



427 West 12800 South
Draper, UT 84020

Test Report Certification

FCC ID	SWX-UDBS
ISED ID	6545A-UDBS
Equipment Under Test	UDB-Switch
Test Report Serial Number	TR10313_02
Date of Test(s)	13 September 2024; 20, 26 - 27 March; 27 May; 13, 19 - 20 August; 1 October 2025
Report Issue Date	7 October 2025

Test Specification	Applicant
47 CFR FCC Part 15, Subpart E	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.



Certification of Engineering Report

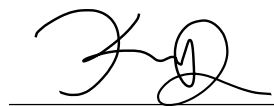
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Applicant	Ubiquiti Inc.
Manufacturer	Ubiquiti Inc.
Brand Name	UBIQUITI
Model Number	UDB-Switch
FCC ID	SWX-UDBS
ISED ID	6545A-UDBS

On this 7th day of October 2025, 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: Joseph W. Jackson
Reviewed By: Kimberly DeBole

Revision History		
Revision	Description	Date
01	Original Report Release	10/7/2025
02	Amended Sections 2.2, 2.6 and 5.7	11/12/2025

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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	UDB-Switch
Serial Number	05B1B5
Dimensions (cm)	21.3 x 11.3 x 3.3

2.2 Description of EUT

The UDB-Switch is a compact PoE+ switch with one (1) 10 GbE port and seven (7) 2.5 GbE ports. The UDB-Switch has 2x2 5GHz and 2x2 6 GHz dual-band WiFi 7 transmitters with a wireless uplink of up to 8.4 Gbps capacity. The UDB-Switch is an indoor client device and is powered from a 54 volts DC power adapter with 60 watts' capacity.

This device does not support channel puncturing.

For CDD transmission, direction 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 $3.01 \text{ dB} + 8 \text{ dBi} = 11.01 \text{ dBi}$.

The UDB-Switch uses Transmit Power (TP) Control protocol and is included in the power tables of Section 5.4.

Band	Modulation Bandwidth	Frequency (MHz)
UNII-2A	20 MHz	5260, 5265, 5270, 5275, 5280, 5285, 5290, 5295, 5300, 5305, 5310, 5315, 5320
	40 MHz	5270, 5275, 5280, 5285, 5290, 5295, 5300, 5305, 5310
	80 MHz	5290
	160 MHz	5250
UNII-2C	20 MHz	5500, 5505, 5510, 5515, 5520, 5525, 5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600, 5605, 5610, 5615, 5620, 5625, 5630, 5635, 5640, 5645, 5650, 5655, 5660,

		5665, 5670, 5675, 5680, 5685, 5690, 5695, 5700, 5705, 5710, 5715, 5720
	40 MHz	5510, 5515, 5520, 5525, 5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600, 5605, 5610, 5615, 5620, 5625, 5630, 5635, 5640, 5645, 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685, 5690, 5695, 5700, 5705, 5710
	80 MHz	5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600, 5605, 5610, 5615, 5620, 5625, 5630, 5635, 5640, 5645, 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685, 5690
	160 MHz	5570

Table 1: UNII-2A and UNII-2C Channel Settings

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.

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: UDB-Switch (Note 1) SN: 05B1B5	WiFi Switch	See Section 2.4
BN: UBIQUITI MN: ADS-60SH-54-354060E SN: N/A	Power Adapter	2 Conductor power cord to AC mains/80cm
BN: Dell MN: XPS 13 SN: N/A	Laptop Personal Computer	Unshielded Cat 5e cable/1 meters

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
AC (PoE Injector)	1	3 Conductor power cord to AC mains/80cm
LAN (PoE Injector)	8	unshielded Cat 5e cable/1 meters

2.5 Operating Environment

Power Supply	120 Volts AC Mains to 54 Volts DC
AC Mains Frequency	60 Hz
Temperature	21.3 - 24.3 °C
Humidity	25.7 - 31.1 %
Barometric Pressure	1009 mBar

2.6 Operating Modes

The UDB-Switch 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 802.11 a/b/e were investigated. All measurements are reported with the worst-case mode (802.11b/e 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

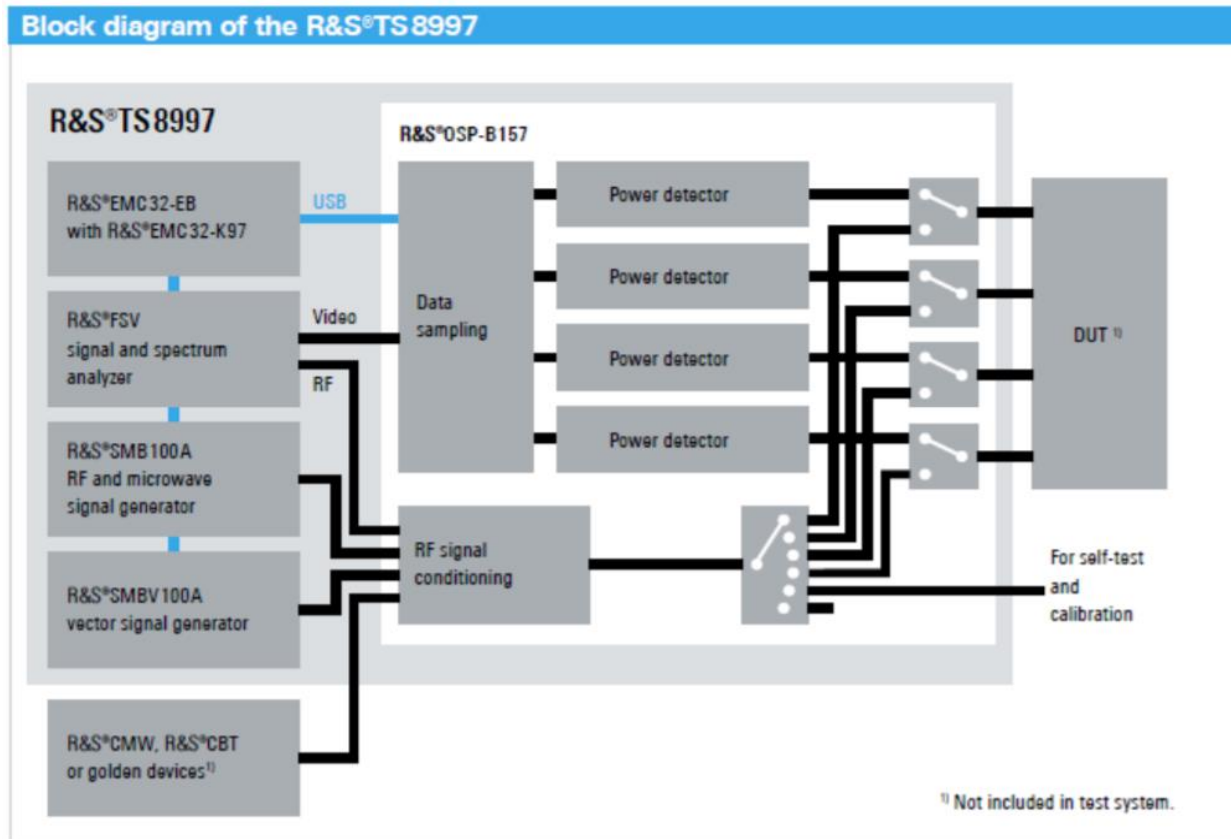


Diagram 1: Test Configuration Block Diagram

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	5260 to 5720	Compliant
15.407(a)	RSS-247 §6.2.2, §6.2.3	Peak Output Power	5260 to 5720	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	5260 to 5720	Compliant
15.407(h)	RSS-247 §6.3	DFS Requirements	5260 to 5720	Compliant

The testing was performed according to the procedures in ANSI C63.10-2013, KDB 558074 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 Designation Number US5037 by the FCC 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-6754	2/27/2025	2/27/2026
LISN	AFJ	LS16C/10	UCL-6749	3/3/2025	3/3/2026
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 2: List of equipment used for Conducted Emissions Testing at Mains Port

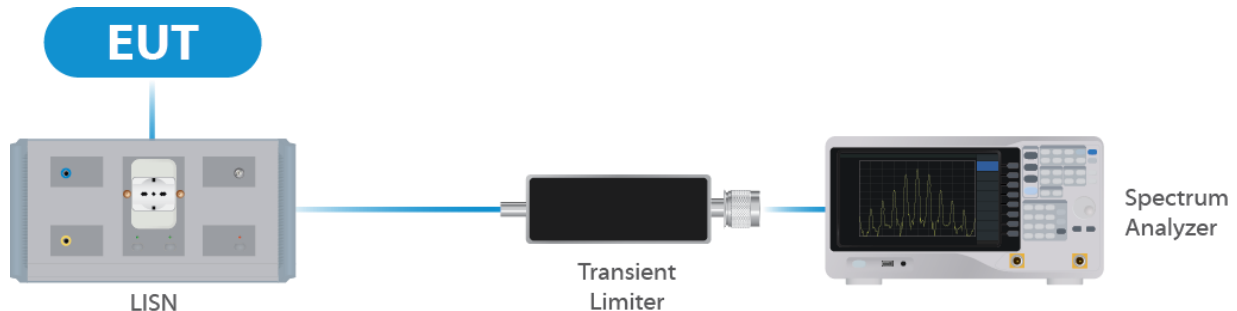


Figure 1: Conducted Emissions Test

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	1/16/2026
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	1/16/2026
Switch Extension	R&S	OSP-150W	UCL-2870	4/28/2025	1/16/2026
Test Software	R&S	EMC32	UCL-9442	--	--

Table 3: List of equipment used for Direct Connect at the Antenna Port

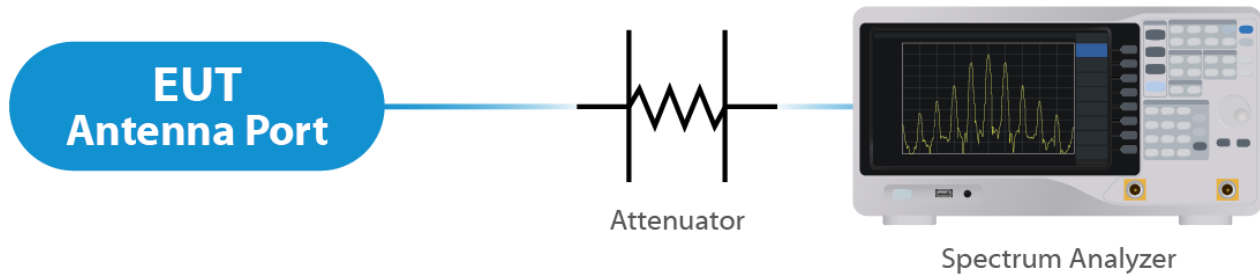


Figure 2: Direct Connect at the Antenna Port Test



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	12/27/2024	12/27/2025
Pre-Amplifier 9 kHz – 1 GHz	Sonoma Instruments	310N	UCL-2889	1/19/2024	1/19/2026
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 4: List of equipment used for Radiated Emissions

