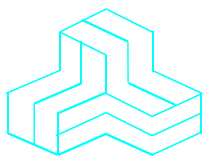


ENGINEERING TEST REPORT



Luxe 6700x
Model(s): Luxe 6700x
FCC ID: COL-LUXE6700X

Applicant:

NBS Payment Solutions Inc.
703 Evans Ave., Suite 400
Toronto, Ontario
Canada M9C 5E9

In Accordance With

Part 15, Subpart C, Section 15.247
Digital Modulation Systems (DTS) Operating in 2400 – 2483.5 MHz Band

UltraTech's File No.: 26MIS165FCC15C247DTS

This Test report is Issued under the Authority of
Tri M. Luu
Vice President of Engineering
UltraTech Group of Labs

Date: May 7, 2026

Report Prepared by: Dan Huynh

Tested by: Angus Au

Issued Date: May 7, 2026

Test Dates:
March 17- May 5, 2026

- *The results in this Test Report apply only to the sample(s) tested, and the sample tested is randomly selected.*
- *This report must not be used by the client to claim product endorsement by any agency of the US Government.*
- *This test report shall not be reproduced, except in full, without a written approval from UltraTech*

UltraTech

3000 Bristol Circle, Oakville, Ontario, Canada, L6H 6G4
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Lab Code: 0685

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CA0001

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EXHIBIT 1. INTRODUCTION

1.1. SCOPE

Reference:	FCC Part 15, Subpart C, Section 15.247
Title:	Code of Federal Regulations (CFR), Title 47 – Telecommunication, Part 15 – Radio Frequency Devices
Purpose of Test:	Class II Permissive Changes for integration of transmitter module into a mobile host with new antenna type and collocated with 13.56 MHz RFID reader.
Test Procedures:	▪ ANSI C63.4 ▪ ANSI C63.10
Environmental Classification:	☒ Commercial, industrial or business environment ☐ Residential environment

1.2. RELATED SUBMITTAL(S)/GRANT(S)

None.

1.3. NORMATIVE REFERENCES

Publication	Year	Title
47 CFR Parts 0-19	2026	Code of Federal Regulations (CFR), Title 47 – Telecommunication
ANSI C63.4	2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 KHz to 40 GHz
ANSI C63.10	2020	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
FCC, KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02	2019	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES

EXHIBIT 2. PERFORMANCE ASSESSMENT

2.1. CLIENT INFORMATION

Applicant	
Name:	NBS Payment Solutions Inc.
Address:	703 Evans Avenue, Suite 400 Toronto, Ontario Canada M9C 5E9

Manufacturer	
Name:	NBS Payment Solutions Inc.
Address:	703 Evans Avenue, Suite 400 Toronto, Ontario Canada M9C 5E9

2.2. EQUIPMENT UNDER TEST (EUT) INFORMATION

The following information (with the exception of the Date of Receipt) has been supplied by the applicant.

Brand Name:	NBS Payment Solutions Inc.
Product Name:	Luxe 6700x
Model(s):	Luxe 6700x
Serial Number:	Test Sample
Type of Equipment:	Digital Transmission System (DTS)
Input Power Supply Type:	DC: 9V via AC Adapter
Primary User Functions of EUT:	Point of Sale credit/debit financial transactions

2.3. EUT'S TECHNICAL SPECIFICATIONS

Transmitter	
Equipment Type:	Mobile
Intended Operating Environment:	Commercial, industrial or business environment
Power Supply Requirement:	9 VDC via AC Adapter
RF Output Power Rating:	IEEE for 802.11b: 18.53 dBm IEEE for 802.11g: 17.05 dBm IEEE for 802.11n HT20: 17.04 dBm
Operating Frequency Range:	IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz
Number of Channels:	11
RF Output Impedance:	50 Ω
Duty Cycle:	IEEE for 802.11b: 98.36 % IEEE for 802.11g: 98.51 % IEEE for 802.11n HT20: 98.34 %
Modulation Type(s):	IEEE for 802.11b: DBPSK, DQPSK IEEE for 802.11g: BPSK, QPSK, 16QAM, 64QAM IEEE for 802.11 n HT20/HT40: BPSK, QPSK, 16QAM, 64QAM
Antenna Connector Type:	Integral

2.4. ASSOCIATED ANTENNA DESCRIPTION

Manufacturer	Antenna Type	Part Number	Peak Gain (dBi)
Pulse	Chip Antenna	W3006	2.2 (2.4 – 2.5 GHz) 5.2 (5.15 – 7.125 GHz)

2.5. LIST OF EUT'S PORTS

Port Number	EUT's Port Description	Number of Identical Ports	Connector Type	Cable Type (Shielded/Non-shielded)
1	Main Connector	1	ShenZhen ZengChuang Connector: UC24FTN6B001	2m, non-shielded
2	Earphone Jack	1	Oupiin: 8965-3505ADT	1m, non-shielded

2.6. ANCILLARY EQUIPMENT

The EUT was tested while connected to the following representative configuration of ancillary equipment necessary to exercise the ports during tests:

AC Adapter, Model ATS018T-P090

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3000 Bristol Circle, Oakville, Ontario, Canada L6H 6G4
Tel. #: 905-829-1570, Fax. #: 905-829-8050, Email: vic@ultratech-labs.com, Website: <http://www.ultratech-labs.com>

File #: 26MIS165FCC15C247DTS
May 7, 2026

All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)

EXHIBIT 3. EUT OPERATING CONDITIONS AND CONFIGURATIONS DURING TESTS

3.1. CLIMATE TEST CONDITIONS

The climate conditions of the test environment are as follows:

Temperature:	21 to 23 °C
Humidity:	45 to 58%
Pressure:	102 kPa
Power input source:	9 VDC via AC Adapter

3.2. OPERATIONAL TEST CONDITIONS & ARRANGEMENT FOR TESTS

Operating Modes:	Each of lowest, middle and highest channel frequencies transmits continuously for tests which required the unit to operate in single channel mode.
Special Test Software:	Test software provided by the Applicant to operate the EUT at each channel frequency continuously and in the range of typical modes of operation.
Special Hardware Used:	N/A
Transmitter Test Antenna:	The EUT was tested with its antenna installed in a configuration representative of normal intended use, consistent with integral antenna equipment, for radiated measurements. For conducted power measurements, the EUT's antenna was removed and replaced with an antenna connector to enable measurement at the antenna port.

Transmitter Test Signals	
Frequency Band(s):	2412 MHz - 2462 MHz
Frequency(ies) Tested: (Near lowest, near middle & near highest frequencies in the frequency range of operation.)	2412 MHz, 2437 MHz and 2462 MHz
RF Power Output: (measured maximum output power at antenna terminals)	17.72 dBm, 0.0592 W (802.11b) 16.40 dBm, 0.0437 W (802.11g) 16.58 dBm, 0.0455 W (802.11n HT20)
Normal Test Modulation:	802.11b: DBPSK, DQPSK 802.11g: BPSK, QPSK, 16QAM, 64QAM 802.11n HT20: BPSK, QPSK, 16QAM, 64QAM
Modulating Signal Source:	Internal

EXHIBIT 4. SUMMARY OF TEST RESULTS

4.1. TEST LAB AND LOCATION

Company Name:	Ultratech Engineering labs Inc.	
Address:	3000 Bristol Circle, Oakville, Ontario, Canada, L6H 6G4 Tel.: (905) 829-1570 Fax.: (905) 829-8050 Website: www.ultratech-labs.com ,	
Test Site/Company Number:	FCC	ISED
	MRA: APEC TEL Designation no. CA0001 FRN: 0003781366	Company No.: 2049A CAB Identifier: CA0001

4.2. APPLICABILITY & SUMMARY OF EMC EMISSION TEST RESULTS

FCC Section(s)	Test Requirements	Compliance (Yes/No)
15.203	Antenna requirements	Yes
15.207(a)	AC Power Line Conducted Emissions	Yes
15.247(a)(2)	6 dB Bandwidth	N/A
15.247(b)(3)	Peak Conducted Output Power	Yes
15.247(d)	Band-Edge and RF Conducted Spurious Emissions at the Transmitter Antenna Terminal	--
15.247(d), 15.209 & 15.205	Band-Edge and Transmitter Spurious Radiated Emissions	Yes
15.247(e)	Power Spectral Density	N/A
15.247(i), 1.1307, 1.1310, 2.1091	RF Exposure	Yes

4.3. MODIFICATIONS INCORPORATED IN THE EUT FOR COMPLIANCE PURPOSES

None.

EXHIBIT 5. TEST DATA

5.1. POWER LINE CONDUCTED EMISSIONS [§15.207(a)]

5.1.1. Limit(s)

The equipment shall meet the limits of the following table:

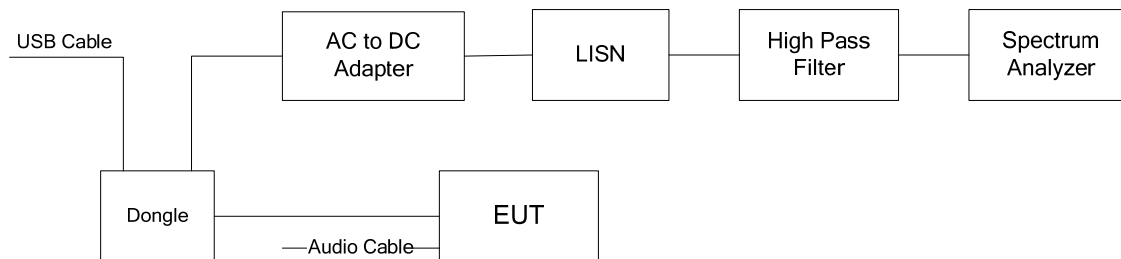
Frequency of emission (MHz)	Conducted Limits (dB μ V)	
	Quasi-peak	Average
0.15–0.5	66 to 56*	56 to 46*
0.5–5	56	46
5–30	60	50

*Decreases linearly with the logarithm of the frequency

5.1.2. Method of Measurements

ANSI C63.4

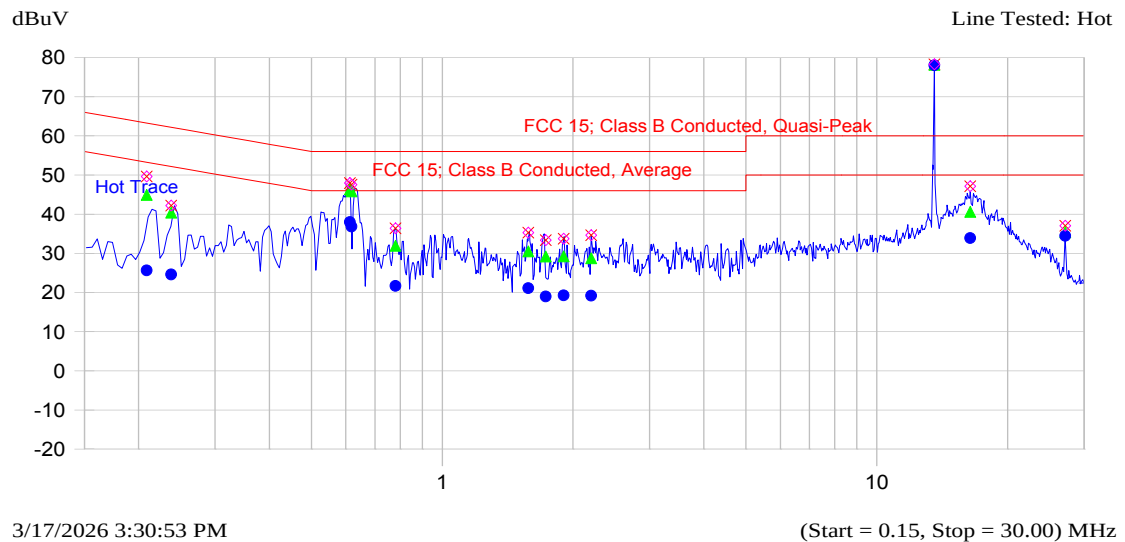
5.1.3. Test Arrangement



5.1.4. Test Data

Plot 5.1.4.1. Power Line Conducted Emissions
Line Voltage: 120 VAC, 60 Hz; Line Tested: Hot Line

