



427 West 12800 South  
 Draper, UT 84020

## Test Report Certification

<b>FCC ID</b>	SWX-U6EXTR
<b>IC ID</b>	6545A-U6EXTR
<b>Equipment Under Test</b>	U6-Extender
<b>Test Report Serial Number</b>	TR6380_02
<b>Date of Tests</b>	7 June; 14, 16 July; 5, 9 August 2021
<b>Report Issue Date</b>	12 August 2021

Test Specification	Applicant
47 CFR FCC Part 15, Subpart C	Ubiquiti Inc. 685 Third Avenue New York, NY 10019 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 C. 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.

<b>Applicant</b>	Ubiquiti Inc.
<b>Manufacturer</b>	Ubiquiti Inc.
<b>Brand Name</b>	UniFi
<b>Model Number</b>	U6-Extender
<b>FCC ID</b>	SWX-U6EXTR
<b>IC ID</b>	6545A-U6EXTR

On this 12th day of August 2021, 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: Kimberly Rodriguez



Reviewed By: Richard L. Winter

---

<b>Revision History</b>		
<b>Revision</b>	<b>Description</b>	<b>Date</b>
01	Original Report Release	12 August 2021
02	Amended Section 2.6	2 September 2021

## Table of Contents

1	Client Information.....	5
1.1	Applicant.....	5
1.2	Manufacturer.....	5
2	Equipment Under Test (EUT).....	6
2.1	Identification of EUT .....	6
2.2	Description of EUT .....	6
2.3	EUT and Support Equipment.....	6
2.4	Interface Ports on EUT .....	6
2.5	Operating Environment.....	7
2.6	Operating Modes.....	7
2.7	EUT Exercise Software.....	7
2.8	Block Diagram of Test Configuration .....	8
2.9	Modification Incorporated/Special Accessories on EUT.....	8
2.10	Deviation, Opinions Additional Information or Interpretations from Test Standard.....	8
3	Test Specification, Method and Procedures.....	9
3.1	Test Specification.....	9
3.2	Methods & Procedures.....	9
3.3	FCC Part 15, Subpart C .....	9
3.4	Results.....	10
3.5	Test Location .....	10
4	Test Equipment .....	11
4.1	Conducted Emissions at Mains Ports.....	11
4.2	Direct Connect at the Antenna Port Tests.....	11
4.3	Radiated Emissions.....	12
4.4	Equipment Calibration .....	13
4.5	Measurement Uncertainty.....	13
5	Test Results.....	14
5.1	§15.203 Antenna Requirements.....	14
5.2	Conducted Emissions at Mains Ports Data .....	14
5.3	§15.247(a)(2) Emissions Bandwidth.....	15
5.4	§15.247(b)(3) Maximum Average Output Power.....	16
5.5	§15.247(d) Spurious Emissions .....	16
5.6	§15.247(e) Maximum Average Power Spectral Density .....	21

# 1 Client Information

## 1.1 Applicant

<b>Company</b>	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.
<b>Contact Name</b>	Mark Feil
<b>Title</b>	Compliance Manager

## 1.2 Manufacturer

<b>Company</b>	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.
<b>Contact Name</b>	Mark Feil
<b>Title</b>	Compliance Manager

## 2 Equipment Under Test (EUT)

### 2.1 Identification of EUT

<b>Brand Name</b>	UniFi
<b>Model Number</b>	U6-Extender
<b>Serial Number</b>	68D79A1F2912
<b>Dimensions (cm)</b>	11.21 x 16.97 x 3.22

### 2.2 Description of EUT

The U6-Extender is a WiFi 6 access point that can instantly broaden wireless coverage. With its dual-band WiFi 6 capability and 5.3+ Gbps aggregate throughput rate, the U6 Extender delivers reliable 5GHz and 2.4Ghz connectivity to support even the most device-dense networks. This access point fits any standard US duplex wall outlet. The U6 Extender can be adopted to your network in a matter of minutes and centrally managed with either the UniFi Network web application or mobile app.

This report covers the circuitry of the device subject to FCC Part 15, Subpart C. 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.

<b>Brand Name Model Number Serial Number</b>	<b>Description</b>	<b>Name of Interface Ports / Interface Cables</b>
BN: UniFi MN: U6-Extender (Note 1) SN: 68D79A1F2912	WiFi Access Point	See Section 2.4
BN: UniFi MN: UDM SN: N/A	Network Controller and Access Point	Shielded or Un-Shielded Cat 5e cable (Note 2)
BN: Dell MN: XPS 13 SN: N/A	Laptop PC	Shielded or Un-Shielded Cat 5e cable (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

<b>Name of Ports</b>	<b>No. of Ports Fitted to EUT</b>	<b>Cable Description/Length</b>
----------------------	-----------------------------------	---------------------------------

---

AC Power	1	N/A
----------	---	-----

## 2.5 Operating Environment

<b>Power Supply</b>	120/240 VAC
<b>AC Mains Frequency</b>	50/60 Hz
<b>Temperature</b>	21.3 - 26.3 °C
<b>Humidity</b>	36.14 - 55.27%
<b>Barometric Pressure</b>	1012 mBar

## 2.6 Operating Modes

The U6-Extender was wirelessly connected to a personal computer laptop and tested using test software in order to enable to constant duty cycle of the WiFi transceiver. The measurements within this report are corrected to reference a 100% duty cycle.