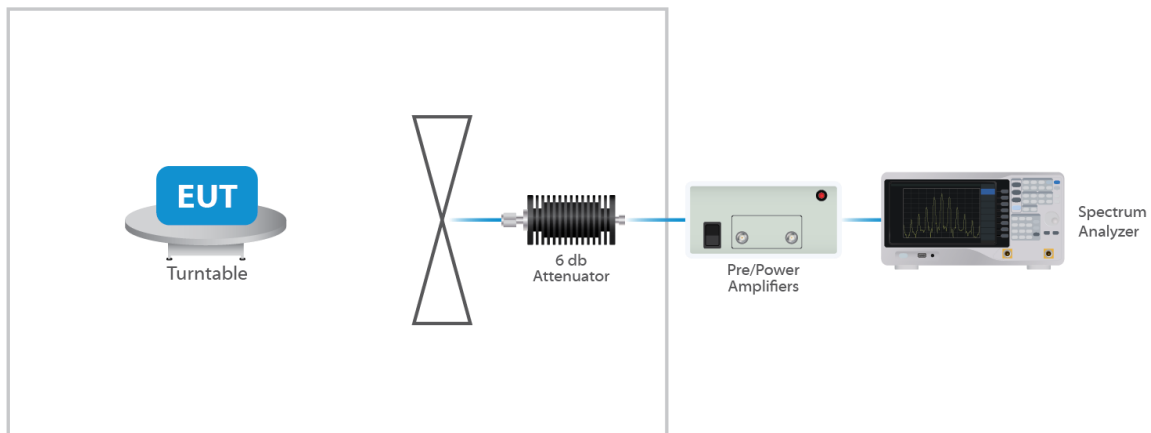
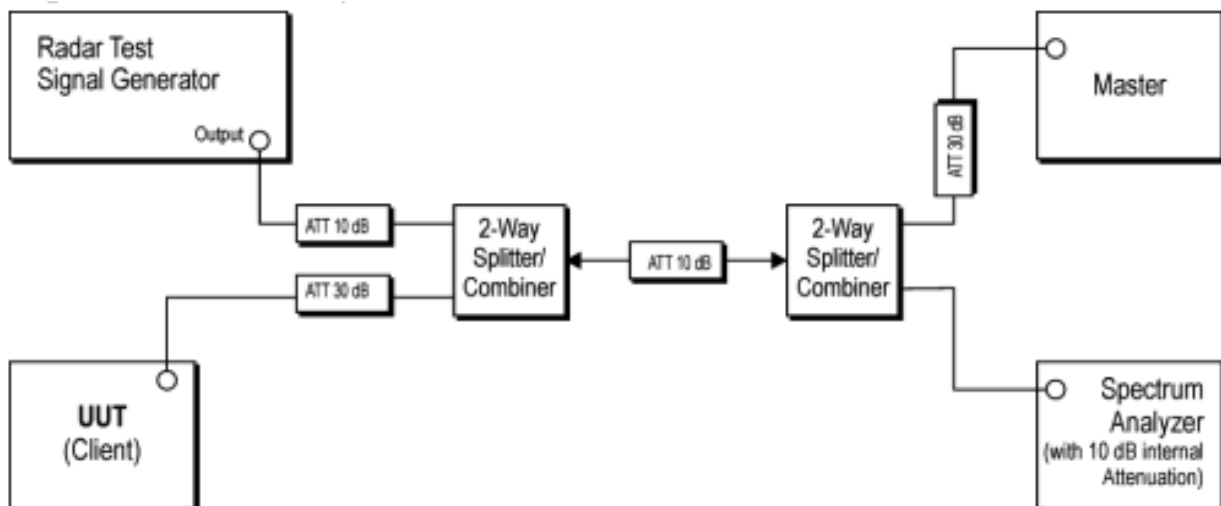


Figure 4: Radiated Emissions Test

4.4 DFS Testing

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
Vector Signal Generator	R&S	SMBV100A	UCL-2873	N/A	N/A
Spectrum Analyzer	Keysight	N9010B	UCL-7069	5/20/2025	5/20/2026

4.4.1 Client Test Set Up



4.5 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.

4.6 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 internal integral antenna. Per the manufacturer, the Maximum gain of the antenna per chain is 8 dBi. This is an 802.11 device and utilizes CDD as described in KDB 662911 D01. The antenna is not user replaceable.

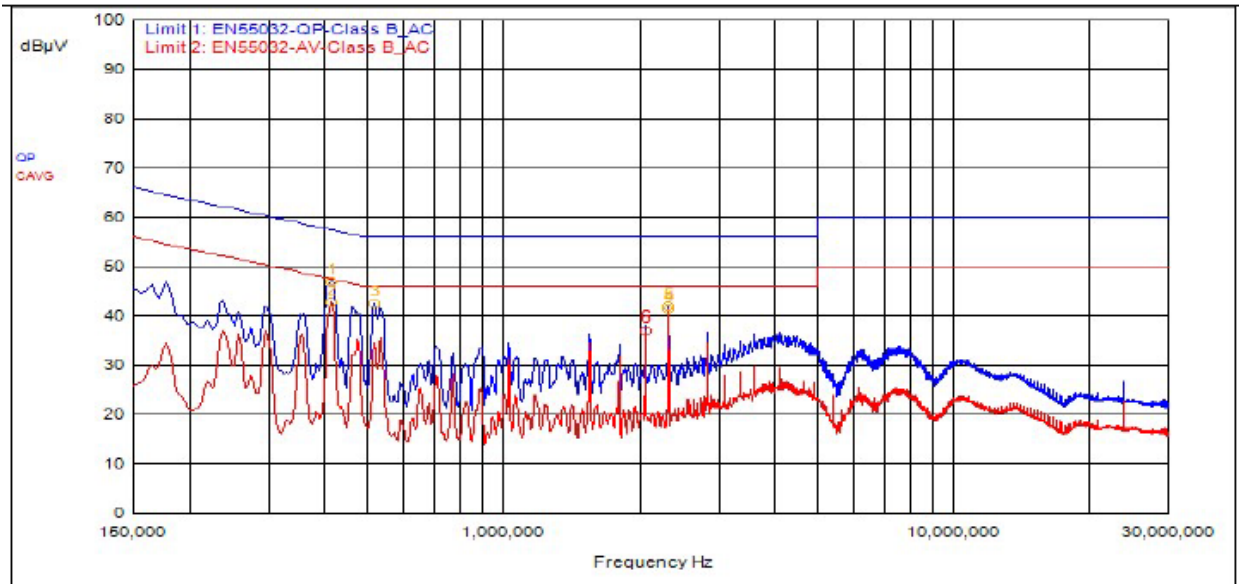
See Section 2.2 for directional gain calculation.

Results

The EUT complied with the specification

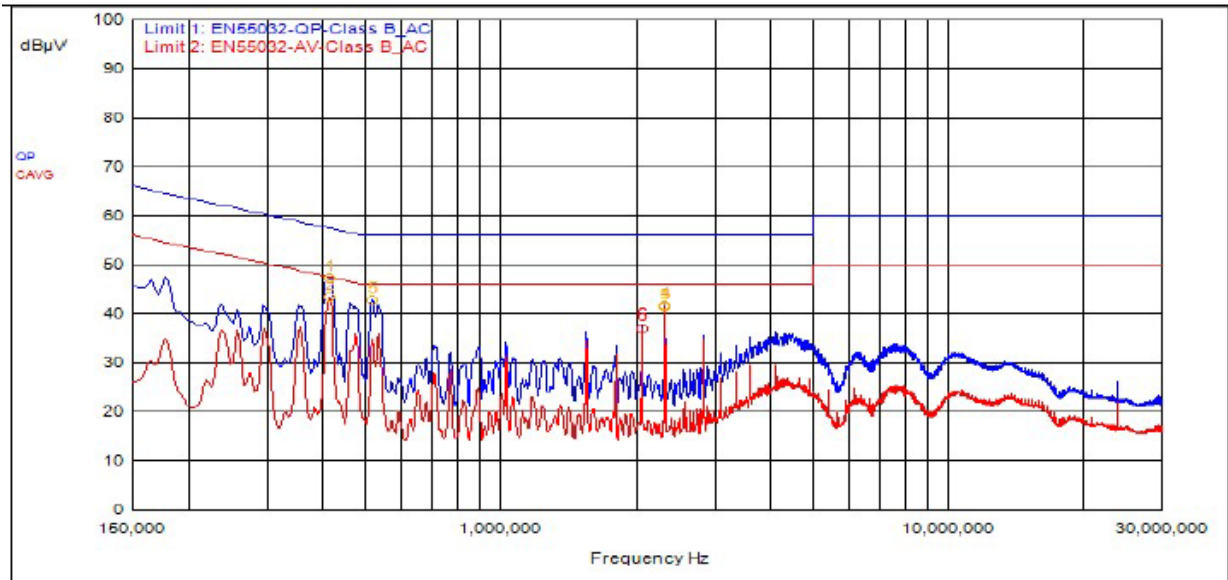
5.2 Conducted Emissions at Mains Ports Data

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
1	414,000kHz	9.49			QPeak	37.35	46.84	57.57	-10.72			
3	516,000kHz	9.49			QPeak	32.89	42.38	56.00	-13.62			
5	2.322	9.59			QPeak	32.35	41.94	56.00	-14.06			
2	414,000kHz	9.49			C_AVG	33.35	42.84			47.57	-4.73	
4	2.322	9.59			C_AVG	31.75	41.34			46.00	-4.66	
6	2.064	9.60			C_AVG	27.36	36.96			46.00	-9.04	

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	414,000kHz	9.64			QPeak	37.64	47.28	57.57	-10.29			
5	516,000kHz	9.63			QPeak	33.06	42.69	56.00	-13.31			
4	2.322	9.57			QPeak	32.20	41.77	56.00	-14.23			
2	414,000kHz	9.64			C_AVG	33.69	43.33			47.57	-4.24	
3	2.322	9.57			C_AVG	31.93	41.50			46.00	-4.50	
6	2.064	9.57			C_AVG	27.49	37.06			46.00	-8.94	

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.

