

ISED CABid: ES1909

Lab. Company Number: 4621A

Test Report No:

83206RRF.006A2

Partial Test Report

USA FCC Part 15.407, 15.209

CANADA RSS-247, RSS-Gen

(*) Identification of item tested	Central In-Vehicle Infotainment Computer
(*) Trademark	BOSCH
(*) Model and /or type reference	MBCI2LS2PR1
Other identification of the product	FCC ID: 2AUXS-MBCI2LS3PR2 IC: 25847-MBCI2LS3PR1
(*) Features	AM/FM/DAB/SIRIUS, GNSS, 2.4/5GHz WLAN, Bluetooth 5.1, Video/Audio HW version: D22 SW version: E30.6
Applicant	Robert Bosch GmbH Robert-Bosch-Strasse 200 31139, Hildesheim, GERMANY
Test method requested, standard	USA FCC Part 15.407 (10-1-23) Edition: Unlicensed National Information Infrastructure (U-NII) Devices. General technical requirements. USA FCC Part 15.209 (10-1-23) Edition: Radiated emission limits; general requirements. CANADA RSS-247 Issue 3 (August 2023). CANADA RSS-Gen Issue 5 Amendment 2 (February 2021). Guidance for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices 789033 D02 General U-NII Test Procedures New Rules v02r01 dated Dec 14, 2017. ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.
Approved by (name / position & signature)	José Manuel Gómez Galván EMC Consumer & RF Lab. Manager
Date of issue	2025-09-03
Report template No	FDT08_25 (*) "Data provided by the client"

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Acronyms

Acronym ID	Acronym Description
Detector	Detector used
Freq	Frequency
Freq Rng	Frequency Range
MP	Measurement Point
Mod	Modulation
Mode	MIMO Mode
Operation Band	Operation Band
Pol	Polarization
Port	Active Port
Unwanted Freq	Unwanted Emissions Frequency
Unwanted Lvl	Unwanted Emissions Level

Competences and guarantees

DEKRA Testing and Certification S.A.U. is a testing laboratory accredited by the National Accreditation Body (ENAC -Entidad Nacional de Acreditación), to perform the tests indicated in the Certificate No. 51/LE 147.

DEKRA Testing and Certification S.A.U. is an FCC-recognized accredited testing laboratory with appropriate scope of accreditation that covers the performed tests in this report.

DEKRA Testing and Certification S.A.U. is an ISED-recognized accredited testing laboratory, CABid: ES1909, Company Number: 4621A, with the appropriate scope of accreditation that covers the performed tests in this report.

In order to assure the traceability to other national and international laboratories, DEKRA Testing and Certification S.A.U. has a calibration and maintenance program for its measurement equipment.

DEKRA Testing and Certification S.A.U. guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at DEKRA Testing and Certification S.A.U. at the time of performance of the test.

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4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA Testing and Certification S.A.U. and the Accreditation Bodies.

Uncertainty

Uncertainty (factor $k=2$) was calculated according to the DEKRA Testing and Certification S.A.U. internal document PODT000.

The total uncertainty of the measurement system for the radiated emissions of EUT from 30 MHz to 1 GHz is:
Measurement uncertainty $\leq \pm 5,35$ dB with factor ($k = 2$).

The total uncertainty of the measurement system for the radiated emissions of EUT from 1 GHz to 17 GHz is:
Measurement uncertainty $\leq \pm 4,32$ dB with factor ($k = 2$).

The total uncertainty of the measurement system for the radiated emissions of EUT from 17 GHz to 40 GHz is:
Measurement uncertainty $\leq \pm 5,55$ dB with factor ($k = 2$).

Data provided by the client

The following data has been provided by the client:

1. Information relating to the description of the sample ("Identification of the item tested", "Trademark", "Model and/or type reference tested").
2. The sample consists of a Central In-Vehicle Infotainment Computer, including WLAN/ Bluetooth, GPS, AM/FM/DAB receiver.

DEKRA Testing and Certification S.A.U. declines any responsibility with respect to the information provided by the client and that may affect the validity of results. The laboratory is not responsible for such information and it is not covered by accreditation.

Usage of samples

Samples undergoing test have been selected by: The client.

Id	Control Number	Description	Model	Serial N°	Date of Reception	Application
S/01	82544C_2.1	Headunit A- PREMIUM ROW	MBCI2LS3PR1	0769006	2025-05-13	Element Under Test
	76719D_81.1	Antenna	A1779052902/002		2024-04-17	Auxiliary Element
	76719D_83.1	Antenna	A1779052902/002		2024-04-17	Auxiliary Element
	76719D_87.1	Antenna	A1779052902/002		2024-04-17	Auxiliary Element
	76719D_89.1	Antenna	A1779052902/002		2024-04-17	Auxiliary Element
	76719D_9.1	Fakra - 4 Fakra Cable			2024-04-04	Auxiliary Element
	80633C_4.1	Ethernet- CAN interface	VN5610A		2024-12-18	Auxiliary Element
	80633C_9.1	Harness			2024-12-18	Auxiliary Element
	82341B_13.1	Fakra Cable			2025-04-09	Auxiliary Element

Notes referenced to samples during the project:

Id	Type
S/01	Sample used for Radiated testing

Test sample description

Ports..... :	Port name and description	Cable					
		Specified max length [m]	Attached during test		Shielded		
	Main Connector	2m	[X]		[]		
	Main Connector	2m	[X]		[]		
	Fakra Quad Connector AM/FM/DAB Fakra Single Connector GPS		[X]		[X]		
Fakra Quad Connector WLAN/BT		[X]		[X]			
Supplementary information to the ports..... :	--						
Rated power supply	Voltage and Frequency		Reference poles				
			L1	L2	L3	N	PE
	[]	AC:					
	[X]	DC: 9-16V nominal 12 VDC by vehicle battery					
Rated Power	--						
Clock frequencies..... :	--						
Other parameters							
Software version	E030.5						
Hardware version	D22						
Dimensions in cm (W x H x D) :							
Mounting position	[]	Table top equipment					
	[]	Wall/Ceiling mounted equipment					
	[]	Floor standing equipment					
	[]	Hand-held equipment					
	[X]	Other: Cluster in the car					
Modules/parts..... :	Module/parts of test item		Type		Manufacturer		
	--						
Accessories (not part of the test item)	Description		Type		Manufacturer		
	Antennas						
	HUD						
	SA2 Panel						
	Cameras						
Documents as provided by the applicant..... :	Description		File name		Issue date		
	--						

⁽³⁾ Only for Medical Equipment

Identification of the client

Robert Bosch GmbH
Robert-Bosch-Strasse 200, 31139 Hildesheim
Germany

Testing period and place

Test Location	DEKRA Testing and Certification S.A.U.
Date (start)	2025-06-14
Date (finish)	2025-07-02

Document history

Report number	Date	Description
83206RRF.006	2025-08-14	First release.
83206RRF.006A1	2025-09-02	Second release. This report was modified to include a spot check of RF Maximum Output Power test. This report replaces 83206RRF006
83206RRF.006A2	2025-09-03	Third release. This report was modified update the FCC ID. This report replaces 83206RRF006A1

Environmental conditions

In the control chamber, the following limits were not exceeded during the test:

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 20 % Max. = 75 %

In the semianechoic chamber, the following limits were not exceeded during the test.

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 20 % Max. = 75 %

Remarks and comments

The tests have been performed by the technical personnel: Aitana Díaz Lagares, Pablo Redondo Reyes, Álvaro Gutiérrez Naranjo, Valentin Andarias Diaz.

