



427 West 12800 South
Draper, UT 84020

Test Report Certification

FCC ID	SWX-UAW
ISED ID	6545A-UAW
Equipment Under Test	U-AirWire
Test Report Serial Number	TR10688_02
Date of Tests	25-26 November; 12, 30 December 2025
Report Issue Date	2 February 2026

Test Specification	Applicant
47 CFR FCC Part 15, Subpart E RSS-247, Issue 4 (July 2025)	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.



NVLAP LAB CODE 600241-0

Certification of Engineering Report

This report has been prepared by Unified Compliance Laboratory (UCL) to document compliance of the device described below with the requirement of Federal Communication Commissions (FCC) Part 15, Subpart E. This report may be reproduced in full. Partial reproduction of this report may only be made with the written consent of the laboratory. The results in this report apply only to the sample tested with the specifications provided by the manufacturer.

Applicant	Ubiquiti Inc.
Manufacturer	Ubiquiti Inc.
Brand Name	UBIQUITI
Model Number	U-AirWire
FCC ID	SWX-UAW
ISED ID	6545A-UAW

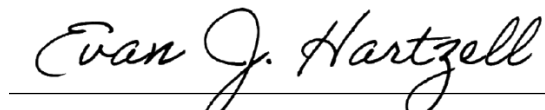
On this 2nd day of February 2026, I individually and for Unified Compliance Laboratory certify that the statements made in this engineering report are true, complete, and correct to the best of my knowledge and are made in good faith. Unified Compliance laboratory is not responsible for incorrect information provided by the manufacturer.

Although NVLAP has accredited the Unified Compliance Laboratory testing facilities, this report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. federal government.

Unified Compliance Laboratory



Written By: Kimberly DeBole



Reviewed By: Evan J. Hartzell

Revision History		
Revision	Description	Date
01	Original Report Release	2 February 2026
02	Amended Standard Reference in Section 3.3.1	19 February 2026

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1 Client Information

1.1 Applicant

Company	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.
Contact Name	Alex Macon
Title	Compliance

1.2 Manufacturer

Company	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.
Contact Name	Alex Macon
Title	Compliance

2 Equipment Under Test (EUT)

2.1 Identification of EUT

Brand Name	UBIQUITI
Model Number	U-AirWire
Serial Number	25E
Dimensions (cm)	11.7 x 11.7 x 4.3

2.2 Description of EUT

The U-AirWire is a wireless USB adapter which supports WiFi 7. The U-AirWire transmits in the 2.4 GHz, 5 GHz and 6 GHz WiFi frequency bands. The U-AirWire has a rotatable directional 2x2 mountable antenna for optimal wireless performance. The U-AirWire also has a Bluetooth transmitter for system management. The U-AirWire has one main UCB-C port for data and power, which powers the U-AirWire, and a second USB-C auxiliary power port.

This device does not support channel puncturing.

For CDD transmission, directional gain is calculated as follows.

Array Gain = $10 \log(\text{NANT}/\text{NSS})$ dB

NANT = number of transmit antennas and NSS = number of spatial streams. NSS = 1 considered worst case. For power measurements on IEEE 802.11 devices, Array Gain = 0 dB for $\text{NANT} \leq 4$;

For PSD measurements when $\text{Nss}=1$: Array Gain = $10 \log(\text{NANT}/\text{NSS})$ dB + Antenna Gain (dBi). Or $3.01 \text{ dB} + 11 \text{ dBi} = 14.01 \text{ dBi}$.

This report covers the circuitry of the device subject to FCC Part 15, Subpart E. The circuitry of the device subject to FCC Part 15 Subpart B was found to be compliant and is covered under a separate Unified Compliance Laboratory test report.

Band	WiFi Mode	Modulation Bandwidth	Modulation Type	Frequency (MHz)
UNII-1	a	20 MHz	OFDM	5180, 5200, 5210, 5240
	be	20 MHz	EHT	5180, 5200, 5210, 5240
	be	40 MHz	EHT	5190, 5230
	be	80 MHz	EHT	5210

2.3 EUT and Support Equipment

The EUT and support equipment used during the test are listed below.

Brand Name Model Number Serial Number	Description	Name of Interface Ports / Interface Cables
BN: UBIQUITI MN: U-AirWire SN: 25E	Wireless WiFi USB Adapter	See Section 2.4
BN: UBIQUITI MN: GP-M015-QC SN: N/A	USB-C Power Supply	USB-C/1 Meter
BN: Dell MN: XPS 13 SN: N/A	Laptop Personal Computer (For Testing Only)	USB-C/2 meters (Note 2)

Notes: (1) EUT

(2) Interface port connected to EUT (See Section 2.4)

The support equipment listed above was not modified in order to achieve compliance with this standard.

2.4 Interface Ports on EUT

Name of Ports	No. of Ports Fitted to EUT	Cable Description/Length
USB-C Data/Power	1	USB-C/1 Meter
USB-C Auxiliary/Power	1	USB-C/2 Meters

2.5 Operating Environment

Power Supply	120 Vac to USB-C Power
AC Mains Frequency	60 Hz
Temperature	21.3 - 29.7 °C
Humidity	22.8 - 30.6 %
Barometric Pressure	1013 mBar

2.6 Operating Modes

The U-AirWire was tested using test software in order to enable to constant transmission. The measurements within this report are corrected to reference a 100% duty cycle. All emission modes of 802.11be were investigated. All measurements are reported with the worst-case mode (802.11be maximum conducted output power and maximum power spectral density) unless otherwise stated.

2.7 EUT Exercise Software

EUT firmware version 1.0 was used to operate the transmitter using a constant transmit mode.

