

Dates of Tests: Jun 19, 2026 ~ Oct 08, 2026
Test Report S/N: LR500112609F
Test Site : LTA CO., LTD.

CERTIFICATION OF COMPLIANCE

FCC ID.

2BH6E-NCWB87R01VI

APPLICANT

Nucode Co., Ltd.

Equipment Class	:	Digital Transmission System (DTS)
Manufacturing Description	:	Bluetooth/WiFi Module
Manufacturer	:	Nucode Co., Ltd.
Model name	:	NCWB87R01VI
Variant Model name	:	NCWB87R01VC
Test Device Serial No.:	:	Identical prototype
Rule Part(s)	:	FCC Part 15.247 Subpart C ; ANSI C63.10 - 2020
Frequency Range	:	WLAN-2412 ~ 2472 MHz 2422 ~ 2462 MHz
Max. Output Power	:	Max 9.66 dBm - Conducted
Data of issue	:	October 20 ,2026

This test report is issued under the authority of:



Eun-Hwan Jung, Manager

The test was supervised by:



In-Sun Lee, Test Engineer

Revision history

Revision	Date of issue	Description	Revised by
--	Oct 20 ,2026	Initial	-

TABLE OF CONTENTS

1. GENERAL INFORMATION	-----	3
2. INFORMATION ABOUT TEST ITEM	-----	4
3. TEST REPORT	-----	5
3.1 SUMMARY OF TESTS	-----	5
3.2 TECHNICAL CHARACTERISTICS TEST	-----	6
3.2.1 6 dB BANDWIDTH	-----	6
3.2.2 PEAK OUTPUT POWER	-----	12
3.2.3 POWER SPECTRAL DENSITY	-----	14
3.2.4 BAND EDGE	-----	20
3.2.5 CONDUCTED SPURIOUS EMISSIONS	-----	26
3.2.6 RADIATED SPURIOUS EMISSIONS	-----	32
3.2.7 AC CONDUCTED EMISSIONS	-----	47
APPENDIX		
APPENDIX TEST EQUIPMENT USED FOR TESTS	-----	48

1. General information

1-1 Test Performed

Company name : LTA Co., Ltd.
 Address : 243, Jubug-ri, Yangji-Myeon, Youngin-Si, Kyunggi-Do, Korea. 17159
 Web site : <http://www.ltalab.com>
 E-mail : chahn@ltalab.com
 Telephone : +82-31-323-6008
 Facsimile : +82-31-323-6010

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the “General requirements for the competents of calibration and testing laboratory”.

1-2 Accredited agencies

LTA Co., Ltd. is approved to perform EMC testing by the following agencies:

Agency	Country	Accreditation No.	Validity	Reference
RRA	KOREA	KR0049	-	EMC accredited Lab.
FCC	U.S.A	649054	2027-02-27	FCC CAB
VCCI	JAPAN	C-14948,	2026-09-10	VCCI registration
VCCI	JAPAN	T-12416,	2026-09-10	VCCI registration
VCCI	JAPAN	R-14483	2026-10-15	VCCI registration
VCCI	JAPAN	G-10847	2027-12-13	VCCI registration
IC	CANADA	5799A-1	2028-07-31	IC filing

2. Information about test item

2-1 Client & Manufacturer

Client Company name : Nocode Co., Ltd.
 Address : 3rd floor, 557 Yeok-Sam-Ro, Gangnam-Gu, Seoul, South Korea
 Tel / Fax : +82-10-5061-5233
 Manufacturer : Nocode Co., Ltd.
 Address : 3rd floor, 557 Yeok-Sam-Ro, Gangnam-Gu, Seoul, South Korea
 Tel / Fax : +82-10-5061-5233

2-2 Equipment Under Test (EUT)

Model name : NCWB87R01VI
 Serial number : Identical prototype
 Date of receipt : Jun 19, 2025
 EUT condition : Pre-production, not damaged
 Antenna type : FPC Antenna (Gain : 3.2 dBi)
 Frequency Range : 2412 ~ 2472 MHz
 2422 ~ 2462 MHz
 RF output power : Max 9.66 dBm – Conducted
 Type of Modulation : CCK,DSSS,OFDM
 Power Source : DC 3.3 V

2-3 Tested frequency

	LOW	MID	HIGH
Frequency (MHz)	2412	2442	2472

2-4 Ancillary Equipment

Equipment	Model No.	Serial No.	Manufacturer
Notebook	-	MS-1736	MSI

3. Test Report

3.1 Summary of tests

FCC Part Section(s)	Parameter	Test Condition	Status (note 1)
15.247(a)	6 dB Bandwidth &99% Occupied Bandwidth	Conducted	C
15.247(b)	Transmitter Peak Output Power		C
15.247(e)	Transmitter Power Spectral Density		C
15.247(d)	Band Edge & Conducted Spurious emission		C
15.209	Transmitter emission	Radiated	C
15.207	AC Conducted Emissions	Conducted	N/A
15.203	Antenna requirement	-	C

N/A : This product is only operated with DC voltage.

The above equipment was tested by LTA Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10-2020 and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules Part 2 and Part 15.247 The test results of this report relate only to the tested sample identified in this report.

The tests were performed according to the method of measurements prescribed in KDB No.558074.

→ Antenna Requirement

Nucode Co., Ltd. FCC ID: 2BH6E-NCWB87R01VI unit complies with the requirement of §15.203.

The antenna type is FPCAntenna

3.2 Technical Characteristics Test

3.2.1 6 dB Bandwidth

Procedure:

The bandwidth at 6 dB below the highest in-band spectral density was measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate frequencies.

After the trace being stable, Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 6 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 6 dB bandwidth of the emission.

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

RBW = 100 kHz

Span = 3 X RBW

VBW = 3 X RBW

Sweep = auto

Trace = max hold

Detector function = peak

Measurement Data : Complies

Mode:b mode

Frequency (MHz)	Test Results	
	Measured Bandwidth (MHz)	Result
2412	11.00	Complies
2442	10.83	Complies
2472	11.14	Complies

Mode:g mode

Frequency (MHz)	Test Results	
	Measured Bandwidth (MHz)	Result
2412	17.45	Complies
2442	17.16	Complies
2472	17.77	Complies

Mode:n20 mode

Frequency (MHz)	Test Results	
	Measured Bandwidth (MHz)	Result
2412	18.81	Complies
2442	18.93	Complies
2472	18.50	Complies

Mode:n40 mode

Frequency (MHz)	Test Results	
	Measured Bandwidth (MHz)	Result
2422	37.16	Complies
2442	37.16	Complies
2462	37.40	Complies

- See next pages for actual measured spectrum plots.

Minimum Standard:

6 dB Bandwidth $\geq$ 500 kHz

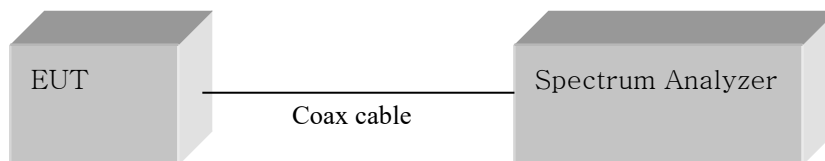
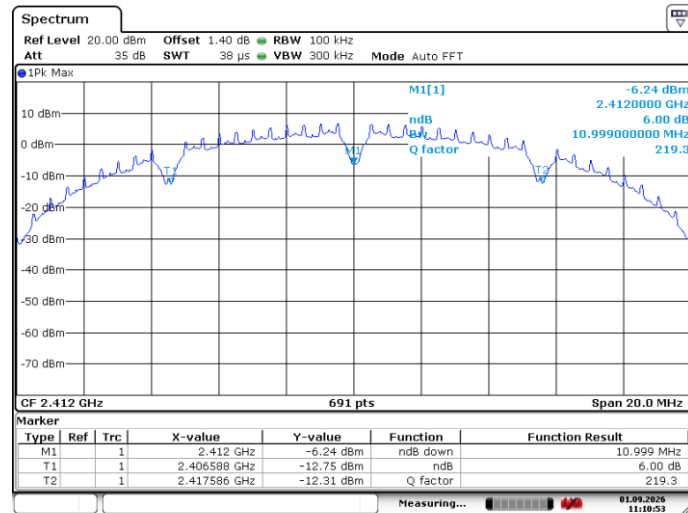
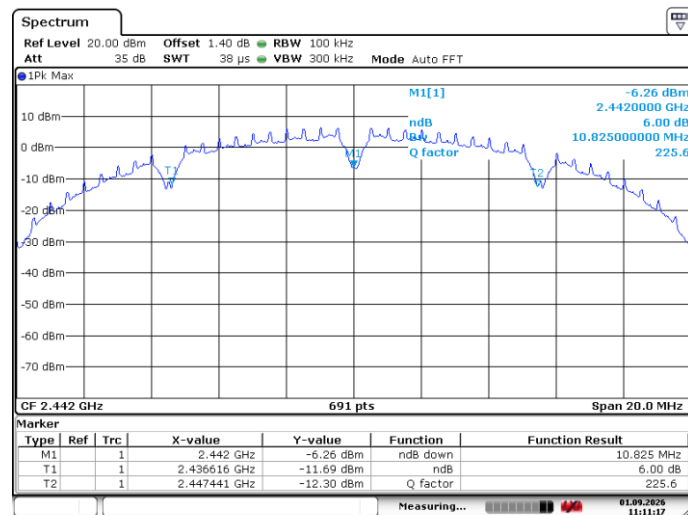
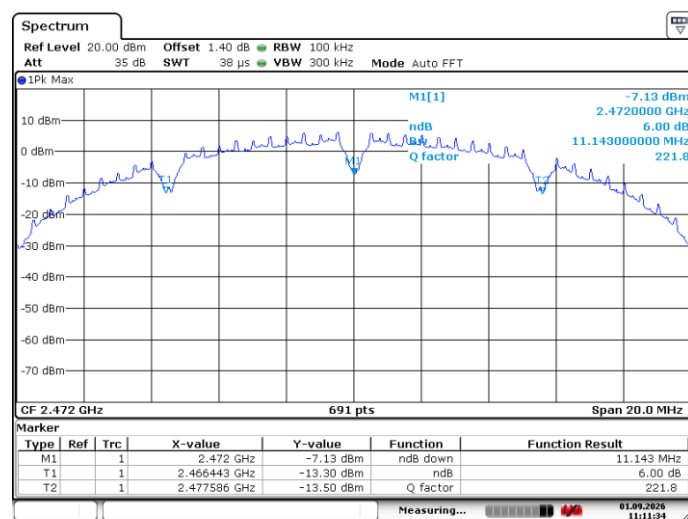
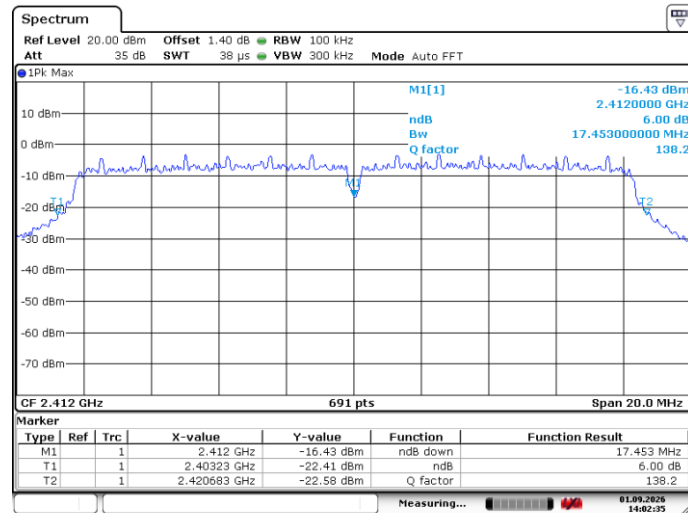
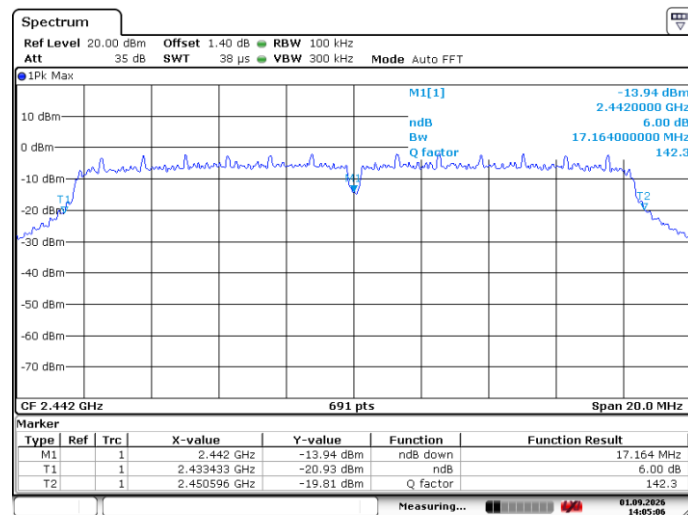
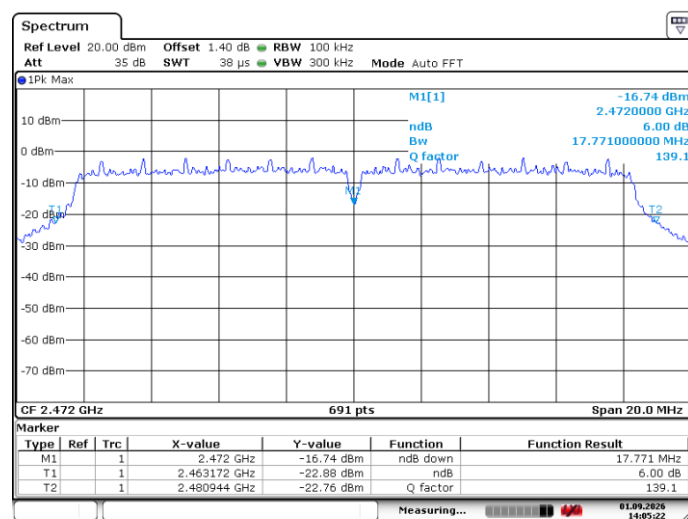
Measurement Setup

Figure 1: Measurement setup for the carrier frequency separation

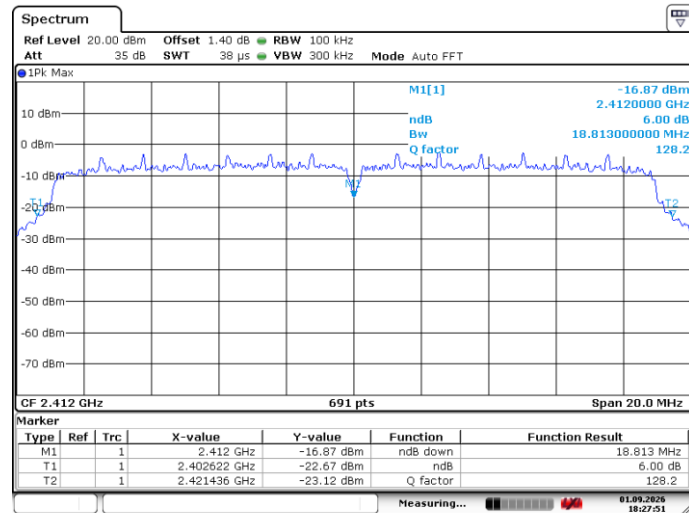
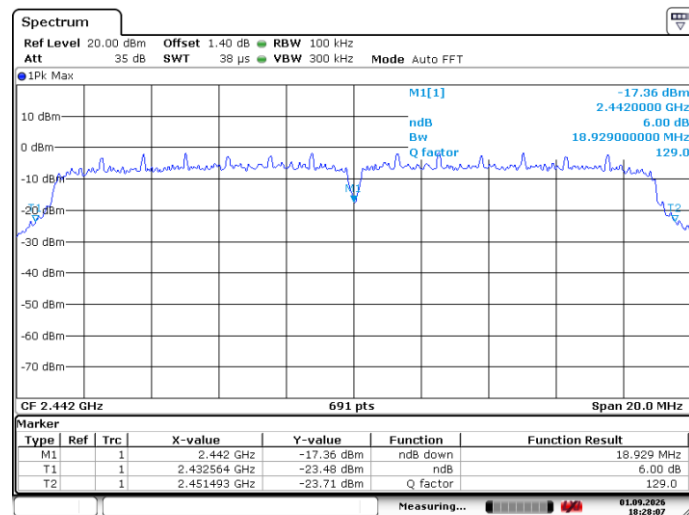
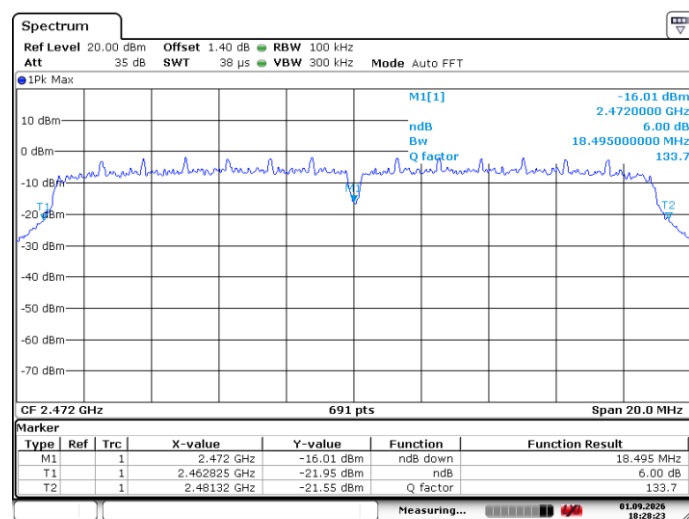
B mode



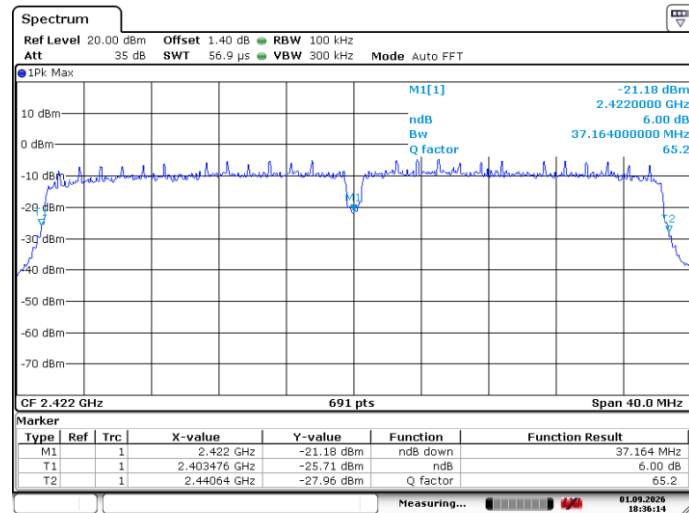
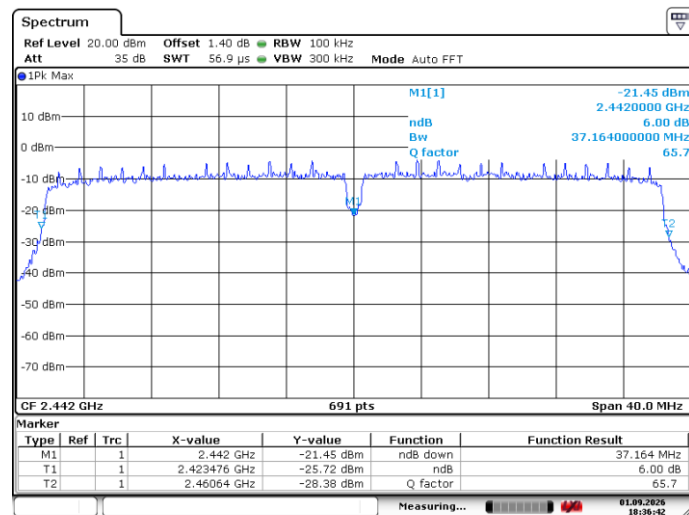
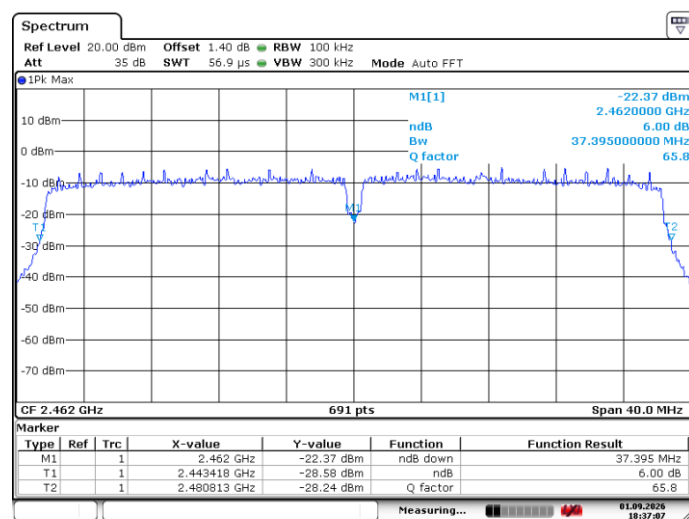
G mode



N20 mode



N40 mode



3.2.2 Peak Output Power Measurement

Procedure:

The following procedure can be used when the maximum available RBW of the instrument is less than the DTS bandwidth :

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

RBW $\geq$ DTS Bandwidth

Span $\geq 3 \times$ RBW

VBW = $3 \times$ RBW

Sweep = auto

Detector function = peak

Measurement Data : Complies

Mode:b mode

Frequency (MHz)	Test Results	
	Measured data (dBm)	Result
2412	8.88	Complies
2442	9.66	Complies
2472	9.56	Complies

Mode:g mode

Frequency (MHz)	Test Results	
	Measured data (dBm)	Result
2412	5.19	Complies
2442	6.35	Complies
2472	6.10	Complies

Mode:n20 mode

Frequency (MHz)	Test Results	
	Measured data (dBm)	Result
2412	5.17	Complies
2442	6.09	Complies
2472	6.13	Complies

Mode:n40 mode

Frequency (MHz)	Test Results	
	Measured data (dBm)	Result
2422	3.20	Complies
2442	3.07	Complies
2462	3.50	Complies

- See next pages for actual measured spectrum plots.

