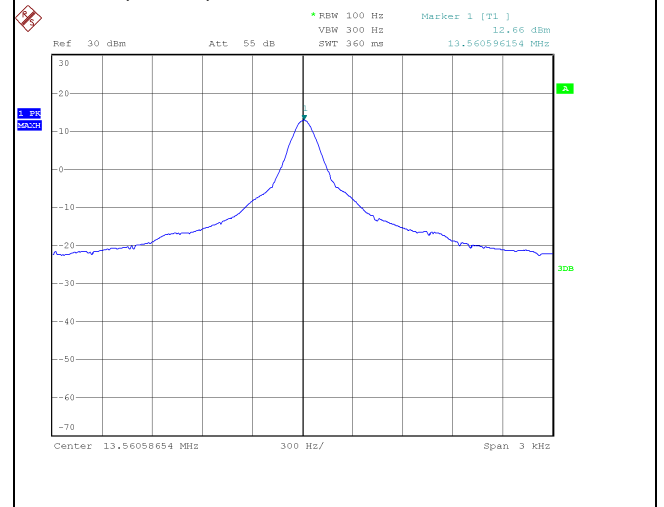
+40°C



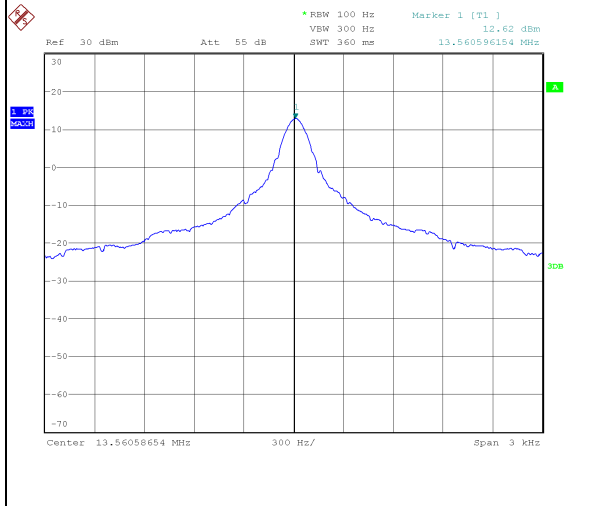
+30°C



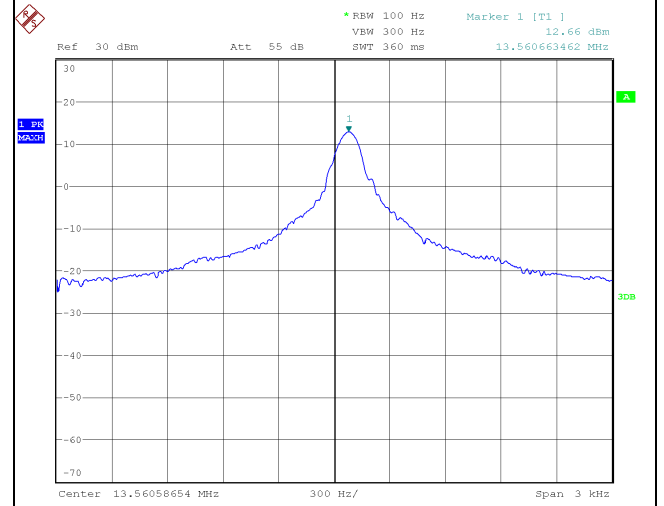
Ambient (+20°C) 120 V 60 Hz



+10°C

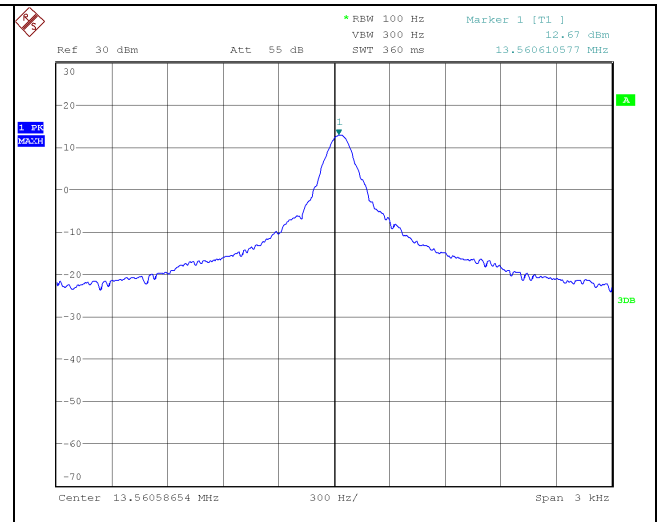
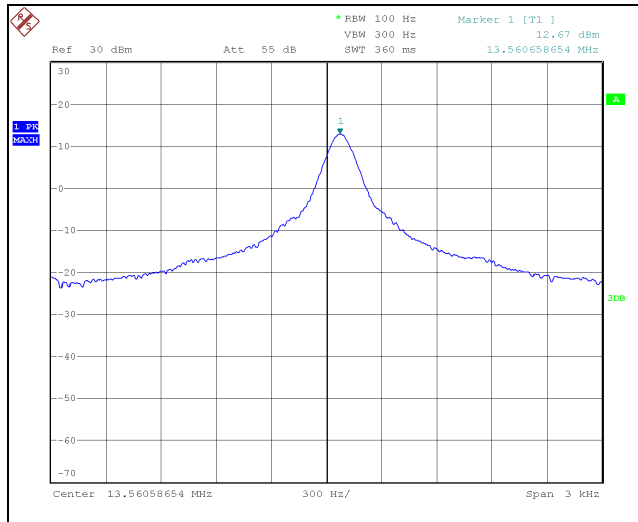


0°C

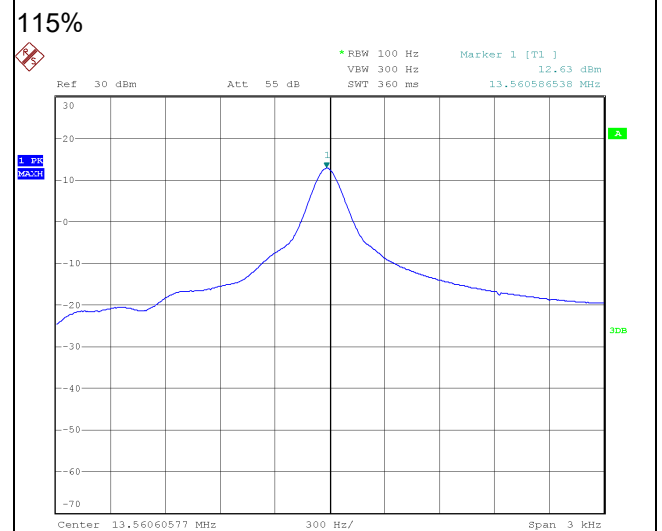
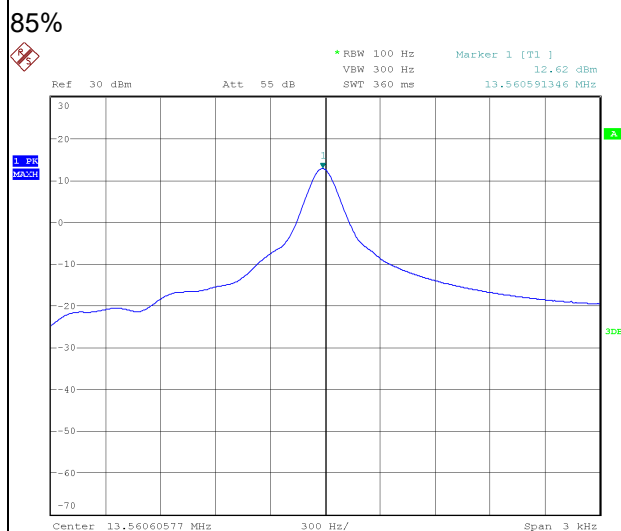


