



427 West 12800 South
Draper, UT 84020

Test Report Certification

FCC ID	SWX-U6EXT
ISED ID	6545A-U6EXT
Equipment Under Test	U6-Extender
Test Report Serial Number	TR4930_03
Date of Test(s)	25 June and 6, 8 July 2020
Report Issue Date	14 July 2020

Test Specification	Applicant
47 CFR FCC Part 15, Subpart E	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 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.

Applicant	Ubiquiti Inc.
Manufacturer	Ubiquiti Inc.
Brand Name	Unifi
Model Number	U6-Extender
FCC ID	SWX-U6EXT
ISED ID	6545A-U6EXT


On this 14th day of July 2020, 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 federal government.

Unified Compliance Laboratory



Written By: Joseph W. Jackson



Reviewed By: Alex Macon

Revision History		
Revision	Description	Date
01	Original Report Release	14 July 2020
02	Amended Section 2.2, Added Conducted Disturbance at Main Port Data and Radiated Plots	21 July 2020
03	Added KDB 662911 Reference in Table 3.3.1	27 July 2020

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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	Mark Feil
Title	Compliance Manager

1.2 Manufacturer

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

2 Equipment Under Test (EUT)

2.1 Identification of EUT

Brand Name	Unifi
Model Number	U6-Extender
Serial Number	7483C29FF507
Dimensions (cm)	16.97 x 11.22 x 3.22

2.2 Description of EUT

The U6-Extender is to extend WiFi 6 coverage and to increase throughput in a home or office. The U6-Extender has 4x4 MIMO for the WiFi 6 technology. The U6-Extender is designed to be installed into any environment and plugs directly in a standard US wall outlet. The U6-Extender operates in the 2.4 MHz band and the 5 GHz band. The U6-Extender is for indoor use and is powered from mains power at 120 – 240 Volts, 50/60 Hz. The current version of firmware used in the U6_Extender is version 1.0.

Band	Modulation Bandwidth	Frequency (MHz)
UNII-1	20 MHz	5180, 5200, 5220, 5240
	40 MHz	5190, 5230
	80 MHz	5210
UNII-3	20 MHz	5745, 5765, 5785, 5805, 5825
	40 MHz	5755, 5795
	80 MHz	5775

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 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: UniFi MN: U6-Extender (Note 1) SN: 7483C29FF507	WiFi Access Point	See Section 2.4
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

Name of Ports	No. of Ports Fitted to EUT	Cable Description/Length
AC Power	1	N/A

2.5 Operating Environment

Power Supply	120/240 VAC
AC Mains Frequency	50/60 Hz
Temperature	23.7 °C
Humidity	27.3 %
Barometric Pressure	1007 mBar

2.6 Operating Modes

The U6-Extender was tested using test software in order to enable to constant transmission of over 98% All emission modes of 802.11 a/n/ac were investigated.

2.7 EUT Exercise Software

Ubiquiti test software and firmware were used to control the transceivers of the EUT. (ART)