Used instrumentation:

Control No.	Equipment	Model	Manufacturer	Next Calibration
06791	SEMIANECHOIC ABSORBER LINED CHAMBER IV	FACT 3 200 STP	ETS LINDGREN	N/A
06792	SHIELDED ROOM	S101	ETS LINDGREN	N/A
06609	ETHERNET TEMPERATURE AND HUMIDITY LOGGER	HWg-STE	HW GROUP	2026-04-21
06615	ETHERNET TEMPERATURE AND HUMIDITY LOGGER	HWg-STE	HW GROUP	2026-04-24
06143	HYBRID BILOG ANTENNA 30MHz-6GHz	3142E	ETS LINDGREN	2027-01-22
06142	PRE-AMPLIFIER G>38dB 30MHz-6GHz	BLNA 0360-01N	BONN ELEKTRONIK	2025-07-25
06496	HORN ANTENNA 1-18GHz	BBHA 9120 D	SCHWARZBECK	2026-12-01
03783	PRE-AMPLIFIER G>30dB 1GHz-18GHz	BLMA 0118-3A	BONN ELEKTRONIK	2026-03-17
04657	HORN ANTENNA 18-40GHz	BBHA 9170	SCHWARZBECK	2026-06-12
10537	PRE-AMPLIFIER G>46dB 18-40 GHz	BLMA 1840-5G	BONN ELEKTRONIK	2026-03-07
07817	EMI TEST RECEIVER 2Hz-44GHz	ESW44	ROHDE AND SCHWARZ	2026-07-01
07445	DC POWER SUPPLY 30V/5A	U8002A	KEYSIGHT TECHNOLOGIES	N/A
07760	DIGITAL MULTIMETER	175	FLUKE	2025-11-07
04848	SOFTWARE FOR EMC/RF TESTING	EMC32	ROHDE AND SCHWARZ	N/A

Testing verdicts

Fail	F
Inconclusive	I
Not applicable	N/A
Not measured	N/M
Pass	P

Summary

U-NII-1: 5.15 GHz - 5.25 GHz Band:

FCC PART 15 PARAGRAPH / RSS-247			
Requirement – Test case		Verdict	Remark
FCC 15.407 (a)(1)(iv)	Transmitter Maximum Conducted Output Power	N/M	(1)
RSS-247 6.2.1.1	Transmitter Maximum Equivalent Isotropically Radiated Power EIRP	P*	(3)
FCC 15.407 (a)(1)(iv)	Transmitter Maximum Power Spectral Density	N/M	(1)
RSS-247 6.2.1.1	Transmitter EIRP Spectral Density	N/M	(1)
FCC 15.407 (b)(1)(6) / RSS-247 6.2.1.2	Transmitter Out of Band Radiated Emissions	P	--
FCC 15.407 (b)(1) / RSS-247 6.2.1.2	Transmitter Band Edge Radiated Emissions	P	(2)
<u>Supplementary information and remarks:</u> (1) Test not requested. (2) Only the worst-case channel and modulation is measured. (3) Spot-check was requested for worst channel and mode.			

U-NII-3: 5.725 GHz - 5.85 GHz Band:

FCC PART 15			
Requirement – Test case		Verdict	Remark
FCC 15.407 (e) / RSS-247 7.3.4.2	6 dB Bandwidth.	N/M	(1)
FCC 15.407 (a)(3) / RSS-247 7.3.4.3	Transmitter Maximum conducted Output Power	P*	(3)
FCC 15.407 (a)(3) / RSS-247 7.3.4.3	Transmitter Maximum Power Spectral Density	N/M	(1)
FCC 15.407 (b) (4) / RSS-247 7.3.5.4	Transmitter Band Edge Radiated Emissions	P	--
FCC 15.407 (b) (4) (6) / RSS-247 7.3.4.4	Transmitter Out of Band Radiated Emissions	P	(2)
<u>Supplementary information and remarks:</u> (1) Test not requested. (2) Only the worst-case channel and modulation is measured. (3) Spot-check was requested for worst channel and mode.			

TEST CONDITIONS

(*): Data provided by the client.

POWER SUPPLY (*):

Vnominal:	12Vdc
Type of Power Supply:	External power supply (vehicle battery)

ANTENNA (*):

Type of Antennas:	External antenna
Maximum Declared Antenna Gain:	+5 dBi

U-NII-1 & U-NII-3:

TEST FREQUENCIES (*):

Technology Tested:	WLAN (IEEE 802.11 a20 / n2040 / ac204080 2x2)
Modes:	802.11a: 6, 9, 12, 18, 24, 36, 48 & 54 Mbps
	802.11n HT20: MCS0 to MCS23
	802.11n HT40: MCS0 to MCS23
	802.11ac VHT20: MCS0 to MCS9
	802.11ac VHT40: MCS0 to MCS9
	802.11ac VHT80: MCS0 to MCS9
	802.11ax HE20: MCS0 to MCS11
	802.11ax HE40: MCS0 to MCS11
	802.11ax HE80: MCS0 to MCS11
Beamforming:	No.

Band U-NII-1:

All modes except AX modes:

Operating Channel Bandwidth:	20 MHz	
Transmission Channels:	Channels	Channel Frequency (MHz)
	Low (36)	5180
	Middle (40)	5200
	Middle (44)	5220
	High (48)	5240
Operating Channel Bandwidth:	40 MHz	
Transmission Channels:	Channels	Channel Frequency (MHz)
	Low (38)	5190
	High (46)	5230
Operating Channel Bandwidth:	80 MHz	
Transmission Channels:	Channels	Channel Frequency (MHz)
	Single (42)	5210

AX modes:

Operating Channel Bandwidth:	20 MHz	
Transmission Channels:	Channels	Channel Frequency (MHz)
	Low (36)	5180
	Middle (40)	5200
	Middle (44)	5220
	High (48)	5240
Operating Channel Bandwidth:	40 MHz	
Transmission Channels:	Channels	Channel Frequency (MHz)
	Low (38)	5190
	High (46)	5230
Operating Channel Bandwidth:	80 MHz	
Transmission Channels:	Channels	Channel Frequency (MHz)
	Single (42)	5210

Band U-NII-3:

All modes except AX modes:

Operating Channel Bandwidth:	20 MHz	
Transmission Channels:	Channels	Channel Frequency (MHz)
	Low (149)	5745
	Middle (157)	5785
	High (165)	5825
Operating Channel Bandwidth:	40 MHz	
Transmission Channels:	Channel	Channel Frequency (MHz)
	Low (151)	5755
	High (159)	5795
Operating Channel Bandwidth:	80 MHz	
Transmission Channels:	Channel	Channel Frequency (MHz)
	Single (155)	5775

AX modes:

Operating Channel Bandwidth:	20 MHz	
Transmission Channels:	Channels	Channel Frequency (MHz)
	Low (149)	5745
	Middle (157)	5785
	High (165)	5825
Operating Channel Bandwidth:	40 MHz	
Transmission Channels:	Channel	Channel Frequency (MHz)
	Low (151)	5755
	High (159)	5795
Operating Channel Bandwidth:	80 MHz	
Transmission Channels:	Channel	Channel Frequency (MHz)
	Single (155)	5775

POWER SETTING (*):

For all modes, the EUT was configured in test mode using a software application. The application was used to enable a continuous transmission and to select the test channels as required. The client supplied instructions to configure the EUT.

The test set-up was made in accordance to the general provisions of FCC Unlicensed National Information Infrastructure (U-NII) Devices 789033 D02 General U-NII Test Procedures New Rules v02r01 dated Dec 14, 2017.

The EUT was tested in the following operating mode:

- Continuously transmitting with a modulated carrier at maximum power in all required channels using the supported data rates/modulations types.

The field strength at the band edges was evaluated for each mode on the lowest and highest channels at the rated power for the channel under test.

For all modes, the EUT was configured in test mode using a software application. The application was used to enable a continuous transmission and to select the test channels as required. The client supplied instructions to configure the EUT. The customer supplied a document containing the setup instructions.

For Transmitter Out of Band Radiated Emissions test, the worst cases for testing were identified based on preliminary testing that correspond to next modes:

UNII-I:

- 802.11 n20
- 802.11 ax80 RU26

UNII-III:

- 802.11 n20
- 802.11 ax40 RU26

RADIATED MEASUREMENTS:

All radiated tests were performed in a semi-anechoic chamber. The measurement antenna (Bilog antenna for the range between 30 MHz to 1000 MHz and 1 GHz-17 GHz Double ridge horn antenna) is situated at a distance of 3 m and at a distance of 1.5 m for the frequency range 17 GHz-26 GHz (17 GHz-40 GHz horn antenna).

For radiated emissions in the range 17 GHz-26 GHz that is performed at a distance closer than the specified distance, an inverse proportionality factor of 20 dB per decade is used to normalize the measured data for determining compliance.

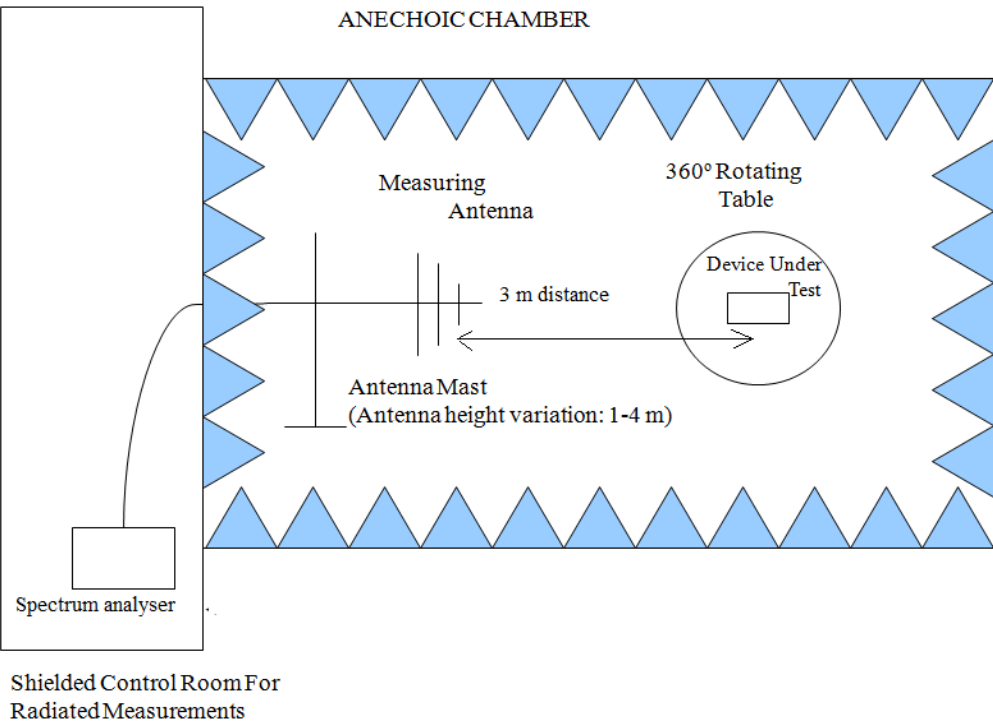
The equipment under test was set up on a non-conductive platform above the ground plane and the situation and orientation was varied to find the maximum radiated emission. It was also rotated 360° and the antenna height (Bilog antenna and Double ridge horn antenna) was varied from 1 to 4 meters to find the maximum radiated emission.