-10°C

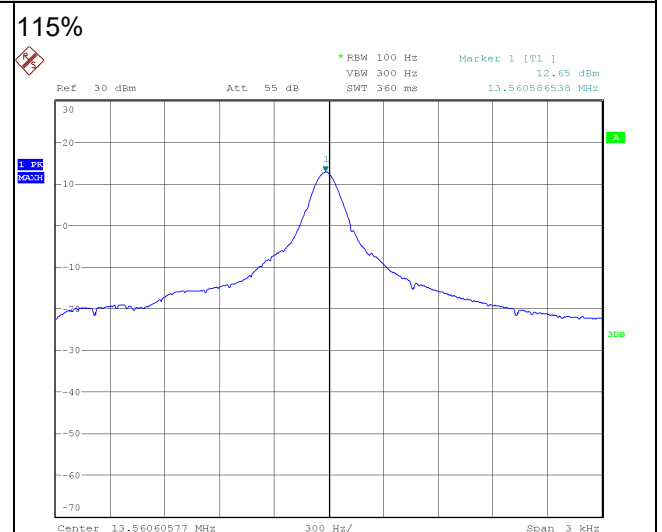
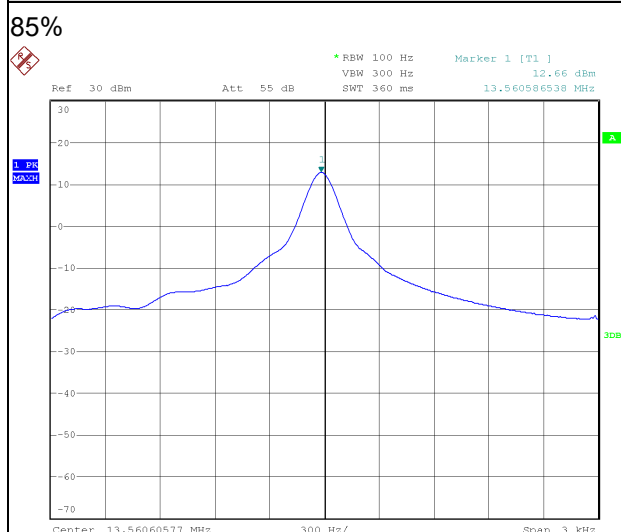
-20°C



Frequency stability when varying supply voltage port 1



Frequency stability when varying supply voltage port 2



4.6 Measurement of occupied bandwidth

Name	Peter Wolf Frandsen
Date	2025-06-03
Rationale for verdict N/A	-

Test location (stand)	Hørsholm EMCUM4 and SRD setup
Applied limit	☐ 6 dB bandwidth
	☒ 20 dB bandwidth according to 47 CFR Part 15.215(c)
	☐ 26 dB bandwidth
	☒ 99 % emission bandwidth according to 47 CFR Part 15.215(c)
Test setup description	☐ Relative Loop antenna measurement, distance < 10 cm.
	☒ Other: Antenna connector measurement
Supplementary test setup description	A spectrum analyzer was used for the measurements, the video bandwidth was set to a value at least three times greater than the IF bandwidth of the measuring instrument to avoid the introduction of unwanted amplitude smoothing. Video filtering is not used during occupied bandwidth tests.
Test method applied	☒ 6.9.2 Occupied bandwidth—relative measurement procedure
	☒ 6.9.3 Occupied bandwidth—power bandwidth (99 %) measurement procedure
	☐ Other:-
Supplementary information	-

Photo 4.6.1	Measurement of occupied bandwidth
-------------------	-----------------------------------



Test results for occupied bandwidth	
Test item no(s) ref. cl. 1.2	1
Operating mode no(s) ref. cl. 1.7 :	1
Test setup no(s) ref. cl. 3.3	2

Tabulated Results summary

Port 1				
Operating frequency [MHz]	Low frequency [MHz]	High frequency [MHz]	20 dB bandwidth (20 dBc) [kHz]	Remarks
13.560587	13.560308	13.560865	0.557	Passed
Note 1: None				

Port 2				
Operating frequency [MHz]	Low frequency [MHz]	High frequency [MHz]	20 dB bandwidth (20 dBc) [kHz]	Remarks
13.560587	13.560302	13.560856	0.554	Passed
Note 1: None				

Port 1					
Operating frequency [MHz]	Power (99 % BW) [dBm]	Low frequency [MHz]	High frequency [MHz]	Power bandwidth (99 %) [kHz]	Remarks
13.560587	32.63	13.559938	13.561111	1.173	Passed
Note 1: None					

Port 2					
Operating frequency [MHz]	Power (99 % BW) [dBm]	Low frequency [MHz]	High frequency [MHz]	Power bandwidth (99 %) [kHz]	Remarks
13.560587	32.59	13.560063	13.561322	1.2596	Passed

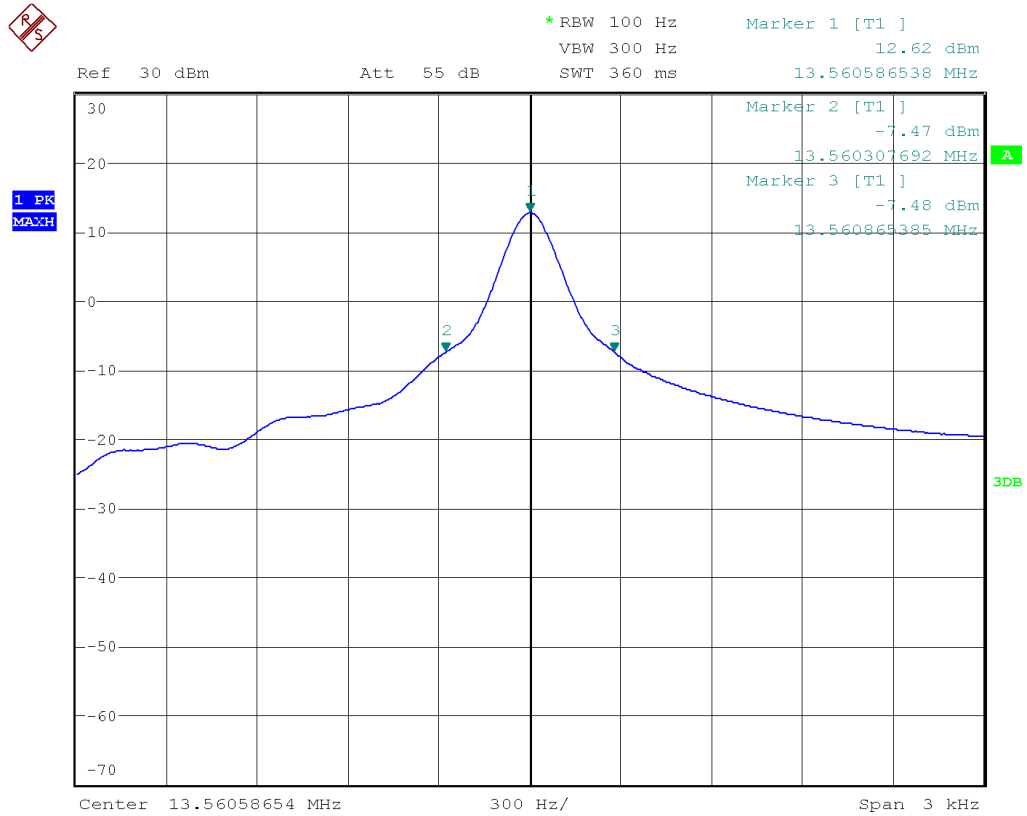
Note 1:

The RF input signal caused overload of the measurement receiver, exceeding its linear dynamic range. A 20 dB attenuator was inserted to ensure linear operation.