2.8 Block Diagram of Test Configuration

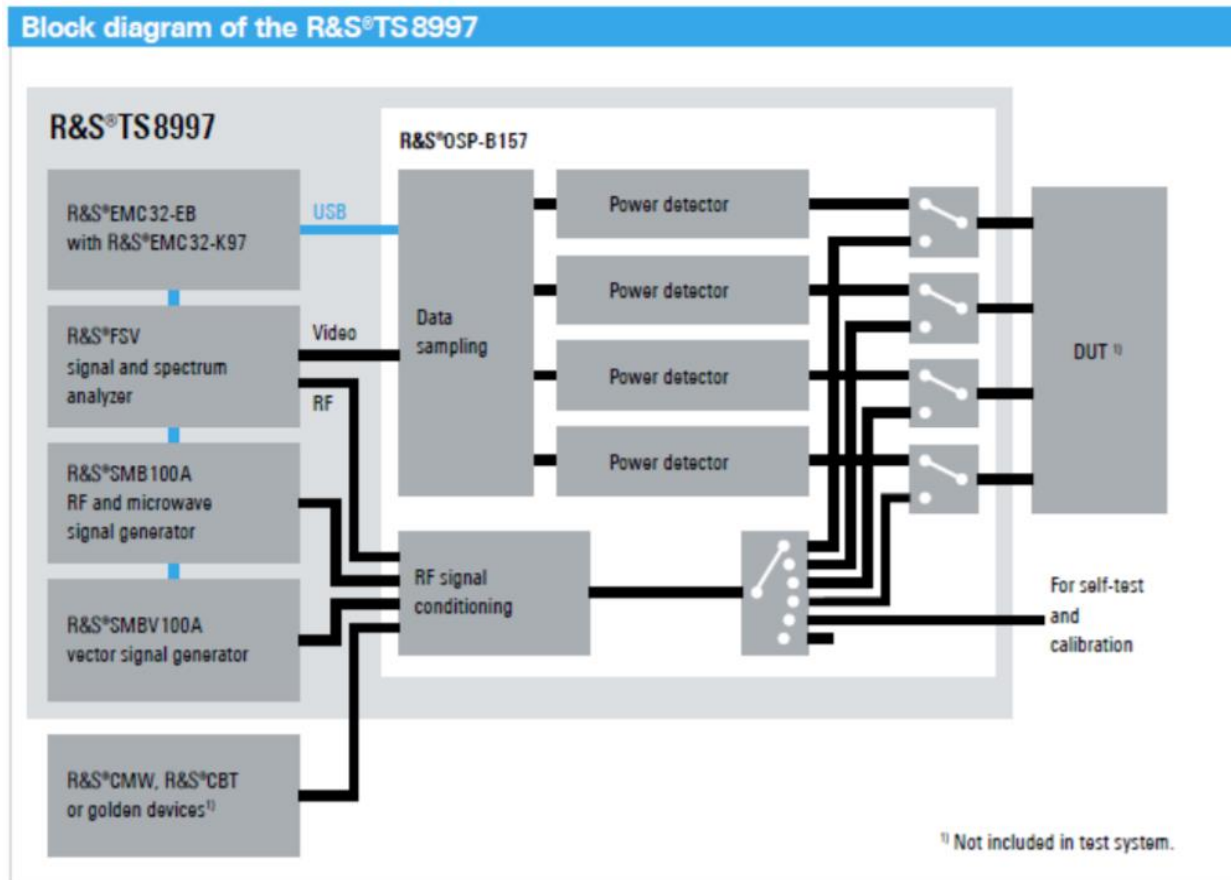


Diagram 1: Test Configuration Block Diagram

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
15.407(a)	N/A	Antenna requirements	Structural Requirement	Compliant
15.407(b)	RSS-Gen	Conducted Disturbance at Mains Port	0.15 to 30	Compliant
15.407(c)	RSS-247 §6.2.2, §6.2.3	Bandwidth Requirement	5150 to 5250	Compliant
15.407(e)	RSS-247 §6.2.2, §6.2.3	Peak Output Power	5150 to 5250	Compliant
15.407(f)	RSS-247 §6.2.2, §6.2.3	Antenna Conducted Spurious Emissions	0.009 to 40000	N/A
15.407(g)	RSS-247 §6.2.2, §6.2.3	Radiated Spurious Emissions	0.009 to 40000	Compliant
15.407(h)	RSS-247 §6.2.2, §6.2.3	Peak Power Spectral Density	5150 to 5250	Compliant
The testing was performed according to the procedures in ANSI C63.10-2013, KDB 789033 and 47 CFR Part 15. The conducted power was summed per FCC KDB 662911 in sections 5.4 and 5.6				

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 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 2021. ISED No. 25346, effective until July 31, 2020. Unified Compliance Laboratory has been assigned Conformity assessment Number US0223 by ISED.

4 Test Equipment

4.1 Conducted Emissions at Main Ports

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
EMI Receiver	AFJ	FFT3010	UCL-2500	12/14/2018	8/17/2020
LISN	AFJ	LS16C/10	UCL-2512	5/26/2020	5/26/2021
AC Power Source	Laplace Instruments	AC1000A	UCL-2857	N/A	N/A
Monitoring Probe	Teseq	MD 4070A	UCL-2980	3/16/2019	7/21/2020
Test Software	UCL	Revision 1	UCL-3107	N/A	N/A

Table 1: List of equipment used for Direct Connect at the Antenna Port

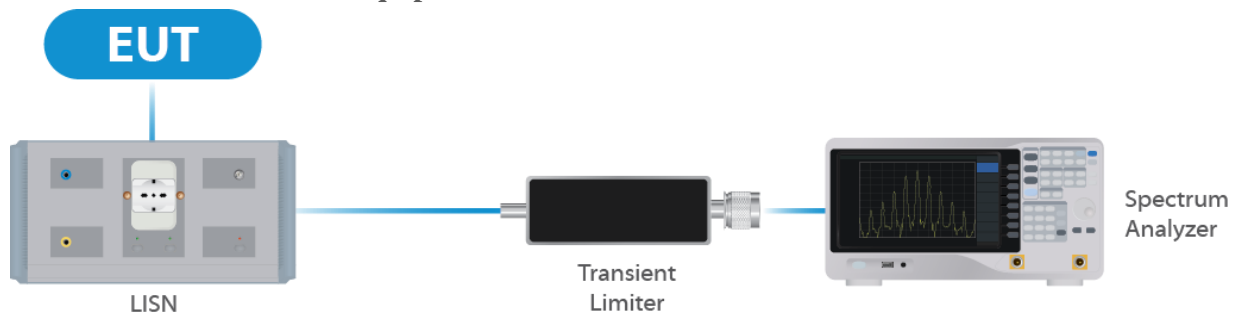


Figure 1: Conducted Emissions Test

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	06/12/2019	08/10/2020
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	06/13/2019	06/13/2020
Switch Extension	R&S	OSP-150W	UCL-2870	06/14/2019	06/14/2020

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

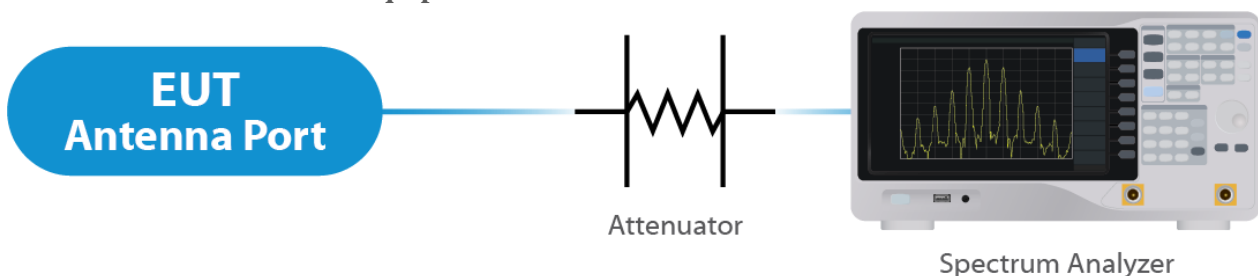


Figure 2: Direct Connect at the Antenna Port Test

4.3 Radiated Emissions

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
Spectrum Analyzer	R&S	FSV40	UCL-2861	06/12/2019	08/10/2020
Pre-Amplifier	Sonoma Instruments	310N	UCL-2889	9/13/2018	7/16/2020
Double Ridge Horn Antenna	Scwarzbeck	BBHA 9120D	UCL-3065	4/11/2019	8/3/2020
Log Periodic	Scwarzbeck	STLP 9129	UCL-3068	4/11/2019	8/3/2020
15 - 40 GHz Horn Antenna	Scwarzbeck	BBHA 9170	UCL-2487	5/21/2020	5/21/2021
18 – 40 GHz Amplifier	Scwarzbeck	BBV 9721	UCL-2490	4/1/2019	6/1/2020
0.5 – 18 GHz Amplifier	Scwarzbeck	BBV 9718C	UCL-2493	4/1/2019	6/1/2020
Loop Antenna	Com-Power	AL-130R	UCL-2596	10/26/2018	6/23/2020
Test Software	UCL	Revision 1	UCL-3108	N/A	N/A