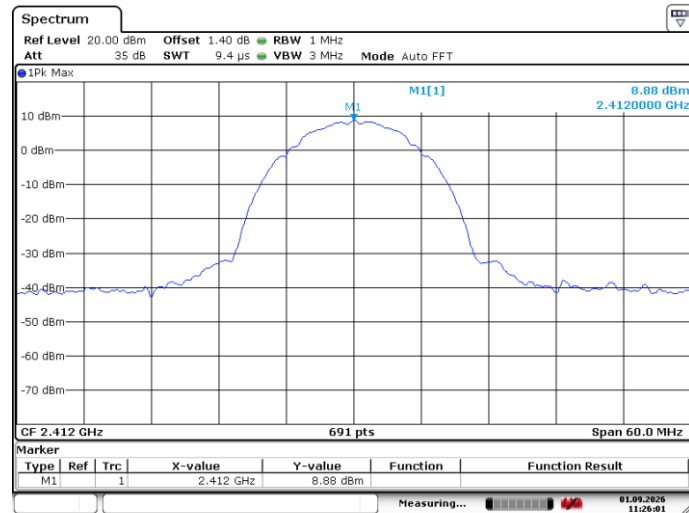
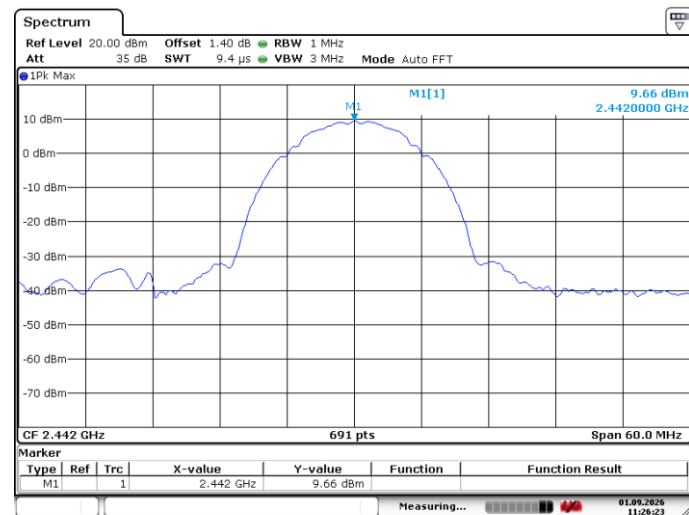
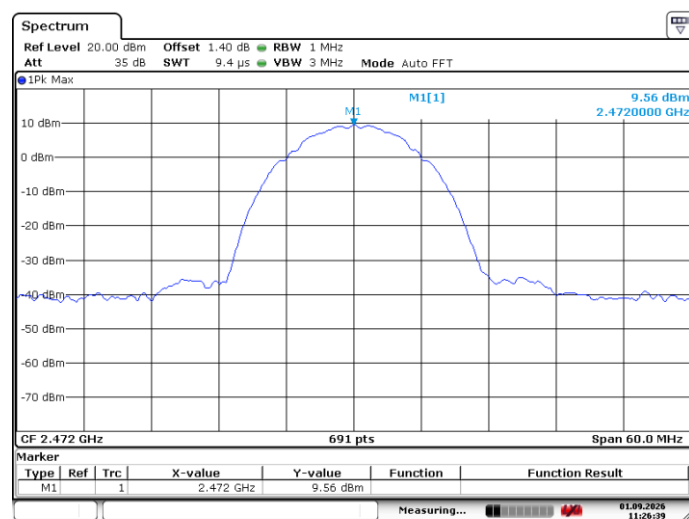
Minimum Standard:

Peak output power	$\leq 1 \text{ W}(30 \text{ dBm})$
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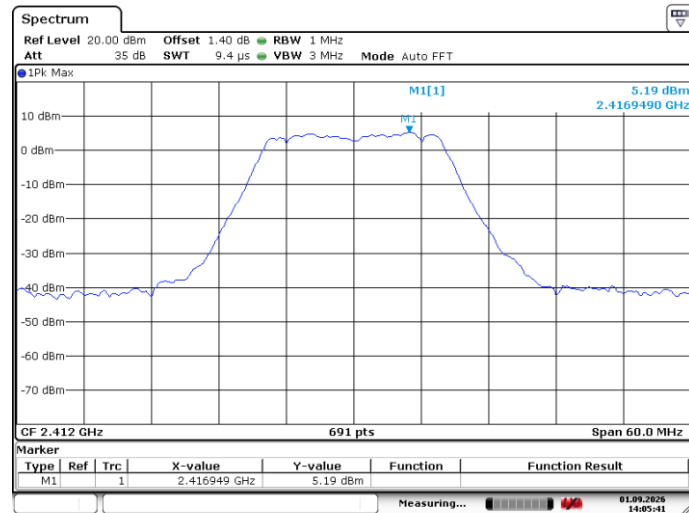
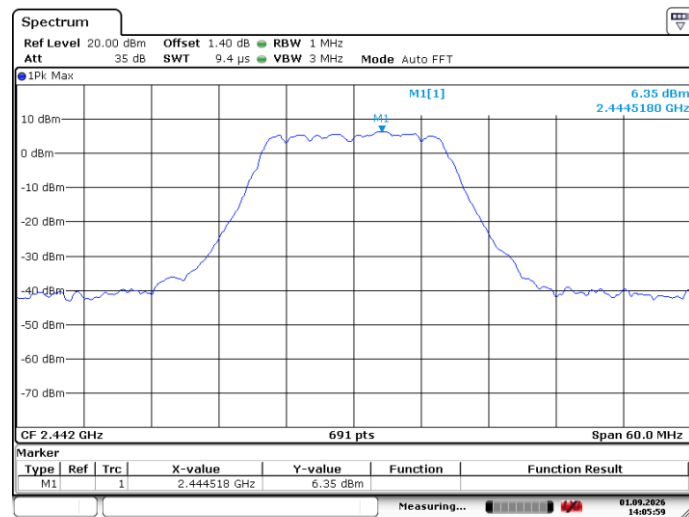
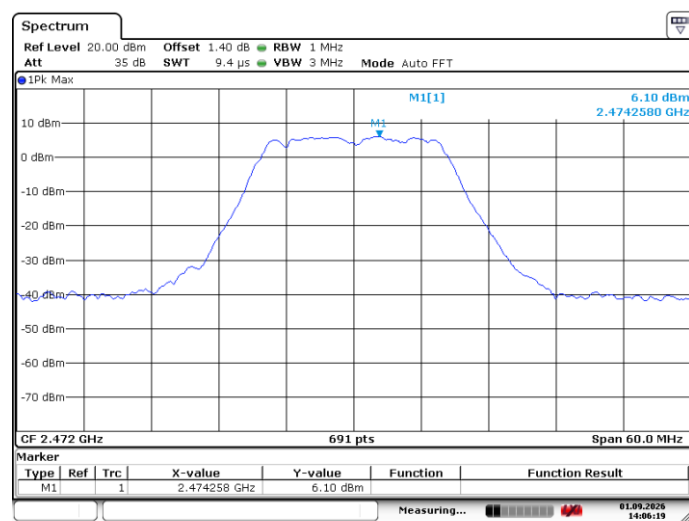
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

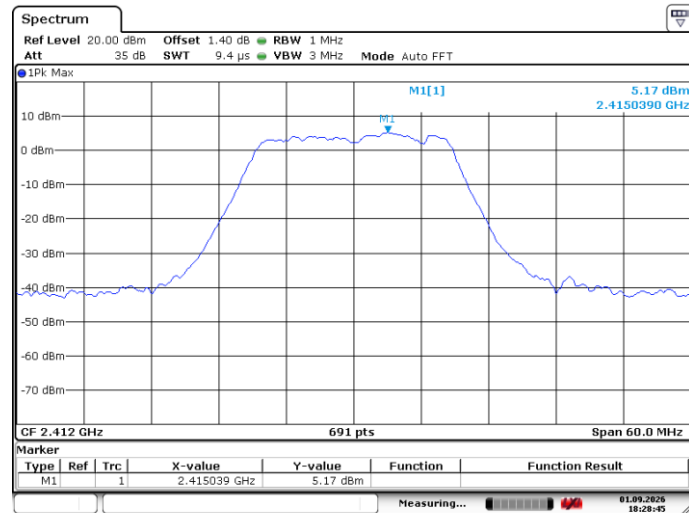
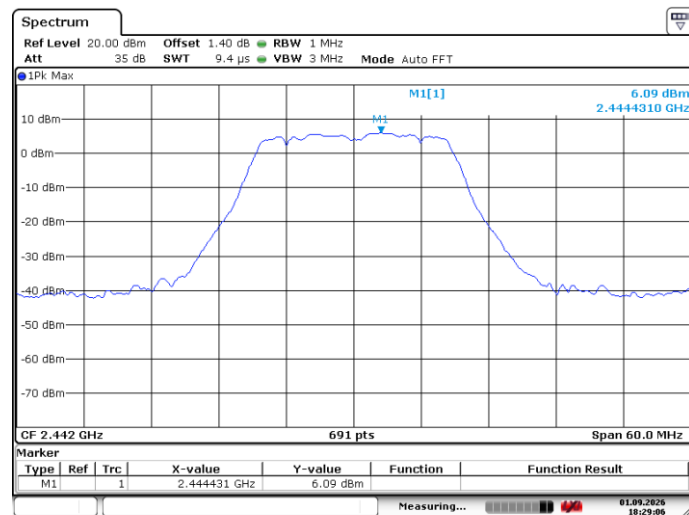
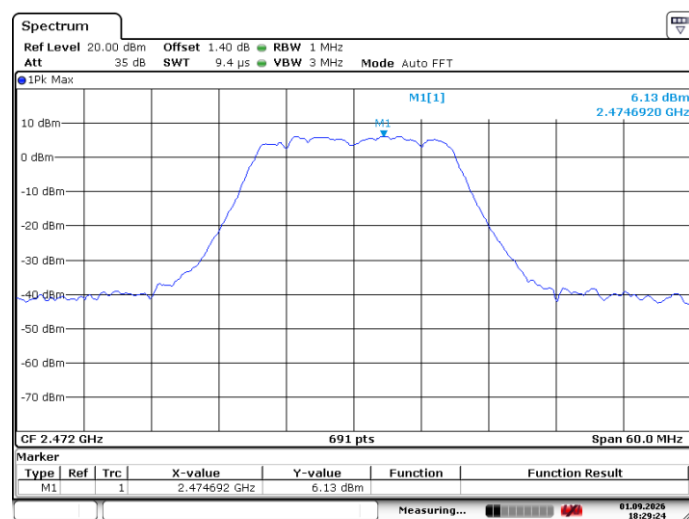
B mode



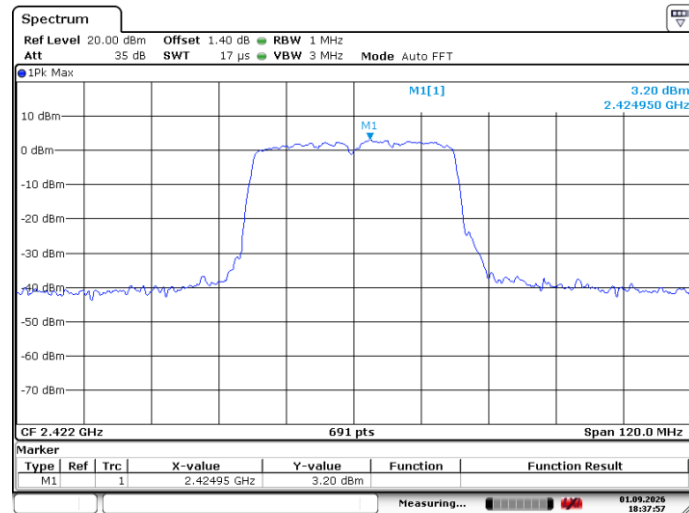
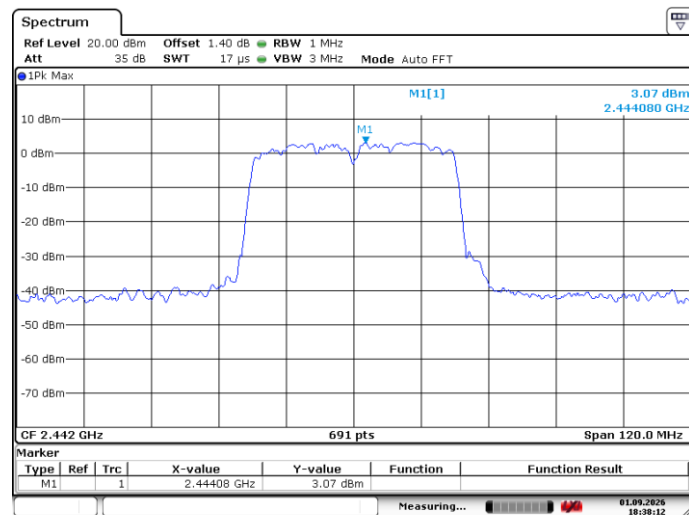
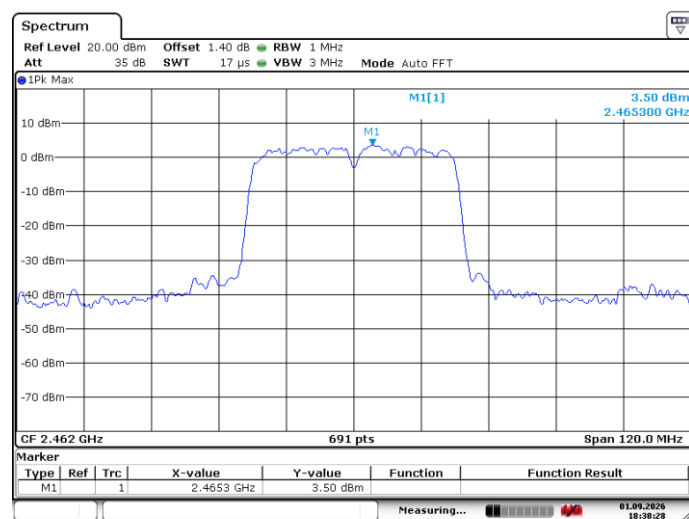
G mode



N20 mode



N40 mode



3.2.3 Power Spectral Density

Procedure:

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance.

The spectrum analyzer is set to:

RBW = 3 kHz ($3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$)

Span ≥ 1.5 times the DTS bandwidth

VBW = 3 X RBW

Sweep = auto

Detector function = peak

Trace = max hold

Measurement Data : Complies

Mode:b mode

Frequency (MHz)	Test Results	
	dBm / 3 kHz BW	Result
2412	-8.06	Complies
2442	-7.79	Complies
2472	-7.98	Complies

Mode:g mode

Frequency (MHz)	Test Results	
	dBm / 3 kHz BW	Result
2412	-16.68	Complies
2442	-15.51	Complies
2472	-16.06	Complies

Mode:n20 mode

Frequency (MHz)	Test Results	
	dBm / 3 kHz BW	Result
2412	-15.48	Complies
2442	-15.99	Complies
2472	-16.06	Complies

Mode:n40 mode

Frequency (MHz)	Test Results	
	dBm / 3 kHz BW	Result
2422	-19.98	Complies
2442	-18.55	Complies
2462	-18.93	Complies

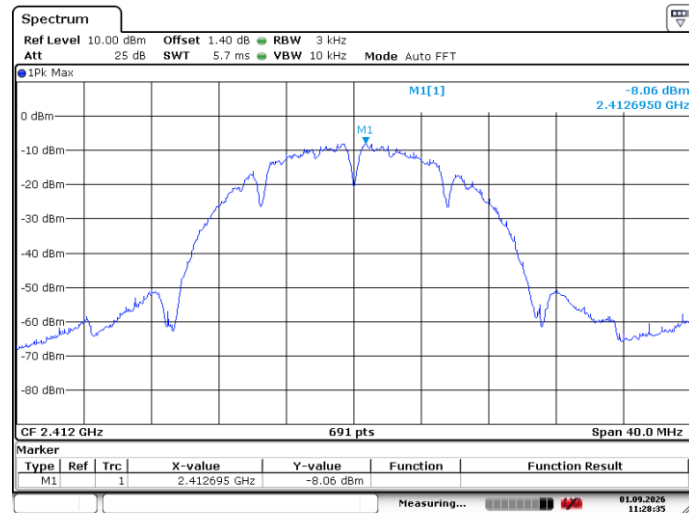
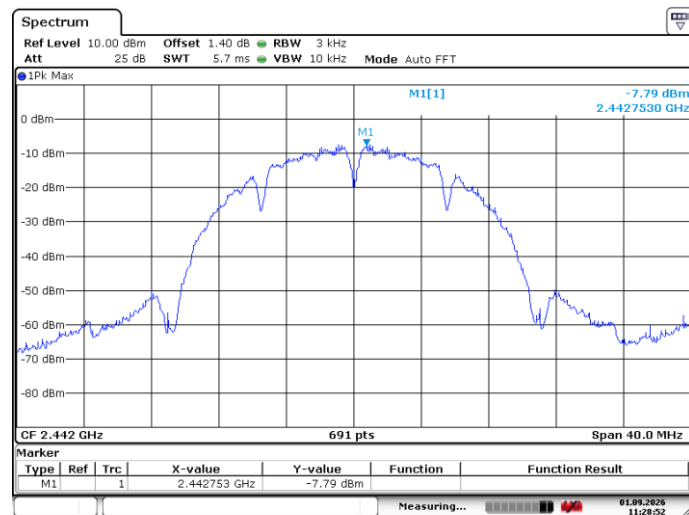
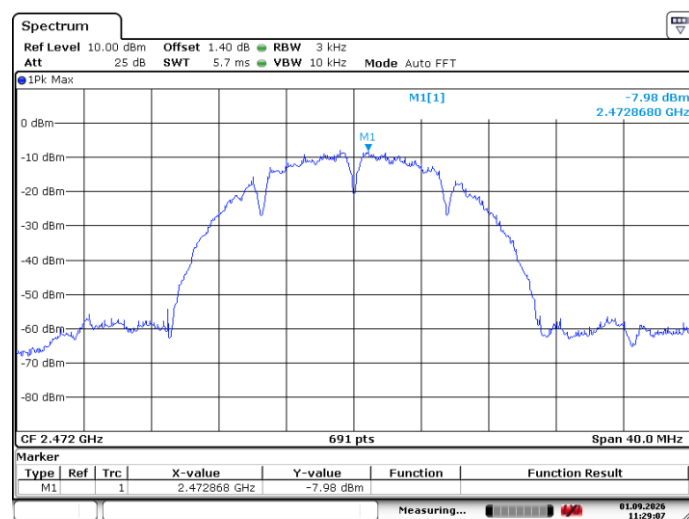
- See next pages for actual measured spectrum plots.