## 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

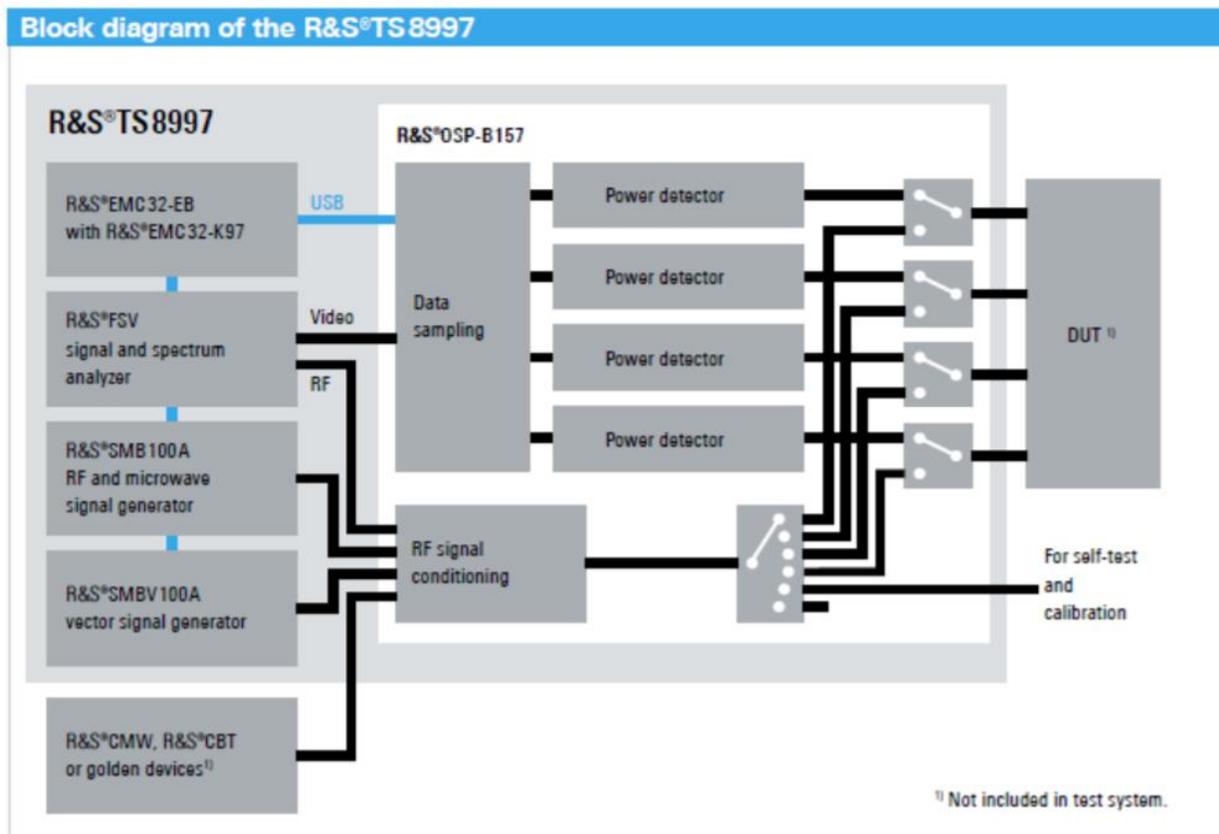


Diagram 1: Test Configuration Block Diagram

## 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

<b>Title</b>	47 CFR FCC Part 15, Subpart C 15.203, 15.207 and 15.247 Limits and methods of measurement of radio interference characteristics of radio frequency devices.
<b>Purpose of Test</b>	The tests were performed to demonstrate initial compliance

### 3.2 Methods & Procedures

#### 3.2.1 47 CFR FCC Part 15 Section 15.203

See test standard for details.

#### 3.2.2 47 CFR FCC Part 15 Section 15.207

See test standard for details.

#### 3.2.3 47 CFR FCC Part 15 Section 15.247

See test standard for details.

### 3.3 FCC Part 15, Subpart C

#### 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
15.247(a)	RSS-247 § 5.2	Bandwidth Requirement	2402 to 2480	Compliant
15.247(b)	RSS-247 § 5.4	Peak Output Power	2402 to 2480	Compliant
15.247(d)	RSS-247 § 5.4	Antenna Conducted Spurious Emissions	30 to 26000	Compliant
15.247(d)	RSS-247 § 5.4	Radiated Spurious Emissions	30 to 26000	Compliant
15.247(e)	RSS-247 § 5.2	Peak Power Spectral Density	2402 to 2480	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.