Table 3:List of equipment used for Radiated Emissions

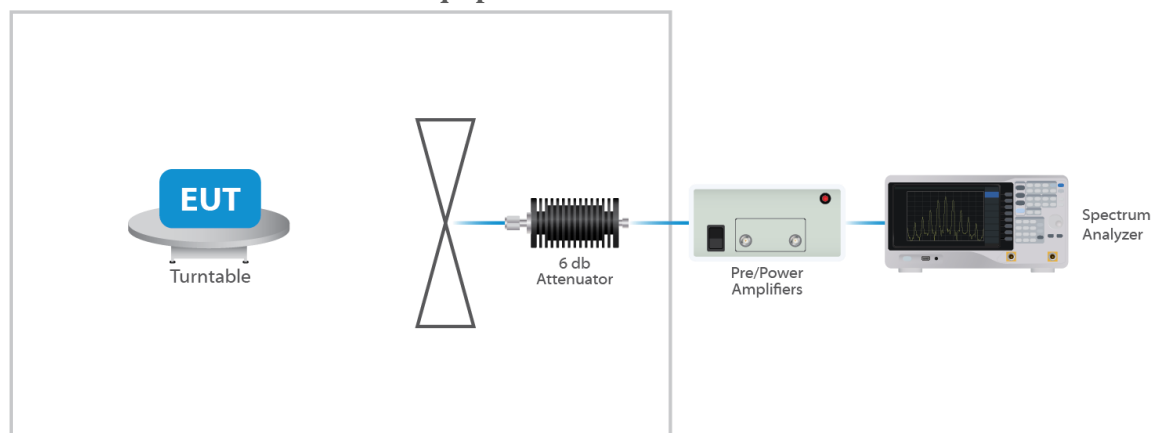


Figure 3: Radiated Emissions Test

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)	3.95	95
Radiated Emissions (1 GHz to 18 GHz)	5.56	95
Radiated Emissions (18 GHz to 40 GHz)	5.16	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 integral antenna. The Maximum gain of the antenna is 5.5 dBi. The antenna is not user replaceable.

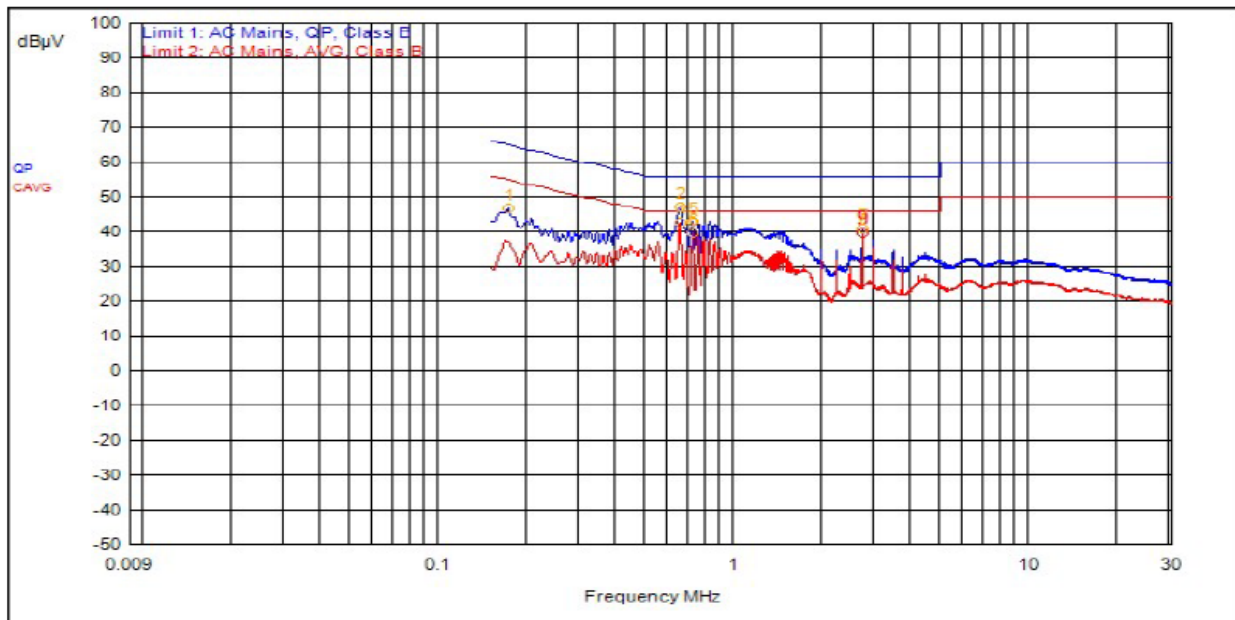
Results

The EUT complied with the specification

5.2 §15.407(b) Conducted Emissions at Mains Ports Data

5.2.1 Hot Lead

Frequency (MHZ)	Detector	Receiver Measured Level (dBμV)	Correction Factor (dB/m)	Corrected Receiver Level (dBμV)	Limit Class B Limit (dBμV)	Margin (dB)
0.651	Average (Note 1)	30.3	12.3	42.60	46.0	- 3.40
2.69	Average (Note 1)	27.3	12.3	39.60	46.0	- 6.40
0.717	Average (Note 1)	27.2	12.3	39.50	46.0	- 6.50
0.651	Quasi-Peak (Note 1)	34.7	12.3	47.00	56.0	- 9.00
0.717	Quasi-Peak (Note 1)	30.8	12.3	43.10	56.0	- 12.90
2.69	Quasi-Peak (Note 1)	28.6	12.3	40.90	56.0	- 15.10
0.171	Quasi-Peak (Note 1)	34.2	12.3	46.50	64.9	- 18.40
Note 1: The reference detector used for the measurements was quasi-peak and average and the data was compared to the respective limits. Note 2: The limits of CISPR 32/22 were applied						
Sample Field Strength Calculation $\text{Correction Factor} = \text{LISN Insertion Loss} + \text{Cable Insertion Loss} + \text{Transient Limiter Insertion Loss}$ $\text{Conducted Emissions Amplitude} = \text{Receiver Reading} + \text{Correction Factor}$						



5.2.2 Neutral Lead

Frequency (MHZ)	Detector	Receiver Measured Level (dBμV)	Correction Factor (dB/m)	Corrected Receiver Level (dBμV)	Limit Class B Limit (dBμV)	Margin (dB)
2.69	Average (Note 1)	29.5	12.3	41.80	46.0	- 4.20
0.681	Average (Note 1)	28.3	12.3	40.60	46.0	- 5.40
0.615	Average (Note 1)	27.4	12.3	39.70	46.0	- 6.30
0.618	Quasi-Peak (Note 1)	32.5	12.3	44.80	56.0	- 11.20
0.681	Quasi-Peak (Note 1)	32.1	12.3	44.40	56.0	- 11.60
2.69	Quasi-Peak (Note 1)	30.5	12.3	42.80	56.0	- 13.20
0.171	Quasi-Peak (Note 1)	29.6	12.2	41.80	64.9	- 23.10

