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The Boeing Co. TEST REPORT

SCOPE OF WORK

EMC TESTING – WI-FI MODULE

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EMC TEST REPORT

(FULL COMPLIANCE)

Report Number: 104056598LEX-004.3B

Project Number: G104056598

Report Issue Date: 4/12/2021

Model(s) Tested: Wi-Fi Module

Standards: FCC Part 15B
ICES-003 Issue 6
FCC Part 15C, FCC Part 15E
(Radiated Spurious Emissions)
RSS-247 Issue 2
(Radiated Spurious Emissions)

Tested by:
Intertek Testing Services NA, Inc.
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Lexington, KY 40510
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Client:
The Boeing Co.
Spectrum Management, MC 1K-105
P.O. Box 3707
Seattle, WA 98124-2207
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Report prepared by



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Report reviewed by



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1 Introduction and Conclusion

The tests indicated in section 2.0 were performed on the product constructed as described in section 4.0. The remaining test sections are the verbatim text from the actual data sheets used during the investigation. These test sections include the test name, the specified test Method, a list of the actual Test Equipment Used, documentation Photos, Results and raw Data. No additions, deviations, or exclusions have been made from the standard(s) unless specifically noted.

Based on the results of our investigation, we have concluded the product tested **complies** with the requirements of the standard(s) indicated. The results obtained in this test report pertain only to the item(s) tested. Intertek does not make any claims of compliance for samples or variants which were not tested.

2 Test Summary

Section	Test full name	Result
6	Radiated Emissions (Transmitters Idle) (ANSI C63.4:2014)	Pass
6	Radiated Spurious Emissions (Transmitters Active) (ANSI C63.10:2013)	Pass

Note: Testing was limited to Radiated spurious emissions due to the integration of a certified transmitter module that was not modified by The Boeing Co. Engineering judgement was used to determine that the band edge measurements were not necessary due to the fact that the module originally passed with a margin of 4.5dB and the new antenna being used was of lesser gain than that . Output power measurements were not performed since the client made no modifications to the originally certified module.



3 Client Information

This product was tested at the request of the following:

Client Information	
Client Name:	The Boeing Co.
Address:	Spectrum Management, MC 1K-105 P.O. Box 3707 Seattle, WA 98124-2207 USA
Contact:	Joel Thorsheim
Email:	joel.d.thorsheim@boeing.com
Manufacturer Information	
Manufacturer Name:	The Boeing Co.
Manufacturer Address:	90 Laurel View Drive Smithfield, PA 15478 USA



4 Description of Equipment under Test and Variant Models

Equipment Under Test	
Product Name	Wi-Fi Module
Supported Transmit Bands	802.11 a/b/g/n/ac/Bluetooth 4.2 2.4 GHz (2.4GHz - 2.5 GHz) 5 GHz (5.180 GHz - 5.825 GHz)
Embedded Module	Laird ST60-2230C-P
Embedded Module hardware Version	2.1
Embedded Module Software Version	Version 7.0.0.231
Embedded Module Firmware Version	88W8997_ST_pcie_uart_v5.4.23.1.bin
FCCID	H8V-60SIPT
Receive Date	1/20/2020
Test Start Date	1/23/2019
Test End Date	2/19/2020
Device Received Condition	Good
Test Sample Type	Production
Rated Voltage	3.3 VDC (2.97 - 3.63VDC)
Description of Equipment Under Test (provided by client)	
Wi-Fi Module	

4.1 Variant Models:

There were no variant models covered by this evaluation.



5 System Setup and Method

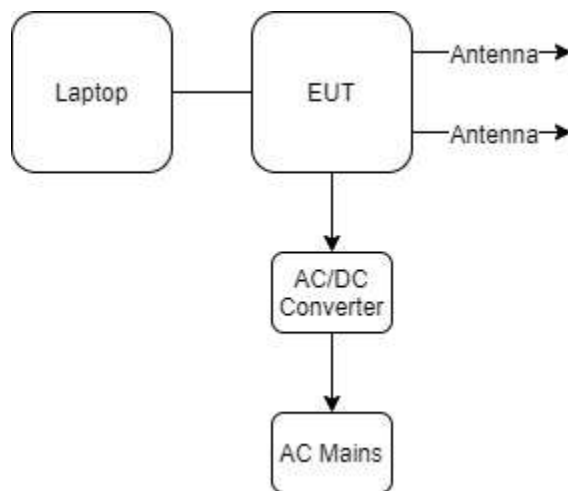
5.1 Method:

Configuration as required by ANSI C63.4:2014 and ANSI C63.10:2013.

No.	Descriptions of EUT Exercising
1	Attached to a laptop with a PCI connection, powered on, Wi-Fi turned on through PC terminal
2	Attached to a laptop with a PCI connection, powered on, no transmitters active

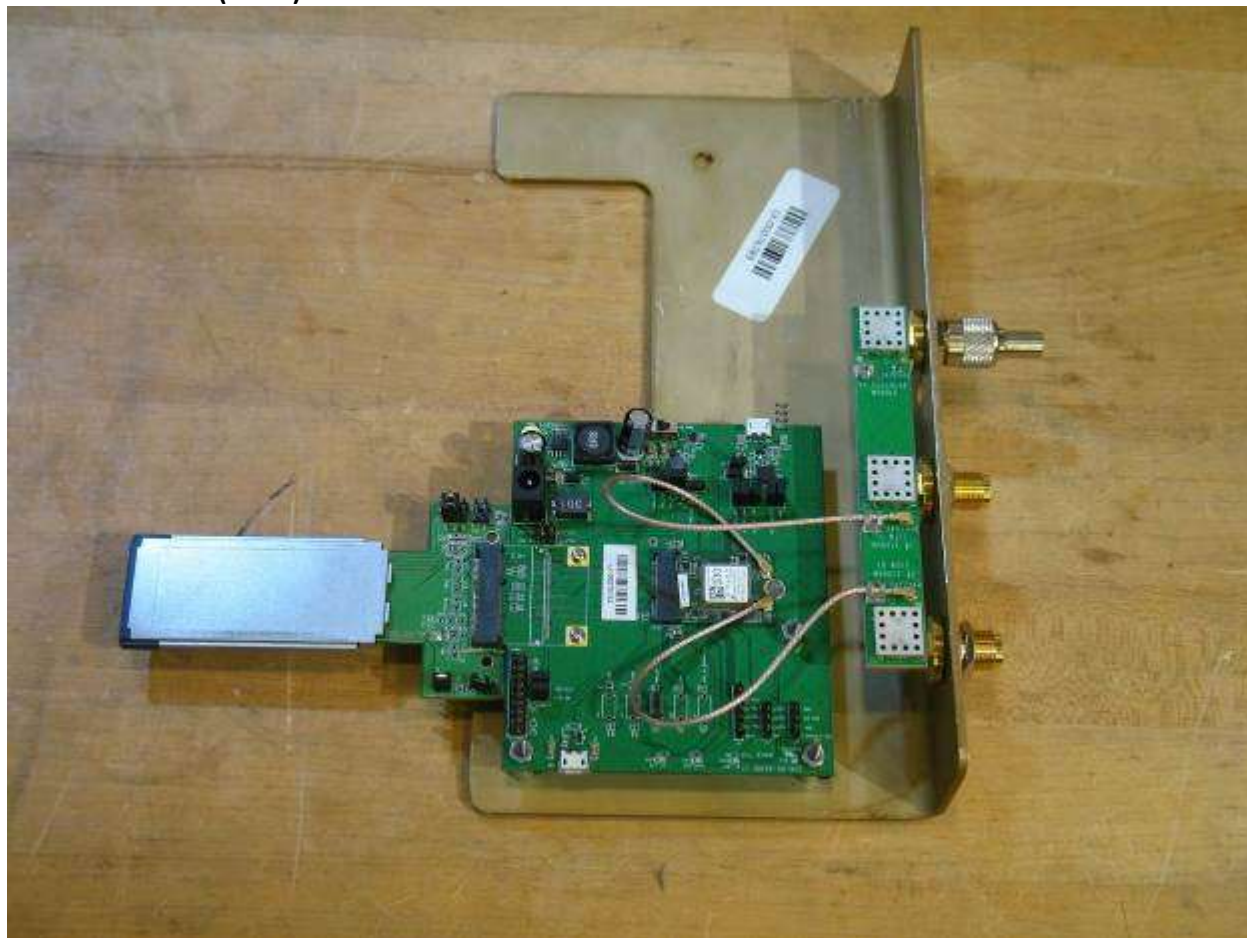
Cables					
ID	Description	Length (m)	Shielding	Ferrites	Termination
1	Power Cable	3m	None	None	AC Mains

5.2 EUT Block Diagram:



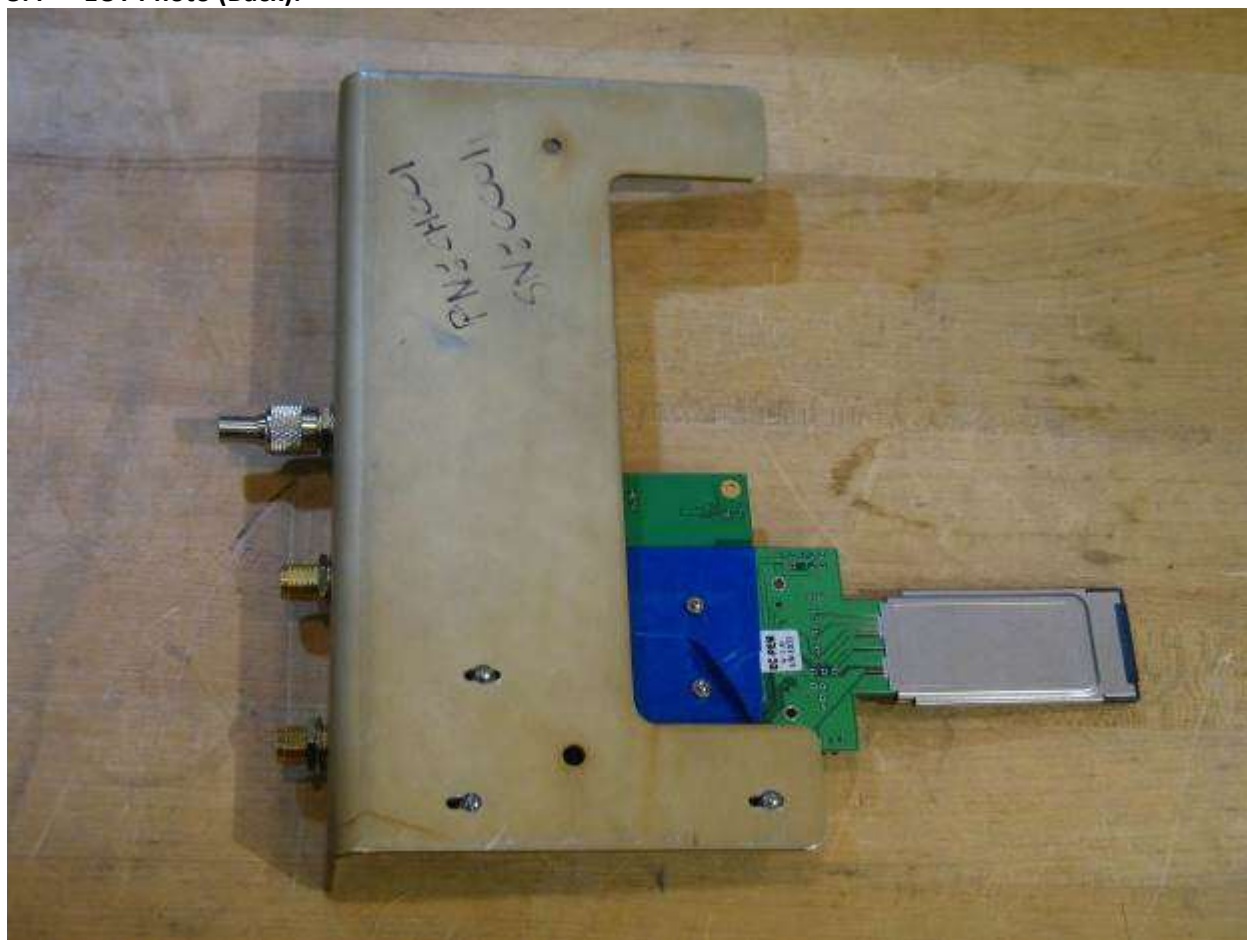


5.3 EUT Photo (Front):





5.4 EUT Photo (Back):





5.5 Antenna (AT2400-35B)





6 Radiated Emissions

6.1 Method

Tests are performed in accordance with ANSI C63.4:2014 and ANSI C63.10:2013.

TEST SITE: 10m ALSE

Site Designation: 10m Chamber

Measurement Uncertainty

Measurement	Frequency Range	Expanded Uncertainty (k=2)	Ucisp
Radiated Emissions, 10m	30-1000 MHz	3.9dB	6.3 dB
Radiated Emissions, 3m	30-1000 MHz	4.0dB	6.3 dB
Radiated Emissions, 3m	1-6 GHz	4.7dB	5.2 dB
Radiated Emissions, 3m	6-15 GHz	4.7dB	5.5 dB
Radiated Emissions, 3m	15-18 GHz	4.7dB	5.5 dB
Radiated Emissions, 3m	18-40 GHz	4.7dB	5.5 dB

As shown in the table above our radiated emissions U_{lab} is less than the corresponding U_{CISPR} reference value in CISPR 16-4-2 Table 1, hence the compliance of the product is only based on the measured value, and no measurement uncertainty correction is required.



6.2 Sample 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:

$$FS = RA + AF + CF - AG$$

Where

- FS = Field Strength in dB μ V/m
- RA = Receiver Amplitude (including preamplifier) in dB μ V
- CF = Cable Attenuation Factor in dB
- AF = Antenna Factor in dB
- AG = Amplifier Gain in dB

In the following table(s), the reading shown on the data table reflects the preamplifier gain. An example for the calculations in the following table is as follows.

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

$$RA = 52.0 \text{ dB}\mu\text{V}$$

$$AF = 7.4 \text{ dB/m}$$

$$CF = 1.6 \text{ dB}$$

$$AG = 29.0 \text{ dB}$$

$$FS = 32 \text{ dB}\mu\text{V/m}$$

To convert from dB μ V to μ V or mV the following was used:

$$UF = 10^{(NF / 20)} \text{ where } UF = \text{Net Reading in } \mu\text{V}$$
$$NF = \text{Net Reading in dB}\mu\text{V}$$

Example:

$$FS = RA + AF + CF - AG = 52.0 + 7.4 + 1.6 - 29.0 = 32.0$$

$$UF = 10^{(32 \text{ dB}\mu\text{V} / 20)} = 39.8 \mu\text{V/m}$$

**6.3 Test Equipment Used:**

Description	Asset	Manufacturer	Model	Cal Date	Cal Due
EMI Test Receiver	3900	Rohde & Schwarz	ESU40	9/18/2019	9/18/2020
Bilog Antenna (30MHz-1GHz)	7085	SunAR	JB6	8/8/2019	8/8/2020
Horn Antenna	3780	ETS Lindgren	3117	6/7/2019	6/7/2020
System Controller	4096	ETS Lindgren	2090	Verify at Time of Use	Verify at Time of Use
System Controller	3957	Sunol Sciences	SC99V	Verify at Time of Use	Verify at Time of Use
3m Cable Antenna→Preamp	3074			12/4/2019	12/4/2020
3m Cable Preamplifier	3918	Rohde & Schwarz	TS-PR18	12/4/2019	12/4/2020
3m Cable Preamp→Chamber	2588			12/4/2019	12/4/2020
3m Cable Chamber→Control Room	2593			12/4/2019	12/4/2020
3m Cable Control Room→Receiver	2592			12/4/2019	12/4/2020

6.4 Software Utilized:

Name	Manufacturer	Version
EMC32	Rohde & Schwarz	Version 9.15.02

6.5 Results:

The sample tested was found to Comply.

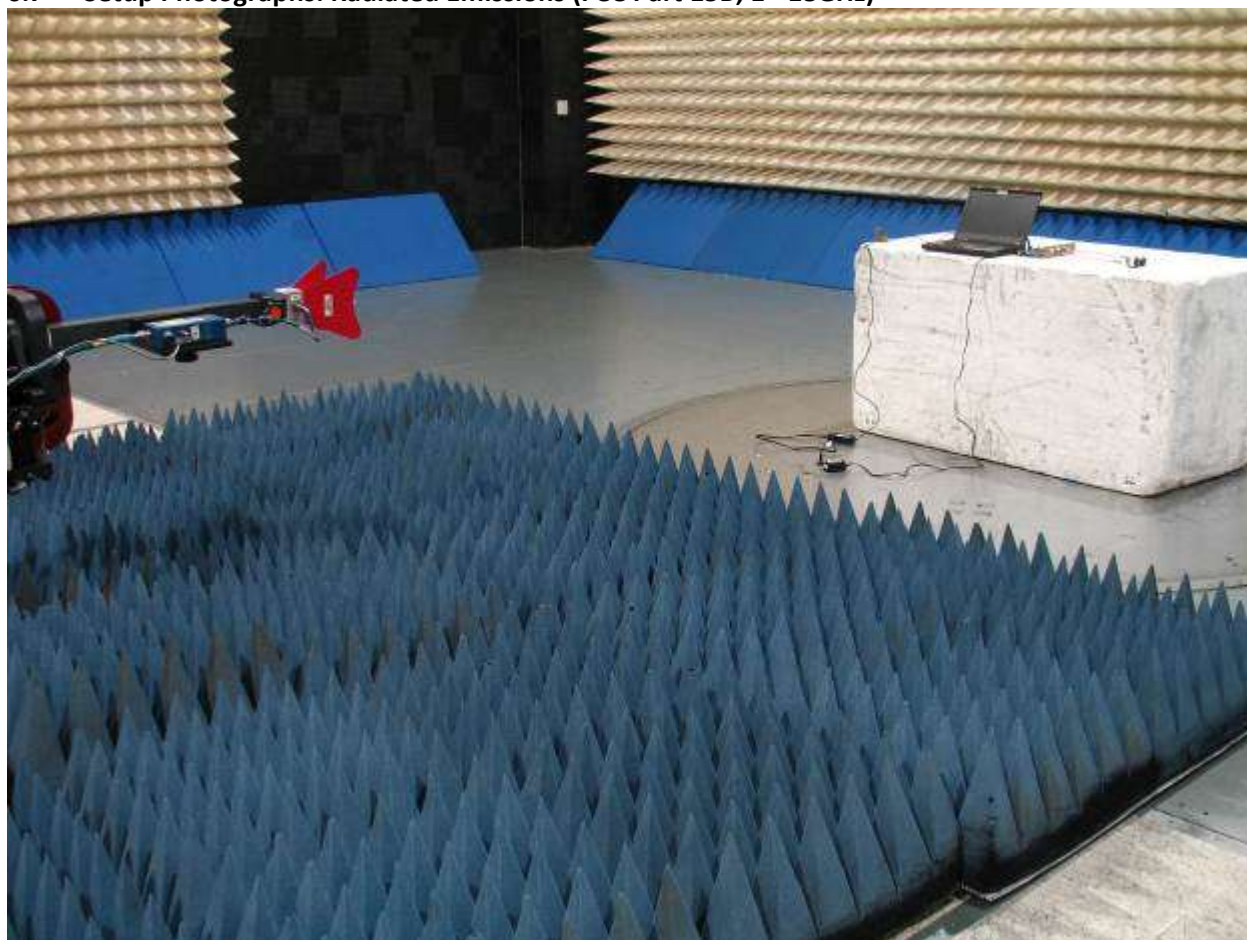


6.6 Setup Photographs: Radiated Emissions (FCC Part 15B/15C/15E, 30MHz - 1GHz)





6.7 Setup Photographs: Radiated Emissions (FCC Part 15B, 1 - 18GHz)



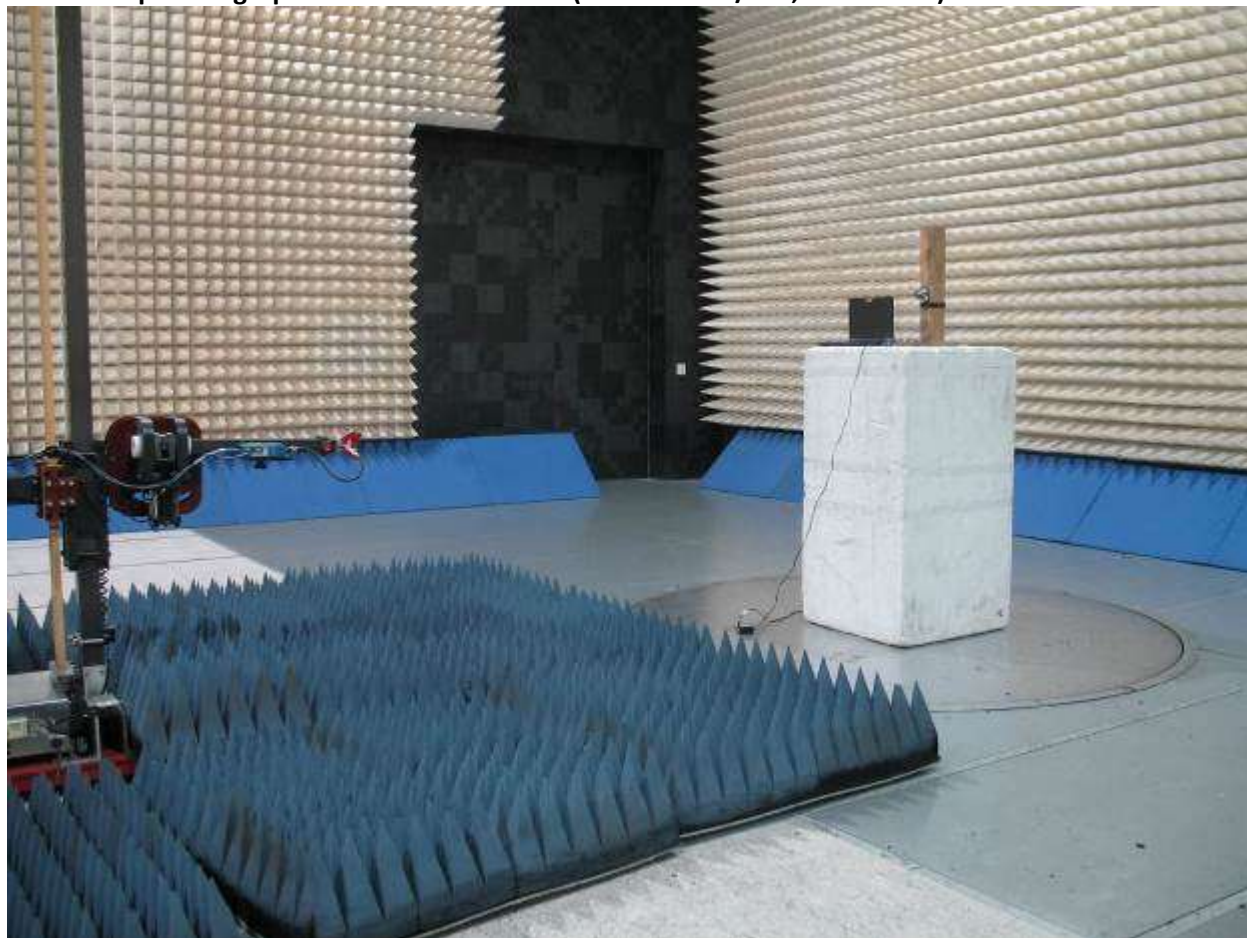


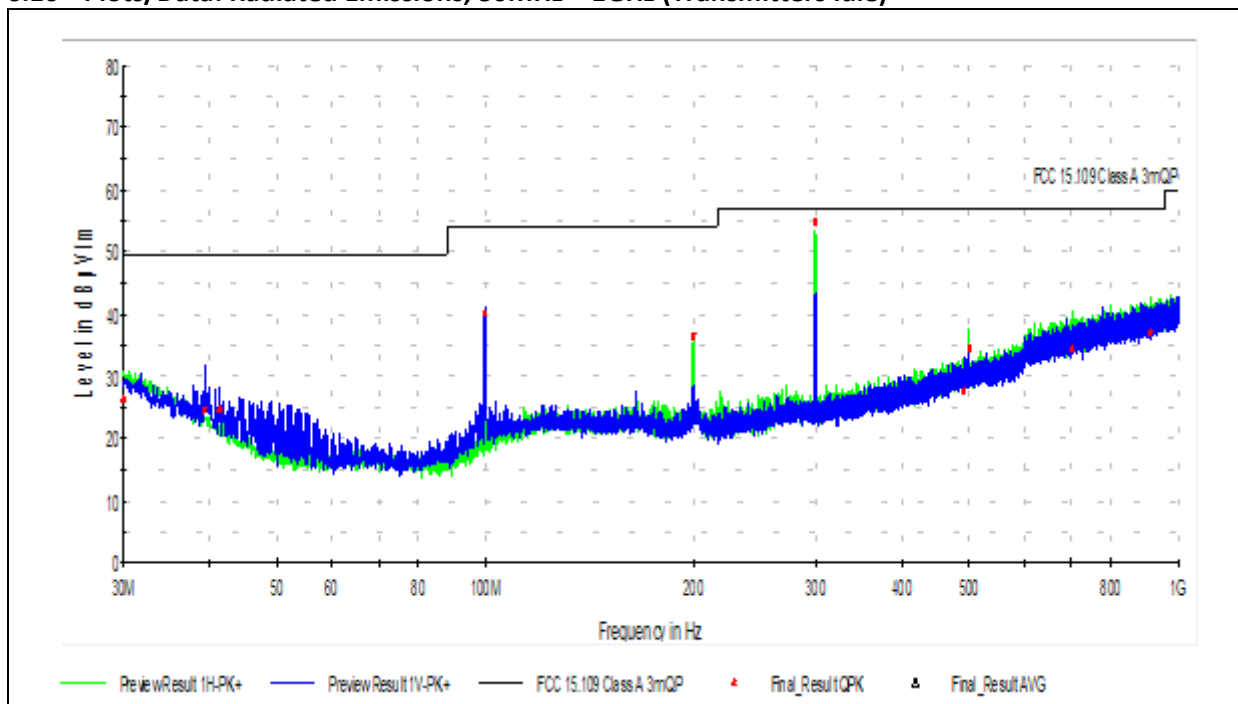
6.8 Setup Photographs: Radiated Emissions (FCC Part 15C/15E, 1 - 18GHz)





6.9 Setup Photographs: Radiated Emissions (FCC Part 15C/15E, 18 - 40GHz)



**6.10 Plots/Data: Radiated Emissions, 30MHz – 1GHz (Transmitters Idle)**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.000000	26.29	50.00	23.71	120.000	347.3	H	35.0	28.8
39.322778	24.44	50.00	25.56	120.000	104.1	V	0.0	21.2
41.262778	24.78	50.00	25.22	120.000	103.6	V	0.0	19.8
99.947778	40.11	53.52	13.41	120.000	99.8	V	304.0	19.6
199.857778	36.49	53.52	17.03	120.000	129.6	H	194.0	22.4
298.743889	54.87	56.02	1.15	120.000	105.1	H	210.0	24.0
491.288889	27.48	56.02	28.54	120.000	118.2	V	62.0	29.1
499.857222	34.43	56.02	21.59	120.000	168.6	H	138.0	29.6
702.964444	34.47	56.02	21.55	120.000	118.3	H	201.0	34.1
913.939444	36.76	56.02	19.26	120.000	400.1	H	341.0	36.9

Test Personnel: Michael Carlson

Supervising/Reviewing Engineer: (Where Applicable) N/A

FCC Part 15B

Product Standard: ICES-003 Issue 6

Input Voltage: 120VAC / 60Hz

Pretest Verification w / Ambient Signals or BB Source: Yes

Test Date: 2/19/2020

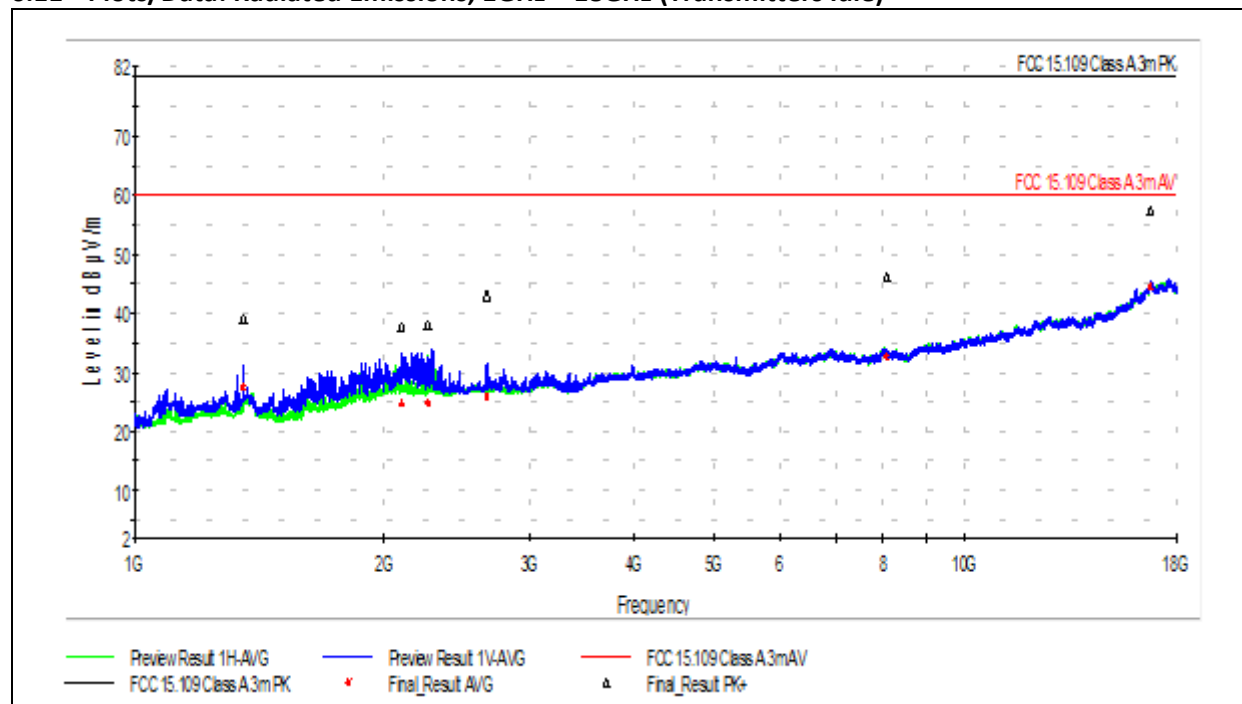
Limit Applied: See Table Above

Ambient Temperature: 22.5°C

Relative Humidity: 32.0 %

Atmospheric Pressure: 995.6 mbar

Deviations, Additions, or Exclusions: None

**6.11 Plots/Data: Radiated Emissions, 1GHz – 18GHz (Transmitters Idle)**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	39.19	80.00	40.81	1000.000	277.0	V	74.0	-0.3
2101.000000	37.77	80.00	42.23	1000.000	100.0	V	341.0	2.7
2259.000000	38.00	80.00	42.00	1000.000	150.0	H	113.0	3.3
2657.000000	42.93	80.00	37.07	1000.000	397.0	V	94.0	4.3
8073.000000	46.24	80.00	33.76	1000.000	100.0	H	153.0	12.5
16778.000000	57.43	80.00	22.57	1000.000	410.0	H	319.0	25.8

Frequency (MHz)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	27.45	60.00	32.55	1000.000	277.0	V	74.0	-0.3
2101.000000	24.74	60.00	35.26	1000.000	100.0	V	341.0	2.7
2259.000000	24.60	60.00	35.40	1000.000	150.0	H	113.0	3.3
2657.000000	25.81	60.00	34.19	1000.000	397.0	V	94.0	4.3
8073.000000	32.48	60.00	27.52	1000.000	100.0	H	153.0	12.5
16778.000000	44.42	60.00	15.58	1000.000	410.0	H	319.0	25.8

Test Personnel: Michael Carlson

Supervising/Reviewing Engineer: N/A

(Where Applicable)

FCC Part 15B

Product Standard: ICES-003 Issue 6

Input Voltage: 120VAC / 60Hz

Pretest Verification w / Ambient Signals or BB Source: Yes

Test Date: 2/19/2020

Limit Applied: See Table Above

Ambient Temperature: 22.5°C

Relative Humidity: 32.0 %

Atmospheric Pressure: 995.6 mbar

Deviations, Additions, or Exclusions: None

**6.12 Test Information For all testing of 2.4GHz Wi-Fi:**

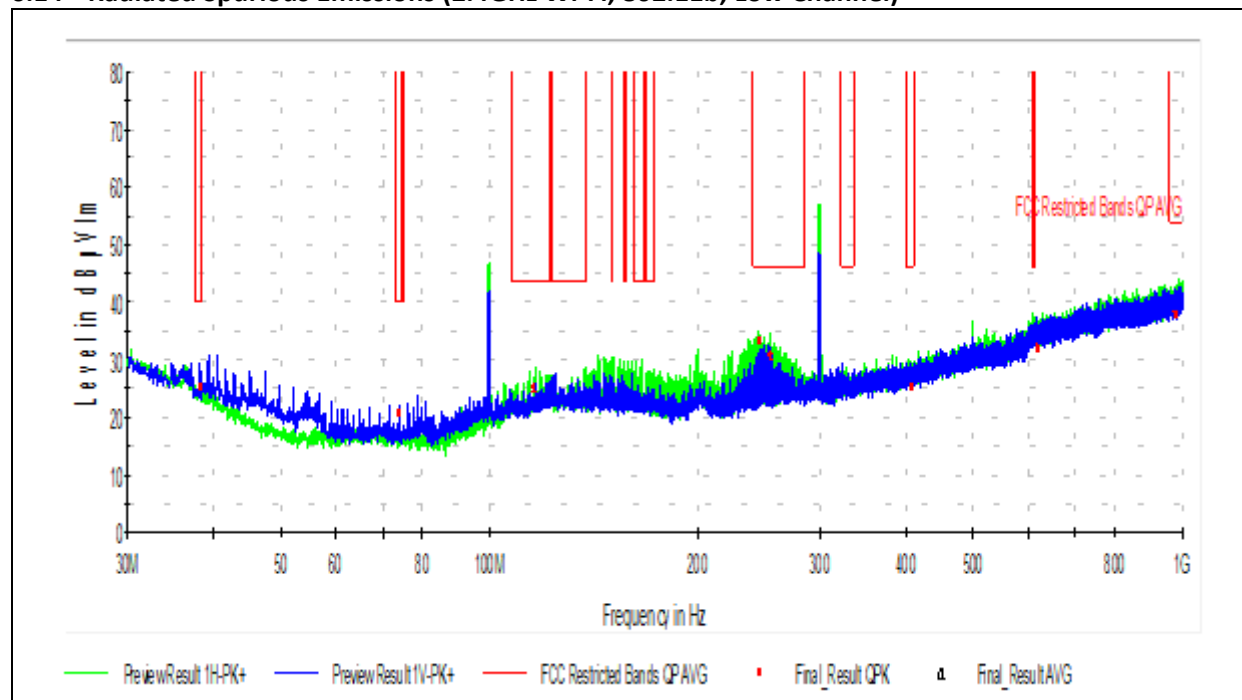
Test Personnel:	Brandon Norris, Ben Coolbear, Michael Carlson	Test Date:	1/23/2020 – 2/12/2020
Supervising/Reviewing Engineer: (Where Applicable)	NA	Limit Applied:	See Associated Table Below
Product Standard:	FCC Part 15C	Ambient Temperature:	22.1 – 22.9°C
Input Voltage:	120VAC / 60Hz	Relative Humidity:	19.0 – 42.8 %
Pretest Verification w / Ambient Signals or BB Source:	Yes	Atmospheric Pressure:	975.7 – 999.7 mbar

Deviations, Additions, or Exclusions: None

6.13 Test Information For all testing of U-NII-1, U-NII-2A, U-NII-2C, and U-NII-3:

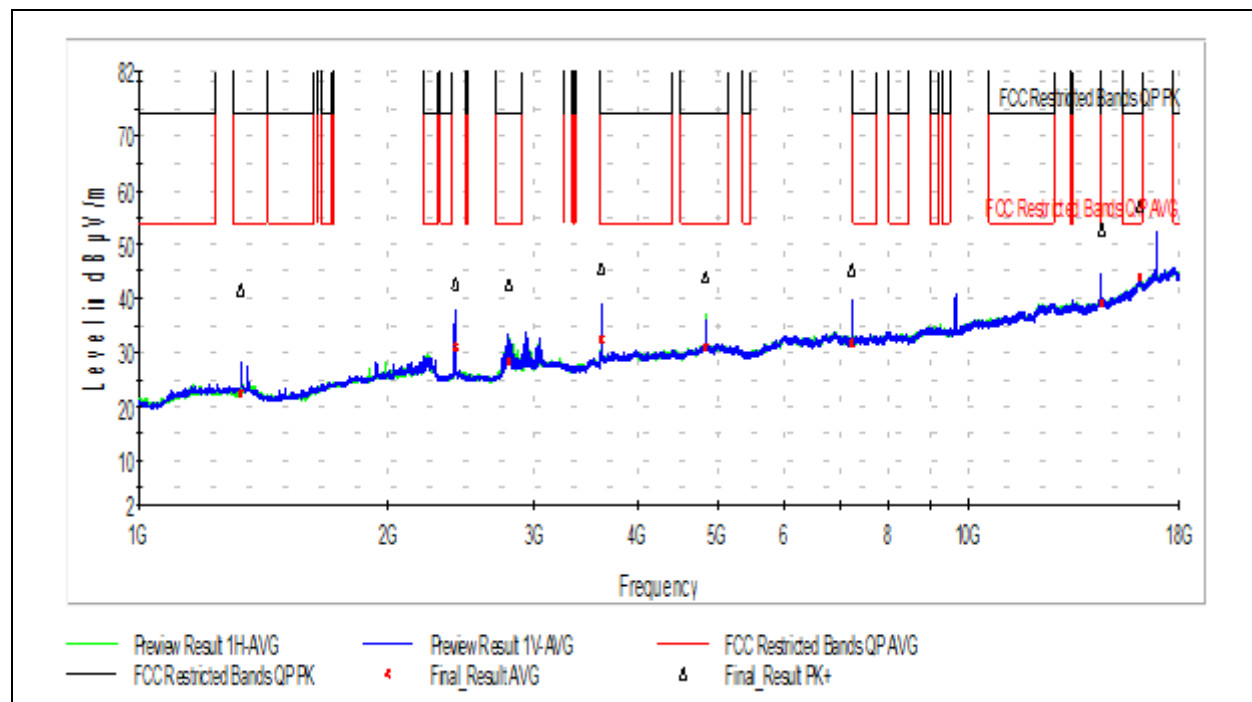
Test Personnel:	Brandon Norris, Ben Coolbear, Michael Carlson	Test Date:	1/23/2020 – 2/12/2020
Supervising/Reviewing Engineer: (Where Applicable)	NA	Limit Applied:	See Associated Table Below
Product Standard:	FCC Part 15E	Ambient Temperature:	22.1 – 22.9°C
Input Voltage:	120VAC / 60Hz	Relative Humidity:	19.0 – 42.8 %
Pretest Verification w / Ambient Signals or BB Source:	Yes	Atmospheric Pressure:	975.7 – 999.7 mbar

Deviations, Additions, or Exclusions: None

**6.14 Radiated Spurious Emissions (2.4GHz Wi-Fi, 802.11b, Low Channel)**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.137222	25.35	40.00	14.65	120.000	100.2	V	163.0	22.0
74.027222	20.75	40.00	19.25	120.000	105.1	V	342.0	14.9
115.683333	25.10	43.52	18.42	120.000	237.5	H	182.0	21.5
245.286111	33.44	46.02	12.58	120.000	118.4	H	164.0	21.7
254.501111	30.69	46.02	15.33	120.000	100.1	H	167.0	21.8
407.006667	25.24	46.02	20.78	120.000	213.2	H	183.0	27.2
618.143333	31.95	-	-	120.000	400.0	V	45.0	31.9
978.336667	37.84	53.98	16.14	120.000	299.8	H	81.0	37.7

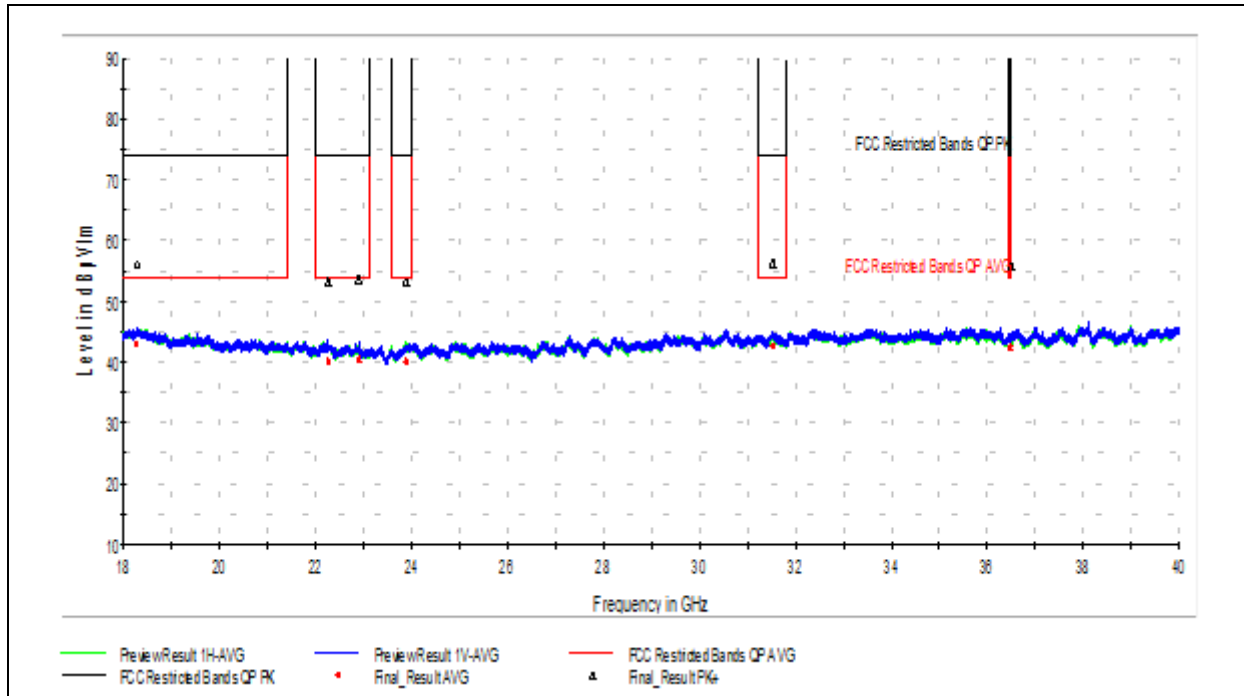
Note: emissions that do not fall in a restricted band are noted with a “-”.



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1329.000000	41.65	73.98	32.33	1000.000	302.0	V	292.0	-0.2
2412.500000	42.95	-	-	1000.000	410.0	V	189.0	3.9
2797.500000	42.48	73.98	31.50	1000.000	345.0	V	282.0	4.4
3618.000000	45.56	73.98	28.42	1000.000	195.0	V	284.0	6.0
4824.000000	44.03	73.98	29.95	1000.000	309.0	H	332.0	8.3
7237.000000	45.30	-	-	1000.000	293.0	V	342.0	11.6
14472.000000	52.66	73.98	21.32	1000.000	391.0	V	200.0	19.9
16109.000000	56.95	73.98	17.03	1000.000	100.0	H	64.0	26.0

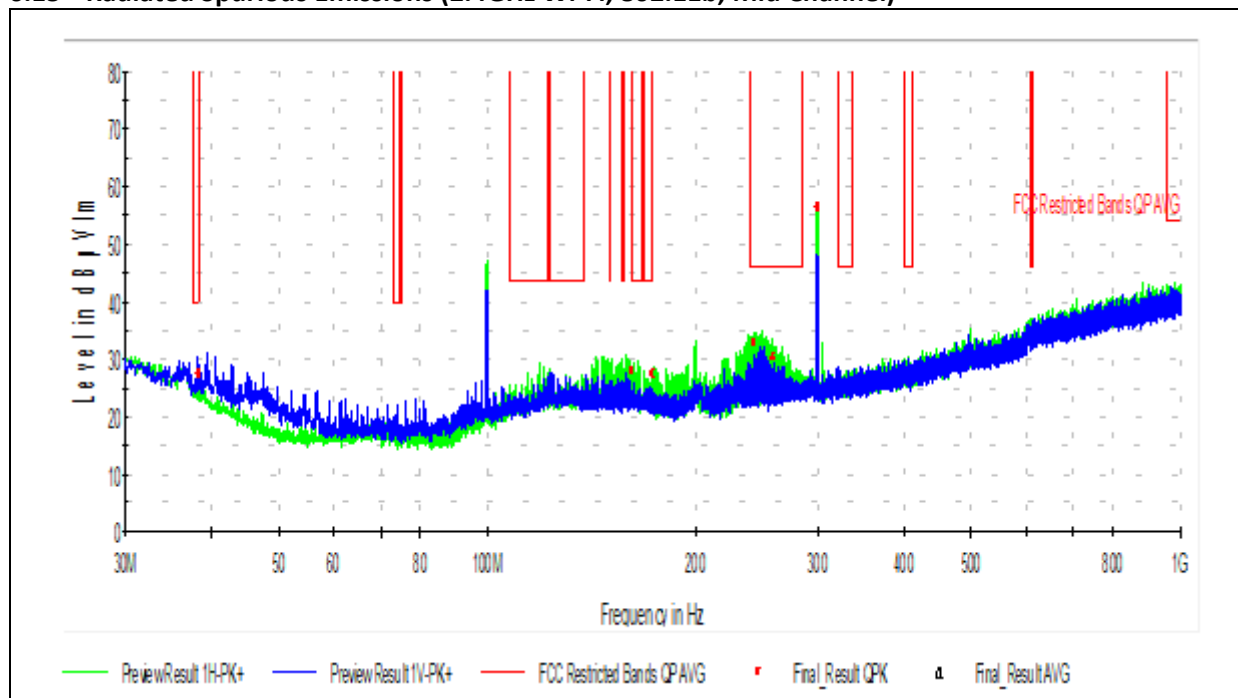
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1329.000000	22.48	53.98	31.50	1000.000	302.0	V	292.0	-0.2
2412.500000	31.07	-	-	1000.000	410.0	V	189.0	3.9
2797.500000	28.48	53.98	25.50	1000.000	345.0	V	282.0	4.4
3618.000000	32.45	53.98	21.53	1000.000	195.0	V	284.0	6.0
4824.000000	31.01	53.98	22.97	1000.000	309.0	H	332.0	8.3
7237.000000	31.91	-	-	1000.000	293.0	V	342.0	11.6
14472.000000	39.22	53.98	14.76	1000.000	391.0	V	200.0	19.9
16109.000000	43.89	53.98	10.09	1000.000	100.0	H	64.0	26.0

Note: emissions that do not fall in a restricted band are noted with a "-".



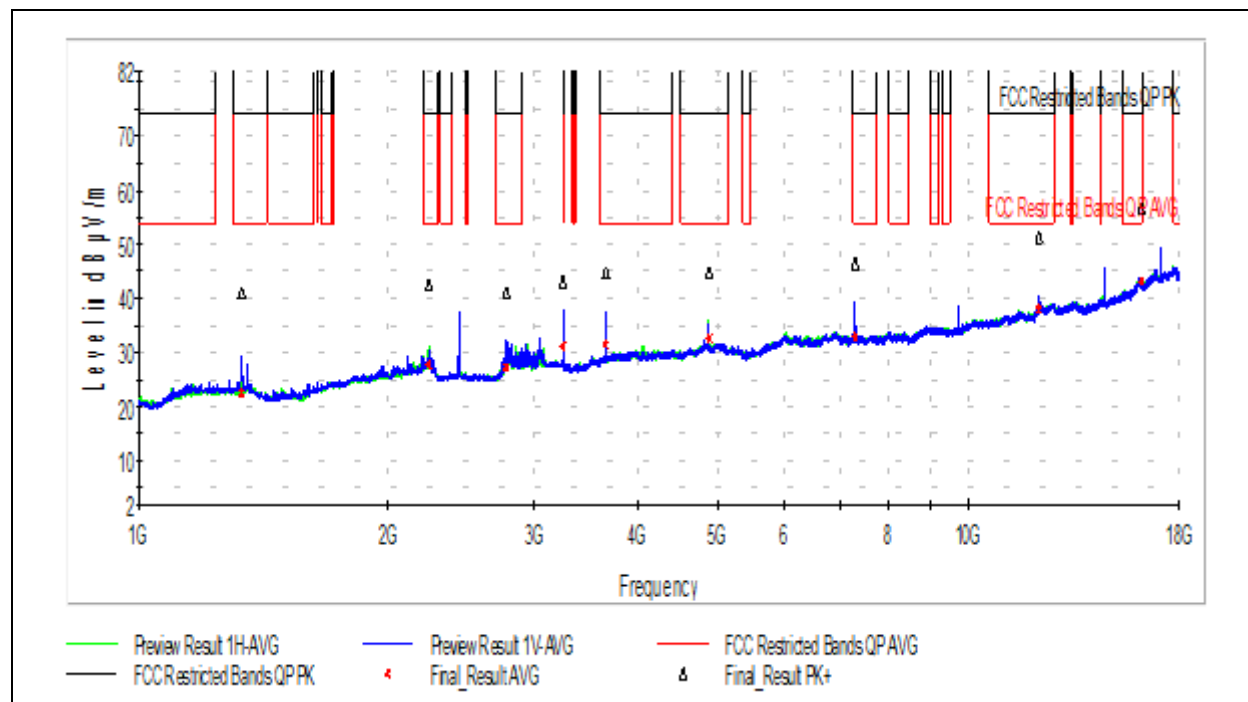
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18275.500000	56.09	73.98	17.89	1000.000	100.0	H	25.0	20.1
22260.500000	53.19	73.98	20.79	1000.000	100.0	V	34.0	7.9
22894.000000	53.84	73.98	20.14	1000.000	410.0	V	136.0	6.7
23892.500000	53.29	73.98	20.69	1000.000	410.0	H	182.0	5.9
31530.500000	56.30	73.98	17.68	1000.000	100.0	H	193.0	11.1
36489.500000	55.95	73.98	18.03	1000.000	100.0	V	303.0	11.1

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18275.500000	42.93	53.98	11.05	1000.000	100.0	H	25.0	20.1
22260.500000	40.23	53.98	13.75	1000.000	100.0	V	34.0	7.9
22894.000000	40.51	53.98	13.47	1000.000	410.0	V	136.0	6.7
23892.500000	40.19	53.98	13.79	1000.000	410.0	H	182.0	5.9
31530.500000	42.69	53.98	11.29	1000.000	100.0	H	193.0	11.1
36489.500000	42.33	53.98	11.65	1000.000	100.0	V	303.0	11.1

**6.15 Radiated Spurious Emissions (2.4GHz Wi-Fi, 802.11b, Mid Channel)**

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.191111	27.64	40.00	12.36	120.000	99.9	V	165.0	21.9
160.788333	28.00	-	-	120.000	154.4	H	173.0	21.7
172.374445	27.54	43.52	15.98	120.000	178.0	H	145.0	21.0
241.783333	32.79	46.02	13.23	120.000	130.3	H	154.0	21.7
257.950000	30.61	46.02	15.41	120.000	106.9	H	219.0	22.2
298.797778	56.36	-	-	120.000	100.2	H	213.0	24.0

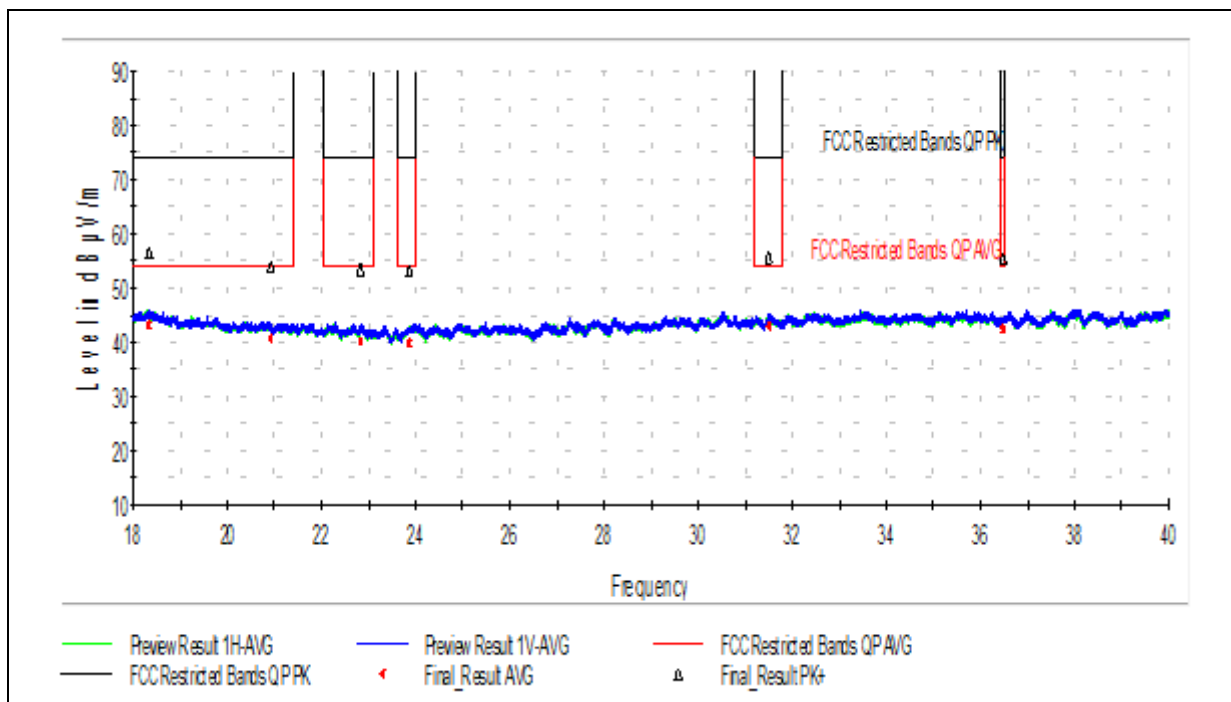
Note: emissions that do not fall in a restricted band are noted with a “-”.



