UNIFIED COMPLIANCE LABORATORY

427 West 12800 South
Draper, UT 84020

Test Report

Certification

FCC ID	SWX-U7PROP
Canada ID	6545A-U7PROP
Equipment Under Test	U7 Pro
Test Report Serial Number	TR9343_06
Date of Test(s)	19, 23, 29 and 30 August 2024
Report Issue Date	3 September 2024

Test Specification	Applicant
47 CFR FCC Part 15, Subpart E RSS-GEN	Ubiquiti Inc. 685 Third Avenue New York, NY 10019 U.S.A.

NVLAP TESTING ilac-MRA

NVLAP LAB CODE 600241-0

Certification of Engineering Report

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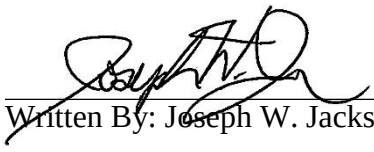
Applicant	Ubiquiti Inc.
Manufacturer	Ubiquiti Inc.
Brand Name	UBIQUITI
Model Number	U7 Pro
FCC ID	SWX-U7PROP
Canada ID	6545A-U7PROP

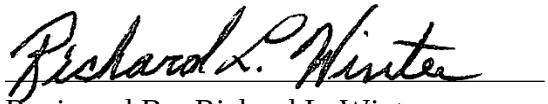
On this 3rd day of September 2024, I individually and for Unified Compliance Laboratory certify that the statements made in this engineering report are true, complete, and correct to the best of my knowledge and are made in good faith.

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: Richard L. Winter

Revision History		
Revision	**Description**	**Date**
01	Original Report Release	3 September 2024
02	Added DFS Spot Check Data In Section 2	12 September 2024
03	Revised Sections 2.2 and 2.3. Added Sections 2.4 and 2.5	16 September 2024
04	Removed Section 2.5	16 September 2024
05	Revised Section 2.4 and add Section 2.5	25 September 2024
06	Revised Table in Section 2.4.1	26 September 2024

Table of Contents

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 Manager

1.2 Manufacturer

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

2 Summary

2.1 Identification of EUT

Brand Name	UBIQUITI
Model Number	U7 Pro
Serial Number	05B1B5
Dimensions (cm)	20.6 x 20.6 x 4.6

2.2 Introduction

The purpose of this document is to provide definition of the differences between models and evidence of their similarities. It will also identify the test data that is to be used between the models and identifies the data that will be new to the U7 Pro. This document is based on guidance provided in KDB 484596 DO1 Referencing Test Data. The applicant takes full responsibility for the fact that the test date referenced in this test report represents valid data for demonstrating compliance for the variants listed in this application. The following tables outline the identifying devices.

2.2.1 U7-Pro – (Original Equipment) Certification

	Equipment Class	Rule Part	Frequency Bands
U7-Pro	DTS	Part 15 C	2412 – 2462 MHz
	NII	Part 15 E	5180 – 5240 MHz
	NII	Part 15 E	5260 – 5320 MHz
	NII	Part 15 E	5500 – 5720 MHz
	NII	Part 15 E	5745 – 5825 MHz
	NII (6ID)	Part 15 E	5955 – 7115 MHz
	NII (6PP)	Part 15 E	5955 – 7115 MHz

2.2.2 U7 Pro – (New Original Equipment) Certification

	Equipment Class	Rule Part	Frequency Bands
U7 Pro	DTS	Part 15 C	2412 – 2462 MHz
	NII	Part 15 E	5180 – 5240 MHz
	NII	Part 15 E	5260 – 5320 MHz
	NII	Part 15 E	5500 – 5720 MHz
	NII	Part 15 E	5745 – 5825 MHz
	NII (6ID)	Part 15 E	5955 – 7115 MHz
	NII (6PP)	Part 15 E	5955 – 7115 MHz

2.3 Description of EUT Differences and Justification

U7-Pro (FCC ID: SWX-U7PRO / IC ID: 6545A-U7PRO) is identical to the U7 Pro (FCC ID: SWX-U7PROP / 6545A-U7PROP) in hardware and software other than the RF circuity for the 2412 – 2462 MHz WiFi Band. In the 2412 – 2462 MHz WiFi Band the RF circuitry was changed from a one System on Chip (SOC) to a two chip set.