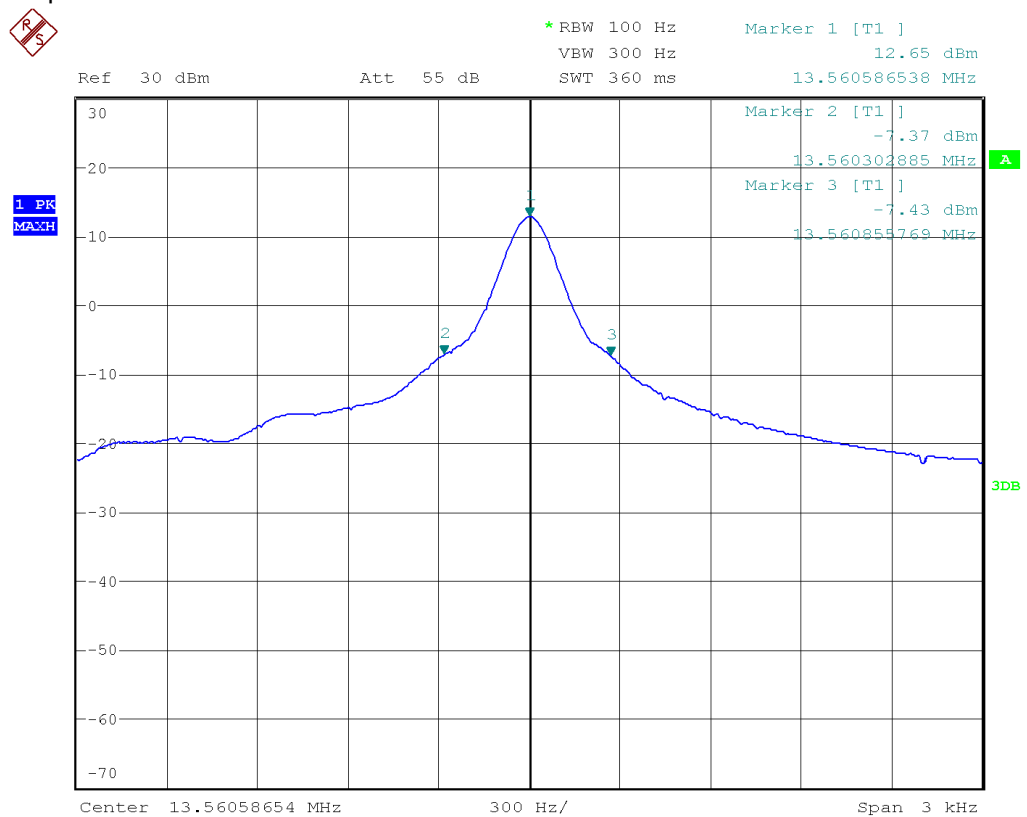
The measured power levels in Plot 3 and Plot 4 are therefore reduced by 20 dB. A correction of +20 dB has been applied to compensate, restoring the values to the actual RF power at the measurement reference plane.

