TEST REPORT

Class 2 Permissive Change

Report Number: 105964951MPK-006
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-247 Issue 3

For

Stryker Medical

Test Performed by:	**Test Authorized by:**
Intertek	Stryker Medical
1365 Adams Court	3030 Orchard Parkway.
Menlo Park, CA 94025 USA	San Jose, CA 95134 USA

Prepared by: _____ **Date:** January 29, 2025
Gabriel Angelo Carreon

Reviewed by: _____ **Date:** January 29, 2025
Anderson Soungpanya

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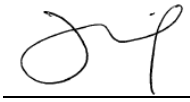
Report No. 105059409MPK-006	
Equipment Under Test:	Communication Badge
Model Number:	B7000
Applicant:	Stryker Medical
Contact:	Lionel Gabrillo
Address:	3030 Orchard Parkway San Jose, CA 95134
Country:	USA
Tel. Number:	1 (408)-882-4564
Email:	lionel.gabrillo@stryker.com
Applicable Regulation:	FCC Part 15, Subpart E (15.407) ISED RSS-247 Issue 3
Date of Test:	November 19, 2024 to December 6, 2024

We attest to the accuracy of this report:



Gabriel Carreon
EMC Project Engineer

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EMC Team Lead

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1.0 Introduction

1.1 Summary of Tests

Test	Reference FCC	Reference Industry Canada	Result
Conducted Output Power	15.407(a)(1)(2)(3)	RSS-247 6.2 Power and unwanted emissions limits	Complies
Undesirable Emissions	15.407(b)(1-8)	RSS-247 6.2 Power and unwanted emissions limits	Complies
Transmitter Radiated Emissions	15.407(b)(1-8) 15.209, 15.205	RSS-247 6.2 Power and unwanted emissions limits	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: November 19, 2024

Test completion date: December 6, 2024

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	64QAM, 16QAM, QPSK, BPSK for OFDM in 802.11a,11n,11ac 256QAM for OFDM in 802.11ac 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA in 802.11ax
Rated RF Output	17.99 dBm
Frequency Range	U-NII 1: 5150 – 5250 MHz U-NII 2a: 5250 – 5350 MHz U-NII 2c: 5470 – 5725 MHz U-NII 3: 5725 – 5850 MHz
Type of modulation	OFDM, OFDMA
Number of Channel(s)	25 for 802.11a/n/ac/ax 20 MHz 12 for 802.11n/ac/ax 40MHz 6 for 802.11ac/ax 80MHz
Antenna(s) & Gain	Internal Antennas, Gain: 5150 – 5850: MHz: 2.95 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

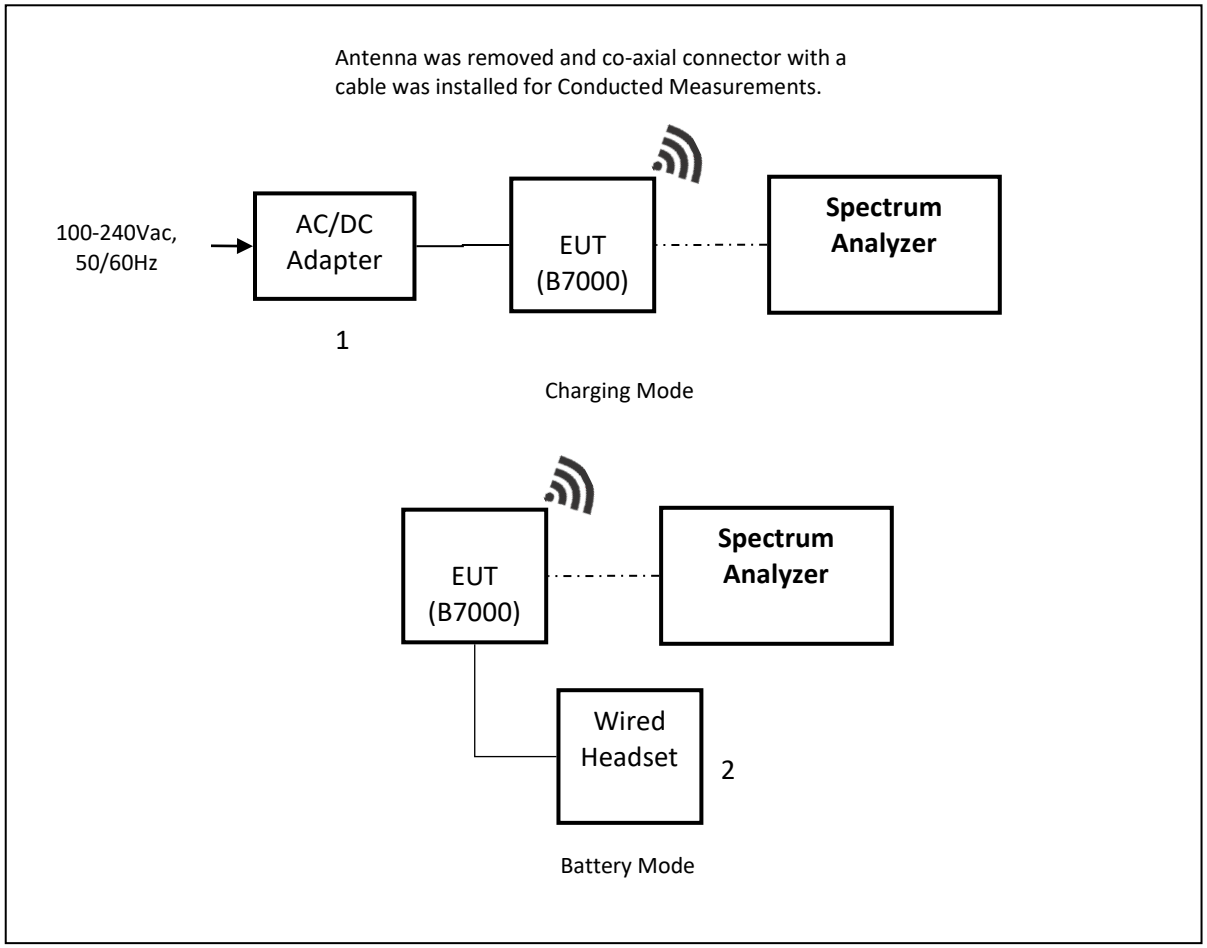
3.1 Support Equipment

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

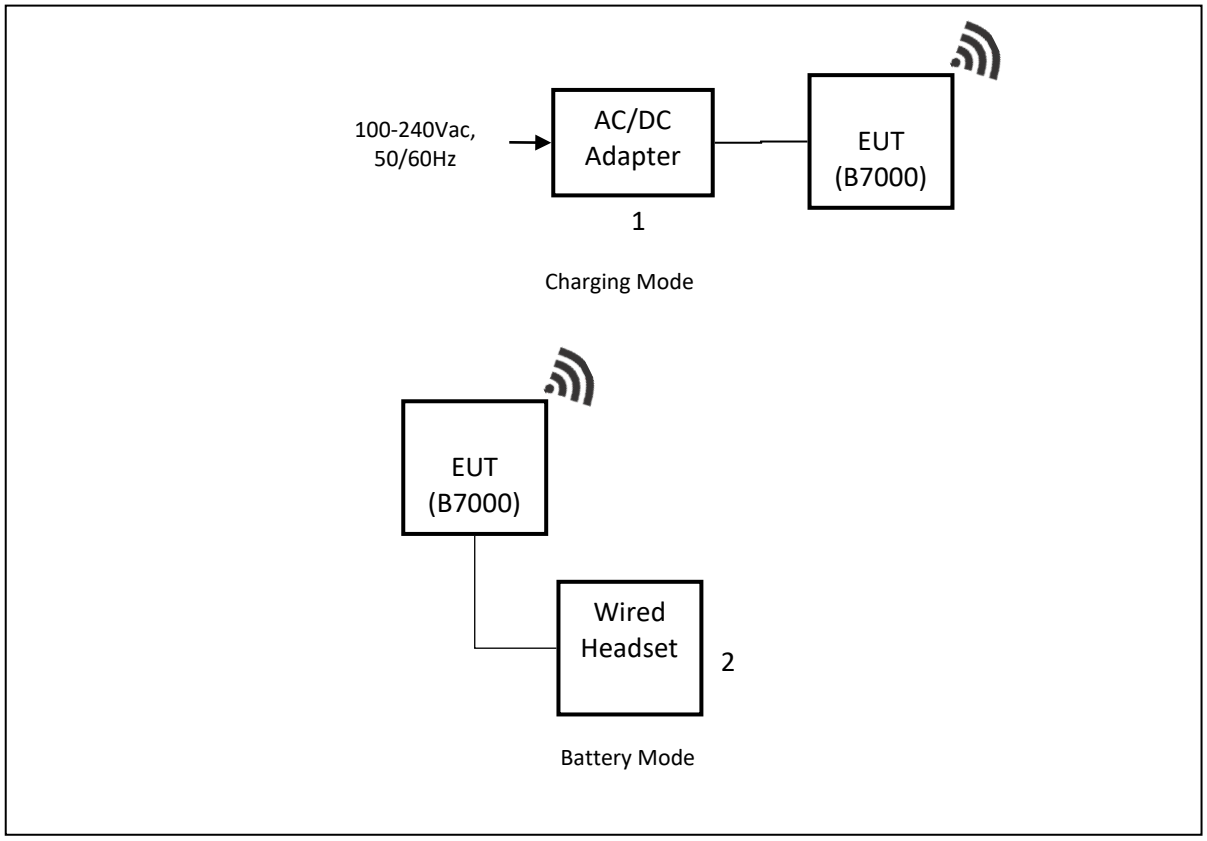
3.2 Block Diagram of Test Setup

Equipment Under Test			
Description	**Manufacturer**	**Model**	**Serial Number**
Communication Badge (Conducted Sample)	Stryker Medical	B7000	MA3304M78005EA
Communication Badge (Radiated Sample)	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 data rate with highest power and widest spectrum were selected for final measurements:

OFDM, 6MB/s – for 802.11a
OFDM, MCS0 – for 802.11n/ac/ax 20/40/80MHz

For radiated emission measurements the EUT is placed on a non-conductive table.

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	802.11a RF Setting	802.11n/ac 20MHz BW RF Setting
36	5180	14.5	12.5
44	5220	17.5	15.5
48	5240	17.5	15.5
52	5260	17.5	16.5
60	5300	14.5	12.5
64	5320	14.5	12.5
100	5500	14.5	12.5
116	5580	17.5	15.5
136	5680	17.5	15.5
140	5700	10.5	9.5
144	5720	17.5	15.5
149	5745	17.5	15.5
157	5785	17.5	15.5
165	5825	14.5	12.5

Channel	Frequency MHz	802.11n/ac 40MHz BW RF Setting
38	5190	12.5
46	5210	15.5
54	5270	15.5
62	5310	8.5
102	5510	8.5
110	5550	15.5
134	5670	13.5
142	5710	15.5
151	5755	15.5
159	5795	12.5

Channel	Frequency MHz	802.11ac/ax 80MHz BW RF Setting
42	5210	12.5
58	5290	8.5
106	5530	7.5
122	5610	15.5
138	5690	15.5
155	5775	12.5

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 Conducted Output Power
FCC Rule 15.407(a)(1)(iv)

4.1.1 Requirement

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1-megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

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	Data Rate	Total Power (Battery Mode)	Total Power (Charging Mode)	Required Limit	Result
		MHz	MHz	dBm		dBm	
802.11a 20MHz	36	5180	6	14.80	14.85	23.98	PASS
	44	5220	6	17.80	17.97	23.98	PASS
	48	5240	6	17.83	17.81	23.98	PASS
	52	5260	6	18.23	18.20	23.98	PASS
	60	5300	6	14.95	14.92	23.98	PASS
	64	5320	6	15.03	15.01	23.98	PASS
	100	5500	6	14.65	14.61	23.98	PASS
	116	5580	6	18.65	18.58	23.98	PASS
	136	5680	6	18.27	18.24	23.98	PASS
	140	5700	6	10.43	10.32	23.98	PASS
	144	5720	6	15.92	15.89	30	PASS
	149	5745	6	17.57	17.74	30	PASS
	157	5785	6	17.85	17.84	30	PASS
	165	5825	6	14.72	14.85	30	PASS
802.11n/ac 20MHz	36	5180	MCS0	13.06	13.01	23.98	PASS
	44	5220	MCS0	15.99	16.00	23.98	PASS
	48	5240	MCS0	16.00	15.99	23.98	PASS
	52	5260	MCS0	15.41	15.27	23.98	PASS
	60	5300	MCS0	12.45	12.33	23.98	PASS
	64	5320	MCS0	12.91	12.87	23.98	PASS
	100	5500	MCS0	12.46	12.44	23.98	PASS
	116	5580	MCS0	18.51	18.48	23.98	PASS
	136	5680	MCS0	15.32	15.18	23.98	PASS
	140	5700	MCS0	9.48	9.41	23.98	PASS
	144	5720	MCS0	14.56	14.43	30	PASS
	149	5745	MCS0	15.71	15.49	30	PASS
	157	5785	MCS0	15.59	15.57	30	PASS
	165	5825	MCS0	13.06	13.10	30	PASS
802.11n/ac 40MHz	38	5190	MCS0	12.89	12.72	23.98	PASS
	46	5230	MCS0	15.63	15.59	23.98	PASS
	54	5270	MCS0	15.14	15.12	23.98	PASS
	62	5310	MCS0	8.44	8.45	23.98	PASS
	102	5510	MCS0	8.13	8.02	23.98	PASS
	110	5550	MCS0	15.43	15.29	23.98	PASS
	134	5670	MCS0	13.38	13.31	23.98	PASS
	142	5710	MCS0	14.92	14.77	30	PASS
	151	5755	MCS0	15.47	15.26	30	PASS
	159	5795	MCS0	12.76	12.70	30	PASS

Mode	Channel	Frequency	Data Rate	Total Power (Battery Mode)	Total Power (Charging Mode)	Required Limit	Result
		MHz	MHz	dBm		dBm	
802.11ac 80MHz	42	5210	MCS0	12.72	12.58	23.98	PASS
	58	5290	MCS0	8.84	8.66	23.98	PASS
	106	5530	MCS0	7.77	7.68	23.98	PASS
	122	5610	MCS0	15.63	15.62	23.98	PASS
	138	5690	MCS0	15.29	15.12	30	PASS
	155	5775	MCS0	12.56	12.65	30	PASS

4.2 Transmitter Radiated Emissions
FCC Rule 15.407(b) (1-8) 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:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(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.

(6) 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.

(7) The provisions of §15.205 apply to intentional radiators operating under this section.

(8) 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.

Emissions which fall in the restricted bands, as defined in §15.205(a), must comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/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.

Measurements made from 1 GHz to 18GHz had a notch filter in place. A preamp was used from 9kHz to 40GHz.

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 802.11a & n/ac (20MHz), therefore Spurious emissions were measured using 802.11a & n/ac (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(μV/m)
RA = Receiver Amplitude (including preamplifier) in dB(μV); 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(μV) 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(μV/m). This value in dB(μV/m) was converted to its corresponding level in μV/m.
RA = 52.0 dB(μV)
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(μV/m).
Level in μV/m = Common Antilogarithm [(32 dBμV/m)/20] = 39.8 μV/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 ≤ 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 – 20log D + 104.8
where:
E = electric field strength in dBµV/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.

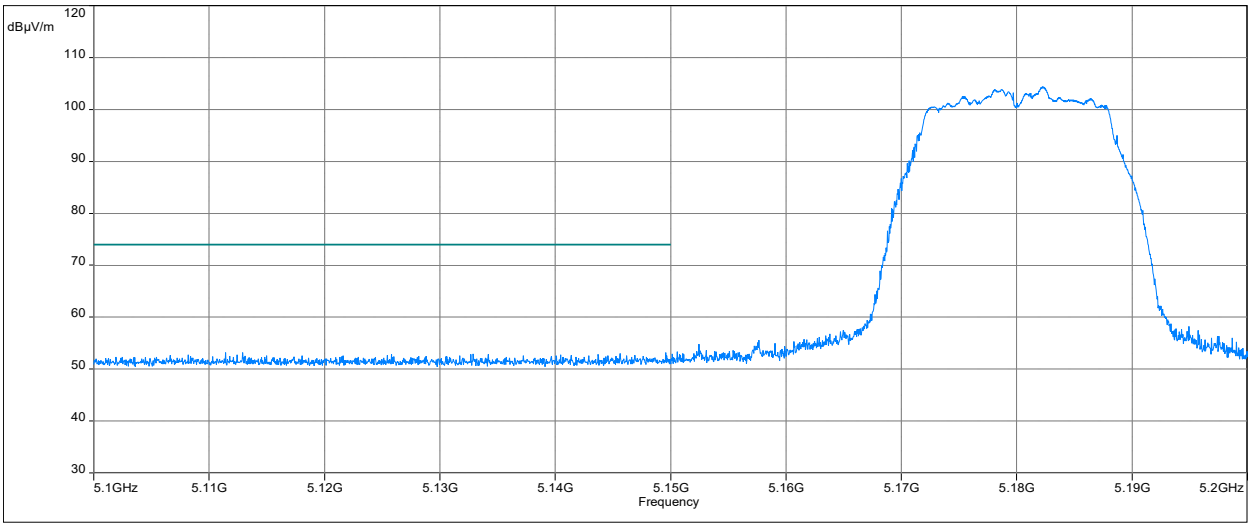
9kHz – 30MHz Data is included of the worst-case configuration (the configuration which resulted in the highest emission levels).

Test Results:

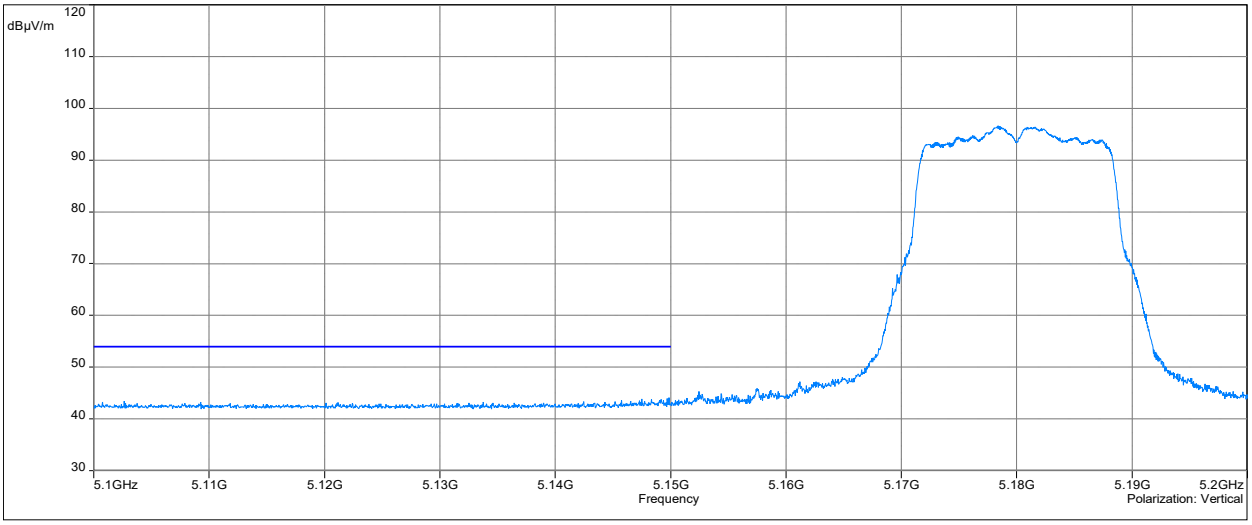
Radiated Out-of-Band Spurious Emissions at the Band Edges/Restricted Bands

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11a, 5180 MHz, Charging Mode

Peak Detector



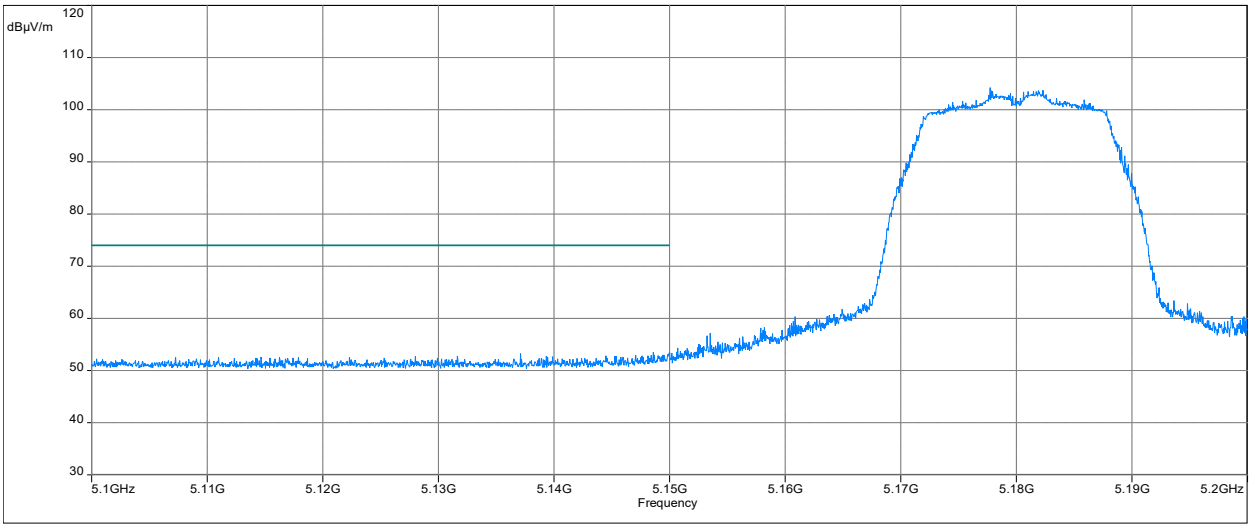
Average Detector



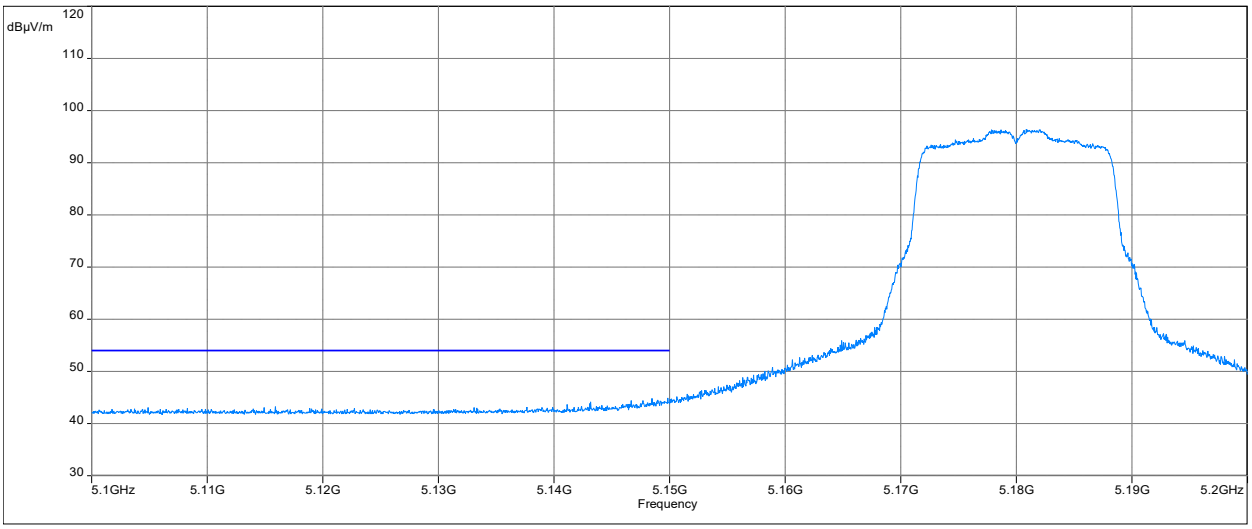
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5150.000	Peak	53.2	74	-20.8	0.98
5150.000	Average	42.89	54	-11.11	0.98

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11a, 5180 MHz, Battery Mode

Peak Detector



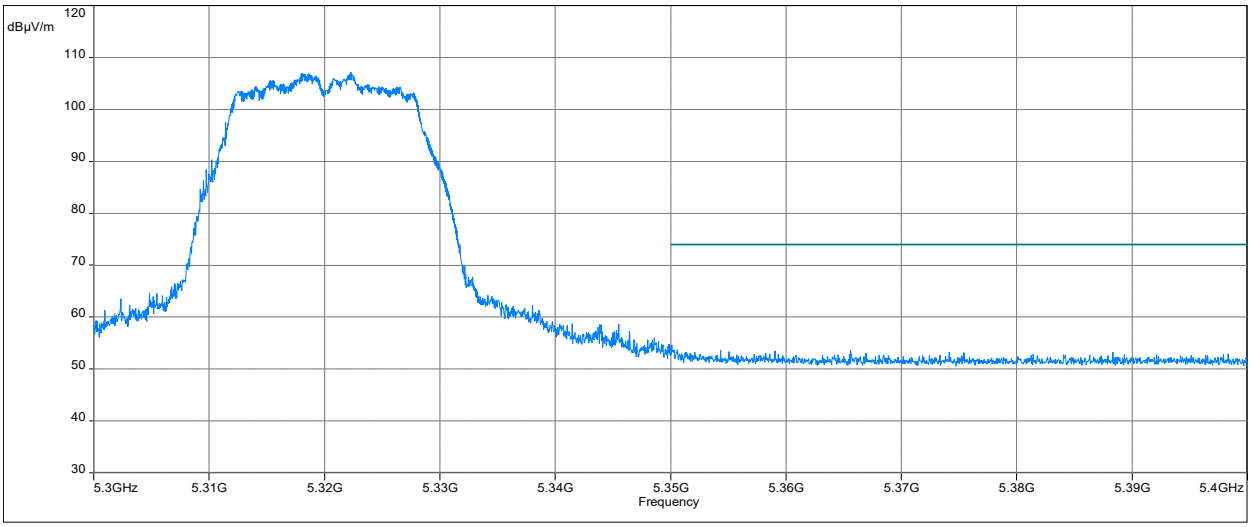
Average Detector



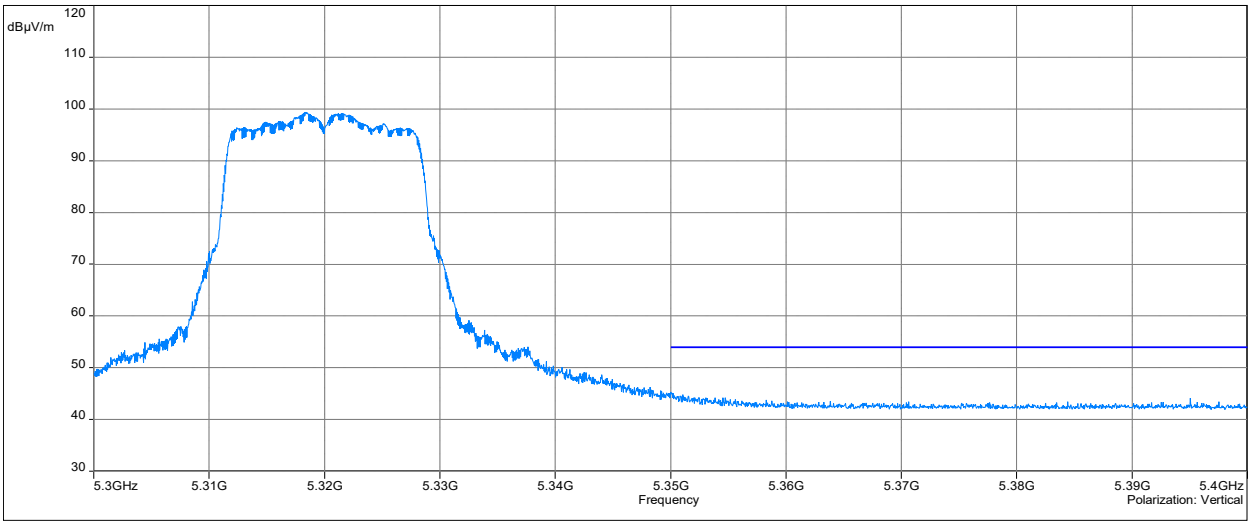
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5150.000	Peak	53.49	74	-20.51	0.98
5150.000	Average	42.89	54	-11.11	0.98

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11a, 5320 MHz, Charging Mode

Peak Detector



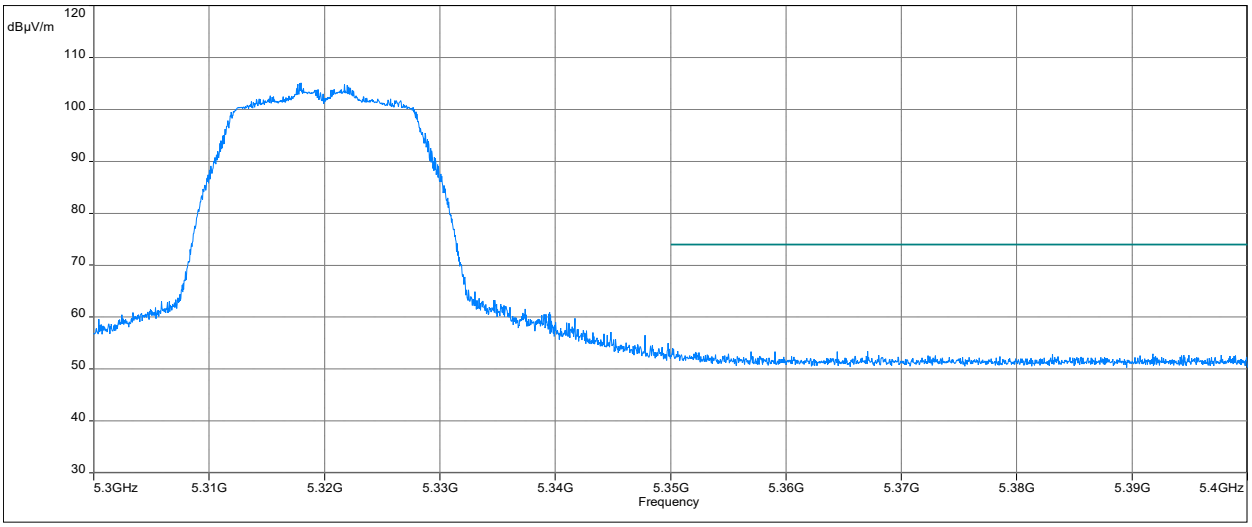
Average Detector



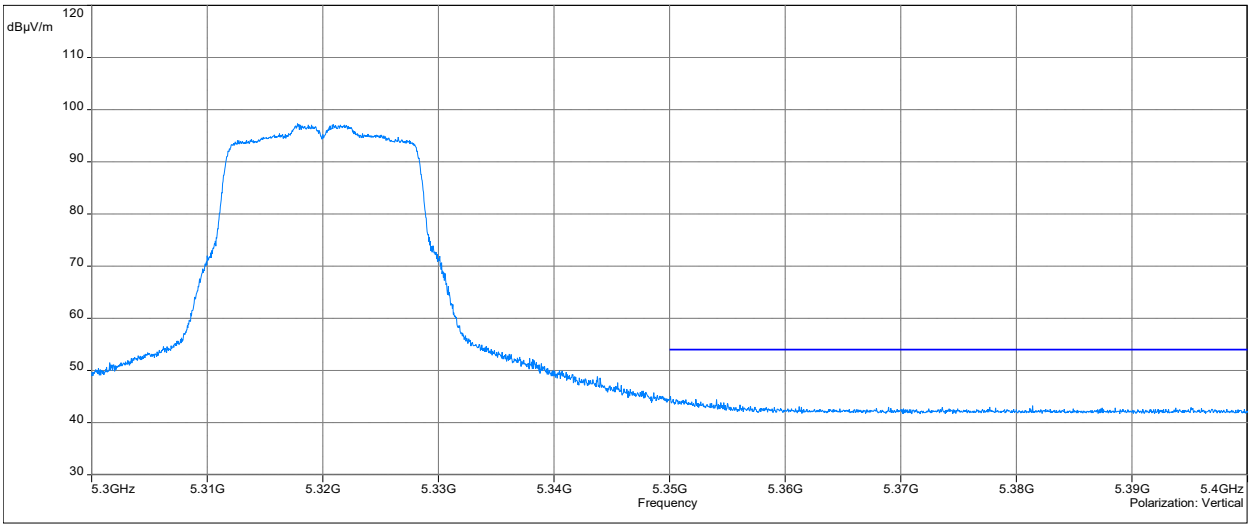
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5350.000	Peak	54.69	74	-19.31	0.70
5350.000	Average	45.36	54	-8.64	0.70

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11a, 5320 MHz, Battery Mode

Peak Detector



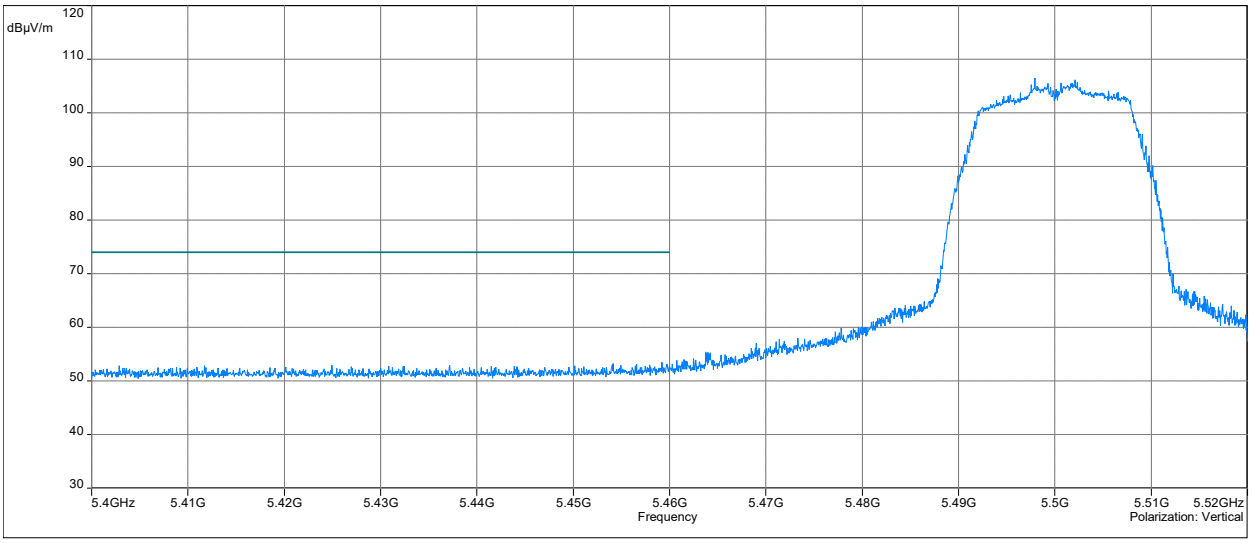
Average Detector



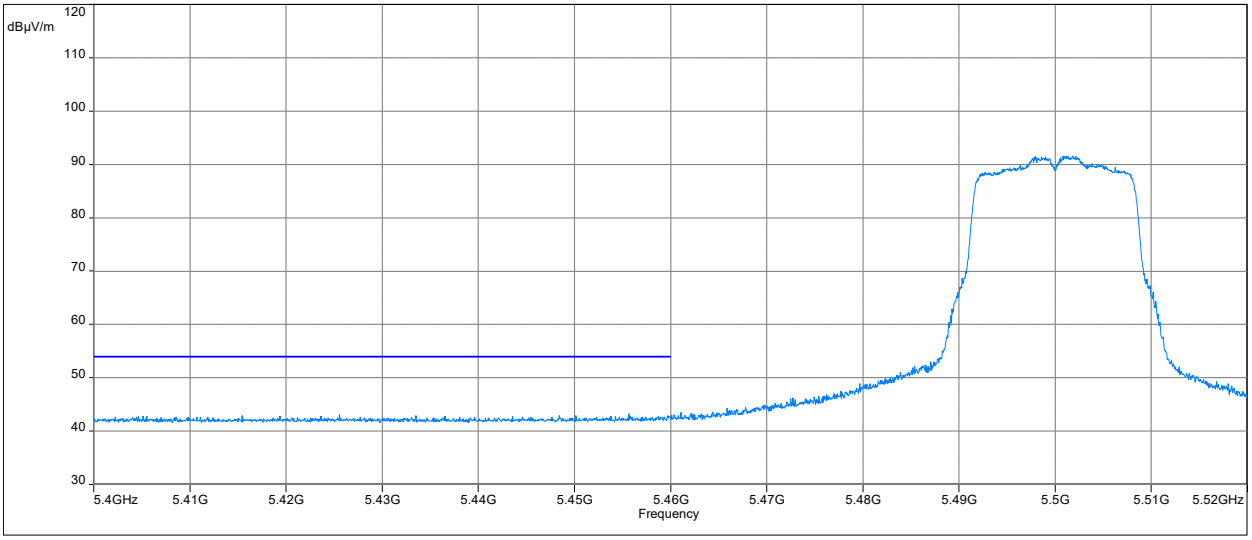
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5350.000	Peak	54.05	74	-19.95	0.70
5350.000	Average	45.10	54	-8.90	0.70

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11a, 5500 MHz, Charging Mode

Peak Detector



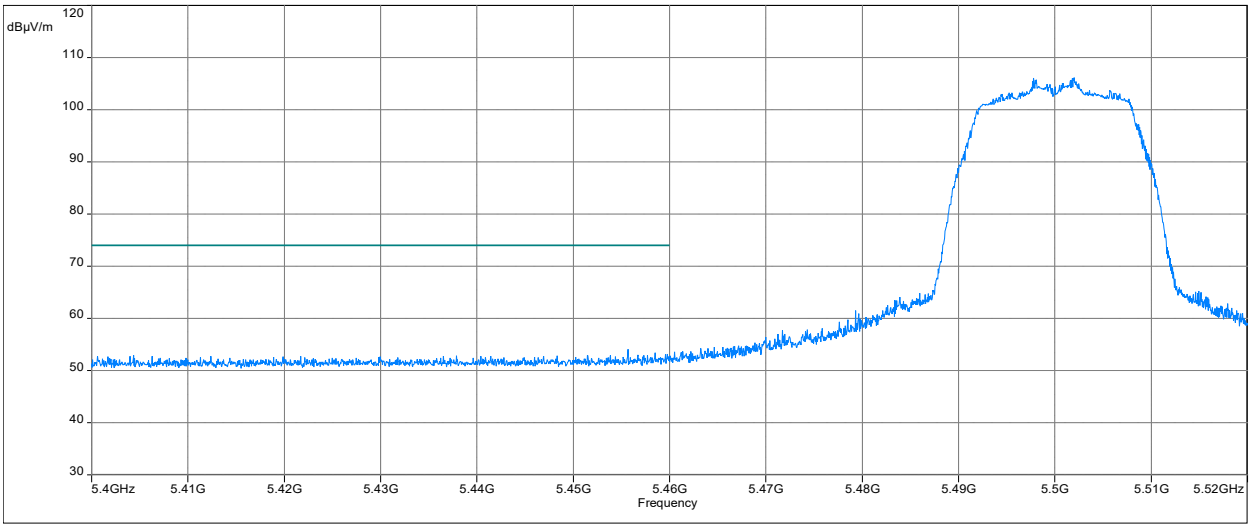
Average Detector



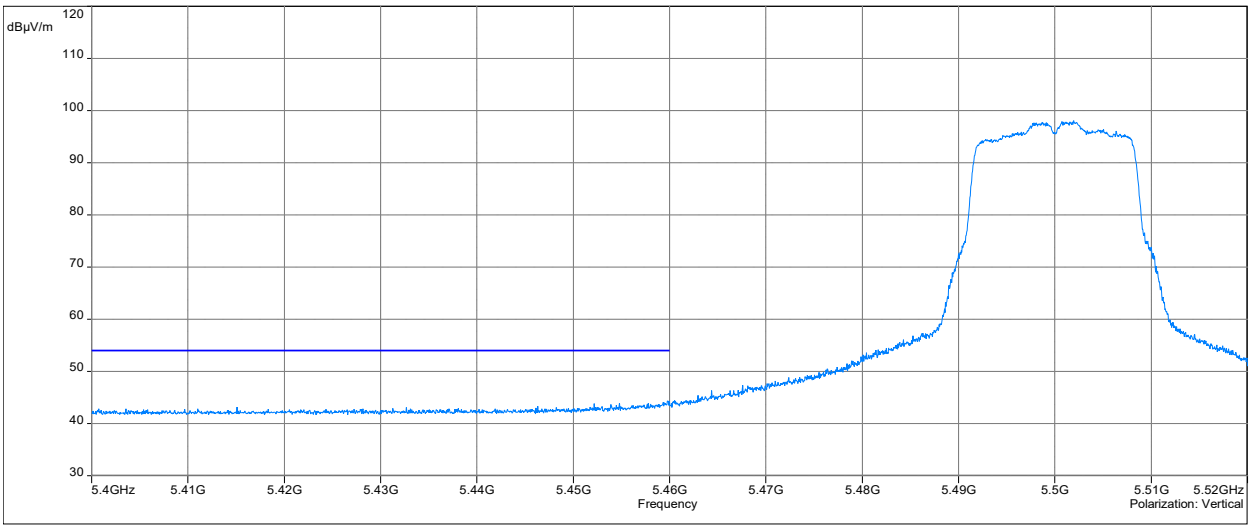
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5460.000	Peak	53.51	74	-20.49	0.62
5460.000	Average	42.89	54	-11.11	0.62

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11a, 5500 MHz, Battery Mode

Peak Detector



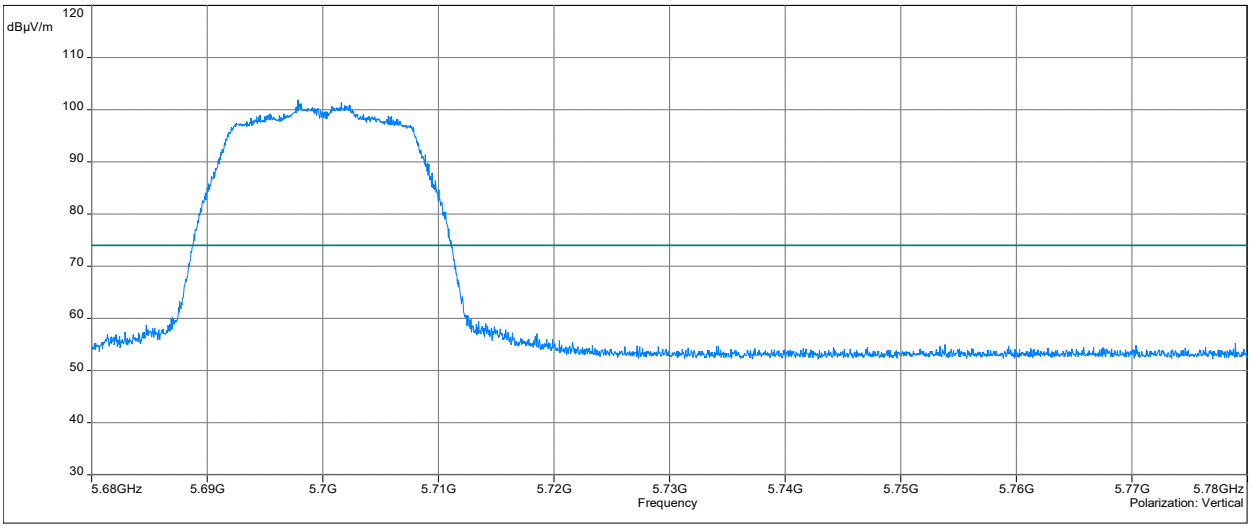
Average Detector



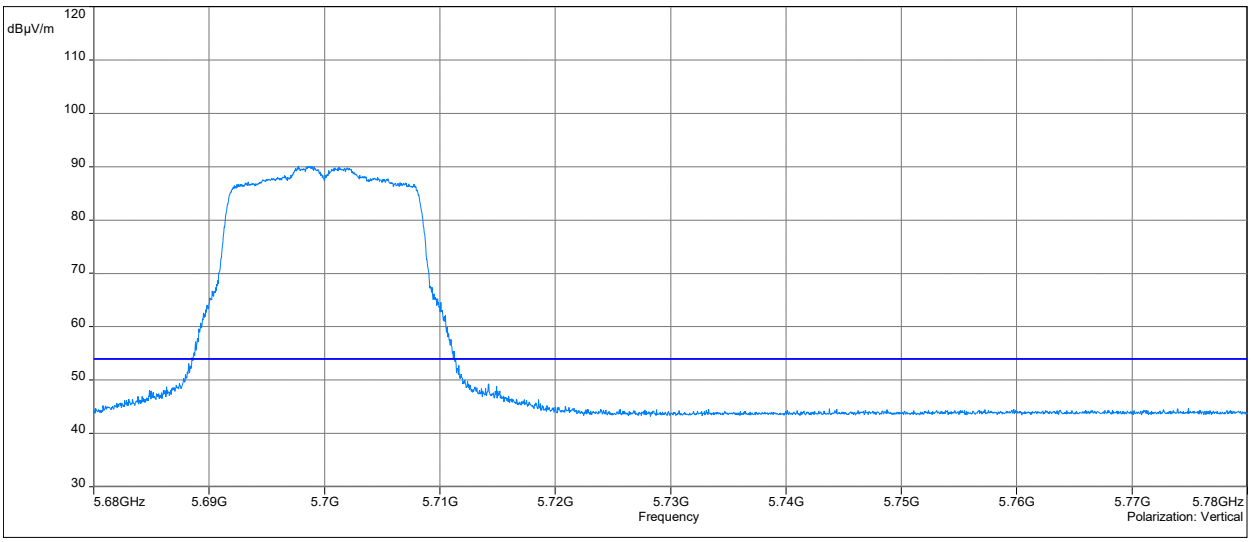
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5460.000	Peak	54.10	74	-19.90	0.62
5460.000	Average	44.32	54	-9.68	0.62