Current Graph

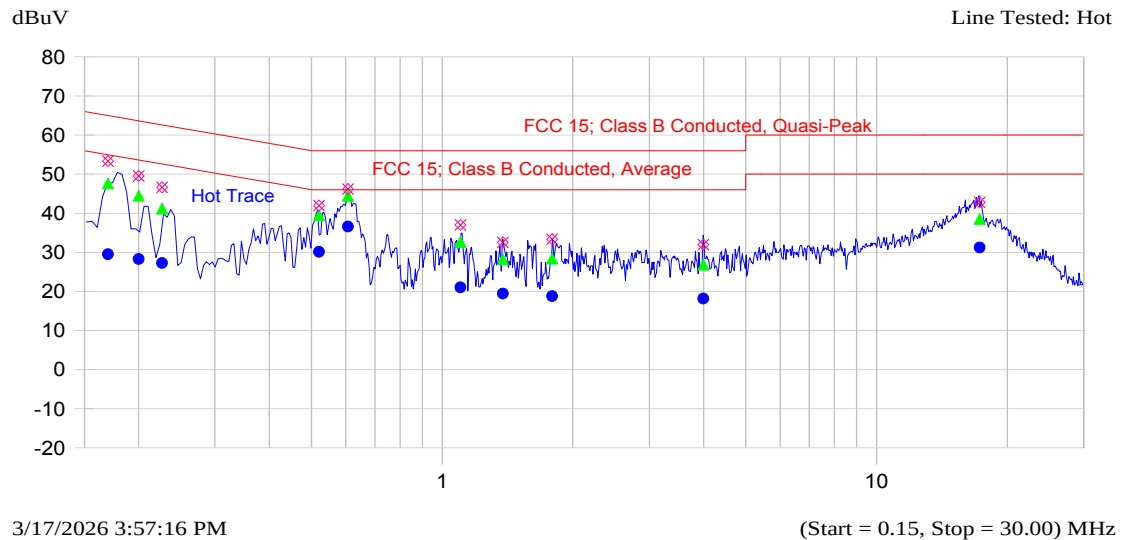


Current List

Frequency MHz	Peak dBuV	QP dBuV	QP-QP Limit dB	Avg dBuV	Avg-Avg Limit dB	Trace Name
0.209	49.6	44.9	-18.3	25.6	-27.6	Hot Trace
0.238	42.2	40.4	-21.8	24.6	-27.6	Hot Trace
0.613	47.9	46.3	-9.7	38.0	-8.0	Hot Trace
0.618	47.6	45.8	-10.2	36.8	-9.2	Hot Trace
0.780	36.4	31.9	-24.1	21.7	-24.3	Hot Trace
1.578	35.3	30.5	-25.5	21.1	-24.9	Hot Trace
1.731	33.4	29.2	-26.8	19.0	-27.0	Hot Trace
1.904	33.7	29.2	-26.8	19.3	-26.7	Hot Trace
2.200	34.6	28.7	-27.3	19.2	-26.8	Hot Trace
13.560	78.3	78.1	18.1	78.0	28.0	Hot Trace
16.407	47.1	40.6	-19.4	33.9	-16.1	Hot Trace
27.120	37.0	35.4	-24.6	34.5	-15.5	Hot Trace

Plot 5.1.4.2. Power Line Conducted Emissions (RF output terminated with a dummy load)
Line Voltage: 120 VAC, 60 Hz; Line Tested: Hot Line

Current Graph

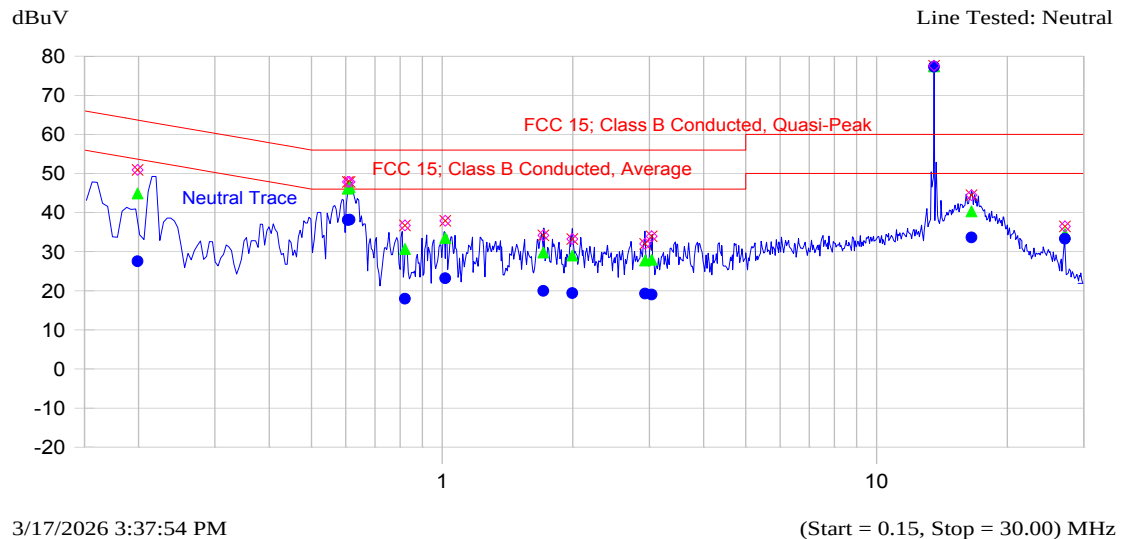


Current List

Frequency MHz	Peak dBuV	QP dBuV	QP-QP Limit dB	Avg dBuV	Avg-Avg Limit dB	Trace Name
0.170	53.3	47.6	-17.4	29.5	-25.5	Hot Trace
0.200	49.5	44.5	-19.1	28.3	-25.3	Hot Trace
0.227	46.6	41.2	-21.4	27.3	-25.3	Hot Trace
0.520	41.9	39.5	-16.5	30.1	-15.9	Hot Trace
0.607	46.2	44.4	-11.6	36.6	-9.4	Hot Trace
1.102	37.0	32.7	-23.3	21.0	-25.0	Hot Trace
1.378	32.5	28.2	-27.8	19.4	-26.6	Hot Trace
1.792	33.4	28.4	-27.6	18.8	-27.2	Hot Trace
3.995	32.0	26.8	-29.2	18.2	-27.8	Hot Trace
17.269	42.7	38.5	-21.5	31.2	-18.8	Hot Trace

Plot 5.1.4.3. Power Line Conducted Emissions
Line Voltage: 120 VAC, 60 Hz; Line Tested: Neutral Line

Current Graph

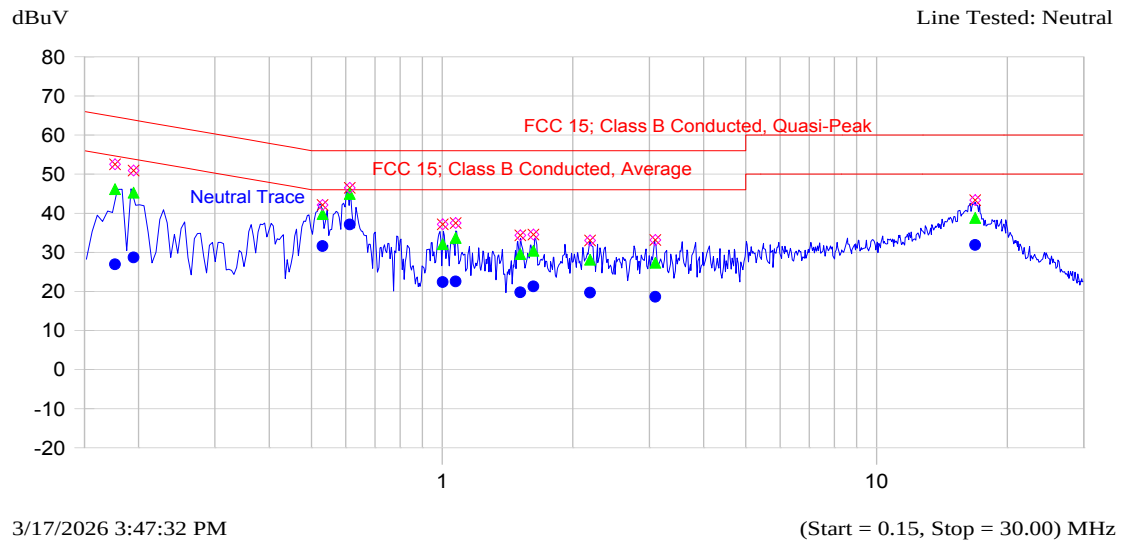


Current List

Frequency MHz	Peak dBuV	QP dBuV	QP-QP Limit dB	Avg dBuV	Avg-Avg Limit dB	Trace Name
0.199	50.9	44.9	-18.8	27.6	-26.1	Neutral Trace
0.606	47.8	46.1	-9.9	38.1	-7.9	Neutral Trace
0.612	47.8	46.5	-9.5	38.2	-7.8	Neutral Trace
0.821	36.7	30.7	-25.3	18.0	-28.0	Neutral Trace
1.017	37.9	33.5	-22.5	23.2	-22.8	Neutral Trace
1.710	34.1	29.8	-26.2	20.0	-26.0	Neutral Trace
1.993	33.2	29.0	-27.0	19.4	-26.6	Neutral Trace
2.933	32.0	27.7	-28.3	19.3	-26.7	Neutral Trace
3.035	33.9	28.0	-28.0	19.0	-27.0	Neutral Trace
13.560	77.5	77.4	17.4	77.3	27.3	Neutral Trace
16.548	44.5	40.3	-19.7	33.6	-16.4	Neutral Trace
27.121	36.4	34.5	-25.5	33.3	-16.7	Neutral Trace

Plot 5.1.4.4. Power Line Conducted Emissions (RF output terminated with a dummy load)
Line Voltage: 120 VAC, 60 Hz; Line Tested: Neutral Line

Current Graph



Current List

Frequency MHz	Peak dBuV	QP dBuV	QP-QP Limit dB	Avg dBuV	Avg-Avg Limit dB	Trace Name
0.177	52.5	46.2	-18.5	26.9	-27.7	Neutral Trace
0.195	50.9	45.2	-18.6	28.7	-25.2	Neutral Trace
0.531	42.1	39.8	-16.2	31.6	-14.4	Neutral Trace
0.613	46.5	44.9	-11.1	37.1	-8.9	Neutral Trace
1.003	37.1	32.1	-23.9	22.4	-23.6	Neutral Trace
1.074	37.5	33.7	-22.3	22.5	-23.5	Neutral Trace
1.512	34.3	29.5	-26.5	19.8	-26.2	Neutral Trace
1.622	34.5	30.4	-25.6	21.2	-24.8	Neutral Trace
2.189	33.0	28.1	-27.9	19.7	-26.3	Neutral Trace
3.095	33.1	27.3	-28.7	18.6	-27.4	Neutral Trace
16.858	43.3	38.8	-21.2	31.9	-18.1	Neutral Trace

5.3. MAXIMUM PEAK CONDUCTED OUTPUT POWER [§ 15.247(b)(3)]

5.3.1. Limit(s)

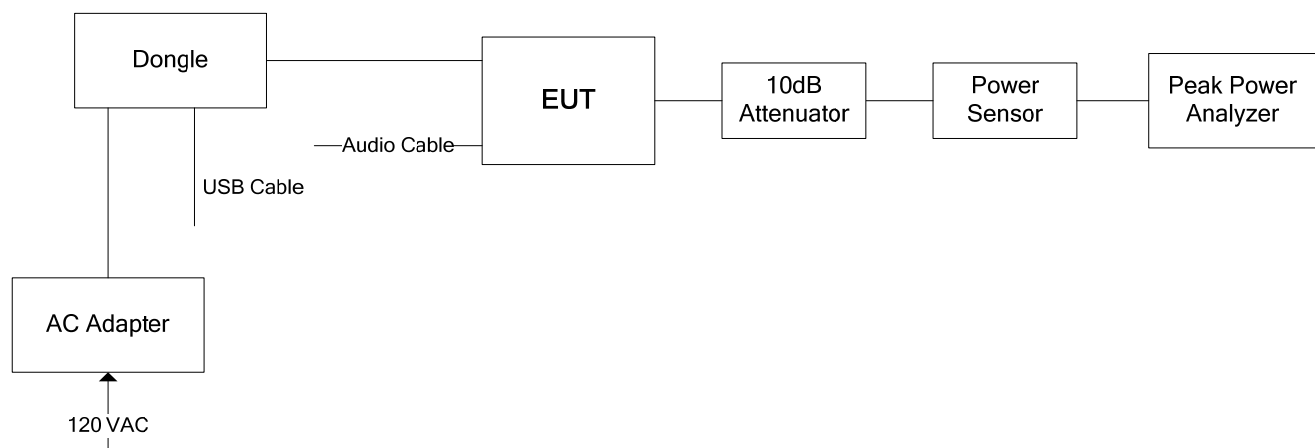
§15.247(b)(3): For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the *maximum conducted output power* is the highest total transmit power occurring in any mode.

