

TEST REPORT

Test report no.: 1-2366-26-01-05_TR1-R01



Deutsche
Akkreditierungsstelle
D-PL-12047-01-00

Testing laboratory

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Accredited Testing Laboratory:

The testing laboratory (area of testing) is accredited according to DIN EN ISO/IEC 17025 (2018-03) by the Deutsche Akkreditierungsstelle GmbH (DAkkS).

The accreditation is valid for the scope of testing procedures as stated in the accreditation certificate with the registration number:

D-PL-12047-01-00.

ISED Testing Laboratory Recognized Listing Number: DE0001

FCC designation number: DE0002

Applicant

WSAUD A/S

Nymøllevej 6

DK-3540 Lyngby / DENMARK

Phone: +45 4435 5600

Contact: Richard Rose

e-mail: richard.rose@wsa.com

Manufacturer

WSAUD A/S

Nymøllevej 6

DK-3540 Lyngby / DENMARK

Test standard/s

FCC - Title 47 CFR Part 15 FCC - Title 47 of the Code of Federal Regulations; Chapter I; Part 15 - Radio frequency devices

RSS - 210 Issue 11 Spectrum Management and Telecommunications Radio Standards Specification - Licence-Exempt Radio Apparatus: Category I Equipment

RSS - Gen Issue 5 incl. Amendment 1 & 2 Spectrum Management and Telecommunications Radio Standards Specification - General Requirements for Compliance of Radio Apparatus

For further applied test standards please refer to section 3 of this test report.

Test Item

Kind of test item: **RF Module for Hearing Instruments**

Model name: **RF Module 030**

FCC ID: **2AXDT-RFM030**

ISED certification number: **26428-RFM030**

Frequency: 1.705 MHz – 30 MHz

Technology tested: proprietary

Antenna: Integrated antenna

Power supply: 3.50 V to 4.20 V DC, by Li Ion battery

Temperature range: 0°C to +50°C

This test report is electronically signed and valid without handwritten signature. For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

Test report authorized:



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1 Table of contents

1	Table of contents.....	2
2	General information.....	3
2.1	Notes and disclaimer	3
2.2	Application details	3
2.3	Test laboratories sub-contracted.....	3
3	Test standard/s, references and accreditations	4
4	Reporting statements of conformity – decision rule	5
5	Test environment	6
6	Test item	6
6.1	General description.....	6
6.2	Additional information	6
7	Description of the test setup.....	7
7.1	Shielded semi anechoic chamber.....	8
7.2	Shielded fully anechoic chamber	10
7.3	Conducted measurements	11
8	Sequence of testing.....	12
8.1	Sequence of testing radiated spurious 9 kHz to 30 MHz	12
8.2	Sequence of testing radiated spurious 30 MHz to 1 GHz.....	13
9	Measurement uncertainty.....	14
10	Summary of measurement results	15
11	Additional comments	15
12	Measurement results	16
12.1	Occupied bandwidth	16
12.2	Field strength of the fundamental	23
12.3	Field strength of the harmonics and spurious	25
12.3.1	Plots MI e2eFDAudio2K:.....	26
12.3.2	Plots MI e2eFDAudio4K:.....	28
12.3.3	Plots MI e2eFDAudio8K:.....	30
12.3.4	Plots MI e2eFDAudio8K_HQ:.....	32
12.3.5	Plots MI e2eTdAudio:	34
12.3.6	Plots MI e2eData:.....	36
13	Glossary.....	38
14	Document history.....	39

2 General information

2.1 Notes and disclaimer

The test results of this test report relate exclusively to the test item specified in this test report. cetecom advanced GmbH does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item.

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In no case this test report can be considered as a Letter of Approval.

This test report is electronically signed and valid without handwritten signature. For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

2.2 Application details

Date of receipt of order:	2026-02-23
Date of receipt of test item:	2026-05-13
Start of test:*	2026-05-18
End of test:*	2026-05-26
Person(s) present during the test:	-/-

*Date of each measurement, if not shown in the plot, can be requested. Dates are stored in the measurement software.

2.3 Test laboratories sub-contracted

None

3 Test standard/s, references and accreditations

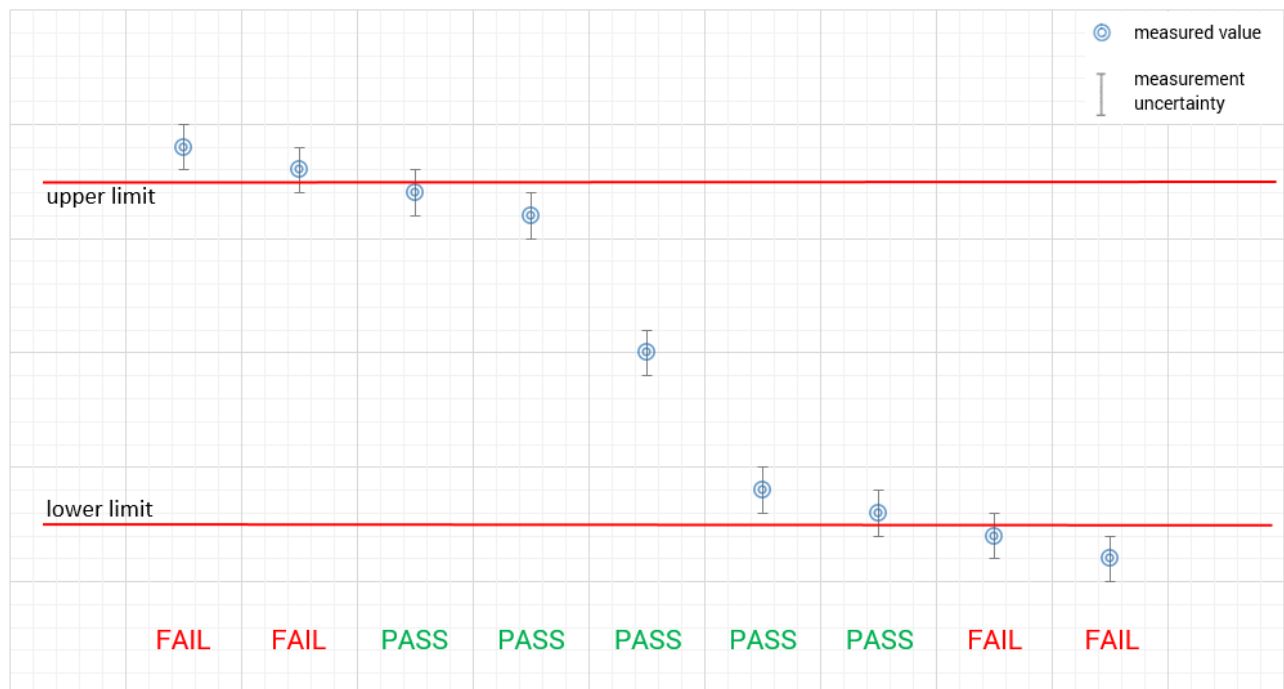
Test standard	Date	Description
FCC - Title 47 CFR Part 15	-/-	FCC - Title 47 of the Code of Federal Regulations; Chapter I; Part 15 - Radio frequency devices
RSS - 210 Issue 11	2024-06-25	Spectrum Management and Telecommunications Radio Standards Specification - Licence-Exempt Radio Apparatus: Category I Equipment
RSS - Gen Issue 5 incl. Amendment 1 & 2	February 2021	Spectrum Management and Telecommunications Radio Standards Specification - General Requirements for Compliance of Radio Apparatus
Guidance	Version	Description
ANSI C63.4a-2017	-/-	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 C63.10-2020	-/-	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
ANSI/USEMCSC C63.10a-2024 Amendment 1	2024-08-08	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices Amendment 1
ANSI/USEMCSC C63.10a-2024 Amendment 1 Errata	2024-11-18	Errata to American National Standard for Procedures for Compliance Testing of Unlicensed Wireless Devices Amendment 1 Correction Sheet

4 Reporting statements of conformity – decision rule

Only the measured values related to their corresponding limits will be used to decide whether the equipment under test meets the requirements of the test standards listed in chapter 3.

The measurement uncertainty is mentioned in this test report, see chapter 9, but is not taken into account - neither to the limits nor to the measurement results. Measurement results with a smaller margin to the corresponding limits than the measurement uncertainty have a potential risk of more than 5% that the decision might be wrong."

measured value, measurement uncertainty, verdict



5 Test environment

Temperature	:	T_{nom} T_{max} T_{min}	+22 °C during room temperature tests +50 °C during high temperature tests 0 °C during low temperature tests
Relative humidity content	:		55 %
Barometric pressure	:		1021 hpa
Power supply	:	V_{nom} V_{max} V_{min}	3.85 V DC, by Li Ion battery 4.20 V 3.50 V

6 Test item

6.1 General description

Kind of test item	:	RF Module for Hearing Instruments
Model name	:	RF Module 030
HMN	:	-/-
PMN	:	RF Module 30
HVIN	:	RFM030
FVIN	:	-/-
S/N serial number	:	ANK8045
Hardware status	:	F1050_v1E_ECO-097744
Software status	:	-/-
Firmware status	:	21.24
Frequency band	:	1.705 MHz – 30 MHz
Type of radio transmission	:	modulated carrier
Use of frequency spectrum	:	
Type of modulation	:	QPSK
Number of channels	:	1
Antenna	:	Integrated antenna
Power supply	:	3.50 V to 4.20 V DC, by Li Ion battery
Temperature range	:	0°C to +50°C

6.2 Additional information

The content of the following annexes is defined in the QA. It may be that not all of the listed annexes are necessary for this report, thus some values in between may be missing.

Test setup and EUT photos are included in test report:

1-2366-26-01-01_TR1-A101-R01
1-2366-26-01-01_TR1-A102-R01
1-2366-26-01-01_TR1-A104-R01

7 Description of the test setup

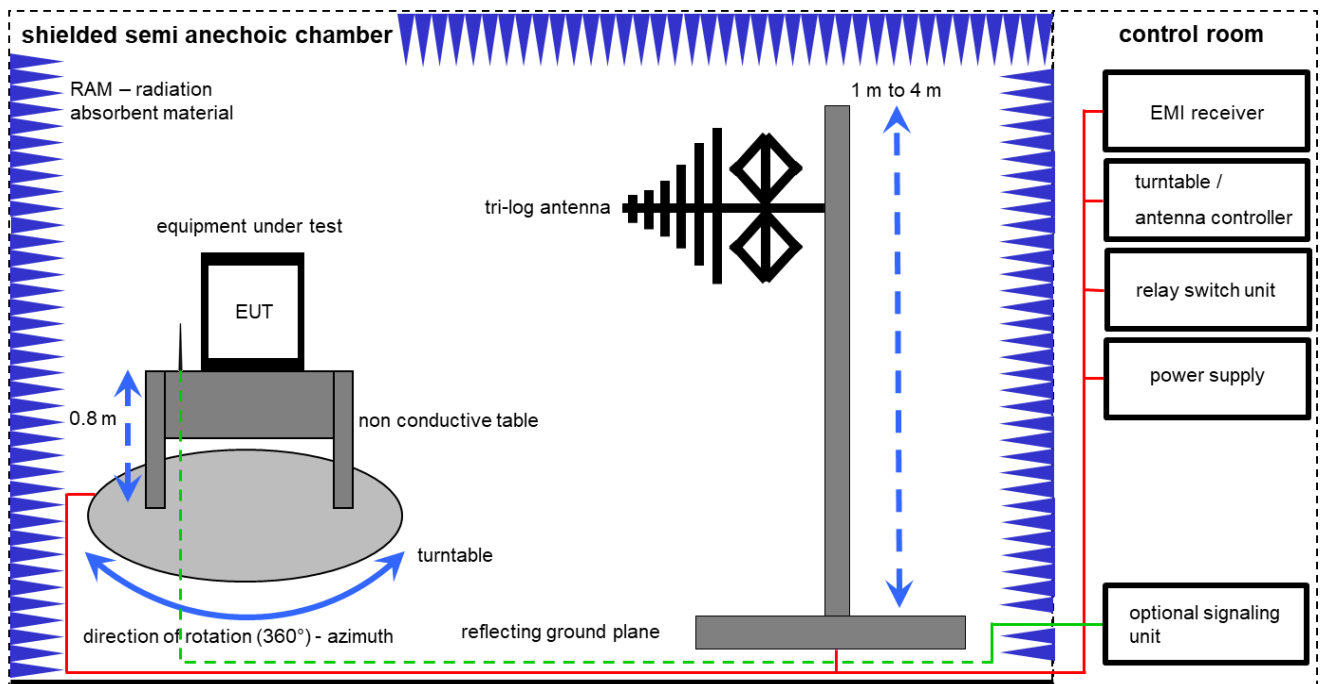
Typically, the calibrations of the test apparatus are commissioned to and performed by an accredited calibration laboratory. The calibration intervals are determined in accordance with the DIN EN ISO/IEC 17025. In addition to the external calibrations, the laboratory executes comparison measurements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

Each block diagram listed can contain several test setup configurations. All devices belonging to a test setup are identified with the same letter syntax. For example: Column Setup and all devices with an A.

7.1 Shielded semi anechoic chamber

The radiated measurements are performed in vertical and horizontal plane in the frequency range from 30 MHz to 1 GHz in semi-anechoic chambers. The EUT is positioned on a non-conductive support with a height of 0.80 m above a conductive ground plane that covers the whole chamber. The receiving antennas are conform to specifications ANSI C63. These antennas can be moved over the height range between 1.0 m and 4.0 m in order to search for maximum field strength emitted from 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 spectrum analyzers where the detector modes and resolution bandwidths over various frequency ranges are set according to requirement ANSI C63.



