

TEST REPORT

Class 2 Permissive Change

Report Number: 105964951MPK-007

Project Numbers G105964951

Report Issue Date: January 29, 2025

**Testing performed on
Communication Badge
Model Number: B7000**

**FCC ID: Z7AB7000
IC: 4919E-B7000**

to

**FCC Part 15 Subpart E (15.407)
ISED RSS-248 Issue3**

For

Stryker Medical

Test Performed by:

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Prepared by:

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Date: January 29, 2025

Reviewed by:



Anderson Soungpanya

Date: January 29, 2025

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Report No. 105964951MPK-007

Equipment Under Test:	Communication Badge
Model Number:	B7000
Applicant:	Stryker Medical
Contact:	Lionel Gabrillo
Address:	3030 Orchard Parkway San Jose, CA 95134
Country:	USA
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Applicable Regulation:	FCC Part 15, Subpart E (15.407) ISED RSS-248 Issue 3
Date of Test:	December 14, 2024 to January 8, 2025

We attest to the accuracy of this report:



Gabriel Carreon
EMC Project Engineer



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TABLE OF CONTENTS

1.0	Introduction	4
1.1	Summary of Tests	4
2.0	General Description	5
2.1	Product Description	5
2.2	Related Submittal(s) Grants.....	6
2.3	Test Methodology	6
2.4	Test Facility	6
2.5	Measurement Uncertainty	6
3.0	System Test Configuration	7
3.1	Support Equipment.....	7
3.2	Block Diagram of Test Setup.....	7
3.3	Justification	9
3.4	Mode of Operation During Test.....	9
3.5	Modifications required for Compliance.....	11
3.6	Additions, deviations and exclusions from standards	11
4.0	Measurement Results	12
4.1	Maximum Output Power	12
4.2	Transmitter Radiated Emissions	14
5.0	List of Test Equipment.....	88
6.0	Document History	89

1.0 Introduction**1.1 Summary of Tests**

Test	Reference FCC	Reference Industry Canada	Result
Conducted Output Power	15.407(a)(4-8)	RSS-248 4.5 Transmitter power	Complies
Undesirable Emissions	15.407(b)(6-11)	RSS-248 4.6 Unwanted emissions	Complies
Transmitter Radiated Emissions	15.407(b)(6-8) 15.209, 15.205	RSS-248 4.6 Unwanted emissions	Complies

EUT receive date: November 19, 2024**EUT receive condition:** The pre-production version of the EUT was received in good condition with no apparent damage. As declared by the Applicant, it is identical to the production units.**Test start date:** January 6, 2025**Test completion date:** January 14, 2025

The test results in this report pertain only to the item tested.

2.0 General Description

2.1 Product Description

Stryker Medical supplied the following description of the EUT:

A small, lightweight, wearable communication device powered by a removable, rechargeable Lithium-Ion battery. It is designed to simplify hospital communication and workflow and improve staff safety. A user can “wake up” and operate the device using only their voice, to stay connected even under restrictive PPE. They can make and receive calls and listen and respond to messages and alarm notifications. The badge contains a 1.2” color display with an array of microphones, a hands-free speaker and an audio receiver. A headset can also be used with the badge either through the USB-C port or Bluetooth connection.

Information about the WiFi radio is presented below:

For more information, refer to the following product specification, declared by the manufacturer.

The information about the 5GHz radio is presented below.

Radio Information	
Applicant	Stryker Medical
Model Number	B7000
Modulation Technique	16QAM, QPSK, BPSK for OFDM in 802.11a 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11ax
Rated RF Output	11.99 dBm
Frequency Range	U-NII 5: 5955 – 6415 MHz U-NII 6: 6435 – 6515 MHz U-NII 7: 6535 – 6875 MHz U-NII 8: 6895 – 7095 MHz
Type of modulation	OFDM, OFDMA
Number of Channel(s)	58 for 802.11a/n/ac/ax 20 MHz 29 for 802.11ax 40MHz 14 for 802.11ax 80MHz
Antenna(s) & Gain	Internal Antennas, Gain: 5925 – 7125: MHz: 3.04 dBi
Applicant Name & Address	Stryker Medical 3030 Orchard Parkway San Jose, CA 95134 USA

2.2 Related Submittal(s) Grants

None.

2.3 Test Methodology

Antenna conducted measurements were performed according to the FCC documents "Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E" (789033 D02 General U-NII Test Procedures New Rules v02r01).

Radiated emissions measurements were performed according to the procedures in ANSI C63.10: 2013. Radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the **"Data Sheet"** of this Application.

All other measurements were made in accordance with the procedures in part 2 of CFR 47.

2.4 Test Facility

The test site used to collect the radiated data is site 2 (3-m semi-anechoic chamber). This test facility and site measurement data have been fully placed on file with the FCC, IC and A2LA accredited.

2.5 Measurement Uncertainty

Compliance with the limits was based on the results of the measurements and doesn't take into account the measurement uncertainty.

Estimated Measurement Uncertainty

Measurement	Expanded Uncertainty (k=2)		
	0.15 MHz – 1 GHz	1 GHz – 6 GHz	> 6 GHz
RF Power and Power Density – antenna conducted	1.1 dB	1.5 dB	–
Unwanted emissions - antenna conducted	1.2 dB	1.7 dB	2.0 dB
Bandwidth – antenna conducted	50 Hz	100 Hz	–
Radiated emissions	4.2 dB	5.4 dB	
AC mains conducted emissions	2.4 dB	–	–

3.0 System Test Configuration

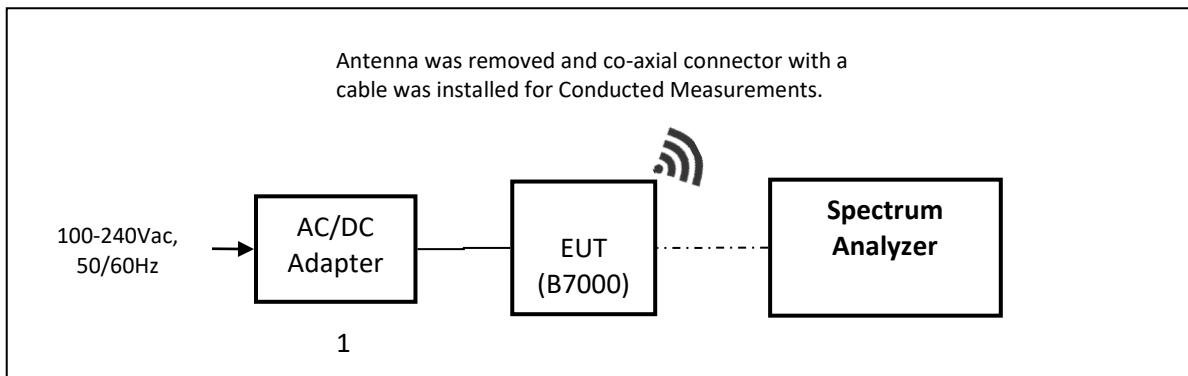
3.1 Support Equipment

Support Equipment				
ID	Description	Manufacturer	Model Number	Serial Number
1	AC/DC Adapter	Vocera	WB-10E05R	D1713N55000033
2	Wired Headset	Stryker Medical	230-02162	N/A

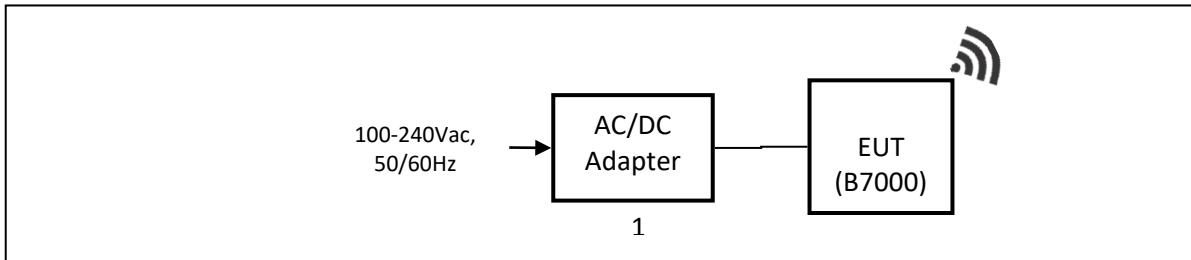
3.2 Block Diagram of Test Setup

Equipment Under Test			
Description	Manufacturer	Model	Serial Number
Communication Badge	Stryker Medical	B7000	MA3304M78005EA
Communication Badge	Stryker Medical	B7000	MA3304M78006FD

Conducted Measurements SETUP



Radiated Measurements SETUP



EUT Photos



3.3 Justification

Preliminary testing was performed for all modulation/data rate modes. The worse-case mode and data rate with highest power and widest spectrum were selected for final measurements:

OFDMA, MCS0 – for 802.11ax (20MHz, 40MHz, 80MHz) @ Charging Mode

For radiated emission measurements the EUT is placed on a non-conductive table. Testing was carried performed with the EUT attached to a charger and with the EUT attached to Headphones. The worst case data was with the charger and is presented in section 4.2 of this report.

EUT is designated as a client device operating under the control of an indoor access point.
Equipment Class 6XD.

3.4 Mode of Operation During Test

During transmitter testing, the transmitter was setup to transmit continuously using the maximum RF power setting provided by the manufacturers via test scripts. The corresponding output power in dBm can be found in section 4.2 of this report.

The table below reflects the RF power setting needed to be compliant with radiated restricted band edge requirements of 15.205 & 15.209.

Channel	Frequency MHz	802.11ax 20MHz BW RF Setting
1	5955	5.5
45	6175	5.5
93	6415	5.5
97	6435	4.5
105	6475	4.5
113	6515	4.5
117	6535	5.5
149	6695	5.5
185	6875	5.5
189	6895	5.5
209	6895	5.5
229	6895	5.5

Channel	Frequency MHz	802.11ax 40MHz BW RF Setting
3	5965	7.5
43	6165	7.5
91	6405	7.5
99	6445	7.5
107	6485	7.5
115	6525	7.5
147	6685	7.5
179	6845	7.5
187	6885	7.5
195	6925	7.5
227	7085	7.5

Channel	Frequency MHz	802.11ax 80MHz BW RF Setting
7	5985	7.5
39	6145	7.5
87	6385	7.5
103	6465	7.5
119	6545	7.5
151	6705	7.5
183	6945	7.5
215	7025	7.5

3.5 Modifications required for Compliance

Intertek installed no modifications during compliance testing in order to bring the product into compliance.

3.6 Additions, deviations and exclusions from standards

No additions, deviations or exclusion have been made from standard.

4.0 Measurement Results

4.1 Maximum Output Power FCC Rules 15.407(a)(4-8)

4.1.1 Requirement

(4) For a standard power access point and fixed client device operating in the 5.925-6.425 GHz and 6.525-6.875 GHz bands, the maximum power spectral density must not exceed 23 dBm e.i.r.p in any 1-megahertz band. In addition, the maximum e.i.r.p. over the frequency band of operation must not exceed 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(5) For an indoor access point operating in the 5.925-7.125 GHz band, the maximum power spectral density must not exceed 5 dBm e.i.r.p. in any 1-megahertz band. In addition, the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.

(6) For a subordinate device operating under the control of an indoor access point in the 5.925-7.125 GHz band, the maximum power spectral density must not exceed 5 dBm e.i.r.p in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm.

(7) For client devices, except for fixed client devices as defined in this subpart, operating under the control of a standard power access point in 5.925-6.425 GHz and 6.525-6.875 GHz bands, the maximum power spectral density must not exceed 17 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm and the device must limit its power to no more than 6 dB below its associated standard power access point's authorized transmit power.

(8) For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed -1 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

4.1.2 Procedure

The Procedure, described in the FCC Publication 789033 D02 General U-NII Test Procedures New Rules v02r01, was used. Specifically, Section E (2) (c) Method SA-1 for Maximum Conducted Output Power

The Procedure, described in the FCC Publication 789033 D02 General U-NII Test Procedures New Rules v02r01, was used. Specifically, procedure from Section F was utilized for Maximum Power Spectral Density (PSD).

Each antenna port of the EUT was connected to the input of a spectrum analyzer to measure the Maximum Conducted Transmitter Output Power & Peak Power Spectral Density (PPSD).

4.1.3 Test Results

Refer to the following plots for the test result:

Mode	Channel	Frequency	Output Power	Antenna Gain	EIRP	Required Limit*	Result
		MHz	dBm	dBi	dBm	dBm	
802.11ax 20MHz	1	5955	5.24	3.04	8.28	24	PASS
	45	6175	5.44	3.04	8.48	24	PASS
	93	6415	5.32	3.04	8.36	24	PASS
	97	6435	4.32	3.04	7.36	24	PASS
	105	6475	4.47	3.04	7.51	24	PASS
	113	6515	4.33	3.04	7.37	24	PASS
	117	6535	5.12	3.04	8.16	24	PASS
	149	6695	5.32	3.04	8.36	24	PASS
	185	6875	2.65	3.04	5.69	24	PASS
	189	6895	5.45	3.04	8.49	24	PASS
	209	6895	5.23	3.04	8.27	24	PASS
	229	6895	5.44	3.04	8.48	24	PASS
802.11ax 40MHz	3	5965	7.45	3.04	10.49	24	PASS
	43	6165	7.56	3.04	10.6	24	PASS
	91	6405	7.56	3.04	10.6	24	PASS
	99	6445	7.44	3.04	10.48	24	PASS
	107	6485	7.34	3.04	10.38	24	PASS
	115	6525	4.65	3.04	7.69	24	PASS
	147	6685	7.56	3.04	10.6	24	PASS
	179	6845	7.43	3.04	10.47	24	PASS
	187	6885	6.66	3.04	9.7	24	PASS
	195	6925	7.56	3.04	10.6	24	PASS
	227	7085	7.67	3.04	10.71	24	PASS
802.11ax 80MHz	7	5985	7.65	3.04	10.69	24	PASS
	39	6145	7.76	3.04	10.8	24	PASS
	87	6385	7.68	3.04	10.72	24	PASS
	103	6465	7.69	3.04	10.73	24	PASS
	119	6545	6.68	3.04	9.72	24	PASS
	151	6705	7.78	3.04	10.82	24	PASS
	183	6845	7.91	3.04	10.95	24	PASS
	215	7025	7.92	3.04	10.96	24	PASS

*For client devices operating under the control of an indoor access point

4.2 Transmitter Radiated Emissions
FCC Rule 15.407(b) (6-11) 15.209, 15.205

4.2.1 Requirement

(b) Undesirable emission limits. Except as shown in paragraph (b) (7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (6) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz .
- (7) For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.
- (8) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (9) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in § 15.207.
- (10) The provisions of § 15.205 apply to intentional radiators operating under this section.
- (11) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits. (5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

4.2.2 Procedure

Radiated emission measurements were performed from 9 kHz to 40 GHz according to the procedure described in ANSI C63.10: 2013. Spectrum Analyzer Resolution Bandwidth is 200Hz or greater for frequencies 9kHz to 30MHz, 100 kHz or greater for frequencies 30 MHz to 1000 MHz, 1 MHz for frequencies above 1000 MHz. Above 1000 MHz Peak and Average measurements were performed.

The EUT is placed on a plastic turntable that is 80 cm in height for below 1000MHz and 1.5m in height for above 1GHz. If the EUT attaches to peripherals, they are connected and operational (as typical as possible). During testing, all cables were manipulated to produce worst-case emissions. The signal is maximized through rotation. The antenna height and polarization are varied during the search for maximum signal level. The antenna height is varied from 1 to 4 meters.

Radiated emissions are taken at 3 meters for frequencies above 1 GHz and below 1 GHz.

All measurements were made with a Peak Detector and compared to QP limits for 9 kHz – 1GHz and Average limits for 1GHz – 40 GHz.

Data is included of the worst-case configuration (the configuration which resulted in the highest emission levels).

ANSI C63.10-2013; 5.6.2.2

Determining worst-case mode for Spurious emissions:

For devices with multiple operating modes, measurements on the middle channel can be used to determine the worst-case mode(s). The worst-case modes are as follows:

Measure the mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum).

The highest output power and the highest output power spectral density were found in the middle channels of 802.11ax 20MHz, therefore Spurious emissions were measured using 802.11ax 20MHz.

4.2.3 Field Strength Calculation

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CF – AG; if measurement is performed at a distance other than specified in the rule, a Distance Correction Factor (DCF) shall be added.

Where FS = Field Strength in dB(μ V/m)

RA = Receiver Amplitude (including preamplifier) in dB(μ V); AF = Antenna Factor in dB(1/m)

CF = Cable Attenuation Factor in dB; AG = Amplifier Gain in dB

Assume a receiver reading of 52.0 dB(μ V) is obtained. The antennas factor of 7.4 dB(1/m) and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted, giving field strength of 32 dB(μ V/m). This value in dB(μ V/m) was converted to its corresponding level in μ V/m.

RA = 52.0 dB(μ V)

AF = 7.4 dB(1/m)

CF = 1.6 dB

AG = 29.0 dB

FS = 52.0+7.4+1.6-29.0 = 32 dB(μ V/m).

Level in μ V/m = Common Antilogarithm [(32 dB μ V/m)/20] = 39.8 μ V/m.

4.2.4 Antenna-port conducted measurements

Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.

4.2.5 General Procedure for conducted measurements in restricted bands

- a) Measure the conducted output power (in dBm) using the detector specified for determining quasi-peak, peak, and average conducted output power, respectively.
- b) Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see 12.2.5 for guidance on determining the applicable antenna gain)
- c) Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies \leq 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies $>$ 1000 MHz).
- d) For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
- e) Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:
$$E = EIRP - 20\log D + 104.8$$
where:
E = electric field strength in $\text{dB}\mu\text{V}/\text{m}$,
EIRP = equivalent isotropic radiated power in dBm
D = specified measurement distance in meters.
- f) Compare the resultant electric field strength level to the applicable limit.
- g) Perform radiated spurious emission test

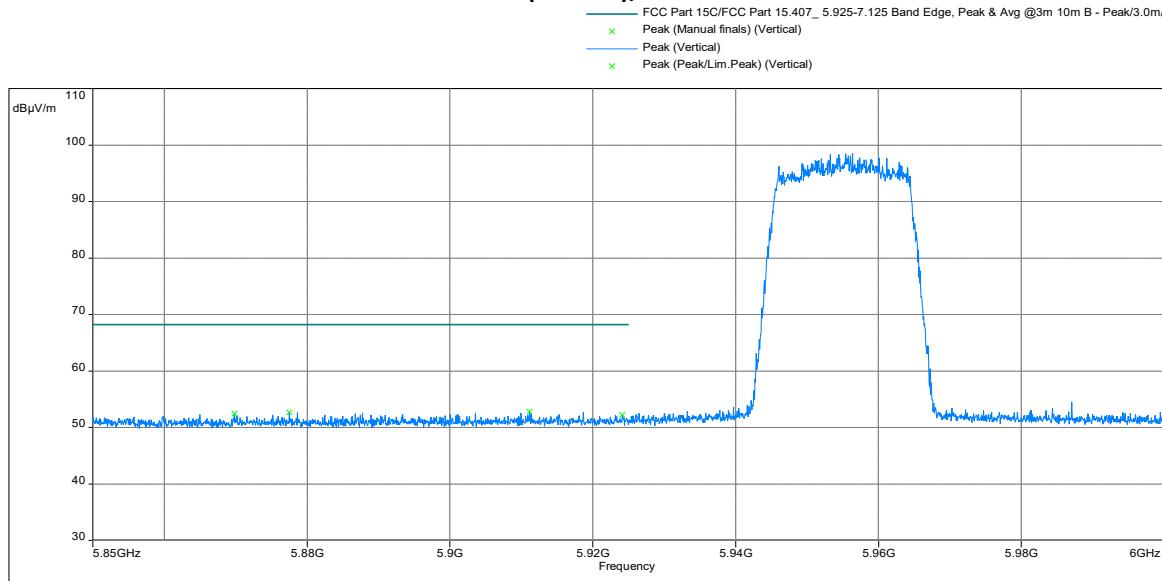
4.2.6 Test Results

The data on the following pages list the significant emission frequencies, the limit and the margin of compliance.

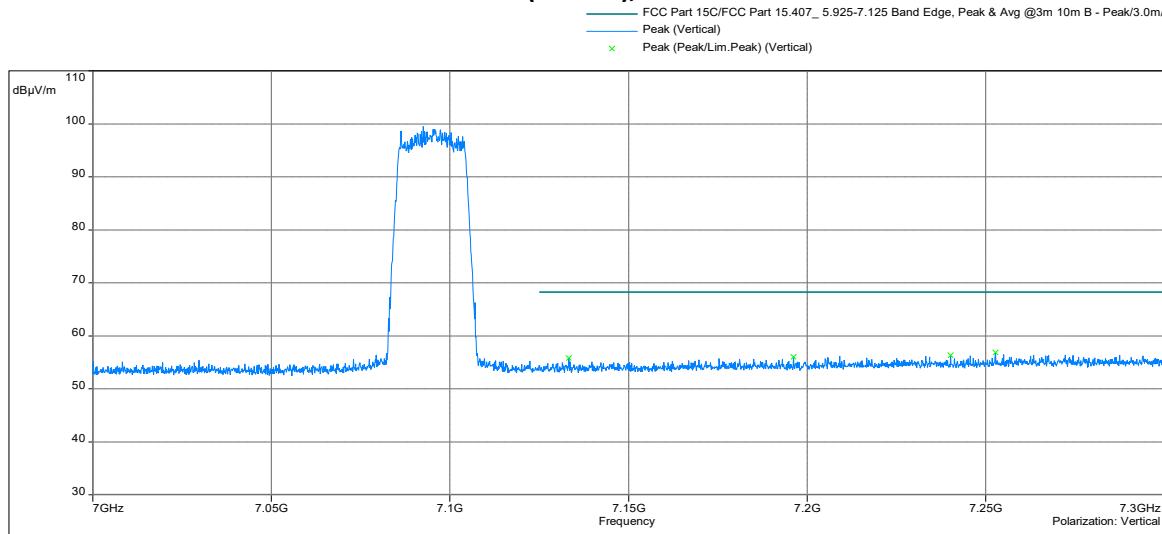
All conducted antenna port plots are corrected with the consideration of the EUT's Antenna Gain.

Radiated emission measurements were performed from 9kHz up to 40GHz.

9kHz – 30MHz Data is included of the worst-case configuration (the configuration which resulted in the highest emission levels).

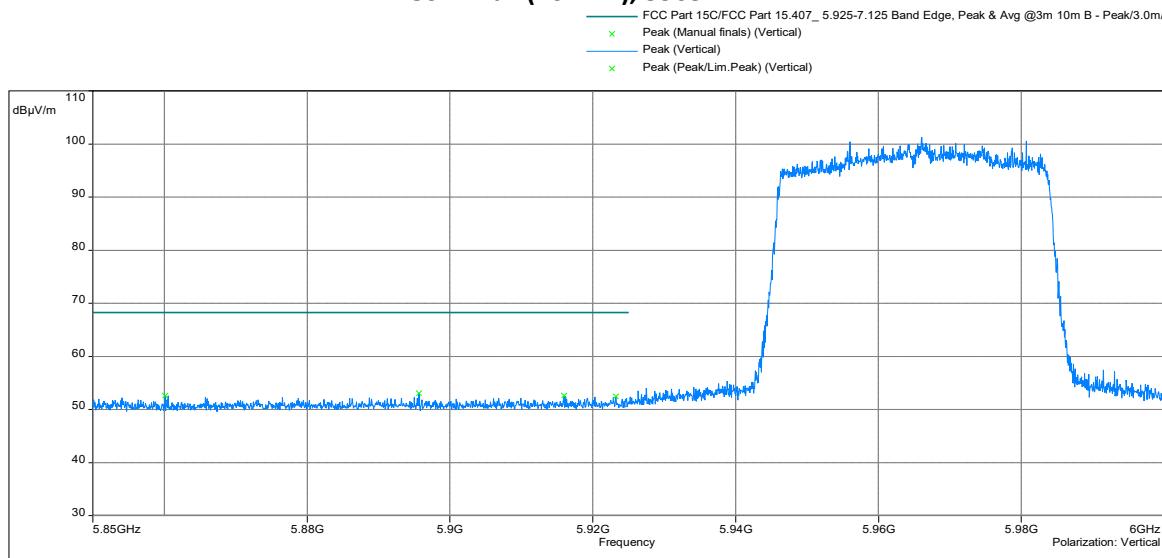
Test Results:
Radiated Out-of-Band Spurious Emissions at the Band Edges/Restricted Bands
**Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ax (20MHz), 5955 MHz**


Freq. (MHz)	FS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (deg)	Correction (dB)
5925.000	52.26	68.23	-15.97	191.05	38.49

**Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ax (20MHz), 7095 MHz**


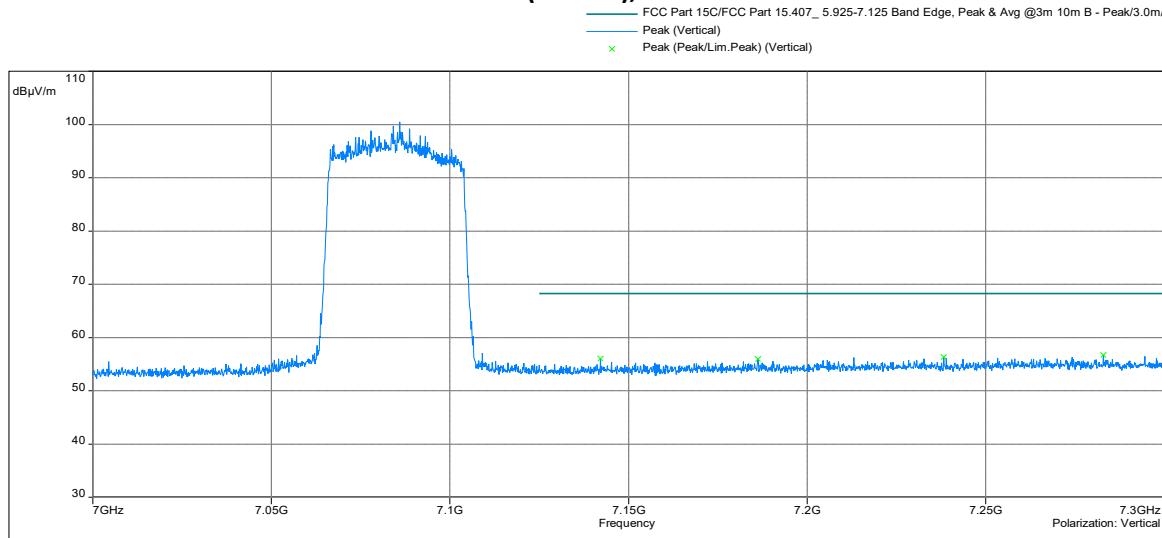
Freq. (MHz)	FS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (deg)	Correction (dB)
7125.000	55.77	68.23	-12.46	327.43	41.51

**Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ax (40MHz), 5965 MHz**



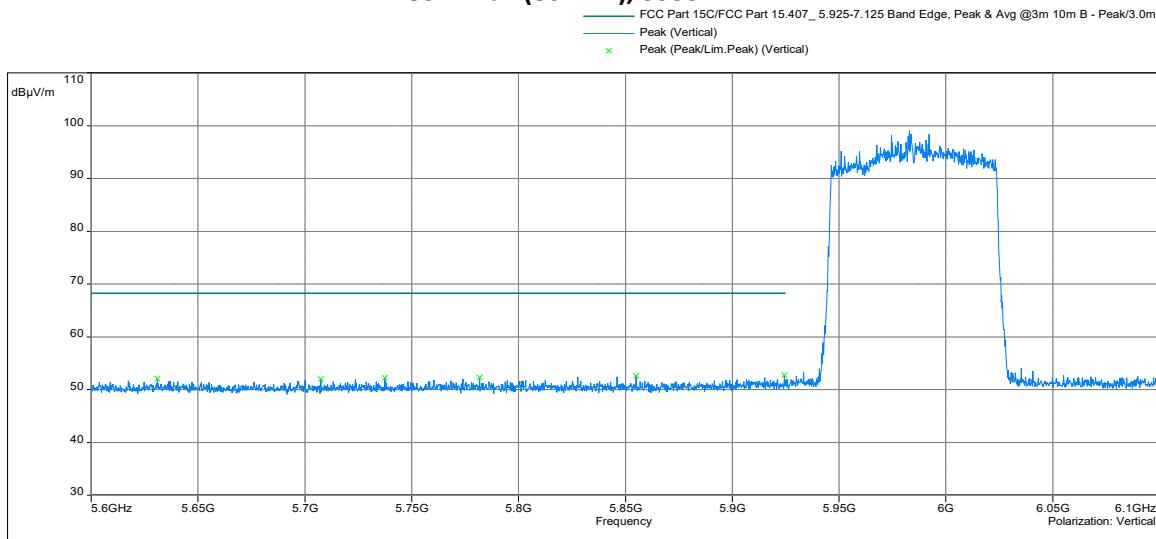
Freq. (MHz)	FS (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Azimuth (deg)	Correction (dB)
5925.000	52.43	68.23	-15.80	63.39	38.49

**Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ax (40MHz), 7085 MHz**



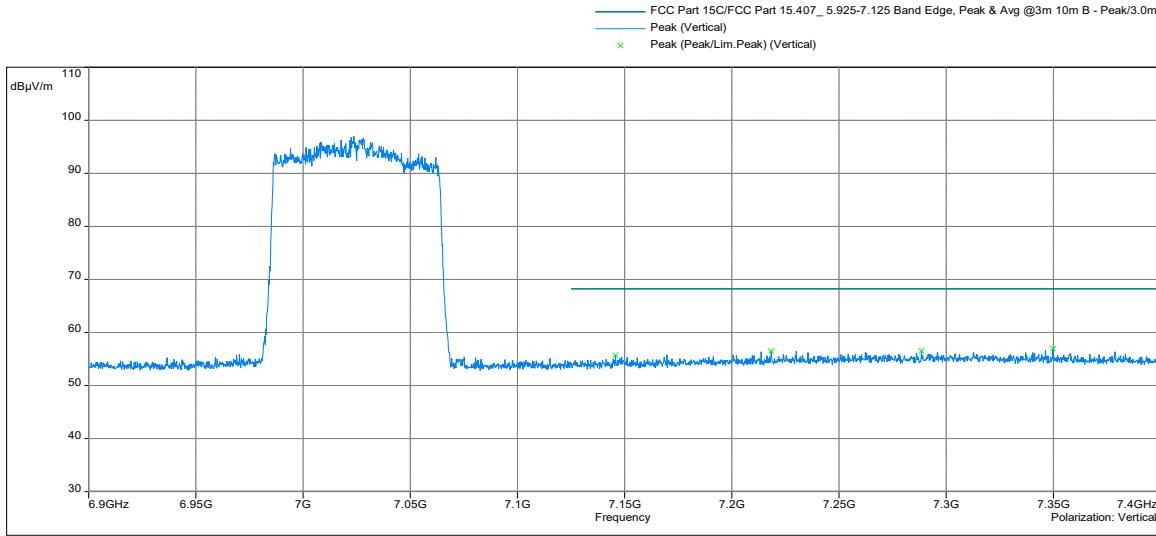
Freq. (MHz)	FS (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Azimuth (deg)	Correction (dB)
7125.000	56.00	68.23	-12.23	347.90	41.51

**Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ax (80MHz), 5955 MHz**



Freq. (MHz)	FS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (deg)	Correction (dB)
5925.000	52.75	68.23	-15.48	212.86	38.49

**Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ax (80MHz), 7025 MHz**



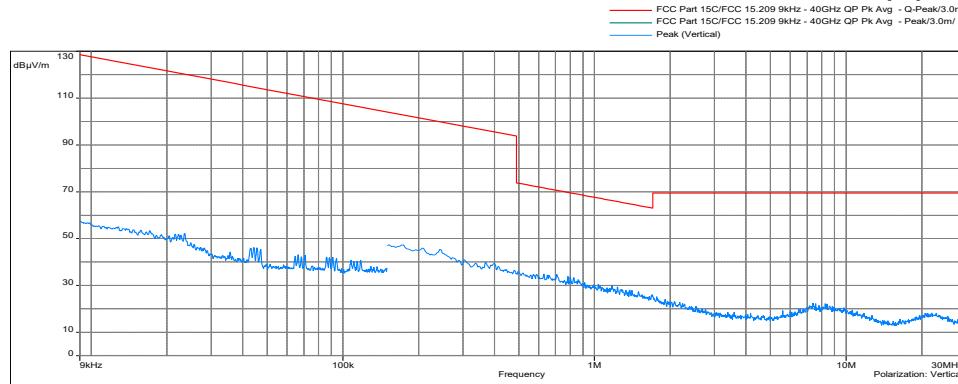
Freq. (MHz)	FS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Azimuth (deg)	Correction (dB)
7125.000	55.68	68.23	-12.55	286.70	41.51

Out-of-Band Radiated Spurious Emissions

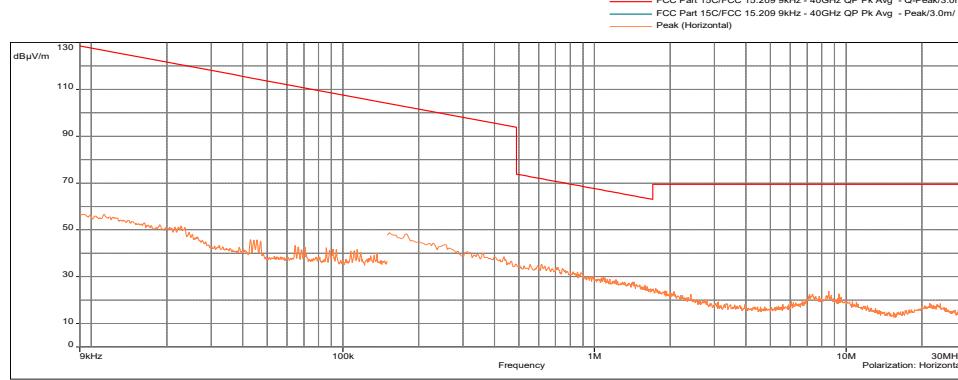
Test Results: 15.209 Radiated Spurious Emissions Tx at 802.11ax (20MHz), 5955MHz