§15.247(b)(4): The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.3.2. Method of Measurements

ANSI 63.10-2020, Section 11.9.1.2 PKPM1 Peak power meter method

5.3.3. Test Arrangement



5.3.4. Test Data

Operating Mode	Frequency (MHz)	Max. Peak Output Power at Antenna Terminal		Max. Peak Conducted Output Power Limit (dBm)
		(dBm)	(W)	
802.11b	2412	16.92	0.0492	30
	2437	17.72	0.0592	30
	2462	16.73	0.0471	30
802.11g	2412	10.11	0.0103	30
	2437	16.40	0.0437	30
	2462	10.37	0.0109	30
802.11n HT20	2412	8.96	0.0079	30
	2437	16.58	0.0455	30
	2462	8.88	0.0077	30

5.4. TRANSMITTER SPURIOUS RADIATED EMISSIONS AT 3 METERS [§§ 15.247(d), 15.209 & 15.205]

5.4.1. Limit

§ 15.247 (d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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 the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Section 15.205(a) - Restricted Bands of Operation

MHz	MHz	MHz	GHz
0.090–0.110	16.42–16.423	399.9–410	4.5–5.15
¹ 0.495–0.505	16.69475–16.69525	608–614	5.35–5.46
2.1735–2.1905	16.80425–16.80475	960–1240	7.25–7.75
4.125–4.128	25.5–25.67	1300–1427	8.025–8.5
4.17725–4.17775	37.5–38.25	1435–1626.5	9.0–9.2
4.20725–4.20775	73–74.6	1645.5–1646.5	9.3–9.5
6.215–6.218	74.8–75.2	1660–1710	10.6–12.7
6.26775–6.26825	108–121.94	1718.8–1722.2	13.25–13.4
6.31175–6.31225	123–138	2200–2300	14.47–14.5
8.291–8.294	149.9–150.05	2310–2390	15.35–16.2
8.362–8.366	156.52475–156.52525	2483.5–2500	17.7–21.4
8.37625–8.38675	156.7–156.9	2655–2900	22.01–23.12
8.41425–8.41475	162.0125–167.17	3260–3267	23.6–24.0
12.29–12.293	167.72–173.2	3332–3339	31.2–31.8
12.51975–12.52025	240–285	3345.8–3358	36.43–36.5
12.57675–12.57725	322–335.4	3600–4400	(²)
13.36–13.41.			

¹ Until February 1, 1999, this restricted band shall be 0.490–0.510 MHz.

² Above 38.6

Section 15.209(a) - Field Strength Limits within Restricted Frequency Bands

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 - 0.490	2,400 / F (kHz)	300
0.490 - 1.705	24,000 / F (kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

ULTRATECH GROUP OF LABS

3000 Bristol Circle, Oakville, Ontario, Canada L6H 6G4

Tel. #: 905-829-1570, Fax. #: 905-829-8050, Email: vic@ultratech-labs.com, Website: <http://www.ultratech-labs.com>

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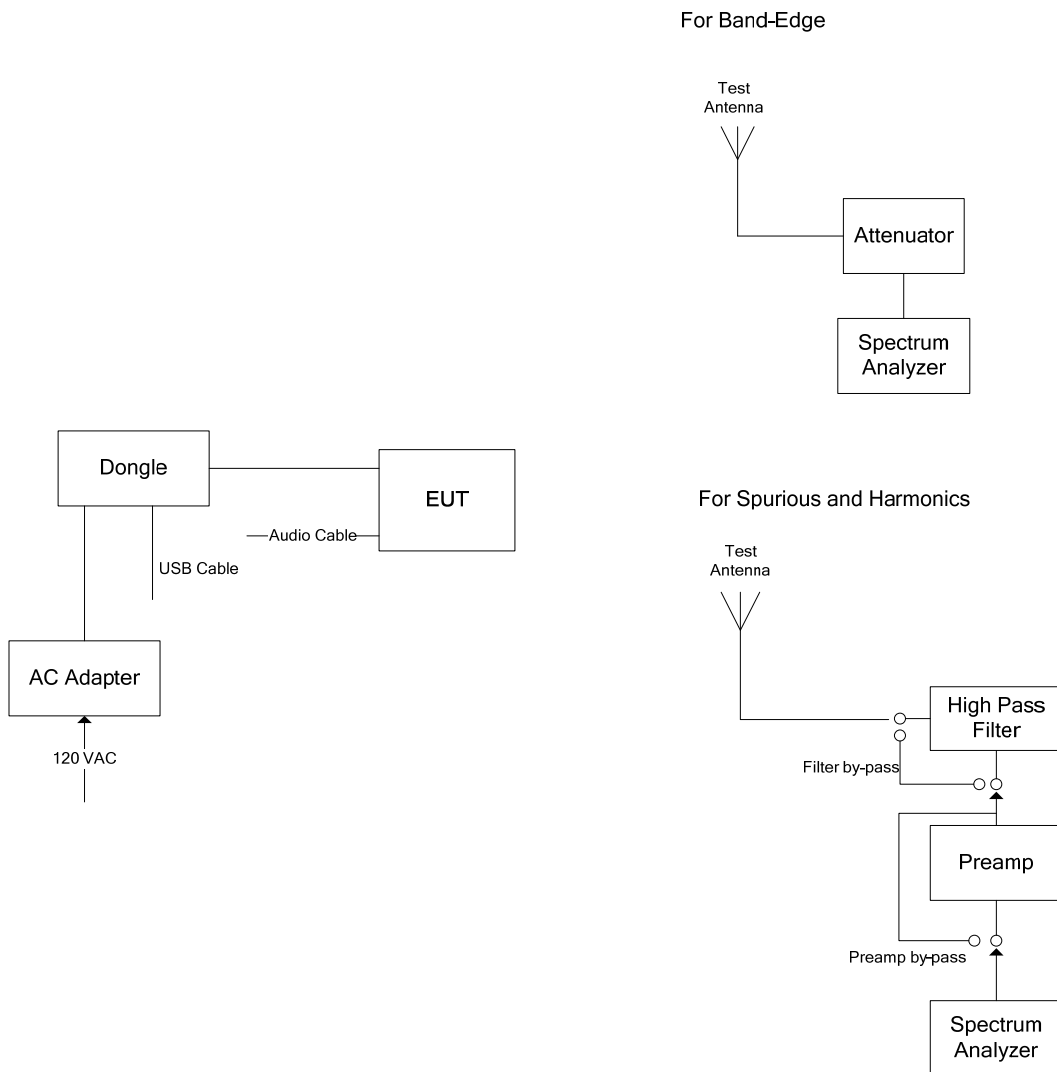
May 7, 2026

All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)

5.4.2. Method of Measurements

ANSI C63.10 and ANSI 63.4 procedures.

5.4.3. Test Arrangement



5.4.4. Test Data

Remark(s):

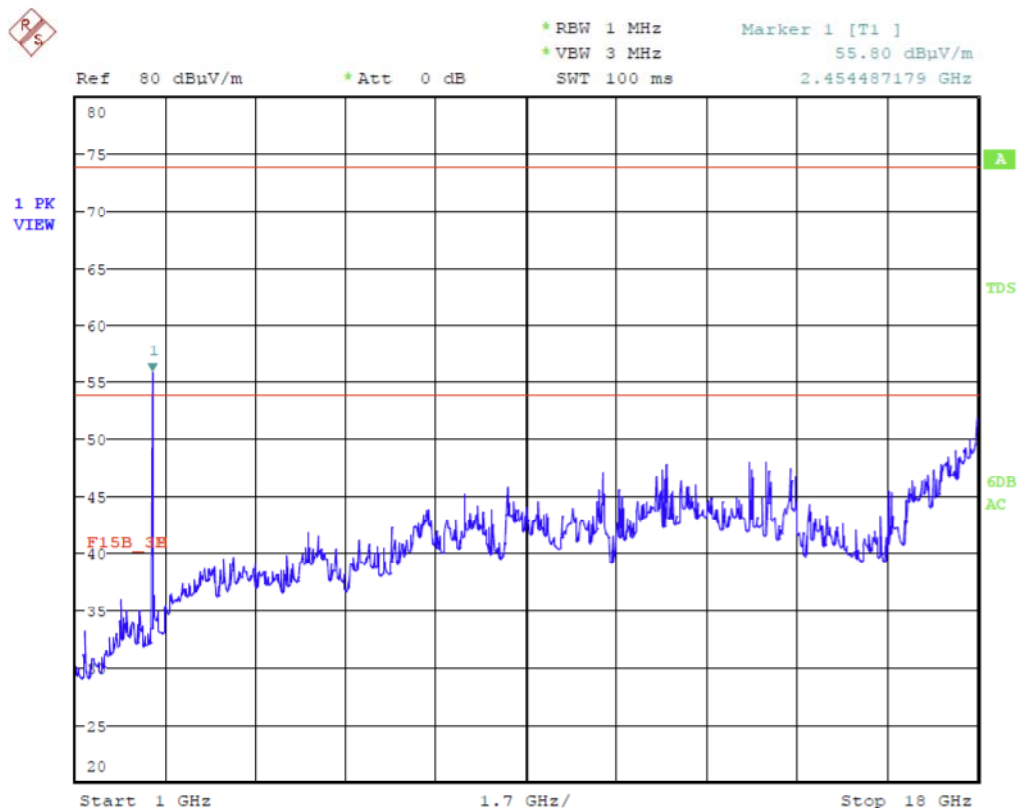
- All spurious emissions that are in excess of 20 dB below the specified limit shall be recorded.
- The following test data represent the worst-case derived from exploratory tests.
- The worst-case test configurations:
 - 802.11b mode: 11 Mbps
 - 802.11g mode: 6 Mbps
 - 802.11n HT20 mode: MCS0

5.4.4.1. Spurious Radiated Emission

802.11b 11 Mbps, 1-18 GHz, Rx Antenna in Vertical Orientation (worst-case)

Sweep Settings Screen A

Center Frequency	9.500000 GHz	Ref Level	80.000 dBμV/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	17.000000 GHz	Ref Position	100.000 %
Start Frequency	1.000000 GHz	Level Range	60.000 dB
Stop Frequency	18.000000 GHz	RF Att	0.000 dB
RBW	1.000000 MHz		
VBW	3.000000 MHz	X-Axis	LIN
Sweep Time	100.00 ms	Y-Axis	LOG



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3000 Bristol Circle, Oakville, Ontario, Canada L6H 6G4
Tel. #: 905-829-1570, Fax. #: 905-829-8050, Email: vic@ultratech-labs.com, Website: <http://www.ultratech-labs.com>