Graphical representation

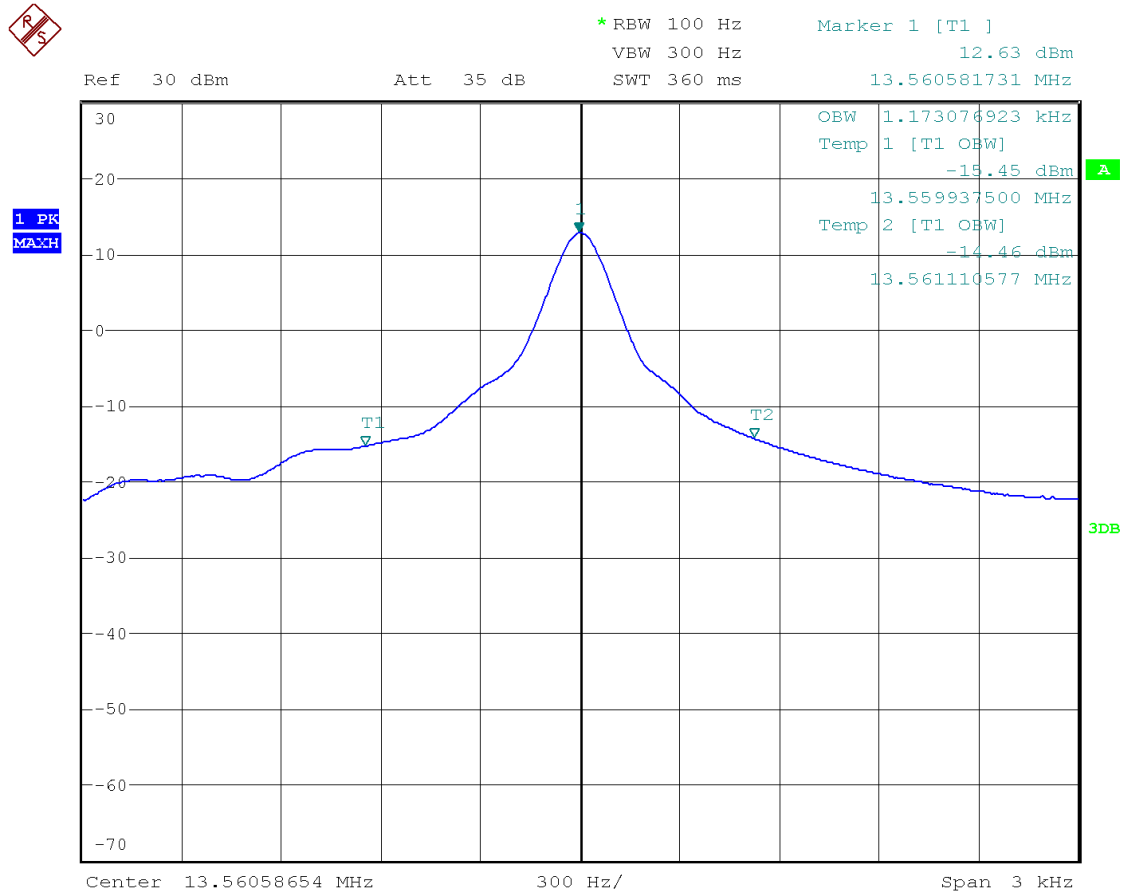
Plot 1 - 20 dB port 1



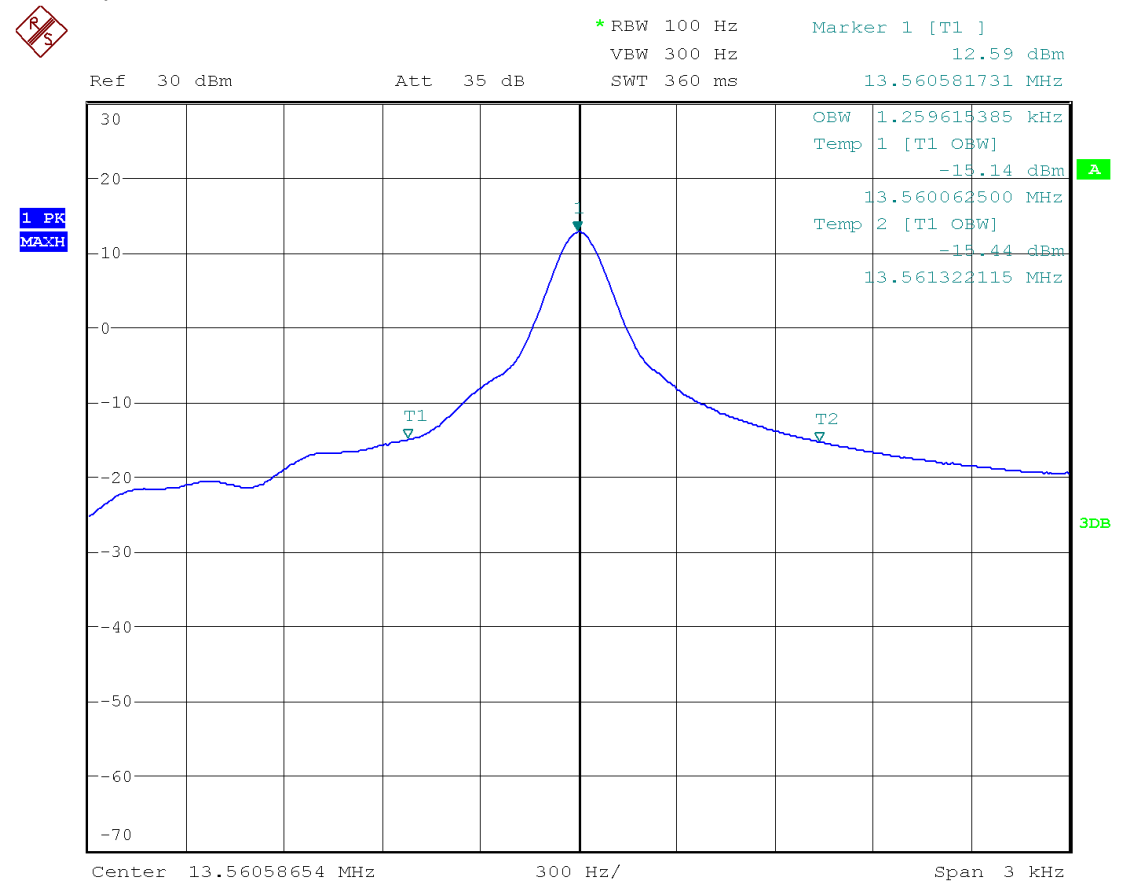
Plot 2 - 20 dB port 2



Plot 3 - 99 % port 1



Plot 4 - 99 % port 2



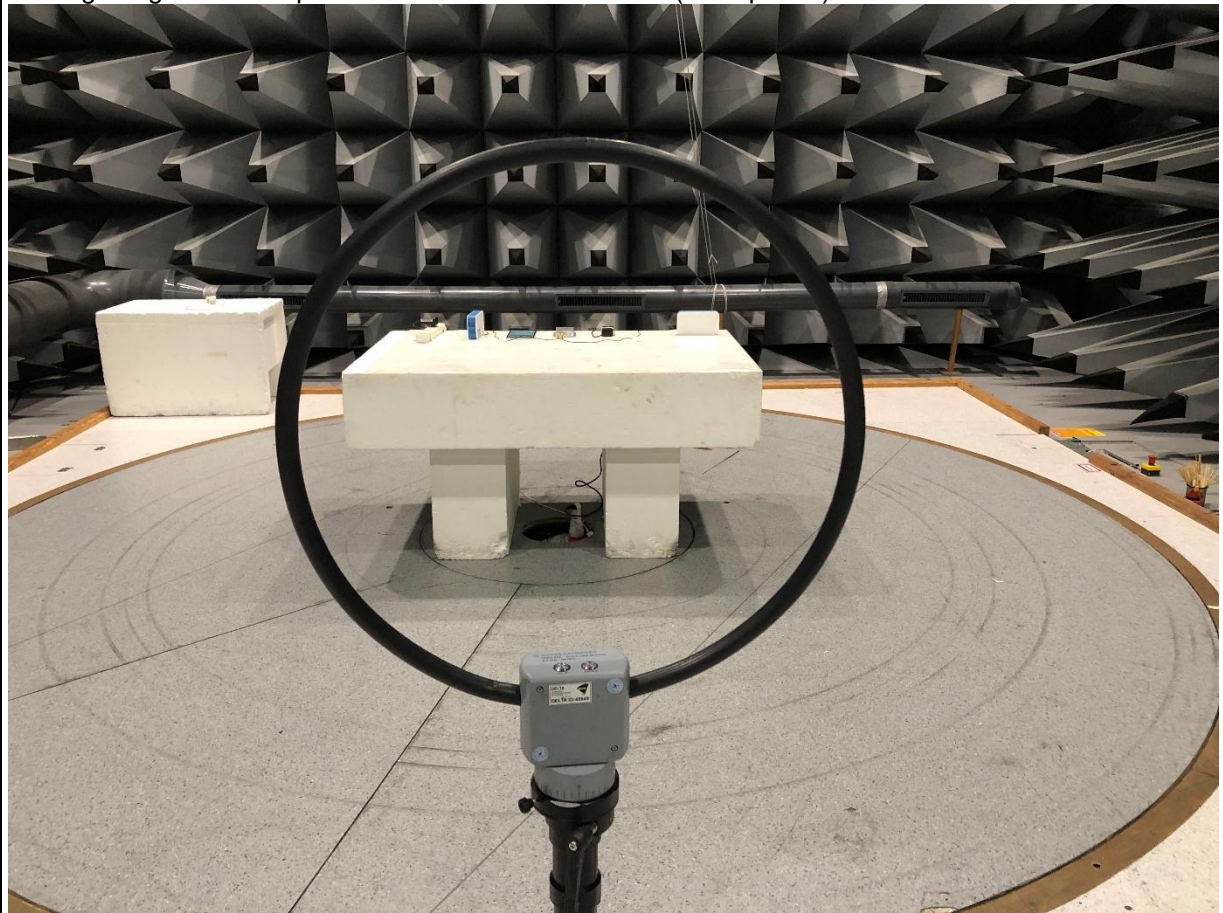
4.7 Measurement of band edge

Name	Peter Wolf Frandsen
Date	2025-05-23
Rationale for verdict N/A	-

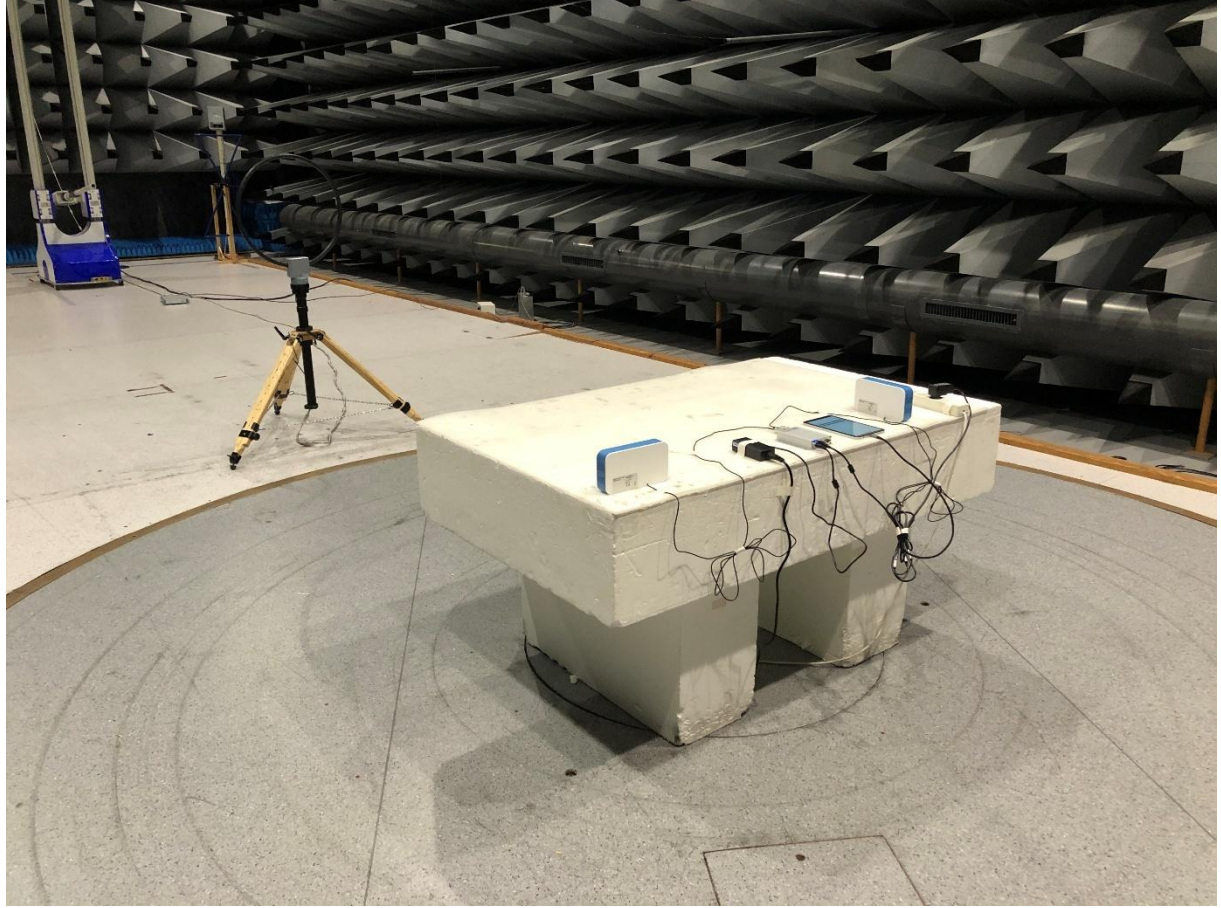
Test location (stand)	Hørsholm EMIRUM
Applied limit class	☒ Band edges according to 47 CFR Part 15.209 & 15.225.
	☐ Other:
Test setup description	☒ Equipment on a table 80 cm height
	☐ Equipment on the floor (isolated from ground plane)
	☐ Other:
Supplementary test setup description	Radiated measurement
Test method applied	☒ 6.10.5 Restricted-band band-edge measurements
	☐ 6.10.6 Marker-delta method
	☐ Other:
Supplementary information	-

Photo 4.7.1: Measurement of band edge