Worst Case Radiated Spurious Emissions 9 kHz to 30 MHz

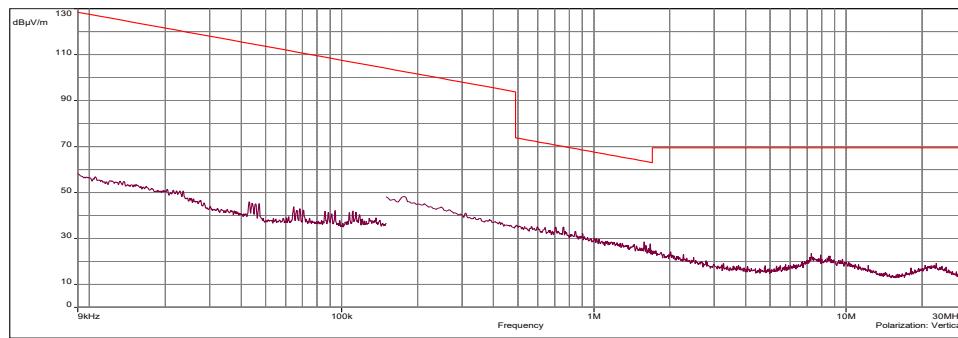
Antenna Position -
Coaxial



Antenna Position -
Coplanar

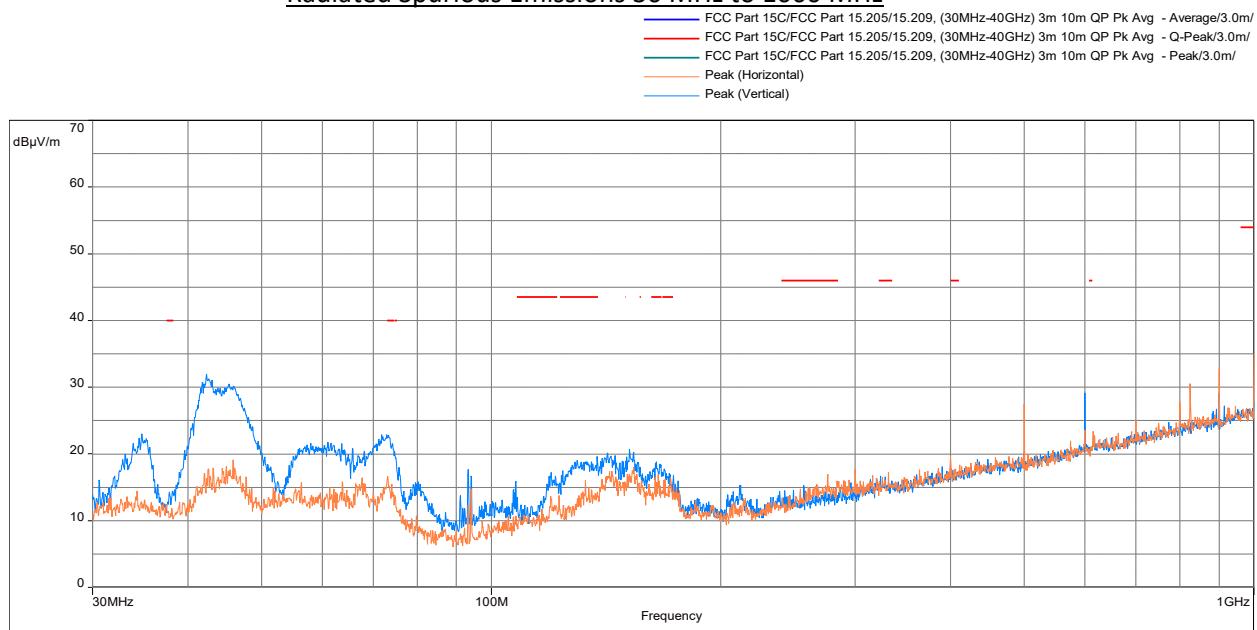


Antenna Position -
Horizontal

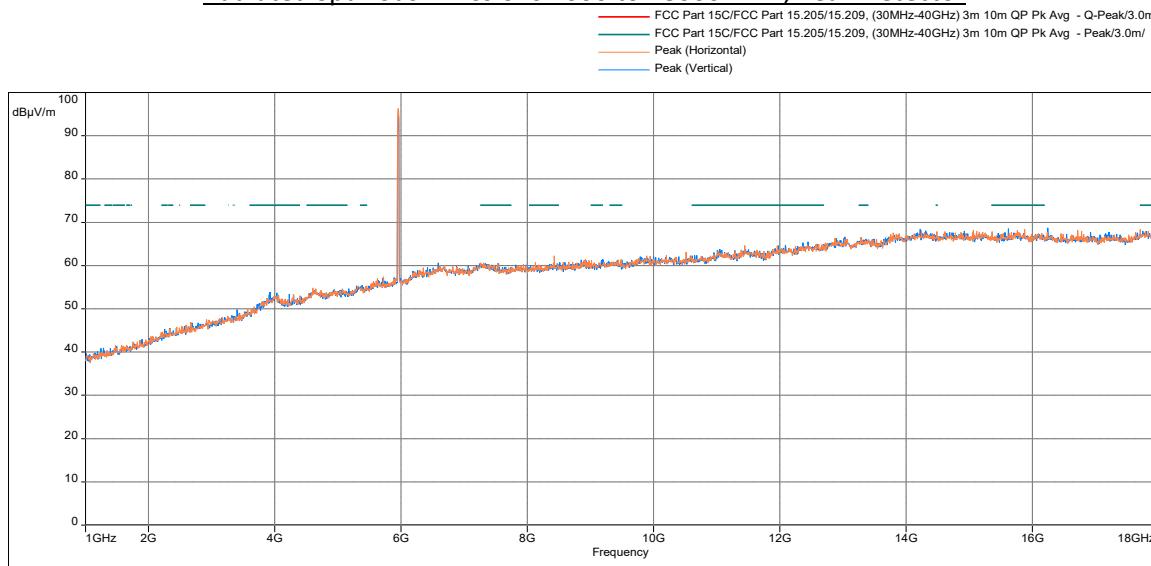
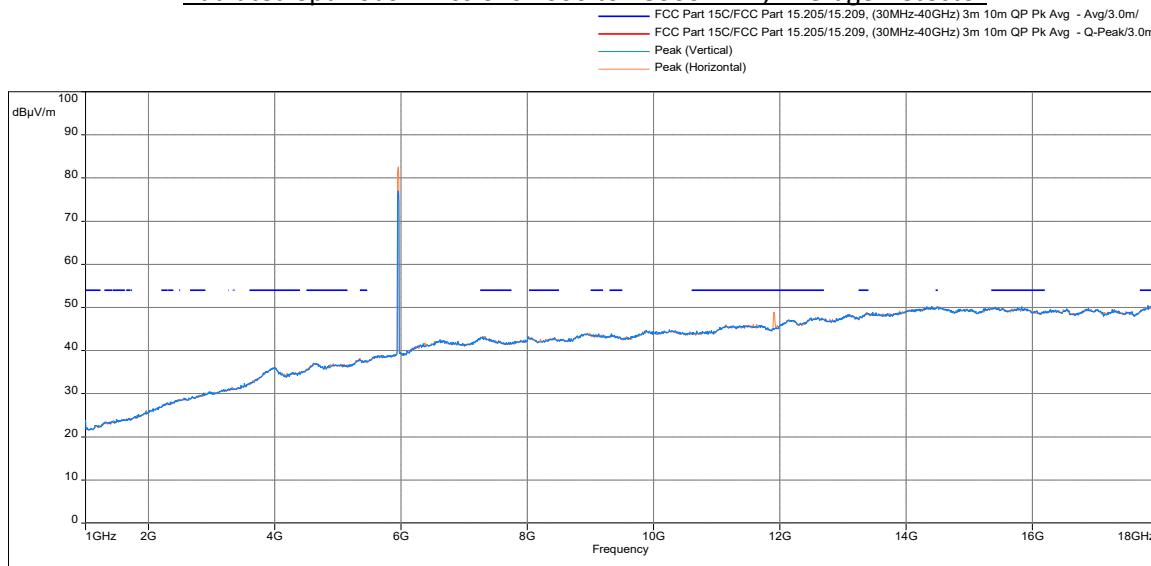


Model: ; Client: ; Comments: ; Test Date: 12/18/2024 02:22

Radiated Spurious Emissions 30 MHz to 1000 MHz



Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	34.91	54.00	-19.09	301.00	Horizontal	0.54
73.165	16.66	40.00	-23.34	207.18	Horizontal	-16.62
137.702	19.63	43.50	-23.87	146.41	Vertical	-14.48
129.522	19.03	43.50	-24.47	111.13	Vertical	-15.53
164.507	18.81	43.50	-24.69	131.57	Vertical	-13.25
164.119	18.57	43.50	-24.93	123.15	Vertical	-13.25

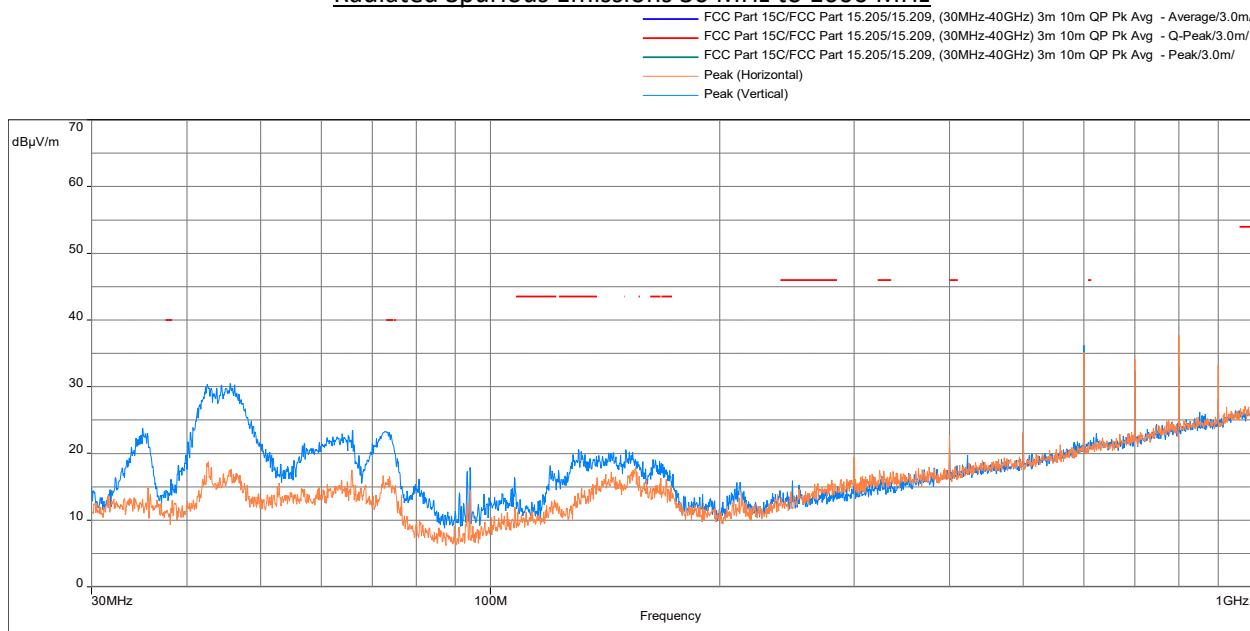
Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector

Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17994.333	Peak	68.80	74.00	-5.20	107.07	Horizontal	49.38
15617.167	Peak	68.52	74.00	-5.48	19.87	Vertical	48.65
17896.300	Peak	68.46	74.00	-5.54	108.66	Vertical	49.12
17832.267	Average	50.50	54.00	-3.50	259.41	Vertical	48.92
17988.667	Average	50.43	54.00	-3.57	253.32	Horizontal	49.36
15418.267	Average	50.10	54.00	-3.90	271.23	Horizontal	48.55

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

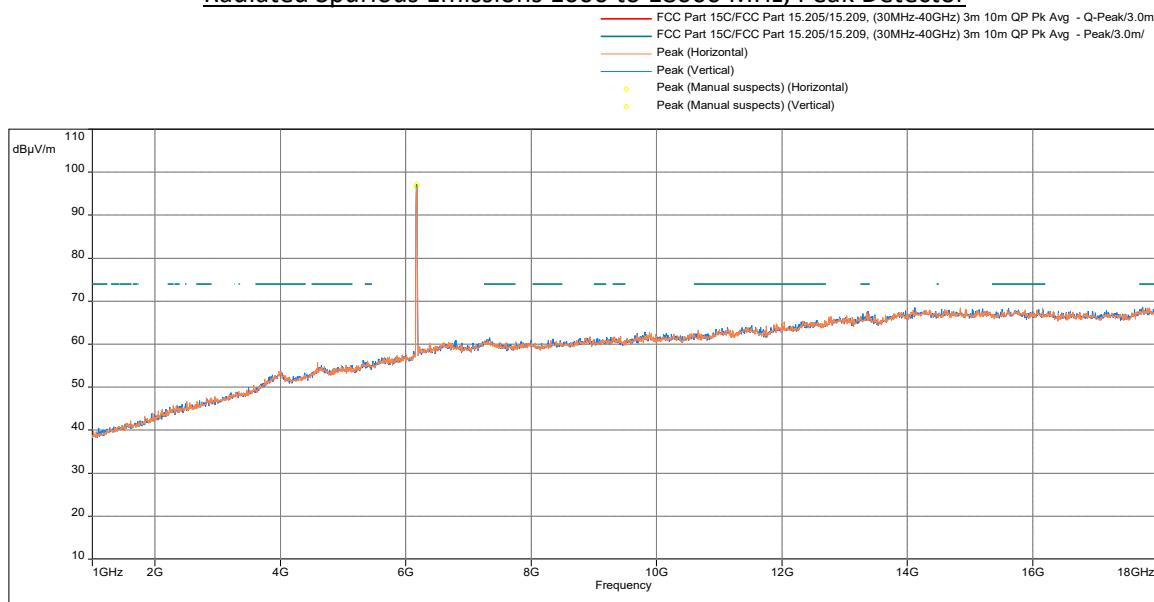
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (20MHz), 6175MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

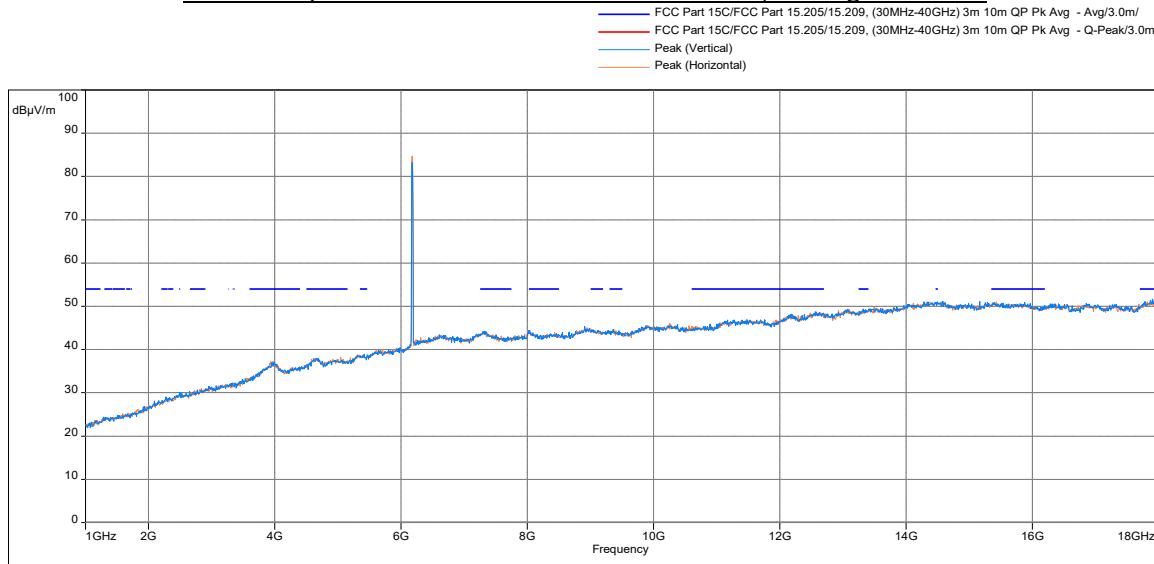


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	31.49	54.00	-22.51	295.38	Horizontal	0.54
130.589	20.56	43.50	-22.94	171.68	Vertical	-15.42
131.591	20.29	43.50	-23.21	162.47	Vertical	-15.26
399.990	22.77	46.00	-23.23	212.80	Horizontal	-10.45
612.032	21.96	46.00	-24.04	285.16	Vertical	-6.25
135.148	19.21	43.50	-24.29	267.52	Vertical	-14.83

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector



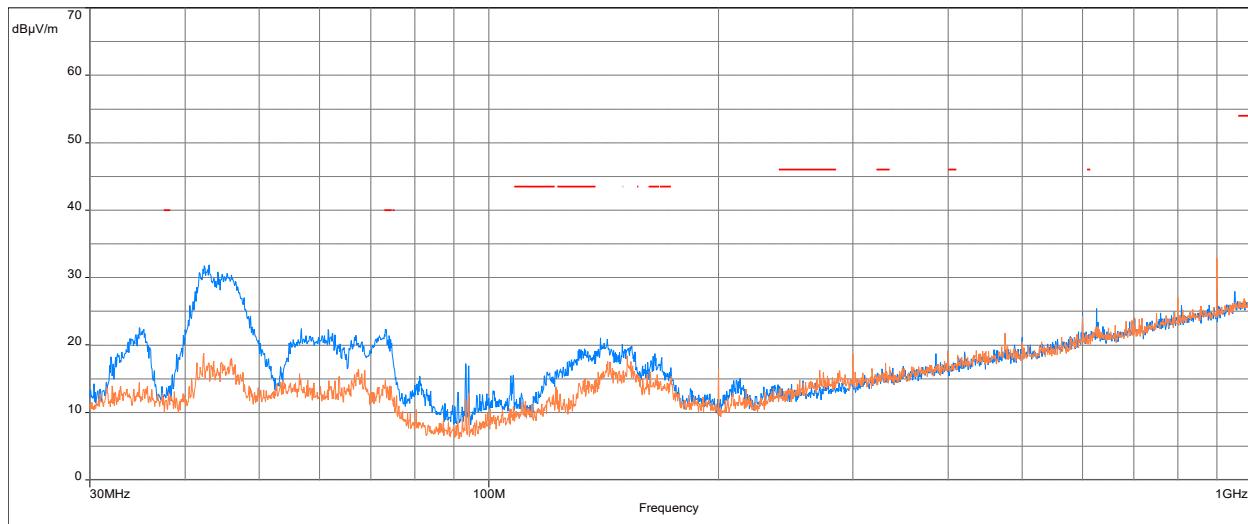
Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17987.533	Peak	68.83	74.00	-5.17	295.23	Horizontal	49.36
17754.633	Peak	68.58	74.00	-5.42	206.67	Vertical	48.73
15617.167	Peak	68.52	74.00	-5.48	19.87	Vertical	48.65
17907.067	Average	51.76	54.00	-2.24	258.60	Vertical	49.15
17955.800	Average	51.35	54.00	-2.65	245.76	Horizontal	49.27
17822.633	Average	51.06	54.00	-2.94	250.26	Horizontal	48.89

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (20MHz), 6415MHz

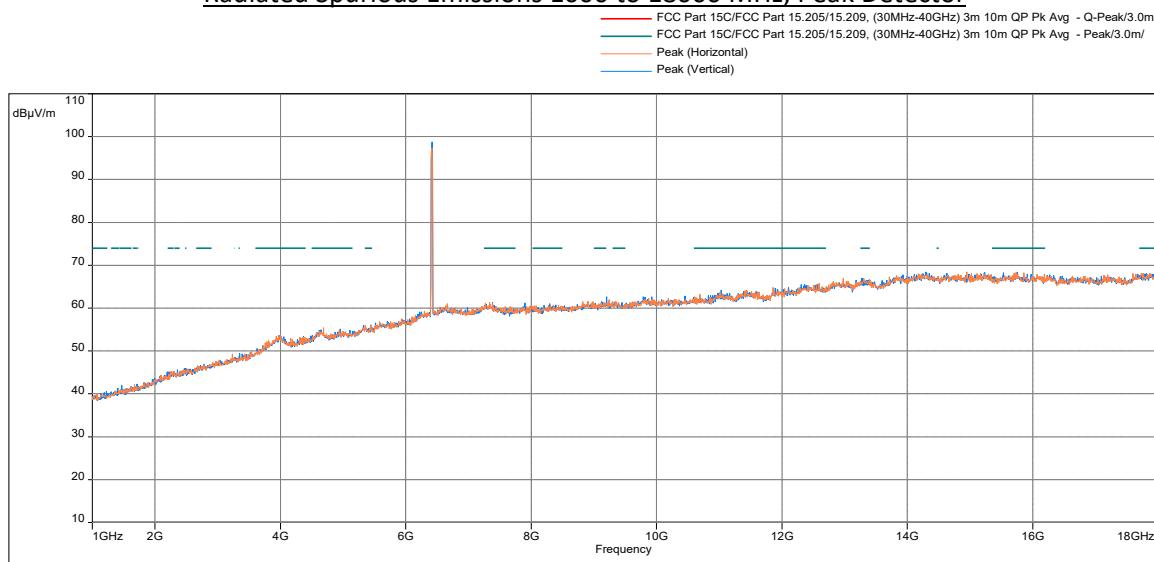
Radiated Spurious Emissions 30 MHz to 1000 MHz

——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Average/3.0m/
 ——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m/
 ——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Peak/3.0m/
 ——— Peak (Horizontal)
 ——— Peak (Vertical)

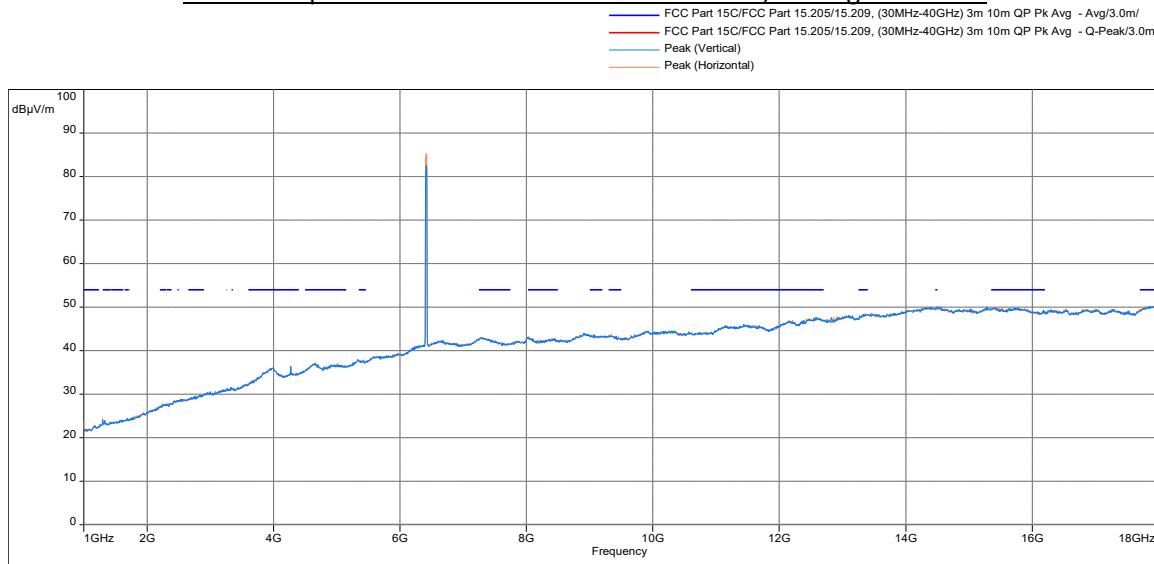


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.391	22.31	40.00	-17.69	235.84	Vertical	-16.68
1000.000	33.01	54.00	-20.99	64.04	Horizontal	0.54
133.467	19.44	43.50	-24.06	122.37	Vertical	-15.02
1000.000	29.87	54.00	-24.13	268.31	Vertical	0.54
608.928	21.45	46.00	-24.55	334.26	Horizontal	-6.37
612.453	21.37	46.00	-24.63	0.02	Horizontal	-6.21

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector



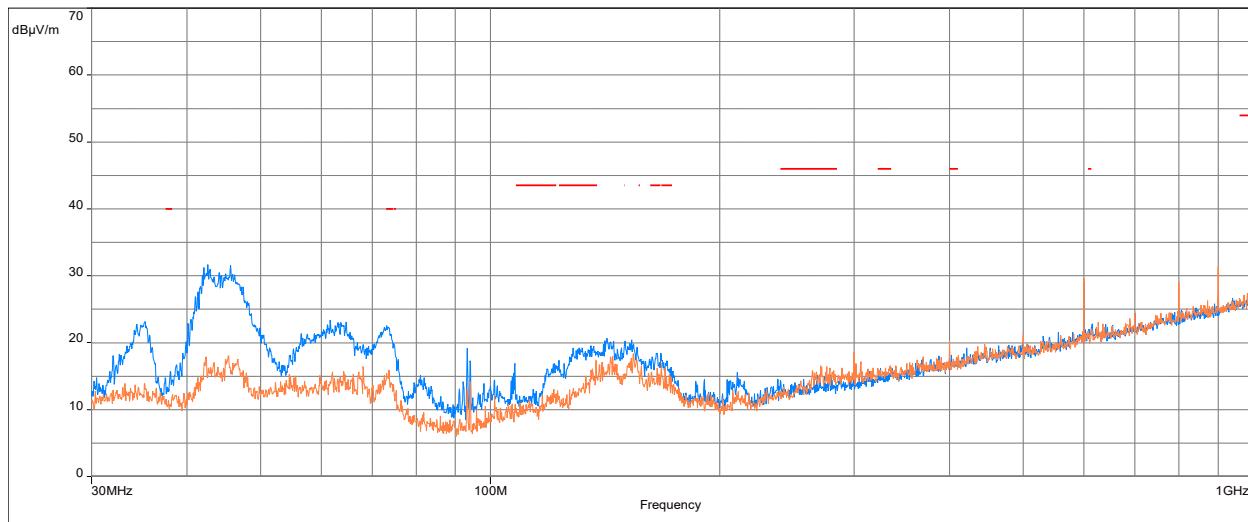
Freq. (MHz)	Detector Mode PK/QP/AV	FS (dB μ V/m)	PK/AV Limit dB(μ V/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
15617.167	Peak	68.52	74.00	-5.48	19.87	Vertical	48.65
17896.300	Peak	68.46	74.00	-5.54	108.66	Vertical	49.12
15740.700	Peak	68.43	74.00	-5.57	250.35	Horizontal	48.78
17942.767	Average	50.46	54.00	-3.54	54.77	Horizontal	49.23
17993.767	Average	50.33	54.00	-3.67	126.06	Vertical	49.37

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

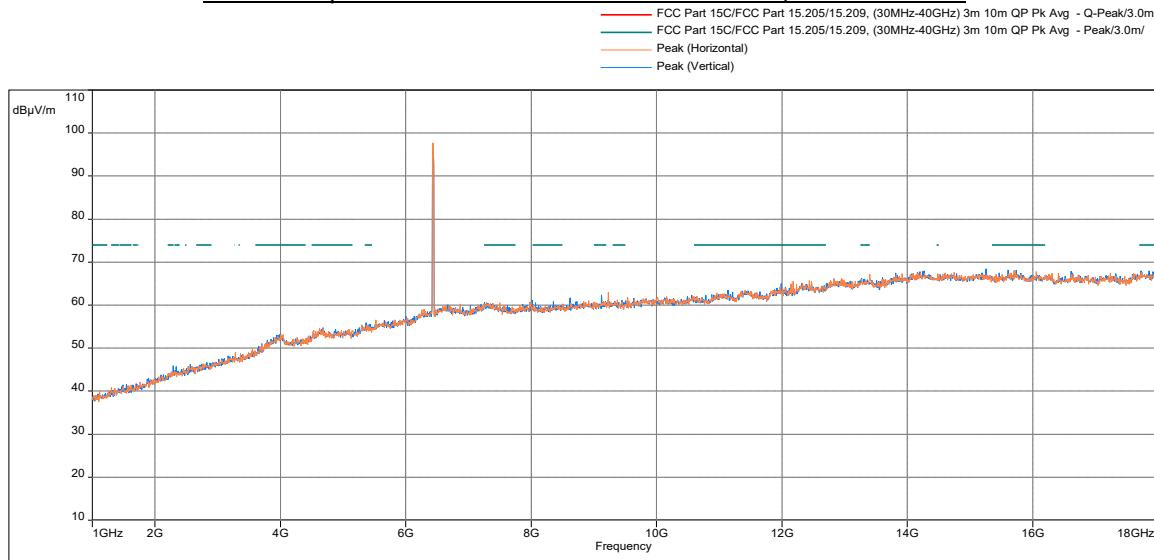
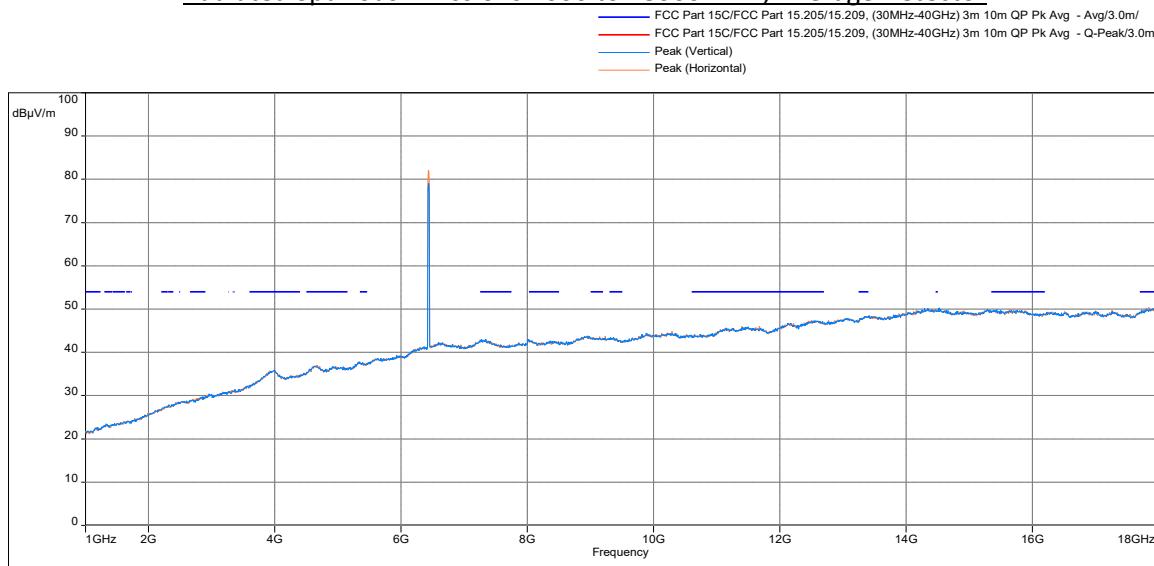
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (20MHz), 6435MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Average/3.0m/
— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m/
— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Peak/3.0m/
— Peak (Horizontal)
— Peak (Vertical)



Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.133	22.59	40.00	-17.41	257.00	Vertical	-16.61
1000.000	34.24	54.00	-19.76	74.13	Horizontal	0.54
135.536	19.57	43.50	-23.93	168.01	Vertical	-14.75
609.446	22.04	46.00	-23.96	162.39	Vertical	-6.36
73.618	15.89	40.00	-24.11	202.00	Horizontal	-16.74
130.783	19.25	43.50	-24.25	168.01	Vertical	-15.40

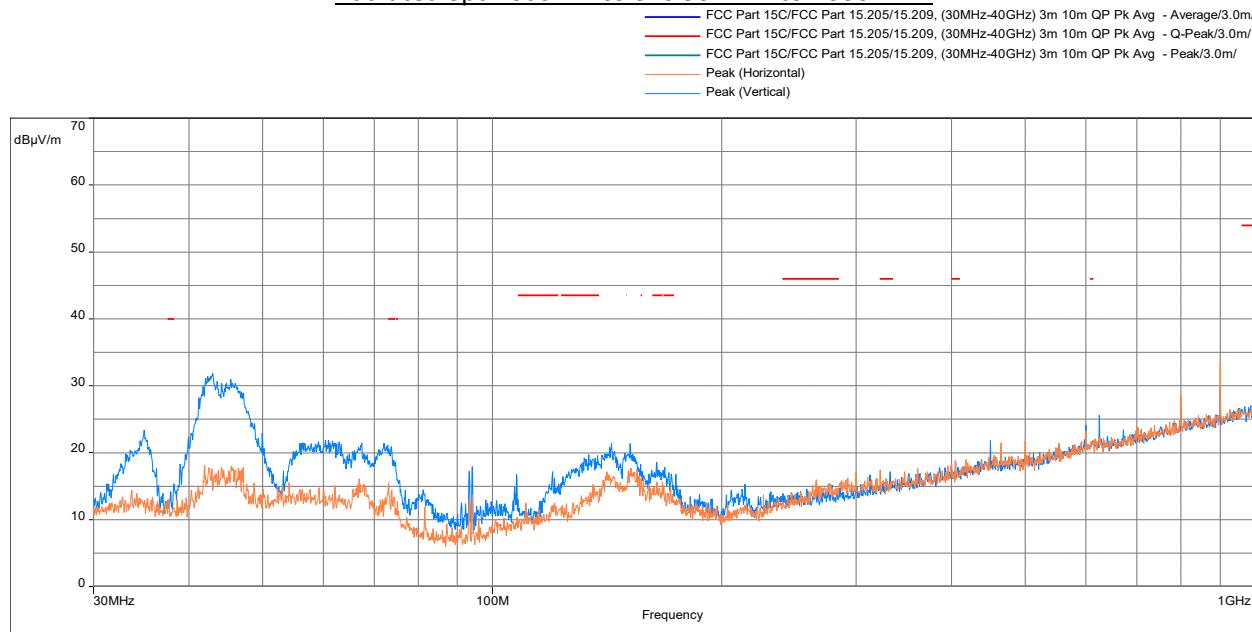
Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector

Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
15611.500	Peak	68.21	74.00	-5.79	199.59	Vertical	48.64
15739.000	Peak	68.18	74.00	-5.82	297.60	Vertical	48.78
15703.867	Peak	68.10	74.00	-5.90	11.46	Horizontal	48.78
17841.333	Average	50.43	54.00	-3.57	259.05	Horizontal	48.95
17988.667	Average	50.36	54.00	-3.64	249.27	Vertical	49.36
14480.433	Average	50.01	54.00	-3.99	233.67	Horizontal	48.69

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

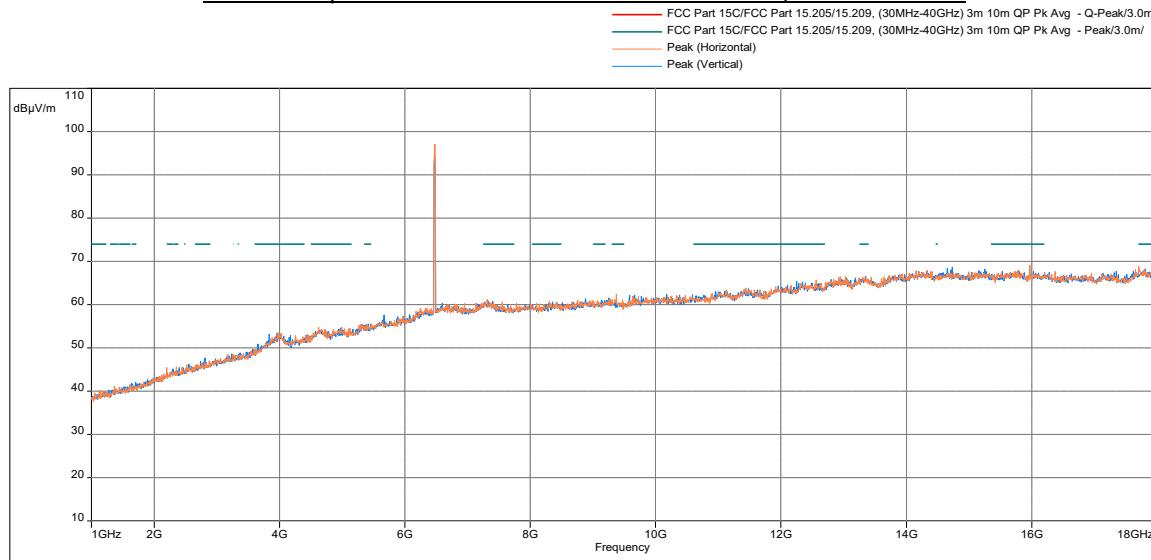
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (20MHz), 6475MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

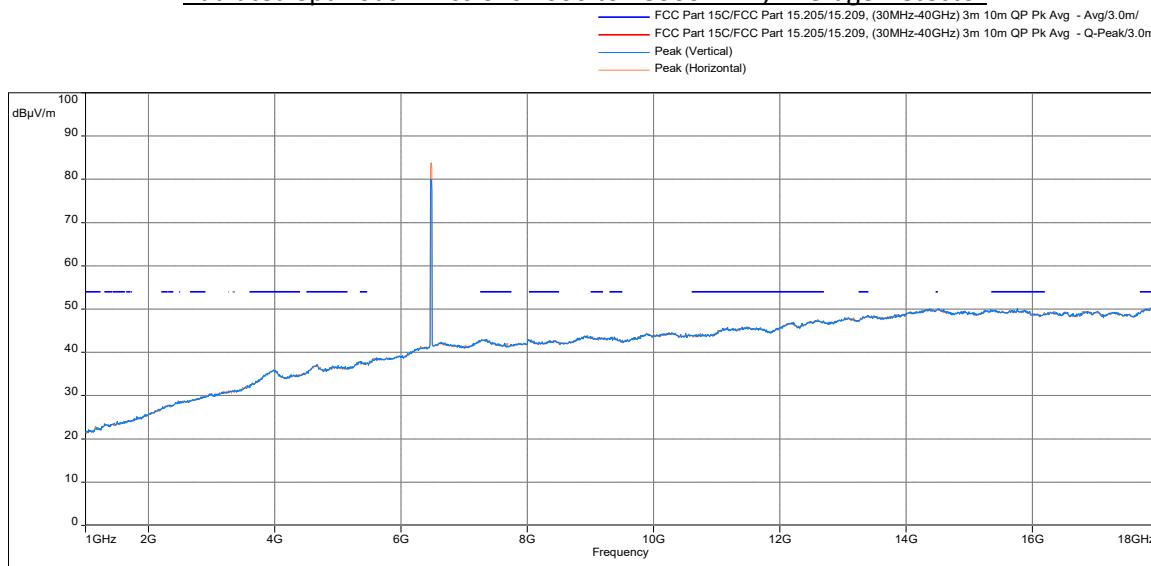


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	34.78	54.00	-19.22	81.75	Horizontal	0.54
133.855	19.73	43.50	-23.77	149.58	Vertical	-14.98
137.444	19.59	43.50	-23.91	129.13	Vertical	-14.51
613.811	21.88	46.00	-24.12	288.18	Horizontal	-6.15
136.474	19.25	43.50	-24.25	149.58	Vertical	-14.61
609.381	21.73	46.00	-24.27	2.60	Horizontal	-6.36

