



TEST REPORT

Test Report No. : UL-RPT-RP16171218JD03B

Applicant* : Apple Inc.

Model No. / HVIN* : A3534

FCC ID* : BCGA3534 **IC*** : 579C-A3534

Technology : WLAN (802.11 b/g/n/ax/be)

Test Standard(s) : FCC Parts 15.35(c), 15.209(a) & 15.247
Innovation, Science and Economic Development Canada
RSS-247 Issue 4 July 2025 & RSS-Gen Issue 5 February 2021

Test Laboratory : UL International (UK) Ltd, Basingstoke, Hampshire, RG24 8AH,
United Kingdom

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3. The sample tested is in compliance with the above standard(s).
4. The test results in this report are traceable to the national or international standards.
5. All information marked with (*) was provided by the Customer, Applicant or Authorised representative
6. Version 2.0 supersedes all previous versions.

Date of Issue: 18 August 2026

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Applicant Information

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Report Revision History

Version Number	Issue Date	Revision Details	Revised By
1.0	09/07/2026	Initial Version	Sarah Williams
2.0	18/08/2026	Address TCB feedback	Sarah Williams

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1 Attestation of Test Results

1.1 Description of EUT

The equipment under test (EUT) was a desktop computer.*

1.2 General Information

Specification Reference:	47CFR15.247
Specification Title:	Code of Federal Regulations Volume 47 (Telecommunication): Part 15 Subpart C (Intentional Radiators) – Section 15.247
Specification Reference:	47CFR15.209
Specification Title:	Code of Federal Regulations Volume 47 (Telecommunications): Part 15 Subpart C (Intentional Radiators) – Section 15.209
Specification Reference:	RSS-247 Issue 4 July 2025
Specification Title:	Digital Transmission Systems, Frequency Hopping Systems and Licence-Exempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands
Specification Reference:	RSS-Gen Issue 5 February 2021
Specification Title:	General Requirements for Compliance of Radio Apparatus
Site Registration:	FCC: 685609, ISEDC: 20903
FCC Lab. Designation No.:	UK2011
ISEDC CABID:	UK0001
Location of Testing:	Units 3 & 4 Horizon, Wade Road, Kingsland Business Park, Basingstoke, Hampshire, RG24 8AH, United Kingdom
Test Dates:	27 March 2026 to 18 August 2026

1.3 Summary of Test Results

FCC Clause (47CFR)	ISED Clause	Transmitter Measurement	Result
Part 15.35(c)	RSS-Gen 8.2	Duty Cycle	Note 1
N/A	RSS-Gen 6.7	99% Occupied Bandwidth	Note 1
Part 15.247(a)(2)	RSS-247 6.3.1(a) / RSS-Gen 6.7	Minimum 6 dB Bandwidth	Complied
Part 15.247(b)(3)	RSS-247 6.3.2 / RSS-Gen 6.12	Maximum Conducted Output Power	Complied
Part 15.247(e)	RSS-247 6.3.1(b)	Power Spectral Density	Complied
Part 15.247(d) & 15.209(a)	RSS-247 6.6 / RSS-Gen 6.13 & 8.9	Radiated Emissions	Complied
Part 15.247(d) & 15.209(a)	RSS-247 6.6 / RSS-Gen 6.13 & 8.10	Band Edge Radiated Emissions	Complied

Note(s):

1. Reporting purposes only.

1.4 Deviations from the Test Specification

For the measurements contained within this test report, there were no deviations from, additions to, or exclusions from the test specification identified above.

2 Summary of Testing

2.1 Facilities and Accreditation

The test site and measurement facilities used to collect data are located at Units 3 & 4 Horizon, Wade Road, Kingsland Business Park, Basingstoke, Hampshire, RG24 8AH, United Kingdom. The following table identifies which facilities were utilised for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

Site 1	X
Site 17	X
Site 32	X
Site 33	X

UL International (UK) Ltd is accredited by the United Kingdom Accreditation Service (UKAS). UKAS is one of the signatories to the International Laboratory Accreditation Co-operation (ILAC) Arrangement for the mutual recognition of test reports. The tests reported herein have been performed in accordance with its terms of accreditation.

2.2 Methods and Procedures

Reference:	ANSI C63.10-2020
Title:	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
Reference:	#ANSI C63.10-2020/Cor1-2023
Title:	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices – Corrigendum 1
Reference:	#ANSI C63.10-2020+C63.10a-2024
Title:	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices – Amendment 1
Reference:	#ANSI C63.10-2020+Errata to C63.10a-2024
Title:	Errata to American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices – Amendment 1

#The use of ANSI C63.10-2020/Cor1-2023 and C63.10a-2024 does not deviate from the testing procedures of ANSI C63.10-2020

2.3 Calibration and Uncertainty

Measuring Instrument Calibration

In accordance with UKAS requirements all the measurement equipment is on a calibration schedule. All equipment was within the calibration period on the date of testing.

Measurement Uncertainty & Decision Rule

Overview

No measurement or test can ever be perfect and the imperfections give rise to error of measurement in the results. Consequently the result of a measurement is only an approximation to the value of the measurand (the specific quantity subject to measurement) and is only complete when accompanied by a statement of the uncertainty of the approximation.

The expression of uncertainty of a measurement result allows realistic comparison of results with reference values and limits given in specifications and standards.

Decision Rule

Measurement system instrumentation shall be used with an accuracy specification meeting the accuracy specification limits according to IEC/IECEE OD-5014.

As applicable, unless specified otherwise in this quotation, the compliance "Decision Rule" is based on Simple Acceptance. If the measured value is on the limit, the result is defined as a pass. For further information regarding risk assessment refer to ILAC G8:09/2019.

Measurement Uncertainty

The reported expanded uncertainties below are based on a standard uncertainty multiplied by an appropriate coverage factor such that a confidence level of approximately 95% is maintained. For the purposes of this document "approximately" is interpreted as meaning "effectively" or "for most practical purposes".

Measurement Type	Range	Confidence Level (%)	Calculated Uncertainty
Duty Cycle	2.4 GHz to 2.4835 GHz	95%	±1.14 %
99% Occupied Bandwidth	2.4 GHz to 2.4835 GHz	95%	±2.41 %
Minimum 6 dB Bandwidth	2.4 GHz to 2.4835 GHz	95%	±3.27 %
Maximum Conducted Output Power	2.4 GHz to 2.4835 GHz	95%	±0.61 dB
Power Spectral Density	2.4 GHz to 2.4835 GHz	95%	±1.25 dB
Radiated Spurious Emissions	9 kHz to 30 MHz	95%	±5.44 dB
Radiated Spurious Emissions	30 MHz to 1 GHz	95%	±4.66 dB
Radiated Spurious Emissions	1 GHz to 25 GHz	95%	±5.06 dB

The methods used to calculate the above uncertainties are in line with those recommended within the various measurement specifications. Where measurement specifications do not include guidelines for the evaluation of measurement uncertainty the published guidance of the appropriate accreditation body is followed.

2.4 Sample Calculation

Where relevant, the following calculations were used:

Antenna Port

- The following equation is used to calculate the duty cycle correction factor:

$$10 \log (1 / (\text{On Time} / [\text{Period or } 100 \text{ ms whichever is the lesser}])))$$

Radiated Emissions

- The recorded emission level was calculated from the level indicated by the measuring receiver, adjusted by a transducer factor (TDF in dB), using the formula:

$$\text{TDF (dB)} = C_{\text{Att}} (\text{dB}) + \text{AF (dB/m)} - P_{\text{Gain}} (\text{dB}) + D_{\text{Cor}} (\text{dB})$$

Where:

C_{Att} : conducted path attenuation (cables + attenuators)

AF: antenna factor

P_{Gain} : external preamplifier gain

D_{Cor} : distance correction factor (where applicable)

- The following equation can be used to calculate the duty cycle correction factor in the time domain:

$$10 \log (1 / (\text{On Time} / [\text{Period or } 100 \text{ ms whichever is the lesser}])))$$

Directional Antenna Gain Calculations for CDD MIMO

For 2Tx CDD modes, in accordance with ANSI C63.10 Section 14.6.3.2.6.b) directional antenna gain was calculated using the formula applicable to equal antenna gains. G_{ANT} was set equal to the gain of the antenna having the highest gain. In accordance with ANSI C63.10 Section 14.6.3.2.6.a) and for $N_{\text{ANT}}=2$:

$$\text{Directional gain} = G_{\text{ANT}} + \text{Array Gain} = G_{\text{ANT}} + 0 \text{ dB} = \text{dBi}$$

Directional Antenna Gain Calculations for SDM MIMO

For 2Tx SDM modes, in accordance with ANSI C63.10 Section 14.6.3.2.4.b), directional gain was calculated as:

$$\text{Directional gain} = 10 \log[(10^{G1/10} + 10^{G2/10}) / N_{\text{ANT}}] = \text{dBi}$$

Directional Antenna Gain Calculations for TxBF

For 2Tx TxBF modes, in accordance with ANSI C63.10 Section 14.6.3.2.4.a), directional gain was calculated as:

$$\text{Directional gain} = 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{\text{ANT}}] = \text{dBi}$$

2.5 Test and Measurement Equipment

Test Equipment Used for Conducted Tests

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
M2042	Thermohygrometer	Testo	608-H1	45124926	18 Dec 2026	12
M231908	Signal Analyser	Keysight	N9020B	MY63430180	10 Oct 2026	12
A237322	Attenuator	Pasternack	PE7013-10	#13	Calibrated before use	-
A237323	Attenuator	Pasternack	PE7013-10	#14	Calibrated before use	-
M2022	Power Sensor	Boonton	RTP5008	9968	19 Sep 2026	12
M2058	Power Sensor	Boonton	RTP5008	10572	11 Sep 2026	12
A231994	Switching Unit	Mini-Circuits	ZT-400	12211020019	Calibrated before use	-
M241601	Network Analyser	Keysight	P5007B	MY61100200	02 Oct 2026	12

Test Measurement Software/Firmware Used for Conducted Tests

Name	Version	Release Date
Phoenix Core	5.0.17	27 April 2026

Test and Measurement Equipment (continued)**Test Equipment Used for Radiated Emissions Tests**

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
M226553	Thermohygrometer	Testo	608-H1	83800731	17 Dec 2026	12
K226203	3m RSE Chamber	Albatross Projects	N/A	N/A	07 Jul 2026	12
M274016	Test Receiver	Rohde & Schwarz	ESW44	103584	17 Dec 2026	12
A3161	Antenna	Teseq	CBL6111D	50859	21 Aug 2026	12
A231567	Pre-Amplifier	RF Bay	LNA-1070	2	07 Jul 2026	12
A227145	Low Pass Filter	AtlanTecRF	Micro-Tronics	LPM21015	07 Jul 2026	12
C227002	RF Cable	Huber + Suhner	SF126EA/11N/11 N/6000mm	520901	07 Jul 2026	12
C226916	RF Cable	Huber + Suhner	SF126EA/11N/11 N/4000mm	520384	07 Jul 2026	12
C226955	RF Cable	Huber + Suhner	SF126EA/11N/11 N/2000	520363/126EA	07 Jul 2026	12
C226942	RF Cable	Huber + Suhner	SF126EA/11N/11 N/800	520358/126EA	07 Jul 2026	12
M226553	Thermohygrometer	Testo	608-H1	83800731	17 Dec 2026	12
K226202	3m RSE Chamber	Albatross Projects	N/A	N/A	07 Jul 2026	12
M227312	Test Receiver	Rohde & Schwarz	ESW44	103203	10 Dec 2026	12
A230567	Pre-Amplifier	Atlantic Microwave	A-HPAKX-380143-K5K5	VJ3601001	07 Jul 2026	12
A231050	Antenna	Schwarzbeck	BBHA 9170	01280	07 Jul 2026	12
C223506	RF Cable	Schwarzbeck	AK 9540-2.0	00035	07 Jul 2026	12
C223502	RF Cable	Schwarzbeck	AK 9540-0.6	00029	07 Jul 2026	12
M2003	Thermohygrometer	Testo	608-H1	45046641	18 Dec 2026	12
K0017	3m RSE Chamber	MVG Industries UK	N/A	N/A	05 Jan 2027	12
M2077	Test Receiver	Rohde & Schwarz	ESW44	102026	29 Apr 2027	12
A264422	Signal Conditioning Unit	Link Microtek	AMUNIT-SCB-UL1	16816	14 Jul 2026	12
A2889	Antenna	Schwarzbeck	BBHA 9120 B	00653	29 Dec 2026	12
A2890	Antenna	Schwarzbeck	HWRD 750	014	29 Dec 2026	12
C1910	RF Cable	Huber + Suhner	SF126EA/11N/11 N/9000	511217	27 Dec 2026	12
C1906	RF Cable	Huber + Suhner	SF126EA/11N/11 N/1300	511211	27 Dec 2026	12
C264432	RF Cable	Link Microtek	B10-07-07-0.5M-001	#1	11 Jul 2026	12
M2040	Thermohygrometer	Testo	608-H1	45124934	18 Dec 2026	12
K0001	3m RSE Chamber	MVG Industries UK	N/A	N/A	16 Oct 2026	12
M236226	Test Receiver	Rohde & Schwarz	ESW26	103134	10 Jun 2027	12
A3165	Magnetic Loop Antenna	ETS Lindgren	6502	00224383	01 Apr 2027	12
C227004	RF Cable	Huber + Suhner	SF126EA/11N/11 N/6000mm	520906	07 Oct 2026	12
C226920	RF Cable	Huber + Suhner	SF126EA/11N/11 N/3000	520389/126EA	07 Oct 2026	12
C267020	RF Cable	Huber + Suhner	SF526EA/11N/11 N/1500mm	3458808001	08 Oct 2026	12
C1902	RF Cable	Huber + Suhner	SF126EA/11N/11 N/3000	5112099 /126EA	08 Oct 2026	12

Note: All test equipment was within its calibration period at the time of test.

Test and Measurement Equipment (continued)**Test Equipment Used for Duty Cycle & Band Edge Radiated Emissions Tests**

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
M226553	Thermohygrometer	Testo	608-H1	83800731	17 Dec 2026	12
K226202	3m RSE Chamber	Albatross Projects	N/A	N/A	07 Jul 2026	12
M227312	Test Receiver	Rohde & Schwarz	ESW44	103203	10 Dec 2026	12
A255973	Signal Conditioning Unit	Link Microtek	AMUNIT-SCB-UL1	16814	14 Apr 2027	12
A255976	Signal Conditioning Unit	Link Microtek	AMUNIT-SCB-UL1	16815	07 Jul 2026	12
A231043	Antenna	Schwarzbeck	BBHA 9120 B	00834	07 Jul 2026	12
C267019	RF Cable	Huber + Suhner	SF526EA/11 N/11/N/7000	3458770004	07 Jul 2026	12
C226956	RF Cable	Huber + Suhner	SF126EA/11 N/11N/2000	520365	07 Jul 2026	12
C256200	RF Cable	Link Microtek	B10-07-07-0.5M-001	#8	07 Jul 2026	12

Test Measurement Software/Firmware Used for Radiated Tests

Name	Version	Release Date
Phoenix Core	5.0.4	18 February 2026
	5.0.9	30 March 2026
Phoenix Radiated	5.1.1	19 February 2026
	5.1.2	19 March 2026

3 Equipment Under Test (EUT)

3.1 Identification of Equipment Under Test (EUT)

Brand Name*:	Apple
Model Name or Number / HVIN*:	A3534
FCC ID*:	BCGA3534
ISED Canada Certification Number*:	579C-A3534

Test Sample Serial Number*:	Hardware Version*:	Software Version*:	Date of Receipt:
Y929QLWGKP <i>(Conducted)</i>	REV 1.0	26A285	23 March 2026
GMWPG7X7HL <i>(Radiated #1)</i>	REV 1.0	26A285	23 March 2026
L5Q6J36Y22 <i>(Radiated #2)</i>	REV 1.0	26A285	23 March 2026
TVF36KG42G <i>(Radiated #3)</i>	REV 1.0	26A285	23 March 2026

3.2 Modifications Incorporated in the EUT

No modifications were applied to the EUT during testing.