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1330.000000	41.08	73.98	32.90	1000.000	231.0	V	298.0	-0.3
2238.000000	42.61	73.98	31.37	1000.000	391.0	H	11.0	3.2
2777.000000	41.28	73.98	32.70	1000.000	410.0	H	0.0	4.5
3249.000000	43.21	-	-	1000.000	248.0	V	314.0	5.3
3655.500000	44.73	73.98	29.25	1000.000	294.0	H	0.0	6.3
4874.000000	44.80	73.98	29.18	1000.000	319.0	V	52.0	8.2
7308.500000	46.41	73.98	27.57	1000.000	410.0	V	36.0	11.5
12183.000000	51.24	73.98	22.74	1000.000	410.0	V	12.0	18.5
16151.000000	56.66	73.98	17.32	1000.000	186.0	V	194.0	25.0

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1330.000000	22.48	53.98	31.50	1000.000	231.0	V	298.0	-0.3
2238.000000	27.70	53.98	26.28	1000.000	391.0	H	11.0	3.2
2777.000000	27.14	53.98	26.84	1000.000	410.0	H	0.0	4.5
3249.000000	31.34	-	-	1000.000	248.0	V	314.0	5.3
3655.500000	31.43	53.98	22.55	1000.000	294.0	H	0.0	6.3
4874.000000	32.57	53.98	21.41	1000.000	319.0	V	52.0	8.2
7308.500000	32.82	53.98	21.16	1000.000	410.0	V	36.0	11.5
12183.000000	37.91	53.98	16.07	1000.000	410.0	V	12.0	18.5
16151.000000	43.26	53.98	10.72	1000.000	186.0	V	194.0	25.0

Note: emissions that do not fall in a restricted band are noted with a "--".

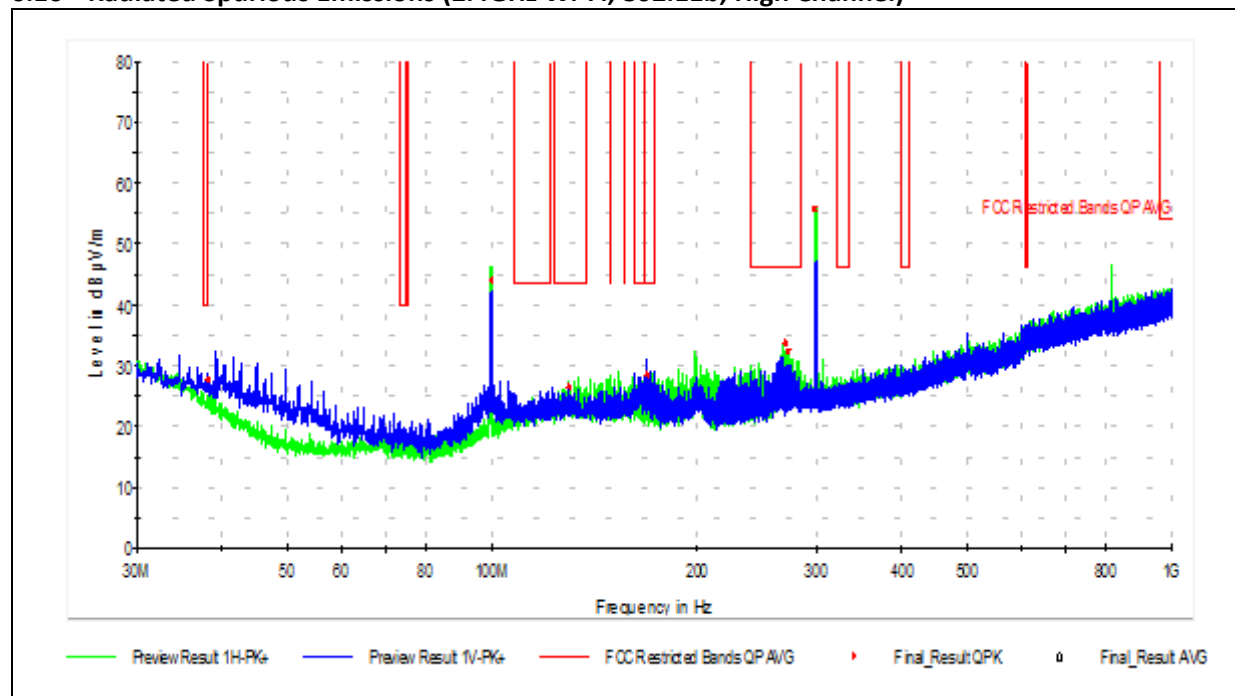


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18332.500000	56.59	73.98	17.39	1000.000	100.0	V	13.0	20.0
20924.000000	53.98	73.98	20.00	1000.000	249.0	H	300.0	11.0
22821.500000	53.41	73.98	20.57	1000.000	100.0	V	58.0	6.1
23862.500000	53.06	73.98	20.92	1000.000	100.0	H	112.0	6.1
31501.000000	55.69	73.98	18.29	1000.000	100.0	H	246.0	11.2
36468.500000	55.30	73.98	18.68	1000.000	100.0	H	138.0	11.2

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18332.500000	43.26	53.98	10.72	1000.000	100.0	V	13.0	20.0
20924.000000	40.71	53.98	13.27	1000.000	249.0	H	300.0	11.0
22821.500000	39.98	53.98	14.00	1000.000	100.0	V	58.0	6.1
23862.500000	39.91	53.98	14.07	1000.000	100.0	H	112.0	6.1
31501.000000	42.77	53.98	11.21	1000.000	100.0	H	246.0	11.2
36468.500000	42.39	53.98	11.59	1000.000	100.0	H	138.0	11.2

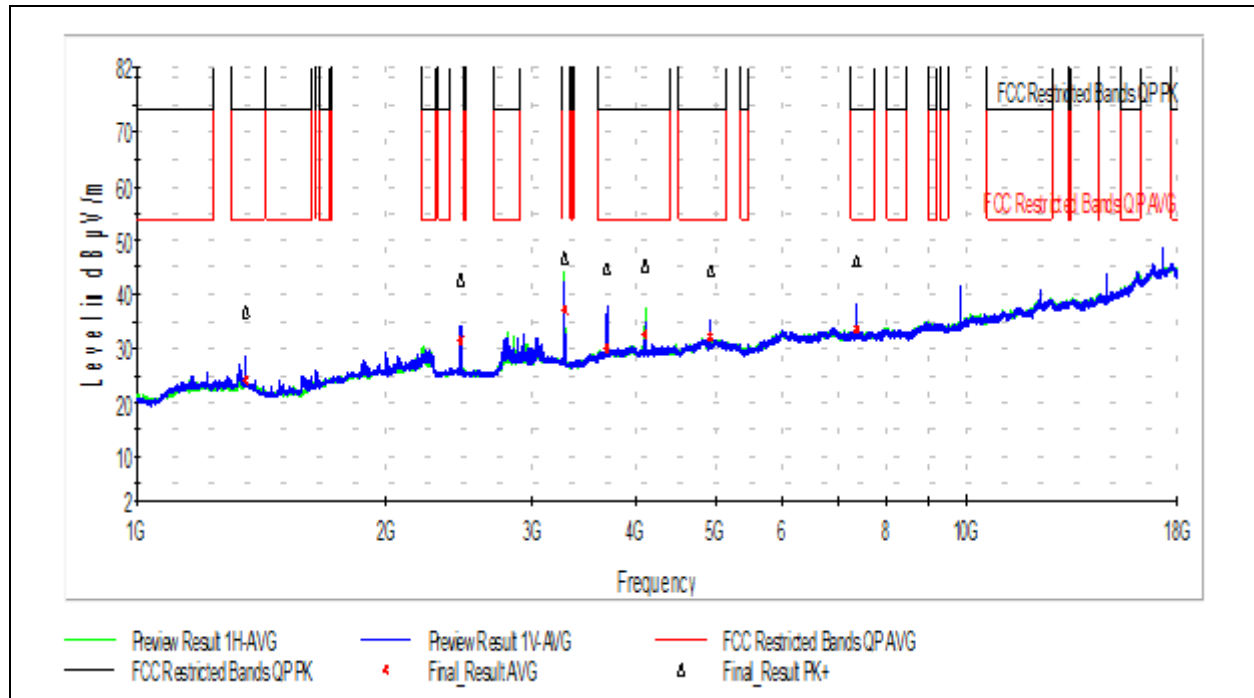


6.16 Radiated Spurious Emissions (2.4GHz Wi-Fi, 802.11b, High Channel)



Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.191111	27.56	40.00	12.44	120.000	100.0	V	158.0	21.9
99.893889	44.12	-	-	120.000	312.4	H	173.0	18.6
129.586667	26.60	43.52	16.92	120.000	213.2	H	156.0	22.0
168.925556	28.52	43.52	15.00	120.000	99.9	V	164.0	21.6
269.590000	33.72	46.02	12.30	120.000	104.9	H	128.0	23.5
273.038889	32.32	46.02	13.70	120.000	105.6	H	120.0	23.5
298.743889	55.83	-	-	120.000	105.1	H	208.0	24.0

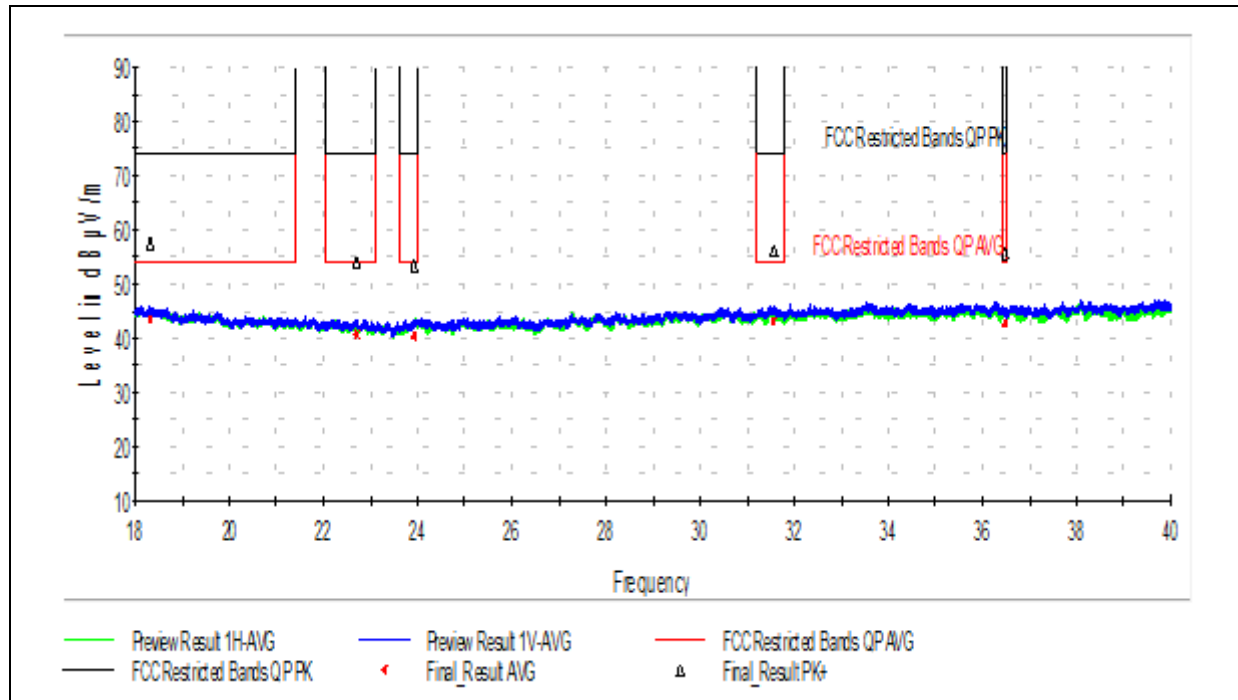
Note: emissions that do not fall in a restricted band are noted with a “-”.



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	37.00	73.98	36.98	1000.000	294.0	V	40.0	-0.3
2459.500000	42.93	-	-	1000.000	410.0	V	329.0	3.9
3282.500000	46.77	-	-	1000.000	239.0	V	340.0	5.3
3690.000000	44.73	73.98	29.25	1000.000	179.0	V	0.0	6.4
4104.000000	45.38	73.98	28.60	1000.000	398.0	H	24.0	7.4
4924.000000	44.67	73.98	29.31	1000.000	178.0	V	324.0	8.2
7385.500000	46.29	73.98	27.69	1000.000	353.0	V	270.0	11.5

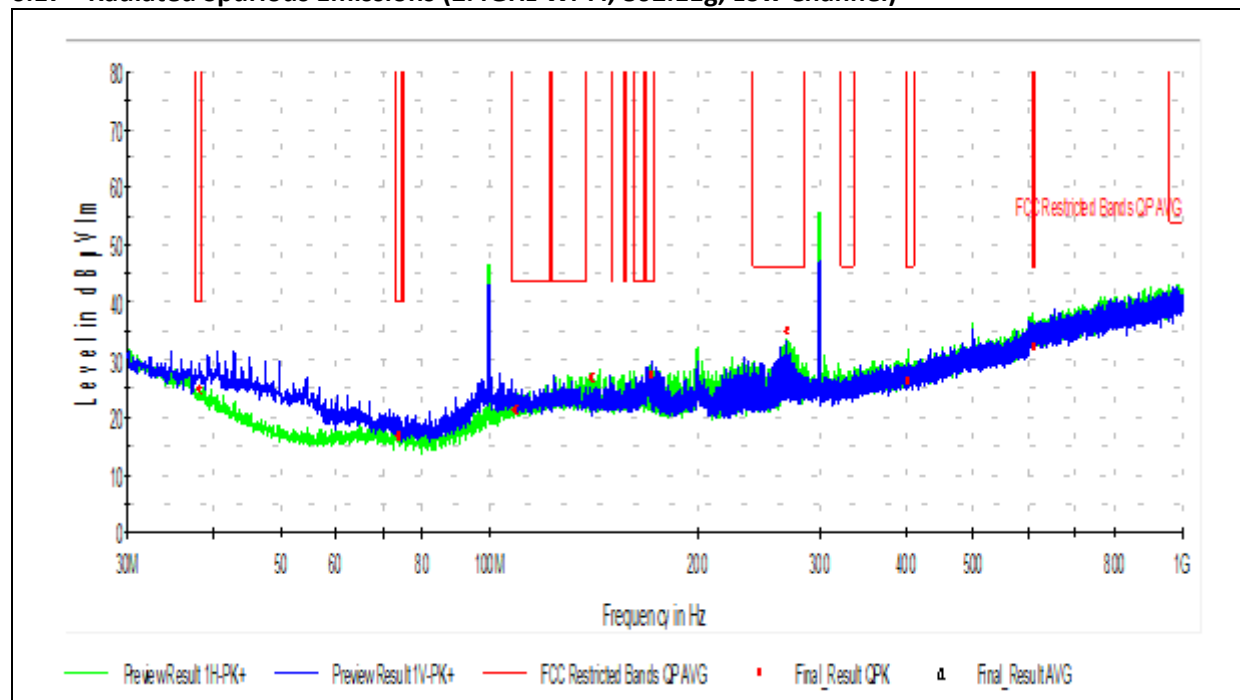
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	24.21	53.98	29.77	1000.000	294.0	V	40.0	-0.3
2459.500000	31.40	-	-	1000.000	410.0	V	329.0	3.9
3282.500000	37.08	-	-	1000.000	239.0	V	340.0	5.3
3690.000000	29.96	53.98	24.02	1000.000	179.0	V	0.0	6.4
4104.000000	32.75	53.98	21.23	1000.000	398.0	H	24.0	7.4
4924.000000	32.00	53.98	21.98	1000.000	178.0	V	324.0	8.2
7385.500000	33.44	53.98	20.54	1000.000	353.0	V	270.0	11.5

Note: emissions that do not fall in a restricted band are noted with a “-”.



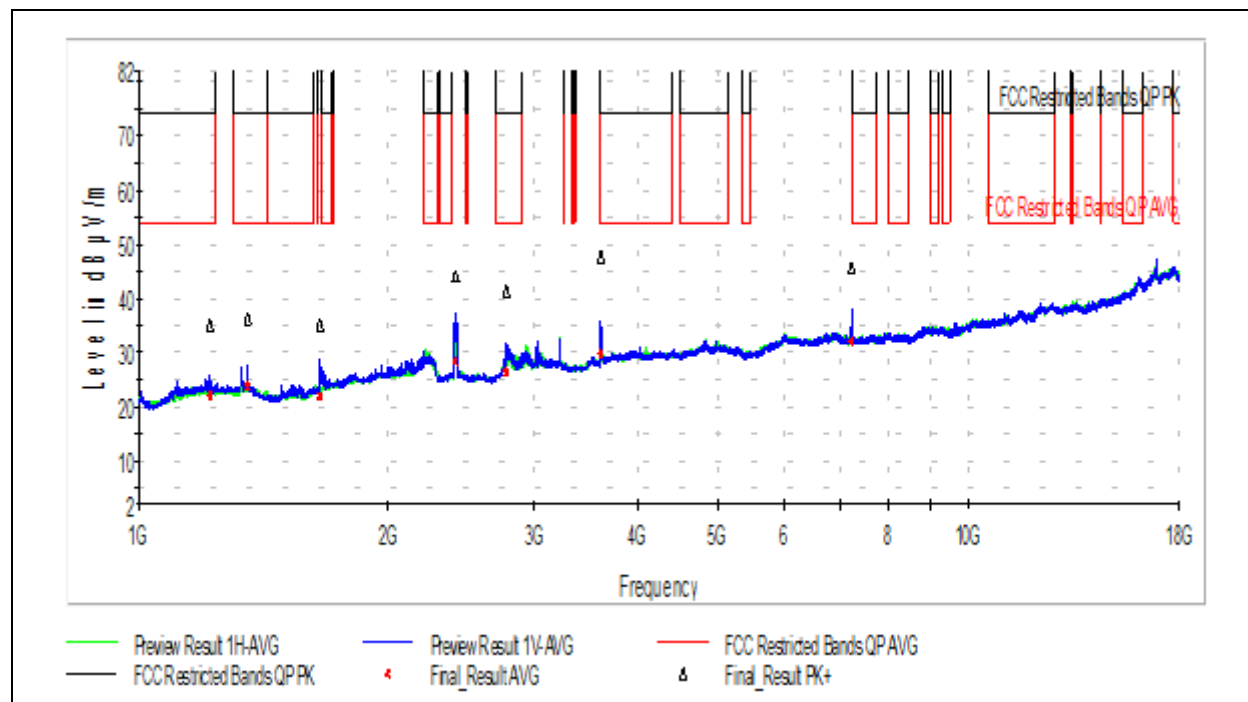
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18304.000000	57.47	73.98	16.51	1000.000	100.0	V	24.0	20.0
22688.000000	53.94	73.98	20.04	1000.000	100.0	V	289.0	6.8
23915.500000	53.41	73.98	20.57	1000.000	396.0	V	164.0	6.0
31569.000000	56.33	73.98	17.65	1000.000	242.0	V	294.0	11.0
36479.500000	55.71	73.98	18.27	1000.000	117.0	V	73.0	11.2

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18304.000000	43.50	53.98	10.48	1000.000	100.0	V	24.0	20.0
22688.000000	40.69	53.98	13.29	1000.000	100.0	V	289.0	6.8
23915.500000	40.47	53.98	13.51	1000.000	396.0	V	164.0	6.0
31569.000000	42.96	53.98	11.02	1000.000	242.0	V	294.0	11.0
36479.500000	42.52	53.98	11.46	1000.000	117.0	V	73.0	11.2

**6.17 Radiated Spurious Emissions (2.4GHz Wi-Fi, 802.11g, Low Channel)**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.083333	24.88	40.00	15.12	120.000	99.9	V	130.0	22.0
73.757778	16.80	40.00	23.20	120.000	100.3	V	153.0	14.9
108.731667	21.25	43.52	22.27	120.000	105.1	V	137.0	21.0
140.041111	26.84	-	-	120.000	202.0	H	166.0	21.7
171.296667	27.38	43.52	16.14	120.000	102.6	V	28.0	21.5
268.458333	35.03	46.02	10.99	120.000	100.2	H	128.0	23.4
401.402222	26.29	46.02	19.73	120.000	202.0	H	191.0	27.0
610.221667	32.40	46.02	13.62	120.000	130.4	H	45.0	32.3

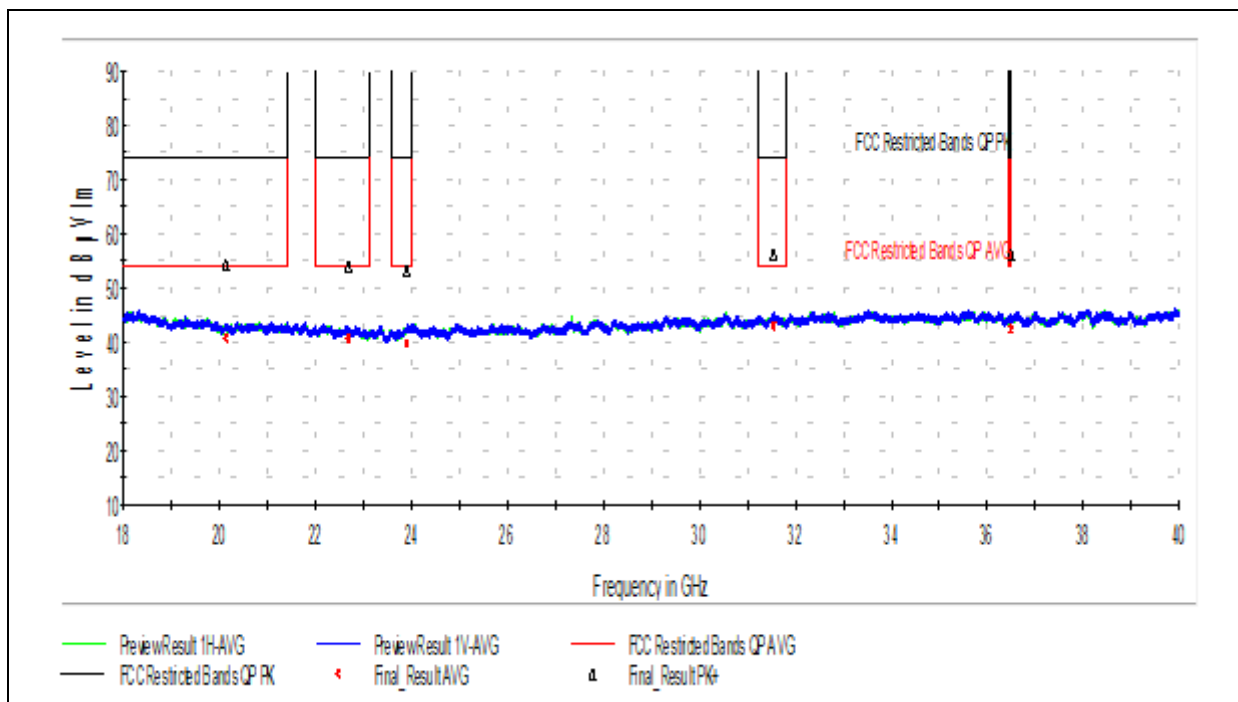
Note: emissions that do not fall in a restricted band are noted with a “-”.



Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1220.000000	35.18	73.98	38.80	1000.000	390.0	V	322.0	-1.0
1354.500000	36.20	73.98	37.78	1000.000	310.0	V	36.0	-0.3
1653.000000	35.13	-	-	1000.000	125.0	V	92.0	-0.7
2409.000000	44.26	-	-	1000.000	100.0	V	200.0	3.9
2777.000000	41.42	73.98	32.56	1000.000	233.0	V	288.0	4.3
3610.000000	47.68	73.98	26.30	1000.000	346.0	V	54.0	5.9
7239.000000	45.63	-	-	1000.000	252.0	V	261.0	11.6

Frequency (MHz)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1220.000000	22.15	53.98	31.83	1000.000	390.0	V	322.0	-1.0
1354.500000	23.75	53.98	30.23	1000.000	310.0	V	36.0	-0.3
1653.000000	21.98	-	-	1000.000	125.0	V	92.0	-0.7
2409.000000	28.44	-	-	1000.000	100.0	V	200.0	3.9
2777.000000	26.51	53.98	27.47	1000.000	233.0	V	288.0	4.3
3610.000000	29.83	53.98	24.15	1000.000	346.0	V	54.0	5.9
7239.000000	31.98	-	-	1000.000	252.0	V	261.0	11.6

Note: emissions that do not fall in a restricted band are noted with a “-”.

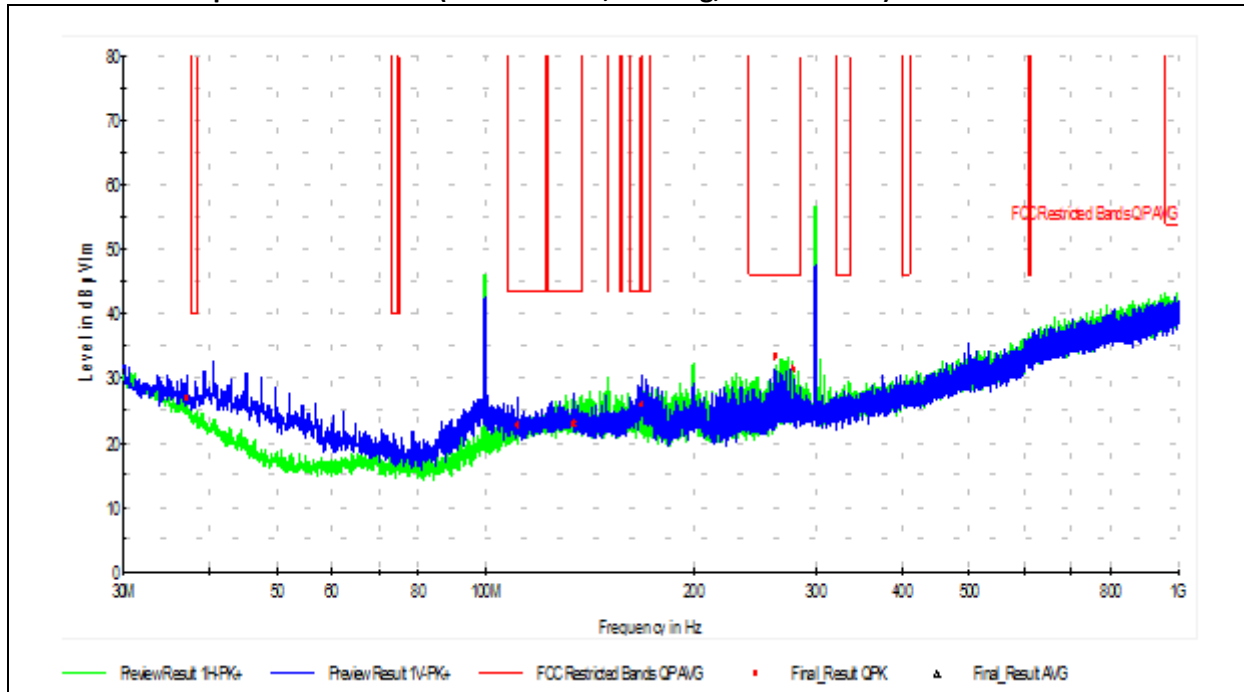


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
20130.000000	54.29	73.98	19.69	1000.000	100.0	H	0.0	13.4
22679.000000	53.83	73.98	20.15	1000.000	100.0	V	156.0	6.8
23905.500000	53.17	73.98	20.81	1000.000	410.0	H	60.0	5.9
31547.500000	56.27	73.98	17.71	1000.000	209.0	V	208.0	11.1
36481.500000	56.20	73.98	17.78	1000.000	218.0	V	244.0	11.2

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
20130.000000	40.68	53.98	13.30	1000.000	100.0	H	0.0	13.4
22679.000000	40.56	53.98	13.42	1000.000	100.0	V	156.0	6.8
23905.500000	39.86	53.98	14.12	1000.000	410.0	H	60.0	5.9
31547.500000	42.94	53.98	11.04	1000.000	209.0	V	208.0	11.1
36481.500000	42.40	53.98	11.58	1000.000	218.0	V	244.0	11.2

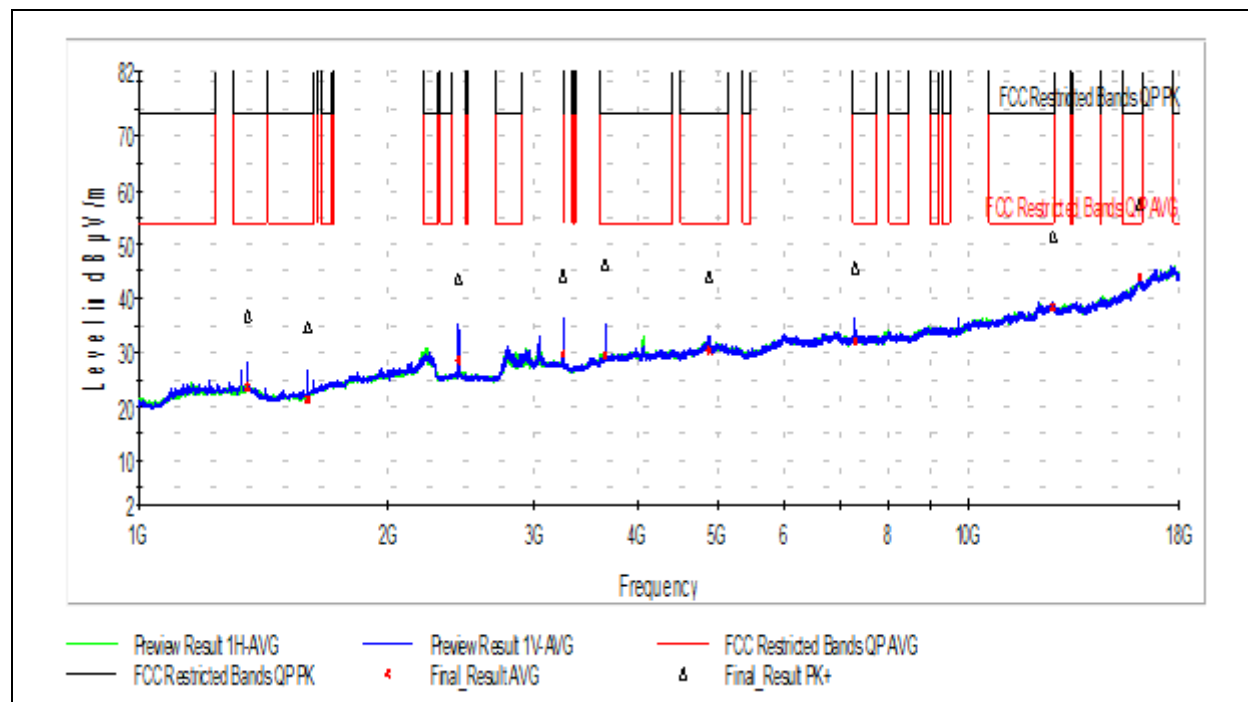


6.18 Radiated Spurious Emissions (2.4GHz Wi-Fi, 802.11g, Mid Channel)



Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.005556	27.06	-	-	120.000	104.8	V	110.0	22.7
111.102778	22.70	43.52	20.82	120.000	110.0	V	155.0	21.1
134.221111	22.93	43.52	20.59	120.000	104.9	V	192.0	22.4
167.793889	25.85	43.52	17.67	120.000	104.9	V	156.0	21.7
262.692222	33.30	46.02	12.72	120.000	99.8	H	118.0	22.9
277.727222	31.52	46.02	14.50	120.000	104.9	H	202.0	23.7

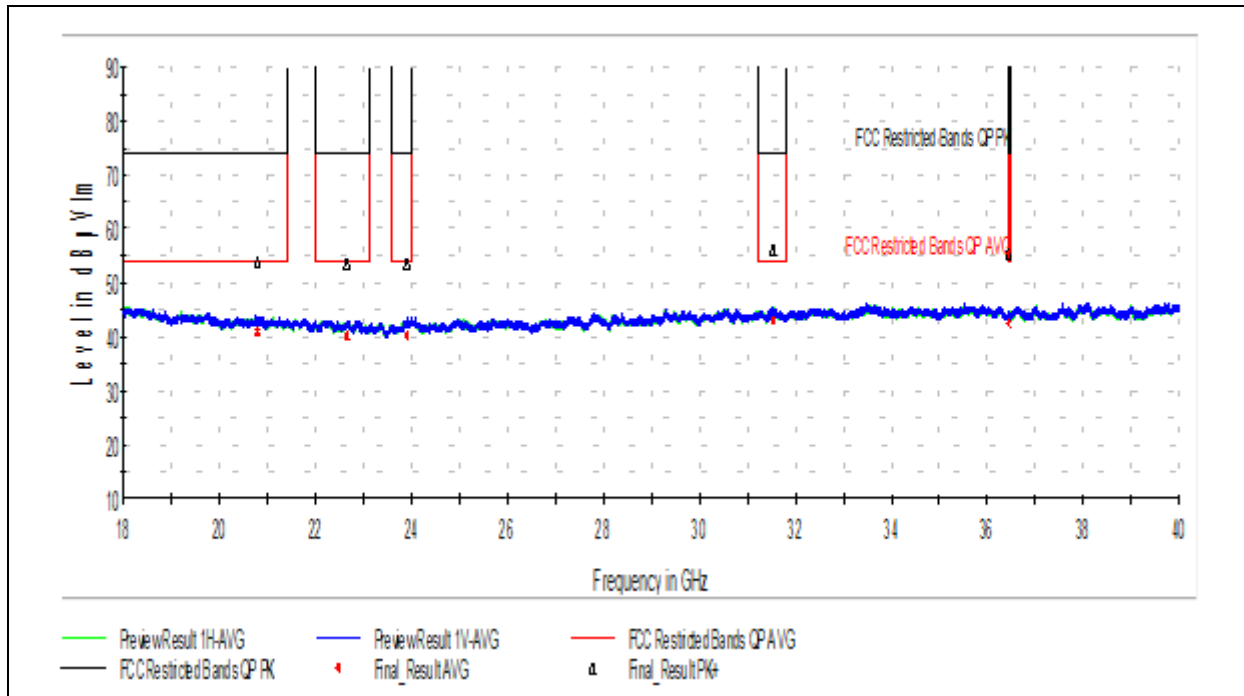
Note: emissions that do not fall in a restricted band are noted with a "-".



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	36.98	73.98	37.00	1000.000	372.0	V	45.0	-0.3
1598.500000	34.93	73.98	39.05	1000.000	170.0	V	310.0	-1.1
2429.000000	43.60	-	-	1000.000	267.0	V	164.0	4.0
3249.000000	44.21	-	-	1000.000	389.0	H	0.0	5.5
3647.500000	46.17	73.98	27.81	1000.000	398.0	V	26.0	6.2
4876.500000	43.87	73.98	30.11	1000.000	170.0	V	276.0	8.2
7309.000000	45.56	73.98	28.42	1000.000	257.0	V	40.0	11.5
12637.500000	51.60	73.98	22.38	1000.000	410.0	H	0.0	19.2
16092.000000	57.21	73.98	16.77	1000.000	410.0	H	359.0	26.1

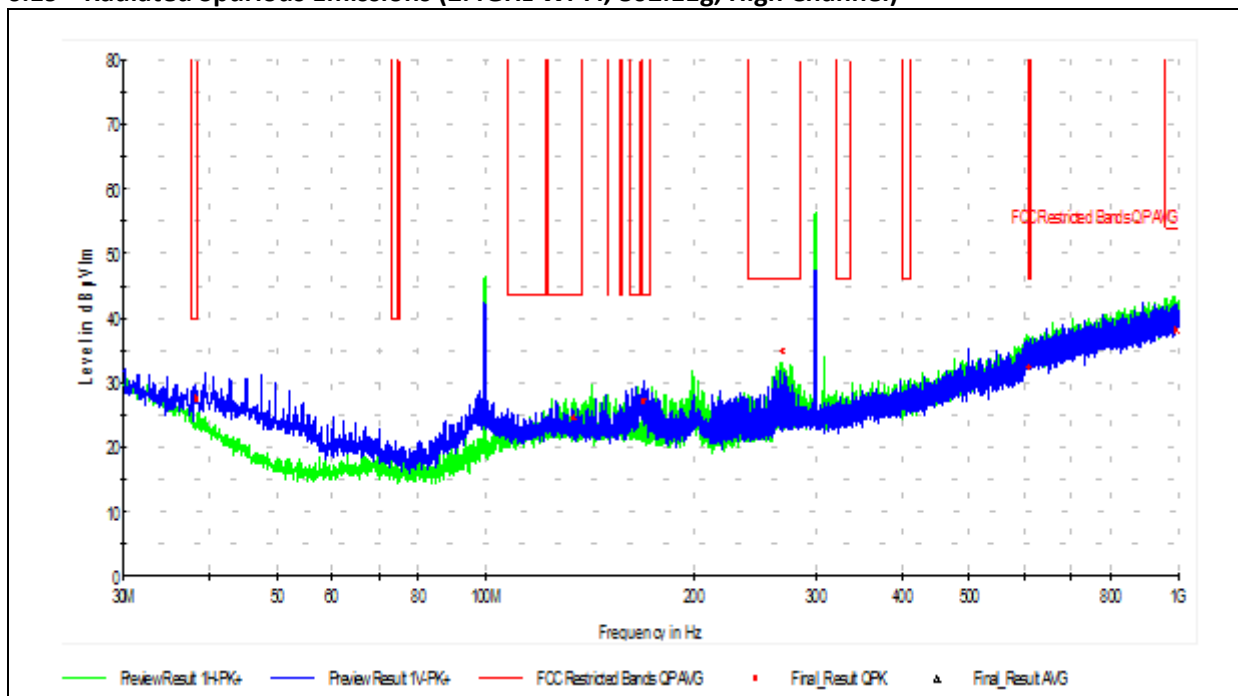
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	23.69	53.98	30.29	1000.000	372.0	V	45.0	-0.3
1598.500000	21.19	53.98	32.79	1000.000	170.0	V	310.0	-1.1
2429.000000	28.53	-	-	1000.000	267.0	V	164.0	4.0
3249.000000	29.69	-	-	1000.000	389.0	H	0.0	5.5
3647.500000	29.45	53.98	24.53	1000.000	398.0	V	26.0	6.2
4876.500000	30.41	53.98	23.57	1000.000	170.0	V	276.0	8.2
7309.000000	31.94	53.98	22.04	1000.000	257.0	V	40.0	11.5
12637.500000	38.33	53.98	15.65	1000.000	410.0	H	0.0	19.2
16092.000000	43.85	53.98	10.13	1000.000	410.0	H	359.0	26.1

Note: emissions that do not fall in a restricted band are noted with a "--".

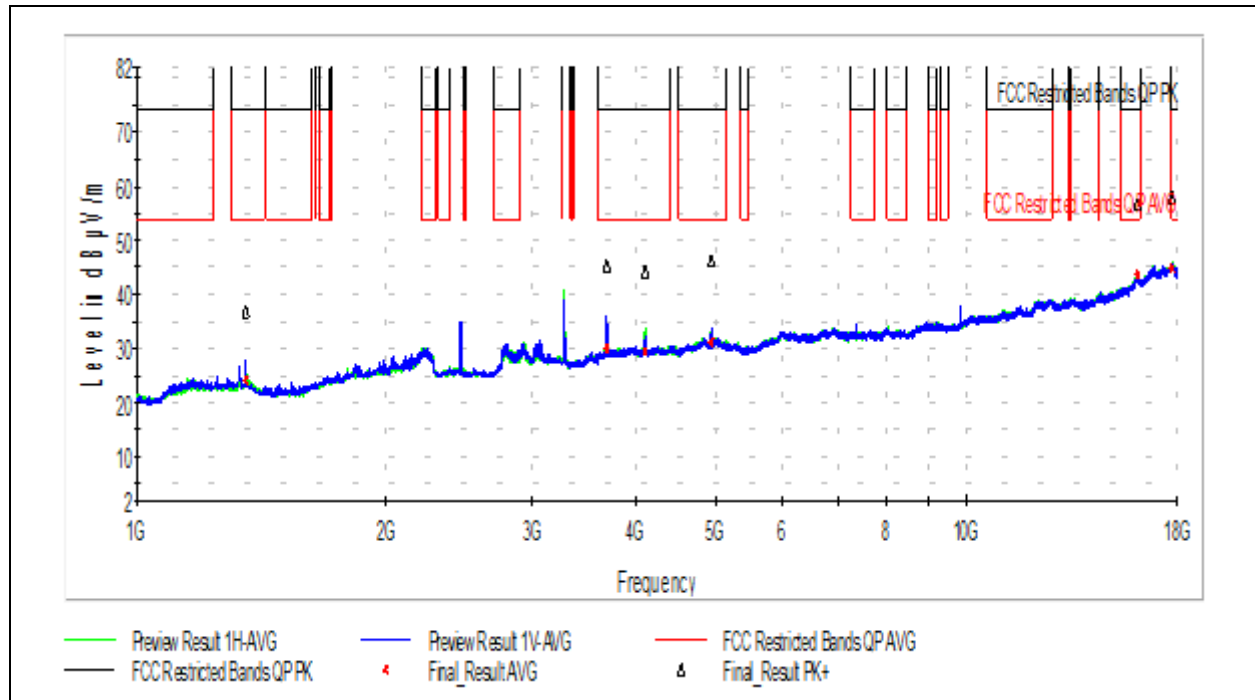


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
20781.000000	53.87	73.98	20.11	1000.000	100.0	V	109.0	11.7
22652.500000	53.64	73.98	20.34	1000.000	100.0	H	69.0	6.6
23893.500000	53.59	73.98	20.39	1000.000	410.0	V	172.0	5.9
31533.000000	56.10	73.98	17.88	1000.000	100.0	V	252.0	11.2
36434.500000	55.54	73.98	18.44	1000.000	235.0	H	256.0	11.3

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
20781.000000	40.73	53.98	13.25	1000.000	100.0	V	109.0	11.7
22652.500000	40.24	53.98	13.74	1000.000	100.0	H	69.0	6.6
23893.500000	40.17	53.98	13.81	1000.000	410.0	V	172.0	5.9
31533.000000	42.93	53.98	11.05	1000.000	100.0	V	252.0	11.2
36434.500000	42.40	53.98	11.58	1000.000	235.0	H	256.0	11.3

**6.19 Radiated Spurious Emissions (2.4GHz Wi-Fi, 802.11g, High Channel)**

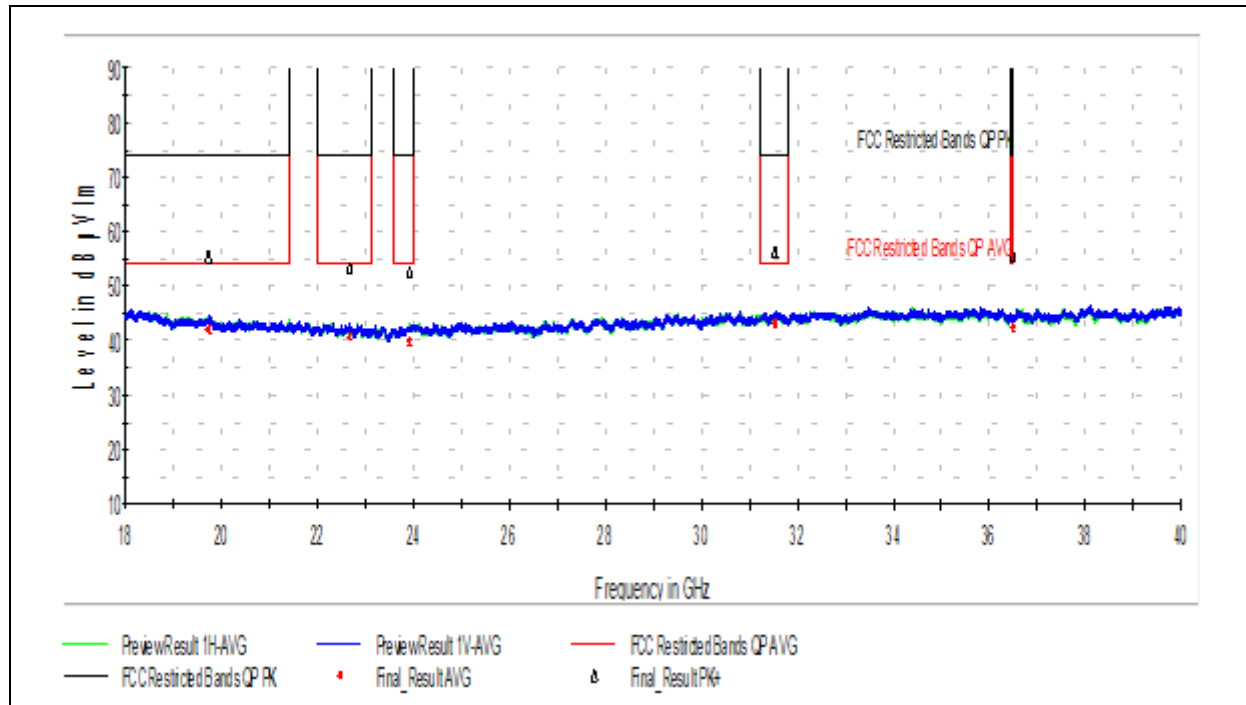
Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.191111	27.67	40.00	12.33	120.000	100.2	V	127.0	21.9
134.221111	24.58	43.52	18.94	120.000	213.8	H	7.0	22.0
168.925556	27.09	43.52	16.43	120.000	106.3	V	174.0	21.6
268.458333	34.88	46.02	11.14	120.000	99.9	H	129.0	23.4
608.281667	32.42	46.02	13.60	120.000	336.0	H	82.0	32.3
992.886667	38.26	53.98	15.72	120.000	104.8	H	157.0	38.0



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	36.89	73.98	37.09	1000.000	374.0	V	276.0	-0.3
3686.000000	45.27	73.98	28.71	1000.000	295.0	V	0.0	6.3
4107.000000	44.17	73.98	29.81	1000.000	410.0	H	58.0	7.4
4926.000000	46.39	73.98	27.59	1000.000	410.0	V	27.0	8.2
16072.500000	56.84	73.98	17.14	1000.000	100.0	H	276.0	25.7
17695.000000	57.98	-	-	1000.000	176.0	H	0.0	25.9

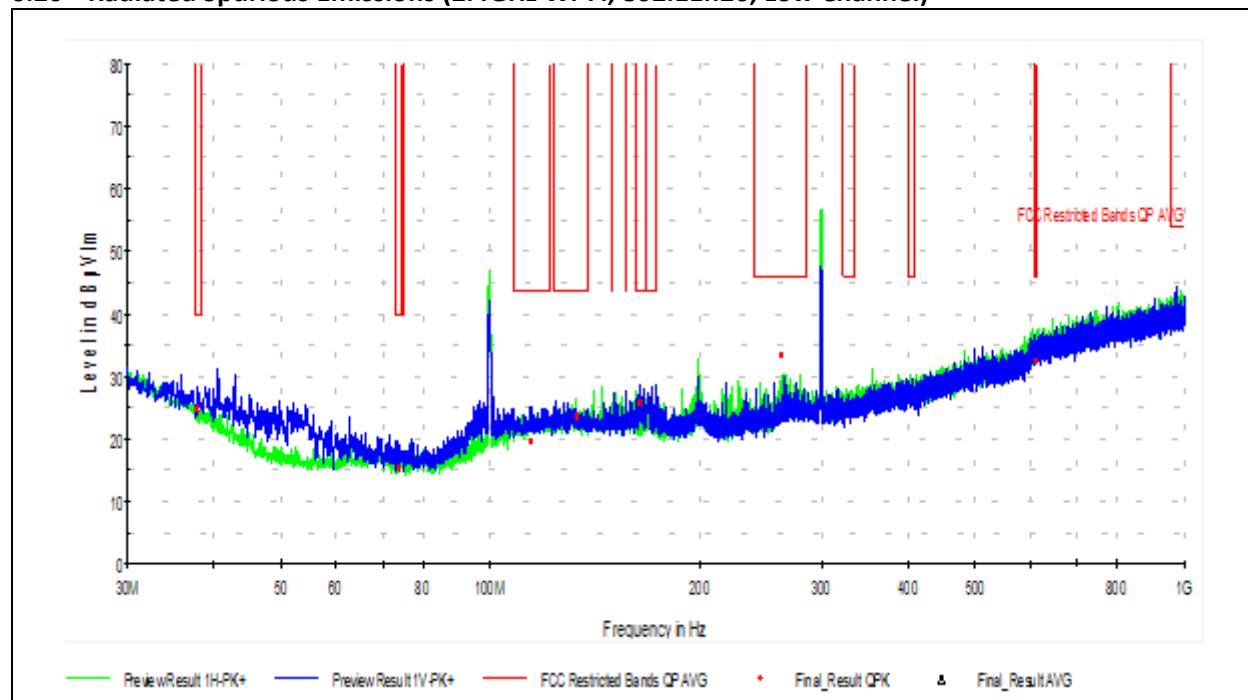
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	24.09	53.98	29.89	1000.000	374.0	V	276.0	-0.3
3686.000000	30.08	53.98	23.90	1000.000	295.0	V	0.0	6.3
4107.000000	29.61	53.98	24.37	1000.000	410.0	H	58.0	7.4
4926.000000	31.27	53.98	22.71	1000.000	410.0	V	27.0	8.2
16072.500000	43.65	53.98	10.33	1000.000	100.0	H	276.0	25.7
17695.000000	44.81	-	-	1000.000	176.0	H	0.0	25.9

Note: emissions that do not fall in a restricted band are noted with a “-”.