Minimum Standard:

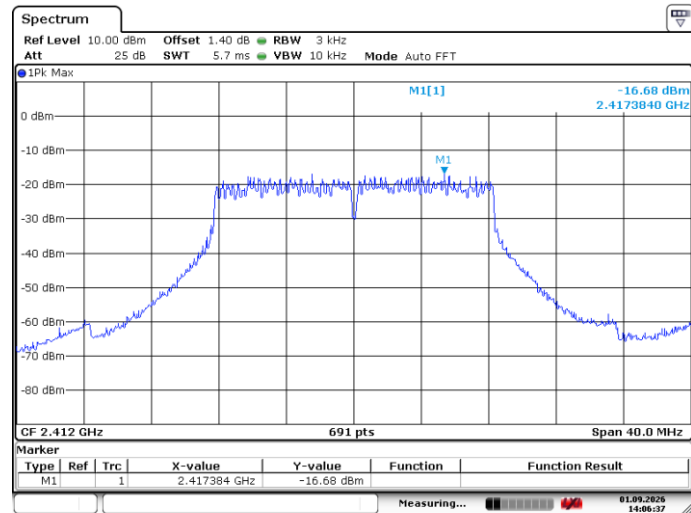
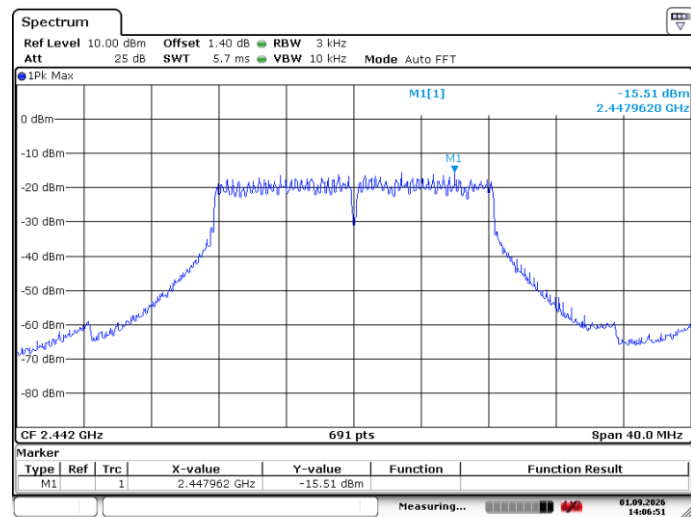
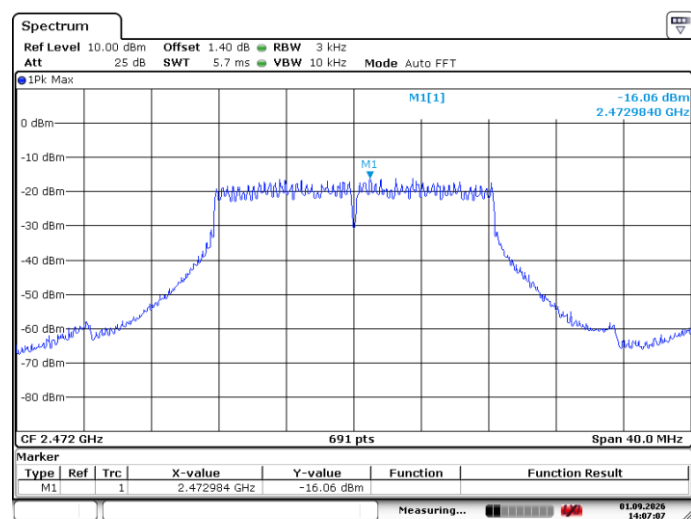
Power Spectral Density	$\leq 8 \text{ dBm @ } 3 \text{ kHz BW}$
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Measurement Setup

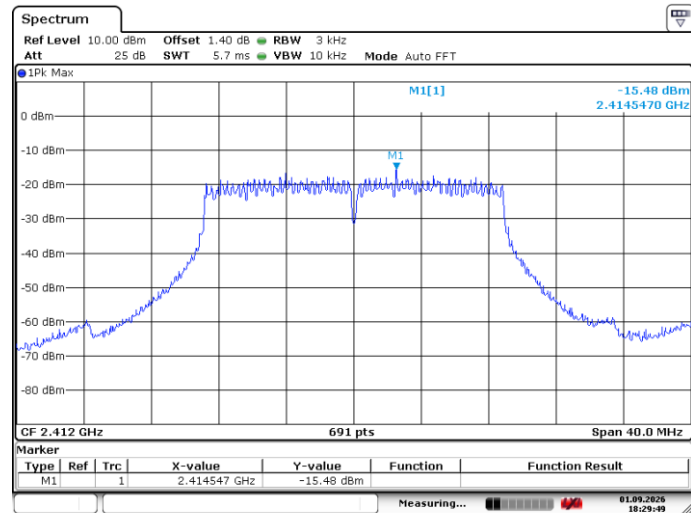
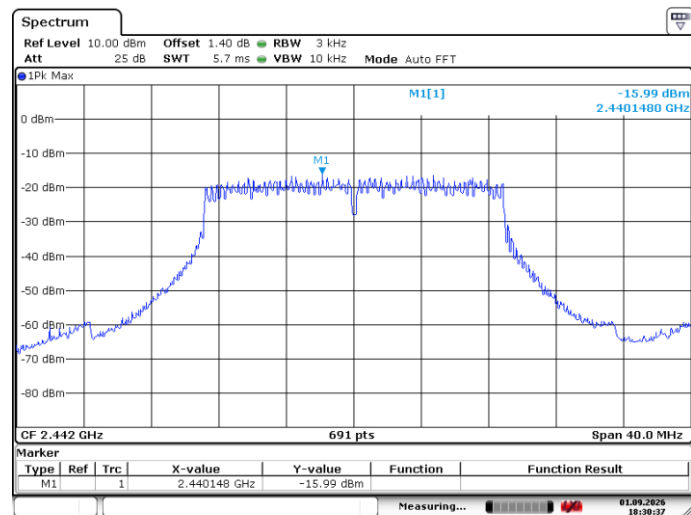
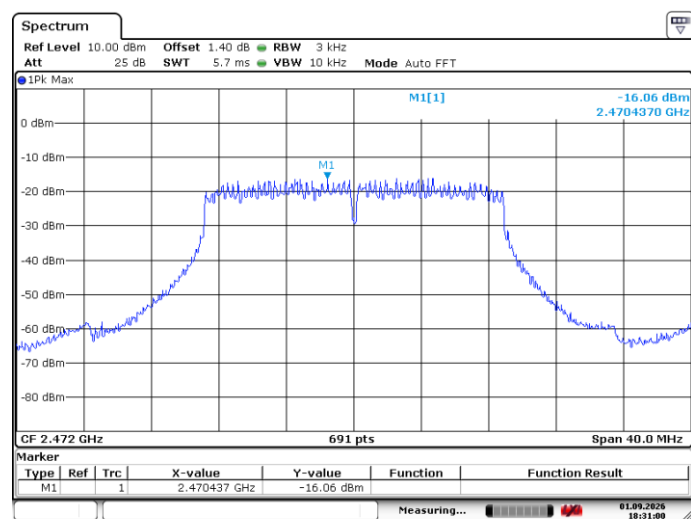
Same as the Chapter 3.2.1 (Figure 1)

B mode

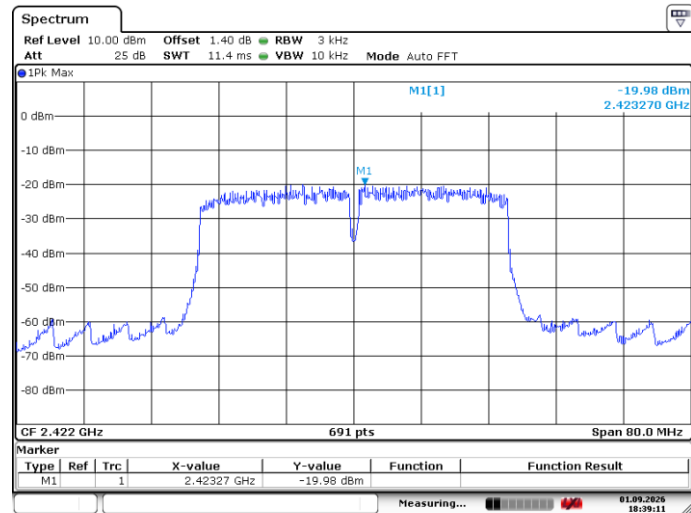
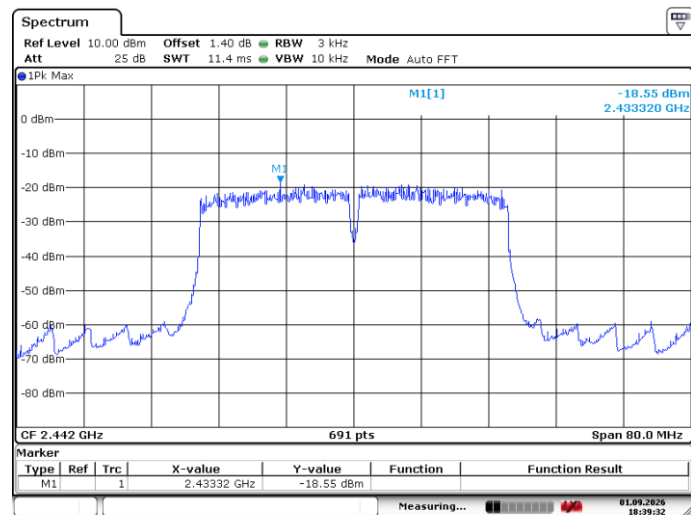
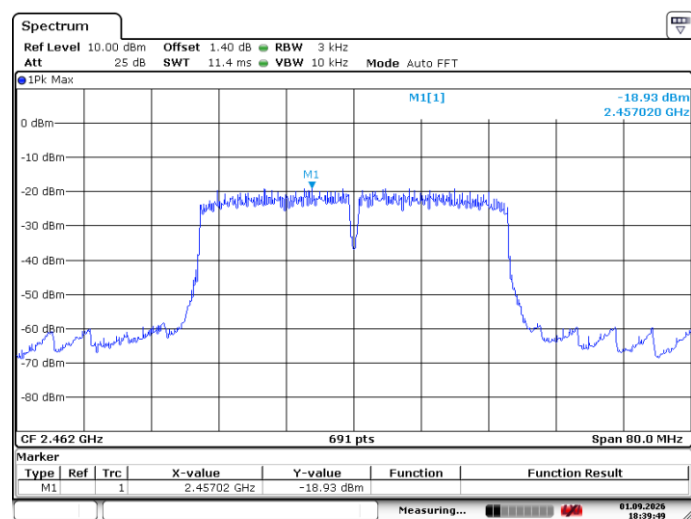
G mode



N20 mode



N40 mode



3.2.4 Band Edge

Procedure:

The Unwanted emission from the EUT were measured according to the dictates PKPSD measurement procedure in section 11.11 of ANSI C63.10-2020.

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits.

If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under Section 5.4(4), the attenuation required shall be 30 dB instead of 20 dB..

The spectrum analyzer is set to:

Center frequency = the highest, middle and the lowest channels

RBW = 100 kHz

VBW $\geq 3 \times$ RBW

Detector function = peak

Trace = max hold

Sweep = auto

Measurement Data: Complies

Mode:b mode

Frequency (MHz)	Test Results	
	dBc	Result
Low edge	42.35	Complies
High edge	47.11	Complies

Mode:g mode

Frequency (MHz)	Test Results	
	dBc	Result
Low edge	37.00	Complies
High edge	32.80	Complies

Mode:n20 mode

Frequency (MHz)	Test Results	
	dBc	Result
Low edge	34.90	Complies
High edge	33.43	Complies

Mode:n40 mode

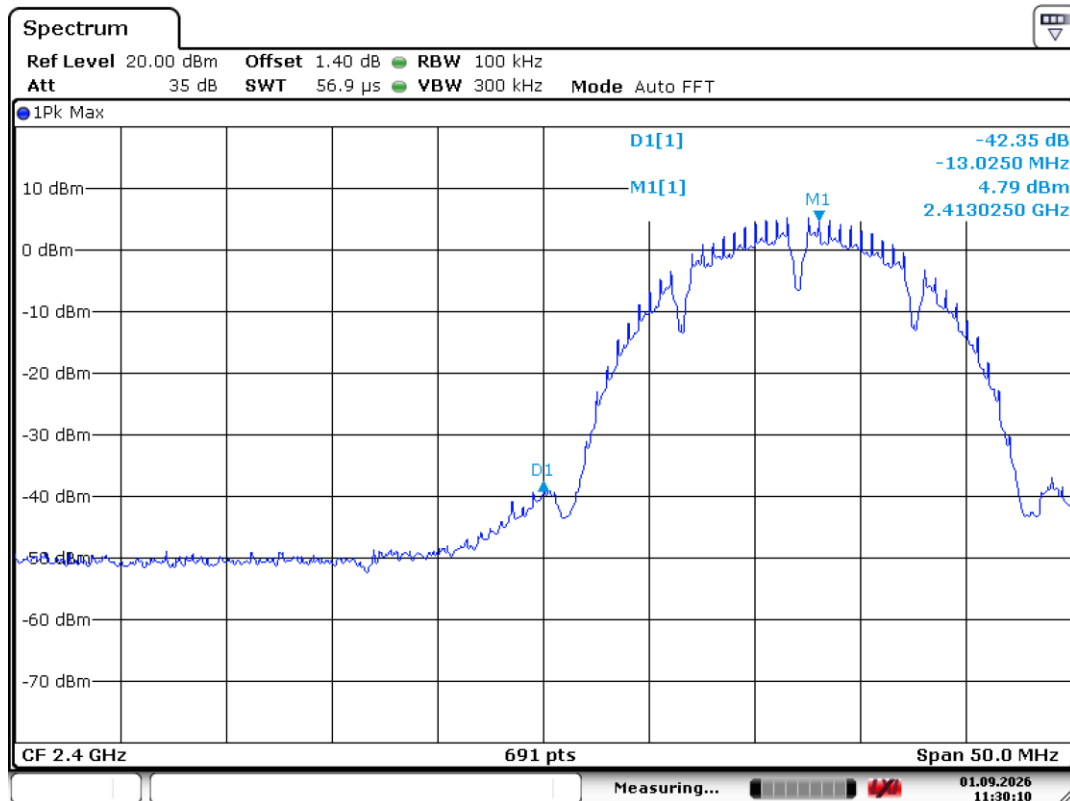
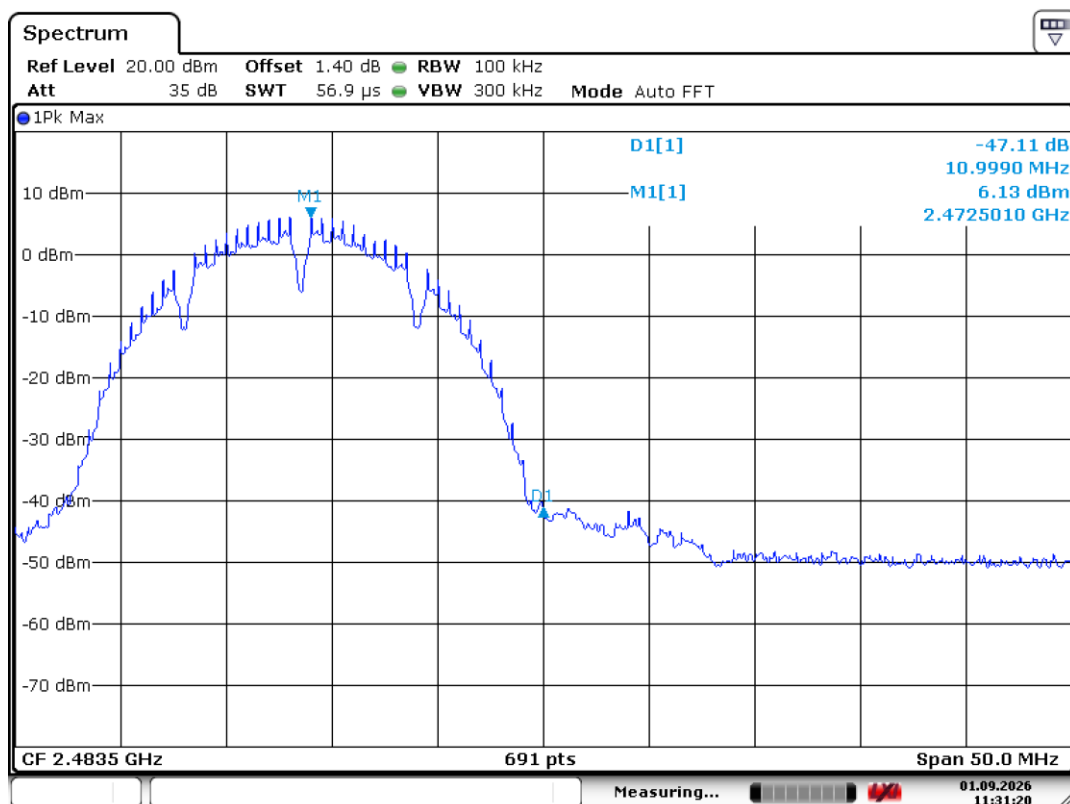
Frequency (MHz)	Test Results	
	dBc	Result
Low edge	39.99	Complies
High edge	40.21	Complies

-

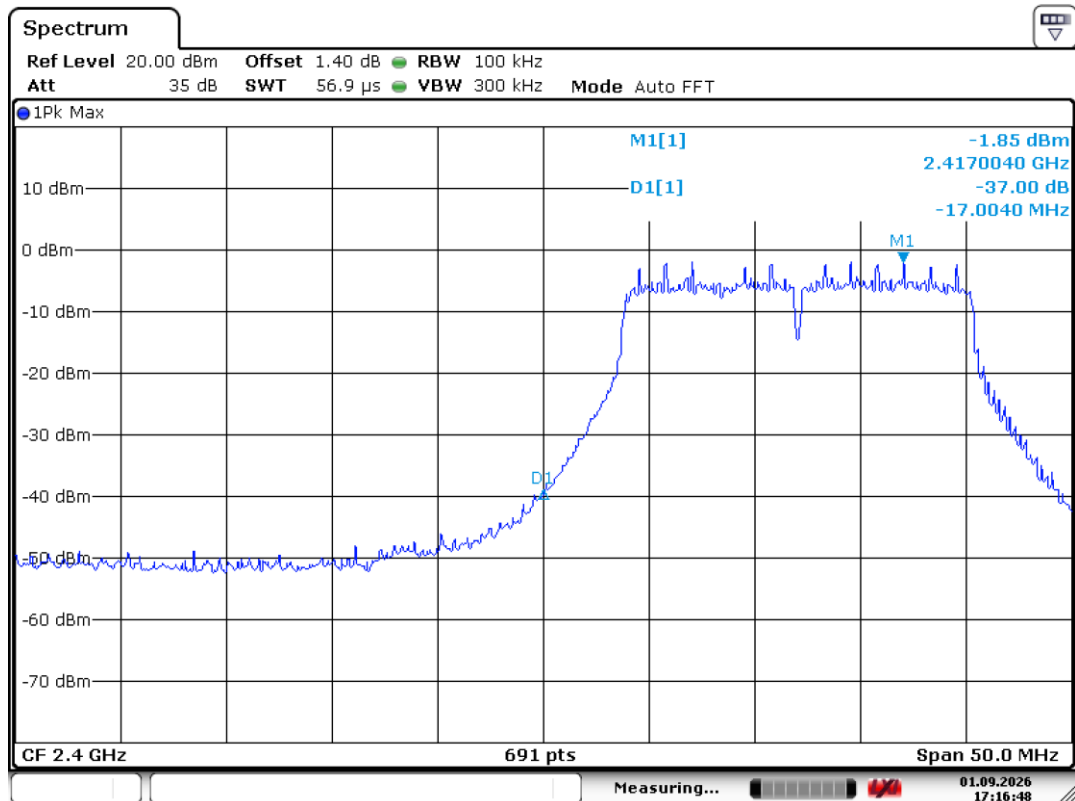
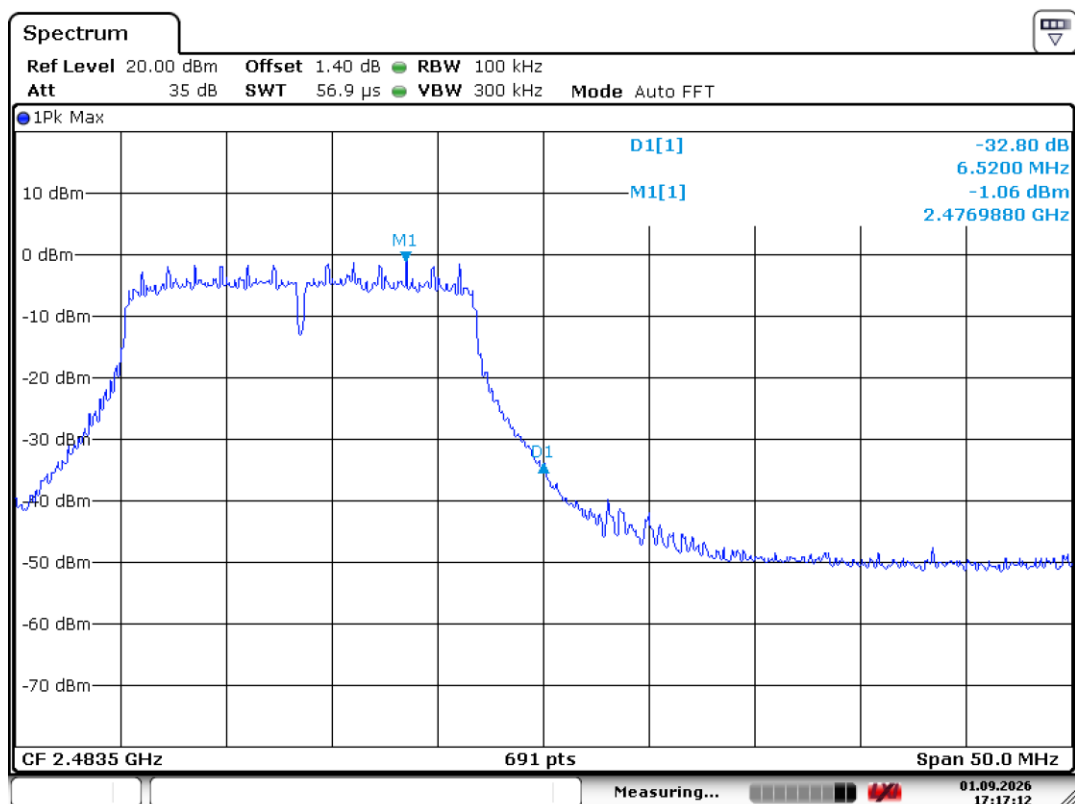
All conducted emission in any 100 kHz bandwidth outside of the spread spectrum band was at least 20 dB lower than the highest inband spectral density. Therefore the applying equipment meets the requirement.