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11a, 5700 MHz, Charging Mode

Peak Detector



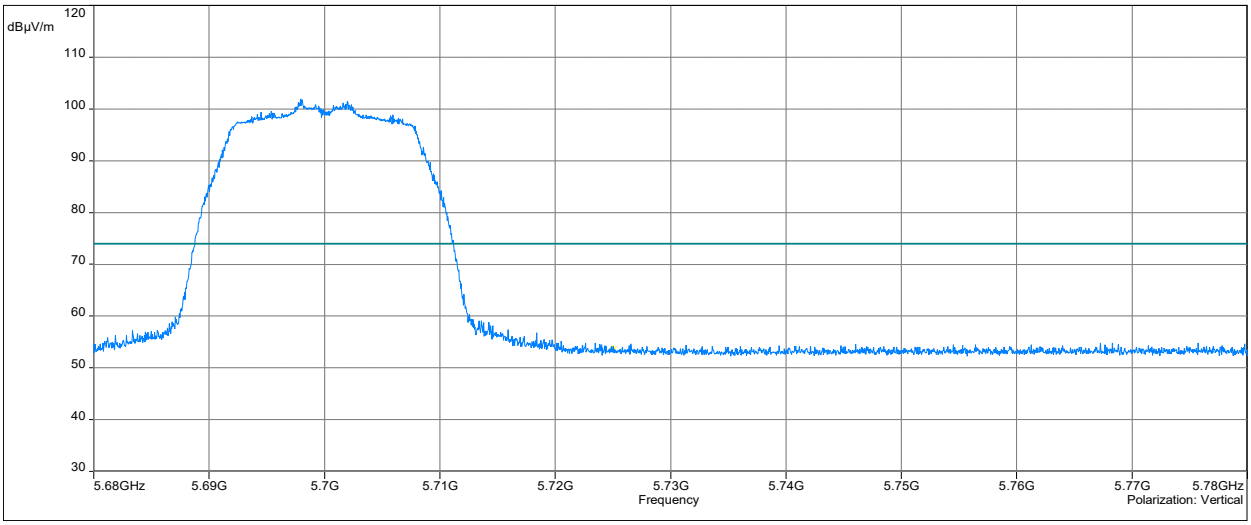
Average Detector



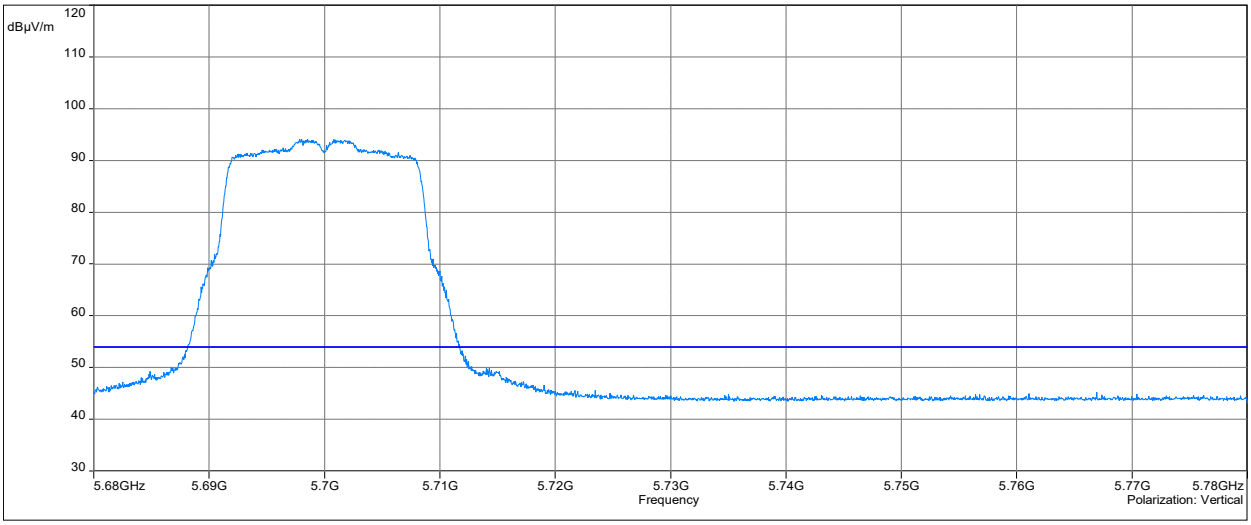
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5725.000	Peak	52.31	74	-21.59	2.00
5725.000	Average	43.07	54	-10.93	2.00

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11a, 5700 MHz, Battery Mode

Peak Detector

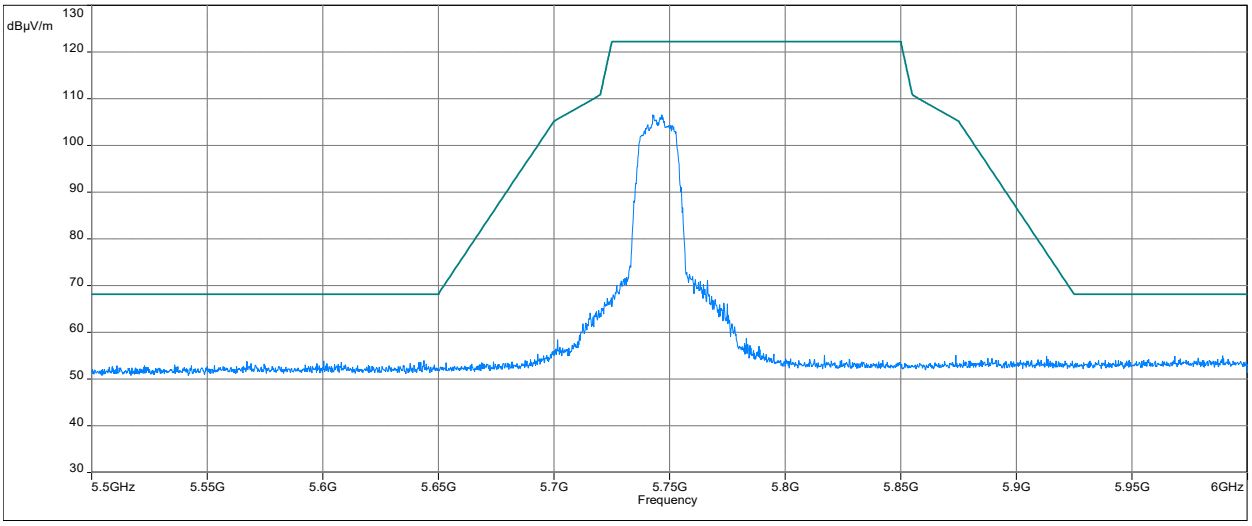


Average Detector

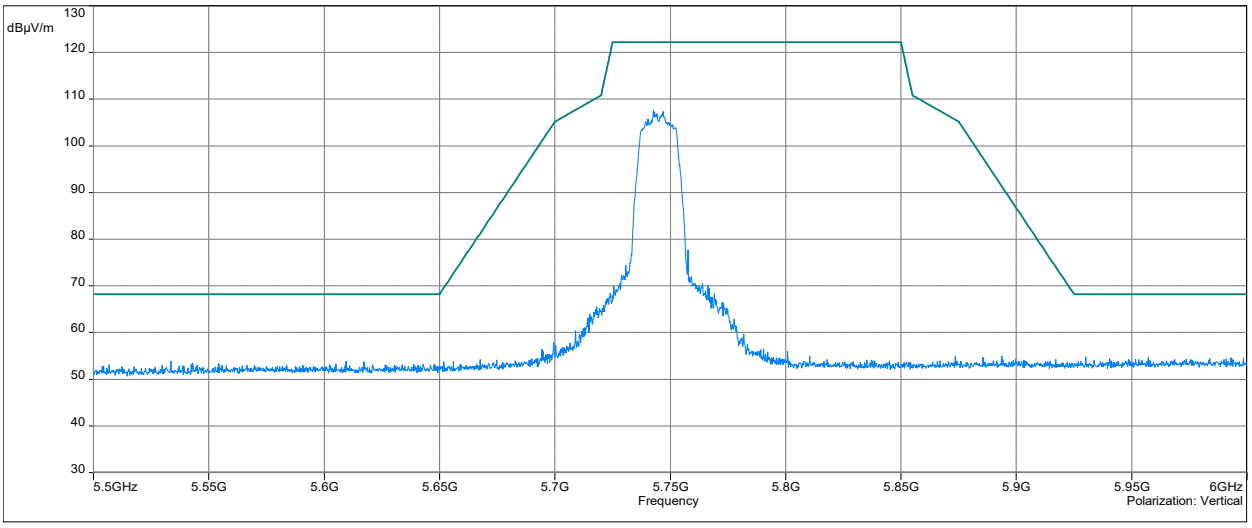


Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5725.000	Peak	53.76	74	-20.24	2.00
5725.000	Average	43.87	54	-10.13	2.00

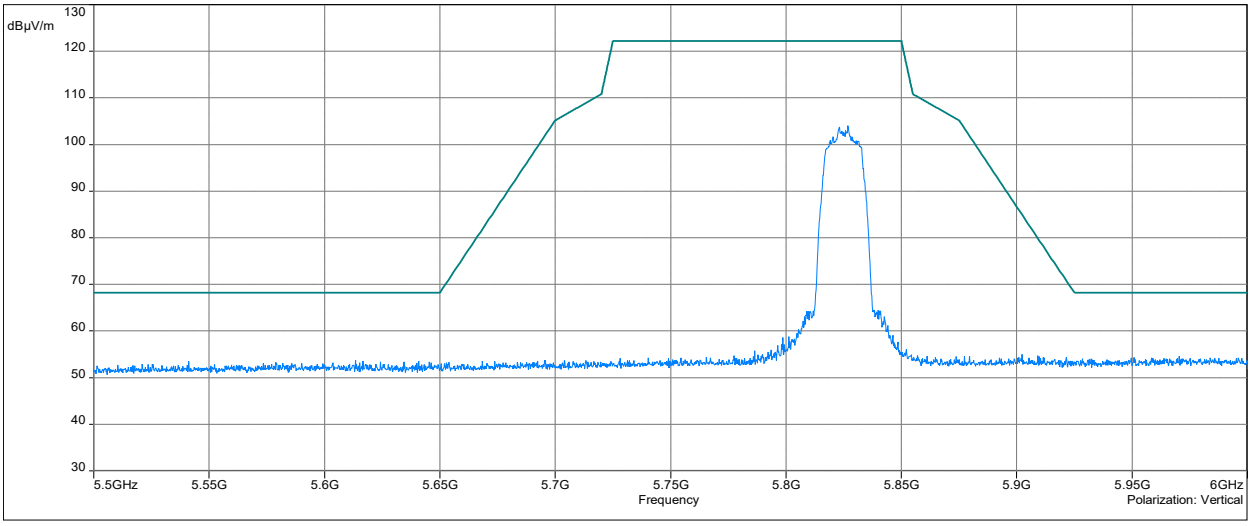
Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11a, 5745 MHz, Charging Mode
Peak Detector



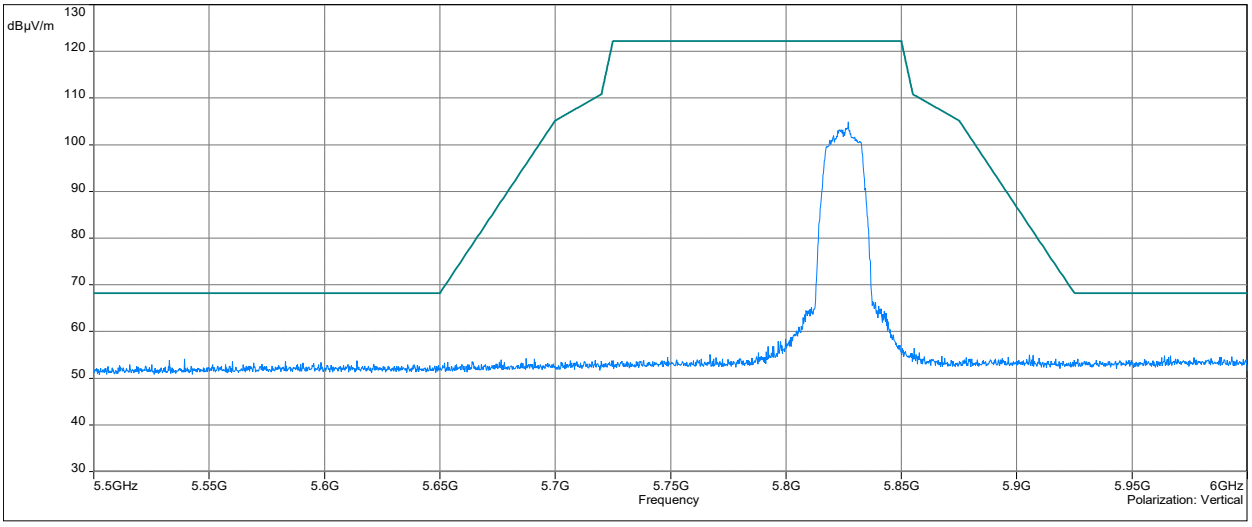
Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11a, 5745 MHz, Battery Mode
Peak Detector



Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11a, 5825 MHz, Charging Mode
Peak Detector

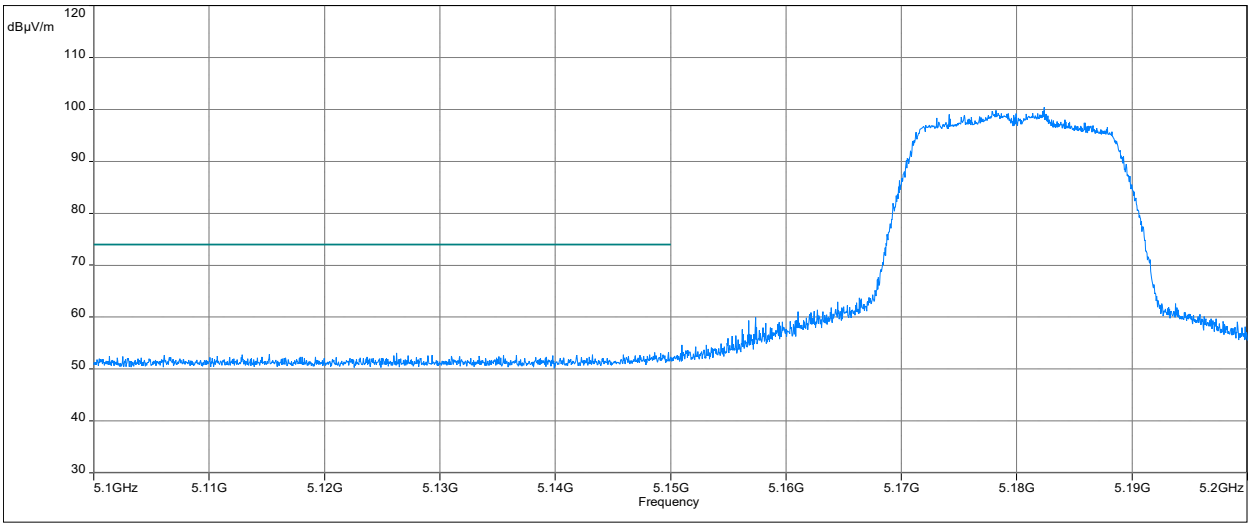


Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11a, 5825 MHz, Battery Mode
Peak Detector

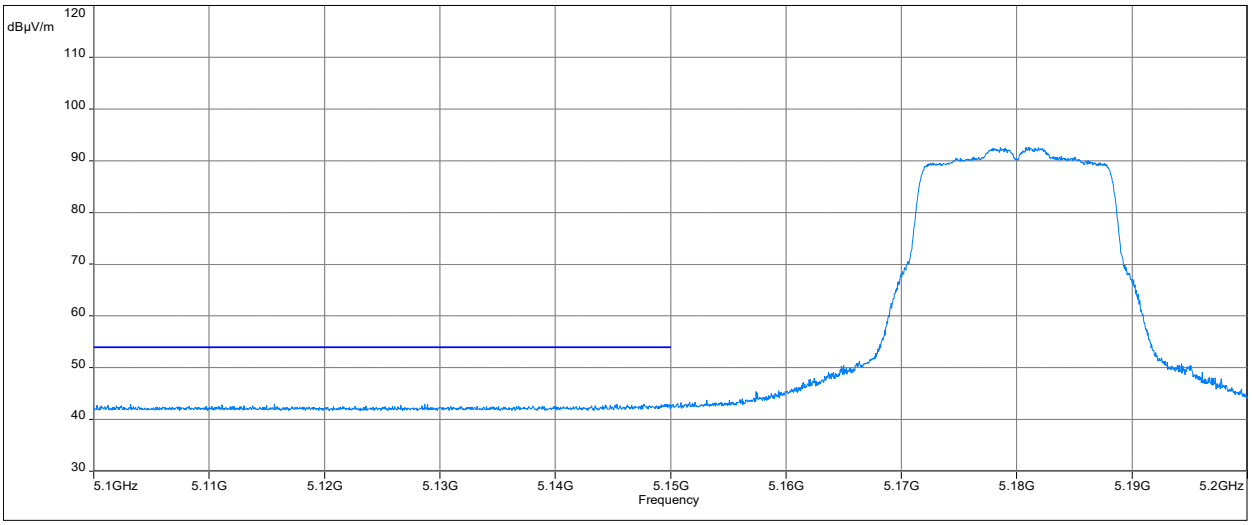


Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (20MHz), 5180 MHz, Charging Mode

Peak Detector



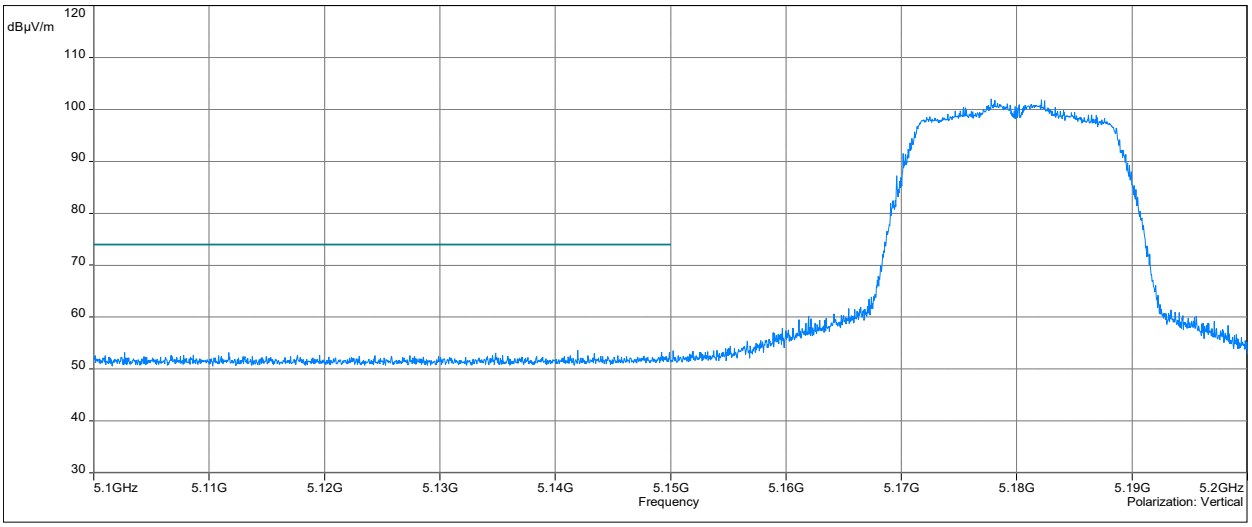
Average Detector



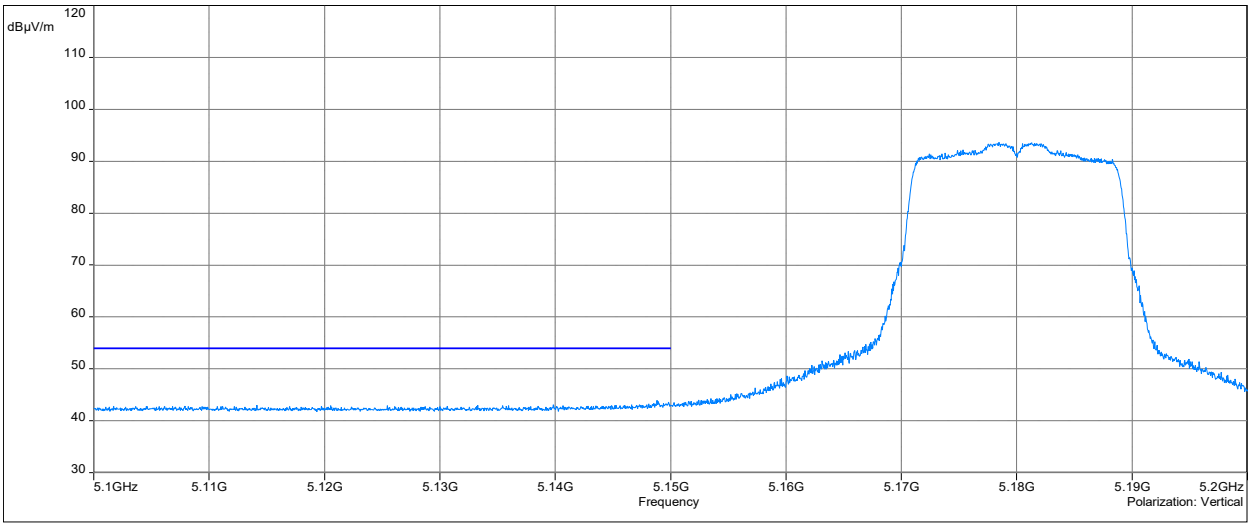
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5150.000	Peak	53.31	74	-20.69	0.59
5150.000	Average	42.19	54	-11.81	0.59

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (20MHz), 5180 MHz, Battery Mode

Peak Detector



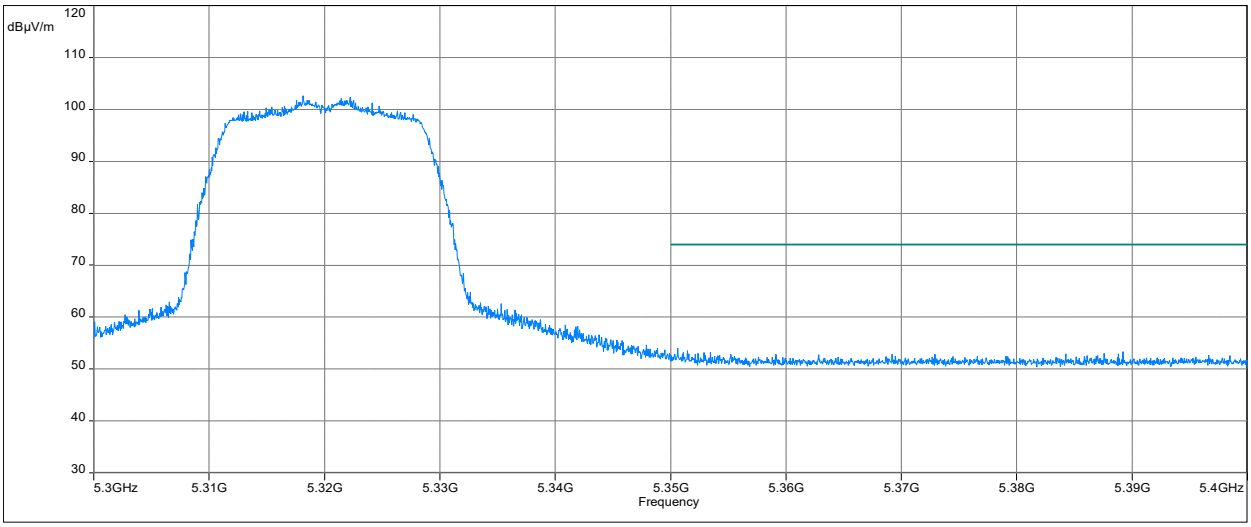
Average Detector



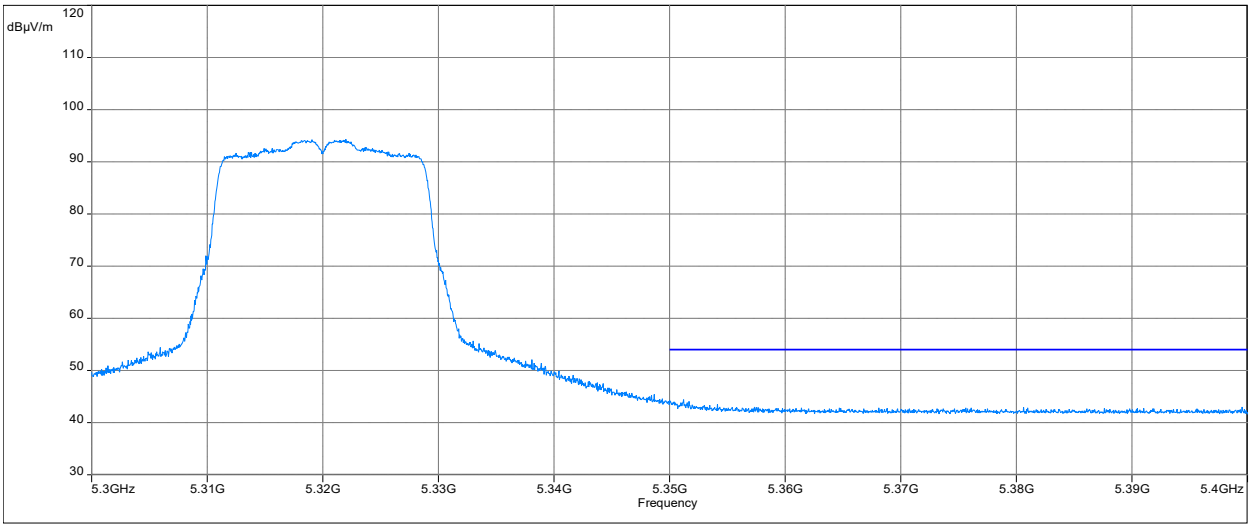
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5150.000	Peak	53.62	74	-20.38	0.59
5150.000	Average	42.60	54	-11.40	0.98

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (20MHz), 5320 MHz, Charging Mode

Peak Detector



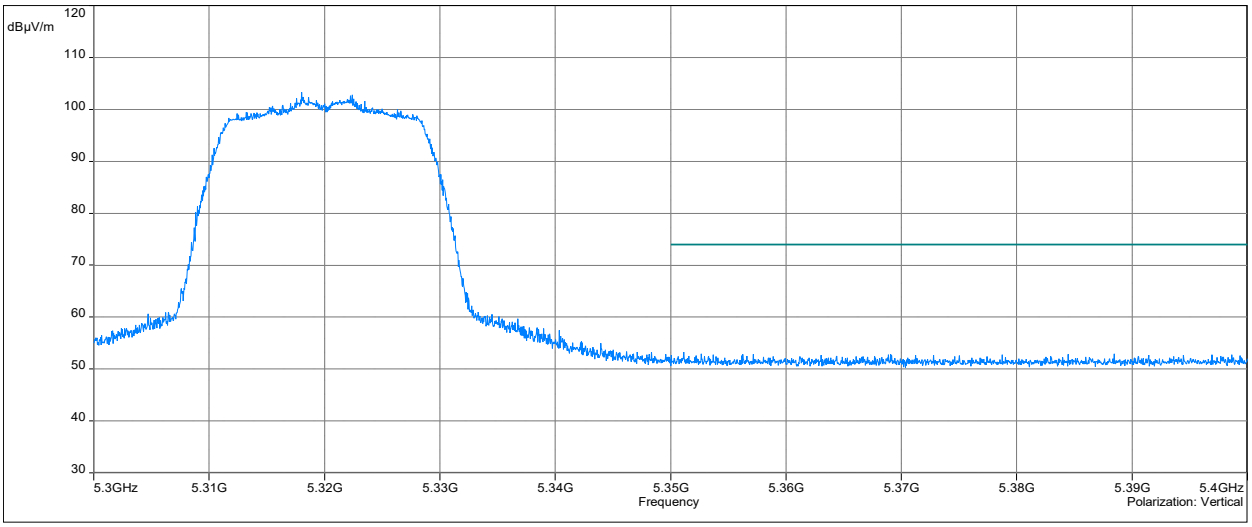
Average Detector



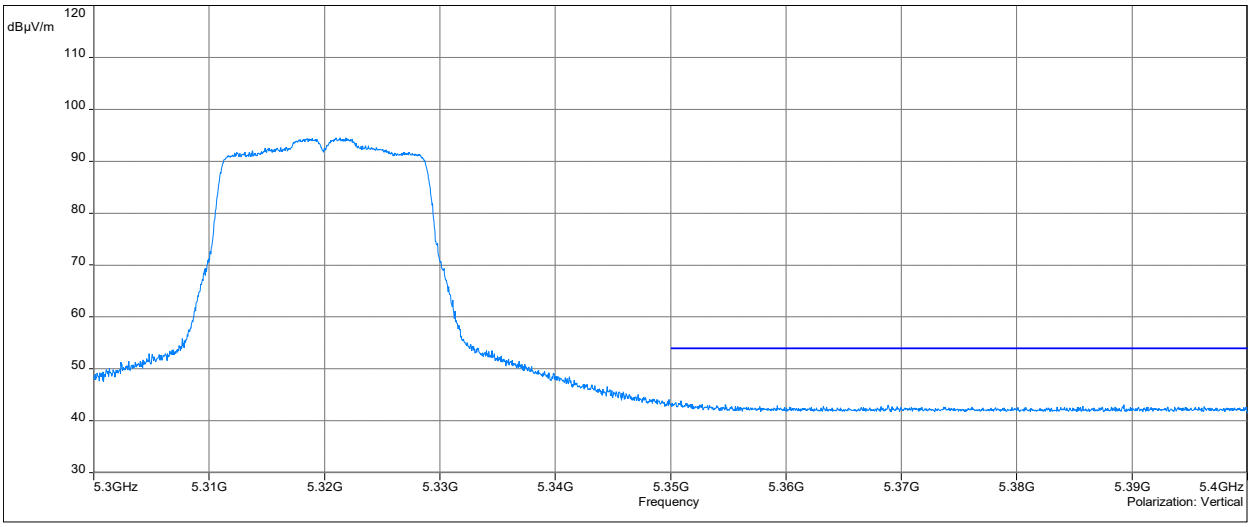
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5350.000	Peak	54.04	74	-19.96	0.46
5350.000	Average	43.75	54	-10.25	0.46

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (20MHz), 5320 MHz, Battery Mode

Peak Detector



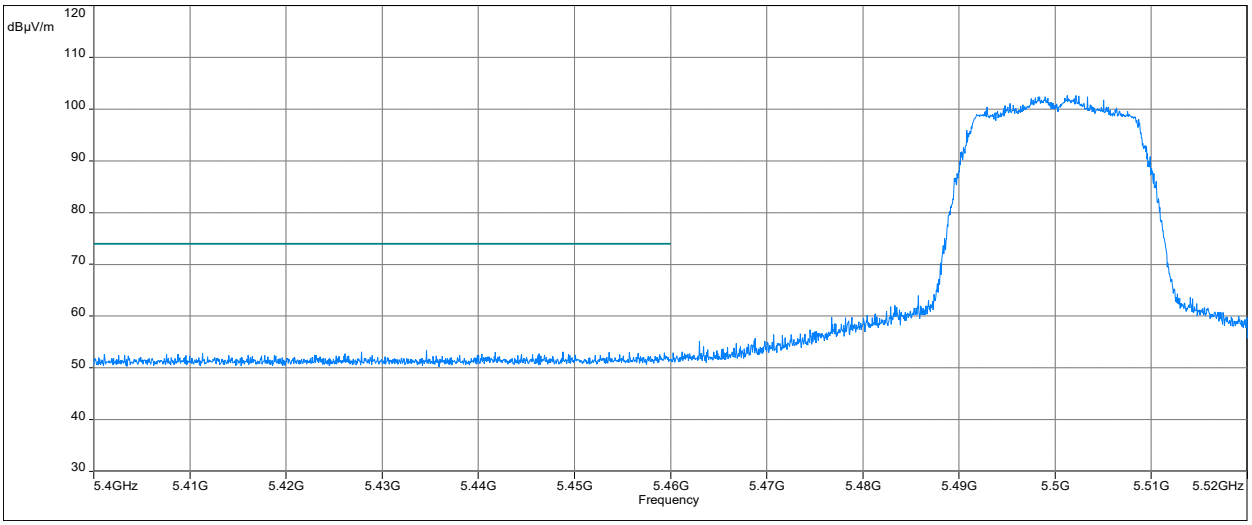
Average Detector



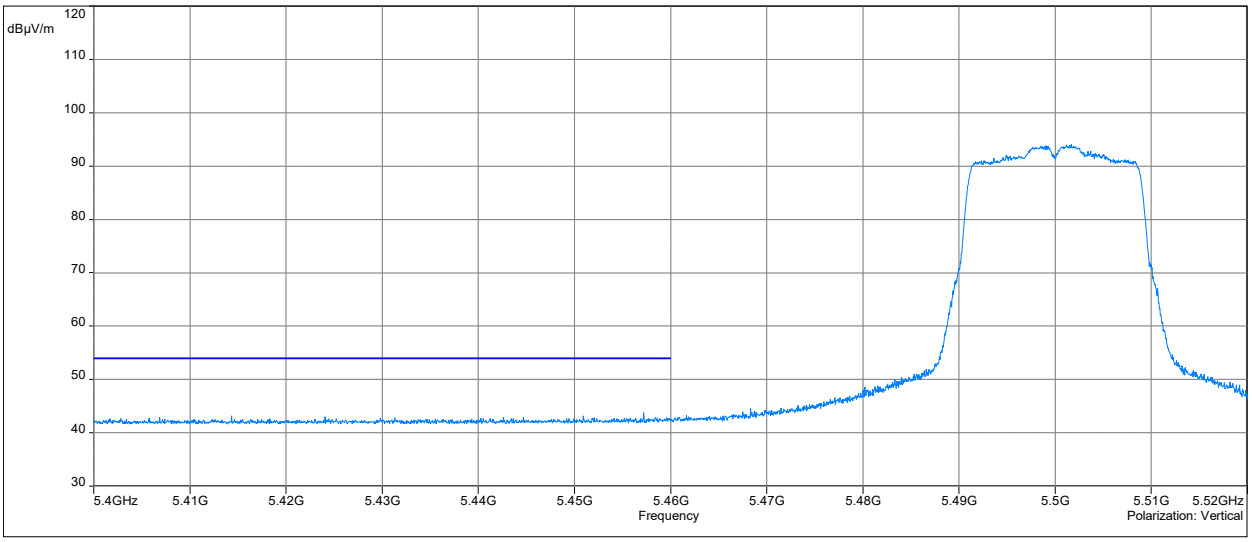
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5350.000	Peak	53.26	74	-20.74	0.46
5350.000	Average	42.99	54	-11.01	0.46

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (20MHz), 5500 MHz, Charging Mode

Peak Detector



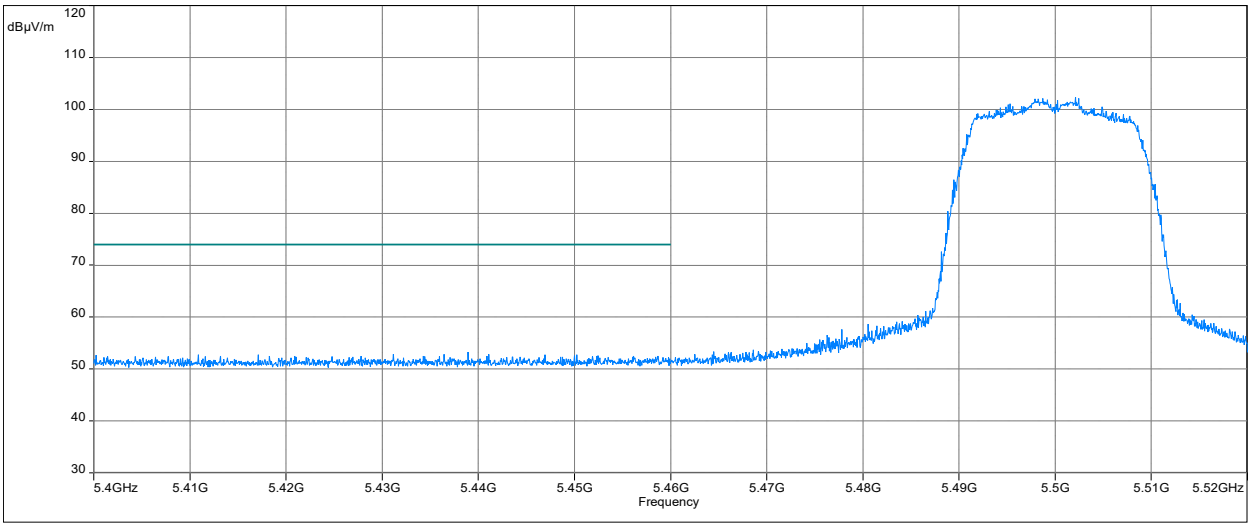
Average Detector



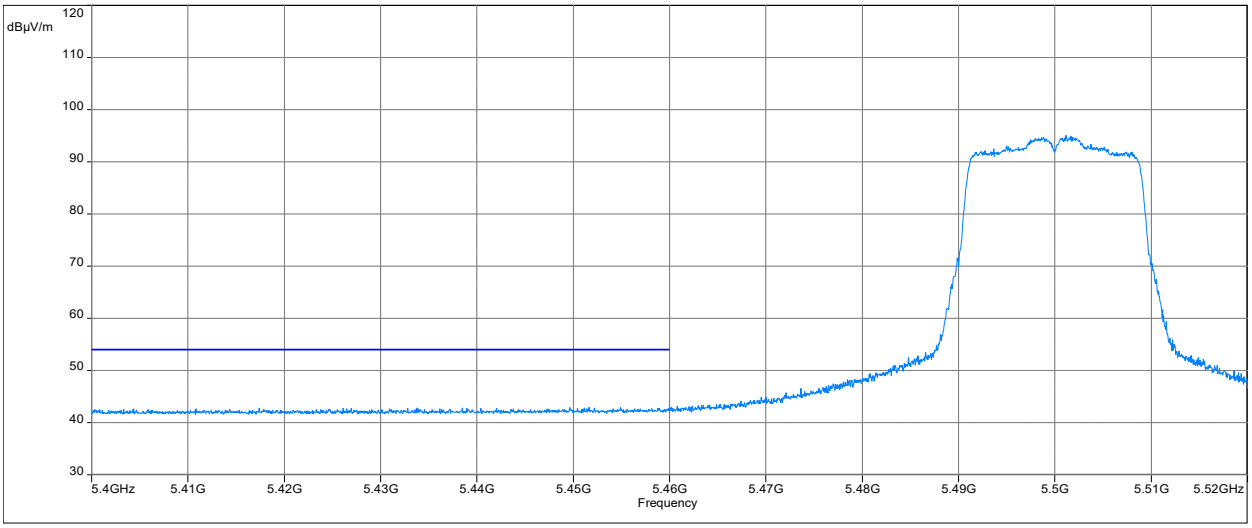
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5460.000	Peak	53.10	74	-20.90	0.63
5460.000	Average	41.47	54	-12.53	0.63

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (20MHz), 5500 MHz, Battery Mode

Peak Detector



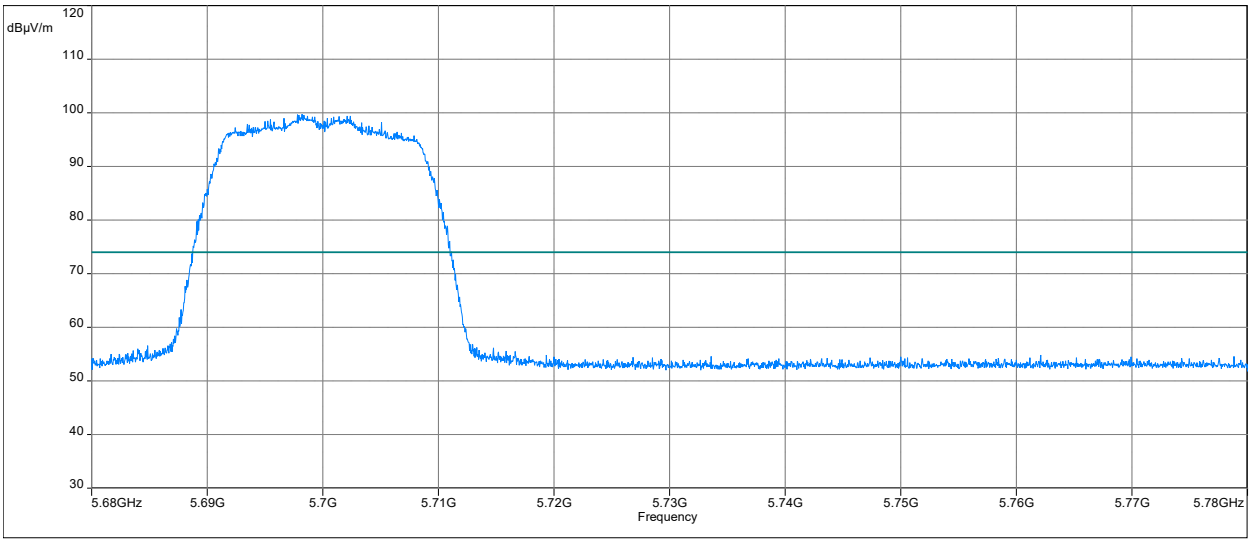
Average Detector



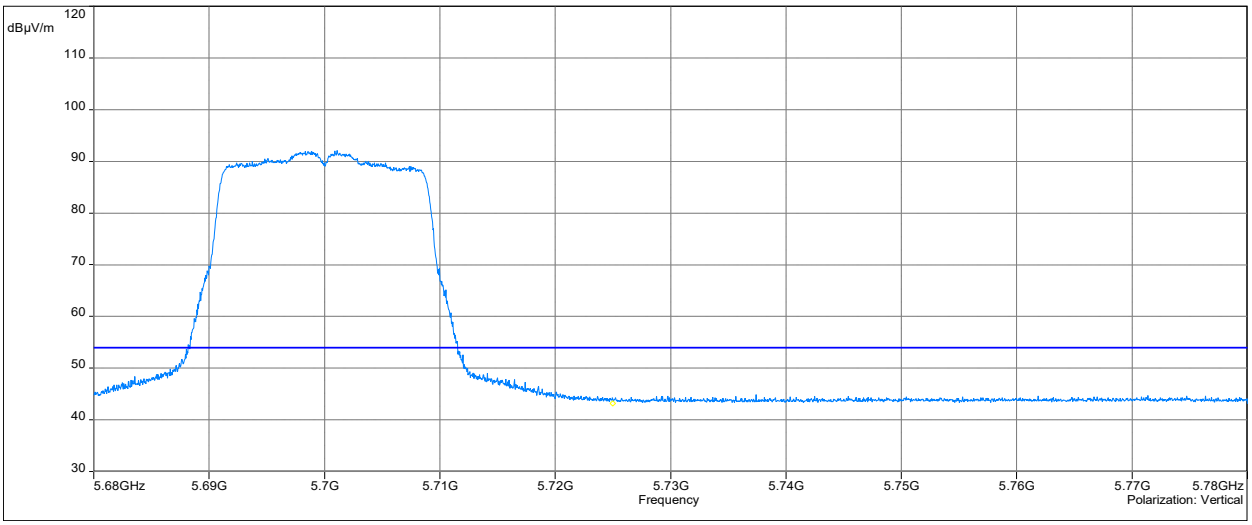
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5460.000	Peak	52.86	74	-21.14	0.63
5460.000	Average	41.94	54	-12.06	0.63

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (20MHz), 5700 MHz, Charging Mode