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

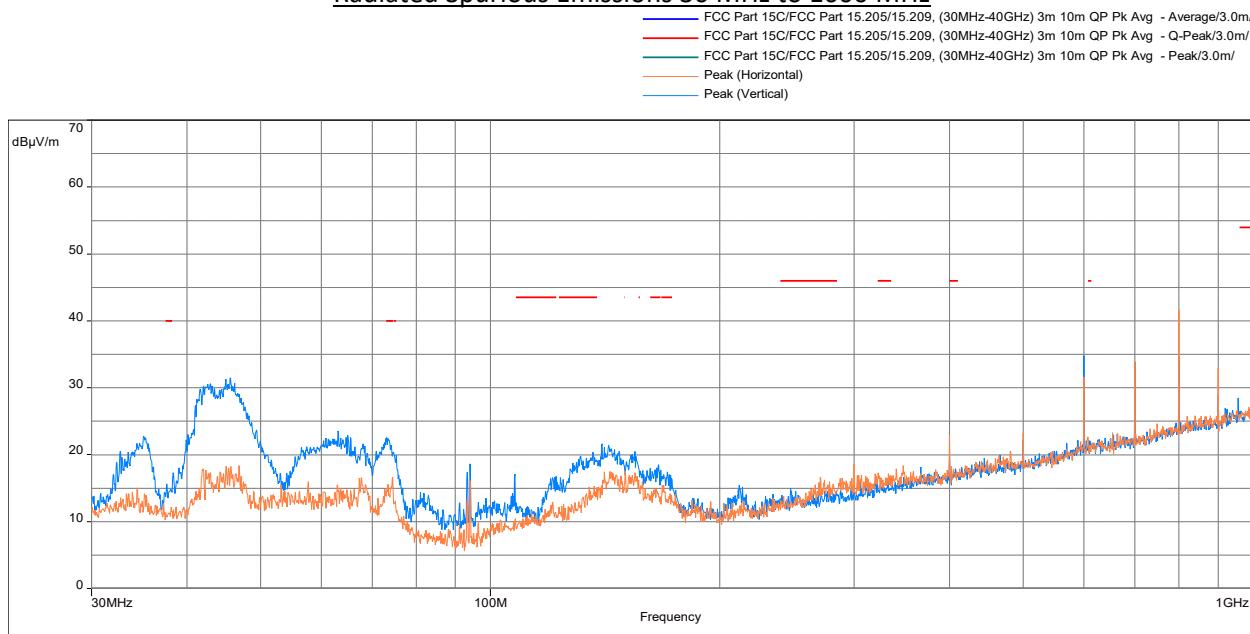


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
15970.200	Peak	69.16	74.00	-4.84	354.25	Horizontal	48.71
17708.733	Peak	68.83	74.00	-5.17	25.81	Horizontal	48.65
17810.167	Peak	68.27	74.00	-5.73	89.03	Vertical	48.86
17977.333	Average	50.61	54.00	-3.39	73.26	Horizontal	49.33
17999.433	Average	50.37	54.00	-3.63	198.35	Vertical	49.39
15765.067	Average	50.19	54.00	-3.81	300.78	Vertical	48.79

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

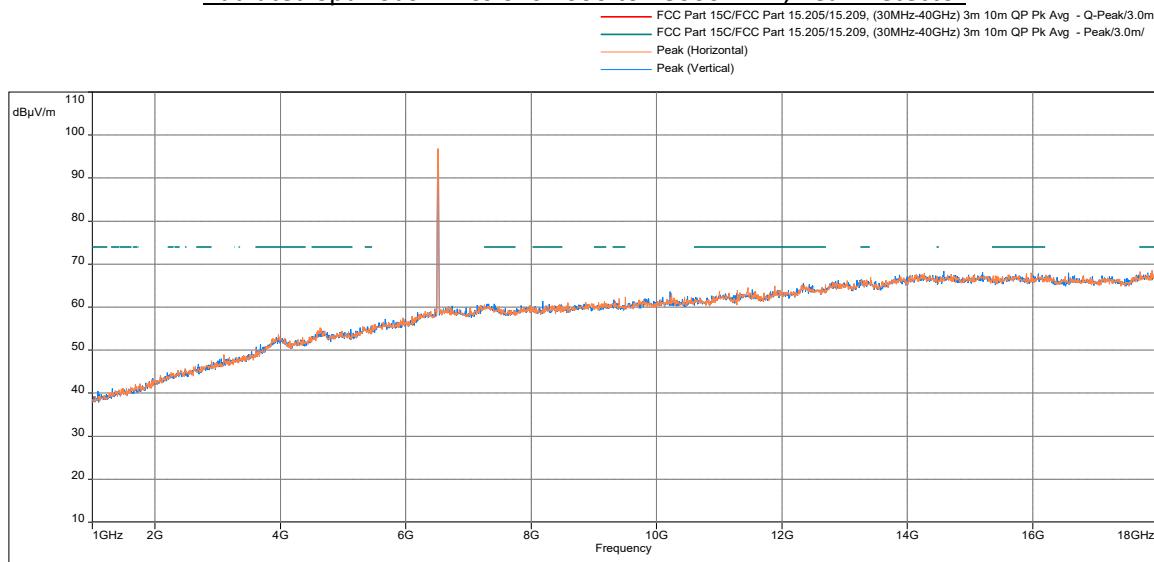
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (20MHz), 6515MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

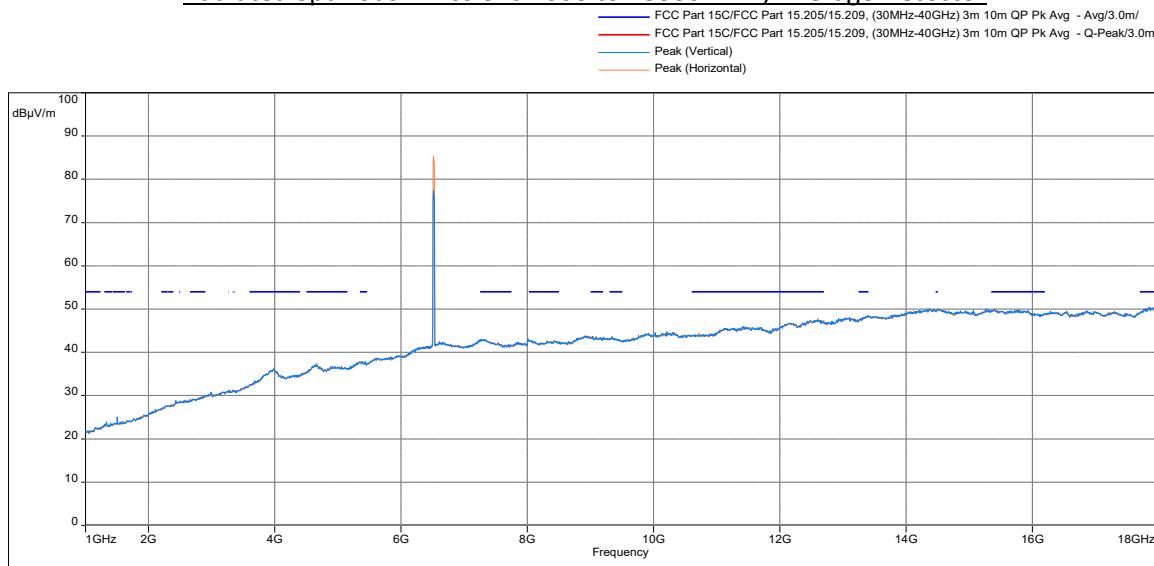


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.100	22.54	40.00	-17.46	246.21	Vertical	-16.60
1000.000	33.50	54.00	-20.50	85.36	Horizontal	0.54
399.990	22.95	46.00	-23.05	198.40	Horizontal	-10.45
136.344	20.35	43.50	-23.15	150.81	Vertical	-14.62
74.426	16.65	40.00	-23.35	225.25	Horizontal	-16.98
131.139	19.74	43.50	-23.76	344.32	Vertical	-15.35

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector



Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17906.500	Peak	68.52	74.00	-5.48	69.59	Horizontal	49.15
15974.167	Peak	68.01	74.00	-5.99	341.82	Horizontal	48.71
17836.800	Peak	67.96	74.00	-6.04	358.99	Vertical	48.93
17986.967	Average	50.44	54.00	-3.56	193.86	Vertical	49.36
17912.167	Average	50.41	54.00	-3.59	343.52	Horizontal	49.16
3981.233	Average	36.43	54.00	-17.57	88.48	Horizontal	34.36

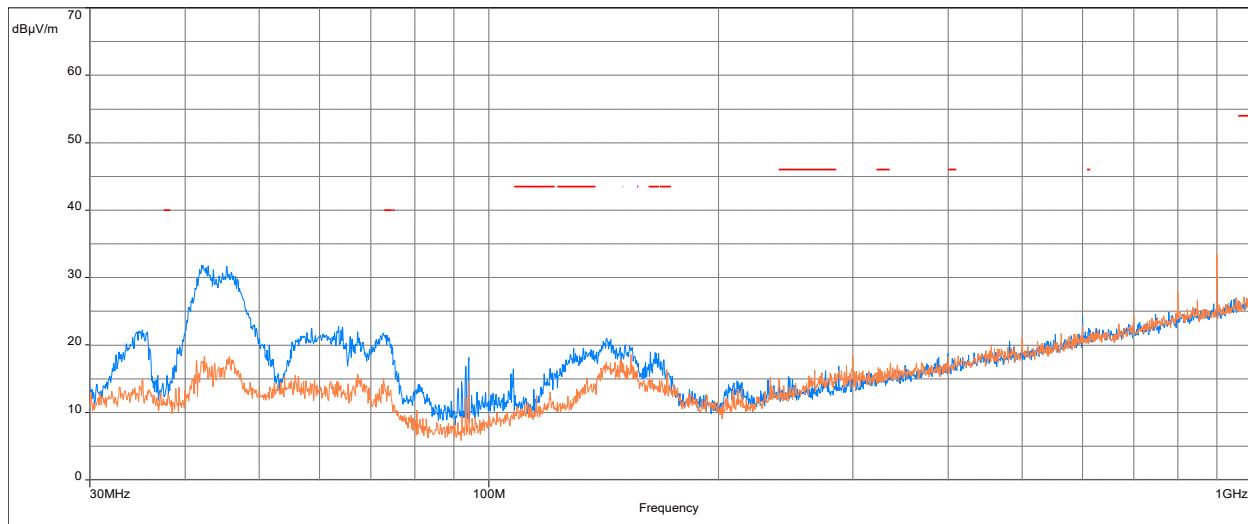
Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (20MHz), 6535MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

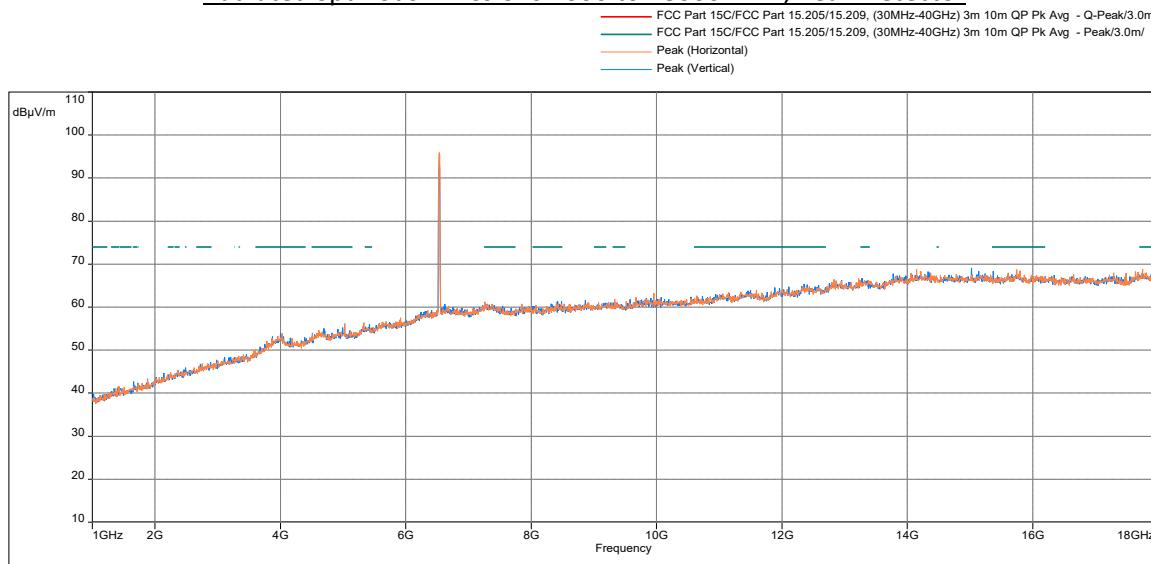


 FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Average/3.0m/
 FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m/
 FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Peak/3.0m/
 Peak (Horizontal)
 Peak (Vertical)

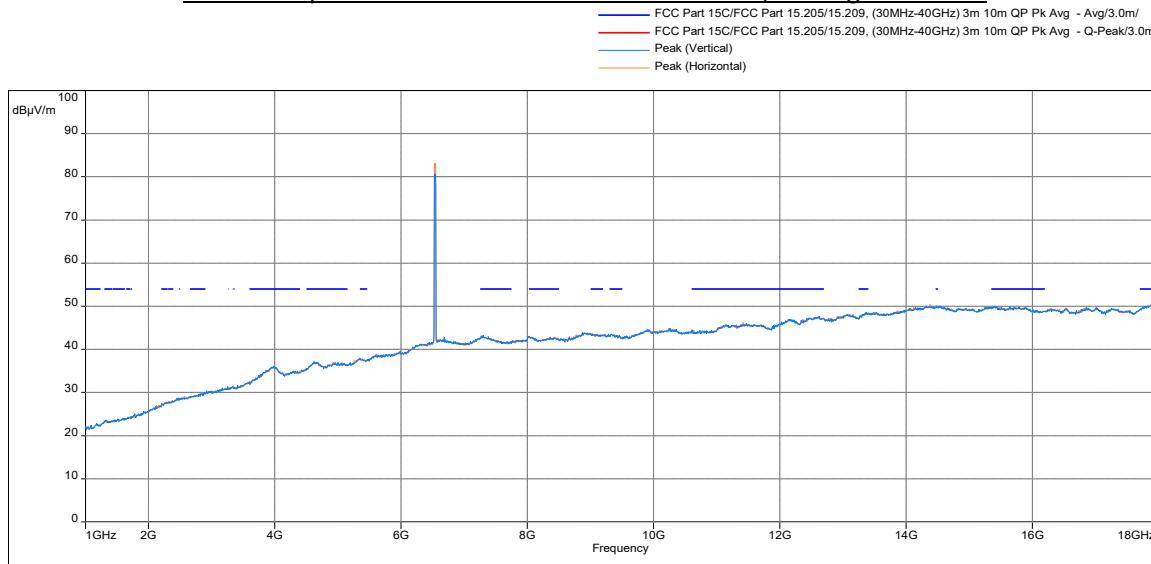


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	34.64	54.00	-19.36	78.95	Horizontal	0.54
611.580	22.49	46.00	-23.51	6.33	Vertical	-6.26
613.681	22.21	46.00	-23.79	307.11	Vertical	-6.15
133.046	19.53	43.50	-23.97	126.32	Vertical	-15.07
610.319	22.00	46.00	-24.00	194.87	Vertical	-6.33
129.231	19.49	43.50	-24.01	141.15	Vertical	-15.56

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector



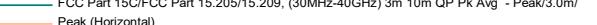
Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17756.333	Peak	68.88	74.00	-5.12	299.63	Horizontal	48.73
15742.967	Peak	68.77	74.00	-5.23	328.28	Horizontal	48.78
17984.133	Peak	68.65	74.00	-5.35	32.58	Horizontal	49.35
17988.100	Average	50.60	54.00	-3.40	129.10	Vertical	49.36
17953.533	Average	50.54	54.00	-3.46	230.90	Horizontal	49.26

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

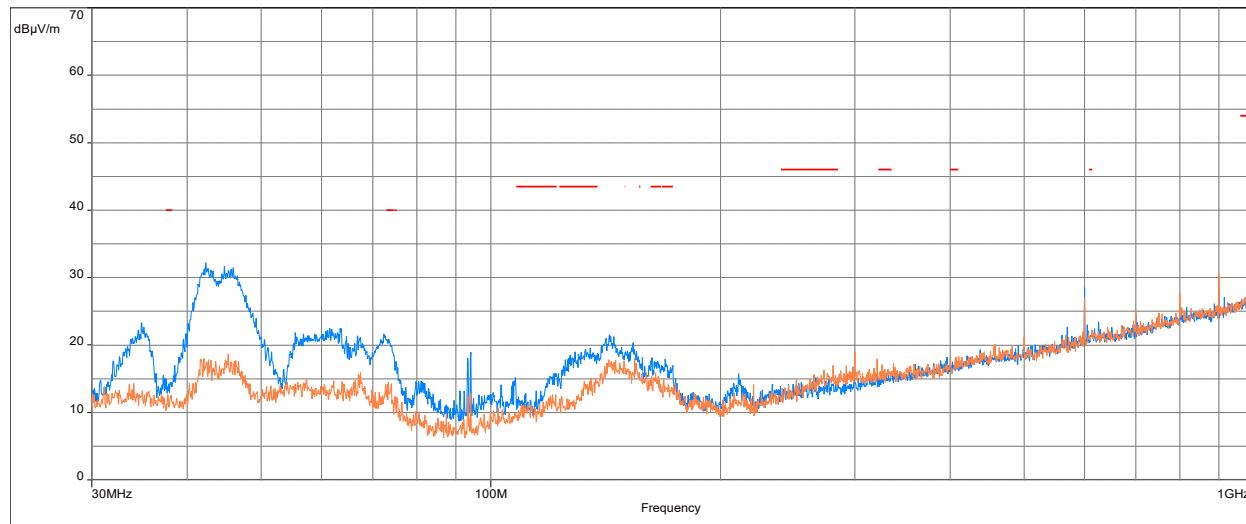
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (20MHz), 6695MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz



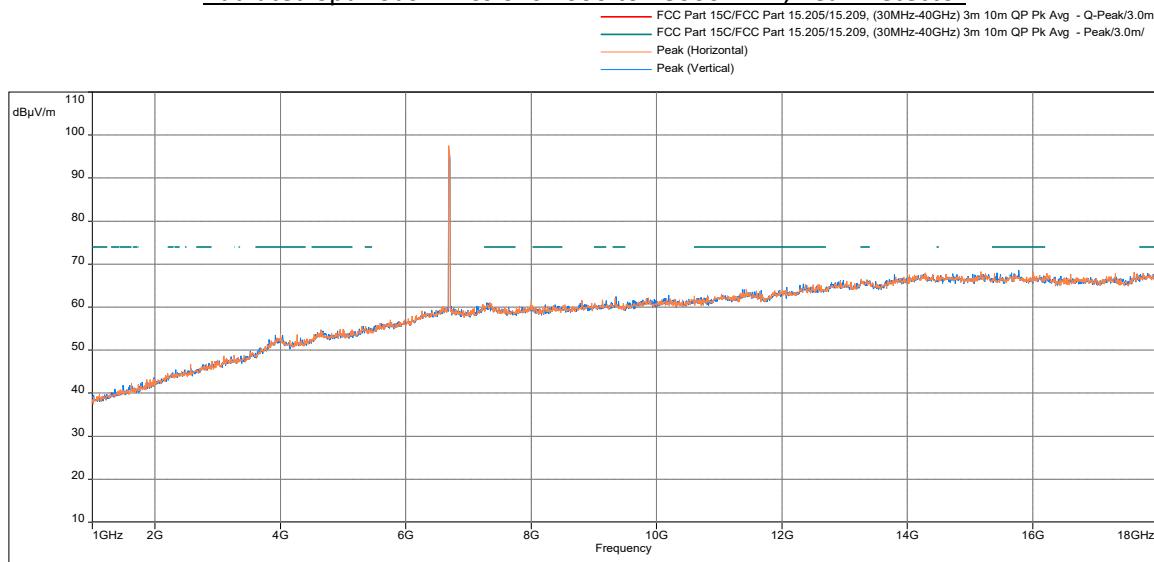




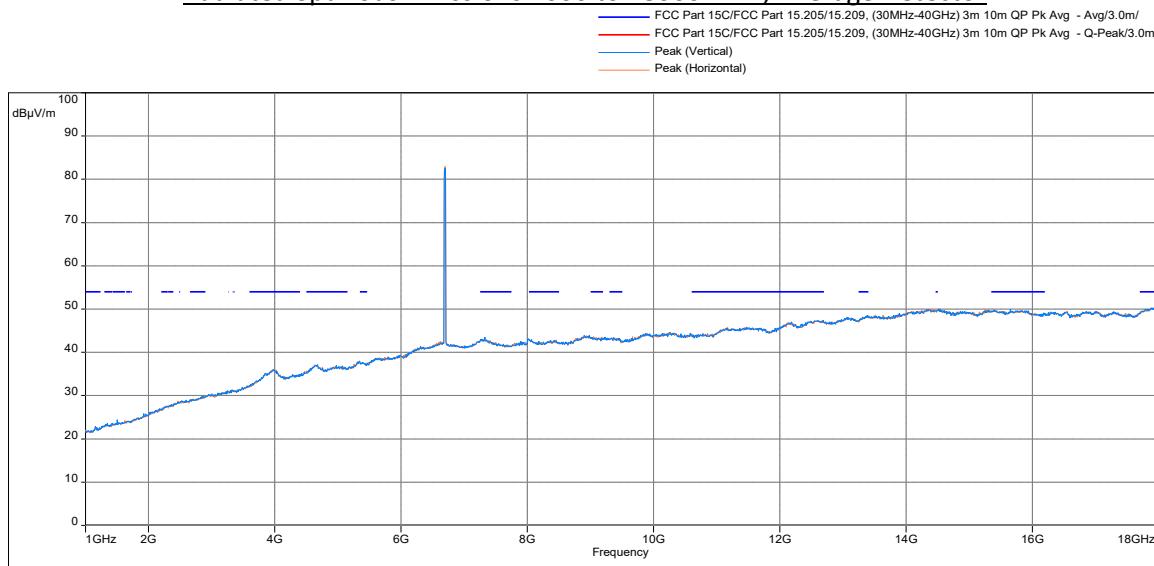


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	34.21	54.00	-19.79	64.91	Horizontal	0.54
612.970	22.16	46.00	-23.84	344.59	Horizontal	-6.15
135.019	19.59	43.50	-23.91	164.41	Vertical	-14.86
133.208	19.36	43.50	-24.14	158.80	Vertical	-15.05
612.453	21.54	46.00	-24.46	23.22	Horizontal	-6.21
128.972	18.99	43.50	-24.51	161.61	Vertical	-15.59

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector



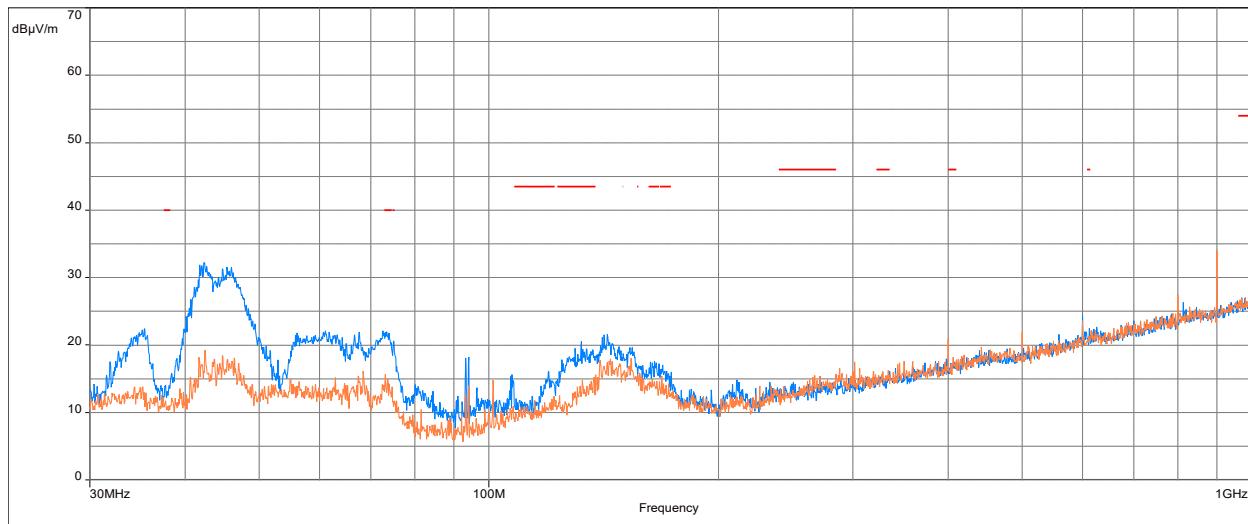
Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17951.267	Peak	69.39	74.00	-4.61	62.03	Horizontal	49.25
15776.967	Peak	68.58	74.00	-5.42	38.49	Vertical	48.80
16011.567	Peak	68.12	74.00	-5.88	120.13	Horizontal	48.69
17992.633	Average	50.71	54.00	-3.29	93.92	Horizontal	49.37
17994.900	Average	50.53	54.00	-3.47	147.42	Vertical	49.38
7324.000	Average	43.50	54.00	-10.50	226.26	Vertical	41.98

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (20MHz), 6875MHz

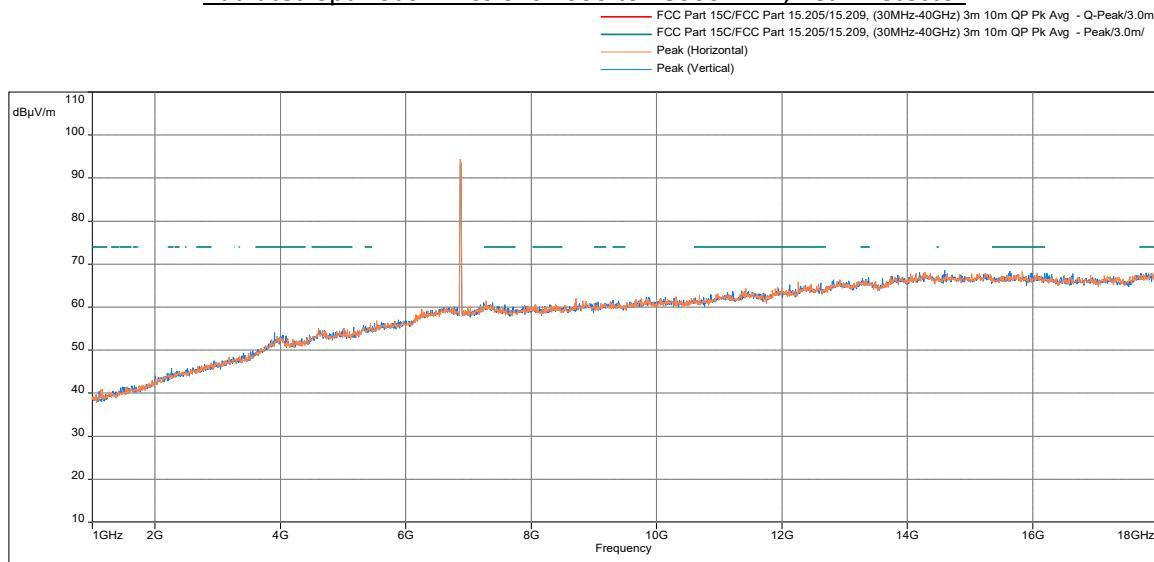
Radiated Spurious Emissions 30 MHz to 1000 MHz

— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Average/3.0m/
— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m/
— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Peak/3.0m/
— Peak (Horizontal)
— Peak (Vertical)

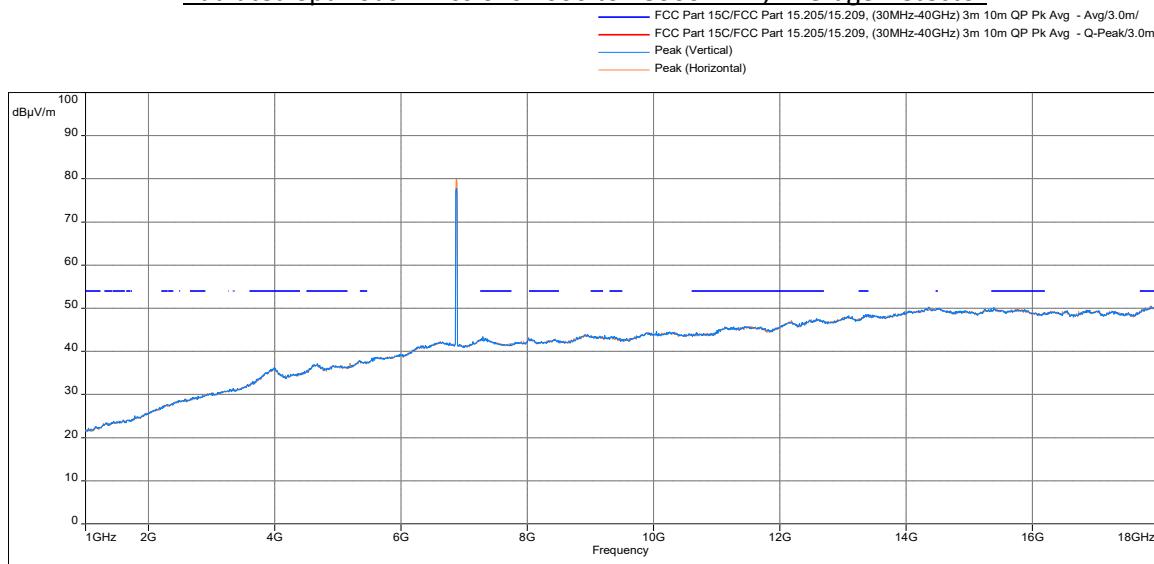


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
75.040	20.65	40.00	-19.35	237.19	Vertical	-17.16
1000.000	34.62	54.00	-19.38	81.34	Horizontal	0.54
132.173	20.53	43.50	-22.97	156.62	Vertical	-15.16
612.808	22.49	46.00	-23.51	227.58	Vertical	-6.17
129.781	19.49	43.50	-24.01	156.62	Vertical	-15.50
134.340	19.43	43.50	-24.07	165.04	Vertical	-14.93

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector



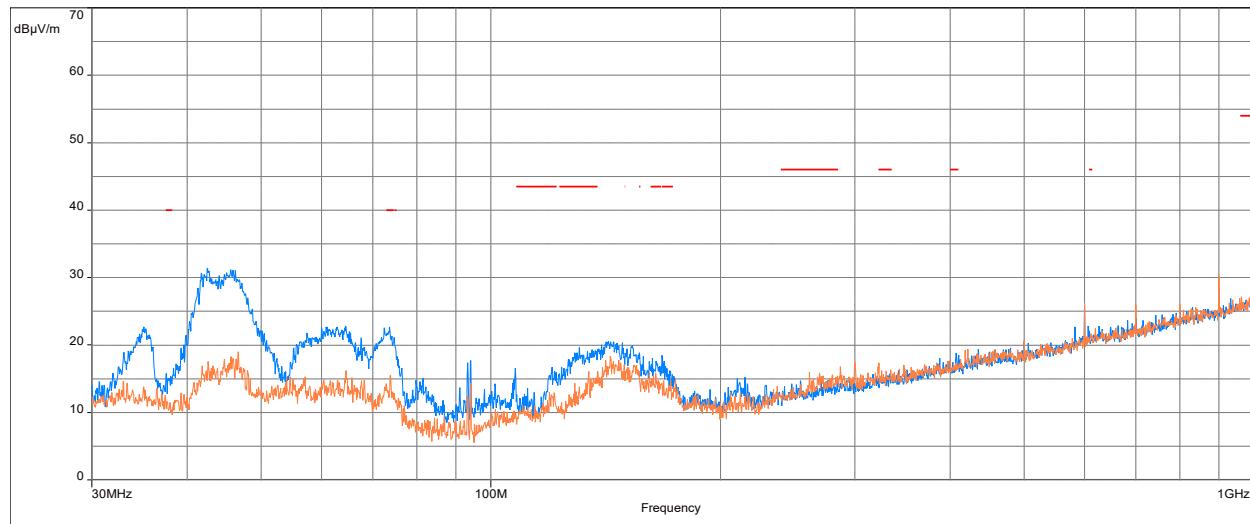
Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17966.567	Peak	68.48	74.00	-5.52	341.75	Vertical	49.30
15636.433	Peak	68.39	74.00	-5.61	52.82	Vertical	48.68
17949.000	Peak	68.35	74.00	-5.65	105.01	Horizontal	49.25
17880.433	Average	50.56	54.00	-3.44	211.78	Horizontal	49.07
17979.600	Average	50.41	54.00	-3.59	24.37	Vertical	49.33
3992.000	Average	36.35	54.00	-17.65	247.36	Vertical	34.37

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

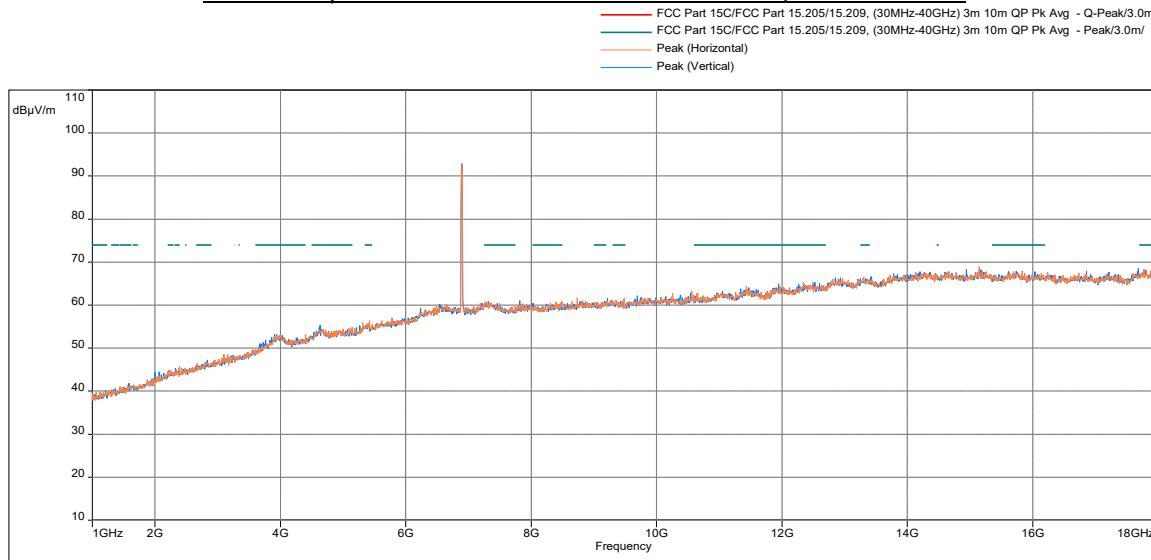
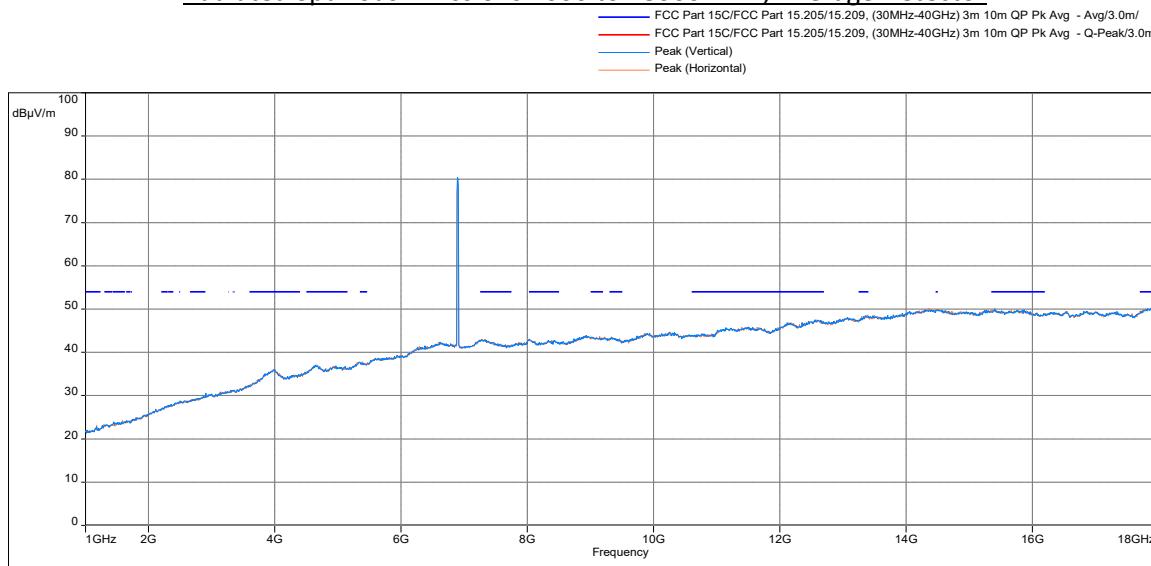
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (20MHz), 6895MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Average/3.0m/
 ——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m/
 ——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Peak/3.0m/
 ——— Peak (Horizontal)
 ——— Peak (Vertical)



Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.682	22.71	40.00	-17.29	267.86	Vertical	-16.76
1000.000	33.90	54.00	-20.10	67.51	Horizontal	0.54
130.686	19.62	43.50	-23.88	156.62	Vertical	-15.41
608.249	22.10	46.00	-23.90	4.78	Vertical	-6.44
37.534	15.85	40.00	-24.15	58.02	Vertical	-14.10
611.935	21.73	46.00	-24.27	179.94	Horizontal	-6.26

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector

Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector


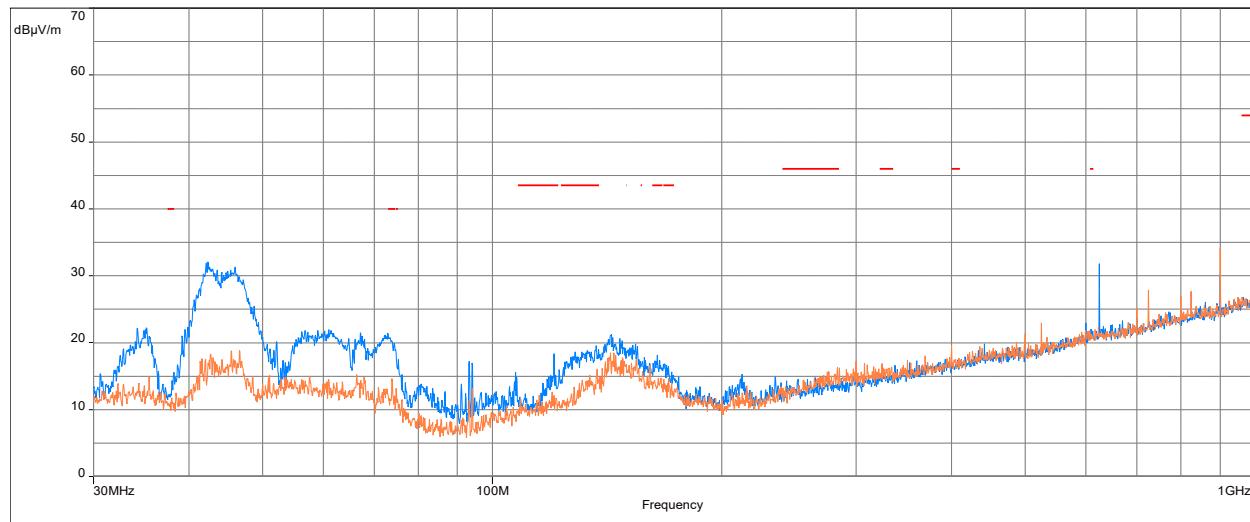
Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17773.900	Peak	68.42	74.00	-5.58	40.14	Horizontal	48.77
17775.600	Peak	68.13	74.00	-5.87	0.01	Vertical	48.78
15836.467	Peak	68.03	74.00	-5.97	54.47	Horizontal	48.83
17995.467	Average	50.43	54.00	-3.57	25.17	Vertical	49.38
17996.600	Average	50.32	54.00	-3.68	334.83	Horizontal	49.38
15401.833	Average	50.07	54.00	-3.93	162.54	Vertical	48.54

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (20MHz), 6995MHz

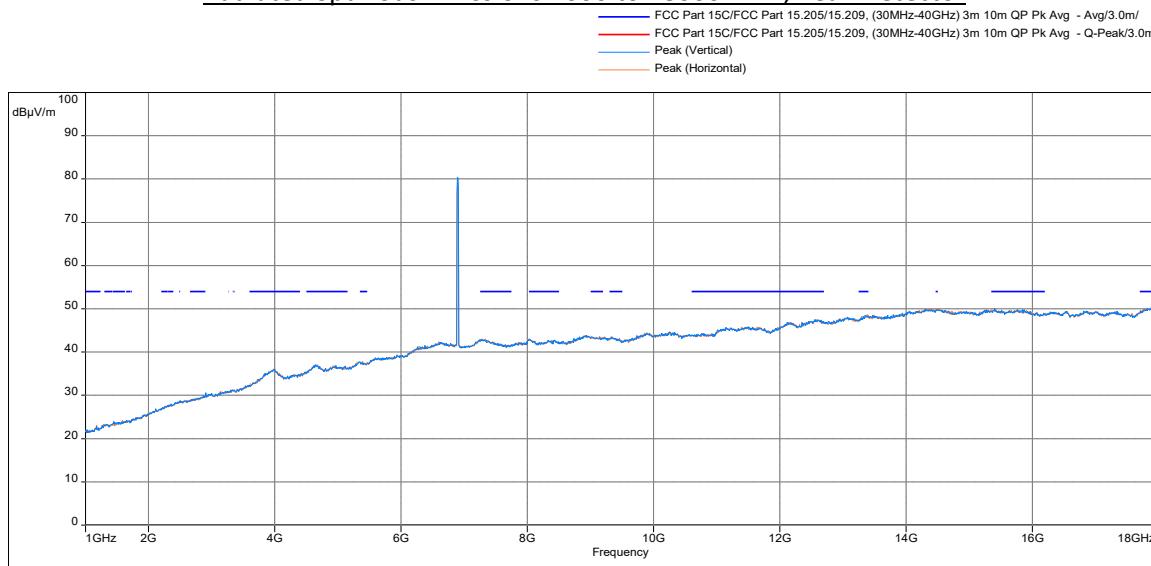
Radiated Spurious Emissions 30 MHz to 1000 MHz

——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Average/3.0m/
 ——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m/
 ——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Peak/3.0m/
 ——— Peak (Horizontal)
 ——— Peak (Vertical)

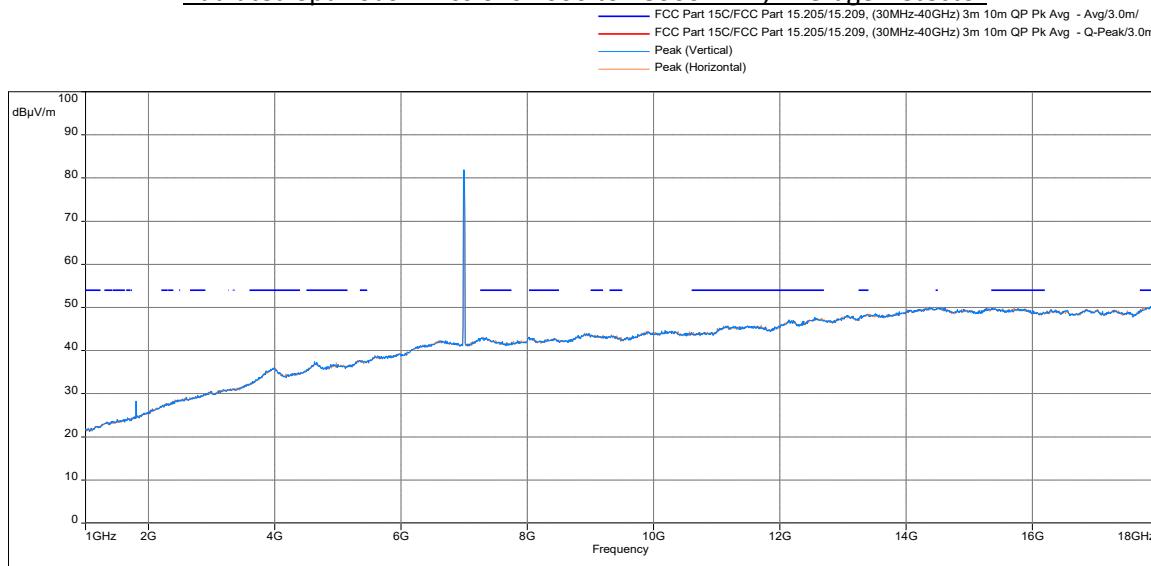


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	34.83	54.00	-19.17	69.89	Horizontal	0.54
609.219	22.06	46.00	-23.94	274.45	Vertical	-6.36
136.894	19.53	43.50	-23.97	157.81	Vertical	-14.57
612.550	21.79	46.00	-24.21	0.00	Vertical	-6.20
609.866	21.50	46.00	-24.50	278.66	Vertical	-6.36
610.286	21.31	46.00	-24.69	74.10	Horizontal	-6.33

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

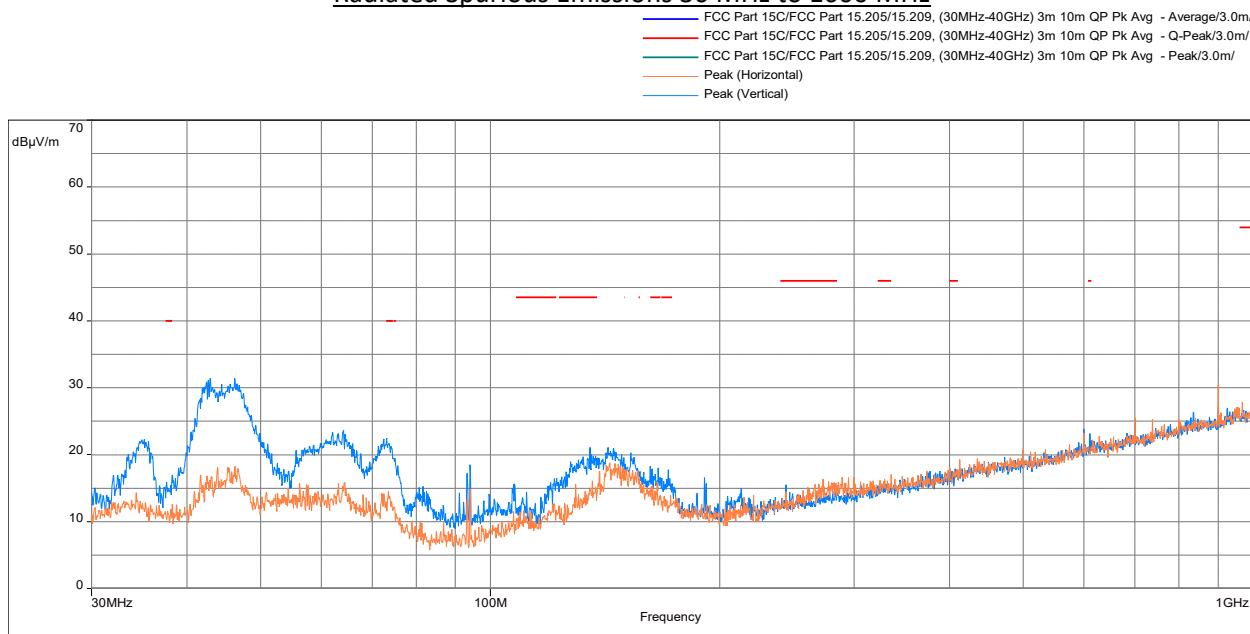


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
15800.200	Peak	69.17	74.00	-4.83	359.17	Vertical	48.81
17966.000	Peak	68.98	74.00	-5.02	61.23	Horizontal	49.30
17954.667	Peak	68.08	74.00	-5.92	239.87	Vertical	49.26
17890.633	Average	50.75	54.00	-3.25	93.13	Horizontal	49.10
17990.933	Average	50.46	54.00	-3.54	264.50	Vertical	49.37
3988.033	Average	36.14	54.00	-17.86	233.67	Horizontal	34.36

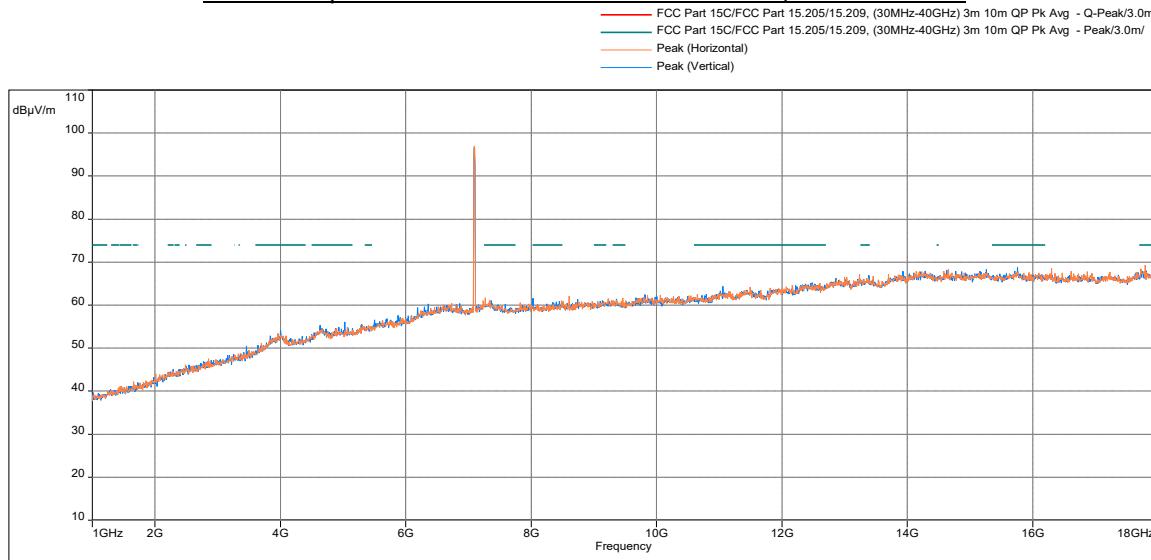
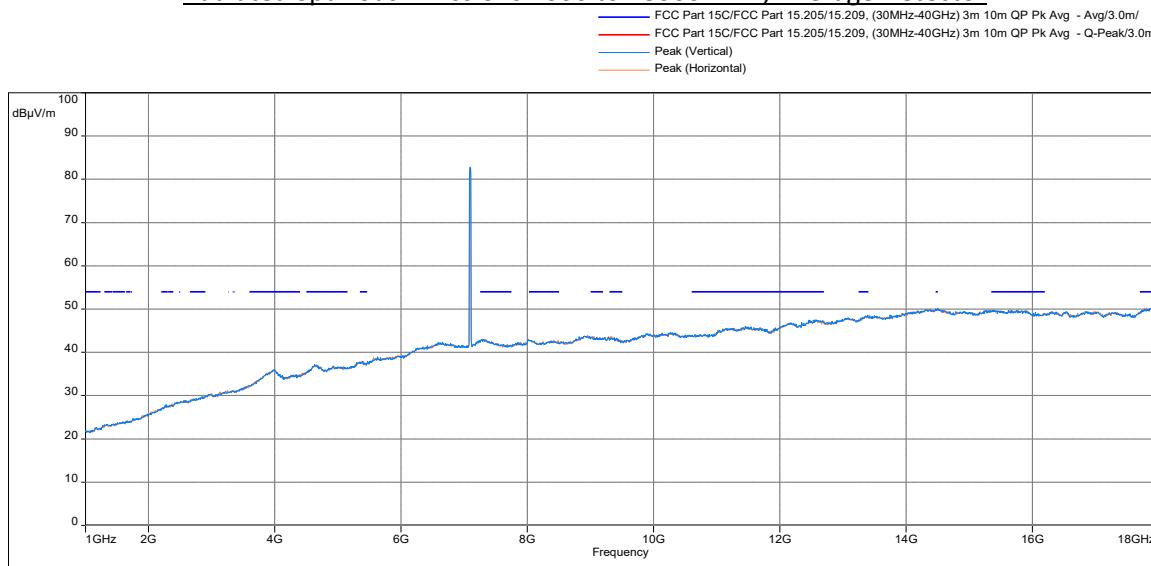
Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (20MHz), 7095MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz



Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.133	22.47	40.00	-17.53	251.66	Vertical	-16.61
1000.000	35.36	54.00	-18.64	69.78	Horizontal	0.54
135.083	21.09	43.50	-22.41	0.60	Vertical	-14.84
611.612	23.15	46.00	-22.85	181.89	Vertical	-6.26
135.762	20.08	43.50	-23.42	137.40	Vertical	-14.71
136.409	19.82	43.50	-23.68	155.43	Vertical	-14.62

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector

Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector


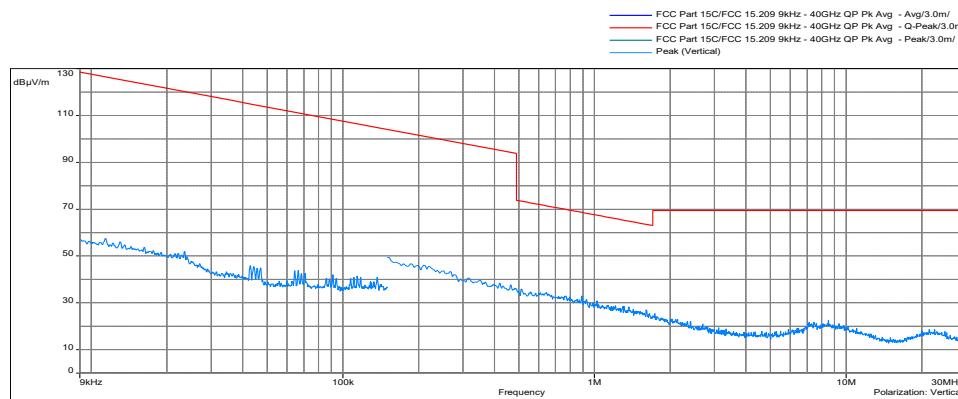
Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17795.433	Peak	69.30	74.00	-4.70	77.14	Horizontal	48.82
15758.267	Peak	68.72	74.00	-5.28	87.44	Vertical	48.79
17984.700	Peak	68.70	74.00	-5.30	0.00	Vertical	49.35
17957.500	Average	50.35	54.00	-3.65	93.92	Horizontal	49.27
17986.400	Average	50.29	54.00	-3.71	27.98	Vertical	49.35
14495.733	Average	50.05	54.00	-3.95	186.30	Horizontal	48.71

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

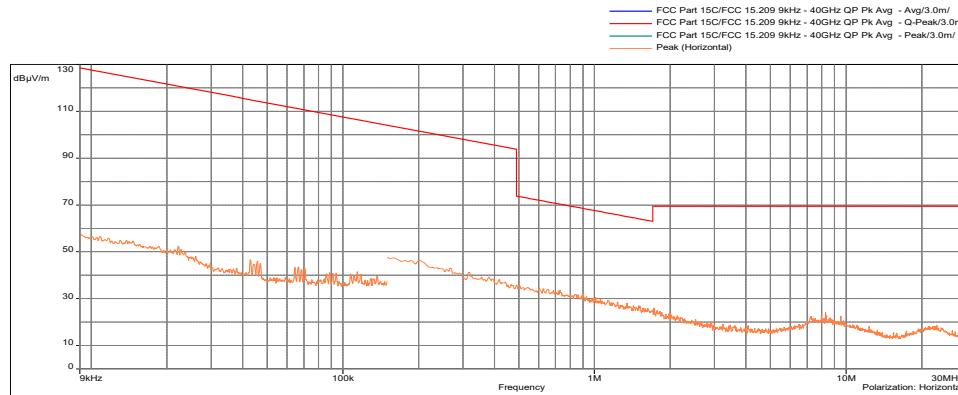
Test Results: 15.209 Radiated Spurious Emissions
Worst Case Tx at 802.11ax (40MHz), 5965MHz

Radiated Spurious Emissions 9 kHz to 30 MHz

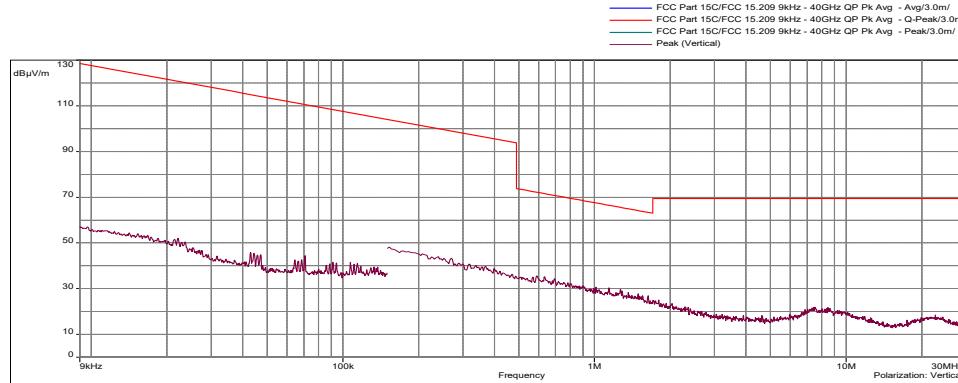
Antenna Position -
Coaxial



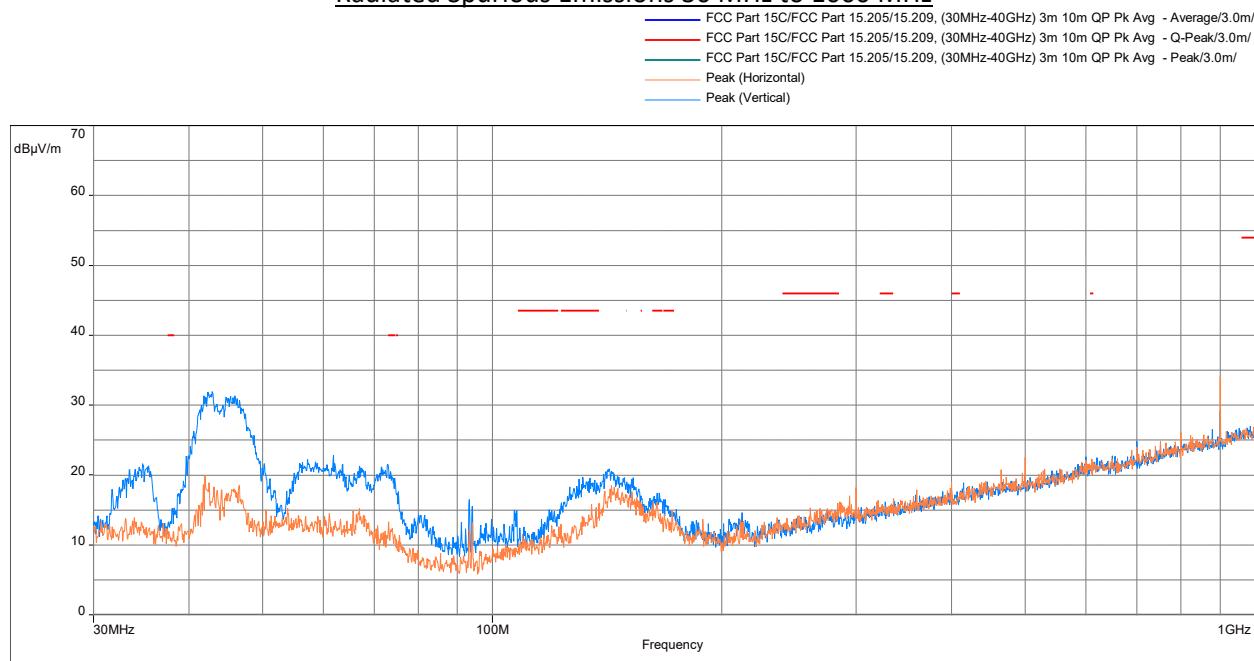
Antenna Position -
Coplanar



Antenna Position -
Horizontal



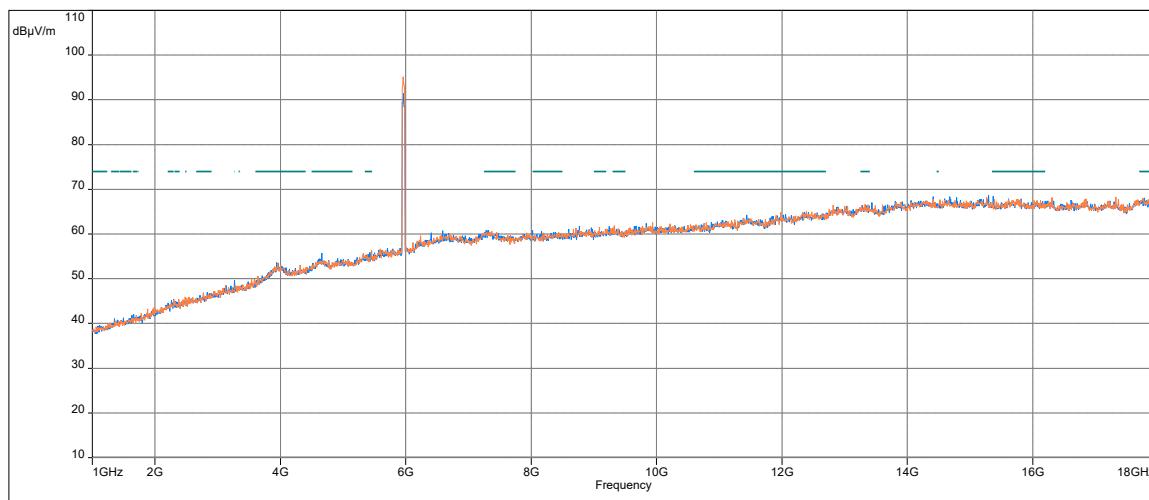
Radiated Spurious Emissions 30 MHz to 1000 MHz



Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	30.62	54.00	-23.38	300.79	Horizontal	0.54
611.095	22.29	46.00	-23.71	36.94	Horizontal	-6.26
131.494	19.69	43.50	-23.81	166.23	Vertical	-15.27
134.307	19.54	43.50	-23.96	134.37	Vertical	-14.93
129.942	19.46	43.50	-24.04	160.83	Vertical	-15.49
613.390	21.83	46.00	-24.17	99.37	Horizontal	-6.15

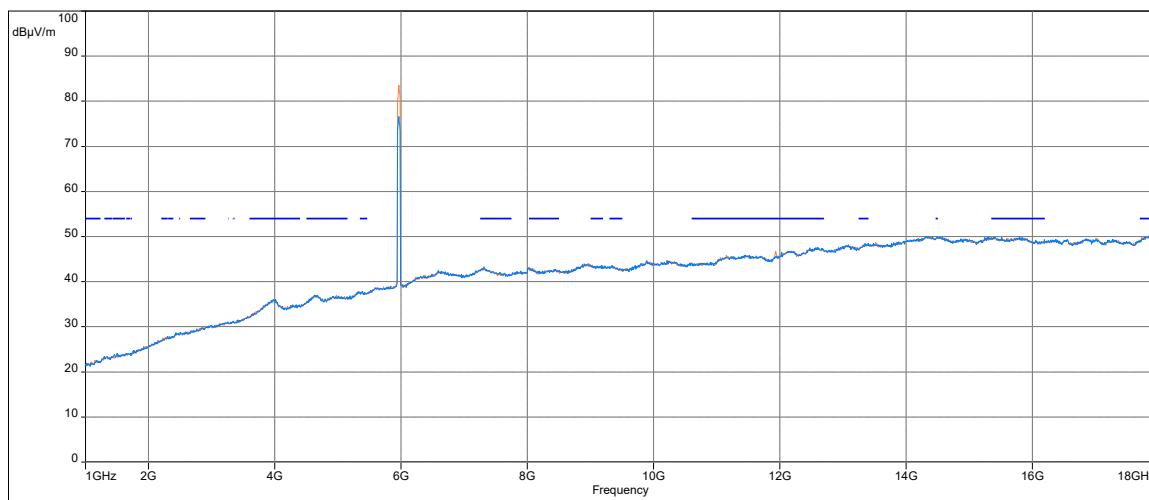
Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector

——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m
 ——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Peak/3.0m/
 ——— Peak (Horizontal)
 ——— Peak (Vertical)



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Avg/3.0m/
 ——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m/
 ——— Peak (Vertical)
 ——— Peak (Horizontal)

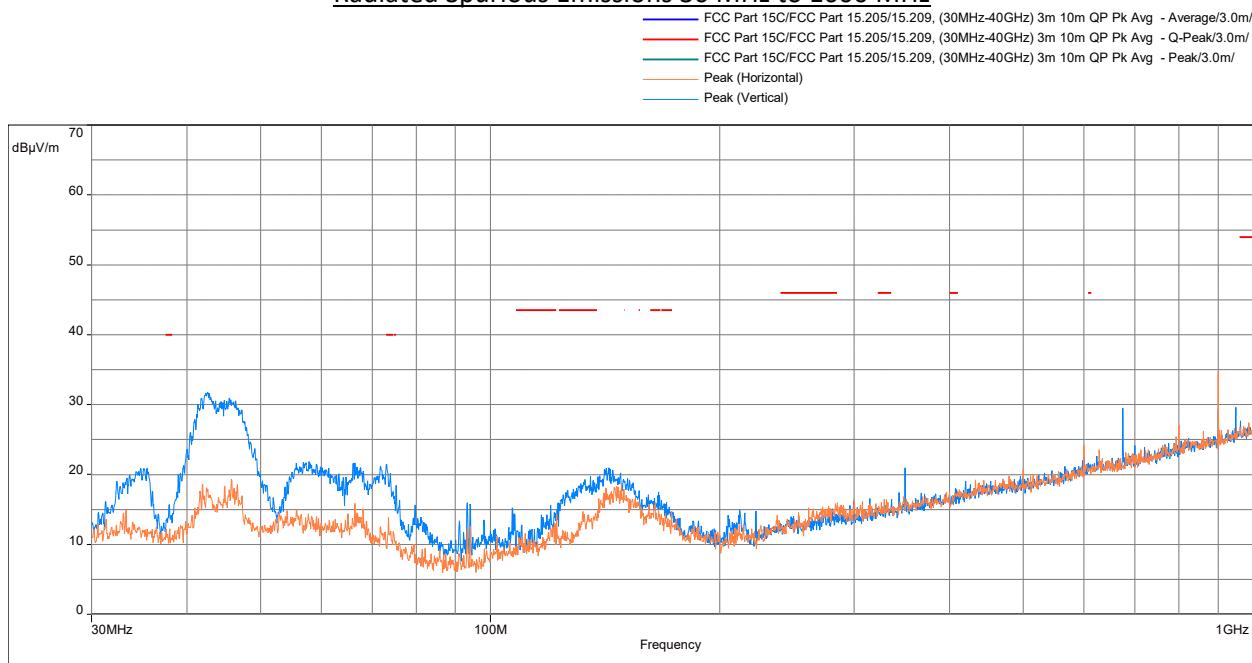


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dB μ V/m)	PK/AV Limit dB(μ V/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17911.033	Peak	69.81	74.00	-4.19	169.88	Horizontal	49.16
15369.533	Peak	68.51	74.00	-5.49	46.05	Vertical	48.55
17937.100	Peak	68.51	74.00	-5.49	125.25	Vertical	49.22
17969.967	Average	50.44	54.00	-3.56	266.08	Vertical	49.31
17947.867	Average	50.31	54.00	-3.69	334.04	Horizontal	49.25
15796.800	Average	50.09	54.00	-3.91	43.09	Vertical	48.81

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

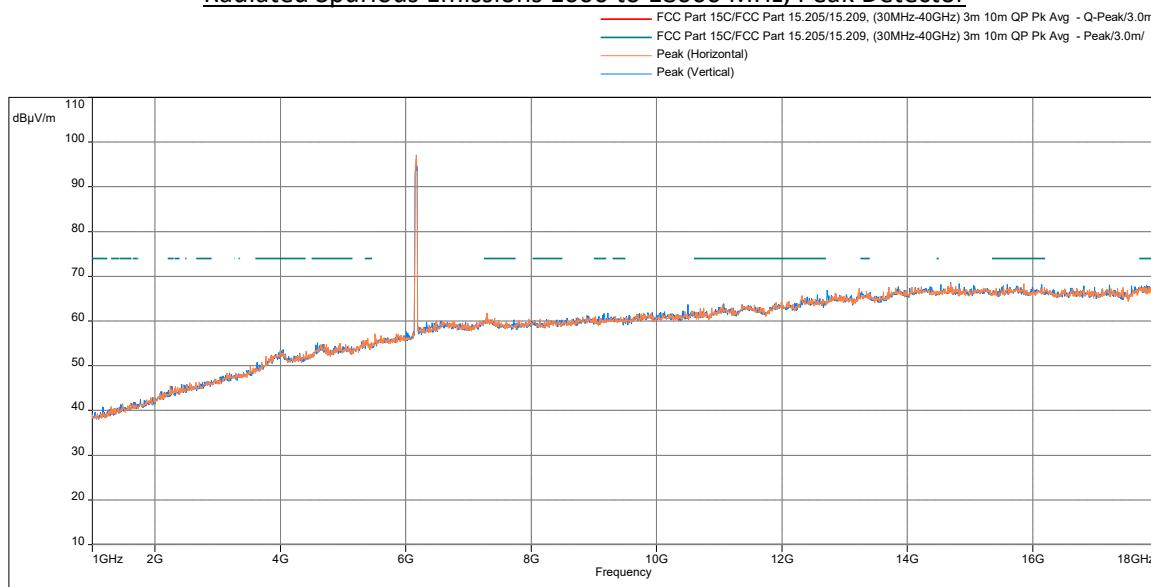
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (40MHz), 6165MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

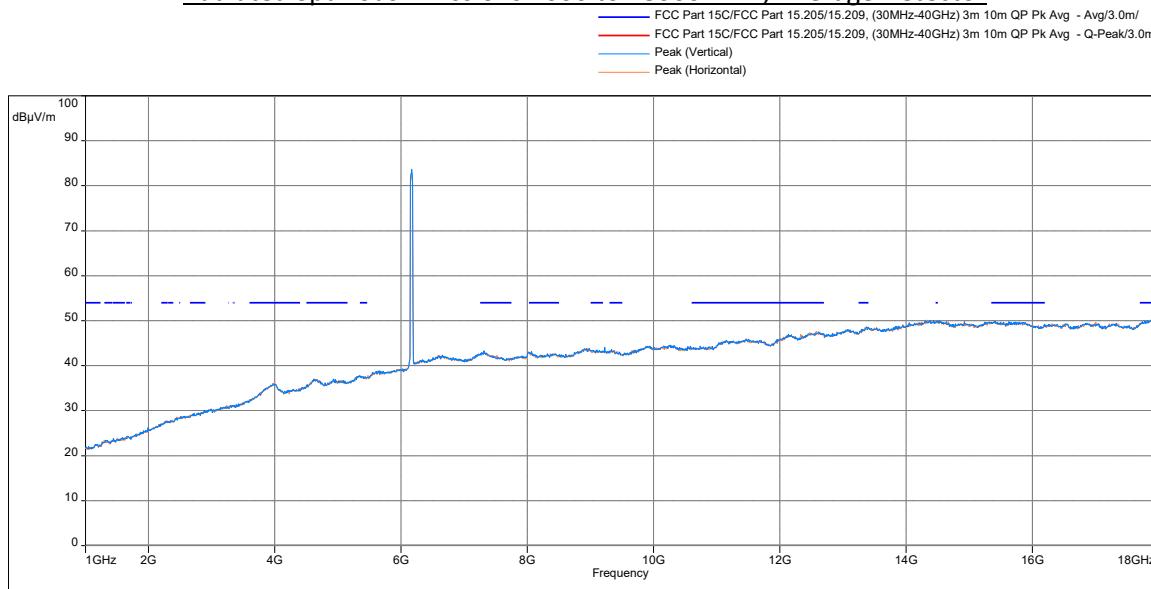


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.100	21.50	40.00	-18.50	206.52	Vertical	-16.60
73.941	20.16	40.00	-19.84	232.98	Vertical	-16.83
1000.000	30.94	54.00	-23.06	78.31	Horizontal	0.54
135.310	19.74	43.50	-23.76	160.83	Vertical	-14.80
37.954	15.68	40.00	-24.32	359.85	Vertical	-14.09
136.377	19.17	43.50	-24.33	148.20	Vertical	-14.62