2.8 Block Diagram of Test Configuration

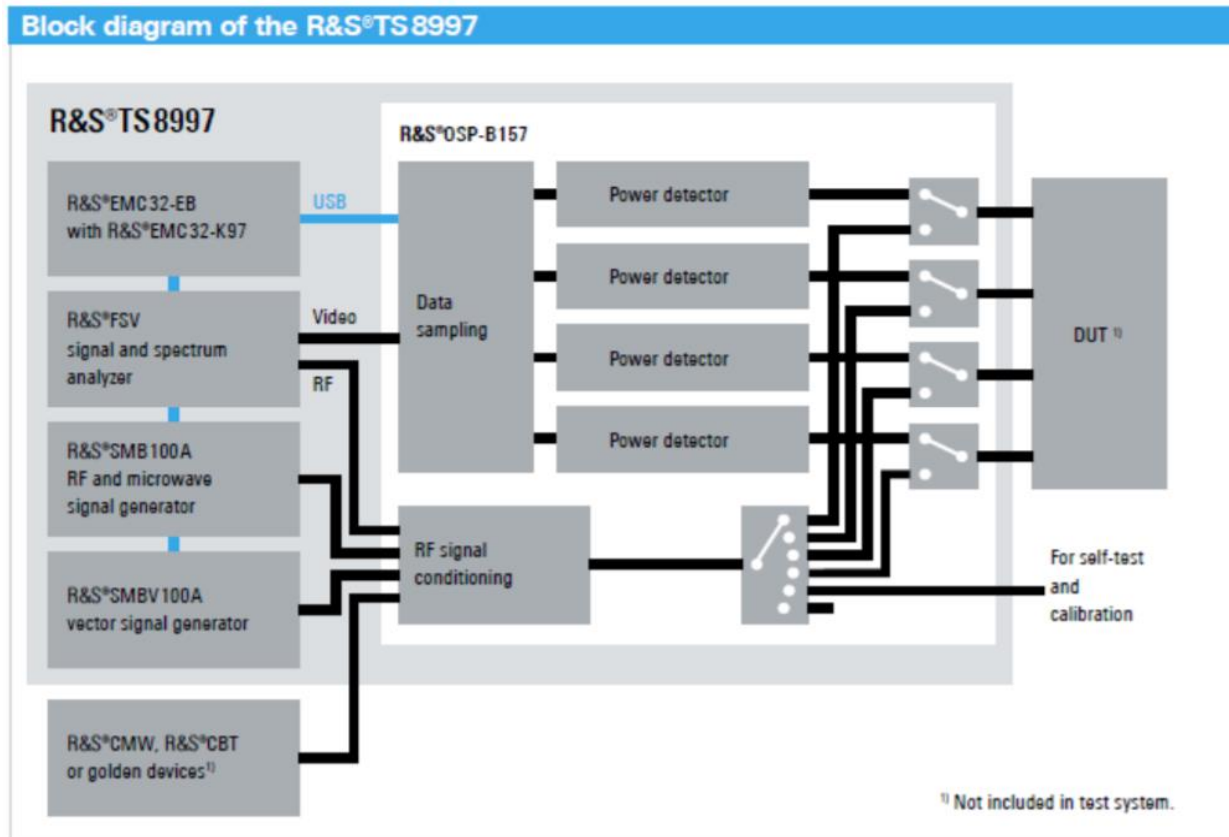


Diagram 1: Test Configuration Block Diagram

2.9 Modification Incorporated/Special Accessories on EUT

There were no modifications made to the EUT during testing to comply with the specification.

2.10 Deviation, Opinions Additional Information or Interpretations from Test Standard

There were no deviations, opinions, additional information or interpretations from the test specification.

3 Test Specification, Method and Procedures

3.1 Test Specification

Title	47 CFR FCC Part 15, Subpart E, Section 15.407 Limits and methods of measurement of radio interference characteristics of Unlicensed National Information Infrastructure Devices
Purpose of Test	The tests were performed to demonstrate initial compliance

3.2 Methods & Procedures

3.2.1 47 CFR FCC Part 15 Section 15.407

See test standard for details.

3.3 FCC Part 15, Subpart E

3.3.1 Summary of Tests

FCC Section	ISED Section	Environmental Phenomena	Frequency Range (MHZ)	Result
15.203	N/A	Antenna requirements	Structural Requirement	Compliant
15.207	RSS-Gen	Conducted Disturbance at Mains Port	0.15 to 30	Compliant
15.407(a)	RSS-247 §6.2.2	Bandwidth Requirement	5180 to 5210	Compliant
15.407(a)	RSS-247 §6.2.2, §6.2.3	Peak Output Power	5180 to 5210	Compliant
15.407(b)	RSS-247 §6.2.2, §6.2.3	Antenna Conducted Spurious Emissions	0.009 to 40000	N/A Note ¹
15.209	RSS-247 §6.2.2, §6.2.3	Radiated Spurious Emissions	0.009 to 40000	Compliant
15.407(a)	RSS-247 §6.2.2, §6.2.3	Peak Power Spectral Density	5180 to 5210	Compliant
The testing was performed according to the procedures in ANSI C63.10-2020/Cor 1-2021, KDB 789033 and 47 CFR Part 15. Where applicable, KDB 662911 was followed to sum required measurements. Note ¹: Radiated Spurious was performed per 15.209 with the antenna unterminated.				

3.4 Results

In the configuration tested, the EUT complied with the requirements of the specification.

3.5 Test Location

Testing was performed at the Unified Compliance Laboratory 3-Meter and 10-Meter chambers located at 427 West 12800 South, Draper, UT 84020. Unified Compliance Laboratory is accredited by National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Code 600241-0 which is effective until 30 June 2026. This site has also been registered with Innovations, Science and Economic Development (ISED) department as was accepted under Appendix B, Phase 1 procedures of the APEC Tel MRA for Canadian recognition. ISED No.: 25346, effective until 30 June 2026.

Unified Compliance Laboratory has been assigned Registration Number 376708 by the FCC, MRA Designation Number US5037 and Conformity Assessment Number US0223 by ISED.

4 Test Equipment

4.1 Conducted Emissions at Mains Ports

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
EMI Receiver	AFJ	FFT3010	UCL-2500	11/18/2025	11/18/2026
LISN	AFJ	LS16C/10	UCL-2512	8/12/2025	8/12/2026
ISN	Teseq	ISN T800	UCL-2971	3/31/2025	3/31/2026
AC Power Source	Laplace Instruments	AC1000A	UCL-2857	N/A	N/A
Test Software	AFJ	AFJ FFT3010	UCL-3107	N/A	N/A