Measurements were made in both horizontal and vertical planes of polarization.

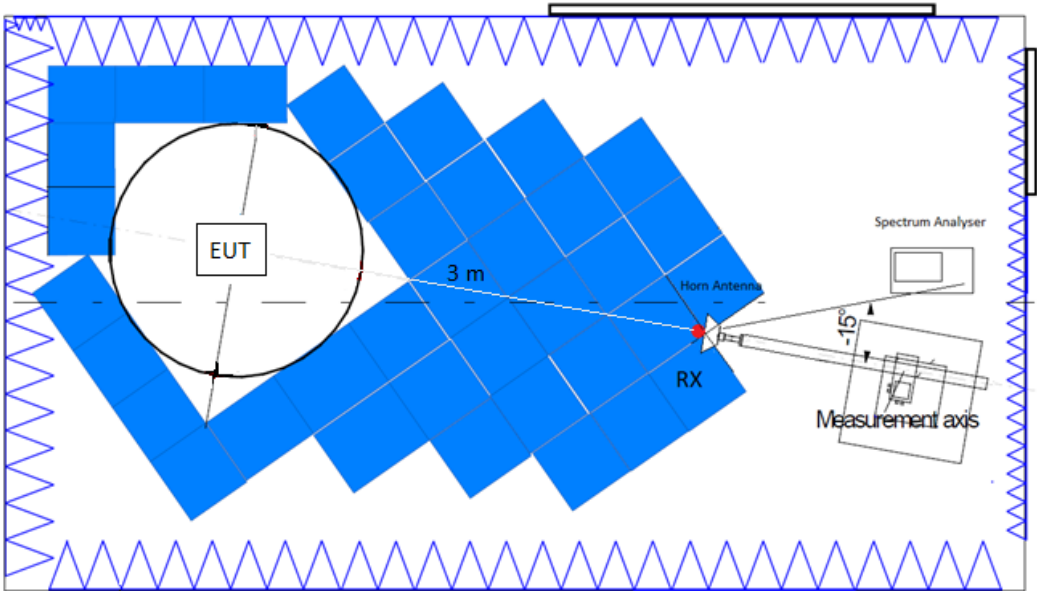
The final measured value, for the given emission, in the tables below incorporates the calibrated antenna factor and cable loss.

A resolution bandwidth/video bandwidth of 100 kHz / 300 kHz was used for frequencies below 1 GHz and 1 MHz / 3 MHz for frequencies above 1 GHz.

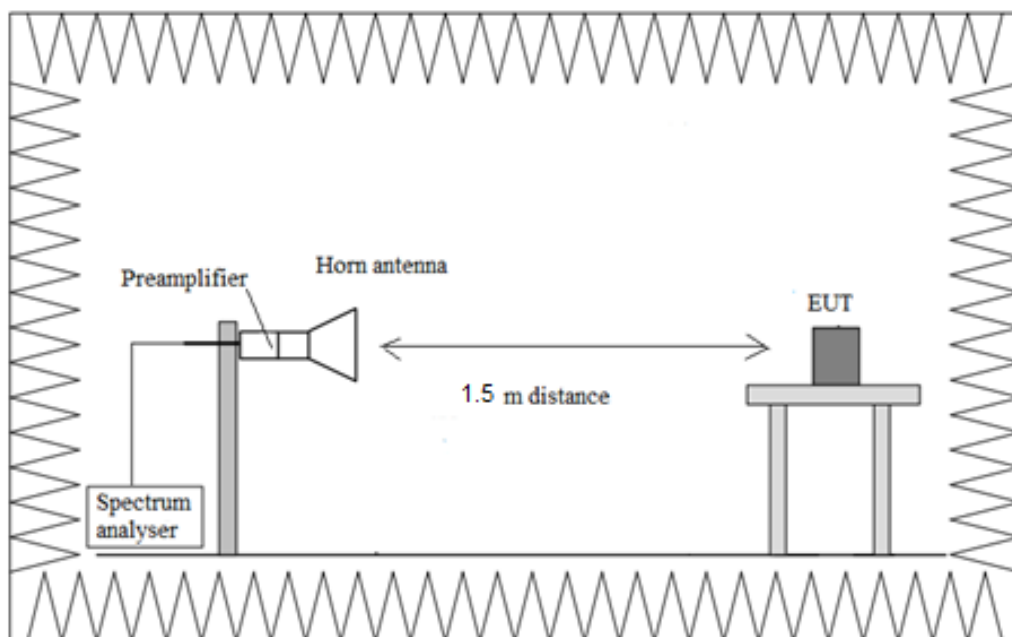
Radiated measurements setup from 30 MHz to 1 GHz:



Radiated measurements setup from 1 GHz to 17 GHz:



Radiated measurements setup $f > 17$ GHz:



Appendix A: Tests results for the U-NII-1 Band 5.15–5.25 GHz

TEST CONDITIONS	11
TEST CASES DETAILS	20
FCC 47 CFR PART 15.407 / RSS-247 / RSS-248	20
RSS-247 6.2.1.1 / FCC 15.407 (a) (1) [Avcp] Maximum Conducted output power UNII-1	20
RSS-247 6.2.1.2 / FCC 15.407 (b) (1) (6) [Rse] Transmitter Out of Band Radiated Emissions For transmitters operating in the 5.15–5.25 GHz.....	21
FCC 15.407 (B)(1) / RSS-247 6.2.1.2. TRANSMITTER BAND EDGE RADIATED EMISSIONS.....	40

TEST CASES DETAILS

FCC 47 CFR Part 15.407 / RSS-247 / RSS-248

RSS-247 6.2.1.1 / FCC 15.407 (a) (1) [Avcp] Maximum Conducted output power UNII-1

Limits

* **FCC 15.407:** For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

RSS-247:

The maximum e.i.r.p. shall not exceed 200 mW (23 dBm) or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less.

Modulation: 802.11ax HE20 (OFDM MCS0)

Results

Operation Band (MHz)	Port	Freq (MHz)	TPC	Antenna configuration	Subcarrier Mode	Max EIRP (dBm)	Avg Power (dBm)
[5150, 5250]	3+4	5240.00000	No	MIMO CDD Mode 2x2	SU	10.79	5.69

RSS-247 6.2.1.2 / FCC 15.407 (b) (1) (6) [Rse] Transmitter Out of Band Radiated Emissions For transmitters operating in the 5.15–5.25 GHz

Limits

For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz (68.23 dBμV/m at 3 m distance).

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

Frequency Range (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	300
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 40000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

Frequency range tested for Radiated emissions:

Start frequency: no radiofrequency signal generated in the device found below 10th sub-harmonic, no further investigation required.

Stop frequency: it has been performed the radiated spurious emissions until 10th harmonic.