Measurement distance: tri-log antenna 10 meter
EMC32 software version: 10.59.00

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

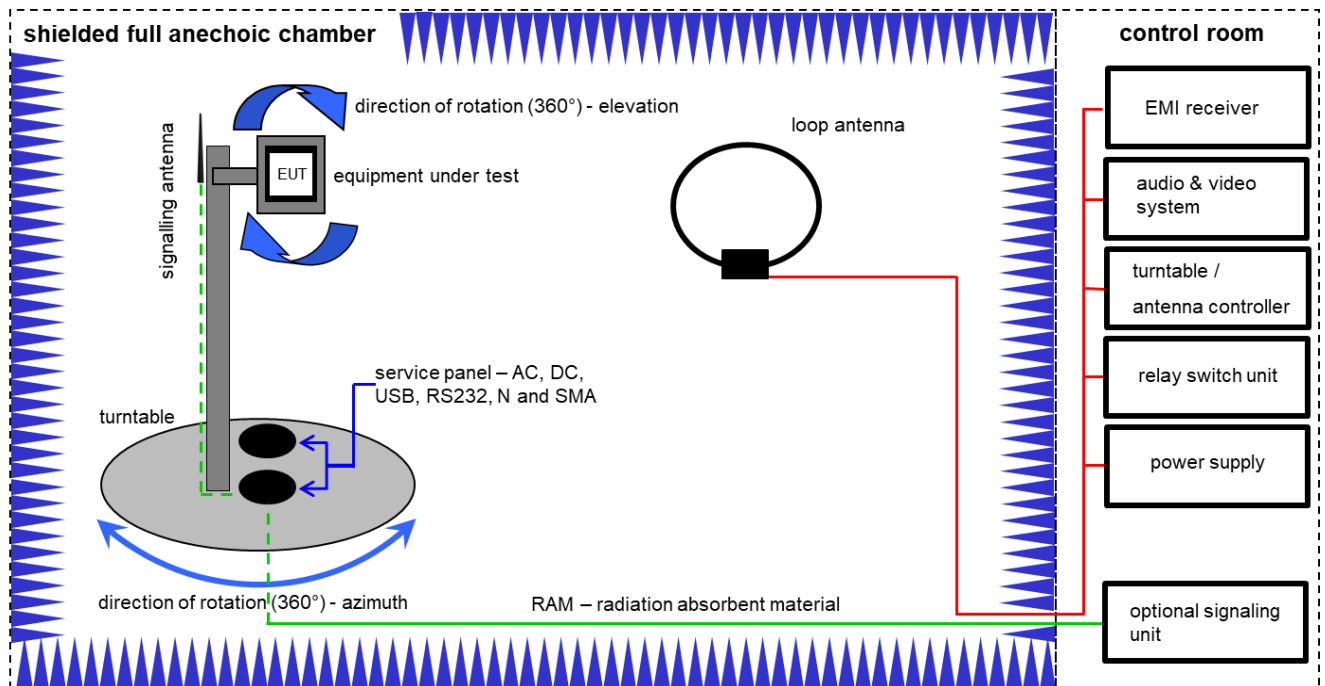
Example calculation:

FS [dB μ V/m] = 12.35 [dB μ V] + 1.90 [dB] + 16.80 [dB/m] = 31.05 [dB μ V/m] (35.69 μ V/m) @ distance

Equipment table:

No.	Setup	Equipment	Type	Manufacturer	Serial No.	INV. No.	Kind of Calibration	Last Calibration	Next Calibration
1	A	Semi anechoic chamber	Semi anechoic chamber 3000023	MEC Import: MWB AG		40797	cnn	-/-	-/-
2	A	TRILOG Broadband Antenna	TRILOG Broadband Antenna VULB9163	Schwarzbeck MESS-ELEKTRONIK OHG / Schönau	371	40798	cal	11.07.2024	31.07.2026
3	A	Turntable	Turntable 2089-4.0	EMCO Elektronik GmbH / Gilching		40799	cnn	-/-	-/-
4	A	Positioning Controller	Positioning Controller 2090	ETS-Lindgren GmbH / Taufkirchen	64672	50280	cnn	-/-	-/-
5	A	EMI Test Receiver	EMI Test Receiver ESR3 9kHz-3.6GHz	Rohde & Schwarz Messgerätebau GmbH / Memmingen	102587	50417	cal	08.12.2025	31.12.2026
6	A	PC	TecLine	F+W	-/-	300004388	ne	-/-	-/-
7	A	Antenna Tower	Model 2175	ETS-Lindgren	64762	300003745	izw	-/-	-/-
8	A	Turntable Interface-Box	Model 105637	ETS-Lindgren	44583	300003747	izw	-/-	-/-
9	A	Switch-Unit	3488A	HP	2719A14505	300000368	ev	-/-	-/-

7.2 Shielded fully anechoic chamber



Measurement distance: loop antenna 3 meter / 1 meter

$$FS = UR + CA + AF$$

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

Example calculation:

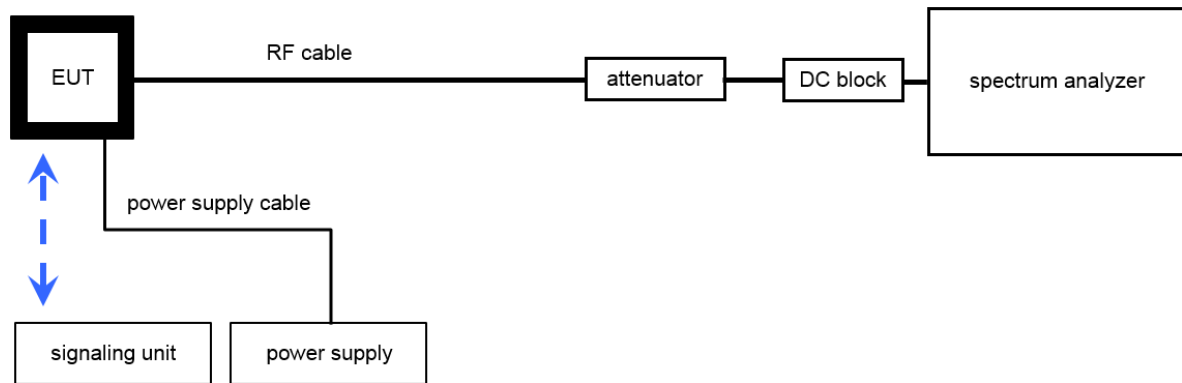
$$FS [dB\mu V/m] = 40.0 [dB\mu V] + (-35.8) [dB] + 32.9 [dB/m] = 37.1 [dB\mu V/m] (71.61 \mu V/m) @ distance$$

Equipment table:

No.	Setup	Equipment	Type	Manufacturer	Serial No.	INV. No.	Kind of Calibration	Last Calibration	Next Calibration
1	A	Anechoic chamber	Anechoic chamber FAC 3/5m	MEC Import: MWB / TDK	87400/02	40349	cpu	-/-	-/-
2	A	Switch / Control Unit	Switch / Control Unit 3488A	Hewlett Packard	*	40350	cnn	-/-	-/-
3	A	4U RF Switch Platform	4U RF Switch Platform L4491A	Agilent Technologies Deutschland GmbH / Böblingen	MY50000037	40375	cnn	-/-	-/-
4	A	NEXIO EMV-Software	NEXIO EMV-Software BAT EMC V2022.0.32.0	MEC Import: Nexio		40383	cnn	-/-	-/-
5	A	Active Loop Antenna	Active Loop Antenna 6502	EMCO Elektronik GmbH / Gilching	2210	50044	cal	07.07.2025	31.07.2027
6	A	EMI Test Receiver	EMI Test Receiver ESU26	Rohde & Schwarz Messgerätebau GmbH / Memmingen	100037	50254	cal	11.12.2025	31.12.2026

7.3 Conducted measurements

Conducted measurements normal conditions



OP = AV + CA
 (OP-output power; AV-analyzer value; CA-loss signal path)

Example calculation:

OP [dBm] = 6.0 [dBm] + 11.7 [dB] = 17.7 [dBm] (58.88 mW)

Equipment table:

No.	Setup	Equipment	Type	Manufacturer	Serial No.	INV. No.	Kind of Calibration	Last Calibration	Next Calibration
1	A	Loop Antenna	-/-	ZEG TS Steinfurt	-/-	400001208	ev	-/-	-/-
2	A	Signal analyzer	FSV30	Rohde & Schwarz	104365	300005923	k	04.12.2025	31.12.2026

8 Sequence of testing

8.1 Sequence of testing radiated spurious 9 kHz to 30 MHz

Setup

- The equipment is set up to simulate normal operation mode as described in the user manual or defined by the manufacturer.
- If the EUT is a tabletop system, it is placed on a table with 0.8 m height.
- If the EUT is a floor standing device, it is placed directly on the turn table.
- Auxiliary equipment and cables are positioned to simulate normal operation conditions as described in ANSI C 63.10.
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- Measurement distance is 3 m (see ANSI C 63.10) – see test details.
- EUT is set into operation.

Premeasurement*

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna height is 1 m.
- At each turntable position the analyzer sweeps with positive-peak detector to find the maximum of all emissions.

Final measurement

- Identified emissions during the pre-measurement are maximized by the software by rotating the turntable from 0° to 360°.
- Loop antenna is rotated about its vertical axis for maximum response at each azimuth about the EUT. (For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT)
- The final measurement is done in the position (turntable and elevation) causing the highest emissions with quasi-peak (as described in ANSI C 63.10).
- Final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. A plot with the graph of the premeasurement and the limit is stored.

*)Note: The sequence will be repeated three times with different EUT orientations.

8.2 Sequence of testing radiated spurious 30 MHz to 1 GHz

Setup

- The equipment is set up to simulate normal operation mode as described in the user manual or defined by the manufacturer.
- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables are positioned to simulate normal operation conditions as described in ANSI C 63.10.
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- Measurement distance is 10 m or 3 m (see ANSI C 63.10) – see test details.
- EUT is set into operation.

Premeasurement

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna is polarized vertical and horizontal.
- The antenna height changes from 1 m to 3 m.
- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement

- The final measurement is performed for at least six highest peaks according to the requirements of the ANSI C63.4.
- Based on antenna and turntable positions at which the peak values are measured the software maximize the peaks by changing turntable position $\pm 45^\circ$ and antenna height between 1 and 4 m.
- The final measurement is done with quasi-peak detector (as described in ANSI C 63.10).
- Final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit are recorded. A plot with the graph of the premeasurement with marked maximum final results and the limit is stored.

9 Measurement uncertainty

Measurement uncertainty	
Test case	Uncertainty
Occupied bandwidth	$\pm$ used RBW
Field strength of the fundamental	$\pm$ 3 dB
Field strength of the harmonics and spurious	$\pm$ 3 dB
Receiver spurious emissions and cabinet radiations	$\pm$ 3 dB
Conducted limits	$\pm$ 2.6 dB

10 Summary of measurement results

☒	No deviations from the technical specifications were ascertained
☐	There were deviations from the technical specifications ascertained
☐	This test report is only a partial test report. The content and verdict of the performed test cases are listed below.

TC Identifier	Description	Verdict	Date	Remark
RF-Testing	CFR Part 15 RSS 210 Issue 11 RSS Gen Issue 5	See table!	2026-06-01	-/-

Test specification clause	Test case	Temperature conditions	Power source conditions	C	NC	NA	NP	Remark
RSS Gen Issue 5 (6.6)	Occupied bandwidth	Nominal	Nominal	☒	☐	☐	☐	-/-
§ 15.209	Field strength of the fundamental	Nominal	Nominal	☒	☐	☐	☐	-/-
§ 15.209 RSS Gen Issue 5 (6.13)	Field strength of the harmonics and spurious	Nominal	Nominal	☒	☐	☐	☐	-/-
§15.107 §15.207	Conducted limits	Nominal	Nominal	☐	☐	☒	☐	Battery powered only!

Note: NA = Not applicable; NP = Not performed; C = Compliant; NC = Not compliant

11 Additional comments

Reference documents: Customer Questionnaire_RFM030

Special test descriptions: 2026-05-07_-_Setup_HI_Test_Modes_F1_v1

Configuration descriptions: None

12 Measurement results

12.1 Occupied bandwidth

Measurement:

The emission bandwidth (x dB) is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated x dB below the maximum in-band spectral density of the modulated signal.