### **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 chamber 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 2022. This site has also been registered with Innovations, Science and Economic Development (ISED) department and was accepted under Appendix B, Phase 1 procedures of the APEC Tel MRA for Canadian recognition. ISED No.: 25346, effective until 30 June 2022. Unified Compliance Laboratory has been assigned 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	9/18/2020	9/17/2021
LISN	AFJ	LS16C/10	UCL-2512	5/26/2020	5/26/2022
Cat6 ISN	Teseq	ISN T8-Cat6	UCL-2971	5/18/2020	5/18/2022
ISN	Teseq	ISN T800	UCL-2974	6/4/2021	6/4/2022
LISN	Com-Power	LIN-120C	UCL-2612	5/19/2021	5/19/2022
AC Power Source	Laplace Instruments	AC1000A	UCL-2857	N/A	N/A
Test Software	UCL	Revision 1	UCL-3107	N/A	N/A

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

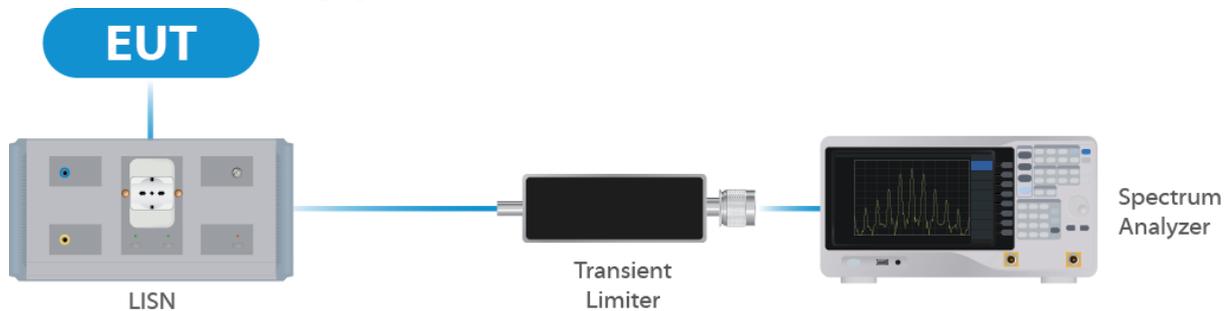


Figure 1: Conducted Emissions Test

### 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	8/24/2020	8/24/2021
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	9/8/2020	9/8/2021
Switch Extension	R&S	OSP-150W	UCL-2870	3/3/2021	3/3/2022

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

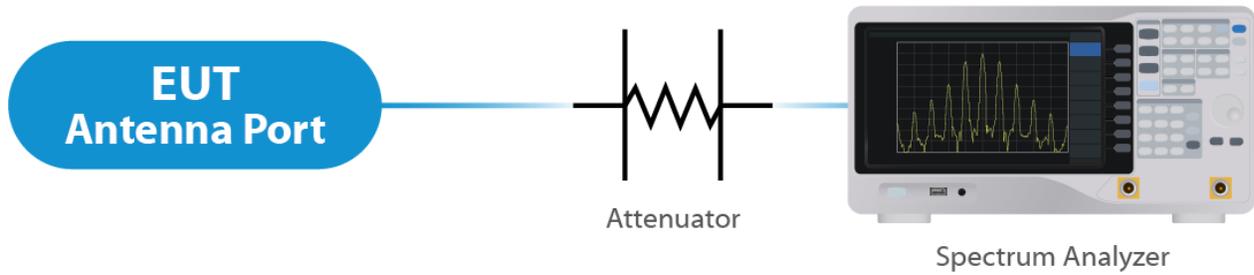


Figure 2: Direct Connect at the Antenna Port Test

### 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	6/21/2021	6/21/2022
Pre-Amplifier 9 kHz – 1 GHz	Sonoma Instruments	310N	UCL-2889	9/10/2020	9/10/2021
Double Ridge Horn Antenna	Scwarzbeck	BBHA 9120D	UCL-3065	7/8/2021	7/8/2022
Log Periodic	Scwarzbeck	STLP 9129	UCL-3068	11/16/2020	11/16/2021
15 - 40 GHz Horn Antenna	Scwarzbeck	BBHA 9170	UCL-2487	5/21/2020	5/21/2022
1 – 18 GHz Amplifier	Com-Power	PAM 118A	UCL-3833	9/29/2020	9/29/2021
Test Software	UCL	Revision 1	UCL-3108	N/A	N/A

Table 3: List of equipment used for Radiated Emissions

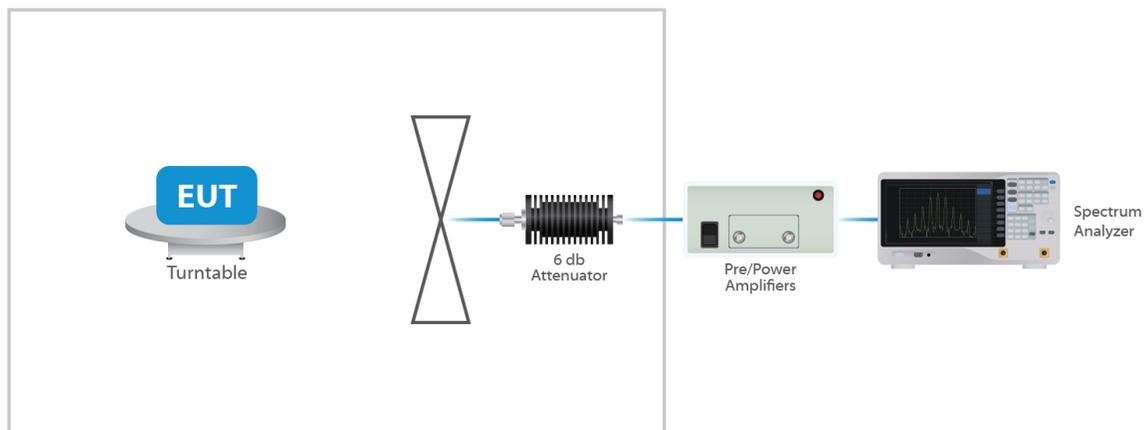


Figure 3: Radiated Emissions Test

## 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
<b>Direct Connect Tests</b>	<b>K Factor</b>	<b>Value</b>
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