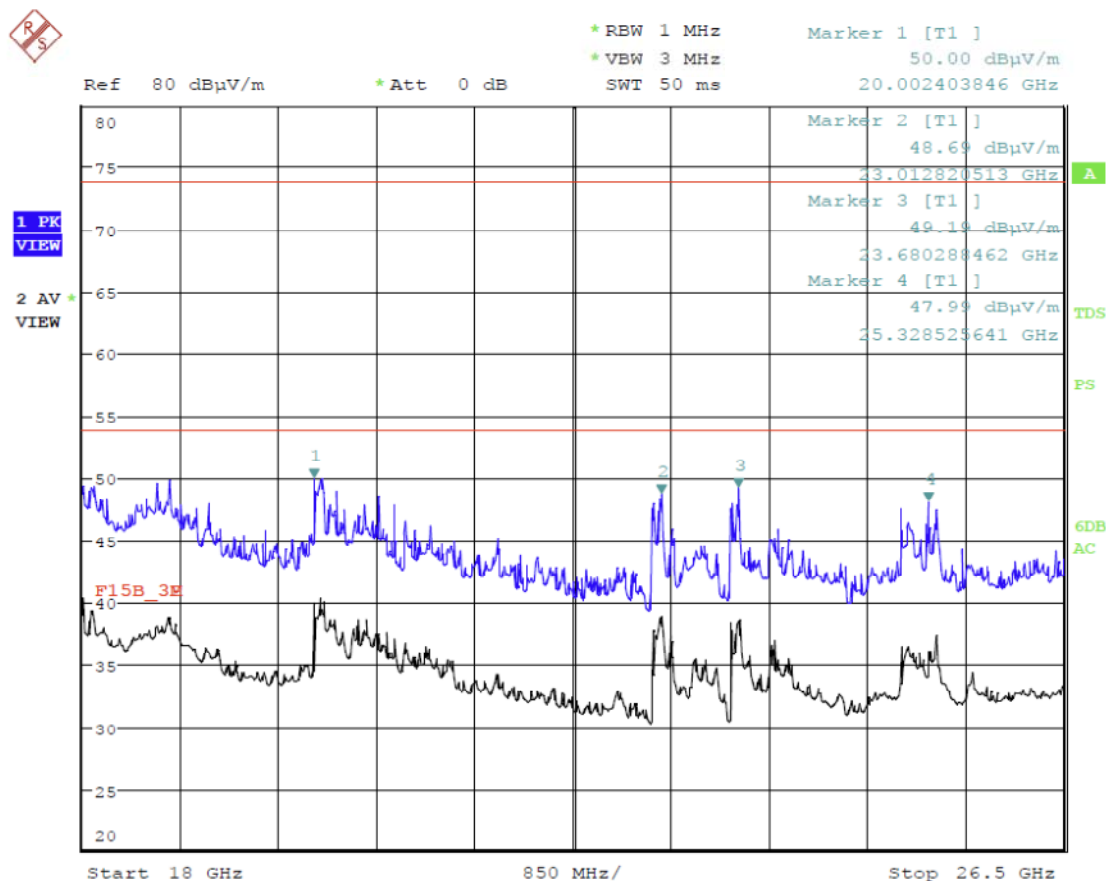
File #: 26MIS165FCC15C247DTS
May 7, 2026

All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)

802.11b 11 Mbps, 18-26.5 GHz, Rx Antenna in Vertical Orientation (worst-case)

Sweep Settings Screen A

Center Frequency	22.250000 GHz	Ref Level	80.000 dBμV/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	8.500000 GHz	Ref Position	100.000 %
Start Frequency	18.000000 GHz	Level Range	60.000 dB
Stop Frequency	26.500000 GHz	RF Att	0.000 dB
RBW	1.000000 MHz		
VBW	3.000000 MHz	X-Axis	LIN
Sweep Time	50.00 ms	Y-Axis	LOG



ULTRATECH GROUP OF LABS

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File #: 26MIS165FCC15C247DTS
May 7, 2026

All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)

Operating Mode:		802.11b,11 Mbps					
Fundamental Frequency:		2412 MHz					
Frequency Test Range:		30 MHz – 25 GHz					
Frequency (MHz)	RF Peak Level (dBµV/m)	RF Avg Level (dBµV/m)	Antenna Plane (H/V)	Limit 15.209 (dBµV/m)	Limit 15.247 (dBµV/m)	Margin (dB)	Pass/Fail
2412.0	103.90	--	V	--	--	--	--
2412.0	103.89	--	H	--	--	--	--
30 - 26500	*	*	V/H	*	*	*	*

*No spurious emissions detected.

Operating Mode:		802.11b,11 Mbps					
Fundamental Frequency:		2437.0 MHz					
Frequency Test Range:		30 MHz – 25 GHz					
Frequency (MHz)	RF Peak Level (dBµV/m)	RF Avg Level (dBµV/m)	Antenna Plane (H/V)	Limit 15.209 (dBµV/m)	Limit 15.247 (dBµV/m)	Margin (dB)	Pass/Fail
2437.0	103.78	--	V	--	--	--	--
2437.0	102.62	--	H	--	--	--	--
30 - 26500	*	*	V/H	*	*	*	*

*Spurious emissions detected are more than 20dB below limit.

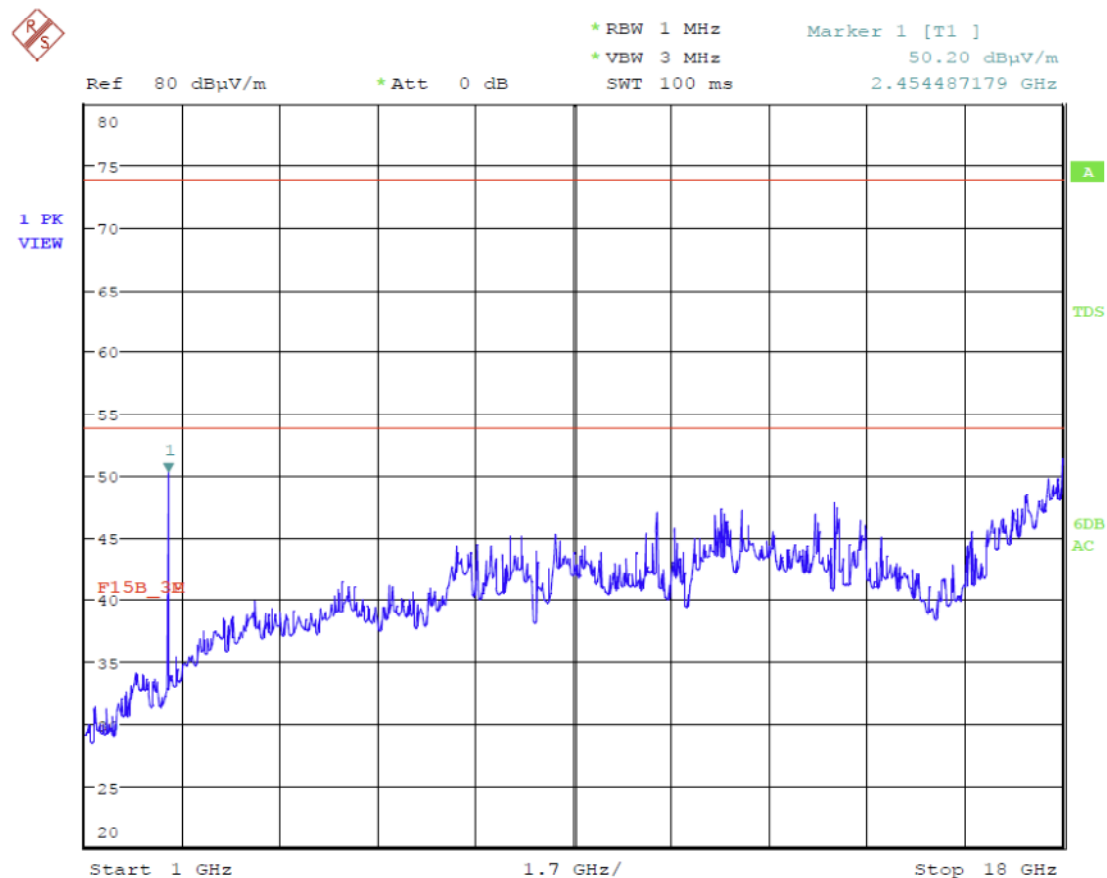
Operating Mode:		802.11b,11 Mbps					
Fundamental Frequency:		2462.0 MHz					
Frequency Test Range:		30 MHz – 25 GHz					
Frequency (MHz)	RF Peak Level (dBµV/m)	RF Avg Level (dBµV/m)	Antenna Plane (H/V)	Limit 15.209 (dBµV/m)	Limit 15.247 (dBµV/m)	Margin (dB)	Pass/Fail
2462.0	103.54	--	V	--	--	--	--
2462.0	100.02	--	H	--	--	--	--
30 - 26500	*	*	V/H	*	*	*	*

*No spurious emissions detected.

802.11g, 6 Mbps, 1-18 GHz, Rx Antenna in Vertical Orientation (worst-case)

Sweep Settings Screen A

Center Frequency	9.500000 GHz	Ref Level	80.000 dBμV/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	17.000000 GHz	Ref Position	100.000 %
Start Frequency	1.000000 GHz	Level Range	60.000 dB
Stop Frequency	18.000000 GHz	RF Att	0.000 dB
RBW	1.000000 MHz		
VBW	3.000000 MHz	X-Axis	LIN
Sweep Time	100.00 ms	Y-Axis	LOG



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File #: 26MIS165FCC15C247DTS

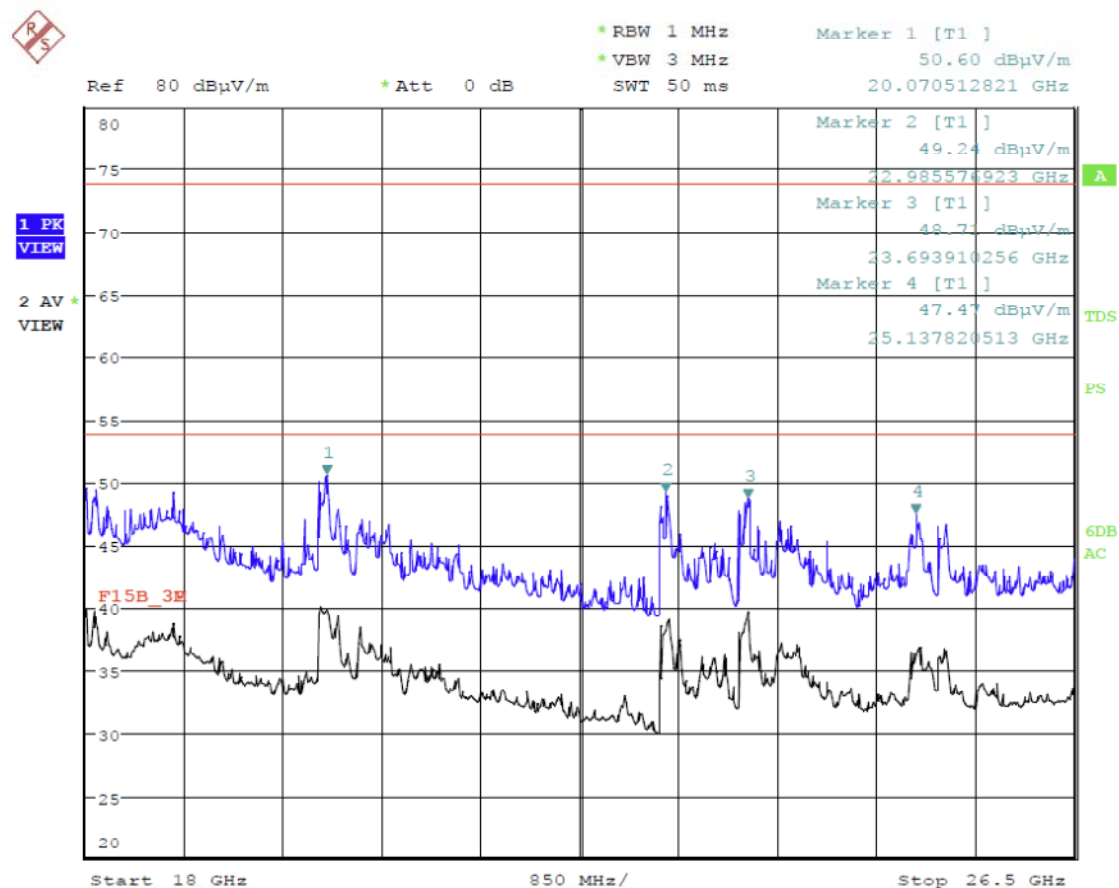
May 7, 2026

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802.11g, 6 Mbps, 18-26.5 GHz, Rx Antenna in Vertical Orientation (worst-case)

Sweep Settings Screen A

Center Frequency	22.250000 GHz	Ref Level	80.000 dBμV/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	8.500000 GHz	Ref Position	100.000 %
Start Frequency	18.000000 GHz	Level Range	60.000 dB
Stop Frequency	26.500000 GHz	RF Att	0.000 dB
RBW	1.000000 MHz		
VBW	3.000000 MHz	X-Axis	LIN
Sweep Time	50.00 ms	Y-Axis	LOG



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Operating Mode:		802.11g, 6 Mbps					
Fundamental Frequency:		2412.0 MHz					
Frequency Test Range:		30 MHz – 25 GHz					
Frequency (MHz)	RF Peak Level (dBµV/m)	RF Avg Level (dBµV/m)	Antenna Plane (H/V)	Limit 15.209 (dBµV/m)	Limit 15.247 (dBµV/m)	Margin (dB)	Pass/Fail
2412.0	95.58	--	V	--	--	--	--
2412.0	93.15	--	H	--	--	--	--
30 - 26500	*	*	V/H	*	*	*	*

*No spurious emissions detected.