Peak Detector



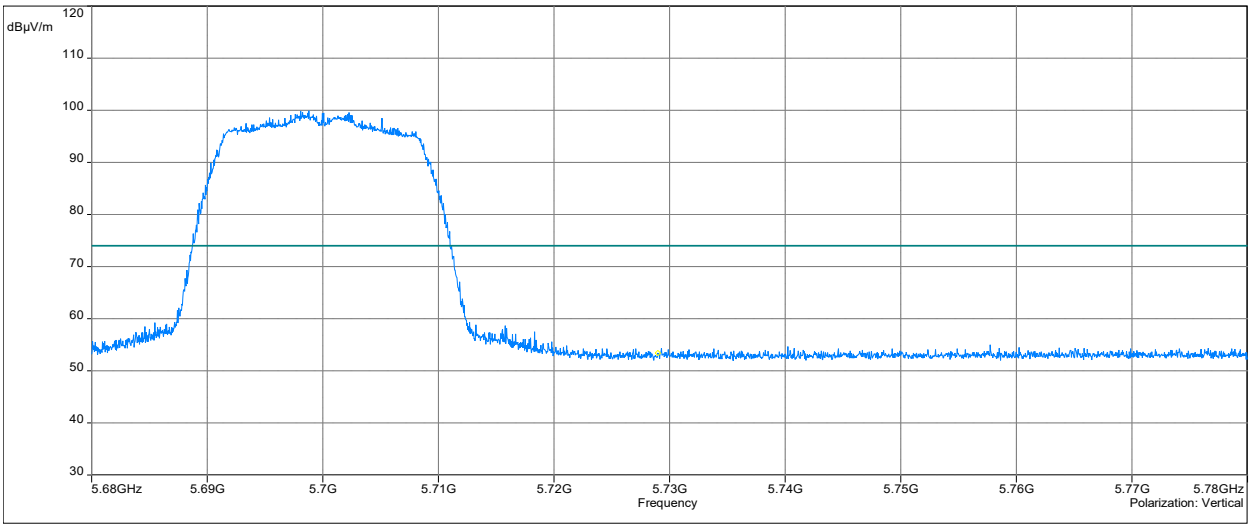
Average Detector



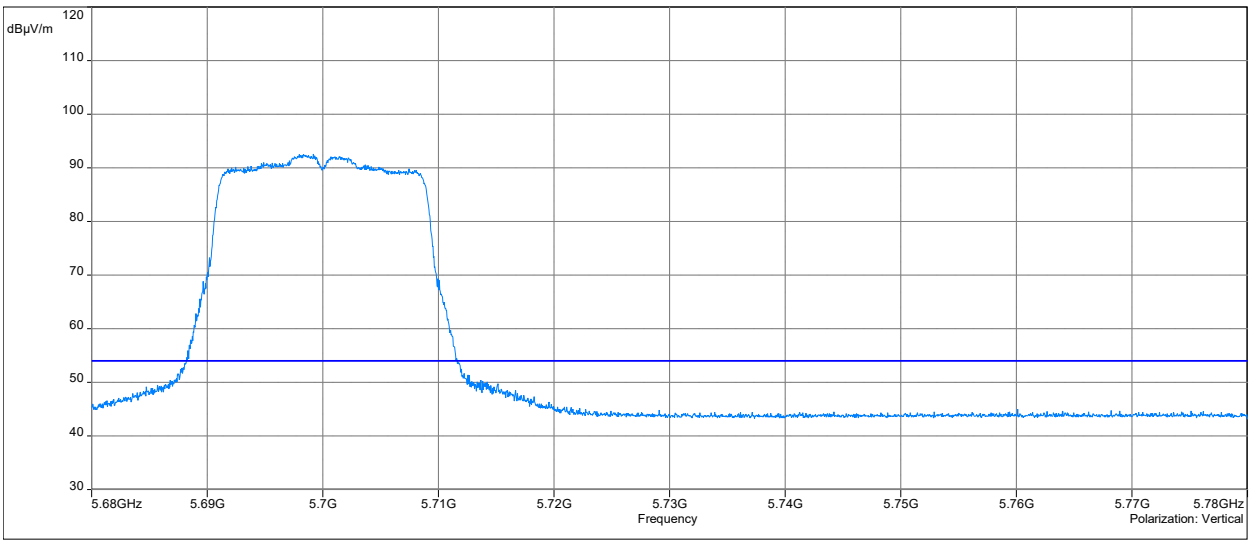
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5725.000	Peak	51.81	74	-22.19	2.00
5725.000	Average	43.16	54	-10.84	2.00

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (20MHz), 5700 MHz, Battery Mode

Peak Detector

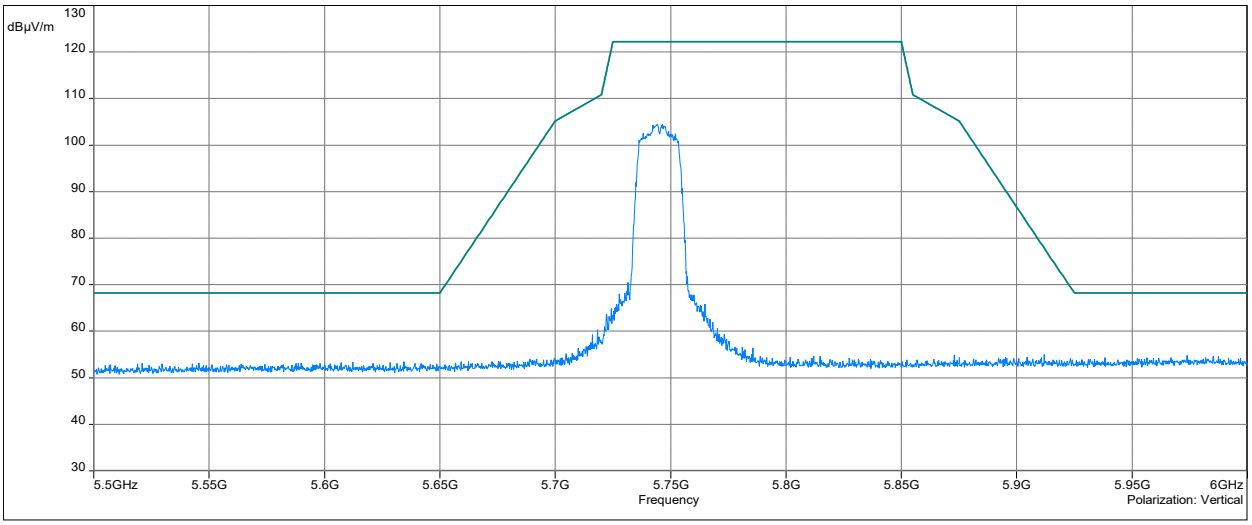


Average Detector

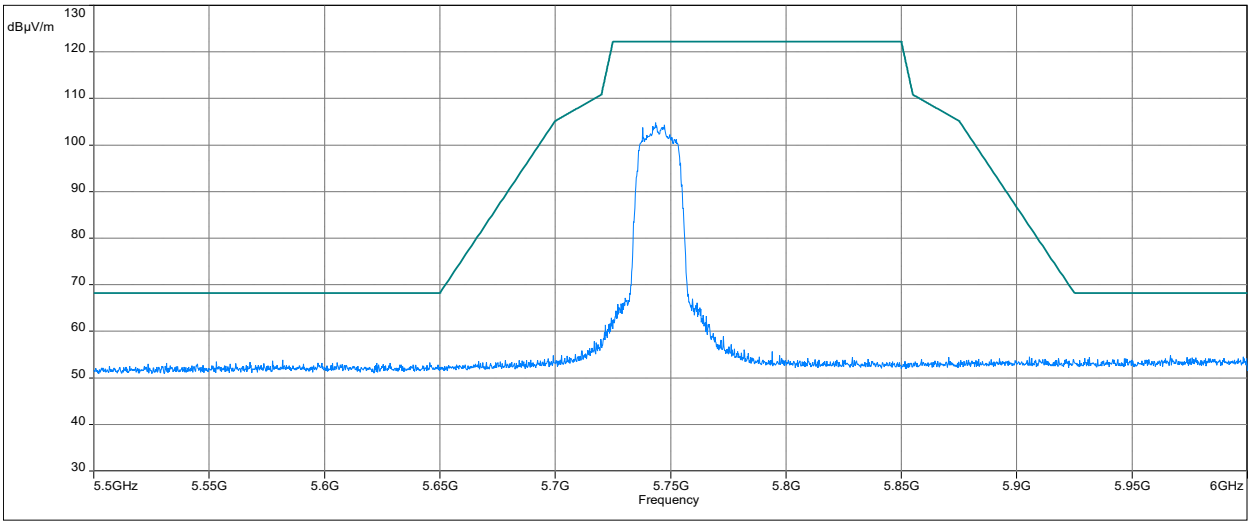


Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5725.000	Peak	53.40	74	-20.60	2.00
5725.000	Average	43.70	54	-10.30	2.00

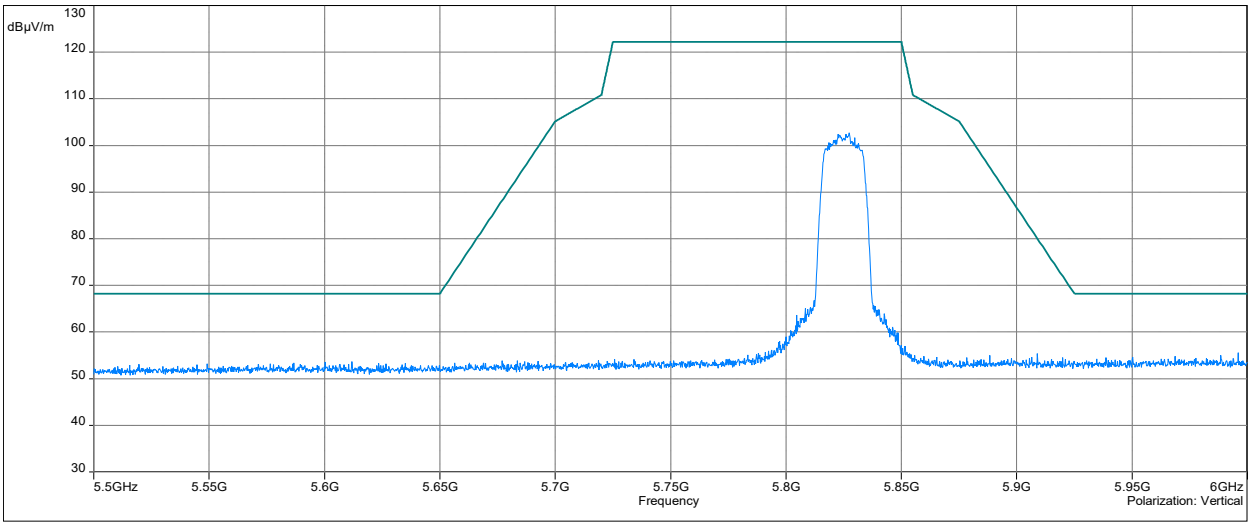
Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (20MHz), 5745 MHz, Charging Mode
Peak Detector



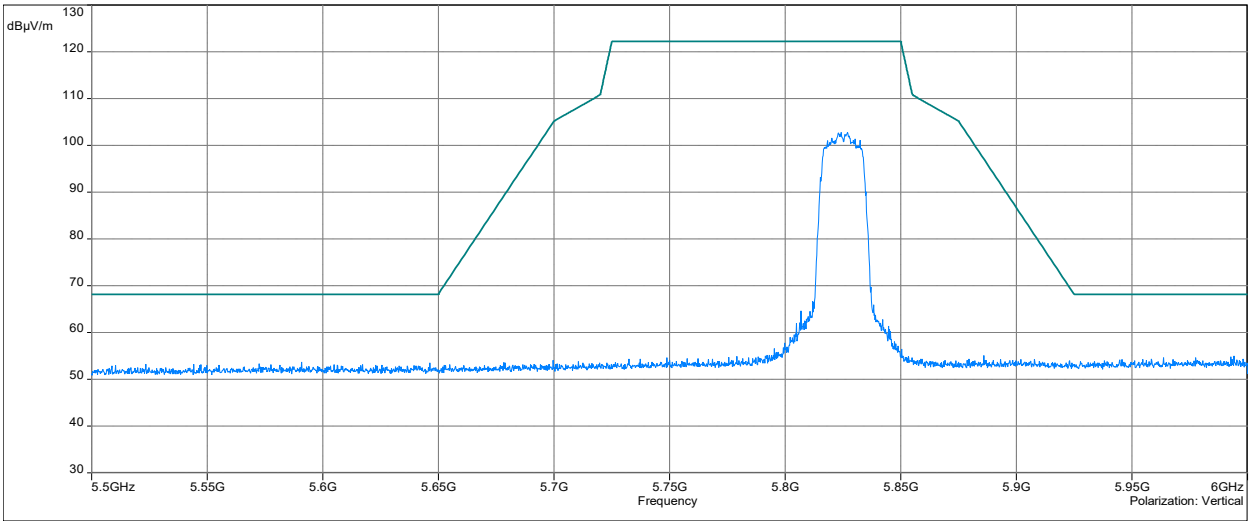
Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (20MHz), 5745 MHz, Battery Mode
Peak Detector



Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (20MHz), 5825 MHz, Charging Mode
Peak Detector

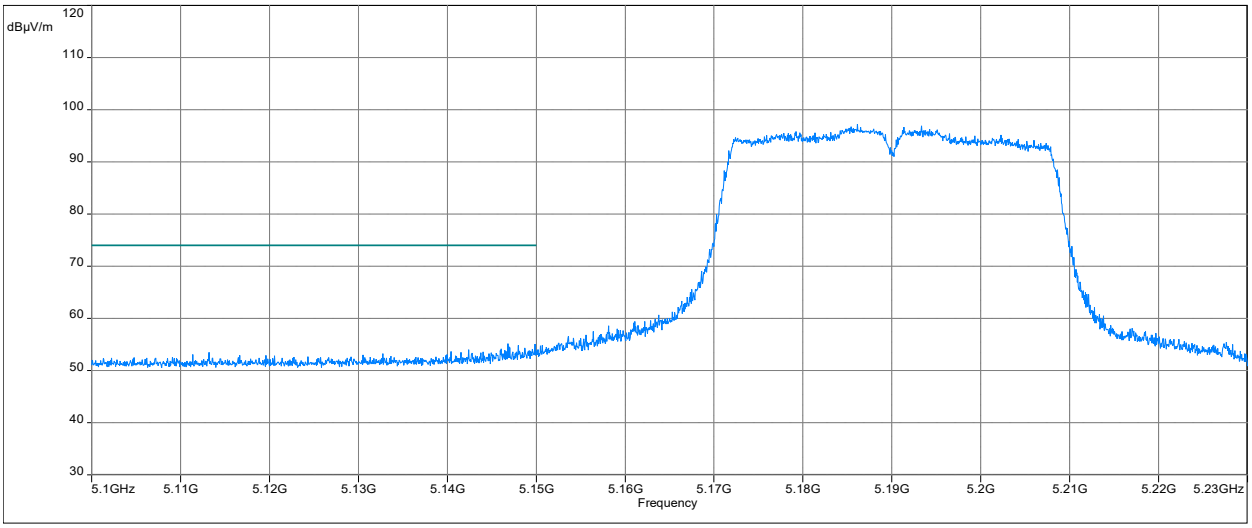


Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (20MHz), 5825 MHz, Battery Mode
Peak Detector

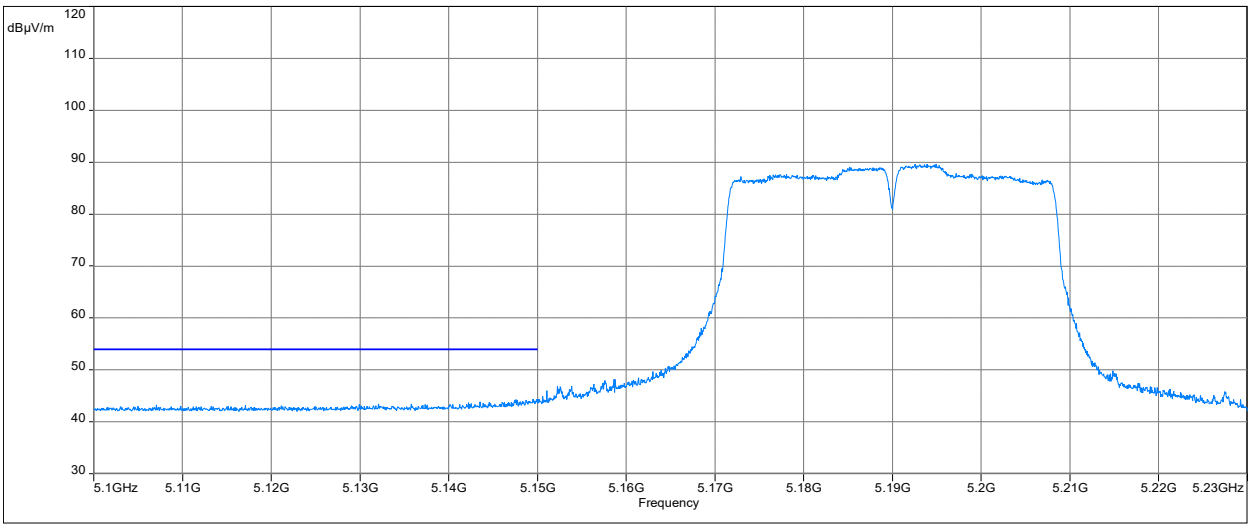


Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (40MHz), 5190 MHz, Charging Mode

Peak Detector



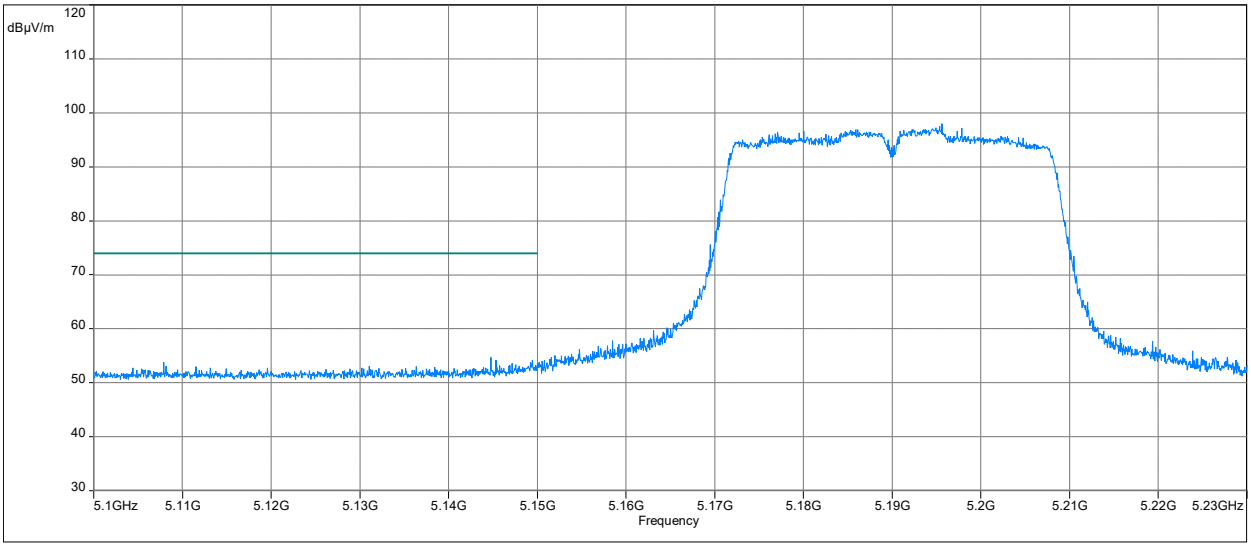
Average Detector



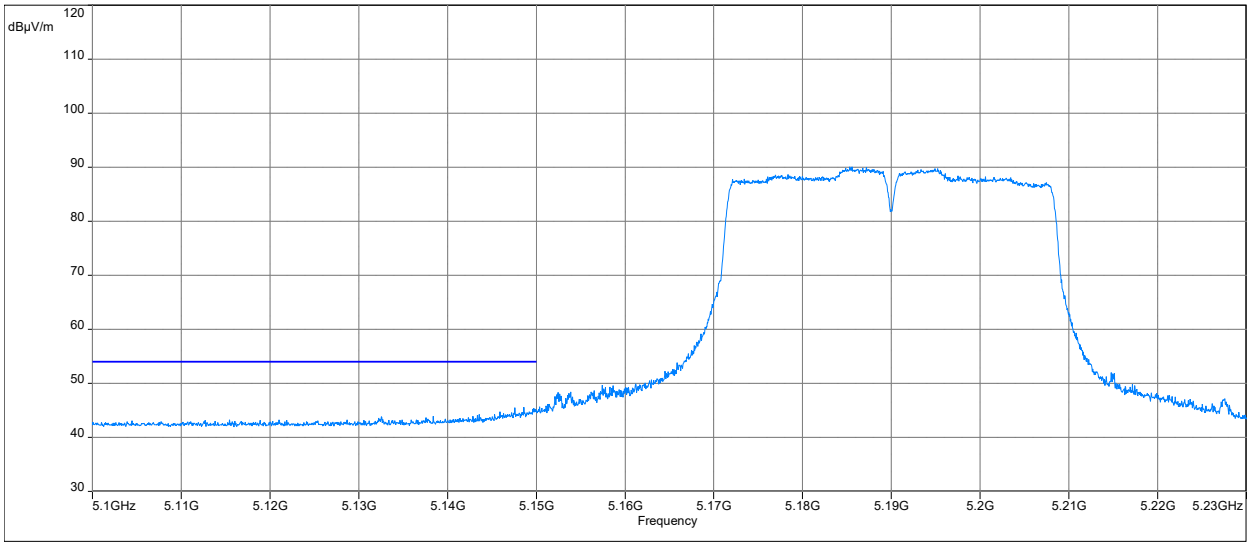
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5150.000	Peak	52.16	74	-21.84	0.98
5150.000	Average	43.19	54	-10.81	0.98

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (40MHz), 5190 MHz, Battery Mode

Peak Detector



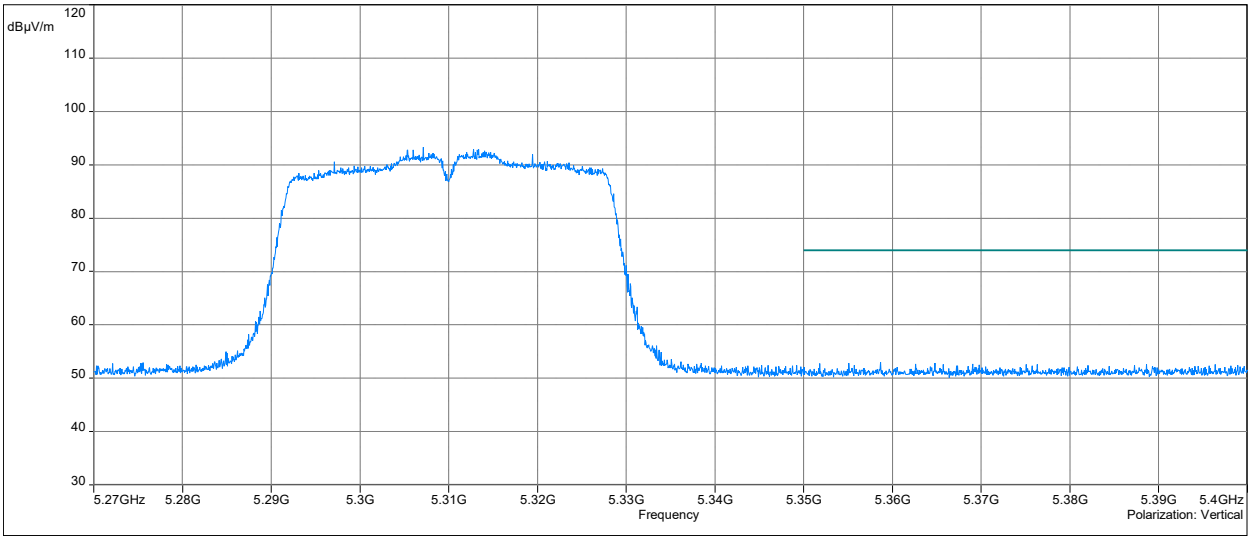
Average Detector



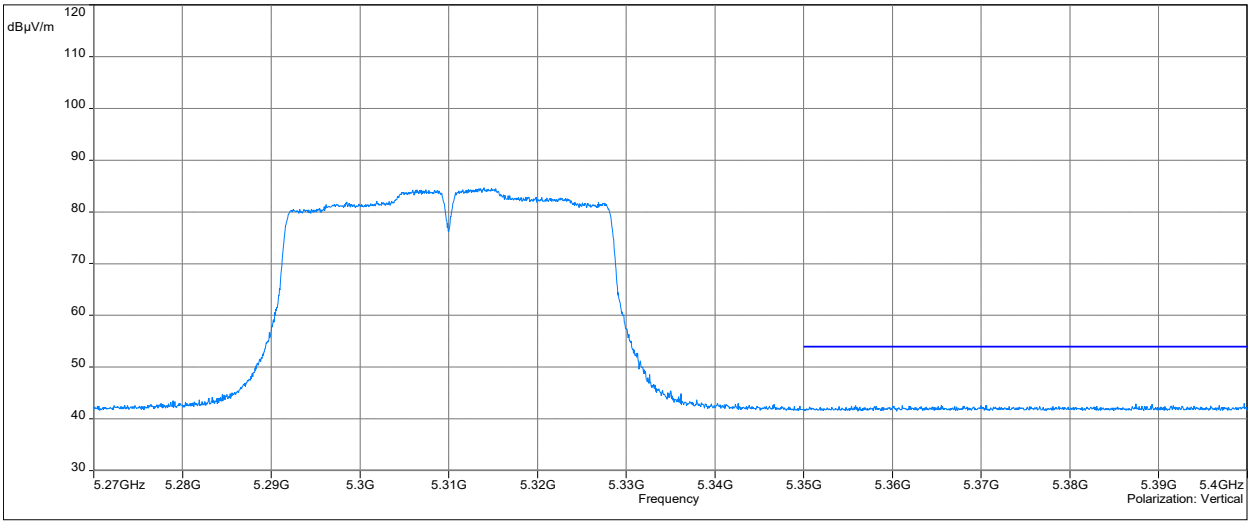
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5150.000	Peak	52.80	74	-21.20	0.98
5150.000	Average	44.48	54	-9.52	0.98

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (40MHz), 5310 MHz, Charging Mode

Peak Detector



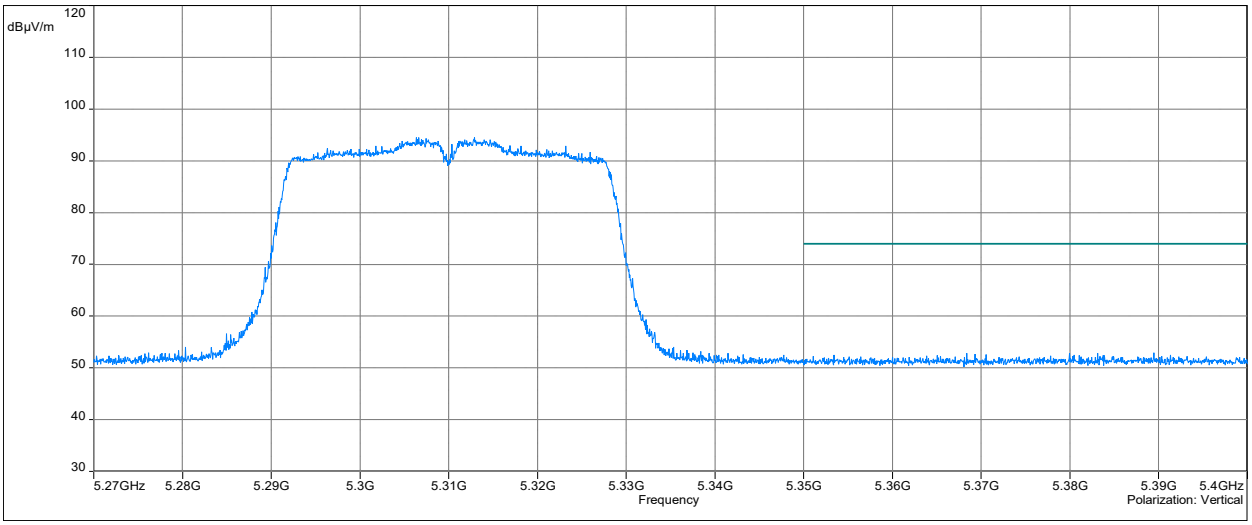
Average Detector



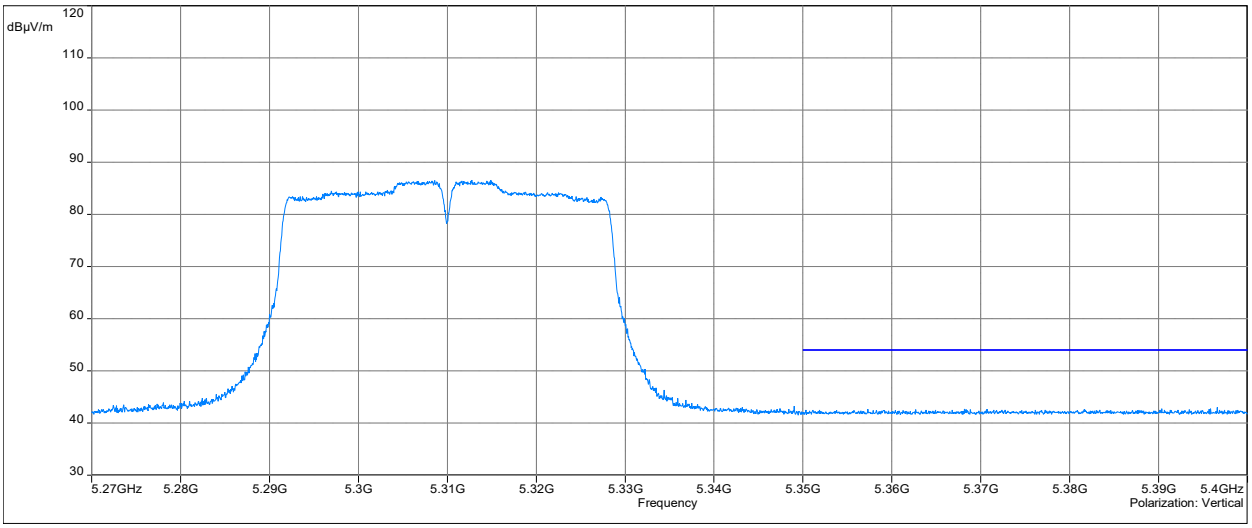
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5350.000	Peak	50.00	74	-24.00	0.46
5350.000	Average	41.13	54	-12.87	0.46

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (40MHz), 5310 MHz, Battery Mode

Peak Detector



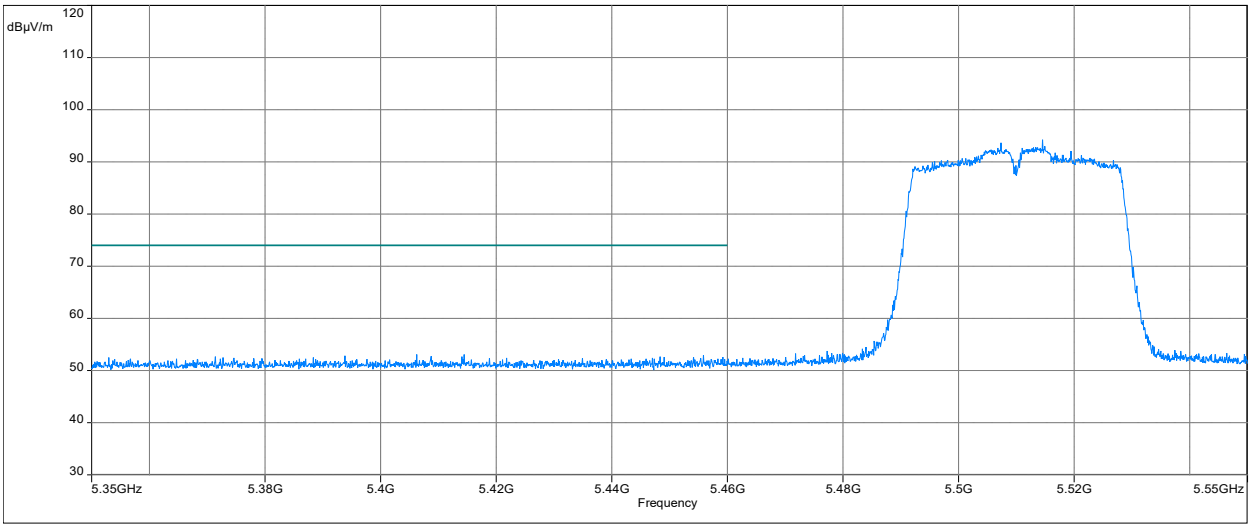
Average Detector



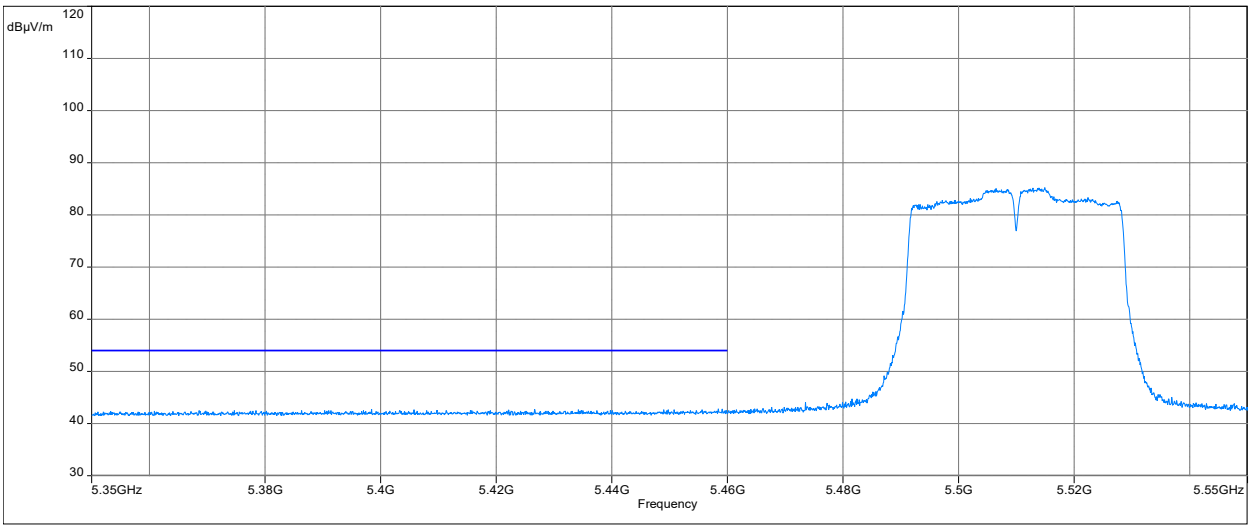
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5350.000	Peak	50.23	74	-23.77	0.46
5350.000	Average	41.52	54	-12.48	0.46

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (40MHz), 5510 MHz, Charging Mode

Peak Detector



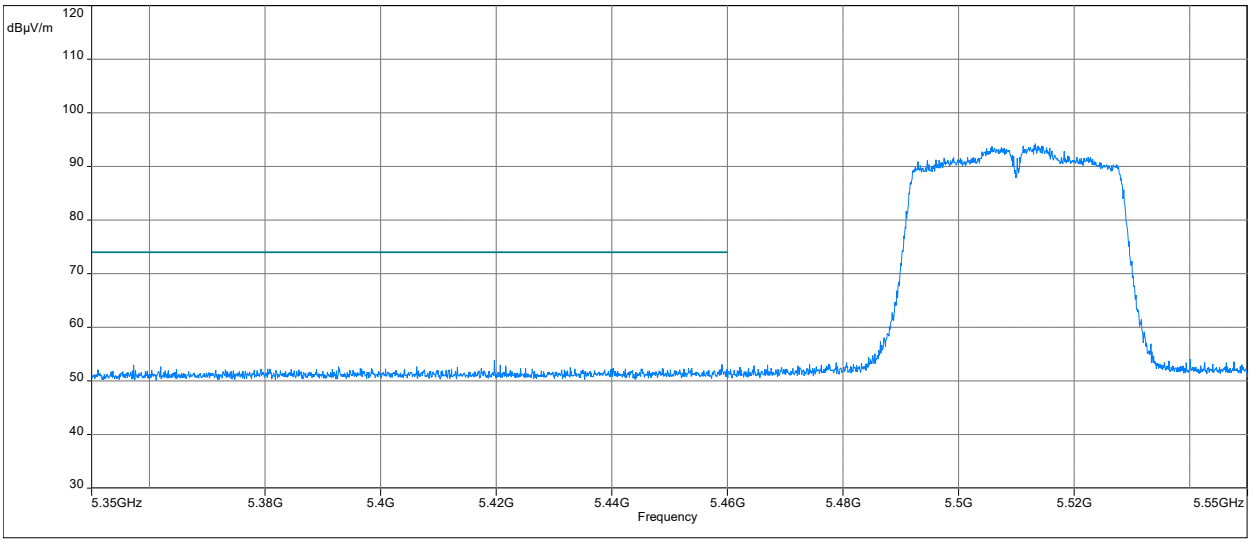
Average Detector



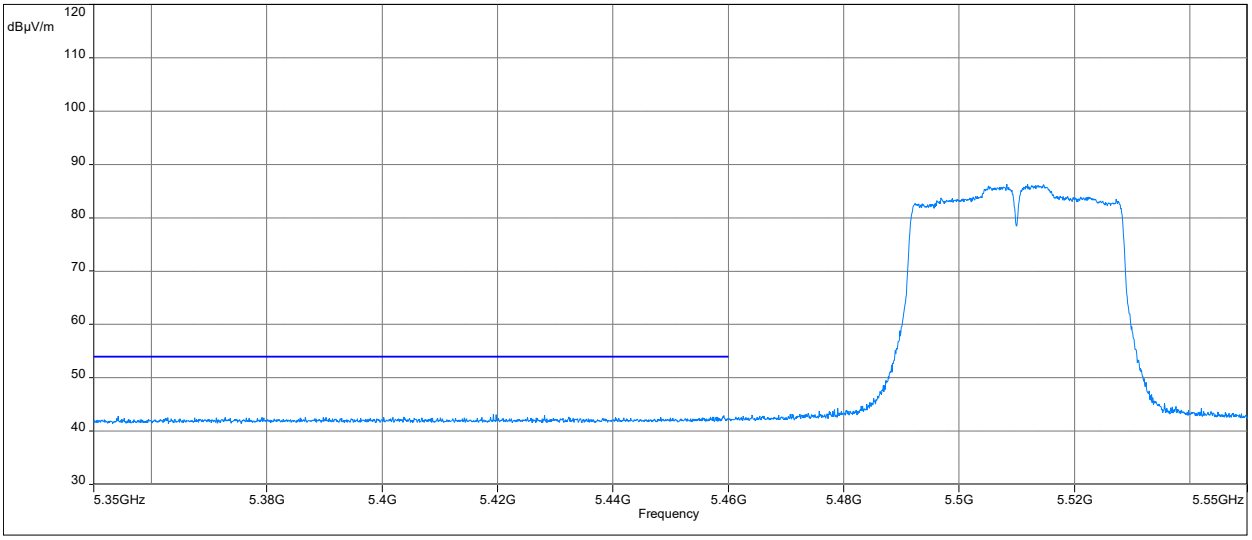
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5460.000	Peak	50.91	74	-23.09	0.63
5460.000	Average	41.66	54	-12.34	0.63

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (40MHz), 5510 MHz, Battery Mode

Peak Detector

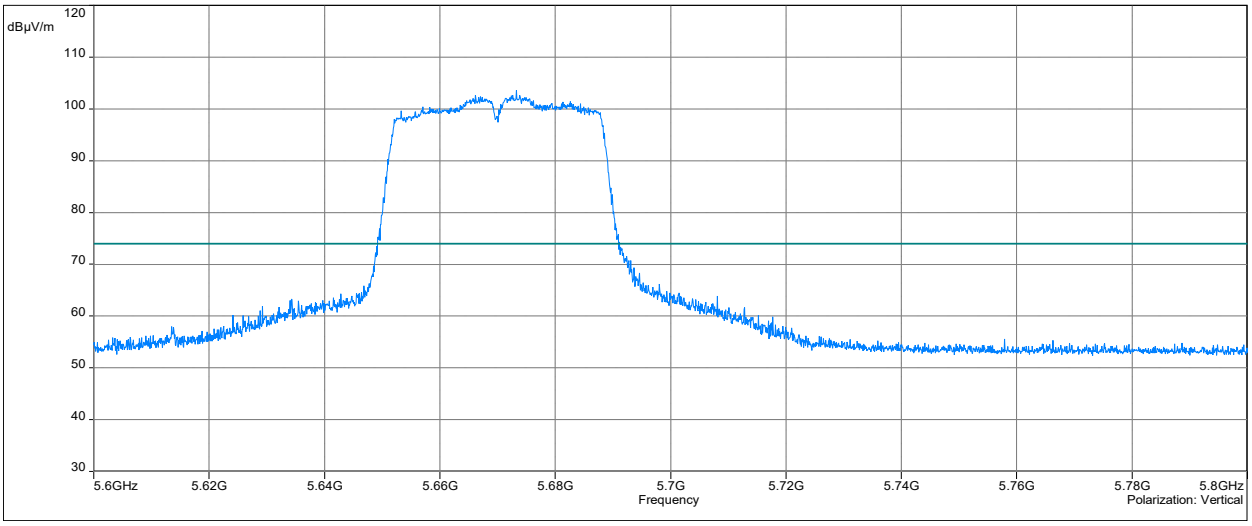


Average Detector



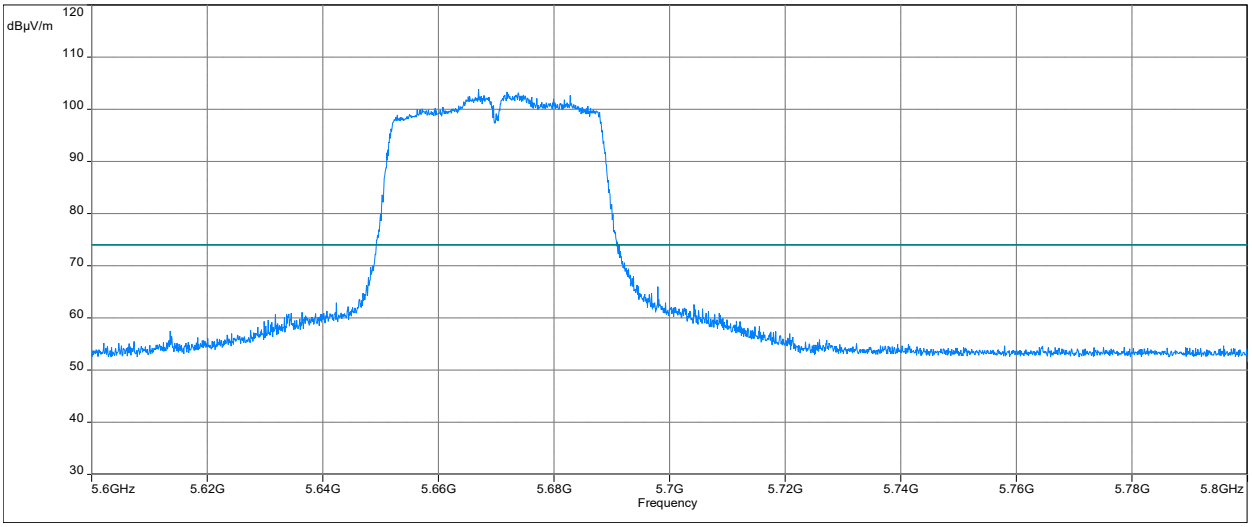
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5460.000	Peak	49.81	74	-24.19	0.63
5460.000	Average	41.56	54	-12.44	0.63

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (40MHz), 5670 MHz, Charging Mode
Peak Detector