a. High angle rear oblique view of EUT antenna axis X (max. power)



b. High angle rear oblique view of EUT antenna axis X (max. power)

**Test results for band edge**

Test item no(s) ref. cl. 1.2	1
Operating mode no(s) ref. cl. 1.7 :	1
Test setup no(s) ref. cl. 3.3	1

Tabulated Results summary

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
13.110	23.46	68.60	45.14	15000.0	9.000	100.0	V	250.0	21.1
13.410	39.41	79.60	42.01	15000.0	9.000	100.0	V	243.0	21.1
13.560	76.92	124.00	48.97	15000.0	9.000	100.0	V	251.0	21.1
13.710	41.48	79.60	40.99	15000.0	9.000	100.0	V	249.0	21.1
14.010	24.97	68.60	54.63	15000.0	9.000	100.0	V	148.0	21.1

The result is calculated by adjusting the receiver reading with the correction factor.

Correction factor (dB) = Antenna factor (dB) + Cable loss (dB) + Attenuation (dB) + Pre-amp gain (dB)

Tabulated Result terms:

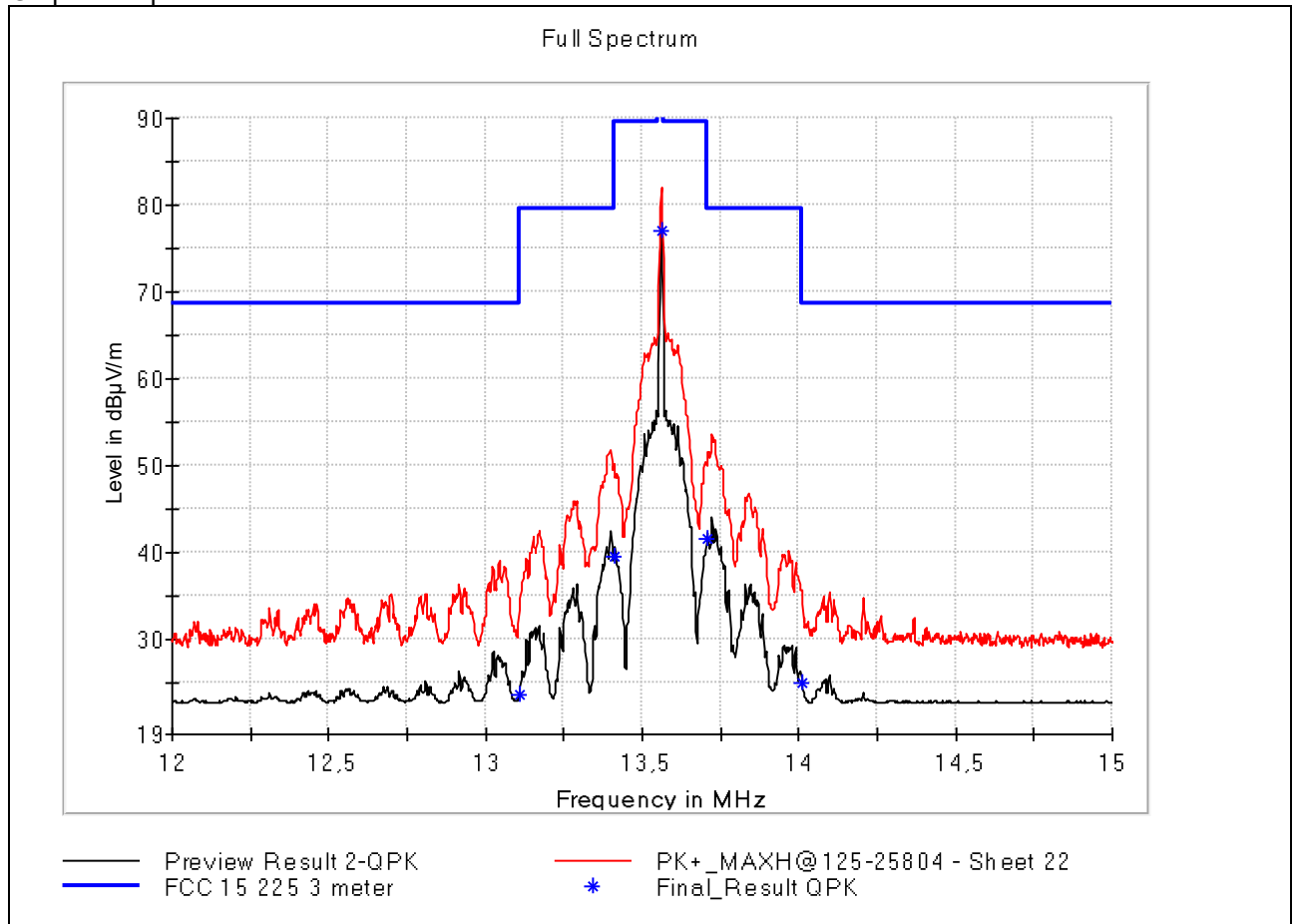
Field strength = QuasiPeak (dBμV/m)