Operating Mode:		802.11g, 6 Mbps					
Fundamental Frequency:		2437.0 MHz					
Frequency Test Range:		30 MHz – 25 GHz					
Frequency (MHz)	RF Peak Level (dBµV/m)	RF Avg Level (dBµV/m)	Antenna Plane (H/V)	Limit 15.209 (dBµV/m)	Limit 15.247 (dBµV/m)	Margin (dB)	Pass/Fail
2437.0	95.24	--	V	--	--	--	--
2437.0	93.75	--	H	--	--	--	--
30 - 26500	*	*	V/H	*	*	*	*

*No spurious emissions detected.

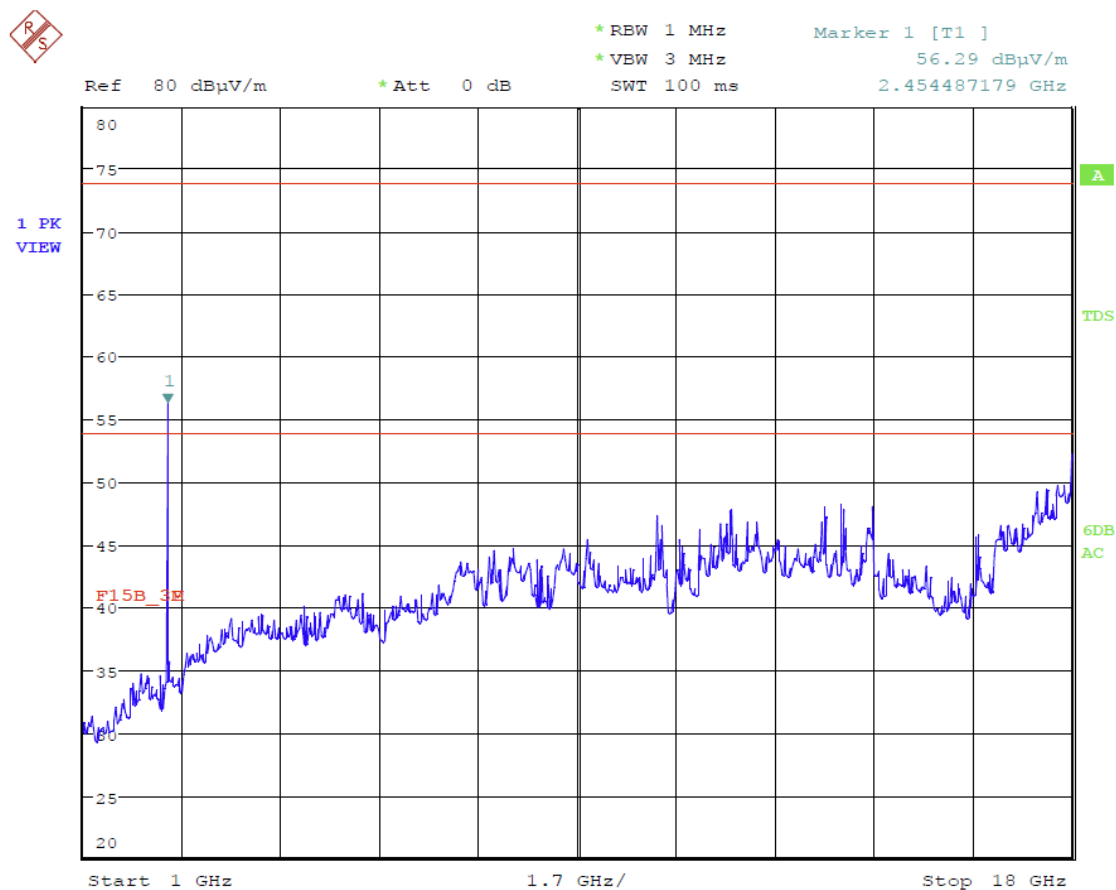
Operating Mode:		802.11g, 6 Mbps					
Fundamental Frequency:		2462.0 MHz					
Frequency Test Range:		30 MHz – 25 GHz					
Frequency (MHz)	RF Peak Level (dBµV/m)	RF Avg Level (dBµV/m)	Antenna Plane (H/V)	Limit 15.209 (dBµV/m)	Limit 15.247 (dBµV/m)	Margin (dB)	Pass/Fail
2462.0	94.71	--	V	--	--	--	--
2462.0	94.57	--	H	--	--	--	--
30 - 26500	*	*	V/H	*	*	*	*

*No spurious emissions detected.

802.11n HT20, MCS0, 1-18 GHz, Rx Antenna in Vertical Orientation (worst-case)

Sweep Settings Screen A

Center Frequency	9.500000 GHz	Ref Level	80.000 dBμV/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	17.000000 GHz	Ref Position	100.000 %
Start Frequency	1.000000 GHz	Level Range	60.000 dB
Stop Frequency	18.000000 GHz	RF Att	0.000 dB
RBW	1.000000 MHz		
VBW	3.000000 MHz	X-Axis	LIN
Sweep Time	100.00 ms	Y-Axis	LOG



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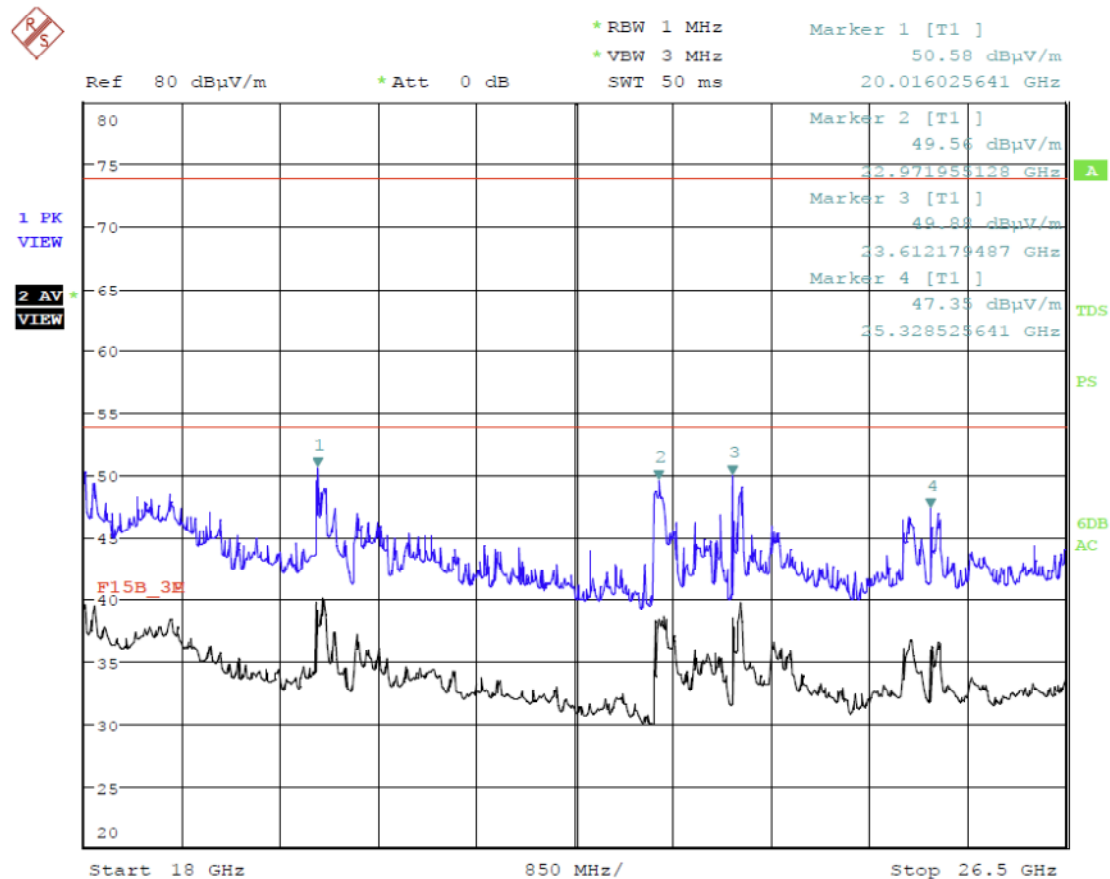
May 7, 2026

All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)

802.11n HT20, MCS0, 18-26.5 GHz, Rx Antenna in Vertical Orientation (worst-case)

Sweep Settings Screen A

Center Frequency	22.250000 GHz	Ref Level	80.000 dBμV/m
Frequency Offset	0.000000 Hz	Ref Level Offset	0.000 dB
Span	8.500000 GHz	Ref Position	100.000 %
Start Frequency	18.000000 GHz	Level Range	60.000 dB
Stop Frequency	26.500000 GHz	RF Att	0.000 dB
RBW	1.000000 MHz	X-Axis	LIN
VBW	3.000000 MHz	Y-Axis	LOG
Sweep Time	50.00 ms		



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File #: 26MIS165FCC15C247DTS
May 7, 2026

All test results contained in this engineering test report are traceable to National Institute of Standards and Technology (NIST)

Operating Mode:		802.11n HT20, MCS0					
Fundamental Frequency:		2412.0 MHz					
Frequency Test Range:		30 MHz – 25 GHz					
Frequency (MHz)	RF Peak Level (dBµV/m)	RF Avg Level (dBµV/m)	Antenna Plane (H/V)	Limit 15.209 (dBµV/m)	Limit 15.247 (dBµV/m)	Margin (dB)	Pass/Fail
2412.0	95.26	--	V	--	--	--	--
2412.0	92.61	--	H	--	--	--	--
30 - 26500	*	*	V/H	*	*	*	*

*No spurious emissions detected.

Operating Mode:		802.11n HT20, MCS0					
Fundamental Frequency:		2437.0 MHz					
Frequency Test Range:		30 MHz – 25 GHz					
Frequency (MHz)	RF Peak Level (dBµV/m)	RF Avg Level (dBµV/m)	Antenna Plane (H/V)	Limit 15.209 (dBµV/m)	Limit 15.247 (dBµV/m)	Margin (dB)	Pass/Fail
2437.0	95.07	--	V	--	--	--	--
2437.0	92.66	--	H	--	--	--	--
30 - 26500	*	*	V/H	*	*	*	*

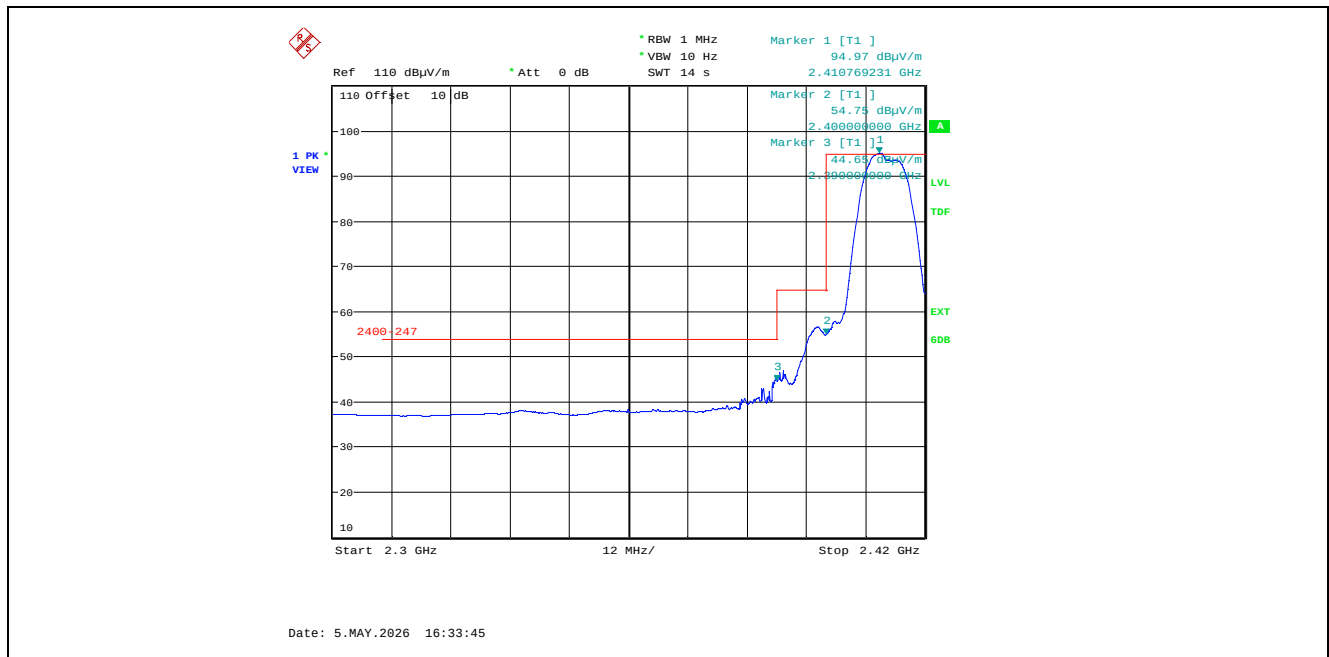
*No spurious emissions detected.