3.3 Additional Information Related to Testing

Technology Tested:	WLAN (IEEE 802.11b,g,n,ax,be) / Digital Transmission System
Type of Unit:	Transceiver
Modulation Type:	DBPSK, DQPSK, BPSK, QPSK, 16QAM, 64QAM & 256QAM
Power Supply Requirement(s)*:	12 VDC via 120 VAC 60 Hz AC/DC supply
Maximum Conducted Output Power:	24.96 dBm
Channel Spacing:	20 MHz

Mode*	Data Rates*	CDD*	STBC*	SDM*	TxBF*
802.11b	1, 2, 5.5 & 11 Mbps	No	No	No	No
802.11g	6, 9, 12, 18, 24, 36, 48 & 54 Mbps	Yes	No	No	No
802.11n HT20	MCS0 to MCS7	Yes	Yes	No	No
802.11n HT20	MCS8 to MCS15	No	No	Yes	No
802.11ax HE20	MCS0 to MCS9 SU242, RU 26/52/106/242	Yes	Yes	Yes	Yes [#]
802.11be EHT20	MCS0 to MCS9 SU242, RU 26/52/106/242 MRU 52+26 / 106+26	Yes	Yes	Yes	Yes [#]

[#] SU mode only

Transmit Frequency Range:	2412 MHz to 2472 MHz	
Transmit Channels Tested:	Channel Number	Channel Frequency (MHz)
	1	2412
	6	2437
	11	2462
	12	2467
	13	2472

3.4 Description of Available Antennas

The radio utilizes two integrated antennas, with the following maximum gains:

Frequency (MHz)	Antenna Port	Antenna Gain (dBi)*	Directional Antenna Gain for MIMO CDD Measurements (dBi)	Directional Antenna Gain for MIMO SDM Measurements (dBi)	Directional Antenna Gain for TxBF Measurements (dBi)
2402	Core 0	1.3	1.3	1.25	4.26
2440	Core 0	0.8	1.0	0.90	3.91
2480	Core 0	1.4	1.4	1.35	4.36
2402	Core 1	1.2	1.3	1.25	4.26
2440	Core 1	1.0	1.0	0.90	3.91
2480	Core 1	1.3	1.4	1.35	4.36

The EUT complies with FCC Part 15.203 requirements by using permanently attached antennas with no option for external connections.

3.5 Description of Test Setup

Support Equipment

The following support equipment was used to exercise the EUT during testing:

Customer Supplied*:

Description	Brand Name	Model Name or Number	Serial Number
Test Laptop	Apple	MacBook Pro	LW7R7JYVMV
USB Diagnostic Cable	Apple	Chimp	4398AC
USB Diagnostic Cable	Apple	Chimp	439E2D
Test Laptop	Apple	MacBook Pro	CFQL62C43K
USB Diagnostic Cable	Apple	Chimp	439A10

Laboratory Supplied:

Description	Brand Name	Model Name or Number	Serial Number
USB-C Docking Station.	Lenovo	LDA-KP LDA-KP LDC-G2	D097W7KM29 ZVR03H0D ZKW05W5E
Ethernet Cable. Length 5m.	Not marked or stated	Not marked or stated	Not marked or stated
HDMI Cable. Length 5m.	Not marked or stated	Not marked or stated	Not marked or stated
USB-A Cable. Quantity 4. Length 3m.	Not marked or stated	Not marked or stated	Not marked or stated
USB C-A Adapter. Quantity 4.	Not marked or stated	Not marked or stated	Not marked or stated
Personal Hands Free (PHF)	Not marked or stated	Not marked or stated	Not marked or stated

Operating Modes, Configuration and Peripherals

- Continuously transmitting with a modulated carrier at maximum power on the relevant channels as required using the supported data rates/modulation types.
- For continuous transmit tests the EUT's WLAN radio was controlled directly via a terminal application on the client laptop which has connected to the EUT. The commands used enable continuous transmission mode. The commands also enable selection of test channels, antennas, data rates and modulation schemes as required.
- The customer supplied RF test cable connections to the internal EUT antenna ports in order to perform conducted measurements. The respective path losses were added to the measurements along with the automated test system path losses.
- The EUT was powered from an AC to DC Power Supply. The input was connected to a 120 VAC 60 Hz single phase mains supply.
- The target power of SDM mode is equal to or lower than that of CDD mode. The CDD correlated antenna gain is also higher. CDD mode is therefore reported below representing worst-case testing.
- The output power and PSD for the 802.11ax/be modes were investigated across all different tones, and it was found that the SU mode had the highest output power and RU26 had the highest PSD. After this investigation, antenna port conducted tests were performed on both SU and lowest tones as shown in the table below.

Test Frequency (MHz)	RU Index								MRU Index				
	26			52			106		52 + 26			106 + 26	
	0	4	8	37	38	40	53	54	38 + 1	38 + 4	39 + 7	53 + 4	54 + 4
2412	x	-	-	x	-	-	x	-	x	-	-	x	-
2437	-	x	-	-	x	-	x	-	-	x	-	x	-
2472	-	-	x	-	-	x	-	x	-	-	x	-	x

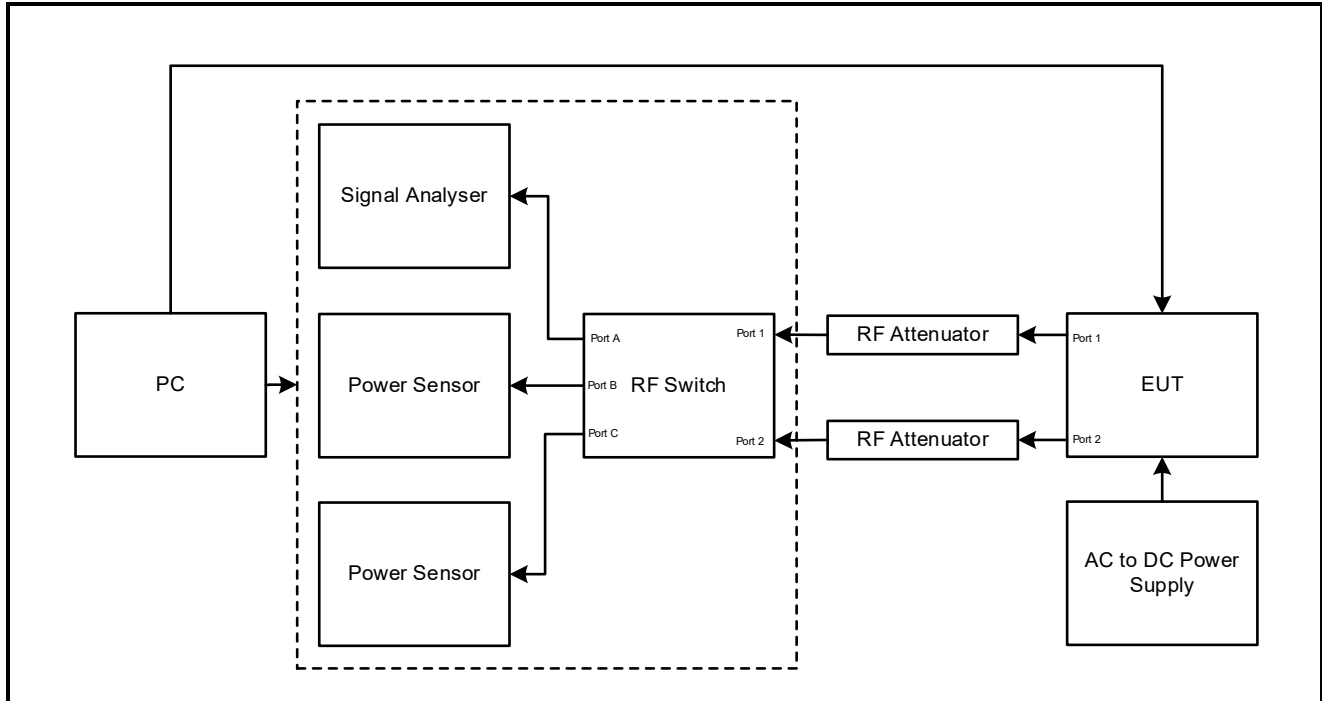
- Conducted testing was performed in 802.11ax SU mode only as it represents 802.11be SU as both modes employ equivalent modulation schemes and identical maximum transmit power settings.
- Radiated emissions tests were conducted with the EUT transmitting in the following modes, as these were identified as producing the highest power and/or power spectral density:
 - 802.11b / 20 MHz / 1 Mbps / SISO / Core 0
 - 802.11n HT20 / MIMO CDD / MCS2 / Core 0 + Core 1
 - 802.11ax HE20 / MIMO CDD / RU 26 / MCS2x1 / Core 0 + Core 1
- Radiated emissions and band edge tests were performed with the EUT in its worst-case orientation with respect to emissions.
- All active ports were terminated using the appropriate terminations during radiated emissions testing.

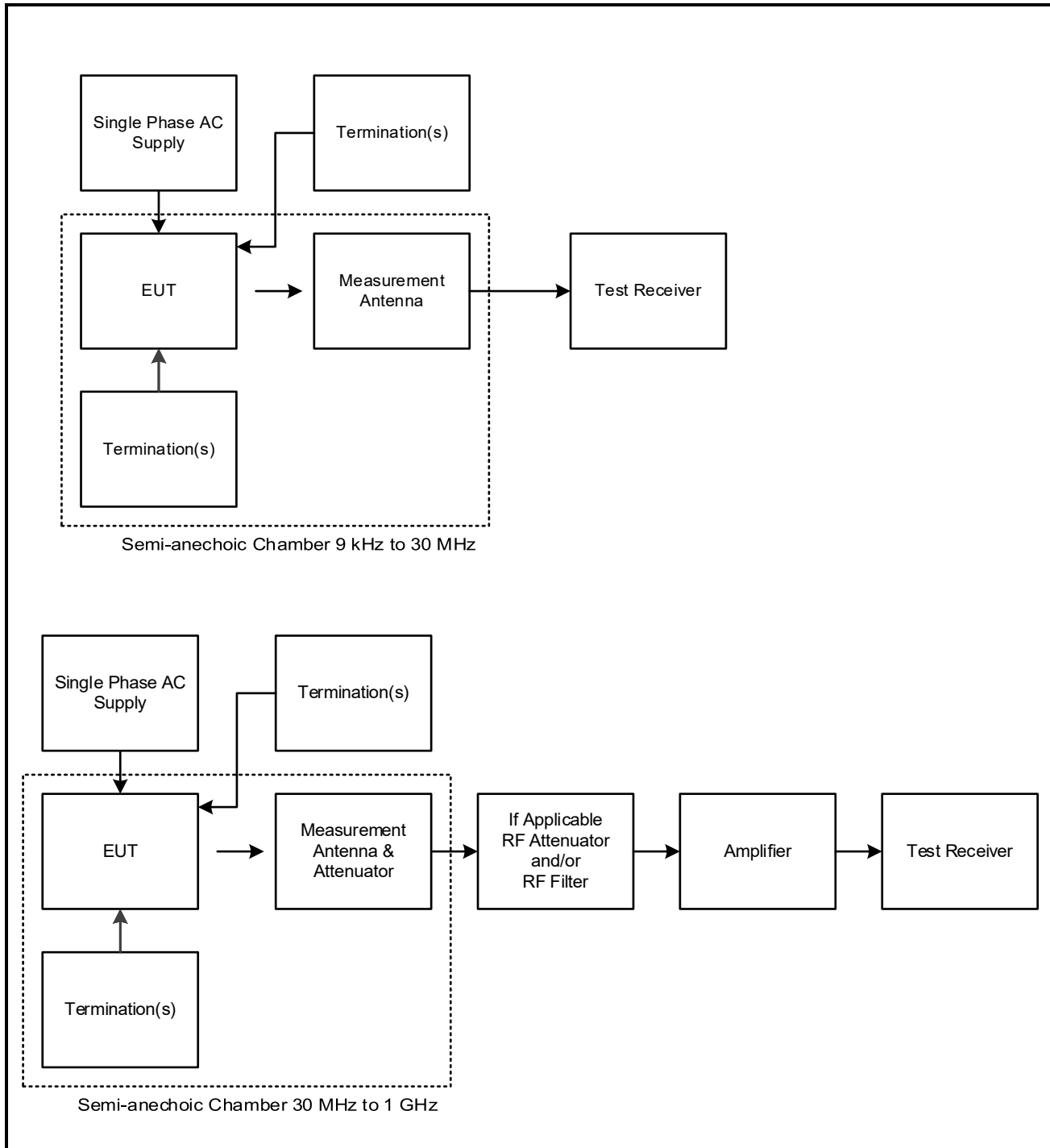
Operating Modes, Configuration and Peripherals (continued)

- Radiated band edge measurements were initially performed on the worst-case data rates declared by the customer for all modes. Section 5.4 includes only the worst-case configuration for each bandwidth and modulation family as shown in the table below:

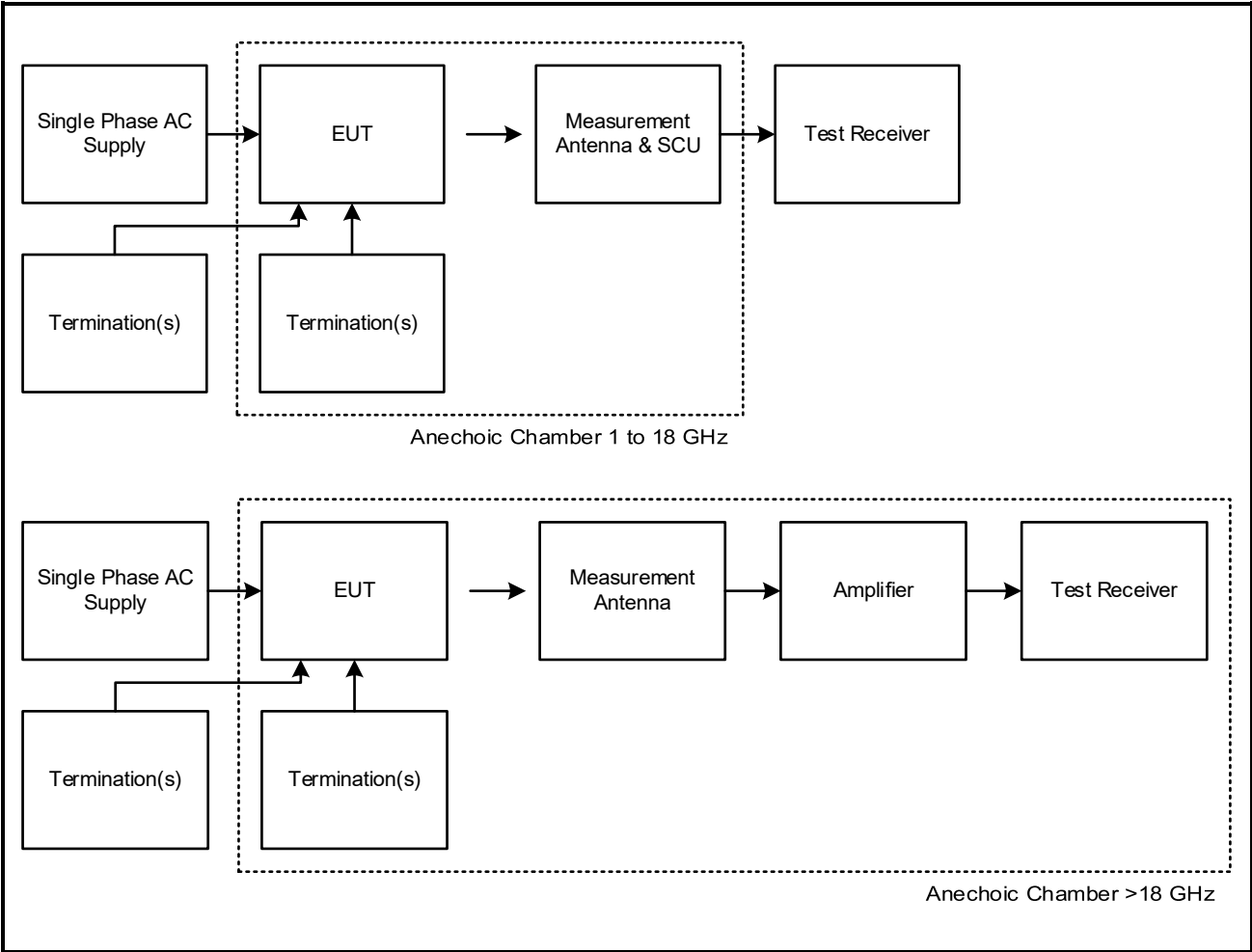
BW (MHz)	Channel	Tx Mode	Core	Mode	Data Rate	RU_Size	RU_Index
20	1	SISO	1	b	1 Mbps	-	-
		SISO	1	g	12 Mbps	-	-
		2Tx CDD	0-1	HE20	MCS2x1	SU	N/A
	11	SISO	1	b	1 Mbps	-	-
		SISO	1	g	12 Mbps	-	-
		2Tx CDD	0-1	HT20	MCS4	-	-
	12	SISO	1	b	1 Mbps	-	-
		SISO	1	HT20	MCS2	-	-
		2Tx CDD	0-1	g	24 Mbps	-	-
	13	SISO	1	b	1 Mbps	-	-
		SISO	1	HE20	MCS4	SU	N/A
		2Tx CDD	0-1	HE20	MCS9x1	SU	N/A

All channels are tuned to the same margin where the lowest or highest channel frequency is not at the highest fundamental output power setting, therefore, the adjacent channel(s) up to the channel that has the highest fundamental output power setting have also been tested to demonstrate compliance with the appropriate limits. Results for channels not listed above are stored on the UL IT server and available for inspection if required.

Test Setup Diagrams**Conducted Tests:****Test Setup for Conducted Tests**

Test Setup Diagrams (continued)**Radiated Tests:****Test Setup for Radiated Emissions**

Test Setup for Radiated Emissions (continued)



4 Antenna Port Test Results

4.1 Duty Cycle

Test Summary:

Test Engineer:	Max Passell	Test Dates:	03 June 2026 to 11 June 2026
Test Sample Serial Number:	Y929QLWGKP		

FCC Clause:	Part 15.35(c)
ISED Canada Clause:	RSS-Gen 8.2
Test Method Used:	ANSI C63.10 Section 11.6

Environmental Conditions:

Temperature (°C):	22 to 24
Relative Humidity (%):	39 to 47

Note(s):

1. The duty cycle was measured using a calibrated power sensor. The power sensor used has a sufficiently short response time to accurately capture the ON and OFF periods of the transmitted signal.
2. The duty cycle is identical for both SISO and MIMO modes, data rates for MIMO not covered by SISO have also been reported.

Results:

Antenna Configuration:	SISO	Mode:	802.11b
Test Port:	1 (Core 0)	Rate/Modulation:	1 Mbps (DBPSK)

Test Frequency (MHz)	Burst Type	Stability	Duty Cycle (%)	Period (ms)	Width (ms)
2437	Burst Tx	< ±2%	99.19	13.027	12.432

Antenna Configuration:	SISO	Mode:	802.11g
Test Port:	1 (Core 0)	Rate/Modulation:	12 Mbps (QPSK)

Test Frequency (MHz)	Burst Type	Stability	Duty Cycle (%)	Period (ms)	Width (ms)
2437	Burst Tx	< ±2%	97.68	1.069	1.044

Duty Cycle (continued)

Antenna Configuration:	SISO	Mode:	802.11n HT20
Test Port:	1 (Core 0)	Rate/Modulation:	MCS2 (QPSK)

Test Frequency (MHz)	Burst Type	Stability	Duty Cycle (%)	Period (ms)	Width (ms)
2437	Burst Tx	< $\pm 2\%$	99.51	5.105	5.080

Antenna Configuration:	MIMO SDM	Mode:	802.11n HT20
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS10 (QPSK)

Test Frequency (MHz)	Burst Type	Stability	Duty Cycle (%)	Period (ms)	Width (ms)
2437	Burst Tx	< $\pm 2\%$	99.54	5.425	5.400

Antenna Configuration:	SISO	Mode:	802.11ax HE20 SU
Test Port:	1 (Core 0)	Rate/Modulation:	MCS2x1 (QPSK)

Test Frequency (MHz)	Burst Type	Stability	Duty Cycle (%)	Period (ms)	Width (ms)
2437	Burst Tx	< $\pm 2\%$	99.52	5.142	5.117

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 SU
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS2x2 (QPSK)

Test Frequency (MHz)	Burst Type	Stability	Duty Cycle (%)	Period (ms)	Width (ms)
2437	Burst Tx	< $\pm 2\%$	99.54	5.403	5.378

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU26
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Burst Type	Stability	Duty Cycle (%)	Period (ms)	Width (ms)
2437	Burst Tx	< $\pm 2\%$	99.29	5.398	5.360

Duty Cycle (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU52
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Burst Type	Stability	Duty Cycle (%)	Period (ms)	Width (ms)
2437	Burst Tx	< $\pm 2\%$	99.29	5.398	5.360

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU106
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Burst Type	Stability	Duty Cycle (%)	Period (ms)	Width (ms)
2437	Burst Tx	< $\pm 2\%$	99.29	5.398	5.360

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 1 52+26
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Burst Type	Stability	Duty Cycle (%)	Period (ms)	Width (ms)
2437	Burst Tx	< $\pm 2\%$	98.15	2.067	2.028

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 106+26
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Burst Type	Stability	Duty Cycle (%)	Period (ms)	Width (ms)
2437	Burst Tx	< $\pm 2\%$	98.15	2.067	2.028

4.2 Minimum 6 dB & 99% Bandwidth

Test Summary:

Test Engineers:	Max Passell & Jerome Moyo	Test Dates:	03 June 2026 to 12 August 2026
Test Sample Serial Number:	Y929QLWGKP		

99% OBW:

FCC Clause:	N/A
ISED Canada Clause:	RSS-Gen 6.7
Test Method Used:	ANSI C63.10 Section 6.9.3

6 dB BW:

FCC Clause:	15.247 (a)(2)
ISED Canada Clause:	RSS-247 6.3.1(a) / RSS-Gen 6.7
Test Method Used:	ANSI C63.10 Section 11.8.1

Environmental Conditions:

Temperature (°C):	22 to 27
Relative Humidity (%):	38 to 47

Note(s):

1. OBW: The transmitter output is connected to a signal analyser. The RBW is set in the range of 1% to 5% of the 99% OBW. The VBW is set to $\geq 3 \times \text{RBW}$. The sweep time is coupled. The 99% emission bandwidth was calculated by the test system using the raw trace data from the signal analyser.
2. 6 dB BW: The transmitter output is connected to a signal analyser. The RBW is set in the range of 1% to 5% of the 6 dB BW. The VBW is set to $\geq 3 \times \text{RBW}$. A peak detector was used, sweep time was set to auto and the trace mode was Max Hold. The bandwidth was measured at 6 dB down from the peak of the signal.
3. The analyser plot contains both marker sets used for the occupied bandwidth evaluation. Markers 1 & 2 define the 99% Occupied Bandwidth, and markers 3 & 4 define the 6 dB bandwidth. Since the instrument displays only one active marker delta measurement, the value shown on the plot is associated with the 6 dB bandwidth only. The 99% Occupied Bandwidth result is calculated from the raw trace data and subsequently identified between markers 1 & 2 as documented in the test results tables below.
4. Example plots of each modulation on the worst-case channel, for one antenna configuration, can be seen below to show setting parameters comply with testing method/procedure. All other plots are archived on the UL IT server and available for inspection if required.

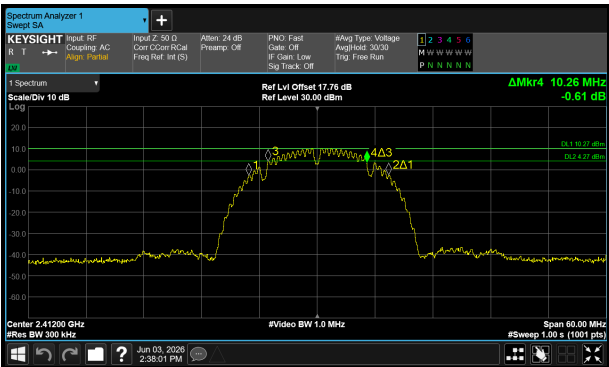
Minimum 6 dB & 99% Bandwidth (continued)

Results: SISO / Core 0

Antenna Configuration:	SISO	Mode:	802.11b
Test Port:	1 (Core 0)	Rate/Modulation:	1 Mbps (DBPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	14.520	-	-	-	-
2437	14.520	-	-	-	-
2472	14.700	-	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	10.260	-	-	-	≥500
2437	10.320	-	-	-	≥500
2472	10.320	-	-	-	≥500

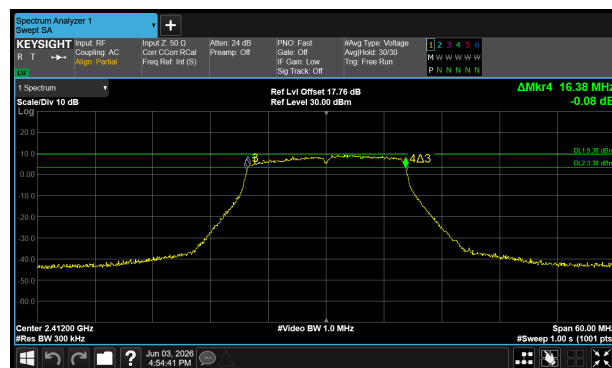


Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	SISO	Mode:	802.11g
Test Port:	1 (Core 0)	Rate/Modulation:	12 Mbps (QPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	16.560	-	-	-	-
2437	16.620	-	-	-	-
2472	16.560	-	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	16.380	-	-	-	≥500
2437	16.560	-	-	-	≥500
2472	16.560	-	-	-	≥500

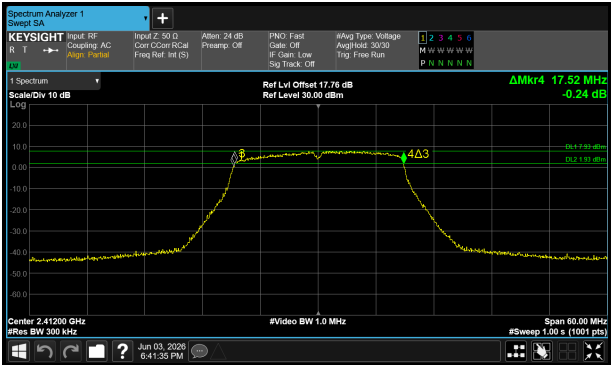


Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	SISO	Mode:	802.11n HT20
Test Port:	1 (Core 0)	Rate/Modulation:	MCS2 (QPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	17.640	-	-	-	-
2437	17.700	-	-	-	-
2472	17.760	-	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	17.520	-	-	-	≥500
2437	17.580	-	-	-	≥500
2472	17.760	-	-	-	≥500

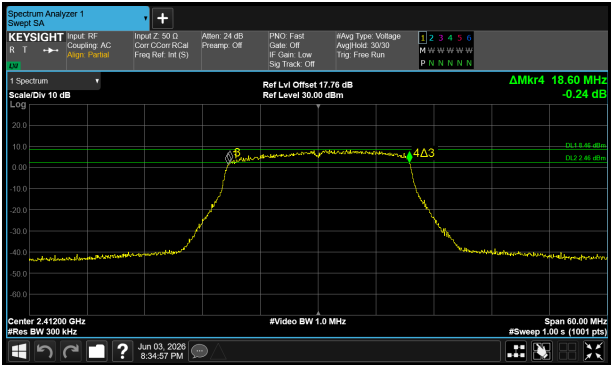


Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 SU
Test Port:	1 (Core 0)	Rate/Modulation:	MCS2x1 (QPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.840	-	-	-	-
2437	18.900	-	-	-	-
2472	19.020	-	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.600	-	-	-	≥500
2437	18.900	-	-	-	≥500
2472	19.080	-	-	-	≥500

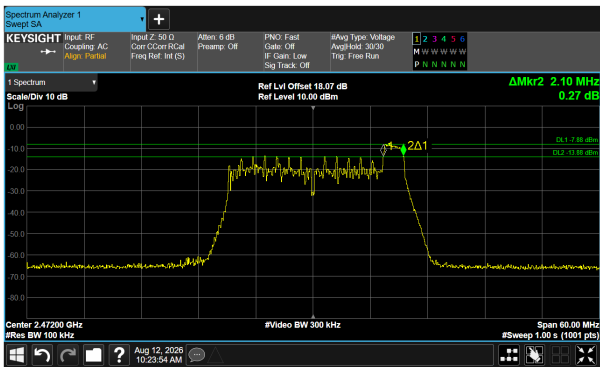
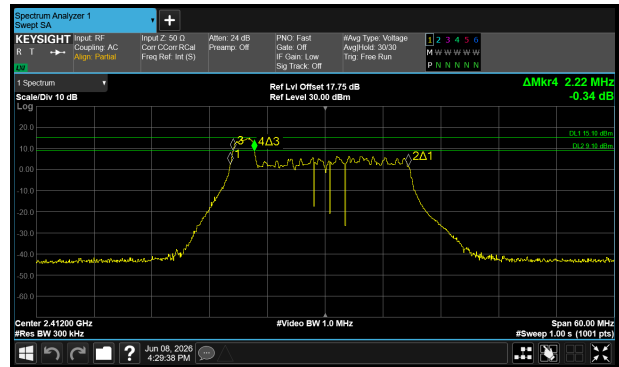


Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU26
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.480	-	-	-	-
2437	16.440	-	-	-	-
2472	18.480	-	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	2.160	-	-	-	≥500
2437	2.700	-	-	-	≥500
2472	2.100	-	-	-	≥500

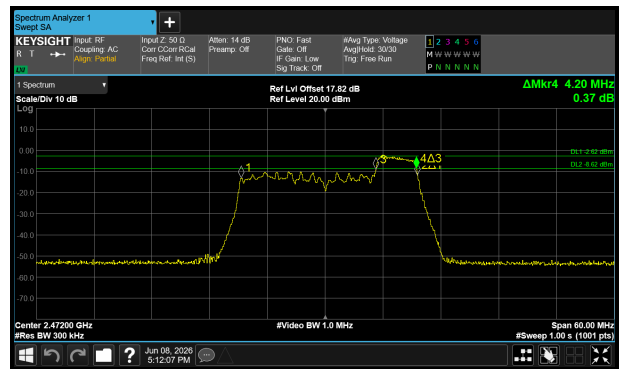


Minimum 6 dB & 99% Bandwidth (continued)