This change only affects the FCC Part 15 C of the FCC rules in the Equipment Class DTS. This band of the U7 Pro was completely retested and the testing results are found in test report "U7_Pro_FCC_15.247_WiFi_01"

No changes have been made in the hardware or software for the UNII-1 Band (5180–5240 MHz), UNII-2a Band (5260–5320 MHz), UNII-2c Band (5500–5720 MHz), (UNII-3 Band (5745–5825 MHz), UNII-5 Band (5955–6415 MHz), UNII-6 Band (6435–6515 MHz), UNII-7 Band (6535–6875 MHz) and UNII-8 Band (6895–7115 MHz). Since no changes have been made in these bands the applicant declares that the test date referenced in this test report represents valid data for demonstrating compliance for the variants listed in this application.

This spot check test report along with the original test report for the NII bands listed above are provided to show that since no changes have been made to the equipment subject to FCC Part 15 E of the FCC rules, the U7 Pro continues to comply with the FCC Rules and Regulations.

2.3.1 U7-Pro (Original Equipment) Certification

The U7-Pro was originally granted on 12/08/2023 for the frequency bands of 2412–2462 MHz, per CFR Part 15C, 15.247; 5180–5240 MHz, 5260–5320 MHz, 5500–5720 MHz, 5745–5825 MHz, per CFR Part 47 Part 15E, 15.407 and originally granted on 01/04/2024 for the frequency bands of 5955–7115 MHz, per CFR Part 47 Part 15E.

2.3.2 U7 Pro (New Equipment Certification) Proposal

The U7 Pro is requesting a grant for the frequency bands of 2412–2462 MHz, per CFR Part 15C, 15.247; 5180–5240 MHz; 5260–5320 MHz; 5500–5720 MHz; 5745–5825 MHz; and 5955–7115 MHz, per CFR Part 47 Part 15E.

The frequency bands of 5180–5240 MHz; 5260–5320 MHz; 5500–5720 MHz; 5745–5825 MHz; and 5955 – 7115 MHz have no hardware or software changes from the original certification of the U7-Pro (SWX-U7PRO / 6545A-U7PRO).

The frequency band of 2412–2462 MHz will be covered by a new separate test report due to the changes in this frequency band as described in Section 2.3 above and is the reason for this application.

2.4 U7 Pro Spot Check Test Plan

The spot-check plan listed in this section was formulated using good engineering judgement based on the knowledge of the device design by the Ubiquiti Inc. engineering team. The grantee of this device takes full responsible for the continued compliance to the FCC Rules. With this good engineering judgement, the confidence is high that the variant device will continue to be compliance with all the relevant FCC Rule parts.

2.4.1 Cross Reference Table

Reference Device	Variant Device	Key Differences
Model U7-Pro FCC ID: SWX-U7PRO	Model U7 Pro FCC ID: SWX-U7PROP	2412 – 2462 MHz WiFi Band the RF circuitry was changed from a one System on Chip (SOC) to a two chip set See Section 2.3 above

Rule Part	Test Item	Data Referencing	Comments	Acceptance Criteria
15.247	All testing	No	The 15.247 testing was completely retested. See test report U7_Pro_FCC_15.247_WiFi_01	N/A
U-NII Bands				
15.407	AC Mains Conducted	No	Note 1 Note 2	N/A
15.407	Bandwidth Requirement	No	Note 1 Note 2	N/A
15.407	Output Power	Yes	See Section 3.1	+/- 3 dB
15.407	Spurious Emissions	Yes	See Section 3.3	Compliance with CFR 47 Section 15.209
15.407	Power Spectral Density	Yes	See Section 3.1	+/- 3 dB
15.407 (U-NII-2)	DFS Requirement	Yes	See Section 3.2	Compliance with KDB 484596 Section 7.2 DFS Data Referencing

Note 1: The following are the original test report references for UNII-1, UNII-2, UNII-3 and UNII-5 respectfully