- See next pages for actual measured spectrum plots.

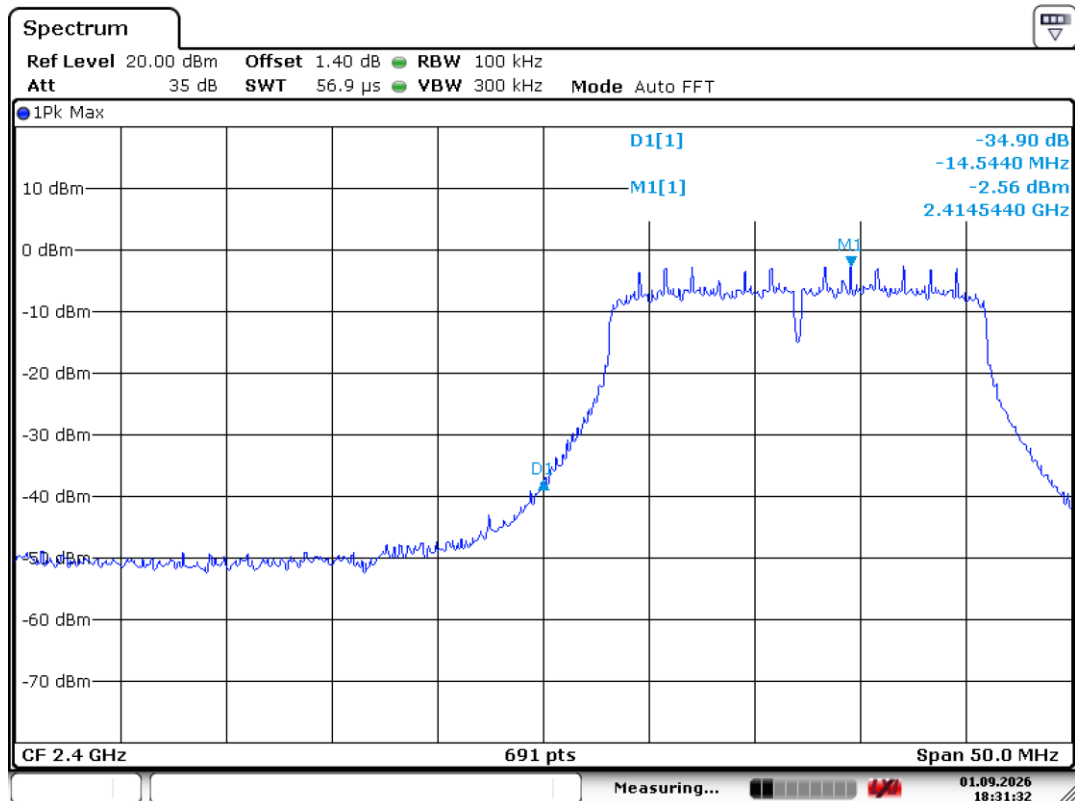
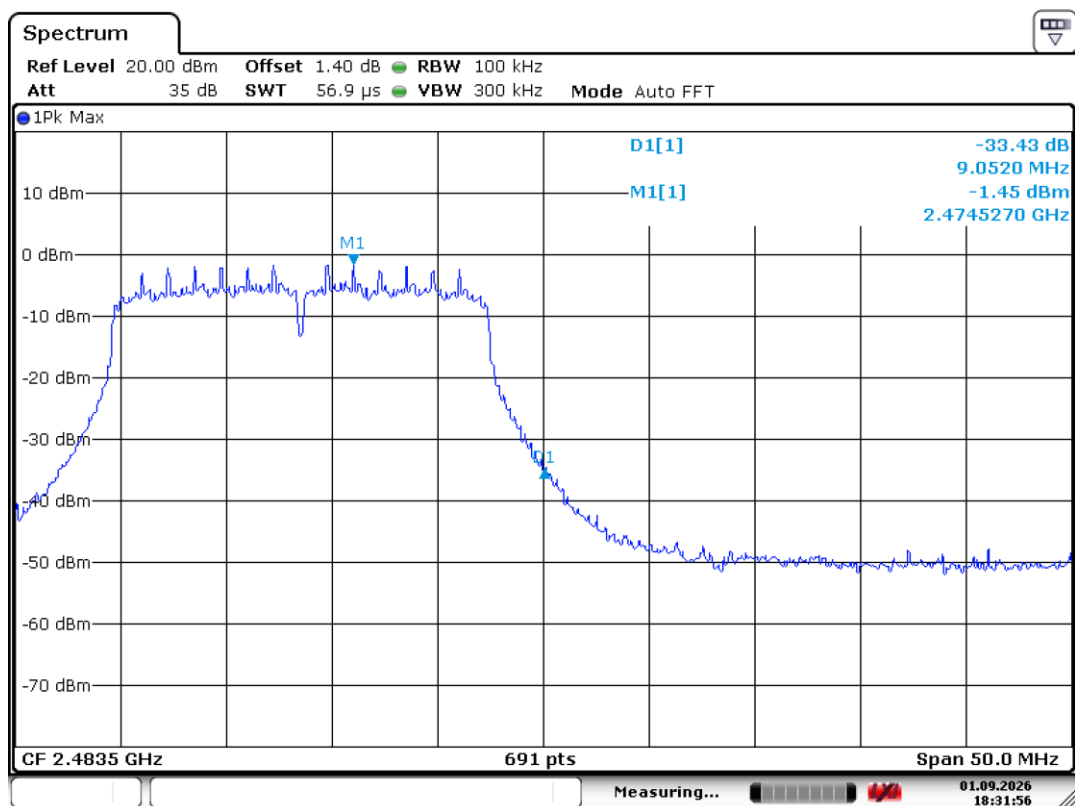
Minimum Standard:	≤ 20 dBc
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B mode

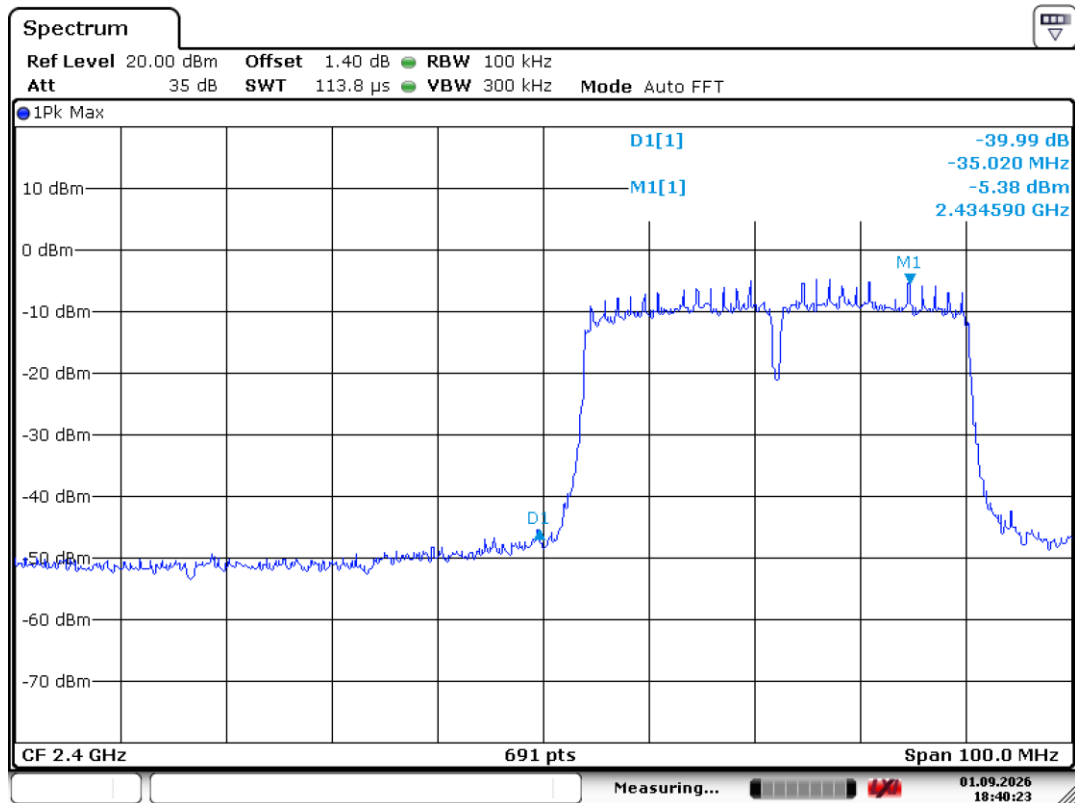
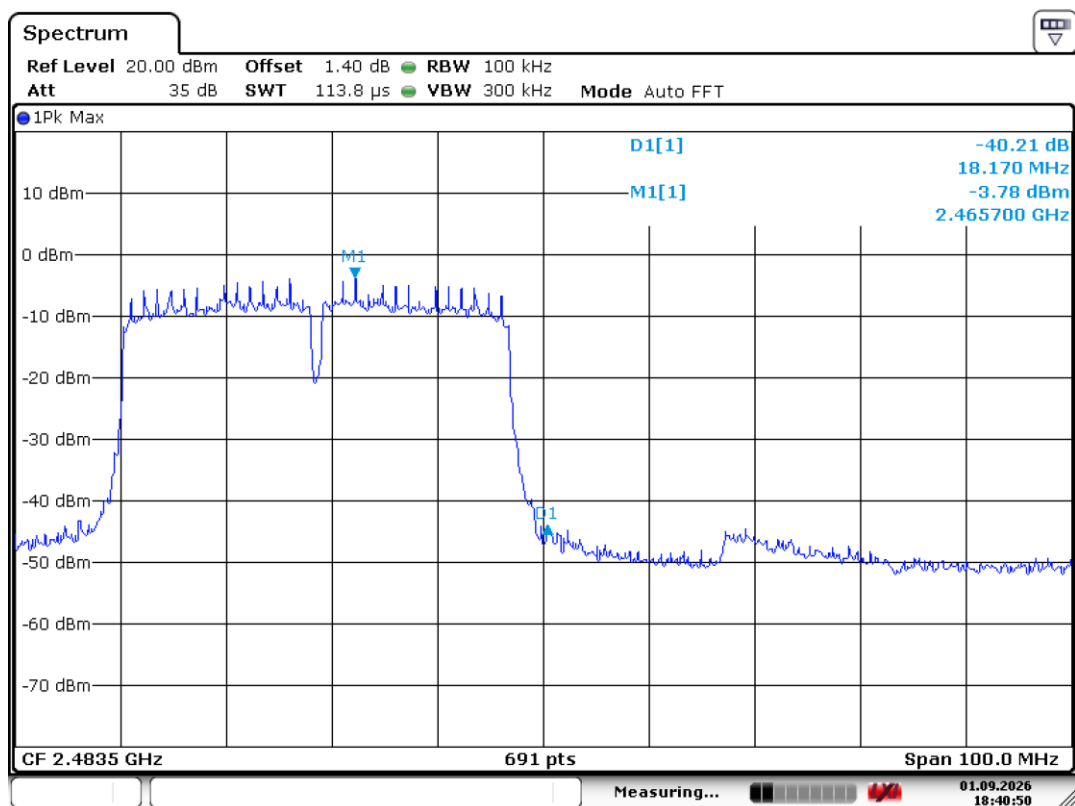
G mode



N20 mode



N40 mode



3.2.5 Conducted Spurious Emissions

Procedure:

The test follows KDB558074. The conducted spurious emissions were measured with a spectrum analyzer connected to the antenna terminal, while EUT had its hopping function disabled at the highest, middle and the lowest available channels.

After the trace being stable, set the marker on the peak of any spurious emission recorded.

The spectrum analyzer is set to:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions

RBW = 100 kHz

Sweep = auto

VBW = 100 kHz

Detector function = peak

Trace = max hold

Measurement Data: Complies

Mode:b mode

Frequency (MHz)	Test Results	
	dBc	Result
2412	47.80	Complies
2442	47.82	Complies
2472	46.72	Complies

Mode:g mode

Frequency (MHz)	Test Results	
	dBc	Result
2412	37.50	Complies
2442	40.89	Complies
2472	38.66	Complies

Mode:n20 mode

Frequency (MHz)	Test Results	
	dBc	Result
2412	39.47	Complies
2442	39.46	Complies
2472	36.90	Complies

Mode:n40 mode

Frequency (MHz)	Test Results	
	dBc	Result
2422	37.16	Complies
2442	38.21	Complies
2462	40.11	Complies

-

All conducted emission in any 100 kHz bandwidth outside of the spread spectrum band was at least 20 dB lower

than the highest inband spectral density. Therefore the applying equipment meets the requirement.

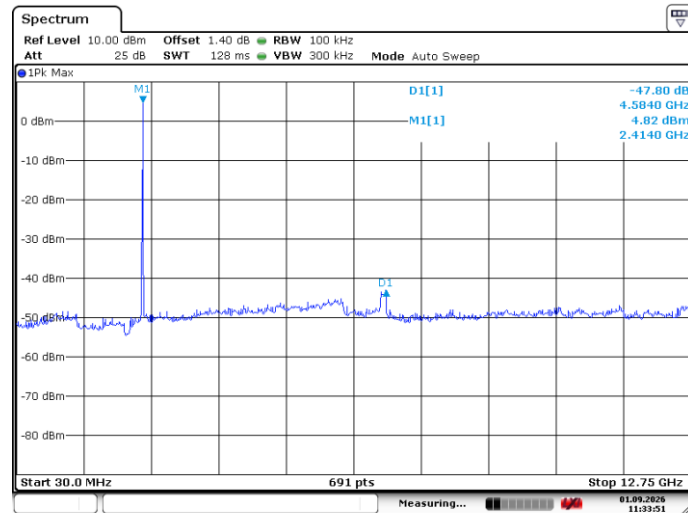
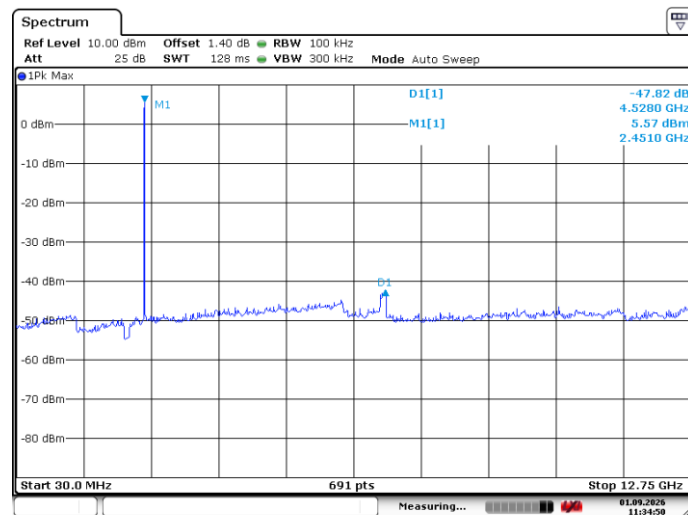
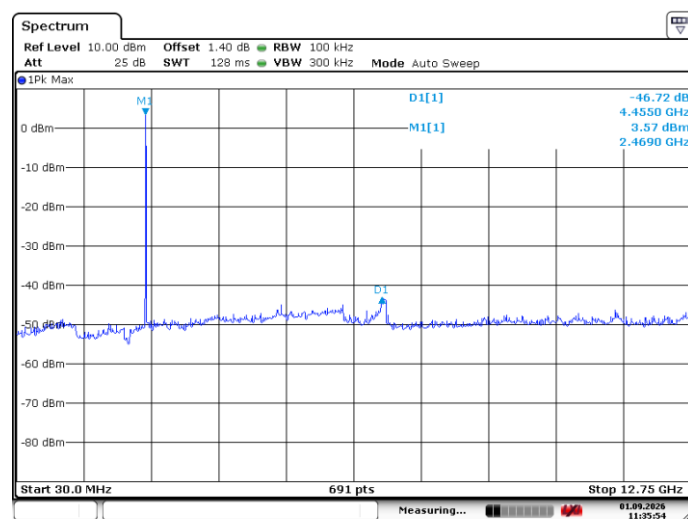
- See next pages for actual measured spectrum plots.