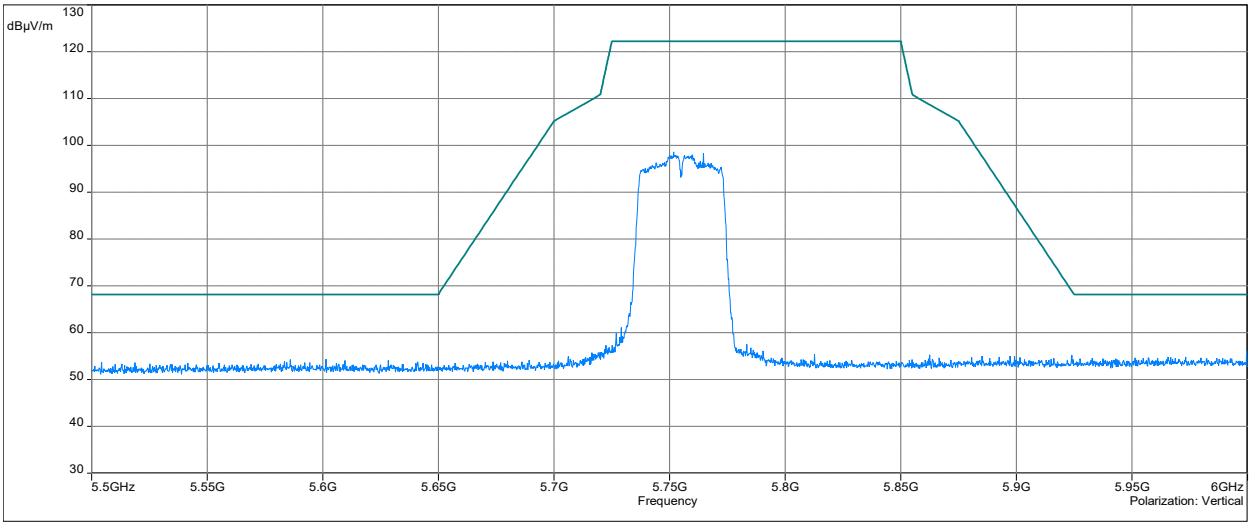
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5725.000	Peak	53.36	74	-20.64	2.28

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (40MHz), 5670 MHz, Battery Mode
Peak Detector

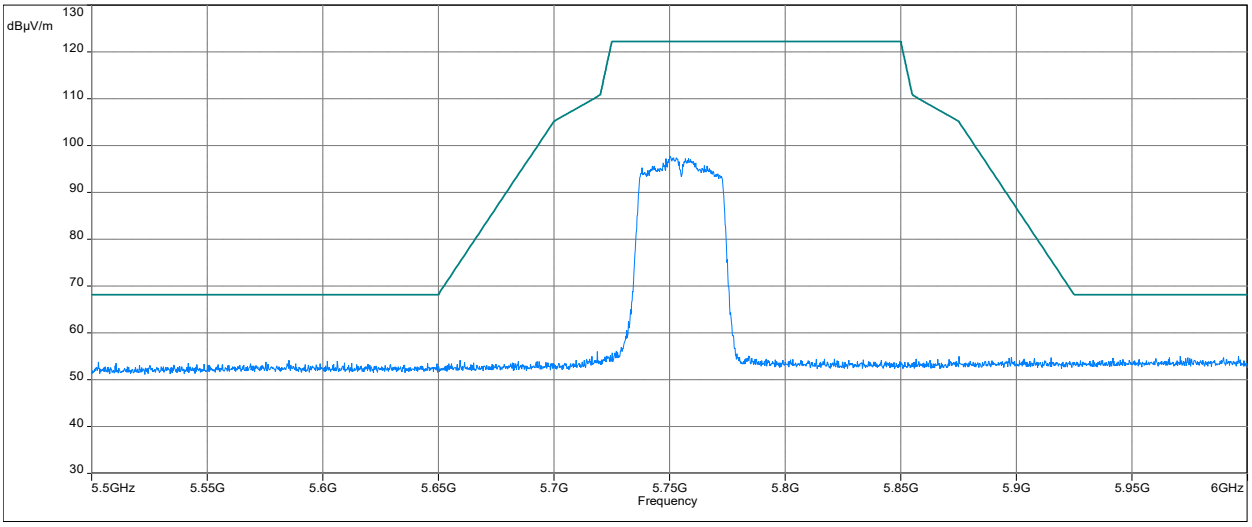


Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5725.000	Peak	52.24	54	-21.76	2.28

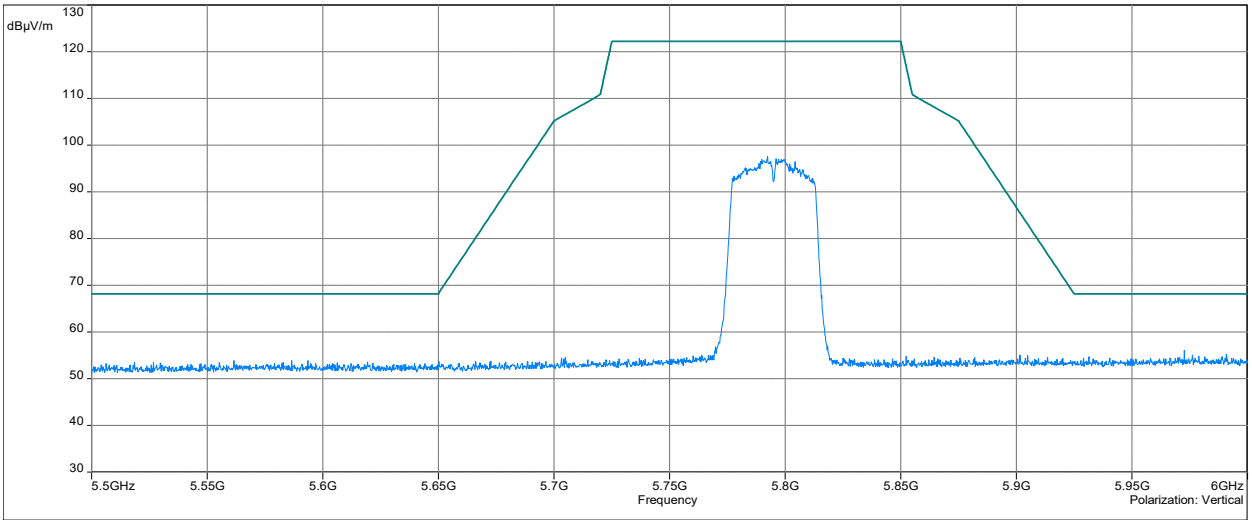
Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (40MHz), 5755 MHz, Charging Mode
Peak Detector



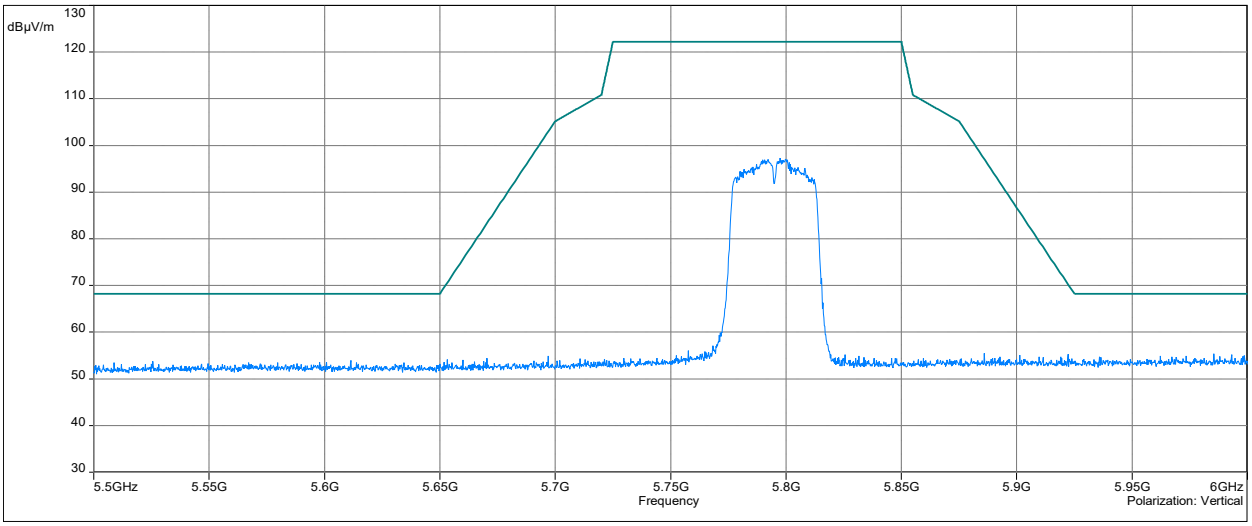
Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (40MHz), 5755 MHz, Battery Mode
Peak Detector



Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (40MHz), 5795 MHz, Charging Mode
Peak Detector

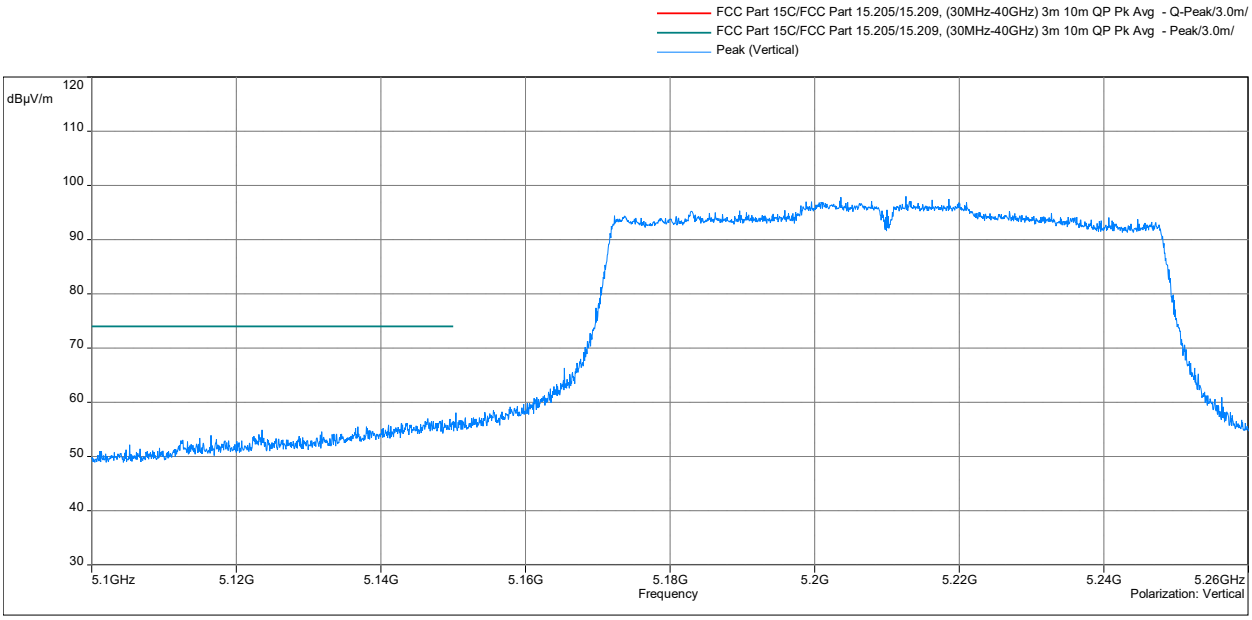


Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11n/ac (40MHz), 5795 MHz, Battery Mode
Peak Detector

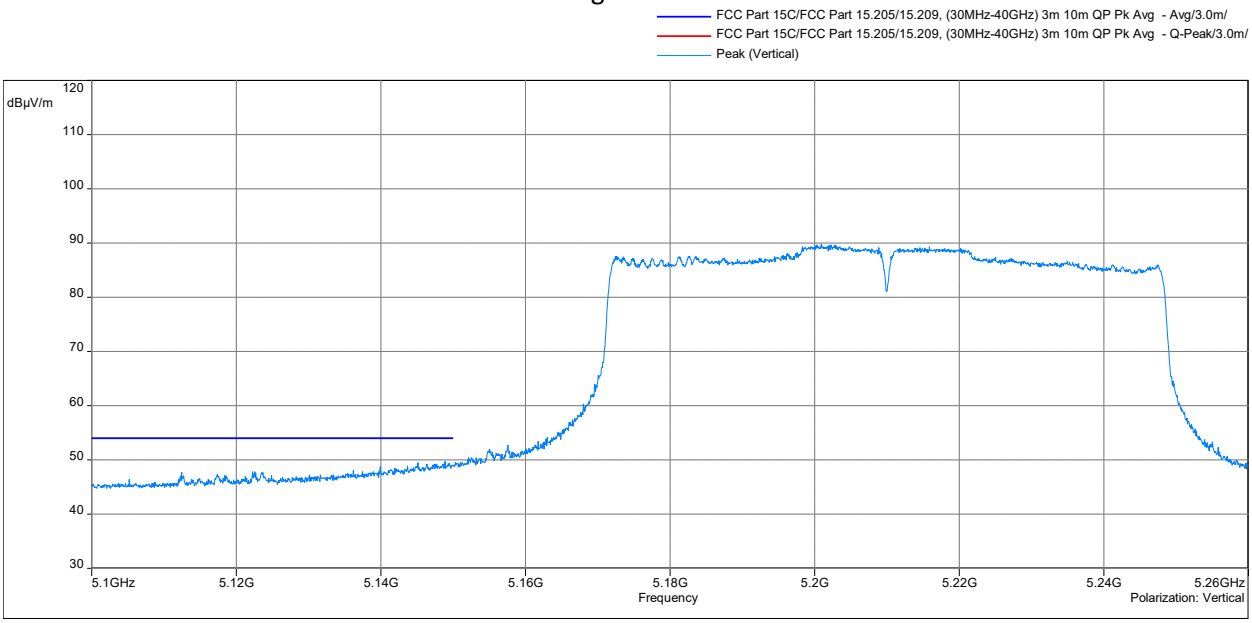


Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ac (80MHz), 5210 MHz, Charging Mode

Peak Detector



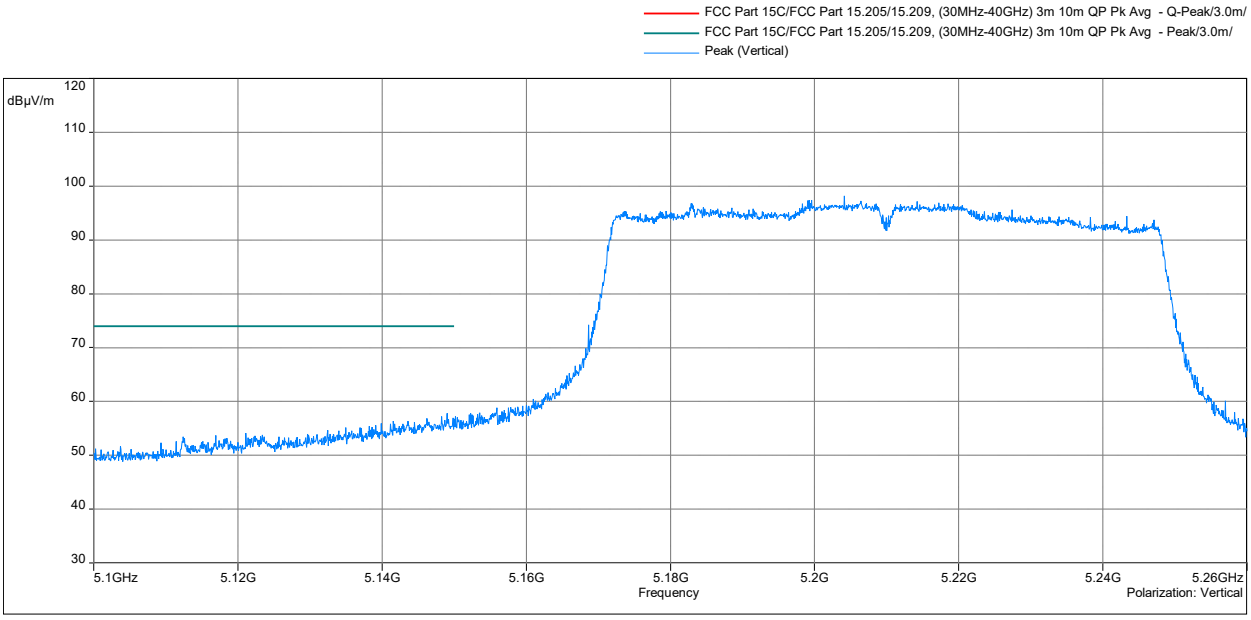
Average Detector



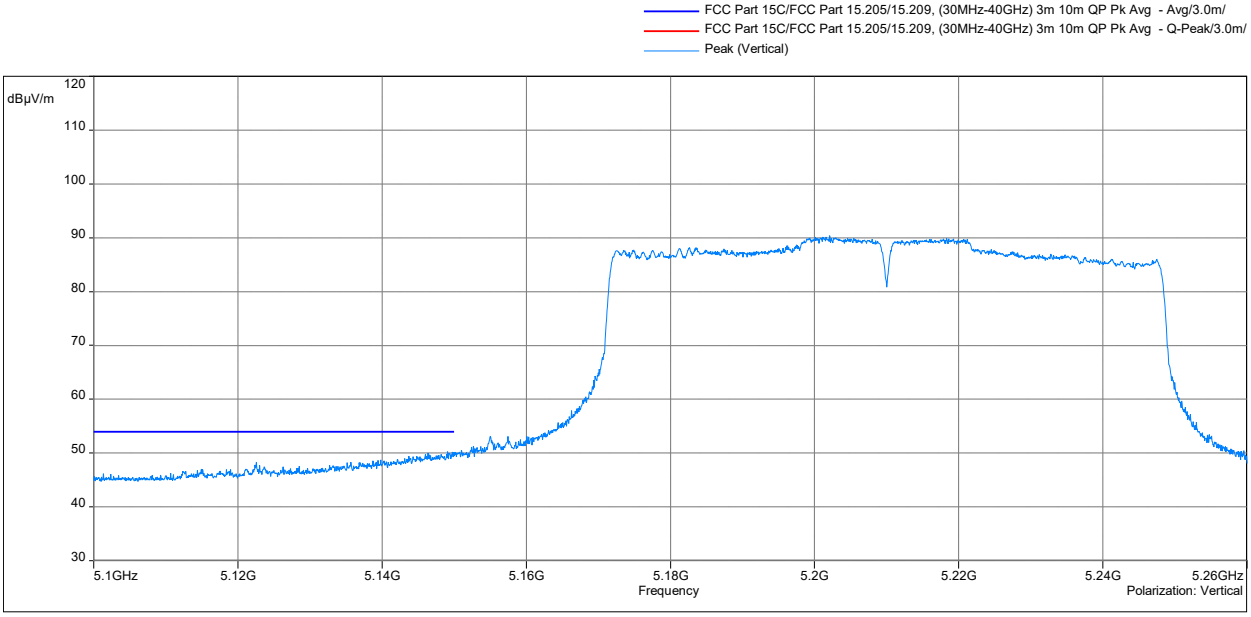
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5150.000	Peak	59.21	74	-14.79	36.71
5150.000	Average	48.16	54	-5.84	36.71

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ac (80MHz), 5210 MHz, Battery Mode

Peak Detector



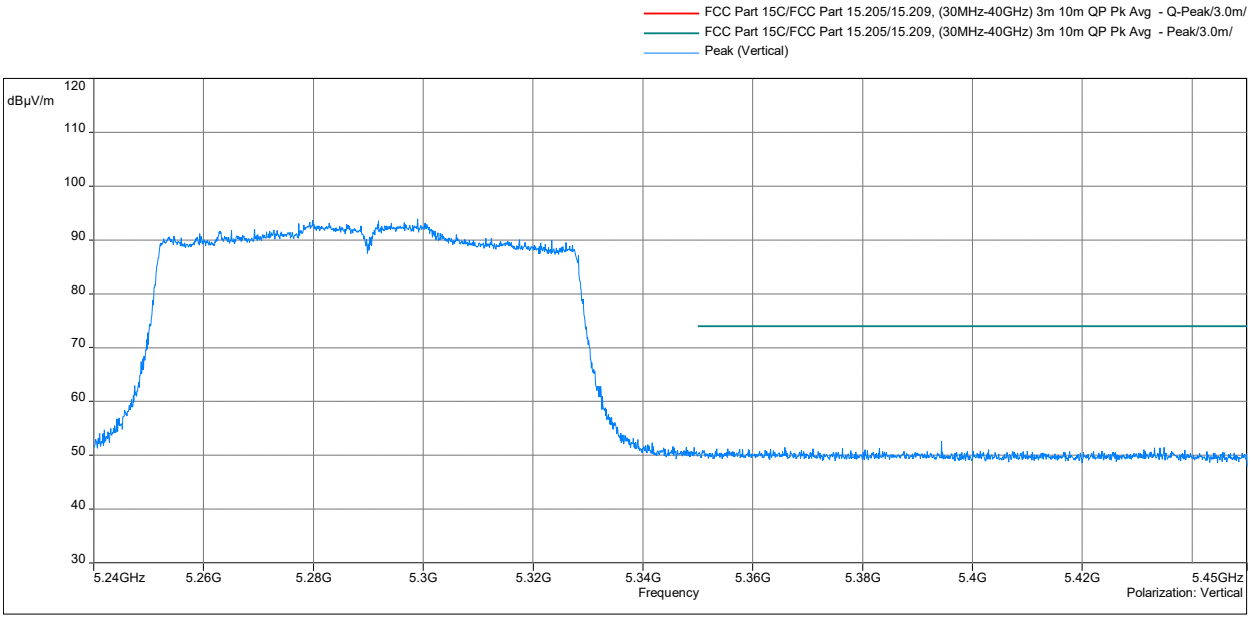
Average Detector



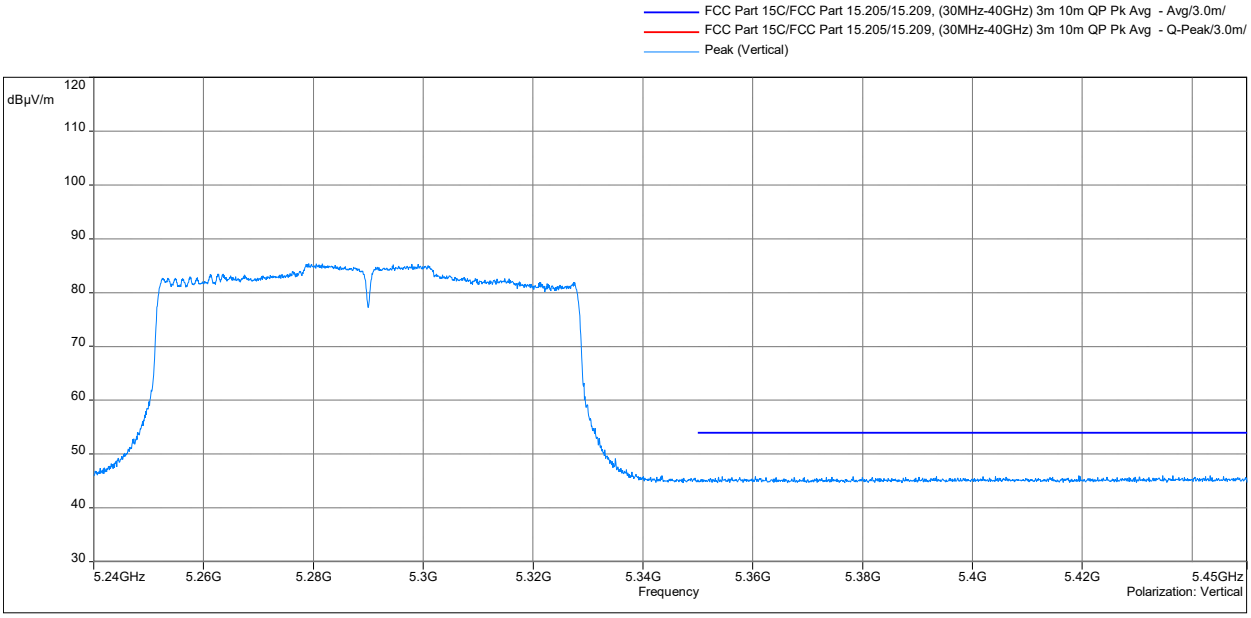
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5150.000	Peak	57.83	74	-16.17	36.71
5150.000	Average	48.51	54	-5.49	36.71

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ac (80MHz), 5290 MHz, Charging Mode

Peak Detector



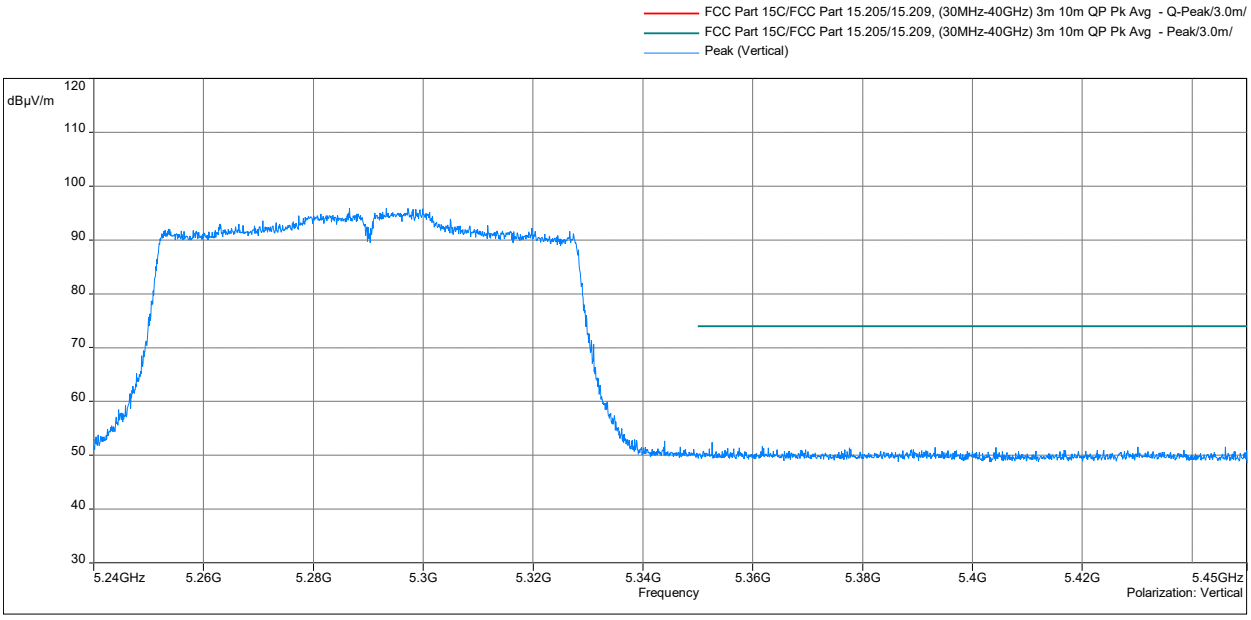
Average Detector



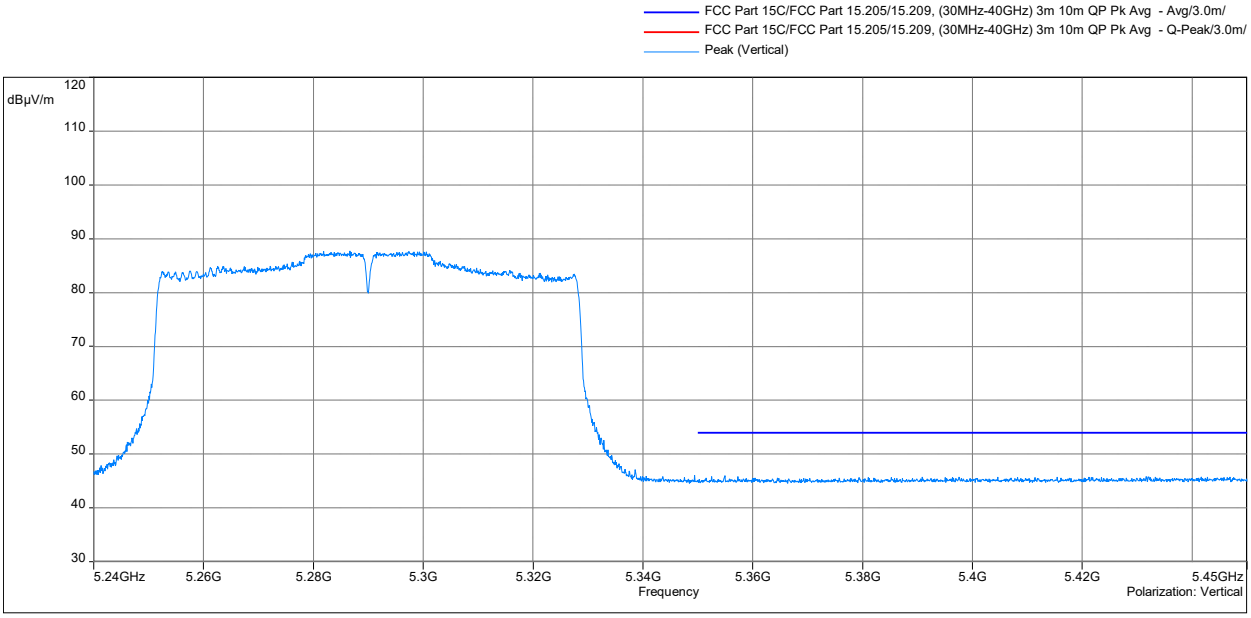
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5350.000	Peak	51.45	74	-22.55	36.62
5350.000	Average	45.29	54	-8.71	36.62

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ac (80MHz), 5290 MHz, Battery Mode

Peak Detector



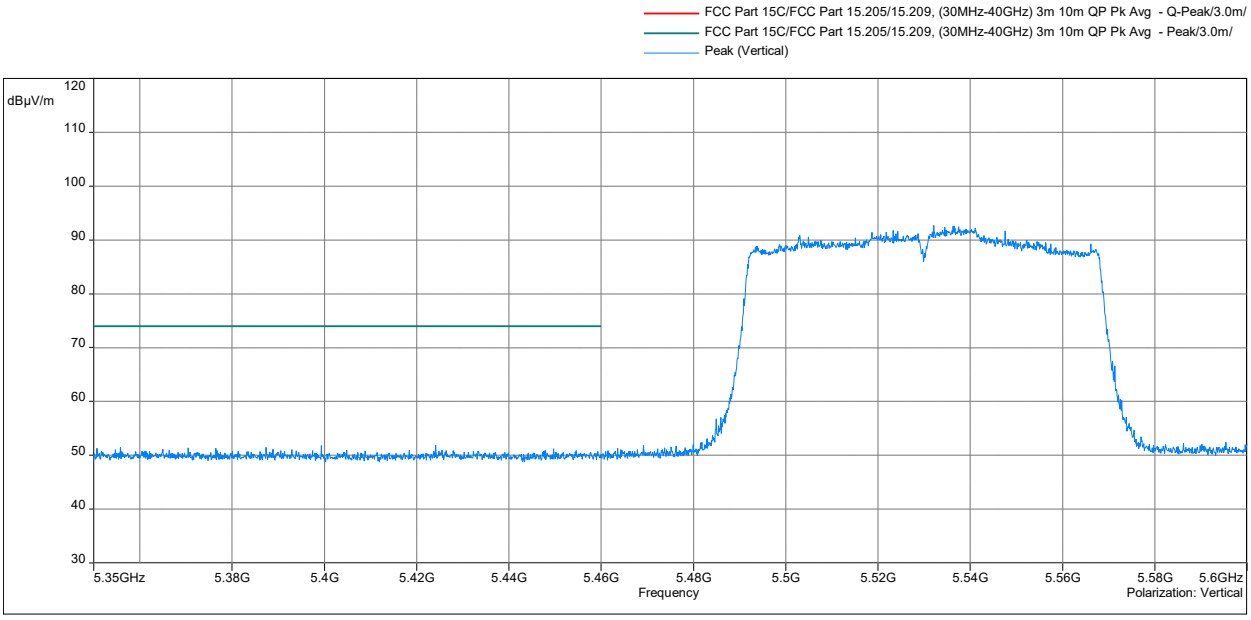
Average Detector



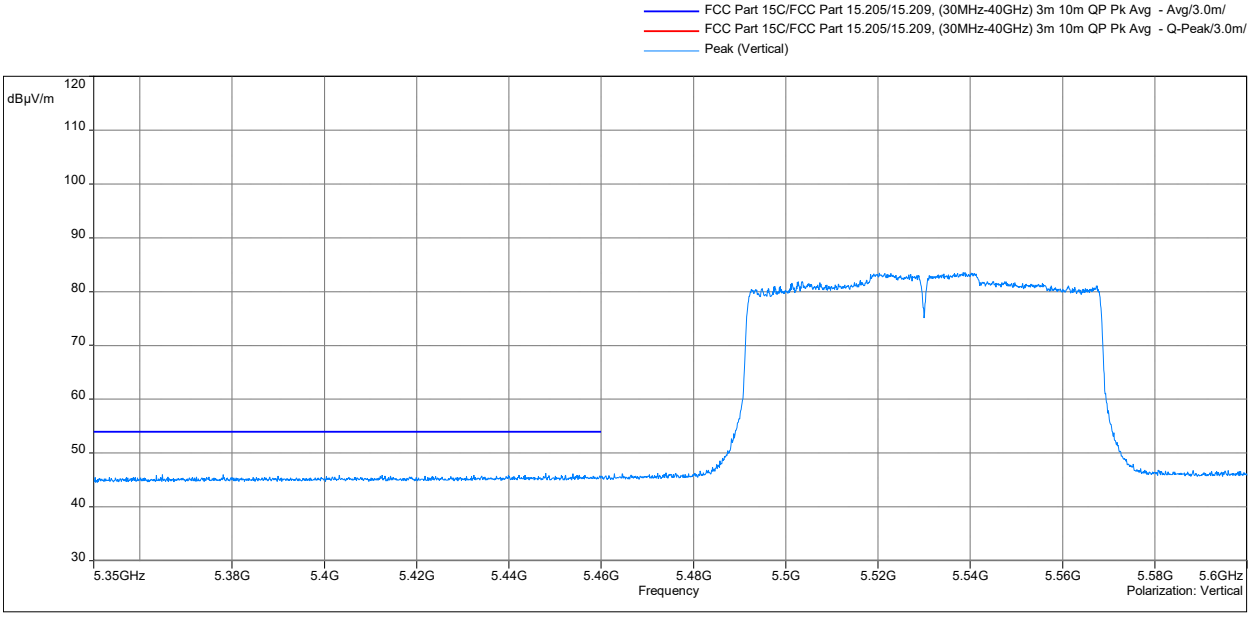
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5350.000	Peak	52.39	74	-21.61	36.62
5350.000	Average	44.31	54	-9.69	36.62

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ac (80MHz), 5530 MHz, Charging Mode

Peak Detector



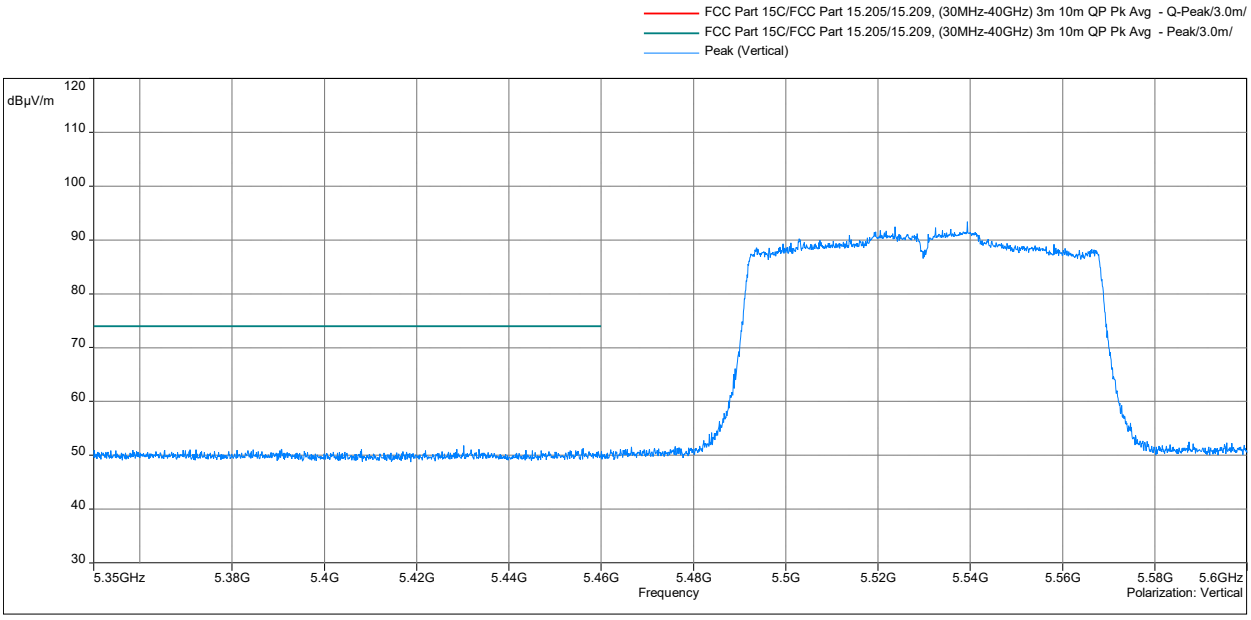
Average Detector



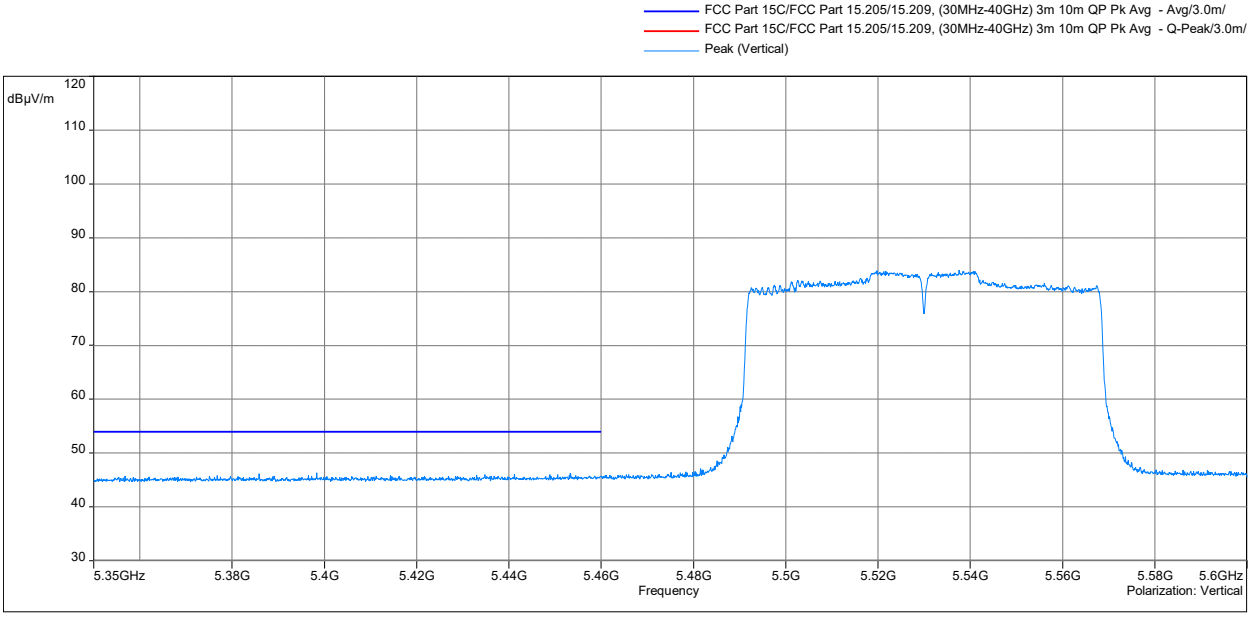
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5460.000	Peak	48.39	74	-25.61	36.84
5460.000	Average	45.72	54	-8.28	36.84

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ac (80MHz), 5530 MHz, Battery Mode

Peak Detector



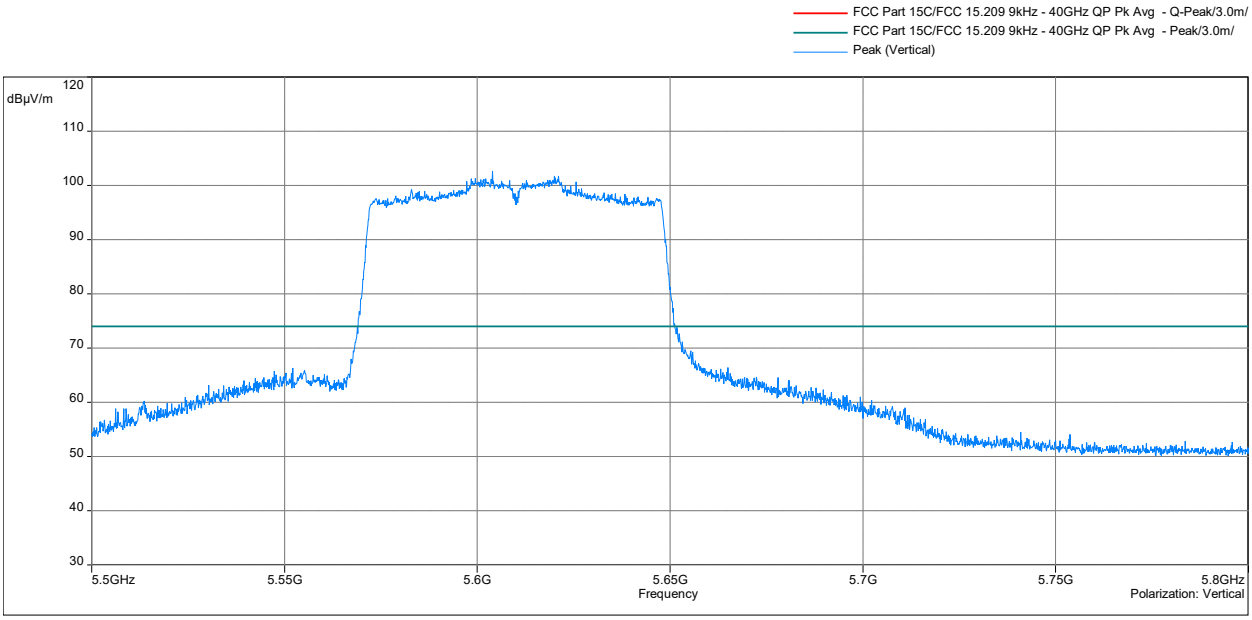
Average Detector



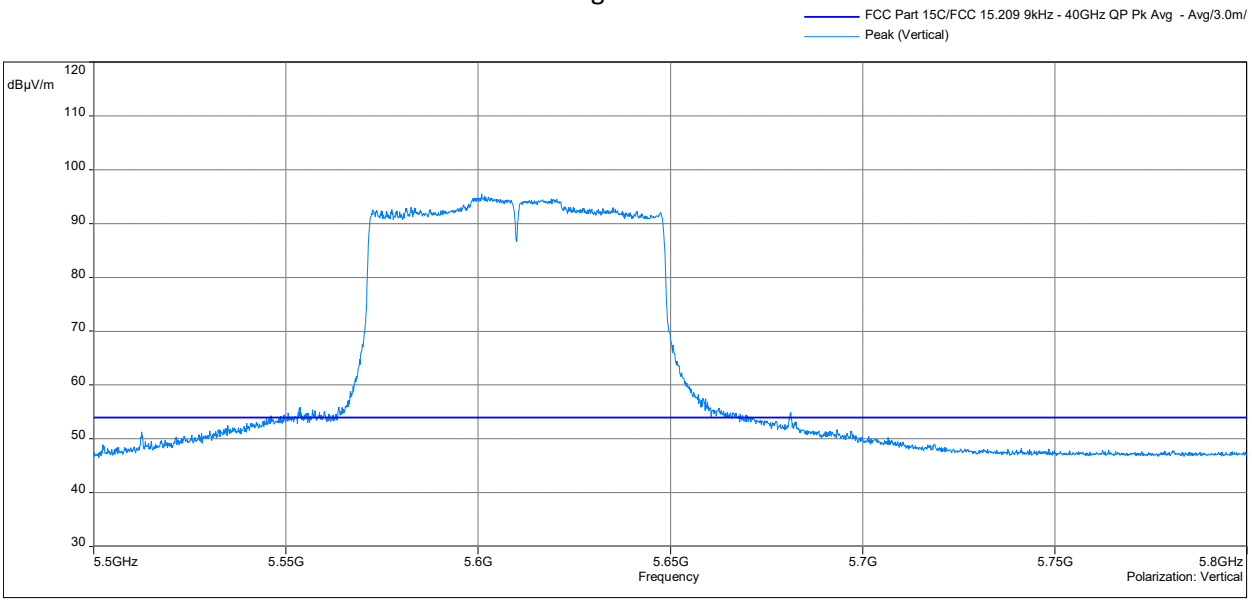
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5460.000	Peak	51.35	74	-22.88	36.84
5460.000	Average	45.10	54	-8.90	36.84

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ac (80MHz), 5610 MHz, Charging Mode