Correction factor = Corr. (dB)

Note: The test software state attenuation as a positive value and amplification as a negative value.

Sample calculation: 76.92 dBμV/m (field strength) = 55.82 dBμV (receiver reading) + 21.1 dB (Correction factor)

Graphical representation



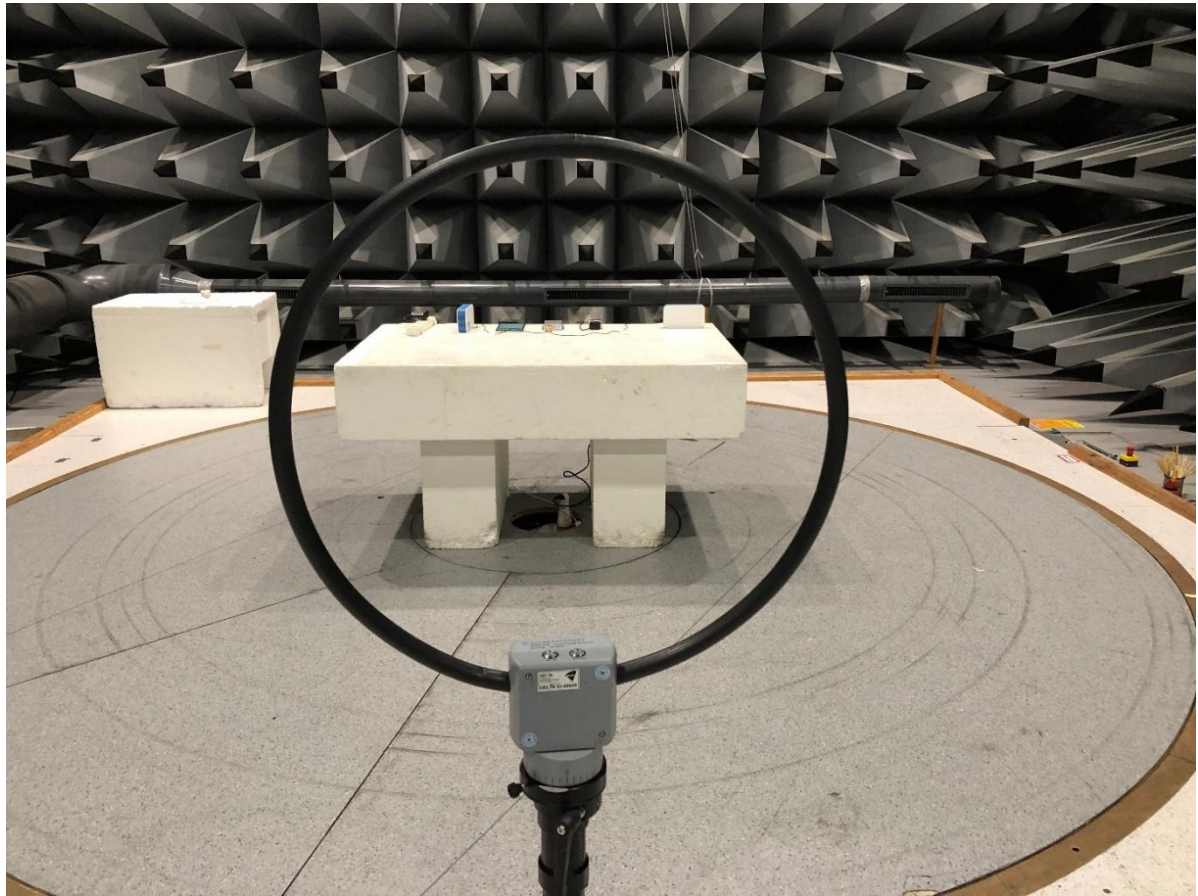
4.8 Measurement of field strength of fundamental

Name	Peter Wolf Frandsen
Date	2025-05-23
Rationale for verdict N/A	-

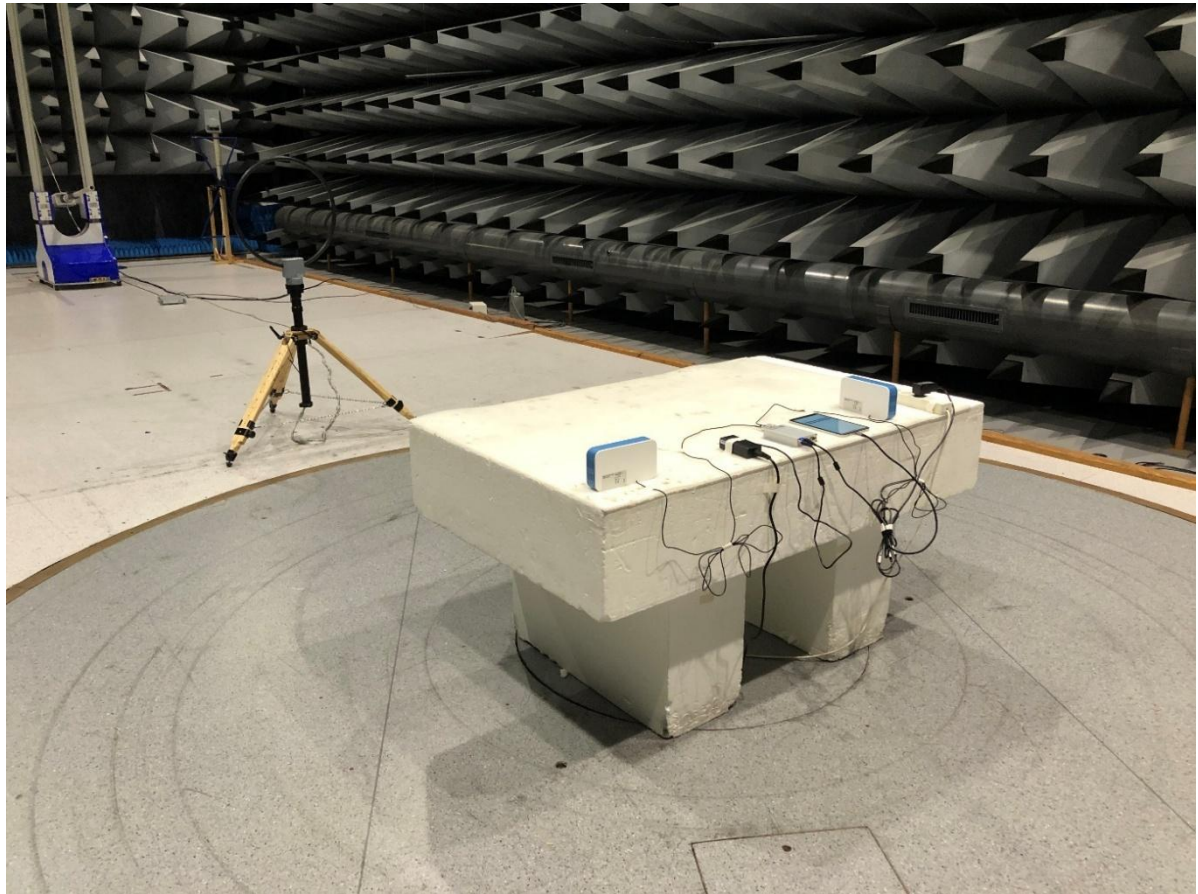
Test location (stand)	Hørsholm EMIRUM
Applied limit class	☒ Limit of field strength of fundamental according to 47 CFR Part 15.225 ☐ Other:
Test setup description	☒ Equipment on a table 80 cm height ☐ Equipment on the floor (isolated from ground plane) ☐ Other:
Supplementary test setup description	N/A
Test method applied	☒ Active loop antennas, as specified in ANSI C63.2 and/or CISPR 16-1-4:2010. ☒ SAC with measurement distance [m]: 3 ☐ Other:
Supplementary information	Measurement with maximum power is presented below The calculation of the correction of the limit lines from 30/300 meter to 3 meters: $\text{Limit2} = \text{Limit1} + 40 * \text{Log} (D1 / D2)$. This is done according to FCC Part 15, Section 31.