- TR8594_U7-Pro_FCC_15.407_UNII-1_02

- TR8570_U7-Pro_15.407_UNII-2_02
- TR8575_U7-Pro_15.407_UNII-3_01
- TR8585_U7-Pro_FCC_15.407_UNII-5_04

Note 2: Combined Spot Check report combined with original report are:

- TR9367_U7_Pro_FCC_15.407_UNII-1_04
- TR9368_U7_Pro_FCC_15.407_UNII-2_04
- TR9369_U7_Pro_FCC_15.407_UNII-3_04
- TR9370_U7_Pro_FCC_15.407_UNII-5_04

2.4.2 U7 Pro Spot Check – Power / PSD

Per KDB 484596 DO1 a spot check was conducted for the bands that have no changes applied, 5180–5240 MHz; 5260–5320 MHz; 5500–5720 MHz; 5745–5825 MHz; and 5955–7115 MHz, to ensure the levels are still less than the original power reported during the certification process. Below is the spot check comparison with test report references. The test reports noted below will also be submitted to the TCB for reference.
The accepted criteria for the outcome of the spot check is continued compliance to the FCC Rules and reasonable close results to the original test data. See data reference table in section 2.4.1.

2.4.3 U7 Pro Spot Check – DFS

Per KDB 484596 D01 a spot check was conducted for the bands that have no changes applied, 5500-5720 MHz to ensure the level are still less than the original reported DFS during the original certification process. Below is the spot check comparison for the DFS portion.
The accepted criteria for the outcome of the spot check is continued compliance to the FCC Rules and reasonable close results to the original test data. See data reference table in section 2.4.1.

2.4.4 U7 Pro Spot Check – Radiated Emissions

Per KDB 484596 D01 a spot check was conducted for radiated emissions in the UNII-1, UNII-2 and UNII-5 bands that have no changes applied. Below is the spot check comparison for the Radiated Emissions portion.
The accepted criteria for the outcome of the spot check is continued compliance to the FCC Rules and reasonable close results to the original test data. See data reference table in section 2.4.1.

2.5 Illustrations

The illustration exhibit is being submitted separately due to the size restrictions. The exhibit is titled, “U7_Pro_Internal_Illustrations_Comparison.”

3 Spot Check Test Data

3.1 Power and PSD

5180–5240 MHz Band UNII-1 Spot Check

Mode	Frequency	UCL Results (10/3/2023)		UCL Results (8/29/2024)		Delta	
		RF Pwer	PSD	RF Pwer	PSD	RF Pwer	PSD
		W	dbm	W	dBm	W	dBm
HE20	5180	0.177	9.25	0.137	8.57	- 0.04	- 0.68
HE20	5210	0.415	12.86	0.334	12.44	- 0.08	- 0.42
HE20	5240	0.540	13.97	0.388	13.20	- 0.15	- 0.77
HE40	5190	0.113	4.37	0.088	4.05	- 0.03	- 0.32
HE40	5230	0.234	7.20	0.173	6.88	- 0.06	- 0.32
HE80	5210	0.134	1.75	0.099	1.39	- 0.04	- 0.36

5260–5320 MHz Band

UNII-2A Spot Check

Mode	Frequency	UCL Results (9/8/2023)		UCL Results (8/29/2024)		Delta	
		RF Pwer	PSD	RF Pwer	PSD	RF Pwer	PSD
		W	dbm	W	dBm	W	dBm
HE20	5260	0.230	10.11	0.185	9.66	- 0.05	- 0.45
HE20	5280	0.211	9.90	0.183	9.64	- 0.03	- 0.26
HE20	5320	0.208	9.72	0.195	9.85	- 0.01	0.13
HE40	5270	0.226	7.03	0.184	6.80	- 0.04	- 0.23
HE40	5310	0.220	6.82	0.199	6.98	- 0.02	0.16
HE80	5290	0.202	3.58	0.180	3.67	- 0.02	0.09
HE160	5250	0.225	1.18	0.180	0.64	- 0.05	- 0.54