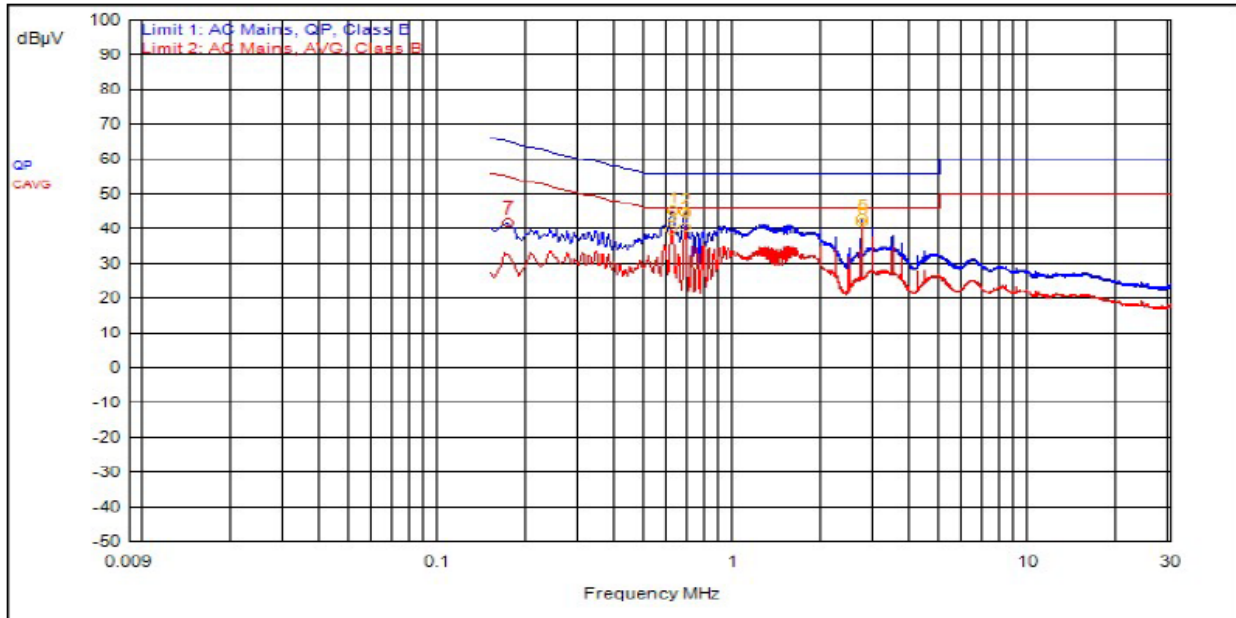
Note 1: The reference detector used for the measurements was quasi-peak and average and the data was compared to the respective limits.

Note 2: The limits of CISPR 32/22 were applied

Sample Field Strength Calculation

Correction Factor = LISN Insertion Loss + Cable Insertion Loss + Transient Limiter Insertion Loss

Conducted Emissions Amplitude = Receiver Reading + Correction Factor



5.3 §15.403(i) Emissions Bandwidth

Nominal BW (MHz)	Frequency (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)
20	5180	19.1	19.8
20	5210	19.2	19.8
20	5240	19.5	26.8
40	5190	37.75	39.15
40	5230	37.75	39.15
80	5210	77.00	81.00

Result

The 26 dB bandwidths are reported for information purposes. Please see Annex for all bandwidth measurements.

5.4 §15.403(a)(1) Maximum Average Output Power

The maximum average RF conducted output power measured for this device was 28.1 dBm or 645.65 mW. The limit is 30 dBm, or 1 Watt when using antennas with 6 dBi or less gain. The antenna has a gain of 5.5 dBi.

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power	Measured EIRP	Measured PSD
OFDM 20	5180	Mcs0	17	24.8	30.3	11.0
OFDM 20	5200	Mcs0	19	26.3	31.8	--
OFDM 20	5210	Mcs0	19.5	26.9	32.4	13.3
OFDM 20	5240	Mcs0	21	27.8	33.3	14.4
HT 20	5180	Mcs0	16.5	24.1	29.6	10.2
HT 20	5200	Mcs0	18.5	26.3	31.8	--
HT 20	5210	Mcs0	19	26.4	31.9	12.6
HT 20	5240	Mcs0	21	28.1	33.6	14.0
HT 40	5190	Mcs0	14.5	22.2	27.7	6.9
HT 40	5230	Mcs0	18.5	25.9	31.4	10.8
VHT 20	5180	Mcs0	15	22.6	28.1	8.8
VHT 20	5200	Mcs0	18.5	25.7	31.2	--
VHT 20	5210	Mcs0	19.5	25.4	30.9	11.7
VHT 20	5240	Mcs0	21	26.6	32.1	12.9
VHT 40	5190	Mcs0	15	22.6	28.1	7.4
VHT 40	5230	Mcs0	17	24.3	29.8	9.3
VHT 80	5210	Mcs0	13	20.9	26.4	2.1
HE 20	5180	Mcs0	17	23.8	29.3	9.2
HE 20	5200	Mcs0	18.5	25.0	30.5	--
HE 20	5210	Mcs0	19	25.7	31.2	11.4
HE 20	5240	Mcs0	21	27.2	32.7	13.0
HE 40	5190	Mcs0	15	21.8	27.3	6.2
HE 40	5230	Mcs0	18.5	25.0	30.5	9.3
HE 80	5210	Mcs0	13	20.9	26.4	2.1