Photo 4.8.1: Measurement of field strength of fundamental

a. High angle front view of EUT on setup table, antenna axis X (max. power)



b. High angle rear oblique view of EUT antenna axis X (max. power)

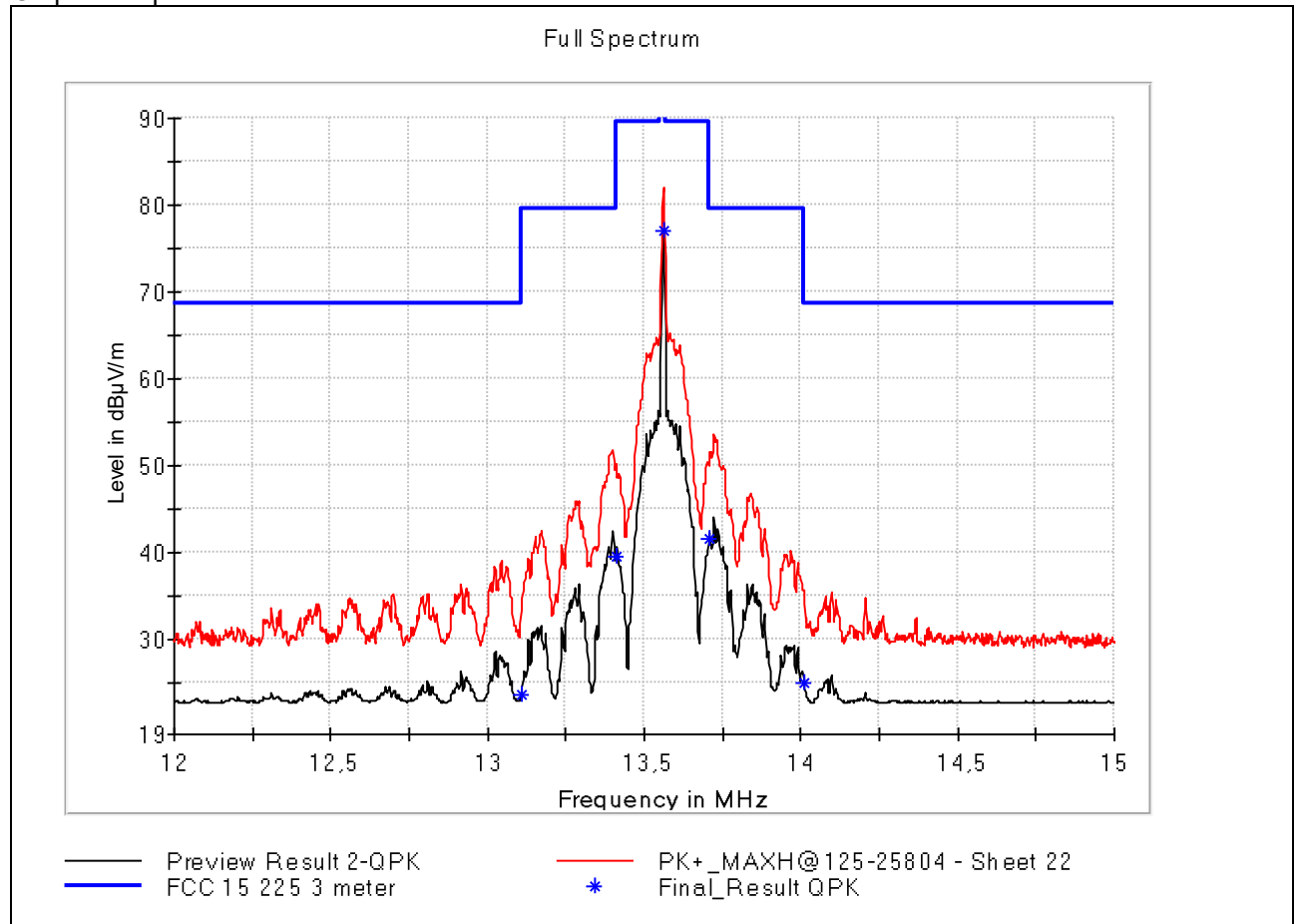


Test results for field strength of fundamental	
Test item no(s) ref. cl. 1.2	1
Operating mode no(s) ref. cl. 1.7 :	1
Test setup no(s) ref. cl. 3.3	1

Tabulated Results summary

X-axis (max. power)								
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Azimuth (deg)	Corr. (dB/m)
13.560	76.92	124.00	48.97	15000.0	9.000	100.0	251.0	21.1
The result is calculated by adjusting the receiver reading with the correction factor. Correction factor (dB) = Antenna factor (dB) + Cable loss (dB) + Attenuation (dB) + Pre-amp gain (dB) Tabulated Result terms: Field strength = QuasiPeak (dBμV/m) Correction factor = Corr. (dB) <i>Note: The test software state attenuation as a positive value and amplification as a negative value.</i> Sample calculation: 76.92 dBμV/m (field strength) = 55.82 dBμV (receiver reading) + 21.1 dB (Correction factor)								

Graphical representation



5 Measurement instrumentation uncertainties and decision rule

5.1 Measurement uncertainty

Where relevant, the following measurement instrumentation uncertainty levels have been estimated for tests performed on the apparatus:

Test method	Calculated expanded uncertainty U_{Lab}		$U_{\text{CISPR/ETSI}}$
	Aarhus	Hørsholm	
AC power-line conducted emission (6.2)	2.68	2.68	3.4
Radiated emission below 30 MHz (6.4)	4.64	2.65	3.3
Radiated emission 30 - 1000 MHz (6.5)	5.72 / 5.56	6.15 / 4.9	6.3
Radiated emission above 1000 MHz (6.6)	4.2	4.9	5.2
Frequency stability (6.8)	0.3 Hz	0.3 Hz	±1 ppm
Occupied bandwidth, 20 dB (6.9)	1.7	1.7	±1.5
Band edge (6.10)	1.7	1.7	±1.5
Field strength of fundamental (6.4)	4.64	2.65	6.3
Environment measurements			
Temperature	<1°C	< 1°C	1°C

5.2 Decision rule

1) General

When reporting statement compliance (e.g., Pass / Fail) the following general decision rules are applied where relevant.