Table 1: List of equipment used for Conducted Emissions Testing at Mains Port

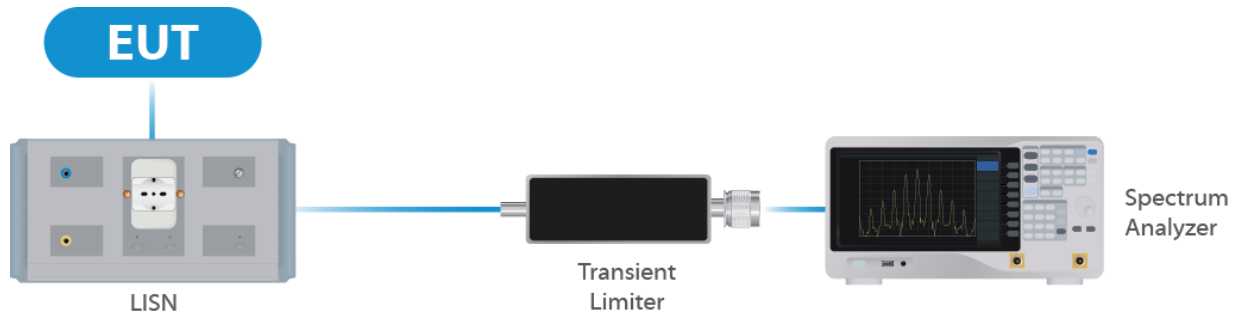


Figure 1: Conducted Emissions Test

4.2 Direct Connect at the Antenna Port Tests

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
Spectrum Analyzer	R&S	FSV40	UCL-2861	1/16/2025	4/16/2026
Signal Generator	R&S	SMB100A	UCL-2864	N/A	N/A
Vector Signal Generator	R&S	SMBV100A	UCL-2873	N/A	N/A
Switch Extension	R&S	OSP-B157WX	UCL-2867	4/28/2025	4/16/2026
Switch Extension	R&S	OSP-150W	UCL-2870	4/28/2025	4/16/2026
Test Software	R&S	EMC32	UCL-9442	--	--

Table 2: List of equipment used for Direct Connect at the Antenna Port

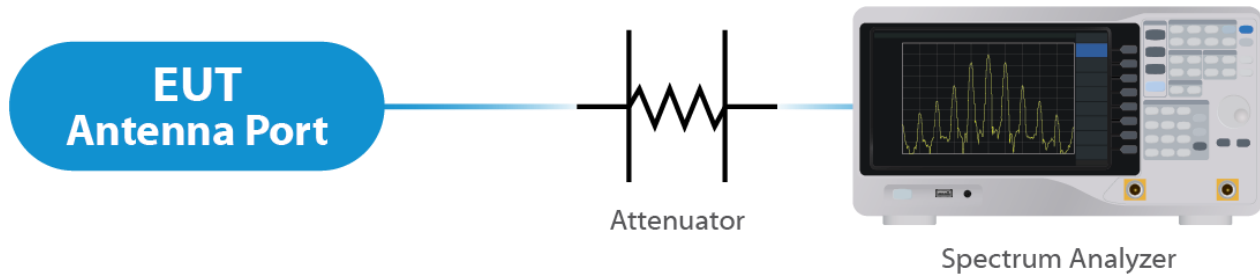


Figure 2: Direct Connect at the Antenna Port Test



Figure 3: Output Power Measurement

4.3 Radiated Emissions

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
EMI Receiver	Keysight	N9038A	UCL-2778	12/18/2025	12/18/2026
Pre-Amplifier 9 kHz – 1 GHz	Sonoma Instruments	310N	UCL-2889	7/22/2025	7/22/2026
Broadband Antenna	ETS-Lindgren	3142E	UCL-9782	2/6/2025	2/6/2026
Double Ridge Horn Antenna	Scwarzbeck	BBHA 9120D	UCL-3065	4/2/2025	4/2/2027
Log Periodic	Scwarzbeck	STLP 9129	UCL-3068	2/11/2025	2/4/2027
10 - 40 GHz Horn Antenna	ETS-Lindgren	3116C	UCL-7209	6/6/2024	6/6/2026
1 – 18 GHz Amplifier	Com-Power	PAM 118A	UCL-3833	7/22/2025	7/22/2026
Test Software	Nexio	BatEMC	UCL-5253 & UCL-5249	N/A	N/A

Table 3: List of equipment used for Radiated Emissions

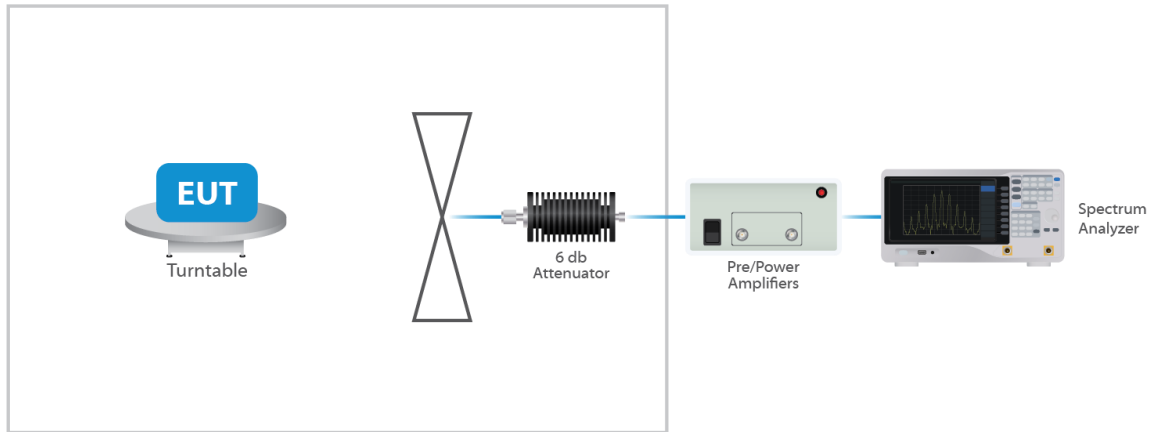


Figure 4: Radiated Emissions Test

4.4 Equipment Calibration

All applicable equipment is calibrated using either an independent calibration laboratory or Unified Compliance Laboratory personnel at intervals defined in ANSI C63.4:2014 following outlined calibration procedures. All measurement instrumentation is traceable to the National Institute of Standards and Technology (NIST). Supporting documentation relative to traceability is on file and is available for examination upon request.

4.5 Measurement Uncertainty

Test	Uncertainty ($\pm$ dB)	Confidence (%)
Conducted Emissions	1.44	95
Radiated Emissions (9 kHz to 30 MHz)	2.50	95
Radiated Emissions (30 MHz to 1 GHz)	4.38	95
Radiated Emissions (1 GHz to 18 GHz)	4.37	95
Radiated Emissions (18 GHz to 40 GHz)	3.93	95
Direct Connect Tests	K Factor	Value
Emissions Bandwidth	2	2.0%
Output Power	2	1.0 dB
Peak Power Spectral Density	2	1.3 dB
Band Edge	2	0.8 dB
Transmitter Spurious Emissions	2	1.8 dB

5 Test Results

5.1 §15.203 Antenna Requirements

The EUT uses an extendable antenna. Per the manufacturer, the Maximum gain of the antenna per chain is 11 dBi. This is an 802.11 device and utilizes CDD as described in KDB 662911 D01. The antenna is not user replaceable.