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector



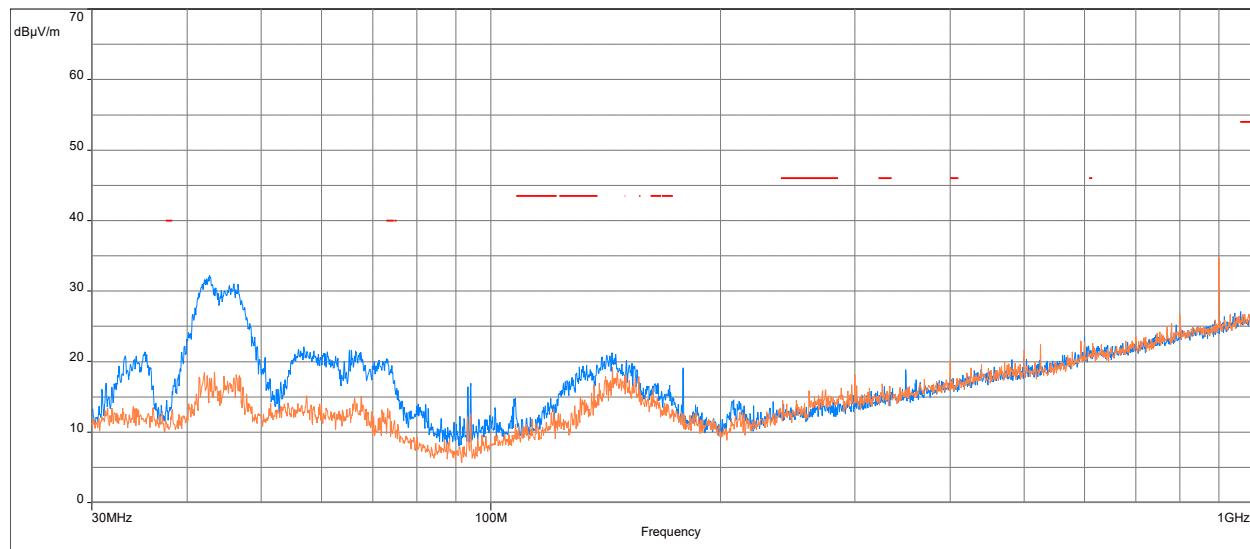
Freq. (MHz)	Detector Mode PK/QP/AV	FS (dB μ V/m)	PK/AV Limit dB(μ V/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
15862.533	Peak	68.40	74.00	-5.60	77.14	Horizontal	48.83
16147.567	Peak	68.20	74.00	-5.80	59.58	Vertical	48.61
15592.800	Peak	68.19	74.00	-5.81	167.44	Vertical	48.62
17981.867	Average	50.53	54.00	-3.47	144.62	Vertical	49.34
17947.867	Average	50.34	54.00	-3.66	27.98	Horizontal	49.25
3969.900	Average	36.17	54.00	-17.83	357.40	Horizontal	34.36

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (40MHz), 6405MHz

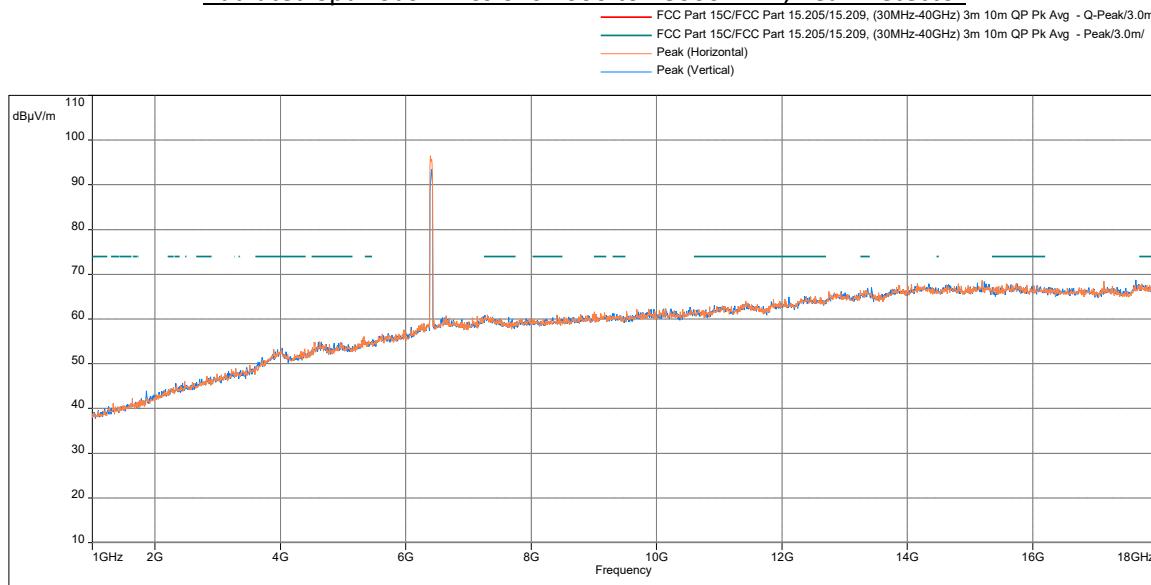
Radiated Spurious Emissions 30 MHz to 1000 MHz

— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Average/3.0m/
— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m/
— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Peak/3.0m/
— Peak (Horizontal)
— Peak (Vertical)

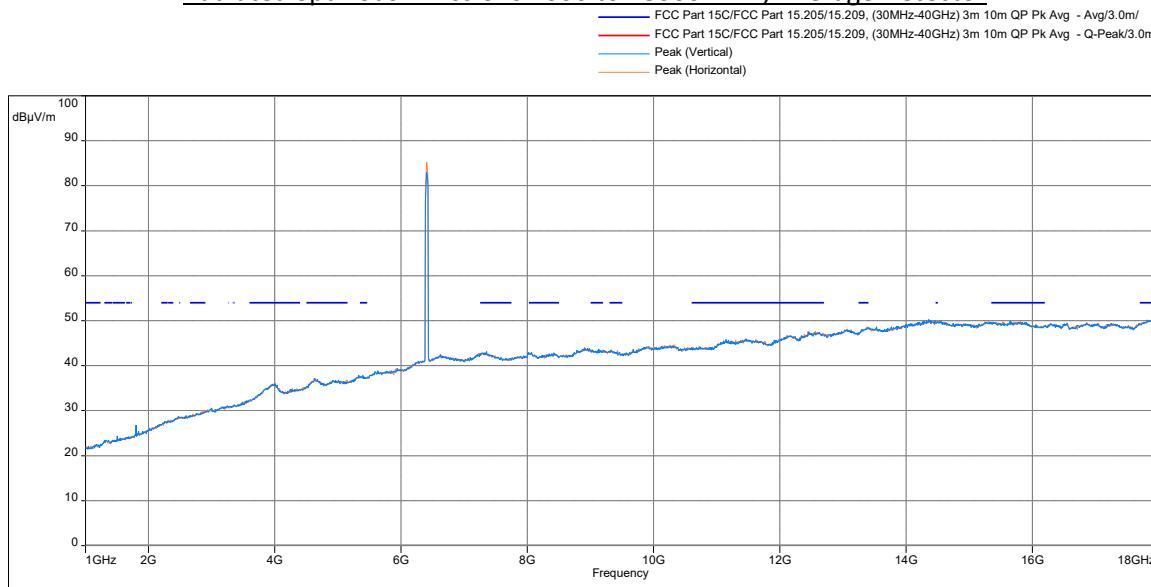


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.003	20.41	40.00	-19.59	210.73	Vertical	-16.57
74.200	19.45	40.00	-20.55	231.79	Vertical	-16.91
1000.000	32.62	54.00	-21.38	56.06	Horizontal	0.54
133.564	19.50	43.50	-24.00	147.01	Vertical	-15.01
611.935	21.56	46.00	-24.44	67.63	Vertical	-6.26
609.640	21.55	46.00	-24.45	359.85	Vertical	-6.36

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

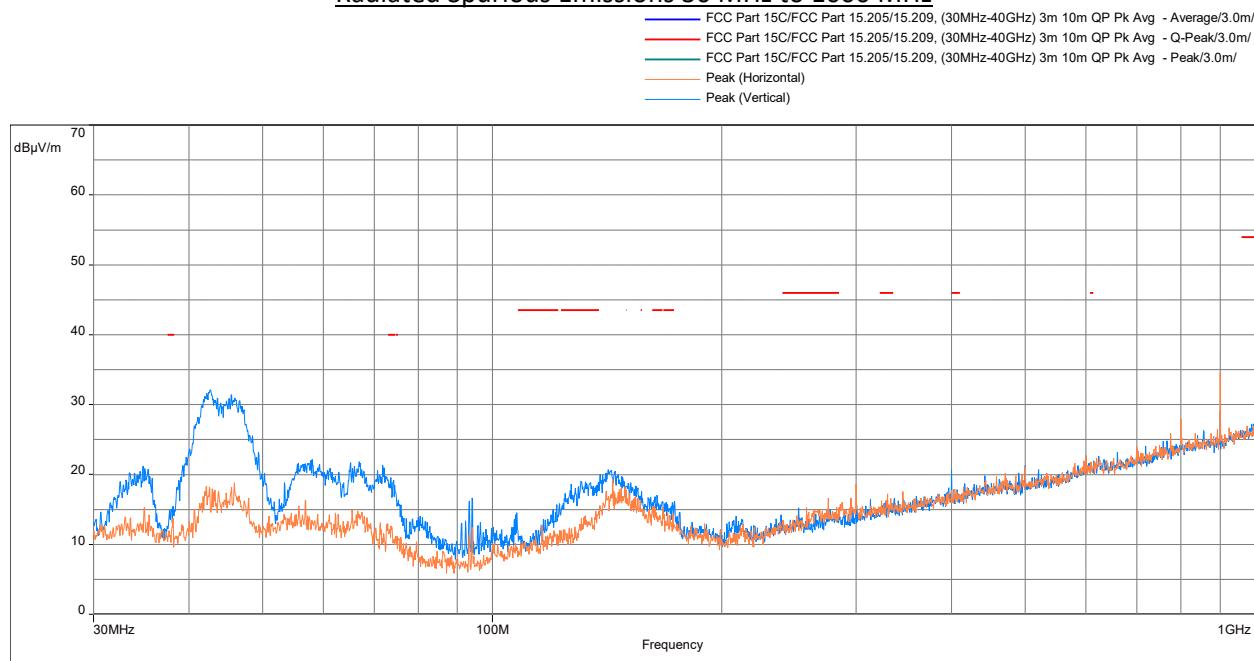


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
15735.600	Peak	67.95	74.00	-6.05	54.47	Horizontal	48.78
17739.333	Peak	67.94	74.00	-6.06	105.01	Horizontal	48.70
15754.867	Peak	67.90	74.00	-6.10	359.98	Vertical	48.79
17961.467	Average	50.30	54.00	-3.70	27.18	Vertical	49.28
17989.800	Average	50.28	54.00	-3.72	95.51	Horizontal	49.36
4003.900	Average	36.08	54.00	-17.92	357.40	Vertical	34.36

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

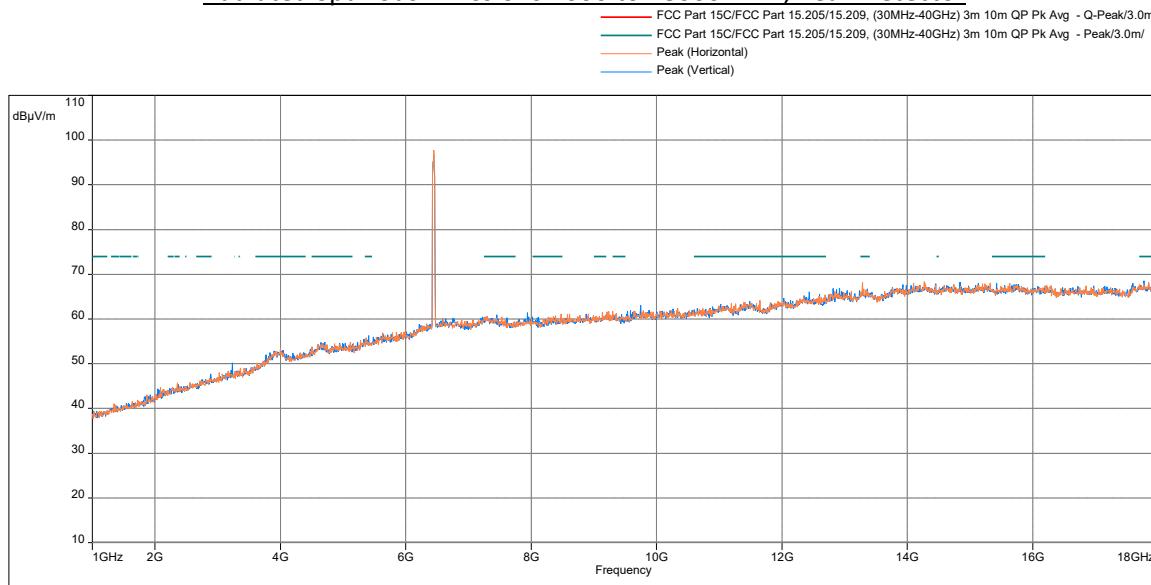
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (40MHz), 6445MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

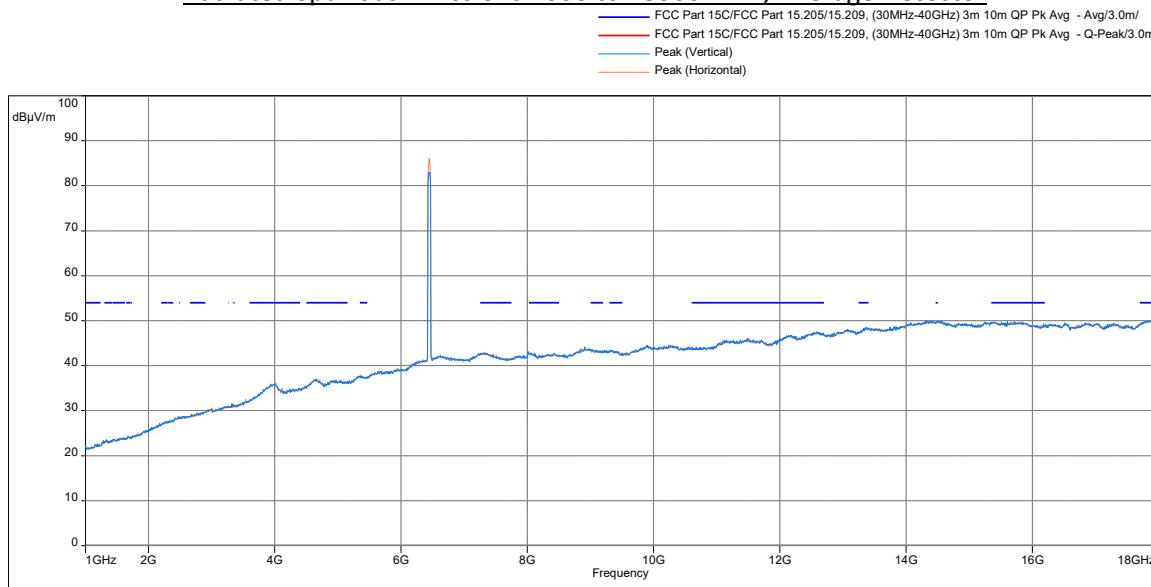


Freq. (MHz)	QPeak@ 3m (dB μ V/m)	Lim. QPeak @3m (dB μ V/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	31.86	54.00	-22.14	301.98	Horizontal	0.54
609.607	21.86	46.00	-24.14	151.65	Horizontal	-6.36
610.707	21.57	46.00	-24.43	106.73	Vertical	-6.29
130.751	19.04	43.50	-24.46	138.59	Vertical	-15.40
1000.000	29.40	54.00	-24.60	231.79	Vertical	0.54
126.935	18.64	43.50	-24.86	160.84	Vertical	-15.80

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

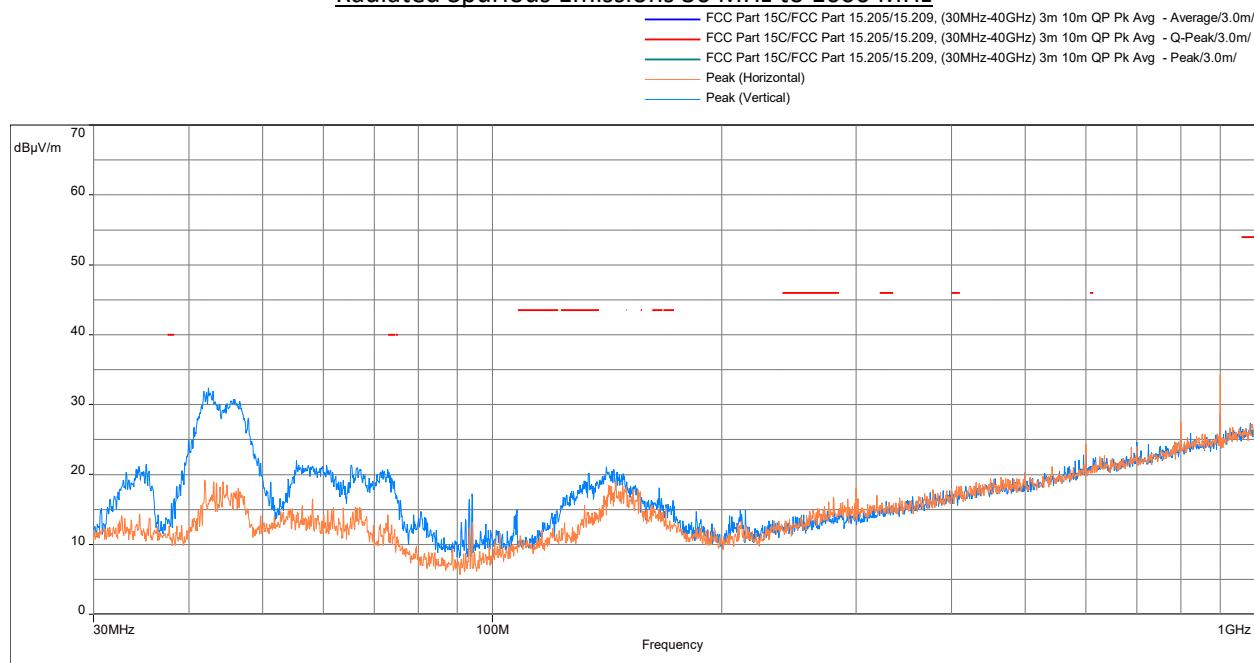


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17776.167	Peak	68.53	74.00	-5.47	228.78	Vertical	48.78
13288.167	Peak	68.16	74.00	-5.84	0.02	Horizontal	47.03
17852.100	Peak	68.14	74.00	-5.86	359.17	Horizontal	48.98
17947.867	Average	50.60	54.00	-3.40	334.04	Vertical	49.25
17923.500	Average	50.27	54.00	-3.73	29.56	Horizontal	49.19
4010.700	Average	36.08	54.00	-17.92	112.64	Vertical	34.36

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

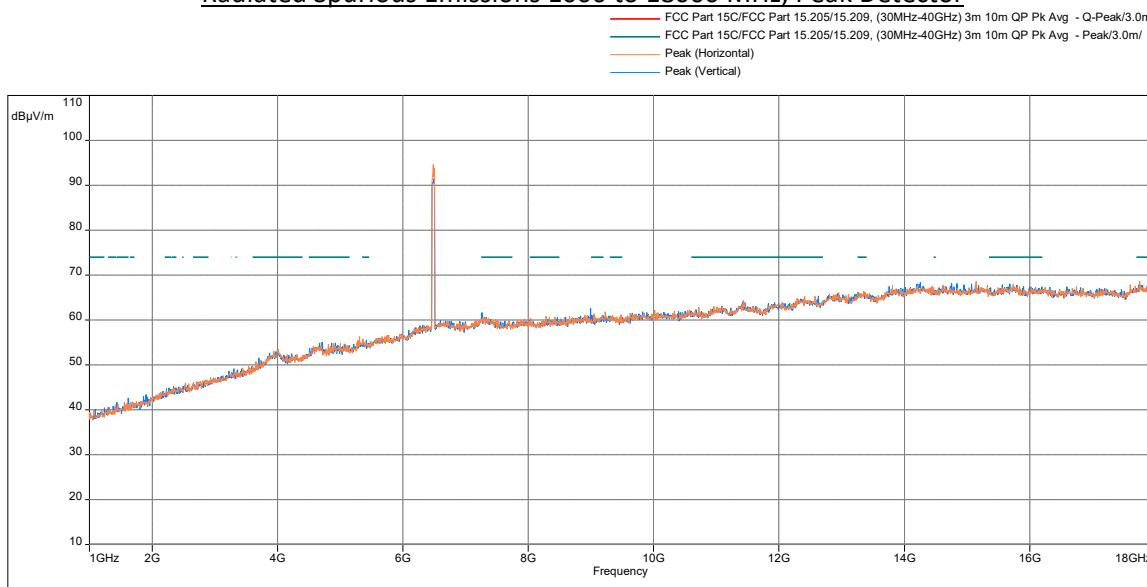
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (40MHz), 6485MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

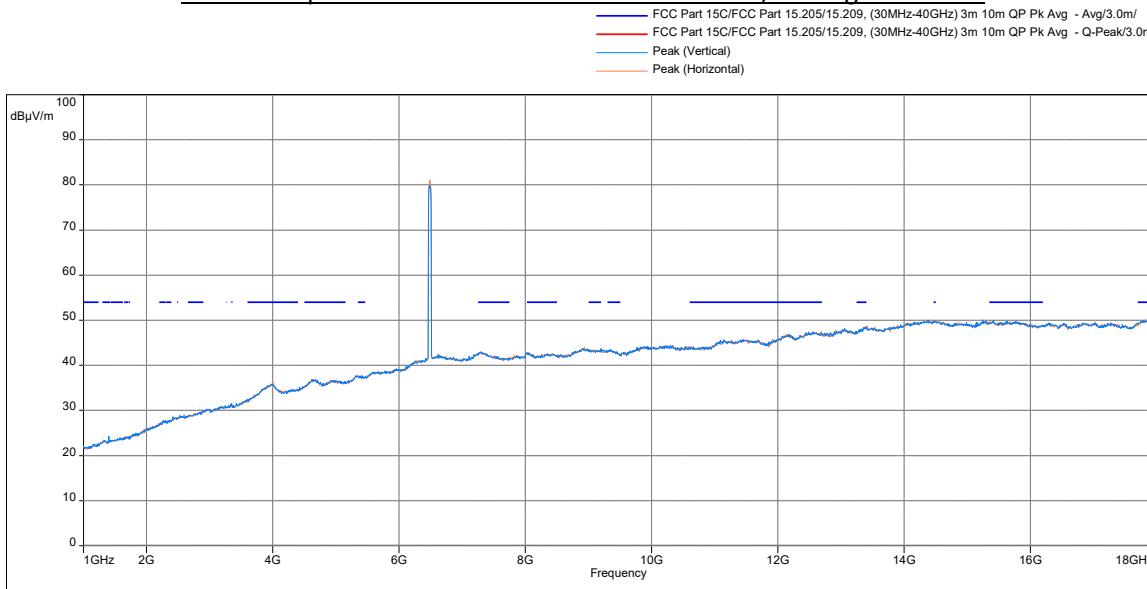


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	33.52	54.00	-20.48	288.16	Horizontal	0.54
133.919	20.15	43.50	-23.35	130.16	Vertical	-14.97
613.649	22.39	46.00	-23.61	143.98	Vertical	-6.15
37.986	15.90	40.00	-24.10	120.55	Vertical	-14.09
131.915	19.08	43.50	-24.42	303.93	Vertical	-15.19
132.400	19.04	43.50	-24.46	143.98	Vertical	-15.13

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector



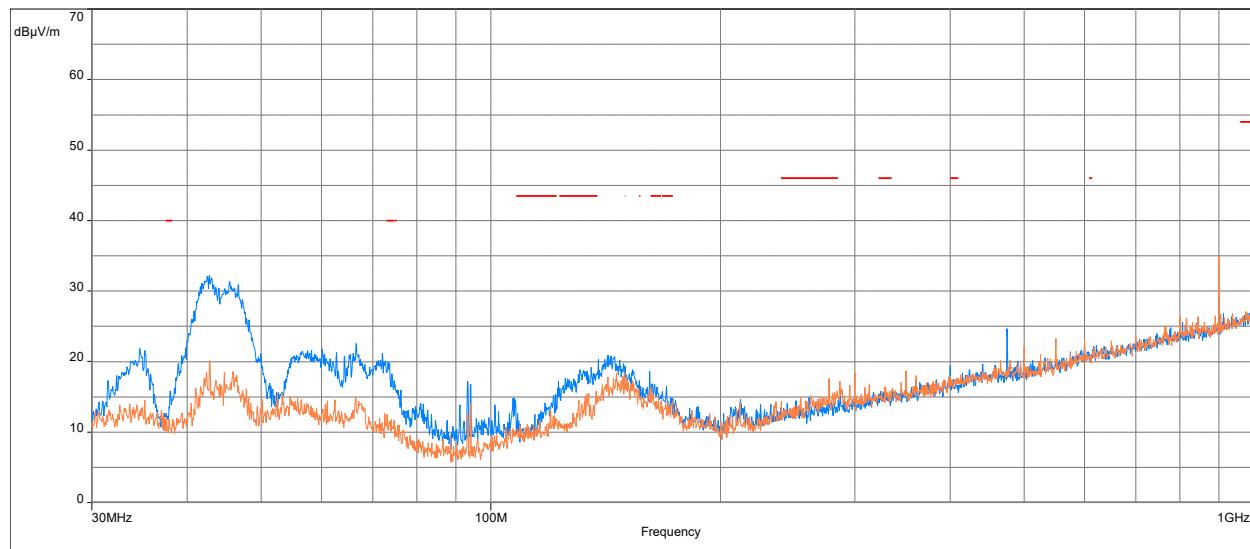
Freq. (MHz)	Detector Mode PK/QP/AV	FS (dB μ V/m)	PK/AV Limit dB(μ V/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17752.933	Peak	68.63	74.00	-5.37	11.41	Horizontal	48.73
17946.167	Peak	68.40	74.00	-5.60	204.45	Horizontal	49.24
15680.633	Peak	68.05	74.00	-5.95	91.47	Vertical	48.75
17996.600	Average	50.41	54.00	-3.59	266.08	Horizontal	49.38
17990.933	Average	50.34	54.00	-3.66	212.58	Vertical	49.37
4004.467	Average	36.15	54.00	-17.85	6.81	Horizontal	34.36

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (40MHz), 6525MHz

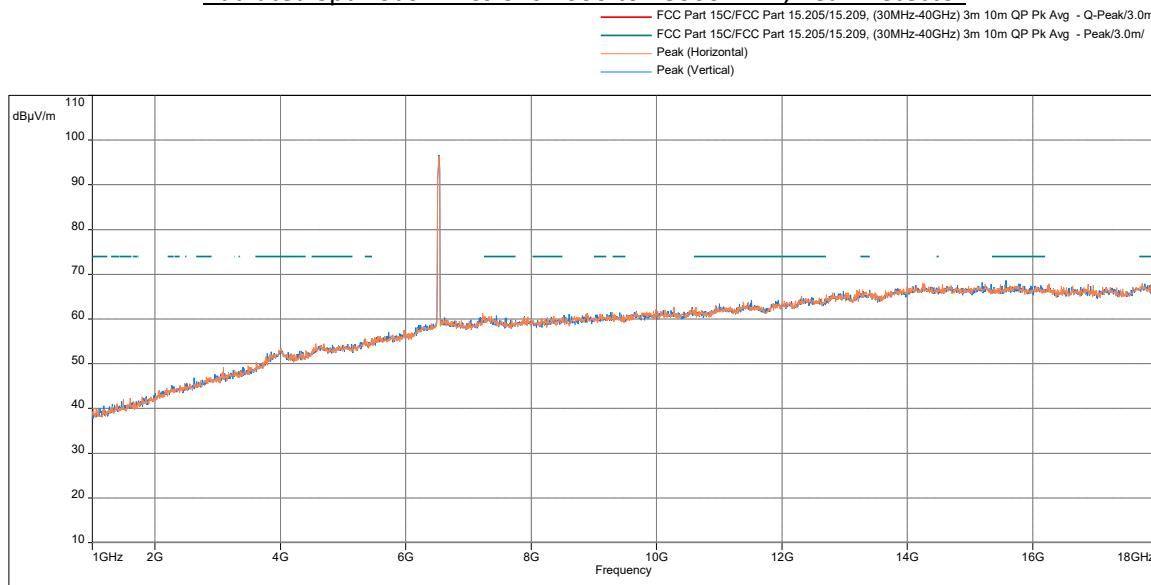
Radiated Spurious Emissions 30 MHz to 1000 MHz

— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Average/3.0m/
— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m/
— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Peak/3.0m/
— Peak (Horizontal)
— Peak (Vertical)

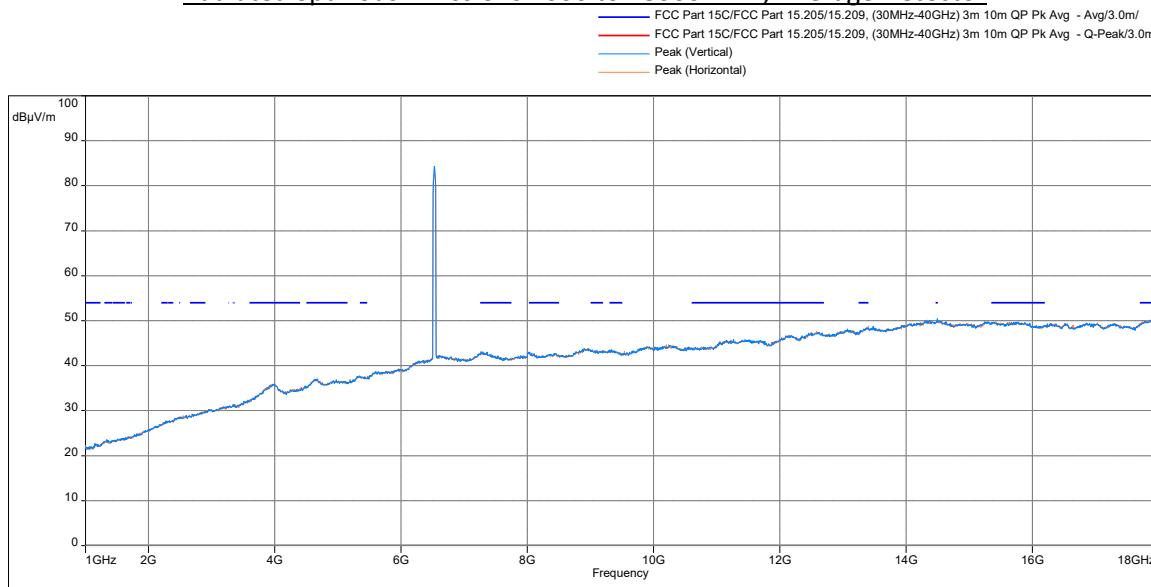


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	32.92	54.00	-21.08	67.51	Horizontal	0.54
135.407	19.18	43.50	-24.32	143.98	Vertical	-14.78
125.254	17.61	43.50	-25.89	139.77	Vertical	-15.90
128.552	17.54	43.50	-25.96	170.45	Vertical	-15.63
399.990	19.45	46.00	-26.55	117.52	Vertical	-10.45
162.793	16.87	43.50	-26.63	255.22	Vertical	-13.25

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

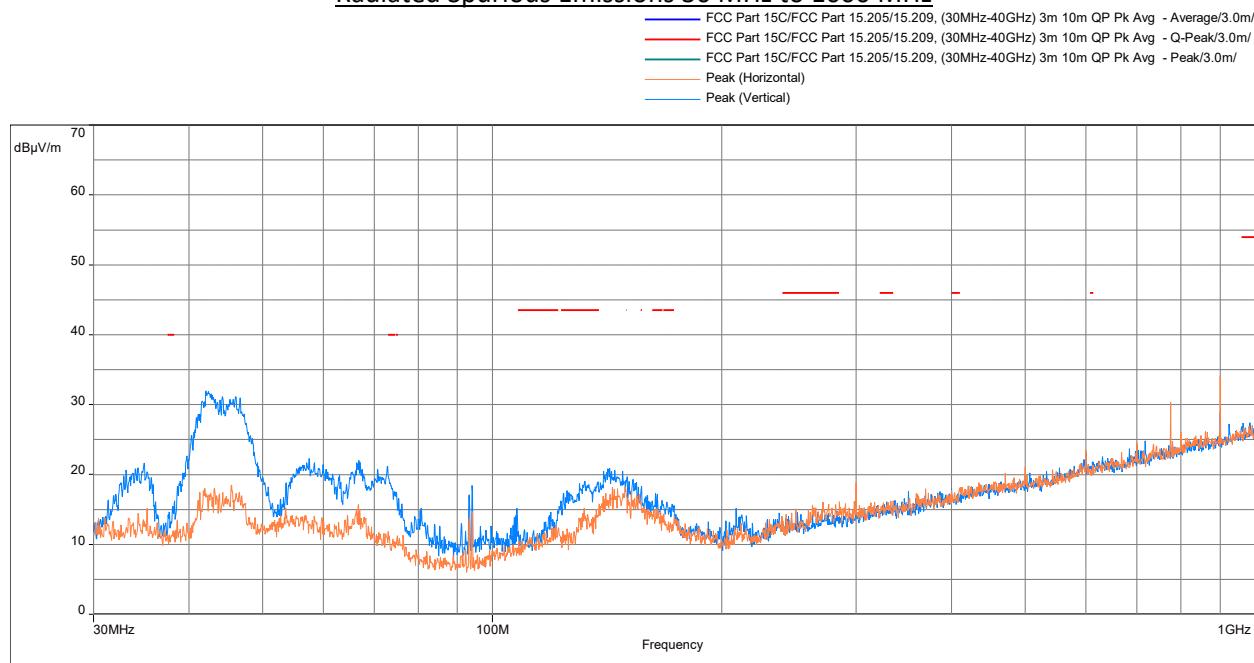


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
15572.400	Peak	68.68	74.00	-5.32	3.58	Vertical	48.60
17751.800	Peak	67.98	74.00	-6.02	268.53	Horizontal	48.72
17790.333	Peak	67.87	74.00	-6.13	228.77	Vertical	48.81
14495.167	Average	50.47	54.00	-3.53	68.44	Vertical	48.71
17971.667	Average	50.35	54.00	-3.65	146.63	Horizontal	49.31
17912.167	Average	50.21	54.00	-3.79	212.58	Vertical	49.16