Operating Mode:		802.11n HT20, MCS0					
Fundamental Frequency:		2462.0 MHz					
Frequency Test Range:		30 MHz – 25 GHz					
Frequency (MHz)	RF Peak Level (dBµV/m)	RF Avg Level (dBµV/m)	Antenna Plane (H/V)	Limit 15.209 (dBµV/m)	Limit 15.247 (dBµV/m)	Margin (dB)	Pass/Fail
2462.0	94.14	--	V	--	--	--	--
2462.0	92.70	--	H	--	--	--	--
30 - 26500	*	*	V/H	*	*	*	*

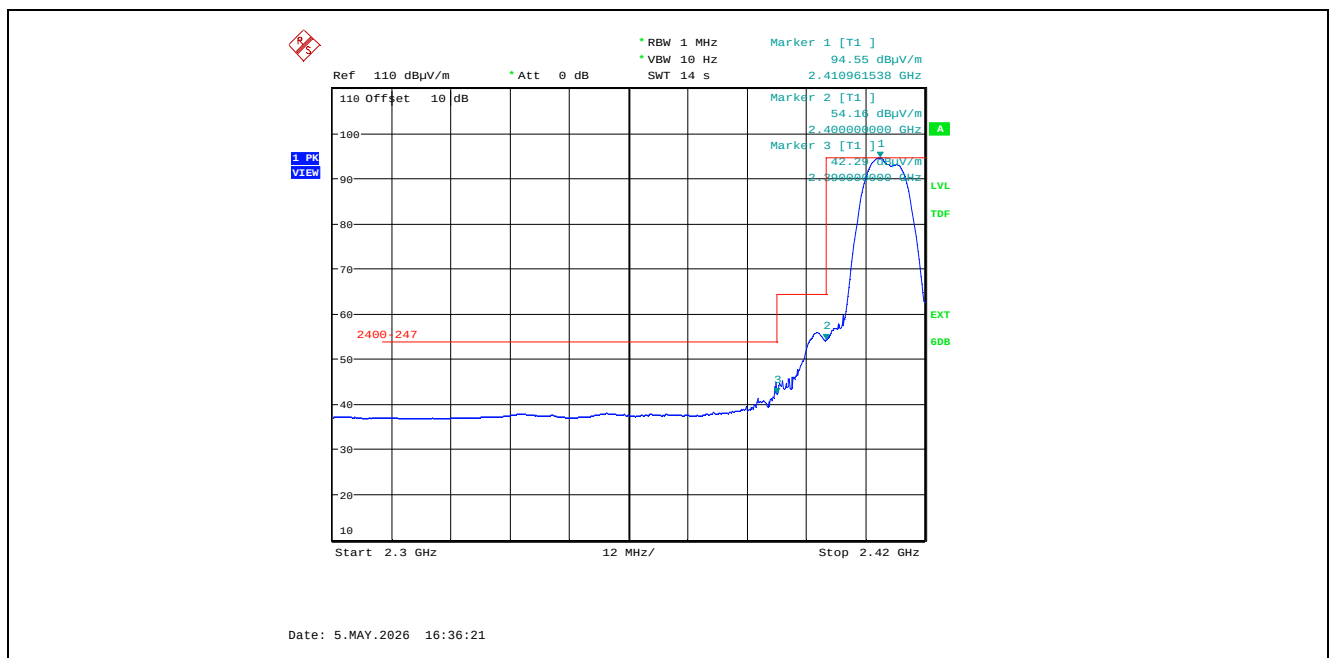
*No spurious emissions detected.

5.4.4.2. Band-Edge RF Radiated Emissions

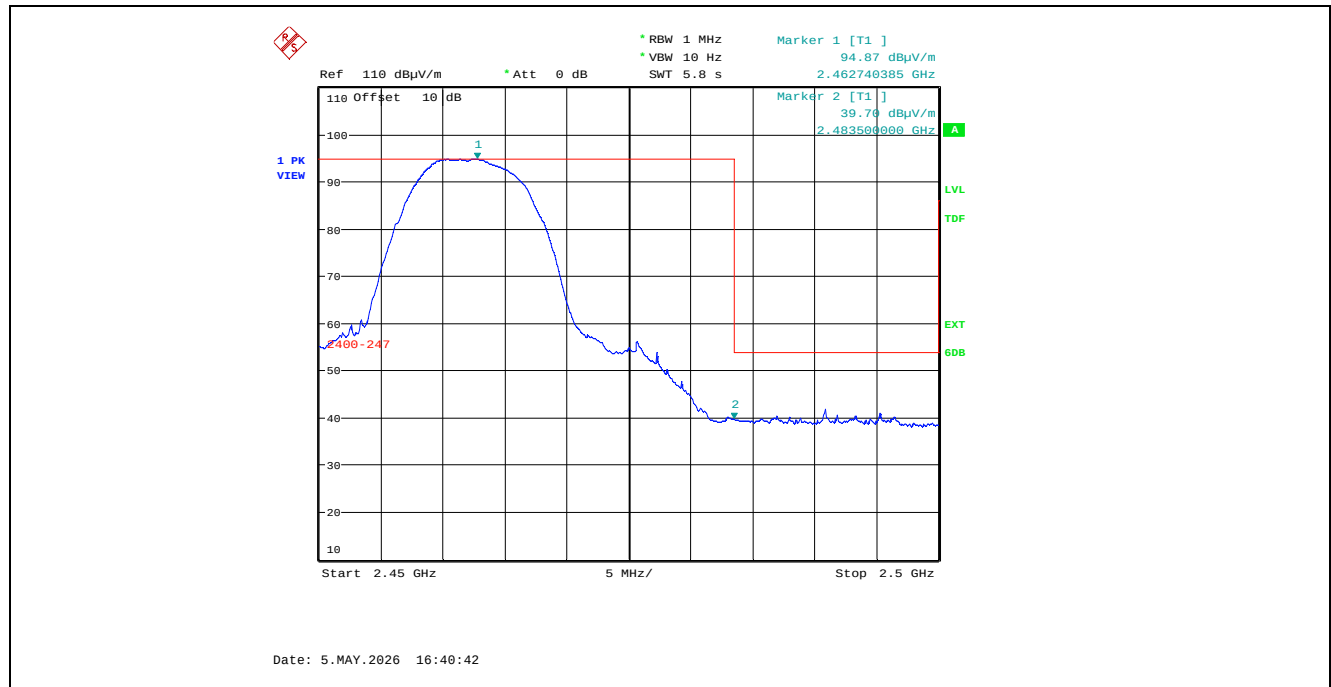
Plot 5.4.4.2.1. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11b, Low End of Frequency Band, 2412 MHz



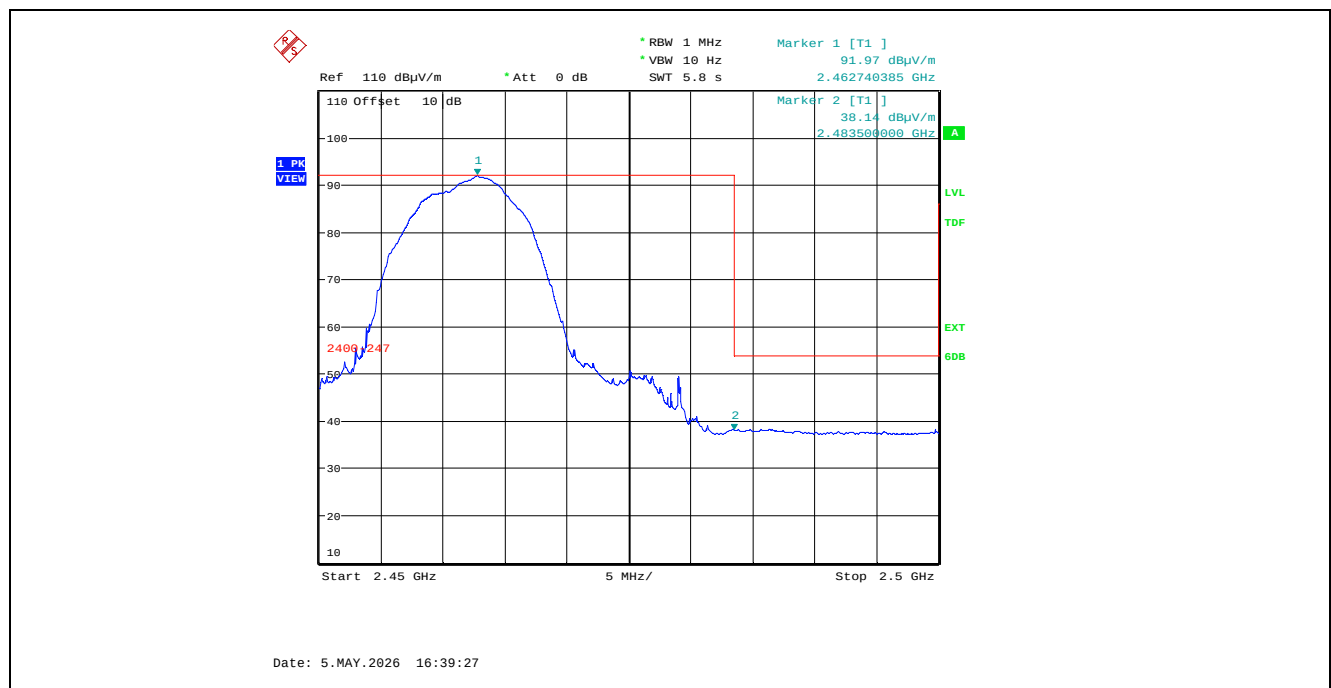
Plot 5.4.4.2.2. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11b, Low End of Frequency Band, 2412 MHz



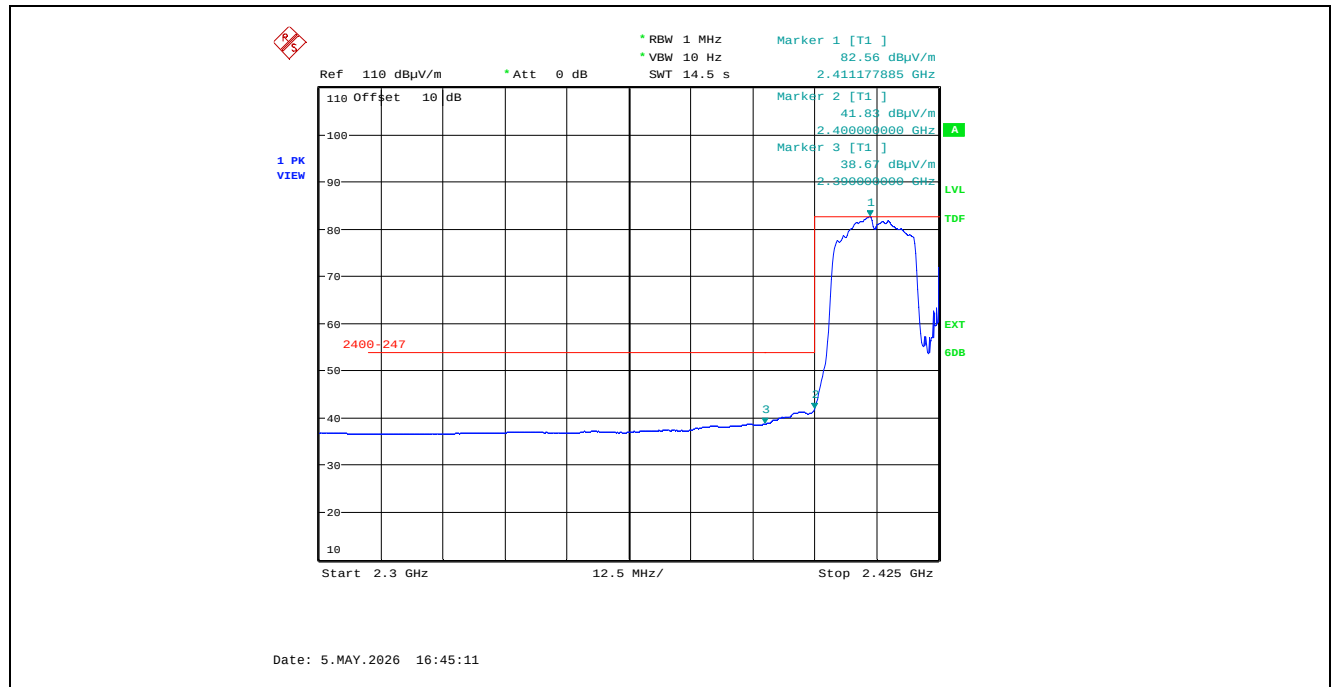
Plot 5.4.4.2.3. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11b, High End of Frequency Band, 2462 MHz