Minimum Standard:	≥ 20 dBc
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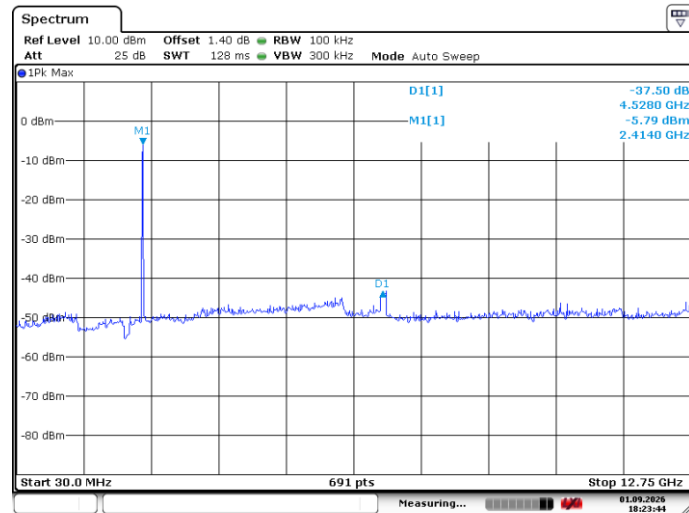
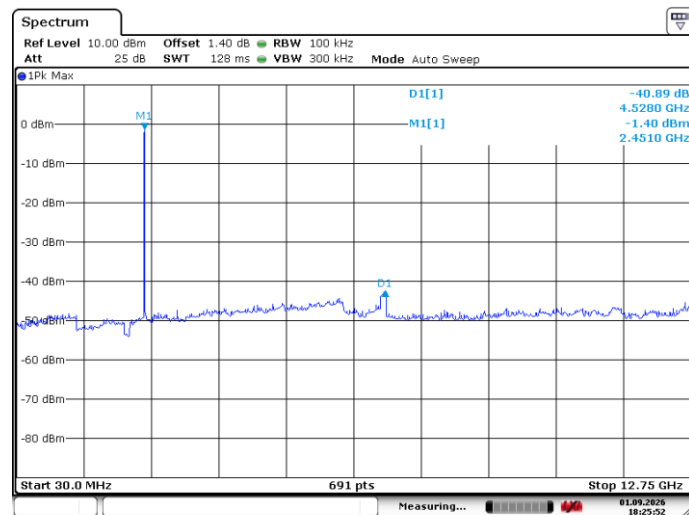
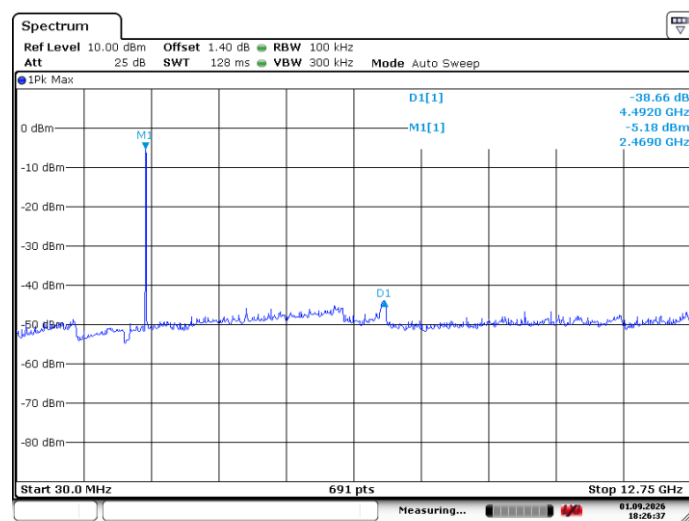
Measurement Setup

Same as the Chapter 3.2.1 (Figure 1)

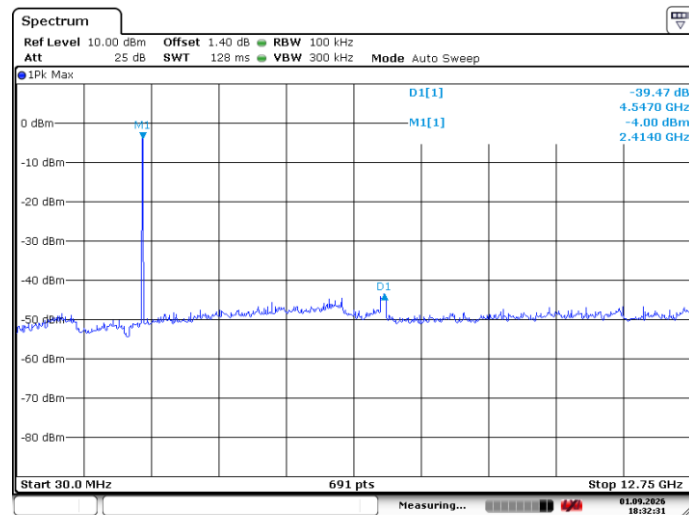
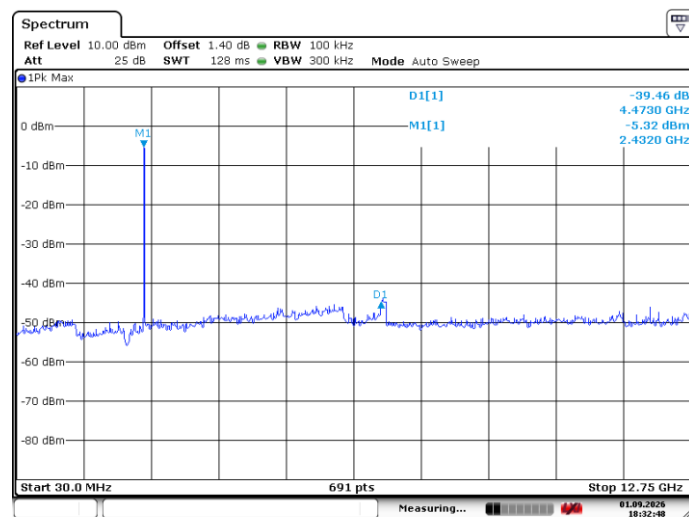
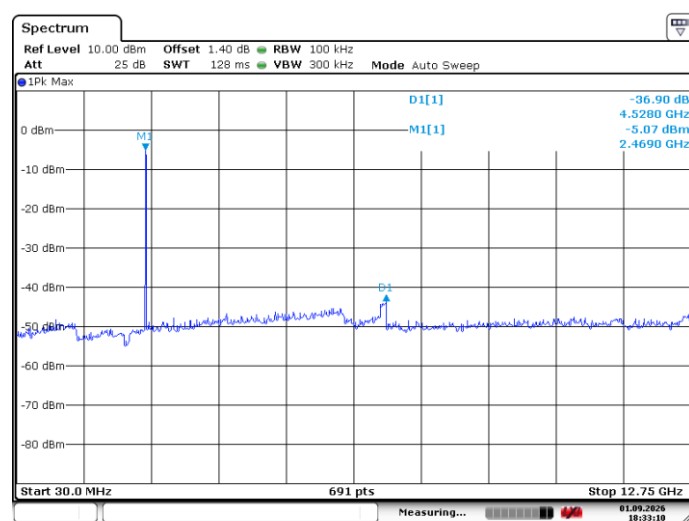
B mode-Unwanted Emission



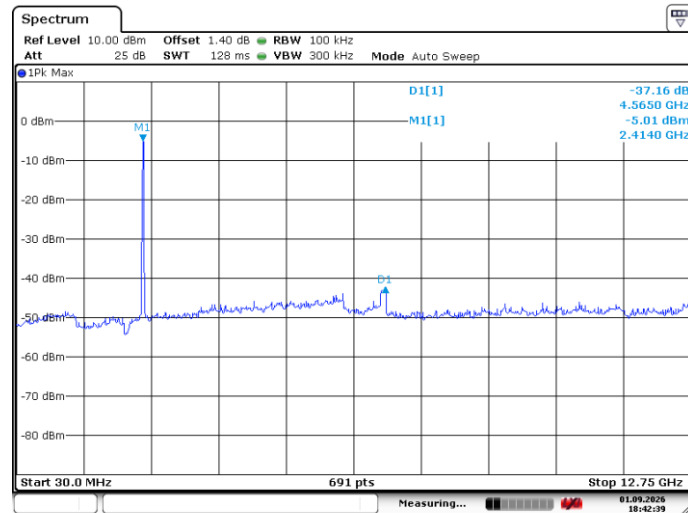
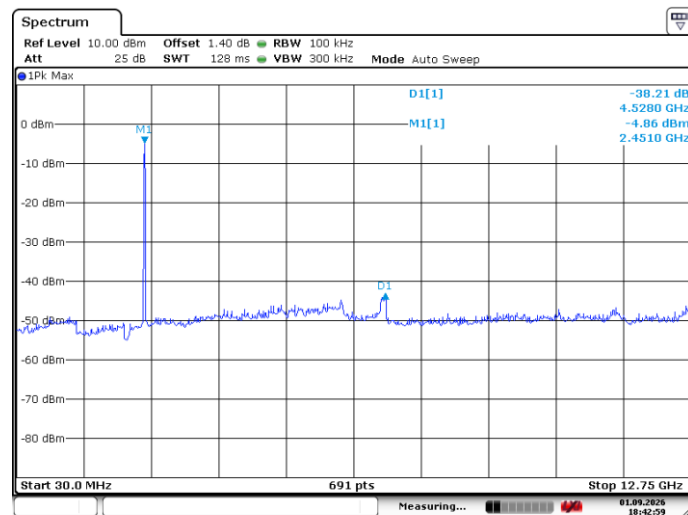
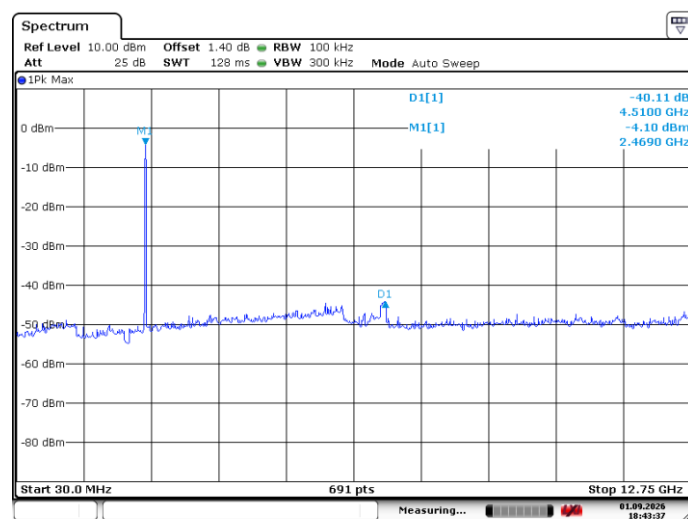
G mode-Unwanted Emission



N20 mode-Unwanted Emission



N40 mode-Unwanted Emission



3.2.6 Radiated Spurious Emissions

Procedure:

Radiated emissions from 30 MHz to 25 GHz were measured according to the methods defines in ANSI C63.10-2020.

The EUT is a placed on as turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made “while keeping the antenna in the ‘cone of radiation’ from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response.” is still within the 3dB illumination BW of the measurement antenna.

The spectrum analyzer is set to:

Center frequency = the worst channel

Frequency Range = 9 kHz ~ 10th harmonic.

RBW = 120 kHz (30 MHz ~ 1 GHz)

VBW ≥ RBW

= 1 MHz (1 GHz ~ 10th harmonic)

Trace = max hold

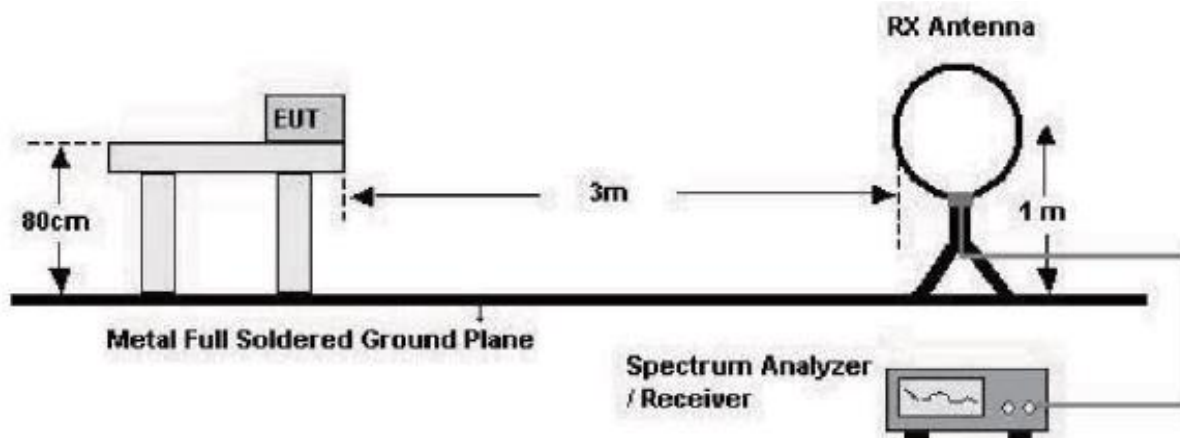
Detector function = peak

Sweep = auto

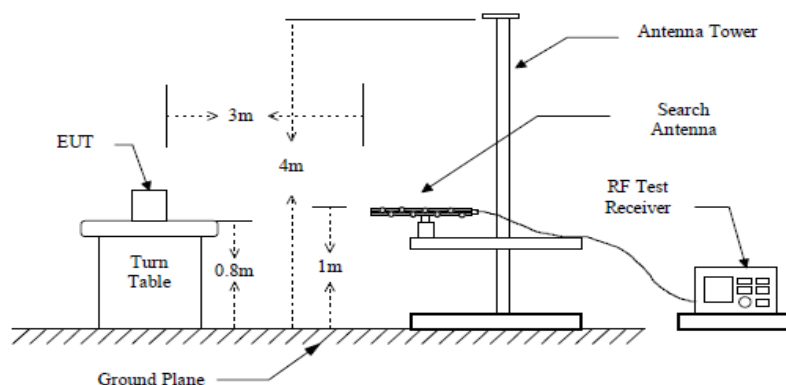
Duty cycle : 98.89 %

The EUT configureal to transmit continuously(D ≥ 98%)/ Duty Factor = 0

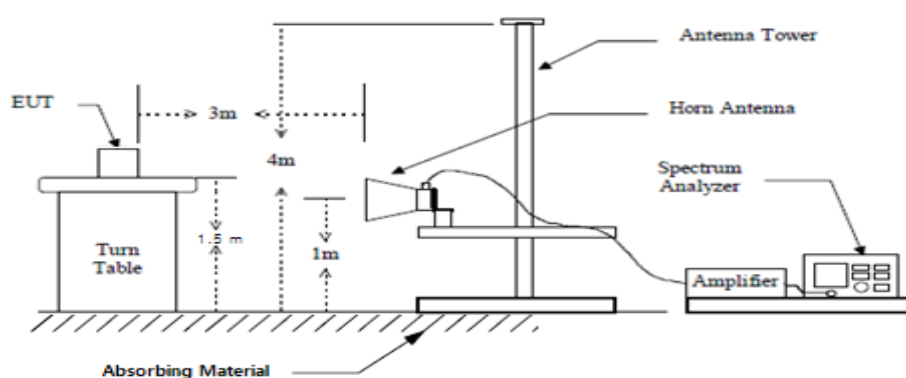
below 30 MHz



below 1 GHz (30 MHz to 1 GHz)



above 1 GHz



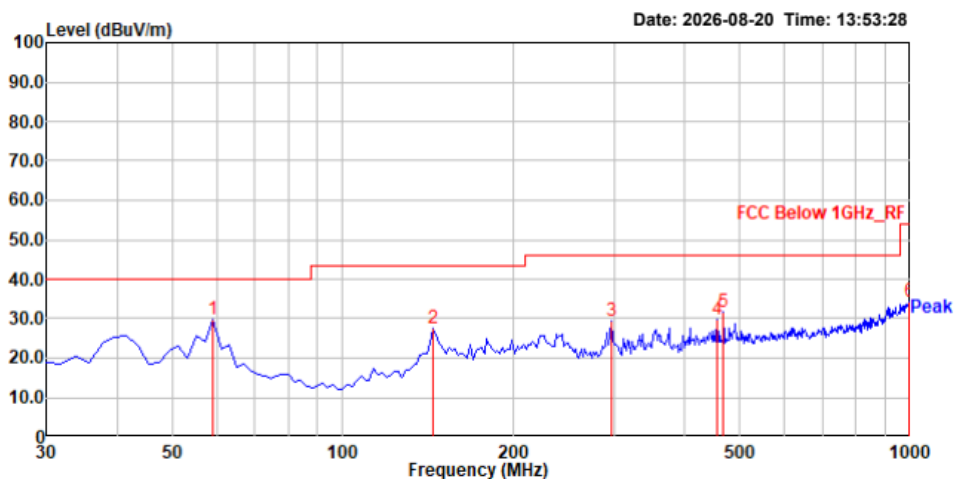
Measurement Data: Complies

- See next pages for actual measured data.
- No other emissions were detected at a level greater than 20 dB below limit include from 9 kHz to 30MHz.
- The test results for the worst of the various operating modes are presented in accordance with 6.3.4 of ANSI C63.10.
- Checked with a red circle is the fundamental frequency.

Minimum Standard: FCC Part 15.209(a)

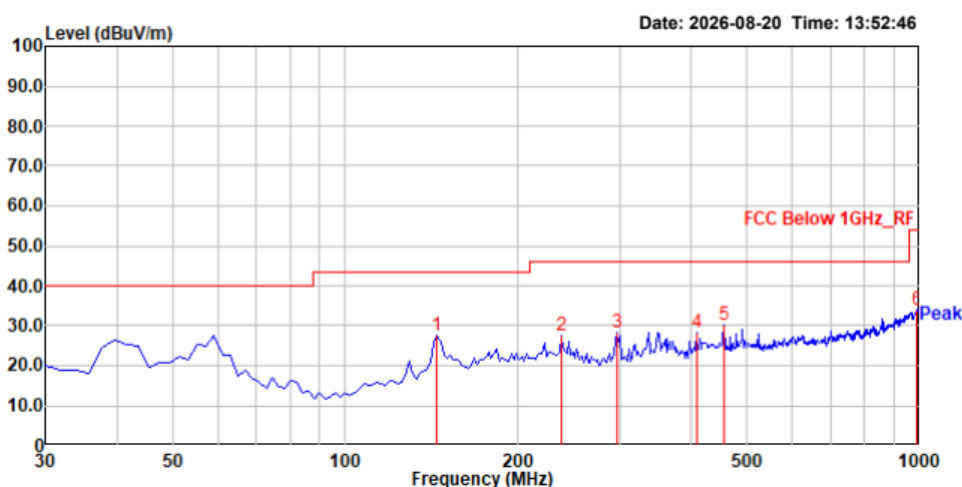
Frequency (MHz)	Limit (uV/m) @ 3 m
0.009 ~ 0.490	2400/F(kHz) (@ 300 m)
0.490 ~ 1.705	24000/F(kHz) (@ 30 m)
1.705 ~ 30	30(@ 30 m)
30 ~ 88	100 **
88 ~ 216	150 **
216 ~ 960	200 **
Above 960	500

** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

B mode-Radiated Emissions

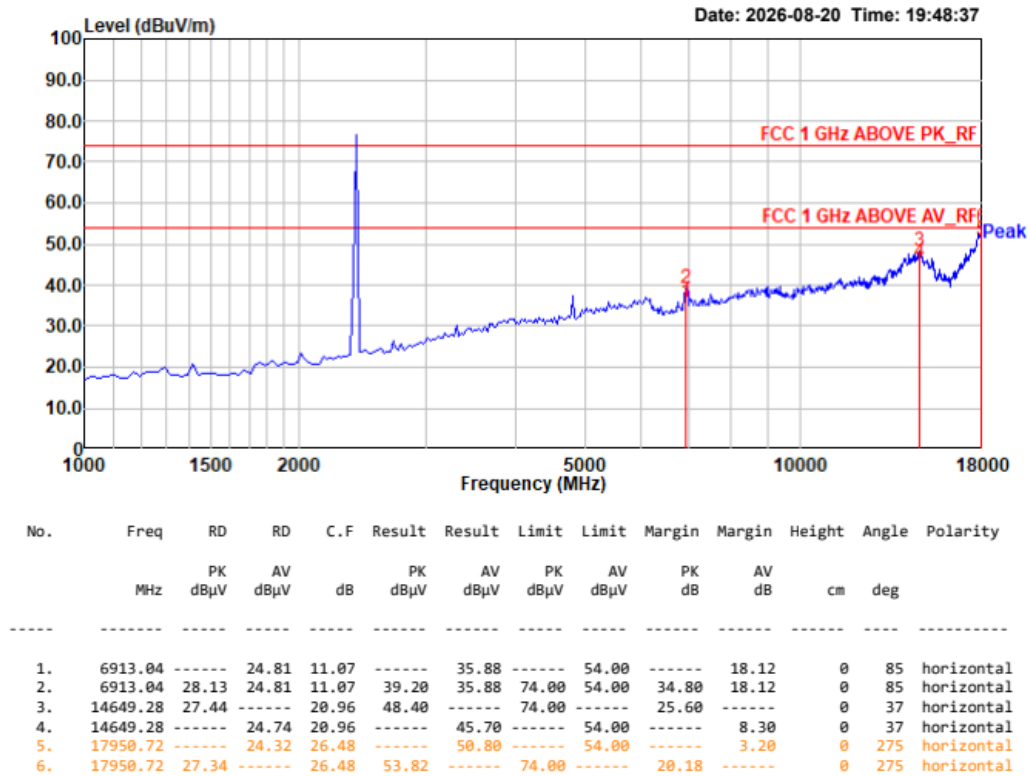
No.	Freq MHz	Reading dBuV	C.F dB	Result QP dBuV/m	Limit dBuV/m	Margin dB	Height cm	Angle deg	Polarity
1.	59.10	42.67	-12.77	29.90	40.00	10.10	0	131	horizontal
2.	144.46	38.83	-11.39	27.44	43.50	16.06	0	213	horizontal
3.	297.72	39.37	-9.92	29.45	46.00	16.55	0	360	horizontal
4.	456.80	35.67	-5.67	30.00	46.00	16.00	0	322	horizontal
5.	468.44	37.32	-5.65	31.67	46.00	14.33	0	58	horizontal
6.	994.18	29.86	4.35	34.21	54.00	19.79	0	322	horizontal