Result

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

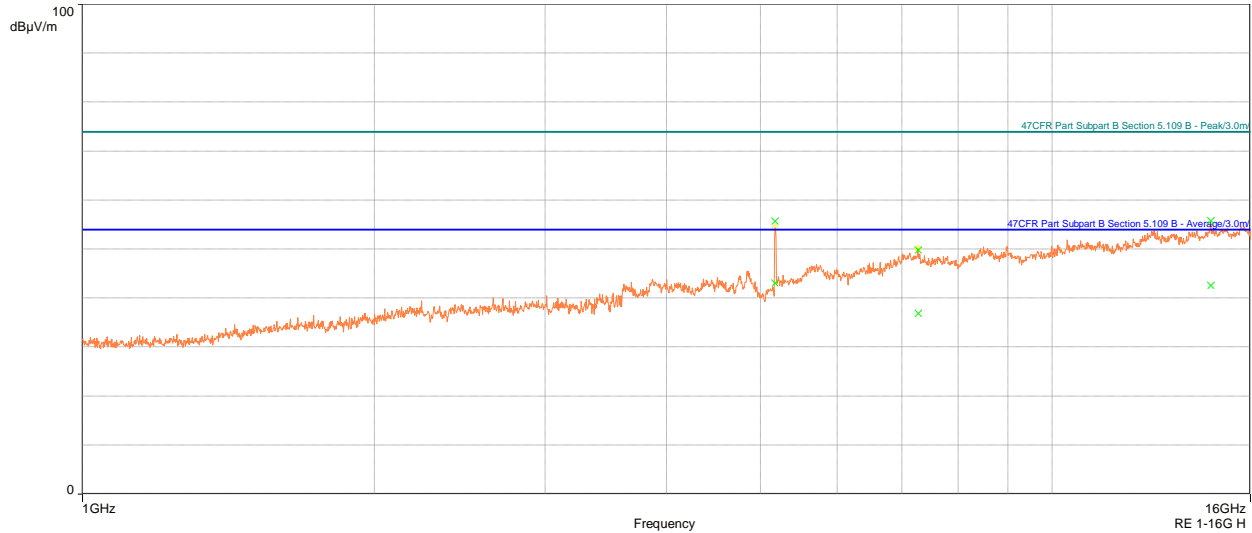
5.5 Radiated Spurious Emissions in the Restricted Bands of § 15.205

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 TP 21.0, 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 5190 MHz was measured using radiated measurement. All emissions modes were tested and the worse-case measurements are shown below.

Result

All emissions in and outside of the restricted bands of § 15.205 met the limits specified in § 15.209; therefore, the EUT complies with the specification. See below for band edge plots

Frequency (MHZ)	Antenna Polarity	Detector	Correction Factor (dB)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
31.76	Vertical	QuasiPeak	-11.21	20.98	30.00	-9.02
228.30	Vertical	QuasiPeak	-12.58	17.98	30.00	-12.02
31.86	Horizontal	QuasiPeak	-11.19	22.78	30.00	-7.22
219.72	Horizontal	QuasiPeak	-13.23	13.49	30.00	-16.51
226.83	Horizontal	QuasiPeak	-12.68	17.04	30.00	-12.96
229.26	Horizontal	QuasiPeak	-12.53	18.64	30.00	-11.36
778.70	Horizontal	QuasiPeak	-1.48	25.25	37.00	-11.75
9018.7	Vertical	Average	10.27	36.99	54.00	-17.01
10357	Vertical	Average	11.28	43.99	54.00	-10.01
15732	Vertical	Average	14.63	42.75	54.00	-11.25
7269.8	Horizontal	Average	9.12	36.88	54.00	-17.12
14561	Horizontal	Average	15.45	42.56	54.00	-11.44
10357	Vertical	Peak	11.28	58.32	74.00	-15.68
15732	Vertical	Peak	14.63	55.85	74.00	-18.15
14561	Horizontal	Peak	15.45	55.76	74.00	-18.24
33748	Vertical	Average	2.65	39.42	54.00	-14.58
39990	Vertical	Average	5.12	43.40	54.00	-10.60
38962	Horizontal	Average	4.50	42.73	54.00	-11.27
39045	Horizontal	Average	4.72	42.70	54.00	-11.30
39597	Horizontal	Average	4.96	42.41	54.00	-11.59
39999	Horizontal	Average	5.10	43.26	54.00	-10.74
39990	Vertical	Peak	5.12	56.50	74.00	-17.50
38962	Horizontal	Peak	4.50	55.92	74.00	-18.08
39045	Horizontal	Peak	4.72	57.34	74.00	-16.66
39597	Horizontal	Peak	4.96	55.71	74.00	-18.29
39999	Horizontal	Peak	5.10	56.69	74.00	-17.31

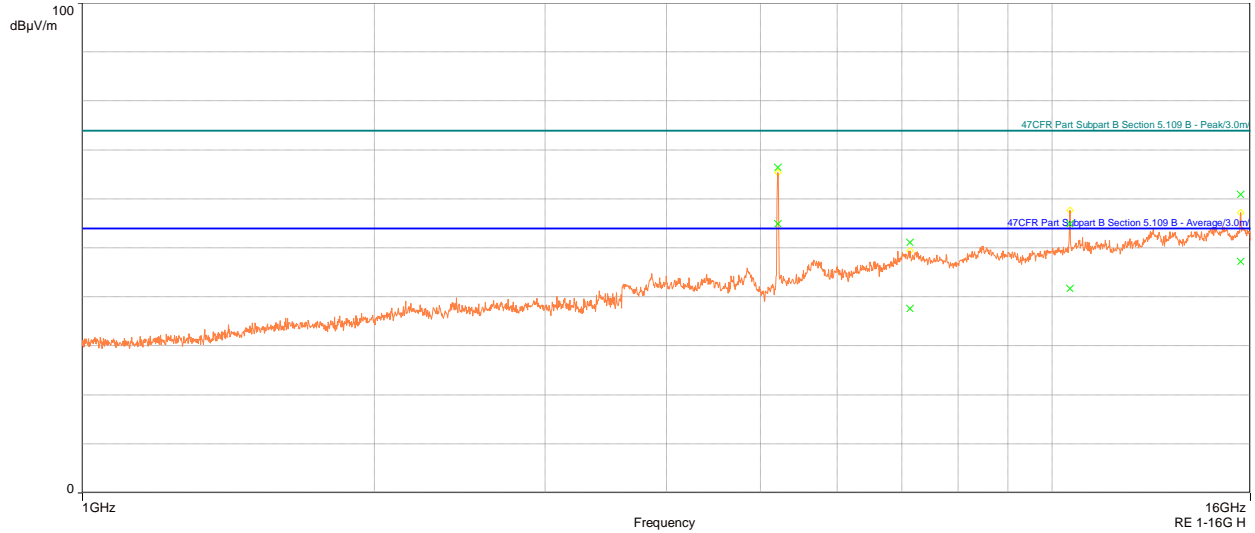
Table 1: Transmitting on the Lowest Frequency 5180 MHz