Peak Detector



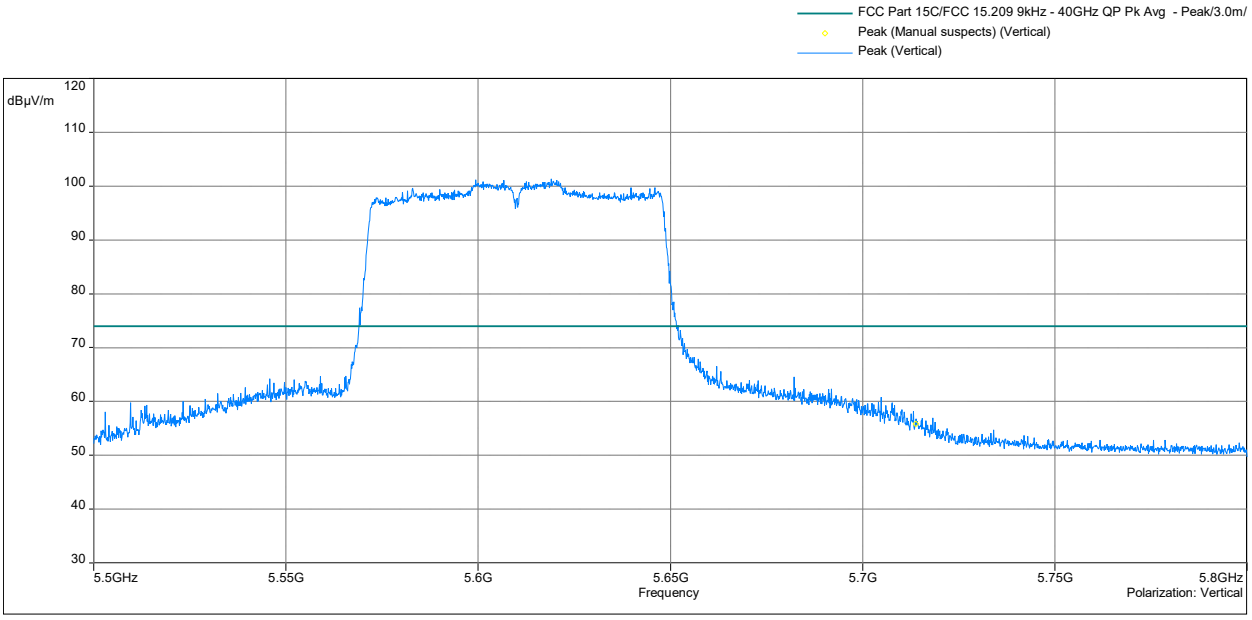
Average Detector



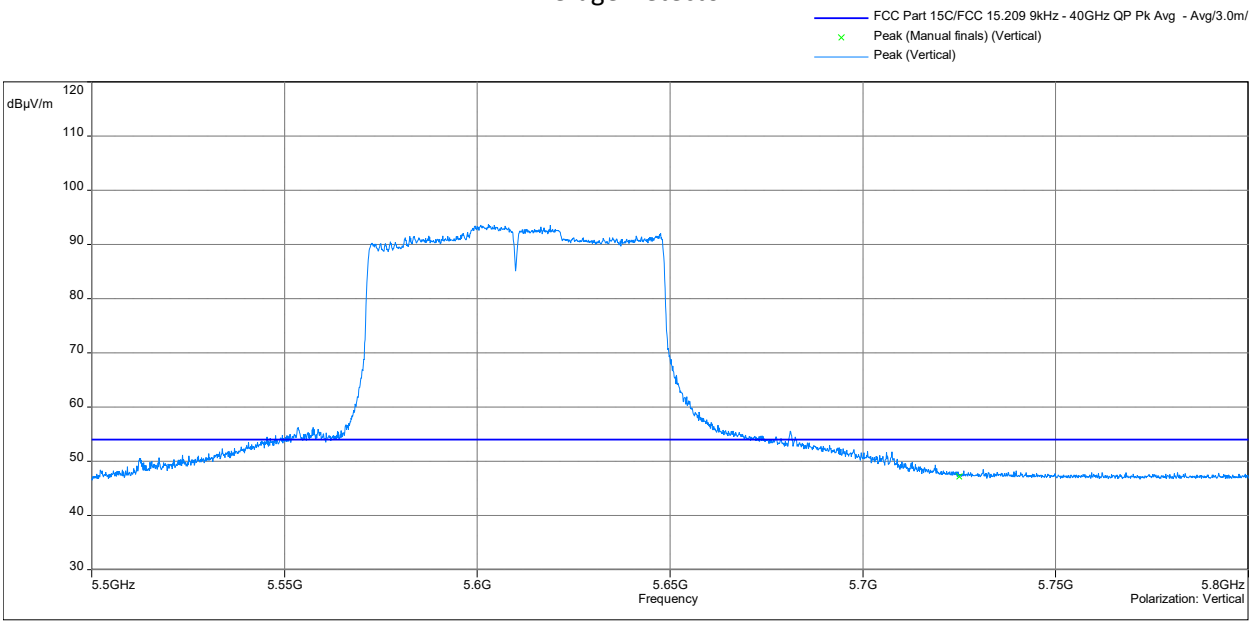
Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5725.000	Peak	50.76	74	-23.24	38.13
5725.000	Average	47.39	54	-6.61	38.13

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ac (80MHz), 5610 MHz, Battery Mode

Peak Detector

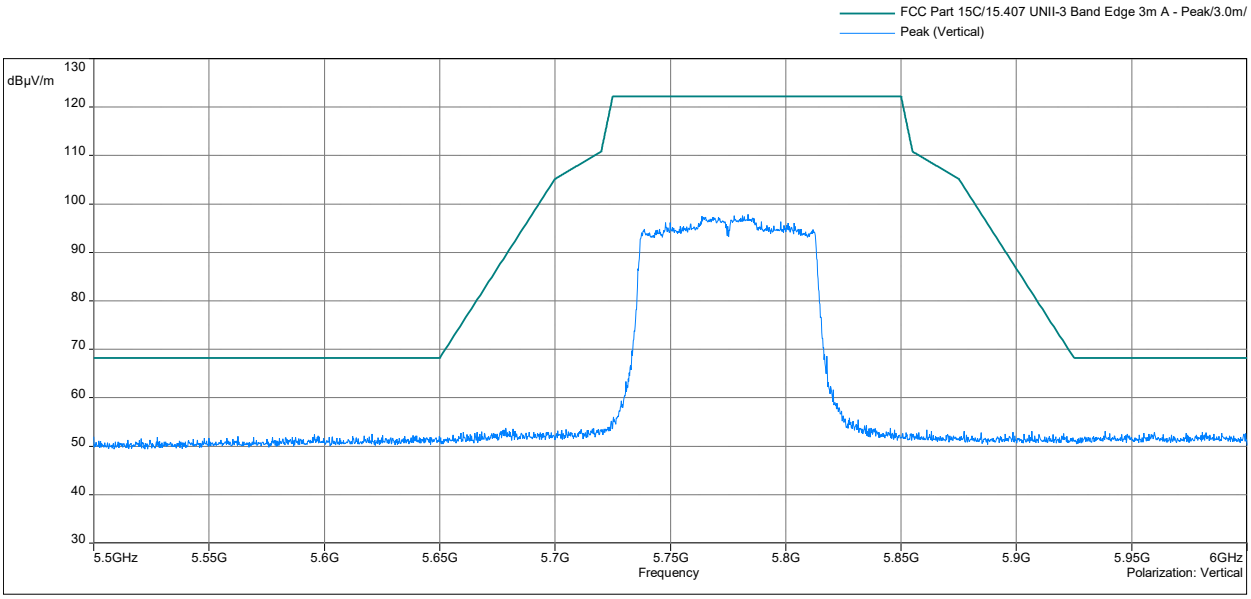


Average Detector

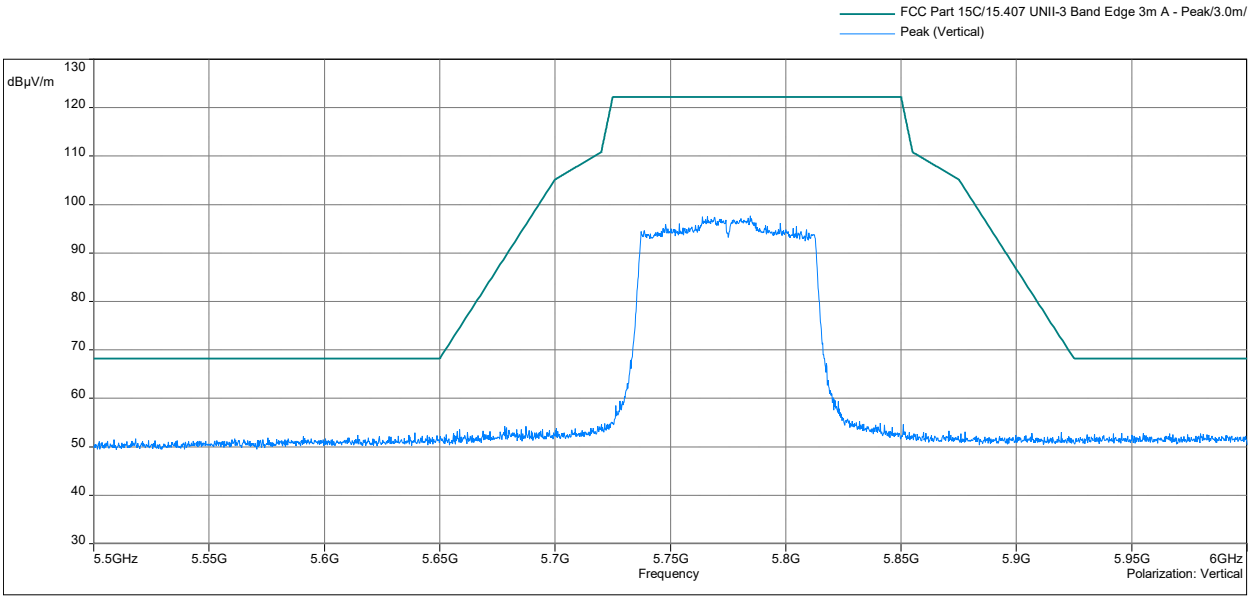


Freq. (MHz)	Detector Mode (Peak/Average)	FS (dBµV/m)	PK/AV Limit (dBµV/m)	Margin (dB)	Correction (dB)
5725.000	Peak	50.83	74	-23.83	38.13
5725.000	Average	47.21	54	-6.79	38.13

Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ac (80MHz), 5775 MHz, Charging Mode
Peak Detector



Out-of-Band Radiated spurious emissions at the Band-edge @3m distance
802.11ac (80MHz), 5775 MHz, Battery Mode
Peak Detector

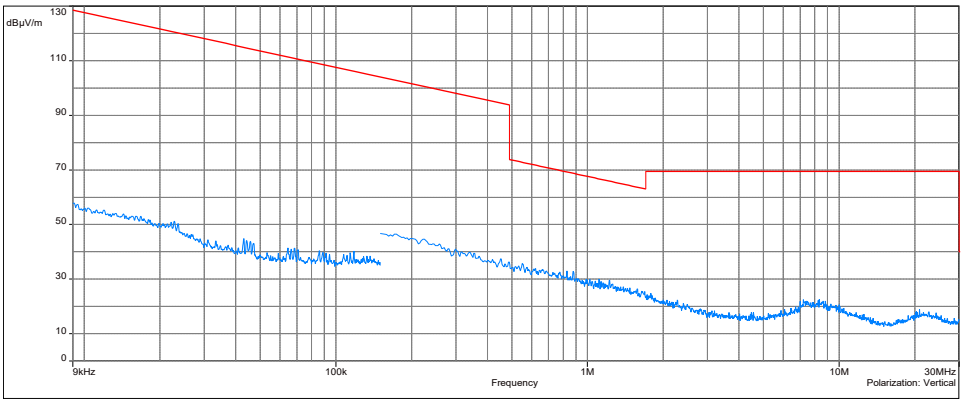


Out-of-Band Radiated Spurious Emissions

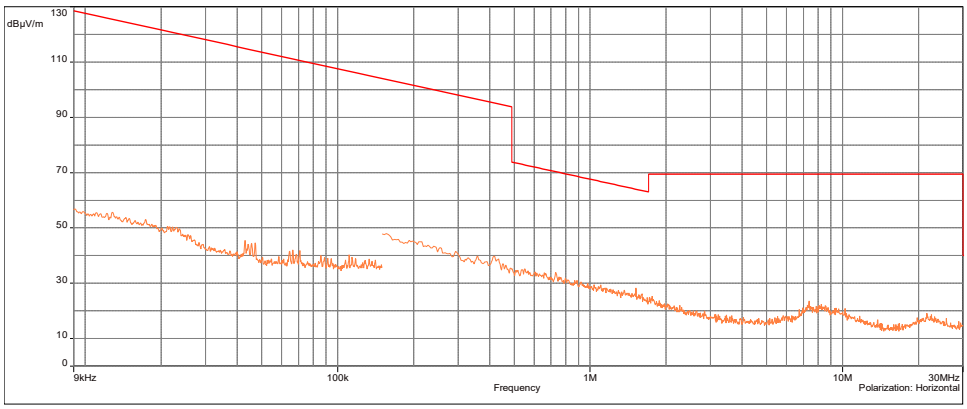
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5180MHz, Charging Mode

Worst case Radiated Spurious Emissions 9 kHz to 30 MHz

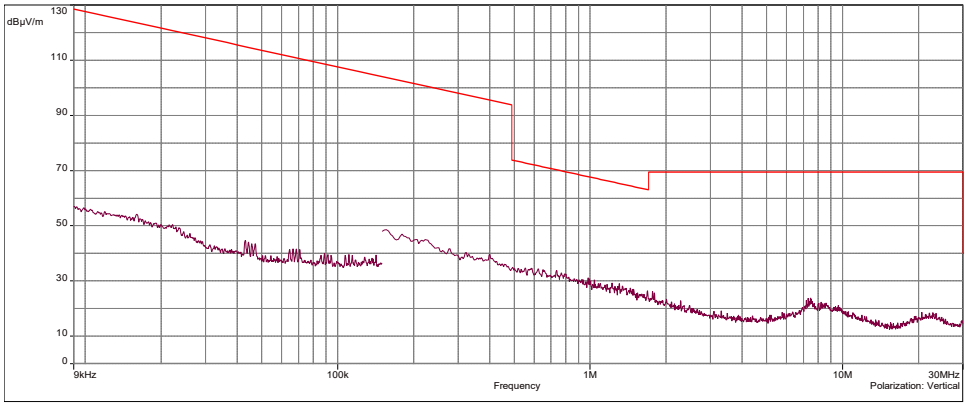
Antenna Position - Coaxial



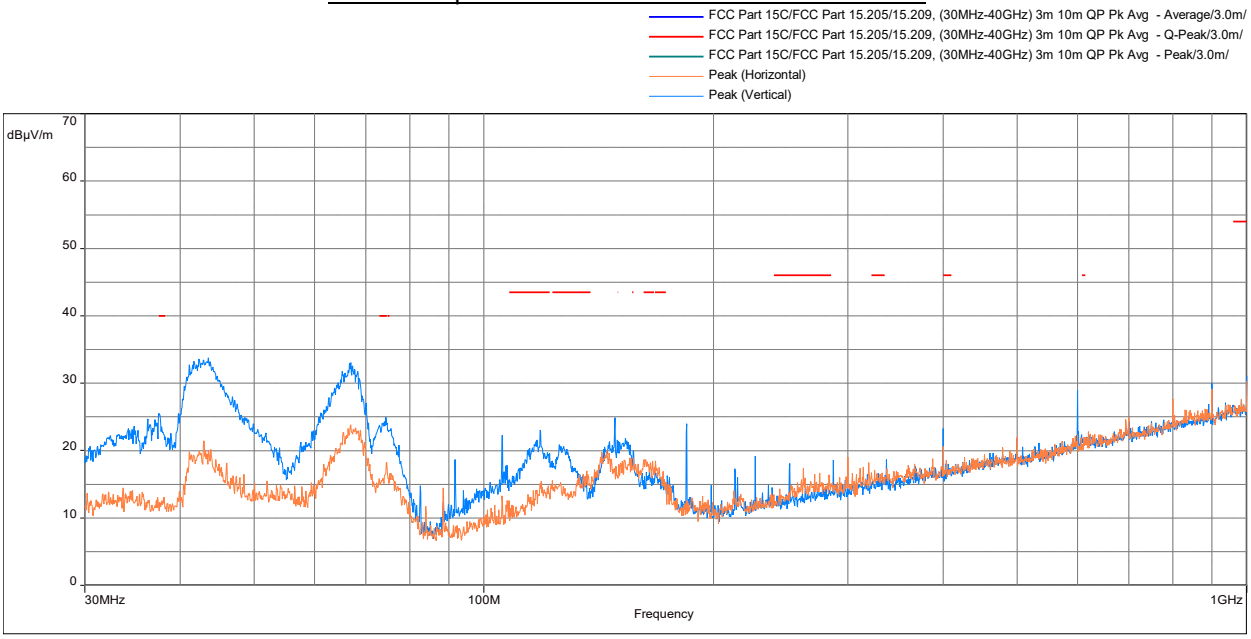
Antenna Position - Coplanar



Antenna Position - Horizontal

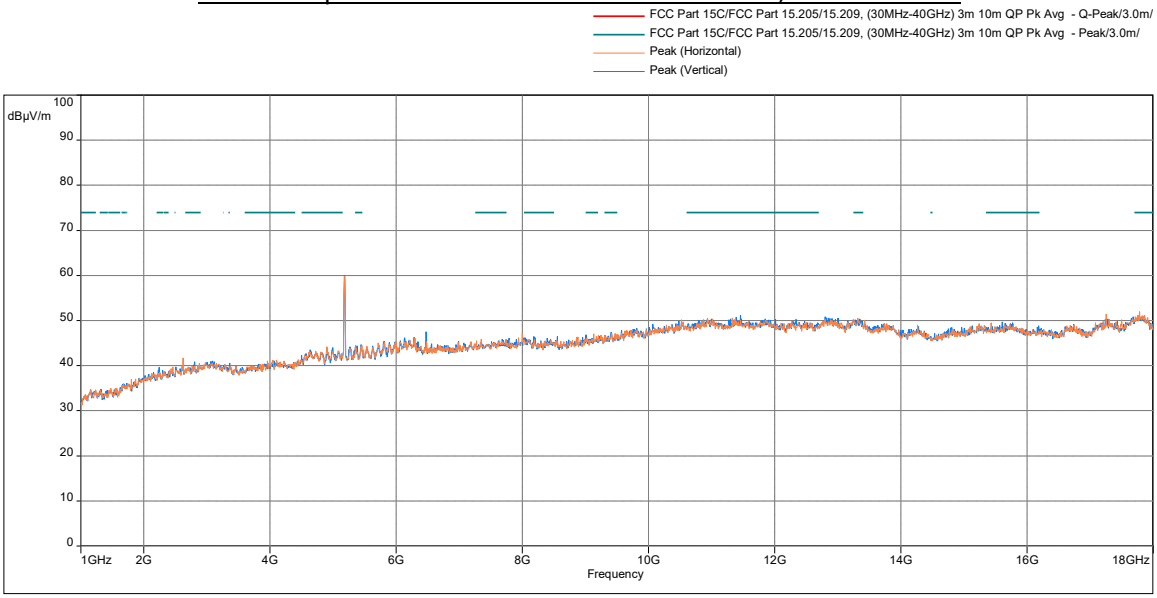


Radiated Spurious Emissions 30 MHz to 1000 MHz

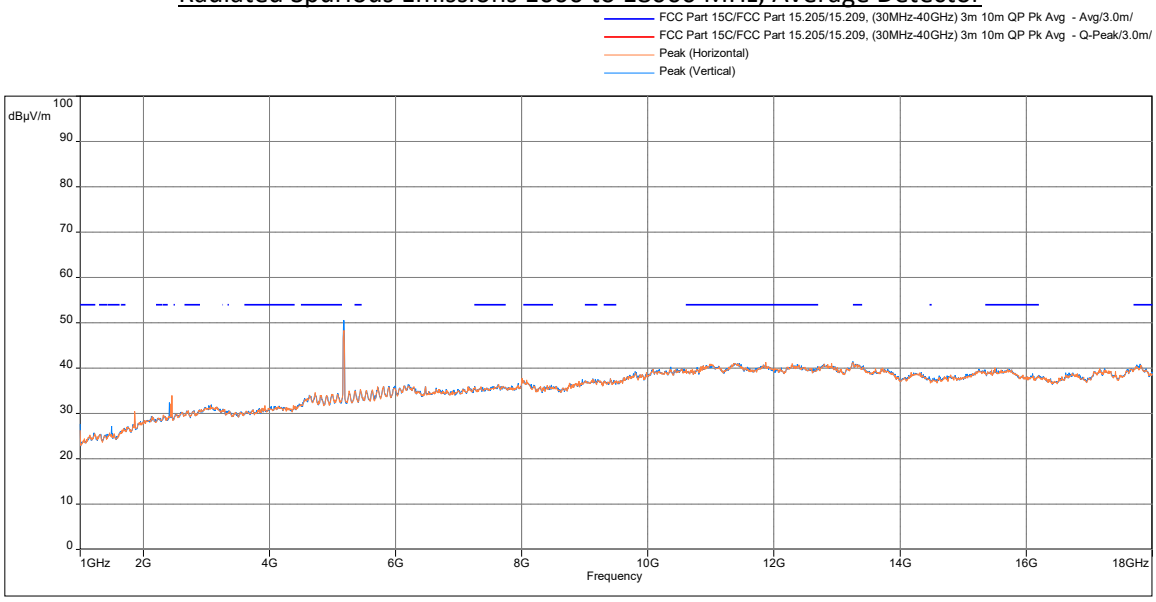


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
37.501	25.53	40.00	-14.47	0.47	Vertical	-14.10
74.426	24.95	40.00	-15.05	281.92	Vertical	-16.98
118.593	23.00	43.50	-20.50	84.13	Vertical	-16.37
74.555	18.26	40.00	-21.74	215.96	Horizontal	-17.02
125.610	20.85	43.50	-22.65	182.63	Vertical	-15.90
399.990	23.30	46.00	-22.70	240.52	Vertical	-10.45

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector



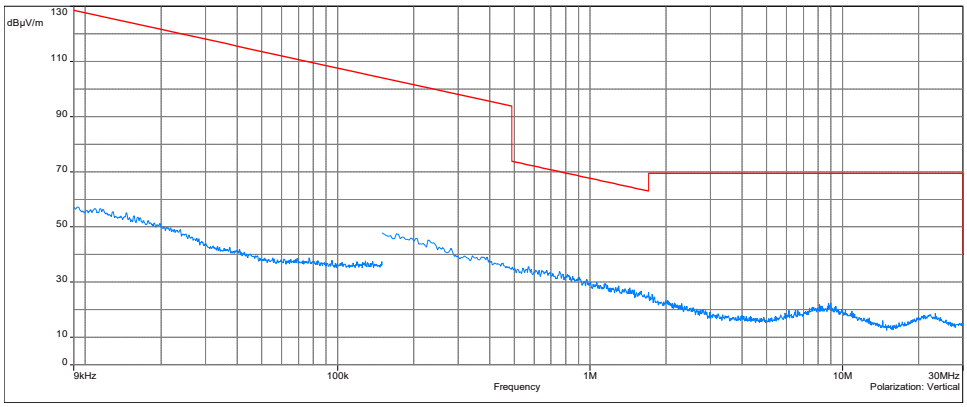
Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17783.533	Peak	52.02	74.00	-21.98	130.43	Horizontal	8.03
11455.567	Peak	51.20	74.00	-22.80	304.75	Vertical	-0.84
17832.267	Peak	51.05	74.00	-22.95	12.40	Vertical	8.26
13254.167	Average	41.45	54.00	-12.55	213.87	Vertical	2.97
11873.767	Average	41.34	54.00	-12.66	305.02	Horizontal	-0.29
13257.000	Average	41.25	54.00	-12.75	0.00	Horizontal	2.97

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

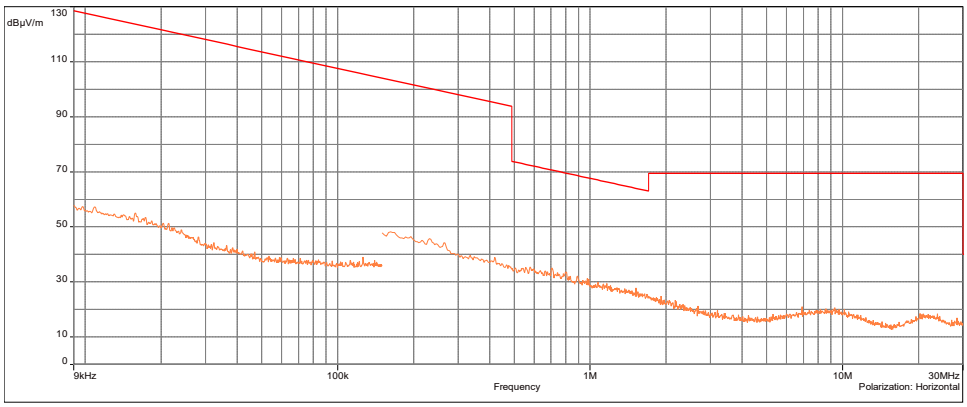
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5180MHz, Battery Mode

Worst case Radiated Spurious Emissions 9 kHz to 30 MHz

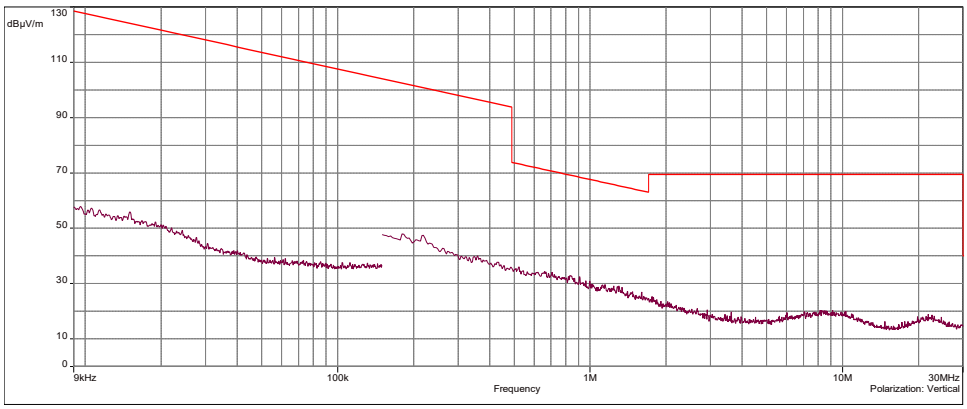
Antenna Position - Coaxial



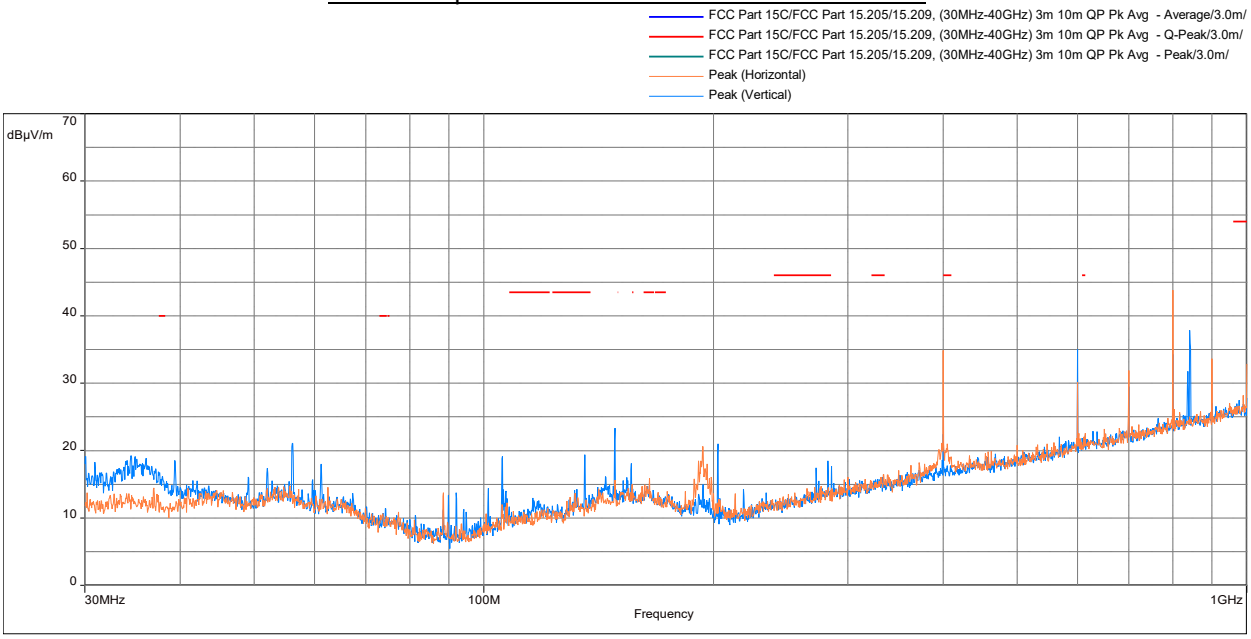
Antenna Position - Coplanar



Antenna Position - Horizontal

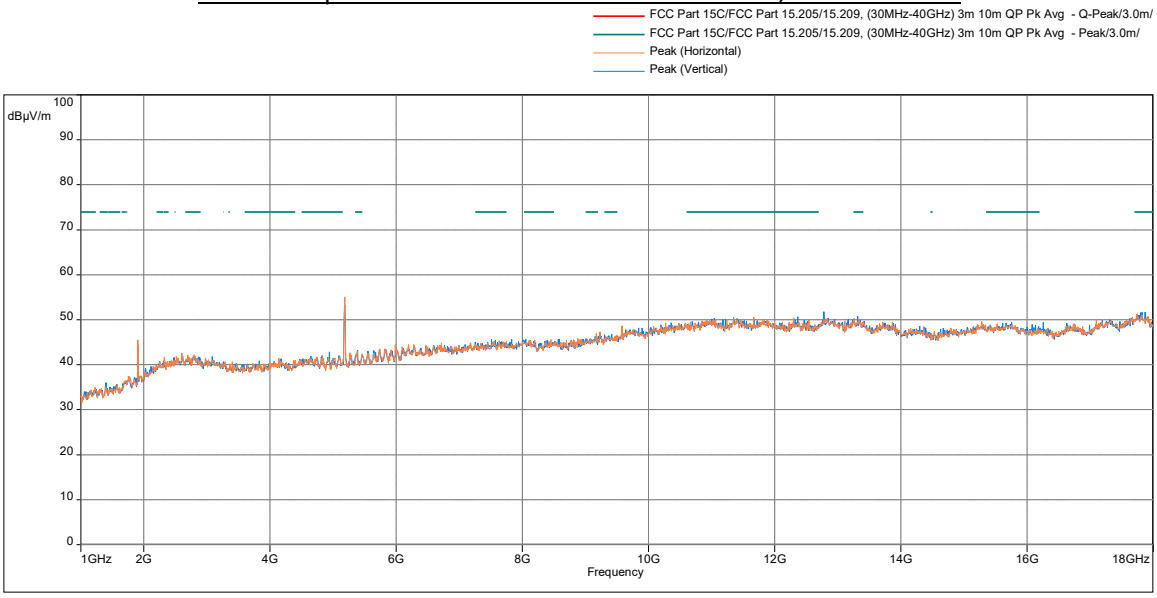


Radiated Spurious Emissions 30 MHz to 1000 MHz

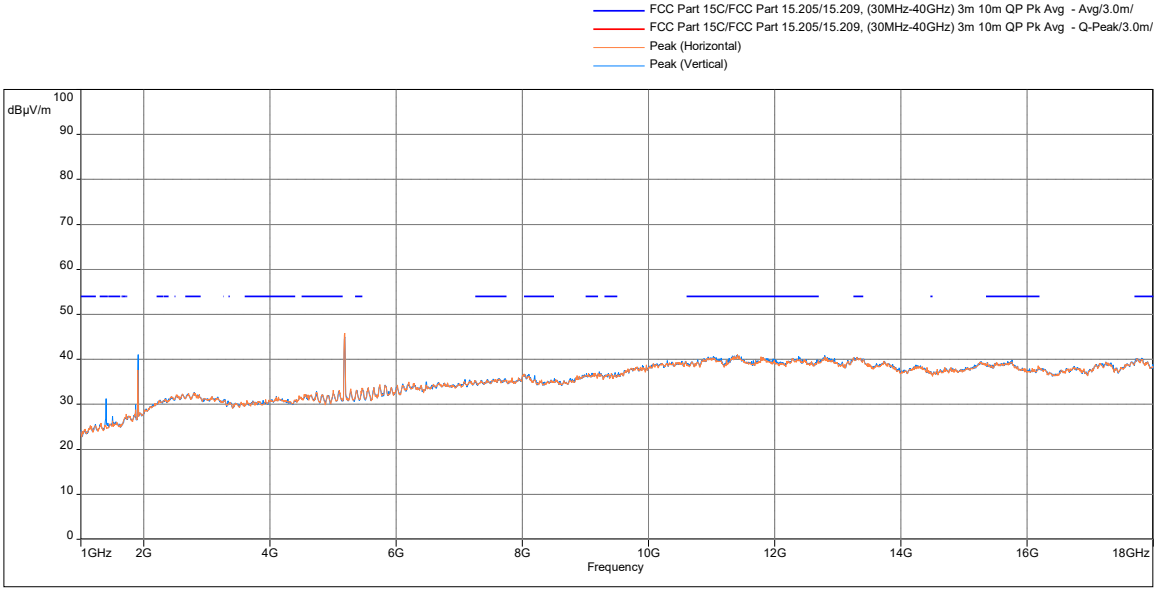


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
399.990	34.90	46.00	-11.10	303.23	Horizontal	-10.45
1000.000	32.89	54.00	-21.11	15.88	Horizontal	0.54
613.746	22.55	46.00	-23.45	359.91	Horizontal	-6.15
399.990	22.44	46.00	-23.56	324.90	Vertical	-10.45
613.908	22.23	46.00	-23.77	22.21	Vertical	-6.15
611.256	22.06	46.00	-23.94	359.91	Horizontal	-6.26

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

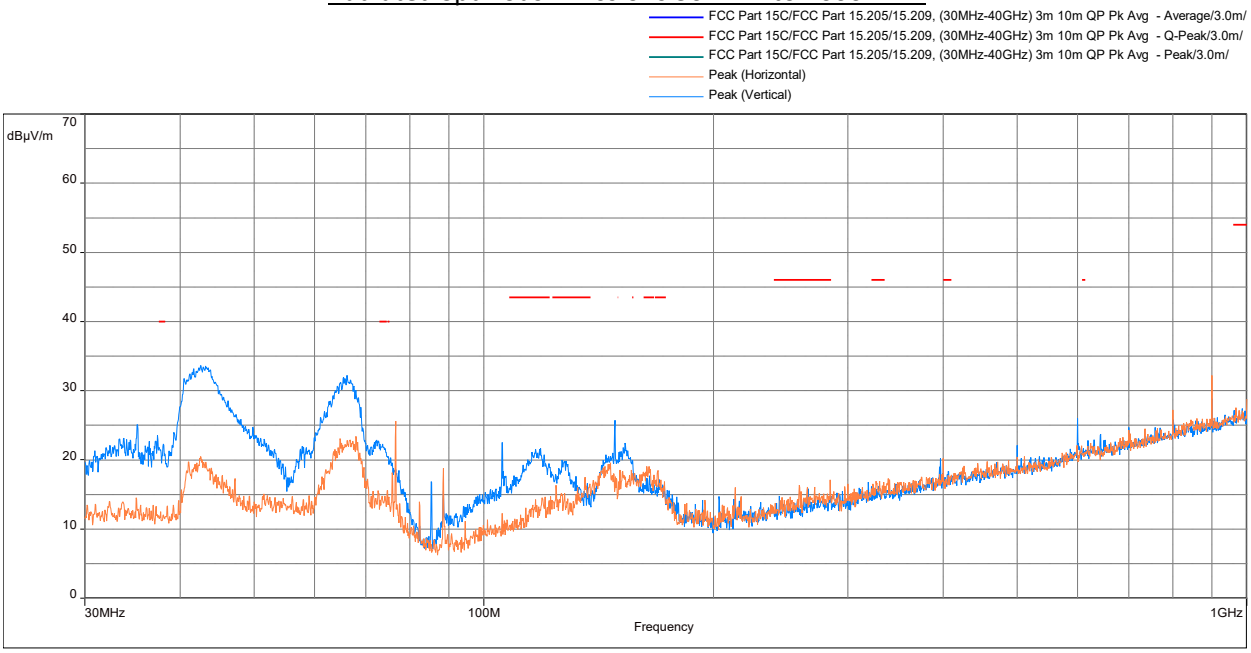


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17873.067	Peak	51.70	74.00	-22.30	122.87	Vertical	8.39
17752.367	Peak	51.31	74.00	-22.69	29.27	Horizontal	7.76
13317.633	Peak	50.73	74.00	-23.27	297.18	Vertical	2.83
11410.233	Average	41.07	54.00	-12.93	166.71	Horizontal	-0.77
11409.667	Average	40.93	54.00	-13.07	239.66	Vertical	-0.77
11029.433	Average	40.69	54.00	-13.31	194.08	Vertical	-1.01

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

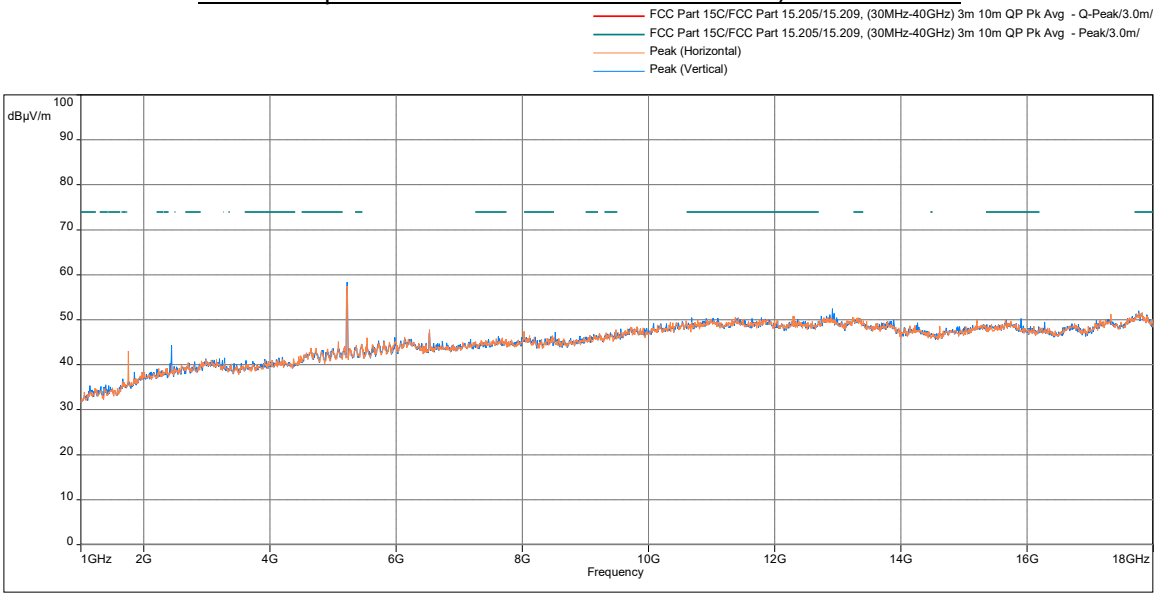
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5220MHz, Charging Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

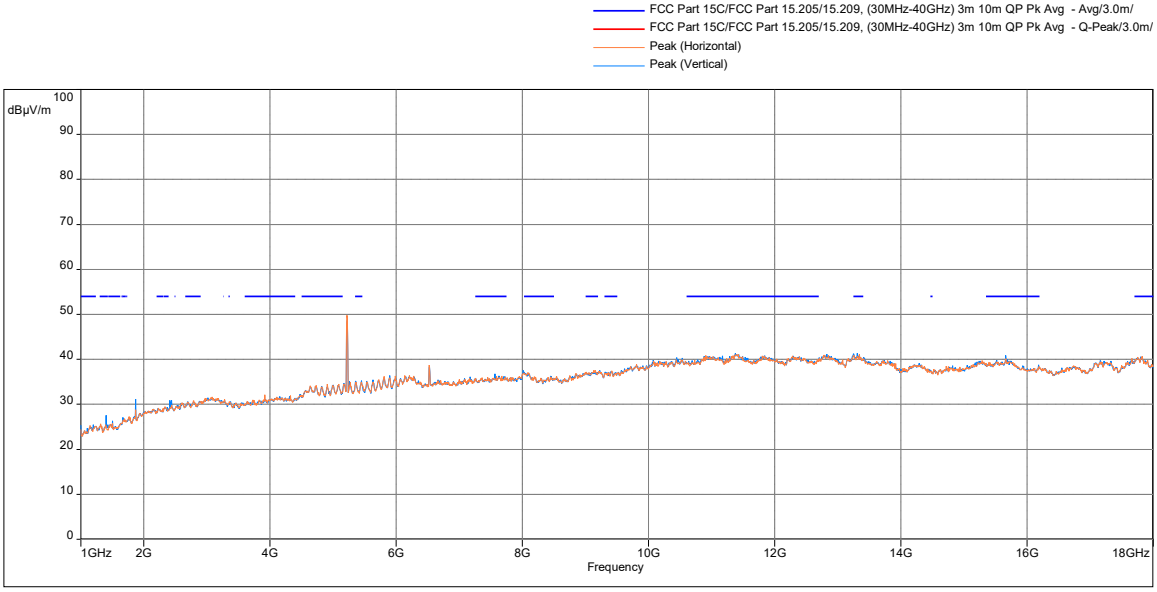


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
118.690	21.62	43.50	-21.88	339.80	Vertical	-16.36
126.612	19.99	43.50	-23.51	187.45	Vertical	-15.83
610.868	21.63	46.00	-24.37	148.85	Vertical	-6.27
163.472	19.07	43.50	-24.43	100.19	Horizontal	-13.25
164.701	19.06	43.50	-24.44	88.52	Horizontal	-13.25
169.130	18.45	43.50	-25.05	98.17	Horizontal	-13.66

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

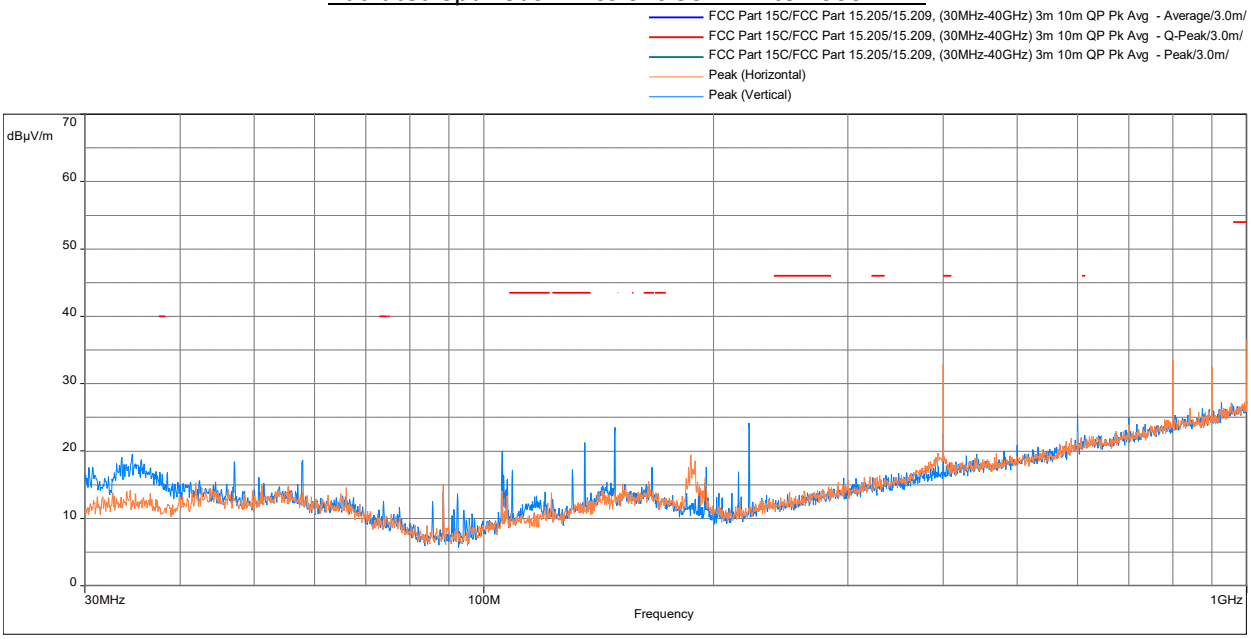


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17768.233	Peak	52.00	74.00	-22.00	358.90	Vertical	7.93
17823.200	Peak	51.61	74.00	-22.39	317.12	Horizontal	8.23
12291.400	Peak	50.90	74.00	-23.10	35.32	Horizontal	-0.14
13306.300	Peak	41.37	54.00	-12.63	0.00	Vertical	2.98
11373.967	Peak	41.31	54.00	-12.69	10.46	Vertical	-0.84
11419.867	Peak	41.17	54.00	-12.83	28.40	Horizontal	-0.82