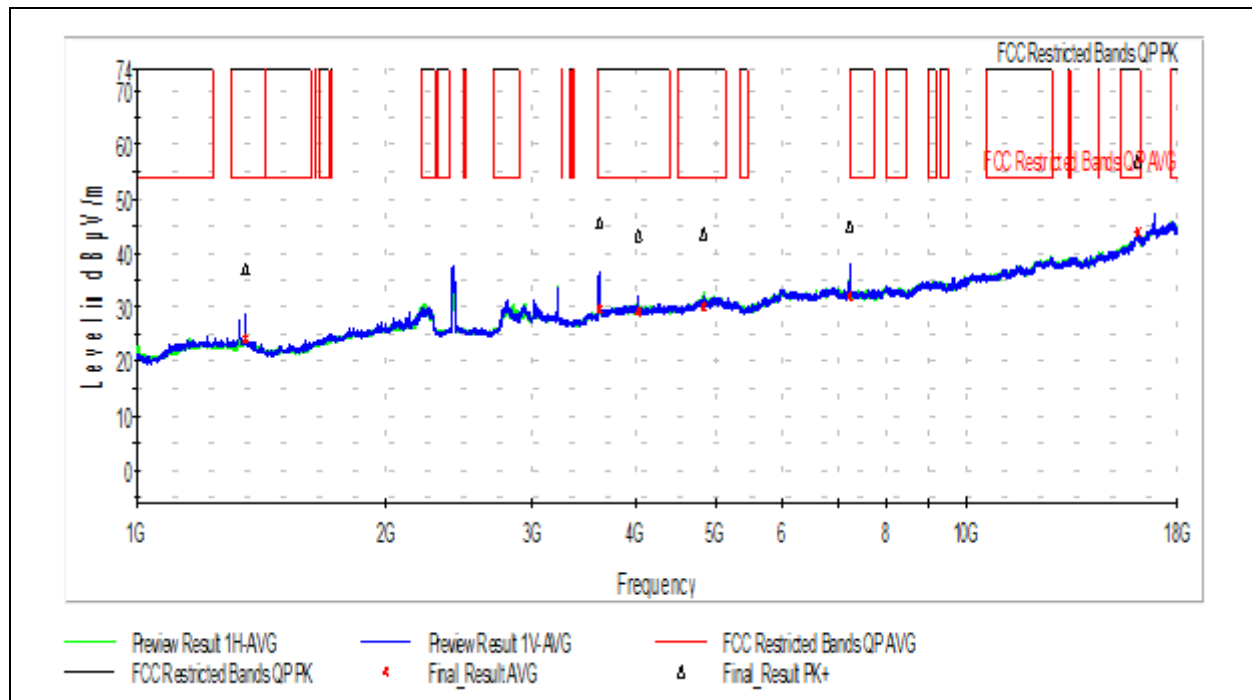


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
19718.500000	55.50	73.98	18.48	1000.000	212.0	H	221.0	15.6
22673.500000	53.42	73.98	20.56	1000.000	410.0	V	317.0	6.8
23910.000000	52.69	73.98	21.29	1000.000	100.0	H	31.0	5.9
31522.500000	56.36	73.98	17.62	1000.000	230.0	V	277.0	11.2
36490.500000	55.58	73.98	18.40	1000.000	100.0	H	-1.0	11.2

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
19718.500000	42.06	53.98	11.92	1000.000	212.0	H	221.0	15.6
22673.500000	40.55	53.98	13.43	1000.000	410.0	V	317.0	6.8
23910.000000	39.83	53.98	14.15	1000.000	100.0	H	31.0	5.9
31522.500000	43.04	53.98	10.94	1000.000	230.0	V	277.0	11.2
36490.500000	42.35	53.98	11.63	1000.000	100.0	H	-1.0	11.2

**6.20 Radiated Spurious Emissions (2.4GHz Wi-Fi, 802.11n20, Low Channel)**

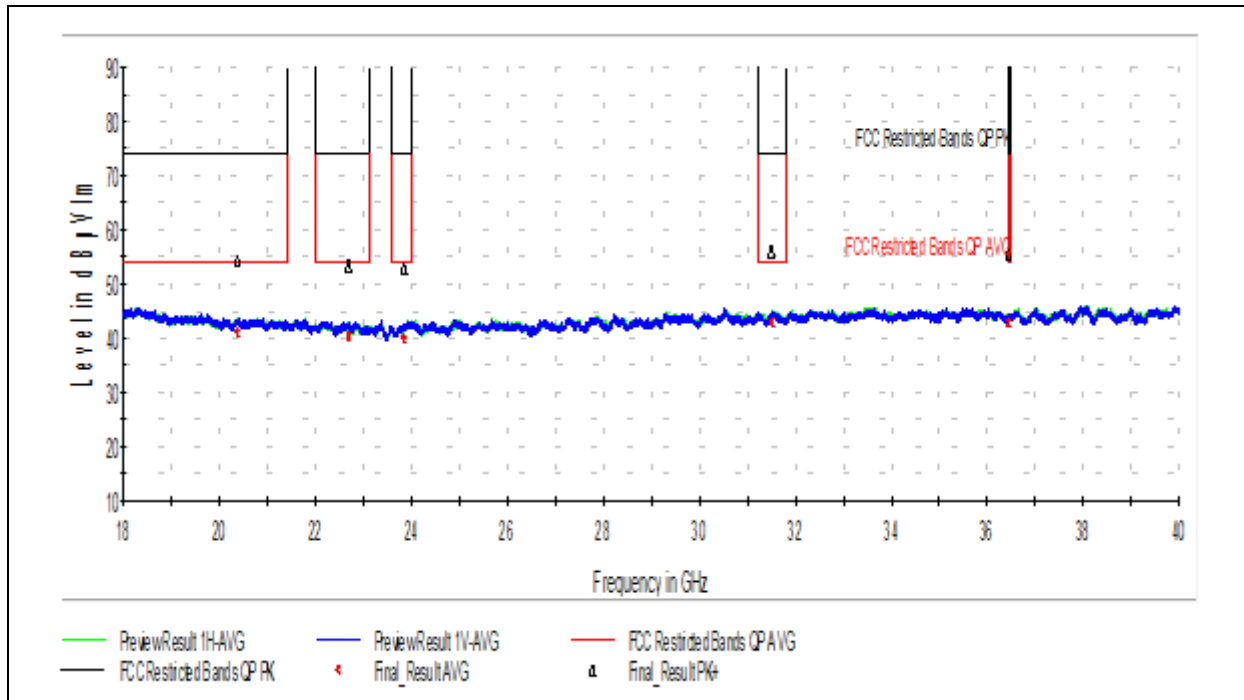
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.813889	24.77	40.00	15.23	120.000	99.8	V	140.0	22.2
73.757778	15.39	40.00	24.61	120.000	100.3	V	116.0	14.9
114.497778	19.56	43.52	23.96	120.000	400.0	V	118.0	21.4
133.143333	23.67	43.52	19.85	120.000	202.0	H	173.0	22.0
164.345000	25.72	43.52	17.80	120.000	100.0	V	163.0	21.7
262.853889	33.39	46.02	12.63	120.000	106.7	H	126.0	22.9
612.538889	32.44	46.02	13.58	120.000	130.2	H	36.0	32.3



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	37.20	73.98	36.78	1000.000	310.0	V	48.0	-0.3
3614.000000	45.60	73.98	28.38	1000.000	410.0	V	278.0	5.9
4023.000000	43.35	73.98	30.63	1000.000	297.0	V	284.0	7.1
4825.500000	43.70	73.98	30.28	1000.000	410.0	H	327.0	8.3
7235.000000	45.18	-	-	1000.000	152.0	V	275.0	11.6
16089.000000	57.09	73.98	16.89	1000.000	100.0	V	331.0	26.0

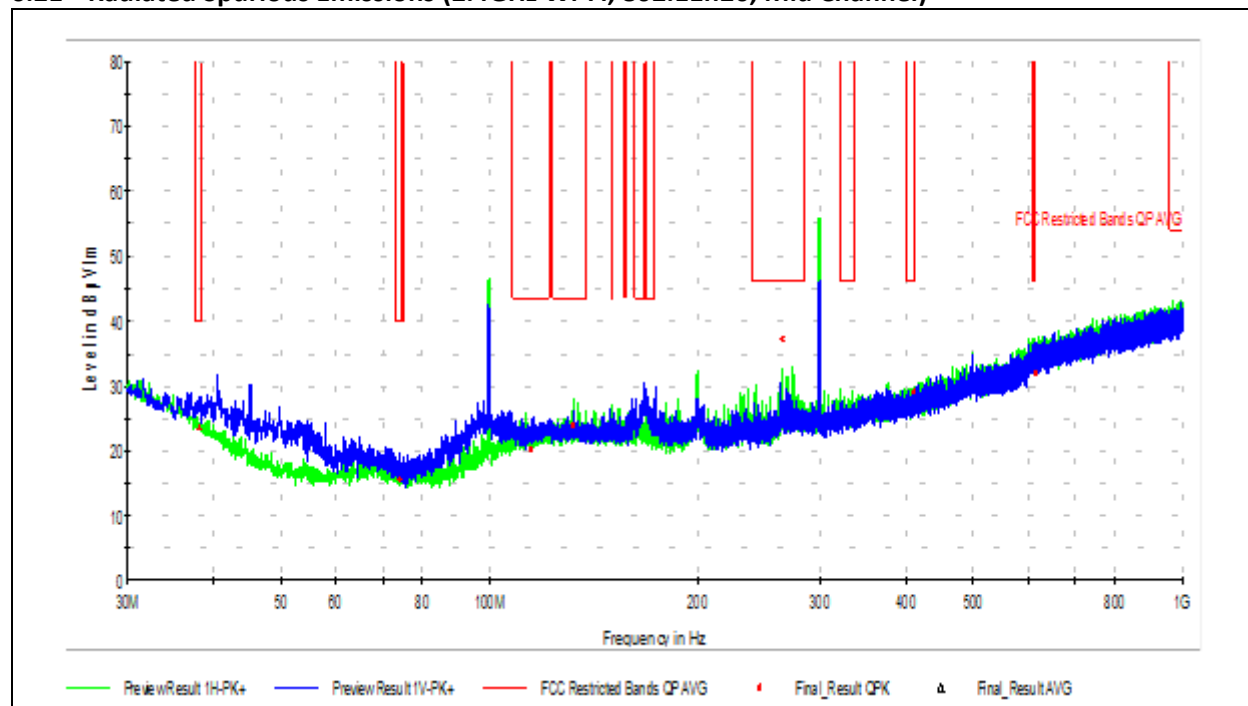
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	24.15	53.98	29.83	1000.000	310.0	V	48.0	-0.3
3614.000000	29.81	53.98	24.17	1000.000	410.0	V	278.0	5.9
4023.000000	29.23	53.98	24.75	1000.000	297.0	V	284.0	7.1
4825.500000	30.14	53.98	23.84	1000.000	410.0	H	327.0	8.3
7235.000000	31.93	-	-	1000.000	152.0	V	275.0	11.6
16089.000000	43.82	53.98	10.16	1000.000	100.0	V	331.0	26.0

Note: emissions that do not fall in a restricted band are noted with a “-”.



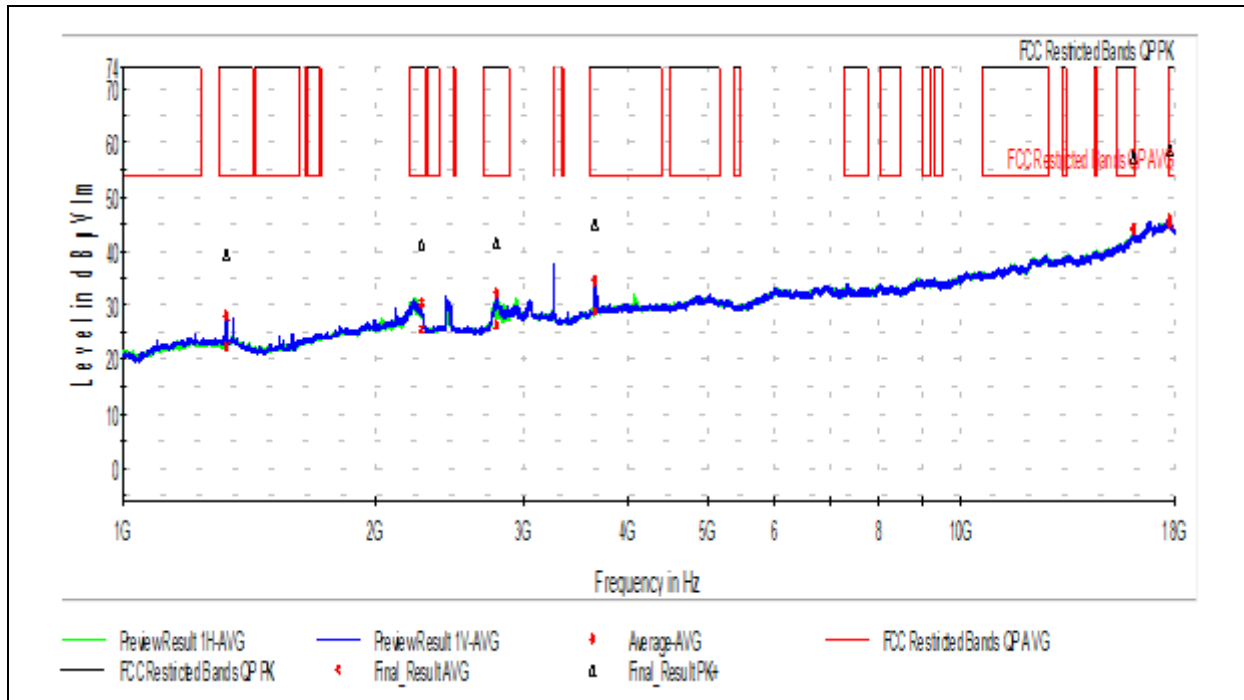
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
20374.500000	54.20	73.98	19.78	1000.000	100.0	H	27.0	12.9
22690.500000	53.49	73.98	20.49	1000.000	100.0	H	322.0	6.7
23844.500000	52.75	73.98	21.23	1000.000	410.0	H	44.0	6.2
31501.500000	56.09	73.98	17.89	1000.000	108.0	H	198.0	11.2
36435.000000	55.67	73.98	18.31	1000.000	108.0	H	331.0	11.3

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
20374.500000	41.01	53.98	12.97	1000.000	100.0	H	27.0	12.9
22690.500000	40.25	53.98	13.73	1000.000	100.0	H	322.0	6.7
23844.500000	39.69	53.98	14.29	1000.000	410.0	H	44.0	6.2
31501.500000	42.93	53.98	11.05	1000.000	108.0	H	198.0	11.2
36435.000000	42.51	53.98	11.47	1000.000	108.0	H	331.0	11.3

**6.21 Radiated Spurious Emissions (2.4GHz Wi-Fi, 802.11n20, Mid Channel)**

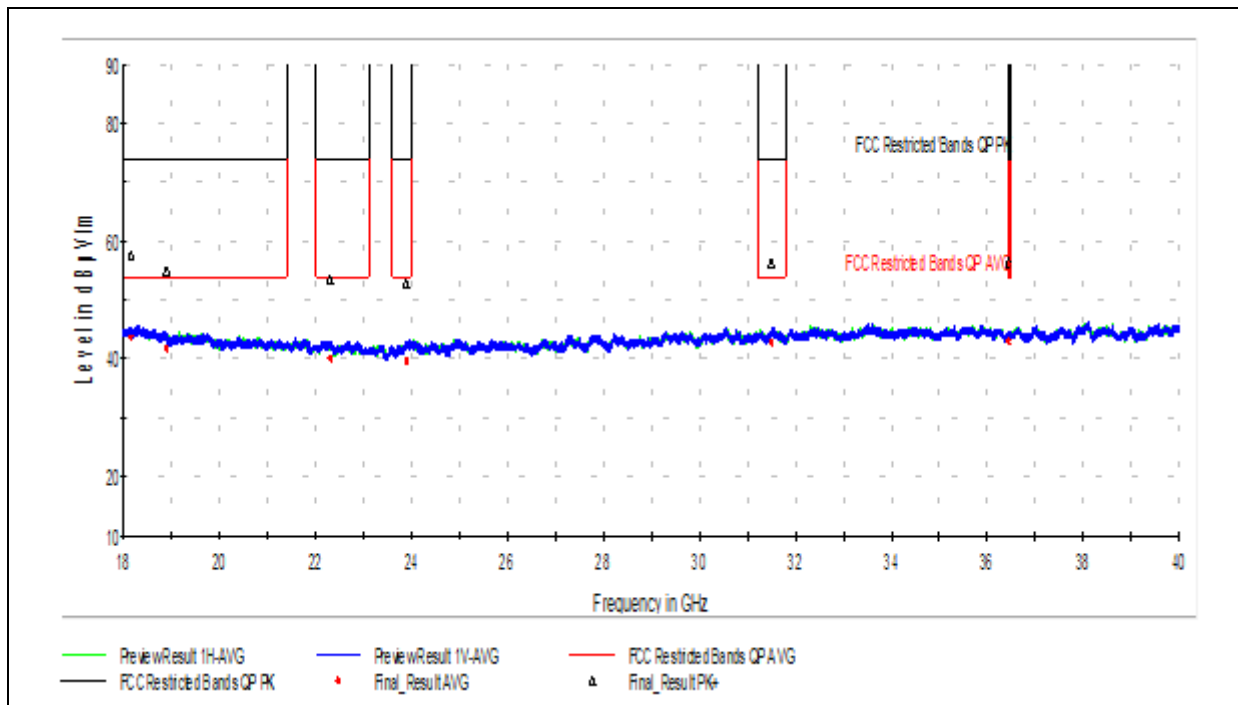
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.083333	23.52	40.00	16.48	120.000	100.2	V	145.0	22.0
74.081111	15.47	40.00	24.53	120.000	100.2	V	127.0	14.9
114.928889	20.20	43.52	23.32	120.000	105.4	V	228.0	21.5
132.011667	23.87	43.52	19.65	120.000	225.2	H	156.0	22.0
265.171111	37.20	46.02	8.82	120.000	106.7	H	118.0	23.3
410.132222	29.05	-	-	120.000	100.0	H	37.0	27.3
614.640556	31.98	-	-	120.000	177.7	V	0.0	31.8

Note: emissions that do not fall in a restricted band are noted with a “-”.



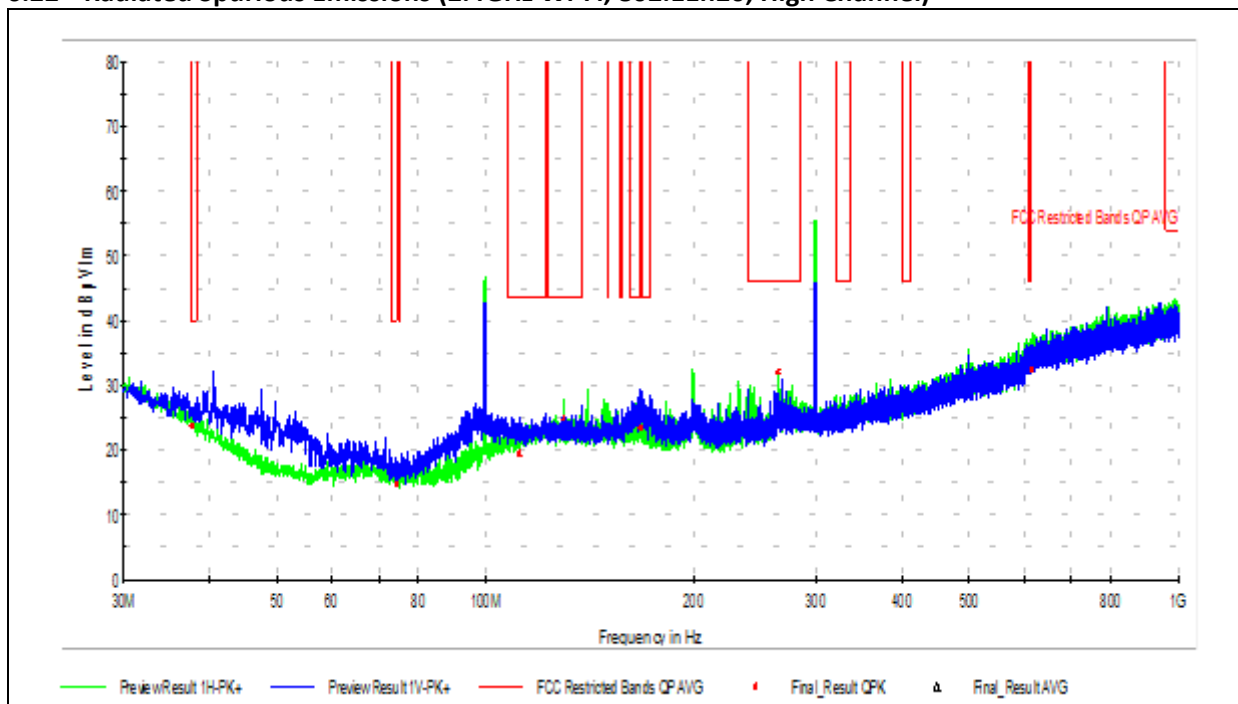
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1328.000000	39.35	73.98	34.63	1000.000	134.0	V	247.0	-0.2
2268.000000	41.26	73.98	32.72	1000.000	195.0	V	0.0	3.2
2789.000000	41.77	73.98	32.21	1000.000	231.0	V	289.0	4.4
3653.500000	45.17	73.98	28.81	1000.000	356.0	V	12.0	6.2
16106.500000	57.16	73.98	16.82	1000.000	100.0	H	300.0	26.1
17771.000000	58.65	73.98	15.33	1000.000	100.0	H	246.0	26.2

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1328.000000	22.24	53.98	31.74	1000.000	134.0	V	247.0	-0.2
2268.000000	25.51	53.98	28.47	1000.000	195.0	V	0.0	3.2
2789.000000	26.41	53.98	27.57	1000.000	231.0	V	289.0	4.4
3653.500000	28.97	53.98	25.01	1000.000	356.0	V	12.0	6.2
16106.500000	43.95	53.98	10.03	1000.000	100.0	H	300.0	26.1
17771.000000	45.05	53.98	8.93	1000.000	100.0	H	246.0	26.2



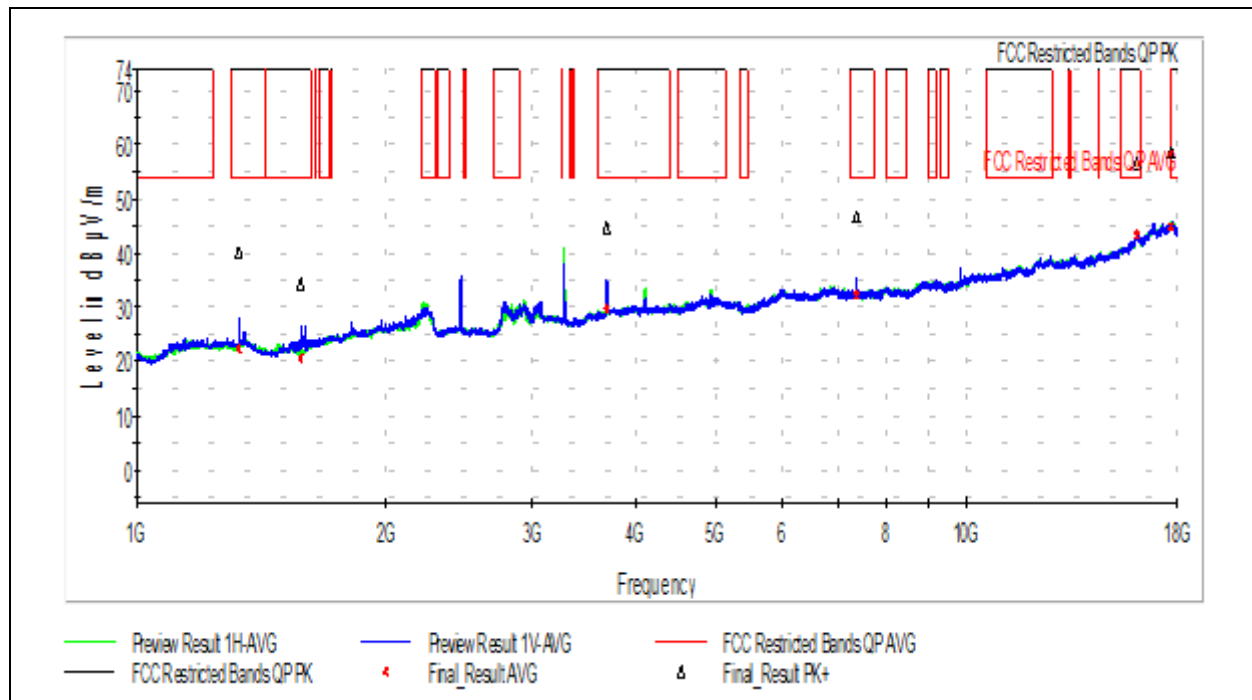
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18155.500000	57.59	73.98	16.39	1000.000	196.0	V	0.0	20.6
18887.000000	55.05	73.98	18.93	1000.000	100.0	V	34.0	18.2
22300.500000	53.44	73.98	20.54	1000.000	410.0	H	74.0	7.6
23877.500000	52.86	73.98	21.12	1000.000	108.0	V	141.0	6.0
31494.000000	56.31	73.98	17.67	1000.000	108.0	H	46.0	11.2
36436.500000	56.60	73.98	17.38	1000.000	108.0	V	9.0	11.3

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18155.500000	43.42	53.98	10.56	1000.000	196.0	V	0.0	20.6
18887.000000	41.70	53.98	12.28	1000.000	100.0	V	34.0	18.2
22300.500000	40.06	53.98	13.92	1000.000	410.0	H	74.0	7.6
23877.500000	39.68	53.98	14.30	1000.000	108.0	V	141.0	6.0
31494.000000	42.93	53.98	11.05	1000.000	108.0	H	46.0	11.2
36436.500000	42.90	53.98	11.08	1000.000	108.0	V	9.0	11.3

**6.22 Radiated Spurious Emissions (2.4GHz Wi-Fi, 802.11n20, High Channel)**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.652222	23.66	40.00	16.34	120.000	100.3	V	108.0	22.3
74.404445	14.76	40.00	25.24	120.000	100.5	V	193.0	14.9
111.803333	19.50	43.52	24.02	120.000	100.5	V	148.0	21.2
129.694445	24.79	43.52	18.73	120.000	225.2	H	167.0	22.0
167.147222	23.45	43.52	20.07	120.000	105.2	V	174.0	21.7
265.225000	32.23	46.02	13.79	120.000	100.1	H	116.0	23.3
615.341111	32.39	-	-	120.000	165.7	H	282.0	32.3

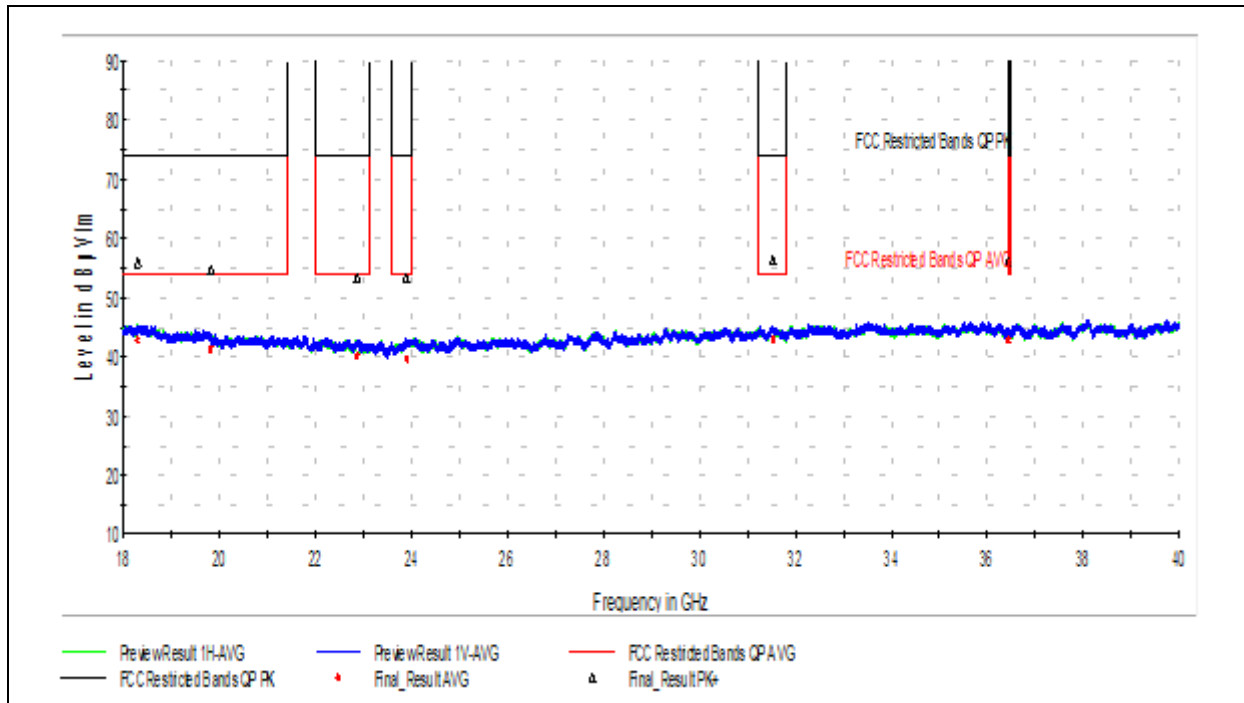
Note: emissions that do not fall in a restricted band are noted with a "-".



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1329.500000	40.22	73.98	33.76	1000.000	109.0	V	299.0	-0.2
1578.500000	34.25	73.98	39.73	1000.000	153.0	V	154.0	-1.2
3687.000000	44.83	73.98	29.15	1000.000	224.0	V	0.0	6.3
7385.000000	46.71	73.98	27.27	1000.000	341.0	V	0.0	11.5
16053.000000	56.76	73.98	17.22	1000.000	100.0	H	266.0	25.2
17660.500000	58.62	-	-	1000.000	100.0	H	110.0	25.9

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1329.500000	22.43	53.98	31.55	1000.000	109.0	V	299.0	-0.2
1578.500000	20.78	53.98	33.20	1000.000	153.0	V	154.0	-1.2
3687.000000	29.71	53.98	24.27	1000.000	224.0	V	0.0	6.3
7385.000000	32.17	53.98	21.81	1000.000	341.0	V	0.0	11.5
16053.000000	43.38	53.98	10.60	1000.000	100.0	H	266.0	25.2
17660.500000	44.82	-	-	1000.000	100.0	H	110.0	25.9

Note: emissions that do not fall in a restricted band are noted with a “-”.

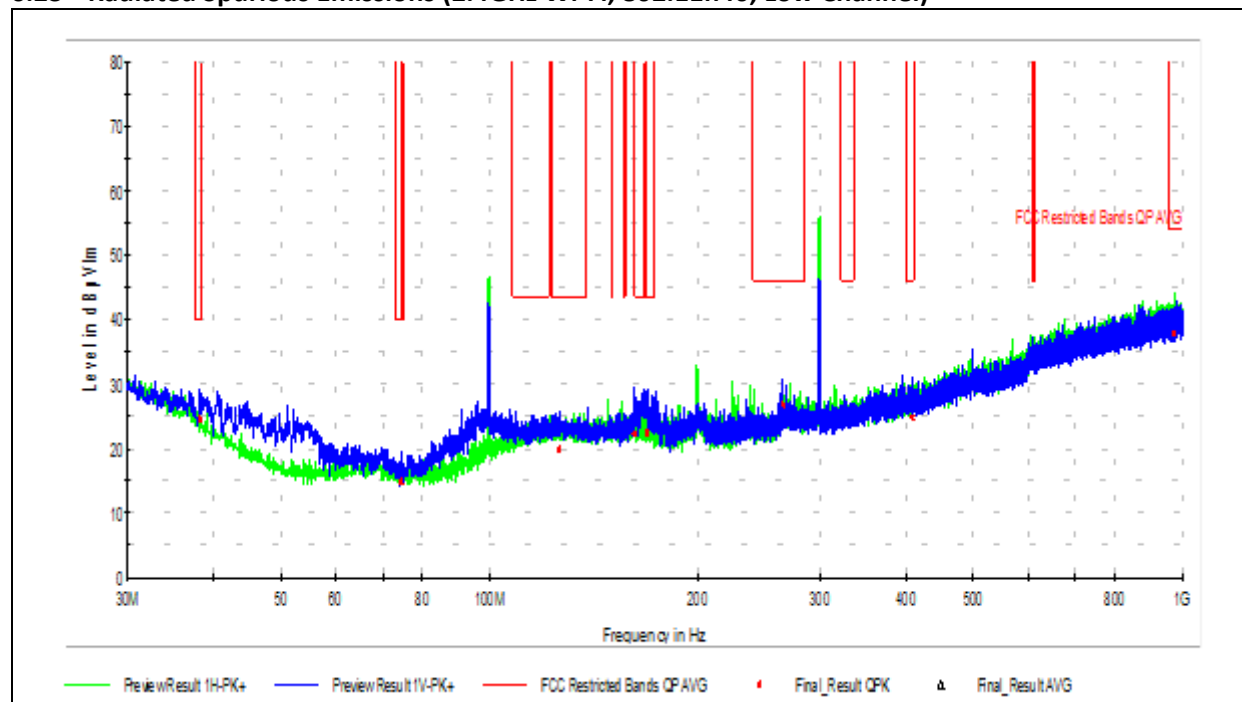


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18285.500000	56.02	73.98	17.96	1000.000	100.0	H	132.0	20.0
19824.000000	54.67	73.98	19.31	1000.000	213.0	V	268.0	15.1
22874.500000	53.38	73.98	20.60	1000.000	410.0	V	331.0	6.5
23881.500000	53.35	73.98	20.63	1000.000	100.0	V	111.0	6.0
31524.000000	56.37	73.98	17.61	1000.000	215.0	V	58.0	11.2
36436.500000	56.19	73.98	17.79	1000.000	100.0	V	219.0	11.3

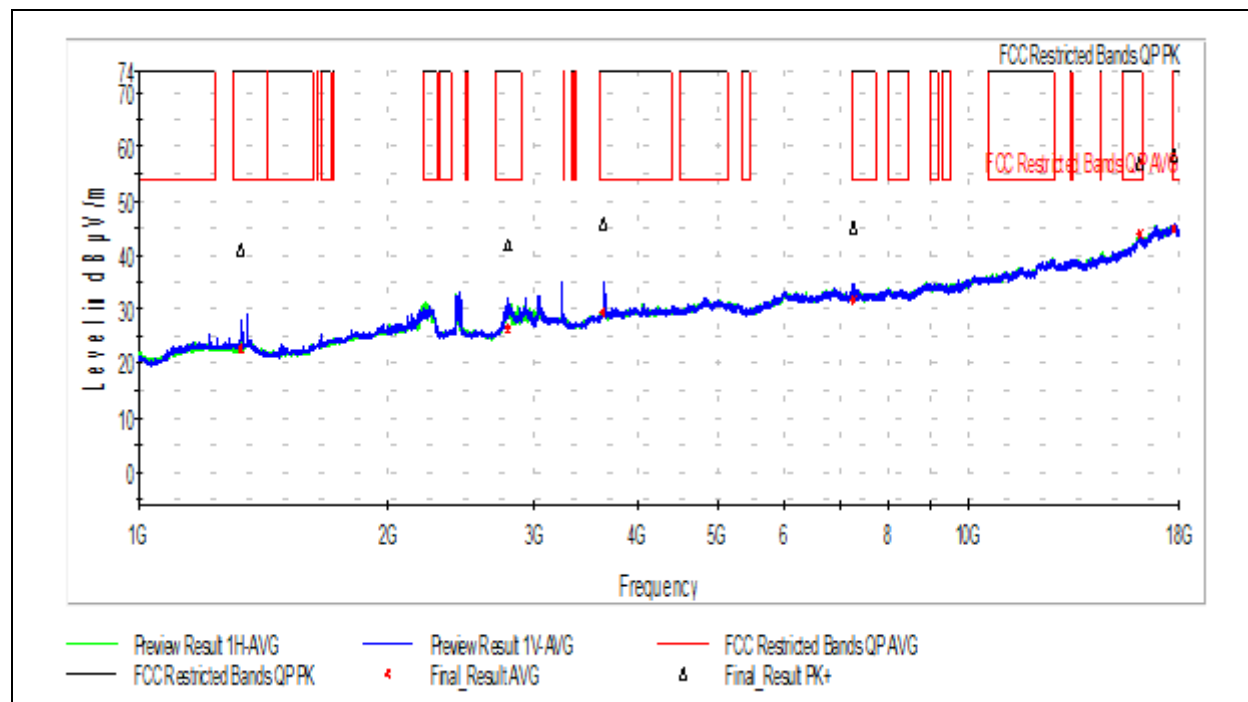
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18285.500000	42.80	53.98	11.18	1000.000	100.0	H	132.0	20.0
19824.000000	41.38	53.98	12.60	1000.000	213.0	V	268.0	15.1
22874.500000	39.95	53.98	14.03	1000.000	410.0	V	331.0	6.5
23881.500000	39.64	53.98	14.34	1000.000	100.0	V	111.0	6.0
31524.000000	43.08	53.98	10.90	1000.000	215.0	V	58.0	11.2
36436.500000	42.86	53.98	11.12	1000.000	100.0	V	219.0	11.3



6.23 Radiated Spurious Emissions (2.4GHz Wi-Fi, 802.11n40, Low Channel)



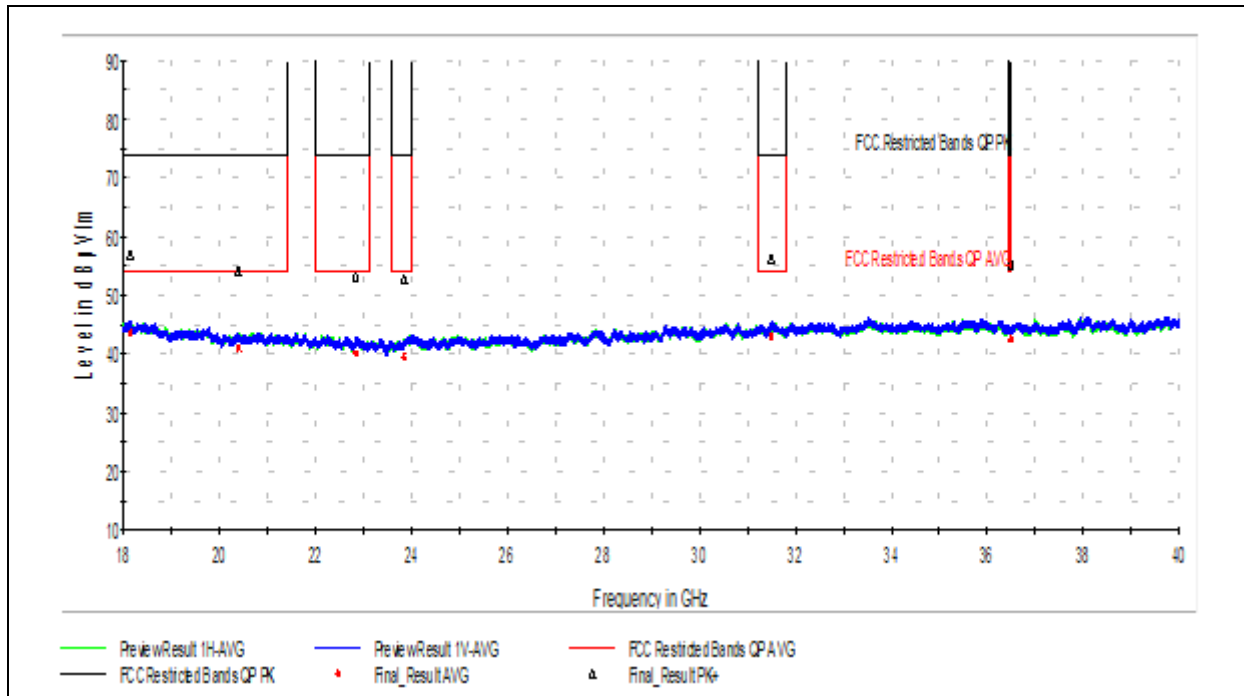
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.191111	24.61	40.00	15.39	120.000	99.9	V	100.0	21.9
74.458333	14.94	40.00	25.06	120.000	106.4	V	167.0	14.9
125.976111	19.94	43.52	23.58	120.000	107.1	V	176.0	22.4
162.081667	22.27	43.52	21.25	120.000	105.2	V	63.0	21.7
168.494445	22.44	43.52	21.08	120.000	105.1	V	128.0	21.6
265.171111	26.80	46.02	19.22	120.000	99.9	V	90.0	23.2
408.246111	24.75	46.02	21.27	120.000	225.2	V	331.0	26.9
974.941667	37.75	53.98	16.23	120.000	309.4	H	45.0	37.6



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1328.500000	41.09	73.98	32.89	1000.000	162.0	V	292.0	-0.2
2791.000000	42.06	73.98	31.92	1000.000	213.0	V	286.0	4.4
3630.500000	45.93	73.98	28.05	1000.000	197.0	V	284.0	6.0
7276.500000	45.14	73.98	28.84	1000.000	162.0	V	274.0	11.5
16102.500000	57.05	73.98	16.93	1000.000	100.0	H	302.0	26.2
17690.000000	58.44	-	-	1000.000	100.0	H	345.0	25.9

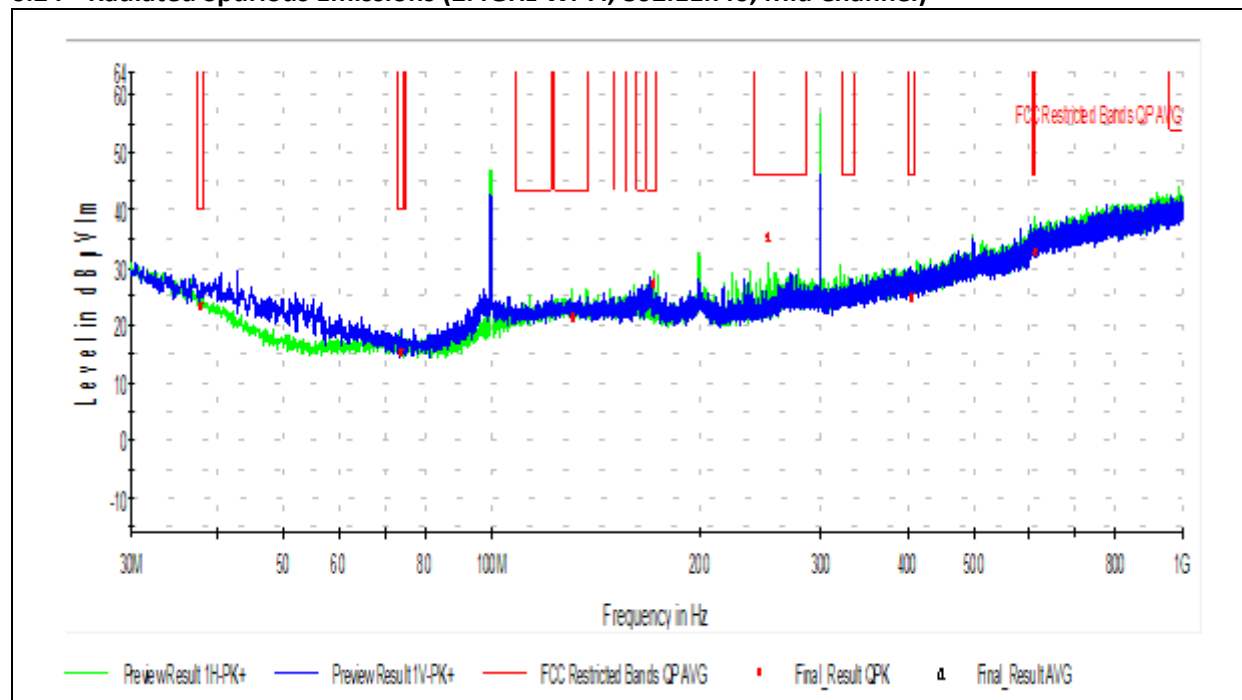
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1328.500000	22.57	53.98	31.41	1000.000	162.0	V	292.0	-0.2
2791.000000	26.46	53.98	27.52	1000.000	213.0	V	286.0	4.4
3630.500000	29.47	53.98	24.51	1000.000	197.0	V	284.0	6.0
7276.500000	31.60	53.98	22.38	1000.000	162.0	V	274.0	11.5
16102.500000	43.98	53.98	10.00	1000.000	100.0	H	302.0	26.2
17690.000000	44.75	-	-	1000.000	100.0	H	345.0	25.9

Note: emissions that do not fall in a restricted band are noted with a “-”.