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

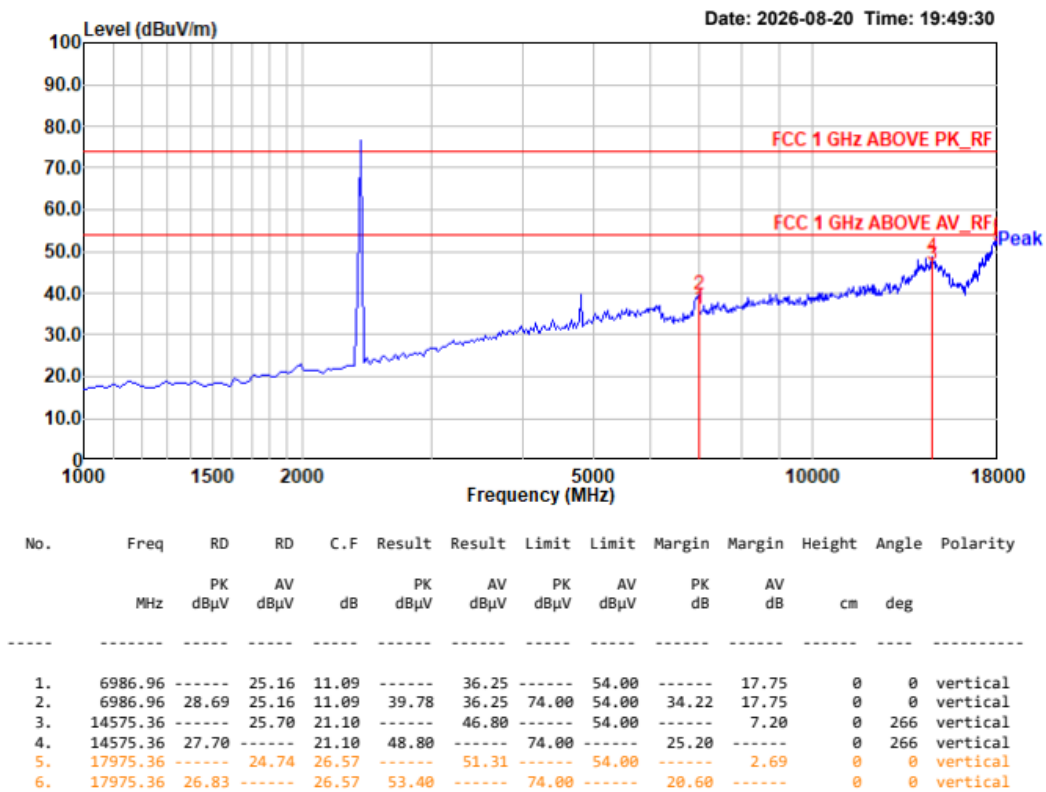


No.	Freq MHz	Reading dBuV	C.F dB	Result QP dBuV/m	Limit dBuV/m	Margin dB	Height cm	Angle deg	Polarity
1.	144.46	39.04	-11.39	27.65	43.50	15.85	0	230	vertical
2.	237.58	40.15	-12.42	27.73	46.00	18.27	0	0	vertical
3.	297.72	38.22	-9.92	28.30	46.00	17.70	0	360	vertical
4.	408.30	35.56	-7.14	28.42	46.00	17.58	0	345	vertical
5.	456.80	35.99	-5.67	30.32	46.00	15.68	0	45	vertical
6.	990.30	29.86	4.23	34.09	54.00	19.91	0	271	vertical

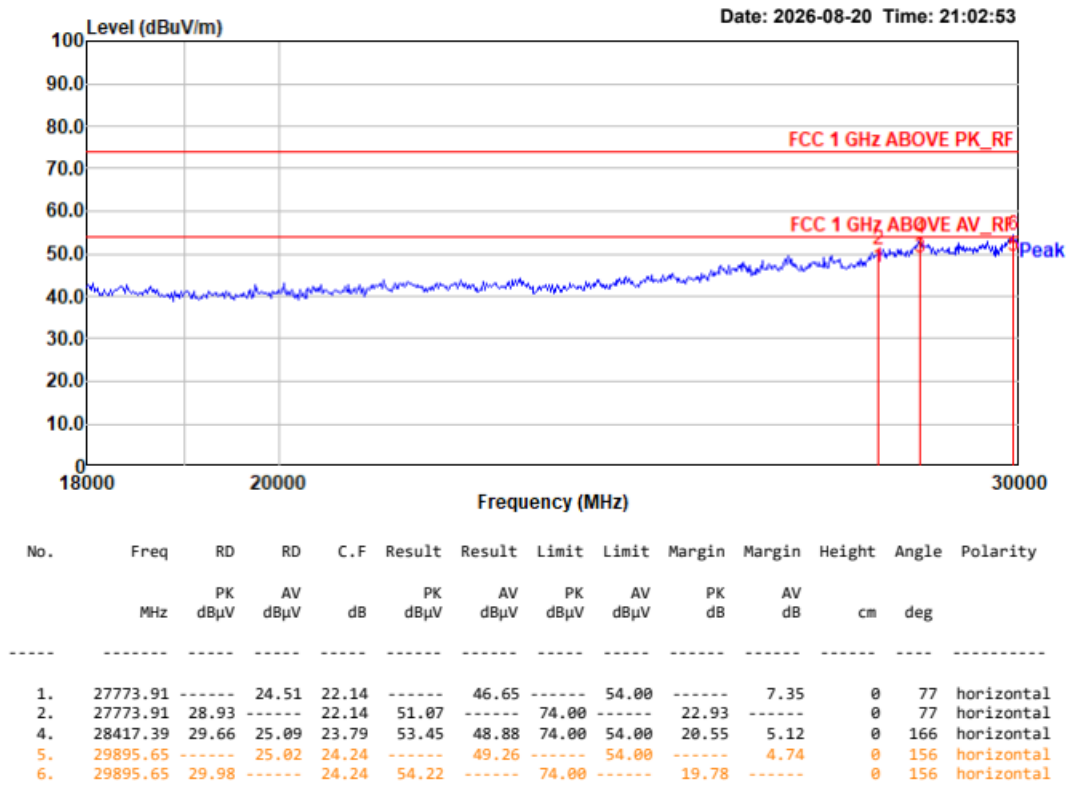
Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain



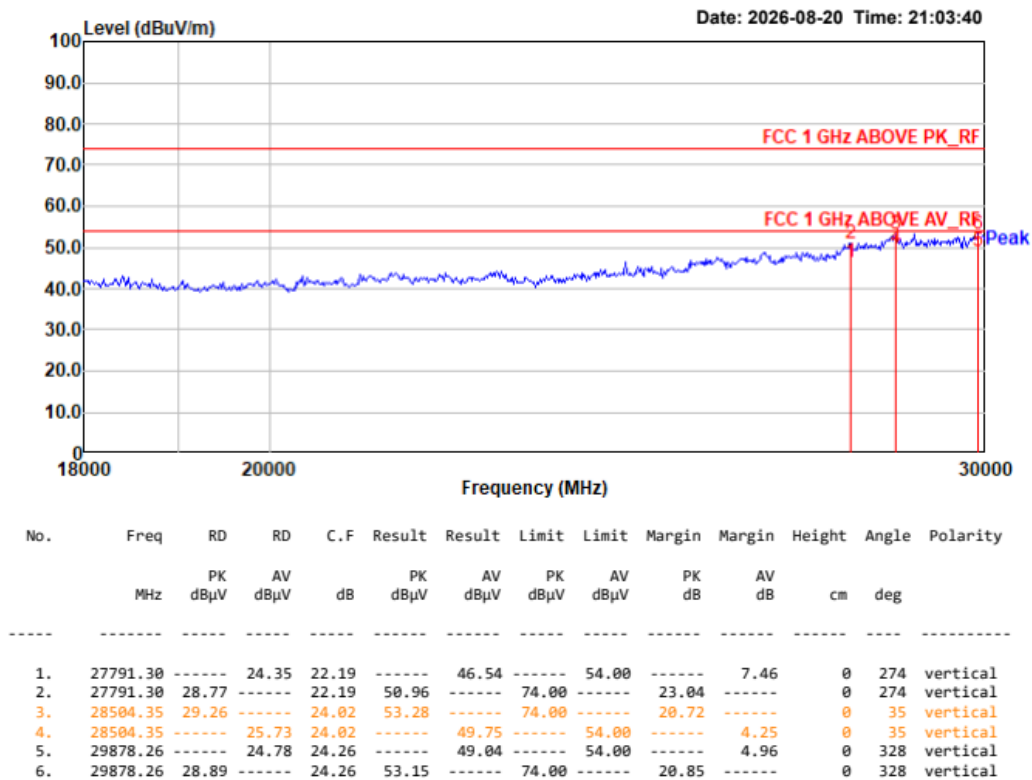
Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain



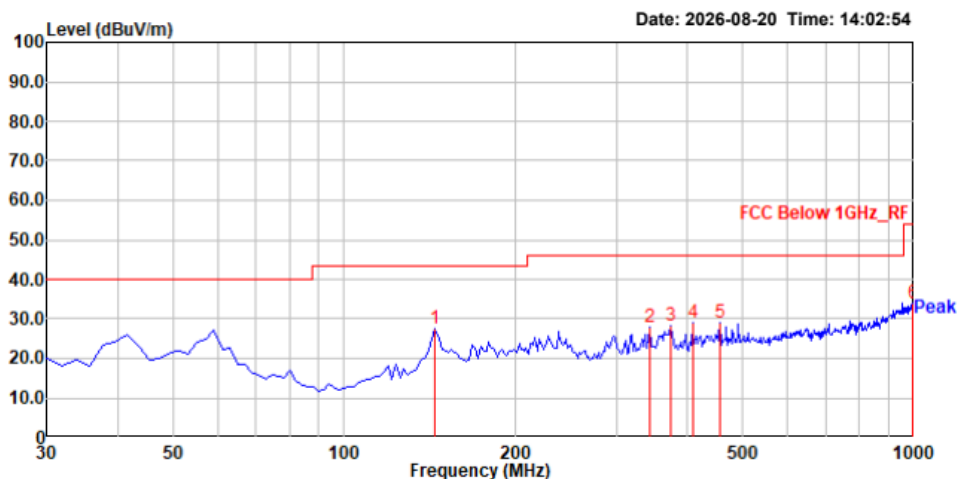
Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain



Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain

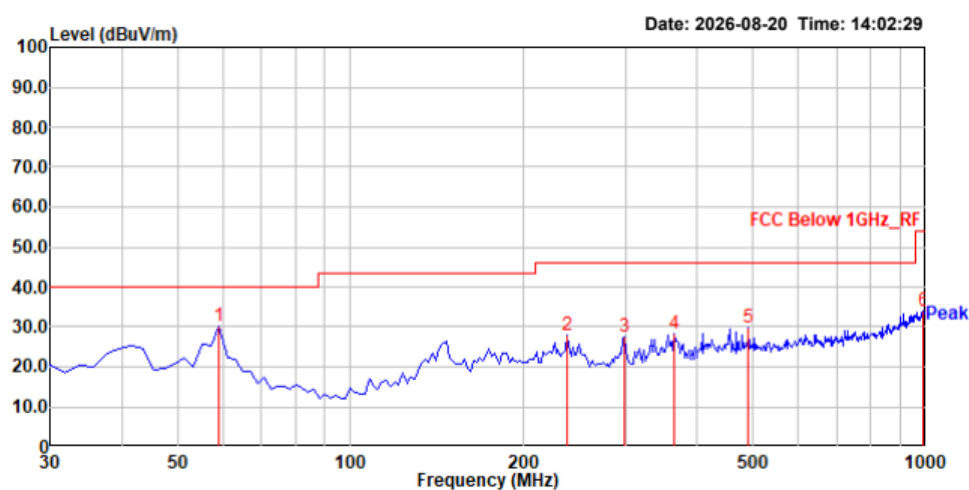


Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain

G mode-Radiated Emissions

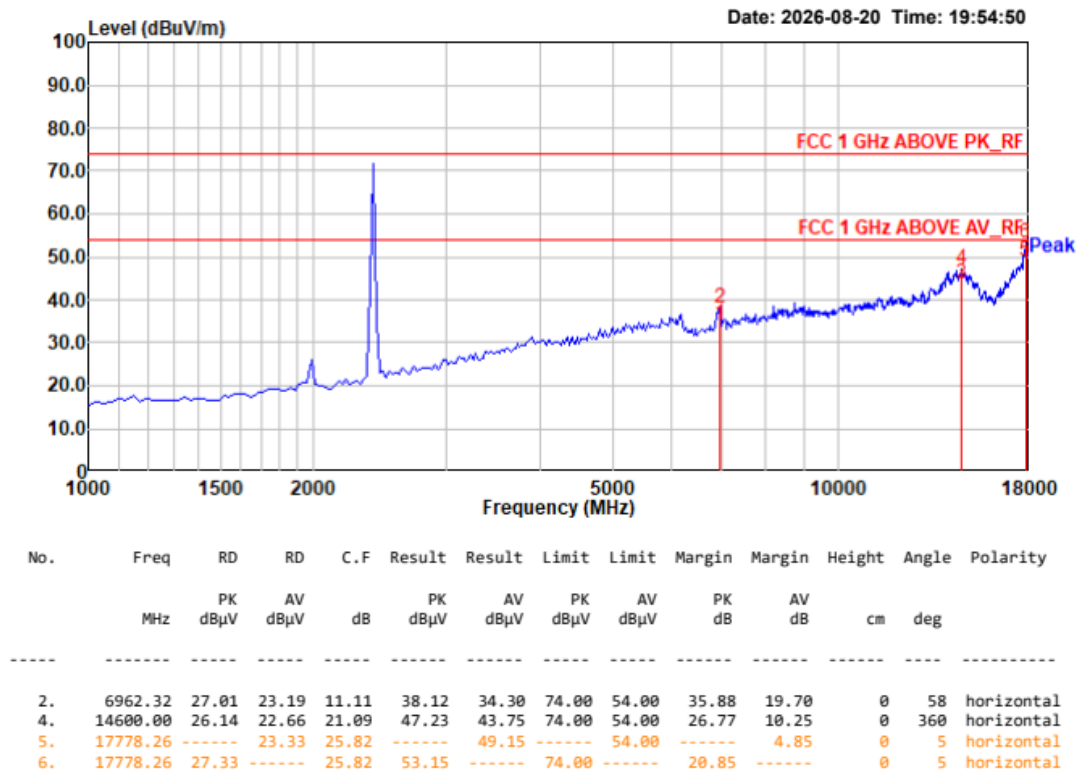
No.	Freq MHz	Reading dBμV	C.F dB	Result QP dBμV/m	Limit dBμV/m	Margin dB	Height cm	Angle deg	Polarity
1.	144.46	38.80	-11.39	27.41	43.50	16.09	0	232	horizontal
2.	344.28	36.87	-8.76	28.11	46.00	17.89	0	20	horizontal
3.	373.38	36.06	-7.81	28.25	46.00	17.75	0	278	horizontal
4.	408.30	36.19	-7.14	29.05	46.00	16.95	0	5	horizontal
5.	456.80	34.56	-5.67	28.89	46.00	17.11	0	318	horizontal
6.	992.24	29.59	4.30	33.89	54.00	20.11	0	86	horizontal

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

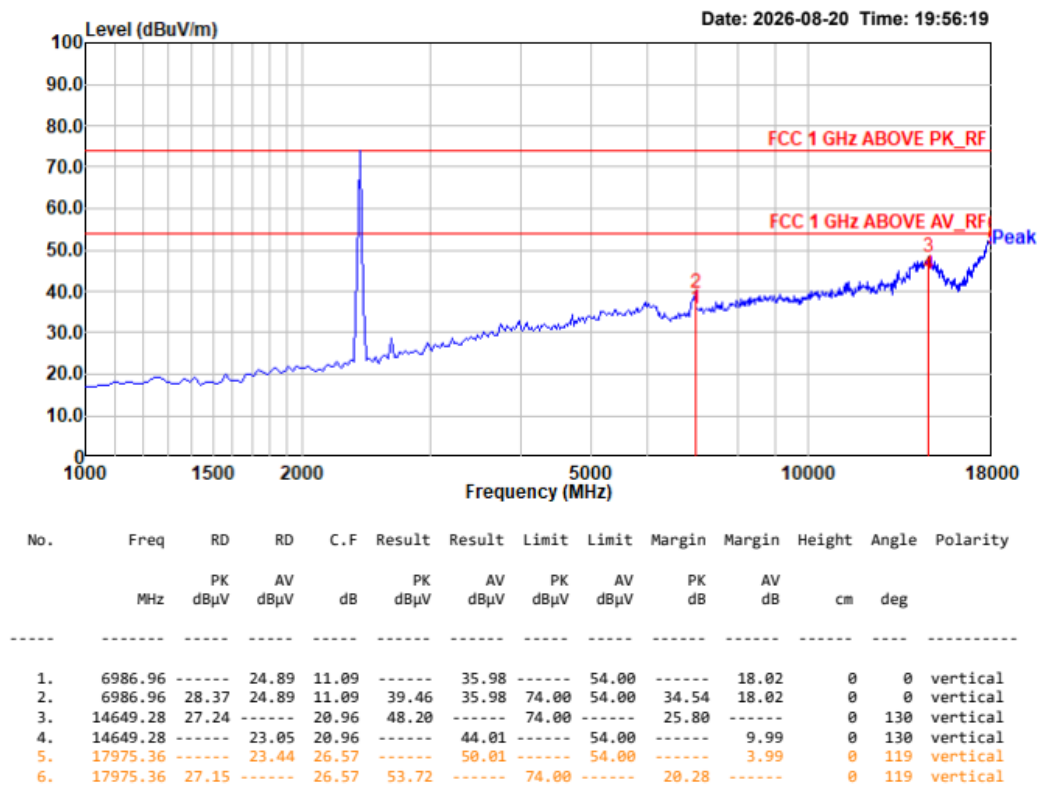


No.	Freq MHz	Reading dBμV	C.F dB	Result QP dBμV/m	Limit dBμV/m	Margin dB	Height cm	Angle deg	Polarity
1.	59.10	43.05	-12.77	30.28	40.00	9.72	0	123	vertical
2.	237.58	40.23	-12.42	27.81	46.00	18.19	0	0	vertical
3.	299.66	37.28	-9.85	27.43	46.00	18.57	0	360	vertical
4.	365.62	36.51	-8.08	28.43	46.00	17.57	0	288	vertical
5.	491.72	34.94	-5.18	29.76	46.00	16.24	0	23	vertical
6.	986.42	30.06	3.90	33.96	54.00	20.04	0	262	vertical