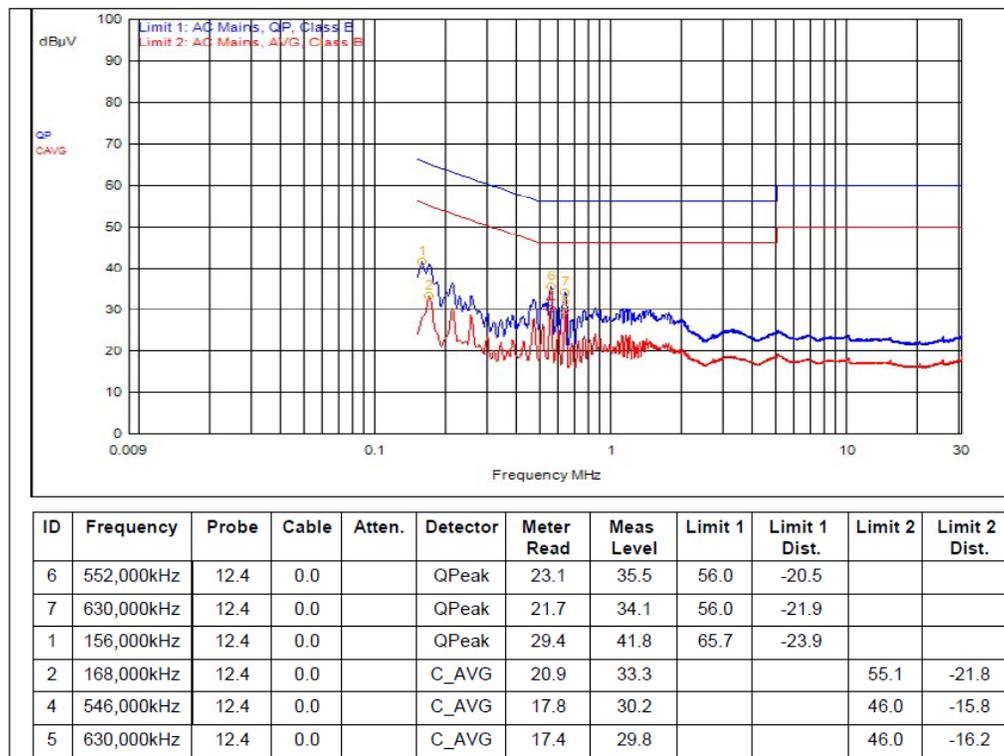
### 5.1 §15.203 Antenna Requirements

The EUT uses an integral. The Maximum gain of the antenna is 5 dBi. The antenna is not user replaceable.

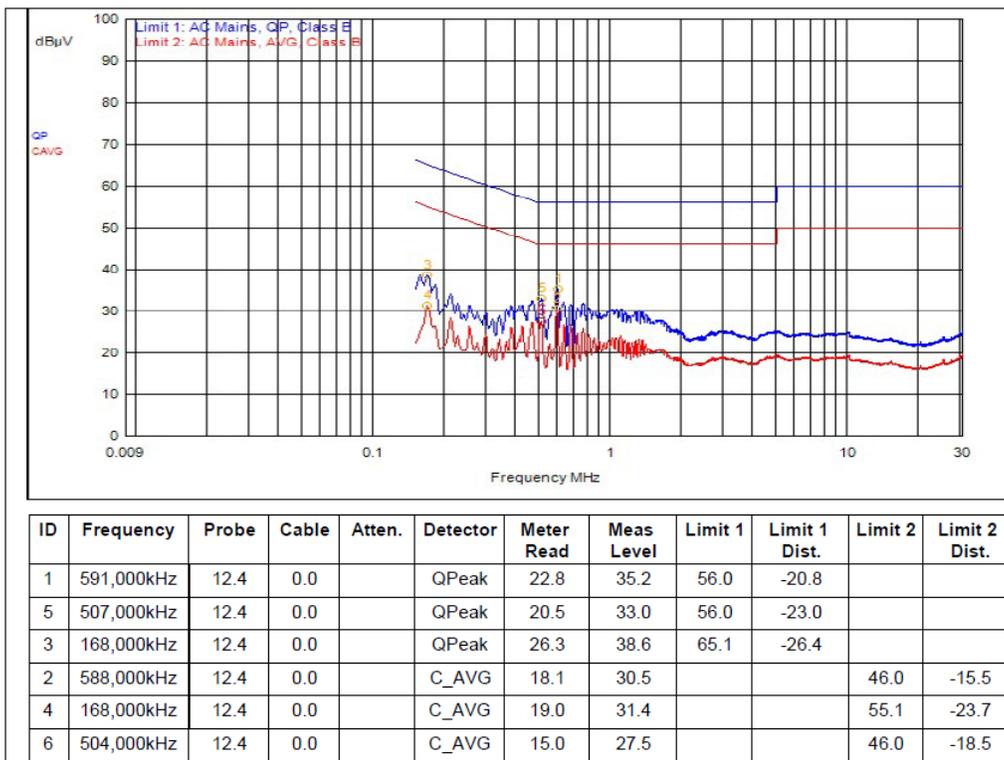
#### Results

The EUT complied with the specification

### 5.2 Conducted Emissions at Mains Ports Data



Graph 1: Conducted Emissions Plot - Neutral



Graph 2: Conducted Emissions Plot – Line 1

**Result**

The EUT complied with the specification limit.