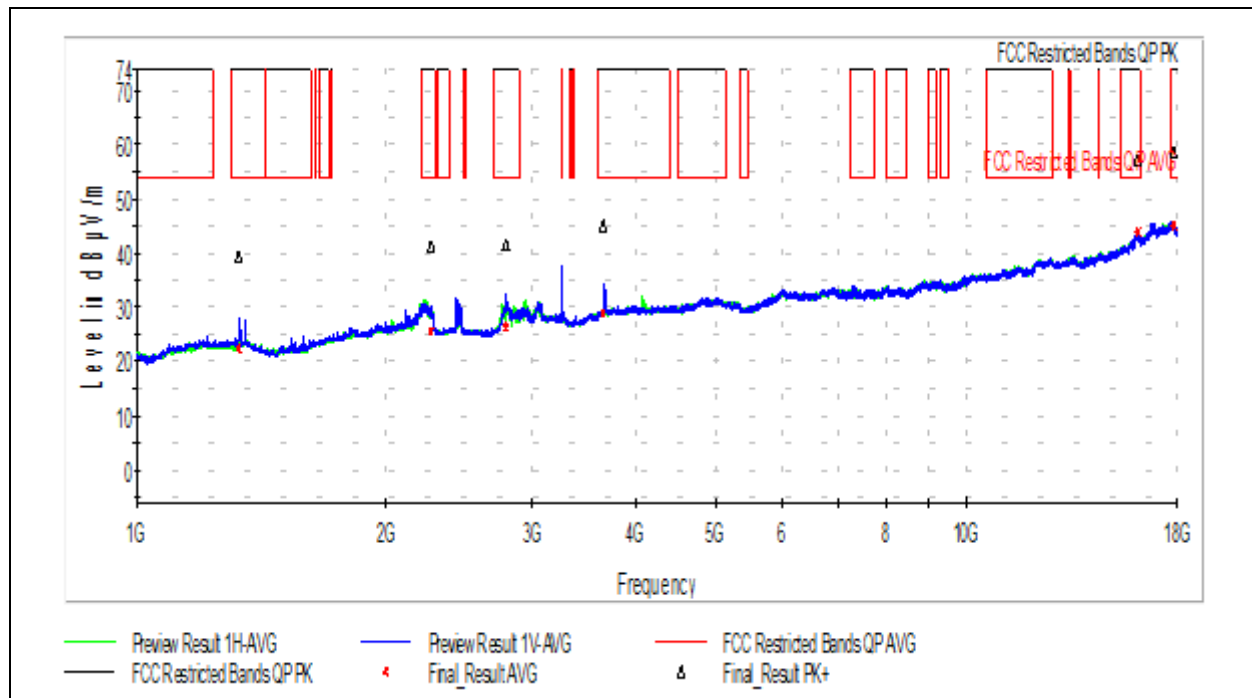


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18136.000000	56.97	73.98	17.01	1000.000	410.0	V	0.0	20.7
20392.000000	54.13	73.98	19.85	1000.000	197.0	V	14.0	13.0
22839.500000	53.33	73.98	20.65	1000.000	410.0	V	220.0	6.2
23842.000000	52.95	73.98	21.03	1000.000	263.0	V	48.0	6.2
31502.000000	56.43	73.98	17.55	1000.000	410.0	V	0.0	11.3
36494.000000	55.57	73.98	18.41	1000.000	100.0	H	127.0	11.1

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18136.000000	43.69	53.98	10.29	1000.000	410.0	V	0.0	20.7
20392.000000	41.11	53.98	12.87	1000.000	197.0	V	14.0	13.0
22839.500000	39.92	53.98	14.06	1000.000	410.0	V	220.0	6.2
23842.000000	39.60	53.98	14.38	1000.000	263.0	V	48.0	6.2
31502.000000	43.09	53.98	10.89	1000.000	410.0	V	0.0	11.3
36494.000000	42.53	53.98	11.45	1000.000	100.0	H	127.0	11.1

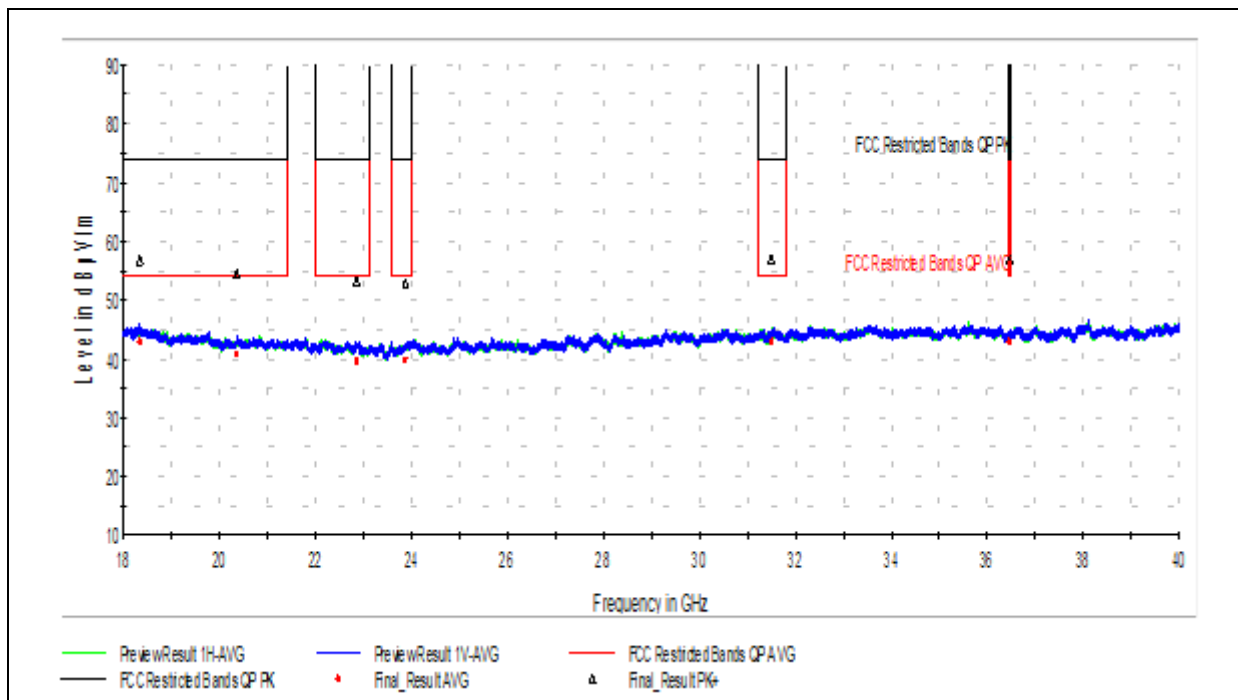
**6.24 Radiated Spurious Emissions (2.4GHz Wi-Fi, 802.11n40, Mid Channel)**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.813889	23.24	40.00	16.76	120.000	99.8	V	116.0	22.2
73.811667	15.33	40.00	24.67	120.000	99.9	V	251.0	14.9
130.826111	21.33	43.52	22.19	120.000	249.3	H	164.0	22.1
171.404445	27.08	43.52	16.44	120.000	141.8	H	146.0	21.1
251.267778	35.08	46.02	10.94	120.000	105.0	H	127.0	21.7
405.497778	24.76	46.02	21.26	120.000	118.1	V	322.0	26.8
611.299444	32.48	46.02	13.54	120.000	123.0	H	-3.0	32.3



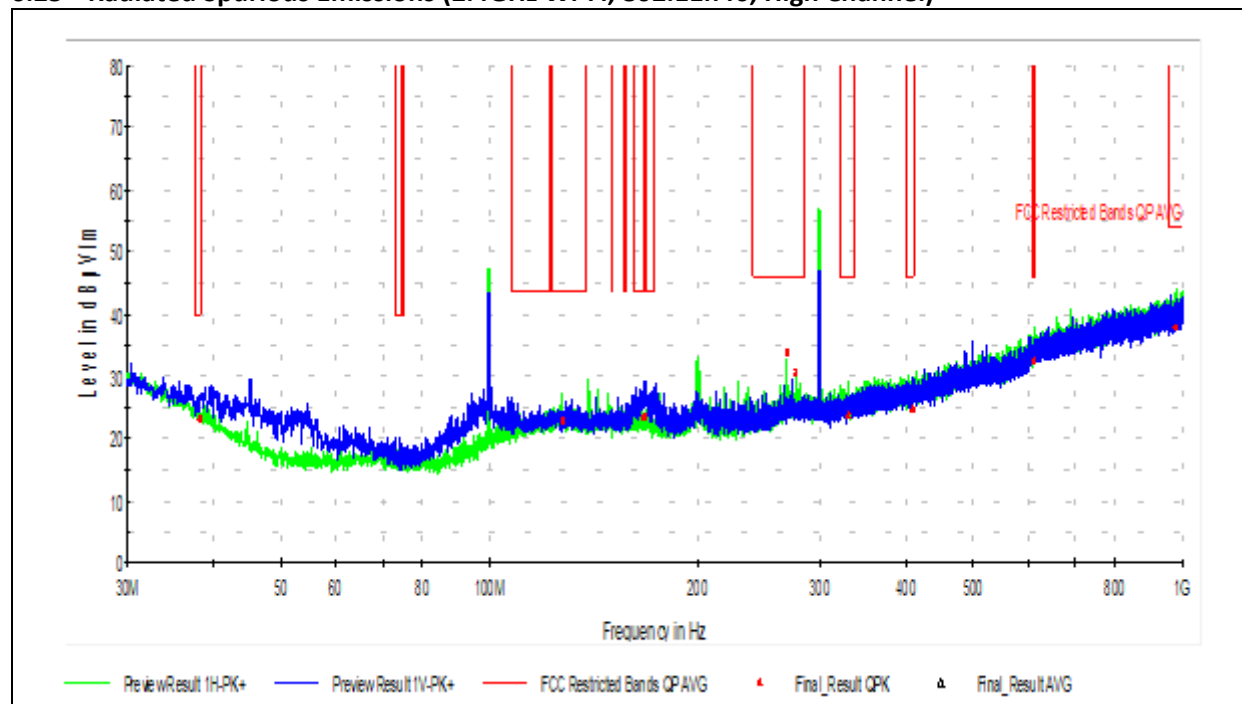
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1328.000000	39.35	73.98	34.63	1000.000	134.0	V	247.0	-0.2
2268.000000	41.26	73.98	32.72	1000.000	195.0	V	0.0	3.2
2789.000000	41.77	73.98	32.21	1000.000	231.0	V	289.0	4.4
3653.500000	45.17	73.98	28.81	1000.000	356.0	V	12.0	6.2
16106.500000	57.16	73.98	16.82	1000.000	100.0	H	300.0	26.1
17771.000000	58.65	73.98	15.33	1000.000	100.0	H	246.0	26.2

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1328.000000	22.24	53.98	31.74	1000.000	134.0	V	247.0	-0.2
2268.000000	25.51	53.98	28.47	1000.000	195.0	V	0.0	3.2
2789.000000	26.41	53.98	27.57	1000.000	231.0	V	289.0	4.4
3653.500000	28.97	53.98	25.01	1000.000	356.0	V	12.0	6.2
16106.500000	43.95	53.98	10.03	1000.000	100.0	H	300.0	26.1
17771.000000	45.05	53.98	8.93	1000.000	100.0	H	246.0	26.2

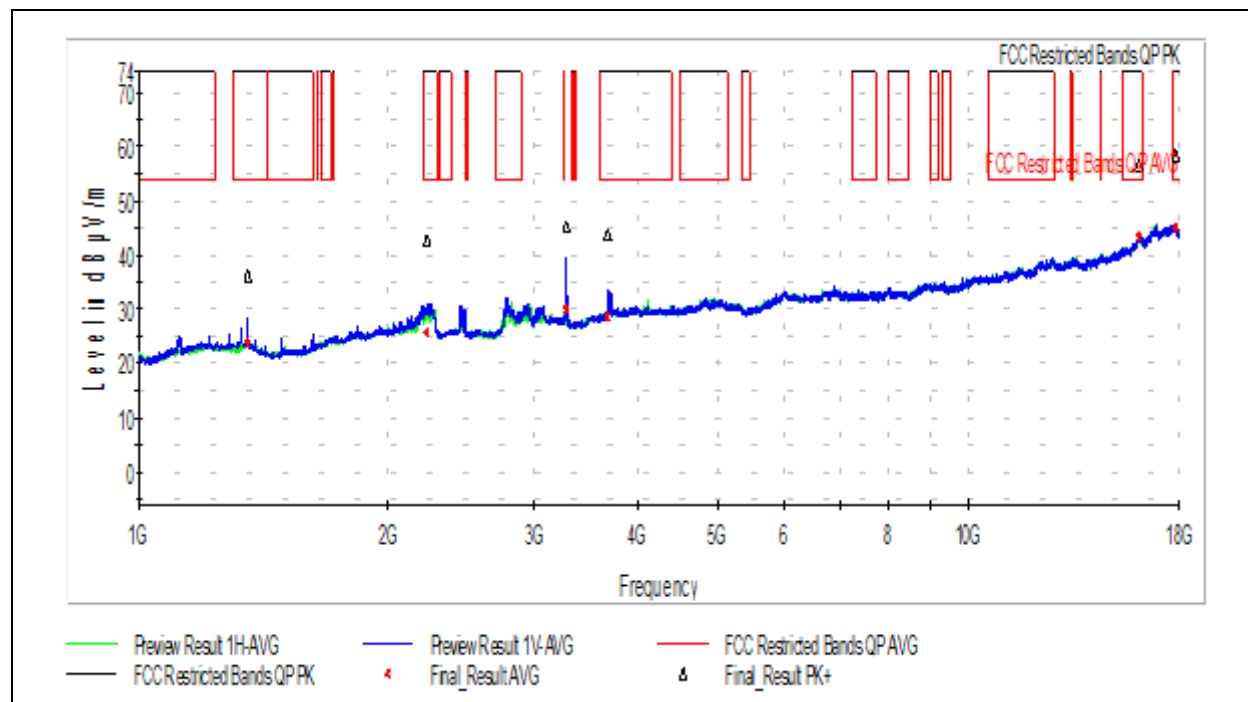


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18335.500000	56.90	73.98	17.08	1000.000	100.0	V	0.0	20.0
20358.000000	54.44	73.98	19.54	1000.000	100.0	V	260.0	12.8
22847.500000	53.21	73.98	20.77	1000.000	100.0	V	27.0	6.3
23868.500000	52.87	73.98	21.11	1000.000	231.0	V	243.0	6.1
31503.000000	57.04	73.98	16.94	1000.000	100.0	H	36.0	11.2
36455.000000	57.03	73.98	16.95	1000.000	168.0	H	0.0	11.2

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18335.500000	42.97	53.98	11.01	1000.000	100.0	V	0.0	20.0
20358.000000	40.90	53.98	13.08	1000.000	100.0	V	260.0	12.8
22847.500000	39.75	53.98	14.23	1000.000	100.0	V	27.0	6.3
23868.500000	39.65	53.98	14.33	1000.000	231.0	V	243.0	6.1
31503.000000	43.02	53.98	10.96	1000.000	100.0	H	36.0	11.2
36455.000000	42.88	53.98	11.10	1000.000	168.0	H	0.0	11.2

**6.25 Radiated Spurious Emissions (2.4GHz Wi-Fi, 802.11n40, High Channel)**

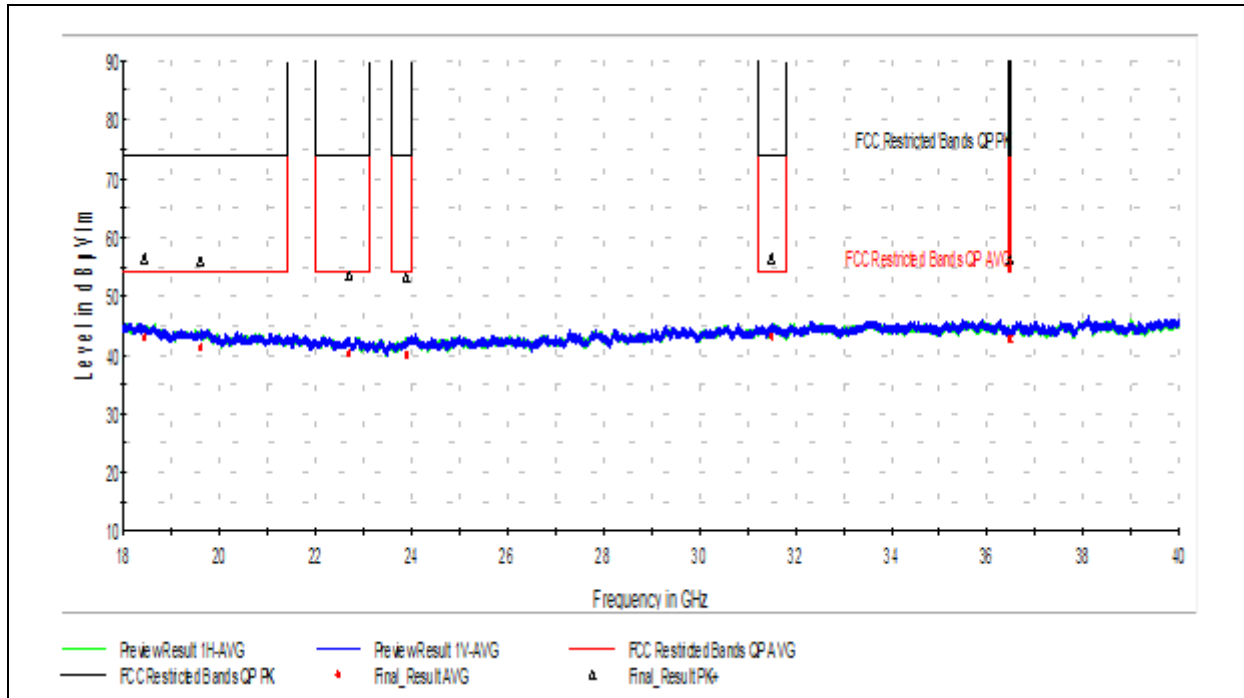
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.137222	23.18	40.00	16.82	120.000	100.1	V	0.0	22.0
127.431111	22.79	43.52	20.73	120.000	236.6	H	155.0	22.1
167.039445	23.24	43.52	20.28	120.000	105.0	V	138.0	21.7
167.955556	23.47	43.52	20.05	120.000	104.9	V	174.0	21.7
268.673889	33.92	46.02	12.10	120.000	105.3	H	128.0	23.5
276.811111	30.61	46.02	15.41	120.000	100.1	H	128.0	23.7
329.676111	23.61	46.02	22.41	120.000	104.9	H	190.0	25.0
408.892778	24.75	46.02	21.27	120.000	177.5	V	174.0	26.9
610.976111	32.40	46.02	13.62	120.000	141.9	H	237.0	32.3
980.007222	37.96	53.98	16.02	120.000	399.9	H	156.0	37.8



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	36.14	73.98	37.84	1000.000	299.0	V	272.0	-0.3
2229.000000	42.82	73.98	31.16	1000.000	370.0	V	0.0	3.2
3282.500000	45.31	-	-	1000.000	322.0	V	285.0	5.3
3678.000000	43.88	73.98	30.10	1000.000	109.0	V	336.0	6.3
16062.000000	56.83	73.98	17.15	1000.000	410.0	H	90.0	25.4
17767.000000	58.52	73.98	15.46	1000.000	109.0	H	162.0	26.2

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	23.77	53.98	30.21	1000.000	299.0	V	272.0	-0.3
2229.000000	25.89	53.98	28.09	1000.000	370.0	V	0.0	3.2
3282.500000	29.96	-	-	1000.000	322.0	V	285.0	5.3
3678.000000	28.53	53.98	25.45	1000.000	109.0	V	336.0	6.3
16062.000000	43.47	53.98	10.51	1000.000	410.0	H	90.0	25.4
17767.000000	45.01	53.98	8.97	1000.000	109.0	H	162.0	26.2

Note: emissions that do not fall in a restricted band are noted with a “-”.

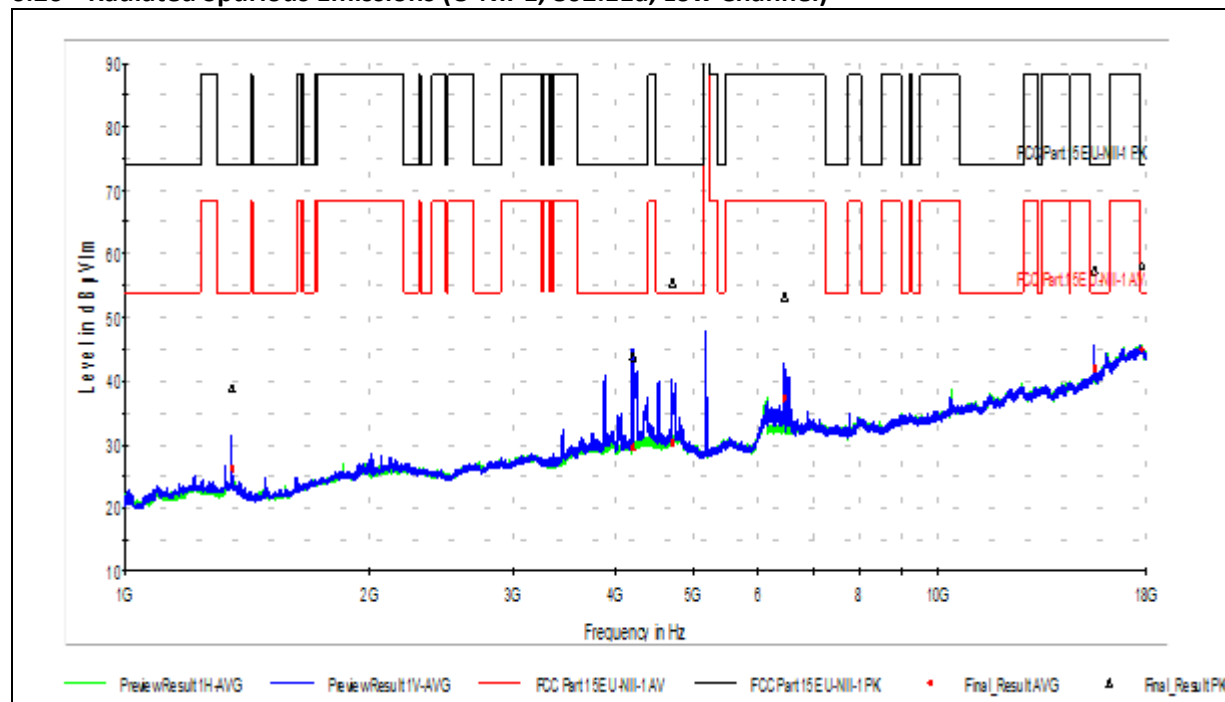


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18437.000000	56.36	73.98	17.62	1000.000	100.0	H	105.0	19.5
19598.500000	56.05	73.98	17.93	1000.000	100.0	H	31.0	15.6
22695.000000	53.64	73.98	20.34	1000.000	410.0	H	276.0	6.7
23892.500000	53.16	73.98	20.82	1000.000	410.0	H	0.0	5.9
31493.000000	56.34	73.98	17.64	1000.000	176.0	V	8.0	11.2
36470.000000	56.16	73.98	17.82	1000.000	109.0	H	25.0	11.2

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18437.000000	43.03	53.98	10.95	1000.000	100.0	H	105.0	19.5
19598.500000	41.26	53.98	12.72	1000.000	100.0	H	31.0	15.6
22695.000000	40.25	53.98	13.73	1000.000	410.0	H	276.0	6.7
23892.500000	39.85	53.98	14.13	1000.000	410.0	H	0.0	5.9
31493.000000	43.07	53.98	10.91	1000.000	176.0	V	8.0	11.2
36470.000000	42.81	53.98	11.17	1000.000	109.0	H	25.0	11.2

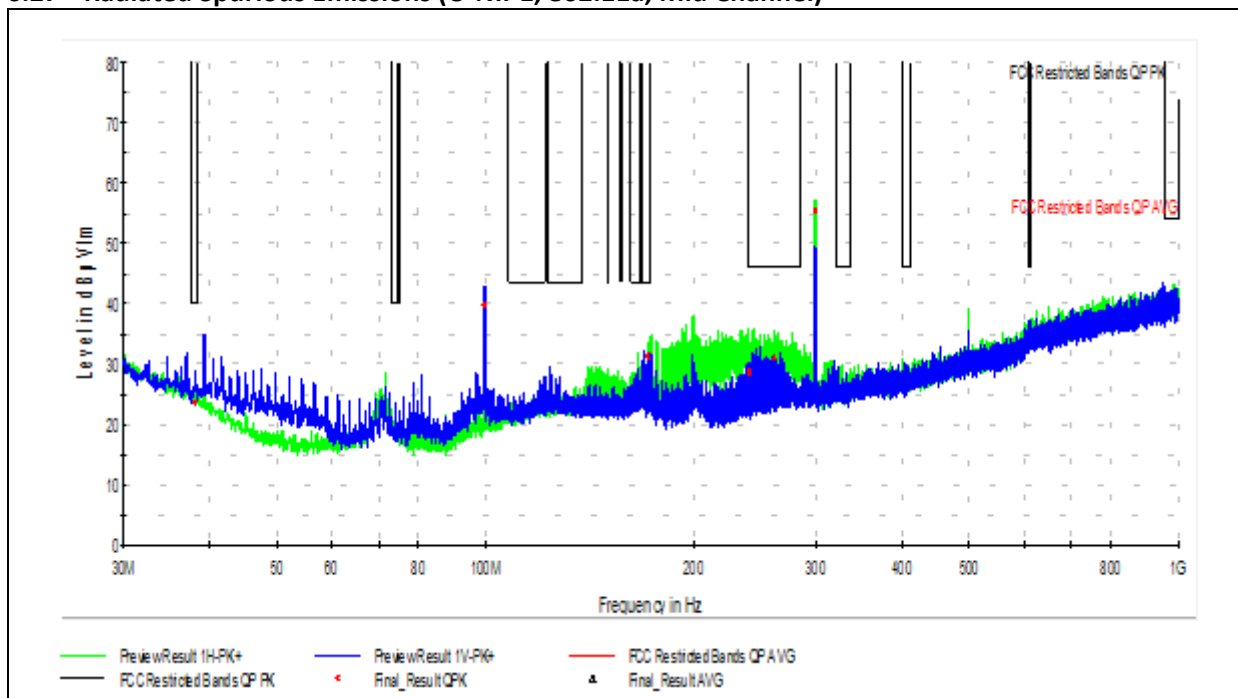


6.26 Radiated Spurious Emissions (U-NII-1, 802.11a, Low Channel)



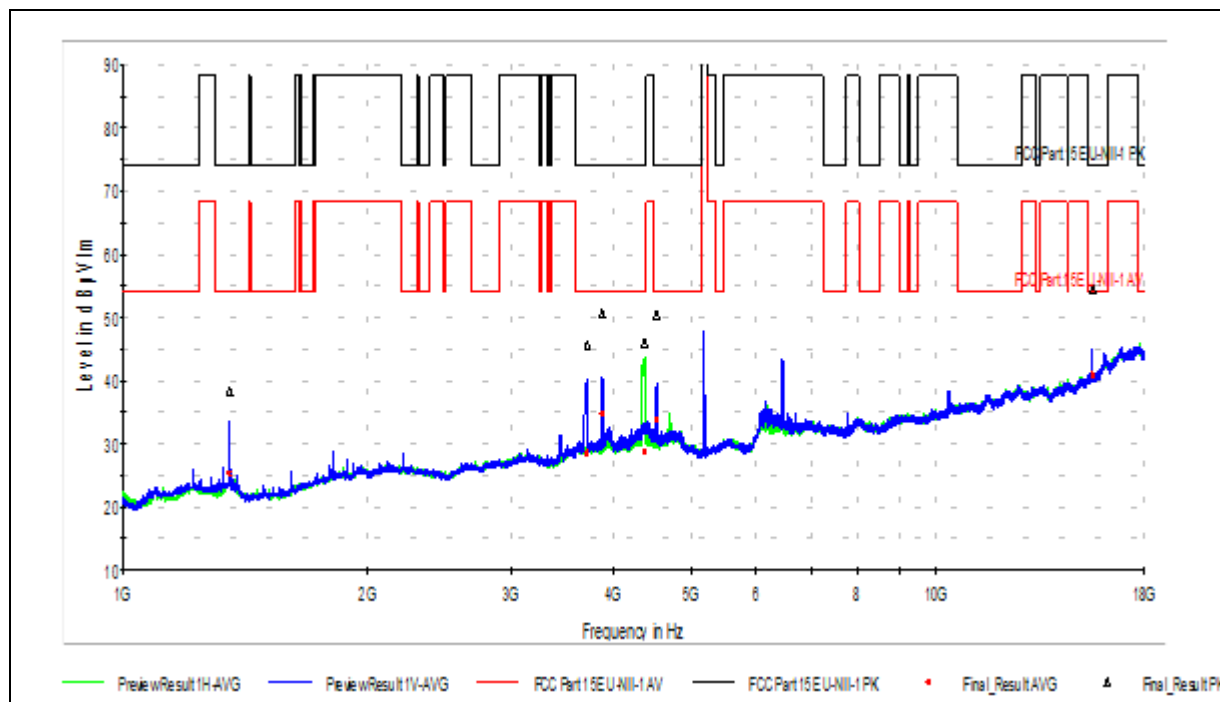
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	38.89	73.98	35.09	1000.000	295.0	V	46.0	-0.3
4209.500000	43.96	73.98	30.02	1000.000	261.0	V	76.0	7.6
4708.500000	55.30	73.98	18.68	1000.000	183.0	V	97.0	8.1
6473.500000	53.15	88.23	35.08	1000.000	184.0	V	98.0	11.1
15535.500000	57.53	73.98	16.45	1000.000	261.0	V	292.0	21.9
17795.500000	58.30	73.98	15.68	1000.000	410.0	H	293.0	26.3

Frequency (MHz)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	26.09	53.98	27.89	1000.000	295.0	V	46.0	-0.3
4209.500000	29.48	53.98	24.50	1000.000	261.0	V	76.0	7.6
4708.500000	30.28	53.98	23.70	1000.000	183.0	V	97.0	8.1
6473.500000	37.34	68.23	30.89	1000.000	184.0	V	98.0	11.1
15535.500000	41.96	53.98	12.02	1000.000	261.0	V	292.0	21.9
17795.500000	44.86	53.98	9.12	1000.000	410.0	H	293.0	26.3

**6.27 Radiated Spurious Emissions (U-NII-1, 802.11a, Mid Channel)**

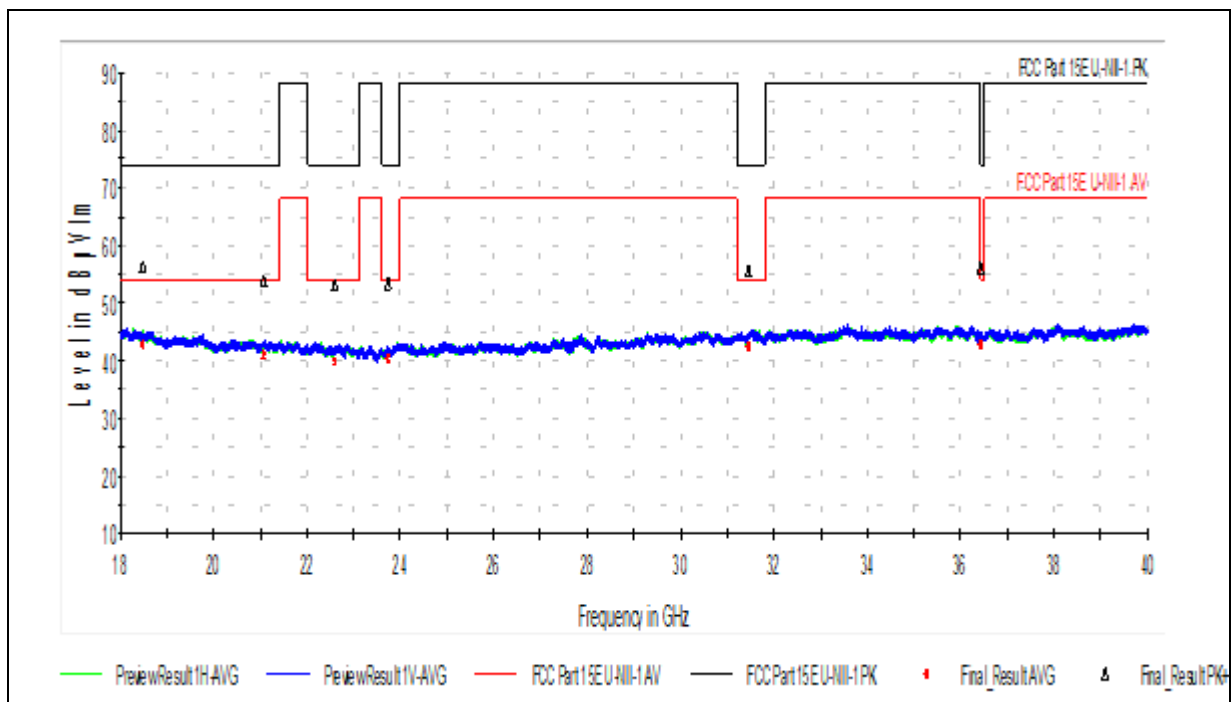
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.083333	23.42	40.00	16.58	120.000	100.2	V	64.0	22.0
99.570556	39.81	-	-	120.000	100.2	V	73.0	19.5
171.081111	31.31	43.52	12.21	120.000	156.5	H	165.0	21.2
240.436111	28.68	46.02	17.34	120.000	130.3	H	156.0	21.6
261.291111	30.95	46.02	15.07	120.000	104.5	H	284.0	22.8
299.821667	55.37	-	-	120.000	104.9	H	191.0	24.0

Note: emissions that do not fall in a restricted band are noted with a “-”.



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	38.34	73.98	35.64	1000.000	353.0	V	46.0	-0.3
3717.500000	45.85	73.98	28.13	1000.000	222.0	V	268.0	6.6
3886.000000	50.57	73.98	23.41	1000.000	279.0	V	80.0	6.9
4376.000000	45.87	73.98	28.11	1000.000	353.0	H	137.0	7.8
4529.500000	50.36	73.98	23.62	1000.000	340.0	V	72.0	8.1
15546.000000	54.53	73.98	19.45	1000.000	194.0	V	186.0	21.9

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	25.26	53.98	28.72	1000.000	353.0	V	46.0	-0.3
3717.500000	28.56	53.98	25.42	1000.000	222.0	V	268.0	6.6
3886.000000	34.85	53.98	19.13	1000.000	279.0	V	80.0	6.9
4376.000000	28.88	53.98	25.10	1000.000	353.0	H	137.0	7.8
4529.500000	33.96	53.98	20.02	1000.000	340.0	V	72.0	8.1
15546.000000	40.89	53.98	13.09	1000.000	194.0	V	186.0	21.9

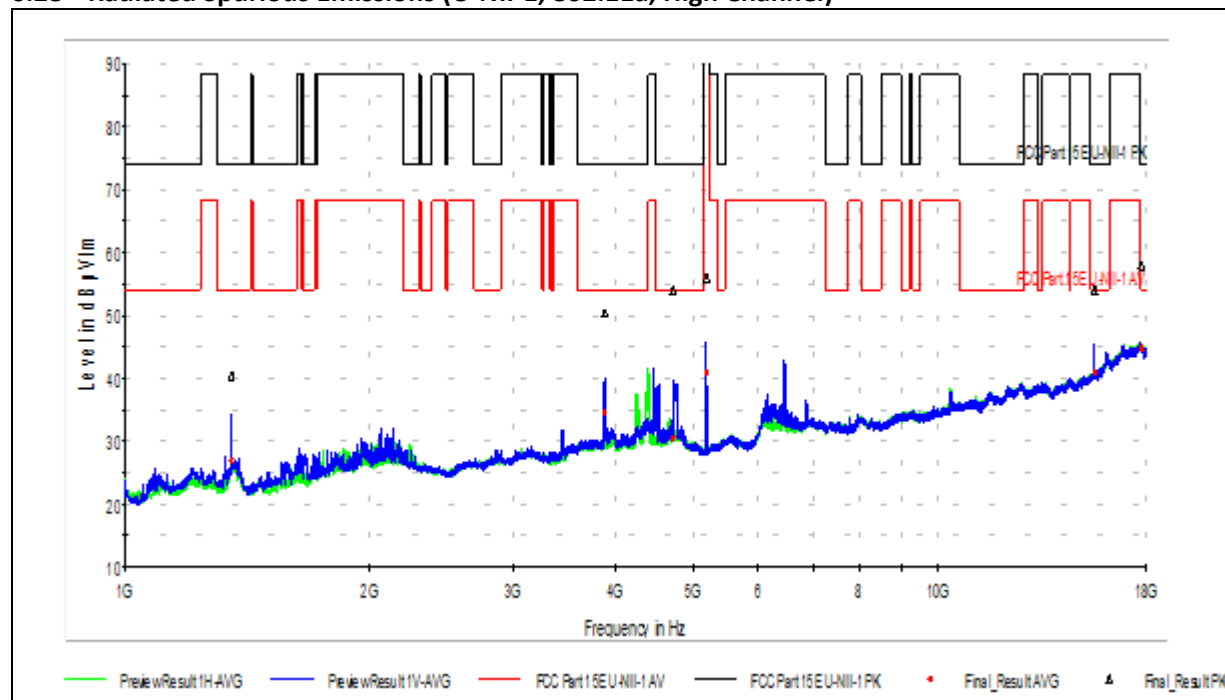


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18482.000000	56.50	73.98	17.48	1000.000	100.0	H	44.0	19.1
21070.500000	54.11	73.98	19.87	1000.000	220.0	H	112.0	10.8
22588.000000	53.25	73.98	20.73	1000.000	237.0	H	0.0	6.6
23723.500000	53.34	73.98	20.64	1000.000	410.0	H	335.0	5.9
31452.000000	55.73	73.98	18.25	1000.000	270.0	V	239.0	10.8
36425.500000	56.24	88.23	31.99	1000.000	100.0	V	0.0	11.3

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18482.000000	42.91	53.98	11.07	1000.000	100.0	H	44.0	19.1
21070.500000	40.94	53.98	13.04	1000.000	220.0	H	112.0	10.8
22588.000000	39.93	53.98	14.05	1000.000	237.0	H	0.0	6.6
23723.500000	40.38	53.98	13.60	1000.000	410.0	H	335.0	5.9
31452.000000	42.47	53.98	11.51	1000.000	270.0	V	239.0	10.8
36425.500000	42.77	68.23	25.46	1000.000	100.0	V	0.0	11.3



6.28 Radiated Spurious Emissions (U-NII-1, 802.11a, High Channel)



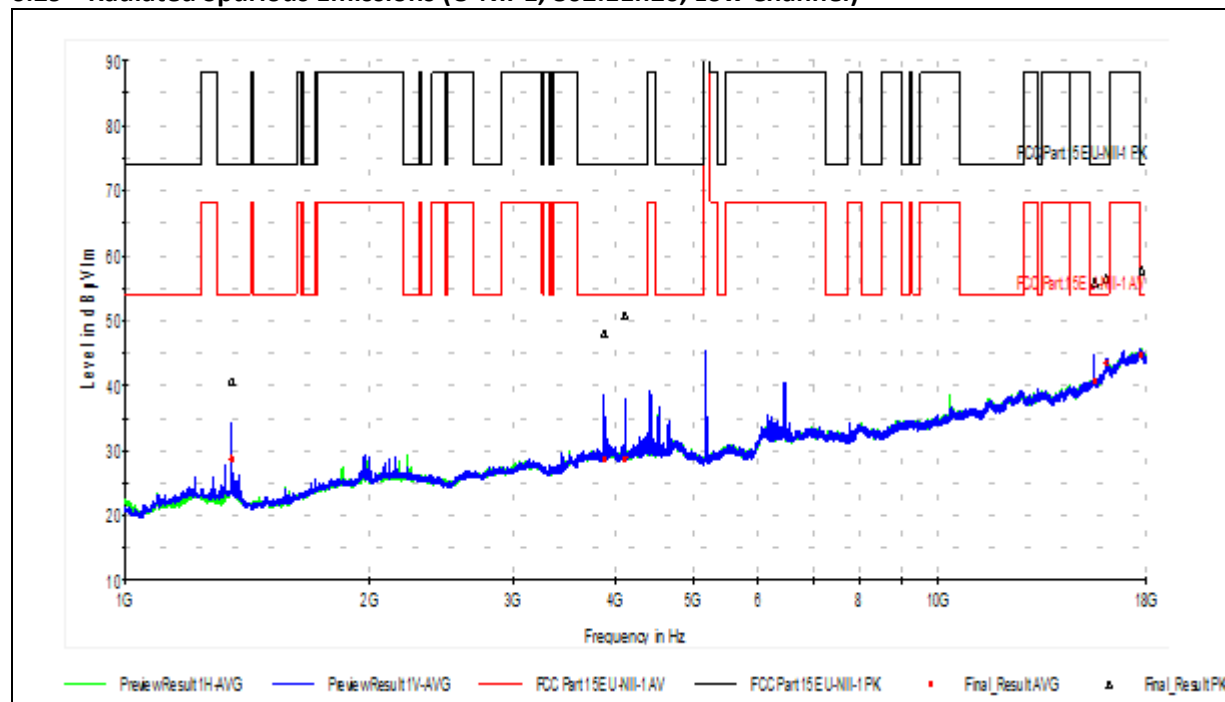
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	40.54	73.98	33.44	1000.000	293.0	V	54.0	-0.3
3891.500000	50.43	73.98	23.55	1000.000	273.0	V	79.0	6.9
4723.500000	54.12	73.98	19.86	1000.000	192.0	V	109.0	8.0
5188.000000	56.00	-	-	1000.000	186.0	V	92.0	8.6
15537.000000	54.12	73.98	19.86	1000.000	195.0	V	190.0	21.9
17759.500000	57.98	73.98	16.00	1000.000	100.0	H	317.0	26.2

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	26.95	53.98	27.03	1000.000	293.0	V	54.0	-0.3
3891.500000	34.47	53.98	19.51	1000.000	273.0	V	79.0	6.9
4723.500000	30.42	53.98	23.56	1000.000	192.0	V	109.0	8.0
5188.000000	40.86	-	-	1000.000	186.0	V	92.0	8.6
15537.000000	40.80	53.98	13.18	1000.000	195.0	V	190.0	21.9
17759.500000	44.77	53.98	9.21	1000.000	100.0	H	317.0	26.2

Note: emissions that do not fall in a restricted band are noted with a “-”.

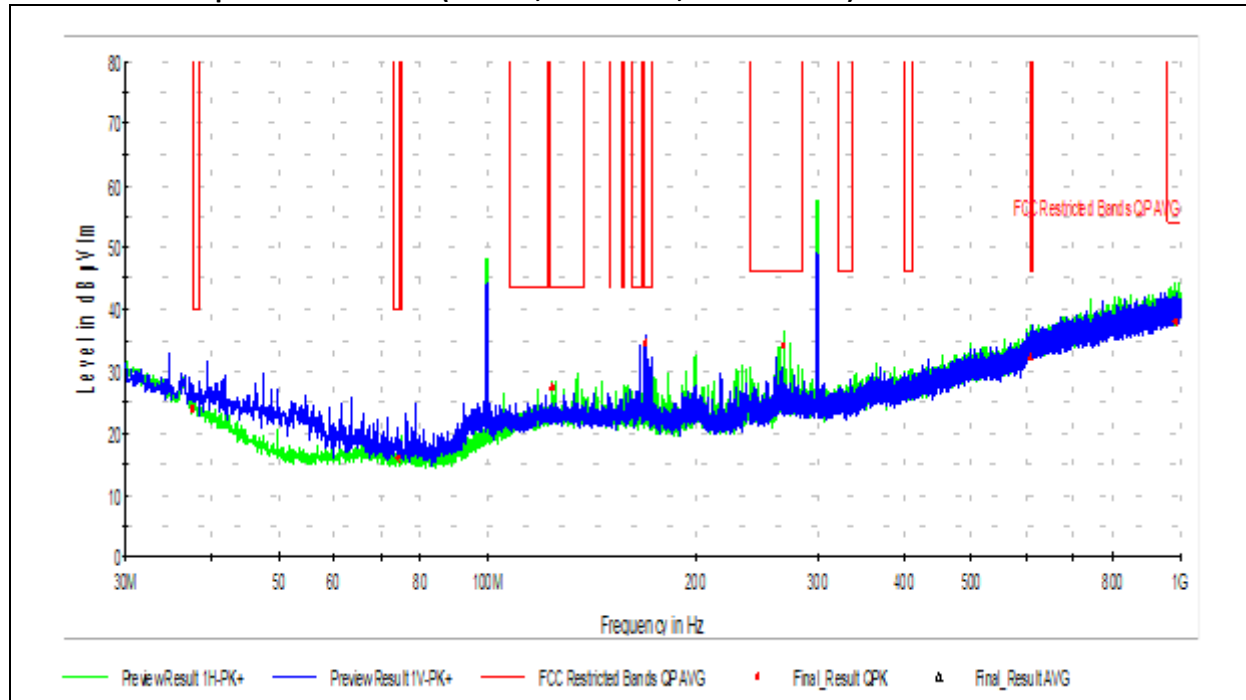


6.29 Radiated Spurious Emissions (U-NII-1, 802.11n20, Low Channel)



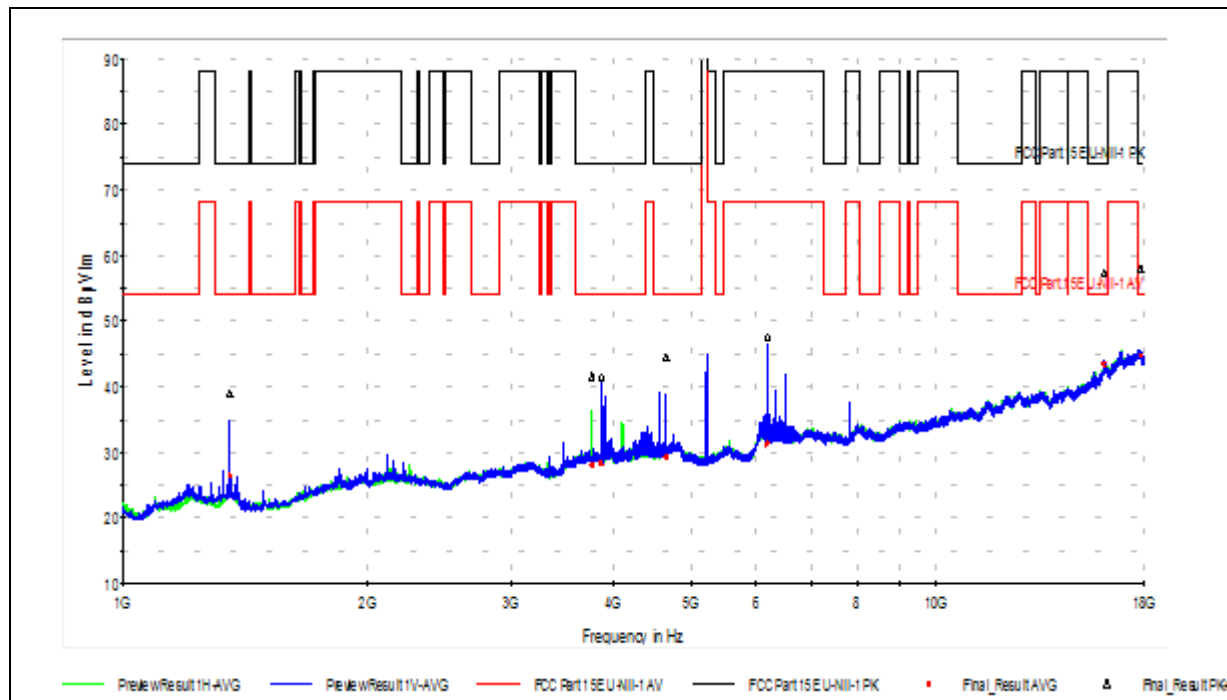
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	40.74	73.98	33.24	1000.000	368.0	V	58.0	-0.3
3882.500000	48.04	73.98	25.94	1000.000	100.0	V	266.0	6.9
4119.500000	50.77	73.98	23.21	1000.000	100.0	V	258.0	7.2
15540.500000	55.99	73.98	17.99	1000.000	410.0	V	323.0	21.9
16059.500000	56.54	73.98	17.44	1000.000	410.0	H	320.0	25.4
17742.000000	57.77	73.98	16.21	1000.000	410.0	H	0.0	26.1

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	28.69	53.98	25.29	1000.000	368.0	V	58.0	-0.3
3882.500000	28.67	53.98	25.31	1000.000	100.0	V	266.0	6.9
4119.500000	28.53	53.98	25.45	1000.000	100.0	V	258.0	7.2
15540.500000	40.59	53.98	13.39	1000.000	410.0	V	323.0	21.9
16059.500000	43.48	53.98	10.50	1000.000	410.0	H	320.0	25.4
17742.000000	44.70	53.98	9.28	1000.000	410.0	H	0.0	26.1

**6.30 Radiated Spurious Emissions (U-NII-1, 802.11n20, Mid Channel)**

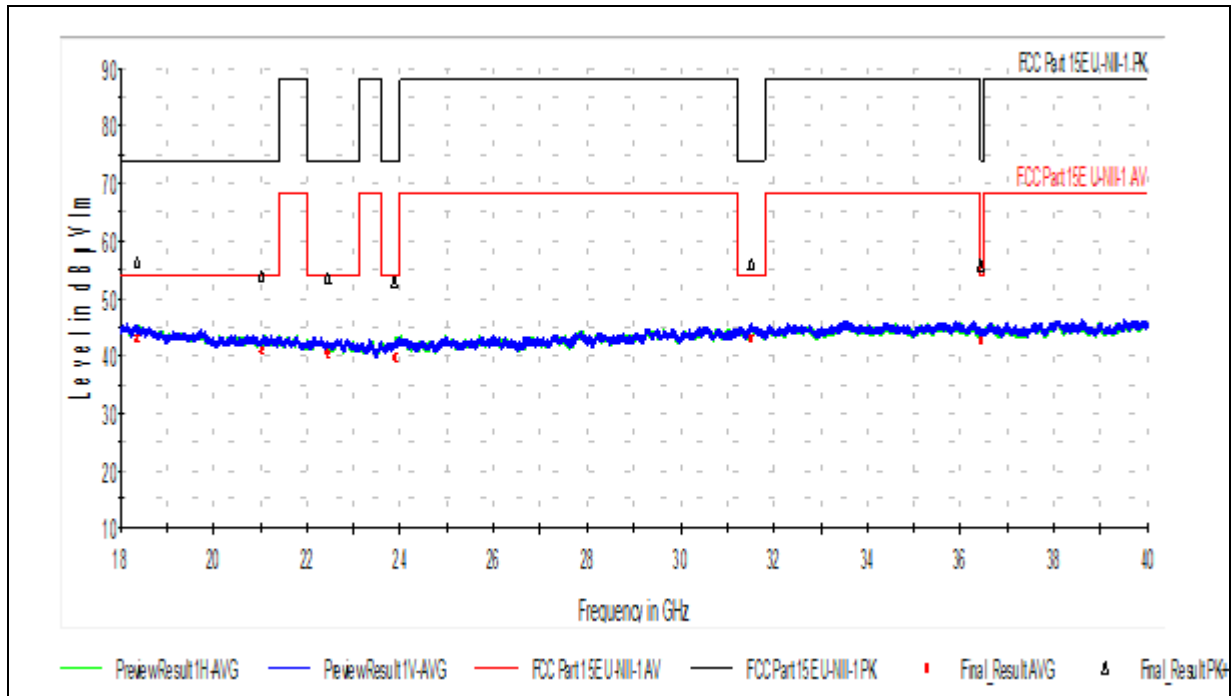
Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.436667	23.93	-	-	120.000	105.2	V	118.0	22.5
74.188889	15.90	40.00	24.10	120.000	105.3	V	190.0	14.9
123.928333	27.38	43.52	16.14	120.000	238.0	H	155.0	22.0
169.087222	34.42	43.52	9.10	120.000	100.0	V	176.0	21.6
267.542222	34.02	46.02	12.00	120.000	107.2	H	275.0	23.4
608.066111	32.32	46.02	13.70	120.000	309.5	H	330.0	32.3
986.042778	38.06	53.98	15.92	120.000	312.4	H	109.0	37.9

Note: emissions that do not fall in a restricted band are noted with a "-".