Results

Modulation: 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

MIMO Mode: MIMO

Operation Band (MHz)	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[5150, 5250]	[0.03, 1]	5180.00000	30.485000	31.16	H	PK
			30.485000	25.79	H	QP
			536.873500	22.88	V	QP
			536.873500	28.55	V	PK
			594.006500	45.55	H	PK
			594.006500	35.46	H	QP
			600.020500	33.28	H	PK
			600.020500	30.44	H	QP
			875.015500	35.02	V	PK
			875.015500	31.66	V	QP
			938.841500	25.90	V	QP
			938.841500	30.90	V	PK

Verdict

Pass

Attachments

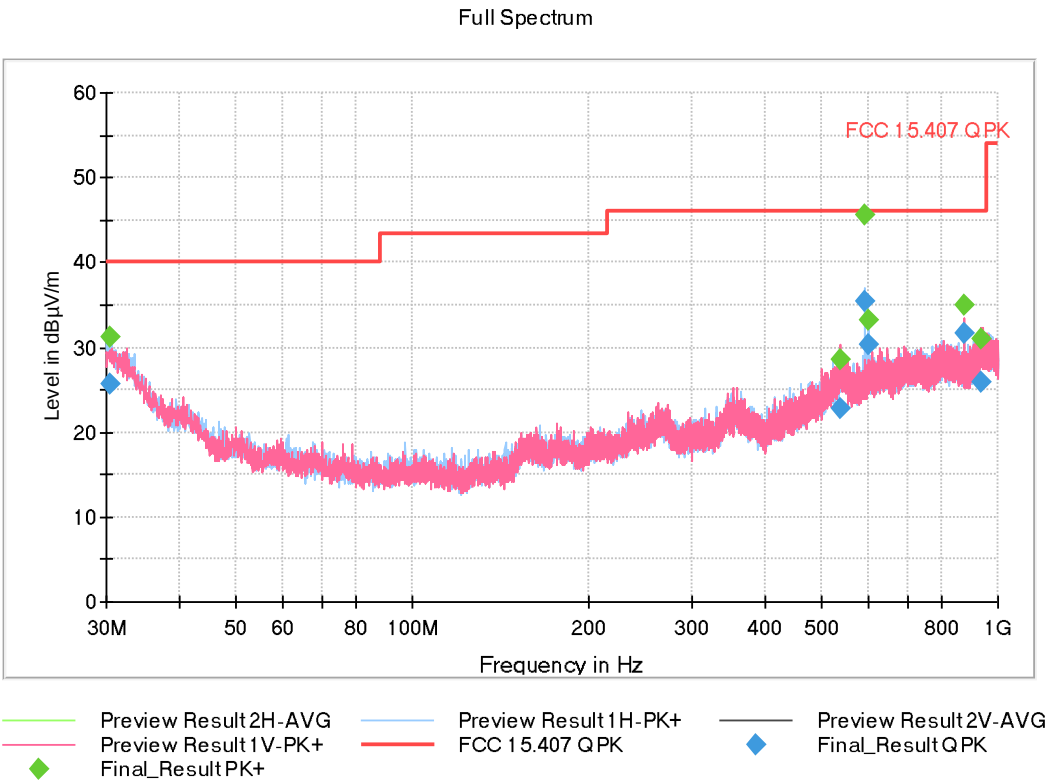
Spectrum Analyzer Parameters

Receiver: [ESW 44]						
30 MHz - 1 GHz	48,5 kHz	PK+	100 kHz	1 s	0 dB	
1 GHz - 6,5 GHz	275 kHz	PK+ ; AVG	1 MHz	1 s	0 dB	
6,5 GHz - 17 GHz	525 kHz	PK+ ; AVG	1 MHz	1 s	0 dB	
17 GHz - 40 GHz	766,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB	

Operation Band MHz = [5150, 5250]

Frequency Range GHz = [0.03, 1] Frequency MHz = 5180.00000

Images:



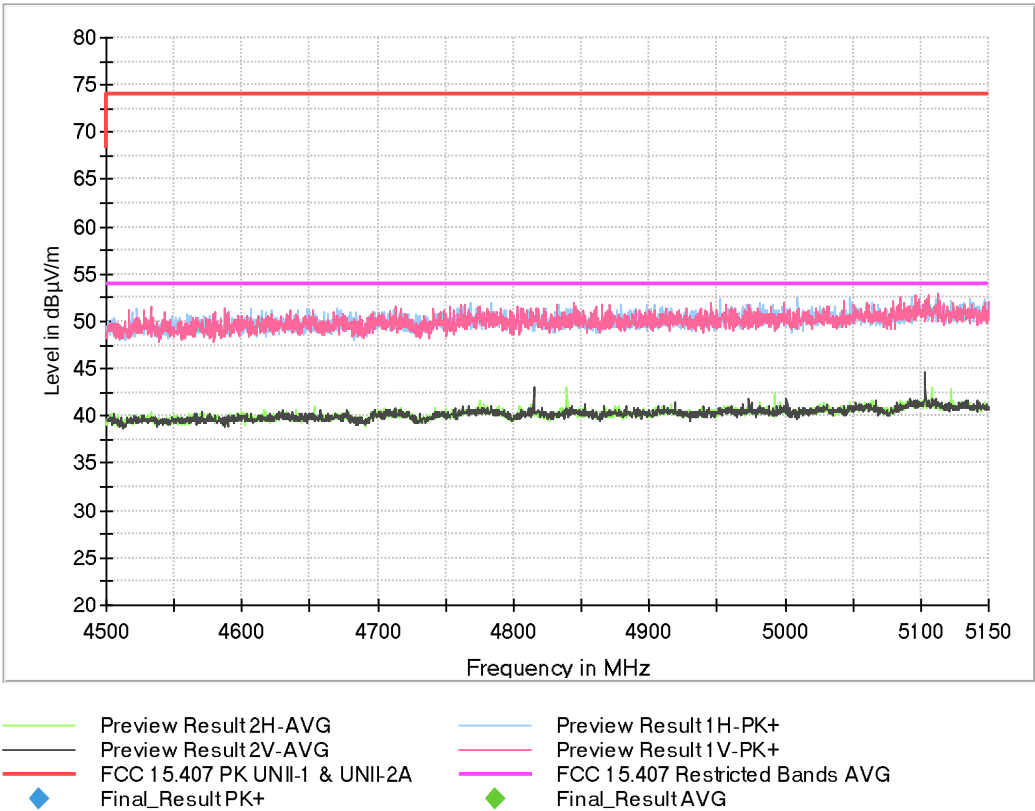
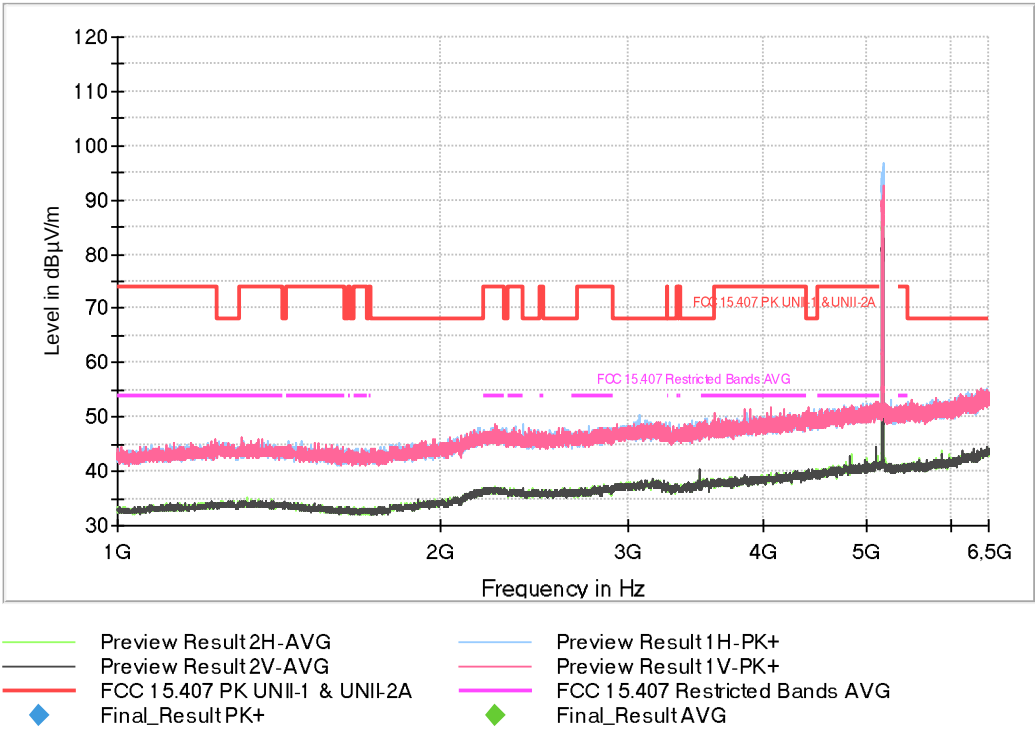
This plot is valid for all channels