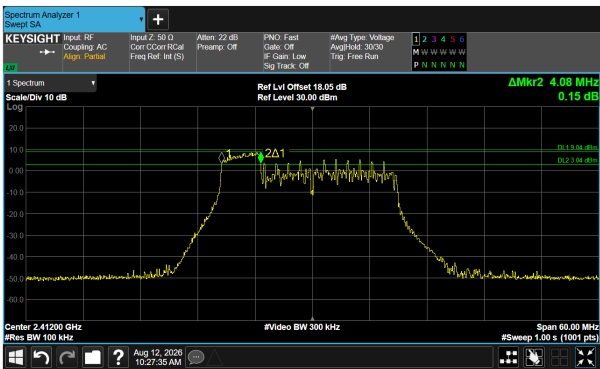
Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU52
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.300	-	-	-	-
2437	16.560	-	-	-	-
2472	18.300	-	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	4.080	-	-	-	≥500
2437	4.140	-	-	-	≥500
2472	4.080	-	-	-	≥500



99%



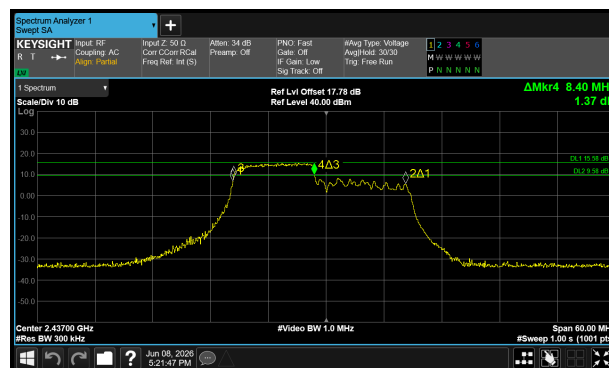
6 dB

Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU106
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.120	-	-	-	-
2437	17.940	-	-	-	-
2472	18.180	-	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	13.380	-	-	-	≥500
2437	8.400	-	-	-	≥500
2472	13.380	-	-	-	≥500

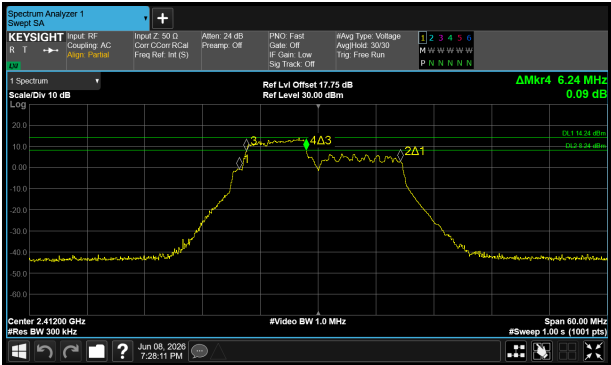


Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 52+26
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	16.740	-	-	-	-
2437	16.500	-	-	-	-
2472	17.040	-	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	6.240	-	-	-	≥500
2437	6.840	-	-	-	≥500
2472	6.420	-	-	-	≥500

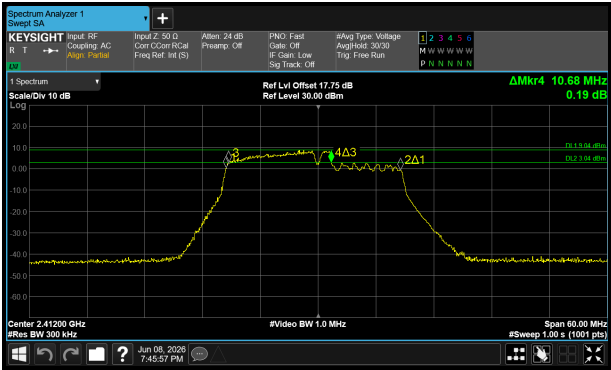


Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 106+26
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.120	-	-	-	-
2437	17.820	-	-	-	-
2472	18.060	-	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	10.680	-	-	-	≥500
2437	10.980	-	-	-	≥500
2472	13.260	-	-	-	≥500



Minimum 6 dB & 99% Bandwidth (continued)**Results: SISO / Core 1**

Antenna Configuration:	SISO	Mode:	802.11b
Test Port:	2 (Core 1)	Rate/Modulation:	1 Mbps (DBPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	14.520	-	-	-
2437	-	14.580	-	-	-
2472	-	14.640	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	9.840	-	-	≥500
2437	-	10.320	-	-	≥500
2472	-	10.320	-	-	≥500

Antenna Configuration:	SISO	Mode:	802.11g
Test Port:	2 (Core 1)	Rate/Modulation:	12 Mbps (QPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	16.500	-	-	-
2437	-	16.680	-	-	-
2472	-	16.560	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	16.320	-	-	≥500
2437	-	16.380	-	-	≥500
2472	-	16.560	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	SISO	Mode:	802.11n HT20
Test Port:	2 (Core 1)	Rate/Modulation:	MCS2 (QPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	17.700	-	-	-
2437	-	17.700	-	-	-
2472	-	17.760	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	17.400	-	-	≥500
2437	-	17.520	-	-	≥500
2472	-	17.760	-	-	≥500

Antenna Configuration:	SISO	Mode:	802.11ax HE20 SU
Test Port:	2 (Core 1)	Rate/Modulation:	MCS2x1 (QPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	18.900	-	-	-
2437	-	18.900	-	-	-
2472	-	19.020	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	18.600	-	-	≥500
2437	-	18.480	-	-	≥500
2472	-	19.020	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU26
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	18.480	-	-	-
2437	-	16.560	-	-	-
2472	-	18.480	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	2.100	-	-	≥500
2437	-	2.700	-	-	≥500
2472	-	2.160	-	-	≥500

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU52
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	18.360	-	-	-
2437	-	16.620	-	-	-
2472	-	18.300	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	4.020	-	-	≥500
2437	-	4.140	-	-	≥500
2472	-	4.080	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU106
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	18.120	-	-	-
2437	-	17.940	-	-	-
2472	-	18.180	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	8.220	-	-	≥500
2437	-	8.340	-	-	≥500
2472	-	8.340	-	-	≥500

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 52+26
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	16.740	-	-	-
2437	-	16.500	-	-	-
2472	-	17.040	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	6.240	-	-	≥500
2437	-	6.840	-	-	≥500
2472	-	6.360	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 106+26
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	18.060	-	-	-
2437	-	17.820	-	-	-
2472	-	18.060	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	-	14.340	-	-	≥500
2437	-	10.860	-	-	≥500
2472	-	15.840	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)**Results: MIMO CDD**

Antenna Configuration:	MIMO CDD	Mode:	802.11g
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	12 Mbps (QPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	16.500	16.500	-	-	-
2437	16.680	16.740	-	-	-
2472	16.560	16.560	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	16.260	16.260	-	-	≥500
2437	16.500	16.500	-	-	≥500
2472	16.560	16.560	-	-	≥500

Antenna Configuration:	MIMO CDD	Mode:	802.11n HT20
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS2 (QPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	17.640	17.580	-	-	-
2437	17.760	17.820	-	-	-
2472	17.700	17.760	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	17.520	17.340	-	-	≥500
2437	17.640	17.700	-	-	≥500
2472	17.760	17.760	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	MIMO CDD	Mode:	802.11ax HE20 SU
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS2x1 (QPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.840	18.840	-	-	-
2437	18.960	18.900	-	-	-
2472	19.020	19.080	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.660	18.180	-	-	≥500
2437	18.840	18.720	-	-	≥500
2472	19.140	19.140	-	-	≥500

Antenna Configuration:	MIMO CDD	Mode:	802.11ax HE20 RU26
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.480	18.480	-	-	-
2437	16.440	16.500	-	-	-
2472	18.480	18.480	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	2.160	2.160	-	-	≥500
2437	2.700	2.700	-	-	≥500
2472	2.160	2.100	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	MIMO CDD	Mode:	802.11ax HE20 RU52
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.240	18.240	-	-	-
2437	16.680	16.620	-	-	-
2472	18.240	18.300	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	4.140	4.080	-	-	≥500
2437	4.140	4.200	-	-	≥500
2472	4.080	4.140	-	-	≥500

Antenna Configuration:	MIMO CDD	Mode:	802.11ax HE20 RU106
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.060	18.060	-	-	-
2437	17.940	17.940	-	-	-
2472	18.180	18.180	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	8.160	14.520	-	-	≥500
2437	8.400	8.340	-	-	≥500
2472	8.400	8.340	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	MIMO CDD	Mode:	802.11be EHT20 MRU 52+26
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	16.680	16.500	-	-	-
2437	16.560	16.440	-	-	-
2472	16.980	16.980	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	6.240	6.240	-	-	≥500
2437	6.840	6.840	-	-	≥500
2472	6.420	6.420	-	-	≥500

Antenna Configuration:	MIMO CDD	Mode:	802.11be EHT20 MRU 106+26
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	17.940	17.880	-	-	-
2437	17.880	17.760	-	-	-
2472	18.060	18.060	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	10.200	16.920	-	-	≥500
2437	10.800	10.860	-	-	≥500
2472	13.260	13.260	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)**Results: MIMO SDM**

Antenna Configuration:	MIMO SDM	Mode:	802.11n HT20
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS10 (QPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	17.640	17.580	-	-	-
2437	17.820	17.880	-	-	-
2472	17.700	17.760	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	17.340	17.280	-	-	≥500
2437	17.640	17.520	-	-	≥500
2472	17.760	17.760	-	-	≥500

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 SU
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS2x2 (QPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.840	18.780	-	-	-
2437	18.960	19.020	-	-	-
2472	19.020	18.960	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.480	18.000	-	-	≥500
2437	18.840	18.900	-	-	≥500
2472	19.140	19.080	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 RU26
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.420	18.480	-	-	-
2437	16.440	16.440	-	-	-
2472	18.360	18.480	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	2.220	2.100	-	-	≥500
2437	2.700	2.700	-	-	≥500
2472	2.100	2.100	-	-	≥500

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 RU52
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.240	18.240	-	-	-
2437	16.620	16.620	-	-	-
2472	18.240	18.360	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	4.080	4.140	-	-	≥500
2437	4.140	4.200	-	-	≥500
2472	4.140	4.080	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 RU106
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.060	18.060	-	-	-
2437	18.000	17.940	-	-	-
2472	18.180	18.180	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	8.160	14.460	-	-	≥500
2437	8.400	8.340	-	-	≥500
2472	8.340	8.280	-	-	≥500

Antenna Configuration:	MIMO SDM	Mode:	802.11be EHT20 MRU 52+26
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	16.680	16.500	-	-	-
2437	16.560	16.440	-	-	-
2472	16.980	16.980	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	6.240	12.660	-	-	≥500
2437	6.840	6.840	-	-	≥500
2472	6.420	6.360	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)

Antenna Configuration:	MIMO SDM	Mode:	802.11be EHT20 MRU 106+26
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	17.940	17.880	-	-	-
2437	17.940	17.760	-	-	-
2472	18.000	18.060	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	10.500	16.500	-	-	≥500
2437	10.860	10.860	-	-	≥500
2472	10.920	10.800	-	-	≥500

Minimum 6 dB & 99% Bandwidth (continued)**Results: TxBF**

Antenna Configuration:	TxBF	Mode:	802.11ax HE20 SU
Test Port:	1+2 (Core 0 + Core 1)	Rate/Modulation:	MCS2x1 (QPSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.780	18.840	-	-	-
2437	18.900	18.960	-	-	-
2472	18.960	19.020	-	-	-

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2412	18.480	18.480	-	-	≥500
2437	18.780	18.420	-	-	≥500
2472	19.080	19.080	-	-	≥500

4.3 Maximum Conducted Output Power

Test Summary:

Test Engineer:	Max Passell	Test Dates:	03 June 2026 to 11 June 2026
Test Sample Serial Number:	Y929QLWGKP		

FCC Clause:	15.247 (b)(3)
ISED Canada Clause:	RSS-247 6.3.2
Test Method Used:	ANSI C63.10 Section 11.9.2.3.2

Environmental Conditions:

Temperature (°C):	22 to 24
Relative Humidity (%):	39 to 47

Note(s):

1. The maximum antenna gain is less than or equal to 6 dBi.
2. For MIMO modes, conducted power was measured on all ports and then combined using the measure-and-sum technique stated in ANSI C63.10 Section 14.5.1. For EIRP, the directional antenna gain was added to the conducted output power.

Maximum Conducted Output Power (continued)**Results: SISO / Core 0**

Antenna Configuration:	SISO	Mode:	802.11b
Test Port:	1 (Core 0)	Rate/Modulation:	1 Mbps (DBPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	18.82	-	-	-	-	30.00	11.18	1.30	20.12	36.00	15.88
2437	20.27	-	-	-	-	30.00	9.73	0.80	21.07	36.00	14.93
2472	11.94	-	-	-	-	30.00	18.06	1.40	13.34	36.00	22.66

Antenna Configuration:	SISO	Mode:	802.11g
Test Port:	1 (Core 0)	Rate/Modulation:	12 Mbps (QPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	16.46	-	-	-	-	30.00	13.54	1.30	17.76	36.00	18.24
2437	21.93	-	-	-	-	30.00	8.07	0.80	22.73	36.00	13.27
2472	7.27	-	-	-	-	30.00	22.73	1.40	8.67	36.00	27.33

Antenna Configuration:	SISO	Mode:	802.11n HT20
Test Port:	1 (Core 0)	Rate/Modulation:	MCS2 (QPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	15.36	-	-	-	-	30.00	14.64	1.30	16.66	36.00	19.34
2437	21.58	-	-	-	-	30.00	8.42	0.80	22.38	36.00	13.62
2472	7.25	-	-	-	-	30.00	22.75	1.40	8.65	36.00	27.35

Maximum Conducted Output Power (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 SU
Test Port:	1 (Core 0)	Rate/Modulation:	MCS2x1 (QPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	14.82	-	-	-	-	30.00	15.18	1.30	16.12	36.00	19.88
2437	21.83	-	-	-	-	30.00	8.17	0.80	22.63	36.00	13.37
2472	6.41	-	-	-	-	30.00	23.59	1.40	7.81	36.00	28.19

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU26
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	12.86	-	-	-	-	30.00	17.14	1.30	14.16	36.00	21.84
2437	12.94	-	-	-	-	30.00	17.06	0.80	13.74	36.00	22.26
2472	-2.85	-	-	-	-	30.00	32.85	1.40	-1.45	36.00	37.45

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU52
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	15.78	-	-	-	-	30.00	14.22	1.30	17.08	36.00	18.92
2437	15.86	-	-	-	-	30.00	14.14	0.80	16.66	36.00	19.34
2472	-1.95	-	-	-	-	30.00	31.95	1.40	-0.55	36.00	36.55

Maximum Conducted Output Power (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU106
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	15.79	-	-	-	-	30.00	14.21	1.30	17.09	36.00	18.91
2437	18.83	-	-	-	-	30.00	11.17	0.80	19.63	36.00	16.37
2472	-0.80	-	-	-	-	30.00	30.80	1.40	0.60	36.00	35.40