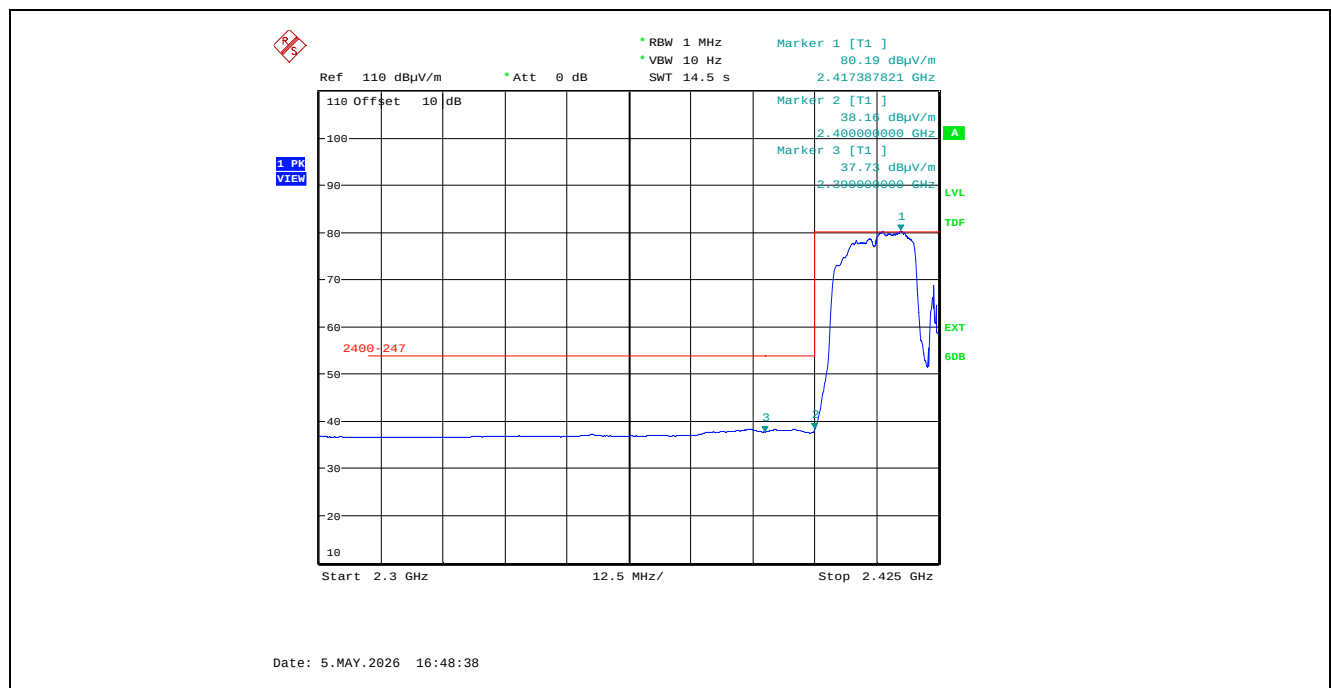
Plot 5.4.4.2.4. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11b, High End of Frequency Band, 2462 MHz



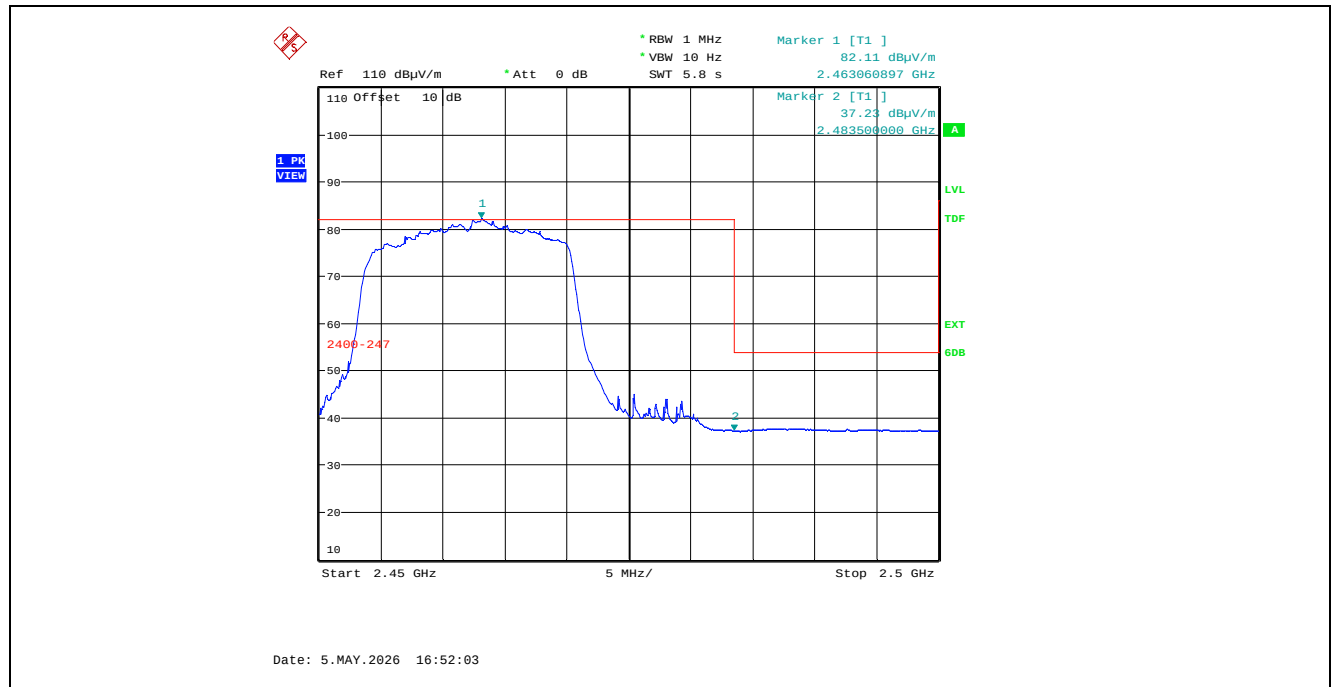
Plot 5.4.4.2.5. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11g, Low End of Frequency Band, 2412 MHz



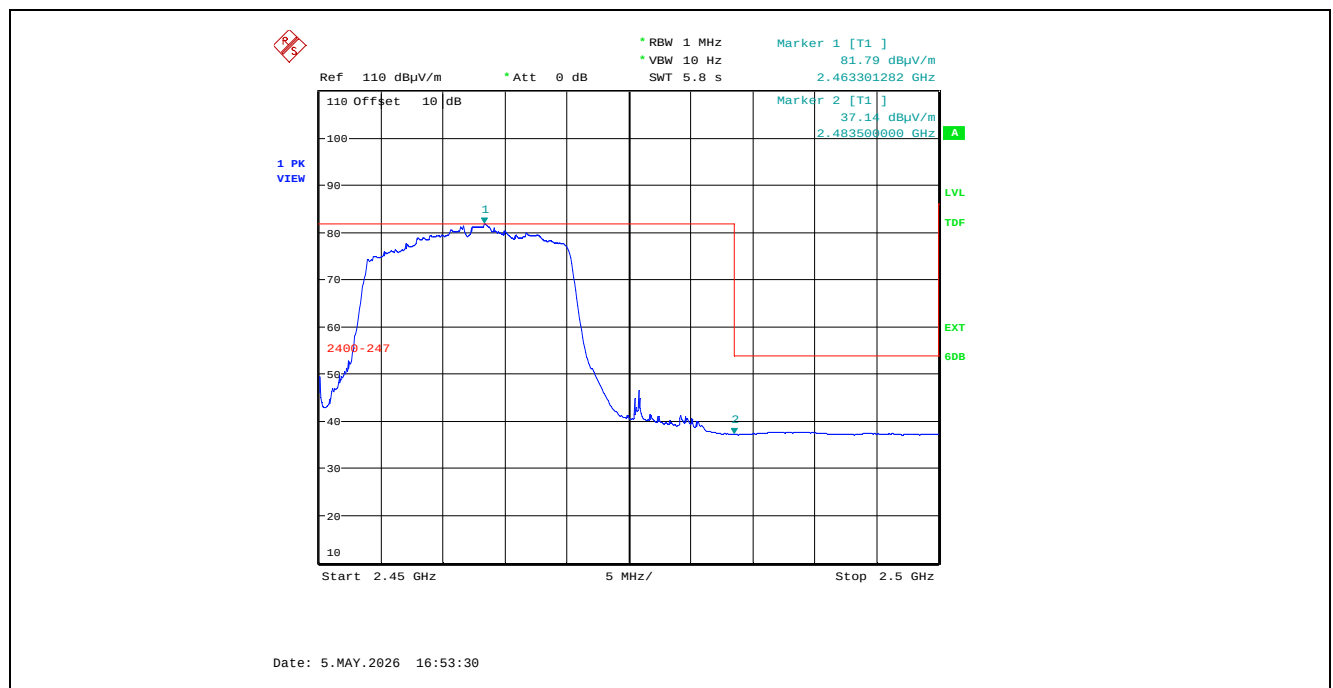
Plot 5.4.4.2.6. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11g, Low End of Frequency Band, 2412 MHz



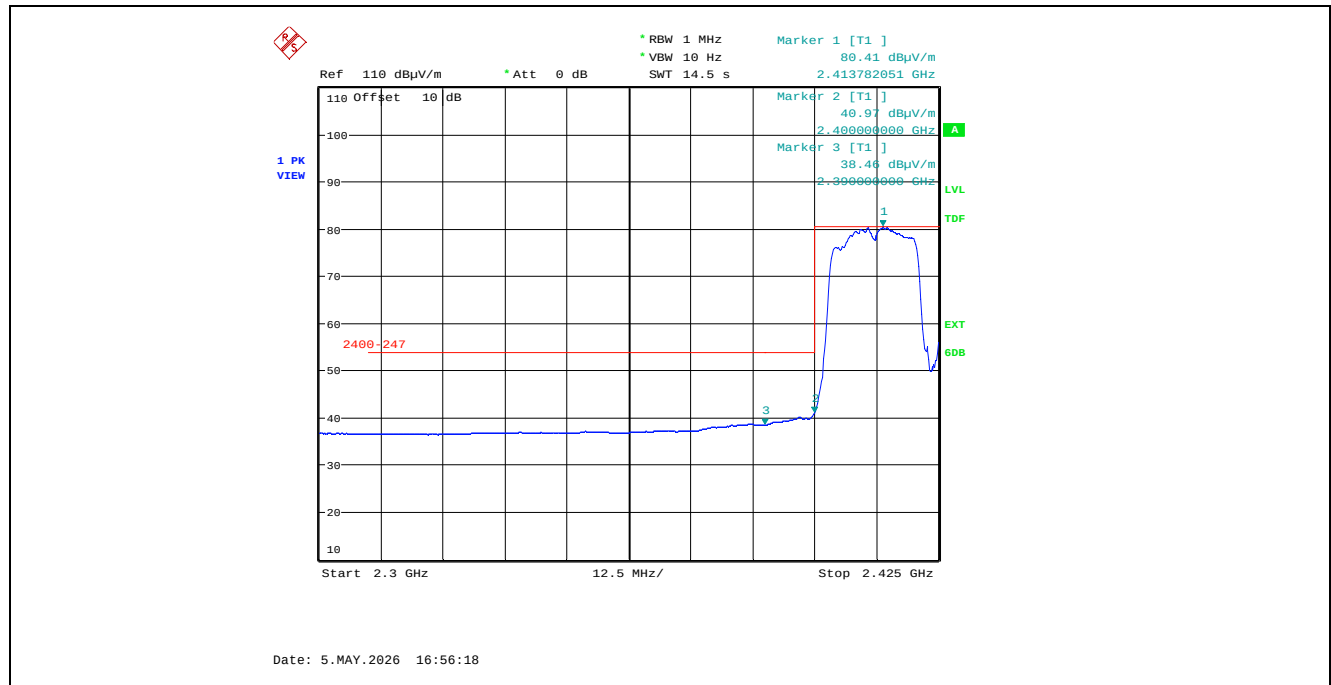
Plot 5.4.4.2.7. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11g, High End of Frequency Band, 2462 MHz