Measurement parameters	
Detector:	Peak
Resolution bandwidth:	1 % – 5 % of the occupied bandwidth
Video bandwidth:	≥ 3x RBW
Trace mode:	Max hold
Analyser function:	99 % power function
Used test setup:	See sub clause 7.3 – A
Measurement uncertainty:	See sub clause 9

Limit:

ISED
for RSP-100 test report coversheet only

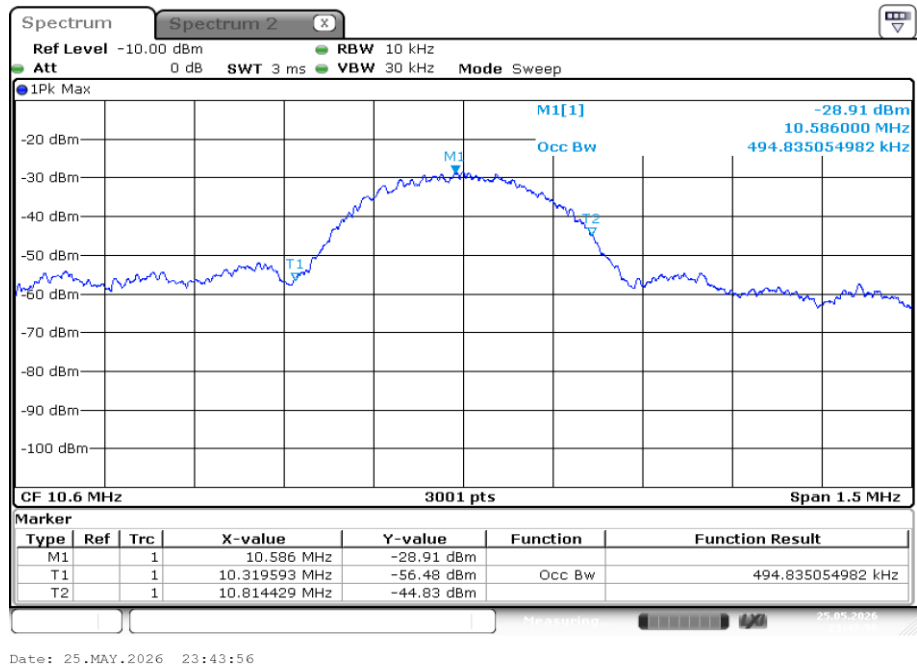
Result:

mode	99% emission bandwidth
MI 2e2FdAudio2K	494.83 kHz
MI 2e2FdAudio4K	481.33 kHz
MI 2e2FdAudio8K	476.84 kHz
MI 2e2FdAudio8K_HQ	488.83 kHz
MI 2e2TdAudio2K	495.83 kHz
MI 2e2Data	520.32 kHz

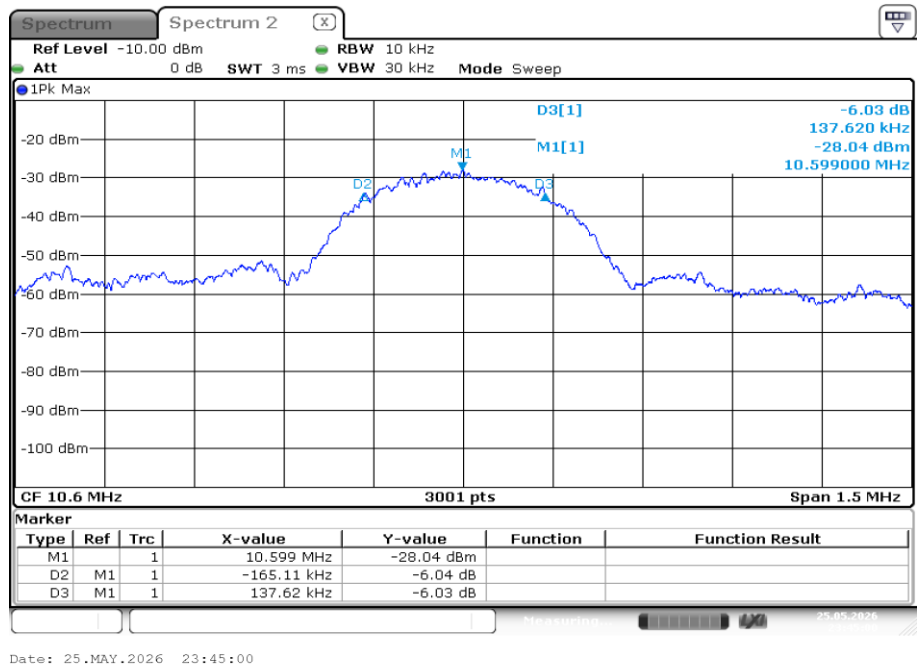
mode	6dB emission bandwidth
MI 2e2FdAudio2K	302.73 kHz
MI 2e2FdAudio4K	285.24 kHz
MI 2e2FdAudio8K	305.23 kHz
MI 2e2FdAudio8K_HQ	296.24 kHz
MI 2e2TdAudio2K	307.23 kHz
MI 2e2Data	264.25 kHz

Plot:

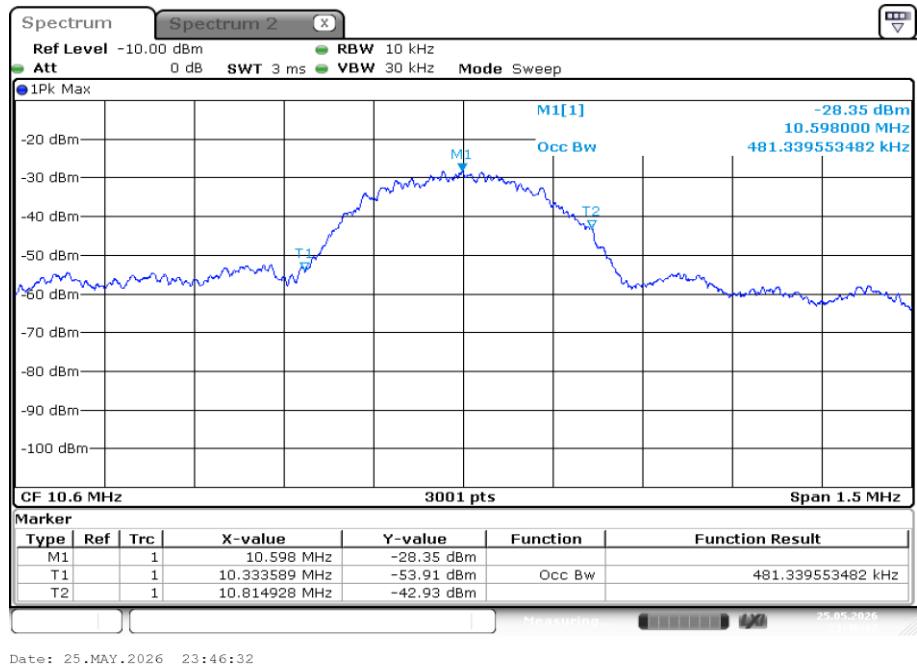
Plot 1: MI 2e2FdAudio2K, 99 % emission bandwidth



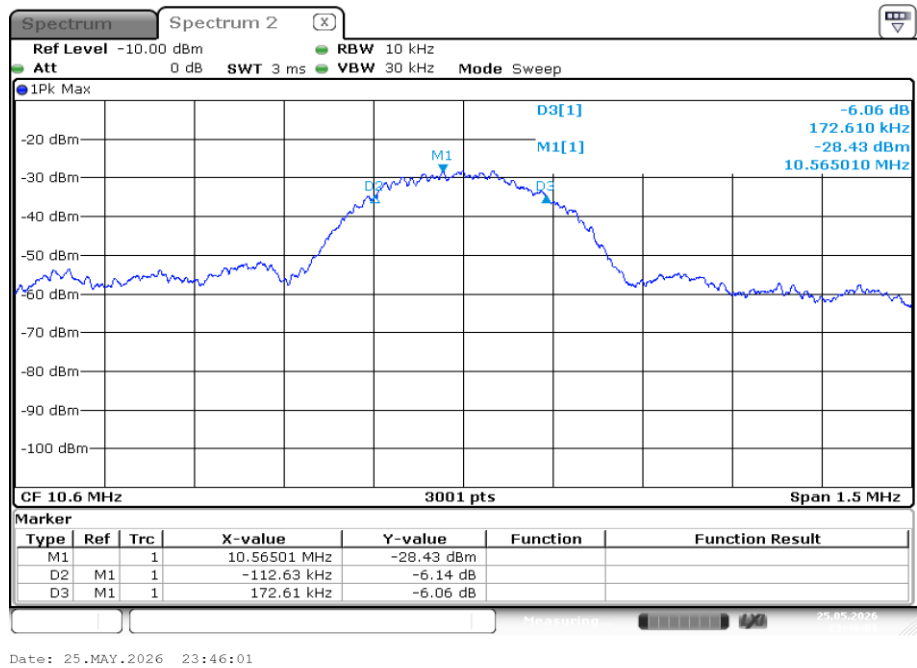
Plot 2: MI 2e2FdAudio2K, 6dB emission bandwidth



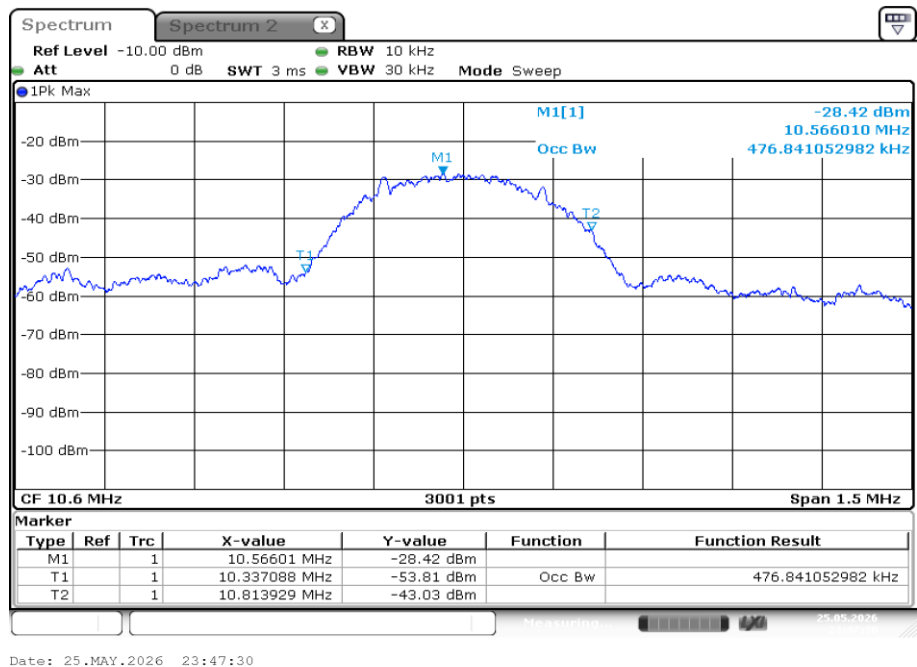
Plot 3: MI 2e2FdAudio4K, 99 % emission bandwidth



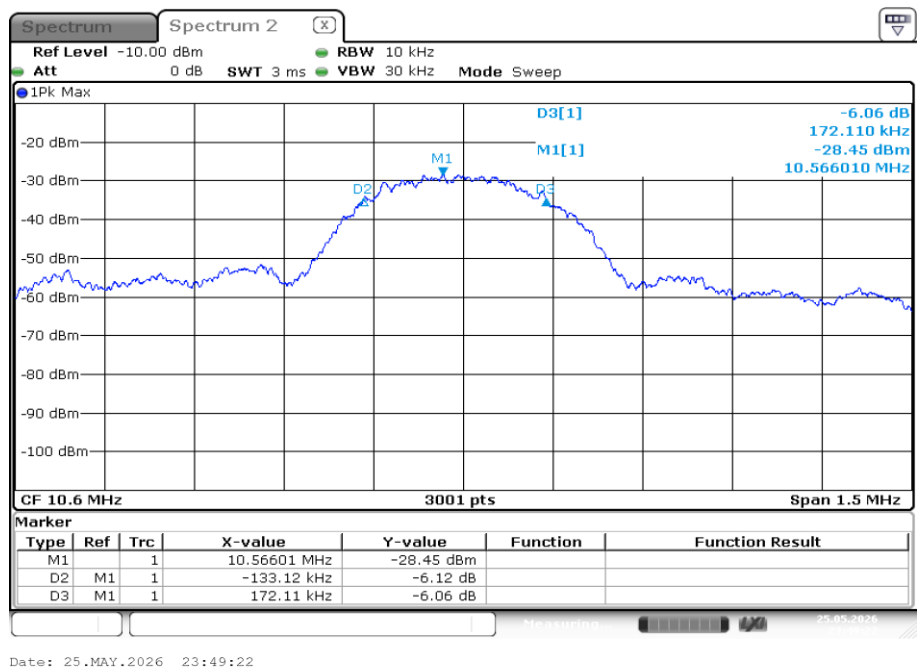
Plot 4: MI 2e2FdAudio4K, 6dB emission bandwidth



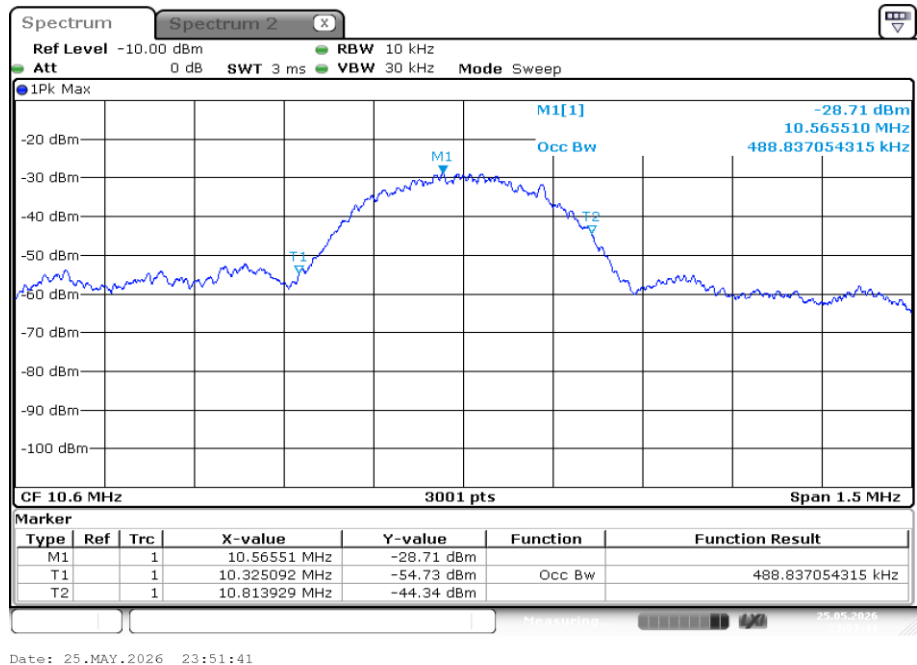
Plot 5: MI 2e2FdAudio8K, 99 % emission bandwidth