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

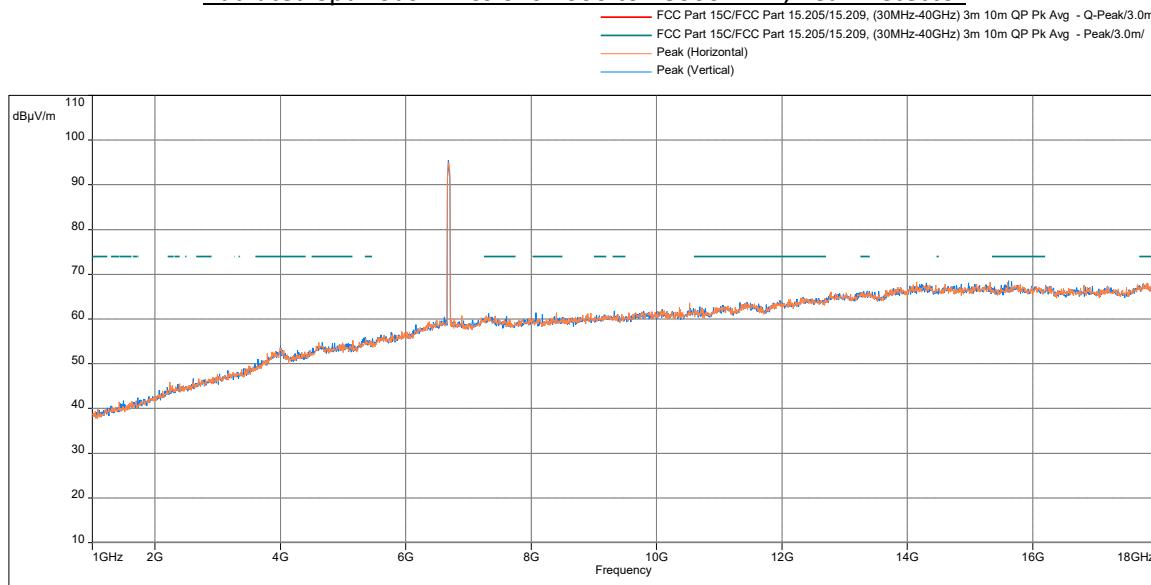
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (40MHz), 6685MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

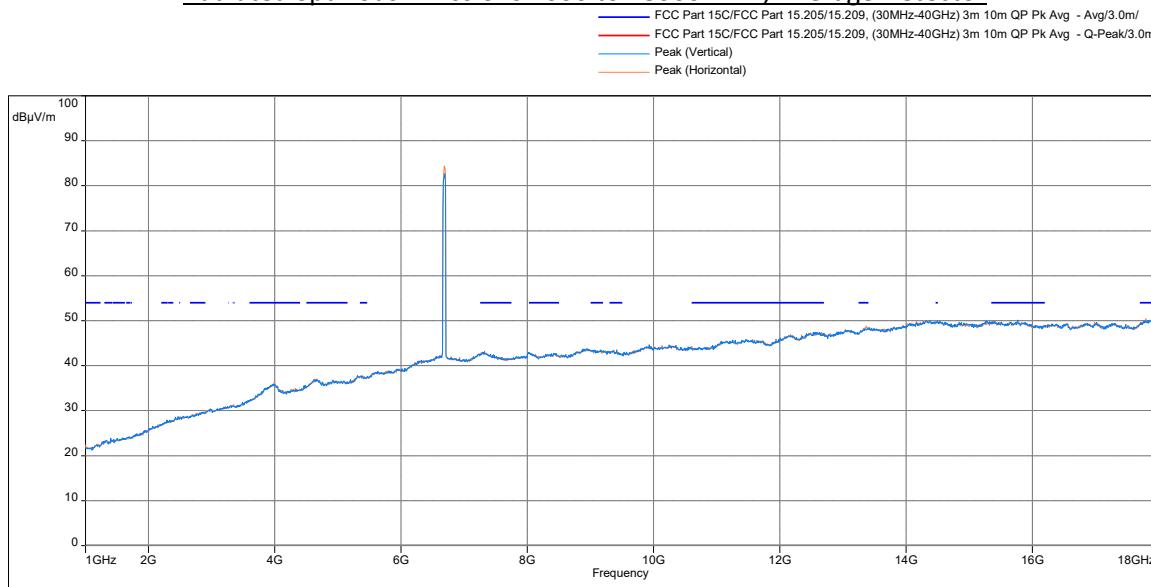


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	33.25	54.00	-20.75	62.66	Horizontal	0.54
612.194	21.83	46.00	-24.17	288.92	Vertical	-6.23
613.843	21.74	46.00	-24.26	8.10	Vertical	-6.15
132.238	19.05	43.50	-24.45	178.87	Vertical	-15.15
613.067	21.38	46.00	-24.62	222.60	Horizontal	-6.15
613.875	21.32	46.00	-24.68	116.76	Horizontal	-6.15

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

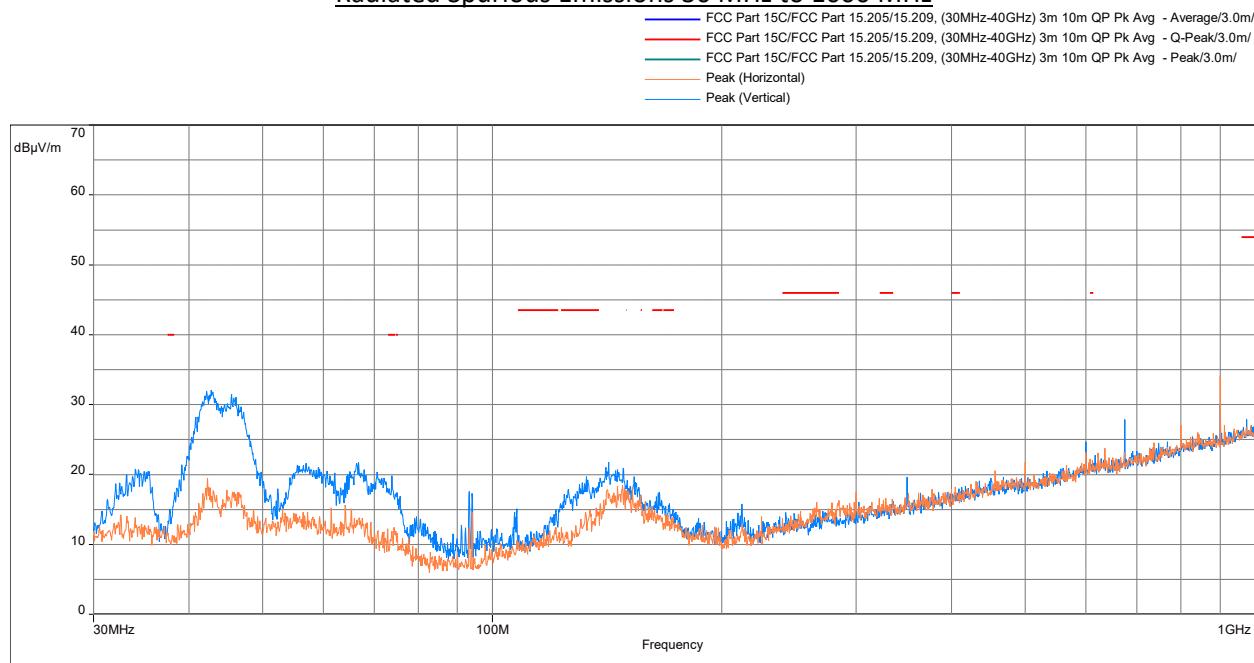


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17981.300	Peak	68.64	74.00	-5.36	322.31	Vertical	49.34
15613.767	Peak	68.56	74.00	-5.44	354.25	Vertical	48.65
15667.033	Peak	68.44	74.00	-5.56	359.99	Vertical	48.73
17798.267	Average	50.46	54.00	-3.54	266.08	Horizontal	48.83
15772.433	Average	50.20	54.00	-3.80	314.10	Vertical	48.79
17991.500	Average	50.19	54.00	-3.81	94.72	Vertical	49.37

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

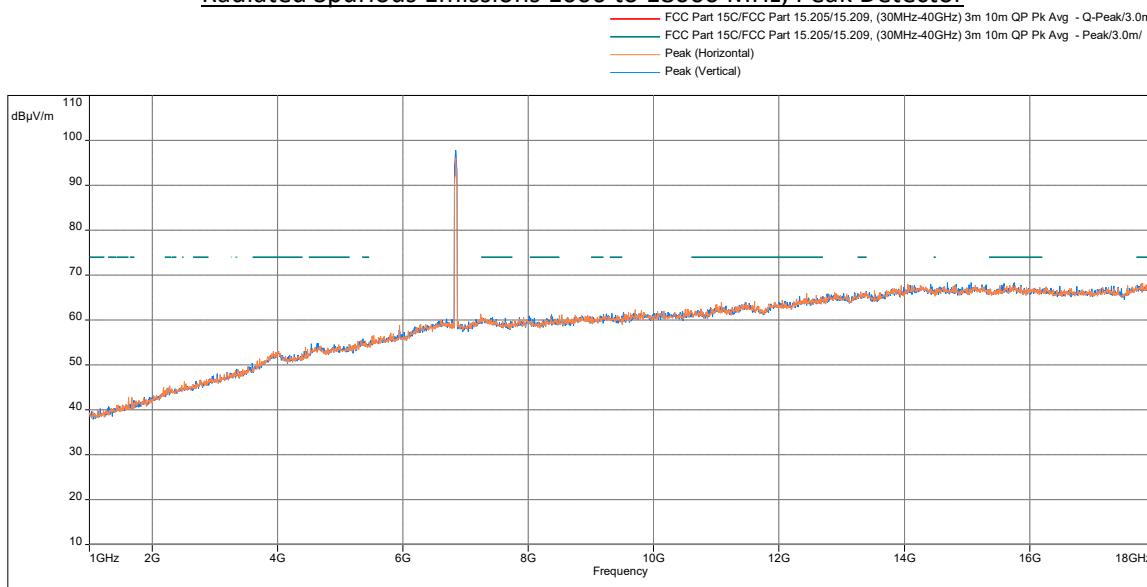
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (40MHz), 6845MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

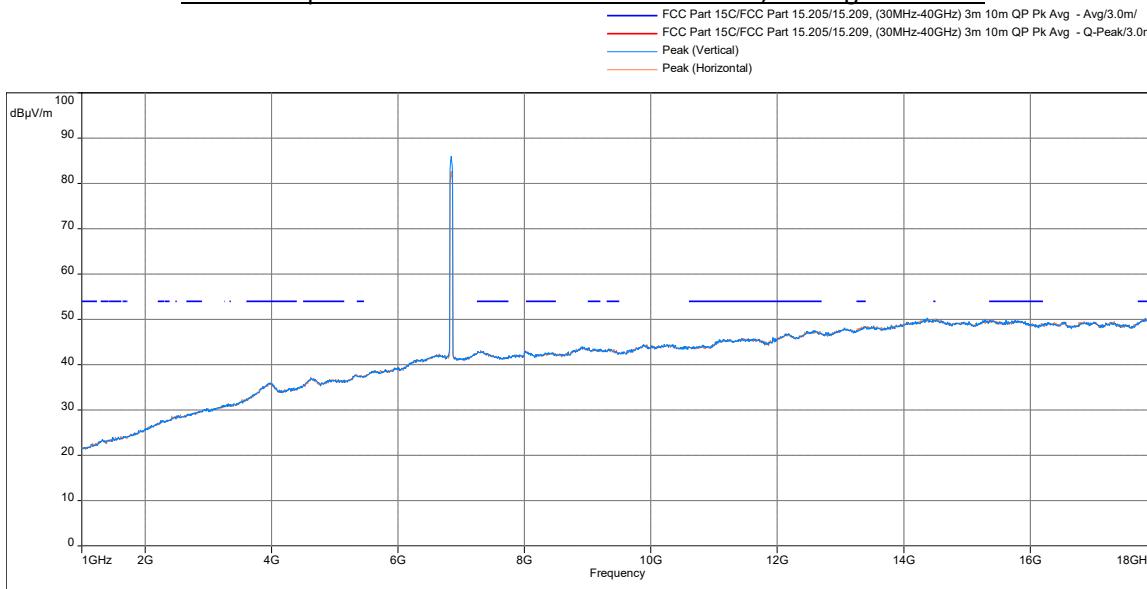


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.844	19.86	40.00	-20.14	317.76	Vertical	-16.81
1000.000	32.02	54.00	-21.98	83.71	Horizontal	0.54
132.820	19.68	43.50	-23.82	175.85	Vertical	-15.09
612.129	22.04	46.00	-23.96	265.91	Horizontal	-6.24
609.122	21.52	46.00	-24.48	180.06	Vertical	-6.36
130.072	18.59	43.50	-24.91	166.24	Vertical	-15.47

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

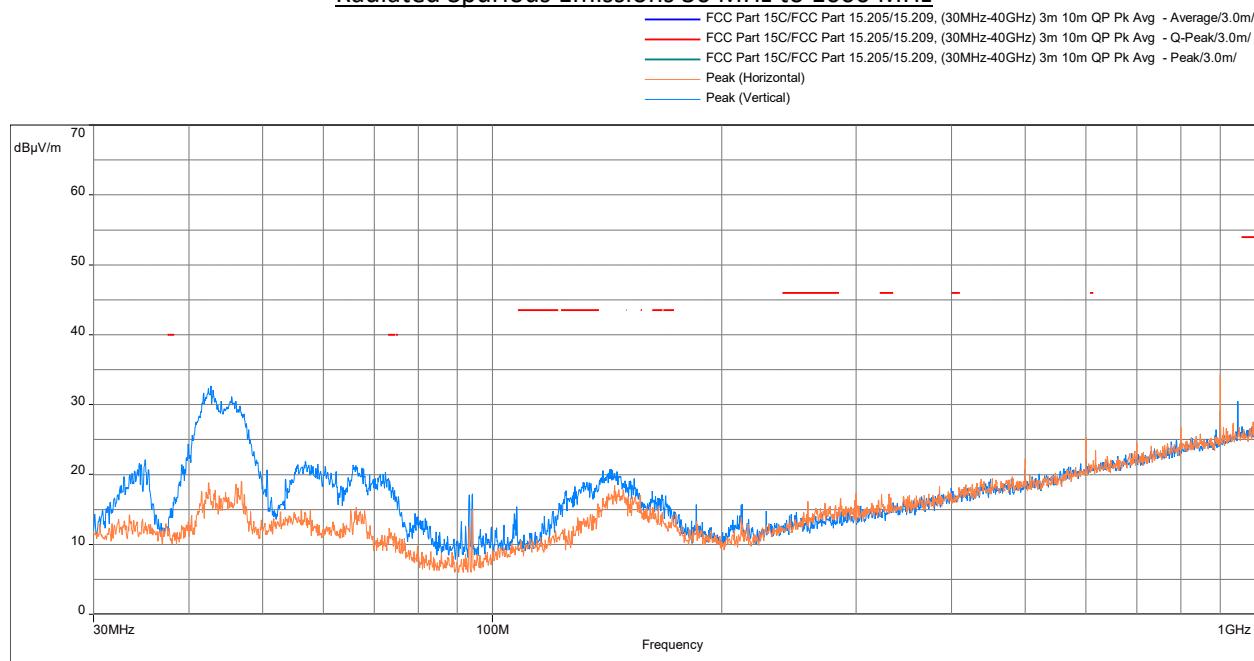


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17934.267	Peak	68.90	74.00	-5.10	52.82	Horizontal	49.21
15753.733	Peak	68.32	74.00	-5.68	55.26	Vertical	48.79
17798.267	Peak	68.26	74.00	-5.74	89.03	Horizontal	48.83
17999.433	Average	50.65	54.00	-3.35	215.75	Vertical	49.39
17882.700	Average	50.30	54.00	-3.70	26.39	Horizontal	49.07
14497.433	Average	50.14	54.00	-3.86	291.57	Horizontal	48.71

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

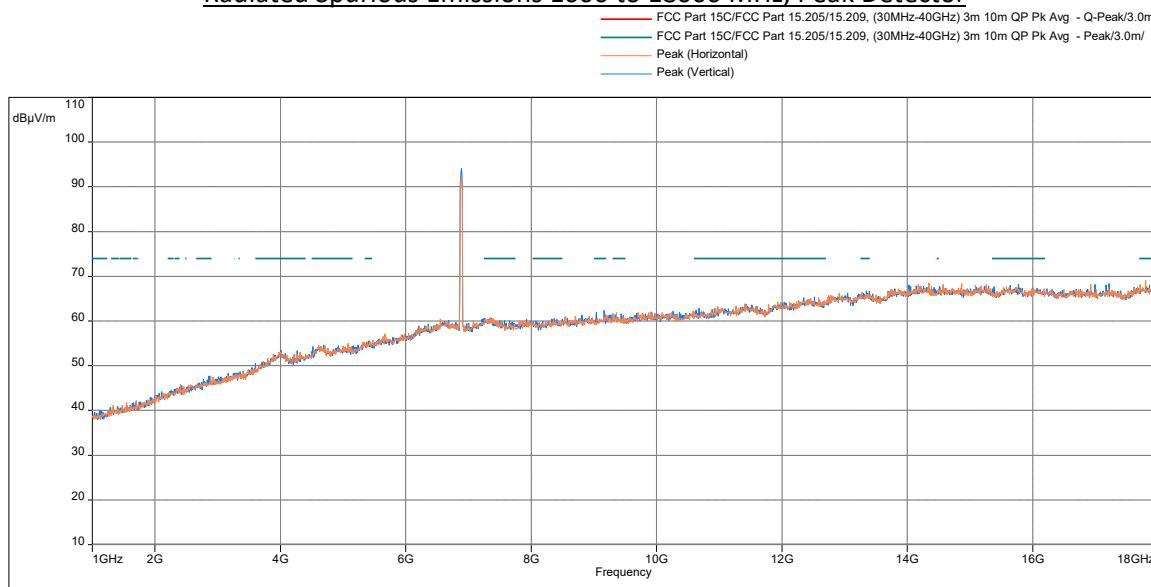
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (40MHz), 6885MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

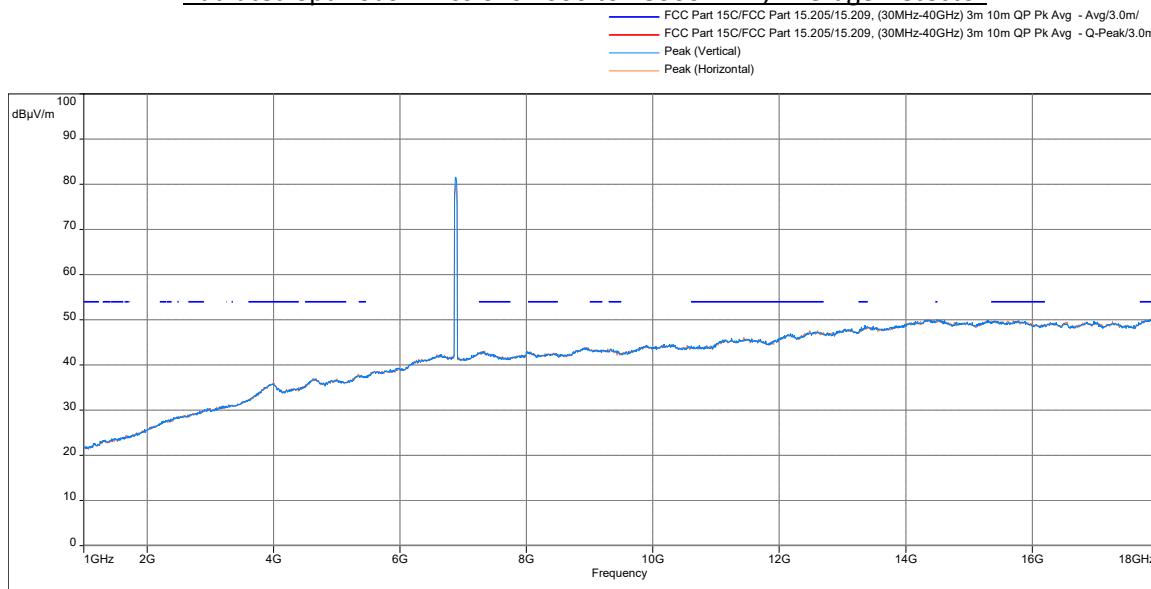


Freq. (MHz)	QPeak@ 3m (dB μ V/m)	Lim. QPeak @3m (dB μ V/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	34.91	54.00	-19.09	301.00	Horizontal	0.54
73.165	16.66	40.00	-23.34	207.18	Horizontal	-16.62
137.702	19.63	43.50	-23.87	146.41	Vertical	-14.48
129.522	19.03	43.50	-24.47	111.13	Vertical	-15.53
164.507	18.81	43.50	-24.69	131.57	Vertical	-13.25
164.119	18.57	43.50	-24.93	123.15	Vertical	-13.25

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

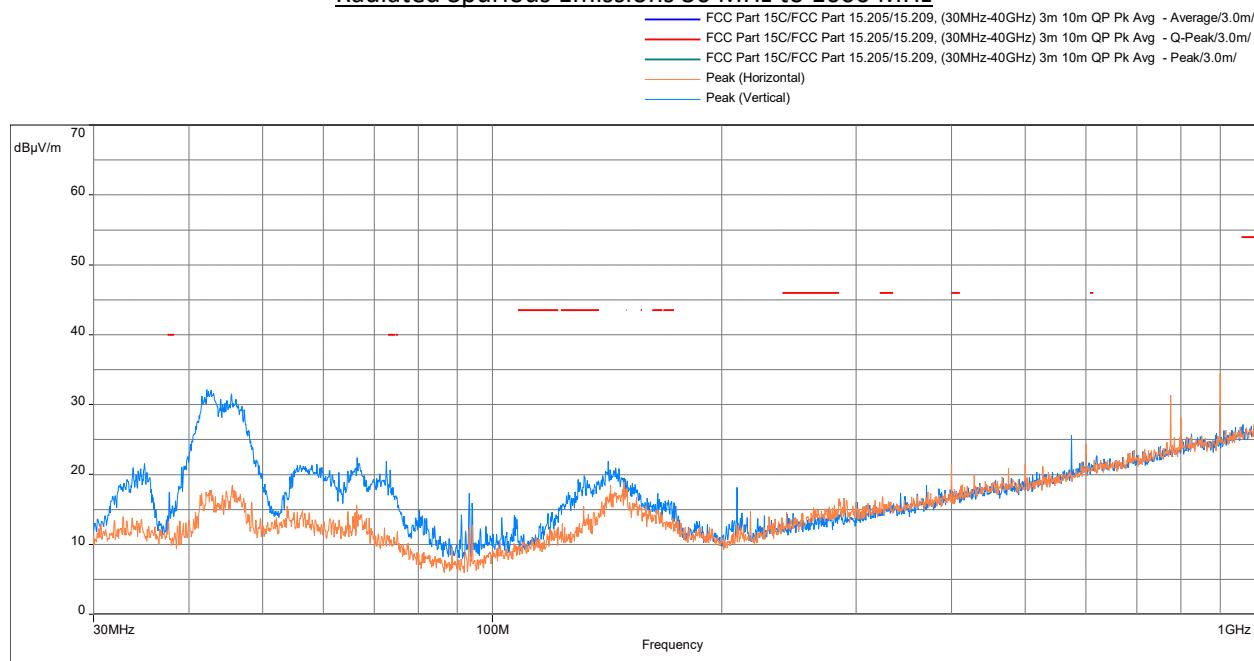


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17802.233	Peak	69.17	74.00	-4.83	65.56	Horizontal	48.84
17985.267	Peak	68.96	74.00	-5.04	4.90	Horizontal	49.35
15771.867	Peak	68.32	74.00	-5.68	34.16	Vertical	48.79
17959.200	Average	50.31	54.00	-3.69	94.71	Vertical	49.28
17994.333	Average	50.31	54.00	-3.69	145.84	Horizontal	49.38

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

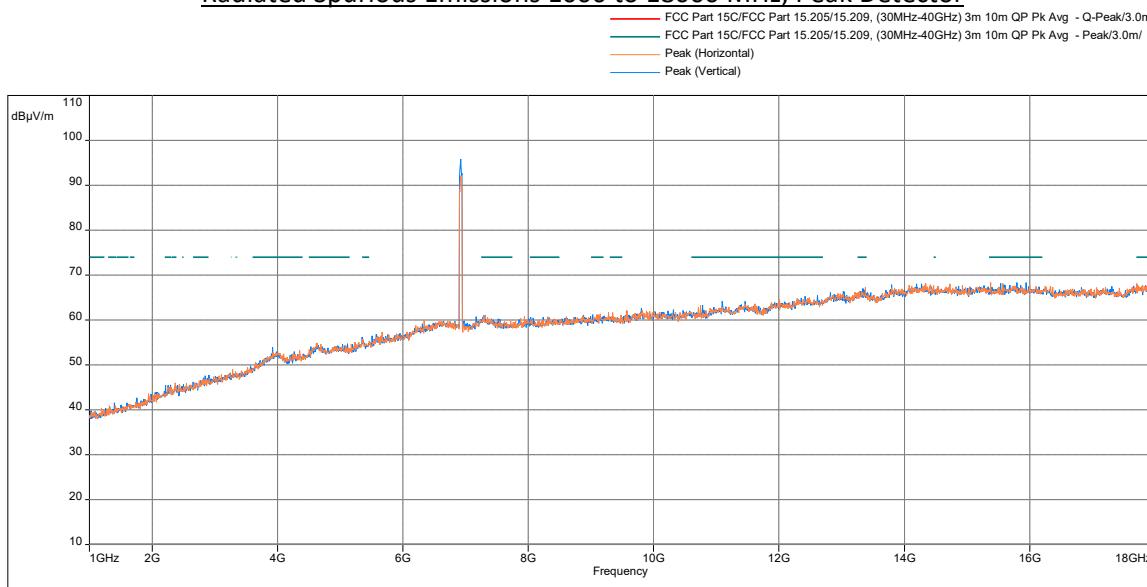
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (40MHz), 6925MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

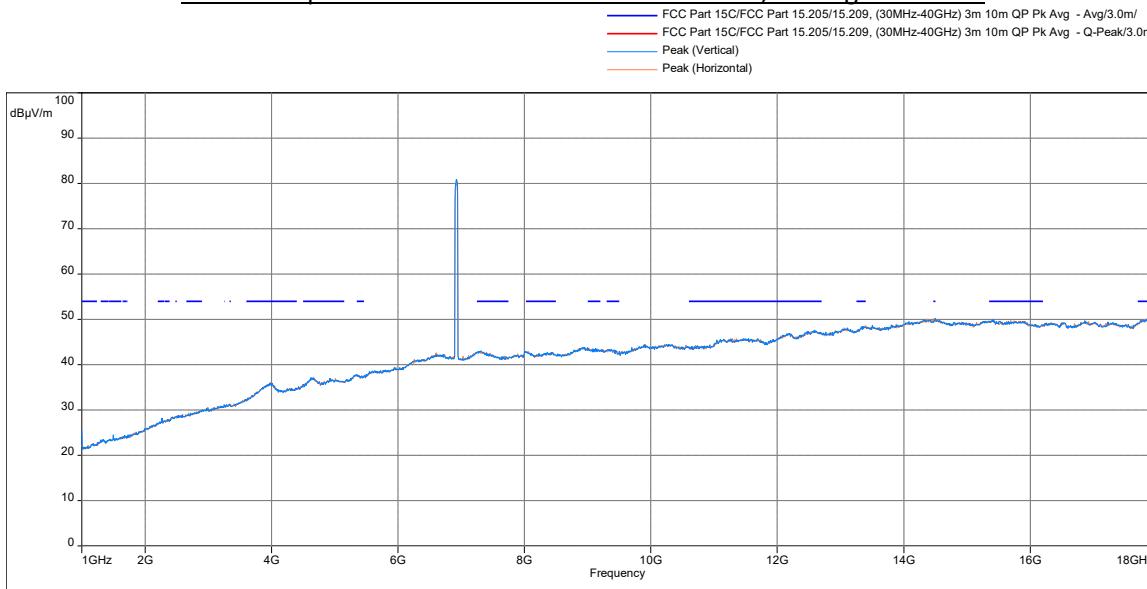


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.456	20.62	40.00	-19.38	224.56	Vertical	-16.70
1000.000	33.80	54.00	-20.20	301.98	Horizontal	0.54
37.728	17.50	40.00	-22.50	135.56	Vertical	-14.10
132.044	19.86	43.50	-23.64	175.85	Vertical	-15.17
129.619	19.28	43.50	-24.22	170.45	Vertical	-15.52
399.990	21.45	46.00	-24.55	95.16	Horizontal	-10.45

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

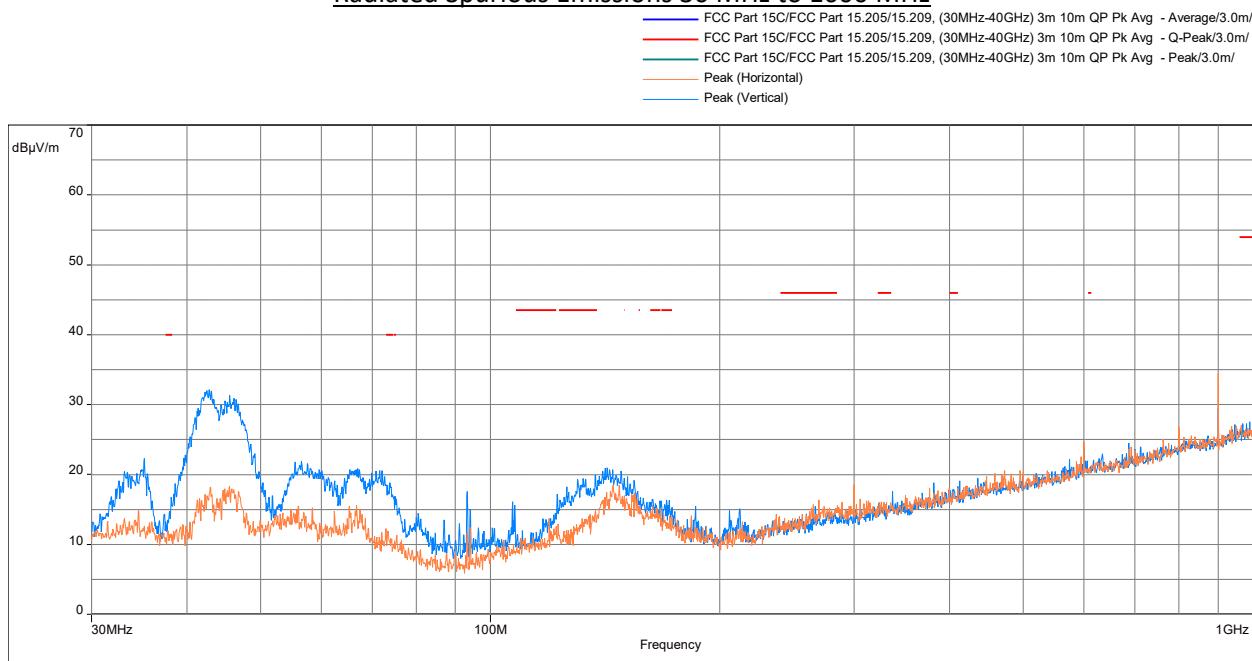


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dB μ V/m)	PK/AV Limit dB(μ V/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
15376.333	Peak	68.34	74.00	-5.66	203.65	Horizontal	48.55
15944.133	Peak	68.32	74.00	-5.68	292.06	Vertical	48.73
15798.500	Peak	68.30	74.00	-5.70	191.77	Vertical	48.81
17988.100	Average	50.69	54.00	-3.31	27.18	Horizontal	49.36
17880.433	Average	50.47	54.00	-3.53	332.02	Vertical	49.07
14478.733	Average	50.18	54.00	-3.82	53.46	Horizontal	48.69

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

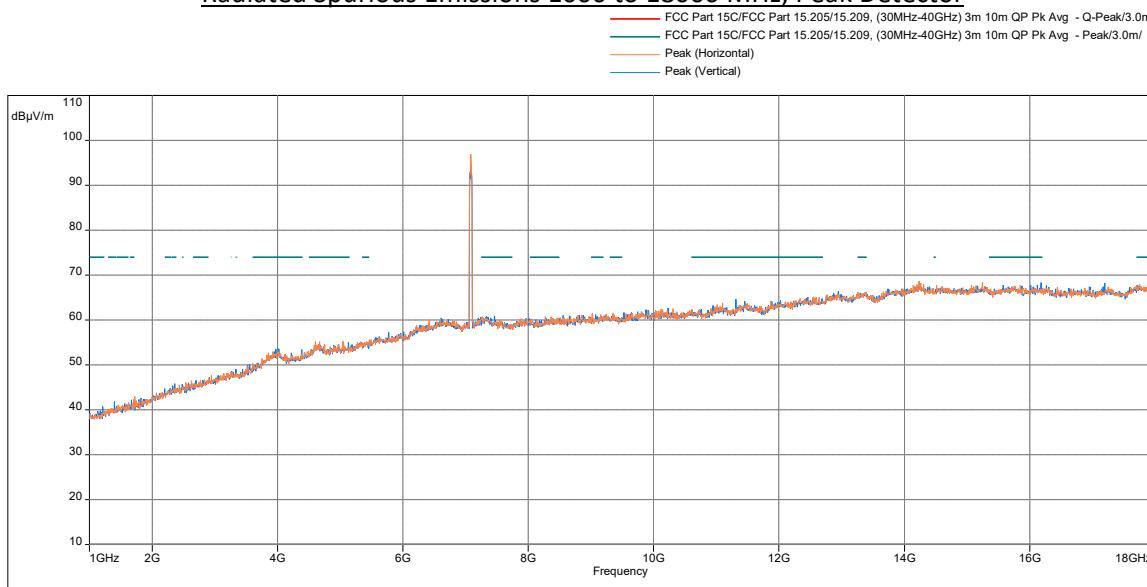
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (40MHz), 7085MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

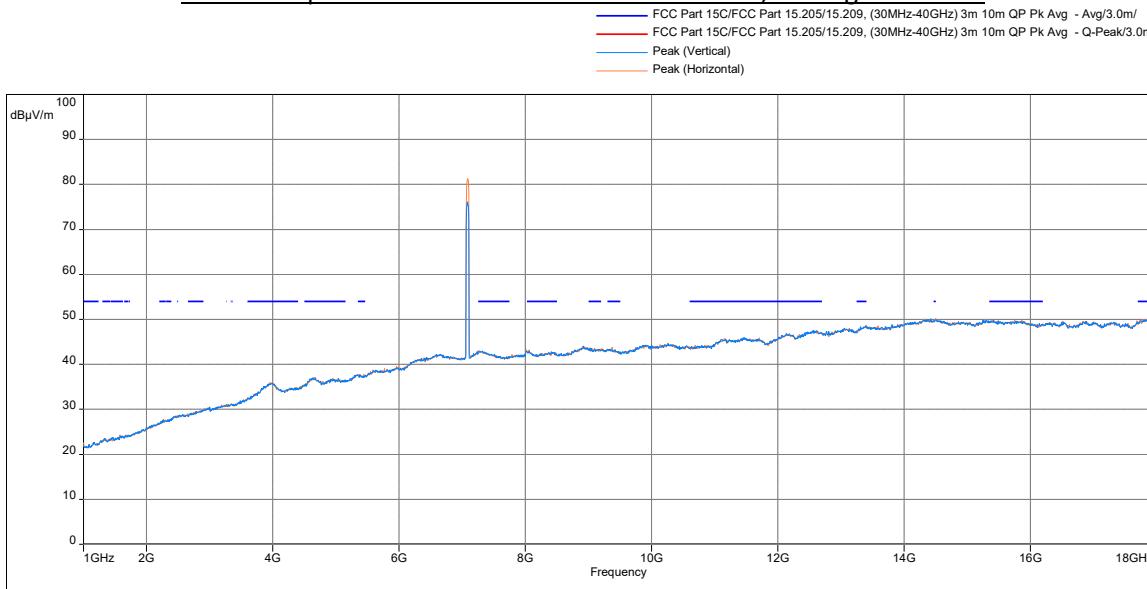


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	32.53	54.00	-21.47	66.86	Horizontal	0.54
137.314	19.92	43.50	-23.58	160.83	Vertical	-14.52
132.400	19.44	43.50	-24.06	166.23	Vertical	-15.13
130.201	19.29	43.50	-24.21	188.48	Vertical	-15.46
125.965	18.21	43.50	-25.29	170.45	Vertical	-15.90
126.709	17.49	43.50	-26.01	143.99	Vertical	-15.82