5500–5720 MHz Band

UNII-2C Spot Check

Mode	Frequency	UCL Results (9/8/2023)		UCL Results (8/30/2024)		Delta	
		RF Pwer	PSD	RF Pwer	PSD	RF Pwer	PSD
		W	dbm	W	dBm	W	dBm
HE20	5500	0.242	10.55	0.217	10.70	- 0.02	0.15
HE20	5600	0.201	9.96	0.163	9.68	- 0.04	- 0.28
HE20	5720	0.250	10.75	0.173	10.15	- 0.08	- 0.60
HE40	5510	0.242	7.53	0.215	7.67	- 0.03	0.14
HE40	5590	0.207	6.90	0.164	6.60	- 0.04	- 0.30
HE40	5710	0.203	6.81	0.137	5.99	- 0.07	- 0.82
HE80	5530	0.237	4.41	0.205	6.08	- 0.03	1.67
HE80	5610	0.248	4.72	0.188	4.41	- 0.06	- 0.31
HE80	5690	0.240	4.74	0.155	3.62	- 0.09	- 1.12
HE160	5570	0.229	1.46	0.204	1.79	- 0.03	0.33

3.2 DFS

DFS Spot Check – 10 Trials at 80 MHz – All wave Forms

Original Summary Table from 10/18/2023

Summary			
Type	**Detections**	**Trials**	**Detection Probability**
Type 1	29	30	97%
Type 2	28	30	93%
Type 3	25	30	83%
Type 4	28	30	93%
Type 5	30	30	100%
Type 6	30	30	100%
Aggregate 1-4	110	120	92%

New Summary Table and Data from 9/11/2024

Summary			
Type	**Detections**	**Trials**	**Detection Probability**
Type 1	9	10	90%
Type 2	9	10	90%
Type 3	9	10	90%
Type 4	8	10	80%
Type 5	10	10	100%
Type 6	10	10	100%
Aggregate 1-4	35	40	88%

Trials

RADAR TYPE 1				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	**Number of Pulses per Burst**	**Pulse Width (µsec)**	**PRI (µs)**	**Detection (yes/no)**
1	46	1	1152	y
2	58	1	918	y
3	19	1	2877	n

4	31	1	1726	y
5	18	1	2948	y
6	53	1	996	y
7	19	1	2829	y
8	87	1	611	y
9	31	1	1733	y
10	25	1	2148	y

9/10=90%

RADAR TYPE 2

Rohde & Schwarz
K350 Pulse Sequencer DFS

Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	28	3.9	169	y
2	29	2.2	182	y
3	28	1.4	222	n
4	29	2	166	y
5	28	2.7	203	y
6	25	4	196	y
7	26	1.5	152	y
8	27	2.4	225	y
9	28	4.5	169	y
10	24	3.2	170	y

9/10=90%

RADAR TYPE 3

Rohde & Schwarz
K350 Pulse Sequencer DFS

Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	18	9	387	y
2	17	9	433	y
3	18	6.1	453	y
4	17	6.7	368	n
5	17	9.5	241	y
6	16	6.5	337	y
7	17	9.2	288	y
8	18	8.1	474	y
9	16	6.2	284	y
10	18	9.6	476	y

9/10=90%

RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	**Number of Pulses per Burst**	**Pulse Width (µsec)**	**PRI (µs)**	**Detection (yes/no)**
1	12	14.8	237	y
2	15	17	437	n
3	13	19.9	352	y
4	15	14	389	y
5	12	16	304	y
6	15	12.7	350	y
7	12	12.2	204	y
8	16	12.9	367	y
9	12	18.6	422	n
10	13	18	484	y

8/10=80%

TYPE 5	Rohde & Schwarz K350 Pulse Sequencer DFS			
Trial #	**Detection (yes/no)**	**Chirp Width (MHz)**	**Subset**	**Fc**
1	y	11	1	5570
2	y	19	1	5570
3	y	17	1	5570
4	y	13	1	5570
5	y	12	1	5570
6	y	17	1	5570
7	y	18	1	5570
8	y	9	1	5570
9	y	6	1	5570
10	y	13	1	5570