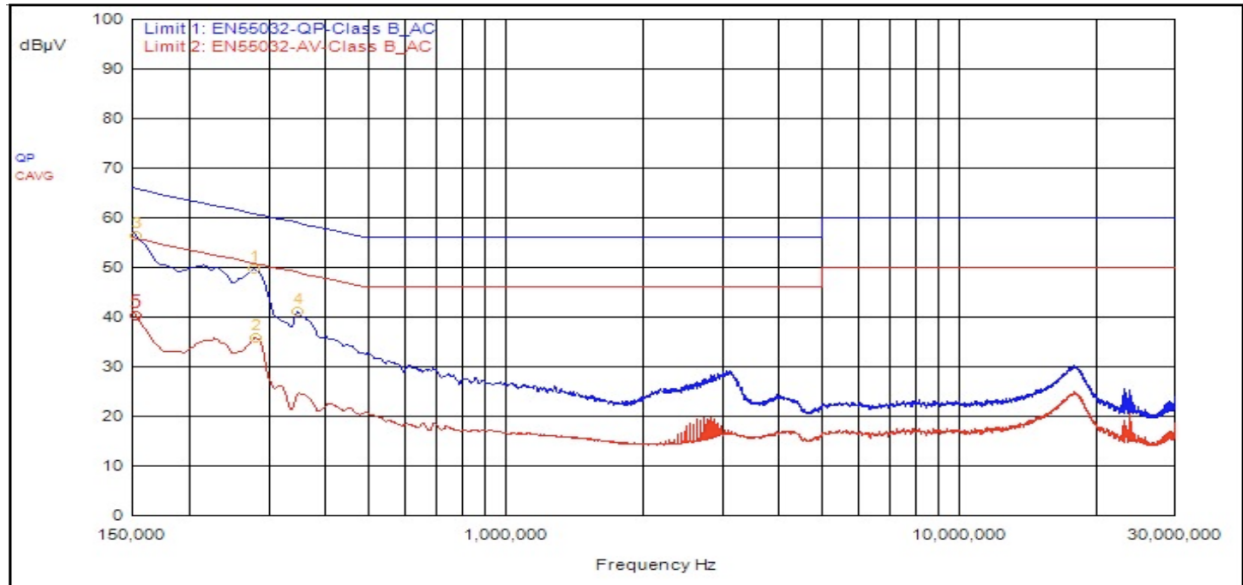
See Section 2.2 for directional gain calculation.

Results

The EUT complied with the specification

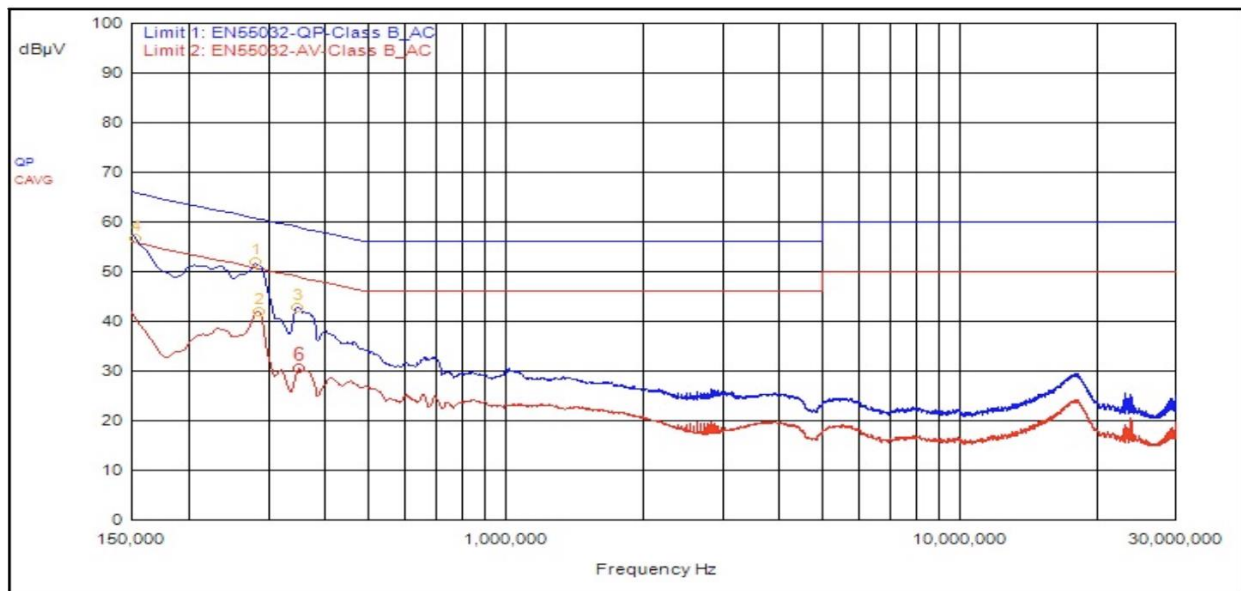
5.2 §15.207 Conducted Emissions at Mains Ports Data

5.2.1 Line



ID	Frequency	Probe	Cable	Atten.	Detector	Meter Read	Meas Level	Limit 1	Limit 1 Dist.	Limit 2	Limit 2 Dist.	P/F
MU	MHz	dB	dB	dB	Type	dBμV	dBμV	dBμV	dB	dBμV	dB	P/F
3	153,000kHz	9.49			QPeak	46.94	56.43	65.84	-9.41			
1	279,000kHz	9.48			QPeak	40.23	49.71	60.85	-11.13			
4	348,000kHz	9.48			QPeak	31.52	41.00	59.01	-18.01			
2	282,000kHz	9.48			C_AVG	26.42	35.90			50.76	-14.86	
5	153,000kHz	9.49			C_AVG	30.72	40.21			55.84	-15.63	

5.2.2 Neutral



ID	Frequency	Probe	Cable	Atten.	Detector	Meter Read	Meas Level	Limit 1	Limit 1 Dist.	Limit 2	Limit 2 Dist.	P/F
MU	MHz	dB	dB	dB	Type	dBμV	dBμV	dBμV	dB	dBμV	dB	P/F
1	282,000kHz	9.63			QPeak	42.18	51.81	60.76	-8.95			
4	153,000kHz	9.62			QPeak	47.18	56.80	65.84	-9.04			
3	348,000kHz	9.63			QPeak	33.03	42.66	59.01	-16.35			
2	285,000kHz	9.63			C_AVG	32.19	41.82			50.67	-8.85	
5	150,000kHz	9.62			C_AVG	32.45	42.07			56.00	-13.93	
6	351,000kHz	9.63			C_AVG	20.86	30.49			48.94	-18.45	

Result

The EUT complied with the specification limit.