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector



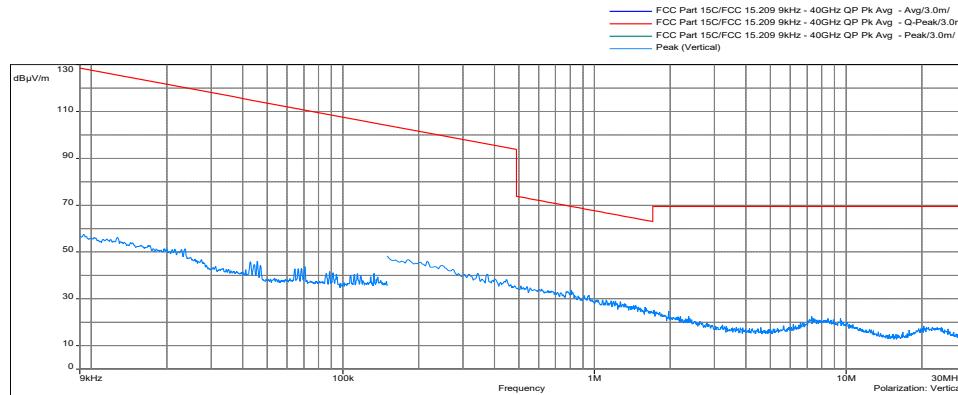
Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17992.633	Peak	68.79	74.00	-5.21	0.00	Vertical	49.37
16177.600	Peak	68.34	74.00	-5.66	309.56	Vertical	48.59
17748.967	Peak	68.00	74.00	-6.00	276.09	Horizontal	48.72
17993.767	Average	50.47	54.00	-3.53	94.71	Vertical	49.37
17888.933	Average	50.42	54.00	-3.58	145.84	Horizontal	49.09
14499.700	Average	50.19	54.00	-3.81	291.56	Horizontal	48.71

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

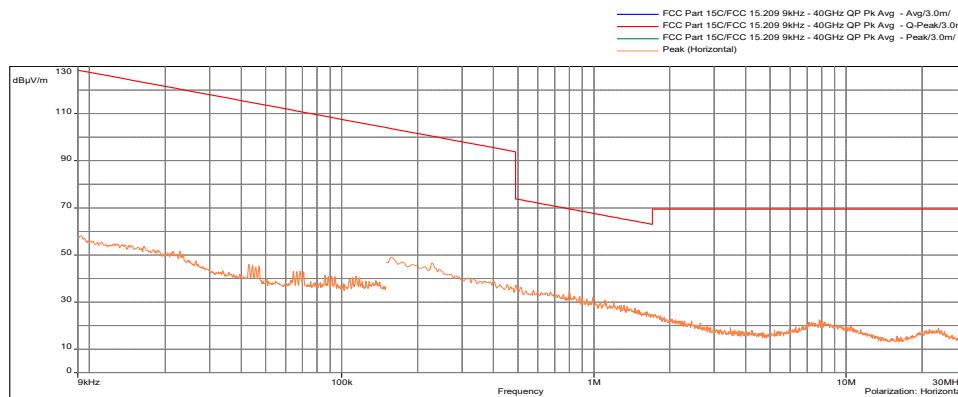
Test Results: 15.209 Radiated Spurious Emissions
Worsts Case Tx at 802.11ax (80MHz), 5985MHz

Radiated Spurious Emissions 9 kHz to 30 MHz

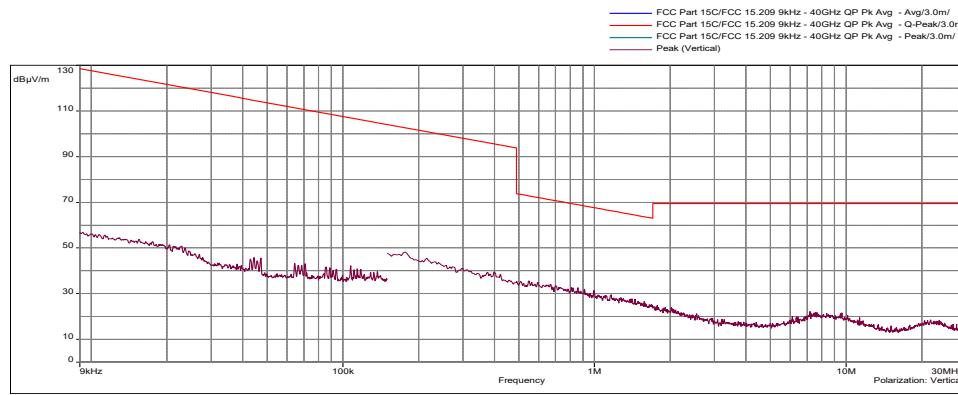
Antenna Position -
Coaxial



Antenna Position -
Coplanar

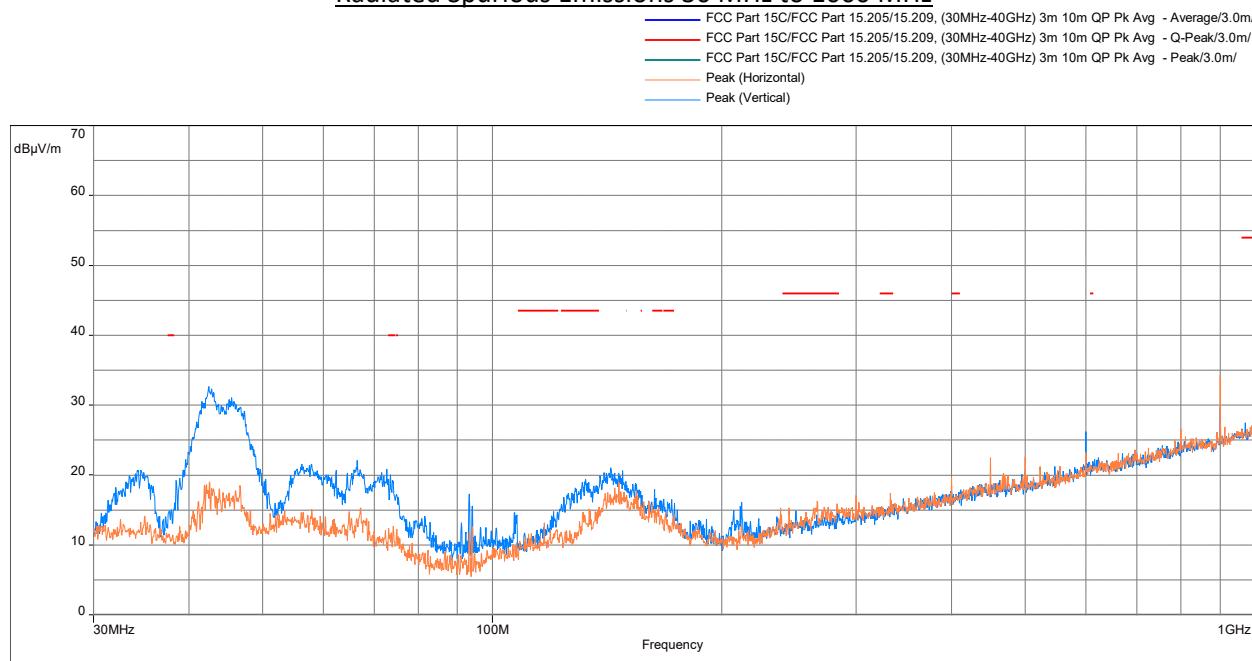


Antenna Position -
Horizontal



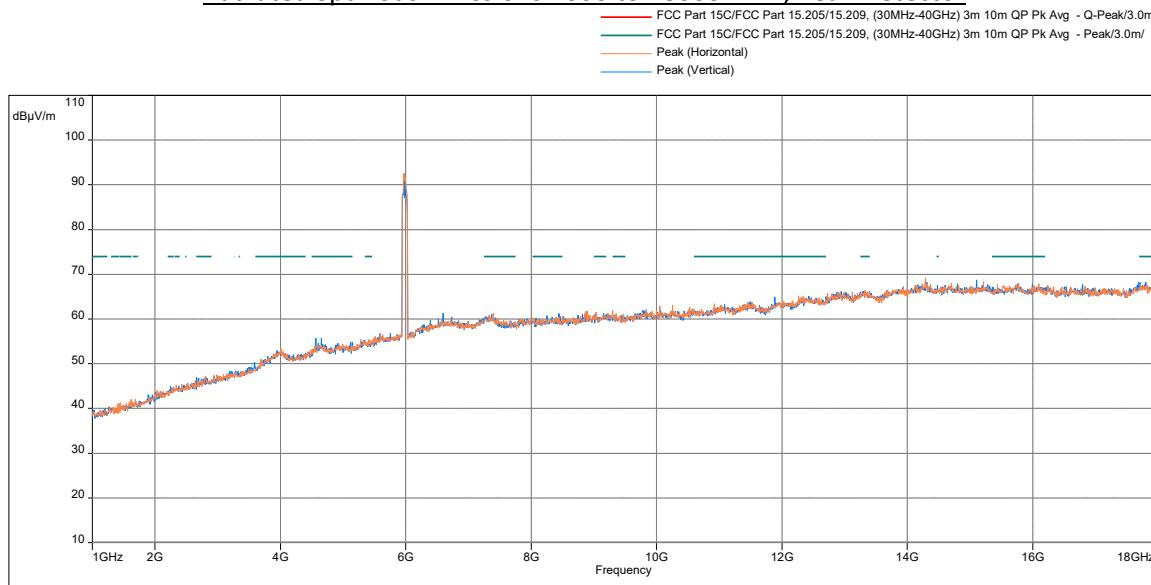
Model: , Client: , Comments: , Test Date: 12/18/2024 02:38

Radiated Spurious Emissions 30 MHz to 1000 MHz

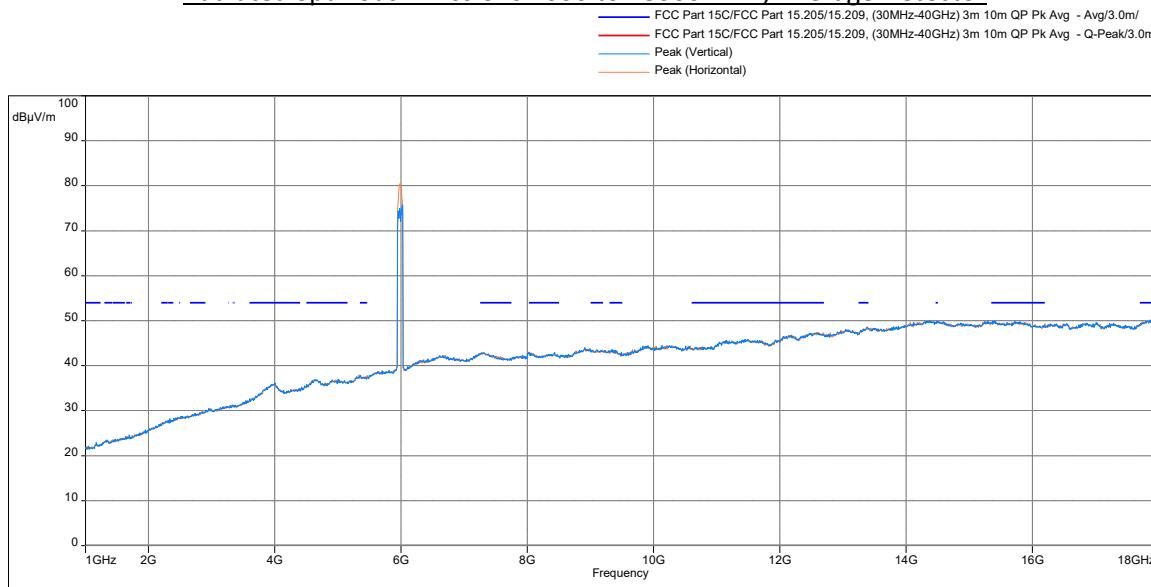


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.488	20.00	40.00	-20.00	245.61	Vertical	-16.71
1000.000	30.58	54.00	-23.42	47.64	Horizontal	0.54
612.970	21.95	46.00	-24.05	237.19	Vertical	-6.15
132.497	19.44	43.50	-24.06	138.59	Vertical	-15.12
609.058	21.43	46.00	-24.57	172.71	Horizontal	-6.36
610.189	21.39	46.00	-24.61	81.45	Vertical	-6.34

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

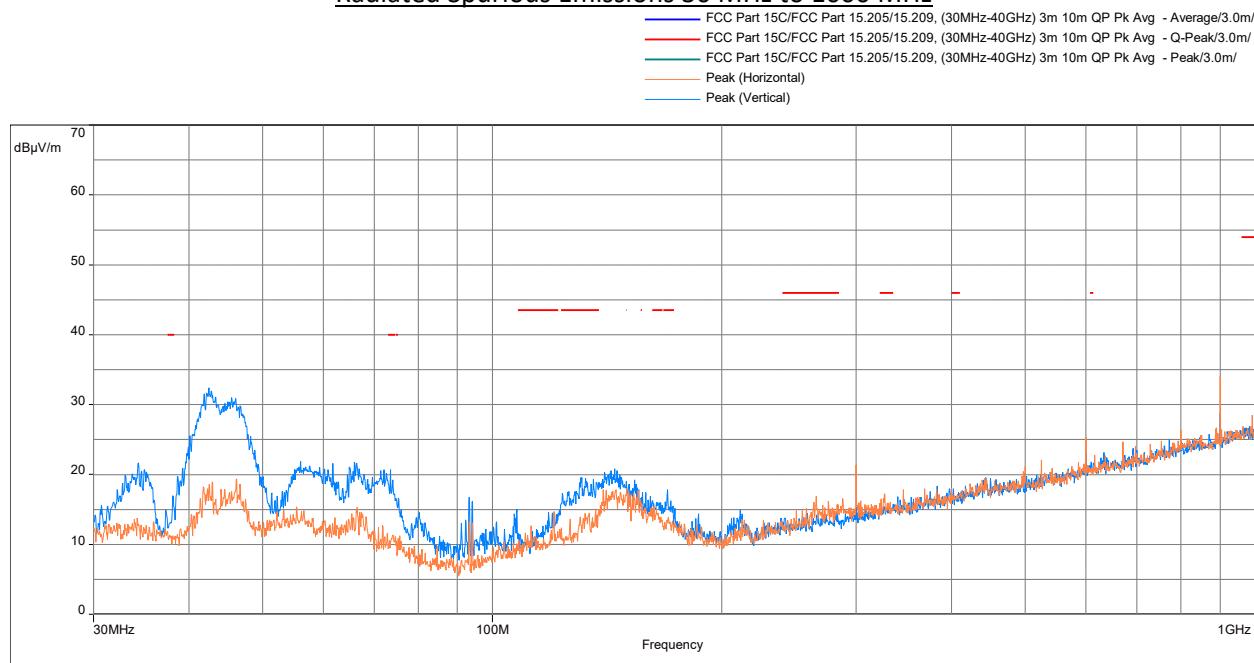


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17927.467	Peak	68.30	74.00	-5.70	159.88	Vertical	49.20
17815.833	Peak	68.06	74.00	-5.94	350.45	Horizontal	48.87
15775.833	Peak	67.96	74.00	-6.04	149.58	Horizontal	48.80
17997.733	Average	50.46	54.00	-3.54	93.92	Horizontal	49.39
17997.733	Average	50.27	54.00	-3.73	150.23	Vertical	49.39
14487.233	Average	50.08	54.00	-3.92	304.95	Horizontal	48.70

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

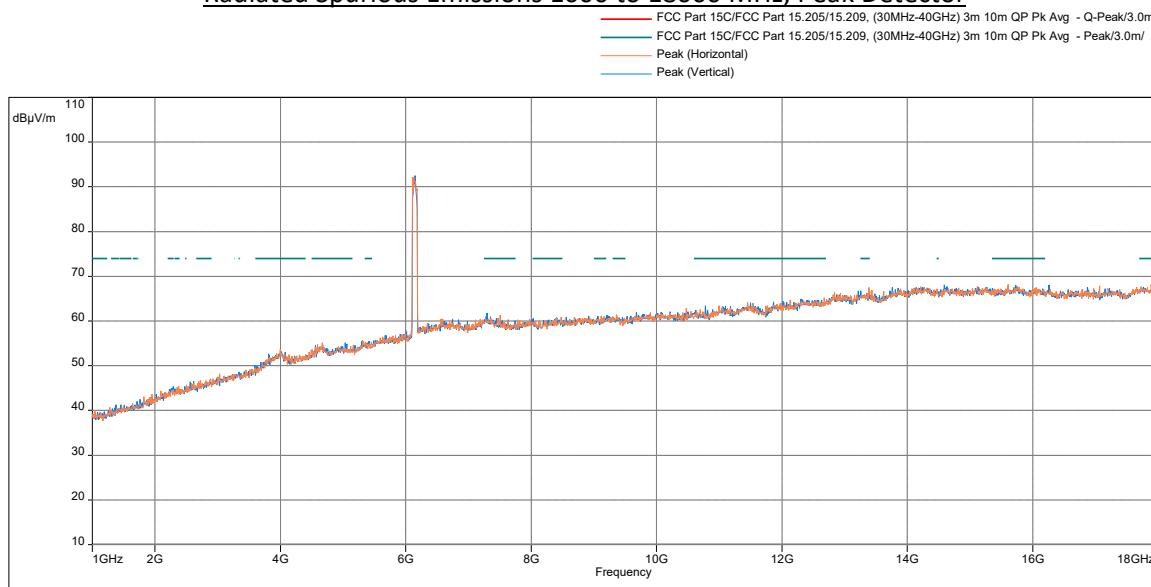
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (80MHz), 6145MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

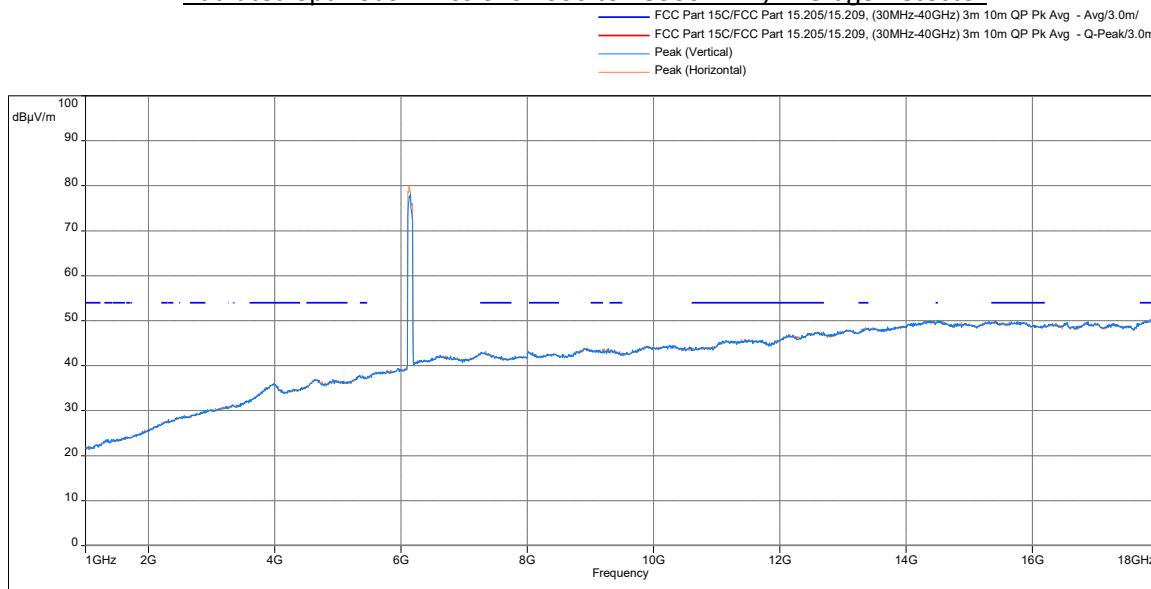


Freq. (MHz)	QPeak@ 3m (dB μ V/m)	Lim. QPeak @3m (dB μ V/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.521	20.67	40.00	-19.33	206.52	Vertical	-16.72
1000.000	32.00	54.00	-22.00	54.88	Horizontal	0.54
38.116	16.98	40.00	-23.02	103.70	Vertical	-14.08
131.042	19.54	43.50	-23.96	157.81	Vertical	-15.36
132.561	19.41	43.50	-24.09	148.20	Vertical	-15.12
135.665	19.28	43.50	-24.22	328.01	Vertical	-14.73

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

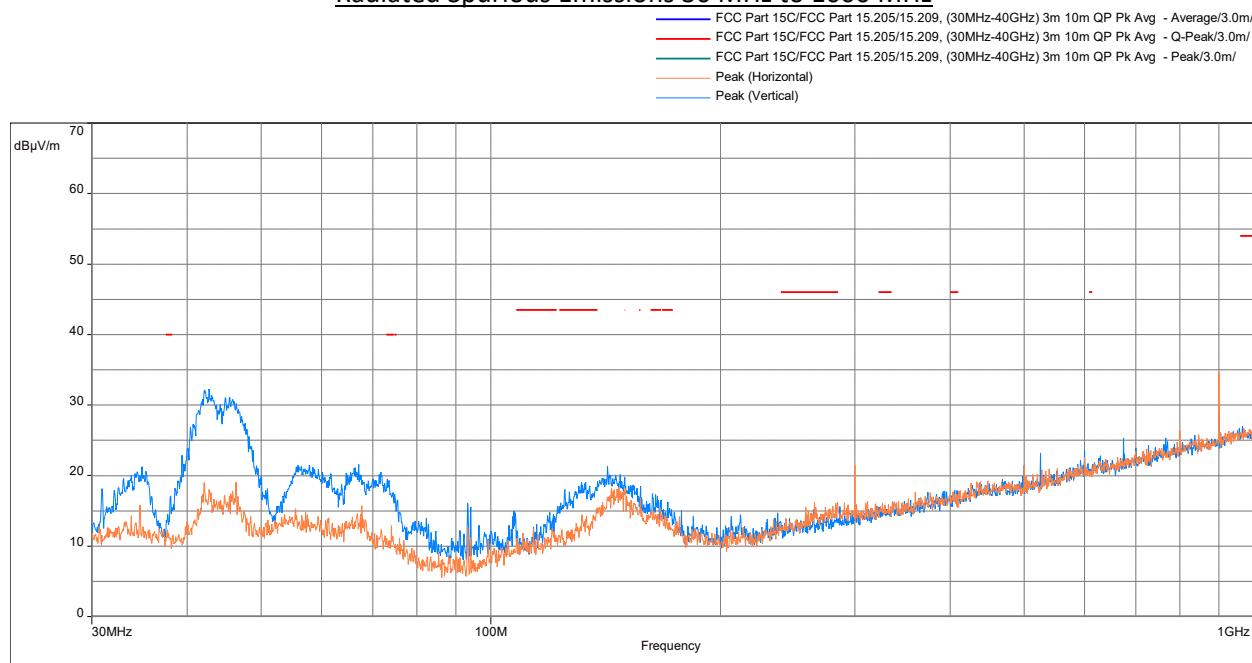


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17890.067	Peak	68.16	74.00	-5.84	0.00	Horizontal	49.10
15610.933	Peak	68.13	74.00	-5.87	149.58	Horizontal	48.64
15730.500	Peak	68.02	74.00	-5.98	60.37	Vertical	48.78
17997.733	Average	50.45	54.00	-3.55	93.92	Horizontal	49.39
17993.767	Average	50.40	54.00	-3.60	266.87	Vertical	49.37
3977.267	Average	36.17	54.00	-17.83	353.19	Horizontal	34.36

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (80MHz), 6385MHz

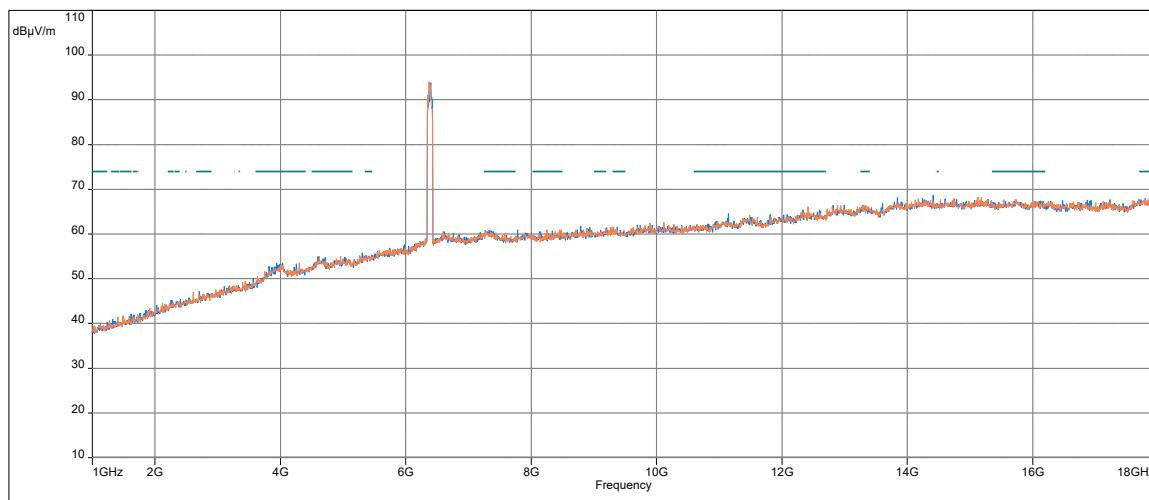
Radiated Spurious Emissions 30 MHz to 1000 MHz



Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
38.019	17.11	40.00	-22.89	170.45	Vertical	-14.09
133.208	19.04	43.50	-24.46	160.83	Vertical	-15.05
1000.000	29.21	54.00	-24.79	322.84	Horizontal	0.54
124.963	18.02	43.50	-25.48	160.83	Vertical	-15.91
126.774	17.73	43.50	-25.77	142.80	Vertical	-15.82
162.922	17.42	43.50	-26.08	116.34	Vertical	-13.26

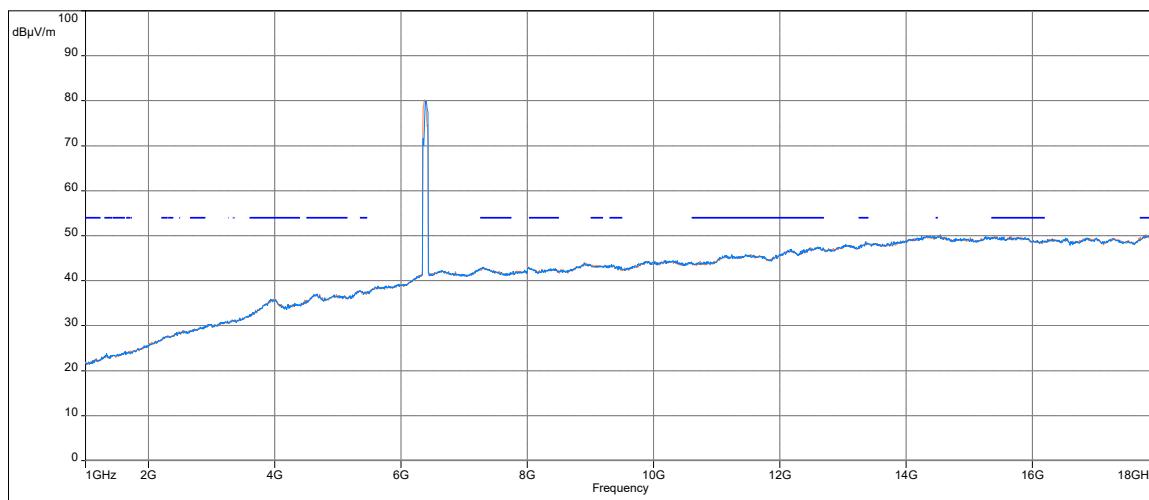
Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector

——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m
 ——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Peak/3.0m/
 ——— Peak (Horizontal)
 ——— Peak (Vertical)



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Avg/3.0m/
 ——— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m/
 ——— Peak (Vertical)
 ——— Peak (Horizontal)

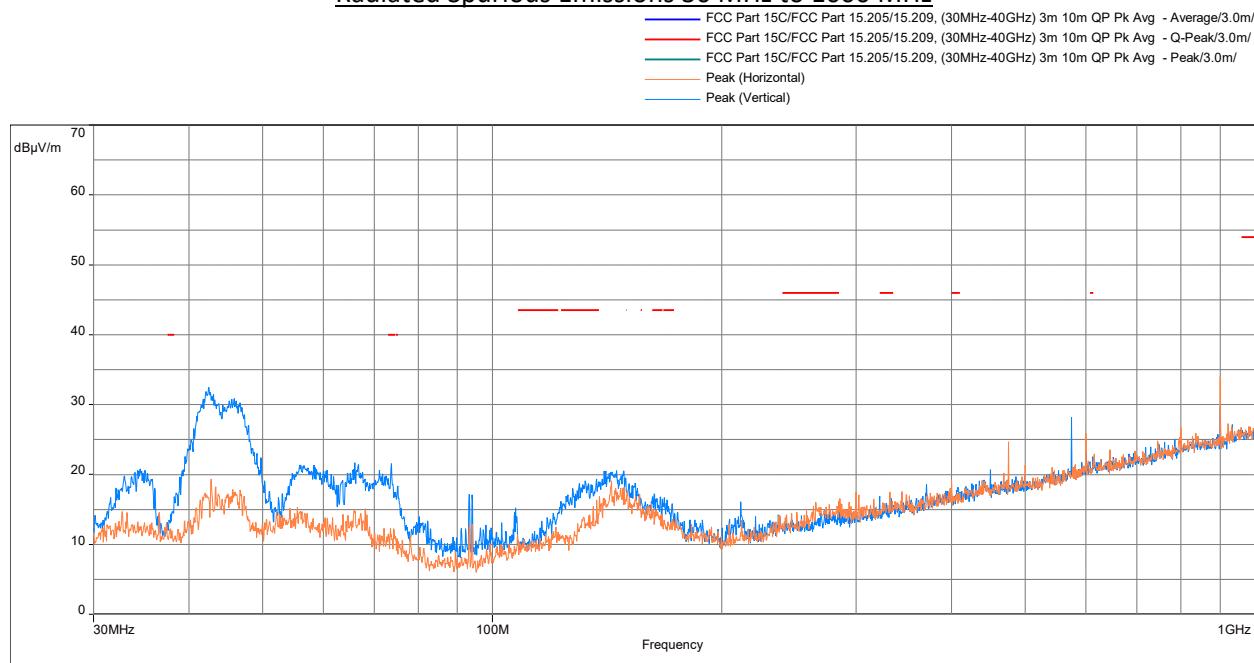


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17994.333	Peak	68.71	74.00	-5.29	112.57	Horizontal	49.38
17793.733	Peak	68.01	74.00	-5.99	334.19	Vertical	48.82
15733.900	Peak	67.84	74.00	-6.16	12.10	Horizontal	48.78
17871.933	Average	50.47	54.00	-3.53	145.84	Vertical	49.04
17882.133	Average	50.35	54.00	-3.65	96.30	Horizontal	49.07

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

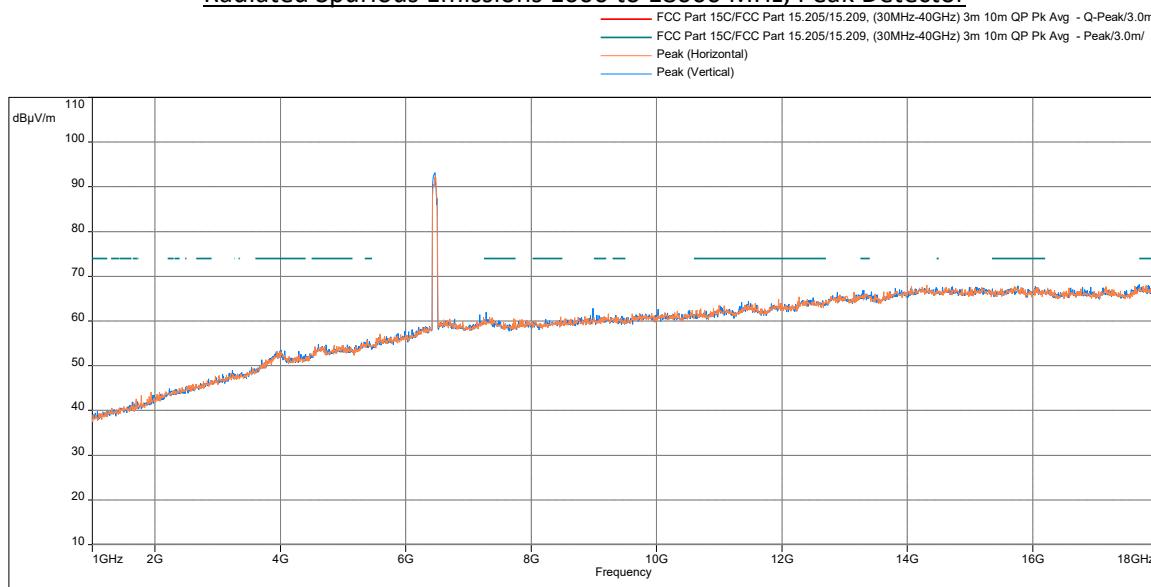
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (80MHz), 6465MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

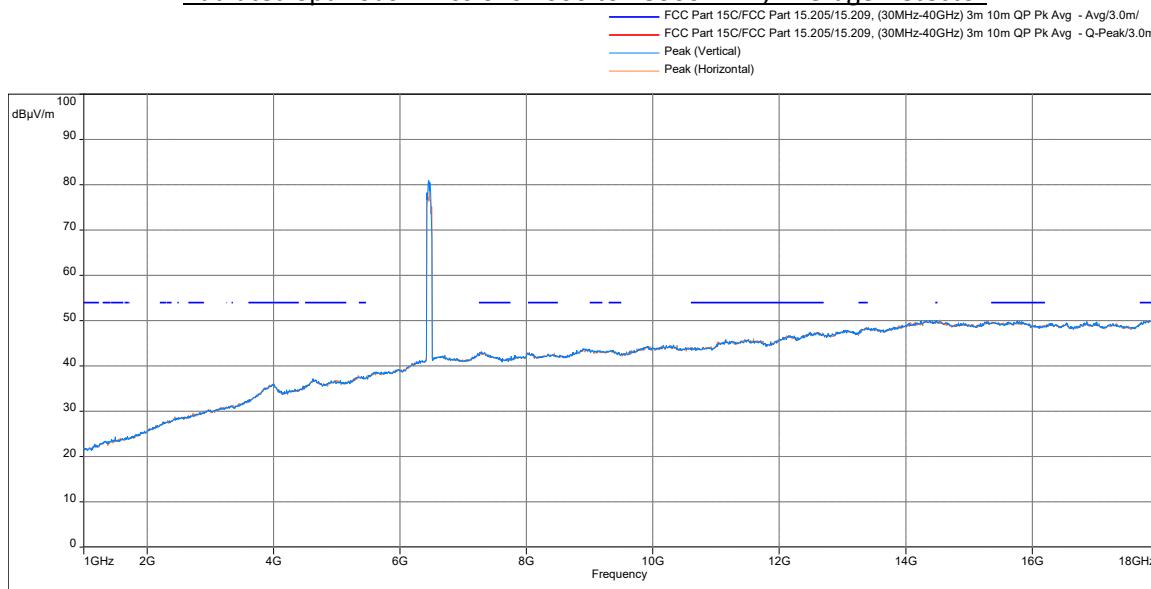


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.747	21.58	40.00	-18.42	309.33	Vertical	-16.78
75.170	18.40	40.00	-21.60	309.33	Vertical	-17.18
613.261	22.58	46.00	-23.42	39.99	Vertical	-6.15
1000.000	29.61	54.00	-24.39	3.45	Vertical	0.54
132.367	19.10	43.50	-24.40	180.06	Vertical	-15.14
134.792	18.57	43.50	-24.93	162.02	Vertical	-14.88