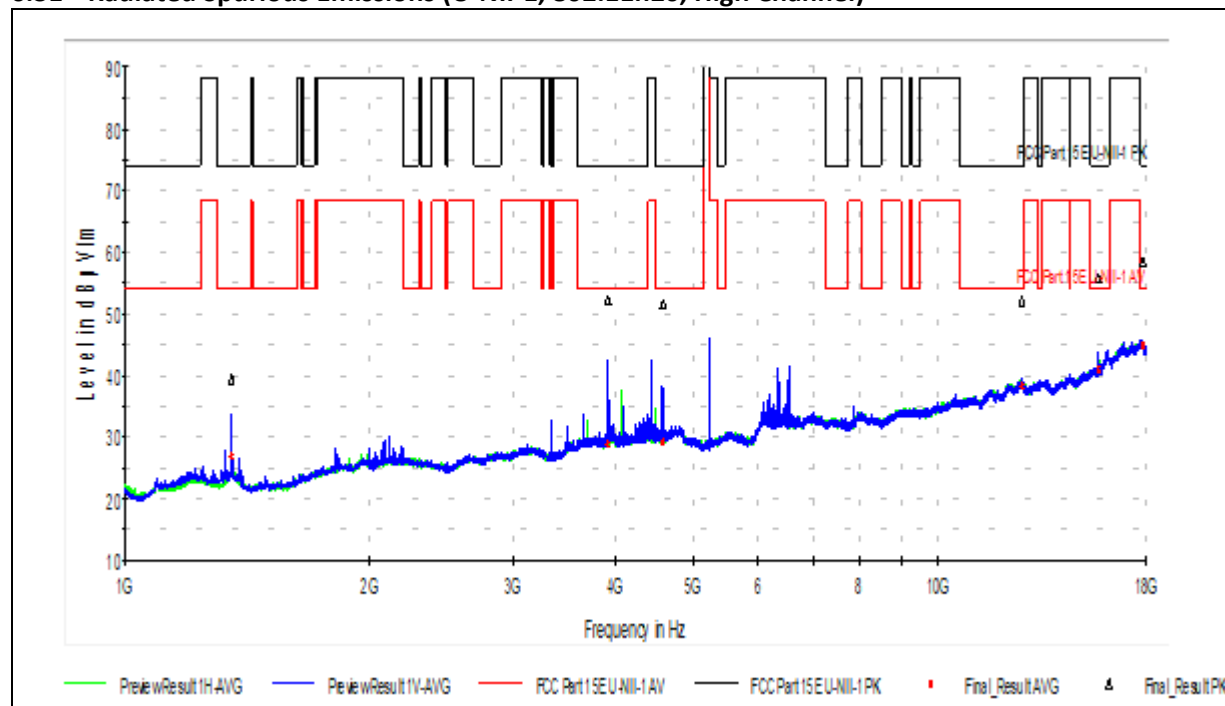
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	39.00	73.98	34.98	1000.000	134.0	V	310.0	-0.3
3773.000000	41.58	73.98	32.40	1000.000	117.0	H	0.0	6.7
3873.000000	41.71	73.98	32.27	1000.000	410.0	V	110.0	6.8
4656.500000	44.47	73.98	29.51	1000.000	100.0	V	248.0	8.2
6200.000000	47.67	88.23	40.56	1000.000	100.0	V	79.0	10.6
16058.000000	57.38	73.98	16.60	1000.000	410.0	V	159.0	25.3
17817.500000	58.08	73.98	15.90	1000.000	410.0	V	0.0	26.4

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	26.41	53.98	27.57	1000.000	134.0	V	310.0	-0.3
3773.000000	28.13	53.98	25.85	1000.000	117.0	H	0.0	6.7
3873.000000	28.29	53.98	25.69	1000.000	410.0	V	110.0	6.8
4656.500000	29.31	53.98	24.67	1000.000	100.0	V	248.0	8.2
6200.000000	31.20	68.23	37.03	1000.000	100.0	V	79.0	10.6
16058.000000	43.46	53.98	10.52	1000.000	410.0	V	159.0	25.3
17817.500000	44.85	53.98	9.13	1000.000	410.0	V	0.0	26.4



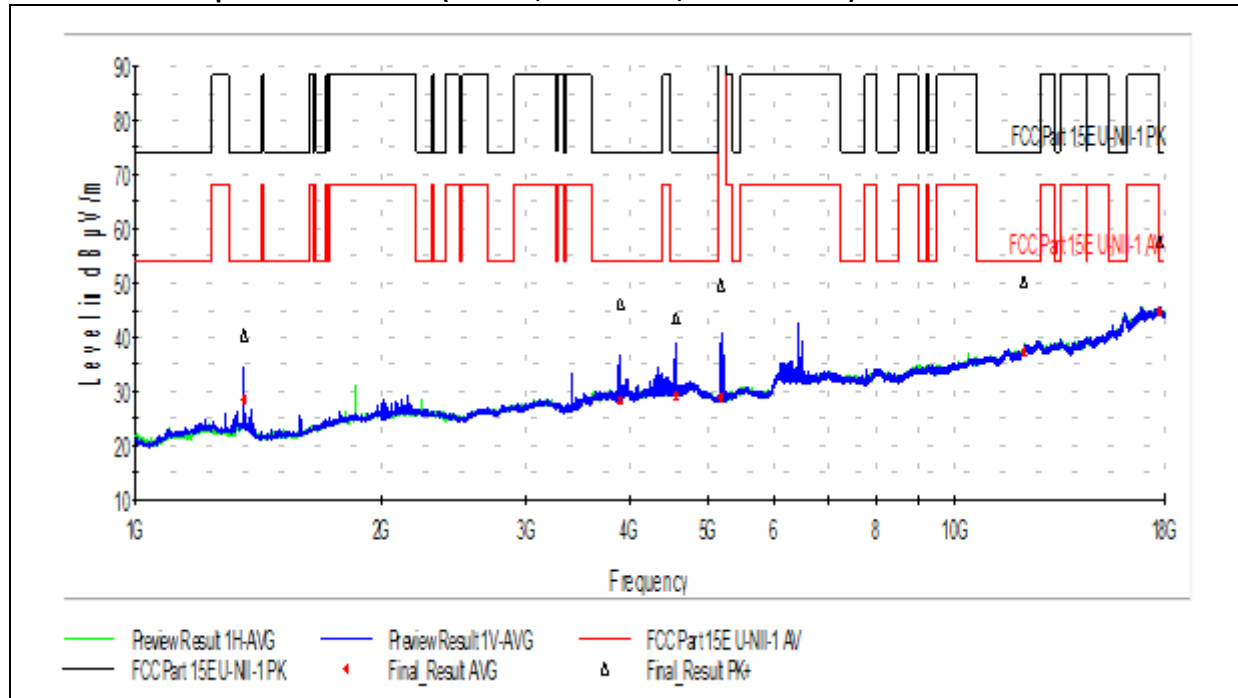
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18358.500000	56.22	73.98	17.76	1000.000	100.0	V	37.0	20.0
21012.500000	53.94	73.98	20.04	1000.000	246.0	V	279.0	10.7
22438.500000	53.74	73.98	20.24	1000.000	226.0	V	54.0	7.3
23866.000000	52.85	73.98	21.13	1000.000	201.0	H	92.0	6.0
31511.500000	56.05	73.98	17.93	1000.000	247.0	V	214.0	11.2
36427.000000	55.79	88.23	32.44	1000.000	109.0	H	265.0	11.3

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18358.500000	42.97	53.98	11.01	1000.000	100.0	V	37.0	20.0
21012.500000	40.73	53.98	13.25	1000.000	246.0	V	279.0	10.7
22438.500000	40.18	53.98	13.80	1000.000	226.0	V	54.0	7.3
23866.000000	39.83	53.98	14.15	1000.000	201.0	H	92.0	6.0
31511.500000	43.01	53.98	10.97	1000.000	247.0	V	214.0	11.2
36427.000000	42.76	68.23	25.47	1000.000	109.0	H	265.0	11.3

**6.31 Radiated Spurious Emissions (U-NII-1, 802.11n20, High Channel)**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	39.52	73.98	34.46	1000.000	178.0	V	70.0	-0.3
3925.000000	52.37	73.98	21.61	1000.000	100.0	V	263.0	7.0
4585.500000	51.61	73.98	22.37	1000.000	100.0	V	100.0	8.1
12672.000000	52.01	73.98	21.97	1000.000	410.0	V	254.0	19.1
15714.500000	55.82	73.98	18.16	1000.000	305.0	V	282.0	22.6
17808.000000	58.47	73.98	15.51	1000.000	410.0	H	313.0	26.4

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	26.89	53.98	27.09	1000.000	178.0	V	70.0	-0.3
3925.000000	28.80	53.98	25.18	1000.000	100.0	V	263.0	7.0
4585.500000	29.10	53.98	24.88	1000.000	100.0	V	100.0	8.1
12672.000000	38.29	53.98	15.69	1000.000	410.0	V	254.0	19.1
15714.500000	40.91	53.98	13.07	1000.000	305.0	V	282.0	22.6
17808.000000	45.03	53.98	8.95	1000.000	410.0	H	313.0	26.4

**6.32 Radiated Spurious Emissions (U-NII-1, 802.11n40, Low Channel)**

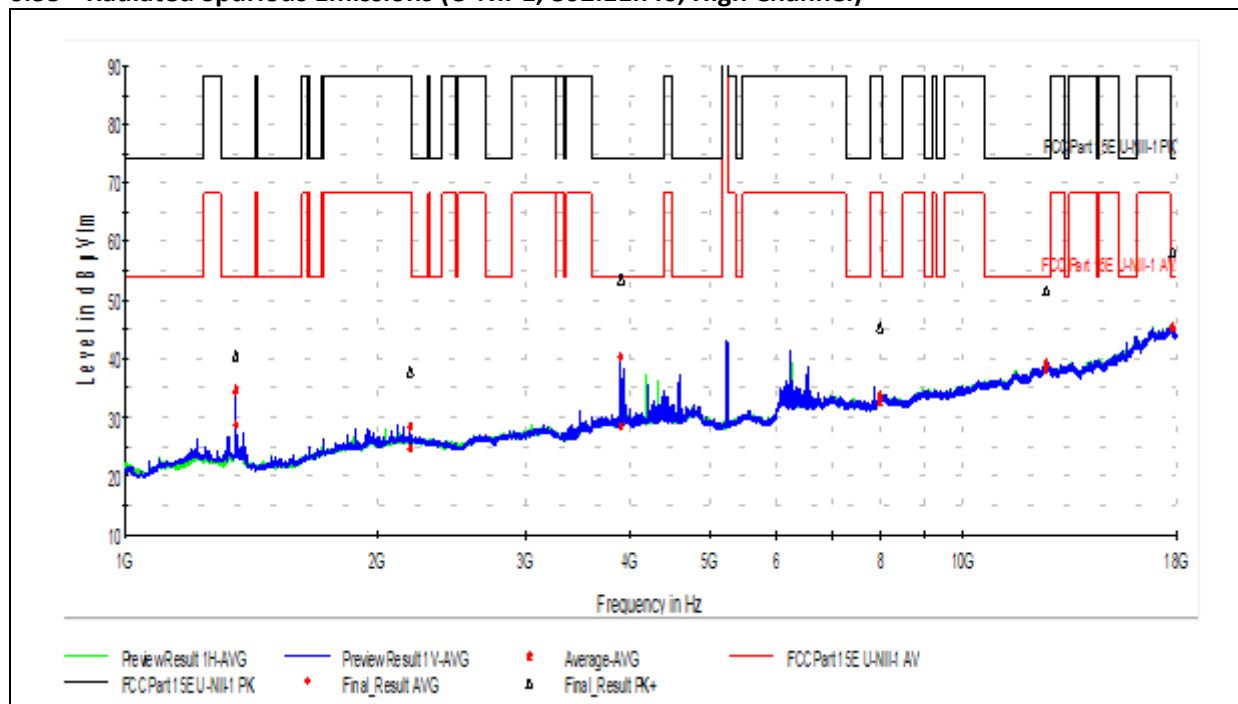
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	40.42	73.98	33.56	1000.000	195.0	V	327.0	-0.3
3895.000000	46.30	73.98	27.68	1000.000	271.0	V	65.0	6.8
4566.000000	43.42	73.98	30.56	1000.000	100.0	V	102.0	8.0
5176.000000	49.81	-	-	1000.000	116.0	V	111.0	8.6
12104.500000	50.33	73.98	23.65	1000.000	410.0	H	265.0	18.4
17727.000000	57.75	73.98	16.23	1000.000	410.0	H	0.0	26.0

Frequency (MHz)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	28.51	53.98	25.47	1000.000	195.0	V	327.0	-0.3
3895.000000	28.29	53.98	25.69	1000.000	271.0	V	65.0	6.8
4566.000000	28.87	53.98	25.11	1000.000	100.0	V	102.0	8.0
5176.000000	28.64	-	-	1000.000	116.0	V	111.0	8.6
12104.500000	37.10	53.98	16.88	1000.000	410.0	H	265.0	18.4
17727.000000	44.65	53.98	9.33	1000.000	410.0	H	0.0	26.0

Note: emissions that do not fall in a restricted band are noted with a “-”.



6.33 Radiated Spurious Emissions (U-NII-1, 802.11n40, High Channel)

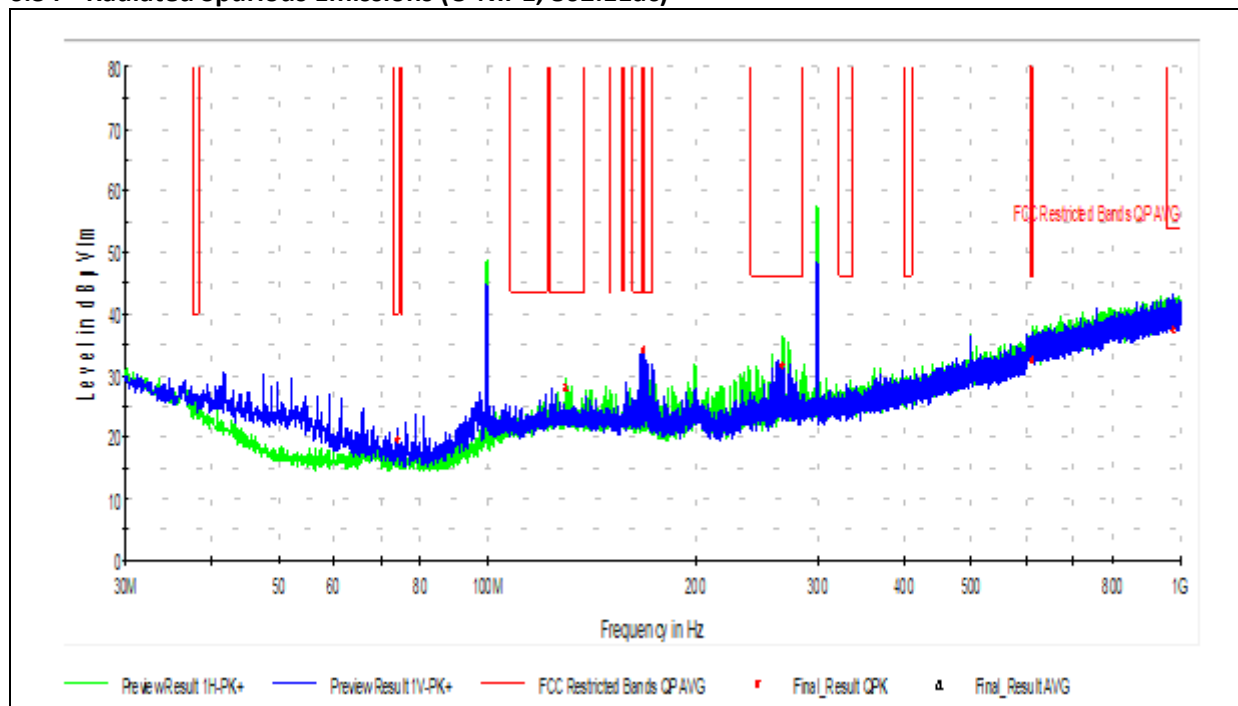


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	40.64	73.98	33.34	1000.000	364.0	V	58.0	-0.3
2186.500000	37.82	88.23	50.41	1000.000	100.0	H	302.0	2.8
3906.000000	53.55	73.98	20.43	1000.000	274.0	V	87.0	6.8
7959.000000	45.42	88.23	42.81	1000.000	100.0	H	103.0	12.4
12583.000000	51.72	73.98	22.26	1000.000	100.0	H	174.0	19.0
17812.500000	58.25	73.98	15.73	1000.000	410.0	H	272.0	26.4

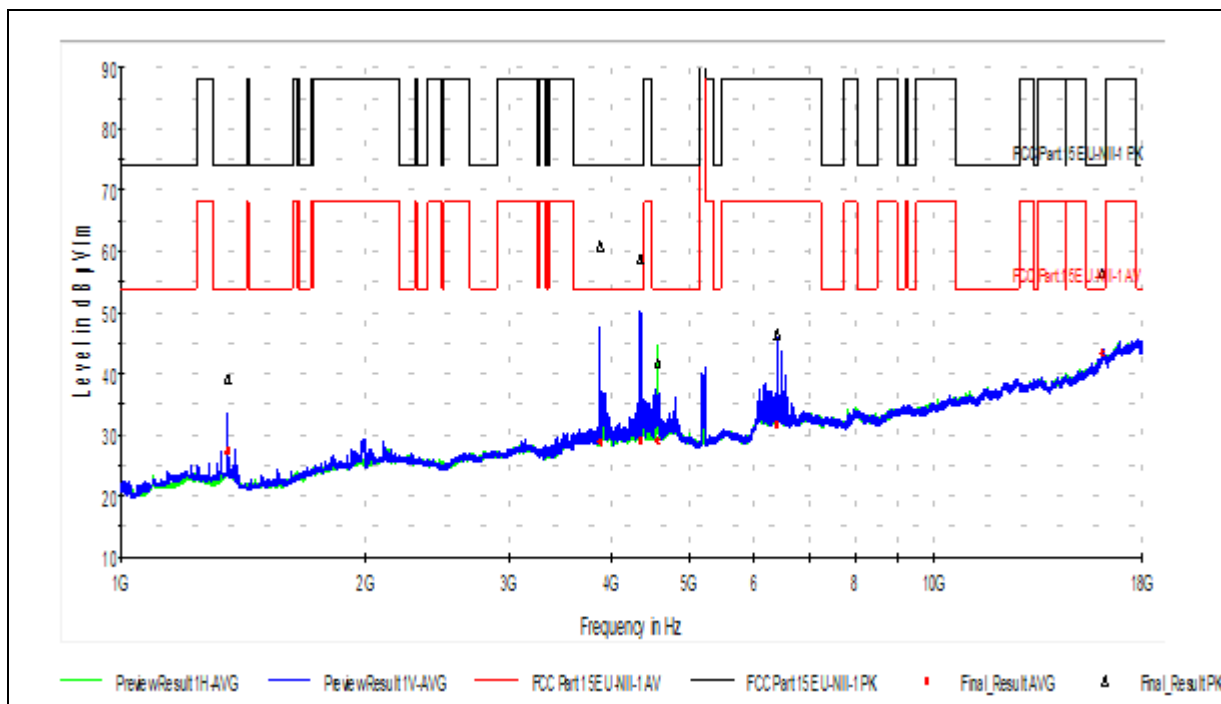
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	28.52	53.98	25.46	1000.000	364.0	V	58.0	-0.3
2186.500000	24.57	68.23	43.66	1000.000	100.0	H	302.0	2.8
3906.000000	28.42	53.98	25.56	1000.000	274.0	V	87.0	6.8
7959.000000	32.59	68.23	35.64	1000.000	100.0	H	103.0	12.4
12583.000000	38.15	53.98	15.83	1000.000	100.0	H	174.0	19.0
17812.500000	44.97	53.98	9.01	1000.000	410.0	H	272.0	26.4



6.34 Radiated Spurious Emissions (U-NII-1, 802.11ac)

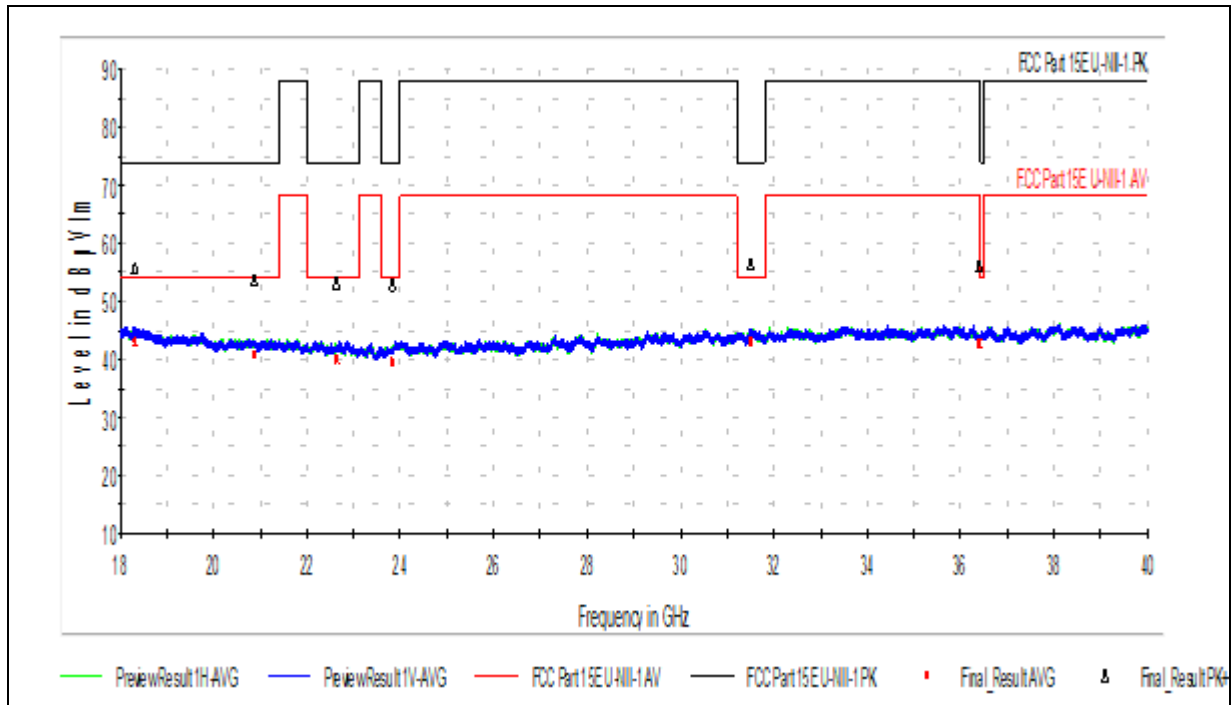


Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
74.135000	19.45	40.00	20.55	120.000	105.1	V	46.0	14.9
129.694445	28.04	43.52	15.48	120.000	216.9	H	172.0	22.0
167.901667	34.02	43.52	9.50	120.000	100.2	V	180.0	21.7
266.410556	31.28	46.02	14.74	120.000	100.0	H	262.0	23.3
611.730556	32.36	46.02	13.66	120.000	129.9	H	318.0	32.3
977.797778	37.19	53.98	16.79	120.000	380.0	V	0.0	37.0



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	39.21	73.98	34.77	1000.000	365.0	V	32.0	-0.3
3885.500000	60.93	73.98	13.05	1000.000	284.0	V	85.0	6.9
4355.500000	58.73	73.98	15.25	1000.000	282.0	V	79.0	7.7
4574.000000	41.89	73.98	32.09	1000.000	372.0	H	137.0	8.1
6402.500000	46.53	88.23	41.70	1000.000	100.0	V	98.0	10.9
16046.000000	56.40	73.98	17.58	1000.000	410.0	H	271.0	25.1

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	27.31	53.98	26.67	1000.000	365.0	V	32.0	-0.3
3885.500000	28.82	53.98	25.16	1000.000	284.0	V	85.0	6.9
4355.500000	29.00	53.98	24.98	1000.000	282.0	V	79.0	7.7
4574.000000	28.82	53.98	25.16	1000.000	372.0	H	137.0	8.1
6402.500000	31.61	68.23	36.62	1000.000	100.0	V	98.0	10.9
16046.000000	43.23	53.98	10.75	1000.000	410.0	H	271.0	25.1

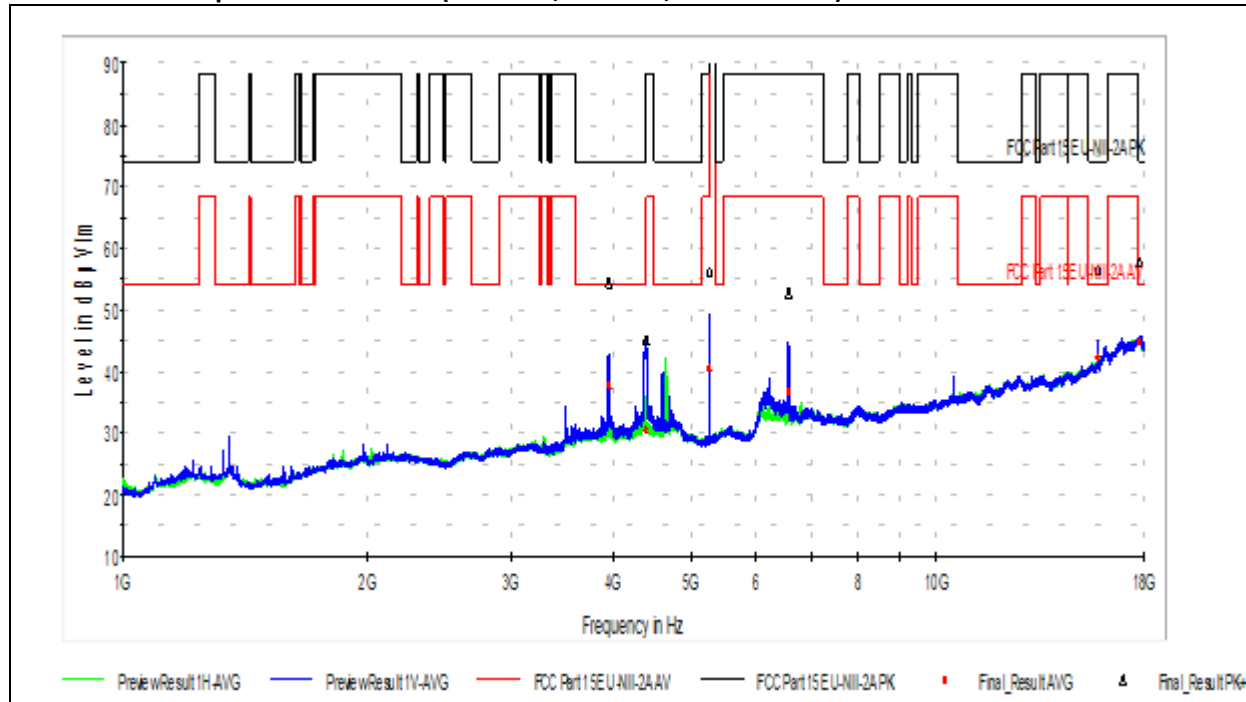


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18309.500000	55.98	73.98	18.00	1000.000	100.0	V	296.0	20.0
20858.500000	53.87	73.98	20.11	1000.000	109.0	H	78.0	11.4
22627.000000	53.18	73.98	20.80	1000.000	410.0	H	339.0	6.6
23816.500000	52.97	73.98	21.01	1000.000	410.0	H	324.0	6.3
31502.000000	56.48	73.98	17.50	1000.000	100.0	V	180.0	11.3
36396.000000	56.22	88.23	32.01	1000.000	109.0	H	46.0	11.4

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18309.500000	42.93	53.98	11.05	1000.000	100.0	V	296.0	20.0
20858.500000	40.79	53.98	13.19	1000.000	109.0	H	78.0	11.4
22627.000000	40.04	53.98	13.94	1000.000	410.0	H	339.0	6.6
23816.500000	39.54	53.98	14.44	1000.000	410.0	H	324.0	6.3
31502.000000	43.01	53.98	10.97	1000.000	100.0	V	180.0	11.3
36396.000000	42.73	68.23	25.50	1000.000	109.0	H	46.0	11.4



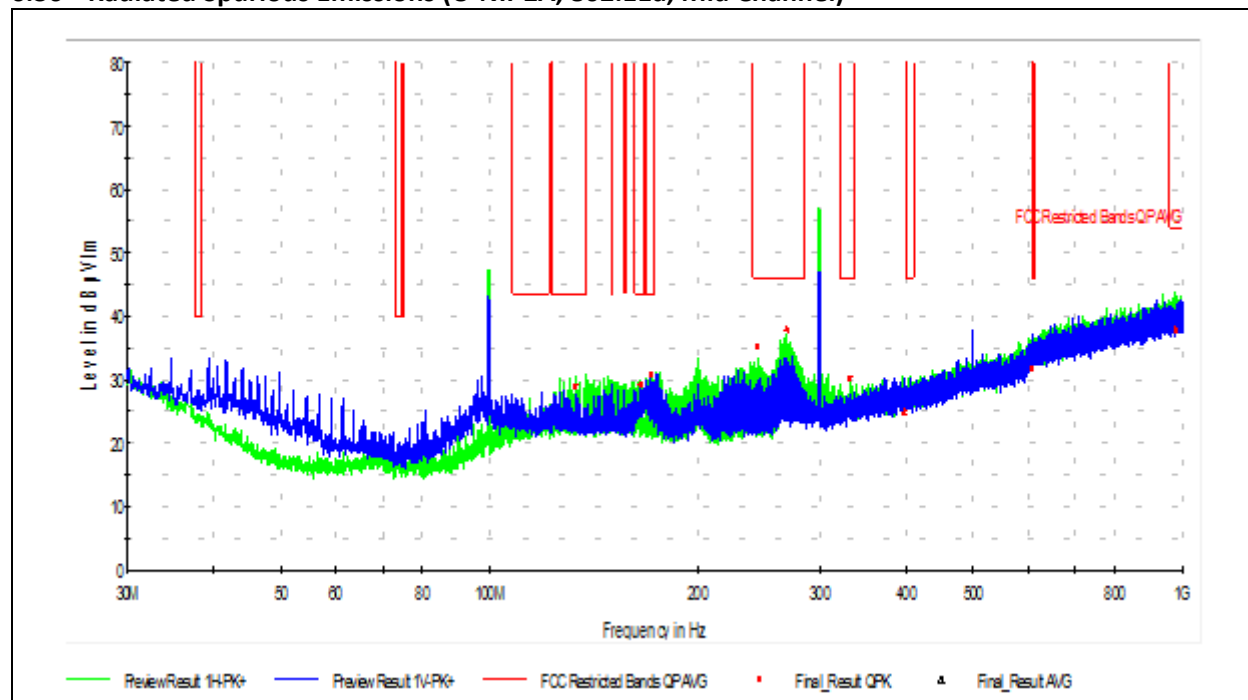
6.35 Radiated Spurious Emissions (U-NII-2A, 802.11a, Low Channel)



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3951.500000	54.40	73.98	19.58	1000.000	296.0	V	78.0	7.0
4396.500000	45.09	73.98	28.89	1000.000	109.0	V	86.0	7.9
5253.000000	56.30	-	-	1000.000	191.0	V	86.0	8.9
6573.500000	52.75	88.23	35.48	1000.000	100.0	V	92.0	10.8
15782.000000	56.52	73.98	17.46	1000.000	258.0	V	295.0	22.7
17731.000000	57.85	73.98	16.13	1000.000	399.0	H	0.0	26.1

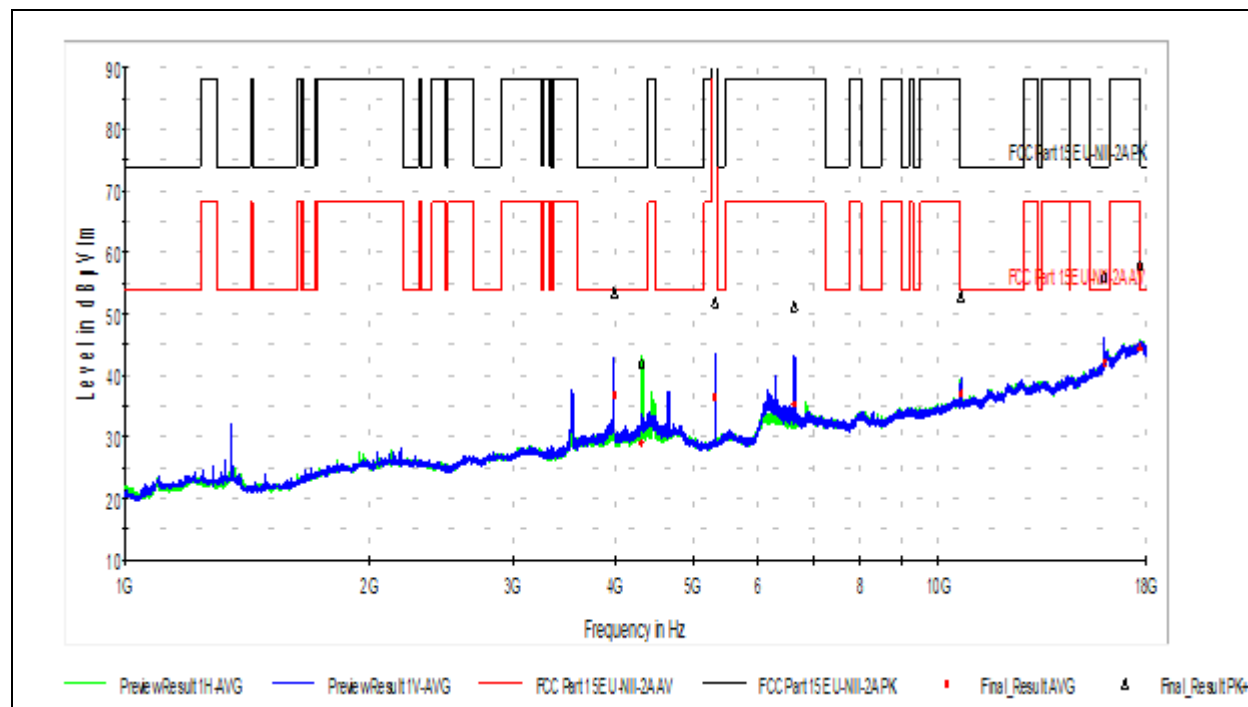
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3951.500000	37.69	53.98	16.29	1000.000	296.0	V	78.0	7.0
4396.500000	30.45	53.98	23.53	1000.000	109.0	V	86.0	7.9
5253.000000	40.59	-	-	1000.000	191.0	V	86.0	8.9
6573.500000	36.64	68.23	31.59	1000.000	100.0	V	92.0	10.8
15782.000000	41.96	53.98	12.02	1000.000	258.0	V	295.0	22.7
17731.000000	44.69	53.98	9.29	1000.000	399.0	H	0.0	26.1

Note: emissions that do not fall in a restricted band are noted with a “-”.

**6.36 Radiated Spurious Emissions (U-NII-2A, 802.11a, Mid Channel)**

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
132.981667	28.83	43.52	14.69	120.000	213.4	H	153.0	22.0
165.368889	29.30	43.52	14.22	120.000	153.8	H	145.0	21.6
171.135000	30.77	43.52	12.75	120.000	165.5	H	146.0	21.2
244.046667	35.31	46.02	10.71	120.000	117.8	H	128.0	21.7
268.296667	37.94	46.02	8.08	120.000	105.2	H	119.0	23.4
331.238889	30.22	46.02	15.80	120.000	99.9	H	192.0	25.0
398.007222	24.88	-	-	120.000	106.6	V	246.0	26.7
606.395556	31.69	-	-	120.000	224.8	V	256.0	31.5
977.043333	37.80	53.98	16.18	120.000	329.7	H	196.0	37.6

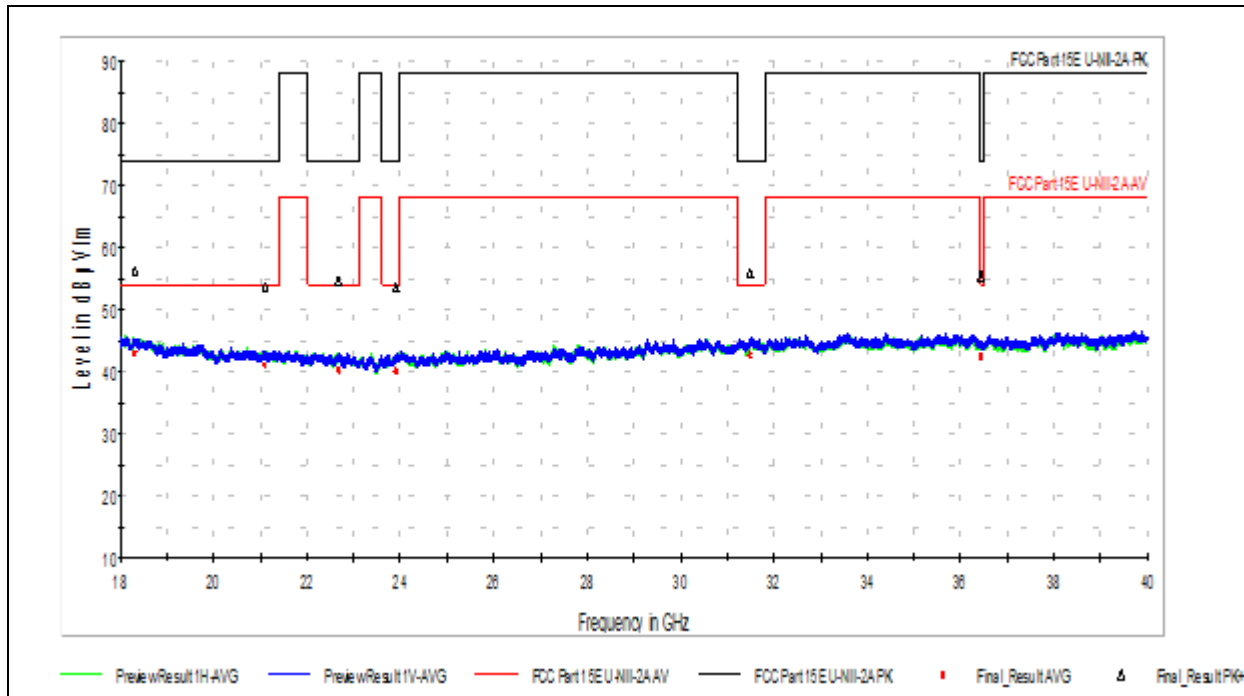
Note: emissions that do not fall in a restricted band are noted with a “-”.



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3996.500000	53.48	73.98	20.50	1000.000	202.0	V	265.0	7.2
4318.500000	42.03	73.98	31.95	1000.000	279.0	H	0.0	7.7
5312.500000	52.06	-	-	1000.000	193.0	V	84.0	9.0
6642.000000	51.27	88.23	36.96	1000.000	183.0	V	102.0	11.0
10639.500000	52.77	73.98	21.21	1000.000	354.0	H	315.0	16.6
15958.000000	56.30	73.98	17.68	1000.000	217.0	V	12.0	23.6
17672.500000	58.06	88.23	30.17	1000.000	410.0	H	246.0	25.9

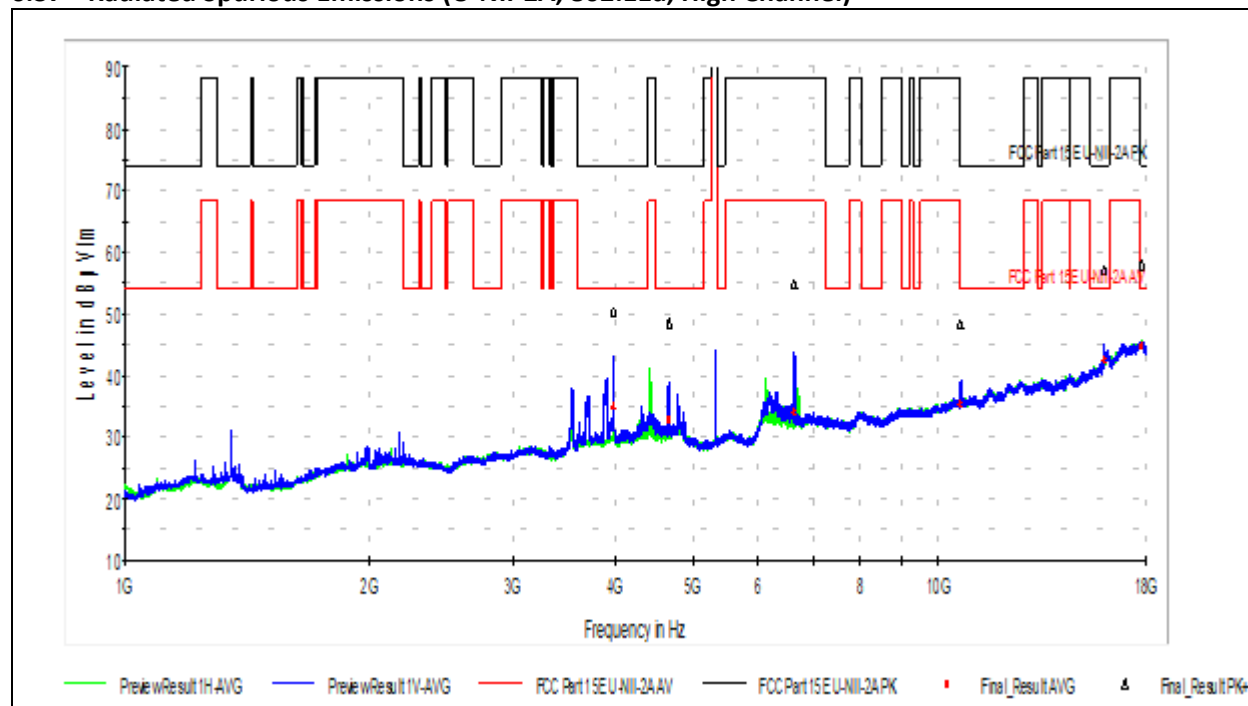
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3996.500000	36.77	53.98	17.21	1000.000	202.0	V	265.0	7.2
4318.500000	28.77	53.98	25.21	1000.000	279.0	H	0.0	7.7
5312.500000	36.67	-	-	1000.000	193.0	V	84.0	9.0
6642.000000	35.33	68.23	32.90	1000.000	183.0	V	102.0	11.0
10639.500000	37.11	53.98	16.87	1000.000	354.0	H	315.0	16.6
15958.000000	42.10	53.98	11.88	1000.000	217.0	V	12.0	23.6
17672.500000	44.68	68.23	23.55	1000.000	410.0	H	246.0	25.9

Note: emissions that do not fall in a restricted band are noted with a "-".



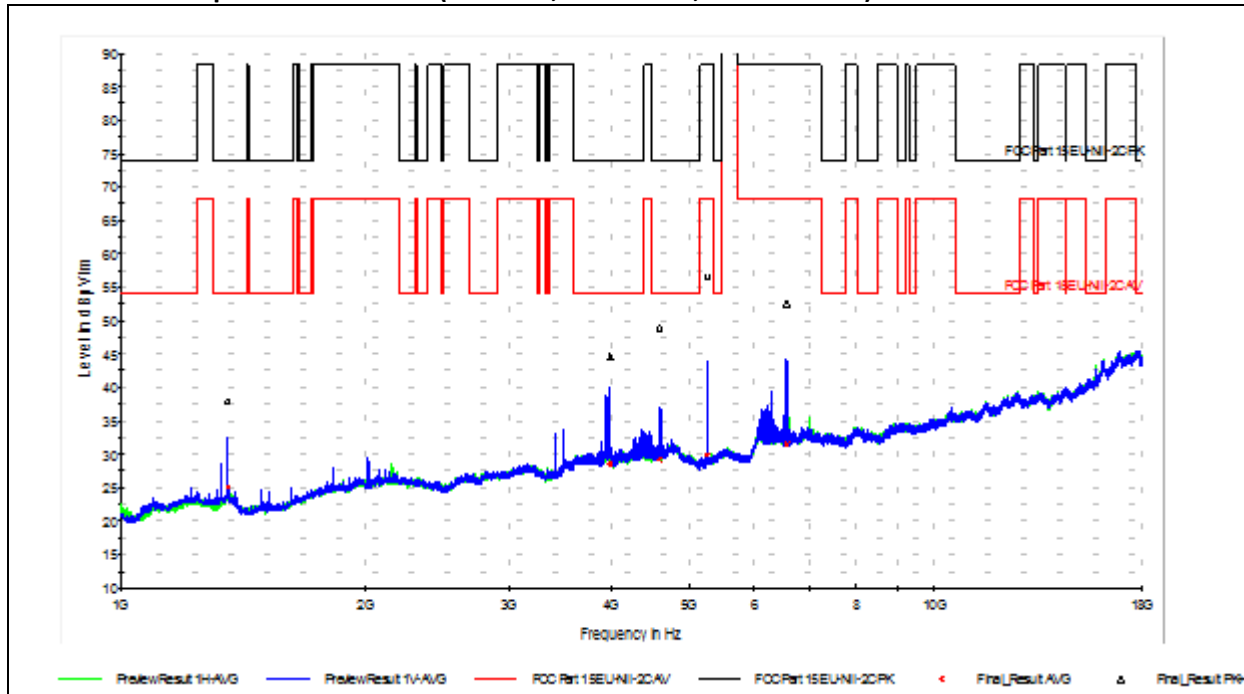
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18302.500000	56.31	73.98	17.67	1000.000	100.0	H	69.0	19.9
21095.500000	53.88	73.98	20.10	1000.000	211.0	V	238.0	10.9
22673.000000	54.65	73.98	19.33	1000.000	100.0	H	236.0	6.7
23896.000000	53.58	73.98	20.40	1000.000	238.0	H	22.0	5.9
31477.000000	55.98	73.98	18.00	1000.000	228.0	V	177.0	11.1
36418.500000	55.47	88.23	32.76	1000.000	194.0	V	161.0	11.3

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18302.500000	42.78	53.98	11.20	1000.000	100.0	H	69.0	19.9
21095.500000	40.93	53.98	13.05	1000.000	211.0	V	238.0	10.9
22673.000000	40.29	53.98	13.69	1000.000	100.0	H	236.0	6.7
23896.000000	40.09	53.98	13.89	1000.000	238.0	H	22.0	5.9
31477.000000	42.66	53.98	11.32	1000.000	228.0	V	177.0	11.1
36418.500000	42.47	68.23	25.76	1000.000	194.0	V	161.0	11.3

**6.37 Radiated Spurious Emissions (U-NII-2A, 802.11a, High Channel)**

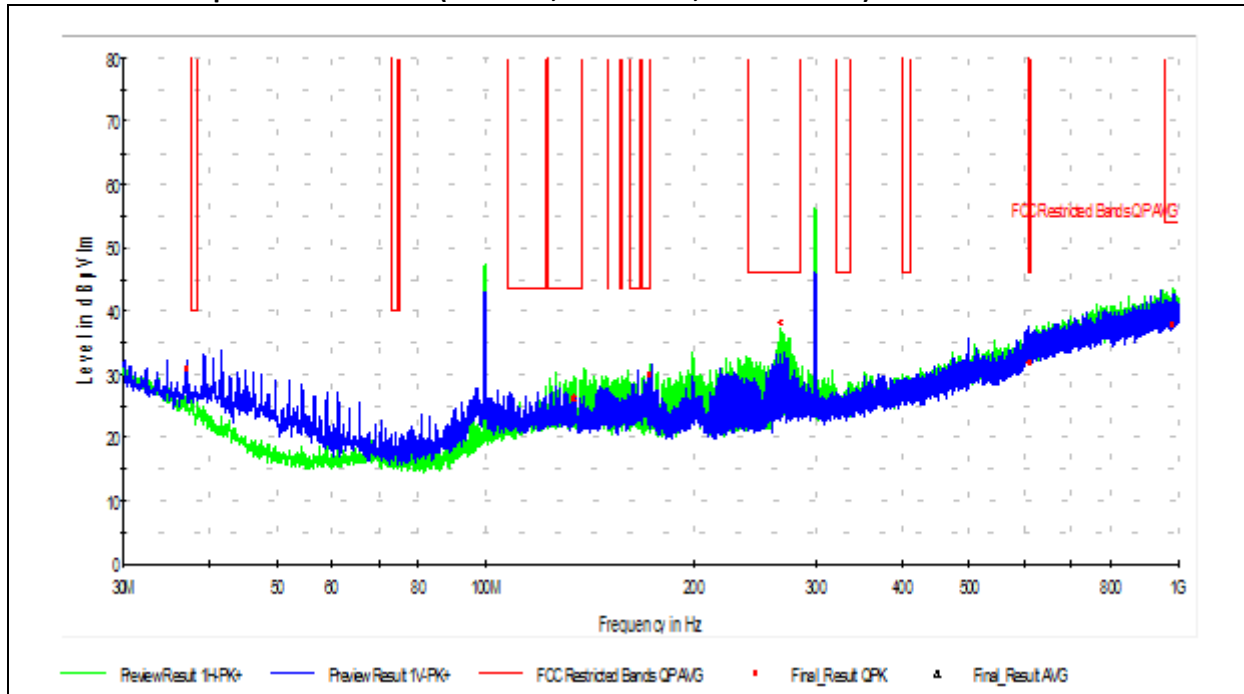
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3985.500000	50.41	73.98	23.57	1000.000	410.0	V	87.0	7.2
4663.000000	48.46	73.98	25.52	1000.000	259.0	V	69.0	8.2
6643.500000	54.86	88.23	33.37	1000.000	210.0	V	86.0	11.0
10637.500000	48.38	73.98	25.60	1000.000	320.0	V	256.0	16.5
15961.500000	57.09	73.98	16.89	1000.000	410.0	H	281.0	23.7
17738.000000	57.95	73.98	16.03	1000.000	100.0	H	161.0	26.1

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3985.500000	34.96	53.98	19.02	1000.000	410.0	V	87.0	7.2
4663.000000	32.78	53.98	21.20	1000.000	259.0	V	69.0	8.2
6643.500000	33.97	68.23	34.26	1000.000	210.0	V	86.0	11.0
10637.500000	35.18	53.98	18.80	1000.000	320.0	V	256.0	16.5
15961.500000	42.32	53.98	11.66	1000.000	410.0	H	281.0	23.7
17738.000000	44.69	53.98	9.29	1000.000	100.0	H	161.0	26.1

**6.38 Radiated Spurious Emissions (U-NII-2A, 802.11n20, Low Channel)**

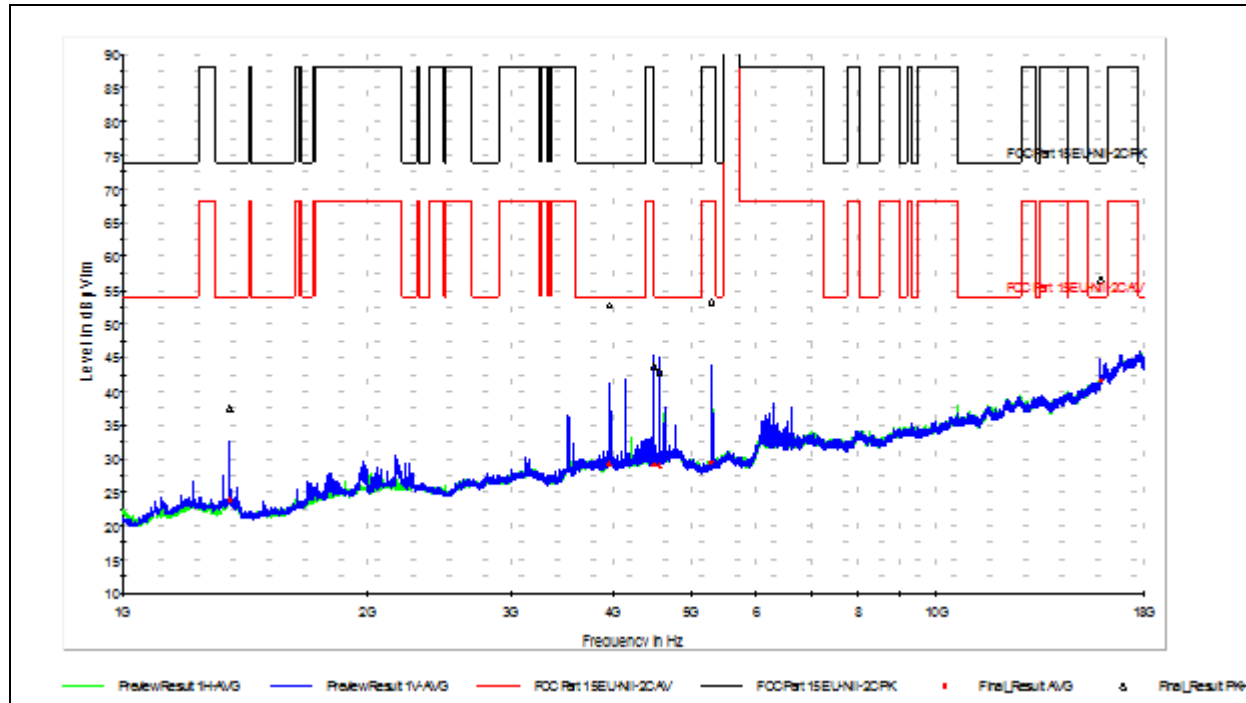
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	37.88	73.98	36.10	1000.000	187.0	V	78.0	-0.3
3994.000000	44.64	73.98	29.34	1000.000	100.0	V	57.0	7.2
4598.000000	48.99	73.98	24.99	1000.000	267.0	V	92.0	8.1
5258.500000	56.69	88.23	31.54	1000.000	196.0	V	92.0	8.9
6583.000000	52.58	88.23	35.65	1000.000	100.0	V	85.0	10.9

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	24.99	53.98	28.99	1000.000	187.0	V	78.0	-0.3
3994.000000	28.57	53.98	25.41	1000.000	100.0	V	57.0	7.2
4598.000000	29.22	53.98	24.76	1000.000	267.0	V	92.0	8.1
5258.500000	29.77	68.23	38.46	1000.000	196.0	V	92.0	8.9
6583.000000	31.46	68.23	36.77	1000.000	100.0	V	85.0	10.9

**6.39 Radiated Spurious Emissions (U-NII-2A, 802.11n20, Mid Channel)**

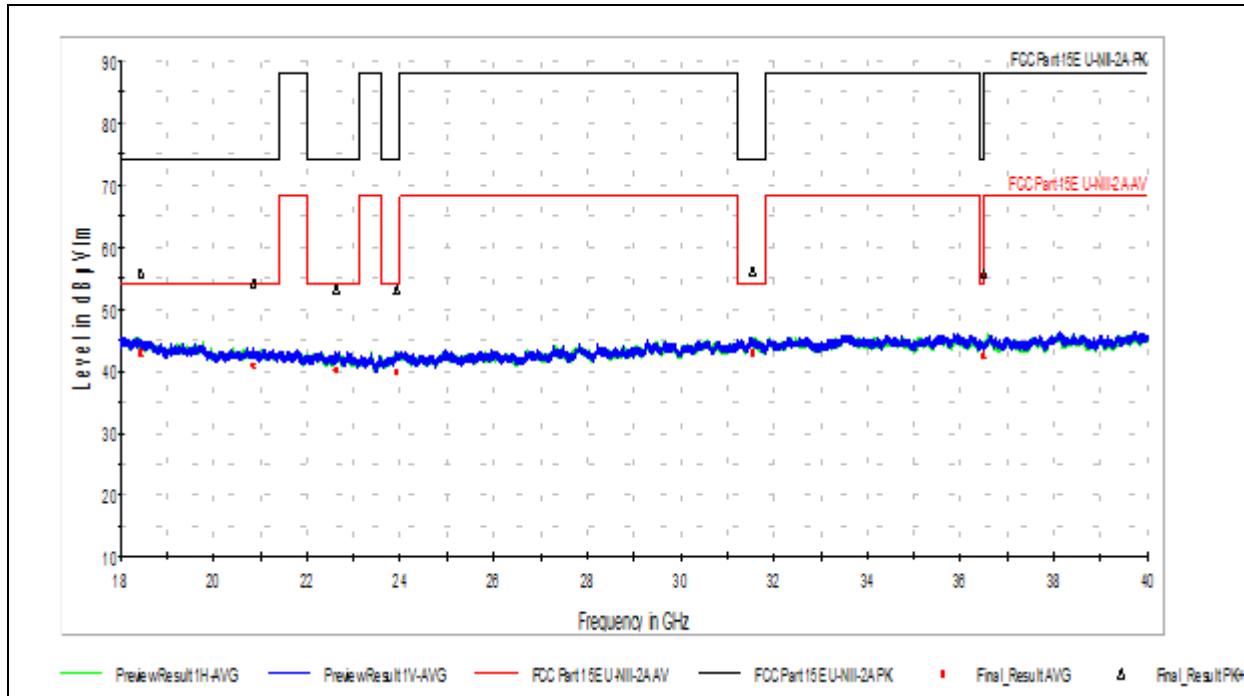
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.005556	30.90	-	-	120.000	100.1	V	141.0	22.7
134.113333	26.25	43.52	17.27	120.000	201.7	H	-3.0	22.0
172.266667	29.89	43.52	13.63	120.000	176.3	H	140.0	21.0
267.111111	38.21	46.02	7.81	120.000	105.4	H	118.0	23.4
610.275556	31.81	46.02	14.21	120.000	104.9	V	116.0	31.7
979.522222	37.96	53.98	16.02	120.000	236.9	H	294.0	37.7

Note: emissions that do not fall in a restricted band are noted with a "-".