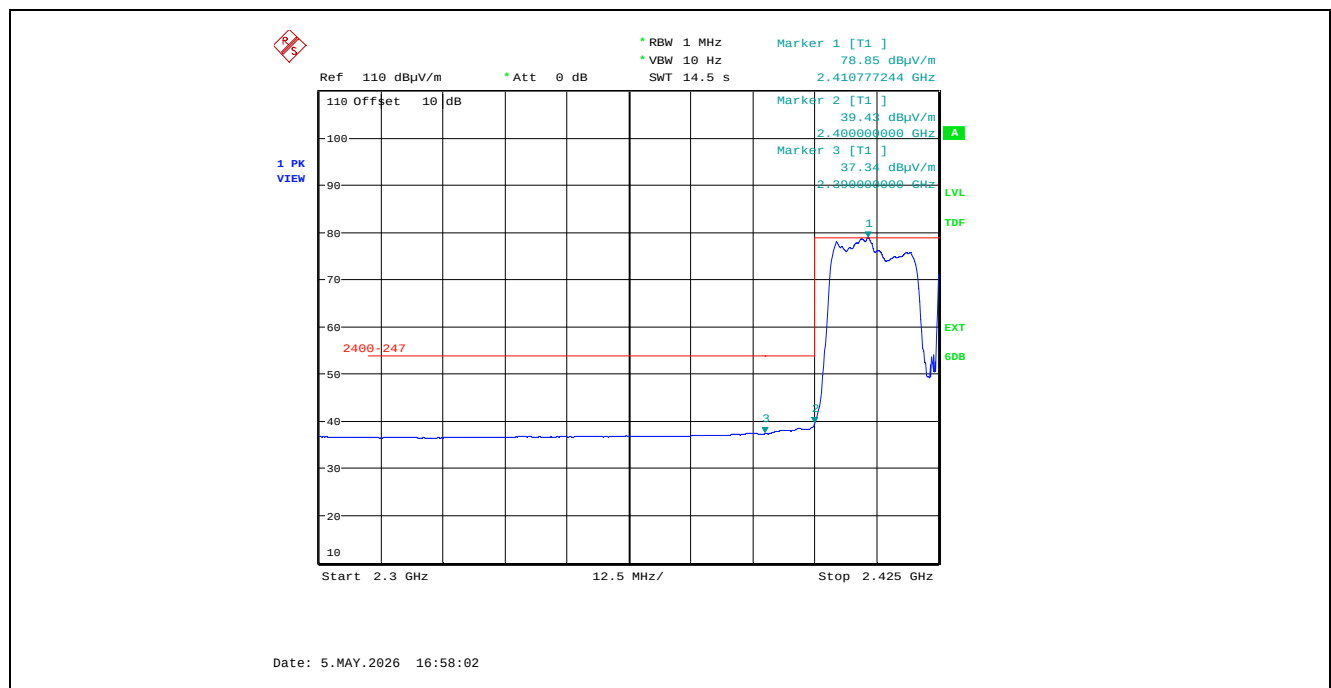
Plot 5.4.4.2.8. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11g, High End of Frequency Band, 2462 MHz



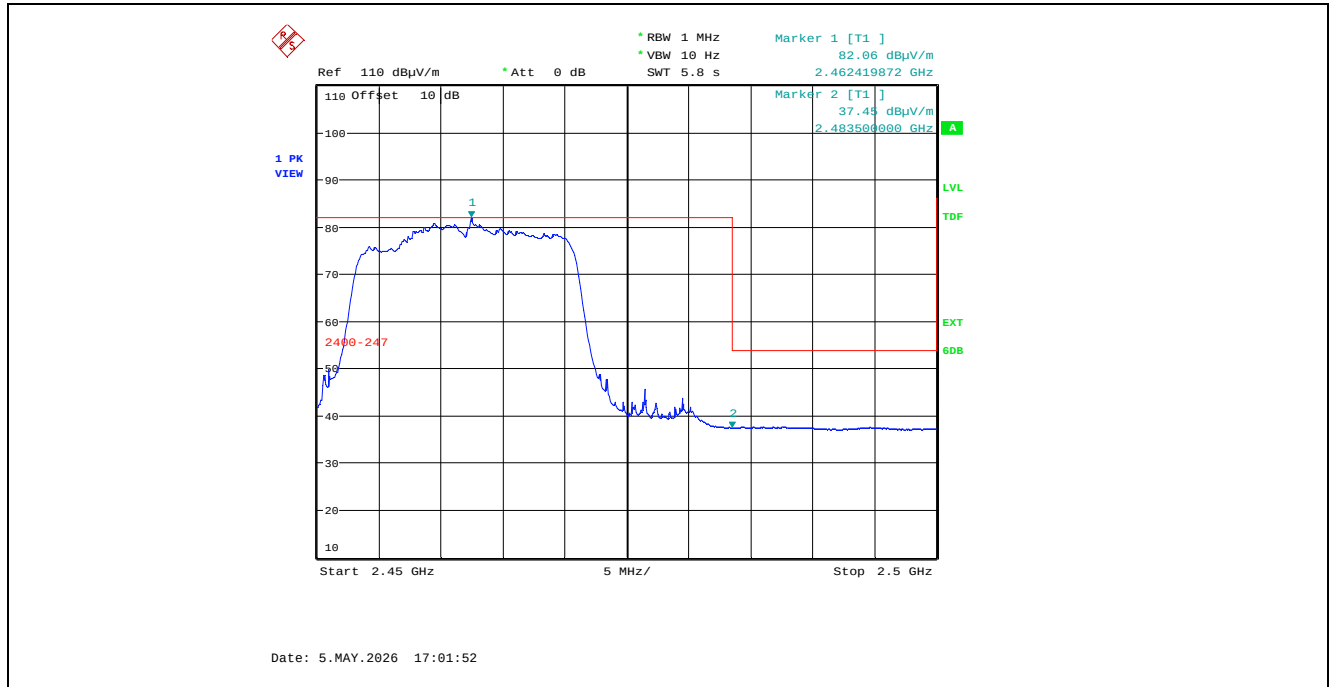
Plot 5.4.4.2.9. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, Low End of Frequency Band, 2412 MHz



Plot 5.4.4.2.10. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, Low End of Frequency Band, 2412 MHz



Plot 5.4.4.2.11. Band-Edge RF Radiated Emissions at 3 m, Vertical Polarization, Average
802.11n HT20, High End of Frequency Band, 2462 MHz



Plot 5.4.4.2.12. Band-Edge RF Radiated Emissions at 3 m, Horizontal Polarization, Average
802.11n HT20, High End of Frequency Band, 2462 MHz

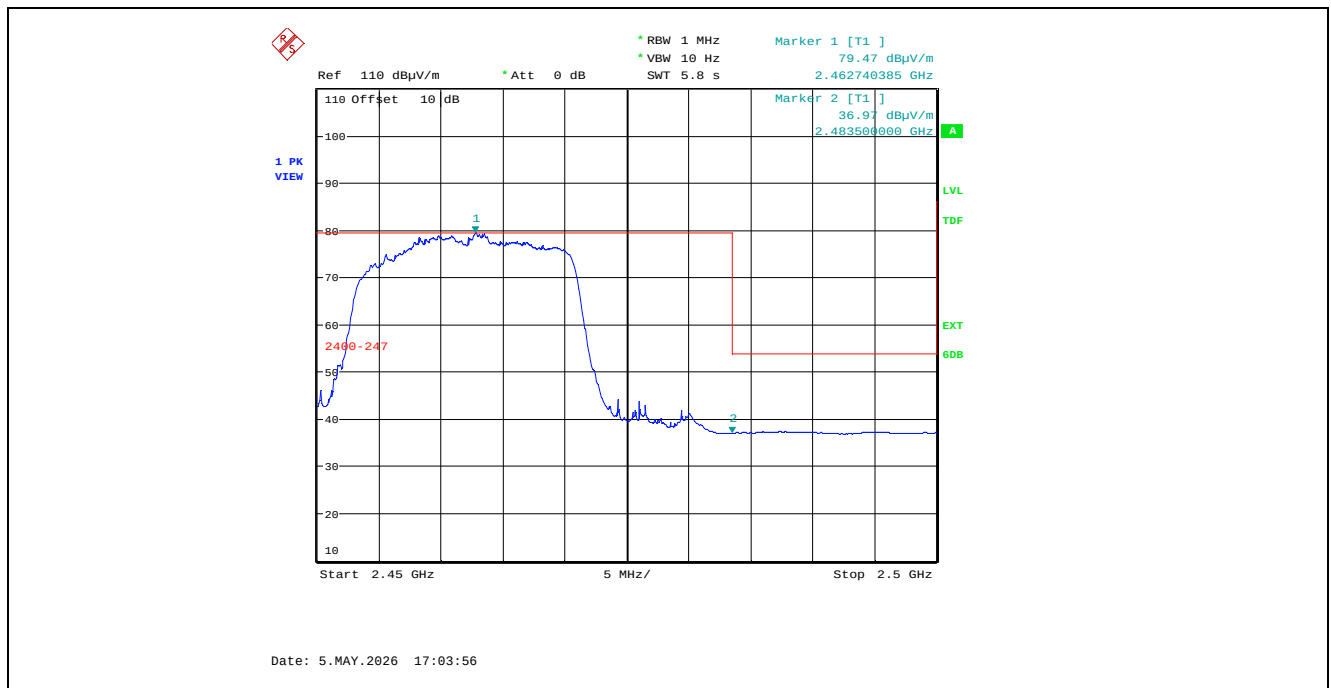


EXHIBIT 6. TEST EQUIPMENT LIST

Test Instruments	Manufacturer	Model No.	Serial No.	Frequency Range	Cal. Due Date
Spectrum Analyzer	Hewlett Packard	8593EM	3710A00223	9 kHz–22 GHz	02 Sep 2026
High Pass filter	Rohde & Schwarz	EZ-25	100064	Cut off 150kHz	29 Oct 2026
LISN	NSLK 8127	NSLK 8127	8127276	9 kHz–30 MHz	22 Dec 2026
Peak Power Analyzer	HP	8991A	3342A00657	05-40GHz	05 Sep 2026
Power Sensor	HP	84814A	3205A00175	0.5-40GHz	05 Sep 2026
Attenuator(10dB)	Pasternack	PE7024-10	3	DC – 26.5GHz	See Note 1
EMI Receiver	Rohde & Schwarz	ESU40	100037	20 Hz - 40 GHz	15 Sep 2026
Spectrum Analyzer	Rohde & Schwarz	FSU26	100398	20Hz–26.5 GHz	26 Sep 2027
Biconilog Antenna	EMCO	3142B	1575	26 - 2000MHz	11 Dec 2026
Horn Antenna	ETS	3115	9701-5955	1 - 18 GHz	18 Feb 2027
Horn Antenna	EMCO	3115	9701-5061	1 - 18 GHz	04 Sep 2026
Horn Antenna	EMCO	3160-09	118385	18 - 26.5 GHz	14 Feb 2027
Preamplifier	Com-Power	PAM-118A	551016	500MHz-18GHz	19-Jan-2027
Pre-Amplifier	Com-Power	PAM-840A	18050002	18 - 40 GHz	16 Jan 2027
Band Reject Filter	Micro-Tronics	BRM50701	105	Stopband 2400 - 2500MHz	See Note 1
High Pass Filter	K&L	11SH10-3000/T18000	4	-	See Note 1
Note 1: Internal Verification/Calibration check					

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EXHIBIT 7. MEASUREMENT UNCERTAINTY

The measurement uncertainties stated were calculated in accordance with the requirements of CISPR 16-4-2 @ IEC:2003 and JCGM 100:2008 (GUM 1995) – Guide to the Expression of Uncertainty in Measurement.

Test Description	Expanded Uncertainty, K=2 for 95% Confidence Level
Power Line Conducted Emissions	± 2.62 dB
Conducted Output Power	± 0.62 dB
Radiated Emissions	± 4.30 dB (30 MHz – 1 GHz)
	± 3.04 dB (1 GHz – 18 GHz)
	± 4.04 dB (18 GHz – 26.5 GHz)
Transmitter Radiated Band-edge Emissions	± 2.76 dB