Frequency (MHZ)	Antenna Polarity	Detector	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
8395.2	Vertical	Average	10.31	37.71	54.00	-16.29
10418	Vertical	Average	11.62	38.60	54.00	-15.40
15650	Vertical	Average	14.57	43.25	54.00	-10.75
7131	Horizontal	Average	9.58	37.63	54.00	-16.37
10425	Horizontal	Average	11.66	41.72	54.00	-12.28
15627	Horizontal	Average	14.58	47.21	54.00	-6.79
8395.2	Vertical	Peak	10.31	50.99	74.00	-23.01
10418	Vertical	Peak	11.62	51.93	74.00	-22.07
15650	Vertical	Peak	14.57	56.63	74.00	-17.37
7131	Horizontal	Peak	9.58	51.19	74.00	-22.81
10425	Horizontal	Peak	11.66	54.93	74.00	-19.07
15627	Horizontal	Peak	14.58	60.94	74.00	-13.06
31035	Vertical	Average	0.24	37.37	54.0	-16.63
33658	Vertical	Average	2.57	39.57	54.0	-14.43
39020	Vertical	Average	4.70	42.78	54.0	-11.22
38812	Horizontal	Average	3.76	41.93	54.0	-12.07
39121	Horizontal	Average	4.52	42.08	54.0	-11.92
39597	Horizontal	Average	4.96	42.36	54.0	-11.64
39922	Horizontal	Average	5.06	42.80	54.0	-11.20
31035	Vertical	Peak	0.24	50.36	74.0	-23.64
33658	Vertical	Peak	2.57	53.15	74.0	-20.85
39020	Vertical	Peak	4.70	55.79	74.0	-18.21
38812	Horizontal	Peak	3.76	55.09	74.0	-18.91

39121	Horizontal	Peak	4.52	55.99	74.0	-18.01
39597	Horizontal	Peak	4.96	55.61	74.0	-18.39
39922	Horizontal	Peak	5.06	56.22	74.0	-17.78

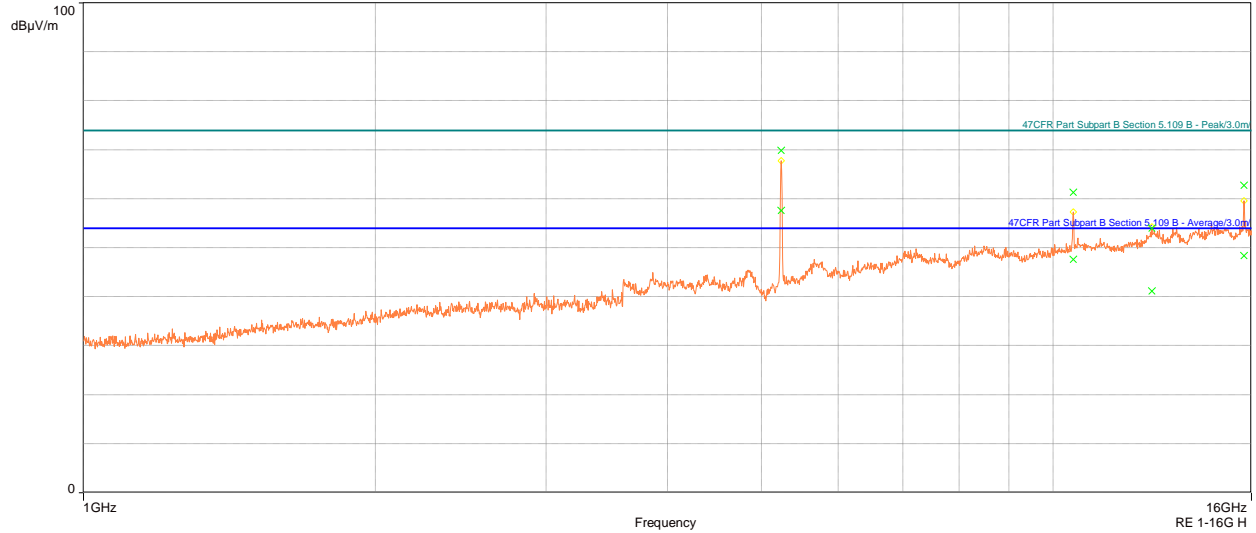
Note 1: Change in Channel did not affect the measurements in the 30 – 1000 MHz range

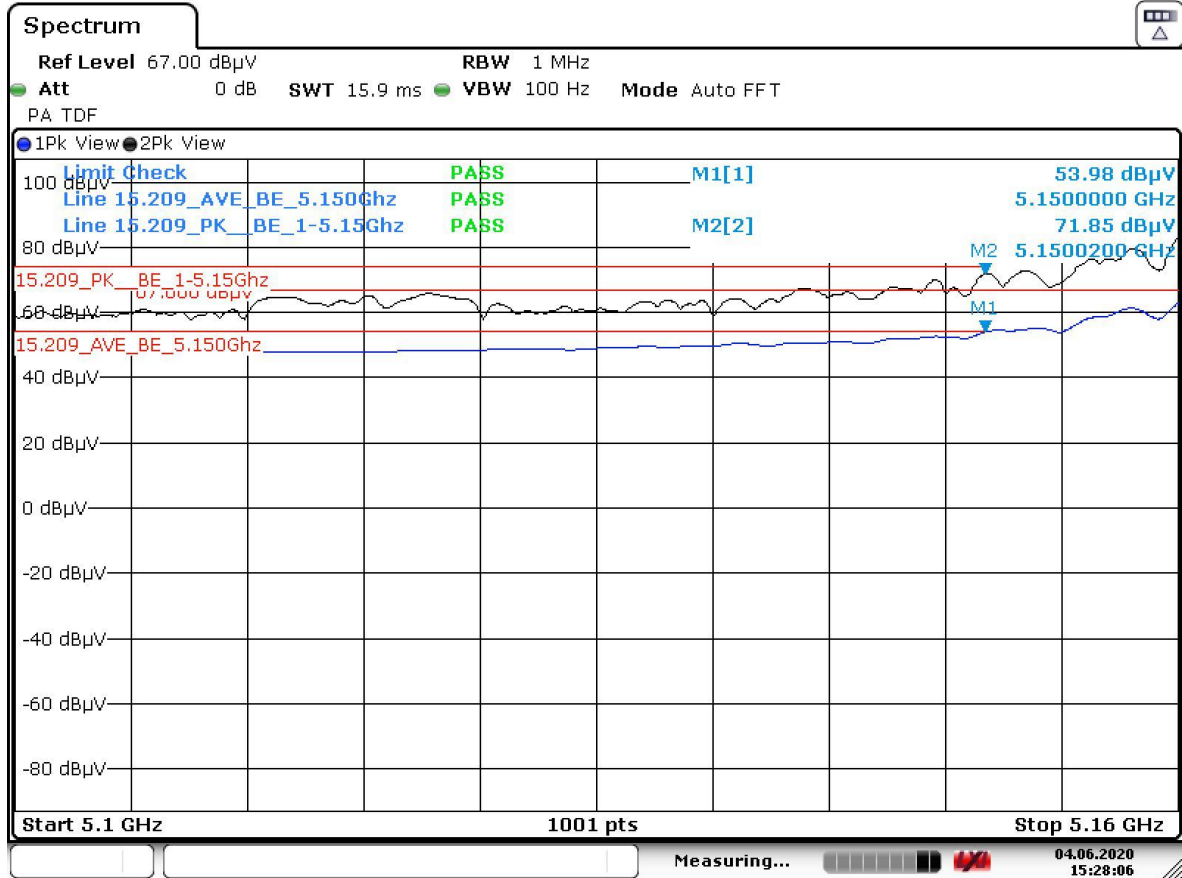
Table 2: Transmitting on the Middle Channel 5210