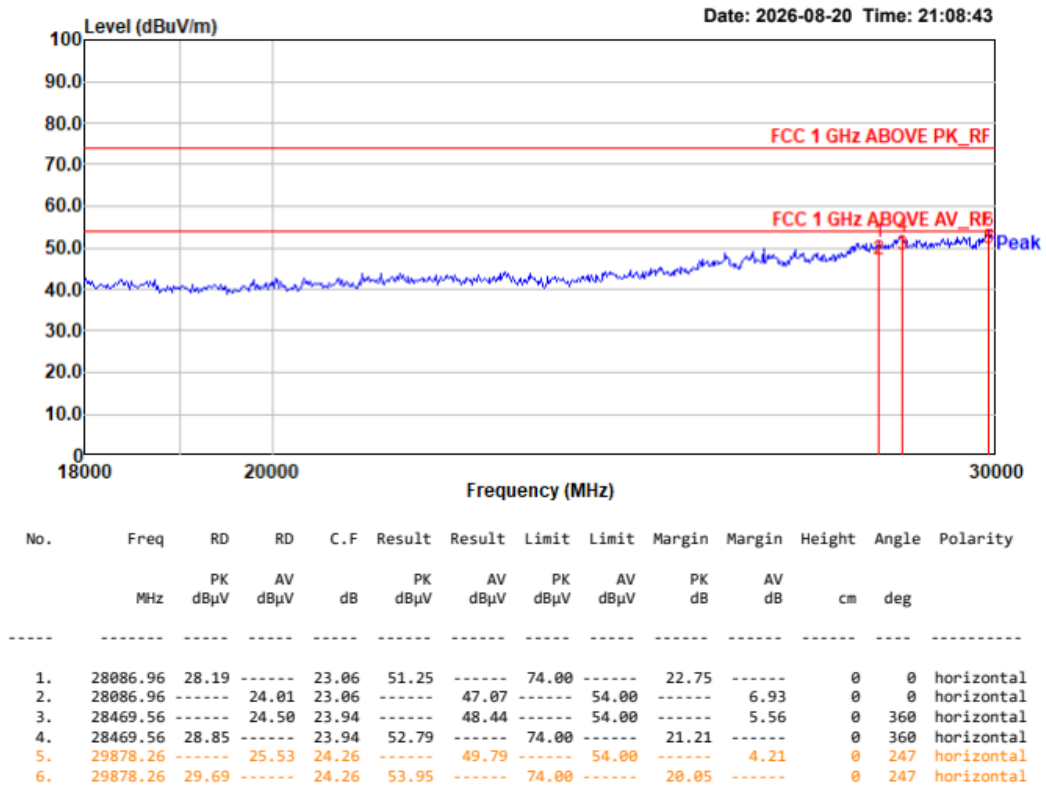
Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain



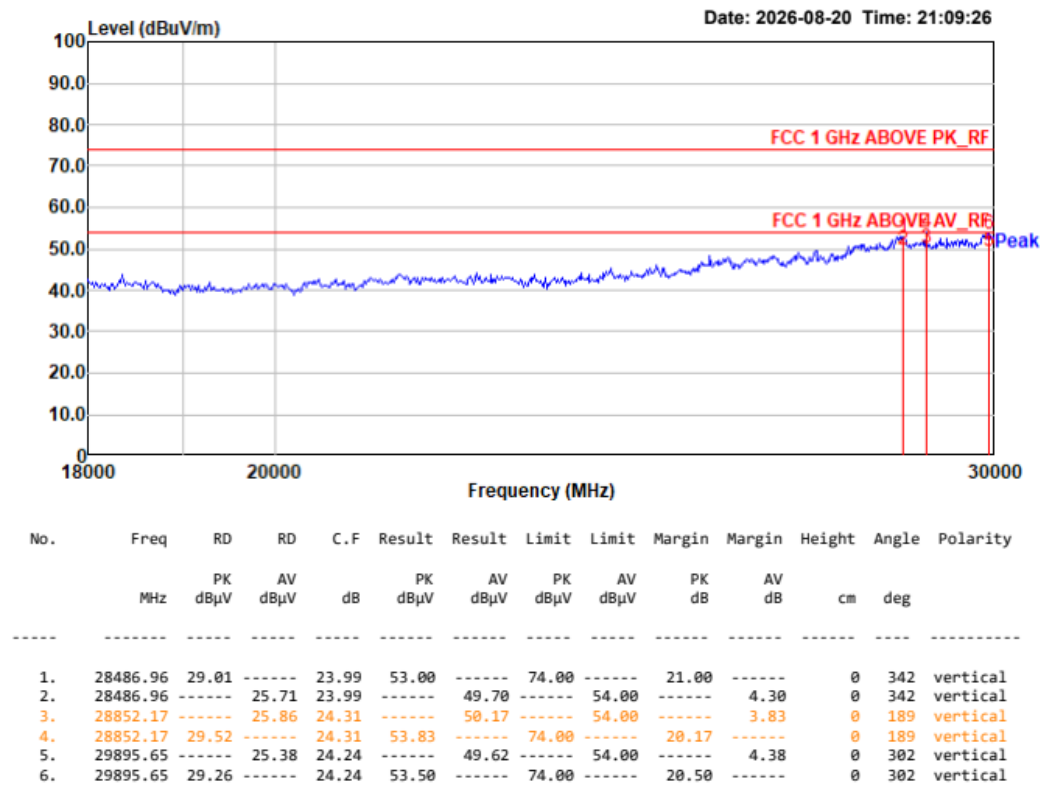
Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain



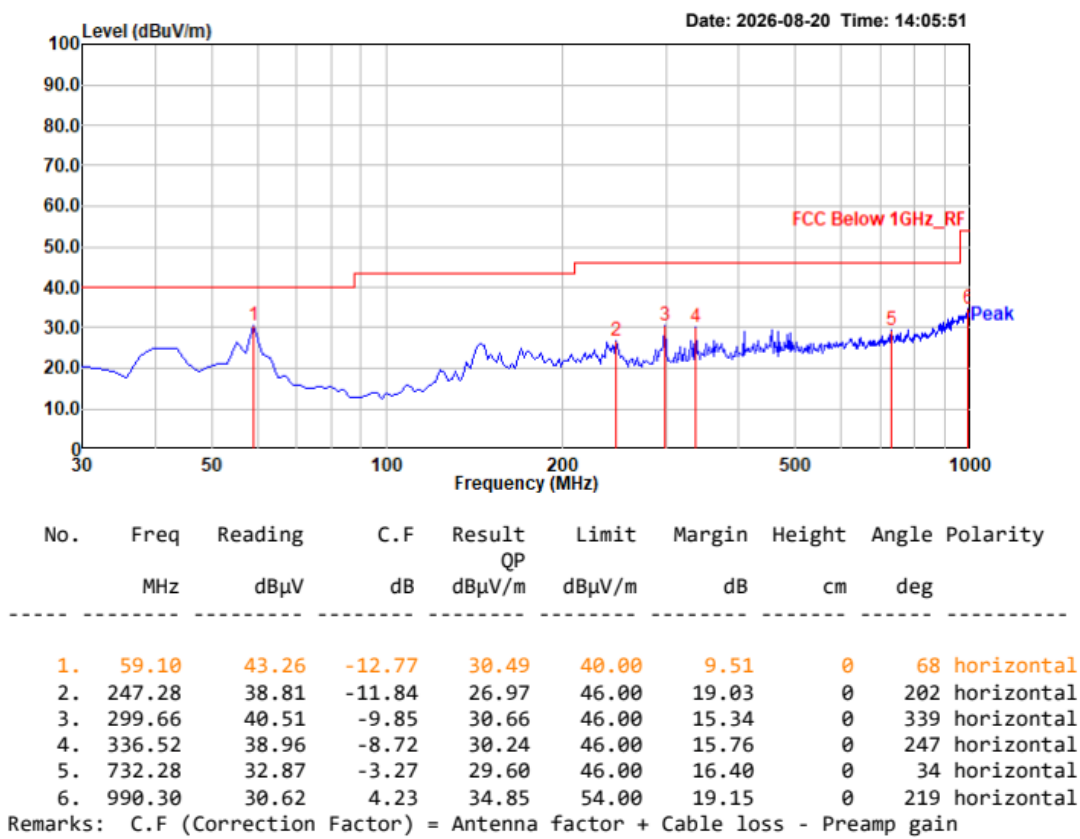
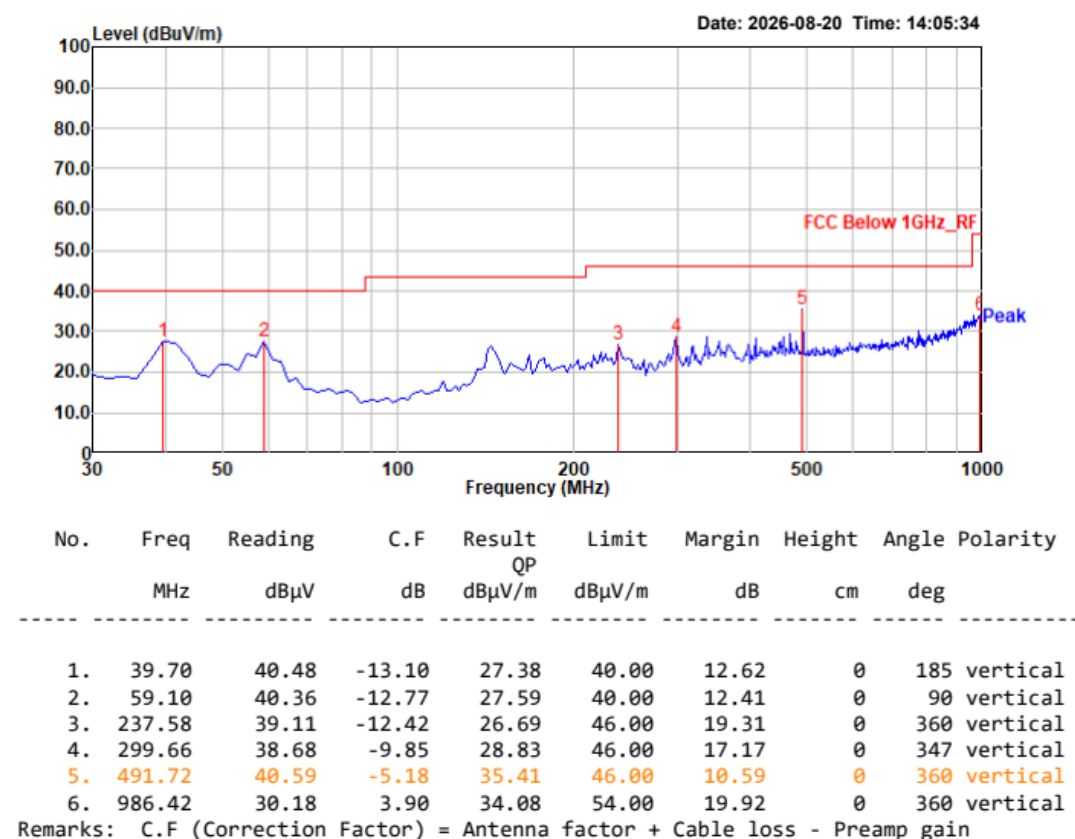
Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain

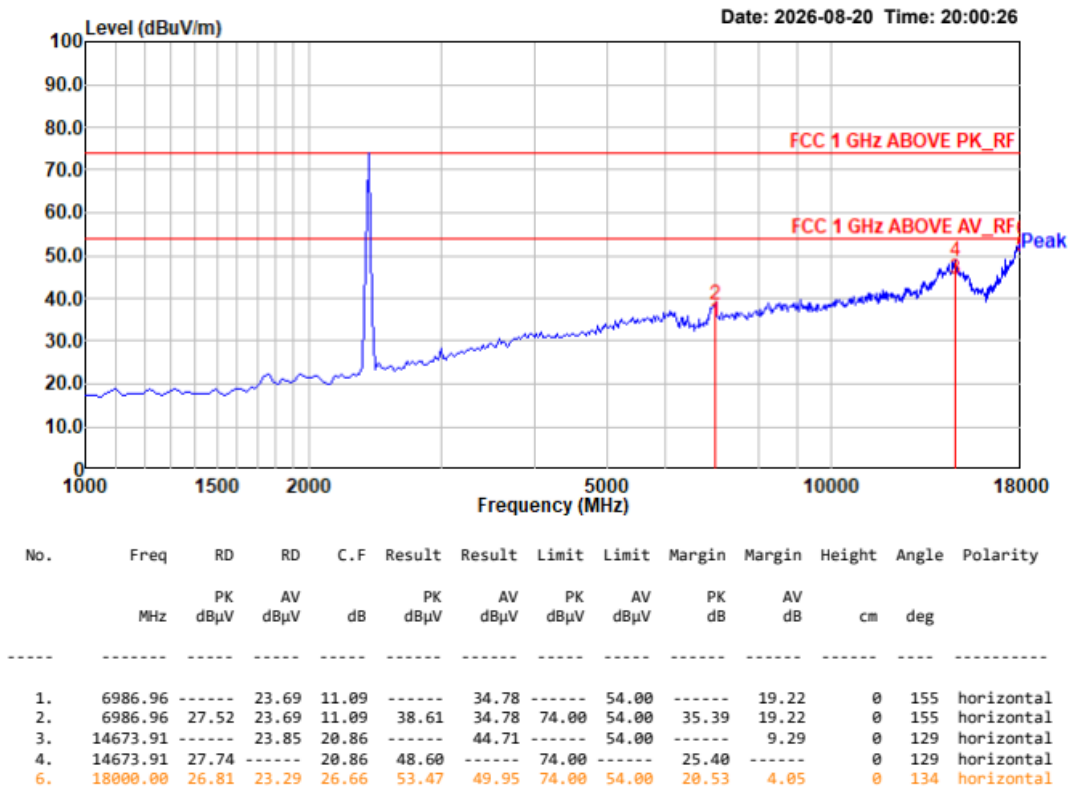


Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain

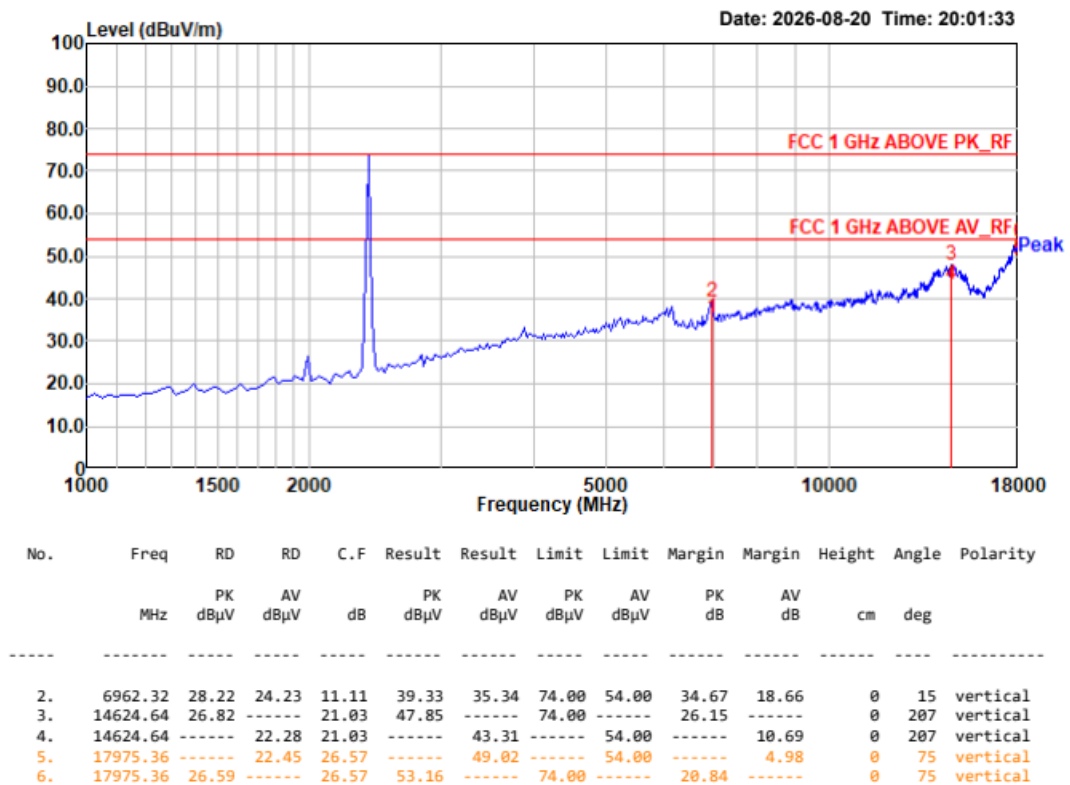


Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain

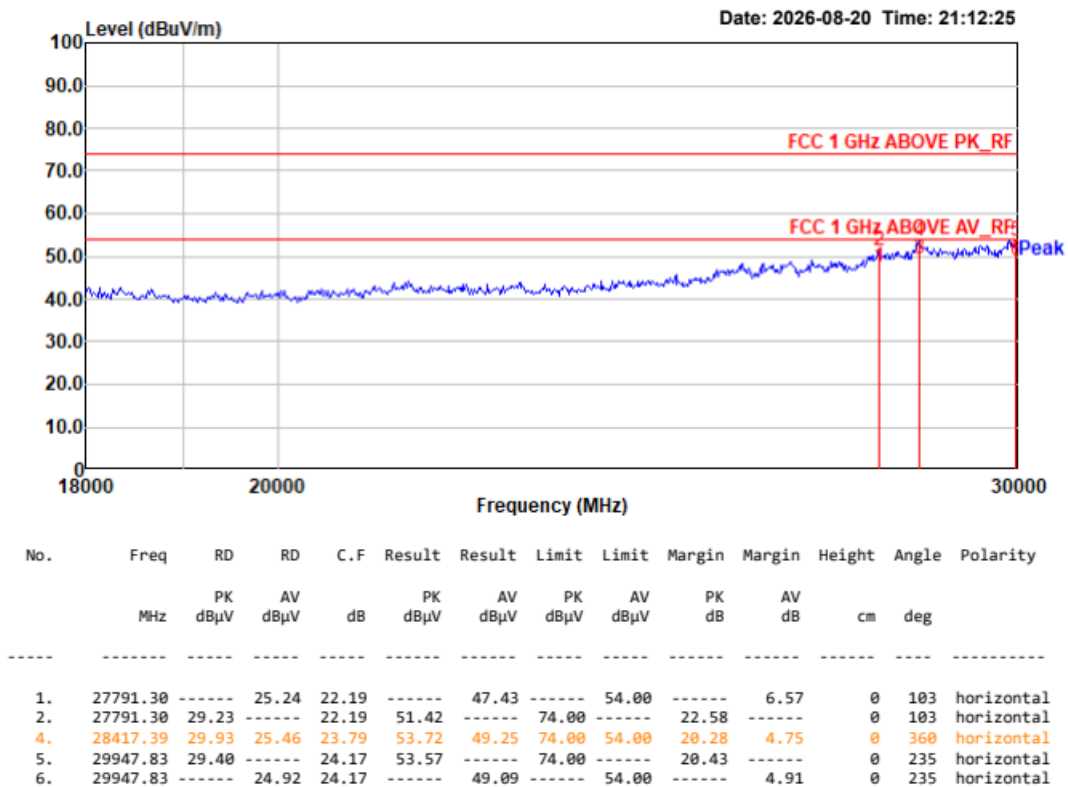
N20 mode-Radiated Emissions



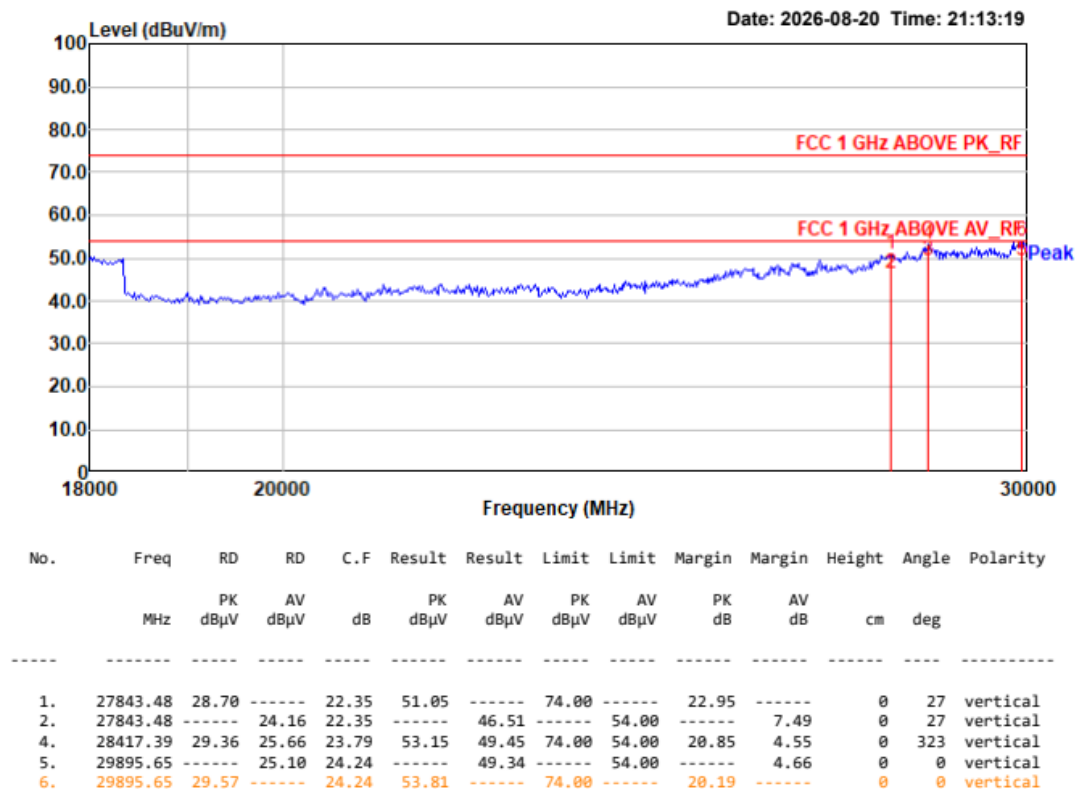
Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain



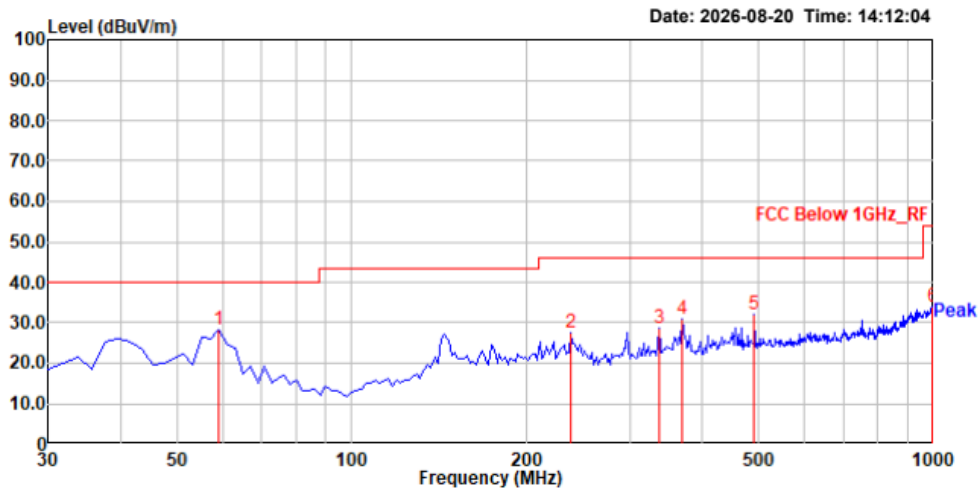
Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain



Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain

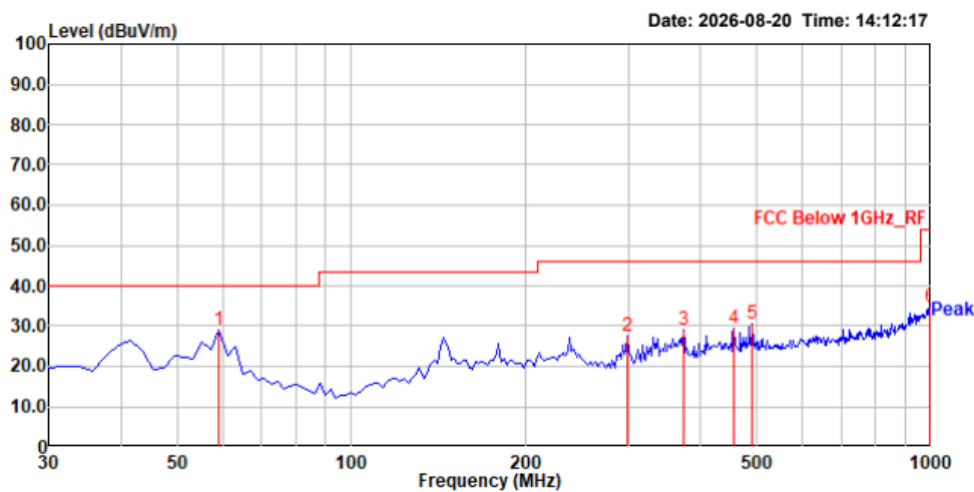


Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain

N40 mode-Radiated Emissions

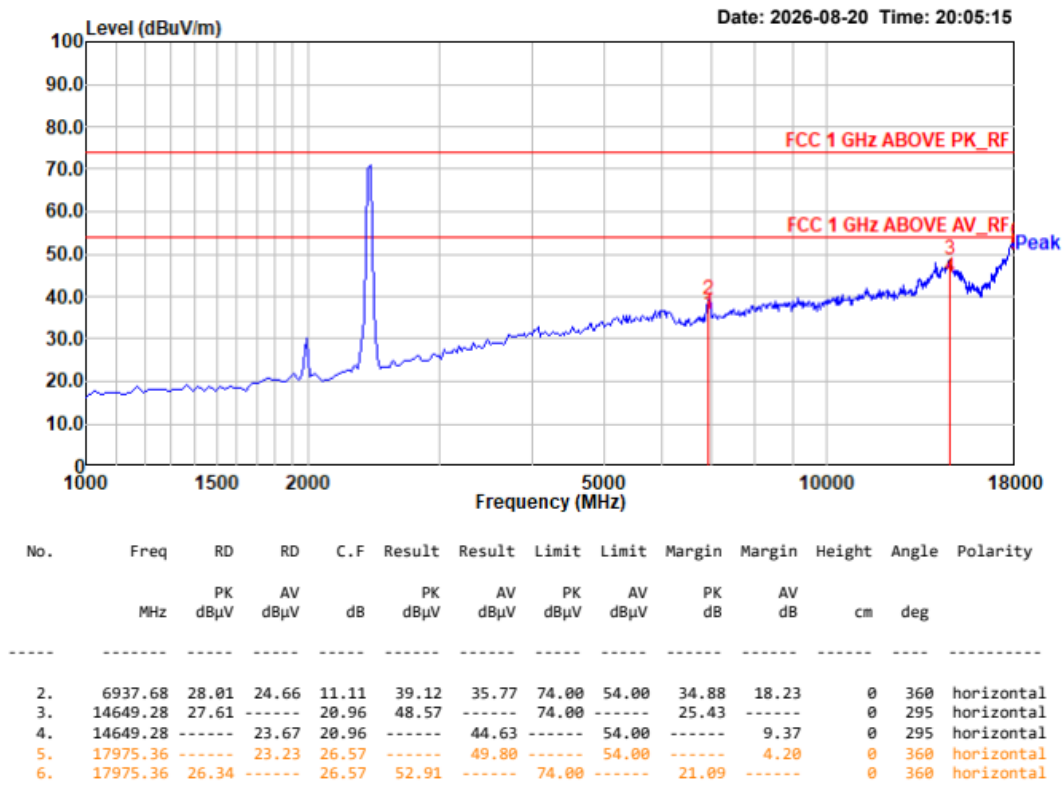
No.	Freq MHz	Reading dBuV	C.F dB	Result QP dBuV/m	Limit dBuV/m	Margin dB	Height cm	Angle deg	Polarity
1.	59.10	41.15	-12.77	28.38	40.00	11.62	0	10	horizontal
2.	237.58	39.81	-12.42	27.39	46.00	18.61	0	2	horizontal
3.	336.52	37.22	-8.72	28.50	46.00	17.50	0	258	horizontal
4.	369.50	38.82	-7.91	30.91	46.00	15.09	0	279	horizontal
5.	491.72	37.14	-5.18	31.96	46.00	14.04	0	359	horizontal
6.	992.24	29.71	4.30	34.01	54.00	19.99	0	170	horizontal

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

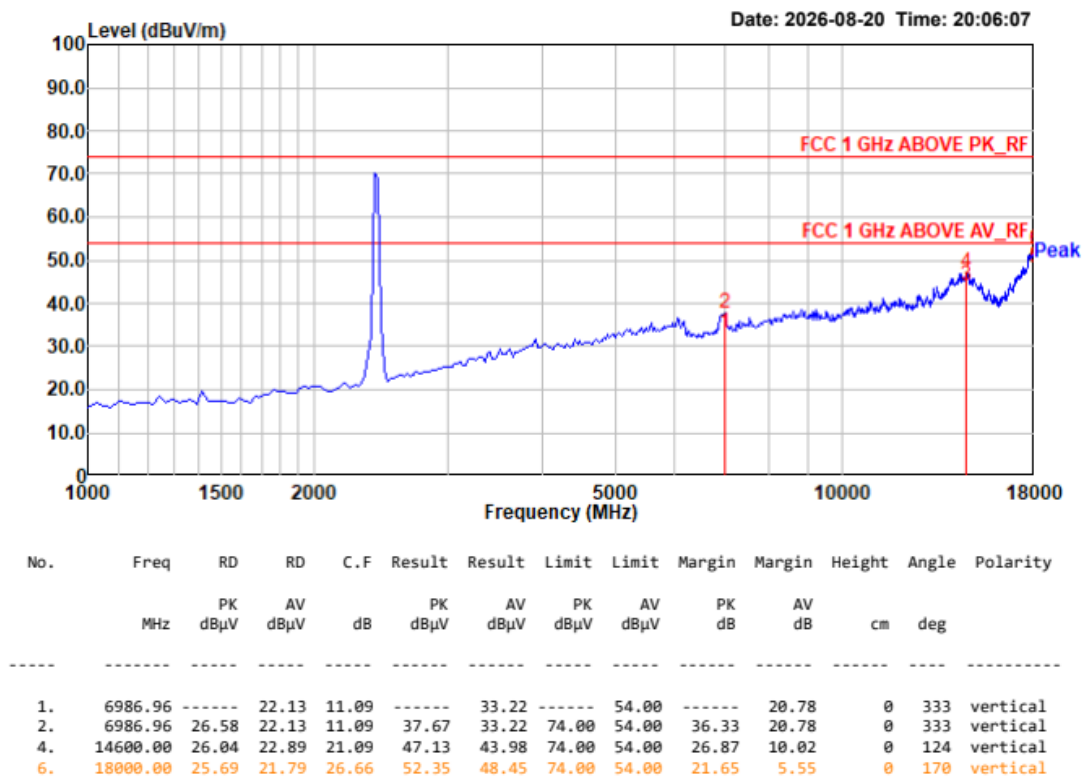


No.	Freq MHz	Reading dBuV	C.F dB	Result QP dBuV/m	Limit dBuV/m	Margin dB	Height cm	Angle deg	Polarity
1.	59.10	41.79	-12.77	29.02	40.00	10.98	0	196	vertical
2.	299.66	37.28	-9.85	27.43	46.00	18.57	0	360	vertical
3.	373.38	36.80	-7.81	28.99	46.00	17.01	0	278	vertical
4.	456.80	35.29	-5.67	29.62	46.00	16.38	0	44	vertical
5.	491.72	35.92	-5.18	30.74	46.00	15.26	0	0	vertical
6.	992.24	30.47	4.30	34.77	54.00	19.23	0	148	vertical

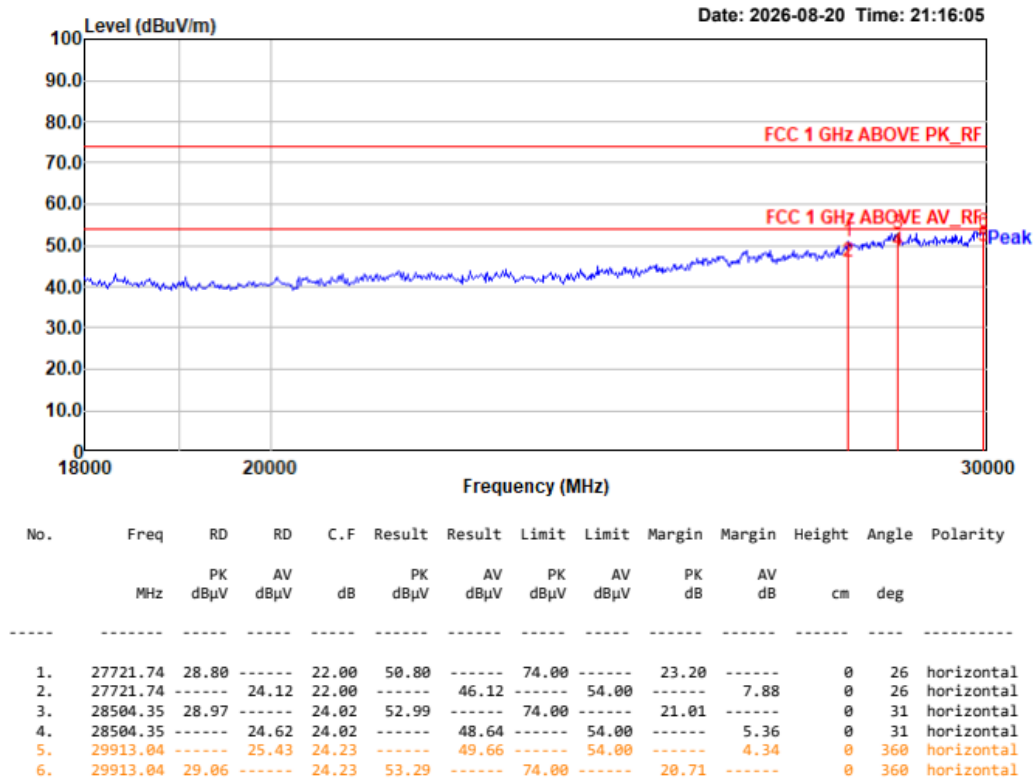
Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain



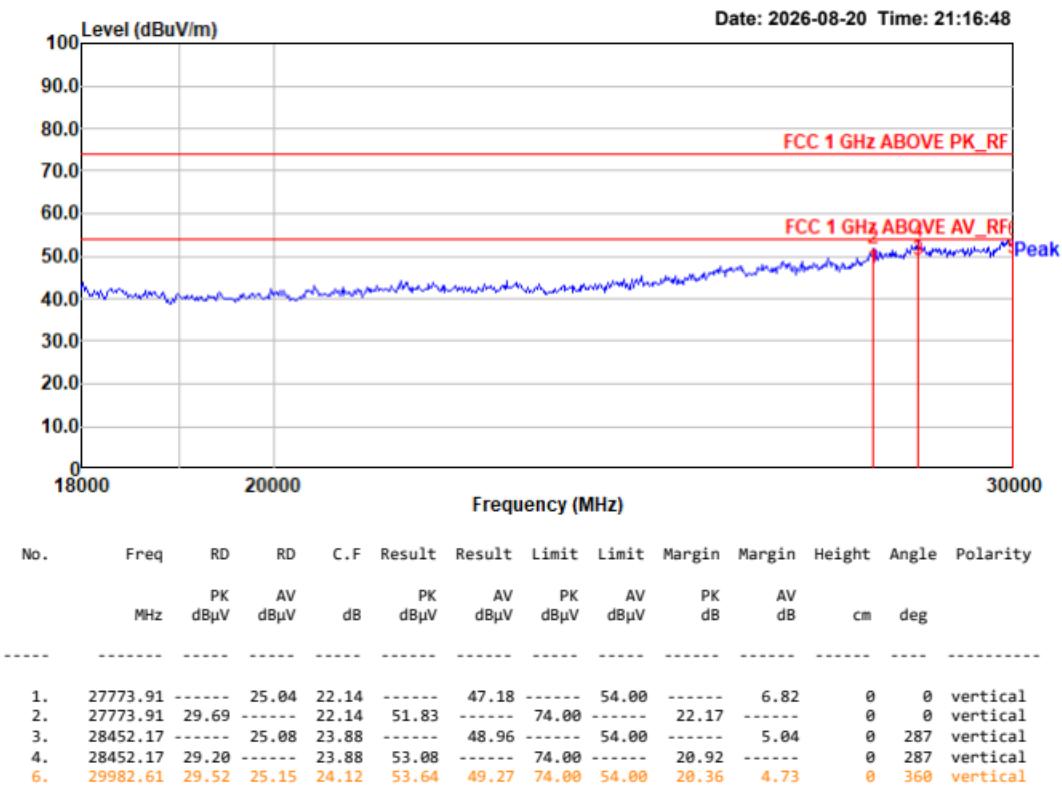
Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain



Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain



Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain



Remarks: C.F (Correction Factor) = Antenna factor + Cable loss + Measure distance - Preamp gain

3.2.7 AC Conducted Emissions

Procedure:

The conducted emissions are measured in the shielded room with a spectrum analyzer in peak hold. While the measurement, EUT had its hopping function disabled at the middle channels in line with Section 15.31(m). Emissions closest to the limit are measured in the quasi-peak mode (QP) with the tuned receiver using a bandwidth of 9 kHz. The emissions are maximized further by cable manipulation and Exerciser operation. The highest emissions relative to the limit are listed.

Minimum Standard: FCC Part 15.207(a) / EN 55022

Measurement Data: N/A

Class B

Frequency Range	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

APPENDIX

TEST EQUIPMENT USED FOR TESTS

	Use	Description	Model No.	Serial No.	Manufacturer	Interval	Next Cal. Date
1		ATTENUATOR	BM2360	48-40-34	WEINSCHTEL	1 year	2027-03-04
2		ATTENUATOR	CL5418	66-30-33	AEROFLEX/WEINSCHTEL	1 year	2027-08-14
3		POWER DIVIDER	1506A	TU981	WEINSCHTEL	1 year	2027-03-04
4		Digital Multi Meter	34401A	US36062141	H.P	1 year	2027-03-06
5	■	Power Meter	EPM-441A	GB3248170 2	H.P	1 year	2027-03-05
6	■	Power Sensor	8481A	3318A94972	H.P	1 year	2027-08-14
7		SIGNAL GENERATOR	83711B	US34490456	H.P	1 year	2027-03-05
8	■	VECTOR SIGNAL GENERATOR	SMBV100A	255081	ROHDE&SCHWARZ	1 year	2027-03-04
9		Drop tester	DT-1800	LS06053	LTA	—	N/A
10		TEMP HUMIDITY CHAMBER	NONE	LTAS06041	—	1 year	2027-03-04
11		Constant Temp & Humidity Test Chamber	SJ-503H	SJ10051301	—	1 year	2027-08-13
12	■	SIGNAL ANALYZER (10 Hz ~ 40 GHz)	FSV40	101259	ROHDE&SCHWARZ	1 year	2027-03-05
13		SIGNAL ANALYZER (10 Hz~40 GHz)	FSV40	101367	ROHDE&SCHWARZ	1 year	2027-08-14
14		WIDEBAND RADIO COMMUNICATION TESTER	CMW500	122216	ROHDE&SCHWARZ	1 year	2027-03-04
15		Active Loop Antenna	HFH2-Z2	—	ROHDE&SCHWARZ	2 year	2027-01-14
16	■	Signal Generator (~3.2 GHz)	8648C	3623A02597	HP	1 year	2027-03-04
17	■	EMI Test Receiver (~7 GHz)	ESCI7	100772	R&S	1 year	2027-08-13
18	■	RF Amplifier (~1.3 GHz)	8447D OPT 010	2944A07684	HP	—	N/A
19	■	RF Amplifier (1~26.5 GHz)	8449B	3008A02126	HP	1 year	2027-03-04
20	■	Horn Antenna (1~18 GHz)	3115	00055005	ETS	1 year	2027-03-26
21	■	DRG Horn (Small)	3116B	81109	ETS-Lindgren	2 year	2027-03-19
22	■	TRILOG Antenna	VULB 9160	9160-3237	SCHWARZBECK	—	N/A
23		Mini-Circuits Splitter	ZFSC-2-2500	SF61780032 6	Mini-Circuits	-	N/A
24		Audio Analyzer	8903B	3729A18901	HP	1 year	2027-08-13
25		Modulation Analyzer	8901B	3749A05878	HP	1 year	2027-08-14
26		LISN	KNW-407	8-1430-1	Kyoritsu	1 year	2027-08-13
27		UNIVERSAL RADIO COMMUNICATION TESTER	CMU200	106243	R&S	1 year	2027-03-04
28		Highpass Filter	WHKX1.5/15G- 10SS	74	Wainwright Instruments	1 year	2027-03-05
29		Highpass Filter	WHKX3.0/18G- 10SS	118	Wainwright Instruments	1 year	2027-03-05
30		OSP120 BASE UNIT	OSP120	101230	R&S	1 year	2027-03-05
31	■	Cable	RG400	-	HUBER SUHNER	1 year	2026-10-31