5.3 §15.407(a) 26 dB Emissions Bandwidth

All chains were measured under the guidance of KDB 789033 Section II.C. and KDB 662911 D01.

Please see associated annex for details on instrument settings.

Nominal BW (MHz)	Frequency (MHz)	99% Bandwidth (MHz)	Emissions 26 dB Bandwidth (MHz)
OFDM20	5180	16.93	22.50
OFDM20	5210	17.08	22.50
OFDM20	540	16.93	22.35
EHT20	5180	19.18	22.50
EHT20	5210	19.18	23.40
EHT20	5240	17.08	22.65
EHT40	5190	38.00	43.50
EHT40	5230	38.25	42.75
EHT80	5210	77.50	87.50

Result

All chains were tested and the highest bandwidth per chain is reported above. Please see Annex for all bandwidth measurements.

5.4 §15.407(a) Maximum Average Output Power

All chains were measured and summed under the guidance of KDB 789033 Section II. E.2. and KDB 662911 D01. Please see associated annex for details on instrument settings.

The maximum average RF conducted output power measured for this device was 24.25 dBm or 266.07 mW. The limit is 30 dBm, or 1 Watt when using an antenna with 6 dBi (indoor/outdoor access point) or less gain. The antenna has a gain of 11 dBi.

See Section 2.2 for directional gain calculation.

Nss>1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5180	Mcs0_Nss2	19	20.07	11	31.07	36	-4.93
OFDM 20	5210	Mcs0_Nss2	23	24.05	11	35.05	36	-0.95
OFDM 20	5240	Mcs0_Nss2	23	24.11	11	35.11	36	-0.89
EHT 20	5180	Mcs0_Nss2	18	19.41	11	30.41	36	-5.59
EHT 20	5210	Mcs0_Nss2	23	24.12	11	35.12	36	-0.88
EHT 20	5240	Mcs0_Nss2	24	24.08	11	35.08	36	-0.92
EHT 40	5190	Mcs0_Nss2	16	16.97	11	27.97	36	-8.03
EHT 40	5230	Mcs0_Nss2	23	24.25	11	35.25	36	-0.75
EHT 80	5210	Mcs0_Nss2	15	16.26	11	27.26	36	-8.74

Nss=1

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5180	Mcs0_Nss1	15	16.07	11	27.07	36	-8.93
OFDM 20	5210	Mcs0_Nss1	15	16.05	11	27.05	36	-8.95
OFDM 20	5240	Mcs0_Nss1	15	16.11	11	27.11	36	-8.89
EHT 20	5180	Mcs0_Nss1	15	16.41	11	27.41	36	-8.59
EHT 20	5210	Mcs0_Nss1	15	16.12	11	27.12	36	-8.88
EHT 20	5240	Mcs0_Nss1	16	16.08	11	27.08	36	-8.92
EHT 40	5190	Mcs0_Nss1	16	16.97	11	27.97	36	-8.03
EHT 40	5230	Mcs0_Nss1	18	19.25	11	30.25	36	-5.75
EHT 80	5210	Mcs0_Nss1	15	16.26	11	27.26	36	-8.74

Canada

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Total Summed Output Power* (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dBm)
OFDM 20	5180	Mcs0_Nss2	10	11.09	11	22.09	23	-0.91
OFDM 20	5210	Mcs0_Nss2	10	11.02	11	22.02	23	-0.98
OFDM 20	5240	Mcs0_Nss2	10	10.97	11	21.97	23	-1.03
EHT 20	5180	Mcs0_Nss2	10	11.13	11	22.13	23	-0.87
EHT 20	5210	Mcs0_Nss2	10	11.14	11	22.14	23	-0.86
EHT 20	5240	Mcs0_Nss2	10	11.10	11	22.10	23	-0.90
EHT 40	5190	Mcs0_Nss2	10	11.86	11	22.86	23	-0.14
EHT 40	5230	Mcs0_Nss2	10	11.11	11	22.11	23	-0.89
EHT 80	5210	Mcs0_Nss2	10	11.02	11	22.02	23	-0.98

Result

In the configuration tested, the maximum summed average RF output power was less than 1 watt; therefore, the EUT complied with the requirements of the specification (see spectrum analyzer plots in attached Annex).

5.5 §15.209 Spurious Emissions

5.5.1 Radiated Spurious Emissions in the Restricted Bands of § 15.205

The EUT uses various power settings based on the channel in use. In order to reduce test time, the radiated spurious emissions at the lowest, middle, and highest channel were measured at the maximum power of TP31, as this setting was found to be worst case for spurious emissions. Power was subsequently reduced during in-band and band edge testing. The band edge at the restricted band ending at 5150 MHz was measured using radiated measurement. All emissions modes were tested, and the worst-case measurement are shown below. For frequencies above 1 GHz, a measurement of 3 meters was used. For frequencies below 1 GHz, a measurement distance of 10 meters was used.

Correction Factor = Antenna Factor (dBi) + Cable Loss (dB) - Pre-Amplifier Gain (dB), and is added to the Receiver reading.

Result

All emissions in the restricted bands of § 15.205 met the limits specified in § 15.209; therefore, the EUT complies with the specification. All emissions met the limits specified in § 15.407(b). Representative band edge plots are included in this report.