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 52+26
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	15.53	-	-	-	-	30.00	14.47	1.30	16.83	36.00	19.17
2437	17.34	-	-	-	-	30.00	12.66	0.80	18.14	36.00	17.86
2472	-0.98	-	-	-	-	30.00	30.98	1.40	0.42	36.00	35.58

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 106+26
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	12.02	-	-	-	-	30.00	17.98	1.30	13.32	36.00	22.68
2437	19.43	-	-	-	-	30.00	10.57	0.80	20.23	36.00	15.77
2472	-0.61	-	-	-	-	30.00	30.61	1.40	0.79	36.00	35.21

Maximum Conducted Output Power (continued)**Results: SISO / Core 1**

Antenna Configuration:	SISO	Mode:	802.11b
Test Port:	2 (Core 1)	Rate/Modulation:	1 Mbps (DBPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	-	18.94	-	-	-	30.00	11.06	1.20	20.14	36.00	15.86
2437	-	20.43	-	-	-	30.00	9.57	1.00	21.43	36.00	14.57
2472	-	11.80	-	-	-	30.00	18.20	1.30	13.10	36.00	22.90

Antenna Configuration:	SISO	Mode:	802.11g
Test Port:	2 (Core 1)	Rate/Modulation:	12 Mbps (QPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	-	16.64	-	-	-	30.00	13.36	1.20	17.84	36.00	18.16
2437	-	21.83	-	-	-	30.00	8.17	1.00	22.83	36.00	13.17
2472	-	7.39	-	-	-	30.00	22.61	1.30	8.69	36.00	27.31

Antenna Configuration:	SISO	Mode:	802.11n HT20
Test Port:	2 (Core 1)	Rate/Modulation:	MCS2 (QPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	-	15.31	-	-	-	30.00	14.69	1.20	16.51	36.00	19.49
2437	-	21.73	-	-	-	30.00	8.27	1.00	22.73	36.00	13.27
2472	-	7.35	-	-	-	30.00	22.65	1.30	8.65	36.00	27.35

Maximum Conducted Output Power (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 SU
Test Port:	2 (Core 1)	Rate/Modulation:	MCS2x1 (QPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	-	14.76	-	-	-	30.00	15.24	1.20	15.96	36.00	20.04
2437	-	21.91	-	-	-	30.00	8.09	1.00	22.91	36.00	13.09
2472	-	6.46	-	-	-	30.00	23.54	1.30	7.76	36.00	28.24

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU26
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	-	12.64	-	-	-	30.00	17.36	1.20	13.84	36.00	22.16
2437	-	12.84	-	-	-	30.00	17.16	1.00	13.84	36.00	22.16
2472	-	-2.53	-	-	-	30.00	32.53	1.30	-1.23	36.00	37.23

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU52
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	-	15.92	-	-	-	30.00	14.08	1.20	17.12	36.00	18.88
2437	-	15.92	-	-	-	30.00	14.08	1.00	16.92	36.00	19.08
2472	-	-1.89	-	-	-	30.00	31.89	1.30	-0.59	36.00	36.59

Maximum Conducted Output Power (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU106
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	-	15.68	-	-	-	30.00	14.32	1.20	16.88	36.00	19.12
2437	-	18.97	-	-	-	30.00	11.03	1.00	19.97	36.00	16.03
2472	-	-0.80	-	-	-	30.00	30.80	1.30	0.50	36.00	35.50

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 52+26
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	-	15.79	-	-	-	30.00	14.21	1.20	16.99	36.00	19.01
2437	-	17.49	-	-	-	30.00	12.51	1.00	18.49	36.00	17.51
2472	-	-1.84	-	-	-	30.00	31.84	1.30	-0.54	36.00	36.54

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 106+26
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	-	12.28	-	-	-	30.00	17.72	1.20	13.48	36.00	22.52
2437	-	19.10	-	-	-	30.00	10.90	1.00	20.10	36.00	15.90
2472	-	-0.92	-	-	-	30.00	30.92	1.30	0.38	36.00	35.62

Maximum Conducted Output Power (continued)**Results: MIMO CDD**

Antenna Configuration:	MIMO CDD	Mode:	802.11g
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	12 Mbps (QPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	14.36	14.16	-	-	17.22	30.00	12.78	1.30	18.52	36.00	17.48
2437	21.97	21.93	-	-	24.96	30.00	5.04	1.00	25.96	36.00	10.04
2472	6.90	6.72	-	-	9.82	30.00	20.18	1.40	11.22	36.00	24.78

Antenna Configuration:	MIMO CDD	Mode:	802.11n HT20
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS2 (QPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	14.65	14.41	-	-	17.54	30.00	12.46	1.30	18.84	36.00	17.16
2437	21.63	21.64	-	-	24.64	30.00	5.36	1.00	25.64	36.00	10.36
2472	6.89	6.67	-	-	9.79	30.00	20.21	1.40	11.19	36.00	24.81

Antenna Configuration:	MIMO CDD	Mode:	802.11ax HE20 SU
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS2x1 (QPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	14.33	14.11	-	-	17.23	30.00	12.77	1.30	18.53	36.00	17.47
2437	21.85	21.76	-	-	24.82	30.00	5.18	1.00	25.82	36.00	10.18
2472	5.46	5.26	-	-	8.37	30.00	21.63	1.40	9.77	36.00	26.23

Maximum Conducted Output Power (continued)

Antenna Configuration:	MIMO CDD	Mode:	802.11ax HE20 RU26
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	12.87	12.43	-	-	15.65	30.00	14.35	1.30	16.95	36.00	19.05
2437	12.79	12.58	-	-	15.68	30.00	14.32	1.00	16.68	36.00	19.32
2472	-3.32	-3.68	-	-	-0.49	30.00	30.49	1.40	0.91	36.00	35.09

Antenna Configuration:	MIMO CDD	Mode:	802.11ax HE20 RU52
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	15.82	15.32	-	-	18.59	30.00	11.41	1.30	19.89	36.00	16.11
2437	15.83	15.78	-	-	18.80	30.00	11.20	1.00	19.80	36.00	16.20
2472	-3.39	-3.72	-	-	-0.55	30.00	30.55	1.40	0.85	36.00	35.15

Antenna Configuration:	MIMO CDD	Mode:	802.11ax HE20 RU106
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	14.75	14.36	-	-	17.56	30.00	12.44	1.30	18.86	36.00	17.14
2437	18.76	18.85	-	-	21.81	30.00	8.19	1.00	22.81	36.00	13.19
2472	-2.34	-2.70	-	-	0.49	30.00	29.51	1.40	1.89	36.00	34.11

Maximum Conducted Output Power (continued)

Antenna Configuration:	MIMO CDD	Mode:	802.11be EHT20 MRU 52+26
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	14.61	14.20	-	-	17.42	30.00	12.58	1.30	18.72	36.00	17.28
2437	17.35	17.39	-	-	20.37	30.00	9.63	1.00	21.37	36.00	14.63
2472	-3.43	-3.74	-	-	-0.57	30.00	30.57	1.40	0.83	36.00	35.17

Antenna Configuration:	MIMO CDD	Mode:	802.11be EHT20 MRU 106+26
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	12.24	11.63	-	-	14.95	30.00	15.05	1.30	16.25	36.00	19.75
2437	19.41	19.42	-	-	22.42	30.00	7.58	1.00	23.42	36.00	12.58
2472	-2.33	-2.60	-	-	0.55	30.00	29.45	1.40	1.95	36.00	34.05

Maximum Conducted Output Power (continued)**Results: MIMO SDM**

Antenna Configuration:	MIMO SDM	Mode:	802.11n HT20
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS10 (QPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	14.48	14.35	-	-	17.42	30.00	12.58	1.25	18.67	36.00	17.33
2437	21.80	21.81	-	-	24.81	30.00	5.19	0.90	25.72	36.00	10.28
2472	6.92	6.66	-	-	9.80	30.00	20.20	1.35	11.15	36.00	24.85

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 SU
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS2x2 (QPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	14.49	14.28	-	-	17.39	30.00	12.61	1.25	18.64	36.00	17.36
2437	21.73	21.66	-	-	24.70	30.00	5.30	0.90	25.60	36.00	10.40
2472	5.47	5.29	-	-	8.38	30.00	21.62	1.35	9.73	36.00	26.27

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 RU26
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	12.85	12.38	-	-	15.63	30.00	14.37	1.25	16.88	36.00	19.12
2437	12.73	12.70	-	-	15.72	30.00	14.28	0.90	16.63	36.00	19.37
2472	-3.50	-3.85	-	-	-0.66	30.00	30.66	1.35	0.69	36.00	35.31

Maximum Conducted Output Power (continued)

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 RU52
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	15.79	15.27	-	-	18.55	30.00	11.45	1.25	19.80	36.00	16.20
2437	15.76	15.77	-	-	18.78	30.00	11.22	0.90	19.68	36.00	16.32
2472	-3.31	-3.67	-	-	-0.48	30.00	30.48	1.35	0.87	36.00	35.13

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 RU106
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	14.77	14.36	-	-	17.56	30.00	12.44	1.25	18.81	36.00	17.19
2437	18.76	18.83	-	-	21.80	30.00	8.20	0.90	22.70	36.00	13.30
2472	-2.37	-2.71	-	-	0.47	30.00	29.53	1.35	1.82	36.00	34.18

Antenna Configuration:	MIMO SDM	Mode:	802.11be EHT20 MRU 52+26
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	14.58	14.18	-	-	17.39	30.00	12.61	1.25	18.64	36.00	17.36
2437	17.31	17.27	-	-	20.30	30.00	9.70	0.90	21.20	36.00	14.80
2472	-3.34	-3.66	-	-	-0.49	30.00	30.49	1.35	0.86	36.00	35.14

Maximum Conducted Output Power (continued)

Antenna Configuration:	MIMO SDM	Mode:	802.11be EHT20 MRU 106+26
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	12.28	11.73	-	-	15.02	30.00	14.98	1.25	16.27	36.00	19.73
2437	19.40	19.42	-	-	22.41	30.00	7.59	0.90	23.31	36.00	12.69
2472	-2.46	-2.79	-	-	0.38	30.00	29.62	1.35	1.73	36.00	34.27

Results: TxBF

Antenna Configuration:	TxBF	Mode:	802.11ax HE20 SU
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS2x1 (QPSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2412	12.37	12.08	-	-	15.24	30.00	14.76	4.26	19.50	36.00	16.50
2437	20.33	20.41	-	-	23.38	30.00	6.62	3.91	27.29	36.00	8.71
2472	4.32	4.09	-	-	7.22	30.00	22.78	4.36	11.58	36.00	24.42

4.4 Power Spectral Density

Test Summary:

Test Engineer:	Max Passell	Test Dates:	03 June 2026 to 11 June 2026
Test Sample Serial Number:	Y929QLWGKP		

FCC Clause:	15.247 (e)
ISED Canada Clause:	RSS-247 6.3.1(b)
Test Method Used:	ANSI C63.10 Section 11.10.5

Environmental Conditions:

Temperature (°C):	22 to 24
Relative Humidity (%):	39 to 47

Note(s):

1. For MIMO & TxBF modes, conducted PSD was measured on Core 0 & Core 1 and then combined using the measure and sum the spectra maxima across the outputs technique stated in ANSI C63.10 Section 14.5.2.3.
2. The duty cycle in section 4.1 was added to the spectrum analyser reference level offset.
3. Example plots of each modulation on the worst-case channel, for one antenna configuration, can be seen below to show setting parameters comply with testing method/procedure. All other plots are archived on the UL IT server and available for inspection if required.

Power Spectral Density (continued)

Results: SISO / Core 0

Antenna Configuration:	SISO	Mode:	802.11b
Test Port:	1 (Core 0)	Rate/Modulation:	1 Mbps (DBPSK)

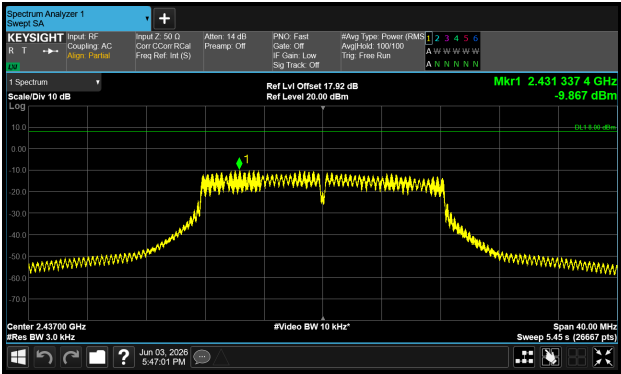
Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-13.36	-	-	-	-	8.00	21.36
2437	-11.74	-	-	-	-	8.00	19.74
2472	-20.24	-	-	-	-	8.00	28.24



Power Spectral Density (continued)

Antenna Configuration:	SISO	Mode:	802.11g
Test Port:	1 (Core 0)	Rate/Modulation:	12 Mbps (QPSK)

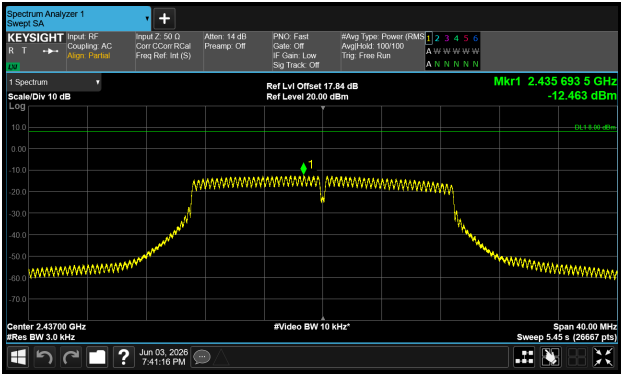
Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-15.75	-	-	-	-	8.00	23.75
2437	-9.87	-	-	-	-	8.00	17.87
2472	-24.19	-	-	-	-	8.00	32.19



Power Spectral Density (continued)

Antenna Configuration:	SISO	Mode:	802.11n HT20
Test Port:	1 (Core 0)	Rate/Modulation:	MCS2 (QPSK)

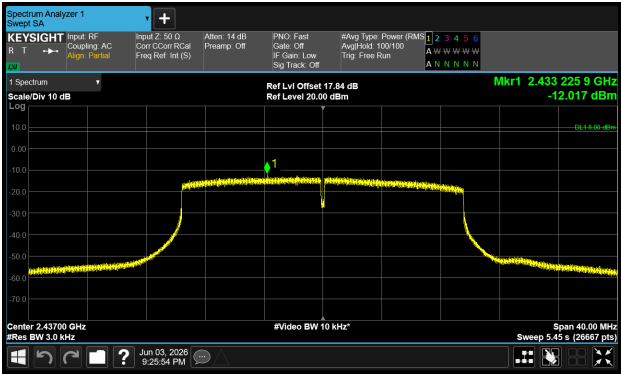
Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-18.81	-	-	-	-	8.00	26.81
2437	-12.46	-	-	-	-	8.00	20.46
2472	-26.64	-	-	-	-	8.00	34.64



Power Spectral Density (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 SU
Test Port:	1 (Core 0)	Rate/Modulation:	MCS2x1 (QPSK)