Frequency (MHz)	Antenna Polarity	Detector	Correction Factor (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)
10482	Vertical	Average	11.75	46.79	54.00	-7.21
15720	Vertical	Average	14.57	44.16	54.00	-9.84
10479	Horizontal	Average	11.75	47.68	54.00	-6.32
12632	Horizontal	Average	14.37	41.19	54.00	-12.81
15720	Horizontal	Average	14.57	48.41	54.00	-5.59
10482	Vertical	Peak	11.75	59.60	74.00	-14.40
15720	Vertical	Peak	14.57	58.08	74.00	-15.92
10479	Horizontal	Peak	11.75	61.33	74.00	-12.67
12632	Horizontal	Peak	14.37	53.99	74.00	-20.01
15720	Horizontal	Peak	14.57	62.73	74.00	-11.27
31329	Vertical	Average	0.87	36.13	54.0	-17.87
37392	Vertical	Average	2.63	39.49	54.0	-14.51
38908	Vertical	Average	4.20	39.90	54.0	-14.10
38775	Horizontal	Average	3.66	39.77	54.0	-14.23
39066	Horizontal	Average	4.68	39.92	54.0	-14.08
39508	Horizontal	Average	4.74	40.67	54.0	-13.33
39790	Horizontal	Average	4.74	39.88	54.0	-14.12
31329	Vertical	Peak	0.87	49.94	74.0	-24.06
37392	Vertical	Peak	2.63	53.61	74.0	-20.39

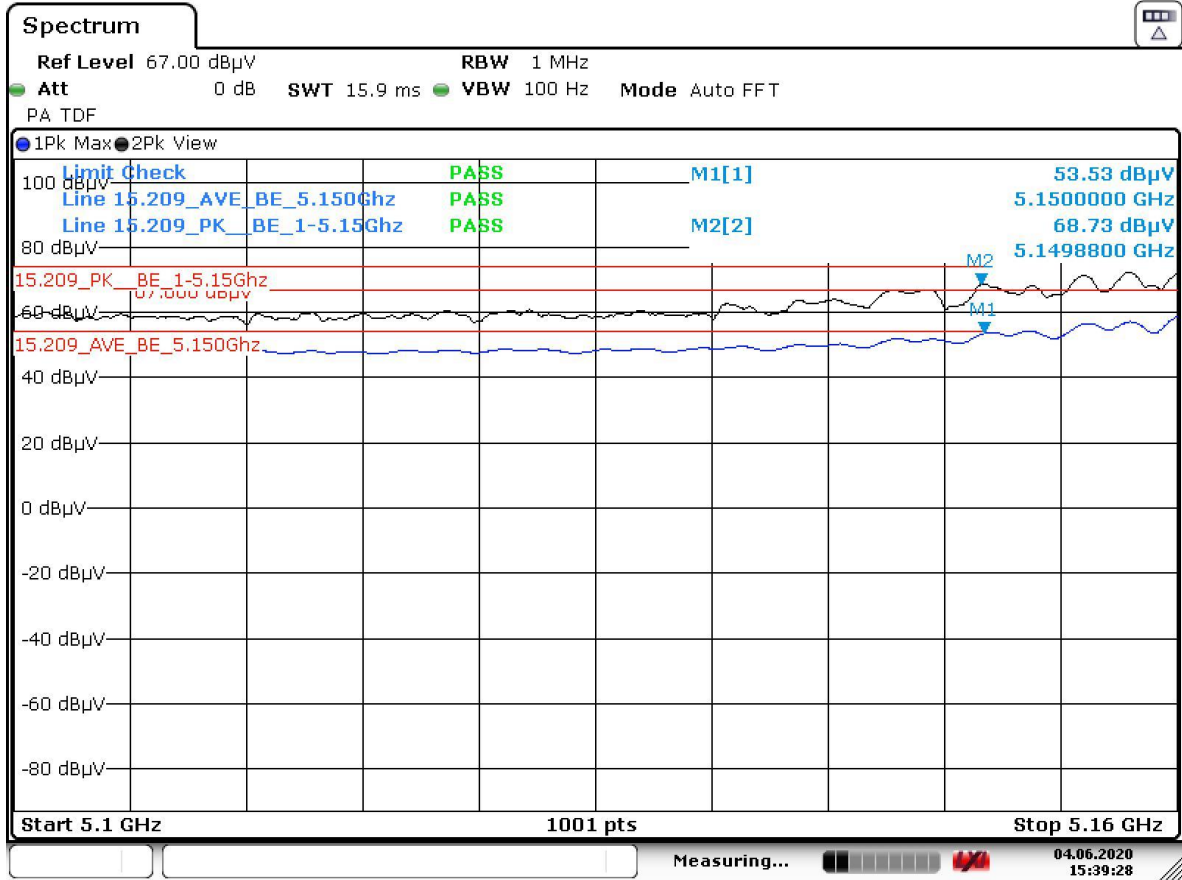
38908	Vertical	Peak	4.20	53.01	74.0	-20.99
38775	Horizontal	Peak	3.66	53.17	74.0	-20.83
39066	Horizontal	Peak	4.68	52.78	74.0	-21.22
39508	Horizontal	Peak	4.74	53.99	74.0	-20.01
39790	Horizontal	Peak	4.74	53.30	74.0	-20.70
Note 1: Change in Channel did not affect the measurements in the 30 – 1000 MHz range						