10/10=100%

TYPE 6 S	Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	**Detection (yes/no)**
1	y
2	y
3	y
4	y
5	y
6	y
7	y
8	y
9	y
10	y
	10/10=100%

5745–5825 MHz Band

UNII-3 Spot Check

Mode	Frequency	UCL Results (10/4/2023)		UCL Results (8/30/2024)		Delta	
		RF Pwer	PSD	RF Pwer	PSD	RF Pwer	PSD
		W	dbm	W	dBm	W	dBm
HE20	5745	0.697	12.12	0.465	11.29	- 0.23	- 0.83
HE20	5775	0.840	13.03	0.594	11.50	- 0.25	- 1.53
HE20	5825	0.621	11.33	0.490	10.71	- 0.13	- 0.62
HE40	5755	0.540	7.90	0.364	7.50	- 0.18	- 0.40
HE40	5775	0.628	8.70	0.401	7.19	- 0.23	- 1.51
HE40	5795	0.587	8.27	0.378	7.75	- 0.21	- 0.52
HE80	5775	0.244	1.81	0.163	1.36	- 0.08	- 0.45

5955–7115 MHz Band

UNII-5 Spot Check

Mode	Frequency	UCL Results (11/16/2023)		UCL Results (8/30/2024)		Delta	
		RF Pwer	PSD	RF Pwer	PSD	RF Pwer	PSD
		W (eirp)	dbm	W (eirp)	dBm	W (eirp)	dBm
EHT20	5955	0.062	-1.27	0.038	-1.82	- 0.02	- 0.55
EHT20	6195	0.071	-0.87	0.056	-1.22	- 0.01	- 0.35
EHT20	6415	0.074	-1.33	0.043	-2.81	- 0.03	- 1.48
EHT40	5965	0.139	-1.72	0.084	-1.72	- 0.06	0.00
EHT40	6205	0.143	-1.11	0.113	-1.33	- 0.03	- 0.22
EHT40	6405	0.153	-1.27	0.094	-2.22	- 0.06	- 0.95
EHT80	5985	0.262	-0.99	0.187	-1.39	- 0.08	- 0.40
EHT80	6225	0.277	-1.16	0.223	-1.19	- 0.05	- 0.03
EHT80	6385	0.282	-1.49	0.187	-2.31	- 0.09	- 0.82
EHT160	6025	0.467	-1.24	0.300	-1.59	- 0.17	- 0.35
EHT160	6185	0.492	-1.02	0.445	-0.95	- 0.05	0.07
EHT160	6325	0.578	-1.37	0.438	-1.37	- 0.14	0.00
EHT320	6265	0.869	-1.56	0.676	-2.13	- 0.19	- 0.57

3.3 U7 Pro Spot Check – Radiated TX Spurious Emissions

Per KDB 484596 DO1 a spot was conducted for the bands that have no changes applied (5180–5240 MHz; 5260–5320 MHz; 5500–5720 MHz; 5745–5825 MHz; and 5955–7115 MHz) to ensure the levels of spurious / harmonic emissions comply with CFR 47 Part 15.209 and 15.255 respectively as reported during the certification process. Below is the spot check comparison with test report references. The test report noted below will also be submitted to the TCB for reference.

UNII-1 Spurious Low Channel 1 – 17 GHz
Previous Data as recorded in Report #: U7-Pro_FCC_15.407_UNII-1_02

Peak

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.37 GHz	55.017	74	-18.98	136	1.643	Vertical	8.55
11.91 GHz	58.708	74	-15.29	87	1.638	Vertical	10.05
15.54 GHz	66.609	74	-7.39	124	2.645	Vertical	10.59
10.35 GHz	55.596	74	-18.40	162	2.645	Horizontal	8.39
15.53 GHz	59.965	74	-14.04	148	3.154	Horizontal	10.60

Avg

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.37 GHz	41.564	54	-12.44	136	1.643	Vertical	8.55
11.91 GHz	52.136	54	-1.86	87	1.638	Vertical	10.05
15.54 GHz	52.195	54	-1.81	124	2.645	Vertical	10.59
10.35 GHz	42.29	54	-11.71	162	2.645	Horizontal	8.39
15.53 GHz	45.337	54	-8.63	148	3.154	Horizontal	10.60