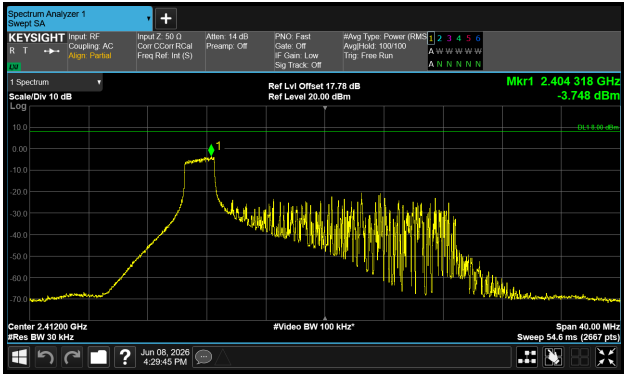
Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-19.94	-	-	-	-	8.00	27.94
2437	-12.02	-	-	-	-	8.00	20.02
2472	-28.41	-	-	-	-	8.00	36.41



Power Spectral Density (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU26
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

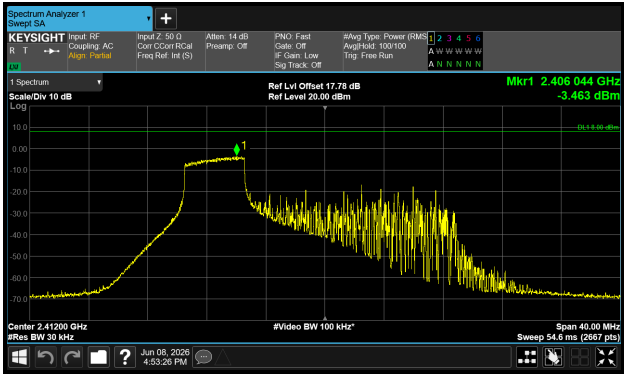
Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-3.75	-	-	-	-	8.00	11.75
2437	-4.08	-	-	-	-	8.00	12.08
2472	-19.42	-	-	-	-	8.00	27.42



Power Spectral Density (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU52
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

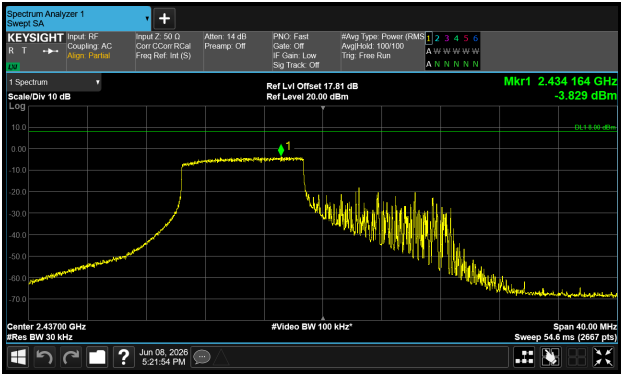
Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-3.46	-	-	-	-	8.00	11.46
2437	-3.98	-	-	-	-	8.00	11.98
2472	-21.41	-	-	-	-	8.00	29.41



Power Spectral Density (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU106
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

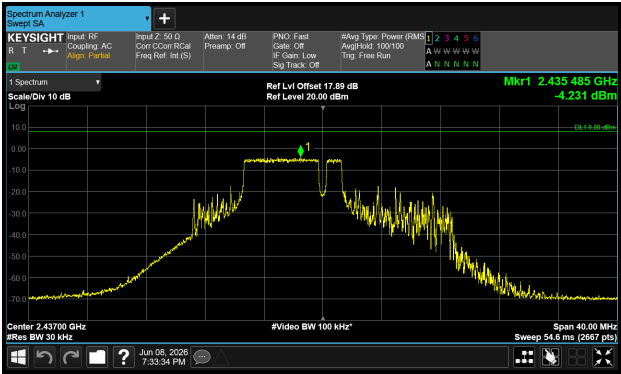
Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-5.98	-	-	-	-	8.00	13.98
2437	-3.83	-	-	-	-	8.00	11.83
2472	-22.92	-	-	-	-	8.00	30.92



Power Spectral Density (continued)

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 52+26
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

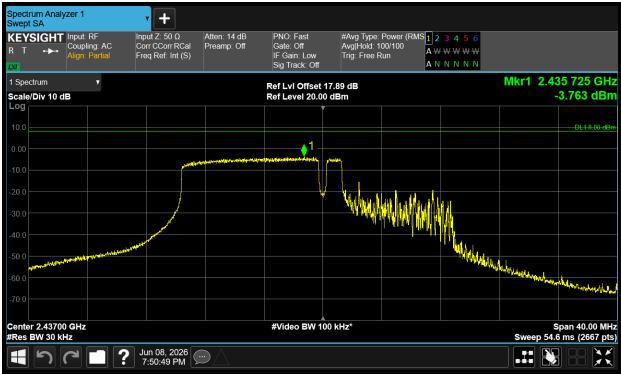
Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-5.39	-	-	-	-	8.00	13.39
2437	-4.23	-	-	-	-	8.00	12.23
2472	-22.38	-	-	-	-	8.00	30.38



Power Spectral Density (continued)

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 106+26
Test Port:	1 (Core 0)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-10.37	-	-	-	-	8.00	18.37
2437	-3.76	-	-	-	-	8.00	11.76
2472	-23.35	-	-	-	-	8.00	31.35



Power Spectral Density (continued)**Results: SISO / Core 1**

Antenna Configuration:	SISO	Mode:	802.11b
Test Port:	2 (Core 1)	Rate/Modulation:	1 Mbps (DBPSK)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-	-13.21	-	-	-	8.00	21.21
2437	-	-11.80	-	-	-	8.00	19.80
2472	-	-20.52	-	-	-	8.00	28.52

Antenna Configuration:	SISO	Mode:	802.11g
Test Port:	2 (Core 1)	Rate/Modulation:	12 Mbps (QPSK)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-	-15.52	-	-	-	8.00	23.52
2437	-	-10.02	-	-	-	8.00	18.02
2472	-	-23.67	-	-	-	8.00	31.67

Antenna Configuration:	SISO	Mode:	802.11n HT20
Test Port:	2 (Core 1)	Rate/Modulation:	MCS2 (QPSK)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-	-18.80	-	-	-	8.00	26.80
2437	-	-12.47	-	-	-	8.00	20.47
2472	-	-26.23	-	-	-	8.00	34.23

Power Spectral Density (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 SU
Test Port:	2 (Core 1)	Rate/Modulation:	MCS2x1 (QPSK)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-	-19.63	-	-	-	8.00	27.63
2437	-	-12.64	-	-	-	8.00	20.64
2472	-	-28.11	-	-	-	8.00	36.11

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU26
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-	-4.24	-	-	-	8.00	12.24
2437	-	-4.22	-	-	-	8.00	12.22
2472	-	-19.28	-	-	-	8.00	27.28

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU52
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-	-3.30	-	-	-	8.00	11.30
2437	-	-4.10	-	-	-	8.00	12.10
2472	-	-20.89	-	-	-	8.00	28.89

Power Spectral Density (continued)

Antenna Configuration:	SISO	Mode:	802.11ax HE20 RU106
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-	-6.12	-	-	-	8.00	14.12
2437	-	-3.75	-	-	-	8.00	11.75
2472	-	-22.72	-	-	-	8.00	30.72

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 52+26
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-	-5.00	-	-	-	8.00	13.00
2437	-	-4.27	-	-	-	8.00	12.27
2472	-	-23.01	-	-	-	8.00	31.01

Antenna Configuration:	SISO	Mode:	802.11be EHT20 MRU 106+26
Test Port:	2 (Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-	-9.95	-	-	-	8.00	17.95
2437	-	-4.52	-	-	-	8.00	12.52
2472	-	-23.50	-	-	-	8.00	31.50

Power Spectral Density (continued)**Results: MIMO CDD**

Antenna Configuration:	MIMO CDD	Mode:	802.11g
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	12 Mbps (QPSK)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-18.12	-17.79	-	-	-14.94	8.00	22.94
2437	-10.53	-10.29	-	-	-7.40	8.00	15.40
2472	-24.84	-24.87	-	-	-21.84	8.00	29.84

Antenna Configuration:	MIMO CDD	Mode:	802.11n HT20
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS2 (QPSK)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-19.28	-19.28	-	-	-16.27	8.00	24.27
2437	-12.22	-12.58	-	-	-9.38	8.00	17.38
2472	-26.87	-27.18	-	-	-24.01	8.00	32.01

Antenna Configuration:	MIMO CDD	Mode:	802.11ax HE20 SU
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS2x1 (QPSK)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-20.31	-20.49	-	-	-17.39	8.00	25.39
2437	-12.78	-13.13	-	-	-9.94	8.00	17.94
2472	-29.41	-29.22	-	-	-26.30	8.00	34.30

Power Spectral Density (continued)

Antenna Configuration:	MIMO CDD	Mode:	802.11ax HE20 RU26
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-3.78	-4.42	-	-	-1.08	8.00	9.08
2437	-4.40	-4.49	-	-	-1.44	8.00	9.44
2472	-20.16	-20.57	-	-	-17.35	8.00	25.35

Antenna Configuration:	MIMO CDD	Mode:	802.11ax HE20 RU52
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-3.14	-3.99	-	-	-0.53	8.00	8.53
2437	-4.04	-4.31	-	-	-1.16	8.00	9.16
2472	-23.08	-23.59	-	-	-20.32	8.00	28.32

Antenna Configuration:	MIMO CDD	Mode:	802.11ax HE20 RU106
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-6.84	-7.13	-	-	-3.97	8.00	11.97
2437	-3.68	-3.92	-	-	-0.79	8.00	8.79
2472	-24.82	-24.81	-	-	-21.81	8.00	29.81

Power Spectral Density (continued)

Antenna Configuration:	MIMO CDD	Mode:	802.11be EHT20 MRU 52+26
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-6.25	-6.61	-	-	-3.42	8.00	11.42
2437	-4.39	-4.47	-	-	-1.42	8.00	9.42
2472	-24.60	-25.09	-	-	-21.83	8.00	29.83

Antenna Configuration:	MIMO CDD	Mode:	802.11be EHT20 MRU 106+26
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x1 (256QAM)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-10.30	-10.69	-	-	-7.48	8.00	15.48
2437	-3.85	-3.87	-	-	-0.85	8.00	8.85
2472	-24.94	-25.69	-	-	-22.28	8.00	30.28

Power Spectral Density (continued)**Results: MIMO SDM**

Antenna Configuration:	MIMO SDM	Mode:	802.11n HT20
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS10 (QPSK)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-19.43	-19.19	-	-	-16.30	8.00	24.30
2437	-12.00	-12.33	-	-	-9.15	8.00	17.15
2472	-26.89	-27.26	-	-	-24.06	8.00	32.06

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 SU
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS2x2 (QPSK)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-19.80	-20.19	-	-	-16.98	8.00	24.98
2437	-13.10	-13.22	-	-	-10.15	8.00	18.15
2472	-29.21	-28.83	-	-	-26.00	8.00	34.00

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 RU26
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-3.85	-4.48	-	-	-1.14	8.00	9.14
2437	-3.80	-4.58	-	-	-1.16	8.00	9.16
2472	-20.31	-20.37	-	-	-17.33	8.00	25.33

Power Spectral Density (continued)

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 RU52
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-3.34	-4.01	-	-	-0.65	8.00	8.65
2437	-3.97	-4.36	-	-	-1.15	8.00	9.15
2472	-22.79	-23.22	-	-	-19.99	8.00	27.99

Antenna Configuration:	MIMO SDM	Mode:	802.11ax HE20 RU106
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-6.99	-7.07	-	-	-4.02	8.00	12.02
2437	-3.61	-4.04	-	-	-0.81	8.00	8.81
2472	-24.78	-25.01	-	-	-21.88	8.00	29.88

Antenna Configuration:	MIMO SDM	Mode:	802.11be EHT20 MRU 52+26
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-6.02	-6.80	-	-	-3.38	8.00	11.38
2437	-4.24	-4.21	-	-	-1.22	8.00	9.22
2472	-24.67	-24.87	-	-	-21.76	8.00	29.76

Power Spectral Density (continued)

Antenna Configuration:	MIMO SDM	Mode:	802.11be EHT20 MRU 106+26
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS9x2 (256QAM)

Test Frequency (MHz)	PSD (dBm/30 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-10.22	-10.61	-	-	-7.40	8.00	15.40
2437	-3.88	-3.79	-	-	-0.83	8.00	8.83
2472	-25.27	-25.86	-	-	-22.55	8.00	30.55

Results: TxBF

Antenna Configuration:	TxBF	Mode:	802.11ax HE20 SU
Test Port:	1+2 (Core 0+Core 1)	Rate/Modulation:	MCS2x1 (QPSK)

Test Frequency (MHz)	PSD (dBm/3 kHz)					Limit (dBm/3 kHz)	Margin (dB)
	1	2	3	4	Σ		
2412	-22.06	-22.45	-	-	-19.24	8.00	27.24
2437	-13.78	-14.34	-	-	-11.04	8.00	19.04
2472	-30.38	-30.26	-	-	-27.31	8.00	35.31

5 Radiated Test Results

5.1 Duty Cycle

Test Summary:

Test Engineers:	Faissal Merzaki, Nick Steele, Prasanna Reddy & Robert English	Test Dates:	27 March 2026 to 16 June 2026
Test Sample Serial Numbers:	GMWPG7X7HL		

FCC Clause:	Part 15.35(c)
ISED Canada Clause:	RSS-Gen 8.2
Test Method Used:	ANSI C63.10 Section 11.6

Environmental Conditions:

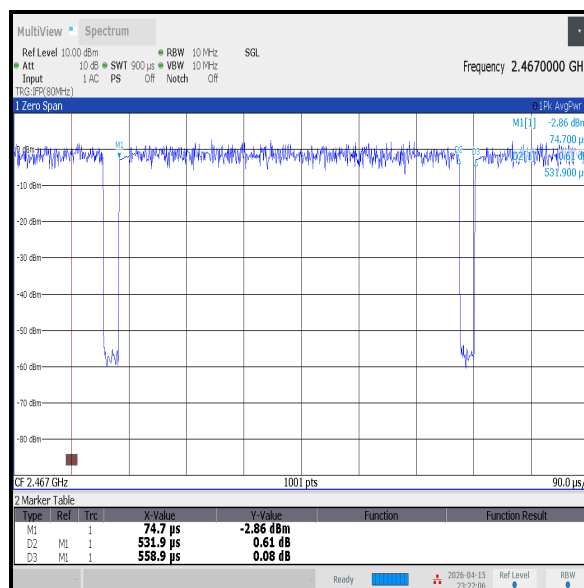
Temperature (°C):	21 to 22
Relative Humidity (%):	36 to 48

Note(s):

- In order to assist with the determination of the average level of spurious emissions field strength, measurements were made of duty cycle to determine the transmission duration and the silent period time of the transmitter.