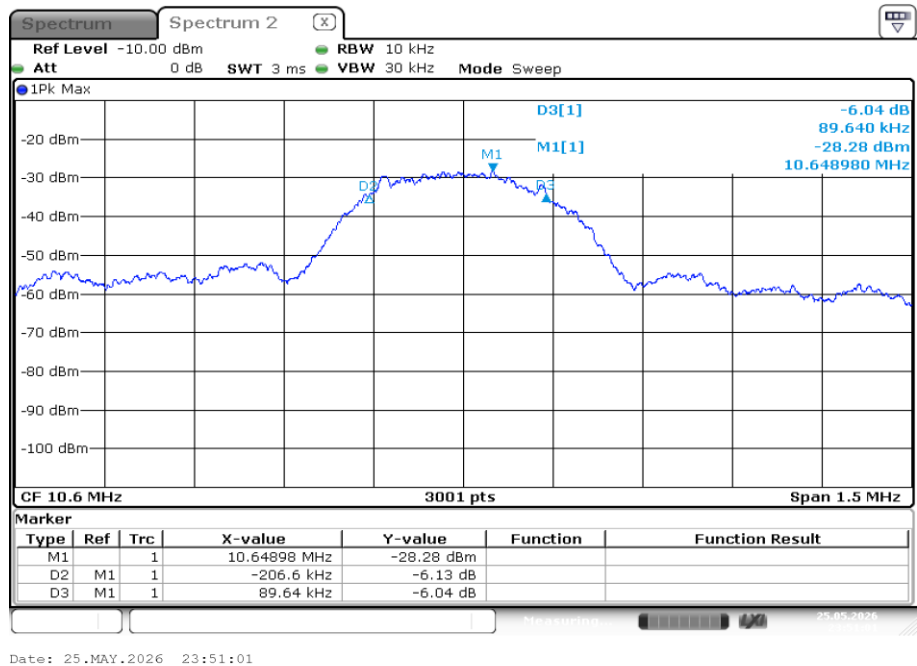
Plot 6: MI 2e2FdAudio8K, 6dB emission bandwidth



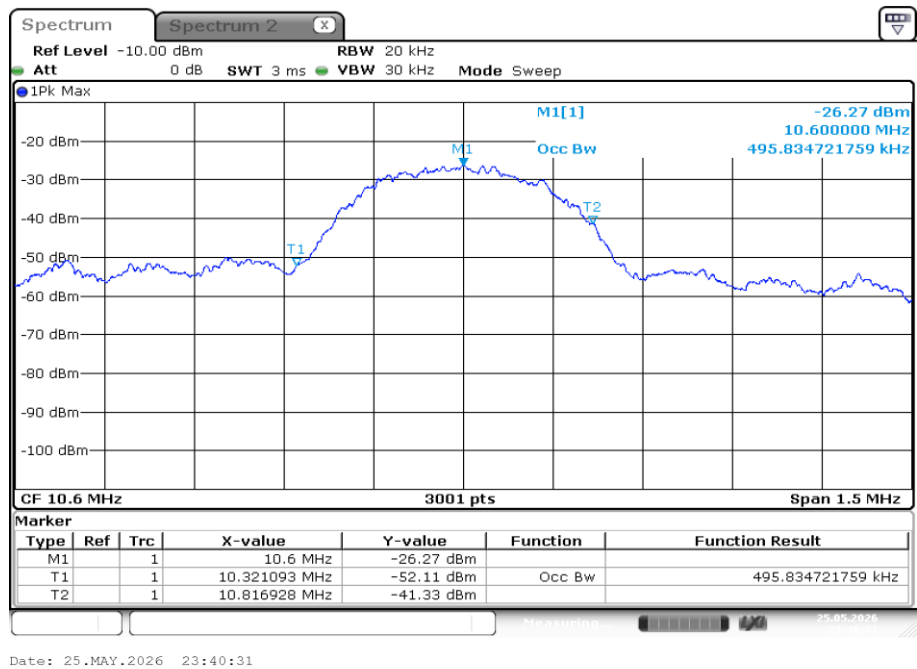
Plot 7: MI 2e2FdAudio8K_HQ, 99 % emission bandwidth



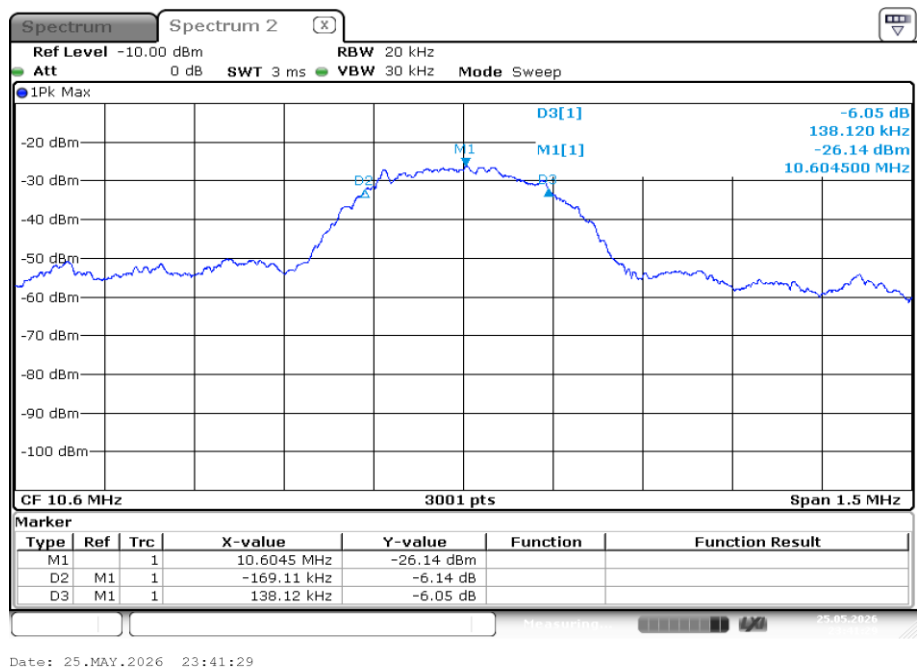
Plot 8: MI 2e2FdAudio8K_HQ, 6dB emission bandwidth



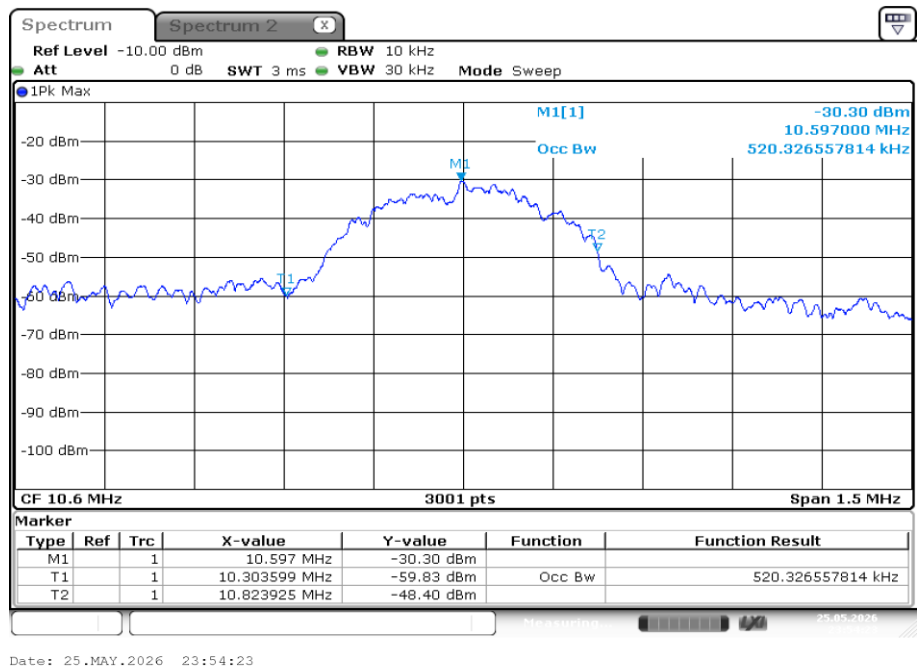
Plot 9: MI 2e2TdAudio, 99 % emission bandwidth



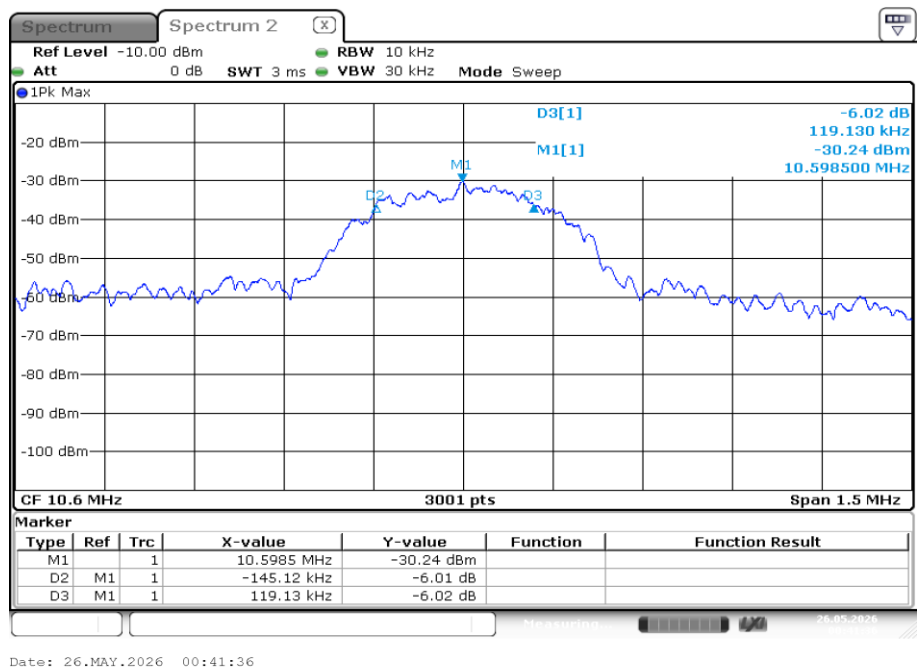
Plot 10: MI 2e2TdAudio, 6dB emission bandwidth



Plot 11: MI 2e2Data, 99 % emission bandwidth



Plot 12: MI 2e2Data, 6dB emission bandwidth



12.2 Field strength of the fundamental

Measurement:

The maximum detected field strength for the carrier signal.

Measurement parameters	
Detector:	average
Resolution bandwidth:	9 kHz
Video bandwidth:	≥ 3x RBW
Trace mode:	Max hold
Used test setup	See sub clause 7.2 A
Measurement uncertainty:	See sub clause 9

Limit:

FCC		
Frequency (MHz)	Field strength (μV/m)	Measurement distance (m)
1.705 – 30.0	30 (29.54dBμV/m)	30
ISED		
Frequency (MHz)	Field strength (μV/m)	Measurement distance (m)
1.705 – 10.0	100 (40dBμV/m)	30
If the 6 dB bandwidth < 10% center frequency	15 μV/m (23.5 dBμV/m)	30

RSS210-issue 11 Annex B3.

if the 6 dB bandwidth of the emission is less than 10% of the centre frequency, the field strength shall not exceed 15 μV/m at 30 m or (the bandwidth of the device in kHz) divided by (the centre frequency of the device in MHz) μV/m at 30 m, whichever is the higher level

Recalculation:

According to ANSI C63.10		
Frequency	Formula	Correction value
10.6 MHz	$FS_{\text{limit}} = FS_{\text{max}} - 40 \log \left(\frac{d_{\text{near field}}}{d_{\text{measure}}} \right) - 20 \log \left(\frac{d_{\text{limit}}}{d_{\text{near field}}} \right)$ FS_{limit} is the calculation of field strength at the limit distance, expressed in dBμV/m FS_{max} is the measured field strength, expressed in dBμV/m $d_{\text{near field}}$ is the $\lambda/2\pi$ distance d_{measure} is the distance of the measurement point from EUT d_{limit} is the reference limit distance	-42.62 dB from 1 m to 30 m

Result:

Field strength of the fundamental		
frequency:	10.6 MHz	
distance	@ 1 m	@ 30 m
mode:	measured	calculated value
MI 2e2FdAudio2K	43.13 dB μ V/m	0.51 dB μ V/m
MI 2e2FdAudio4K	43.29 dB μ V/m	0.67 dB μ V/m
MI 2e2FdAudio8K	43.86 dB μ V/m	1.24 dB μ V/m
MI e2FdAudio8K_HQ	43.64 dB μ V/m	1.02 dB μ V/m
MI 2e2TdAudio2K	40.17 dB μ V/m	-2.45 dB μ V/m
MI 2e2Data	41.00 dB μ V/m	-1.62 dB μ V/m

12.3 Field strength of the harmonics and spurious

Measurement:

The maximum detected field strength for the harmonics and spurious.