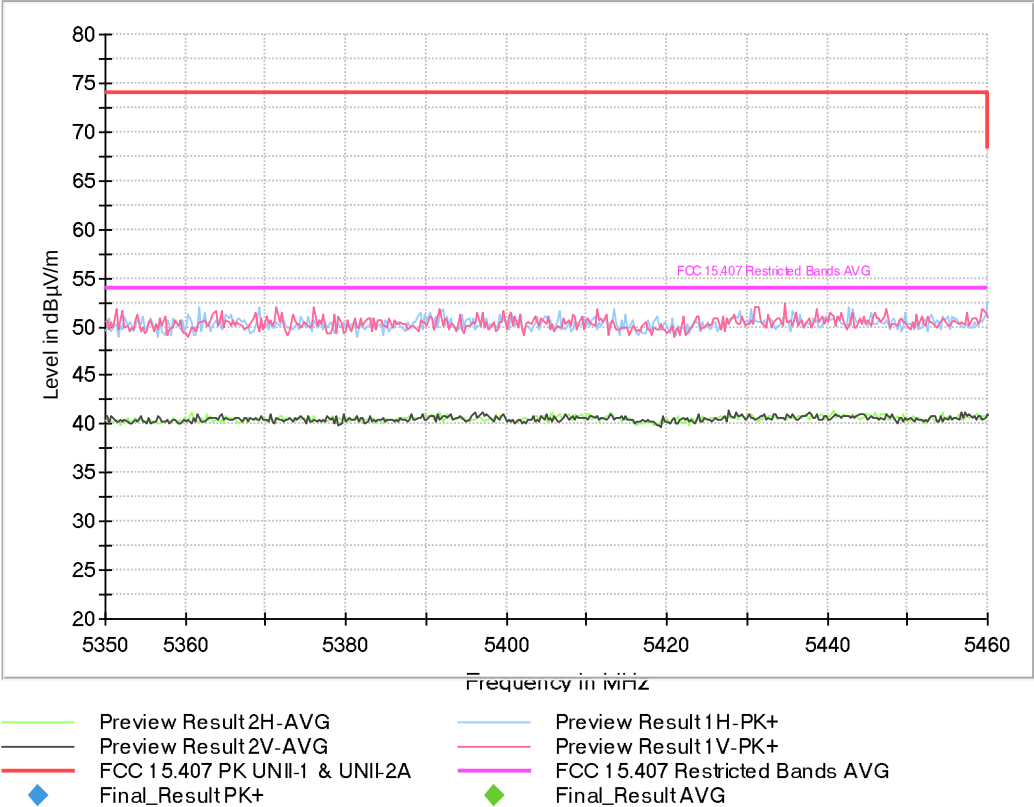
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5] Frequency MHz = 5180.00000

Images:

Full Spectrum



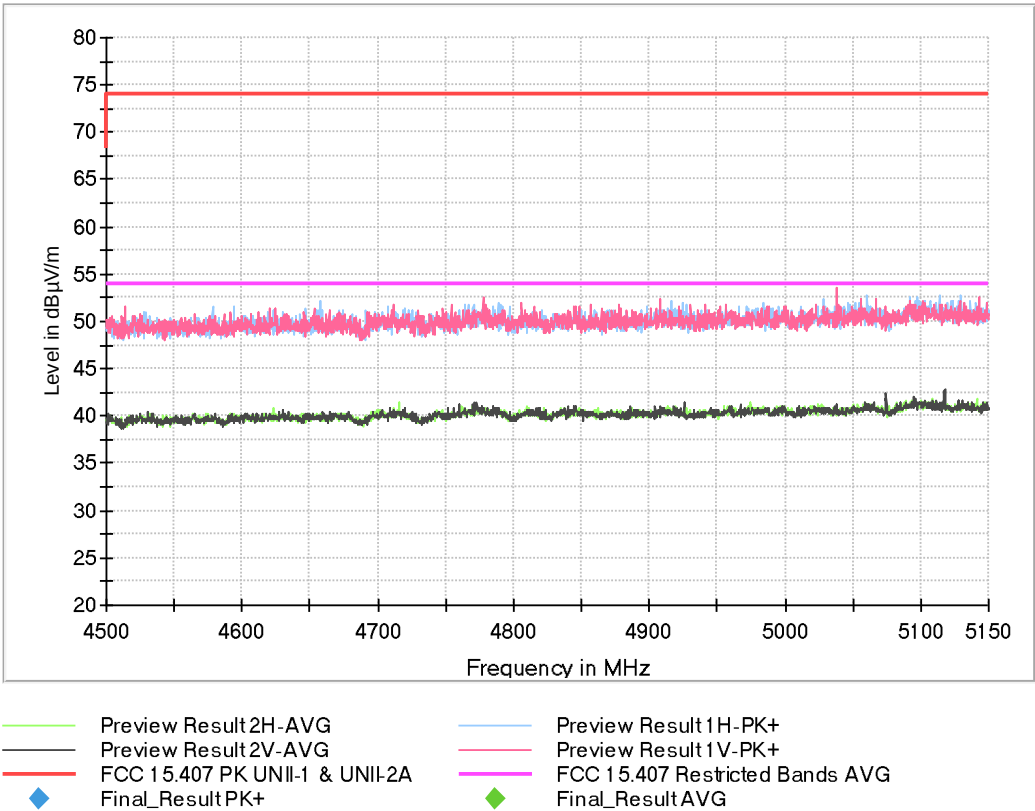
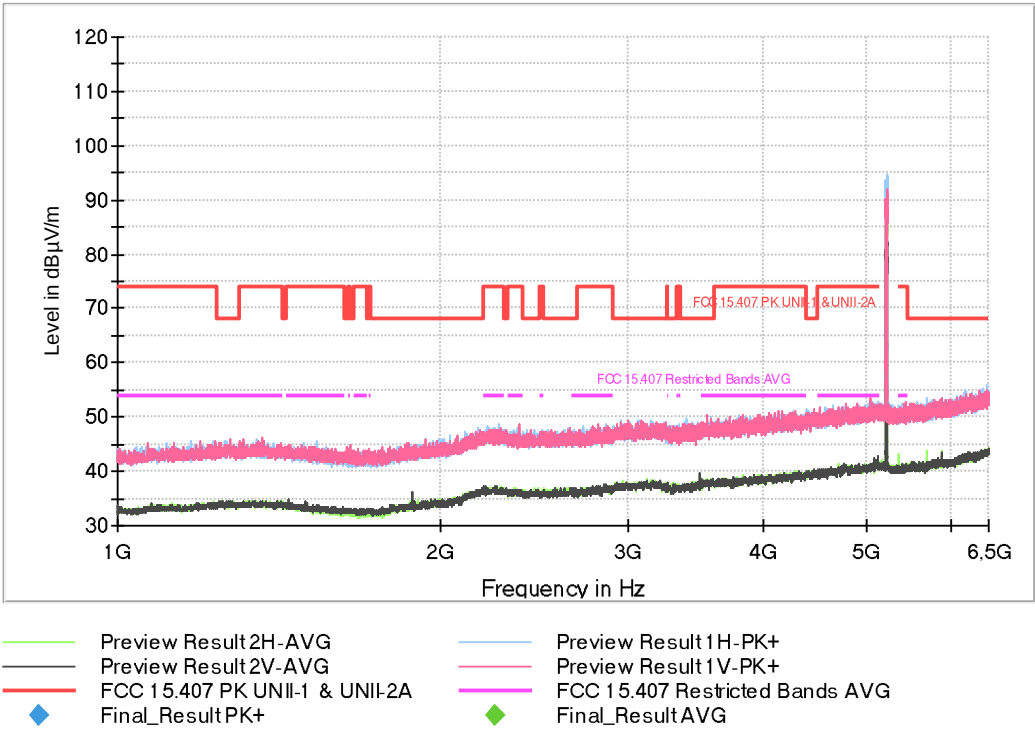


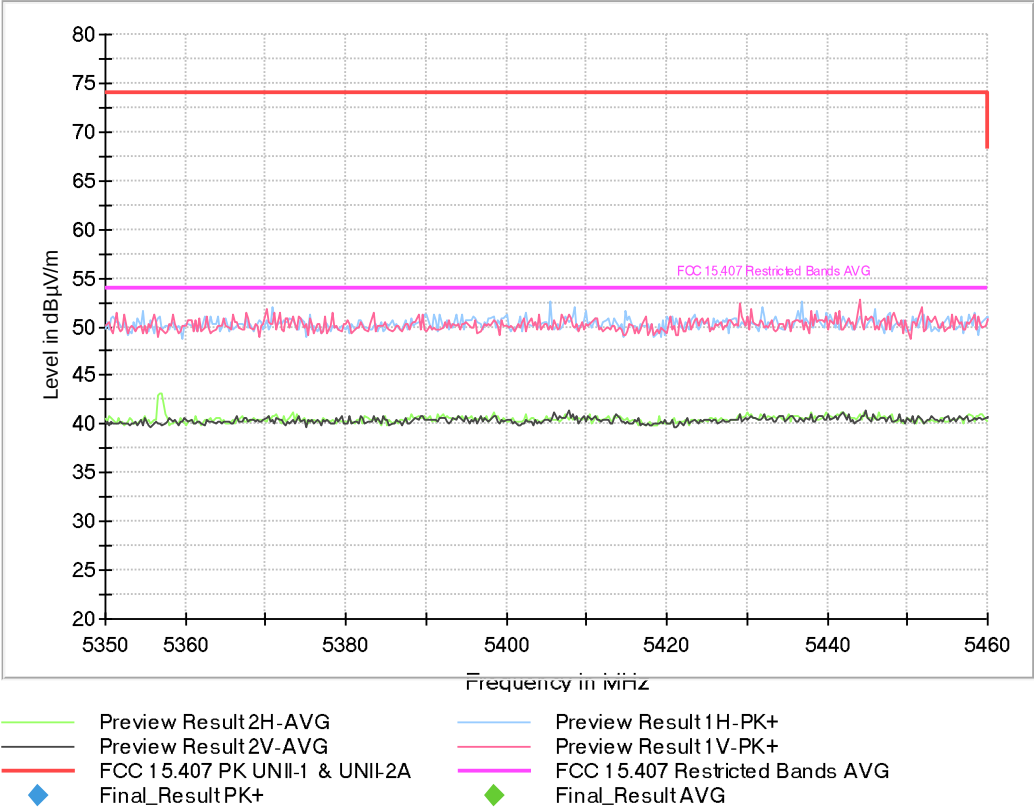
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5] Frequency MHz = 5220.00000