Table 3: Transmitting on the Highest Channel 5240




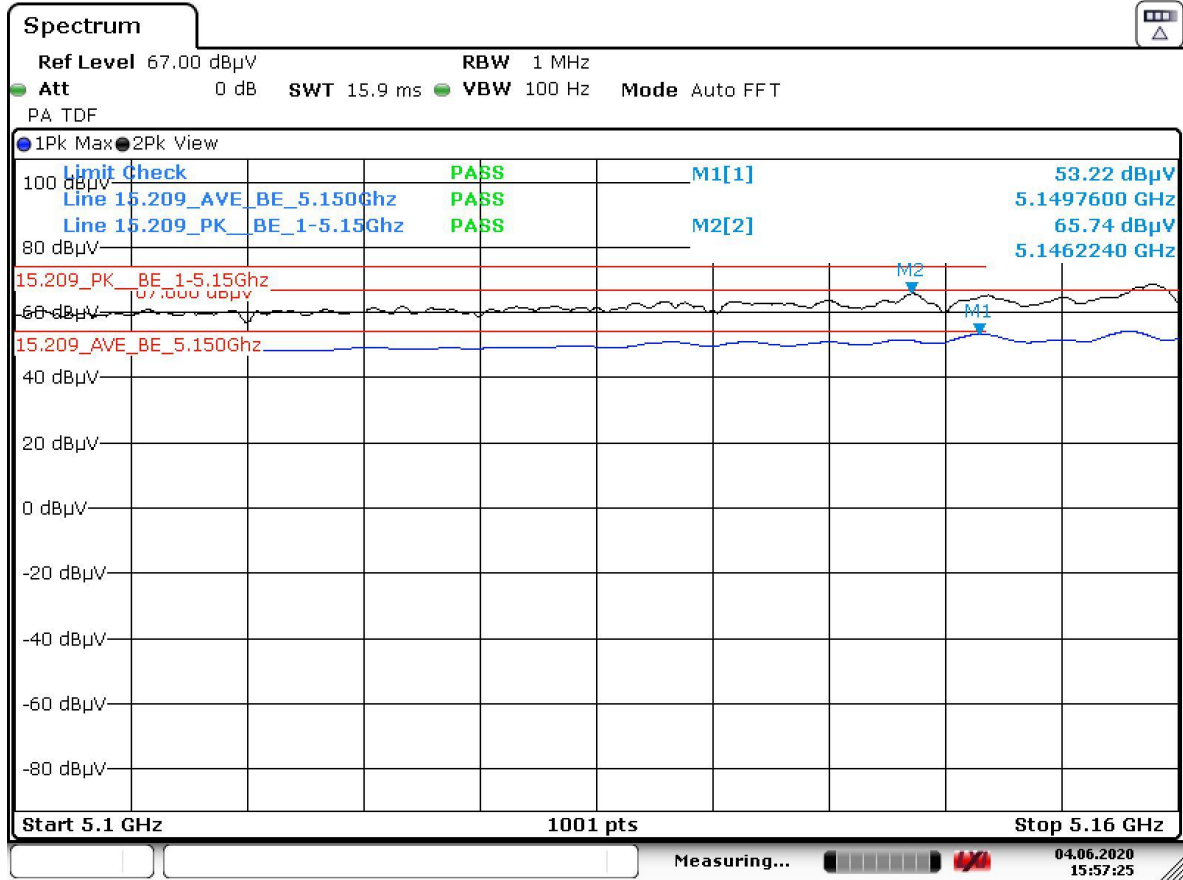
Date: 4.JUN.2020 15:28:07

20MHz 5180 MHz Band Edge



Date: 4.JUN.2020 15:39:29

40MHz 5190 MHz Band Edge



Date: 4.JUN.2020 15:57:25

80MHz 5210 MHz Band Edge

5.6 §15.407(a) Maximum Power Spectral Density

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.

Results of this testing are summarized.

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power	Measured EIRP	Measured PSD
OFDM 20	5180	Mcs0	17	24.8	30.3	11.0
OFDM 20	5200	Mcs0	19	26.3	31.8	--
OFDM 20	5210	Mcs0	19.5	26.9	32.4	13.3
OFDM 20	5240	Mcs0	21	27.8	33.3	14.4
HT 20	5180	Mcs0	16.5	24.1	29.6	10.2
HT 20	5200	Mcs0	18.5	26.3	31.8	--
HT 20	5210	Mcs0	19	26.4	31.9	12.6
HT 20	5240	Mcs0	21	28.1	33.6	14.0
HT 40	5190	Mcs0	14.5	22.2	27.7	6.9
HT 40	5230	Mcs0	18.5	25.9	31.4	10.8
VHT 20	5180	Mcs0	15	22.6	28.1	8.8
VHT 20	5200	Mcs0	18.5	25.7	31.2	--
VHT 20	5210	Mcs0	19.5	25.4	30.9	11.7
VHT 20	5240	Mcs0	21	26.6	32.1	12.9
VHT 40	5190	Mcs0	15	22.6	28.1	7.4
VHT 40	5230	Mcs0	17	24.3	29.8	9.3
VHT 80	5210	Mcs0	13	20.9	26.4	2.1
HE 20	5180	Mcs0	17	23.8	29.3	9.2
HE 20	5200	Mcs0	18.5	25.0	30.5	--
HE 20	5210	Mcs0	19	25.7	31.2	11.4
HE 20	5240	Mcs0	21	27.2	32.7	13.0
HE 40	5190	Mcs0	15	21.8	27.3	6.2
HE 40	5230	Mcs0	18.5	25.0	30.5	9.3
HE 80	5210	Mcs0	13	20.9	26.4	2.1

Result

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

-- End of Test Report --