5.3.1 UNII-2A

Bandwidth	Frequency (MHz)	99% Bandwidth (MHz)	Emissions 26 dB Bandwidth (MHz)
OFDM 20	5260	16.9	22.5
OFDM 20	5280	17.1	22.7
OFDM 20	5320	16.9	23.3
EHT 20	5260	19.2	23.0
EHT 20	5280	19.2	23.0
EHT 20	5320	19.3	23.0
EHT 40	5270	38.3	43.8
EHT 40	5310	38.3	44.3
EHT 80	5290	78.5	89.5
EHT 160	5250	158.0	174.0

5.3.2 UNII-2C

Bandwidth	Frequency (MHz)	99% Bandwidth (MHz)	Emissions 26 dB Bandwidth (MHz)
OFDM 20	5500	17.1	22.5
OFDM 20	5600	16.9	22.7
OFDM 20	5720	16.9	22.7
EHT 20	5500	19.2	23.4
EHT 20	5600	19.2	22.8
EHT 20	5720	19.3	23.1
EHT 40	5510	38.3	44.3
EHT 40	5590	38.0	42.8
EHT 40	5710	38.3	44.5
EHT 80	5530	78.0	89.5
EHT 80	5610	78.0	87.5
EHT 80	5690	78.0	88.0
EHT 160	5570	157.0	177.0
EHT 240	5610	240.0	462.5

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)(2) 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.

See Section 2.2 for directional gain calculation.

The maximum average RF conducted output power measured for this device was 21.80 dBm or 151.36 mW. The limit is 24 dBm or 250 mW (adjusted limit of 22 dBm or 158.49 mW) using antennas with 6 dBi or less gain. The antenna has a maximum gain of 8 dBi.

5.4.1 UNII-2A

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	5260	Mcs0_Nss2	21	20.77	8	28.77	30	-1.23
OFDM 20	5280	Mcs0_Nss2	21	20.61	8	28.61	30	-1.39
OFDM 20	5320	Mcs0_Nss2	20	20.85	8	28.85	30	-1.15
EHT 20	5260	Mcs0_Nss2	22	21.80	8	29.80	30	-0.20
EHT 20	5280	Mcs0_Nss2	22	21.73	8	29.73	30	-0.27
EHT 20	5320	Mcs0_Nss2	20	20.97	8	28.97	30	-1.03
EHT 40	5270	Mcs0_Nss2	22	21.73	8	29.73	30	-0.27
EHT 40	5310	Mcs0_Nss2	21	21.64	8	29.64	30	-0.36
EHT 80	5290	Mcs0_Nss2	21	21.04	8	29.04	30	-0.96
EHT 160	5250	Mcs0_Nss2	21	20.95	8	28.95	30	-1.05

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	5260	Mcs0_Nss1	18	17.77	8	25.77	30	-4.23
OFDM 20	5280	Mcs0_Nss1	18	17.61	8	25.61	30	-4.39
OFDM 20	5320	Mcs0_Nss1	17	17.85	8	25.85	30	-4.15
EHT 20	5260	Mcs0_Nss1	19	18.80	8	26.80	30	-3.20
EHT 20	5280	Mcs0_Nss1	19	18.73	8	26.73	30	-3.27
EHT 20	5320	Mcs0_Nss1	18	18.97	8	26.97	30	-3.03
EHT 40	5270	Mcs0_Nss1	22	21.73	8	29.73	30	-0.27
EHT 40	5310	Mcs0_Nss1	21	21.64	8	29.64	30	-0.36
EHT 80	5290	Mcs0_Nss1	21	21.04	8	29.04	30	-0.96
EHT 160	5250	Mcs0_Nss1	21	20.95	8	28.95	30	-1.05

5.4.2 UNII-2C

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	5500	Mcs0_Nss2	20	21.11	8	29.11	30	-0.89
OFDM 20	5600	Mcs0_Nss2	19	20.51	8	28.51	30	-1.49
OFDM 20	5720	Mcs0_Nss2	21	20.18	8	28.18	30	-1.82
EHT 20	5500	Mcs0_Nss2	20	21.24	8	29.24	30	-0.76
EHT 20	5600	Mcs0_Nss2	19	20.57	8	28.57	30	-1.43
EHT 20	5720	Mcs0_Nss2	21	20.37	8	28.37	30	-1.63
EHT 40	5510	Mcs0_Nss2	20	21.14	8	29.14	30	-0.86
EHT 40	5590	Mcs0_Nss2	20	21.50	8	29.50	30	-0.50
EHT 40	5710	Mcs0_Nss2	22	21.23	8	29.23	30	-0.77
EHT 80	5530	Mcs0_Nss2	20	21.43	8	29.43	30	-0.57
EHT 80	5610	Mcs0_Nss2	20	21.31	8	29.31	30	-0.69
EHT 80	5690	Mcs0_Nss2	22	21.30	8	29.30	30	-0.70
EHT 160	5570	Mcs0_Nss2	20	21.61	8	29.61	30	-0.39
EHT 240	5610	Mcs0_Nss2	20	21.59	8	29.59	30	-0.41

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	5500	Mcs0_Nss1	17	18.11	8	26.11	30	-3.89
OFDM 20	5600	Mcs0_Nss1	16	17.51	8	25.51	30	-4.49
OFDM 20	5720	Mcs0_Nss1	18	17.18	8	25.18	30	-4.82
EHT 20	5500	Mcs0_Nss1	17	18.24	8	26.24	30	-3.76
EHT 20	5600	Mcs0_Nss1	16	17.57	8	25.57	30	-4.43
EHT 20	5720	Mcs0_Nss1	19	18.37	8	26.37	30	-3.63
EHT 40	5510	Mcs0_Nss1	20	21.14	8	29.14	30	-0.86
EHT 40	5590	Mcs0_Nss1	20	21.50	8	29.50	30	-0.50
EHT 40	5710	Mcs0_Nss1	22	21.23	8	29.23	30	-0.77
EHT 80	5530	Mcs0_Nss1	20	21.43	8	29.43	30	-0.57
EHT 80	5610	Mcs0_Nss1	20	21.31	8	29.31	30	-0.69
EHT 80	5690	Mcs0_Nss1	22	21.30	8	29.30	30	-0.70
EHT 160	5570	Mcs0_Nss1	20	21.61	8	29.61	30	-0.39
EHT 240	5610	Mcs0_Nss2	20	21.59	8	29.59	30	-0.41

Result

In the configuration tested, the maximum average RF output power was less than 0.250 watt; therefore, the EUT complied with the requirements of the specification.

* Gated EIRP shown in the Annex is the conducted measurement.

5.5 §15.407(b) Spurious Emissions

5.5.1 Radiated Spurious Emissions in the Restricted Bands of § 15.205

The frequency range from the lowest frequency generated or used in the device to the tenth harmonic of the highest fundamental emissions was investigated to measure any radiated emissions in the restricted bands. For frequencies above 18.0 GHz. The emissions in the restricted bans must meet the limits specified in § 15.209. Conducted measurement results are included in the Annex. Radiated data with the EUT transmitting into a load is included below. All emissions between the required frequencies were investigated, the following plots represent the worst case. The “fail” is the transmitted signal exceeding the spurious limit.

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

5.5.2 UNII-2A

QuasiPeak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin	Azimuth (°)	Height	Pol.	Correction (dB)
32.22 MHz	37.75	40	-2.25	202	1.64	Vertical	-10.97
35.86 MHz	39.92	40	-0.28	324	1.13	Vertical	-10.09
38.61 MHz	36.77	40	-3.23	327	1.13	Vertical	-9.21
41.85 MHz	36.46	40	-3.54	28	1.13	Vertical	-8.43
101.59 MHz	35.27	40	-4.73	307	1.13	Vertical	-8.93
129.84 MHz	31.52	40	-8.48	229	1.13	Vertical	-12.48
No significant emissions were observed in the Horizontal orientation of the antenna							

Table 5: Radiated Emissions 30 – 1000 MHz

Peak

Frequency	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.31 GHz	60.13	74.0	-13.87	81	1.5	Vertical	11.38
14.70 GHz	59.63	74.0	-14.37	164	4	Vertical	15.11
16.18 GHz	59.53	74.0	-14.47	341	3.307	Vertical	14.60
10.31 GHz	59.67	74.0	-14.33	101	3.307	Horizontal	11.38
12.38 GHz	59.00	74.0	-15.00	202	4	Horizontal	13.88
15.77 GHz	60.37	74.0	-13.63	260	3.802	Horizontal	12.71
16.17 GHz	59.08	74.0	-14.92	277	3.798	Horizontal	14.52

Avg

Frequency	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.31 GHz	51.64	54.0	-2.36	81	1.5	Vertical	11.38
14.70 GHz	46.65	54.0	-7.35	164	4	Vertical	15.11
16.18 GHz	45.93	54.0	-8.07	341	3.307	Vertical	14.60
10.31 GHz	50.39	54.0	-3.61	101	3.307	Horizontal	11.38
12.38 GHz	45.06	54.0	-8.94	202	4	Horizontal	13.88
15.77 GHz	46.85	54.0	-7.15	260	3.802	Horizontal	12.71
16.17 GHz	45.85	54.0	-8.15	277	3.798	Horizontal	14.52

Table 6: Radiated Emissions 1 – 17 GHz at the Lowest Frequency

Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.31 GHz	60.57	74.0	-13.43	86	1.5	Vertical	11.38
12.45 GHz	56.95	74.0	-17.05	236	1.638	Vertical	13.51
14.67 GHz	59.05	74.0	-14.95	82	2.146	Vertical	14.68
14.72 GHz	58.86	74.0	-15.14	291	2.65	Vertical	14.84
10.31 GHz	58.99	74.0	-15.01	93	1.643	Horizontal	11.38
12.36 GHz	57.50	74.0	-16.50	158	3.153	Horizontal	13.72
14.70 GHz	58.10	74.0	-15.90	330	3.802	Horizontal	15.12
15.83 GHz	58.51	74.0	-15.49	85	3.798	Horizontal	12.87