Frequency	SR #	Level (dBµV/m)	Limit (dBµV/m)	Margin	Azimuth (°)	Height	Pol.	Correction (dB)
62.855 MHz	QP	27.167	30	-2.833	277	3.22	Vertical	-14.008
148.26 MHz	QP	12.233	30	-17.767	229	2.93	Vertical	-17.343
149.42 MHz	QP	24.983	30	-5.017	261	1.02	Vertical	-17.339
156.84 MHz	QP	23.679	30	-6.321	351	1.02	Vertical	-17.018
179.27 MHz	QP	23.584	30	-6.416	21	1.11	Vertical	-15.915
63.051 MHz	QP	20.574	30	-9.426	22	4	Horizontal	-14.072
149.12 MHz	QP	25.729	30	-4.271	346	3.46	Horizontal	-17.34
156.18 MHz	QP	25.068	30	-4.932	335	3.95	Horizontal	-17.02

Table 4: Radiated Emissions within 30-1000MHz

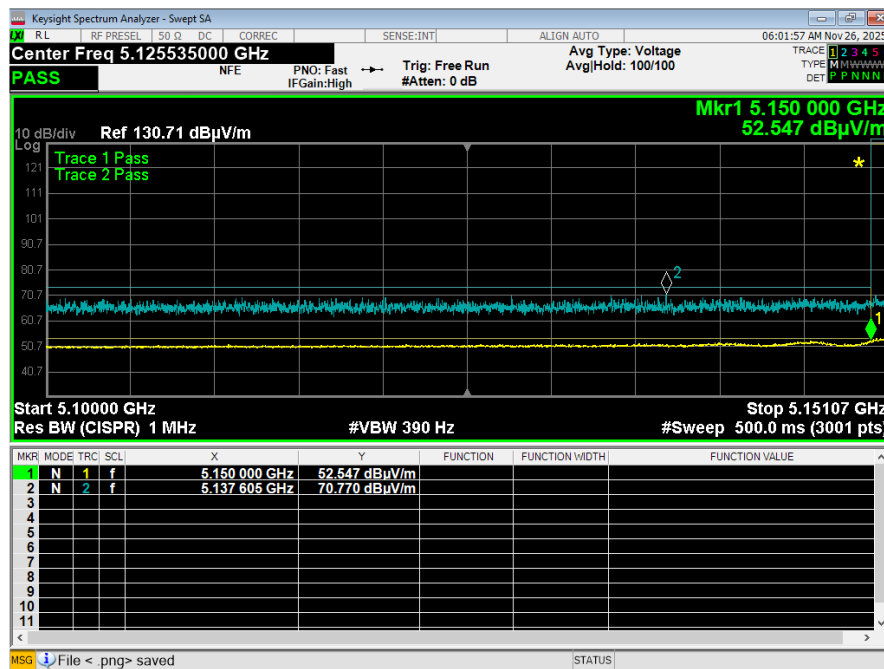
Frequency	SR #	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
8.336 GHz	Peak	48.601	74	-25.399	96	2.645	Vertical	1.274
10.418 GHz	Peak	51.213	74	-22.787	221	1.638	Vertical	6.725
8.336 GHz	AVG	39.459	54	-14.541	96	2.645	Vertical	1.274
10.418 GHz	AVG	38.153	54	-15.847	221	1.638	Vertical	6.725
11.53 GHz	Peak	51.731	74	-22.269	309	1.643	Horizontal	7.964
14.594 GHz	Peak	55.435	74	-18.565	319	4	Horizontal	11.796
15.613 GHz	Peak	54.896	74	-19.104	271	1.5	Horizontal	9.183
11.53 GHz	AVG	38.697	54	-15.303	309	1.643	Horizontal	7.964
14.594 GHz	AVG	42.41	54	-11.59	319	4	Horizontal	11.796
15.613 GHz	AVG	40.464	54	-13.536	271	1.5	Horizontal	9.183

Table 5: Radiated Emissions within 1-17GHz Transmitting on Middle Frequency 5210 MHz

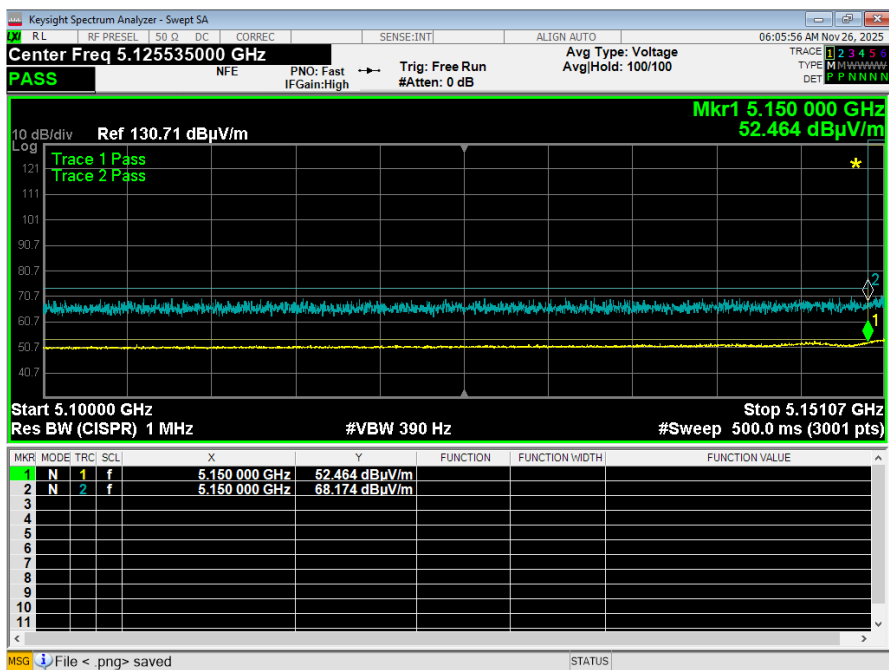
Frequency	SR #	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
16.5759918 GHz	Peak	54.657	74	-19.343	245	Vertical	3.315
20.7339619 GHz	Peak	54.616	74	-19.384	100	Vertical	1.087
39.6482972 GHz	Peak	59.184	74	-14.816	222	Vertical	6.346
16.5759918 GHz	AVG	41.678	54	-12.322	245	Vertical	3.315
20.7339619 GHz	AVG	40.602	54	-13.398	100	Vertical	1.087
39.6482972 GHz	AVG	42.722	54	-11.278	222	Vertical	6.346
16.555955 GHz	Peak	54.052	74	-19.948	286	Horizontal	3.232
20.7137392 GHz	Peak	55.07	74	-18.93	319	Horizontal	0.853
25.8943069 GHz	Peak	56.958	74	-17.042	3	Horizontal	3.346
39.0082814 GHz	Peak	58.803	74	-15.197	306	Horizontal	5.962
16.555955 GHz	AVG	40.357	54	-13.643	286	Horizontal	3.232
20.7137392 GHz	AVG	41.066	54	-12.934	319	Horizontal	0.853
25.8943069 GHz	AVG	42.94	54	-11.06	3	Horizontal	3.346
39.0082814 GHz	AVG	42.378	54	-11.622	306	Horizontal	5.962

Table 6: Radiated Emissions within 17-40GHz Transmitting on Middle Frequency 5210 MHz