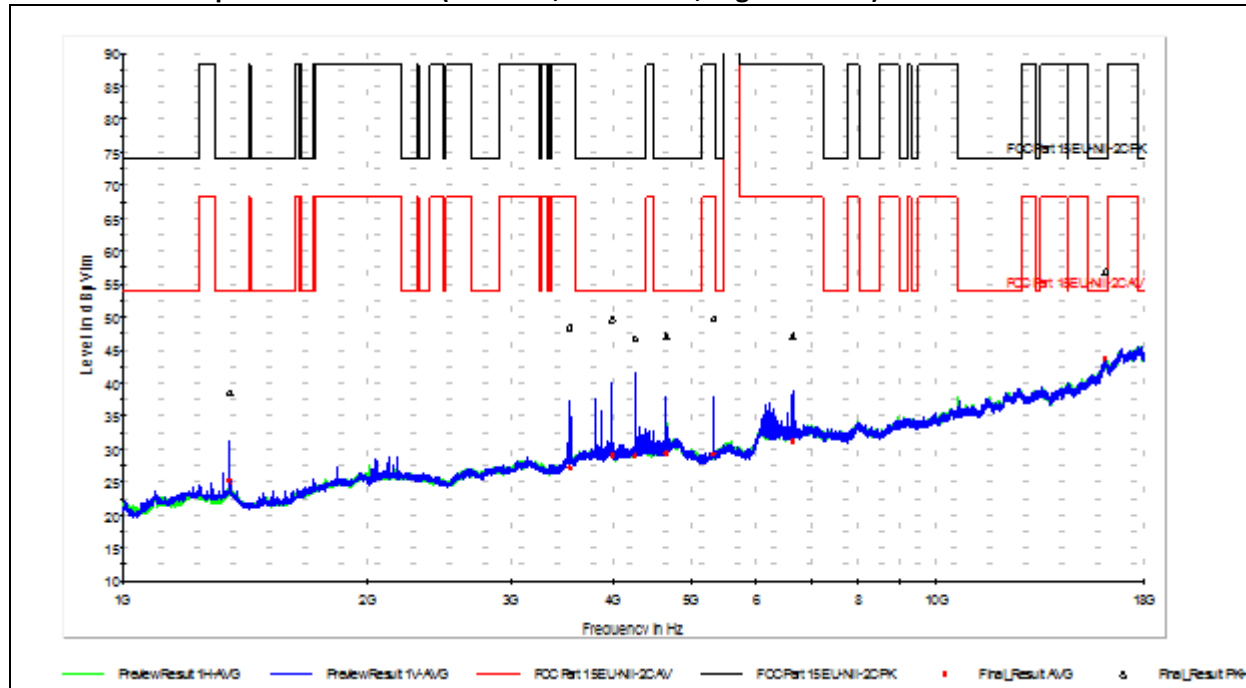
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	37.43	73.98	36.55	1000.000	367.0	V	304.0	-0.3
3967.000000	52.91	73.98	21.07	1000.000	208.0	V	82.0	7.1
4492.500000	43.80	88.23	44.43	1000.000	100.0	V	262.0	8.0
4566.000000	43.02	73.98	30.96	1000.000	100.0	V	263.0	8.0
5295.500000	53.42	88.23	34.81	1000.000	196.0	V	78.0	8.9
15908.000000	56.68	73.98	17.30	1000.000	410.0	V	312.0	23.4

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	23.82	53.98	30.16	1000.000	367.0	V	304.0	-0.3
3967.000000	29.19	53.98	24.79	1000.000	208.0	V	82.0	7.1
4492.500000	29.03	68.23	39.20	1000.000	100.0	V	262.0	8.0
4566.000000	28.85	53.98	25.13	1000.000	100.0	V	263.0	8.0
5295.500000	29.28	68.23	38.95	1000.000	196.0	V	78.0	8.9
15908.000000	41.57	53.98	12.41	1000.000	410.0	V	312.0	23.4



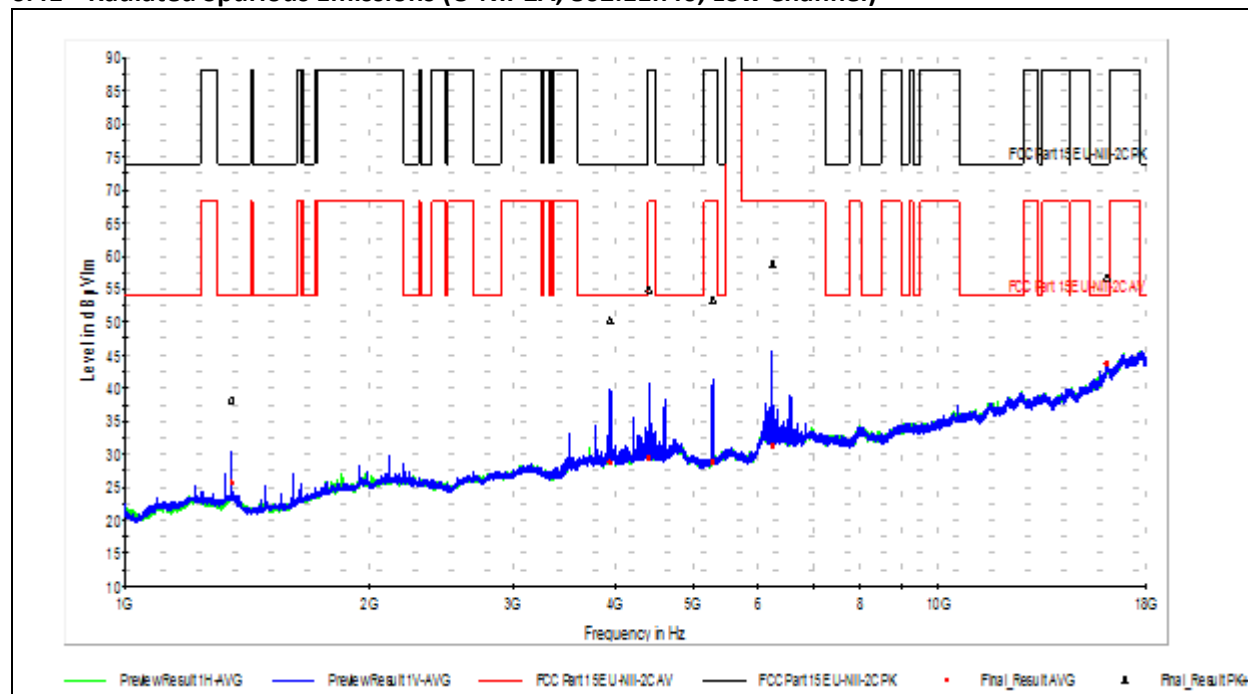
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18436.500000	55.90	73.98	18.08	1000.000	100.0	H	58.0	19.5
20856.000000	54.24	73.98	19.74	1000.000	100.0	V	303.0	11.4
22621.500000	53.18	73.98	20.80	1000.000	247.0	V	100.0	6.7
23920.000000	53.11	73.98	20.87	1000.000	100.0	H	0.0	6.0
31537.000000	56.01	73.98	17.97	1000.000	178.0	H	222.0	11.1
36493.000000	55.68	73.98	18.30	1000.000	100.0	H	54.0	11.1

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18436.500000	42.98	53.98	11.00	1000.000	100.0	H	58.0	19.5
20856.000000	40.74	53.98	13.24	1000.000	100.0	V	303.0	11.4
22621.500000	40.24	53.98	13.74	1000.000	247.0	V	100.0	6.7
23920.000000	39.78	53.98	14.20	1000.000	100.0	H	0.0	6.0
31537.000000	42.95	53.98	11.03	1000.000	178.0	H	222.0	11.1
36493.000000	42.49	53.98	11.49	1000.000	100.0	H	54.0	11.1

**6.40 Radiated Spurious Emissions (U-NII-2A, 802.11n20, High Channel)**

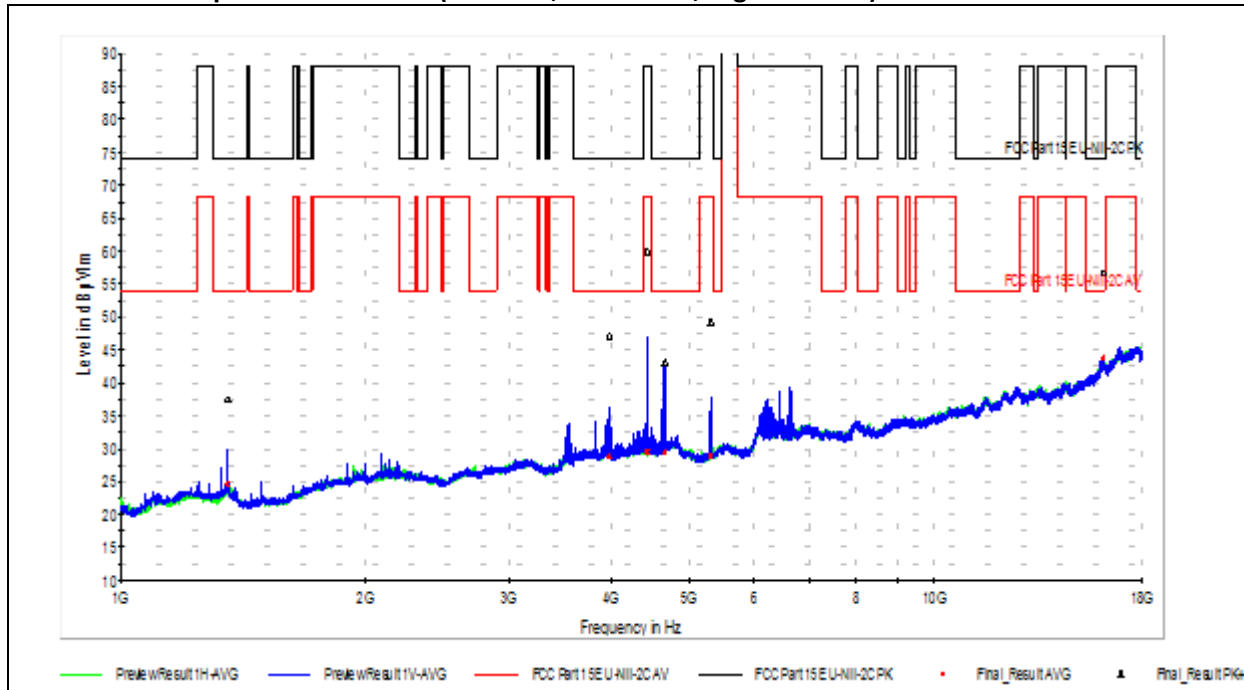
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	38.58	73.98	35.40	1000.000	184.0	V	319.0	-0.3
3543.000000	48.54	88.23	39.69	1000.000	215.0	V	78.0	5.8
3992.500000	49.77	73.98	24.21	1000.000	100.0	V	259.0	7.2
4265.500000	46.81	73.98	27.17	1000.000	410.0	V	102.0	7.5
4656.000000	47.18	73.98	26.80	1000.000	120.0	V	266.0	8.2
5321.500000	49.92	88.23	38.31	1000.000	215.0	V	73.0	9.0
6651.500000	47.08	88.23	41.15	1000.000	303.0	V	258.0	11.1
16121.000000	57.00	73.98	16.98	1000.000	410.0	H	237.0	25.7

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	25.14	53.98	28.84	1000.000	184.0	V	319.0	-0.3
3543.000000	27.15	68.23	41.08	1000.000	215.0	V	78.0	5.8
3992.500000	29.06	53.98	24.92	1000.000	100.0	V	259.0	7.2
4265.500000	28.93	53.98	25.05	1000.000	410.0	V	102.0	7.5
4656.000000	29.47	53.98	24.51	1000.000	120.0	V	266.0	8.2
5321.500000	29.14	68.23	39.09	1000.000	215.0	V	73.0	9.0
6651.500000	31.11	68.23	37.12	1000.000	303.0	V	258.0	11.1
16121.000000	43.73	53.98	10.25	1000.000	410.0	H	237.0	25.7

**6.41 Radiated Spurious Emissions (U-NII-2A, 802.11n40, Low Channel)**

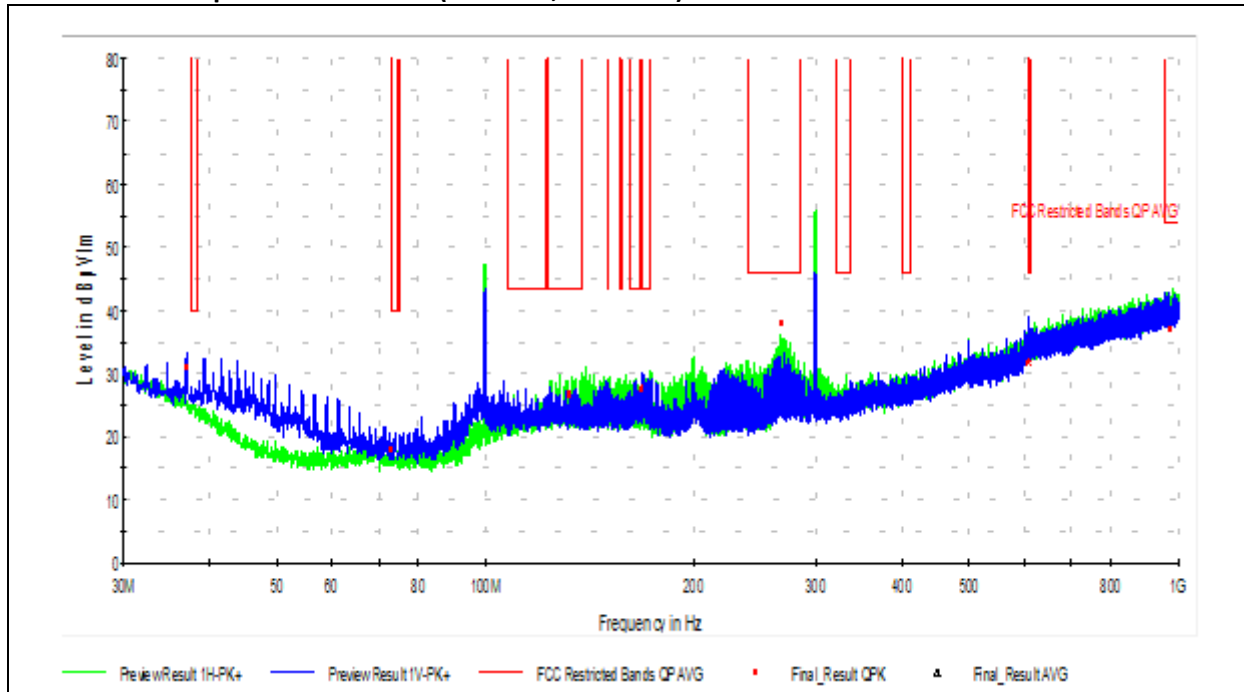
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	38.34	73.98	35.64	1000.000	224.0	V	63.0	-0.3
3945.000000	50.22	73.98	23.76	1000.000	292.0	V	82.0	7.0
4402.000000	55.08	88.23	33.15	1000.000	100.0	V	259.0	8.0
5274.500000	53.43	88.23	34.80	1000.000	204.0	V	95.0	8.9
6253.500000	58.65	88.23	29.58	1000.000	100.0	V	92.0	10.7
16083.500000	56.86	73.98	17.12	1000.000	410.0	H	334.0	25.9

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	25.71	53.98	28.27	1000.000	224.0	V	63.0	-0.3
3945.000000	28.81	53.98	25.17	1000.000	292.0	V	82.0	7.0
4402.000000	29.40	68.23	38.83	1000.000	100.0	V	259.0	8.0
5274.500000	28.94	68.23	39.29	1000.000	204.0	V	95.0	8.9
6253.500000	31.23	68.23	37.00	1000.000	100.0	V	92.0	10.7
16083.500000	43.74	53.98	10.24	1000.000	410.0	H	334.0	25.9

**6.42 Radiated Spurious Emissions (U-NII-2A, 802.11n40, High Channel)**

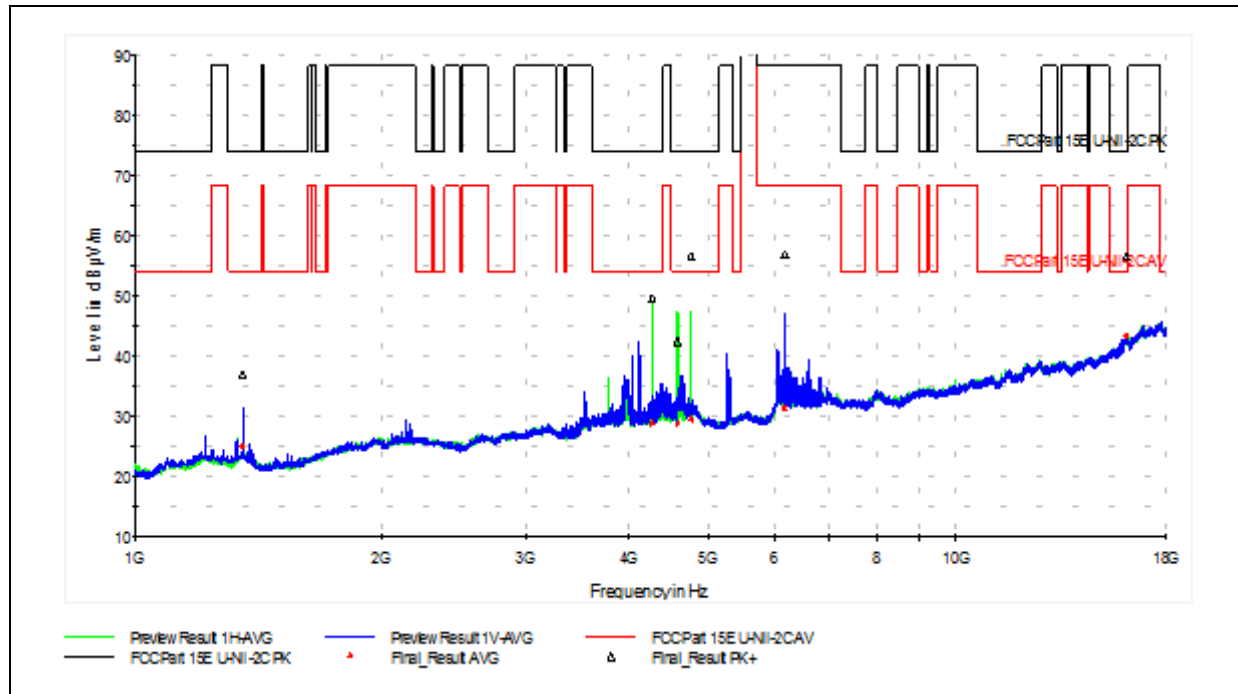
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	37.62	73.98	36.36	1000.000	149.0	V	71.0	-0.3
3986.000000	47.13	73.98	26.85	1000.000	410.0	V	84.0	7.2
4433.500000	60.17	88.23	28.06	1000.000	100.0	V	85.0	7.9
4659.000000	43.11	73.98	30.87	1000.000	100.0	V	99.0	8.2
5312.000000	49.26	88.23	38.97	1000.000	192.0	V	77.0	9.0
16114.500000	56.82	73.98	17.16	1000.000	347.0	H	190.0	25.9

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	24.60	53.98	29.38	1000.000	149.0	V	71.0	-0.3
3986.000000	28.79	53.98	25.19	1000.000	410.0	V	84.0	7.2
4433.500000	29.52	68.23	38.71	1000.000	100.0	V	85.0	7.9
4659.000000	29.33	53.98	24.65	1000.000	100.0	V	99.0	8.2
5312.000000	28.85	68.23	39.38	1000.000	192.0	V	77.0	9.0
16114.500000	43.77	53.98	10.21	1000.000	347.0	H	190.0	25.9

**6.43 Radiated Spurious Emissions (U-NII-2A, 802.11ac)**

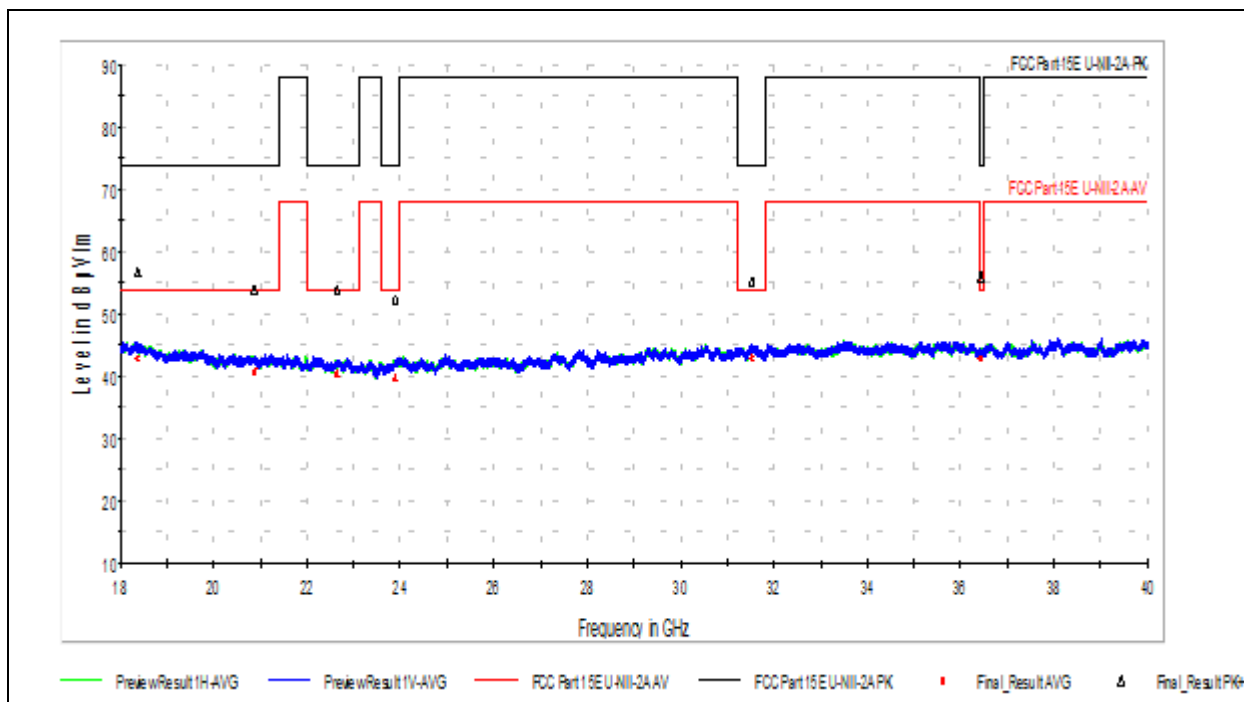
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.005556	31.03	-	-	120.000	100.3	V	126.0	22.7
72.895556	18.07	-	-	120.000	100.2	V	81.0	14.8
131.796111	26.71	43.52	16.81	120.000	203.4	H	154.0	22.0
167.686111	27.63	-	-	120.000	105.3	V	155.0	21.7
267.165000	37.92	46.02	8.10	120.000	106.4	H	128.0	23.4
609.036111	31.77	46.02	14.25	120.000	355.0	V	238.0	31.7
974.295000	37.09	53.98	16.89	120.000	177.6	V	144.0	36.9

Note: emissions that do not fall in a restricted band are noted with a "-".



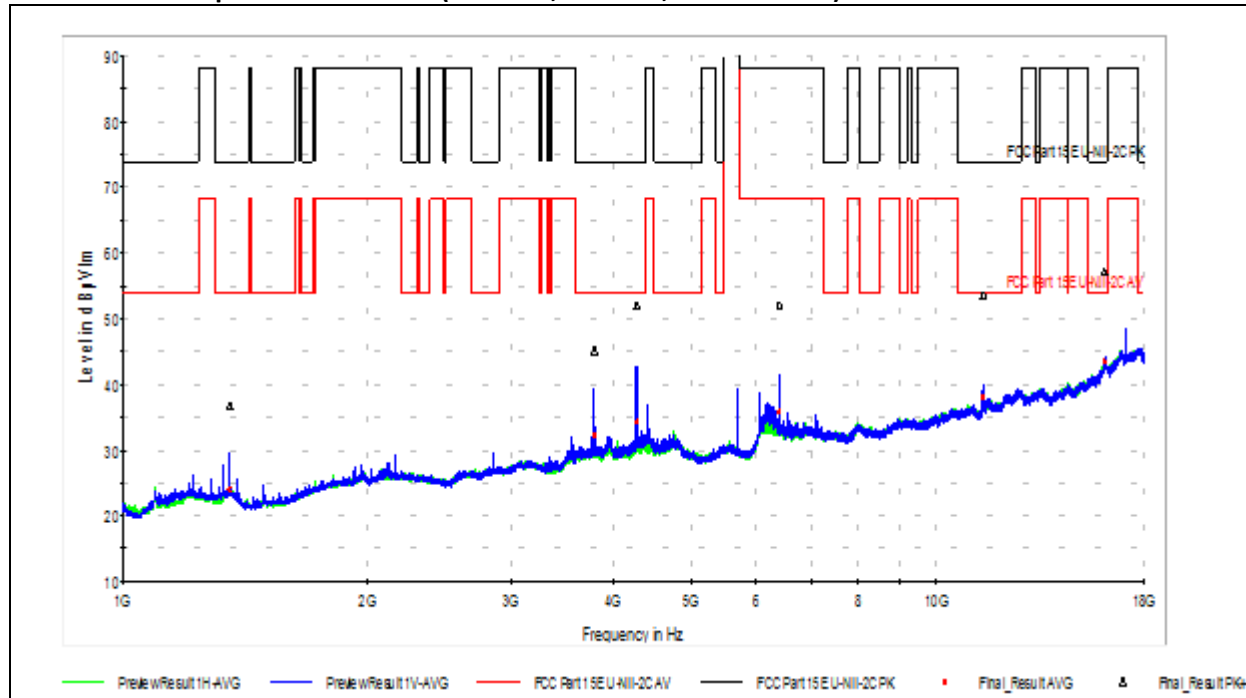
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	36.99	73.98	36.99	1000.000	379.0	V	263.0	-0.3
4267.000000	49.67	73.98	24.31	1000.000	189.0	H	306.0	7.5
4584.500000	42.49	73.98	31.49	1000.000	188.0	H	25.0	8.2
4750.500000	56.67	73.98	17.31	1000.000	157.0	H	14.0	8.1
6183.000000	56.98	88.23	31.25	1000.000	410.0	V	286.0	10.6
16133.500000	56.46	73.98	17.52	1000.000	302.0	H	137.0	25.4

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	25.03	53.98	28.95	1000.000	379.0	V	263.0	-0.3
4267.000000	28.96	53.98	25.02	1000.000	189.0	H	306.0	7.5
4584.500000	28.91	53.98	25.07	1000.000	188.0	H	25.0	8.2
4750.500000	29.61	53.98	24.37	1000.000	157.0	H	14.0	8.1
6183.000000	31.39	68.23	36.84	1000.000	410.0	V	286.0	10.6
16133.500000	43.46	53.98	10.52	1000.000	302.0	H	137.0	25.4



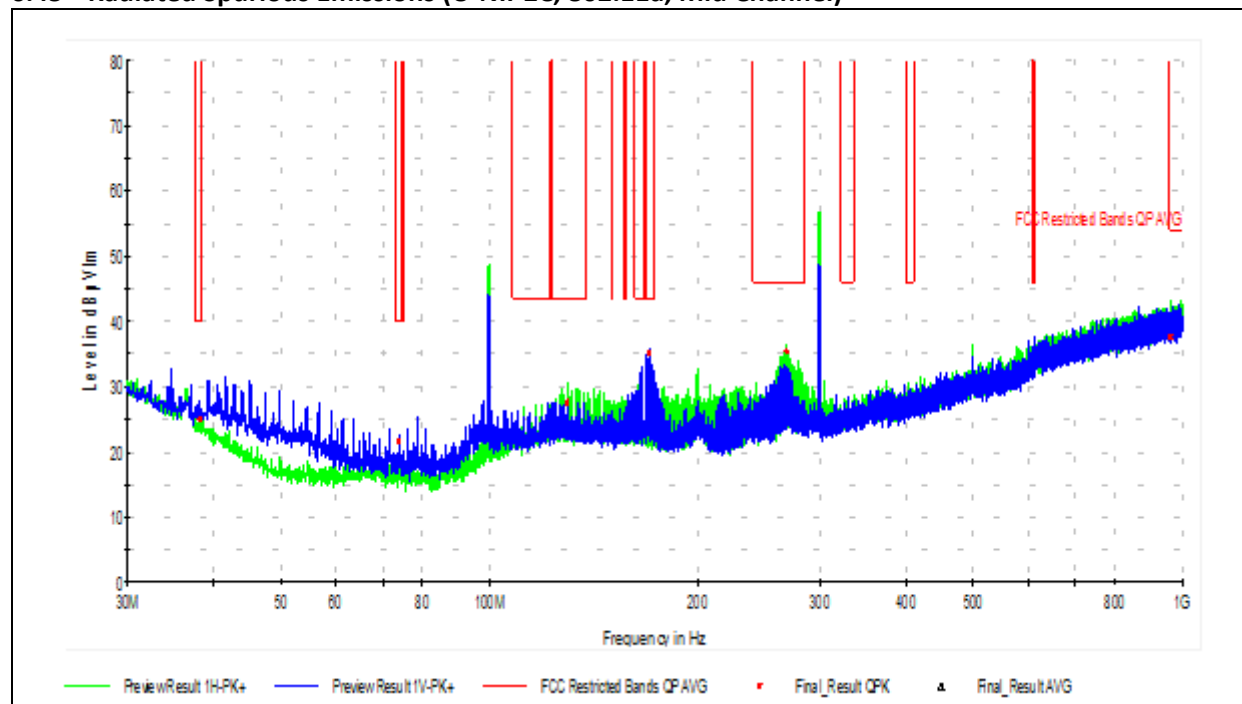
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18373.500000	56.86	73.98	17.12	1000.000	168.0	V	142.0	19.9
20862.500000	54.10	73.98	19.88	1000.000	100.0	H	52.0	11.4
22643.000000	53.85	73.98	20.13	1000.000	231.0	V	297.0	6.7
23878.500000	52.62	73.98	21.36	1000.000	100.0	V	0.0	6.0
31530.000000	55.54	73.98	18.44	1000.000	212.0	H	200.0	11.1
36428.000000	55.99	88.23	32.24	1000.000	100.0	V	69.0	11.3

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18373.500000	42.91	53.98	11.07	1000.000	168.0	V	142.0	19.9
20862.500000	40.71	53.98	13.27	1000.000	100.0	H	52.0	11.4
22643.000000	40.34	53.98	13.64	1000.000	231.0	V	297.0	6.7
23878.500000	39.78	53.98	14.20	1000.000	100.0	V	0.0	6.0
31530.000000	42.95	53.98	11.03	1000.000	212.0	H	200.0	11.1
36428.000000	42.86	68.23	25.37	1000.000	100.0	V	69.0	11.3

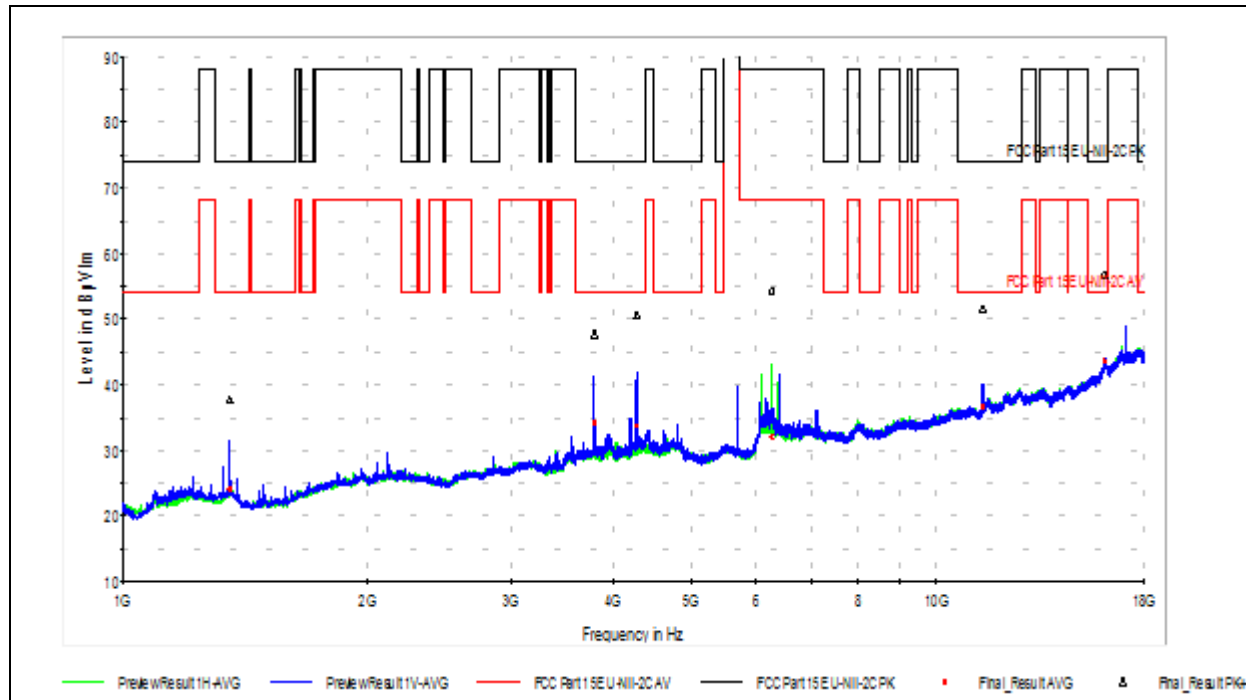
**6.44 Radiated Spurious Emissions (U-NII-2C, 802.11a, Low Channel)**

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	36.78	73.98	37.20	1000.000	267.0	V	35.0	-0.3
3800.000000	45.21	73.98	28.77	1000.000	346.0	V	276.0	6.7
4278.500000	52.08	73.98	21.90	1000.000	254.0	V	80.0	7.5
6404.000000	52.09	88.23	36.14	1000.000	156.0	V	88.0	10.9
11401.500000	53.70	73.98	20.28	1000.000	410.0	V	291.0	17.1
16053.000000	57.24	73.98	16.74	1000.000	100.0	H	326.0	25.2

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	24.00	53.98	29.98	1000.000	267.0	V	35.0	-0.3
3800.000000	32.29	53.98	21.69	1000.000	346.0	V	276.0	6.7
4278.500000	34.33	53.98	19.65	1000.000	254.0	V	80.0	7.5
6404.000000	35.72	68.23	32.51	1000.000	156.0	V	88.0	10.9
11401.500000	38.02	53.98	15.96	1000.000	410.0	V	291.0	17.1
16053.000000	43.39	53.98	10.59	1000.000	100.0	H	326.0	25.2

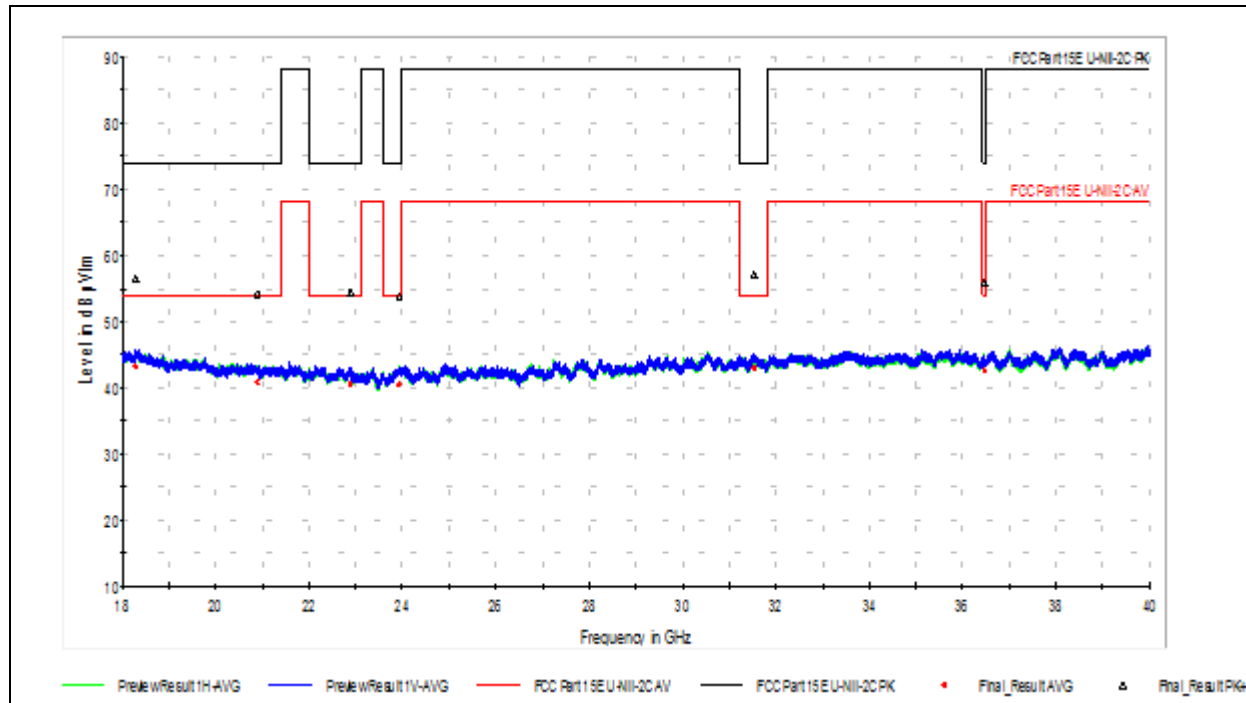
**6.45 Radiated Spurious Emissions (U-NII-2C, 802.11a, Mid Channel)**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.137222	25.09	40.00	14.91	120.000	105.4	V	181.0	22.0
74.027222	21.67	40.00	18.33	120.000	99.9	V	136.0	14.9
129.532778	27.52	43.52	16.00	120.000	216.9	H	163.0	22.0
170.057222	35.04	43.52	8.48	120.000	100.0	V	162.0	21.6
268.350556	35.40	46.02	10.62	120.000	100.2	H	274.0	23.4
963.140000	37.67	53.98	16.31	120.000	157.1	H	218.0	37.6



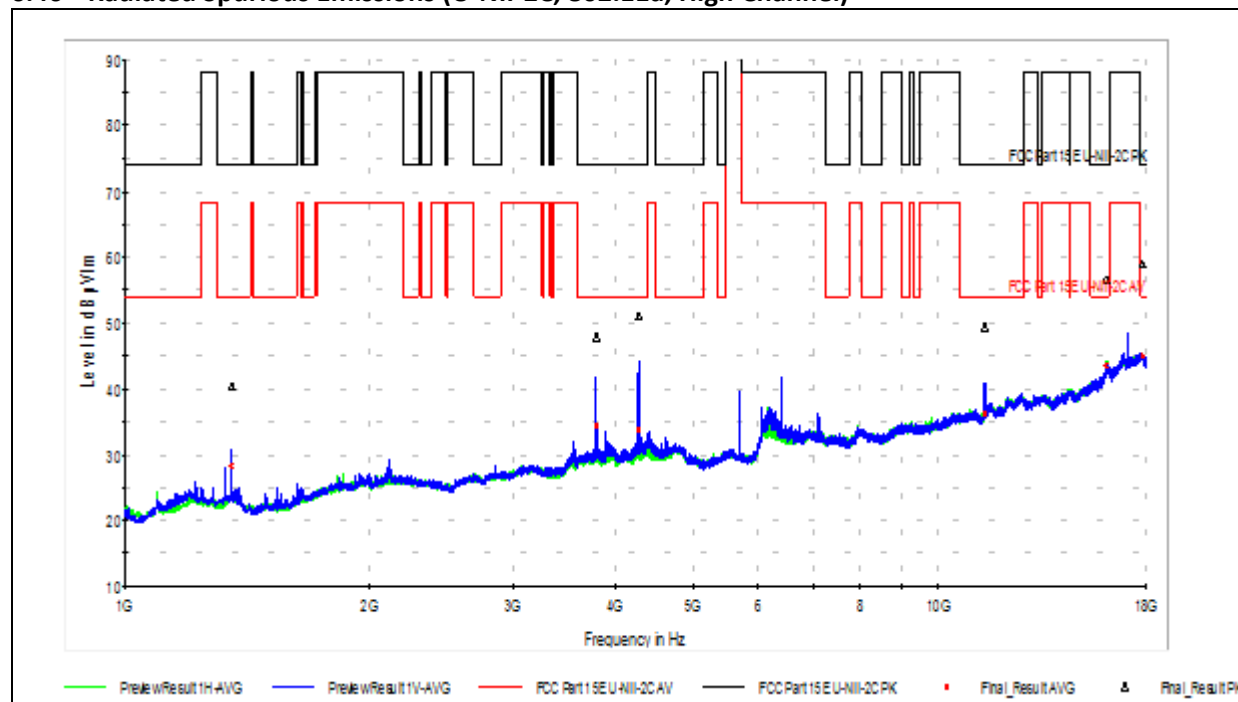
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	37.78	73.98	36.20	1000.000	194.0	V	58.0	-0.3
3800.000000	47.73	73.98	26.25	1000.000	210.0	V	65.0	6.7
4280.000000	50.70	73.98	23.28	1000.000	100.0	V	268.0	7.5
6273.500000	54.55	88.23	33.68	1000.000	100.0	H	9.0	10.8
11396.500000	51.68	73.98	22.30	1000.000	253.0	V	324.0	17.3
16062.000000	56.81	73.98	17.17	1000.000	100.0	V	1.0	25.4

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	24.06	53.98	29.92	1000.000	194.0	V	58.0	-0.3
3800.000000	34.22	53.98	19.76	1000.000	210.0	V	65.0	6.7
4280.000000	33.74	53.98	20.24	1000.000	100.0	V	268.0	7.5
6273.500000	32.12	68.23	36.11	1000.000	100.0	H	9.0	10.8
11396.500000	36.54	53.98	17.44	1000.000	253.0	V	324.0	17.3
16062.000000	43.51	53.98	10.47	1000.000	100.0	V	1.0	25.4



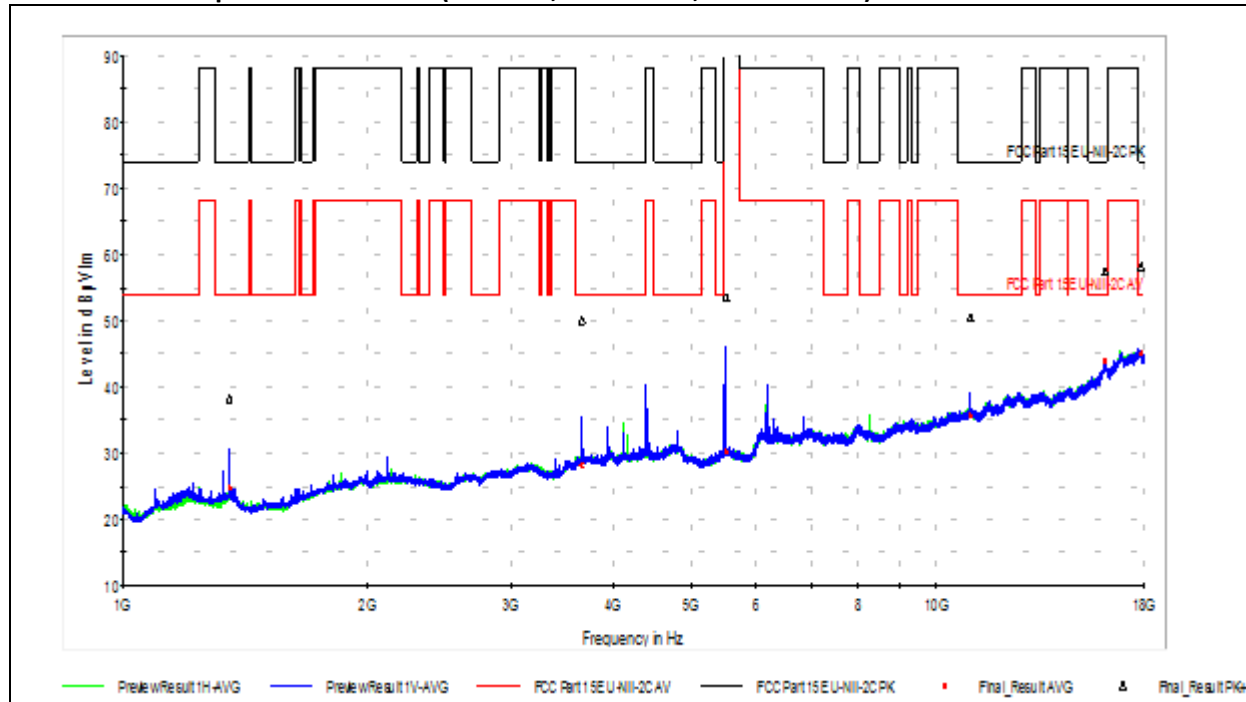
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18274.500000	56.54	73.98	17.44	1000.000	100.0	V	88.0	20.1
20895.000000	54.24	73.98	19.74	1000.000	100.0	V	319.0	11.2
22888.000000	54.50	73.98	19.48	1000.000	100.0	V	326.0	6.6
23938.000000	53.80	73.98	20.18	1000.000	100.0	H	339.0	6.1
31528.500000	57.12	73.98	16.86	1000.000	229.0	V	223.0	11.2
36452.000000	55.92	73.98	18.06	1000.000	109.0	H	270.0	11.2

Frequency (MHz)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18274.500000	43.22	53.98	10.76	1000.000	100.0	V	88.0	20.1
20895.000000	40.89	53.98	13.09	1000.000	100.0	V	319.0	11.2
22888.000000	40.58	53.98	13.40	1000.000	100.0	V	326.0	6.6
23938.000000	40.31	53.98	13.67	1000.000	100.0	H	339.0	6.1
31528.500000	42.94	53.98	11.04	1000.000	229.0	V	223.0	11.2
36452.000000	42.47	53.98	11.51	1000.000	109.0	H	270.0	11.2

**6.46 Radiated Spurious Emissions (U-NII-2C, 802.11a, High Channel)**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	40.44	73.98	33.54	1000.000	182.0	V	322.0	-0.3
3800.000000	47.89	73.98	26.09	1000.000	209.0	V	64.0	6.7
4281.500000	51.16	73.98	22.82	1000.000	237.0	V	65.0	7.5
11401.000000	49.39	73.98	24.59	1000.000	320.0	V	282.0	17.1
16075.000000	56.72	73.98	17.26	1000.000	410.0	H	302.0	25.7
17780.000000	59.06	73.98	14.92	1000.000	410.0	H	302.0	26.3

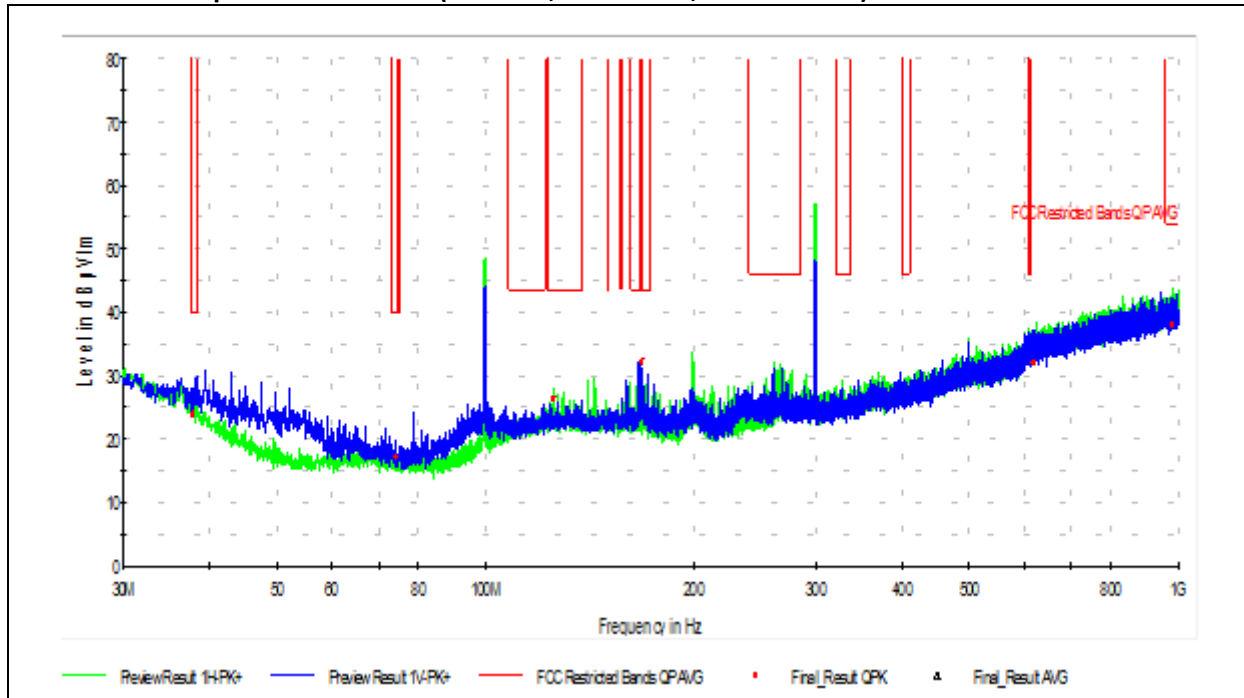
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	28.24	53.98	25.74	1000.000	182.0	V	322.0	-0.3
3800.000000	34.57	53.98	19.41	1000.000	209.0	V	64.0	6.7
4281.500000	33.80	53.98	20.18	1000.000	237.0	V	65.0	7.5
11401.000000	36.26	53.98	17.72	1000.000	320.0	V	282.0	17.1
16075.000000	43.65	53.98	10.33	1000.000	410.0	H	302.0	25.7
17780.000000	44.98	53.98	9.00	1000.000	410.0	H	302.0	26.3

**6.47 Radiated Spurious Emissions (U-NII-2C, 802.11n20, Low Channel)**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	38.24	73.98	35.74	1000.000	100.0	V	316.0	-0.3
3665.500000	50.08	73.98	23.90	1000.000	116.0	V	62.0	6.2
5507.500000	53.69	-	-	1000.000	185.0	V	58.0	9.2
11001.000000	50.53	73.98	23.45	1000.000	323.0	V	320.0	16.9
16101.500000	57.54	73.98	16.44	1000.000	190.0	H	253.0	26.2
17811.000000	58.23	73.98	15.75	1000.000	100.0	H	284.0	26.4

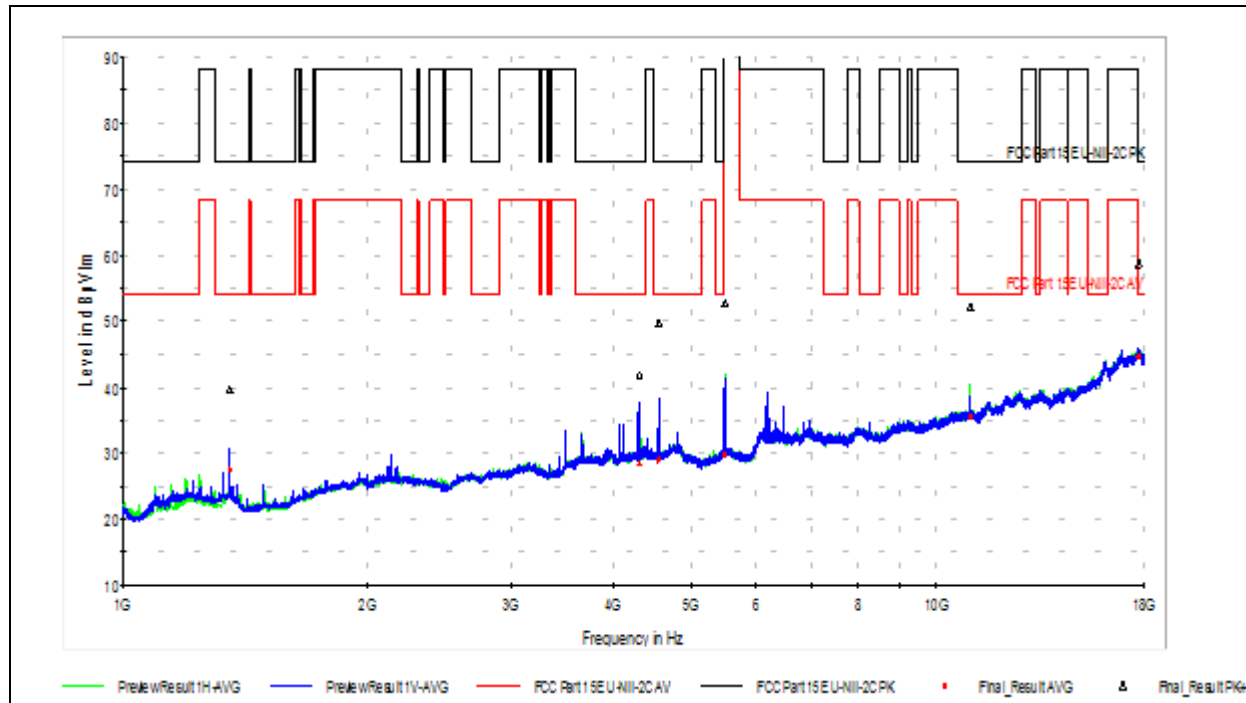
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	24.67	53.98	29.31	1000.000	100.0	V	316.0	-0.3
3665.500000	28.25	53.98	25.73	1000.000	116.0	V	62.0	6.2
5507.500000	30.09	-	-	1000.000	185.0	V	58.0	9.2
11001.000000	35.61	53.98	18.37	1000.000	323.0	V	320.0	16.9
16101.500000	44.00	53.98	9.98	1000.000	190.0	H	253.0	26.2
17811.000000	45.00	53.98	8.98	1000.000	100.0	H	284.0	26.4

Note: emissions that do not fall in a restricted band are noted with a “-”.