Results:

Mode	Data Rate	Pulse Duration (µs)	Period (µs)	Duty Cycle (%)	Correction Factor (dB)
802.11g	12 Mbps	1043.0	1069.6	97.51	0.11
802.11g	24 Mbps	531.9	558.9	95.17	0.21



5.2 Radiated Emissions <1 GHz

Test Summary:

Test Engineers:	Atiqul Tanvir, Jose Bayona & Andrew Harding	Test Dates:	06 May 2026 & 18 August 2026
Test Sample Serial Number:	L5Q6J36Y22		

FCC Clause:	Parts 15.247(d) & 15.209(a)
ISED Canada Clause:	RSS-247 6.6 / RSS-Gen 6.13 & 8.9
Test Method Used:	ANSI C63.10 Sections 6.3, 6.4 and 6.5
Frequency Range	9 kHz to 1000 MHz

Environmental Conditions:

Temperature (°C):	21 to 25
Relative Humidity (%):	38 to 39

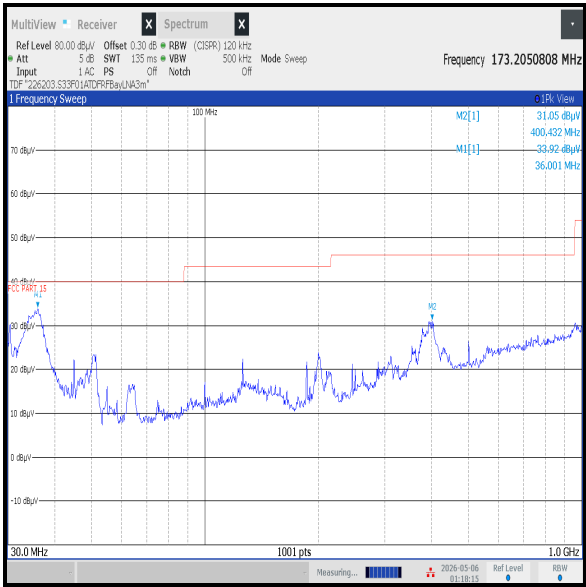
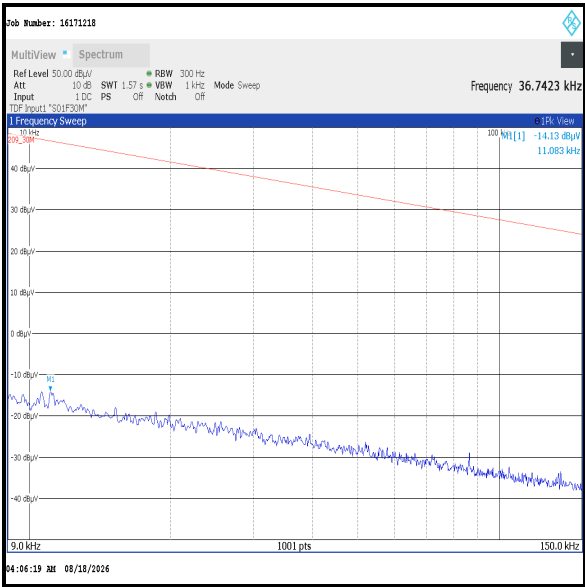
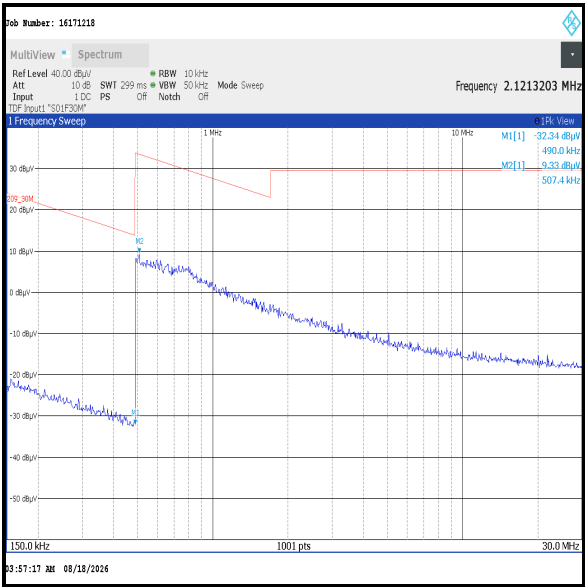
Note(s):

- The preliminary scans showed similar emission levels below 1 GHz, for each channel of operation. Therefore final radiated emissions measurements were performed with the EUT set to the middle channel only.
- All emissions shown on the pre-scans were investigated and found to be ambient, or > 20 dB below the appropriate limit or below the noise floor of the measurement system. Therefore, the highest peak noise floor reading of the measuring receiver was recorded in the table below.
- Measurements below 30 MHz were performed in a semi-anechoic chamber (Asset Number K0001) at 3 metres. The EUT was placed at a height of 80 cm above the reference ground plane in the centre of the chamber turntable. ANSI C63.10 clause 5.2 states an alternative test site that can demonstrate equivalence to an open area test site may be used for measurements below 30 MHz. Therefore, measurements were performed in a semi-anechoic chamber. The correlation data between semi-anechoic chamber and an open field test site is available upon request.
- The measured values at 3 metres were extrapolated to the required measurement distances of 300 metres and 30 metres and compared to the specified limits at those distances:
 - 9 kHz to 490 kHz: measured value extrapolated from 3 metres to 300 metres by subtracting 80 dB at 40 dB / decade
 - 490 kHz to 30 MHz: measured value extrapolated from 3 metres to 30 metres by subtracting 40 dB at 40 dB / decade
- The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to the 15.209(a) limit.
- Measurements from 30 MHz to 1 GHz were performed in a semi-anechoic chamber (Asset Number K226203) at a distance of 3 metres. The EUT was placed at a height of 80 cm above the reference ground plane in the centre of the chamber turntable. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.
- Preliminary scans below 30 MHz showed no emissions for any RF technology, therefore the data in this report is representative for all other intentional radiators.

Radiated Emissions (continued)

Results: Peak / Middle Channel / SISO / 802.11b / 20 MHz / 1 Mbps / Core 0

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
400.432	31.05	46.00	14.95	Vertical



5.3 Radiated Emissions >1 GHz

Test Summary:

Test Engineers:	Shamraiz Ashiq, Andrew Harding, Dale Hills & Jose Bayona	Test Dates:	30 April 2026 to 06 May 2026
Test Sample Serial Numbers:	TVF36KG42G & GMWPG7X7HL		

FCC Clause:	Parts 15.247(d) & 15.209(a)
ISED Canada Clause:	RSS-247 6.6 / RSS-Gen 6.13 & 8.9
Test Method Used:	ANSI C63.10 Sections 6.3, 6.6, 11.11 & 11.12
Frequency Range	1 GHz to 25 GHz

Environmental Conditions:

Temperature (°C):	24 to 26
Relative Humidity (%):	29 to 35

Note(s):

1. No spurious emissions were detected above the noise floor of the measuring receiver therefore the highest peak and average noise floor readings of the measuring receiver were recorded as shown in the tables below.
2. The emission shown on the 1 GHz to 3 GHz plot is the EUT fundamental.
3. Pre-scans above 1 GHz were performed in a fully anechoic chamber (Asset Number K0017, K226202 & K226203) at a distance of 3 metres. The EUT was placed at a height of 1.5 metres above the test chamber floor in the centre of the chamber turntable. All measurement antennas were placed at a fixed height of 1.5 metres above the test chamber floor, in line with the EUT.

Radiated Emissions (continued)

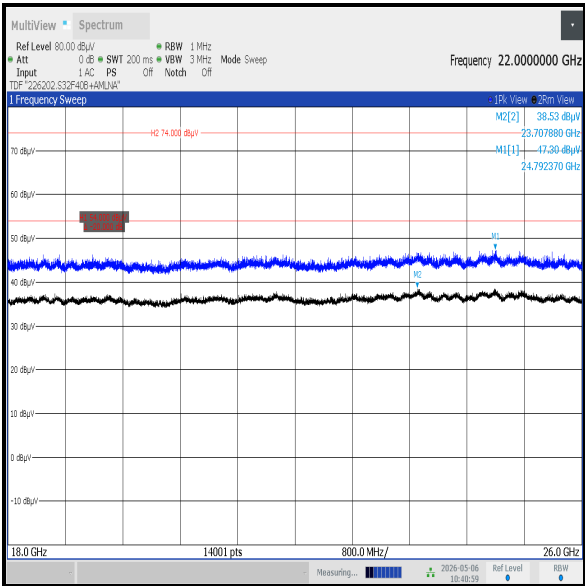
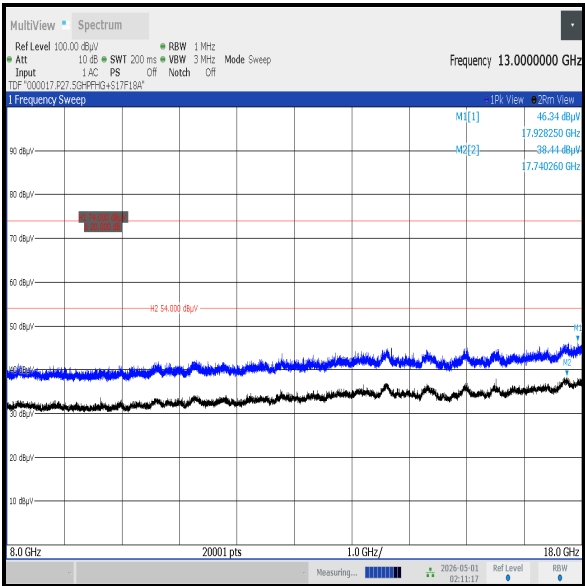
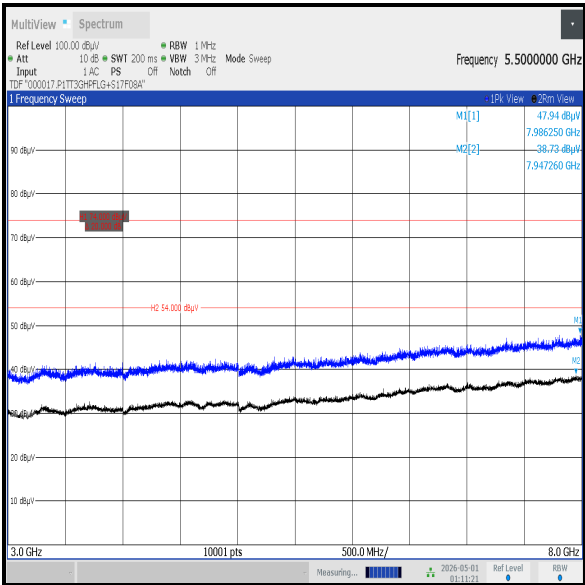
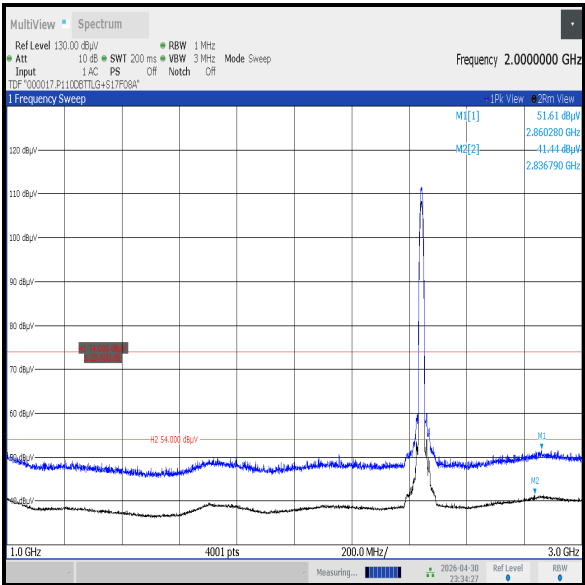
Results: SISO / 802.11b / 20 MHz / 1 Mbps / Core 0

Results: Middle Channel / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
2860.280	51.6	74.0	22.4	Horizontal

Results: Middle Channel / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
2836.790	41.4	54.0	12.6	Horizontal



Radiated Emissions (continued)

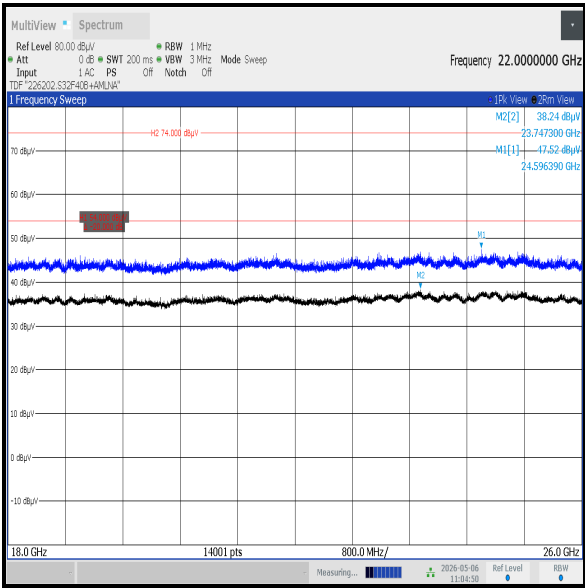
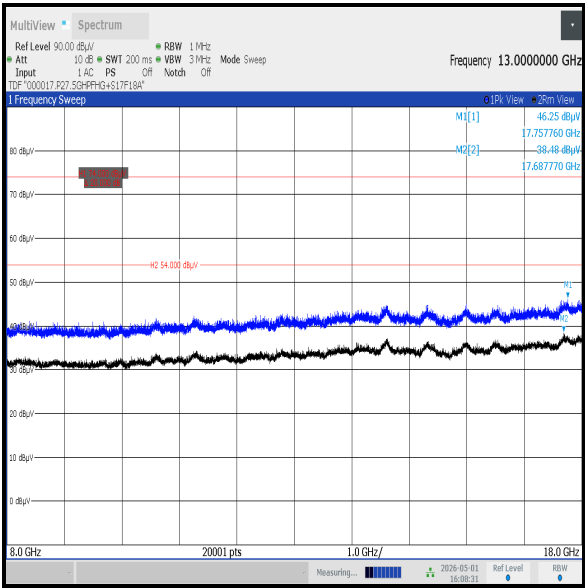
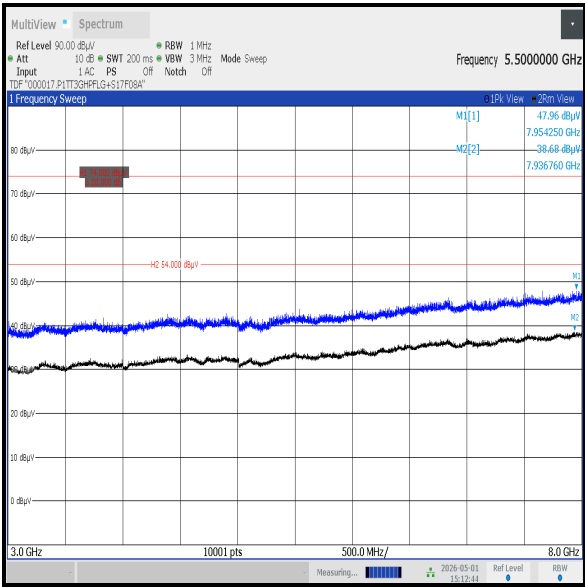
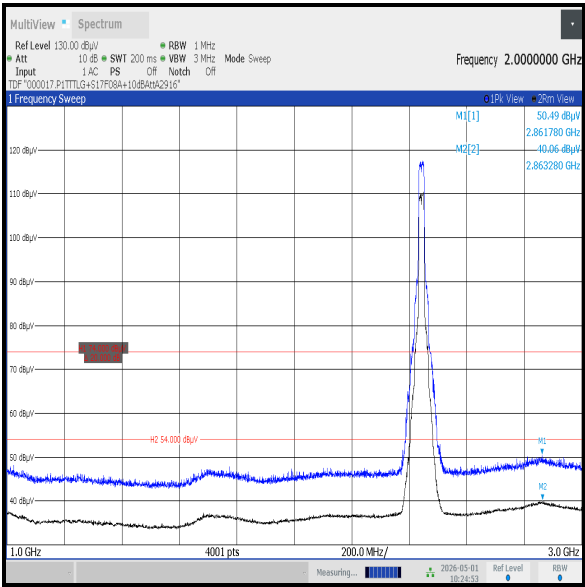
Results: MIMO CDD / 802.11n HT20 / MCS2 / Core 0 + Core 1