Measurement parameters	
Detector:	Quasi peak / average or peak (worst case – pre-scan)
Resolution bandwidth:	F < 150 kHz: 200 Hz 150 kHz < F < 30 MHz: 9 kHz 30 MHz < F < 1 GHz: 120 kHz
Video bandwidth:	F < 150 kHz: 1 kHz 150 kHz < F < 30 MHz: 100 kHz 30 MHz < F < 1 GHz: 300 kHz
Trace mode:	Max hold
Used test setup:	9 kHz to 30 MHz: see sub clause 7.2 A 30 MHz to 1 GHz: see sub clause 7.1A
Measurement uncertainty:	See sub clause 9

Limit:

FCC		
Frequency (MHz)	Field strength (dB μ V/m)	Measurement distance (m)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30	30 (29.5 dB μ V/m)	30
30 – 88	100 (40 dB μ V/m)	3
88 – 216	150 (43.5 dB μ V/m)	3
216 – 960	200 (46 dB μ V/m)	3

ISED		
Frequency (MHz)	Field strength (μ A/m)	Measurement distance (m)
0.009 – 0.490 *	6.37/F (F in kHz)	300
0.490 – 1.705	63.7/F (F in kHz)	30
1.705 – 30	0.08 (-22 dB μ A/m)	30

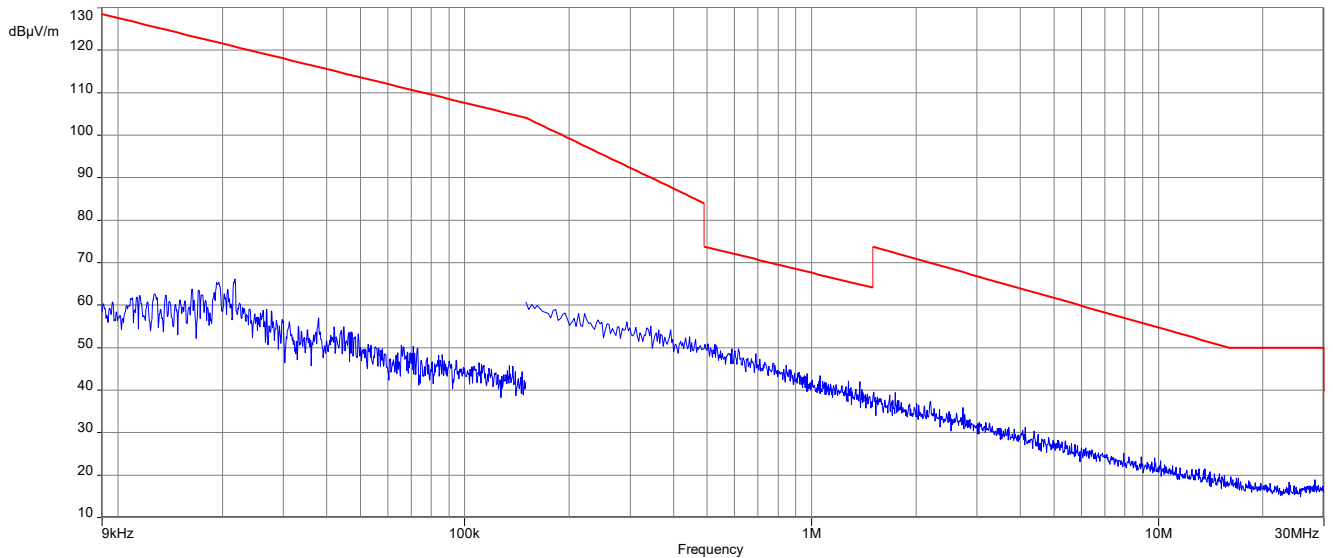
^{*)} The emission limits for the ranges 9 – 90 kHz and 110 – 490 kHz are based on measurements employing a linear average detector.

Result:

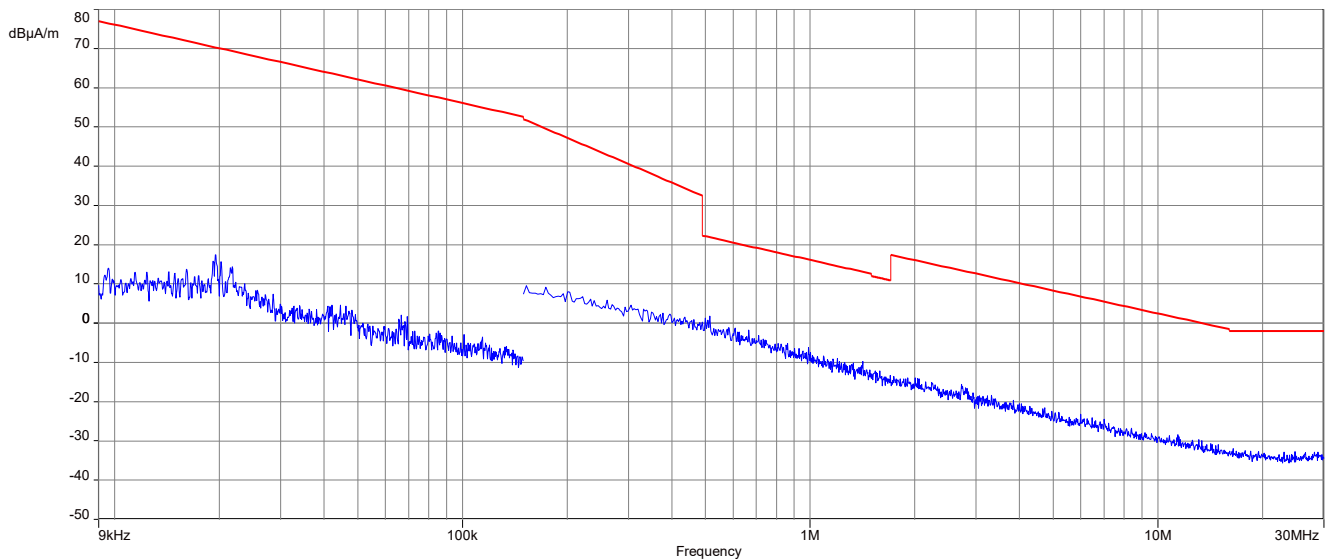
Detected emissions			
Frequency (MHz)	Detector	Resolution bandwidth (kHz)	Detected value
All detected peak emissions below 30 MHz are more than 20 dB below the average limit.			
For emissions above 30 MHz, please look at the table below the 1 GHz plot.			

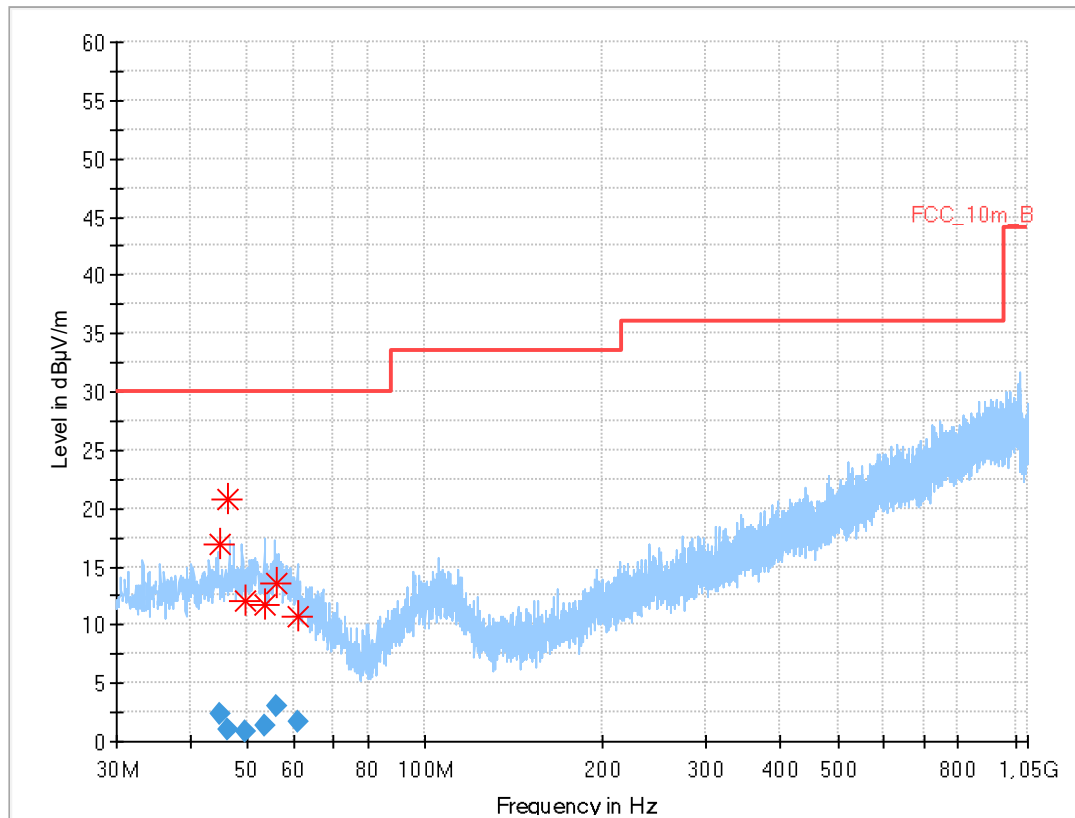
12.3.1 Plots MI e2eFDAudio2K:

Plot 1: 9 kHz – 30 MHz, magnetic spurious emissions FCC



Plot 2: 9 kHz – 30 MHz, magnetic spurious emissions ISED

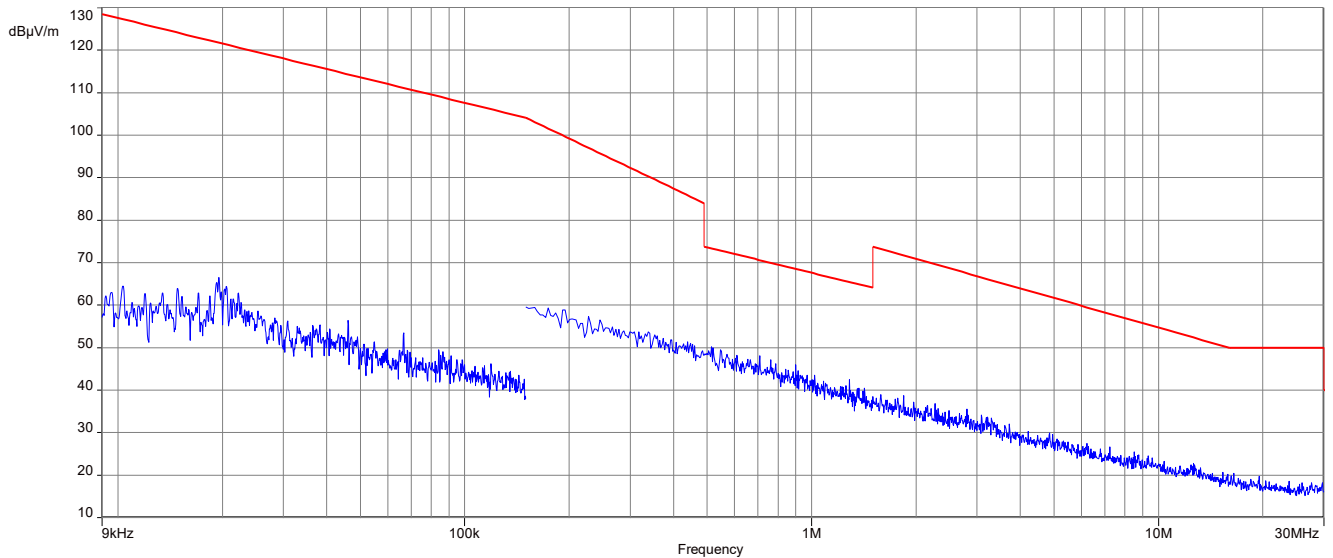


Plot 3: 30 MHz – 1 GHz, vertical and horizontal polarization**Final_Result**

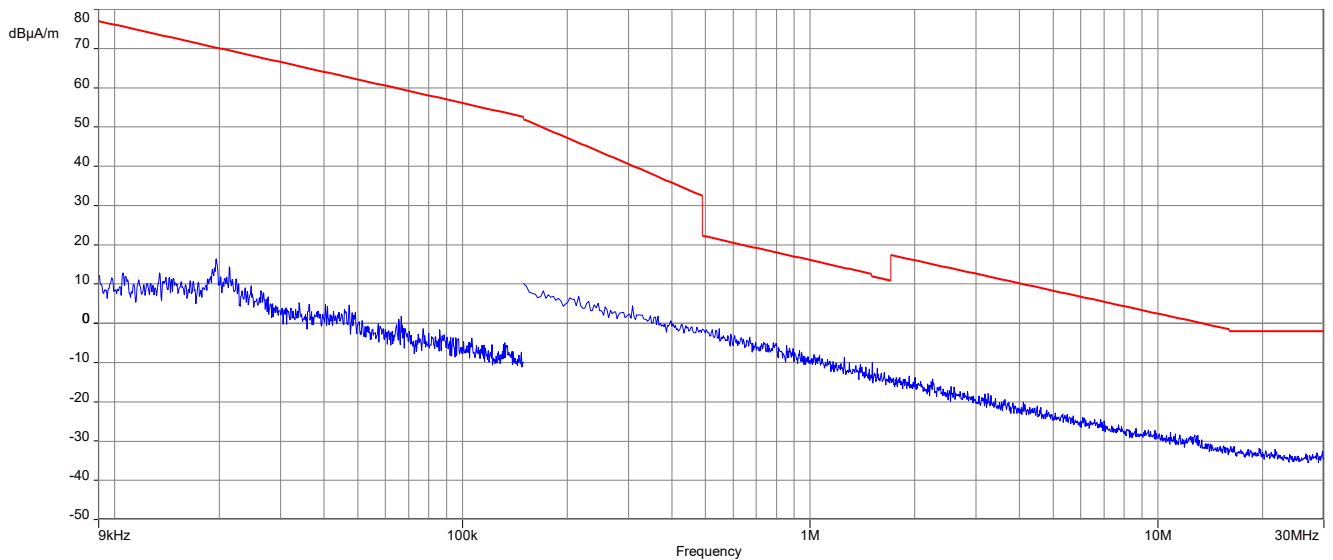
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.059640	2.30	30.00	27.70	1000.0	120.000	195.0	V	307.0	14.2
46.166160	0.97	30.00	29.03	1000.0	120.000	195.0	H	236.0	14.3
49.492680	0.81	30.00	29.19	1000.0	120.000	195.0	V	198.0	14.5
53.375400	1.27	30.00	28.73	1000.0	120.000	177.0	H	217.0	14.3
55.910760	2.99	30.00	27.01	1000.0	120.000	191.0	H	-29.0	15.3
60.941760	1.68	30.00	28.32	1000.0	120.000	195.0	V	71.0	12.9