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector



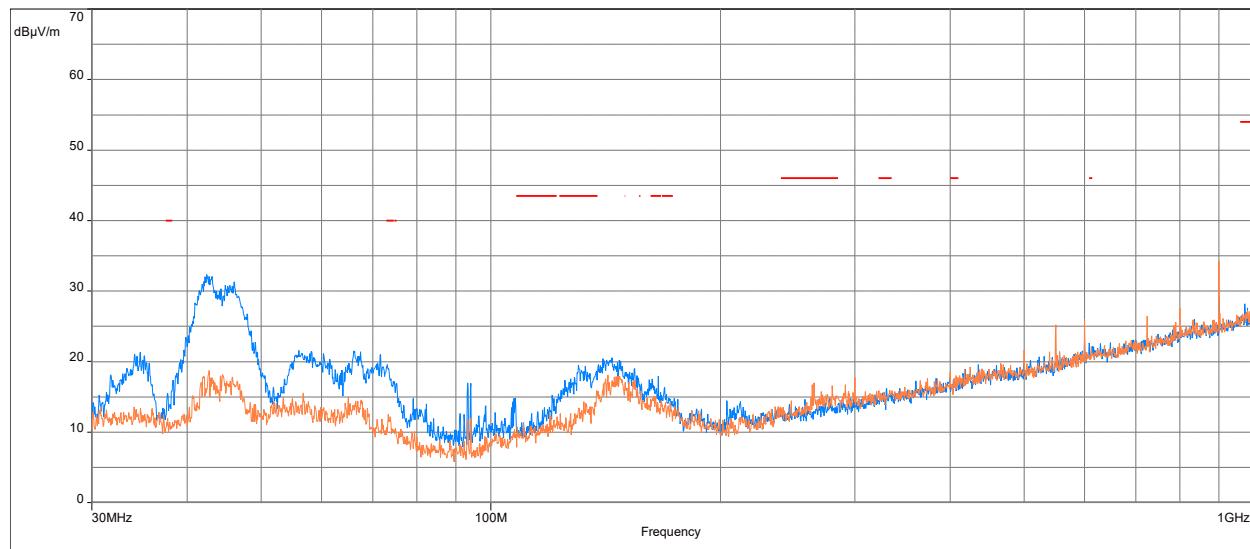
Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17993.200	Peak	69.04	74.00	-4.96	89.82	Vertical	49.37
17810.733	Peak	67.96	74.00	-6.04	221.22	Horizontal	48.86
15767.900	Peak	67.89	74.00	-6.11	327.42	Vertical	48.79
17997.167	Average	50.42	54.00	-3.58	94.71	Horizontal	49.38
17955.233	Average	50.32	54.00	-3.68	24.81	Vertical	49.27
4007.300	Average	36.10	54.00	-17.90	350.81	Horizontal	34.36

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (80MHz), 6545MHz

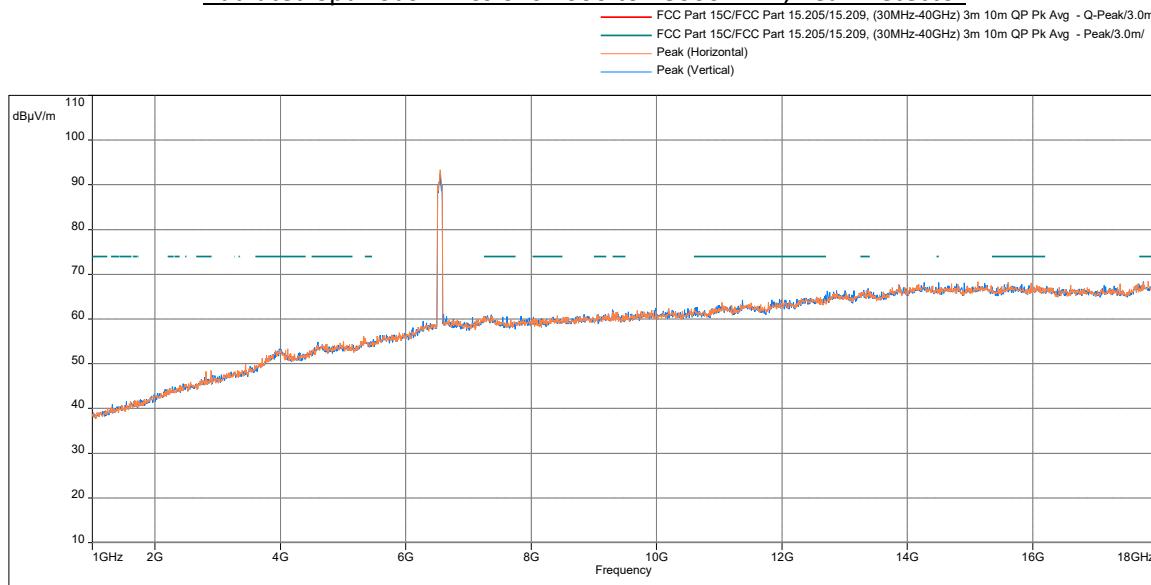
Radiated Spurious Emissions 30 MHz to 1000 MHz

— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Average/3.0m/
— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Q-Peak/3.0m/
— FCC Part 15C/FCC Part 15.205/15.209, (30MHz-40GHz) 3m 10m QP Pk Avg - Peak/3.0m/
— Peak (Horizontal)
— Peak (Vertical)

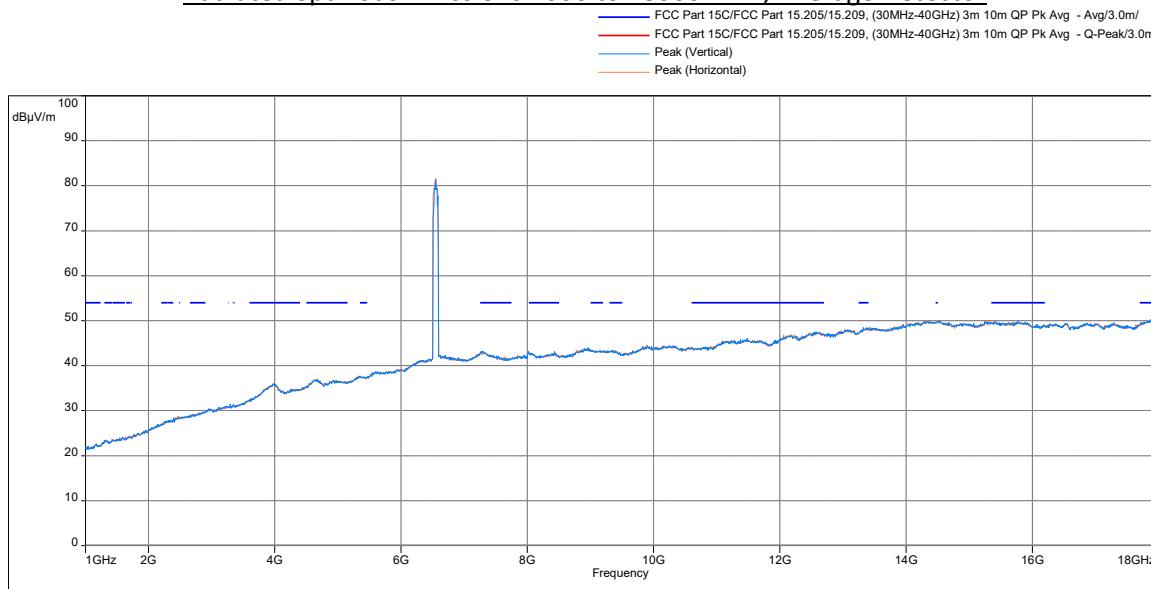


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	32.53	54.00	-21.47	54.88	Horizontal	0.54
608.637	22.61	46.00	-23.39	241.40	Vertical	-6.40
612.388	22.12	46.00	-23.88	118.60	Horizontal	-6.21
130.298	19.54	43.50	-23.96	169.26	Vertical	-15.45
132.982	19.35	43.50	-24.15	174.66	Vertical	-15.07
165.800	17.95	43.50	-25.55	130.16	Vertical	-13.41

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

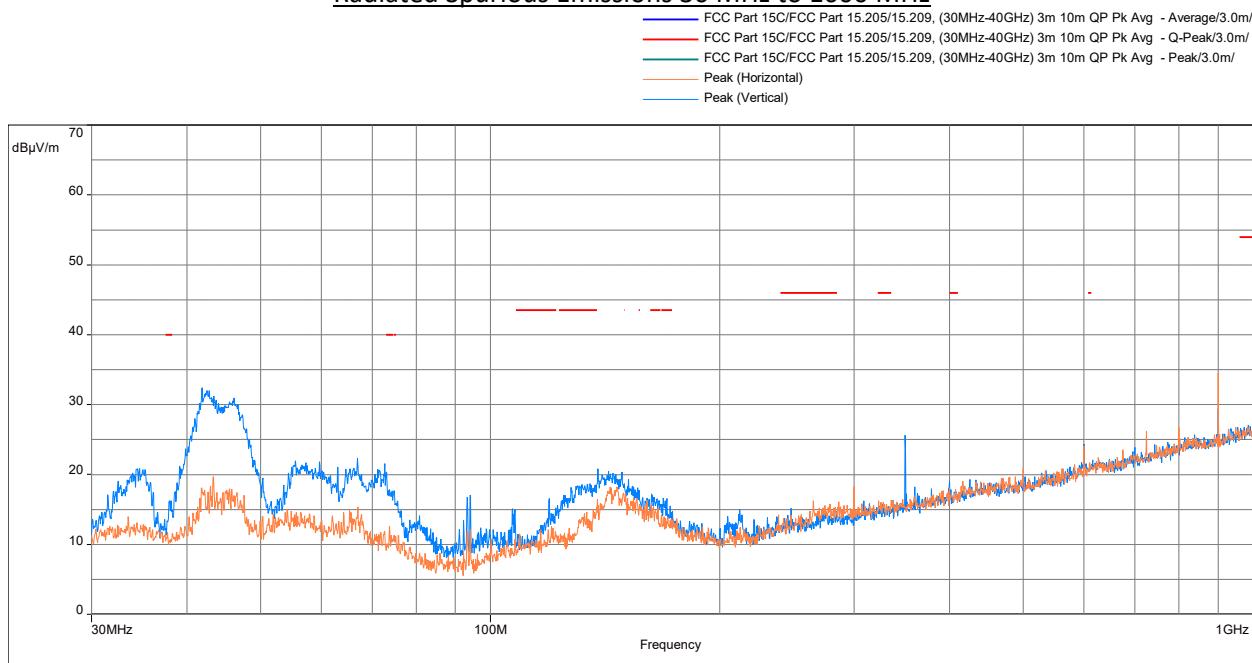


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17845.867	Peak	68.45	74.00	-5.55	359.98	Horizontal	48.96
17772.200	Peak	68.39	74.00	-5.61	283.65	Vertical	48.77
15606.400	Peak	68.32	74.00	-5.68	328.28	Horizontal	48.63
17989.800	Average	50.41	54.00	-3.59	147.42	Vertical	49.36
17995.467	Average	50.41	54.00	-3.59	215.75	Horizontal	49.38
3980.667	Average	36.05	54.00	-17.95	127.91	Vertical	34.36

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

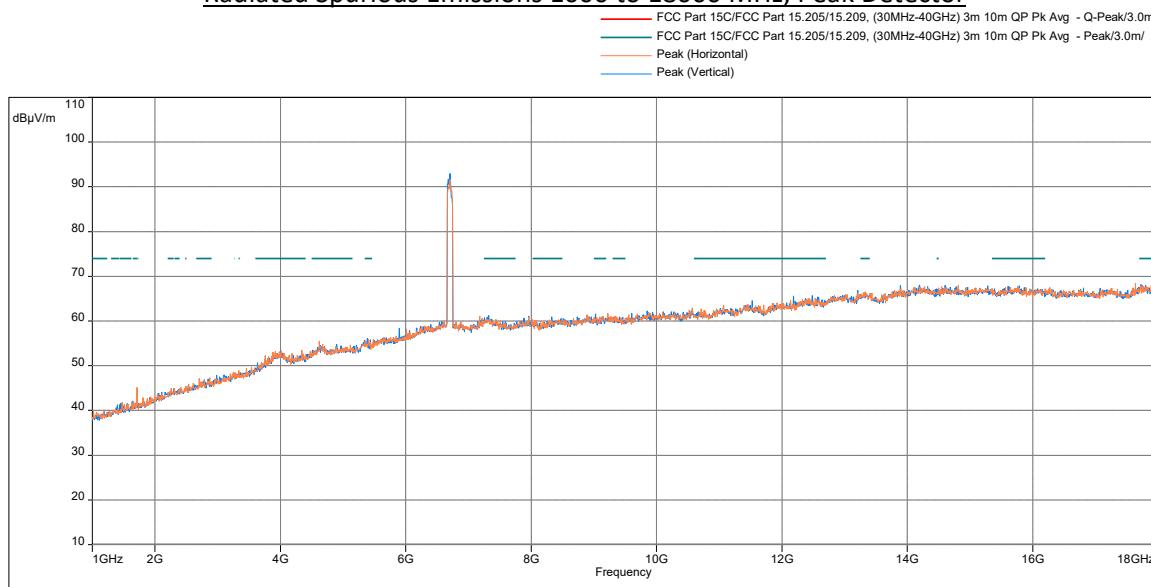
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (80MHz), 6705MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

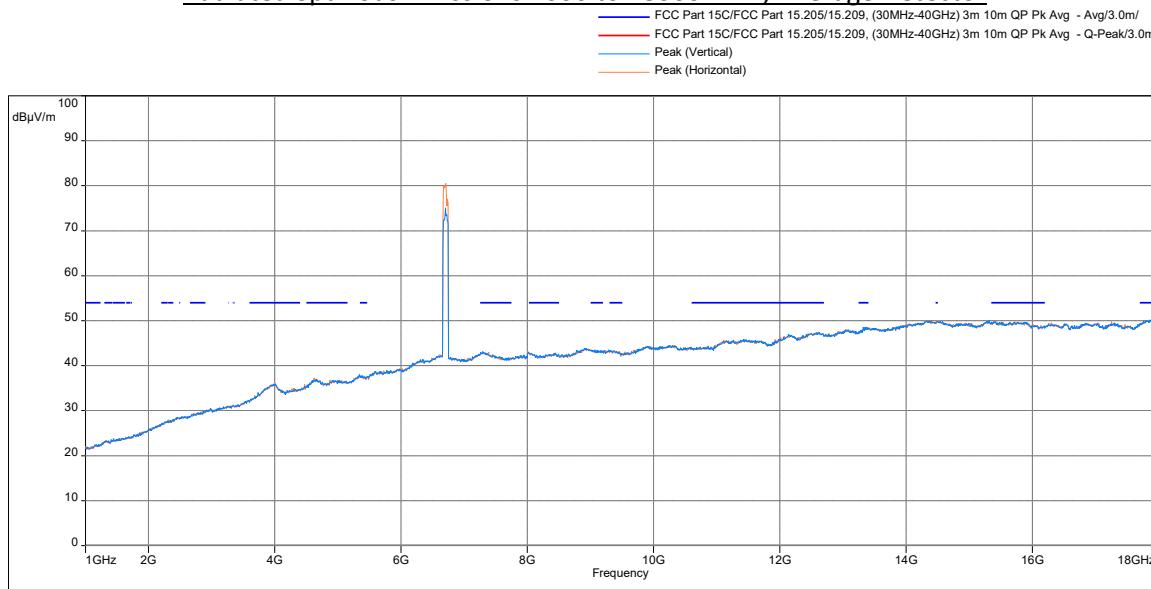


Freq. (MHz)	QPeak@ 3m (dB μ V/m)	Lim. QPeak @3m (dB μ V/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	31.77	54.00	-22.23	79.50	Horizontal	0.54
610.804	21.69	46.00	-24.31	7.25	Horizontal	-6.28
613.584	21.41	46.00	-24.59	186.11	Vertical	-6.15
135.213	18.69	43.50	-24.81	155.43	Vertical	-14.82
133.919	18.62	43.50	-24.88	138.59	Vertical	-14.97
131.882	18.58	43.50	-24.92	315.38	Vertical	-15.20

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

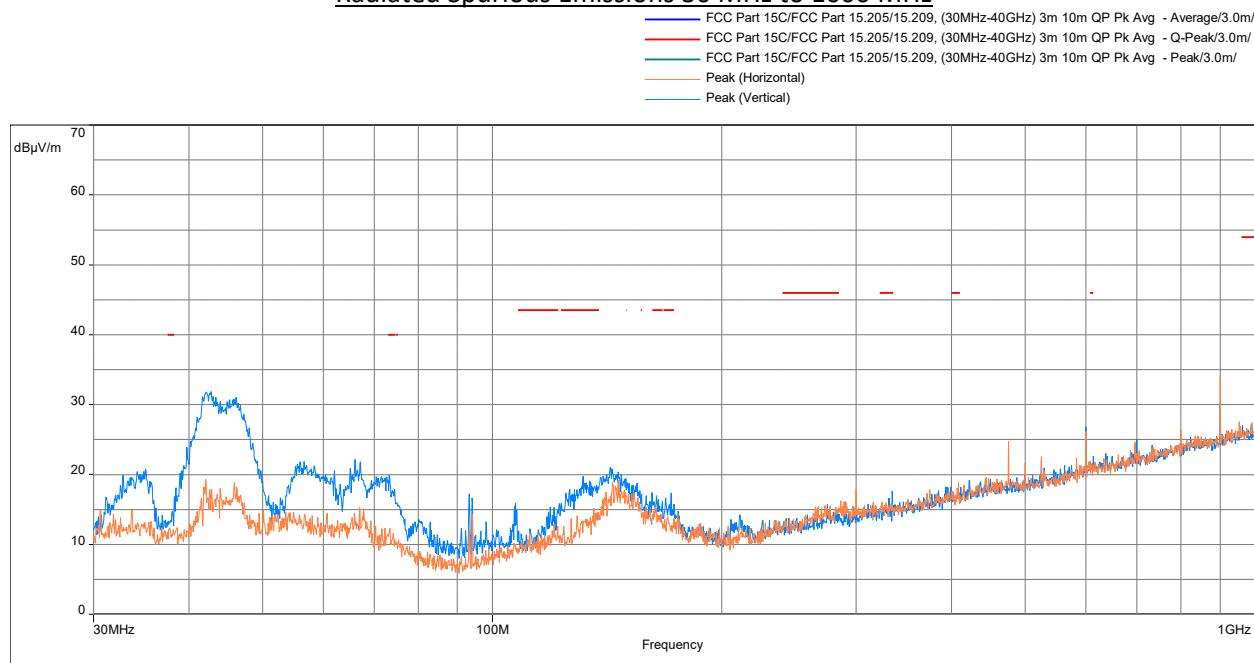


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17966.567	Peak	68.34	74.00	-5.66	153.11	Vertical	49.30
17894.600	Peak	68.02	74.00	-5.98	6.72	Horizontal	49.11
15784.333	Peak	67.87	74.00	-6.13	181.77	Vertical	48.80
17997.167	Average	50.49	54.00	-3.51	95.50	Horizontal	49.38
17996.600	Average	50.32	54.00	-3.68	149.01	Vertical	49.38
3990.867	Average	36.03	54.00	-17.97	350.81	Horizontal	34.36

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

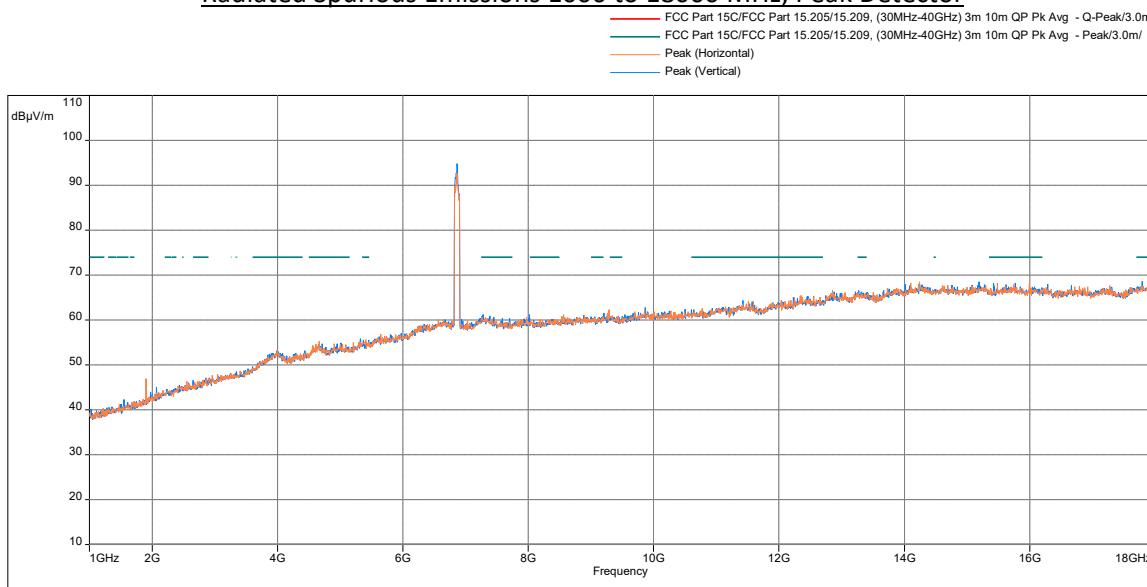
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (80MHz), 6865MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

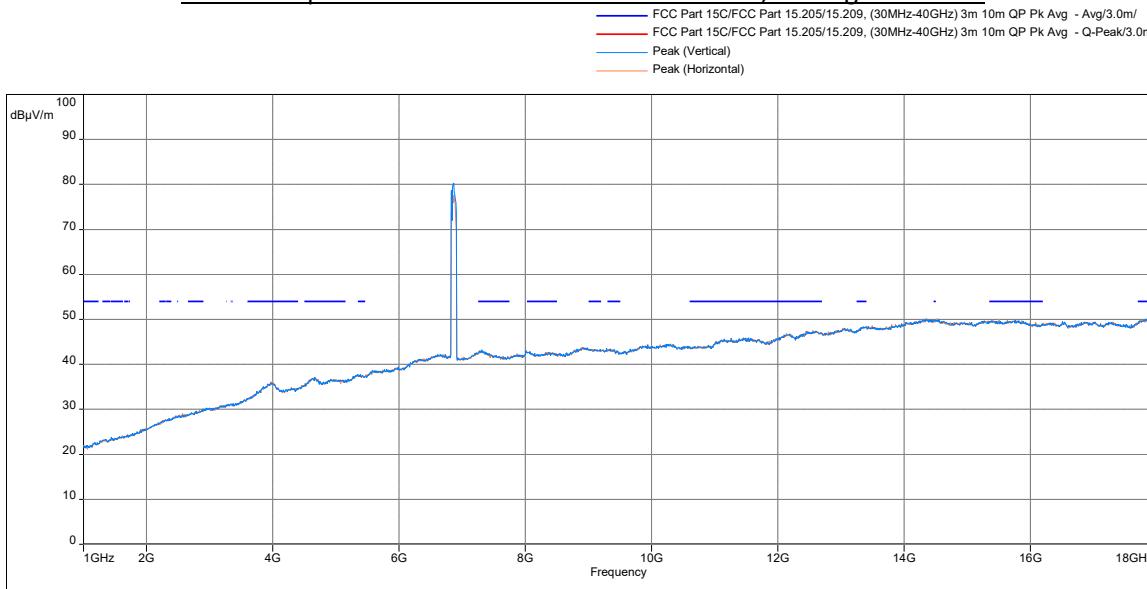


Freq. (MHz)	QPeak@ 3m (dB μ V/m)	Lim. QPeak @3m (dB μ V/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.262	19.95	40.00	-20.05	264.84	Vertical	-16.65
1000.000	32.86	54.00	-21.14	59.09	Horizontal	0.54
131.527	19.74	43.50	-23.76	153.60	Vertical	-15.27
608.185	21.92	46.00	-24.08	59.09	Horizontal	-6.45
609.381	21.53	46.00	-24.47	125.95	Vertical	-6.36
612.000	21.50	46.00	-24.50	1.44	Vertical	-6.25

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

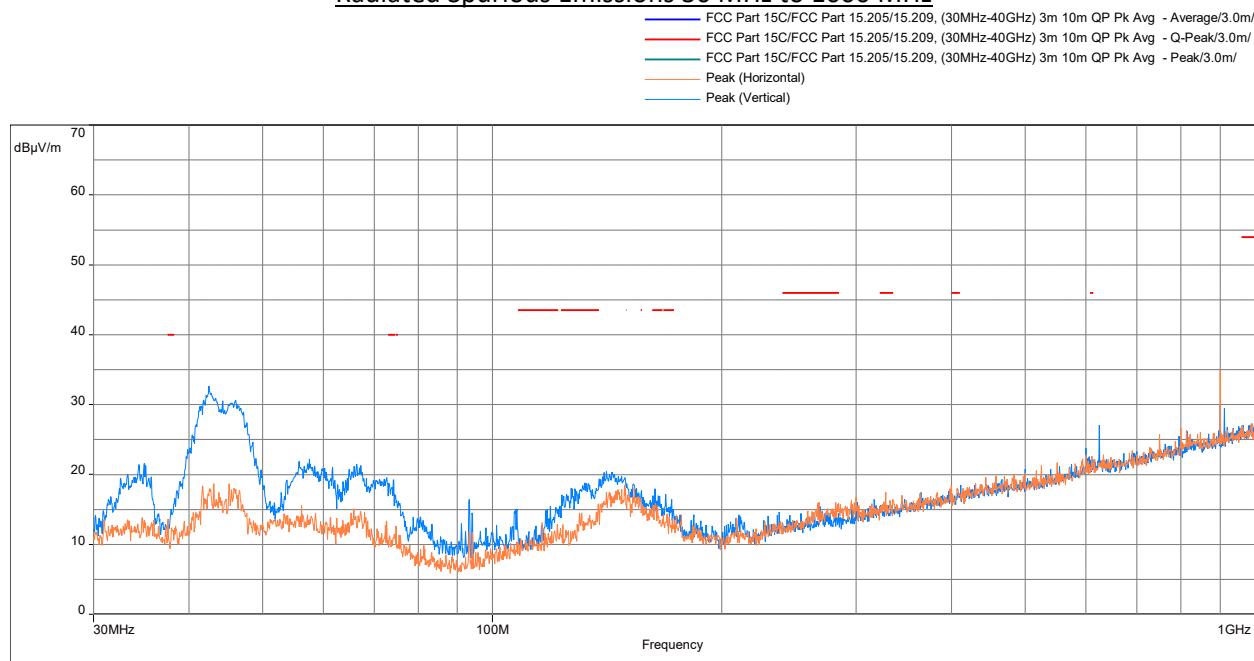


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17794.867	Peak	68.62	74.00	-5.38	64.77	Vertical	48.82
15994.567	Peak	68.35	74.00	-5.65	184.21	Horizontal	48.69
15766.767	Peak	68.27	74.00	-5.73	239.08	Vertical	48.79
17951.267	Average	50.33	54.00	-3.67	265.28	Vertical	49.25
17991.500	Average	50.24	54.00	-3.76	95.51	Horizontal	49.37
3990.300	Average	36.24	54.00	-17.76	232.09	Horizontal	34.36

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

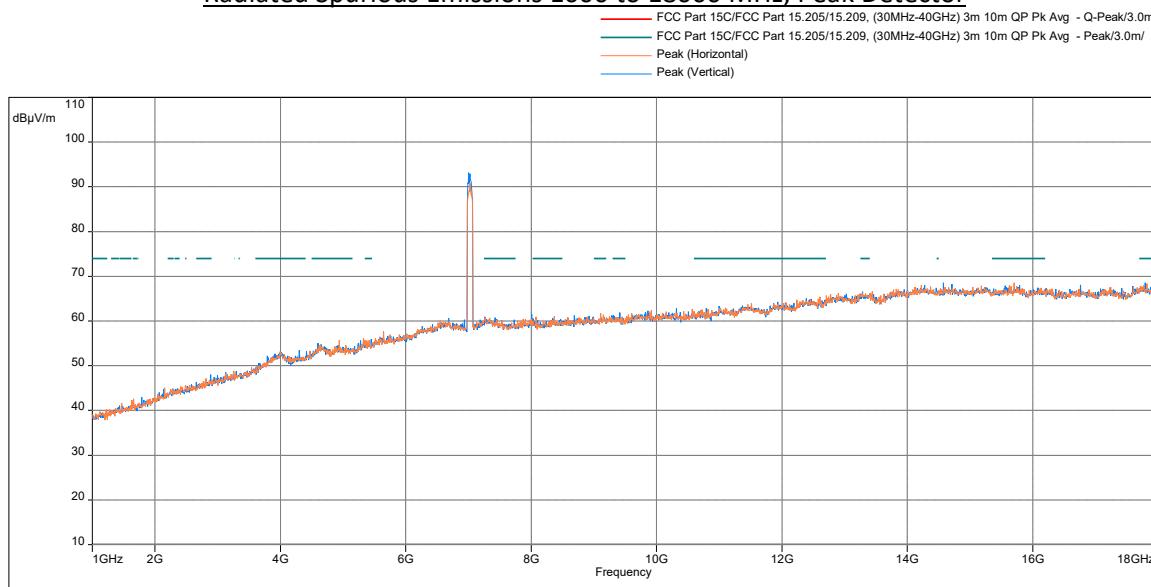
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11ax (80MHz), 7025MHz

Radiated Spurious Emissions 30 MHz to 1000 MHz

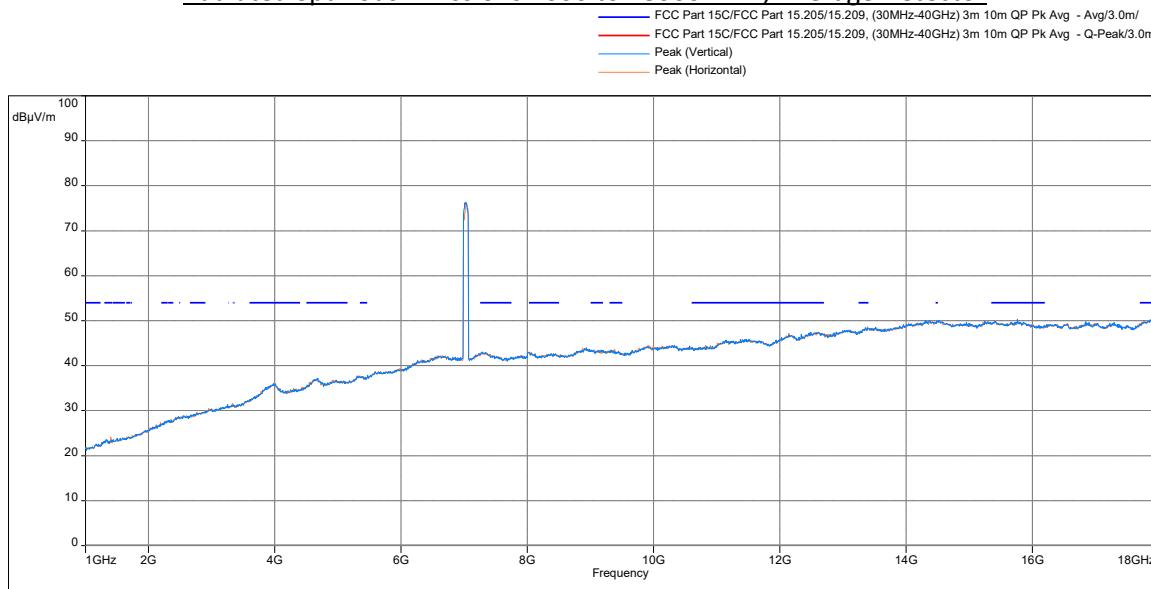


Freq. (MHz)	QPeak@ 3m (dBμV/m)	Lim. QPeak @3m (dBμV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
74.200	19.26	40.00	-20.74	284.17	Vertical	-16.91
1000.000	31.05	54.00	-22.95	318.83	Horizontal	0.54
611.159	22.62	46.00	-23.38	1.65	Horizontal	-6.26
613.132	22.19	46.00	-23.81	64.61	Vertical	-6.15
608.476	22.07	46.00	-23.93	109.21	Vertical	-6.41
613.584	21.61	46.00	-24.39	0.00	Horizontal	-6.15

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector



Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBμV/m)	PK/AV Limit dB(μV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
15702.733	Peak	68.58	74.00	-5.42	306.39	Horizontal	48.78
17793.733	Peak	68.56	74.00	-5.44	189.32	Vertical	48.82
17826.600	Peak	68.37	74.00	-5.63	212.87	Horizontal	48.90
17889.500	Average	50.35	54.00	-3.65	26.75	Vertical	49.10
15764.500	Average	50.27	54.00	-3.73	279.61	Vertical	48.79
17881.000	Average	50.25	54.00	-3.75	334.04	Horizontal	49.07

Note: Radiated emission measurements were performed up to 40GHz. No Emissions were identified when scanned from 18-40 GHz

4.3.7 Test setup

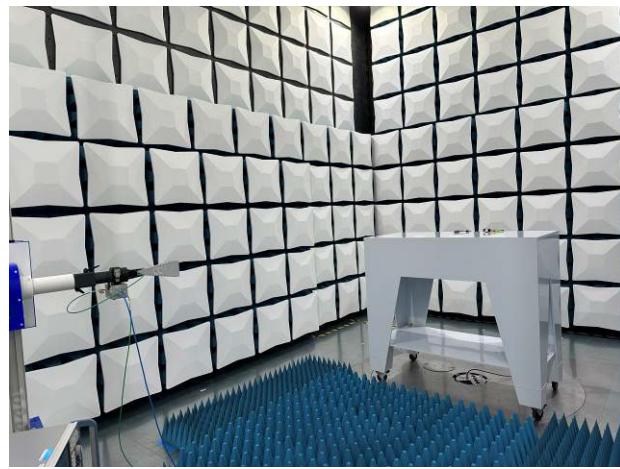
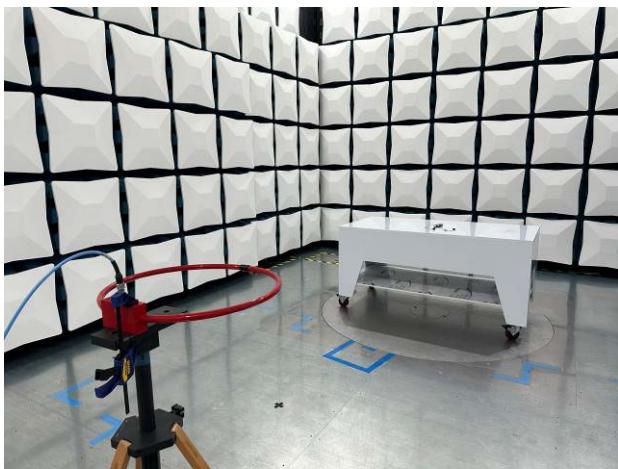
The following photographs show the testing configurations used.



Charging Mode



Battery Mode



5.0 List of Test Equipment

Measurement equipment used for emission compliance testing utilized the equipment on the following list:

Equipment	Manufacturer	Model/Type	Asset #	Cal Int	Cal Due
EMI Receiver	Rohde and Schwarz	ESW44	ITS 02016	12	05/30/25
Loop Antenna	ETS-Lindgren	6512	ITS 01573	12	12/02/25
1-18GHz Horn Antenna	RF Spin	DRH18-E	ITS 02114	12	10/02/25
18-40GHz Horn Antenna	RF Spin	DRH0844	ITS 02115	12	10/03/25
Trilog Antenna	Schwarzbeck	VULB 9168	ITS 02097	12	08/21/25
9kHz-1GHz Preamplifier	Sonoma Instrument	310N	ITS 02129	12	10/02/25
1-18GHz Preamp	EMC Instruments	EMC118A45SE	ITS 02113	12	10/02/25
18-40GHz Preamp	EMC Instruments	EMC184045SE	ITS 02112	12	10/02/25
RF Cable	TRU Corporation	TRU CORE 300	ITS 01343	12	07/25/25
RF Cable	TRU Corporation	TRU CORE 300	ITS 01344	12	09/13/25
RF Cable	TRU Corporation	TRU CORE 300	ITS 01466	12	01/18/25
RF Cable	Absolute EMC	50915-236	ITS 02109	12	08/19/25
RF Cable	Absolute EMC	50586-39	ITS 02098	12	08/19/25
RF Cable	Absolute EMC	50586-197	ITS 02099	12	08/19/25
Band Reject Filter	MICRO-TRONICS	BRM50716	ITS 01798	12	02/14/25
Band Reject Filter	MICRO-TRONICS	BRM50716	ITS 02062	12	02/14/25

Software used for emission compliance testing utilized the following:

Name	Manufacturer	Version	Template/Profile
BAT-EMC	Nexio	3.20.0.23	Vocera Radio.bpp

6.0 Document History

Revision/ Job Number	Writer Initials	Reviewer Initials	Date	Change
1.0 / G105964951	GC	AS	January 29, 2025	Original Document

END OF REPORT