**6.48 Radiated Spurious Emissions (U-NII-2C, 802.11n20, Mid Channel)**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.706111	24.01	40.00	15.99	120.000	104.9	V	126.0	22.3
74.081111	17.07	40.00	22.93	120.000	99.9	V	116.0	14.9
125.113889	26.33	43.52	17.19	120.000	237.5	H	163.0	22.1
167.955556	32.32	43.52	11.20	120.000	105.2	V	163.0	21.7
618.358889	32.05	-	-	120.000	264.3	V	318.0	31.9
980.977222	37.99	53.98	15.99	120.000	106.7	H	45.0	37.8

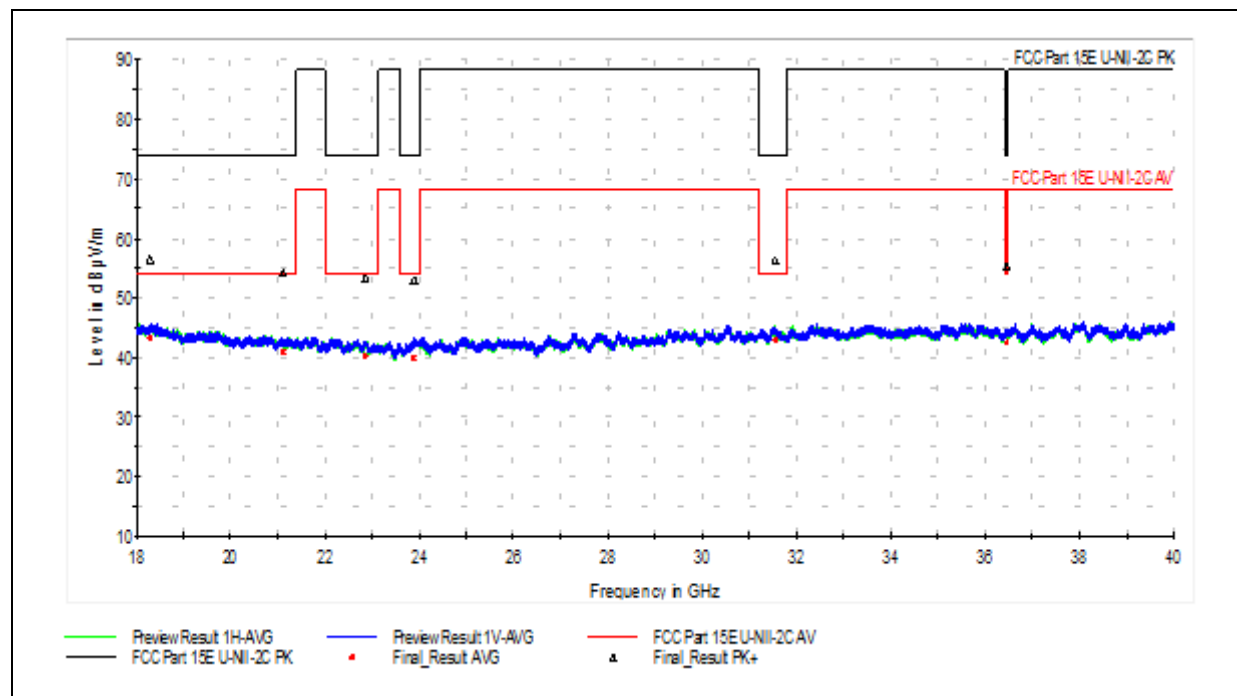
Note: emissions that do not fall in a restricted band are noted with a “-”.



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	39.62	73.98	34.36	1000.000	312.0	V	287.0	-0.3
4316.000000	41.88	73.98	32.10	1000.000	118.0	V	75.0	7.6
4563.500000	49.87	73.98	24.11	1000.000	124.0	V	56.0	8.1
5496.500000	52.77	-	-	1000.000	100.0	H	12.0	9.2
10996.000000	52.19	73.98	21.79	1000.000	269.0	H	308.0	16.9
17722.500000	58.68	73.98	15.30	1000.000	100.0	V	179.0	26.0

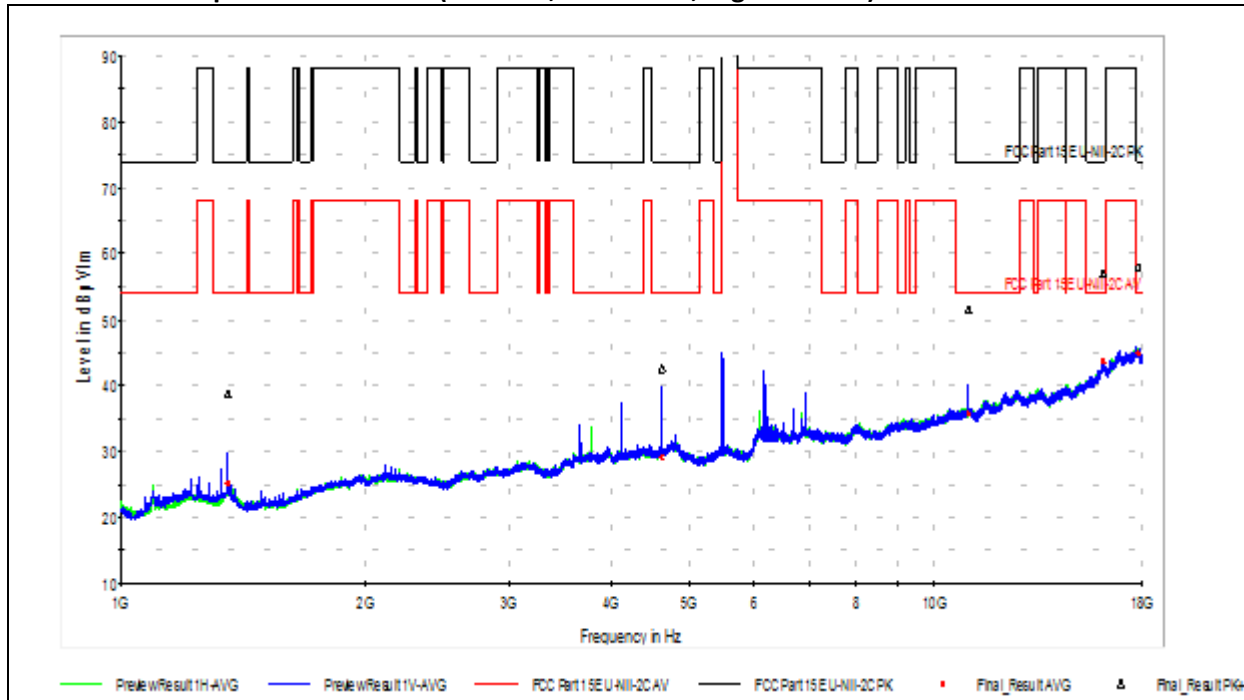
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	27.45	53.98	26.53	1000.000	312.0	V	287.0	-0.3
4316.000000	28.33	53.98	25.65	1000.000	118.0	V	75.0	7.6
4563.500000	28.90	53.98	25.08	1000.000	124.0	V	56.0	8.1
5496.500000	29.74	-	-	1000.000	100.0	H	12.0	9.2
10996.000000	35.69	53.98	18.29	1000.000	269.0	H	308.0	16.9
17722.500000	44.65	53.98	9.33	1000.000	100.0	V	179.0	26.0

Note: emissions that do not fall in a restricted band are noted with a “-”.



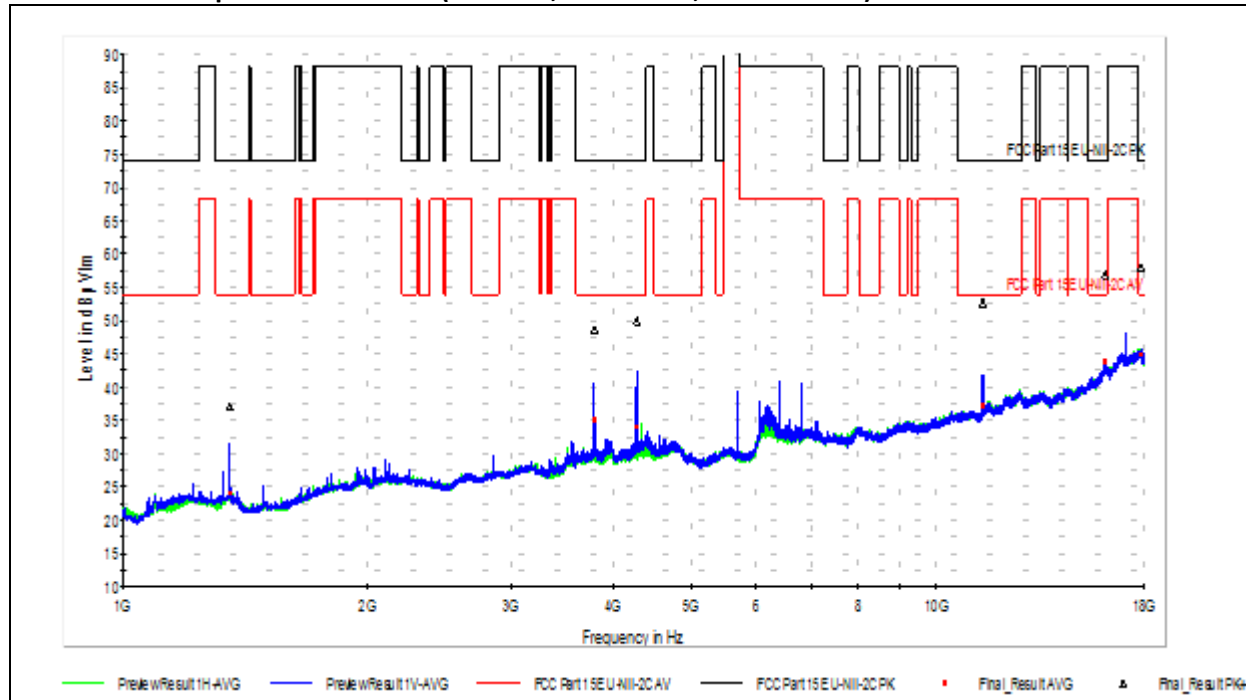
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18285.500000	56.56	73.98	17.42	1000.000	100.0	H	0.0	20.0
21114.500000	54.34	73.98	19.64	1000.000	100.0	V	56.0	10.8
22851.500000	53.45	73.98	20.53	1000.000	100.0	V	91.0	6.3
23895.500000	53.00	73.98	20.98	1000.000	100.0	V	283.0	5.9
31537.000000	56.25	73.98	17.73	1000.000	410.0	H	278.0	11.1
36466.500000	55.33	73.98	18.65	1000.000	100.0	V	45.0	11.2

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18285.500000	43.17	53.98	10.81	1000.000	100.0	H	0.0	20.0
21114.500000	40.90	53.98	13.08	1000.000	100.0	V	56.0	10.8
22851.500000	40.08	53.98	13.90	1000.000	100.0	V	91.0	6.3
23895.500000	39.88	53.98	14.10	1000.000	100.0	V	283.0	5.9
31537.000000	42.80	53.98	11.18	1000.000	410.0	H	278.0	11.1
36466.500000	42.45	53.98	11.53	1000.000	100.0	V	45.0	11.2

**6.49 Radiated Spurious Emissions (U-NII-2C, 802.11n20, High Channel)**

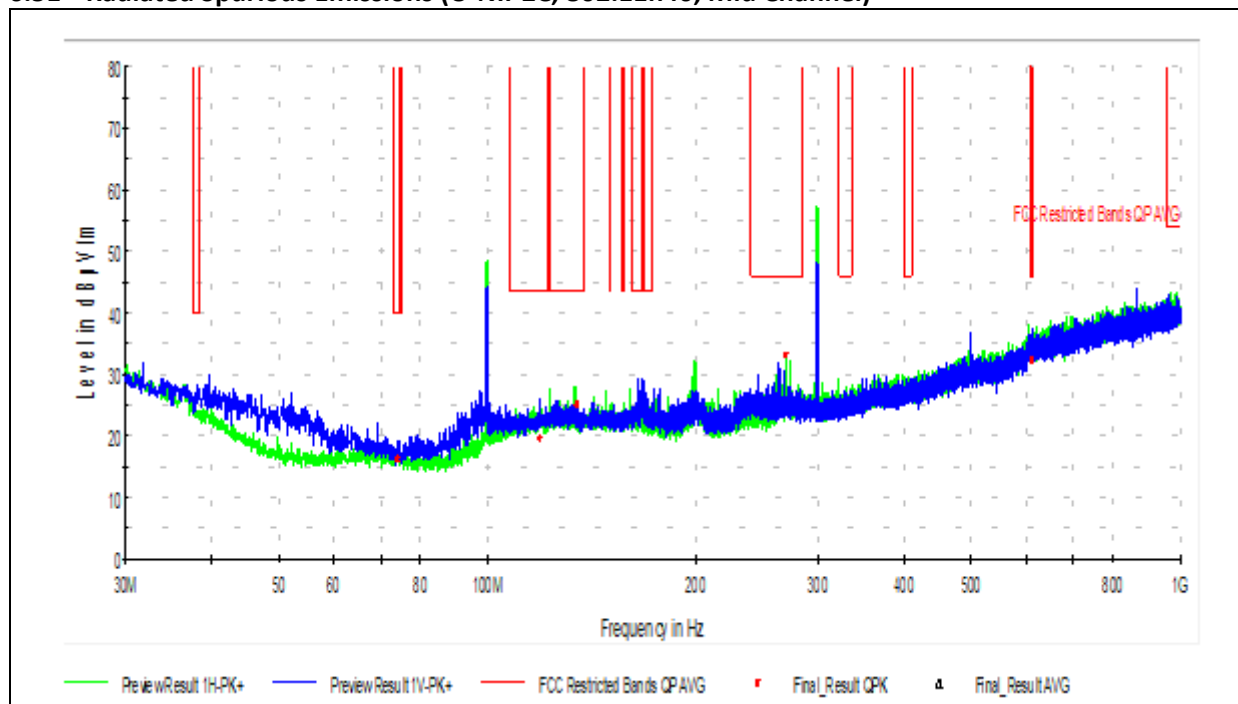
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	38.78	73.98	35.20	1000.000	356.0	V	80.0	-0.3
4627.500000	42.61	73.98	31.37	1000.000	410.0	V	63.0	8.2
10998.500000	51.58	73.98	22.40	1000.000	300.0	V	282.0	16.9
16092.000000	57.12	73.98	16.86	1000.000	100.0	H	190.0	26.1
17782.000000	58.12	73.98	15.86	1000.000	100.0	H	91.0	26.3

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	25.12	53.98	28.86	1000.000	356.0	V	80.0	-0.3
4627.500000	29.08	53.98	24.90	1000.000	410.0	V	63.0	8.2
10998.500000	35.65	53.98	18.33	1000.000	300.0	V	282.0	16.9
16092.000000	43.86	53.98	10.12	1000.000	100.0	H	190.0	26.1
17782.000000	44.89	53.98	9.09	1000.000	100.0	H	91.0	26.3

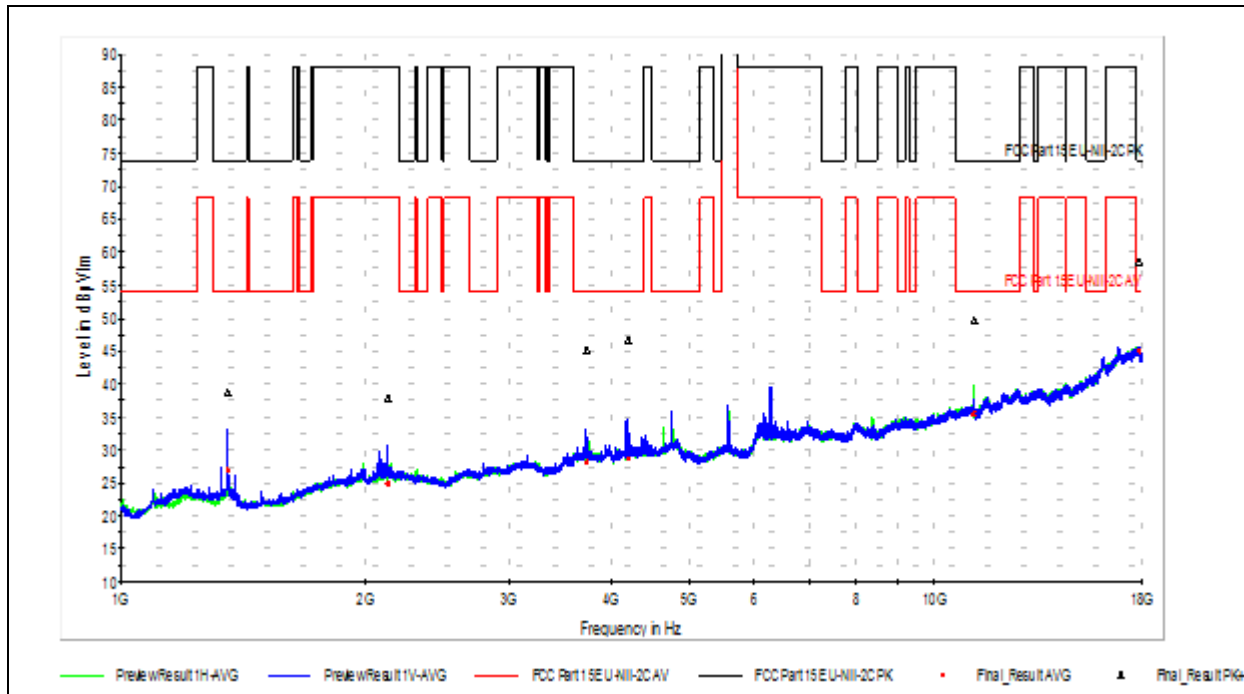
**6.50 Radiated Spurious Emissions (U-NII-2C, 802.11n40, Low Channel)**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	37.08	73.98	36.90	1000.000	172.0	V	313.0	-0.3
3800.000000	48.72	73.98	25.26	1000.000	210.0	V	68.0	6.7
4283.000000	50.04	73.98	23.94	1000.000	147.0	V	103.0	7.5
11397.000000	52.73	73.98	21.25	1000.000	318.0	V	297.0	17.3
16091.500000	56.86	73.98	17.12	1000.000	410.0	H	278.0	26.1
17815.500000	57.99	73.98	15.99	1000.000	410.0	H	1.0	26.4

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	24.05	53.98	29.93	1000.000	172.0	V	313.0	-0.3
3800.000000	35.15	53.98	18.83	1000.000	210.0	V	68.0	6.7
4283.000000	33.97	53.98	20.01	1000.000	147.0	V	103.0	7.5
11397.000000	37.09	53.98	16.89	1000.000	318.0	V	297.0	17.3
16091.500000	43.83	53.98	10.15	1000.000	410.0	H	278.0	26.1
17815.500000	44.91	53.98	9.07	1000.000	410.0	H	1.0	26.4

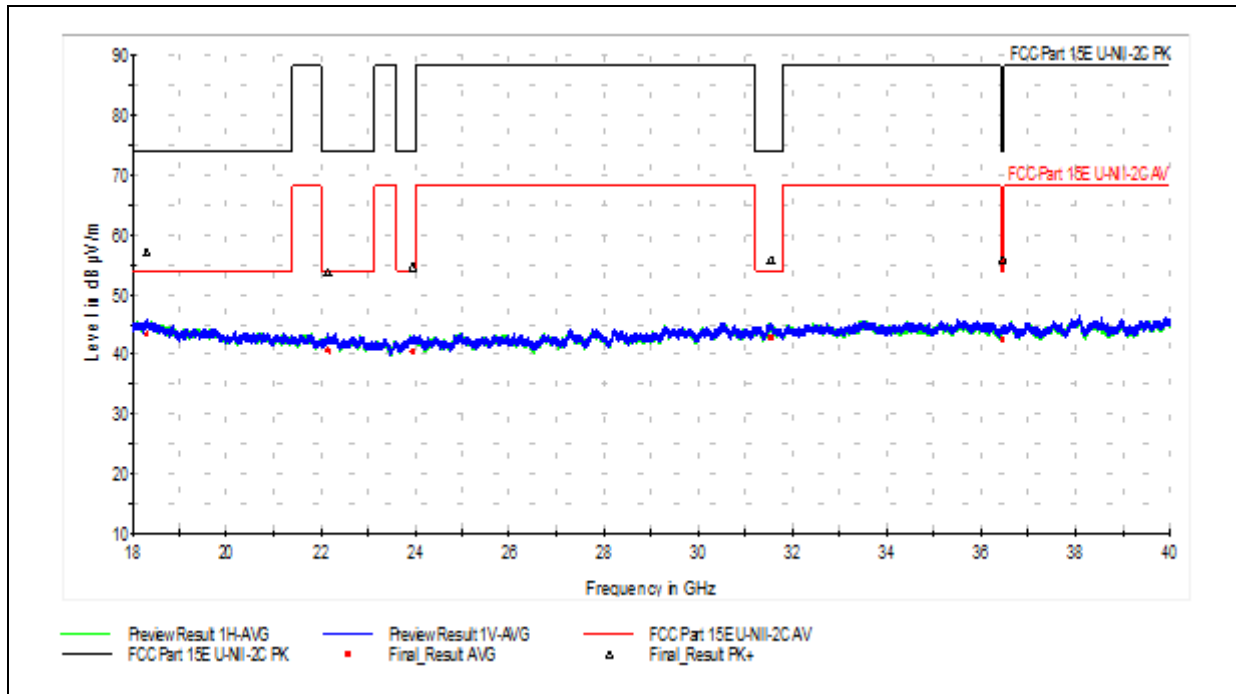
**6.51 Radiated Spurious Emissions (U-NII-2C, 802.11n40, Mid Channel)**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
74.242778	16.30	40.00	23.70	120.000	100.0	V	180.0	14.9
118.970556	19.33	43.52	24.19	120.000	105.2	V	83.0	21.9
134.328889	25.07	43.52	18.45	120.000	189.5	H	180.0	22.0
269.859445	33.13	46.02	12.89	120.000	107.0	H	279.0	23.5
611.083889	32.33	46.02	13.69	120.000	261.4	H	245.0	32.3



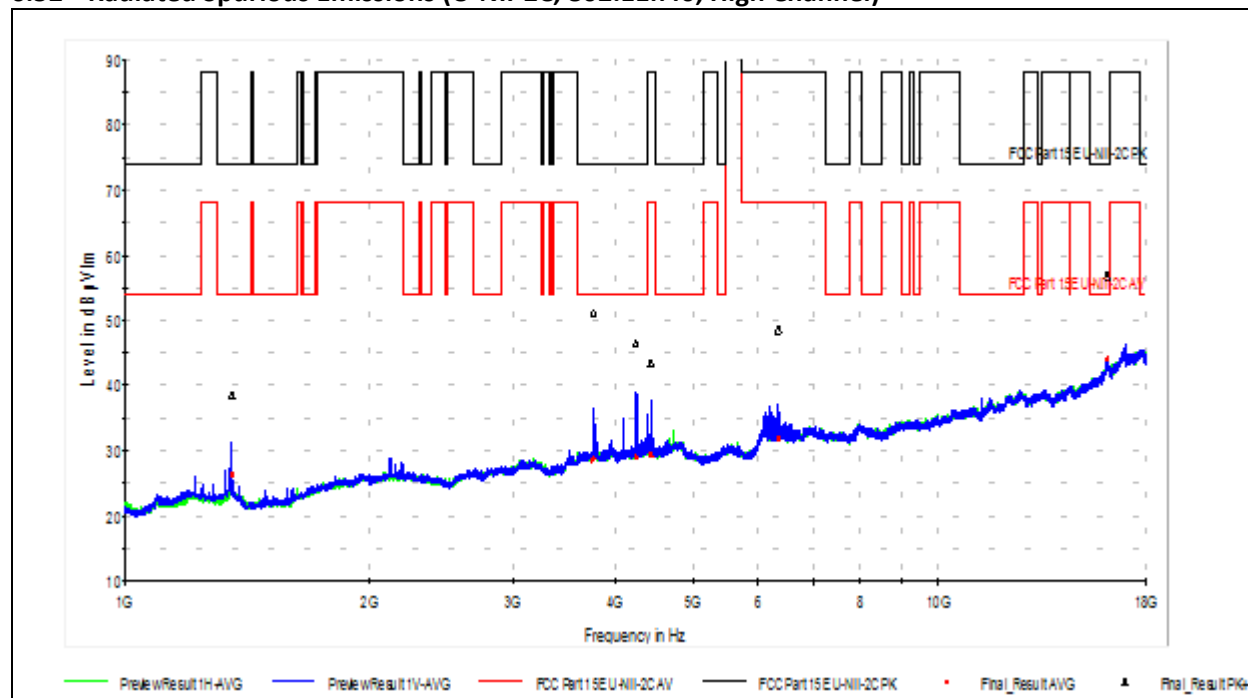
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	38.82	73.98	35.16	1000.000	260.0	V	314.0	-0.3
2130.000000	37.87	88.23	50.36	1000.000	410.0	V	282.0	2.6
3739.000000	45.21	73.98	28.77	1000.000	100.0	V	79.0	6.5
4204.000000	46.68	73.98	27.30	1000.000	286.0	V	58.0	7.6
11176.500000	49.72	73.98	24.26	1000.000	301.0	H	268.0	17.2
17805.000000	58.72	73.98	15.26	1000.000	410.0	V	232.0	26.4

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	26.95	53.98	27.03	1000.000	260.0	V	314.0	-0.3
2130.000000	24.79	68.23	43.44	1000.000	410.0	V	282.0	2.6
3739.000000	28.16	53.98	25.82	1000.000	100.0	V	79.0	6.5
4204.000000	28.72	53.98	25.26	1000.000	286.0	V	58.0	7.6
11176.500000	35.51	53.98	18.47	1000.000	301.0	H	268.0	17.2
17805.000000	45.00	53.98	8.98	1000.000	410.0	V	232.0	26.4



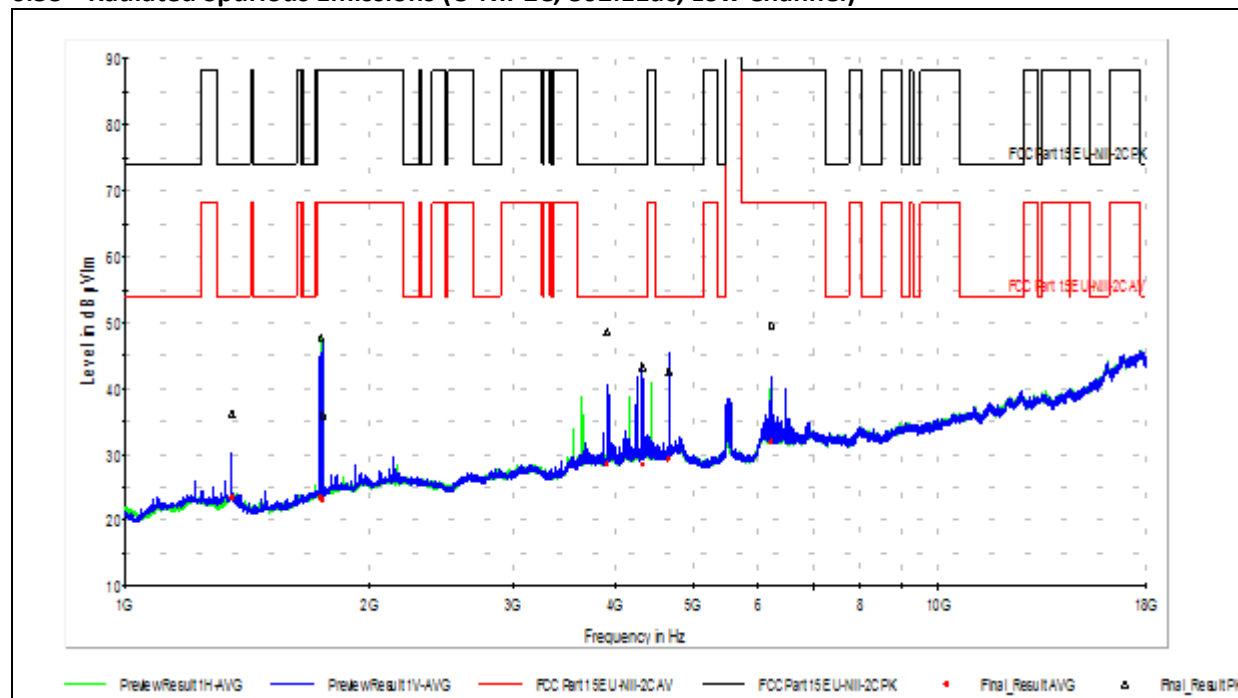
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18303.500000	57.08	73.98	16.90	1000.000	100.0	H	51.0	19.9
22141.000000	53.80	73.98	20.18	1000.000	100.0	V	243.0	8.0
23940.000000	54.65	73.98	19.33	1000.000	100.0	V	34.0	6.2
31546.000000	55.84	73.98	18.14	1000.000	410.0	H	281.0	11.1
36456.500000	55.97	73.98	18.01	1000.000	109.0	V	0.0	11.2

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18303.500000	43.24	53.98	10.74	1000.000	100.0	H	51.0	19.9
22141.000000	40.47	53.98	13.51	1000.000	100.0	V	243.0	8.0
23940.000000	40.46	53.98	13.52	1000.000	100.0	V	34.0	6.2
31546.000000	42.75	53.98	11.23	1000.000	410.0	H	281.0	11.1
36456.500000	42.43	53.98	11.55	1000.000	109.0	V	0.0	11.2

**6.52 Radiated Spurious Emissions (U-NII-2C, 802.11n40, High Channel)**

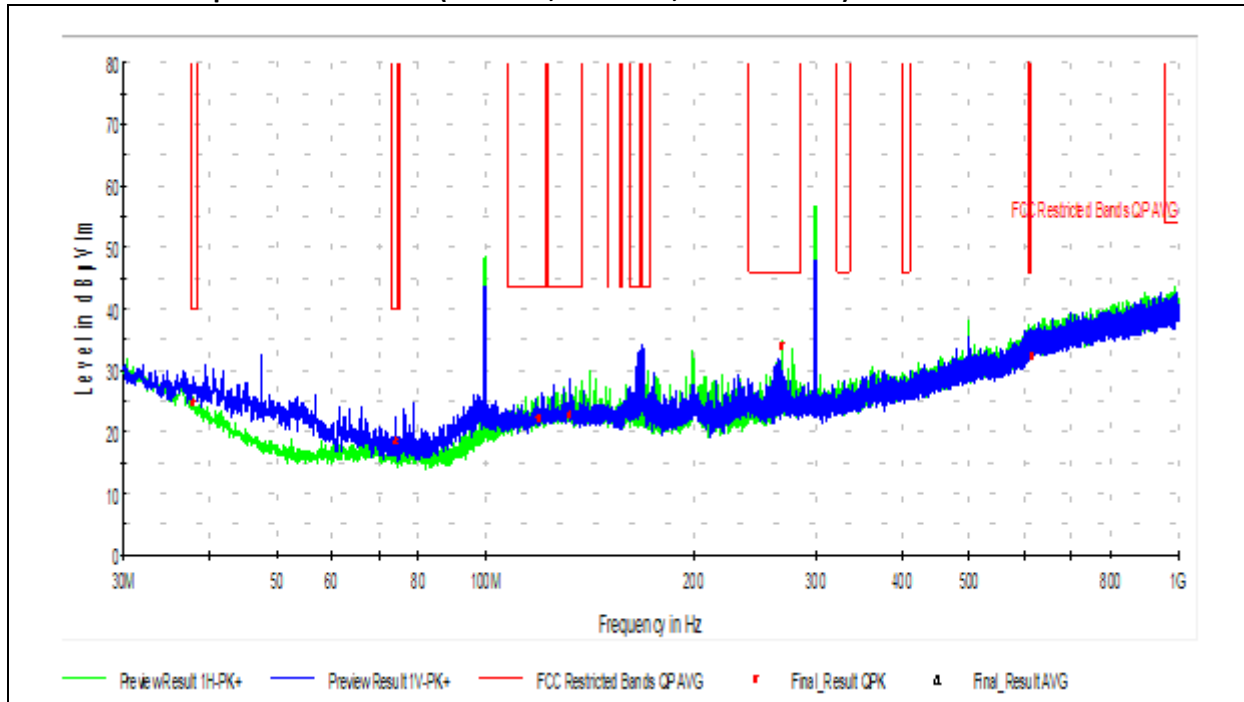
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	38.69	73.98	35.29	1000.000	363.0	V	68.0	-0.3
3768.000000	51.20	73.98	22.78	1000.000	109.0	V	56.0	6.6
4247.000000	46.42	73.98	27.56	1000.000	151.0	V	97.0	7.7
4436.000000	43.61	88.23	44.62	1000.000	100.0	V	263.0	7.9
6359.000000	48.68	88.23	39.55	1000.000	327.0	V	99.0	10.8
16098.000000	56.91	73.98	17.07	1000.000	355.0	H	246.0	26.2

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	26.30	53.98	27.68	1000.000	363.0	V	68.0	-0.3
3768.000000	28.57	53.98	25.41	1000.000	109.0	V	56.0	6.6
4247.000000	28.95	53.98	25.03	1000.000	151.0	V	97.0	7.7
4436.000000	29.48	68.23	38.75	1000.000	100.0	V	263.0	7.9
6359.000000	31.70	68.23	36.53	1000.000	327.0	V	99.0	10.8
16098.000000	44.00	53.98	9.98	1000.000	355.0	H	246.0	26.2

**6.53 Radiated Spurious Emissions (U-NII-2C, 802.11ac, Low Channel)**

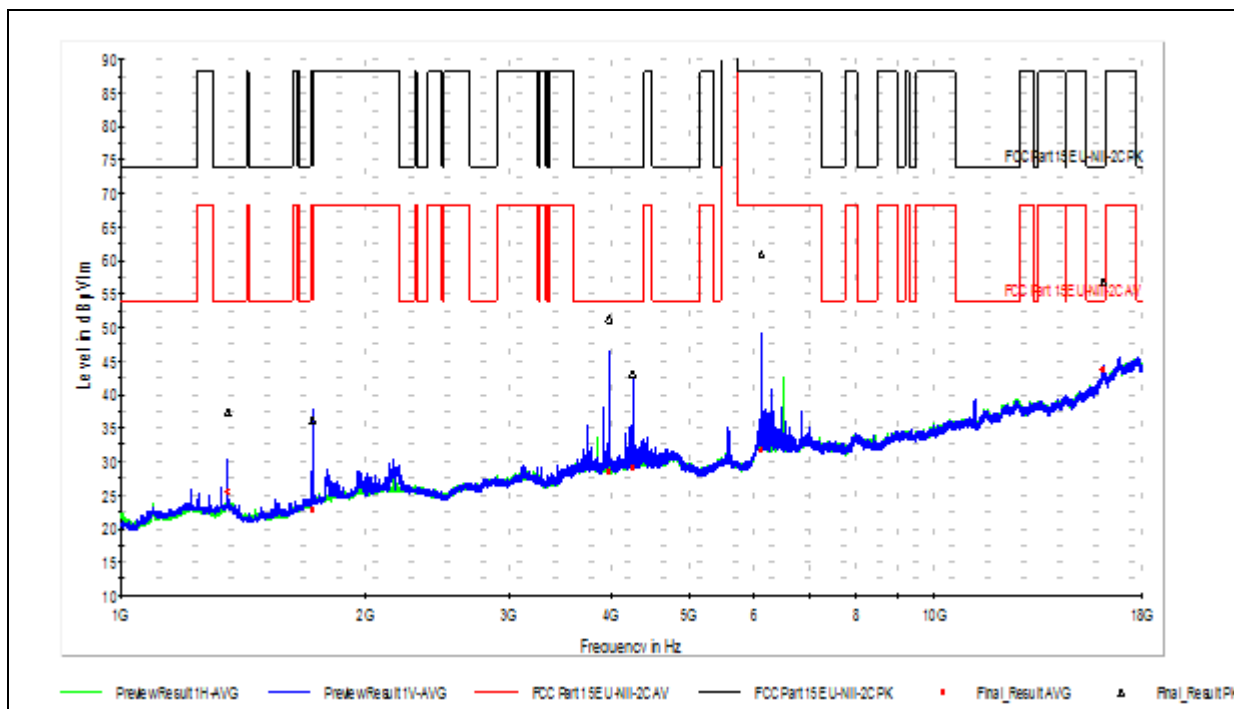
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	36.19	73.98	37.79	1000.000	274.0	V	248.0	-0.3
1741.000000	47.72	88.23	40.51	1000.000	195.0	H	192.0	0.5
1753.500000	35.98	88.23	52.25	1000.000	152.0	V	82.0	0.8
3916.000000	48.68	73.98	25.30	1000.000	398.0	V	81.0	6.9
4329.000000	43.36	73.98	30.62	1000.000	100.0	V	263.0	7.5
4665.000000	42.61	73.98	31.37	1000.000	100.0	V	264.0	8.2
6227.500000	49.77	88.23	38.46	1000.000	118.0	V	80.0	10.8

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	23.41	53.98	30.57	1000.000	274.0	V	248.0	-0.3
1741.000000	23.37	68.23	44.86	1000.000	195.0	H	192.0	0.5
1753.500000	23.05	68.23	45.18	1000.000	152.0	V	82.0	0.8
3916.000000	28.41	53.98	25.57	1000.000	398.0	V	81.0	6.9
4329.000000	28.54	53.98	25.44	1000.000	100.0	V	263.0	7.5
4665.000000	29.39	53.98	24.59	1000.000	100.0	V	264.0	8.2
6227.500000	31.76	68.23	36.47	1000.000	118.0	V	80.0	10.8

**6.54 Radiated Spurious Emissions (U-NII-2C, 802.11ac, Mid Channel)**

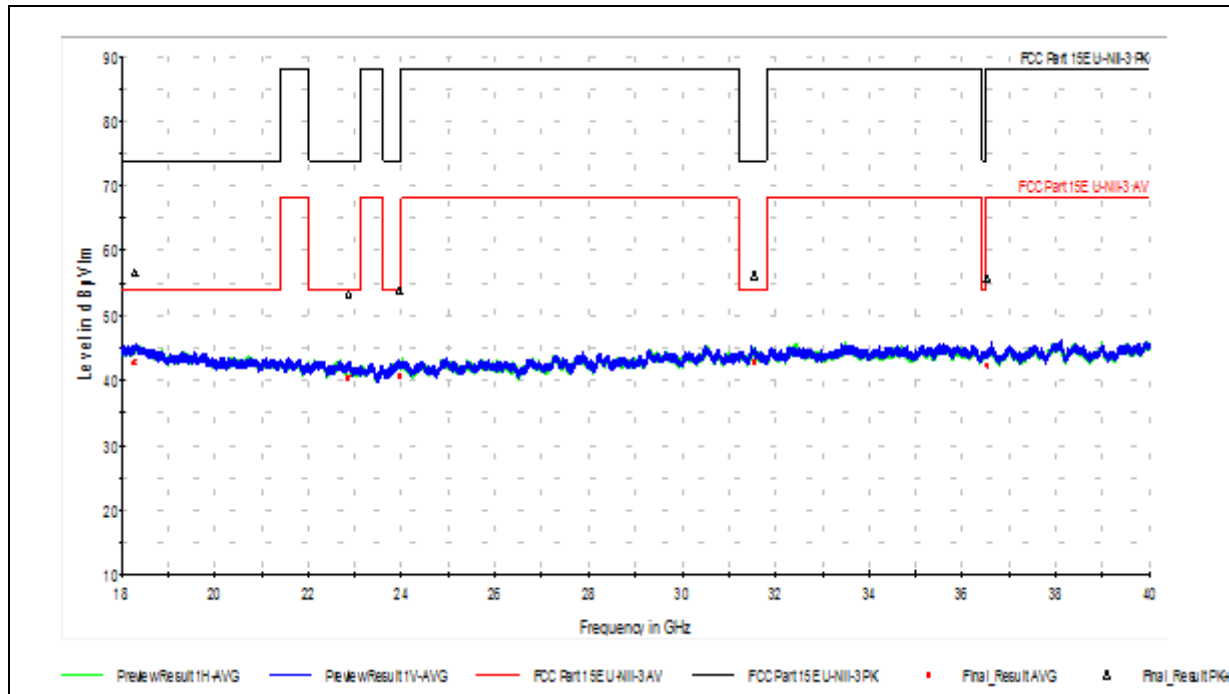
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.813889	24.78	40.00	15.22	120.000	100.0	V	126.0	22.2
74.081111	18.49	40.00	21.51	120.000	100.0	V	126.0	14.9
119.240000	22.27	43.52	21.25	120.000	189.8	H	153.0	21.8
132.065556	22.76	43.52	20.76	120.000	154.1	V	71.0	22.5
267.488333	33.95	46.02	12.07	120.000	106.7	H	281.0	23.4
614.802222	32.54	-	-	120.000	129.8	H	63.0	32.3

Note: emissions that do not fall in a restricted band are noted with a “-”.



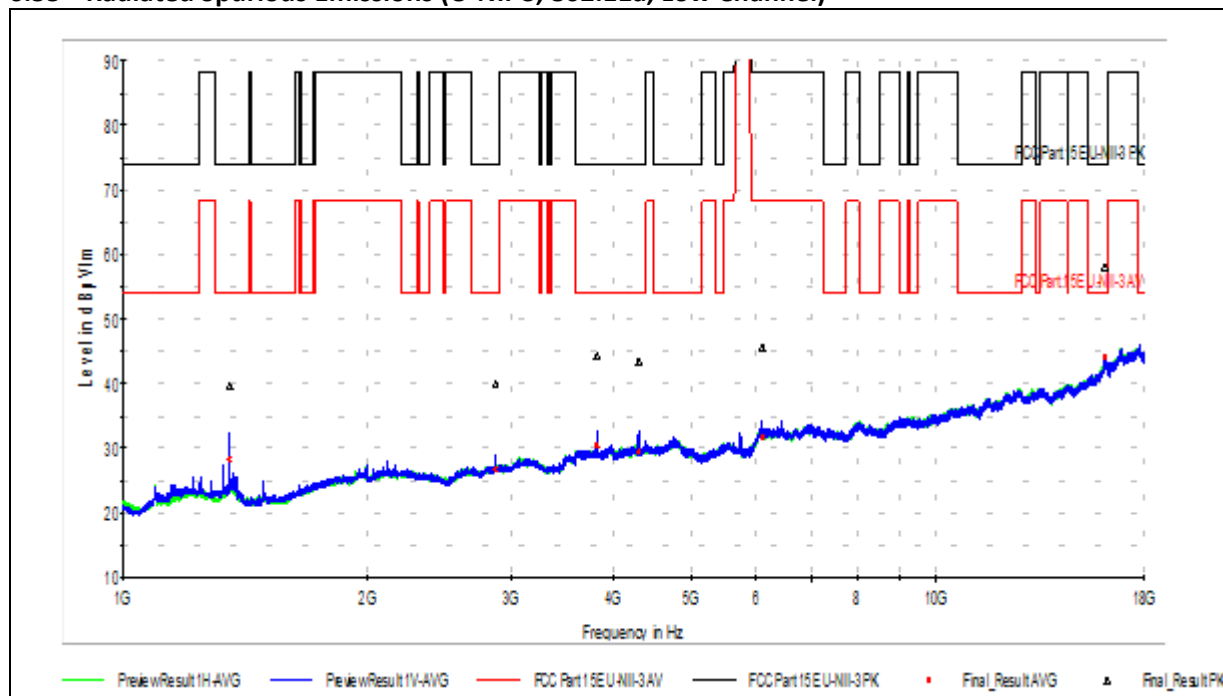
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	37.46	73.98	36.52	1000.000	176.0	V	254.0	-0.3
1720.500000	36.23	73.98	37.75	1000.000	389.0	V	293.0	0.4
3982.000000	51.34	73.98	22.64	1000.000	100.0	V	260.0	7.2
4256.000000	43.26	73.98	30.72	1000.000	100.0	V	257.0	7.6
6130.500000	60.99	88.23	27.24	1000.000	100.0	V	80.0	10.4
16087.000000	56.83	73.98	17.15	1000.000	100.0	V	312.0	26.0

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	25.57	53.98	28.41	1000.000	176.0	V	254.0	-0.3
1720.500000	22.75	53.98	31.23	1000.000	389.0	V	293.0	0.4
3982.000000	28.49	53.98	25.49	1000.000	100.0	V	260.0	7.2
4256.000000	29.04	53.98	24.94	1000.000	100.0	V	257.0	7.6
6130.500000	31.67	68.23	36.56	1000.000	100.0	V	80.0	10.4
16087.000000	43.74	53.98	10.24	1000.000	100.0	V	312.0	26.0



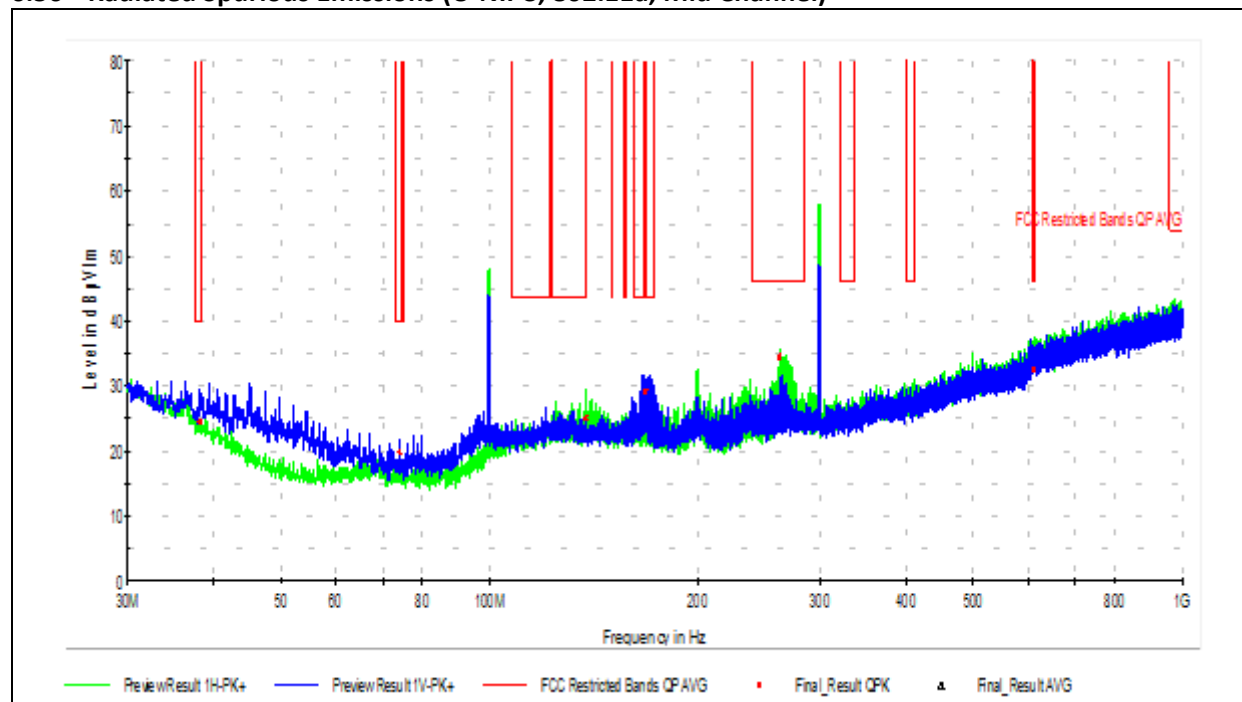
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18282.500000	56.75	73.98	17.23	1000.000	100.0	H	283.0	20.0
22854.500000	53.37	73.98	20.61	1000.000	100.0	V	0.0	6.4
23943.000000	53.98	73.98	20.00	1000.000	100.0	H	124.0	6.2
31535.000000	56.22	73.98	17.76	1000.000	410.0	H	236.0	11.1
36514.500000	55.78	88.23	32.45	1000.000	100.0	H	168.0	11.1

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18282.500000	42.88	53.98	11.10	1000.000	100.0	H	283.0	20.0
22854.500000	40.33	53.98	13.65	1000.000	100.0	V	0.0	6.4
23943.000000	40.54	53.98	13.44	1000.000	100.0	H	124.0	6.2
31535.000000	42.77	53.98	11.21	1000.000	410.0	H	236.0	11.1
36514.500000	42.38	68.23	25.85	1000.000	100.0	H	168.0	11.1

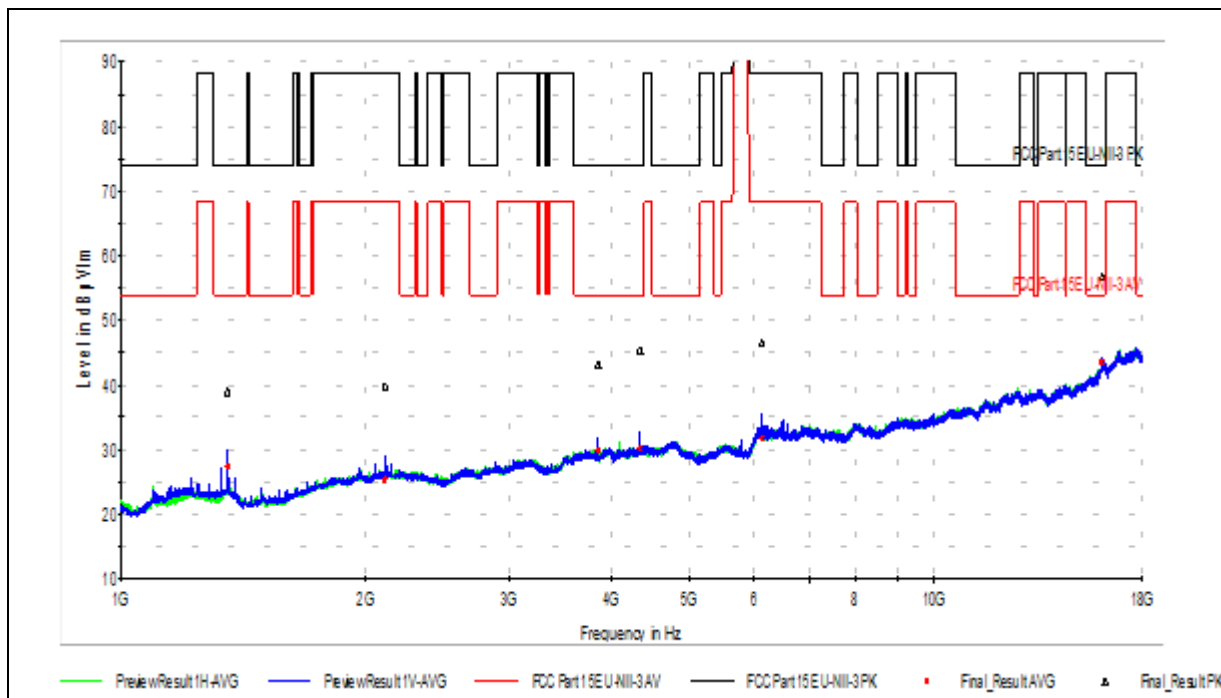
**6.55 Radiated Spurious Emissions (U-NII-3, 802.11a, Low Channel)**