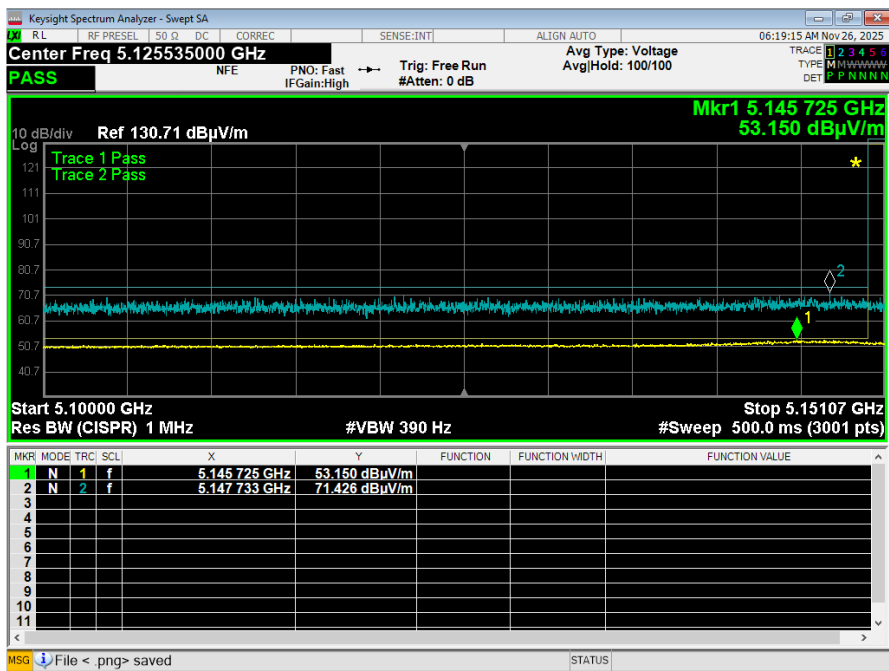
5.5.2 Band Edge



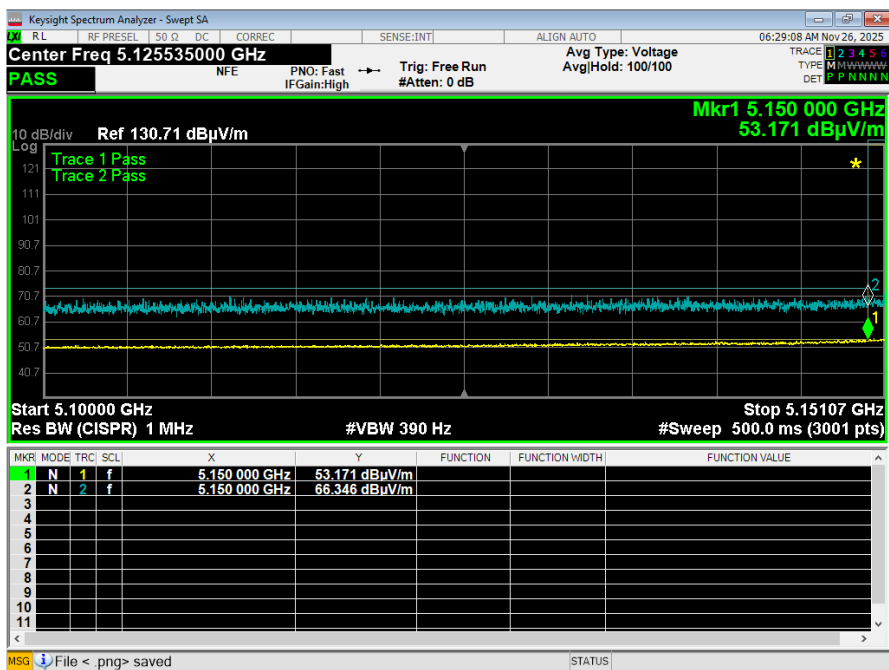
Graph 1: Band Edge Low a Mode 20 MHz



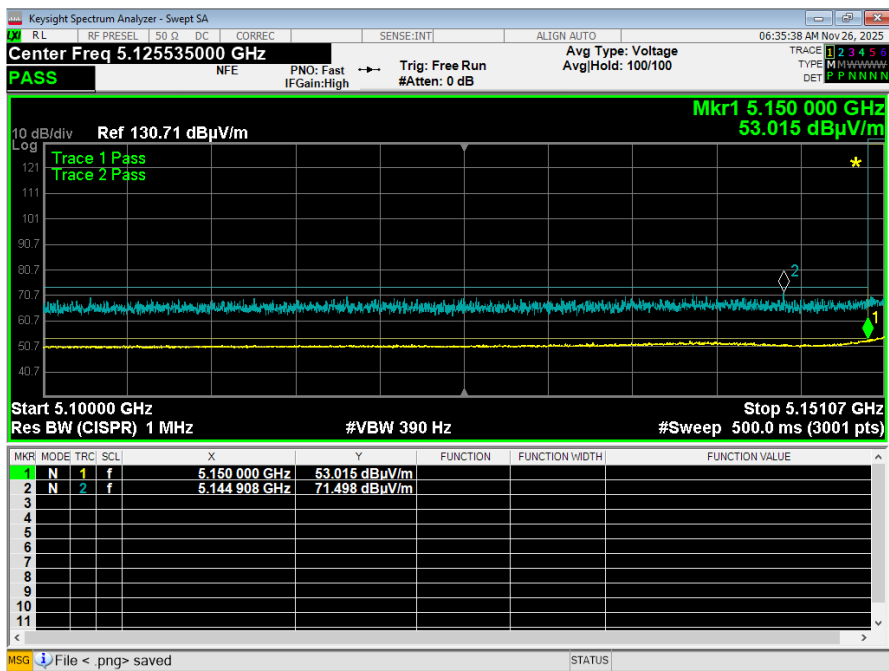
Graph 2: Band Edge High a Mode 20 MHz



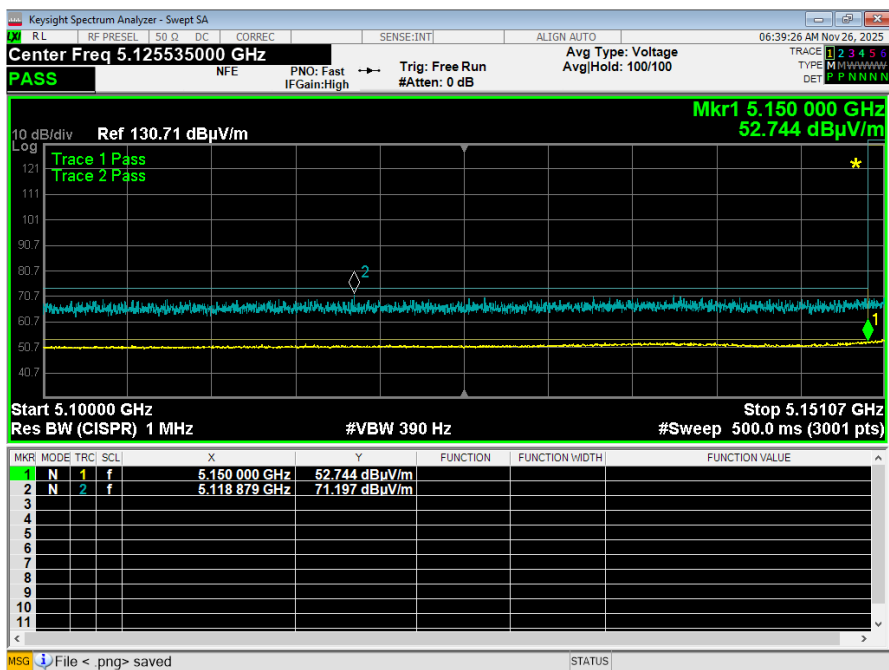
Graph 3: Band Edge Low be Mode 20 MHz



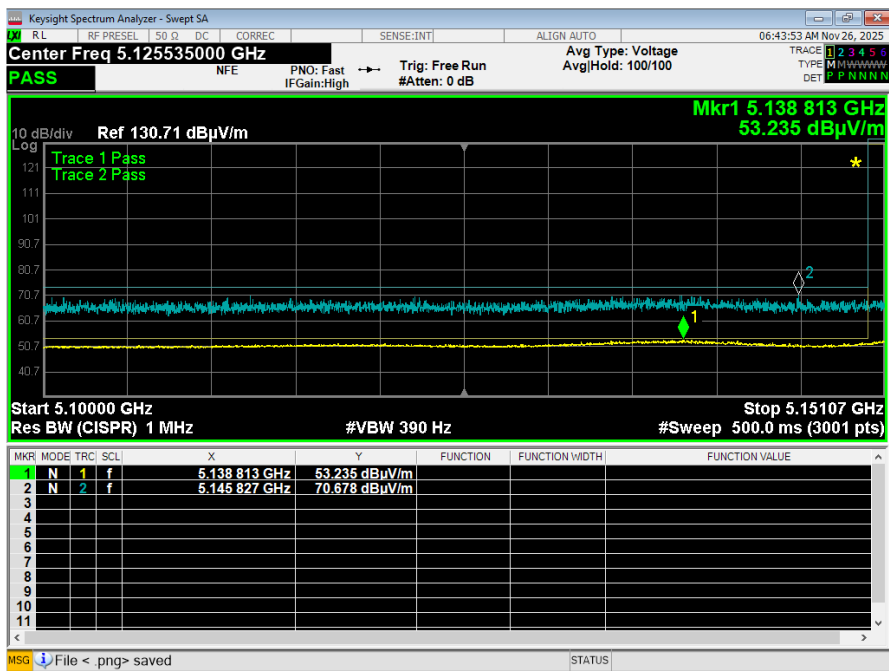
Graph 4: Band Edge High be Mode 20 MHz



Graph 5: Band Edge Low be Mode 40 MHz



Graph 6: Band Edge High be Mode 40 MHz



Graph 7: Band Edge be Mode 80 MHz

5.6 §15.407(a) Maximum Power Spectral Density

All chains were measured and summed under the guidance of KDB 789033 Section II. F. and KDB 662911 D01. Please see associated annex for details on instrument settings.

The maximum average power spectral density conducted from the intentional radiator of the antenna shall not be greater than 17 dBm in any 1 MHz band during any time interval of continuous transmission.

See Section 2.2 for directional gain calculation.

Results of this testing are summarized.

Nss>1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5180	Mcs0_Nss2	19	7.84	11	12	-4.16
OFDM 20	5210	Mcs0_Nss2	23	11.84	11	12	-0.16
OFDM 20	5240	Mcs0_Nss2	23	11.87	11	12	-0.13
EHT 20	5180	Mcs0_Nss2	18	6.71	11	12	-5.29