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.31 GHz	53.04	54.0	-0.96	86	1.5	Vertical	11.38
12.45 GHz	44.27	54.0	-9.73	236	1.638	Vertical	13.51
14.67 GHz	45.81	54.0	-8.19	82	2.146	Vertical	14.68
14.72 GHz	46.02	54.0	-7.98	291	2.65	Vertical	14.84
10.31 GHz	49.14	54.0	-4.86	93	1.643	Horizontal	11.38
12.36 GHz	44.23	54.0	-9.77	158	3.153	Horizontal	13.72
14.70 GHz	45.43	54.0	-8.57	330	3.802	Horizontal	15.12
15.83 GHz	45.35	54.0	-8.65	85	3.798	Horizontal	12.87

Table 7: Radiated Emissions 1 – 17 GHz at the Middle Frequency

Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.31 GHz	57.55	74.0	-16.45	40	3.798	Vertical	11.38
10.95 GHz	57.36	74.0	-16.64	318	3.802	Vertical	12.97
12.39 GHz	57.58	74.0	-16.42	156	1.838	Vertical	13.84
12.45 GHz	57.69	74.0	-16.31	278	4	Vertical	13.50
14.71 GHz	59.36	74.0	-14.64	257	1.5	Vertical	15.09
16.19 GHz	59.01	74.0	-14.99	107	2.142	Vertical	14.73
10.31 GHz	59.53	74.0	-14.47	105	3.802	Horizontal	11.38
12.39 GHz	57.79	74.0	-16.21	132	1.5	Horizontal	13.80
12.44 GHz	57.81	74.0	-16.19	93	4	Horizontal	13.54
15.97 GHz	62.33	74.0	-11.67	106	1.5	Horizontal	12.22

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.31 GHz	46.49	54.0	-7.51	40	3.798	Vertical	11.38
10.95 GHz	44.08	54.0	-9.92	318	3.802	Vertical	12.97
12.39 GHz	44.15	54.0	-9.85	156	1.838	Vertical	13.84
12.45 GHz	44.49	74.0	-9.51	278	4	Vertical	13.50
14.71 GHz	46.05	74.0	-7.95	257	1.5	Vertical	15.09
16.19 GHz	45.45	54.0	-8.55	107	2.142	Vertical	14.73
10.31 GHz	50.46	54.0	-3.54	105	3.802	Horizontal	11.38
12.39 GHz	44.13	54.0	-9.87	132	1.5	Horizontal	13.80
12.44 GHz	44.55	54.0	-9.45	93	4	Horizontal	13.54
15.97 GHz	48.25	54.0	-5.75	106	1.5	Horizontal	12.22

Table 8: Radiated Emissions 1 – 17 GHz at the Highest Frequency

Peak

Frequency	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
36.40 GHz	56.68	74.0	-17.32	327	Vertical	10.40
39.51 GHz	59.65	74.0	-14.35	85	Vertical	9.38
39.90 GHz	56.84	74.0	-17.16	163	Vertical	8.41
34.63 GHz	56.77	74.0	-17.23	143	Horizontal	10.29
36.27 GHz	56.72	74.0	-17.28	250	Horizontal	10.37

Avg

Frequency	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
36.40 GHz	37.70	54.0	-16.30	327	Vertical	10.40
39.51 GHz	37.49	54.0	-16.51	85	Vertical	9.38
39.90 GHz	37.17	54.0	-16.83	163	Vertical	8.41
34.63 GHz	36.92	54.0	-17.08	143	Horizontal	10.29
36.27 GHz	38.00	54.0	-16.00	250	Horizontal	10.37

Table 9: Radiated Emissions 17 – 40 GHz at the Highest Frequency (worse case)

5.5.3 UNII-2C

QuasiPeak

Frequency	Level (dB μ V/m)	Limit (dB μ V/m)	Margin	Azimuth (°)	Height	Pol.	Correction (dB)
32.22 MHz	37.75	40	-2.25	202	1.64	Vertical	-10.97
35.86 MHz	39.92	40	-0.28	324	1.13	Vertical	-10.09
38.61 MHz	36.77	40	-3.23	327	1.13	Vertical	-9.21
41.85 MHz	36.46	40	-3.54	28	1.13	Vertical	-8.43
101.59 MHz	35.27	40	-4.73	307	1.13	Vertical	-8.93
129.84 MHz	31.52	40	-8.48	229	1.13	Vertical	-12.48
No significant emissions were observed in the Horizontal orientation of the antenna							

Table 10: Radiated Emissions 30 – 1000 MHz

Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.31 GHz	57.53	74.0	-16.47	122	3.798	Vertical	11.38
12.37 GHz	57.10	74.0	-16.90	275	3.307	Vertical	13.83
14.69 GHz	59.01	74.0	-14.99	298	1.638	Vertical	14.97
14.70 GHz	58.75	74.0	-15.25	305	2.142	Vertical	15.13
10.31 GHz	58.40	74.0	-15.60	98	1.638	Horizontal	11.38
12.38 GHz	57.66	74.0	-16.34	45	4	Horizontal	13.86
12.46 GHz	57.27	74.0	-16.73	195	3.307	Horizontal	13.44
14.73 GHz	59.73	74.0	-14.27	174	3.798	Horizontal	14.77
14.74 GHz	59.61	74.0	-14.39	99	1.5	Horizontal	14.67

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.31 GHz	45.38	54.0	-8.62	122	3.798	Vertical	11.38
12.37 GHz	44.35	54.0	-9.65	275	3.307	Vertical	13.83
14.69 GHz	45.93	54.0	-8.07	298	1.638	Vertical	14.97
14.70 GHz	46.00	54.0	-8.00	305	2.142	Vertical	15.13
10.31 GHz	48.02	54.0	-5.98	98	1.638	Horizontal	11.38
12.38 GHz	44.76	54.0	-9.24	45	4	Horizontal	13.86
12.46 GHz	44.34	54.0	-9.66	195	3.307	Horizontal	13.44
14.73 GHz	45.85	54.0	-8.15	174	3.798	Horizontal	14.77
14.74 GHz	45.85	54.0	-8.15	99	1.5	Horizontal	14.67

Table 11: Radiated Emissions 1 – 17 GHz at the Lowest Frequency

Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.31 GHz	57.69	74.0	-16.31	11	3.798	Vertical	11.38
12.39 GHz	58.75	74.0	-15.25	343	1.5	Vertical	13.83
14.72 GHz	59.51	74.0	-14.49	8	4	Vertical	14.84
8.96 GHz	53.36	74.0	-20.64	337	3.802	Horizontal	5.30
10.31 GHz	61.30	74.0	-12.70	79	1.638	Horizontal	11.38
12.35 GHz	57.96	74.0	-16.04	211	1.638	Horizontal	13.63
12.47 GHz	58.48	74.0	-15.52	35	1.643	Horizontal	13.42

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.31 GHz	45.47	54.0	-8.53	11	3.798	Vertical	11.38
12.39 GHz	44.98	54.0	-9.02	343	1.5	Vertical	13.83
14.72 GHz	46.13	54.0	-7.87	8	4	Vertical	14.84
8.96 GHz	43.44	54.0	-10.56	337	3.802	Horizontal	5.30
10.31 GHz	51.48	54.0	-2.52	79	1.638	Horizontal	11.38
12.35 GHz	45.12	54.0	-8.88	211	1.638	Horizontal	13.63
12.47 GHz	45.04	54.0	-8.96	35	1.643	Horizontal	13.42

Table 12: Radiated Emissions 1 – 17 GHz at the Middle Frequency

Peak

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.31 GHz	59.89	74.0	-14.11	2	1.638	Vertical	11.38
12.45 GHz	58.00	74.0	-16.00	205	2.142	Vertical	13.48
14.69 GHz	59.72	74.0	-14.28	334	1.643	Vertical	15.00
14.70 GHz	59.53	74.0	-14.47	9	1.643	Vertical	15.13
8.96 GHz	56.65	74.0	-17.35	268	1.643	Horizontal	5.30
10.31 GHz	60.53	74.0	-13.47	75	1.643	Horizontal	11.38
12.36 GHz	57.95	74.0	-16.05	195	1.643	Horizontal	13.74
12.52 GHz	56.99	74.0	-17.01	296	2.65	Horizontal	13.23

Avg

Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.31 GHz	49.77	54.0	-4.23	2	1.638	Vertical	11.38
12.45 GHz	44.52	54.0	-9.48	205	2.142	Vertical	13.48
14.69 GHz	46.48	54.0	-7.52	334	1.643	Vertical	15.00
14.70 GHz	46.60	54.0	-7.40	9	1.643	Vertical	15.13
8.96 GHz	50.72	54.0	-3.28	268	1.643	Horizontal	5.30
10.31 GHz	52.04	54.0	-1.96	75	1.643	Horizontal	11.38
12.36 GHz	44.98	54.0	-9.02	195	1.643	Horizontal	13.74
12.52 GHz	44.08	54.0	-9.92	296	2.65	Horizontal	13.23

Table 13: Radiated Emissions 1 – 17 GHz at the Highest Frequency

Peak

Frequency	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
34.74 GHz	56.06	74.0	-17.94	162	Vertical	10.04
36.11 GHz	56.94	74.0	-17.06	15	Vertical	9.80
36.11 GHz	57.16	74.0	-16.84	153	Vertical	9.81
39.68 GHz	57.05	74.0	-16.95	92	Vertical	8.64
36.39 GHz	57.64	74.0	-16.36	153	Horizontal	9.89
39.47 GHz	58.09	74.0	-15.91	357	Horizontal	9.11
39.85 GHz	57.86	74.0	-16.14	273	Horizontal	8.53

Avg

Frequency	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
34.74 GHz	36.04	54.0	-17.96	162	Vertical	10.04
36.11 GHz	37.66	54.0	-16.34	15	Vertical	9.80
36.11 GHz	37.53	54.0	-16.47	153	Vertical	9.81
39.68 GHz	37.42	54.0	-16.58	92	Vertical	8.64
36.39 GHz	37.04	54.0	-16.96	153	Horizontal	9.89
39.47 GHz	37.68	54.0	-16.32	357	Horizontal	9.11
39.85 GHz	36.81	54.0	-17.19	273	Horizontal	8.53

Table 14: Radiated Emissions 17 – 40 GHz at the Highest Frequency (worse case)

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 11 dBm in any 1 MHz band during any time interval of continuous transmission. Results of this testing are summarized. With a 6 dBi antenna, the conducted limit for power spectral density is 11 dBm (adjusted limit of 9 dBm).

See Section 2.2 for directional gain calculation.