Images:

Full Spectrum



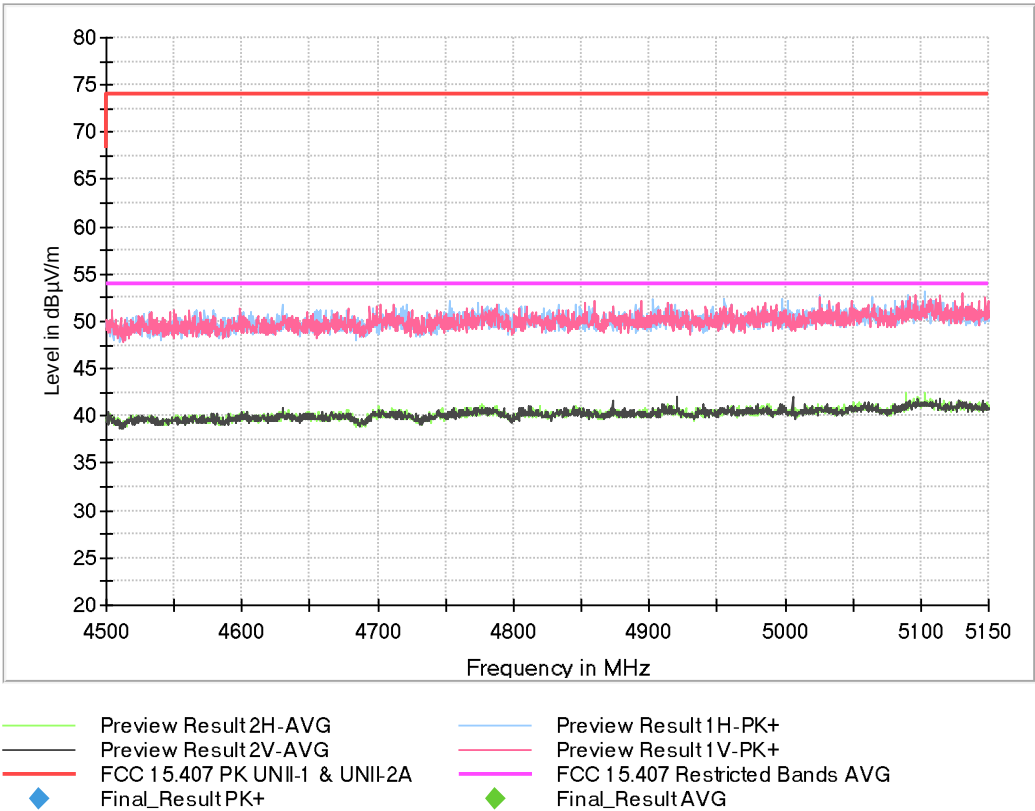
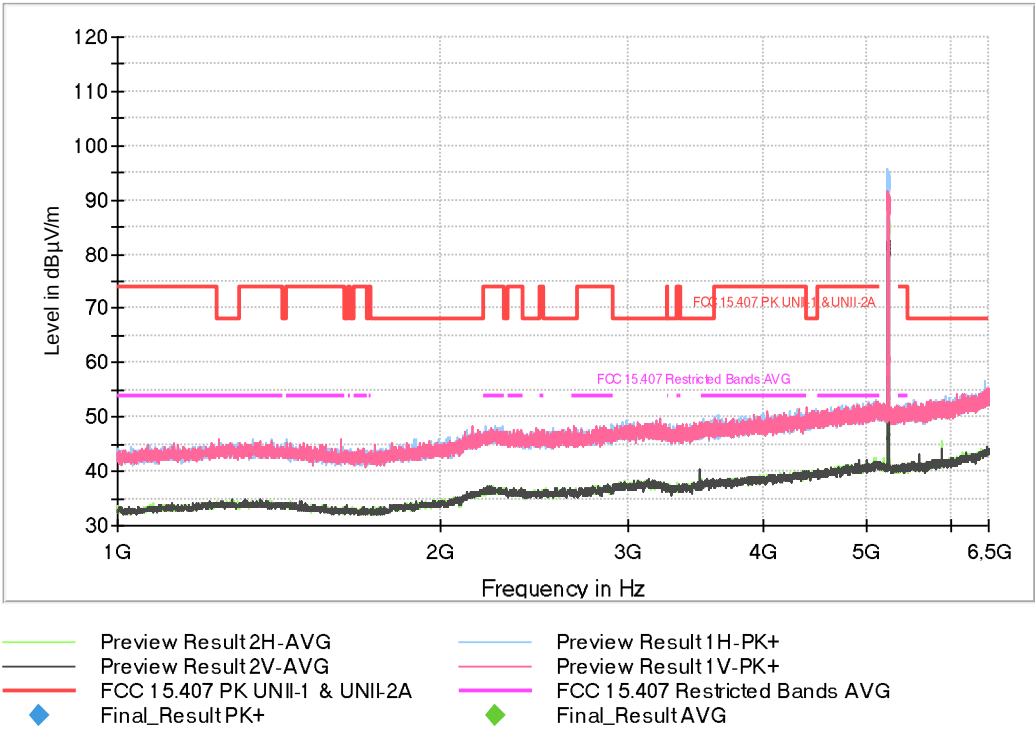


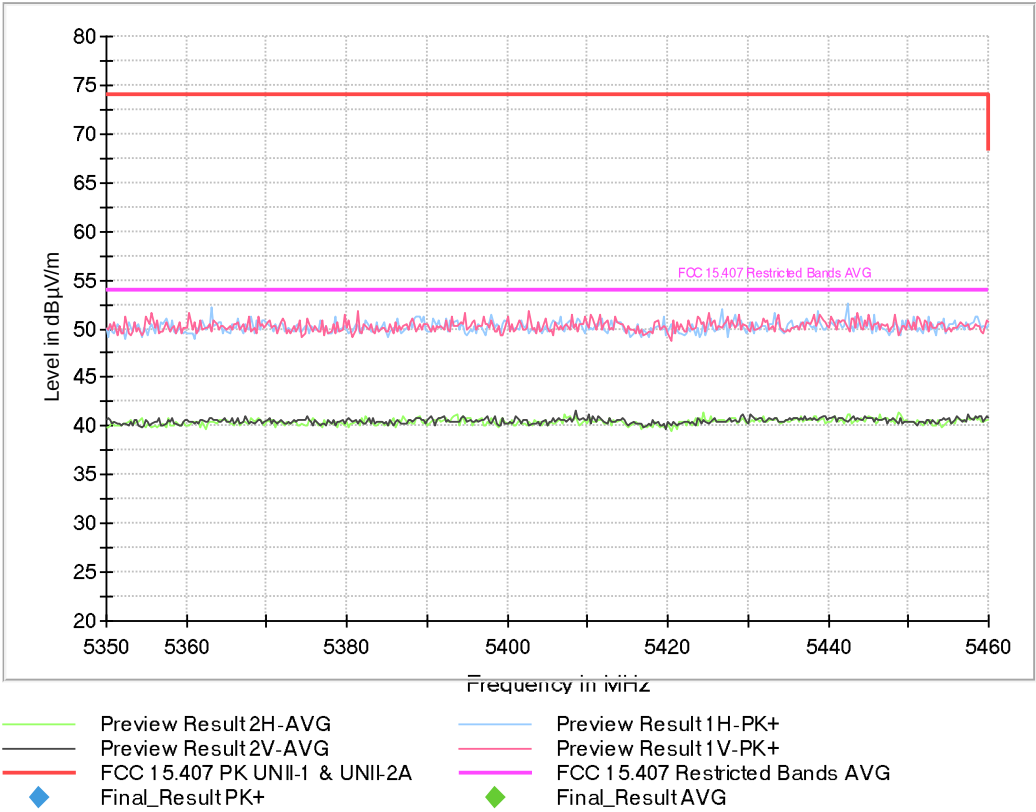
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5] Frequency MHz = 5240.00000