EHT 20	5210	Mcs0_Nss2	23	11.35	11	12	-0.65
EHT 20	5240	Mcs0_Nss2	24	11.86	11	12	-0.14
EHT 40	5190	Mcs0_Nss2	16	1.26	11	12	-10.74
EHT 40	5230	Mcs0_Nss2	23	8.48	11	12	-3.52
EHT 80	5210	Mcs0_Nss2	15	-2.63	11	12	-14.63

Nss=1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5180	Mcs0_Nss1	15	3.84	11	3.99	-0.15
OFDM 20	5210	Mcs0_Nss1	15	3.84	11	3.99	-0.15
OFDM 20	5240	Mcs0_Nss1	15	3.87	11	3.99	-0.12
EHT 20	5180	Mcs0_Nss1	15	3.71	11	3.99	-0.18
EHT 20	5210	Mcs0_Nss1	15	3.35	11	3.99	-0.64
EHT 20	5240	Mcs0_Nss1	16	3.86	11	3.99	-0.13
EHT 40	5190	Mcs0_Nss1	16	1.26	11	3.99	-2.73
EHT 40	5230	Mcs0_Nss1	18	3.48	11	3.99	-0.51
EHT 80	5210	Mcs0_Nss1	15	-2.63	11	3.99	-6.62

Canada

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5180	Mcs0_Nss1	10	-1.31	11	-1	-2.31
OFDM 20	5210	Mcs0_Nss1	10	-1.22	11	-1	-2.22
OFDM 20	5240	Mcs0_Nss1	10	-1.43	11	-1	-2.43
EHT 20	5180	Mcs0_Nss1	10	-1.90	11	-1	-2.90
EHT 20	5210	Mcs0_Nss1	10	-1.65	11	-1	-2.65
EHT 20	5240	Mcs0_Nss1	10	-1.79	11	-1	-2.79
EHT 40	5190	Mcs0_Nss1	10	-3.80	11	-1	-4.80
EHT 40	5230	Mcs0_Nss1	10	-4.88	11	-1	-5.88
EHT 80	5210	Mcs0_Nss1	10	-7.85	11	-1	-8.85

Result

The maximum summed average power spectral density was less than the limit of 17 dBm; therefore, the EUT complies with the specification.

-- End of Test Report --