Results of this testing are summarized.

5.6.1 UNII-2A

Nss>1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss2	21	8.21	8	9	-0.79
OFDM 20	5280	Mcs0_Nss2	21	8.39	8	9	-0.61
OFDM 20	5320	Mcs0_Nss2	20	8.53	8	9	-0.47
EHT 20	5260	Mcs0_Nss2	22	8.51	8	9	-0.49
EHT 20	5280	Mcs0_Nss2	22	8.57	8	9	-0.43
EHT 20	5320	Mcs0_Nss2	20	7.81	8	9	-1.19
EHT 40	5270	Mcs0_Nss2	22	5.65	8	9	-3.35
EHT 40	5310	Mcs0_Nss2	21	5.27	8	9	-3.73
EHT 80	5290	Mcs0_Nss2	21	1.87	8	9	-7.13
EHT 160	5250	Mcs0_Nss2	21	-0.91	8	9	-9.91

Nss=1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5260	Mcs0_Nss1	18	5.21	8	5.99	-0.78
OFDM 20	5280	Mcs0_Nss1	18	5.39	8	5.99	-0.60
OFDM 20	5320	Mcs0_Nss1	17	5.53	8	5.99	-0.46
EHT 20	5260	Mcs0_Nss1	19	5.51	8	5.99	-0.48
EHT 20	5280	Mcs0_Nss1	19	5.57	8	5.99	-0.42
EHT 20	5320	Mcs0_Nss1	18	5.81	8	5.99	-0.18
EHT 40	5270	Mcs0_Nss1	22	5.65	8	5.99	-0.34
EHT 40	5310	Mcs0_Nss1	21	5.27	8	5.99	-0.72
EHT 80	5290	Mcs0_Nss1	21	1.87	8	5.99	-4.12
EHT 160	5250	Mcs0_Nss1	21	-0.91	8	5.99	6.90

5.6.2 UNII-2C

Nss>1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss2	20	8.56	8	9	-0.44
OFDM 20	5600	Mcs0_Nss2	19	8.51	8	9	-0.49
OFDM 20	5720	Mcs0_Nss2	21	8.33	8	9	-0.67
EHT 20	5500	Mcs0_Nss2	20	8.19	8	9	-0.81
EHT 20	5600	Mcs0_Nss2	19	8.14	8	9	-0.86
EHT 20	5720	Mcs0_Nss2	21	7.97	8	9	-1.03
EHT 40	5510	Mcs0_Nss2	20	5.08	8	9	-3.92
EHT 40	5590	Mcs0_Nss2	20	5.59	8	9	-3.41
EHT 40	5710	Mcs0_Nss2	22	5.98	8	9	-3.02
EHT 80	5530	Mcs0_Nss2	20	2.30	8	9	-6.70
EHT 80	5610	Mcs0_Nss2	20	2.78	8	9	-6.22
EHT 80	5690	Mcs0_Nss2	22	3.46	8	9	-5.54
EHT 160	5570	Mcs0_Nss2	20	0.16	8	9	-8.84
EHT 240	5610	Mcs0_Nss2	20	-1.58	8	9	-10.58

Nss=1

Modulation (BW)	Freq. (MHz)	Data Rate	TP Setting	Total Sum PSD EIRP (dBm)	Antenna Gain (dBi)	Limit (dBm)	Margin (dBm)
OFDM 20	5500	Mcs0_Nss1	17	5.56	8	5.99	-0.43
OFDM 20	5600	Mcs0_Nss1	16	5.51	8	5.99	-0.48
OFDM 20	5720	Mcs0_Nss1	18	5.33	8	5.99	-0.66
EHT 20	5500	Mcs0_Nss1	17	5.19	8	5.99	-0.80
EHT 20	5600	Mcs0_Nss1	16	5.14	8	5.99	-0.85
EHT 20	5720	Mcs0_Nss1	19	5.97	8	5.99	-0.02
EHT 40	5510	Mcs0_Nss1	20	5.08	8	5.99	-0.91
EHT 40	5590	Mcs0_Nss1	20	5.59	8	5.99	-0.40
EHT 40	5710	Mcs0_Nss1	22	5.98	8	5.99	-0.01
EHT 80	5530	Mcs0_Nss1	20	2.30	8	5.99	-3.69
EHT 80	5610	Mcs0_Nss1	20	2.78	8	5.99	-3.21
EHT 80	5690	Mcs0_Nss1	22	3.46	8	5.99	-2.53
EHT 160	5570	Mcs0_Nss1	20	0.16	8	5.99	-5.83
EHT 240	5610	Mcs0_Nss2	20	-1.58	8	5.99	-7.57

Result

The maximum average power spectral density was less than the limit of 11 dBm (adjusted limit of 9 dBm for Nss>1 and 5.99 dBm for Nss=1); therefore, the EUT complies with the specification.

5.7 DFS Requirement

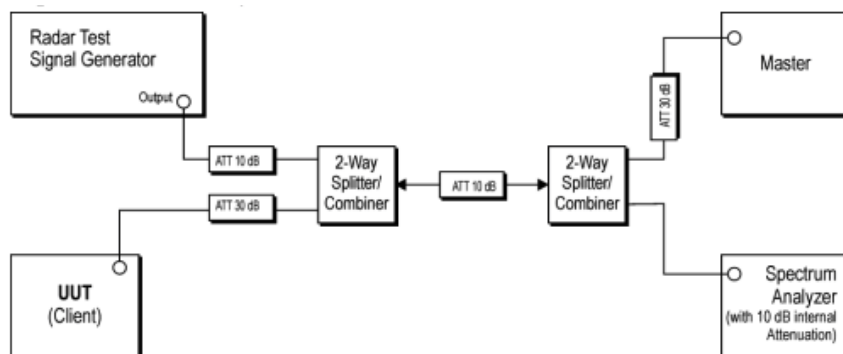
This product is a client without radar detection. The outcome of the required DFS tests is located in this section. DFS testing was performed following the test procedures as outlined in KDB 905462.

The product passes all required DFS tests for a client without radar detection.

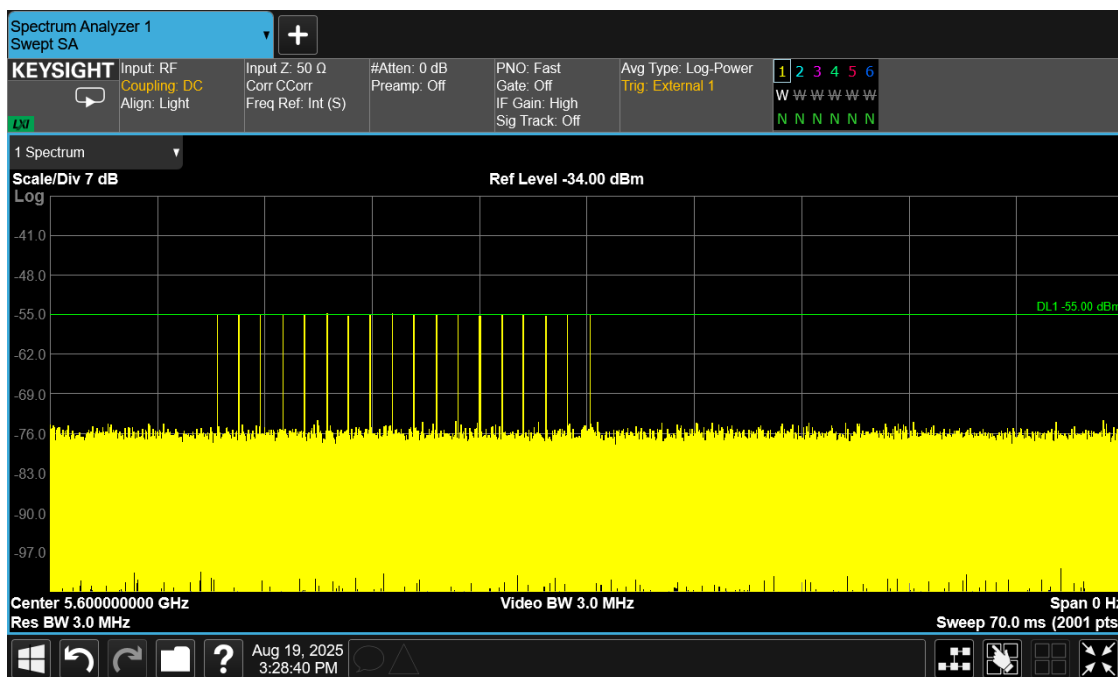
Information	Status
Possible Antenna/s	Integral Internal 8 dBi
Antenna used for test	Integral Internal 8 dBi
Operating mode	Client
If Client FCC ID of Master	SWX-U7PROP
Port used for testing	J0
EIRP range	> 200 milliwatts
Impedance of port	50 ohms
Channel loading technique	Data transfer was enacted to achieve a minimum channel loading of approximately 17%
Antenna measurement technique	See note 1
Time of power-on cycle	25s
Detection threshold level	-55 dBm

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
<i>Non-Occupancy Period</i>	Yes	Yes	Yes
<i>DFS Detection Threshold</i>	Yes	Not Required	Yes
<i>Channel Availability Check Time</i>	Yes	Not Required	Not Required
<i>U-NII Detection Bandwidth</i>	Yes	Not Required	Yes

Requirement	Operational Mode	
	Master or Client Client Without Radar Detection	Client Without Radar Detection
<i>DFS Detection Threshold</i>	Yes	Not Required
<i>Channel Closing Transmission Time</i>	Yes	Yes
<i>Channel Move Time</i>	Yes	Yes
<i>U-NII Detection Bandwidth</i>	Yes	Not Required



Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	



Plot 1: Radar Level 0

5.7.1 In-service Monitoring

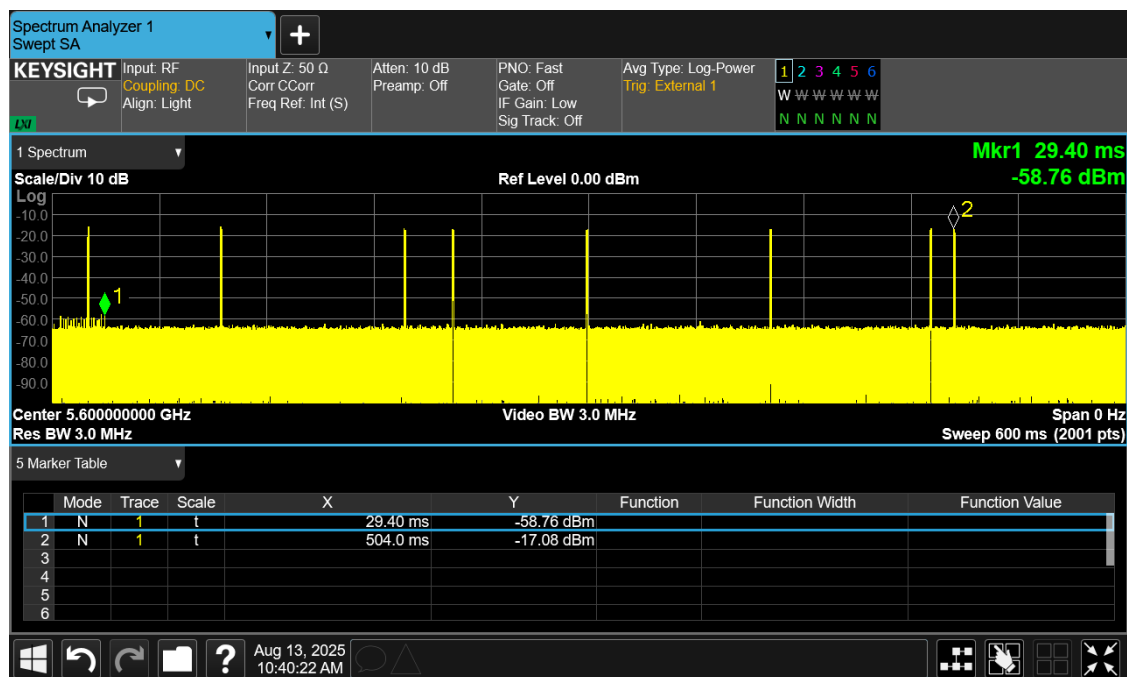
Channel Move Time	10 seconds
Channel Closing Transmission Time	200 ms + aggregate of 60 ms over remaining 10 second period
Non-occupancy period	Minimum 30 minutes

Verified during in-service monitoring: channel closing transmission time and channel move time. The transmissions were observed at the end of the radar burst on the operating channel for a duration of greater than 10 seconds. The transmissions were measured and recorded during the observation time. This was compared to the channel move time and channel closing time limits. One 12 second plot is reported for the short pulse radar type 0. A 60 ms plot is also provided to verify closing time for the aggregate transmission time starting from 200 ms after the end of the radar signal to the completion of the channel move.

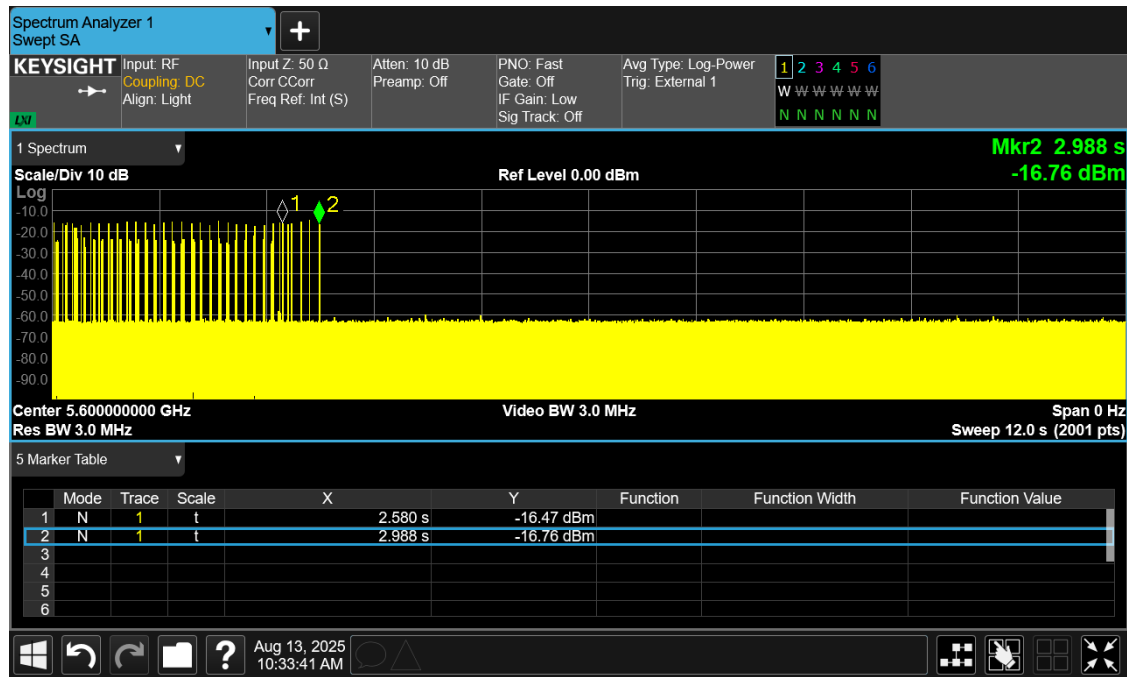
During the 30 minutes observation time, the EUT did not make any transmissions on a channel after a radar signal was detected.

Please see plots below.

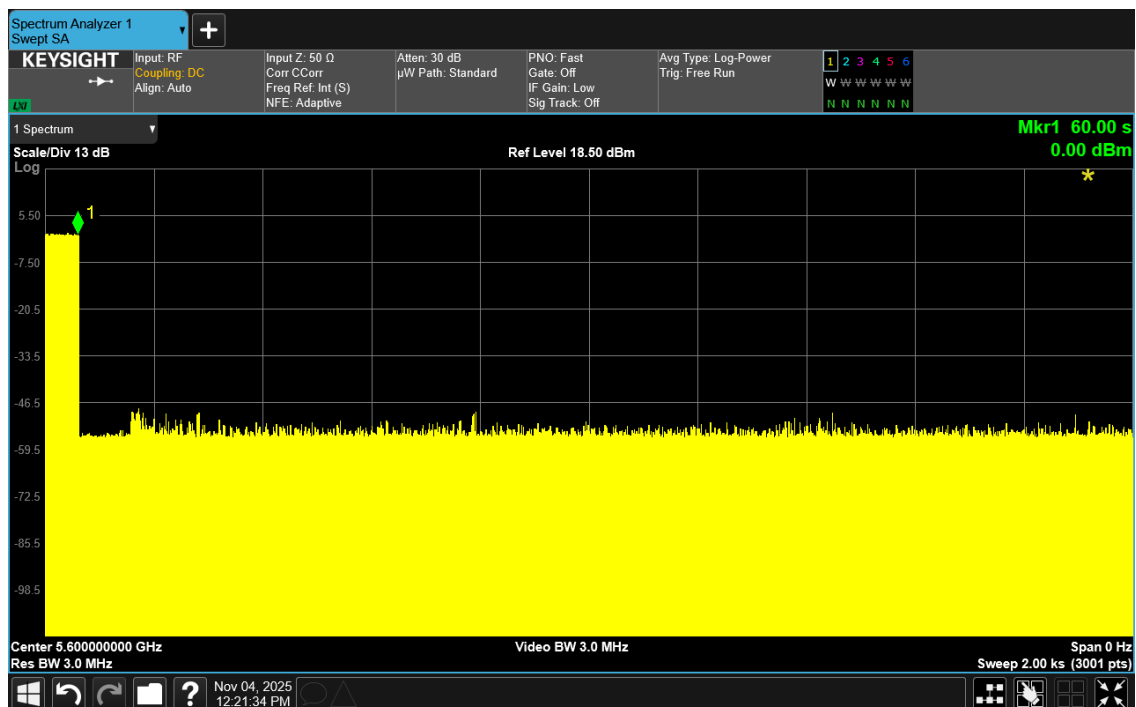
A spectrum analyzer is used as a monitor to verify that the EUT has vacated the channel within the channel closing transmission time and channel move time, and does not transmit on a channel during the non-occupancy period after the detection and channel move.



Plot 2: Channel Close (400 ms)