**5.3 §15.247(a)(2) Emissions Bandwidth**

Frequency (MHz)	Emissions 6 dB Bandwidth (MHz)	Emissions 99% Bandwidth (MHz)
2402	0.73	1.03
2442	0.71	1.03
2480	0.71	1.02

**Result**

In the configuration tested, the 6 dB bandwidth was greater than 500 kHz; therefore, the EUT complied with the requirements of the specification (see spectrum analyzer plot within the Annex).

## 5.4 §15.247(b)(3) Maximum Average Output Power

The maximum average RF conducted output power measured for this device was 12.89 dBm or 19.45 mW. The limit is 30 dBm or 1 Watt when using antennas with 6 dBi or less gain. The antenna has a gain of 5 dBi.

Frequency (MHz)	Measured Output Power (dBm)	Output Power (mW)
2402	12.89	19.45
2442	12.60	18.20
2480	12.58	18.11

### Result

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

## 5.5 §15.247(d) Spurious Emissions

### 5.5.1 Conducted Spurious Emissions

The frequency ranges from the lowest frequency generated or used in the device to the tenth harmonic of the highest fundamental frequency were investigated to measure any antenna-conducted emissions. The table show the measurement data from spurious emissions noted across the frequency range when transmitting at the lowest frequency, middle frequency and upper frequency. Shown within the Annex are plots with the EUT tuned to the upper and lower channels. These demonstrate compliance with the provisions of this section at the band edges.

The emissions must be attenuated 30 dB below the highest power spectral density level measured within the authorized band as measured with a 100 kHz RBW.

### Result

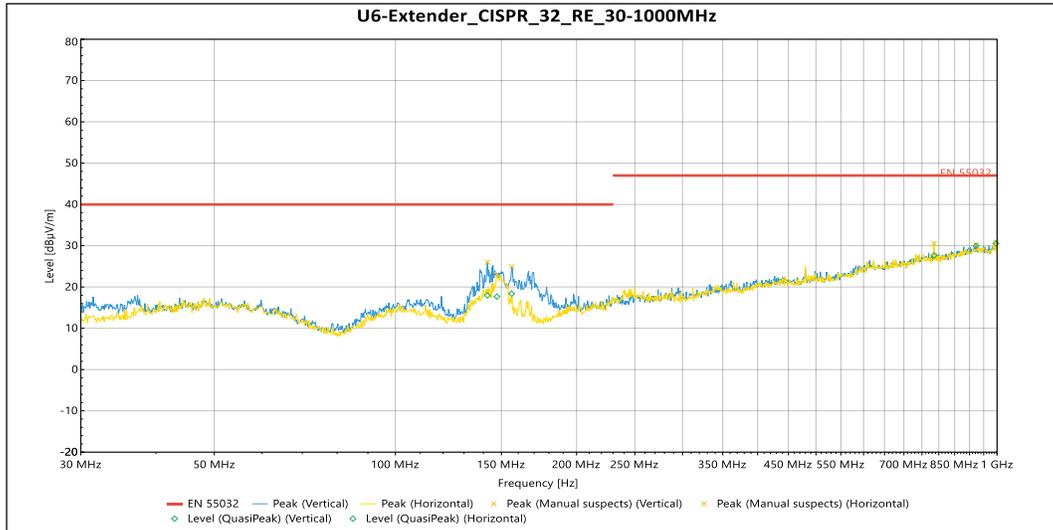
Conducted spurious emissions were attenuated 30 dB or more below the fundamental; therefore, the EUT complies with the specification.

### 5.5.2 Radiated Spurious Emissions in the Restricted Bands of §15.205

The frequency ranges from the lowest frequency generated or used in the device to the tenth harmonic of the highest fundamental emissions were investigated to measure any radiated emissions in the restricted bands. The following tables show measurements of any emissions that fell into the restricted bands of §15.205. The tables show the worst-case emissions measured from the EUT. For frequencies above 18.0 GHz, a measurement distance of 1 meter was used. The noise floor was a minimum of 6 dB below the limits. The emissions in the restricted bans must meet the limits specified in §15.209. Tabular data for each of the spurious emissions is shown below for each of the units.