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

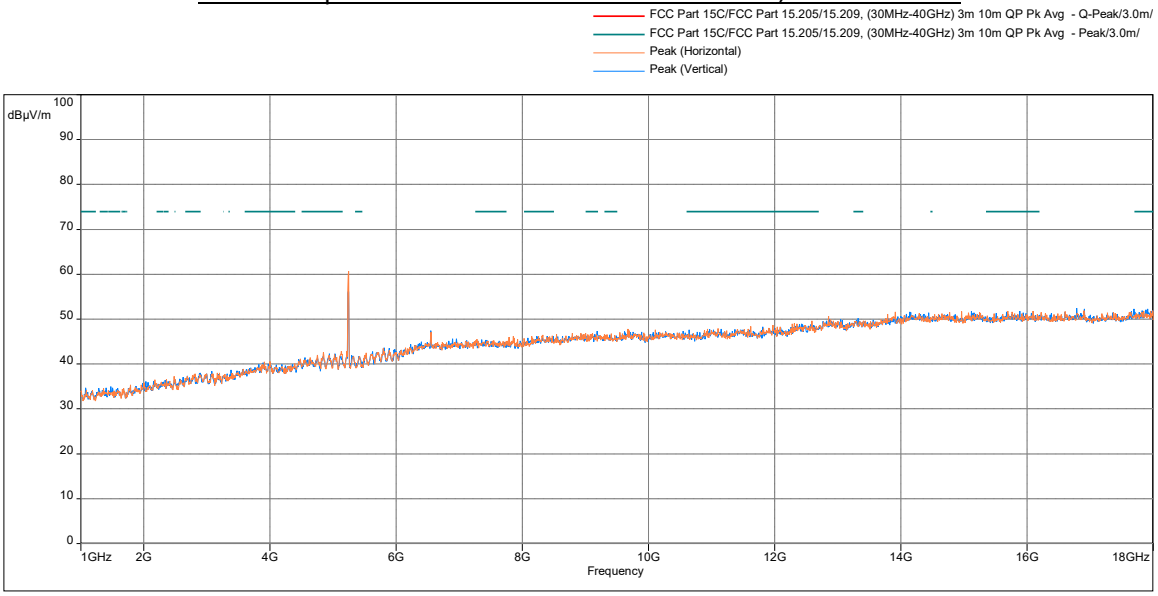
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5220MHz, Battery Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

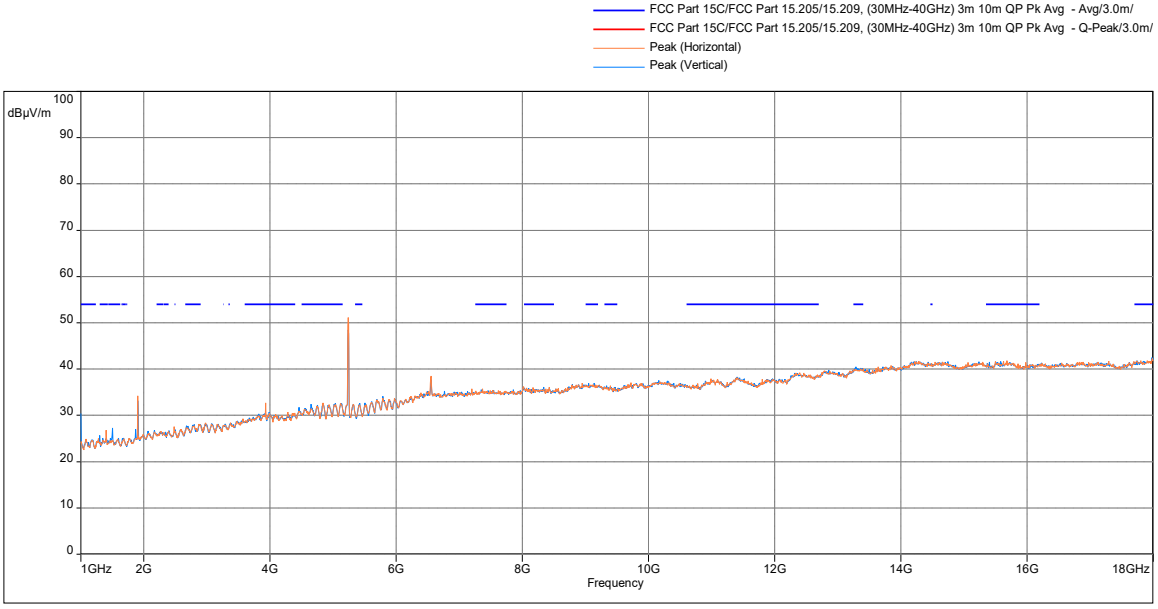


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
399.990	32.89	46.00	-13.11	73.69	Horizontal	-10.45
1000.000	36.69	54.00	-17.31	146.05	Horizontal	0.54
135.633	21.25	43.50	-22.25	101.41	Vertical	-14.73
399.990	22.55	46.00	-23.45	45.54	Vertical	-10.45
613.229	22.34	46.00	-23.66	297.18	Vertical	-6.15
612.388	22.10	46.00	-23.90	306.83	Vertical	-6.21

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

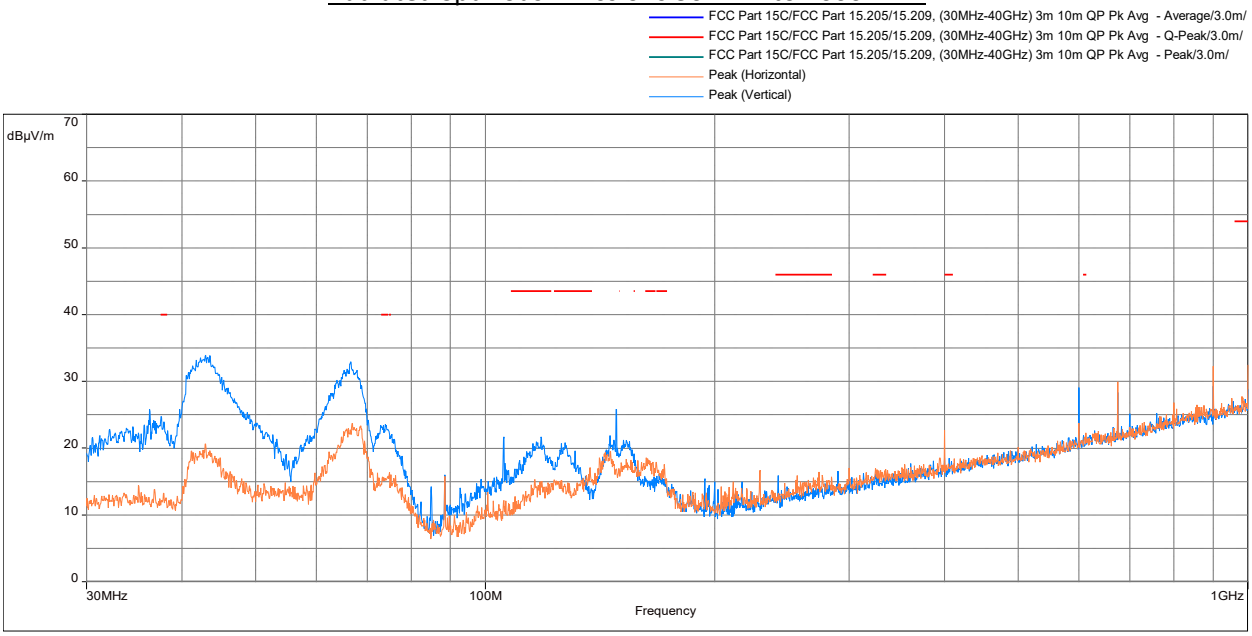


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17915.000	Peak	52.28	74.00	-21.72	0.00	Vertical	2.77
17992.633	Peak	51.89	74.00	-22.11	247.43	Horizontal	2.81
15884.067	Peak	51.78	74.00	-22.22	87.45	Vertical	3.72
17978.467	Average	42.47	54.00	-11.53	73.97	Vertical	2.80
17986.967	Average	42.31	54.00	-11.69	147.71	Horizontal	2.80
4841.433	Average	32.75	54.00	-21.25	239.66	Horizontal	0.41

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

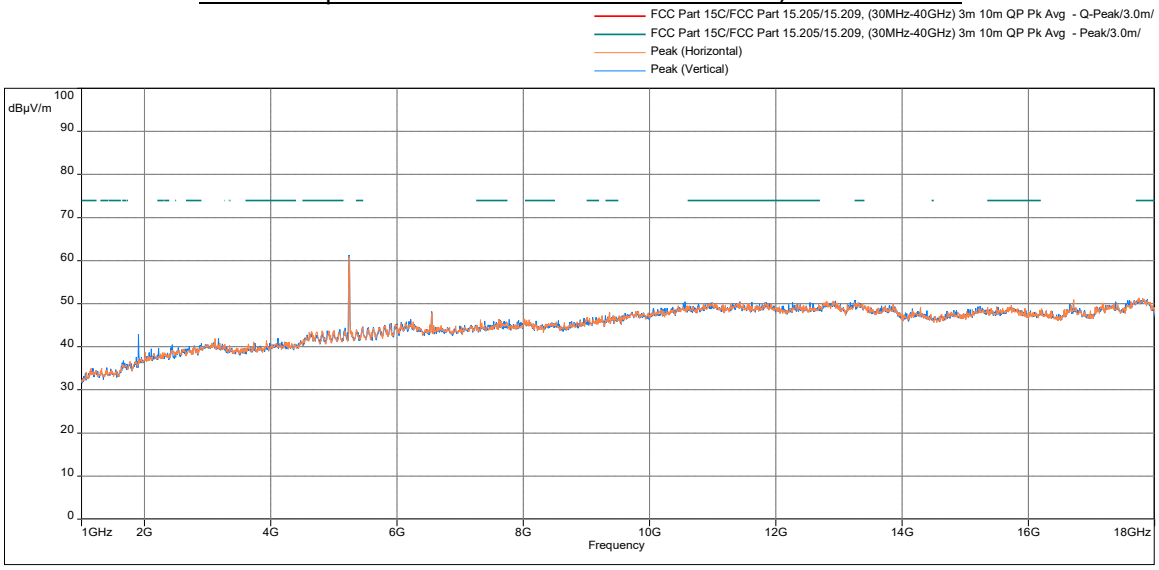
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5240MHz, Charging Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

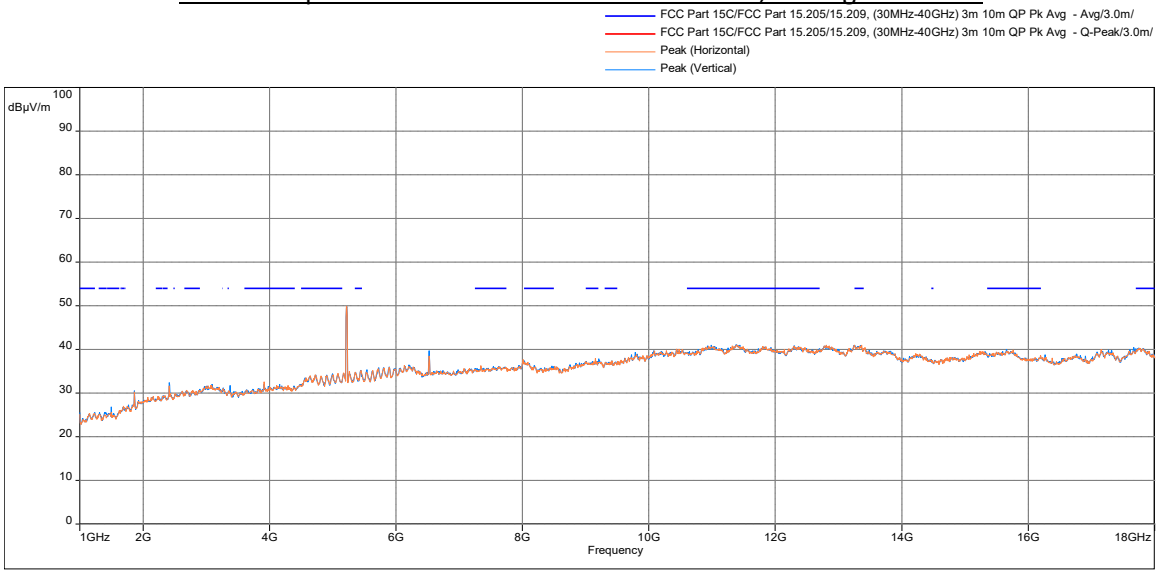


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
37.598	24.74	40.00	-15.26	10.13	Vertical	-14.10
73.973	23.55	40.00	-16.45	279.11	Vertical	-16.84
1000.000	32.46	54.00	-21.54	158.08	Horizontal	0.54
118.399	21.69	43.50	-21.81	348.02	Vertical	-16.39
127.291	20.81	43.50	-22.69	276.30	Vertical	-15.76
399.990	22.70	46.00	-23.30	300.78	Horizontal	-10.45

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

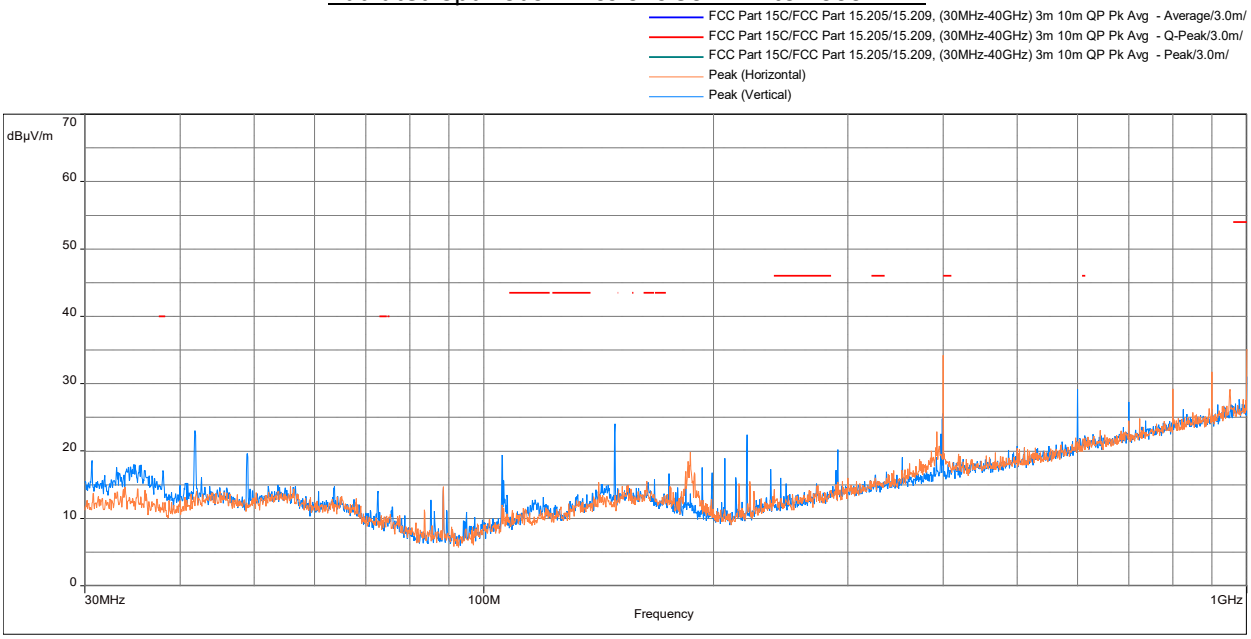


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17757.467	Peak	51.34	74.00	-22.66	83.12	Horizontal	7.86
17742.733	Peak	51.17	74.00	-22.83	51.23	Vertical	7.77
13261.533	Peak	50.76	74.00	-23.24	68.79	Vertical	2.97
11381.900	Average	41.10	54.00	-12.90	305.02	Vertical	-0.83
11397.200	Average	41.04	54.00	-12.96	0.00	Horizontal	-0.82
13251.333	Average	41.04	54.00	-12.96	238.87	Horizontal	2.97

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

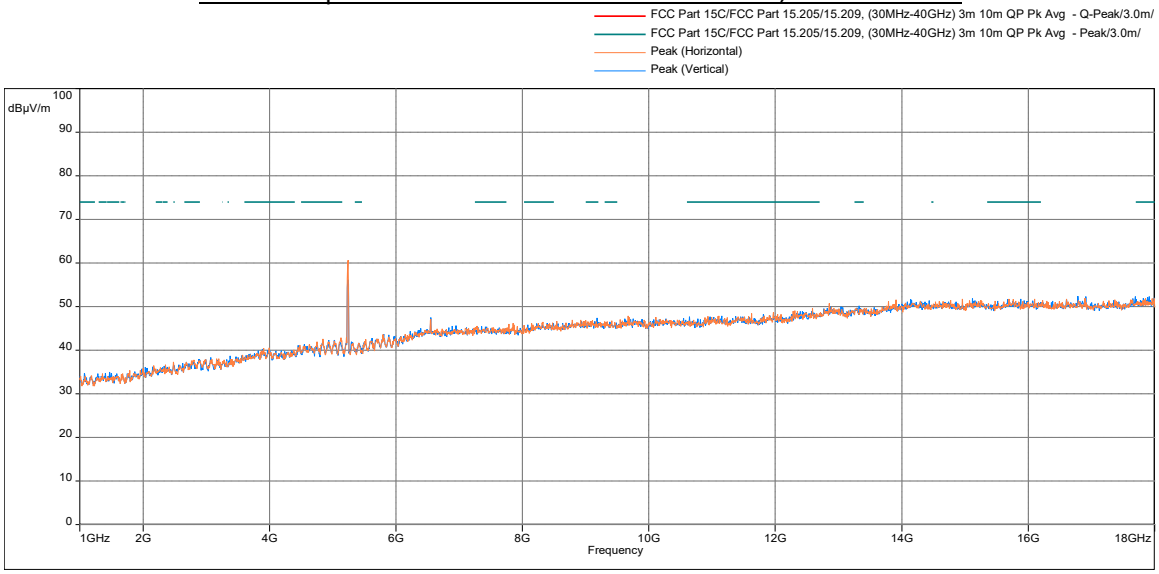
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5240MHz, Battery Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

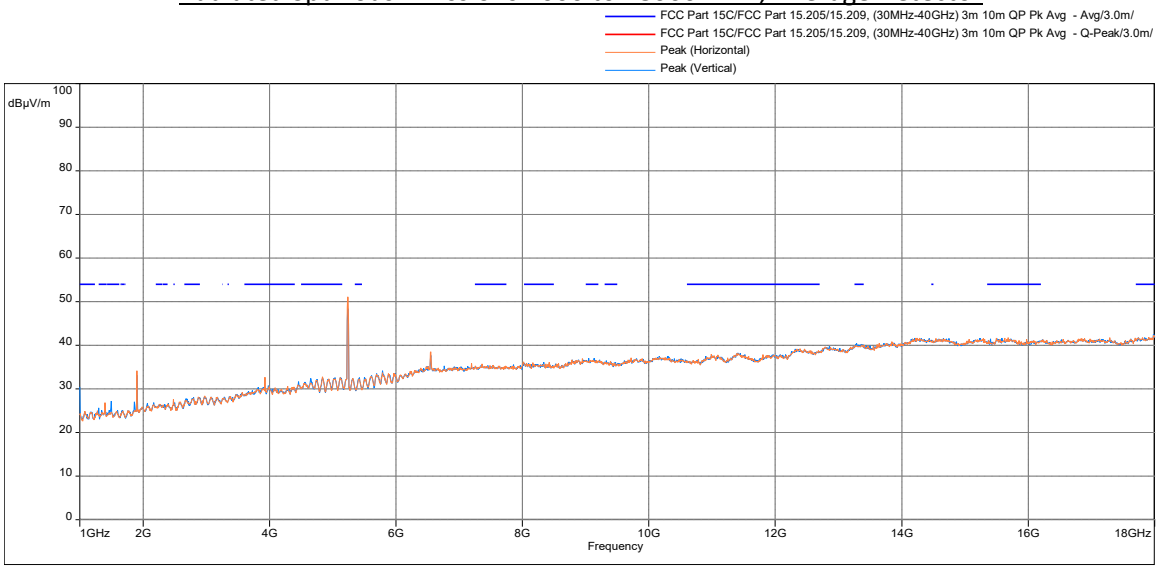


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
399.990	34.21	46.00	-11.79	237.28	Horizontal	-10.45
1000.000	35.15	54.00	-18.85	15.48	Horizontal	0.54
399.990	25.61	46.00	-20.39	160.52	Vertical	-10.45
37.986	17.11	40.00	-22.89	211.57	Vertical	-14.09
1000.000	31.05	54.00	-22.95	232.88	Vertical	0.54
613.390	22.28	46.00	-23.72	314.89	Vertical	-6.15

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

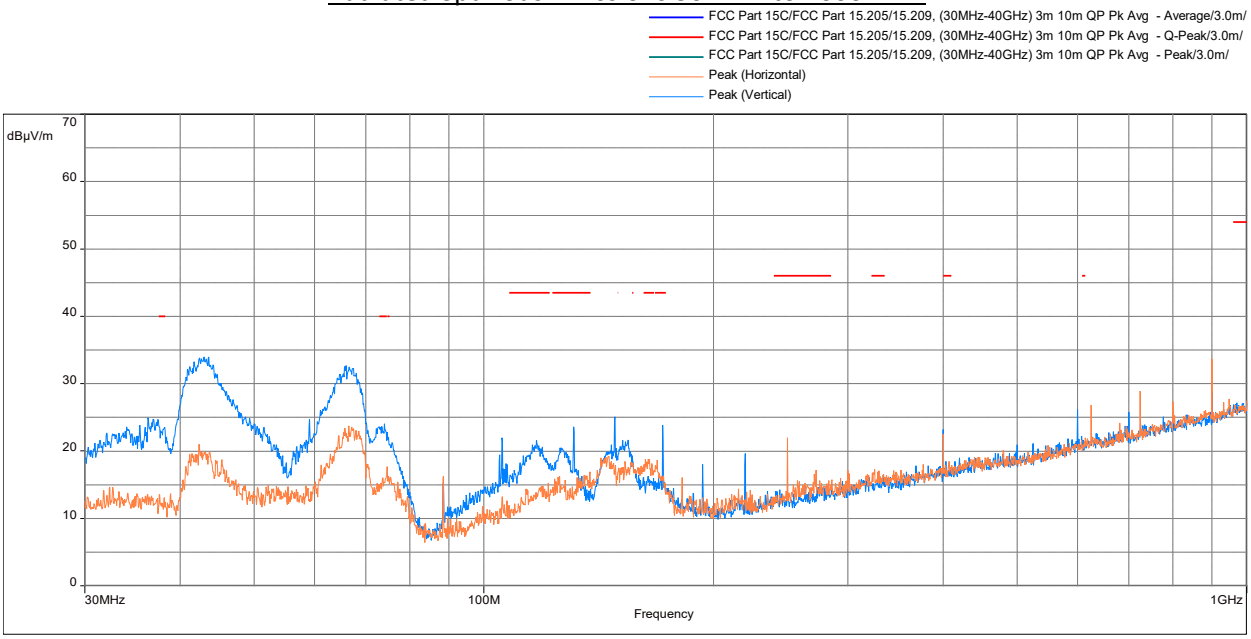


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17915.000	Peak	52.28	74.00	-21.72	0.00	Vertical	2.77
17992.633	Peak	51.89	74.00	-22.11	247.43	Horizontal	2.81
15884.067	Peak	51.78	74.00	-22.22	87.45	Vertical	3.72
17978.467	Average	42.47	54.00	-11.53	73.97	Vertical	2.80
17986.967	Average	42.31	54.00	-11.69	147.71	Horizontal	2.80
4841.433	Average	32.75	54.00	-21.25	239.66	Horizontal	0.41

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

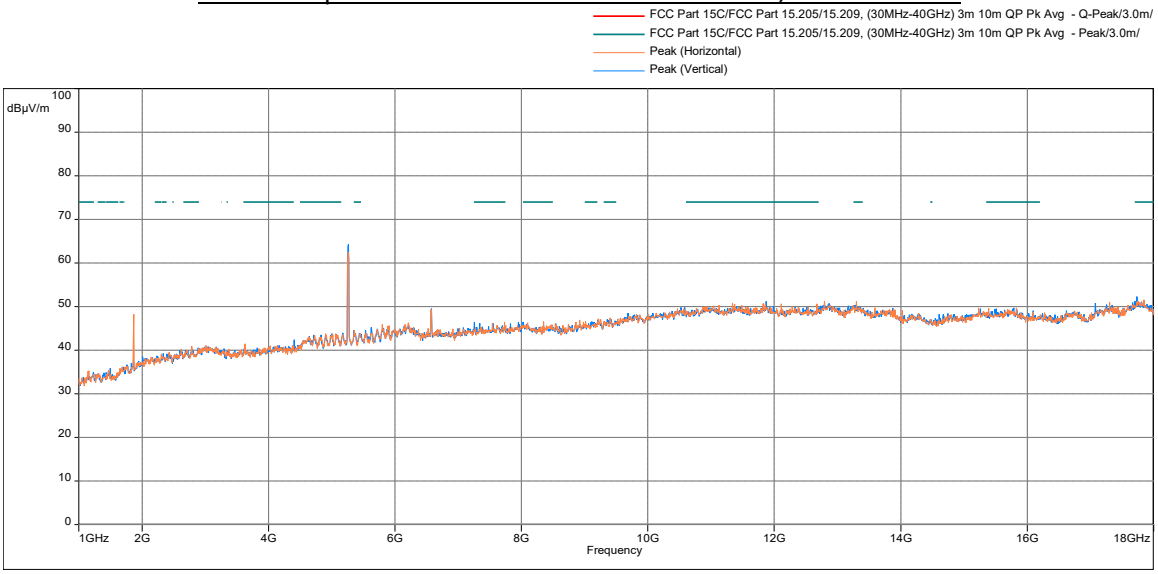
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5260MHz, Charging Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

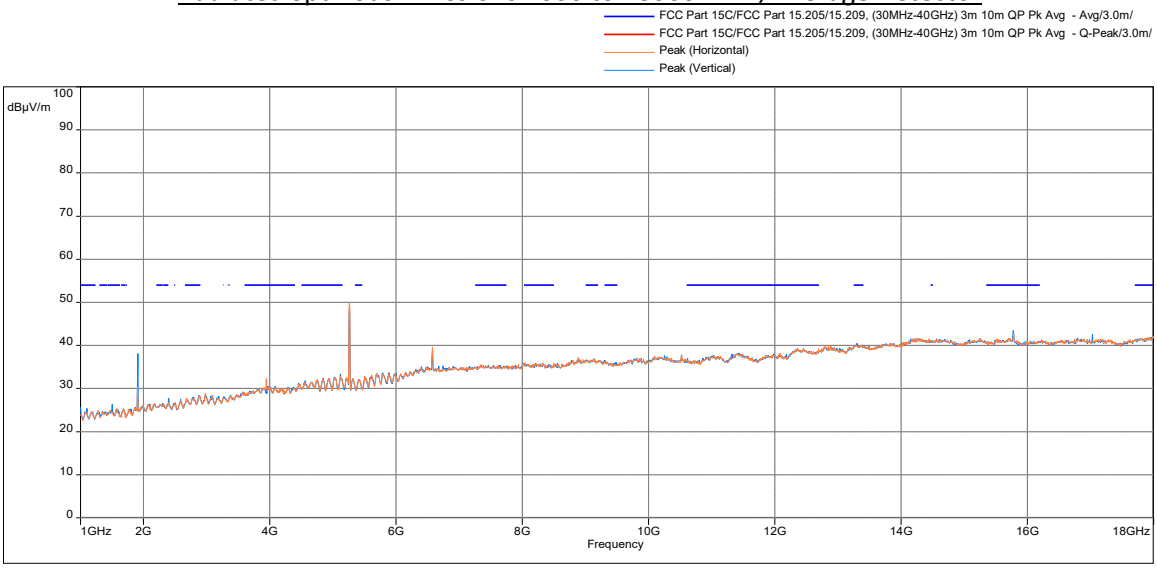


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
37.501	25.53	40.00	-14.47	0.47	Vertical	-14.10
74.426	24.95	40.00	-15.05	281.92	Vertical	-16.98
118.593	23.00	43.50	-20.50	84.13	Vertical	-16.37
74.555	18.26	40.00	-21.74	215.96	Horizontal	-17.02
125.610	20.85	43.50	-22.65	182.63	Vertical	-15.90
399.990	23.30	46.00	-22.70	240.52	Vertical	-10.45

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

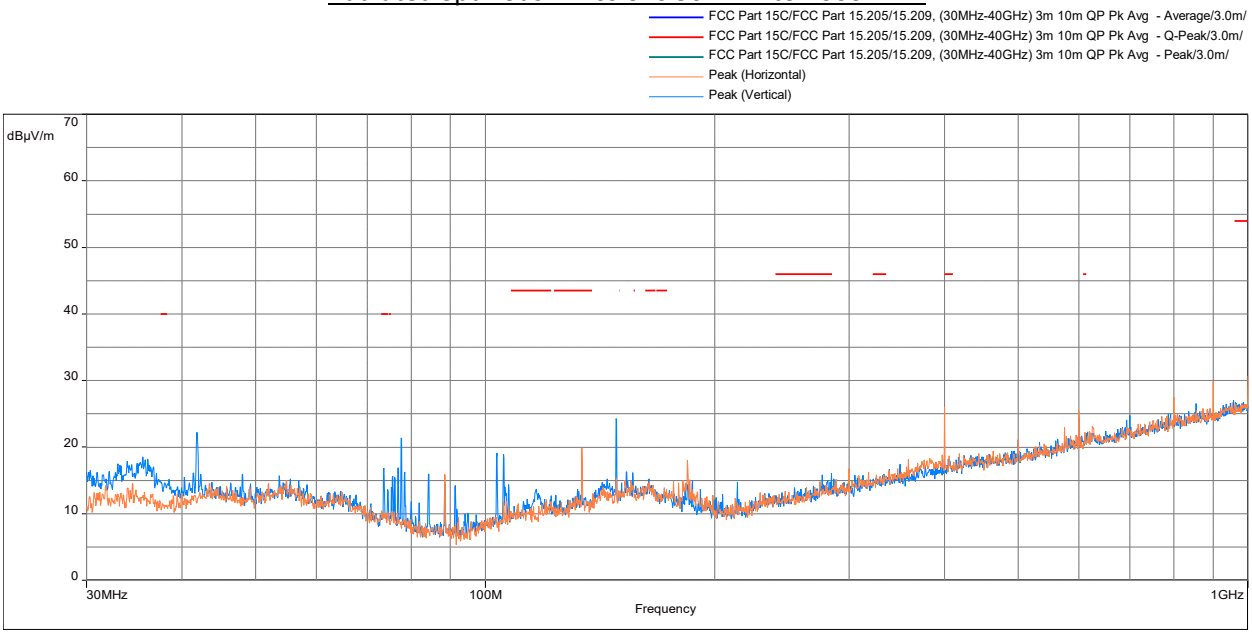


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17731.400	Peak	52.33	74.00	-21.67	0.00	Vertical	7.70
17844.733	Peak	51.54	74.00	-22.46	141.22	Horizontal	8.31
11871.500	Peak	51.23	74.00	-22.77	213.66	Vertical	-0.29
15776.967	Average	43.44	54.00	-10.56	74.05	Vertical	3.60
15783.767	Average	42.74	54.00	-11.26	194.08	Horizontal	3.60
17997.167	Average	42.31	54.00	-11.69	147.71	Vertical	2.81

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

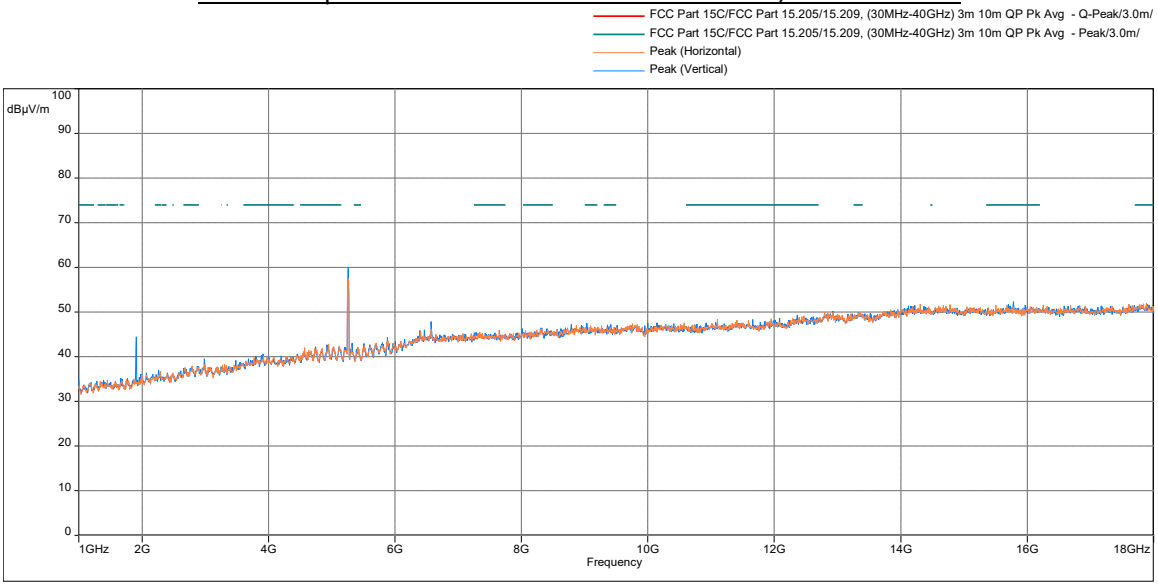
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5260MHz, Battery Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

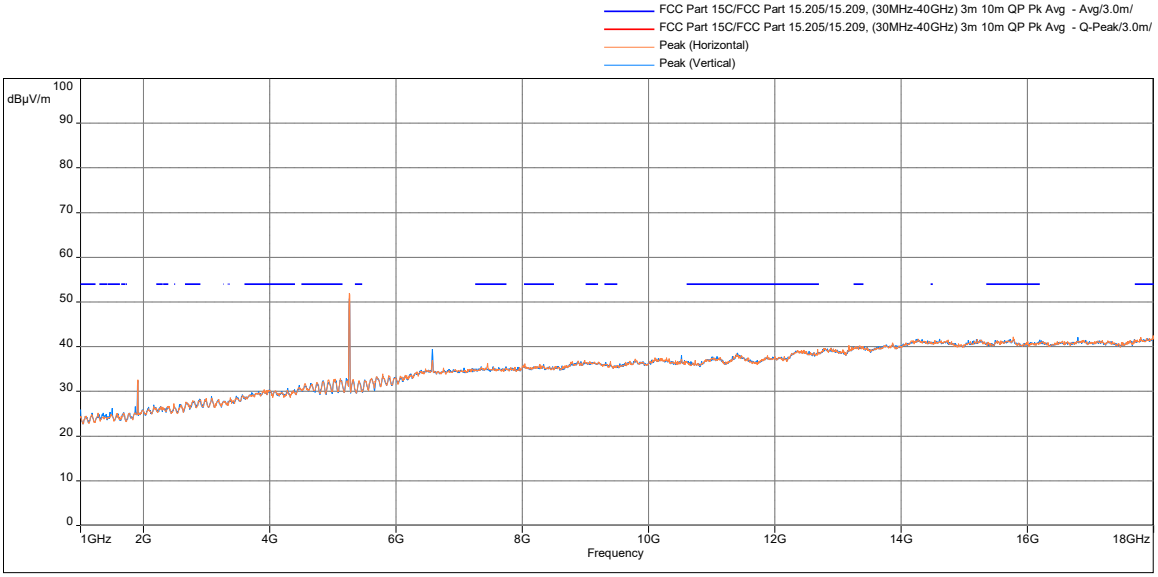


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
399.990	26.04	46.00	-19.96	206.75	Horizontal	-10.45
73.618	16.82	40.00	-23.18	37.47	Vertical	-16.74
1000.000	30.69	54.00	-23.31	276.30	Horizontal	0.54
133.855	19.92	43.50	-23.58	332.17	Horizontal	-14.98
610.933	22.21	46.00	-23.79	346.32	Horizontal	-6.26
611.547	21.63	46.00	-24.37	230.43	Vertical	-6.26

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

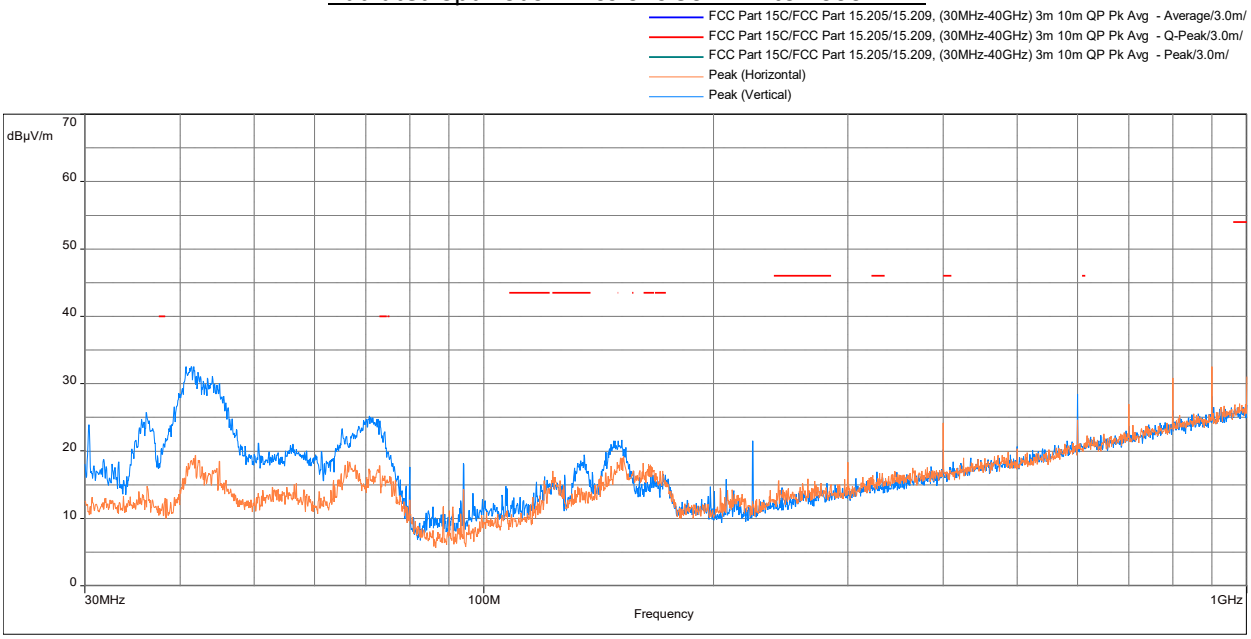


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
15783.200	Peak	52.30	74.00	-21.70	83.12	Vertical	3.60
17888.933	Peak	51.92	74.00	-22.08	130.43	Horizontal	2.77
17899.700	Peak	51.70	74.00	-22.30	2.01	Vertical	2.77
17992.633	Average	42.45	54.00	-11.55	193.29	Horizontal	2.81
11406.833	Average	38.60	54.00	-15.40	239.66	Vertical	3.01
11388.133	Average	38.36	54.00	-15.64	304.23	Horizontal	3.04

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

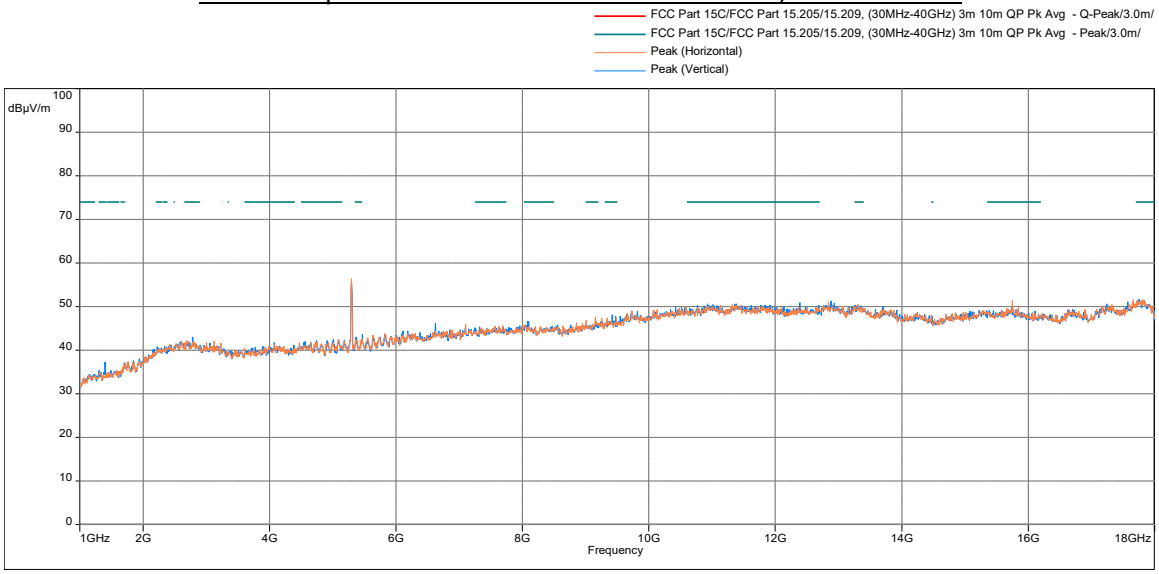
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5300MHz, Charging Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

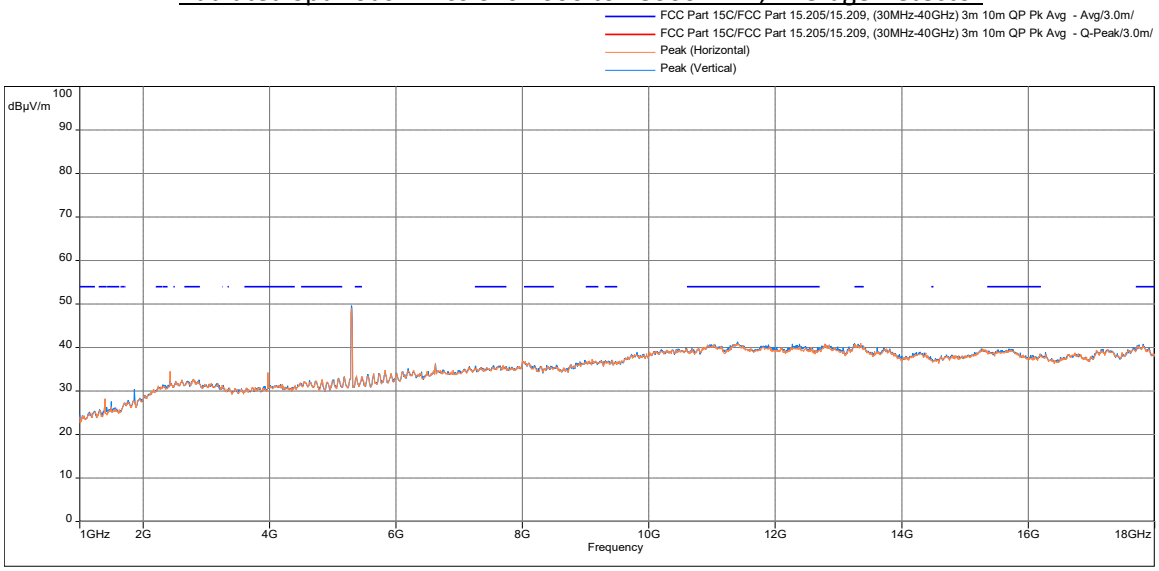


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
399.990	24.21	46.00	-21.79	127.55	Horizontal	-10.45
73.036	17.83	40.00	-22.17	56.20	Horizontal	-16.58
1000.000	31.03	54.00	-22.97	343.65	Horizontal	0.54
73.650	16.36	40.00	-23.64	29.34	Horizontal	-16.75
135.439	19.48	43.50	-24.02	359.87	Vertical	-14.77
164.507	18.00	43.50	-25.50	273.06	Horizontal	-13.25