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	39.63	73.98	34.35	1000.000	110.0	V	340.0	-0.3
2872.500000	39.92	73.98	34.06	1000.000	184.0	V	65.0	4.7
3830.000000	44.43	73.98	29.55	1000.000	186.0	V	64.0	6.6
4304.500000	43.38	73.98	30.60	1000.000	204.0	V	57.0	7.6
6109.500000	45.63	88.23	42.60	1000.000	190.0	V	76.0	10.4
16100.000000	58.08	73.98	15.90	1000.000	346.0	H	300.0	26.3

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	28.34	53.98	25.64	1000.000	110.0	V	340.0	-0.3
2872.500000	26.72	53.98	27.26	1000.000	184.0	V	65.0	4.7
3830.000000	30.44	53.98	23.54	1000.000	186.0	V	64.0	6.6
4304.500000	29.47	53.98	24.51	1000.000	204.0	V	57.0	7.6
6109.500000	31.72	68.23	36.51	1000.000	190.0	V	76.0	10.4
16100.000000	44.04	53.98	9.94	1000.000	346.0	H	300.0	26.3

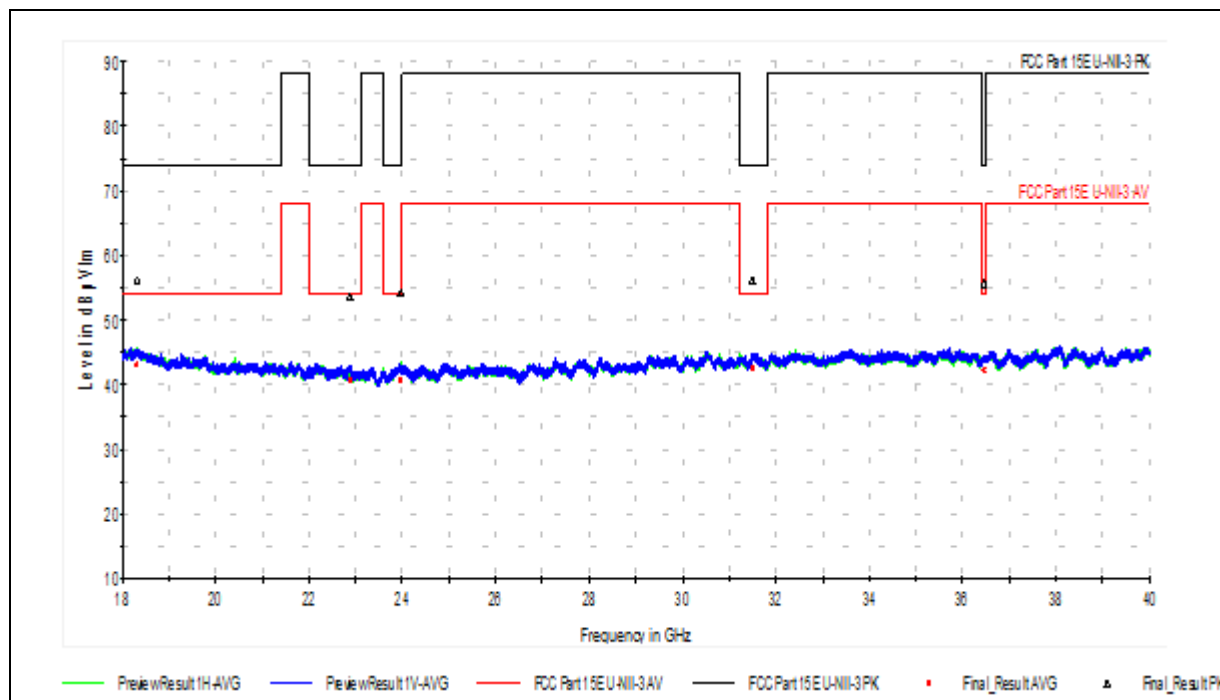
**6.56 Radiated Spurious Emissions (U-NII-3, 802.11a, Mid Channel)**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.137222	24.54	40.00	15.46	120.000	100.6	V	109.0	22.0
74.081111	19.86	40.00	20.14	120.000	105.4	V	164.0	14.9
137.723889	25.08	43.52	18.44	120.000	180.6	H	164.0	21.8
167.901667	29.11	43.52	14.41	120.000	100.2	V	154.0	21.7
262.746111	34.45	46.02	11.57	120.000	106.9	H	117.0	22.9
611.784444	32.36	46.02	13.66	120.000	399.8	H	0.0	32.3



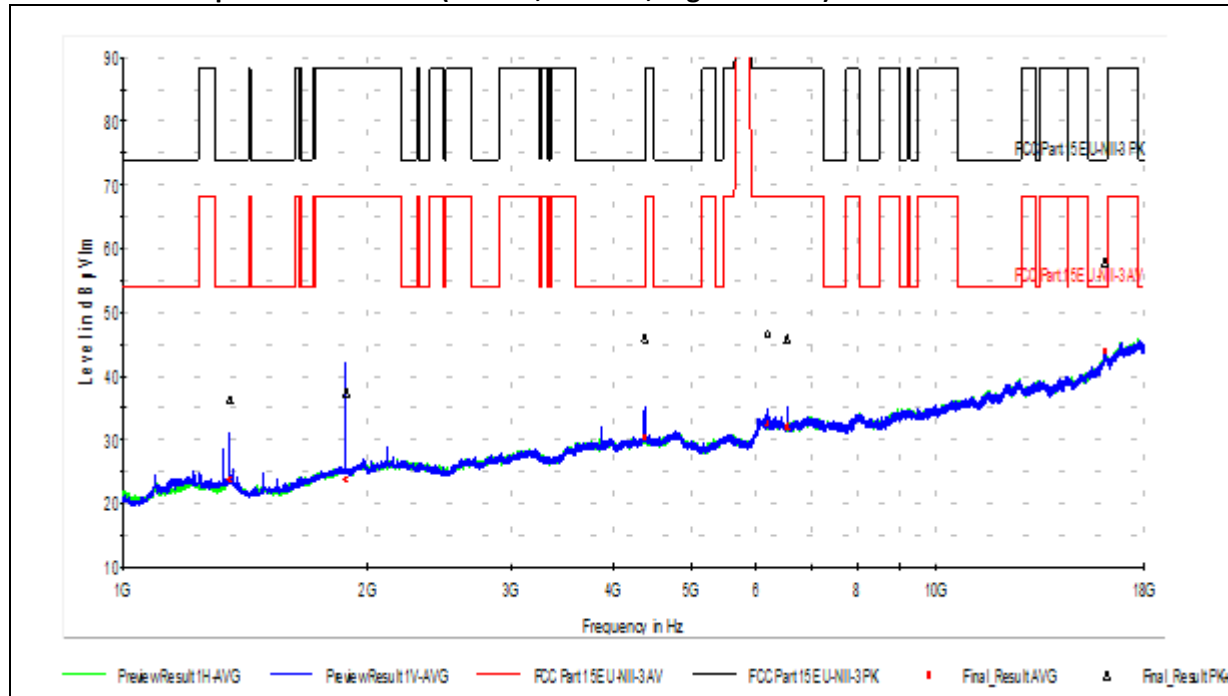
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	38.97	73.98	35.01	1000.000	375.0	V	60.0	-0.3
2116.000000	39.95	88.23	48.28	1000.000	100.0	V	118.0	2.6
3856.500000	43.15	73.98	30.83	1000.000	161.0	V	78.0	6.7
4342.500000	45.47	73.98	28.51	1000.000	256.0	V	88.0	7.6
6142.000000	46.60	88.23	41.63	1000.000	117.0	V	69.0	10.5
16073.500000	56.77	73.98	17.21	1000.000	100.0	V	178.0	25.7

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	27.27	53.98	26.71	1000.000	375.0	V	60.0	-0.3
2116.000000	25.35	68.23	42.88	1000.000	100.0	V	118.0	2.6
3856.500000	29.83	53.98	24.15	1000.000	161.0	V	78.0	6.7
4342.500000	30.15	53.98	23.83	1000.000	256.0	V	88.0	7.6
6142.000000	31.70	68.23	36.53	1000.000	117.0	V	69.0	10.5
16073.500000	43.59	53.98	10.39	1000.000	100.0	V	178.0	25.7



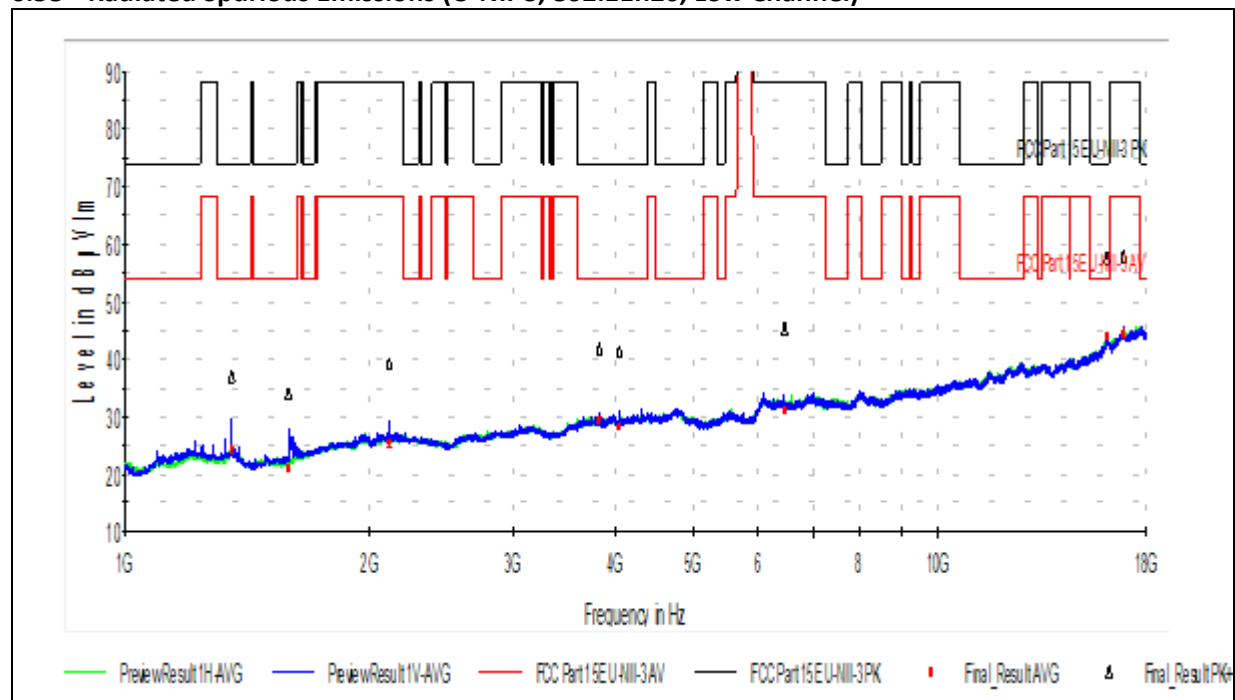
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18305.500000	56.21	73.98	17.77	1000.000	110.0	H	32.0	19.9
22862.000000	53.70	73.98	20.28	1000.000	272.0	V	341.0	6.4
23958.500000	54.34	73.98	19.64	1000.000	100.0	H	86.0	6.3
31490.500000	56.25	73.98	17.73	1000.000	110.0	V	78.0	11.2
36453.500000	55.75	73.98	18.23	1000.000	110.0	V	165.0	11.2

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18305.500000	43.04	53.98	10.94	1000.000	110.0	H	32.0	19.9
22862.000000	40.64	53.98	13.34	1000.000	272.0	V	341.0	6.4
23958.500000	40.61	53.98	13.37	1000.000	100.0	H	86.0	6.3
31490.500000	42.84	53.98	11.14	1000.000	110.0	V	78.0	11.2
36453.500000	42.36	53.98	11.62	1000.000	110.0	V	165.0	11.2

**6.57 Radiated Spurious Emissions (U-NII-3, 802.11a, High Channel)**

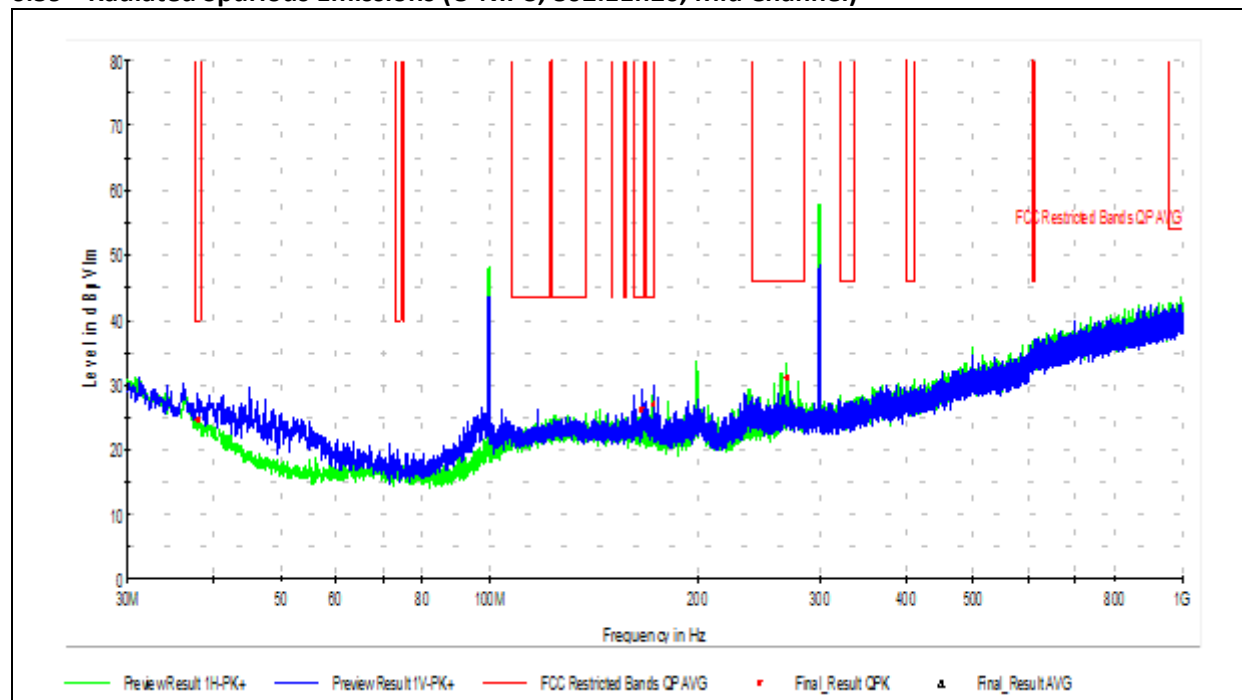
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	36.43	73.98	37.55	1000.000	256.0	V	284.0	-0.3
1881.000000	37.43	88.23	50.80	1000.000	410.0	V	306.0	2.0
4376.500000	46.07	73.98	27.91	1000.000	224.0	V	66.0	7.8
6197.000000	46.69	88.23	41.54	1000.000	100.0	V	76.0	10.6
6546.000000	45.93	88.23	42.30	1000.000	196.0	V	91.0	10.8
16095.500000	57.99	73.98	15.99	1000.000	355.0	H	65.0	26.2

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	23.85	53.98	30.13	1000.000	256.0	V	284.0	-0.3
1881.000000	23.80	68.23	44.43	1000.000	410.0	V	306.0	2.0
4376.500000	30.29	53.98	23.69	1000.000	224.0	V	66.0	7.8
6197.000000	32.35	68.23	35.88	1000.000	100.0	V	76.0	10.6
6546.000000	32.00	68.23	36.23	1000.000	196.0	V	91.0	10.8
16095.500000	43.92	53.98	10.06	1000.000	355.0	H	65.0	26.2

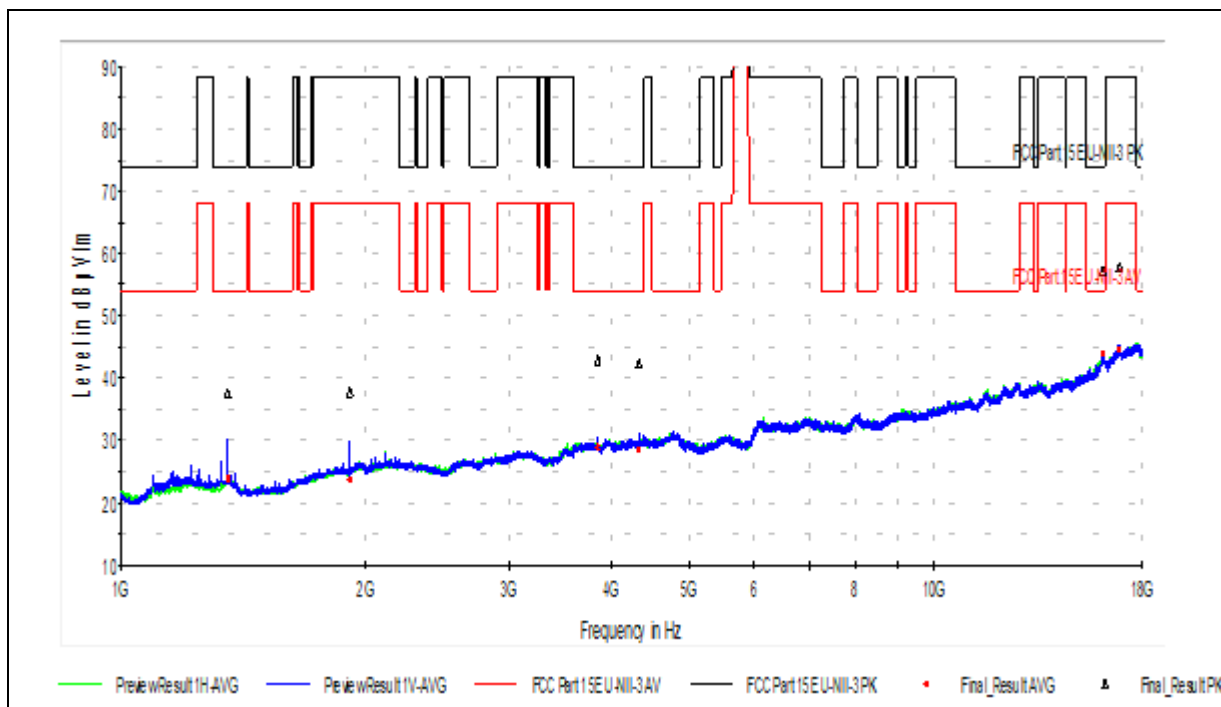
**6.58 Radiated Spurious Emissions (U-NII-3, 802.11n20, Low Channel)**

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	37.11	73.98	36.87	1000.000	375.0	V	42.0	-0.3
1589.000000	33.97	73.98	40.01	1000.000	378.0	V	318.0	-1.1
2115.500000	39.41	88.23	48.82	1000.000	275.0	V	109.0	2.6
3830.000000	41.89	73.98	32.09	1000.000	397.0	V	78.0	6.6
4053.000000	41.31	73.98	32.67	1000.000	100.0	V	168.0	7.1
6470.000000	45.28	88.23	42.95	1000.000	100.0	V	97.0	11.1
16097.500000	57.72	73.98	16.26	1000.000	393.0	H	206.0	26.2
16856.500000	57.78	88.23	30.45	1000.000	410.0	V	328.0	26.1

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	24.10	53.98	29.88	1000.000	375.0	V	42.0	-0.3
1589.000000	20.86	53.98	33.12	1000.000	378.0	V	318.0	-1.1
2115.500000	25.15	68.23	43.08	1000.000	275.0	V	109.0	2.6
3830.000000	29.31	53.98	24.67	1000.000	397.0	V	78.0	6.6
4053.000000	28.15	53.98	25.83	1000.000	100.0	V	168.0	7.1
6470.000000	31.19	68.23	37.04	1000.000	100.0	V	97.0	11.1
16097.500000	44.00	53.98	9.98	1000.000	393.0	H	206.0	26.2
16856.500000	44.59	68.23	23.64	1000.000	410.0	V	328.0	26.1

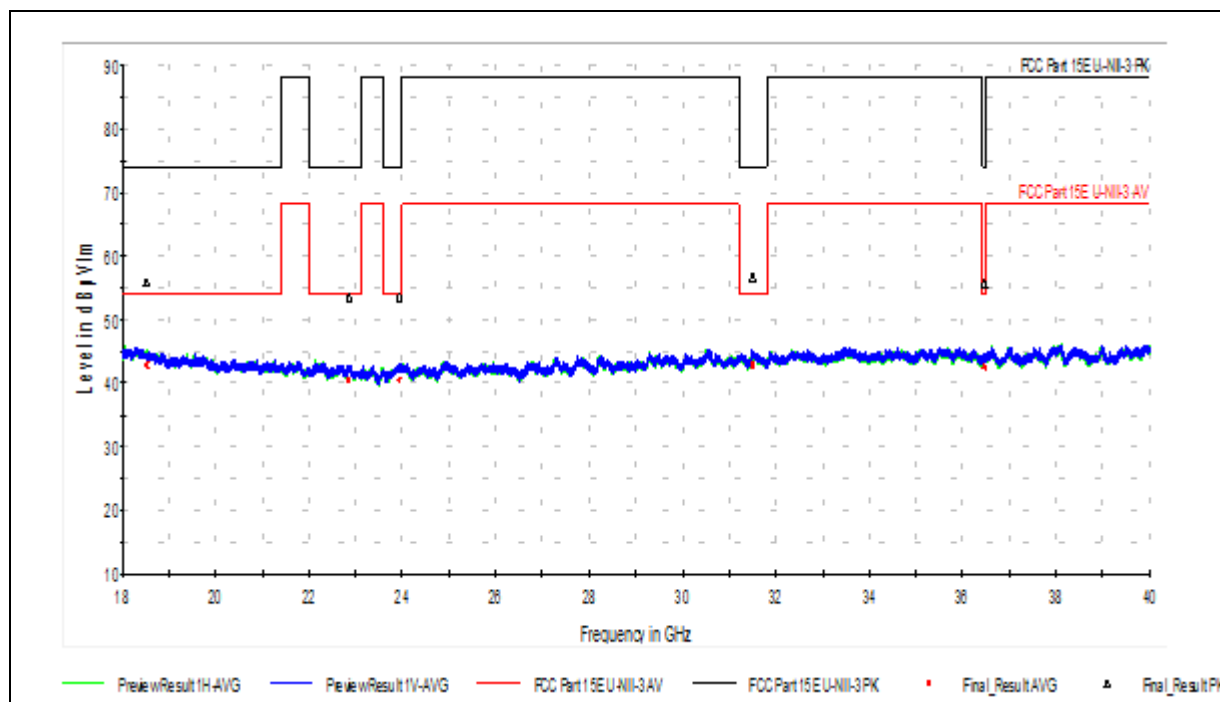
**6.59 Radiated Spurious Emissions (U-NII-3, 802.11n20, Mid Channel)**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.867778	24.73	40.00	15.27	120.000	100.0	V	139.0	22.2
165.584445	26.09	43.52	17.43	120.000	99.7	V	154.0	21.6
172.536111	26.87	43.52	16.65	120.000	105.2	V	185.0	21.3
268.727778	31.18	46.02	14.84	120.000	99.9	H	109.0	23.5



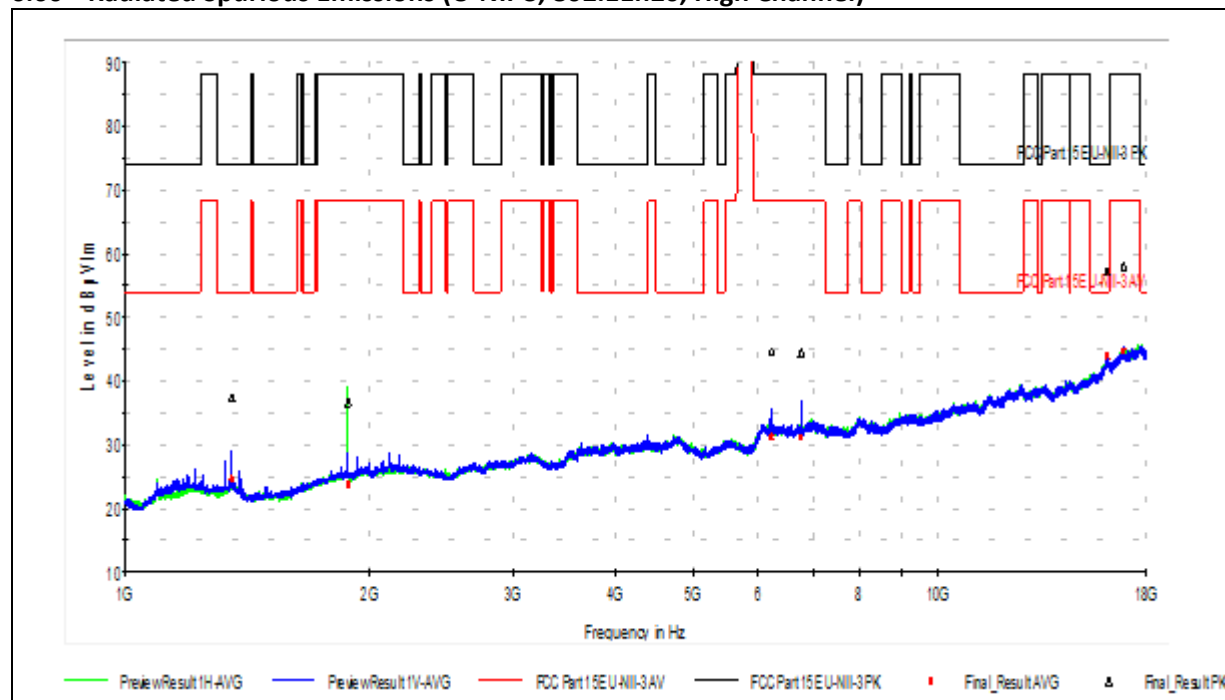
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	37.50	73.98	36.48	1000.000	351.0	V	254.0	-0.3
1914.500000	37.79	88.23	50.44	1000.000	410.0	V	311.0	2.1
3856.500000	42.97	73.98	31.01	1000.000	178.0	V	84.0	6.7
4338.500000	42.40	73.98	31.58	1000.000	100.0	V	269.0	7.6
16097.500000	57.30	73.98	16.68	1000.000	151.0	H	160.0	26.2
16854.000000	57.76	88.23	30.47	1000.000	100.0	V	334.0	26.1

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	23.96	53.98	30.02	1000.000	351.0	V	254.0	-0.3
1914.500000	23.78	68.23	44.45	1000.000	410.0	V	311.0	2.1
3856.500000	28.86	53.98	25.12	1000.000	178.0	V	84.0	6.7
4338.500000	28.49	53.98	25.49	1000.000	100.0	V	269.0	7.6
16097.500000	43.97	53.98	10.01	1000.000	151.0	H	160.0	26.2
16854.000000	44.58	68.23	23.65	1000.000	100.0	V	334.0	26.1



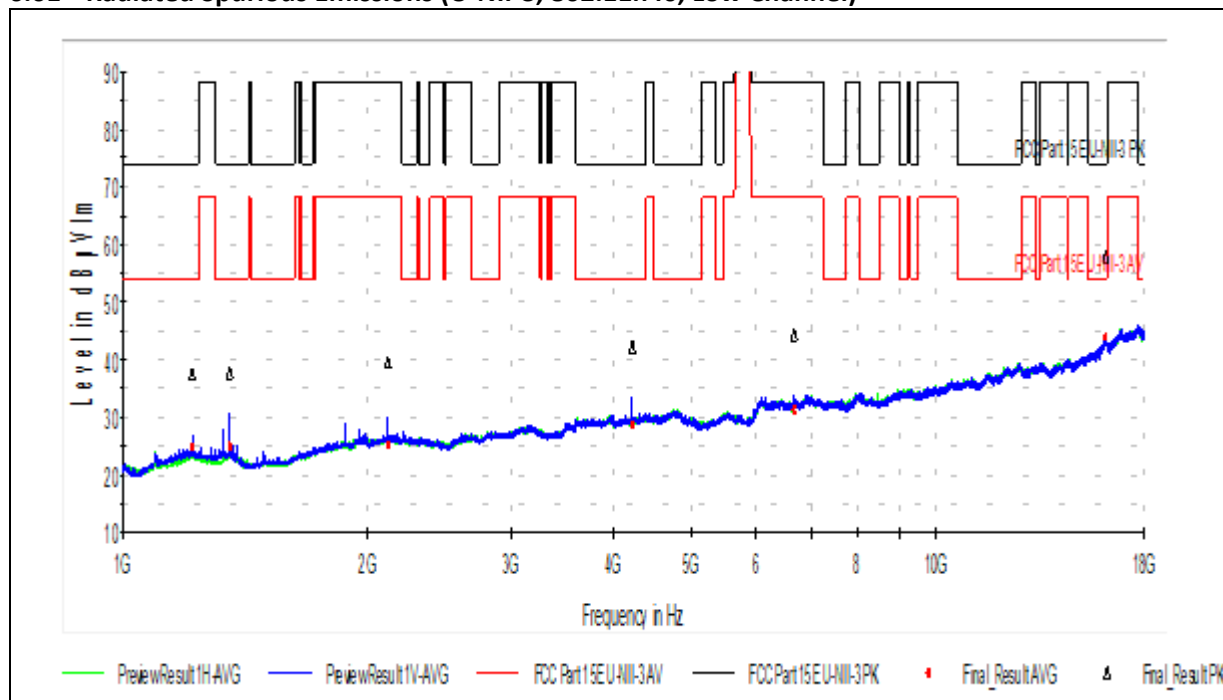
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18508.500000	55.90	73.98	18.08	1000.000	100.0	H	57.0	18.9
22857.000000	53.68	73.98	20.30	1000.000	100.0	V	113.0	6.4
23925.500000	53.56	73.98	20.42	1000.000	410.0	V	325.0	6.1
31497.500000	56.73	73.98	17.25	1000.000	258.0	V	219.0	11.2
36461.500000	55.76	73.98	18.22	1000.000	100.0	V	313.0	11.2

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18508.500000	42.88	53.98	11.10	1000.000	100.0	H	57.0	18.9
22857.000000	40.41	53.98	13.57	1000.000	100.0	V	113.0	6.4
23925.500000	40.46	53.98	13.52	1000.000	410.0	V	325.0	6.1
31497.500000	42.96	53.98	11.02	1000.000	258.0	V	219.0	11.2
36461.500000	42.47	53.98	11.51	1000.000	100.0	V	313.0	11.2

**6.60 Radiated Spurious Emissions (U-NII-3, 802.11n20, High Channel)**

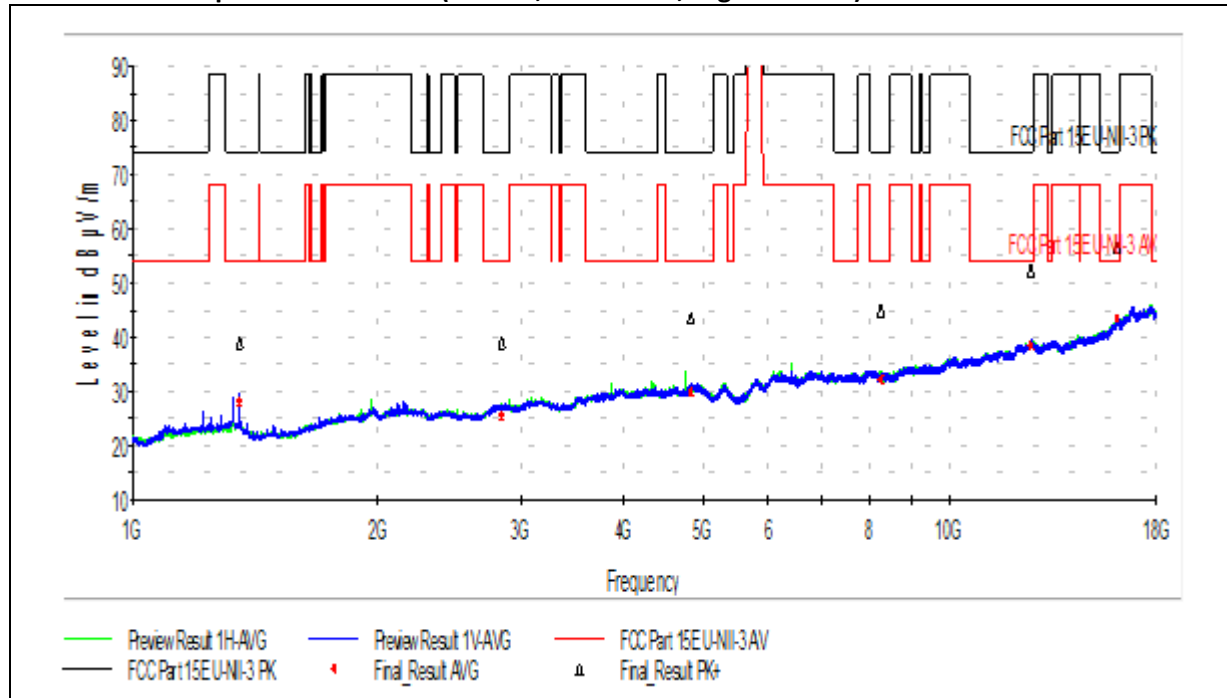
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	37.49	73.98	36.49	1000.000	321.0	H	0.0	-0.3
1881.500000	36.70	88.23	51.53	1000.000	410.0	H	184.0	2.0
6238.500000	44.63	88.23	43.60	1000.000	100.0	V	80.0	10.7
6781.500000	44.51	88.23	43.72	1000.000	410.0	V	266.0	10.9
16103.000000	57.25	73.98	16.73	1000.000	410.0	H	139.0	26.2
16870.500000	58.09	88.23	30.14	1000.000	410.0	V	332.0	26.1

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.000000	24.58	53.98	29.40	1000.000	321.0	H	0.0	-0.3
1881.500000	23.82	68.23	44.41	1000.000	410.0	H	184.0	2.0
6238.500000	31.19	68.23	37.04	1000.000	100.0	V	80.0	10.7
6781.500000	31.16	68.23	37.07	1000.000	410.0	V	266.0	10.9
16103.000000	43.96	53.98	10.02	1000.000	410.0	H	139.0	26.2
16870.500000	44.66	68.23	23.57	1000.000	410.0	V	332.0	26.1

**6.61 Radiated Spurious Emissions (U-NII-3, 802.11n40, Low Channel)**

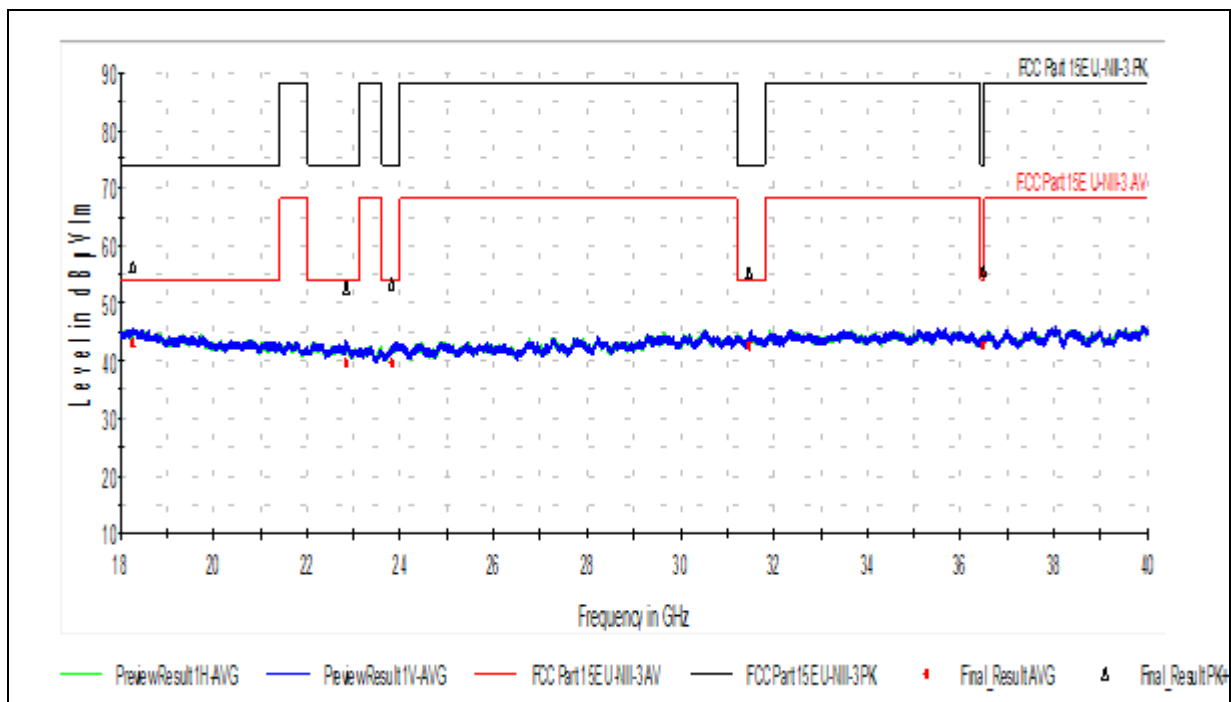
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1219.000000	37.56	73.98	36.42	1000.000	306.0	V	319.0	-1.1
1354.000000	37.70	73.98	36.28	1000.000	395.0	V	293.0	-0.3
2116.500000	39.70	88.23	48.53	1000.000	177.0	V	82.0	2.6
4232.000000	42.31	73.98	31.67	1000.000	100.0	V	258.0	7.6
6683.000000	44.34	88.23	43.89	1000.000	109.0	V	175.0	11.1
16118.000000	57.95	73.98	16.03	1000.000	100.0	V	331.0	25.8

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1219.000000	24.93	53.98	29.05	1000.000	306.0	V	319.0	-1.1
1354.000000	24.99	53.98	28.99	1000.000	395.0	V	293.0	-0.3
2116.500000	25.19	68.23	43.04	1000.000	177.0	V	82.0	2.6
4232.000000	28.72	53.98	25.26	1000.000	100.0	V	258.0	7.6
6683.000000	31.23	68.23	37.00	1000.000	109.0	V	175.0	11.1
16118.000000	43.80	53.98	10.18	1000.000	100.0	V	331.0	25.8

**6.62 Radiated Spurious Emissions (U-NII-3, 802.11n40, High Channel)**

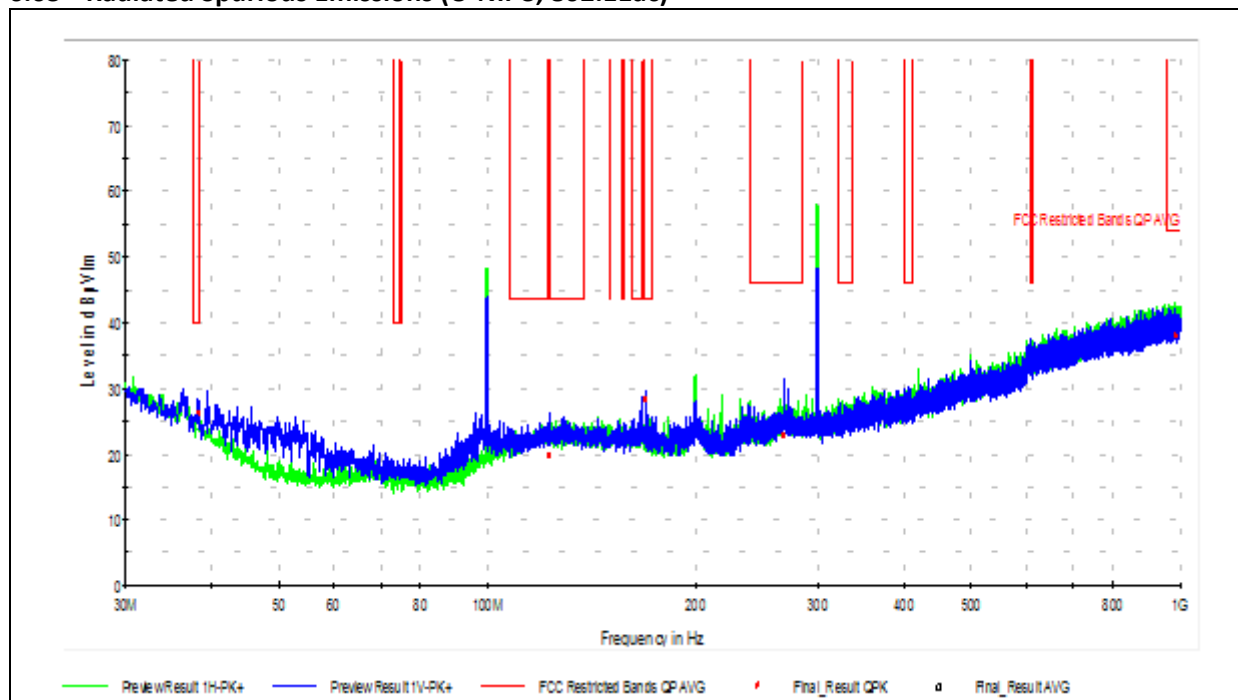
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	38.91	73.98	35.07	1000.000	168.0	V	56.0	-0.3
2838.000000	38.97	73.98	35.01	1000.000	410.0	H	280.0	4.5
4834.000000	43.48	73.98	30.50	1000.000	100.0	V	169.0	8.3
8271.500000	45.02	73.98	28.96	1000.000	159.0	H	86.0	12.6
12621.000000	52.13	73.98	21.85	1000.000	410.0	V	331.0	19.1
16058.500000	56.53	73.98	17.45	1000.000	410.0	V	280.0	25.3

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1354.500000	27.86	53.98	26.12	1000.000	168.0	V	56.0	-0.3
2838.000000	25.41	53.98	28.57	1000.000	410.0	H	280.0	4.5
4834.000000	29.78	53.98	24.20	1000.000	100.0	V	169.0	8.3
8271.500000	32.09	53.98	21.89	1000.000	159.0	H	86.0	12.6
12621.000000	38.42	53.98	15.56	1000.000	410.0	V	331.0	19.1
16058.500000	43.46	53.98	10.52	1000.000	410.0	V	280.0	25.3



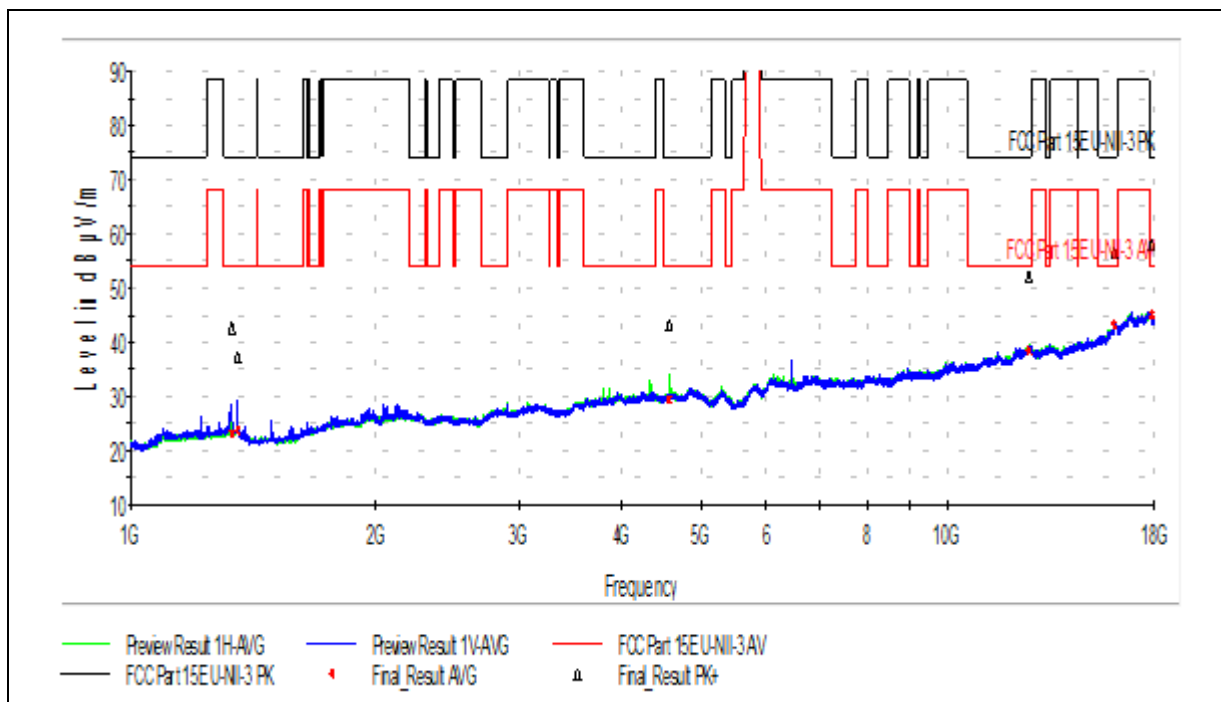
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18268.500000	56.42	73.98	17.56	1000.000	100.0	V	42.0	20.2
22840.500000	52.71	73.98	21.27	1000.000	100.0	V	153.0	6.3
23814.500000	53.50	73.98	20.48	1000.000	100.0	H	36.0	6.3
31469.000000	55.46	73.98	18.52	1000.000	100.0	V	78.0	11.0
36481.000000	55.67	73.98	18.31	1000.000	100.0	H	92.0	11.2

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18268.500000	42.94	53.98	11.04	1000.000	100.0	V	42.0	20.2
22840.500000	39.70	53.98	14.28	1000.000	100.0	V	153.0	6.3
23814.500000	39.63	53.98	14.35	1000.000	100.0	H	36.0	6.3
31469.000000	42.41	53.98	11.57	1000.000	100.0	V	78.0	11.0
36481.000000	42.44	53.98	11.54	1000.000	100.0	H	92.0	11.2

**6.63 Radiated Spurious Emissions (U-NII-3, 802.11ac)**

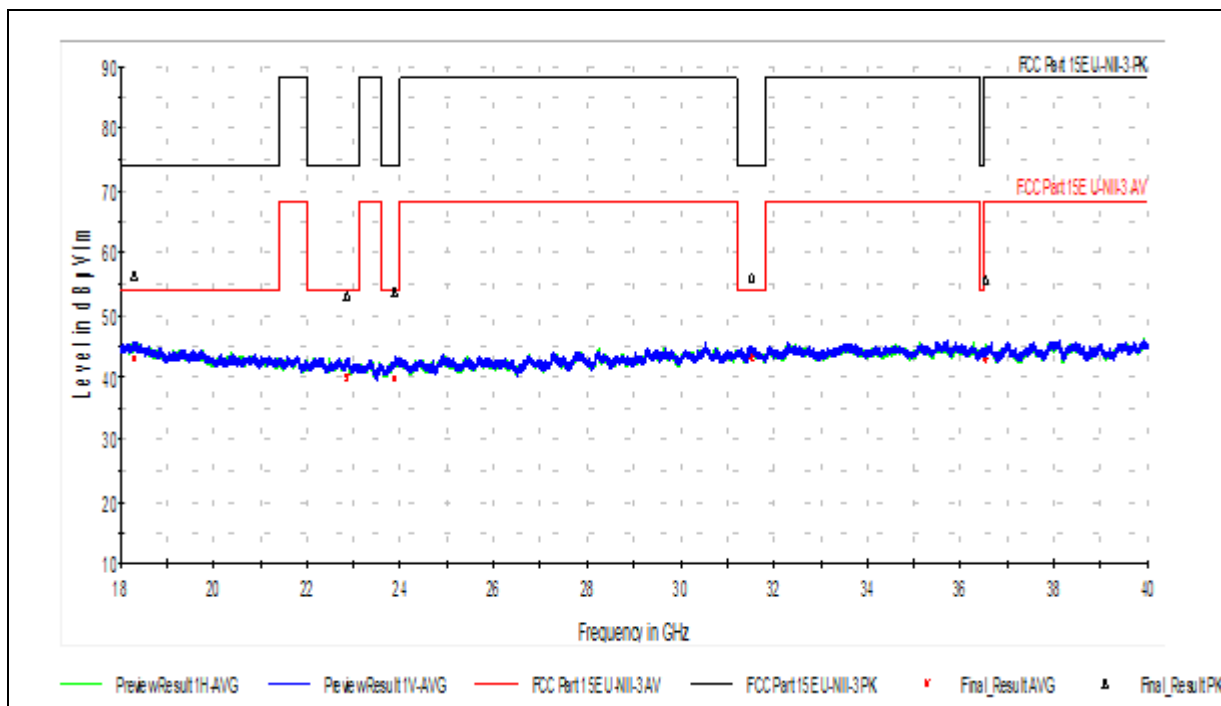
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.191111	26.43	40.00	13.57	120.000	100.2	V	108.0	21.9
122.850556	19.74	-	-	120.000	106.4	V	127.0	22.4
169.087222	28.37	43.52	15.15	120.000	99.8	V	162.0	21.6
267.488333	22.92	46.02	23.10	120.000	105.4	V	90.0	23.2
986.150556	38.05	53.98	15.93	120.000	107.1	H	175.0	37.9

Note: emissions that do not fall in a restricted band are noted with a “-”.



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1332.000000	42.62	73.98	31.36	1000.000	237.0	V	292.0	-0.3
1354.000000	37.21	73.98	36.77	1000.000	204.0	V	317.0	-0.3
4573.500000	43.14	73.98	30.84	1000.000	100.0	H	227.0	8.1
12620.000000	52.08	73.98	21.90	1000.000	410.0	H	256.0	19.2
16050.000000	56.55	73.98	17.43	1000.000	410.0	H	243.0	25.2
17819.000000	57.85	73.98	16.13	1000.000	410.0	H	192.0	26.4

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1332.000000	23.05	53.98	30.93	1000.000	237.0	V	292.0	-0.3
1354.000000	23.49	53.98	30.49	1000.000	204.0	V	317.0	-0.3
4573.500000	29.15	53.98	24.83	1000.000	100.0	H	227.0	8.1
12620.000000	38.51	53.98	15.47	1000.000	410.0	H	256.0	19.2
16050.000000	43.33	53.98	10.65	1000.000	410.0	H	243.0	25.2
17819.000000	44.81	53.98	9.17	1000.000	410.0	H	192.0	26.4



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18299.500000	56.31	73.98	17.67	1000.000	100.0	H	129.0	19.9
22846.000000	53.16	73.98	20.82	1000.000	100.0	H	56.0	6.2
23876.500000	53.71	73.98	20.27	1000.000	100.0	V	0.0	6.0
31525.000000	56.23	73.98	17.75	1000.000	100.0	V	303.0	11.2
36535.000000	55.83	88.23	32.40	1000.000	100.0	H	35.0	11.1

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
18299.500000	42.97	53.98	11.01	1000.000	100.0	H	129.0	19.9
22846.000000	40.02	53.98	13.96	1000.000	100.0	H	56.0	6.2
23876.500000	39.87	53.98	14.11	1000.000	100.0	V	0.0	6.0
31525.000000	42.99	53.98	10.99	1000.000	100.0	V	303.0	11.2
36535.000000	42.53	68.23	25.70	1000.000	100.0	H	35.0	11.1



7 Revision History

Revision Level	Date	Report Number	Prepared By	Reviewed By	Notes
0	3/27/2020	104056598LEX-004	MC	BCT	Original Issue
1	5/20/2020	104056598LEX-004.1	MC	BCT	Added a photo of the antenna and made some additional editorial corrections.
2	11/18/2020	104056598LEX-004.2B	MC	BCT	Updated contact info. Listed RSS-247 on the cover page.
3	4/12/2021	104056598LEX-004.3B	MC	BCT	Added a note under the test summary on page 4 explaining the engineering judgements used for not performing conducted output power and band edge measurements.