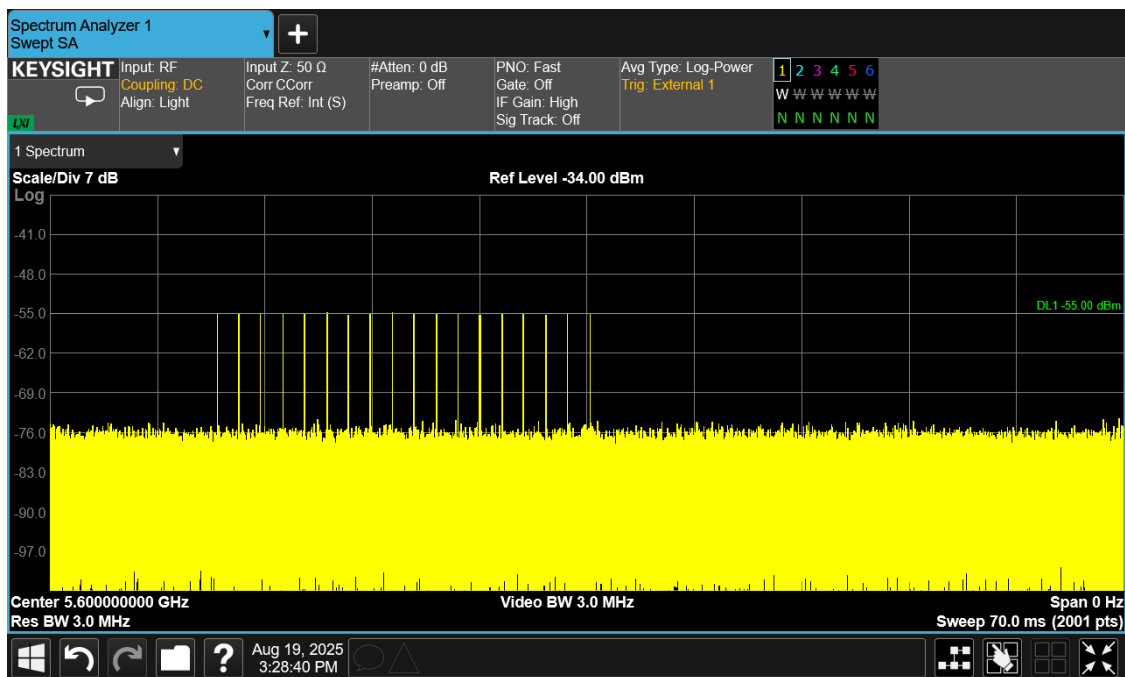


Plot 3: Channel Move



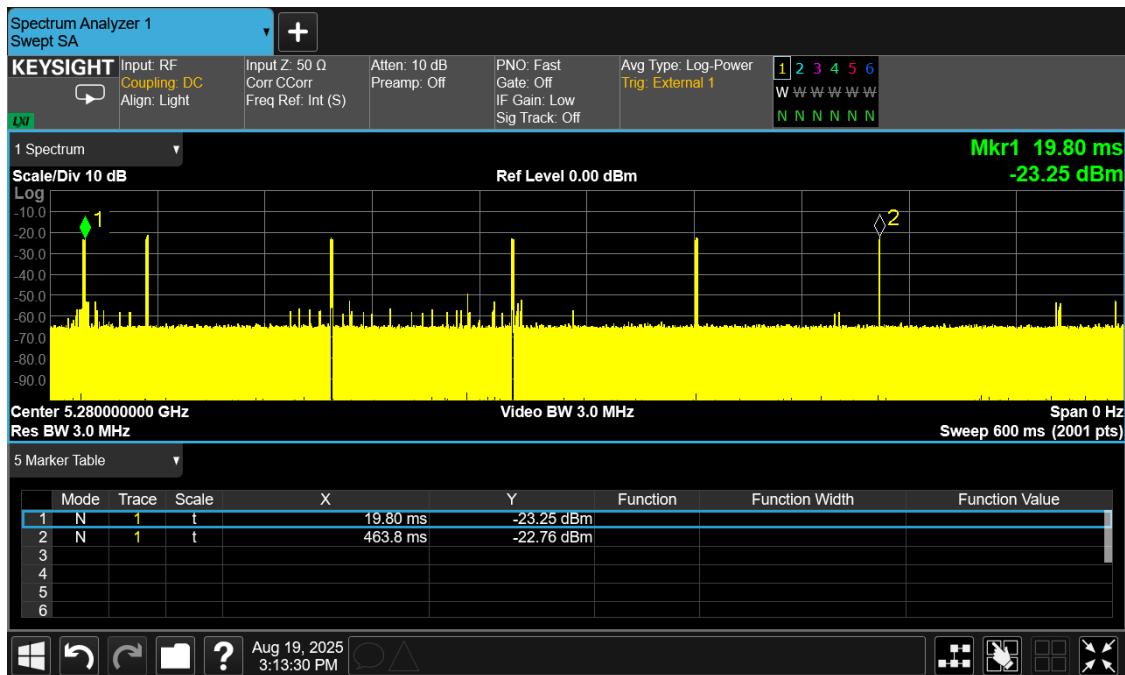
Plot 4: Non-Occupancy 30min

5.7.2 ETSI Test Results for Canada

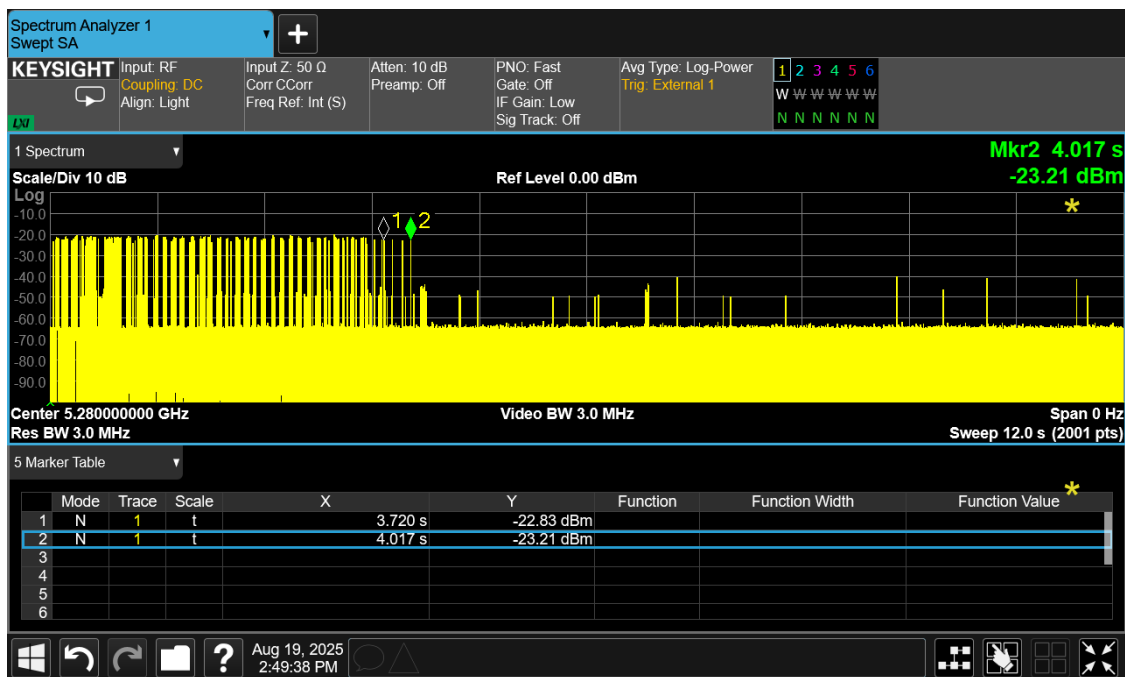


Plot 5: Radar Level 0

20 MHz 5280

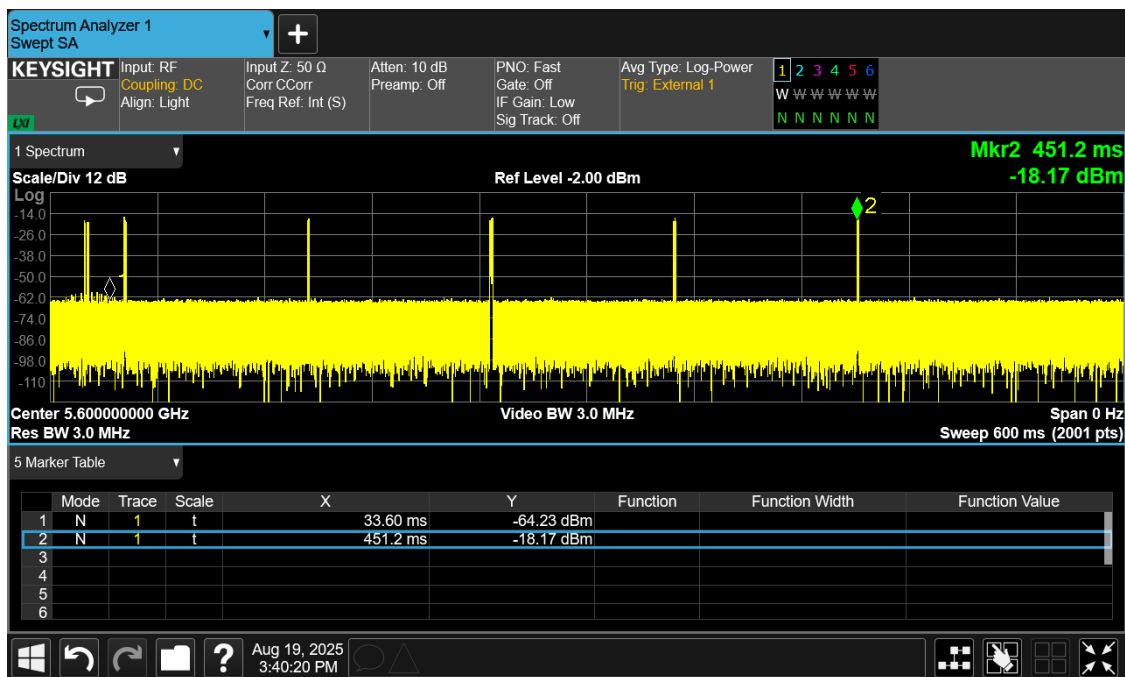


Plot 6: Channel Close (400 ms)