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

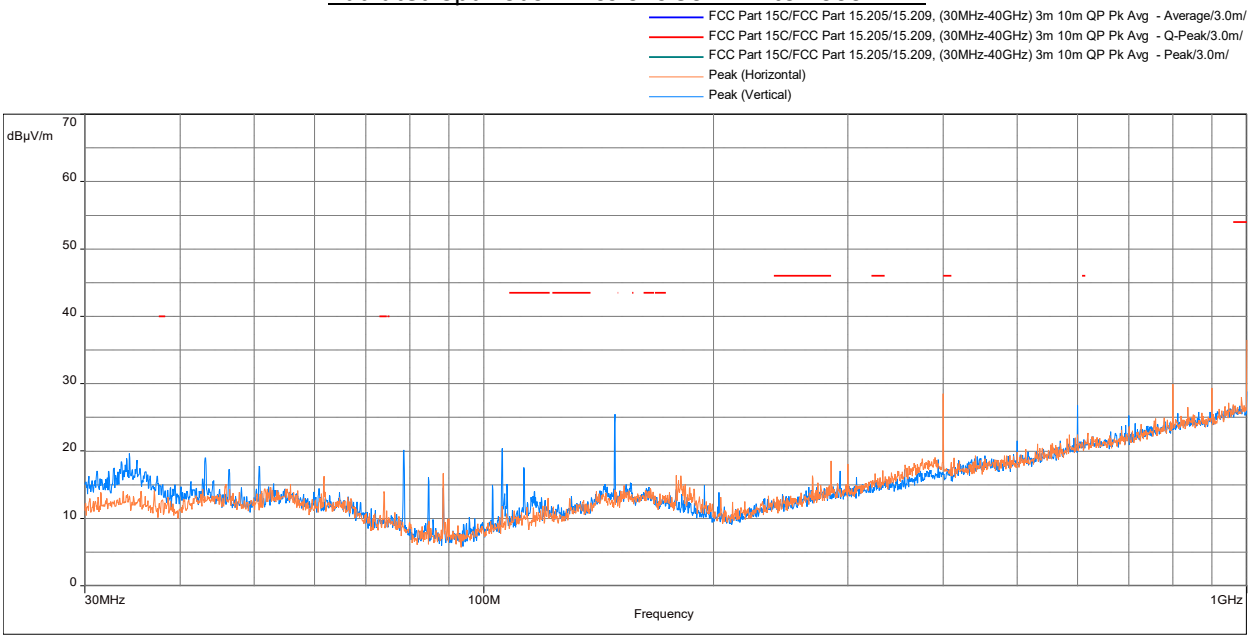


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17755.200	Peak	51.68	74.00	-22.32	0.00	Vertical	7.78
17799.967	Peak	51.58	74.00	-22.42	147.99	Horizontal	8.09
15747.500	Peak	51.41	74.00	-22.59	63.98	Horizontal	2.72
11404.000	Average	41.32	54.00	-12.68	120.34	Vertical	-0.76
13348.800	Average	41.03	54.00	-12.97	100.55	Horizontal	2.77
13250.767	Average	40.90	54.00	-13.10	212.29	Vertical	2.69

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

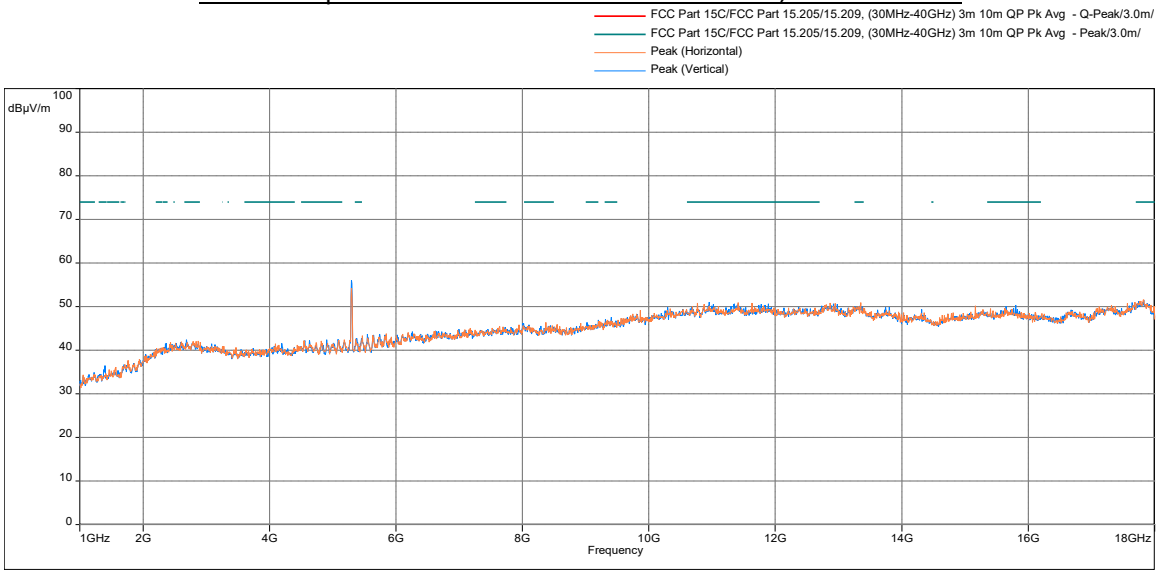
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5300MHz, Battery Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

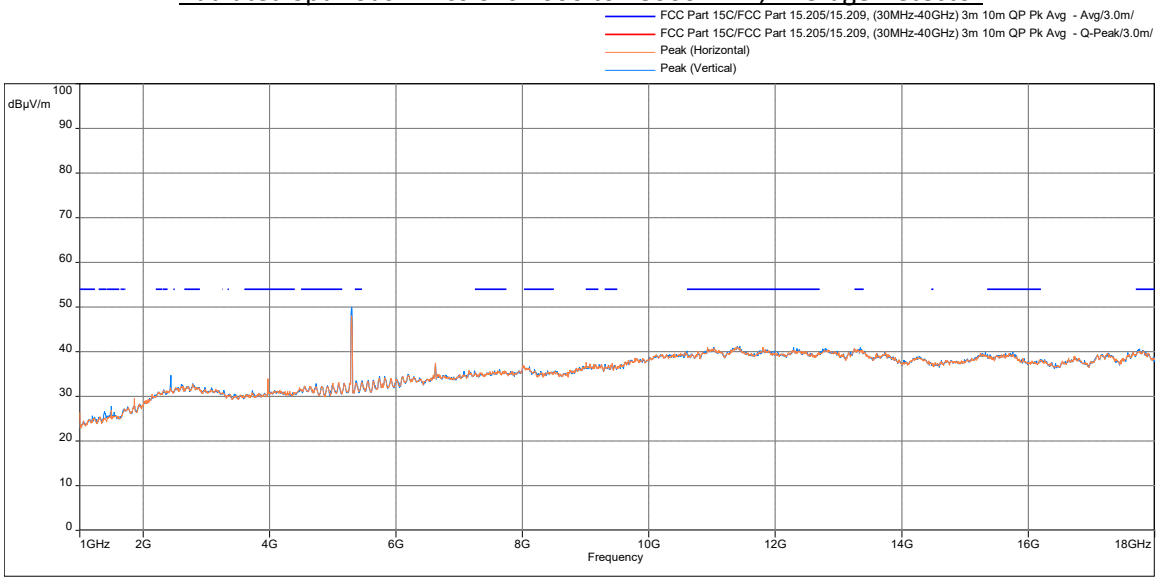


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
399.990	28.52	46.00	-17.48	0.09	Horizontal	-10.45
1000.000	36.51	54.00	-17.49	267.01	Horizontal	0.54
611.418	21.73	46.00	-24.27	180.61	Vertical	-6.26
613.132	21.59	46.00	-24.41	54.76	Horizontal	-6.15
608.282	21.31	46.00	-24.69	357.03	Horizontal	-6.44
1000.000	28.83	54.00	-25.17	277.09	Vertical	0.54

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

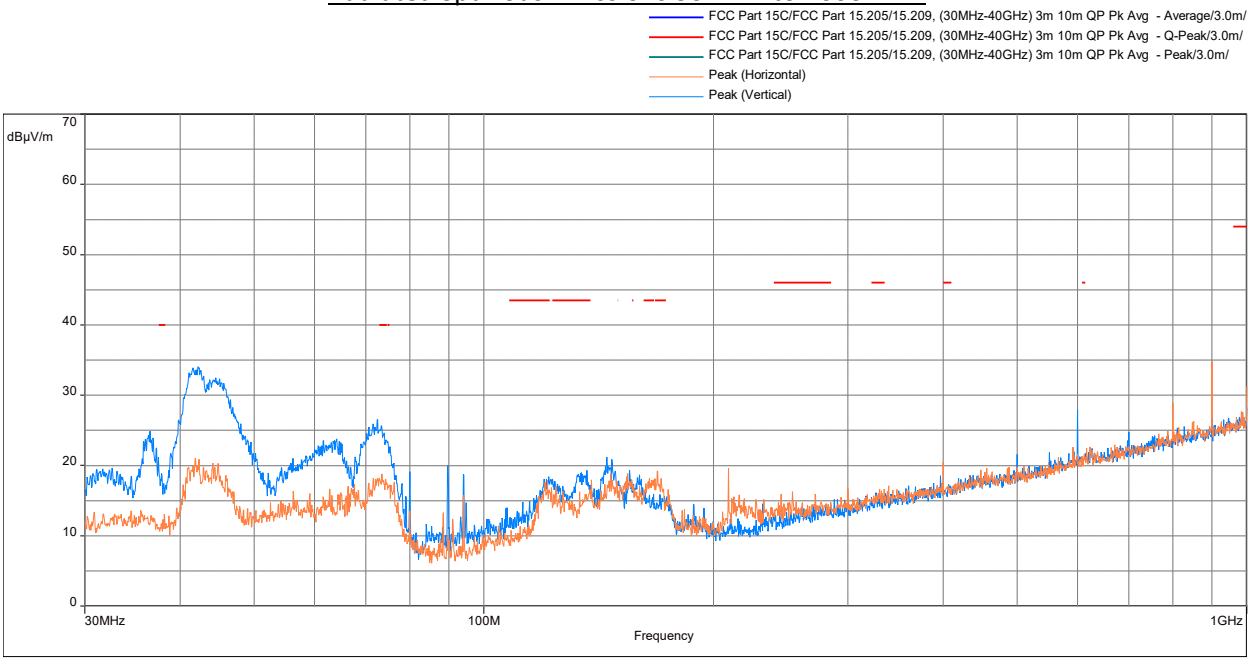


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17822.633	Peak	51.60	74.00	-22.40	62.10	Horizontal	8.20
17827.167	Peak	51.51	74.00	-22.49	126.90	Vertical	8.22
10954.067	Peak	50.98	74.00	-23.02	347.90	Vertical	-0.99
11440.833	Average	41.18	54.00	-12.82	0.00	Vertical	-0.82
11391.533	Average	41.06	54.00	-12.94	54.98	Horizontal	-0.76
12286.867	Average	41.06	54.00	-12.94	0.00	Vertical	-0.27

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

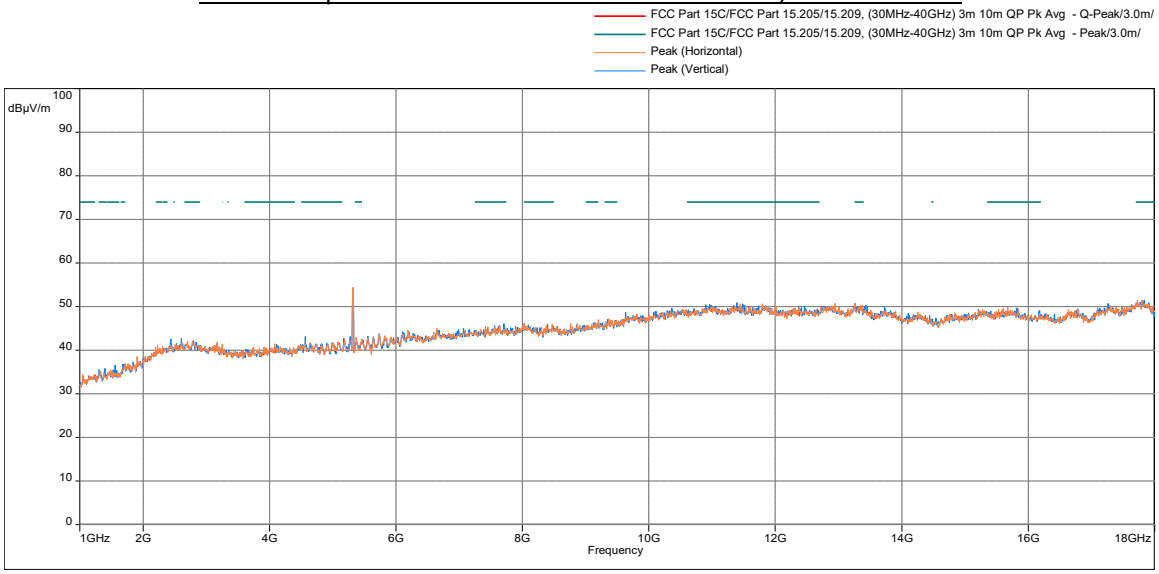
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5320MHz, Charging Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

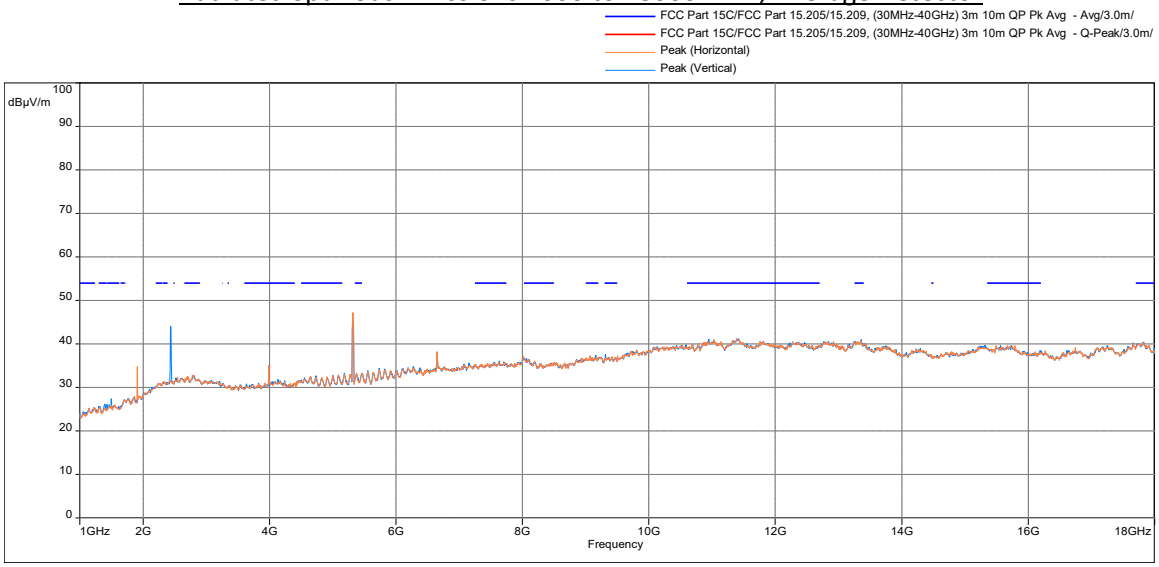


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.521	18.79	40.00	-21.21	12.94	Horizontal	-16.72
1000.000	31.32	54.00	-22.68	256.21	Horizontal	0.54
136.506	19.30	43.50	-24.20	9.71	Vertical	-14.61
168.872	19.22	43.50	-24.28	276.66	Horizontal	-13.64
613.972	21.71	46.00	-24.29	351.90	Vertical	-6.15
612.808	21.60	46.00	-24.40	202.50	Horizontal	-6.17

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

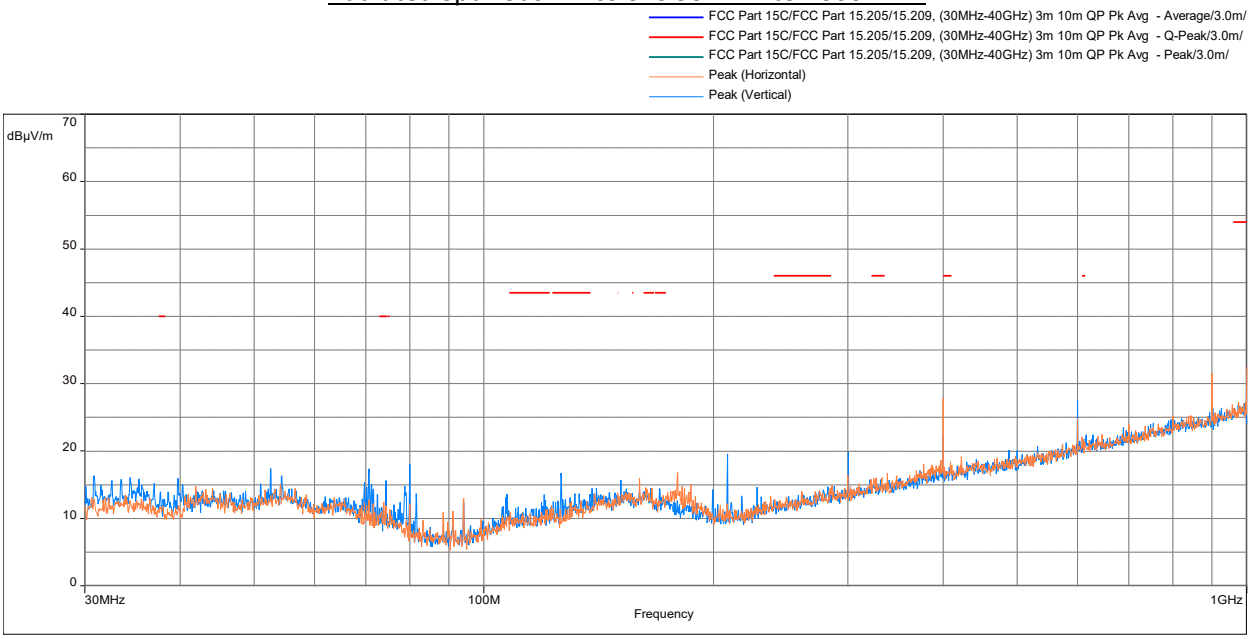


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17798.267	Peak	51.52	74.00	-22.48	84.70	Horizontal	8.07
17726.300	Peak	51.51	74.00	-22.49	135.25	Vertical	7.60
11394.933	Peak	50.89	74.00	-23.11	0.00	Vertical	-0.76
11392.667	Average	41.22	54.00	-12.78	27.61	Vertical	-0.76
10945.567	Average	41.17	54.00	-12.83	303.44	Vertical	-1.00
11404.567	Average	41.14	54.00	-12.86	146.92	Horizontal	-0.76

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

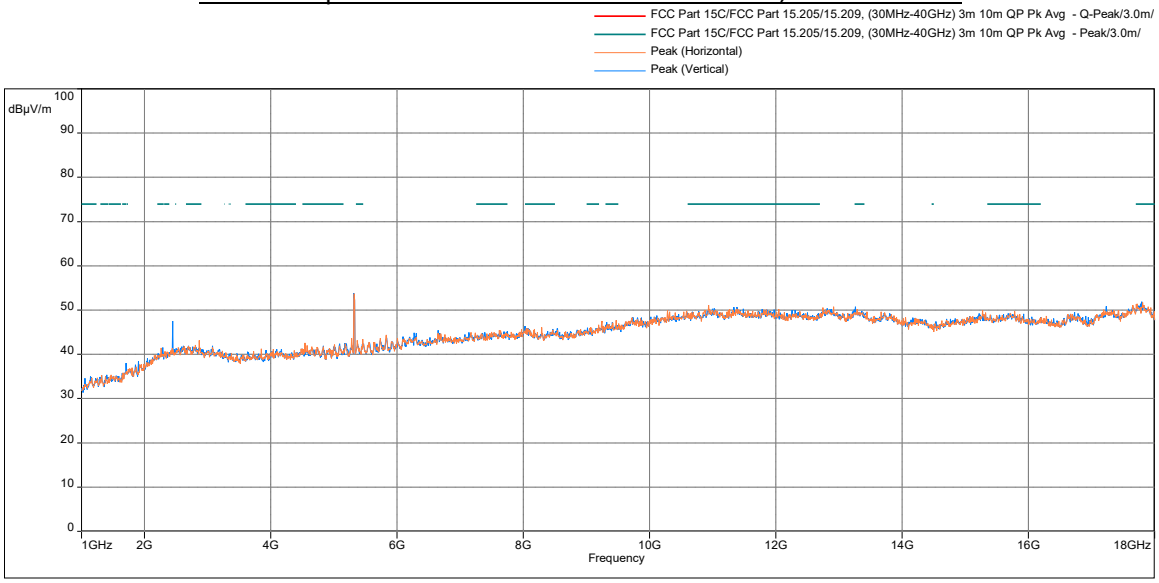
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5320MHz, Battery Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

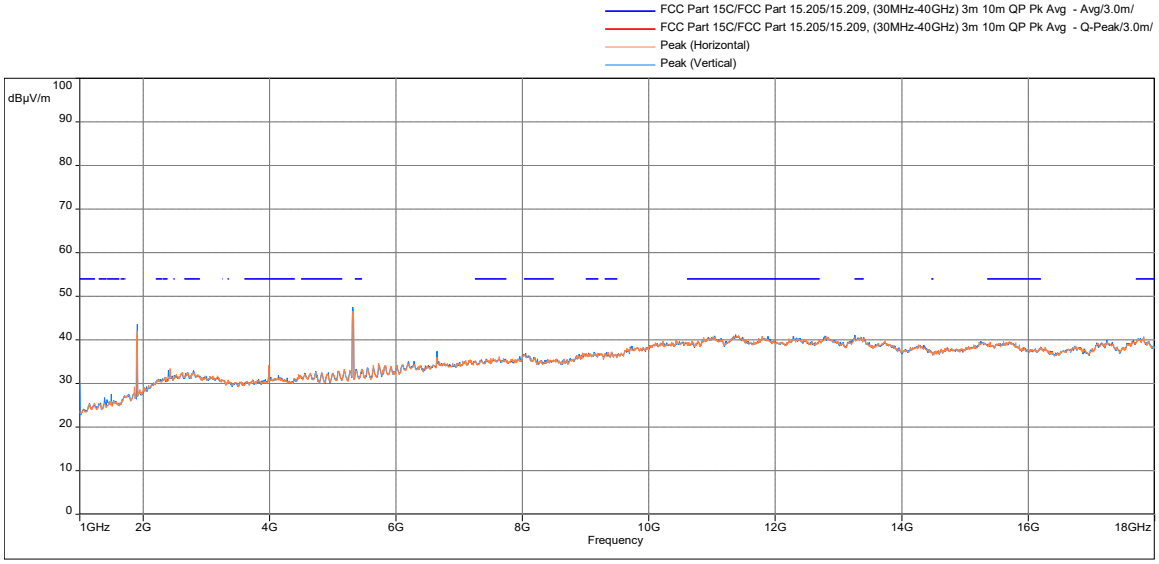


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
399.990	27.84	46.00	-18.16	307.12	Horizontal	-10.45
1000.000	32.50	54.00	-21.50	283.86	Horizontal	0.54
399.990	22.10	46.00	-23.90	184.36	Vertical	-10.45
608.282	22.09	46.00	-23.91	220.93	Horizontal	-6.44
610.610	21.75	46.00	-24.25	194.08	Horizontal	-6.30
74.426	15.63	40.00	-24.37	25.60	Vertical	-16.98

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

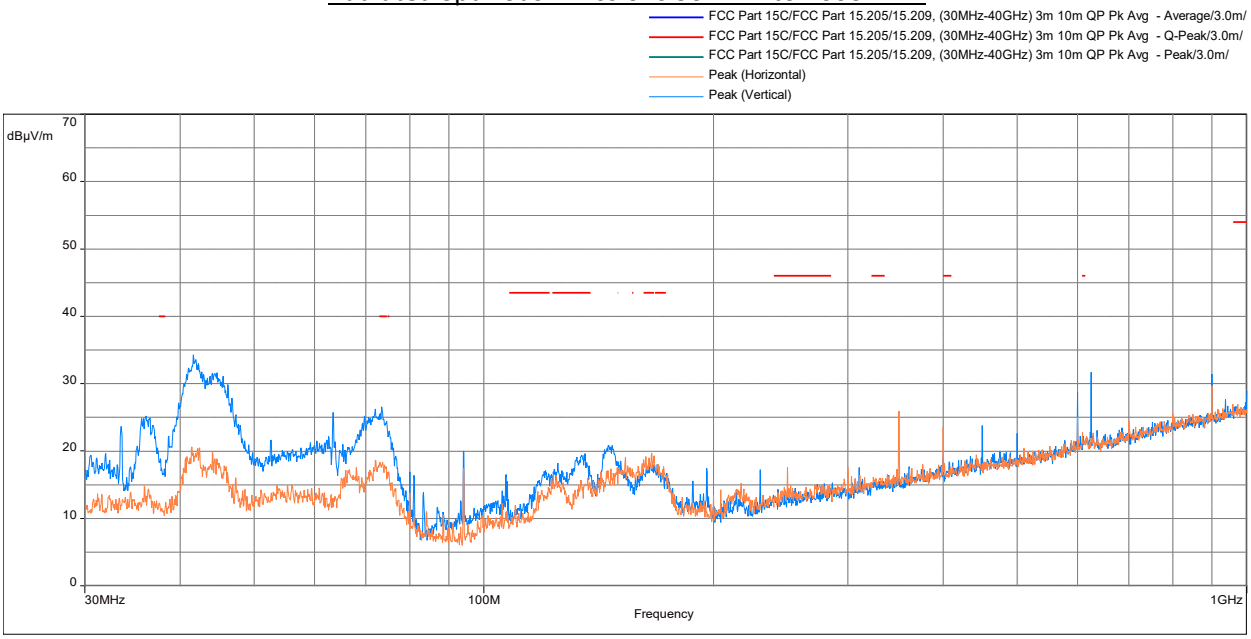


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17794.300	Peak	51.88	74.00	-22.12	280.11	Vertical	8.05
17811.867	Peak	51.76	74.00	-22.24	159.09	Horizontal	8.14
10931.400	Peak	51.10	74.00	-22.90	332.24	Horizontal	-1.00
11373.967	Average	41.20	54.00	-12.80	258.65	Vertical	-0.77
13258.133	Average	41.13	54.00	-12.87	0.00	Vertical	2.72
11421.567	Average	40.99	54.00	-13.01	8.20	Horizontal	-0.79

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

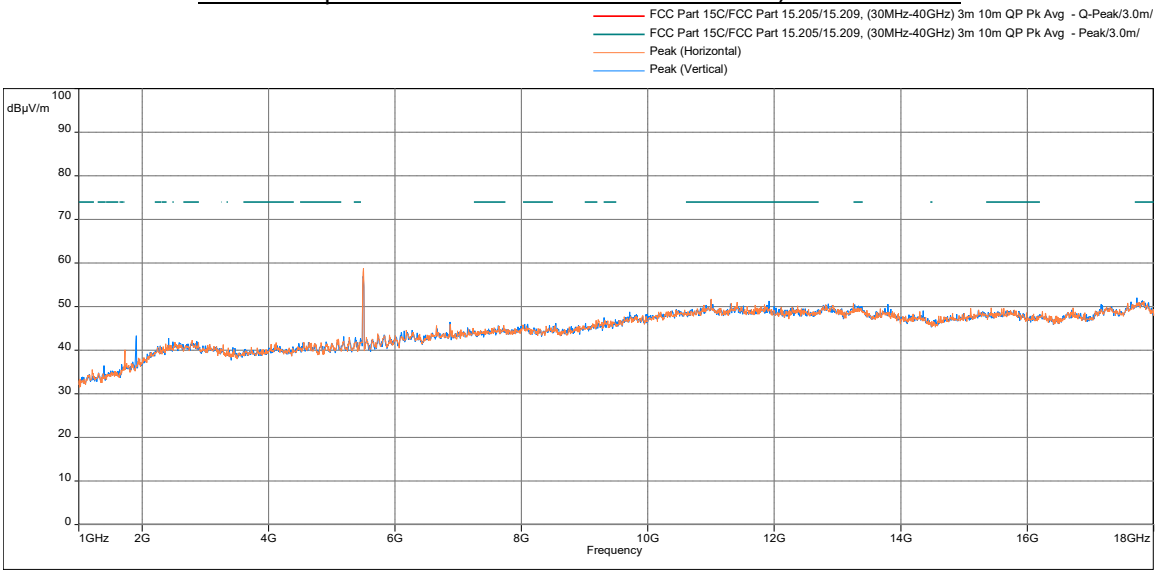
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5500MHz, Charging Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

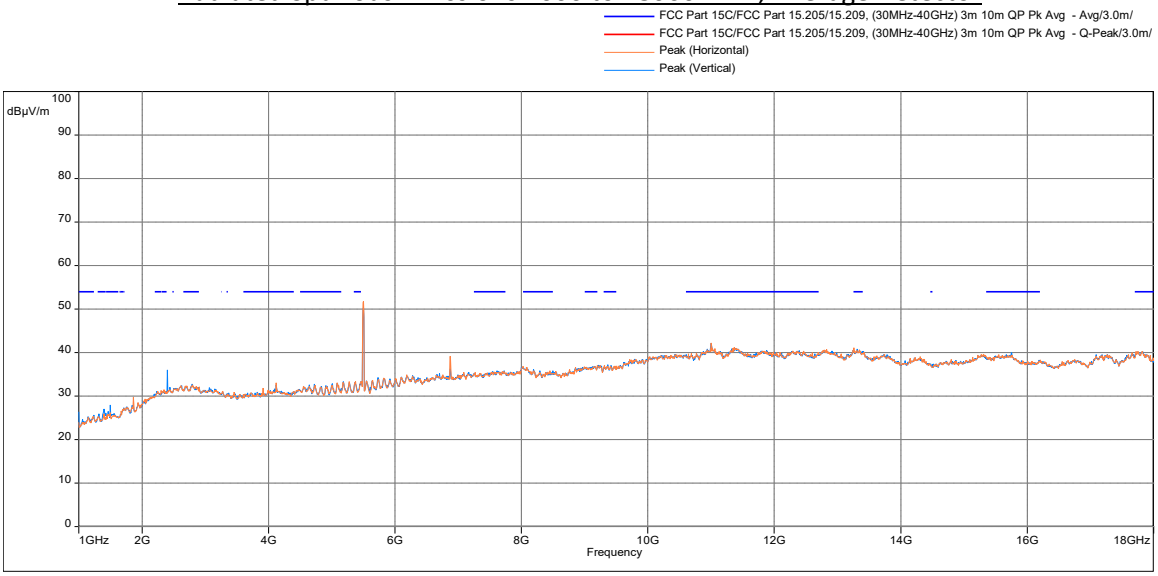


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.488	26.59	40.00	-13.41	108.18	Vertical	-16.71
399.990	23.59	46.00	-22.41	359.85	Horizontal	-10.45
609.025	22.76	46.00	-23.24	359.85	Horizontal	-6.36
609.219	22.28	46.00	-23.72	75.71	Vertical	-6.36
165.929	19.72	43.50	-23.78	244.98	Horizontal	-13.44
610.739	22.18	46.00	-23.82	164.70	Vertical	-6.28

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

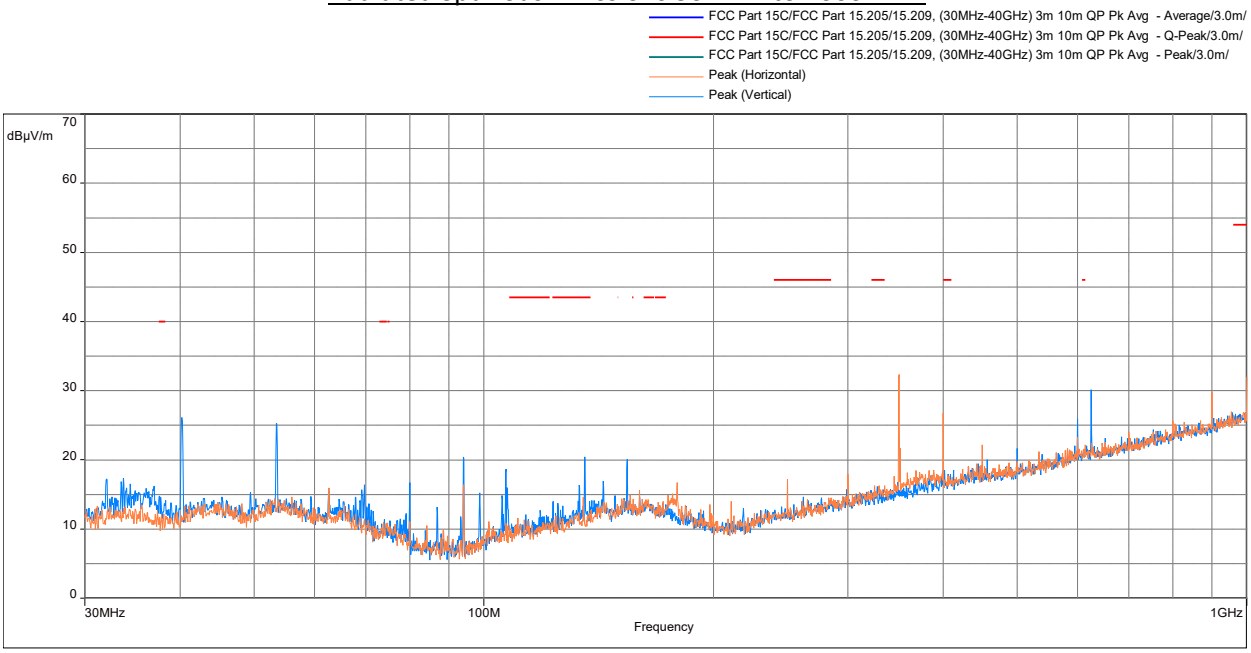


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17736.500	Peak	52.06	74.00	-21.94	347.25	Vertical	7.66
10999.967	Peak	51.79	74.00	-22.21	76.65	Horizontal	-0.98
10994.300	Peak	51.53	74.00	-22.47	2.91	Vertical	-0.99
10998.833	Average	42.20	54.00	-11.80	100.55	Horizontal	-0.98
10998.833	Average	42.15	54.00	-11.85	0.00	Vertical	-0.98
11369.433	Average	41.17	54.00	-12.83	0.00	Horizontal	-0.77

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

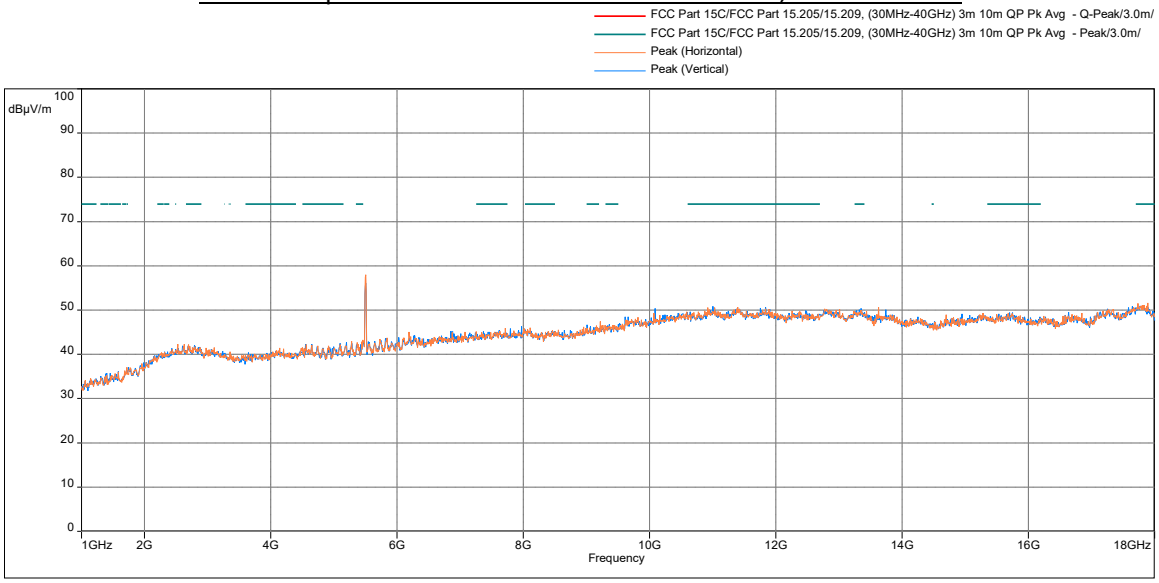
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5500MHz, Battery Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

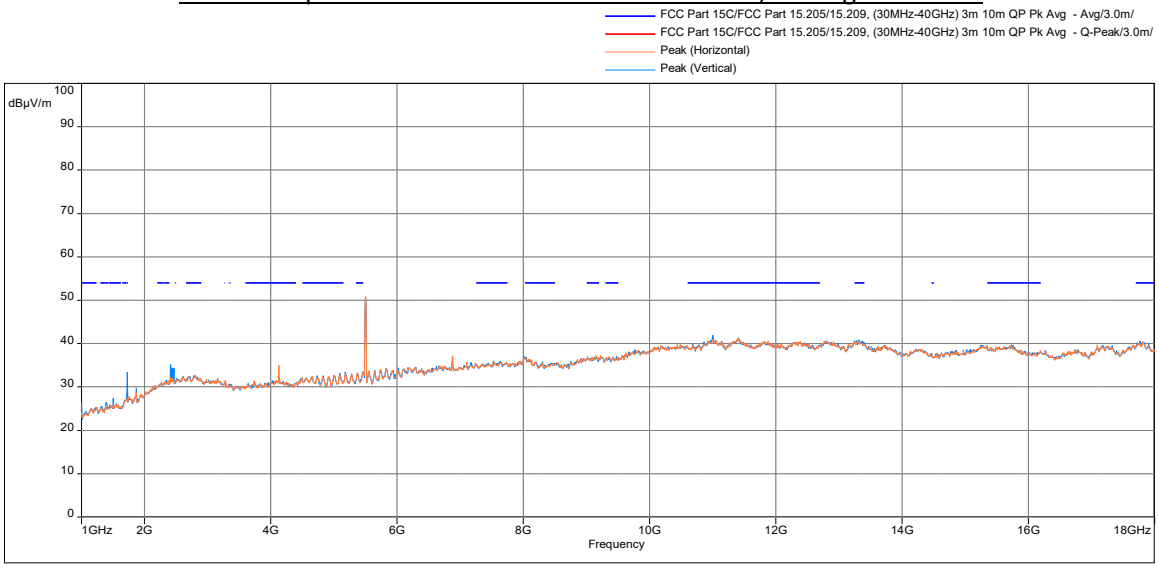


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
399.990	26.76	46.00	-19.24	244.98	Horizontal	-10.45
1000.000	32.02	54.00	-21.98	172.83	Horizontal	0.54
135.633	20.43	43.50	-23.07	94.57	Vertical	-14.73
611.386	21.60	46.00	-24.40	95.07	Horizontal	-6.26
610.448	21.43	46.00	-24.57	306.61	Vertical	-6.31
997.381	26.89	54.00	-27.11	286.67	Horizontal	0.51

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

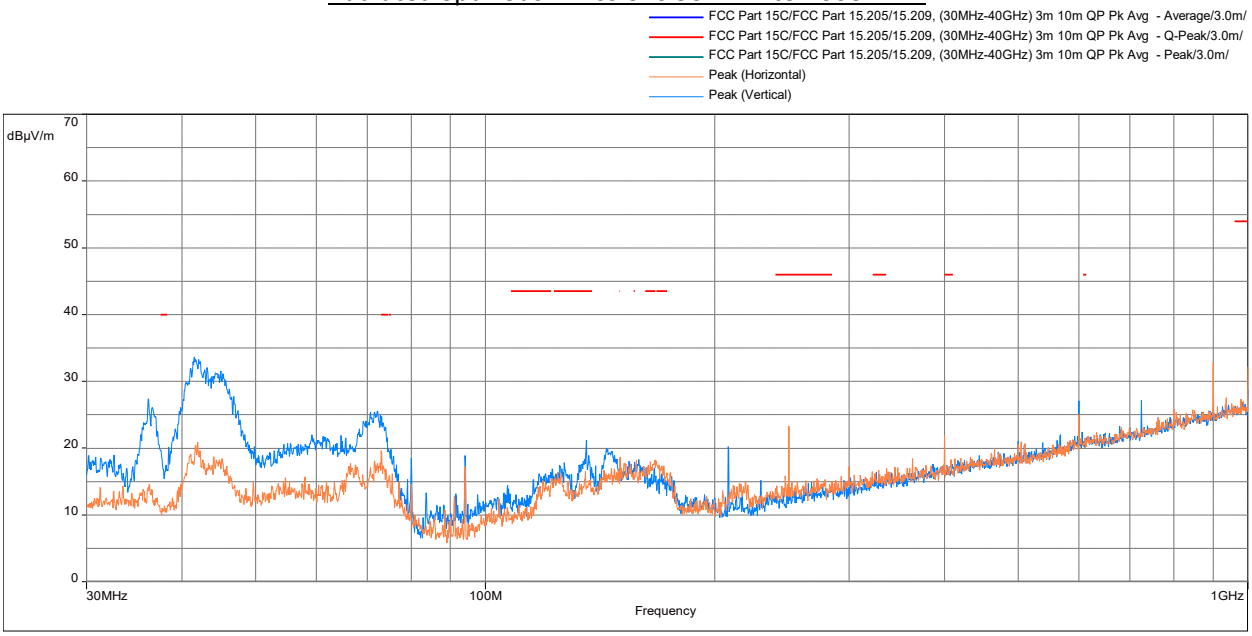


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17894.033	Peak	51.64	74.00	-22.36	267.74	Horizontal	8.44
17828.867	Peak	51.11	74.00	-22.89	216.83	Vertical	8.23
11000.533	Peak	50.91	74.00	-23.09	0.00	Vertical	-0.98
11004.500	Average	41.96	54.00	-12.04	0.00	Vertical	-0.99
11405.700	Average	41.32	54.00	-12.68	166.71	Vertical	-0.76
11402.867	Average	41.29	54.00	-12.71	54.19	Horizontal	-0.76

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

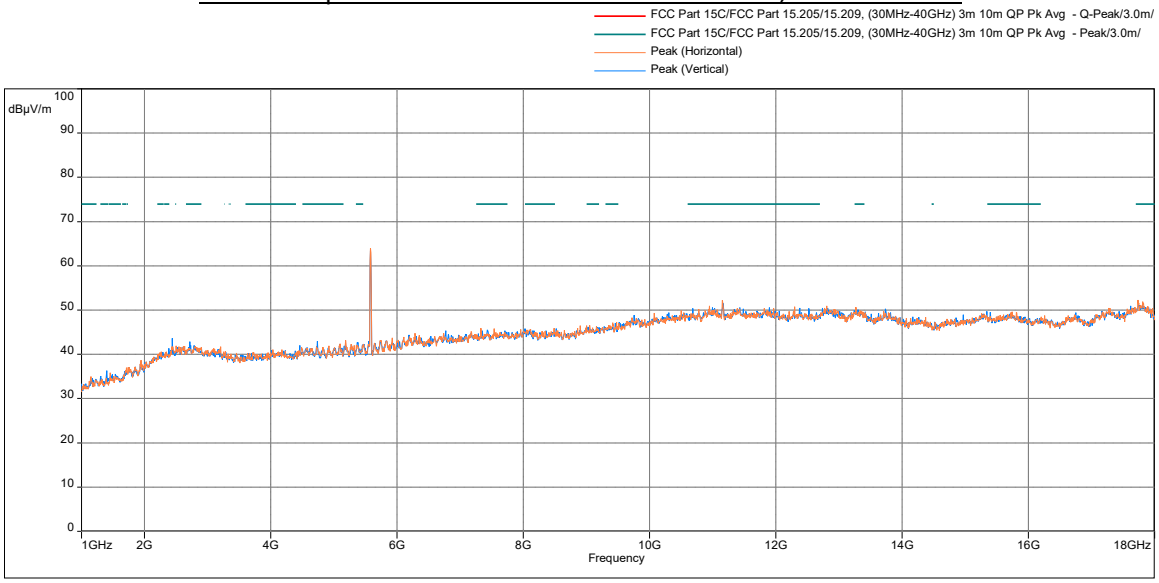
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5580MHz, Charging Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