International guidelines for Decision rules are amongst other given in

- The BIMP [JCGM 106](#) "Evaluation of measurement data – The role of measurement uncertainty in conformity assessment" section 8 and
- The attached ILAC G8 "Guidelines on Decision Rules and Statements of Conformity" section 4
- IEC Guide 115 "Application of measurement uncertainty to conformity assessment activities in the electrotechnical sector in the IECEE CB Scheme"

1.1) Other Decision rules

Other decision rules may be applied according to

- Customers own decision rules
- Applicable Directives, e.g., essential requirement of MDD
- Requirement of an authority
- Applicable Legislation

Such decision rules shall be agreed upon with the client in the quotation documents.

2) Decision Rule

A decision rule describes how measurement uncertainty is accounted for when stating conformity with a specified requirement.

Note: Decision rule may be referred to as criterion for compliance

ISO 17025 cl. 3.7

2.1) General Testing

The general approach for application of decision rules is given in the ILAC Guide 8.

The laboratories aim at applying standards, which include "guard banded" test limits. I.e., the applied test limit(s) inherent in the applicable test requirement includes concerns on measurement uncertainty in relation to the decision of compliance.

Specific decision rules may be given in the individual test procedures or standards.

Clients' acceptance of decision rules is agreed upon in per terms of delivery in the quotation documents.

Rationale for applicable decision rules for specific areas are given below.

2.2) Rules / Criteria for compliance - EMC Testing - Emission

The test standards for electromagnetic emission testing state use of "shared risk" for the decision of compliance. Given test limits take Measuring Uncertainty (MU) into account.

The laboratory reports as follows:

The test standards state, that the given requirement for compliance, i.e., test limits, include consideration of MU, in case the MU is within the allowed MU given in U_{CISPR}

- 1) If the MU is within the max U_{CISPR} any decision of compliance (P/F) shall not include the MU
- 2) If the MU exceed the max U_{CISPR} any decision of compliance (P/F) shall include the added MU.

Reporting

The measured value and its MU are reported. Compliance with requirement is reported based on the measured values.

6 List of test equipment

AC power-line conducted emission (6.2):

No	Category/Action	Manufacturer	Type no	Cal. date	Cal. exp
29680	Impulse Voltage Limiter (N)	Rohde & Schwarz	ESH3/Z2	2025-01-15	2026-02-15
29978	Cable#34, RG 223, 40 m, Cond. Emission, EMIroom	Suhner	RG 223/U	2025-03-18	2026-03-18
49043	Coaxial Switch EMI Room	RLC Electronics	SM-3-N	2025-03-18	2026-03-18
49429	Cable 2m N-Nangle	Huber + Suhner	RG214U	2025-03-18	2026-03-18
49457	Cable 3m BNC-BNC	Suhner	RG 223/U	2025-03-18	2026-03-18
49568	Artificial Mains Network	Rohde & Schwarz	ESH2/Z5	2025-01-14	2026-02-14
49632	Cable 0.5 m BNC-BNC	Suhner	RG 223/U	2025-03-18	2026-03-18
49900	Spectrum Analyzer / Measurement Receiver	Rohde & Schwarz	ESW26	2025-01-14	2026-02-14
49999	EMC32-Software EMIroom	Rohde & Schwarz	Ver. 10.60.20	N/A	N/A

Radiated emission below 30 MHz (6.4), Band edge (6.10), Field strength of fundamental (6.4):

No	Category/Action	Manufacturer	Type no	Cal. date	Cal. exp
29953	Antenna Tower/Turntable Controller	EMCO	2090	N/A	N/A
49900	Spectrum Analyzer / Measurement Receiver	Rohde & Schwarz	ESW26	2025-01-14	2026-02-14
49949	Active loop antenna 9kHz-30MHz	Rohde & Schwarz	HFH2-Z2	2025-04-23	2026-04-23
49999	EMC32-Software EMIroom	Rohde & Schwarz	Ver. 10.60.20	N/A	N/A
59076	3m cable path of 59073, 59074 & 59075	Huber + Suhner	3m cable path	2025-05-01	2026-05-01

Radiated emission 30 - 1000 MHz (6.5):

No	Category/Action	Manufacturer	Type no	Cal. date	Cal. exp
29797	Bilog Antenna, 30-2000 MHz	Chase Electronics Ltd.	CBL 6111A	2023-09-04	2025-09-03
29953	Antenna Tower/Turntable Controller	EMCO	2090	N/A	N/A
49674	Maturo Controller	Maturo	NCD	N/A	N/A
49808	Attenuator, DC-12.4GHz, 6 dB	Huber + Suhner	6806.17A	2023-09-04	2025-09-03
49900	Spectrum Analyzer / Measurement Receiver	Rohde & Schwarz	ESW26	2025-01-14	2026-02-14
49999	EMC32-Software EMIroom	Rohde & Schwarz	Ver. 10.60.20	N/A	N/A
59076	3m cable path of 59073, 59074 & 59075	Huber + Suhner	3m cable path	2025-05-01	2026-05-01

Radiated emission 1 - 6 GHz (8):

No	Category/Action	Manufacturer	Type no	Cal. date	Cal. exp
29953	Antenna Tower/Turntable Controller	EMCO	2090	N/A	N/A
49674	Maturo Controller	Maturo	NCD	N/A	N/A
49730	1-18 GHz. Horn Antenna	Rohde & Schwarz	4070.7000.02	2023-08-22	2025-08-21
49741	Amplifier 0.8-18 GHz	Miteq	AFS4-00501800-40-20P-6	2025-05-01	2026-05-01
49900	Spectrum Analyzer / Measurement Receiver	Rohde & Schwarz	ESW26	2025-01-14	2026-02-14
49999	EMC32-Software EMIroom	Rohde & Schwarz	Ver. 10.60.20	N/A	N/A
59076	3m cable path of 59073, 59074 & 59075	Huber + Suhner	3m cable path	2025-05-01	2026-05-01

Frequency stability (6.8), Occupied bandwidth, 20 dB (6.9):

No	Category/Action	Manufacturer	Type no	Cal. date	Cal. exp
29730	20 dB Attenuator, DC-18 GHz, SMA	Suhner	6820.19.A	2024-05-22	2025-06-22
49550	Signal Analyzer	Rohde & Schwarz	FSQ8	2025-01-14	2026-02-14
49736	Cable 2 m SMA-SMA	Suhner	Sucoflex 104	2024-08-14	2025-08-15
49738	Cable 2 m SMA-SMA	Suhner	Sucoflex 104	2024-08-14	2025-08-15
49740	Cable 1.25 m SMA-SMA	Suhner	Sucoflex 104	2024-08-14	2025-08-15

End of report