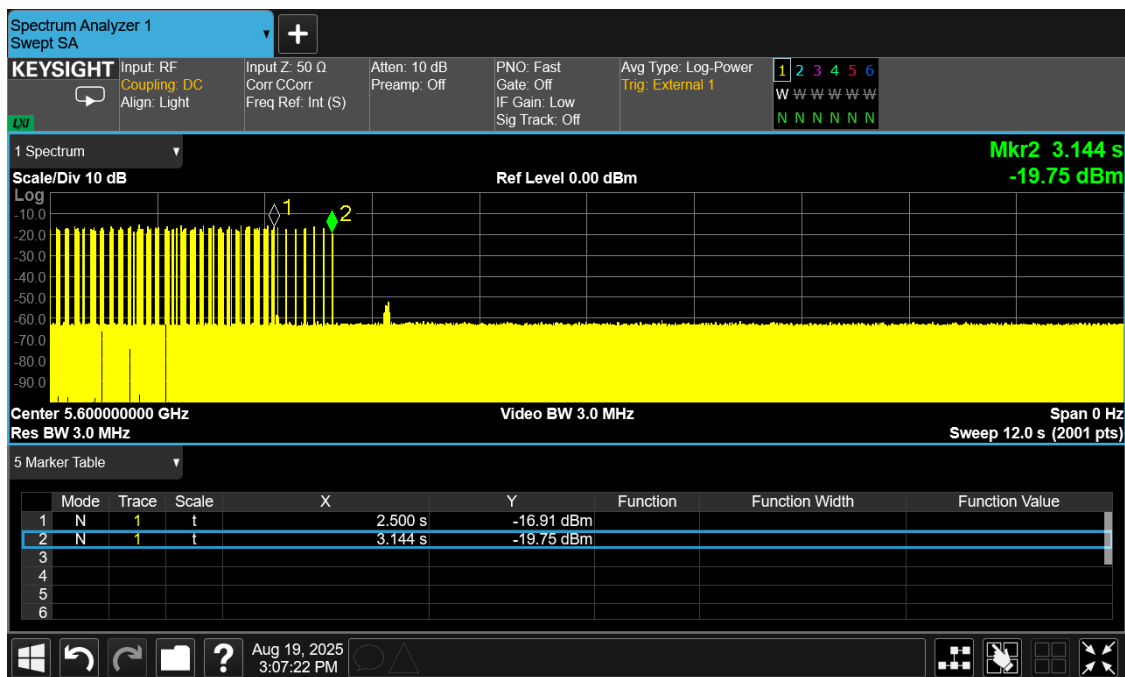


Plot 7: Channel Move

20 MHz 5600

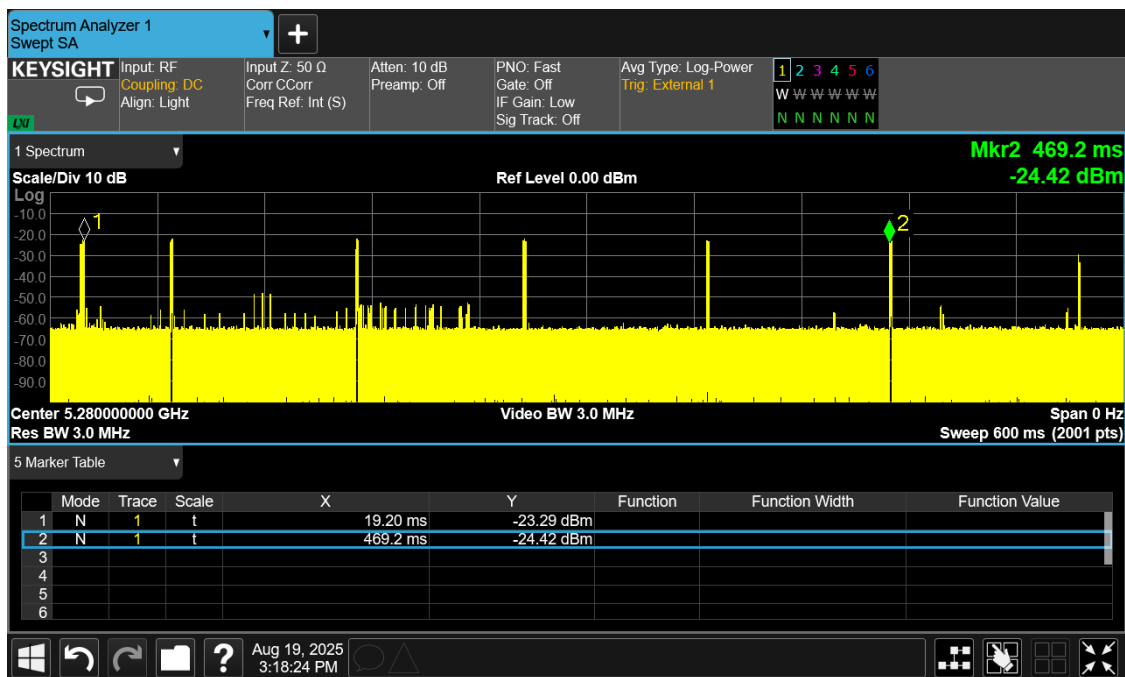


Plot 8: Channel Close (400 ms)

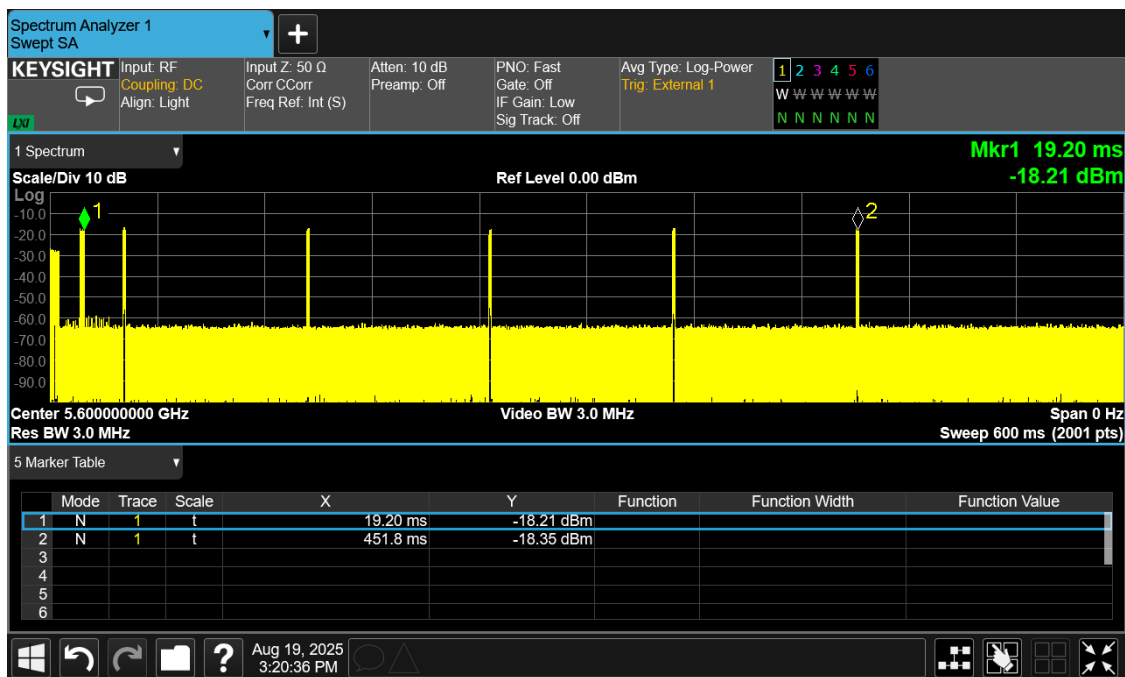
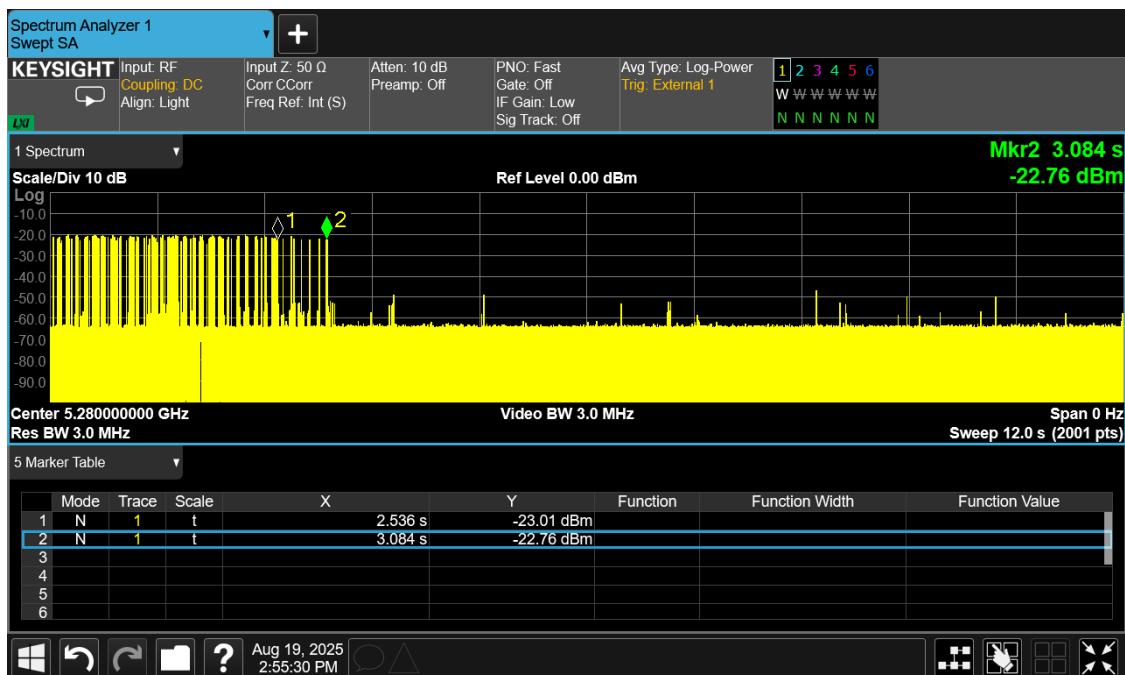


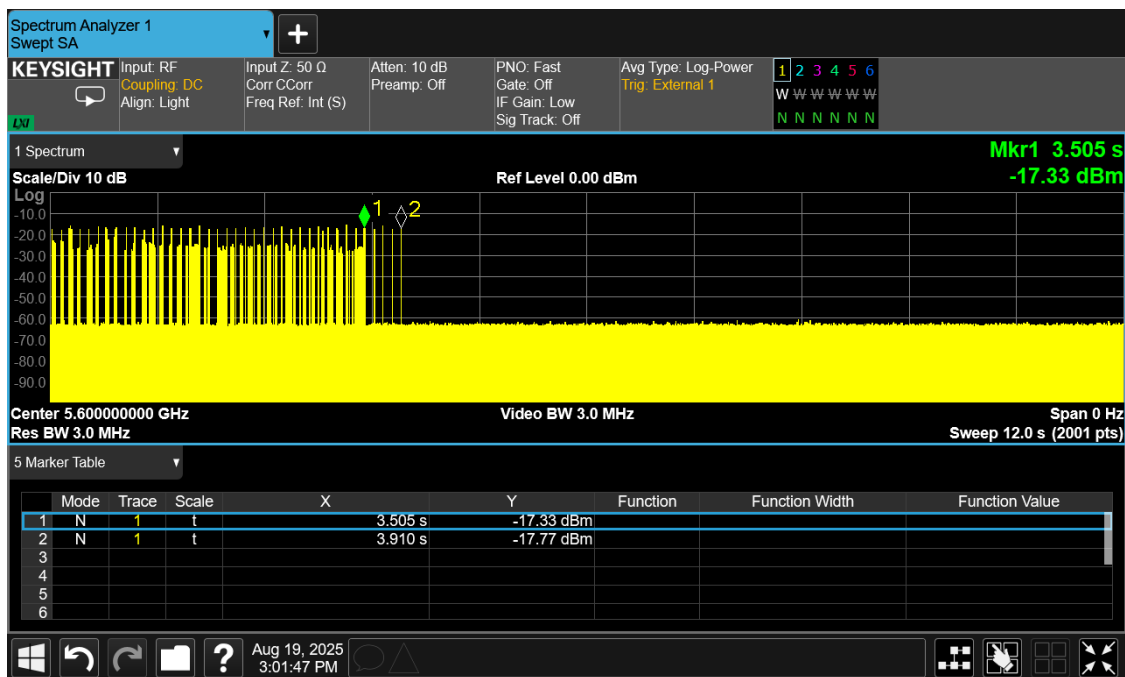
Plot 9: Channel Move

160 MHz 5250



Plot 10: Channel Close (400 ms)





Plot 13: Channel Move

-- End of Test Report --