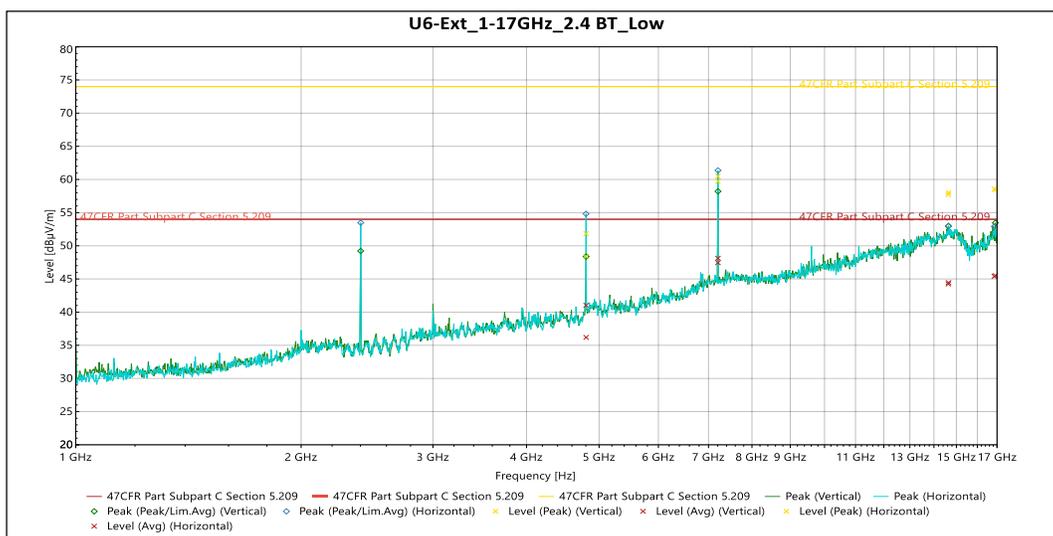
## Result

All emissions in the restricted bands of §15.205 met the limits specified in §15.209; therefore, the EUT complies with the specification.

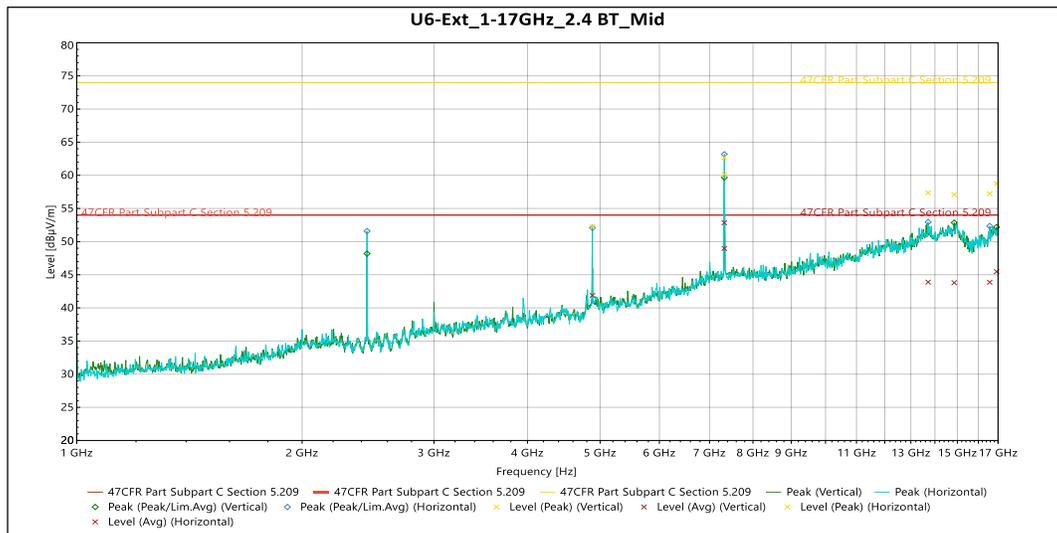


Source	Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin	Azimuth (°)	Height	Pol.	Meas. Time	RBW	Meas.Time	Correction (dB)
QuasiPeak	142.23 MHz	17.972	40	-22.028	148	1.004	Vertical	15	120000	0.001	-17.752
QuasiPeak	156.02 MHz	18.388	40	-21.612	137	1.054	Vertical	15	120000	0.001	-17.394
QuasiPeak	922.4 MHz	29.956	47	-17.044	349	1.596	Vertical	15	120000	0.001	-0.048
QuasiPeak	147.48 MHz	17.668	40	-22.332	69	3.616	Horizontal	15	120000	0.001	-17.844
QuasiPeak	785.92 MHz	27.651	47	-19.349	134	3.8	Horizontal	15	120000	0.001	-2.989
QuasiPeak	995.7 MHz	30.555	47	-16.445	337	2.117	Horizontal	15	120000	0.001	1.052