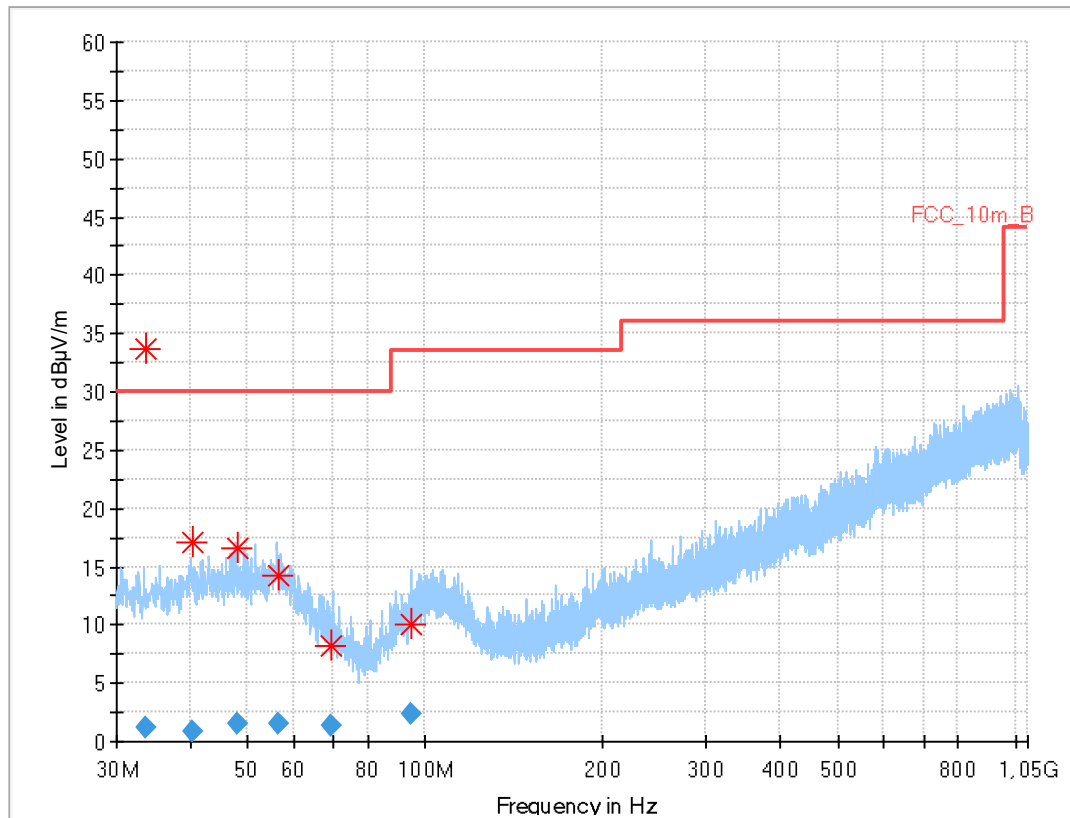
12.3.2 Plots MI e2eFDAudio4K:

Plot 1: 9 kHz – 30 MHz, magnetic spurious emissions FCC



Plot 2: 9 kHz – 30 MHz, magnetic spurious emissions ISED

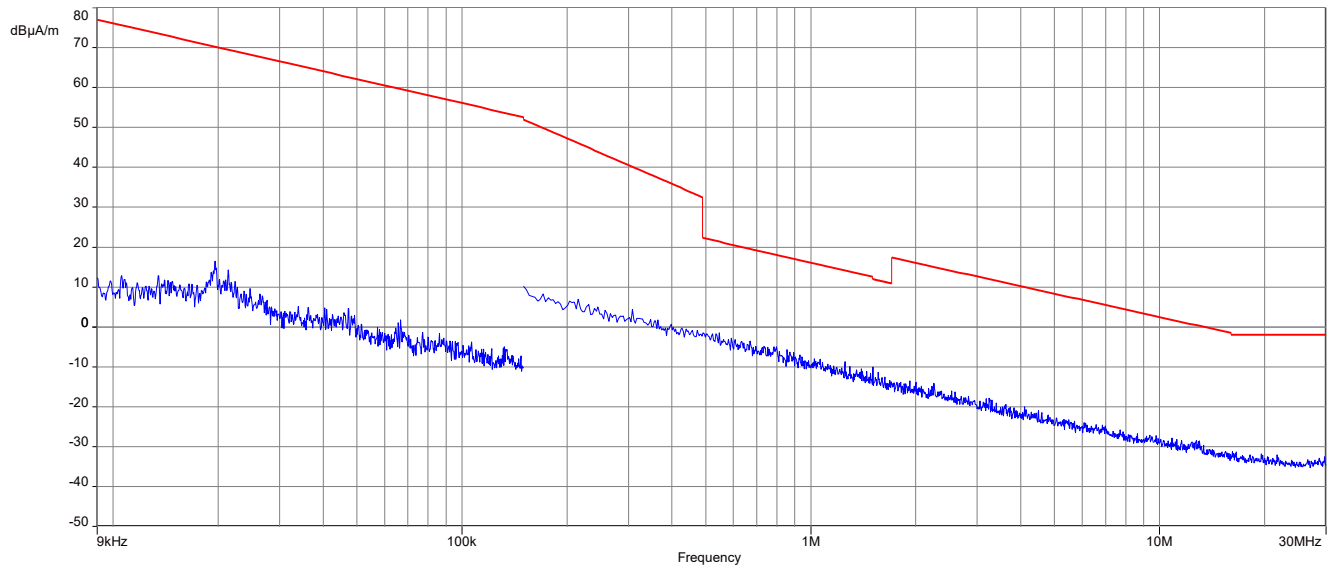


Plot 3: 30 MHz – 1 GHz, vertical and horizontal polarization**Final_Result**

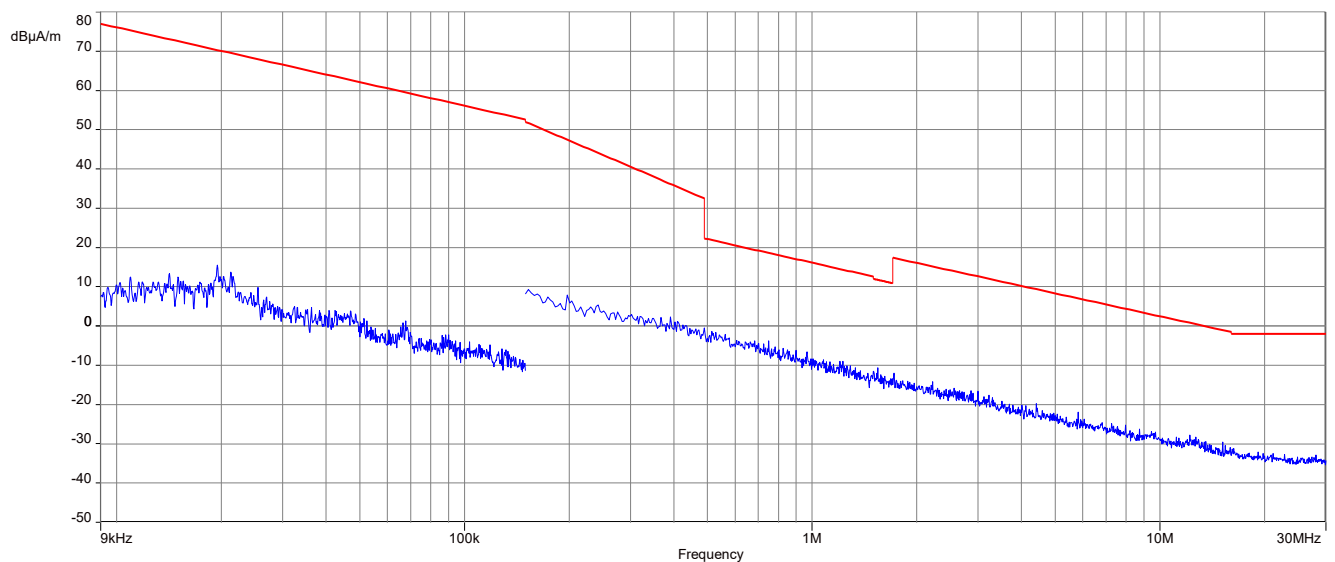
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
33.734280	1.22	30.00	28.78	1000.0	120.000	189.0	H	0.0	12.2
40.338240	0.92	30.00	29.08	1000.0	120.000	165.0	V	80.0	13.6
48.134640	1.58	30.00	28.42	1000.0	120.000	184.0	V	262.0	14.4
56.420760	1.47	30.00	28.53	1000.0	120.000	101.0	V	209.0	15.2
69.377040	1.30	30.00	28.70	1000.0	120.000	106.0	V	207.0	10.2
94.580640	2.30	33.50	32.20	1000.0	120.000	191.0	H	144.0	11.9

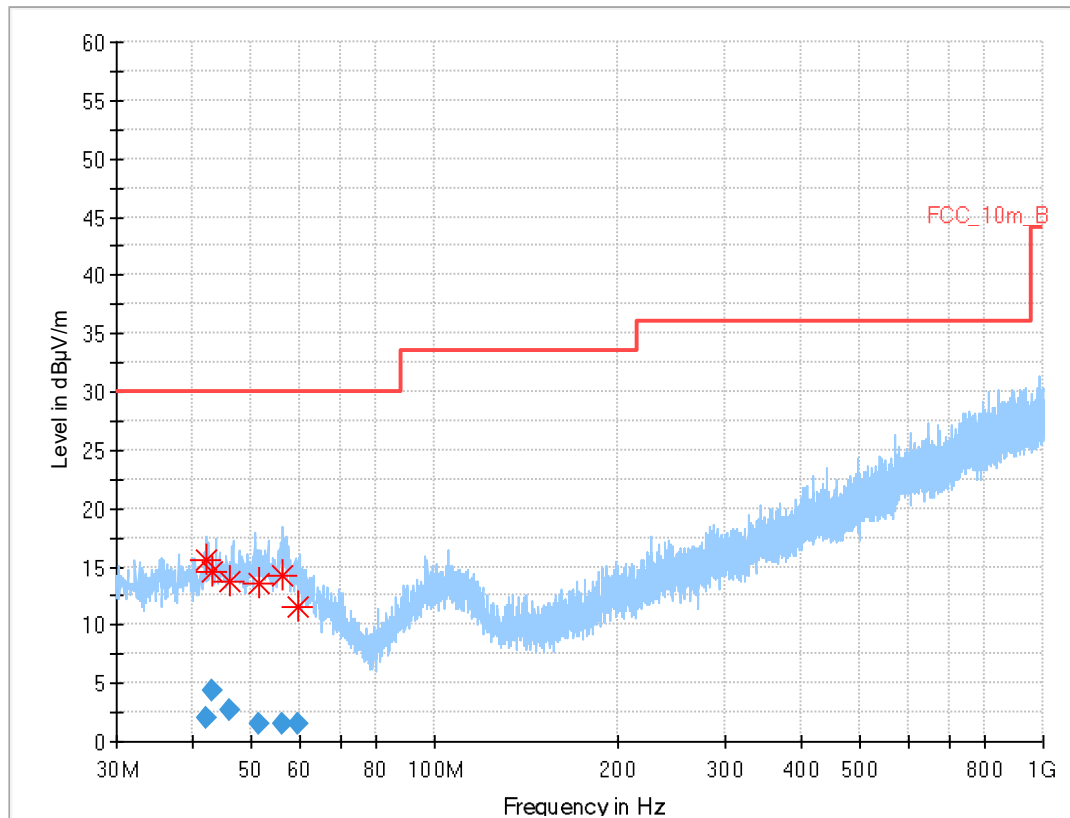
12.3.3 Plots MI e2eFDAudio8K:

Plot 1: 9 kHz – 30 MHz, magnetic spurious emissions FCC



Plot 2: 9 kHz – 30 MHz, magnetic spurious emissions ISED

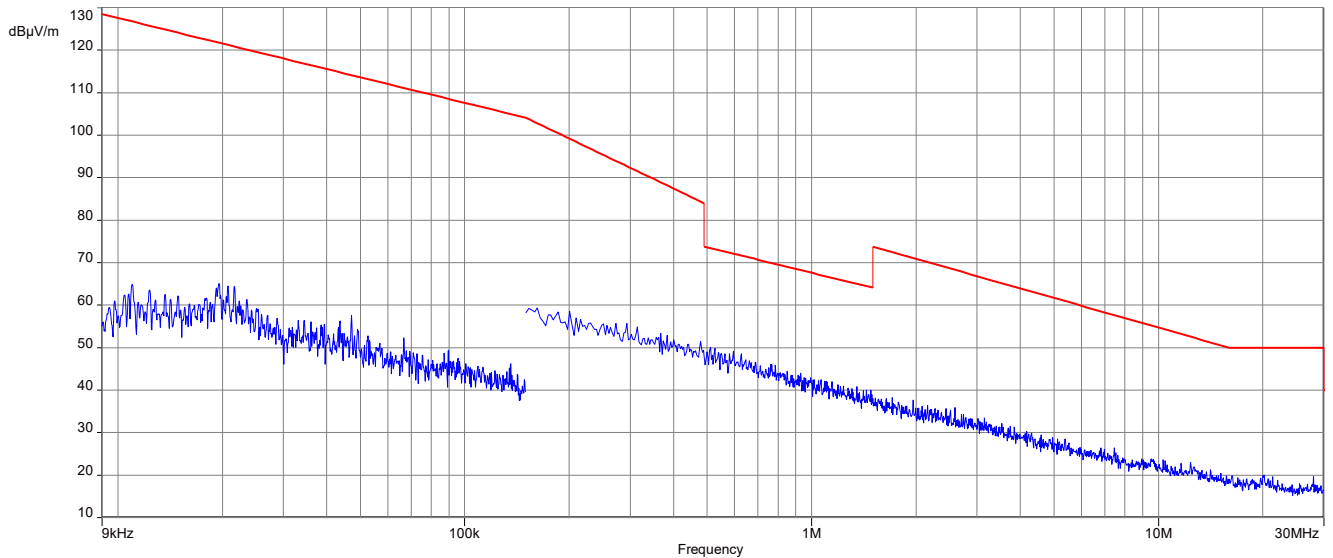


Plot 3: 30 MHz – 1 GHz, vertical and horizontal polarization**Final_Result**

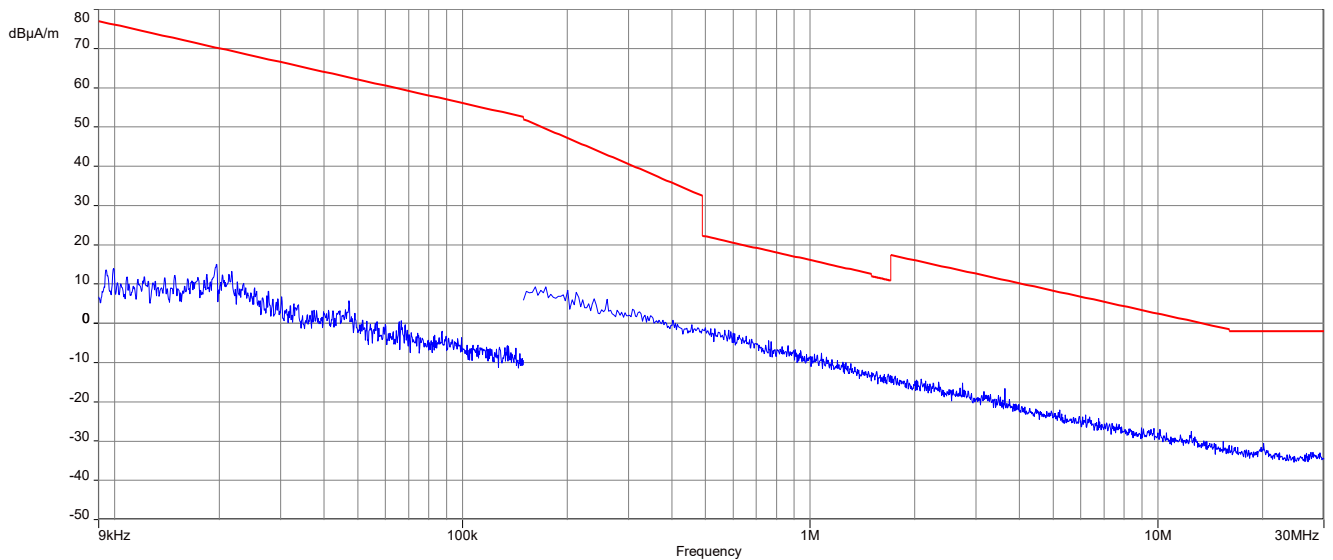
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.146320	2.03	30.00	27.97	1000.0	120.000	133.0	V	182.0	13.9
43.209880	4.30	30.00	25.70	1000.0	120.000	106.0	V	190.0	14.0
46.007520	2.67	30.00	27.33	1000.0	120.000	170.0	V	100.0	14.3
51.298240	1.44	30.00	28.56	1000.0	120.000	98.0	H	-7.0	14.5
56.188300	1.50	30.00	28.50	1000.0	120.000	170.0	H	-4.0	15.3
59.649420	1.48	30.00	28.52	1000.0	120.000	170.0	H	-9.0	13.9

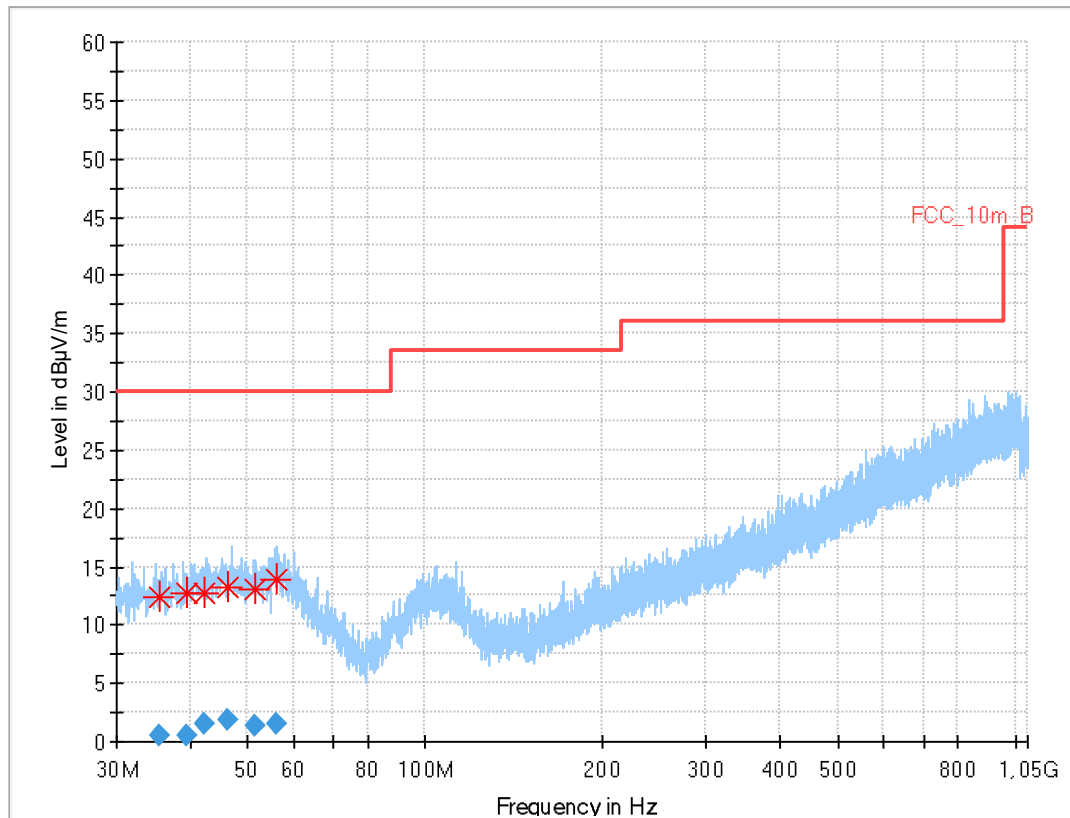
12.3.4 Plots MI e2eFDAudio8K_HQ:

Plot 1: 9 kHz – 30 MHz, magnetic spurious emissions FCC



Plot 2: 9 kHz – 30 MHz, magnetic spurious emissions ISED

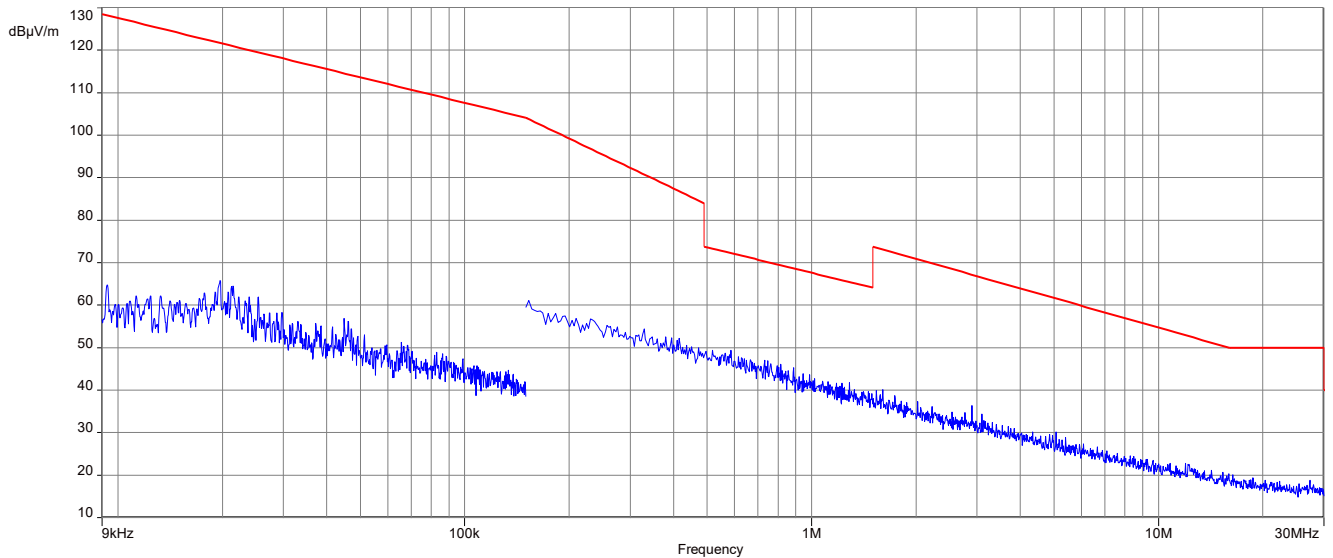


Plot 3: 30 MHz – 1 GHz, vertical and horizontal polarization**Final_Result**

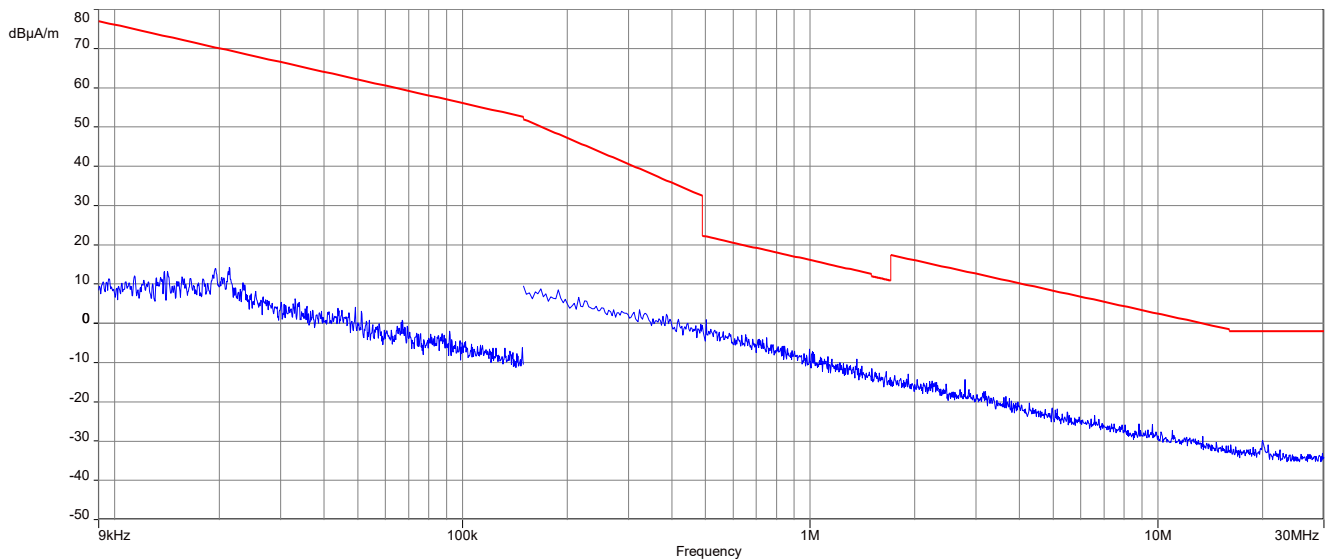
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
35.493960	0.55	30.00	29.45	1000.0	120.000	114.0	V	150.0	12.6
39.398040	0.54	30.00	29.46	1000.0	120.000	118.0	H	143.0	13.5
42.207840	1.48	30.00	28.52	1000.0	120.000	195.0	V	-35.0	13.9
46.410840	1.92	30.00	28.08	1000.0	120.000	195.0	V	18.0	14.3
51.331200	1.37	30.00	28.63	1000.0	120.000	191.0	V	195.0	14.5
55.830240	1.47	30.00	28.53	1000.0	120.000	195.0	V	196.0	15.3