UNII-1 Spurious Low Channel
Data taken 8/19/2024

Peak

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
12.40 GHz	54.732	74	-19.27	89	2.329	Vertical	13.99
14.82 GHz	56.135	74	-17.87	13	4	Vertical	14.43
16.17 GHz	56.786	74	-17.21	70	1.834	Vertical	16.14
12.30 GHz	54.805	74	-19.20	23	1.834	Horizontal	14.42

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
16.20 GHz	57.609	74	-16.39	318	1.643	Horizontal	16.74

Avg

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
12.40 GHz	41.342	54	-12.66	89	2.329	Vertical	13.99
14.82 GHz	42.375	54	-11.63	13	4	Vertical	14.43
16.17 GHz	43.689	54	-10.31	70	1.834	Vertical	16.14
12.30 GHz	41.656	54	-12.34	23	1.834	Horizontal	14.42
16.20 GHz	44.344	54	-9.66	318	1.643	Horizontal	16.74

UNII-1 Spurious High Channel 1 – 17 GHz
Previous Data as recorded in Report #: U7-Pro_FCC_15.407_UNII-1_02

Peak

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.47 GHz	52.904	74	-21.10	5	4	Vertical	8.01
11.91 GHz	58.719	74	-15.28	88	1.643	Vertical	10.05
15.74 GHz	64.193	74	-9.81	147	1.638	Vertical	11.14
10.47 GHz	52.743	74	-21.26	147	1.834	Horizontal	7.97
15.72 GHz	62.14	74	-11.86	129	1.833	Horizontal	11.19

Avg

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.47 GHz	39.40	54	-14.60	5	4	Vertical	8.01
11.91 GHz	51.94	54	-2.06	88	1.643	Vertical	10.05
15.74 GHz	51.12	54	-2.88	147	1.638	Vertical	11.14
10.47 GHz	40.02	54	-13.98	147	1.834	Horizontal	7.97
15.72 GHz	48.94	54	-5.06	129	1.833	Horizontal	11.19

UNII-1 Spurious High Channel
Data taken 8/19/2024

Peak

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
12.95 GHz	54.344	74	-19.66	11	2.325	Vertical	14.65
14.70 GHz	56.687	74	-17.31	143	2.142	Vertical	15.65
16.21 GHz	57.226	74	-16.77	1	3.153	Vertical	16.70
13.01 GHz	55.226	74	-18.77	27	3.802	Horizontal	15.171
16.10 GHz	55.962	74	-18.04	210	3.802	Horizontal	14.875

Avg

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
12.95 GHz	41.121	54	-12.88	11	2.325	Vertical	14.65
14.70 GHz	43.596	54	10.40	143	2.142	Vertical	15.65
16.21 GHz	44.143	54	-9.86	1	3.153	Vertical	16.70

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
13.01 GHz	41.503	54	-12.50	27	3.802	Horizontal	15.171
16.10 GHz	42.627	54	-11.37	210	3.802	Horizontal	14.875

UNII-5 Spurious Mid Channel 17 – 40 GHz
Previous Data as recorded in Report #: U7-Pro_FCC_15.407_UNII-5_01

Peak

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
17.01 GHz	50.362	74	-23.64	259	Horizontal	-0.01

Avg

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
17.01	37.261	54	-16.74	259	Horizontal	-0.01

UNII-5 Spurious Mid Channel
Data Taken 8/23/2024

Peak

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
33.46 GHz	55.159	74	-18.84	255	Vertical	4.54
34.91 GHz	57.259	74	-16.74	243	Vertical	6.22
33.80 GHz	55.817	74	-18.18	39	Horizontal	5.27
34.95 GHz	57.085	74	-16.92	156	Horizontal	6.33

Avg

Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
33.46 GHz	42.024	54	-11.98	255	Vertical	4.54
34.91 GHz	43.668	54	-10.33	243	Vertical	6.22
33.80 GHz	42.543	54	-11.46	39	Horizontal	5.27
34.95 GHz	43.939	54	-10.06	156	Horizontal	6.33

-- End of Test Report --