Table 4: Radiated Emissions 30-1000MHz

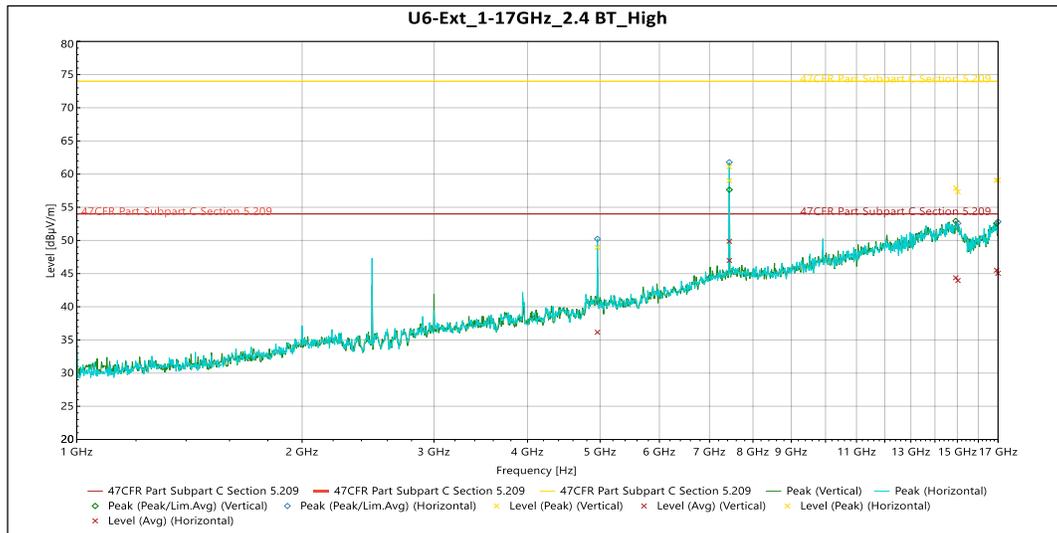


Source	Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Meas. Time (s)	RBW	Meas.Time	Correction (dB)
Peak	4.8044 GHz	48.378	74	-25.622	290	3.793	Vertical	5	1000000	0	0.091
Peak	7.2068 GHz	59.725	74	-14.275	113	3.617	Vertical	5	1000000	0	7.127
Peak	14.634 GHz	57.71	74	-16.29	2	3.095	Vertical	5	1000000	0	14.939
Peak	16.91 GHz	58.432	74	-15.568	4	3.793	Vertical	5	1000000	0	17.204
Avg	4.8044 GHz	36.187	54	-17.813	290	3.793	Vertical	5	1000000	0	0.091
Avg	7.2068 GHz	47.447	54	-6.553	113	3.617	Vertical	5	1000000	0	7.127
Avg	14.634 GHz	44.242	54	-9.758	2	3.095	Vertical	5	1000000	0	14.939
Avg	16.91 GHz	45.503	54	-8.497	4	3.793	Vertical	5	1000000	0	17.204
Peak	4.8036 GHz	51.836	74	-22.164	152	3.793	Horizontal	5	1000000	0	0.081
Peak	7.2068 GHz	60.481	74	-13.519	16	3.267	Horizontal	5	1000000	0	7.127
Peak	14.643 GHz	58.015	74	-15.985	201	3.793	Horizontal	5	1000000	0	15.148
Peak	16.856 GHz	58.557	74	-15.443	48	2.915	Horizontal	5	1000000	0	17.022
Avg	4.8036 GHz	41.023	54	-12.977	152	3.793	Horizontal	5	1000000	0	0.081
Avg	7.2068 GHz	48.118	54	-5.882	16	3.267	Horizontal	5	1000000	0	7.127
Avg	14.643 GHz	44.452	54	-9.548	201	3.793	Horizontal	5	1000000	0	15.148
Avg	16.856 GHz	45.385	54	-8.615	48	2.915	Horizontal	5	1000000	0	17.022

**Table 5: Transmitting on Low 2402MHz – 1-17GHz Radiated Emissions**


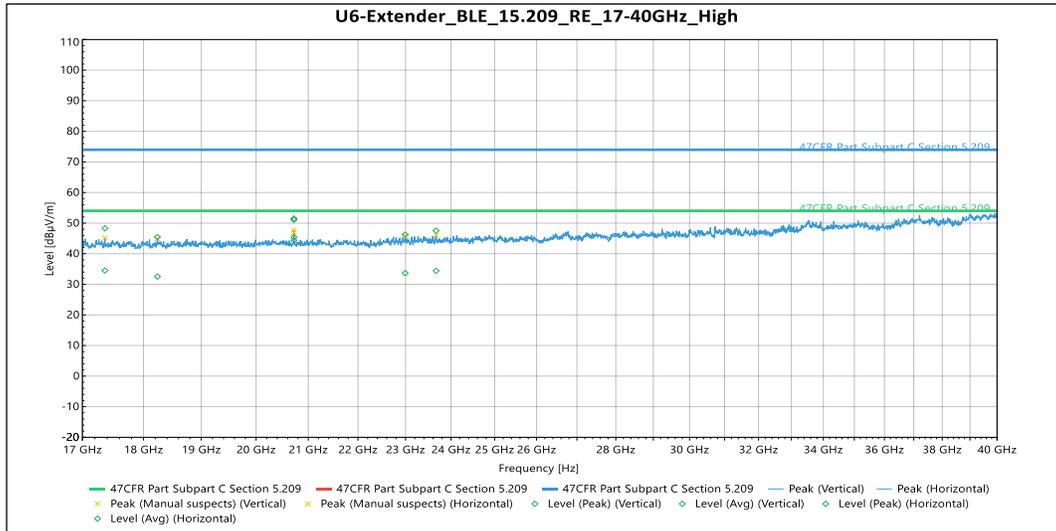
Source	Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Meas. Time (s)	RBW	Meas.Time	Correction (dB)
Peak	7.3266 GHz	60.107	74	-13.893	121	3.617	Vertical	5	1000000	0	7.569
Peak	14.854 GHz	57.067	74	-16.933	152	2.742	Vertical	5	1000000	0	14.761
Peak	16.924 GHz	58.727	74	-15.273	309	3.273	Vertical	5	1000000	0	17.104
Avg	7.3266 GHz	48.958	54	-5.042	121	3.617	Vertical	5	1000000	0	7.569
Avg	14.854 GHz	43.788	54	-10.212	152	2.742	Vertical	5	1000000	0	14.761
Avg	16.924 GHz	45.474	54	-8.526	309	3.273	Vertical	5	1000000	0	17.104
Peak	4.8842 GHz	52.268	74	-21.732	214	2.919	Horizontal	5	1000000	0	0.341
Peak	7.3256 GHz	62.666	74	-11.334	144	2.738	Horizontal	5	1000000	0	7.568
Peak	13.711 GHz	57.357	74	-16.643	229	3.091	Horizontal	5	1000000	0	14.606