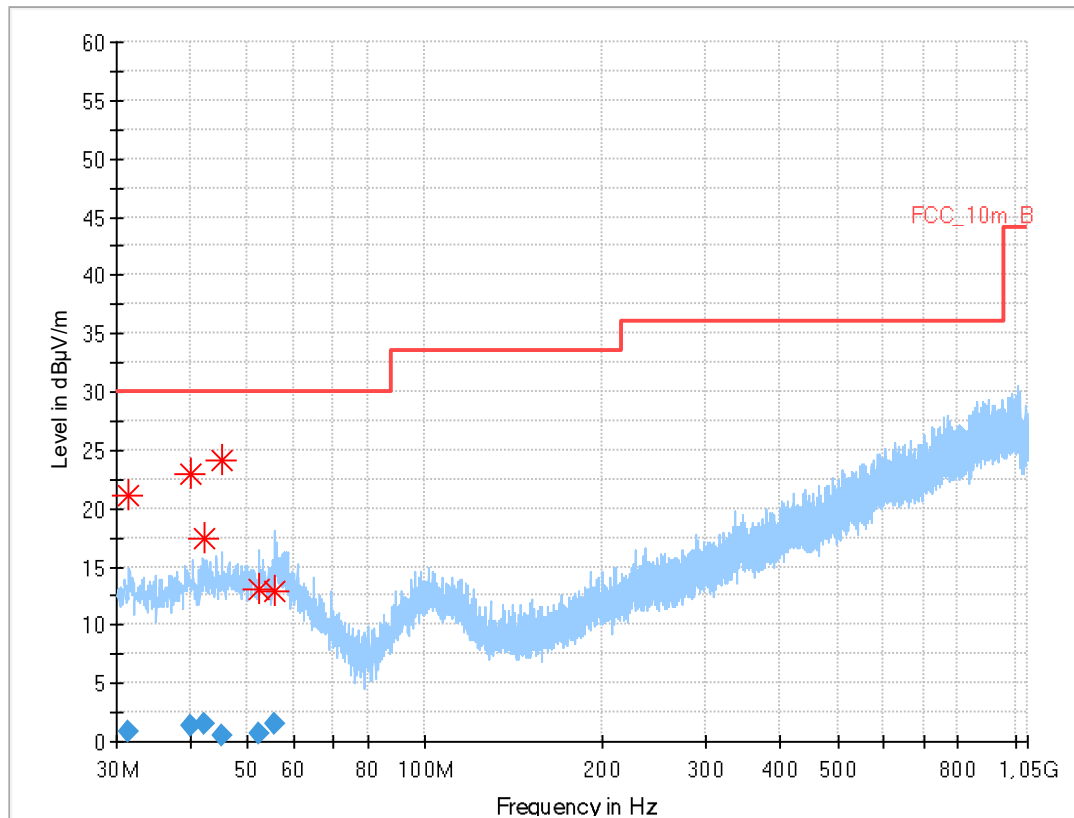
12.3.5 Plots MI e2eTdAudio:

Plot 1: 9 kHz – 30 MHz, magnetic spurious emissions FCC



Plot 2: 9 kHz – 30 MHz, magnetic spurious emissions ISED

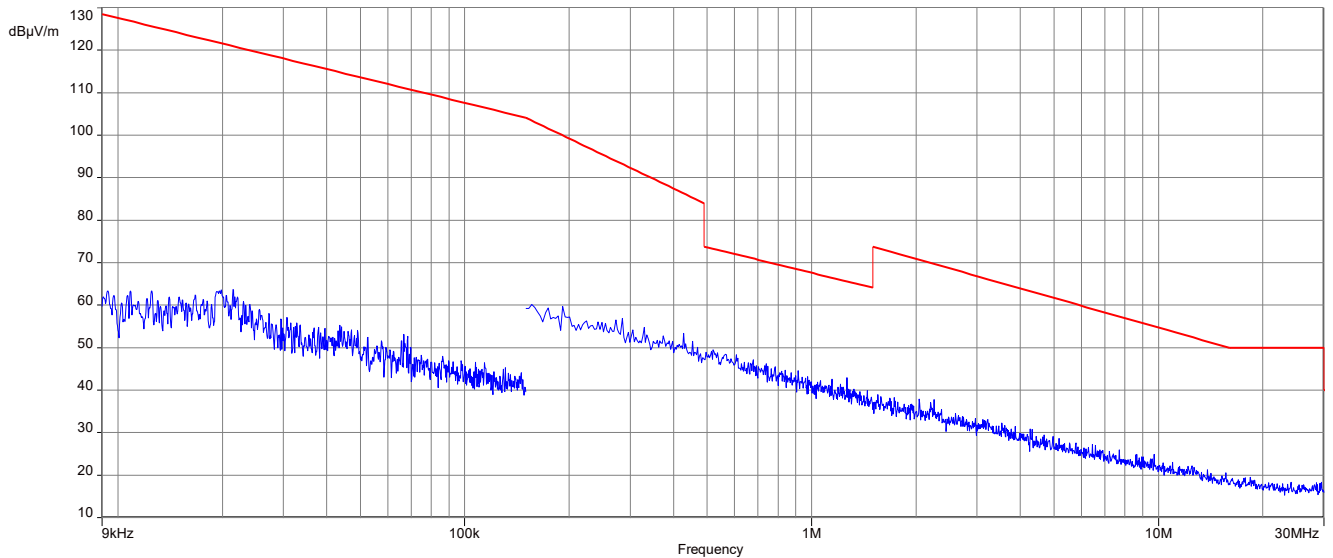


Plot 3: 30 MHz – 1 GHz, vertical and horizontal polarization**Final_Result**

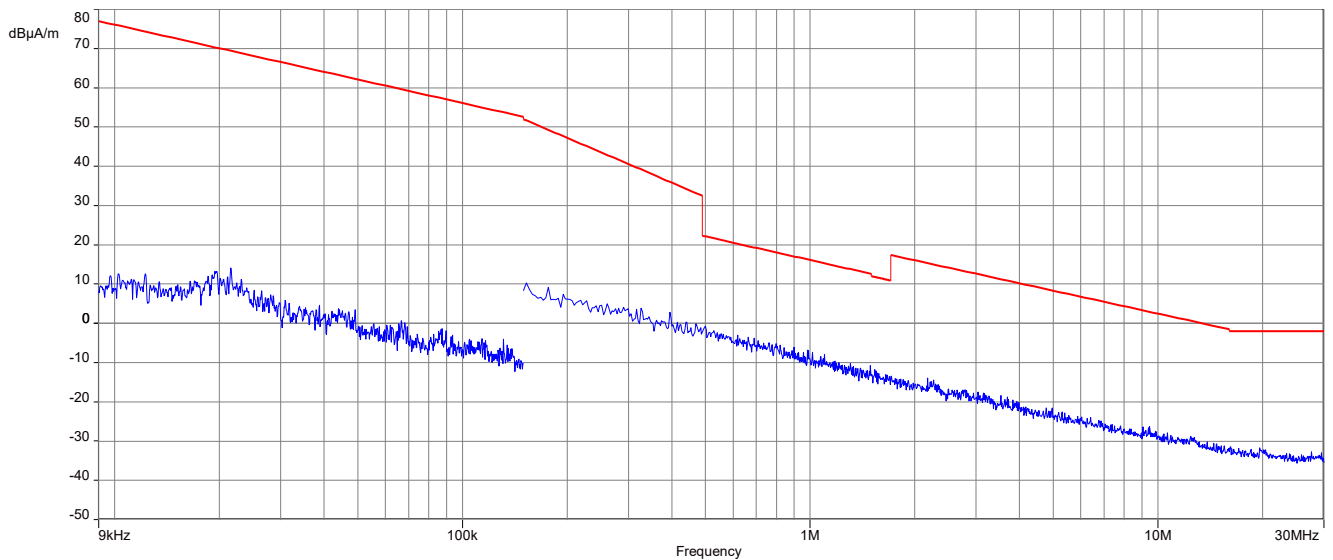
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.296240	0.85	30.00	29.15	1000.0	120.000	195.0	V	68.0	12.2
40.004280	1.32	30.00	28.68	1000.0	120.000	119.0	H	189.0	13.6
42.246600	1.46	30.00	28.54	1000.0	120.000	195.0	H	-34.0	13.9
45.344160	0.45	30.00	29.55	1000.0	120.000	195.0	H	106.0	14.2
52.266360	0.62	30.00	29.38	1000.0	120.000	195.0	H	111.0	14.4
55.535520	1.51	30.00	28.49	1000.0	120.000	195.0	V	279.0	15.1

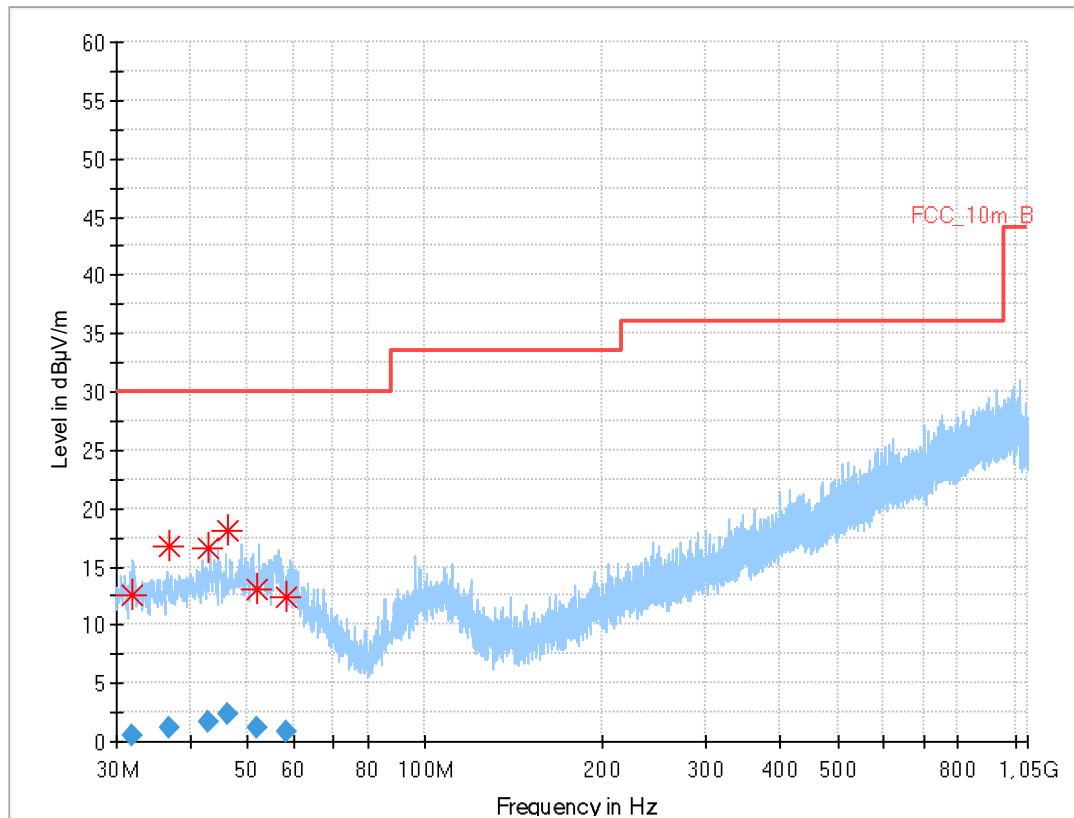
12.3.6 Plots MI e2eData:

Plot 1: 9 kHz – 30 MHz, magnetic spurious emissions FCC



Plot 2: 9 kHz – 30 MHz, magnetic spurious emissions ISED



Plot 3: 30 MHz – 1 GHz, vertical and horizontal polarization**Final_Result**

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.773000	0.49	30.00	29.51	1000.0	120.000	195.0	V	285.0	12.2
36.779640	1.25	30.00	28.75	1000.0	120.000	191.0	V	-10.0	12.9
42.962760	1.65	30.00	28.35	1000.0	120.000	109.0	H	102.0	14.0
46.257720	2.40	30.00	27.60	1000.0	120.000	195.0	V	-35.0	14.3
52.039080	1.19	30.00	28.81	1000.0	120.000	174.0	V	185.0	14.4
58.393680	0.90	30.00	29.10	1000.0	120.000	195.0	V	-36.0	14.3

13 Glossary

AVG	Average
C	Compliant
C/N₀	Carrier to noise-density ratio, expressed in dB-Hz
CAC	Channel availability check
CW	Clean wave
DC	Duty cycle
DFS	Dynamic frequency selection
DSSS	Dynamic sequence spread spectrum
DUT	Device under test
EN	European Standard
ETSI	European Telecommunications Standards Institute
EMC	Electromagnetic Compatibility
EUT	Equipment under test
FCC	Federal Communications Commission
FCC ID	Combination of Grantee Code and Equipment Product Code
FHSS	Frequency hopping spread spectrum
FVIN	Firmware version identification number
GNSS	Global Navigation Satellite System
GUE	GNSS User Equipment
HMN	Host marketing name
HVIN	Hardware version identification number
HW	Hardware
ISED	Innovation, Science and Economic Development Canada
Inv. No.	Inventory number
MC	Modulated carrier
NA	Not applicable
NC	Not compliant
NOP	Non occupancy period
NP	Not performed
OBW	Occupied bandwidth
OC	Operating channel
OCW	Operating channel bandwidth
OFDM	Orthogonal frequency division multiplexing
OOB	Out of band
OP	Occupancy period
PER	Packet error rate
PMN	Product marketing name
PP	Positive peak
QP	Quasi peak
RLAN	Radio local area network
S/N or SN	Serial number
SW	Software
UUT	Unit under test
WLAN	Wireless local area network

14 Document history

Version	Applied changes	Date of release
R01	Initial release	2026-06-01

END OF TEST REPORT