Results: Middle Channel / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
2861.780	50.5	74.0	23.5	Horizontal

Results: Middle Channel / Average

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
2863.280	40.1	54.0	13.9	Horizontal

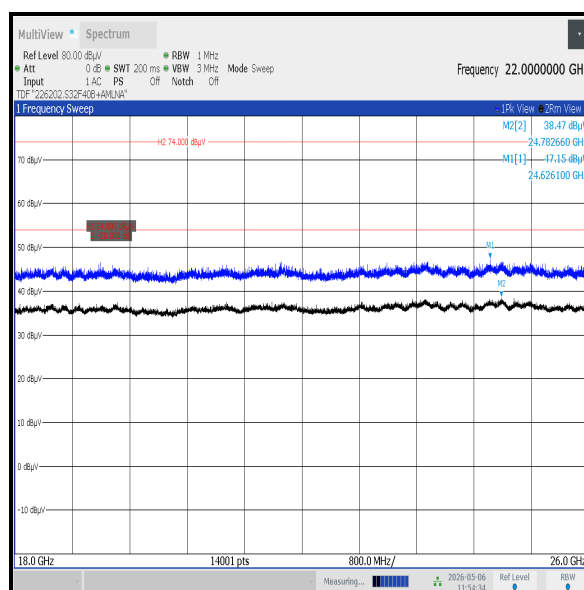
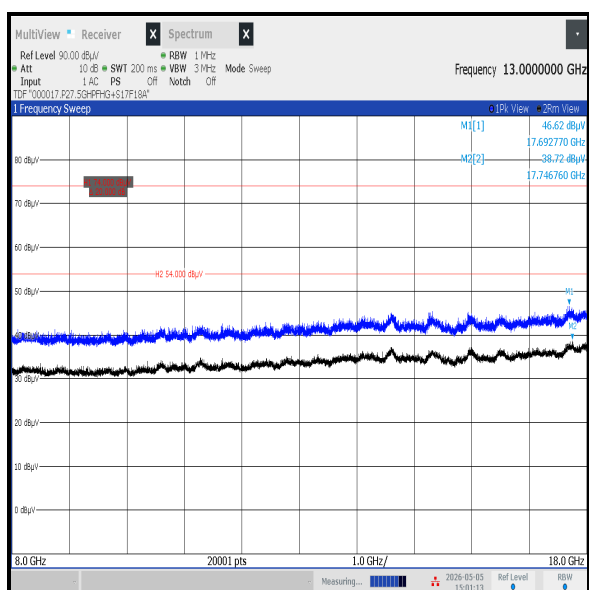
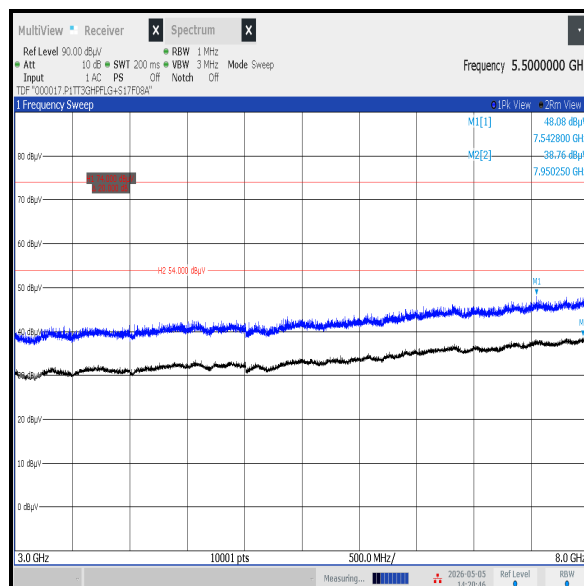
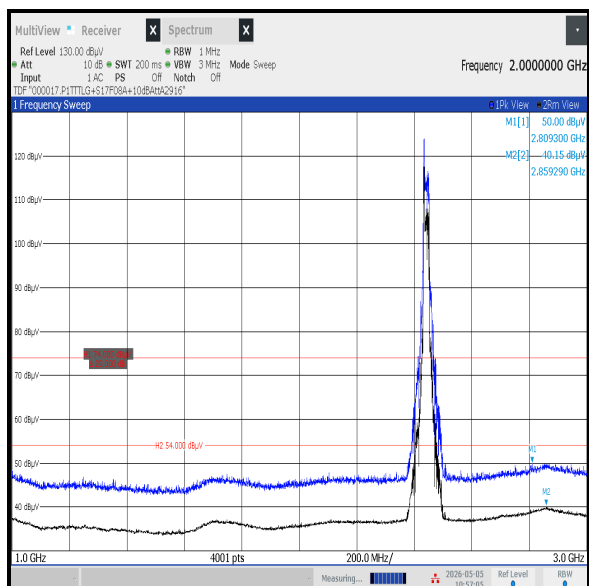


Radiated Emissions (continued)**Results: MIMO CDD / 802.11ax HE20 / RU 26 / MCS2x1 / Core 0 + Core 1****Results: Middle Channel / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
2809.300	50.0	74.0	24.0	Horizontal

Results: Middle Channel / Average

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
2859.290	40.2	54.0	13.8	Horizontal



5.4 Band Edge Radiated Emissions

Test Summary:

Test Engineers:	Faissal Merzaki, Nick Steele, Prasanna Reddy & Robert English	Test Dates:	27 March 2026 to 16 June 2026
Test Sample Serial Number:	GMWPG7X7HL		

FCC Clause:	Parts 15.247(d) & 15.209(a)
ISED Canada Clause:	RSS-247 6.6 / RSS-Gen 6.13
Test Method Used:	ANSI C63.10 Sections 7.5, 11.11 & 11.12

Environmental Conditions:

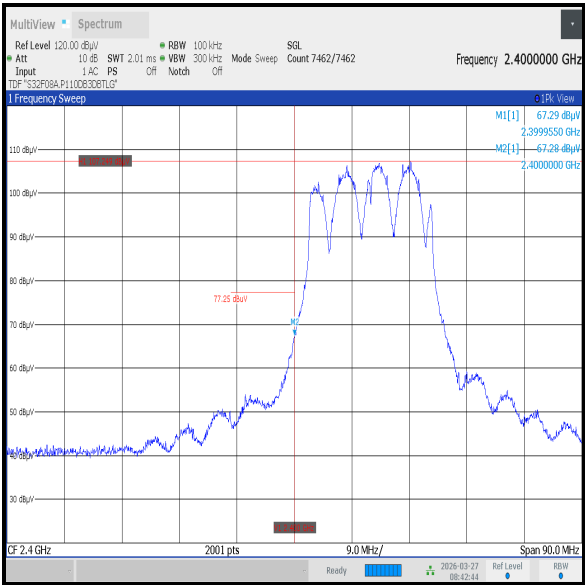
Temperature (°C):	21 to 22
Relative Humidity (%):	36 to 48

Note(s):

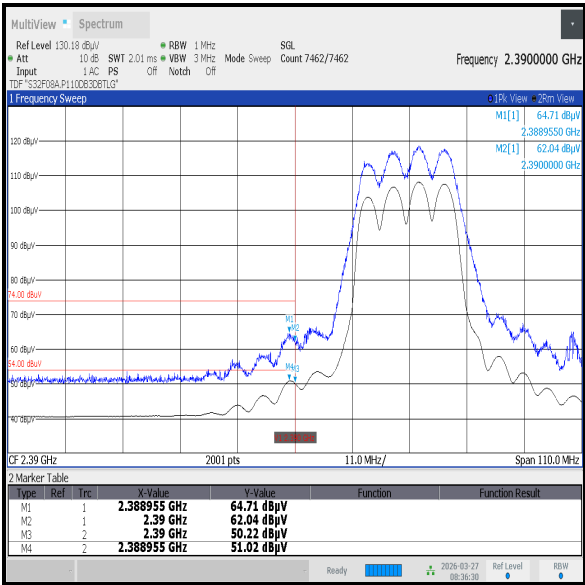
1. The final measured value, for the given emission, in the table below incorporates the calibrated antenna factor and cable loss.
2. For data rates with a duty cycle <98%. The duty cycle correction factor calculated in section 5.1 has been applied to the relevant average results.
3. Example plots of the worst-case configuration can be seen below, these show that the setting parameters comply with testing method/procedure. All other plots are archived on the UL IT server and available for inspection if required.

Band Edge Radiated Emissions (continued)

Example Plots



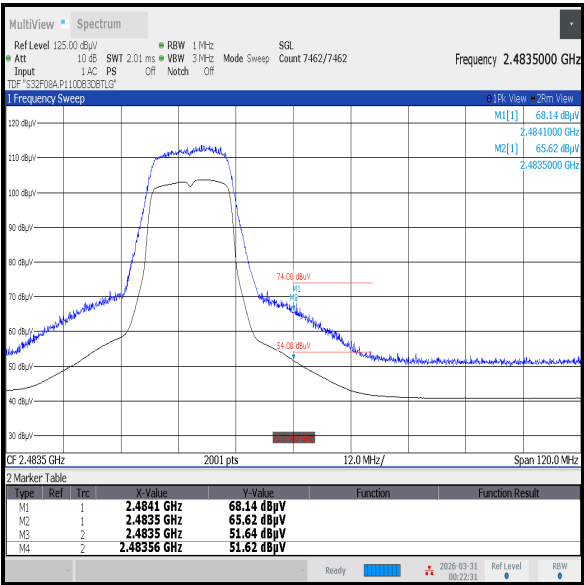
Channel 1 – Lower Band Edge



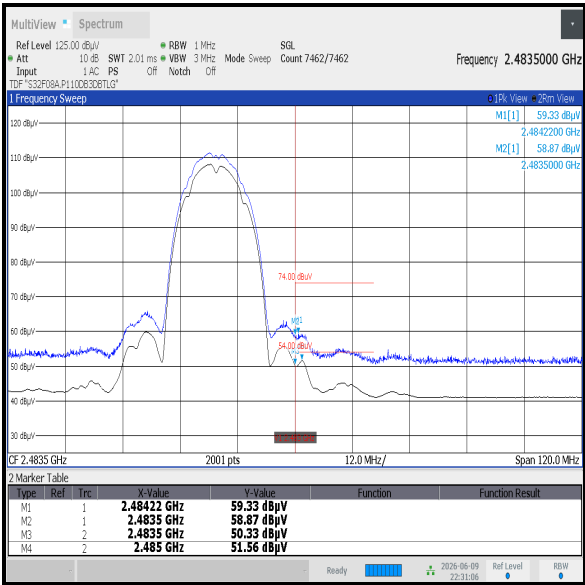
Lower Band Edge – Restricted Band

Band Edge Radiated Emissions (continued)

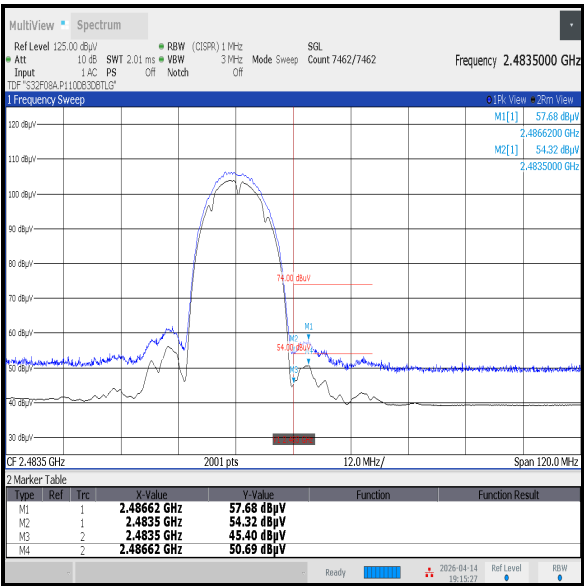
Example Plots



Channel 11 – Upper Band Edge



Channel 12 – Upper Band Edge



Channel 13 – Upper Band Edge

Band Edge Radiated Emissions (continued)**Results: SISO / 802.11b / 20 MHz / 1 Mbps / Core 1****Results: Non-Restricted Band / Peak**

Channel	Frequency (MHz)	-30 dBc Limit (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
1	2394.465	53.4	78.7	25.3	Horizontal

Results: Restricted Band / Peak

Channel	Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
1	2389.010	57.4	74.0	16.6	Horizontal
11	2483.560	57.3	74.0	16.7	Horizontal
12	2484.220	59.3	74.0	14.7	Horizontal
13	2486.620	57.7	74.0	16.3	Horizontal

Results: Restricted Band / Average

Channel	Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
1	2389.945	46.7	54.0	7.3	Horizontal
11	2483.5	49.4	54.0	4.6	Horizontal
12	2485.0	51.6	54.0	2.4	Horizontal
13	2486.620	50.7	54.0	3.3	Horizontal

Band Edge Radiated Emissions (continued)**Results: SISO / 802.11g / 20 MHz / 12 Mbps / Core 1****Results: Non-Restricted Band / Peak**

Channel	Frequency (MHz)	-30 dBc Limit (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
1	2400.0	63.1	73.7	10.6	Horizontal

Results: Restricted Band / Peak

Channel	Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
1	2388.735	65.0	74.0	9.0	Horizontal
11	2484.100	68.1	74.0	5.9	Horizontal

Results: Restricted Band / Average

Channel	Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
1	2389.945	48.4	54.0	5.6	Horizontal
11	2483.5	51.8	54.0	2.2	Horizontal

Results: SISO / 802.11n HT20 / MCS2 / Core 1**Results: Restricted Band / Peak**

Channel	Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
12	2483.635	63.8	74.0	10.2	Horizontal

Results: Restricted Band / Average

Channel	Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
12	2483.545	51.4	54.0	2.6	Horizontal

Results: SISO / 802.11ax HE20 / SU / MCS4x1 / Core 1**Results: Restricted Band / Peak**

Channel	Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
13	2483.5	69.2	74.0	4.8	Horizontal

Results: Restricted Band / Average

Channel	Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
13	2483.5	46.9	54.0	7.1	Horizontal

Band Edge Radiated Emissions (continued)**Results: MIMO CDD / 802.11ax HE20 / SU / MCS2x1 / Core 0 + Core 1****Results: Non-Restricted Band / Peak**

Channel	Frequency (MHz)	-30 dBc Limit (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
1	2399.955	67.3	77.3	10.0	Horizontal

Results: Restricted Band / Peak

Channel	Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
1	2388.955	64.7	74.0	9.3	Horizontal

Results: Restricted Band / Average

Channel	Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
1	2388.955	51.0	54.0	3.0	Horizontal

Results: MIMO CDD / 802.11n HT20 / MCS4 / Core 0 + Core 1**Results: Restricted Band / Peak**

Channel	Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
11	2483.600	64.7	74.0	9.3	Horizontal

Results: Restricted Band / Average

Channel	Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
11	2483.5	50.4	54.0	3.6	Horizontal

Results: MIMO CDD / 802.11g / 20 MHz / 24 Mbps / Core 0 + Core 1**Results: Restricted Band / Peak**

Channel	Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
12	2483.5	63.4	74.0	10.6	Horizontal

Results: Restricted Band / Average

Channel	Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
12	2483.5	50.7	54.0	3.3	Horizontal

Band Edge Radiated Emissions (continued)**Results: MIMO CDD / 802.11ax HE20 / SU / MCS9x1 / Core 0 + Core 1****Results: Restricted Band / Peak**

Channel	Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
13	2483.560	68.1	74.0	5.9	Horizontal

Results: Restricted Band / Average

Channel	Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
13	2483.5	47.3	54.0	6.7	Horizontal

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