Source	Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Meas. Time (s)	RBW	Meas.Time	Correction (dB)
Peak	16.569 GHz	57.217	74	-16.783	202	2.919	Horizontal	5	1000000	0	15.411
Avg	4.8842 GHz	41.875	54	-12.125	214	2.919	Horizontal	5	1000000	0	0.341
Avg	7.3256 GHz	52.845	54	-1.155	144	2.738	Horizontal	5	1000000	0	7.568
Avg	13.711 GHz	43.889	54	-10.111	229	3.091	Horizontal	5	1000000	0	14.606
Avg	16.569 GHz	43.857	54	-10.143	202	2.919	Horizontal	5	1000000	0	15.411

**Table 6: Transmitting on Middle 2442MHz – 1-17GHz Radiated Emissions**


Source	Frequency	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Meas. Time (s)	RBW	Meas.Time	Correction (dB)
Peak	7.4407 GHz	59.027	74	-14.973	119	3.617	Vertical	5	1000000	0	7.691
Peak	14.927 GHz	57.908	74	-16.092	300	3.444	Vertical	5	1000000	0	15.133
Peak	16.92 GHz	59.057	74	-14.943	114	2.742	Vertical	5	1000000	0	17.137
Avg	7.4407 GHz	46.982	54	-7.018	119	3.617	Vertical	5	1000000	0	7.691
Avg	14.927 GHz	44.374	54	-9.626	300	3.444	Vertical	5	1000000	0	15.133
Avg	16.92 GHz	45.508	54	-8.492	114	2.742	Vertical	5	1000000	0	17.137
Peak	4.9594 GHz	48.952	74	-25.048	18	3.793	Horizontal	5	1000000	0	0.553
Peak	7.4393 GHz	61.124	74	-12.876	72	3.621	Horizontal	5	1000000	0	7.703
Peak	15.027 GHz	57.334	74	-16.666	300	2.738	Horizontal	5	1000000	0	14.813
Peak	16.997 GHz	59.062	74	-14.938	75	1.647	Horizontal	5	1000000	0	16.78
Avg	4.9594 GHz	36.153	54	-17.847	18	3.793	Horizontal	5	1000000	0	0.553
Avg	7.4393 GHz	49.866	54	-4.134	72	3.621	Horizontal	5	1000000	0	7.703
Avg	15.027 GHz	43.954	54	-10.046	300	2.738	Horizontal	5	1000000	0	14.813
Avg	16.997 GHz	45.041	54	-8.959	75	1.647	Horizontal	5	1000000	0	16.78

**Table 7: Transmitting on High 2480MHz – 1-17GHz Radiated Emissions**



Source	Frequency	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Pol.	Meas. Time (s)	RBW	Meas. Time	Correction (dB)
Peak	18.236 GHz	45.442	74	-28.558	123	Vertical	5	1000000	0	-6.04
Peak	20.72 GHz	51.515	74	-22.485	188	Vertical	5	1000000	0	-5.439
Peak	22.993 GHz	46.265	74	-27.735	312	Vertical	5	1000000	0	-4.579
Avg	18.236 GHz	32.532	54	-21.468	123	Vertical	5	1000000	0	-6.04
Avg	20.72 GHz	45.419	54	-8.581	188	Vertical	5	1000000	0	-5.439
Avg	22.993 GHz	33.661	54	-20.339	312	Vertical	5	1000000	0	-4.579
Peak	17.362 GHz	48.277	74	-25.723	107	Horizontal	5	1000000	0	-5.868
Peak	20.72 GHz	51.047	74	-22.953	270	Horizontal	5	1000000	0	-5.439
Peak	23.668 GHz	47.555	74	-26.445	277	Horizontal	5	1000000	0	-4.415
Avg	17.362 GHz	34.506	54	-19.494	107	Horizontal	5	1000000	0	-5.868
Avg	20.72 GHz	44.4	54	-9.6	270	Horizontal	5	1000000	0	-5.439
Avg	23.668 GHz	34.414	54	-19.586	277	Horizontal	5	1000000	0	-4.415

**Table 8: Transmitting on High 2480MHz – 17-26GHz Radiated Emissions**

---

## 5.6 §15.247(e) Maximum Average Power Spectral Density

The maximum average power spectral density conducted from the intentional radiator of the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. Results of this testing are summarized.

<b>Frequency (MHz)</b>	<b>Measurement (dBm)</b>	<b>Criteria (dBm)</b>
2402	1.07	8.0
2442	17.60	8.0
2480	17.58	8.0

### Result

The maximum average power spectral density was less than the limit of 8 dBm; therefore, the EUT complies with the specification.

-- End of Test Report --