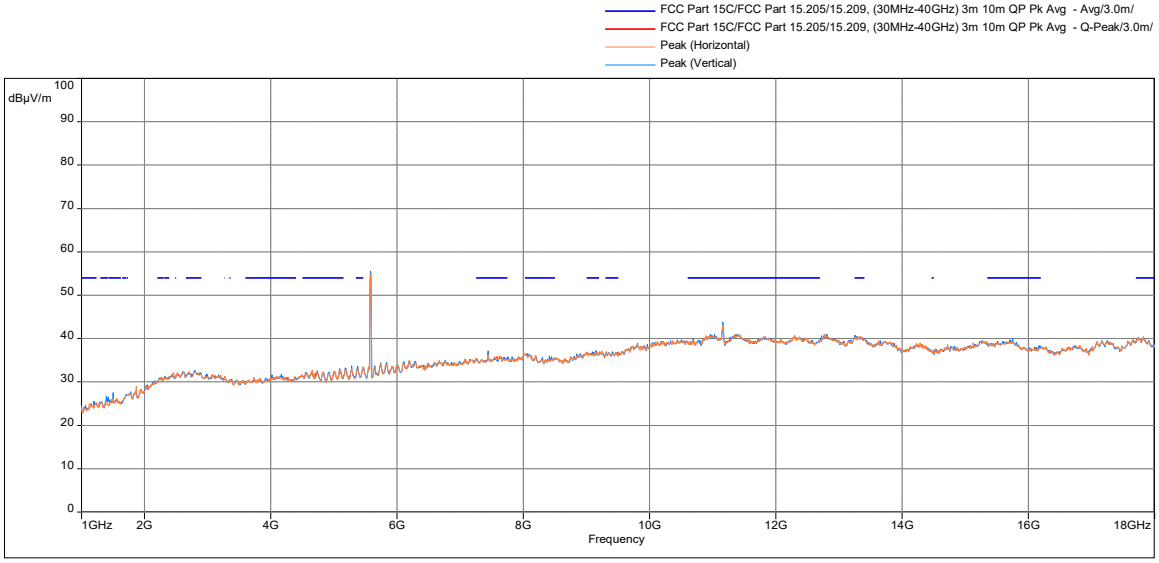


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.068	19.63	40.00	-20.37	51.37	Horizontal	-16.59
1000.000	32.20	54.00	-21.80	249.81	Horizontal	0.54
135.633	21.20	43.50	-22.30	346.39	Vertical	-14.73
249.996	23.30	46.00	-22.70	66.21	Horizontal	-14.61
399.990	21.93	46.00	-24.07	63.40	Horizontal	-10.45
613.940	21.56	46.00	-24.44	43.67	Vertical	-6.15

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

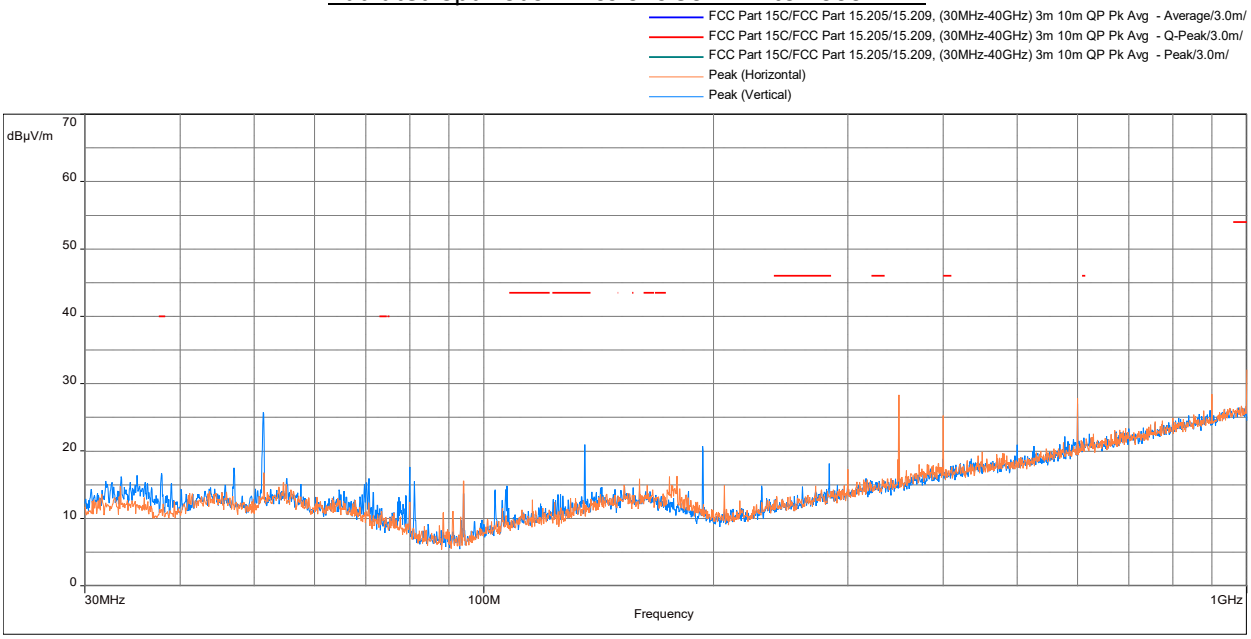


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17734.800	Peak	52.27	74.00	-21.73	40.93	Horizontal	7.65
11154.667	Peak	52.19	74.00	-21.81	76.72	Horizontal	-0.89
11166.000	Peak	51.56	74.00	-22.44	165.49	Vertical	-0.88
11161.467	Average	43.86	54.00	-10.14	28.40	Vertical	-0.89
11157.500	Average	43.12	54.00	-10.88	285.23	Horizontal	-0.89
11394.933	Average	41.02	54.00	-12.98	28.40	Vertical	-0.76

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

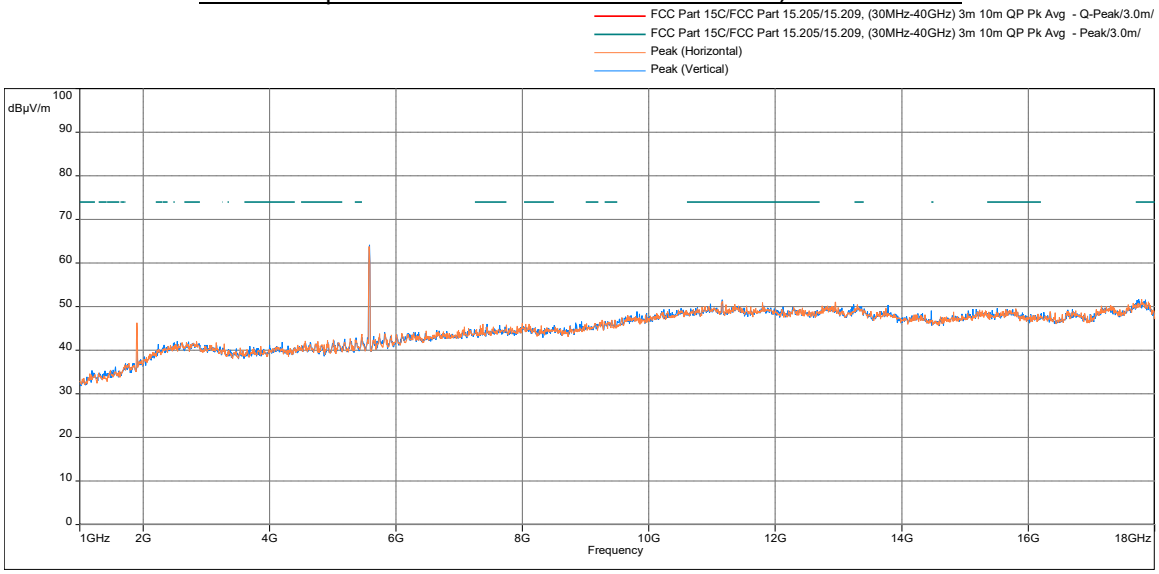
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5580MHz, Battery Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

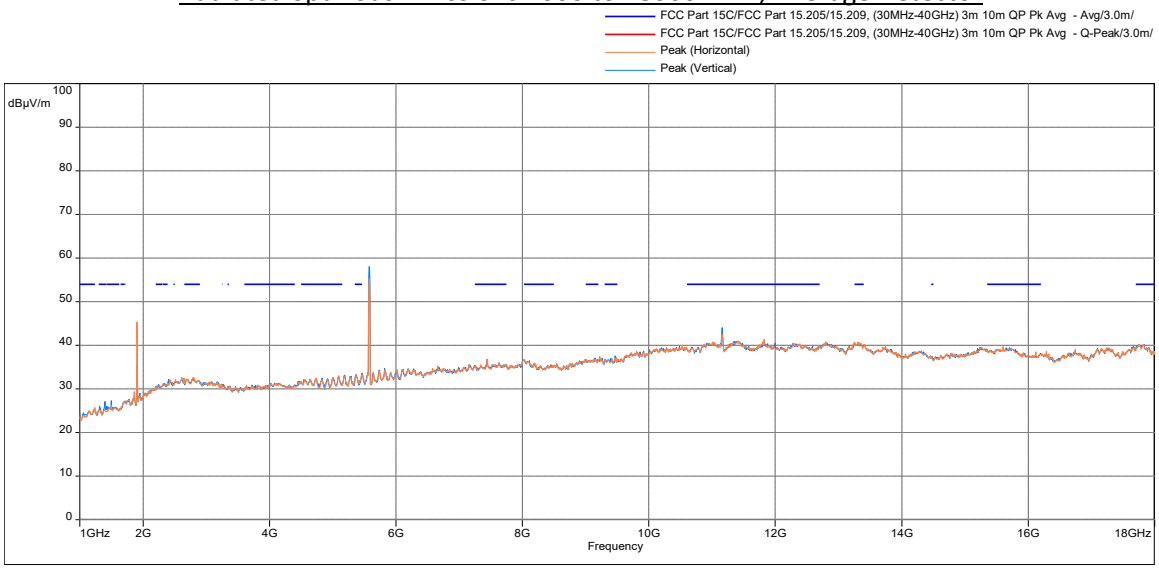


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
399.990	25.30	46.00	-20.70	42.15	Horizontal	-10.45
1000.000	32.07	54.00	-21.93	272.27	Horizontal	0.54
135.633	20.91	43.50	-22.59	170.32	Vertical	-14.73
37.825	16.70	40.00	-23.30	161.10	Vertical	-14.10
611.289	21.95	46.00	-24.05	89.75	Vertical	-6.26
611.903	21.68	46.00	-24.32	268.52	Vertical	-6.26

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

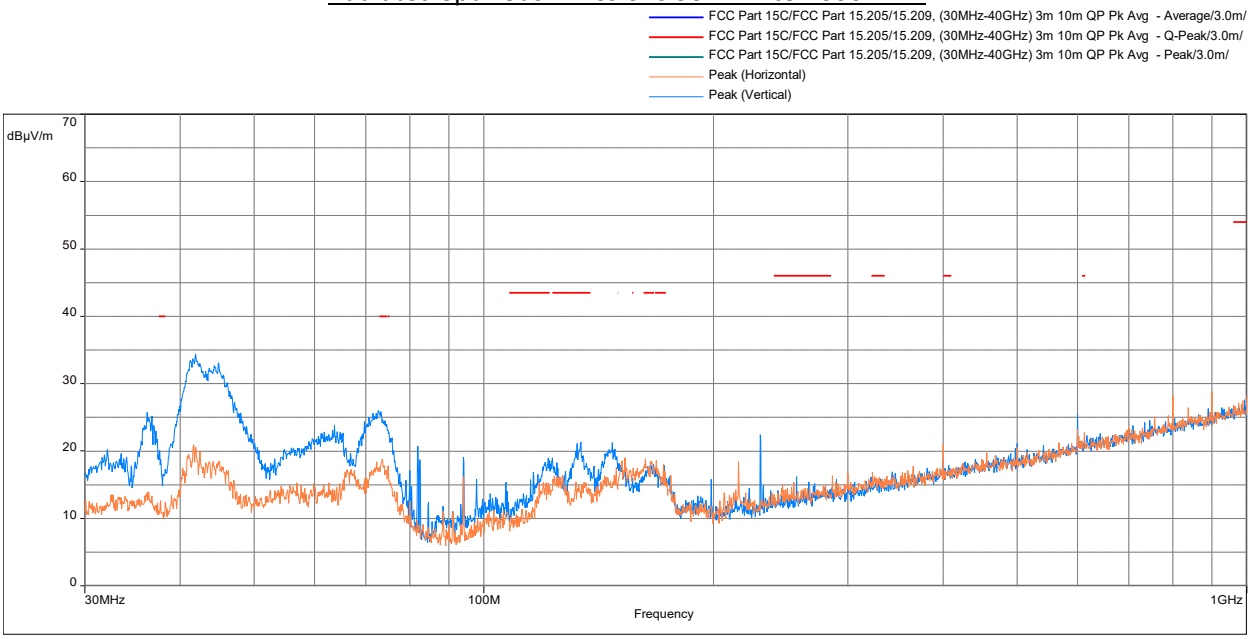


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17793.733	Peak	51.66	74.00	-22.34	339.80	Horizontal	8.04
17750.100	Peak	51.64	74.00	-22.36	0.00	Vertical	7.75
11159.767	Peak	51.58	74.00	-22.42	12.10	Vertical	-0.89
11160.900	Average	44.12	54.00	-9.88	0.00	Vertical	-0.89
11158.067	Average	42.54	54.00	-11.46	101.35	Horizontal	-0.89
11824.467	Average	41.36	54.00	-12.64	0.00	Horizontal	-0.39

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

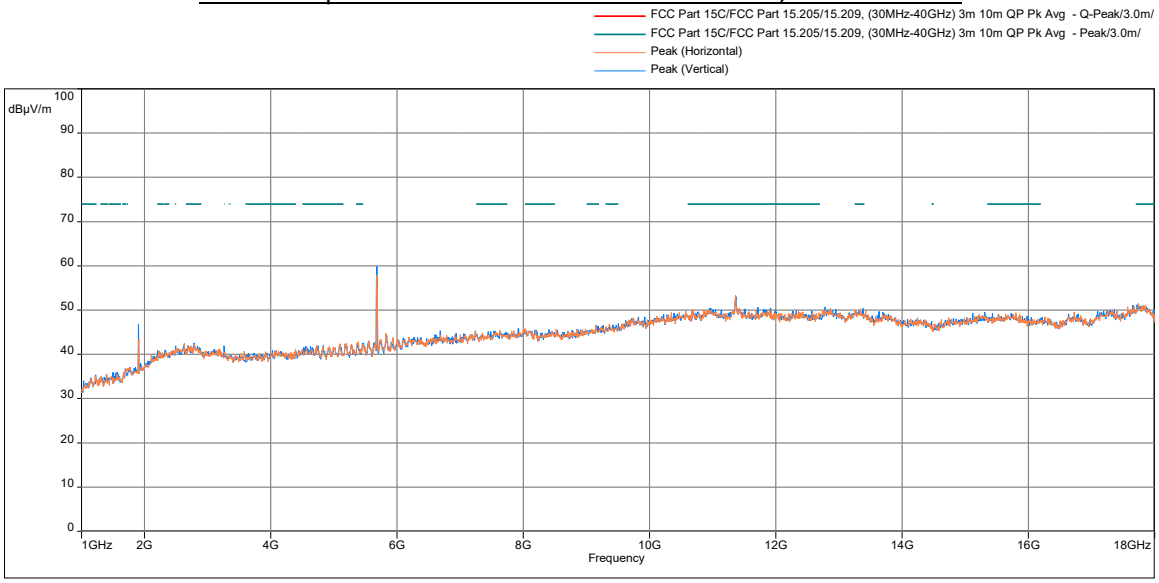
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5680MHz, Charging Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

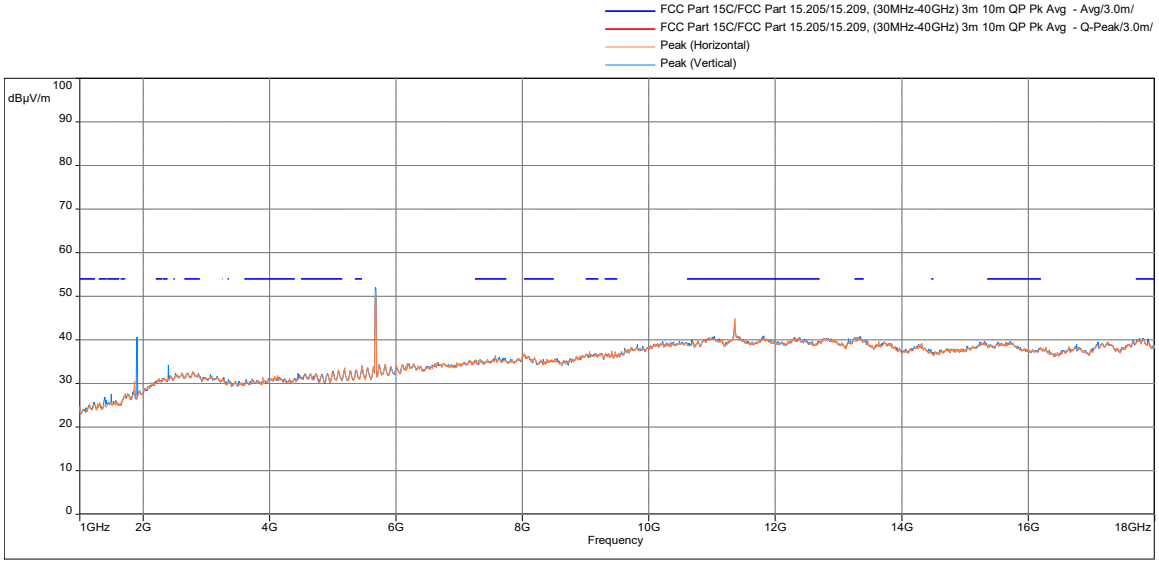


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
73.618	18.82	40.00	-21.18	75.42	Horizontal	-16.74
134.016	21.33	43.50	-22.17	355.22	Vertical	-14.96
74.911	17.81	40.00	-22.19	44.96	Horizontal	-17.12
132.529	21.15	43.50	-22.35	347.06	Vertical	-15.12
612.647	22.77	46.00	-23.23	201.28	Horizontal	-6.19
608.023	21.54	46.00	-24.46	329.15	Horizontal	-6.46

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

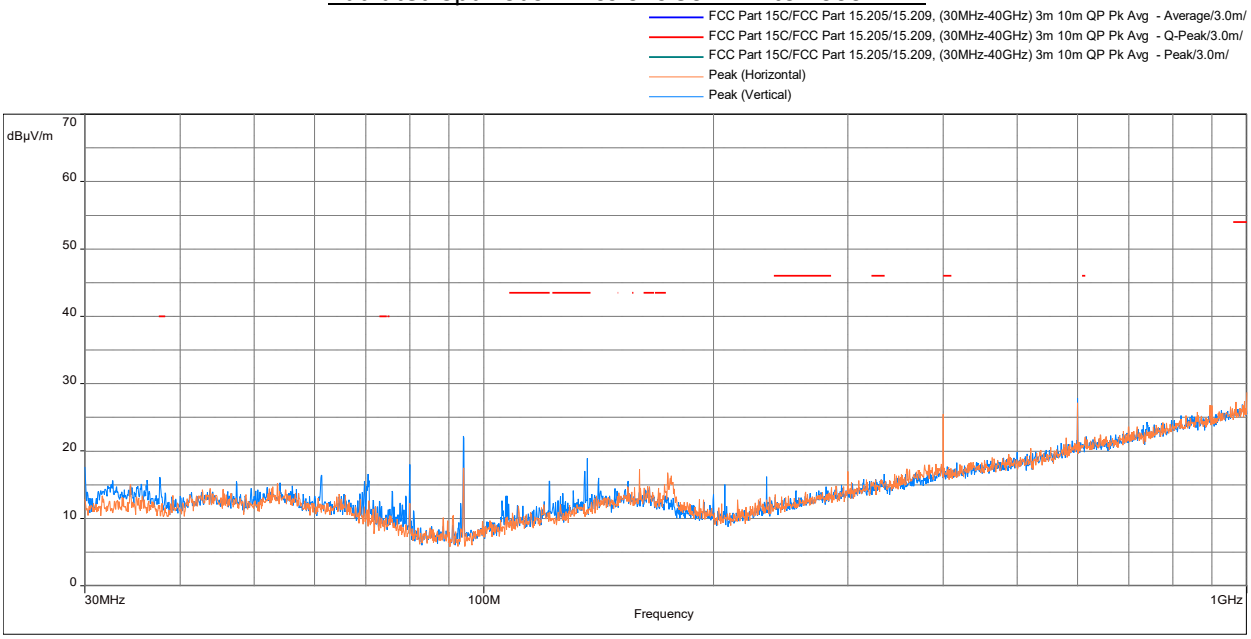


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
11361.500	Peak	53.36	74.00	-20.64	341.38	Horizontal	-0.78
11367.167	Peak	53.05	74.00	-20.95	53.90	Vertical	-0.78
17745.000	Peak	51.49	74.00	-22.51	193.35	Horizontal	7.72
11361.500	Average	44.95	54.00	-9.05	304.23	Horizontal	-0.78
11360.933	Average	43.72	54.00	-10.28	350.13	Vertical	-0.78
13338.033	Average	40.84	54.00	-13.16	0.00	Vertical	2.79

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

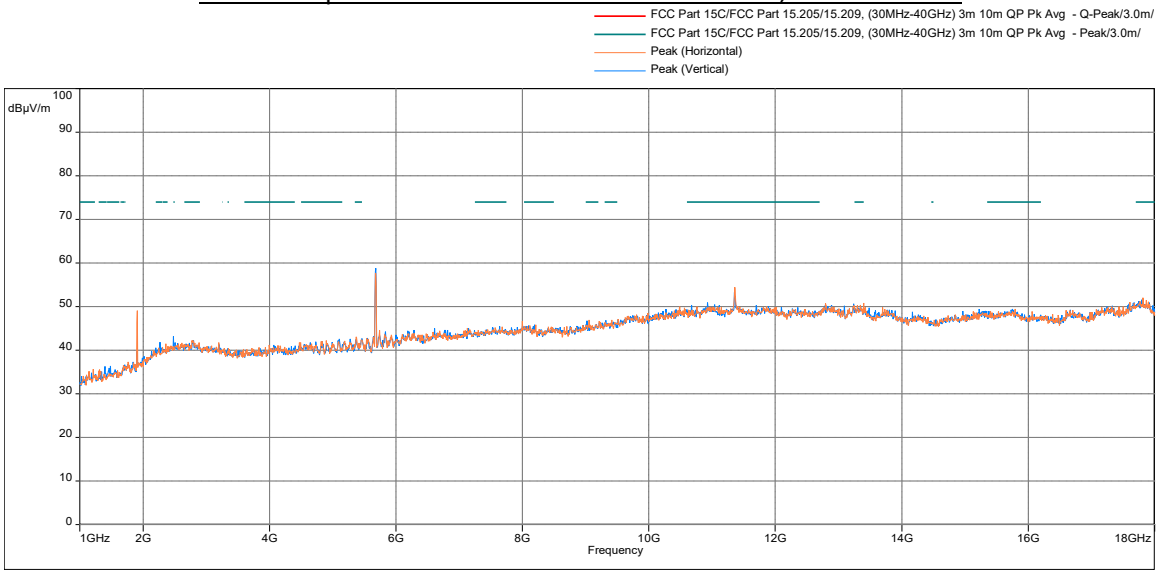
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5680MHz, Battery Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

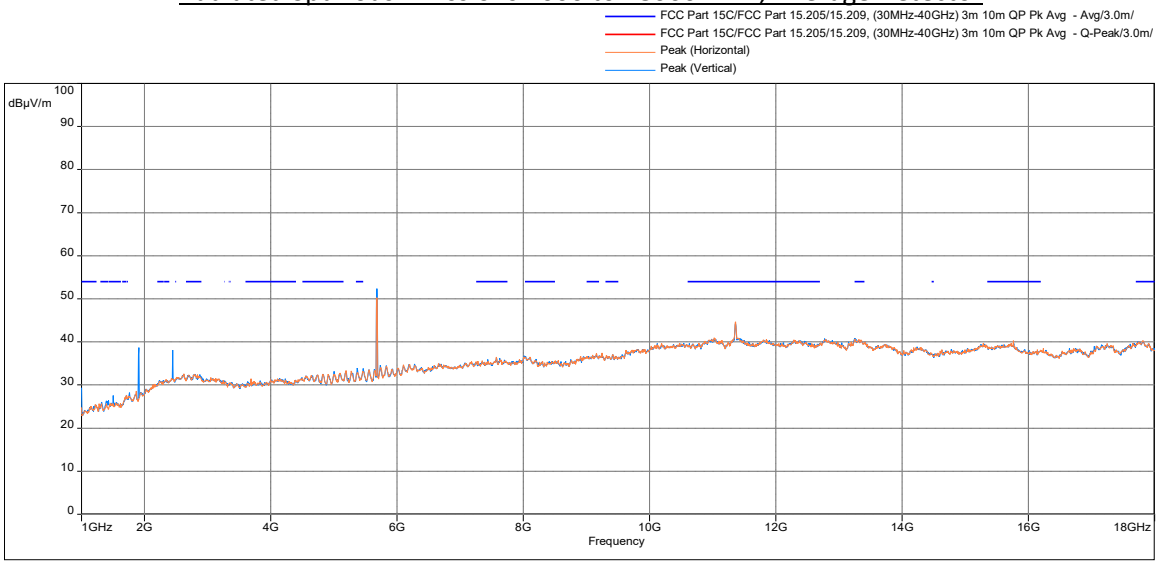


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
399.990	25.50	46.00	-20.50	272.27	Horizontal	-10.45
37.631	16.17	40.00	-23.83	137.05	Vertical	-14.10
613.390	21.64	46.00	-24.36	301.14	Horizontal	-6.15
136.635	18.90	43.50	-24.60	86.94	Vertical	-14.59
609.769	21.02	46.00	-24.98	8.29	Vertical	-6.36
609.349	20.90	46.00	-25.10	118.33	Horizontal	-6.36

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

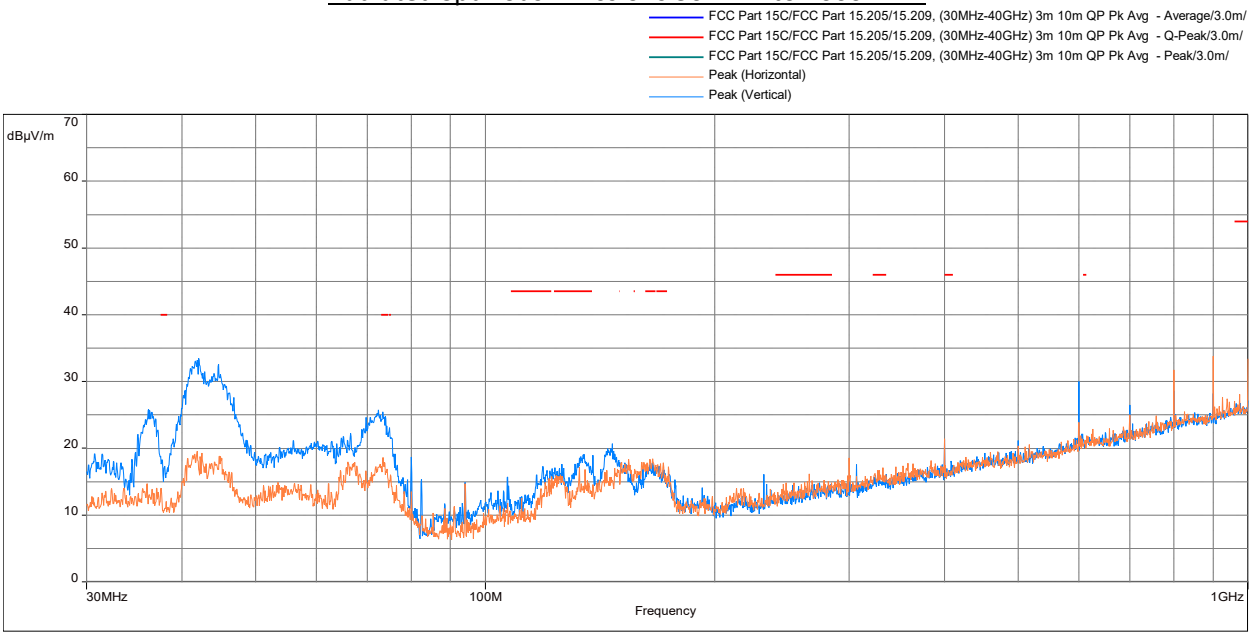


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
11361.500	Peak	54.41	74.00	-19.59	282.07	Horizontal	-0.78
11354.700	Peak	53.27	74.00	-20.73	333.03	Vertical	-0.78
17814.700	Peak	52.07	74.00	-21.93	18.25	Horizontal	8.16
11358.667	Average	44.68	54.00	-9.32	285.23	Horizontal	-0.78
11359.233	Average	44.25	54.00	-9.75	305.02	Vertical	-0.78
11023.200	Average	40.98	54.00	-13.02	54.98	Horizontal	-1.00

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

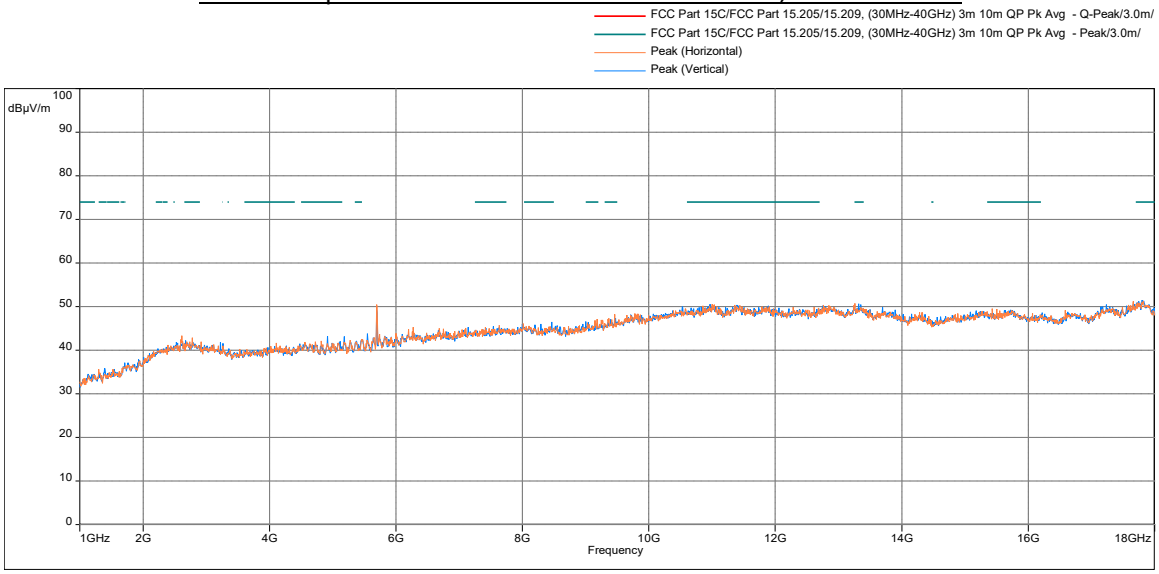
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5700MHz, Charging Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

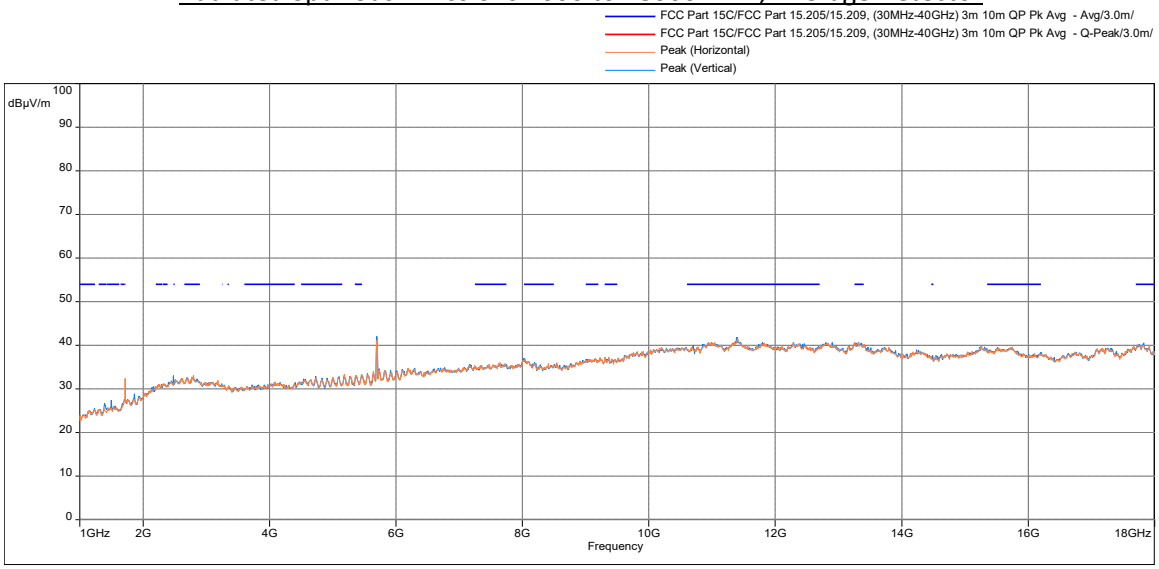


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
1000.000	33.39	54.00	-20.61	251.39	Horizontal	0.54
73.391	18.61	40.00	-21.39	60.59	Horizontal	-16.68
134.728	19.07	43.50	-24.43	0.08	Vertical	-14.89
399.990	21.45	46.00	-24.55	126.32	Horizontal	-10.45
608.282	21.35	46.00	-24.65	11.24	Vertical	-6.44
399.990	21.29	46.00	-24.71	124.24	Vertical	-10.45

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

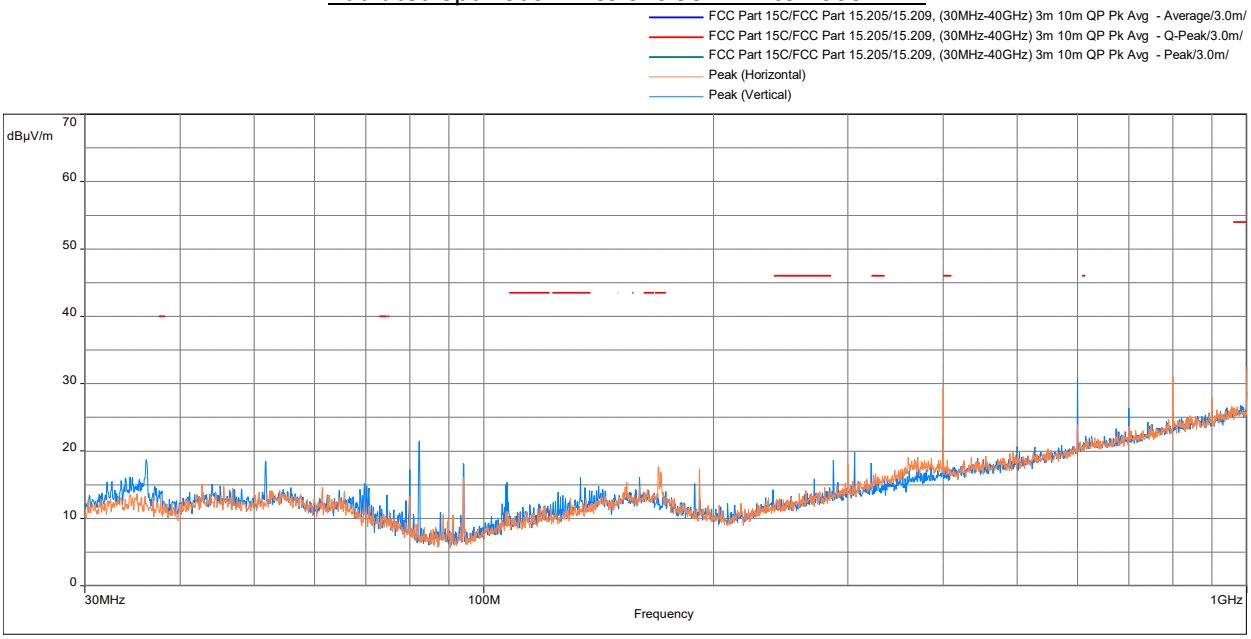


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17801.100	Peak	51.46	74.00	-22.54	53.25	Vertical	8.09
17819.233	Peak	51.33	74.00	-22.67	85.07	Horizontal	8.18
13257.000	Peak	50.76	74.00	-23.24	48.07	Horizontal	2.71
11384.167	Average	41.86	54.00	-12.14	0.00	Vertical	-0.76
11403.433	Average	41.66	54.00	-12.34	0.00	Horizontal	-0.76
13321.600	Average	40.68	54.00	-13.32	54.18	Vertical	2.82

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

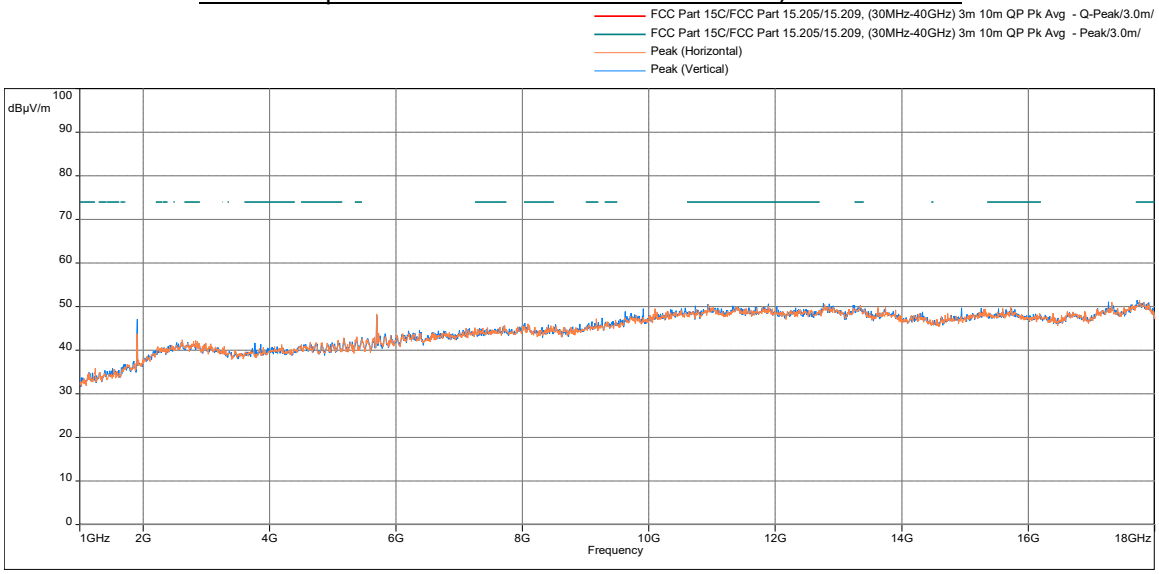
Test Results: 15.209 Radiated Spurious Emissions
Tx at 802.11a, 5700MHz, Battery Mode

Radiated Spurious Emissions 30 MHz to 1000 MHz

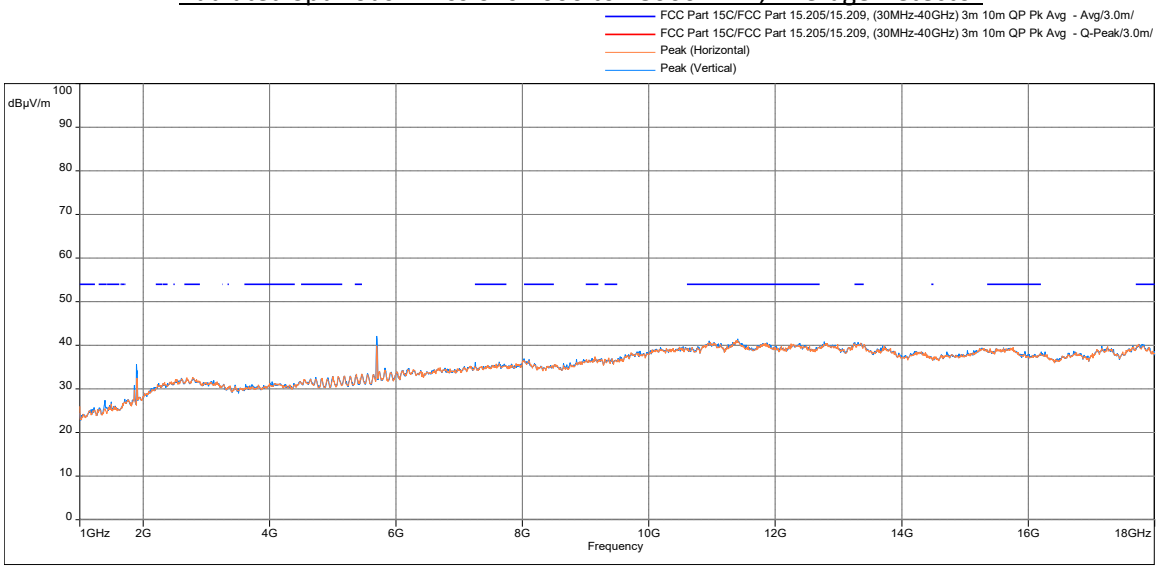


Freq. (MHz)	QPeak@ 3m (dBµV/m)	Lim. QPeak @3m (dBµV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
399.990	29.54	46.00	-16.46	98.68	Horizontal	-10.45
1000.000	32.50	54.00	-21.50	113.51	Horizontal	0.54
399.990	22.08	46.00	-23.92	174.35	Vertical	-10.45
610.965	21.26	46.00	-24.74	284.58	Vertical	-6.26
1000.000	28.80	54.00	-25.20	1.65	Vertical	0.54
169.454	17.69	43.50	-25.81	199.69	Horizontal	-13.69

Radiated Spurious Emissions 1000 to 18000 MHz, Peak Detector



Radiated Spurious Emissions 1000 to 18000 MHz, Average Detector

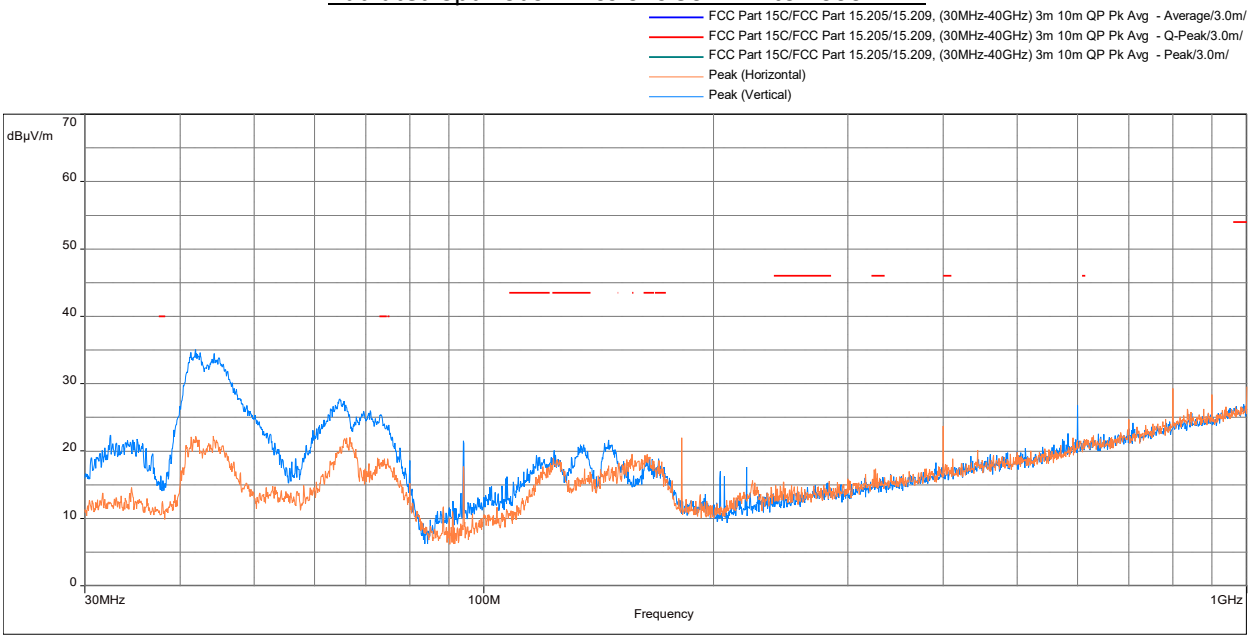


Freq. (MHz)	Detector Mode PK/QP/AV	FS (dBµV/m)	PK/AV Limit dB(µV/m)	Margin (dB)	Angle (°)	Polarity	Correction (dB)
17719.500	Peak	51.51	74.00	-22.49	289.63	Vertical	7.56
17764.267	Peak	51.49	74.00	-22.51	62.39	Horizontal	7.85
11891.333	Peak	50.70	74.00	-23.30	150.37	Vertical	-0.38
11405.133	Average	41.47	54.00	-12.53	120.34	Vertical	-0.76
11401.167	Average	41.14	54.00	-12.86	285.23	Horizontal	-0.76
10955.200	Average	41.02	54.00	-12.98	27.61	Vertical	-0.99

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 802.11a, 5720MHz, Charging Mode

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)
399.990	23.70	46.00	-22.30	125.53	Horizontal	-10.45
135.148	20.96	43.50	-22.54	26.03	Vertical	-14.83
123.670	20.07	43.50	-23.43	0.15	Vertical	-16.04
163.763	19.49	43.50	-24.01	276.66	Horizontal	-13.25
117.203	19.41	43.50	-24.09	206.82	Vertical	-16.44
162.664	19.37	43.50	-24.13	276.66	Horizontal	-13.25