Images:

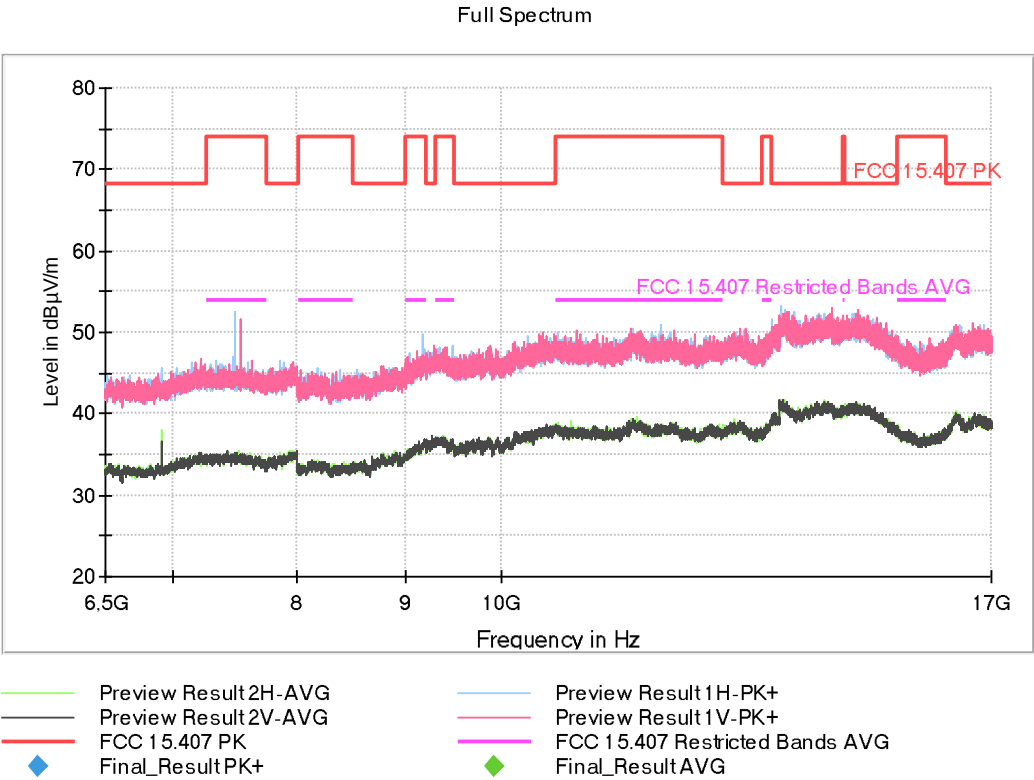
Full Spectrum





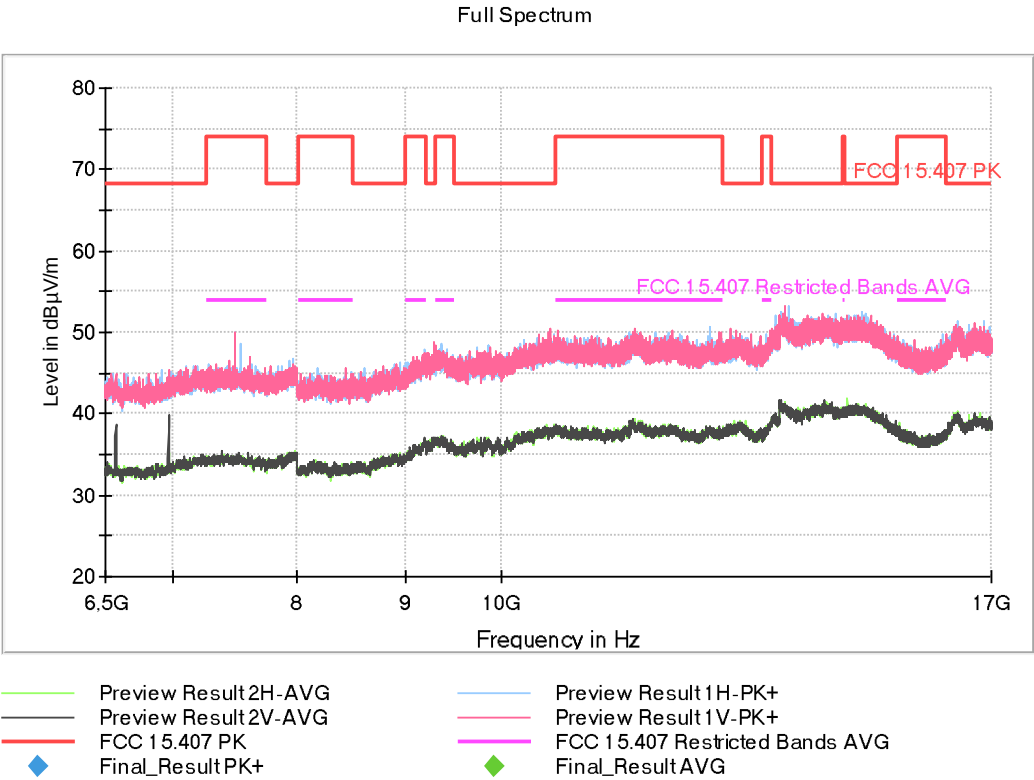
Operation Band MHz = [5150, 5250]
Frequency Range GHz = [6.5, 17] Frequency MHz = 5180.00000

Images:



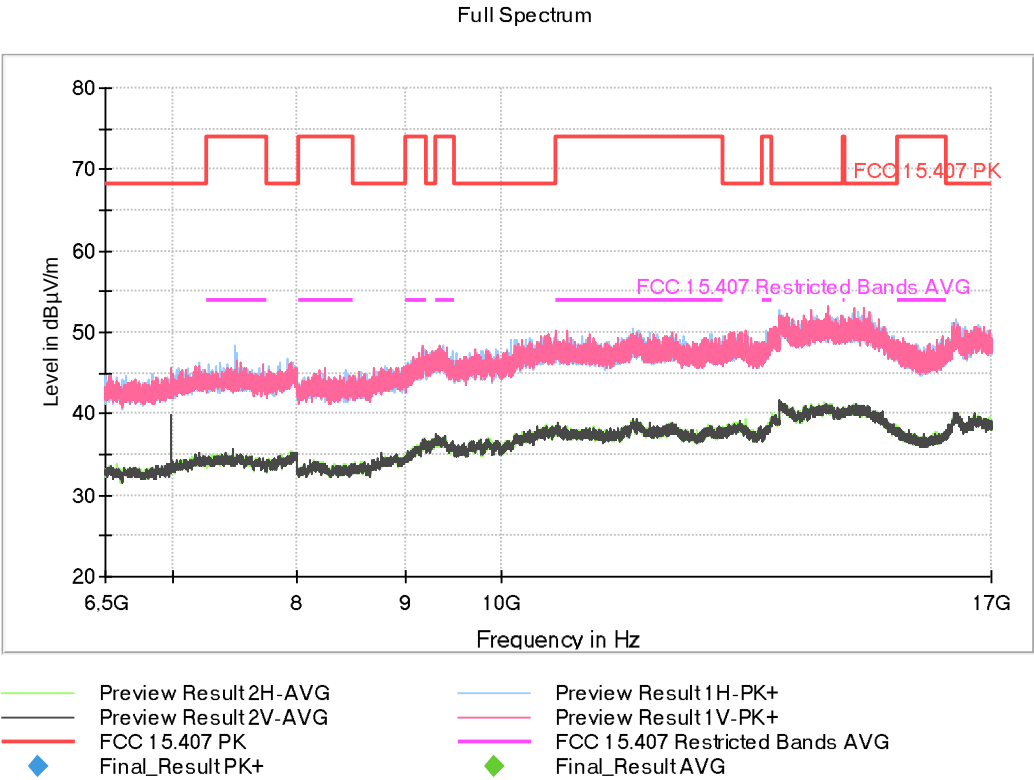
Operation Band MHz = [5150, 5250]
Frequency Range GHz = [6.5, 17] Frequency MHz = 5220.00000

Images:



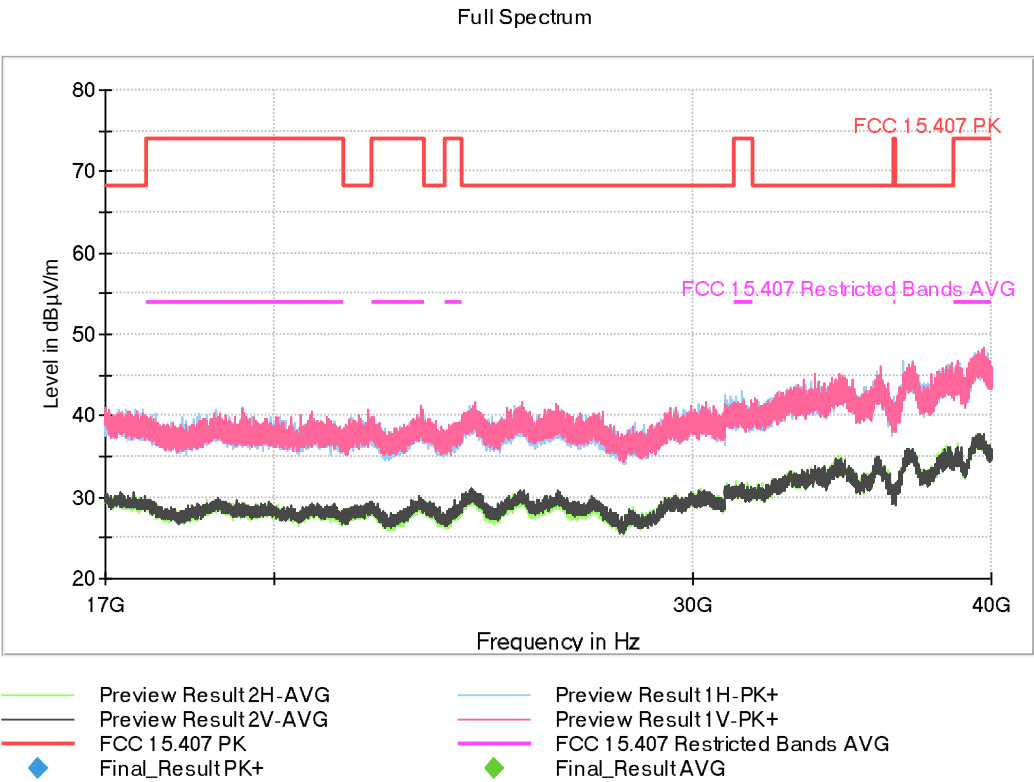
Operation Band MHz = [5150, 5250]
Frequency Range GHz = [6.5, 17] Frequency MHz = 5240.00000

Images:



Operation Band MHz = [5150, 5250]
Frequency Range GHz = [17, 40] Frequency MHz = 5180.00000

Images:



This plot is valid for all channels

Results

Modulation: 802.11ax HE80 (OFDMA MCS0) RU26

MIMO Mode: MIMO

Operation Band (MHz)	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Po I	Detector
[5150, 5250]	[0.03, 1]	5210.00000	31.794500	30.49	H	PK
			31.794500	25.18	H	QP
			593.812500	24.31	H	QP
			593.812500	33.67	H	PK
			594.006500	40.84	H	PK
			594.006500	30.58	H	QP
			600.020500	34.12	H	PK
			600.020500	30.91	H	QP
			875.015500	33.43	V	QP
			875.015500	36.17	V	PK
			936.222500	31.71	H	PK
			936.222500	25.73	H	QP

Verdict

Pass

Attachments

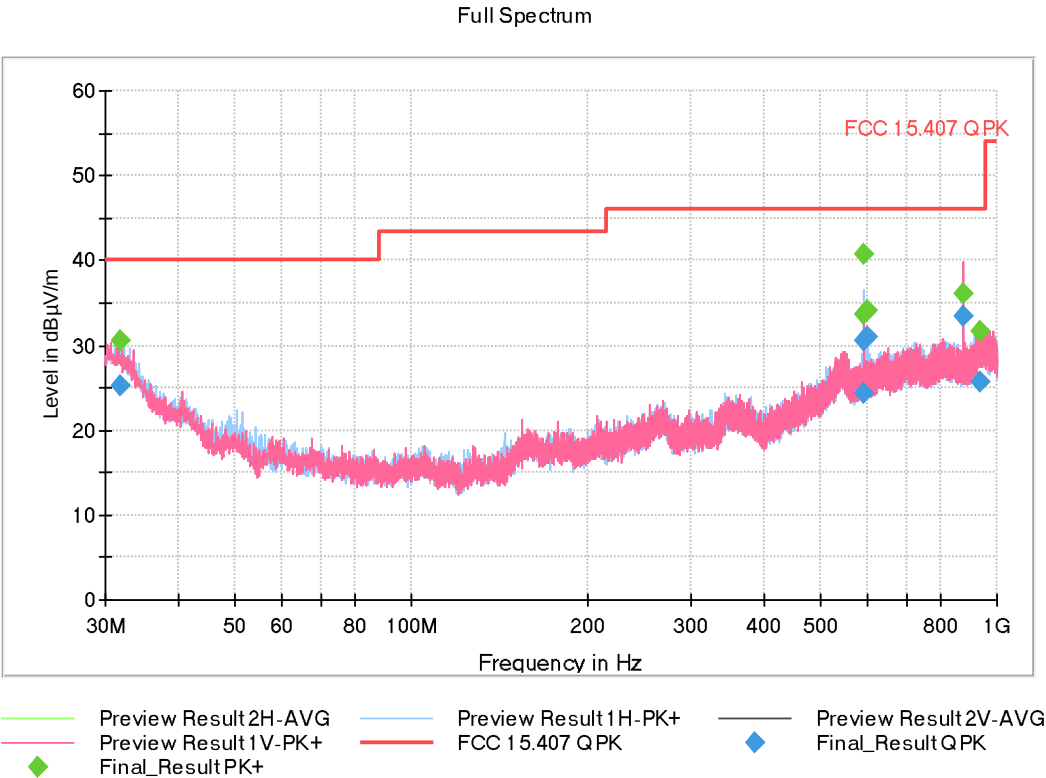
Spectrum Analyzer Parameters

Receiver: [ESW 44]						
30 MHz - 1 GHz	48,5 kHz	PK+	100 kHz	1 s	0 dB	
1 GHz - 6,5 GHz	275 kHz	PK+ ; AVG	1 MHz	1 s	0 dB	
6,5 GHz - 17 GHz	525 kHz	PK+ ; AVG	1 MHz	1 s	0 dB	
17 GHz - 40 GHz	766,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB	

Operation Band MHz = [5150, 5250]

Frequency Range GHz = [0.03, 1] Frequency MHz = 5210.00000

Images:



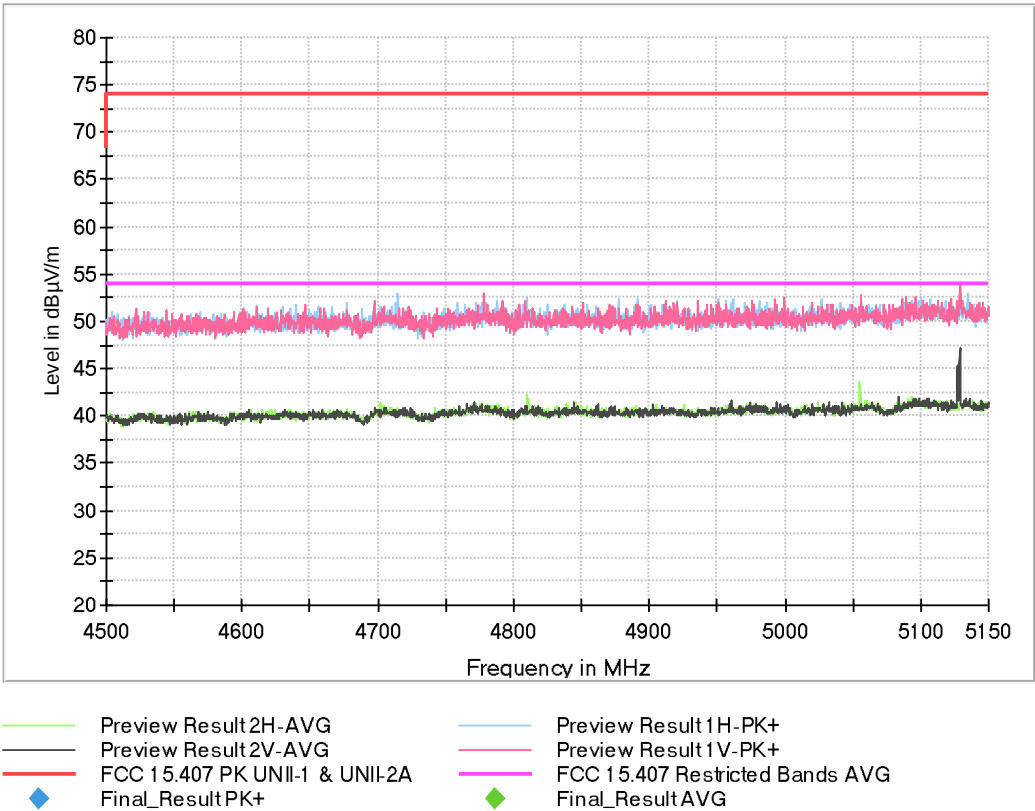
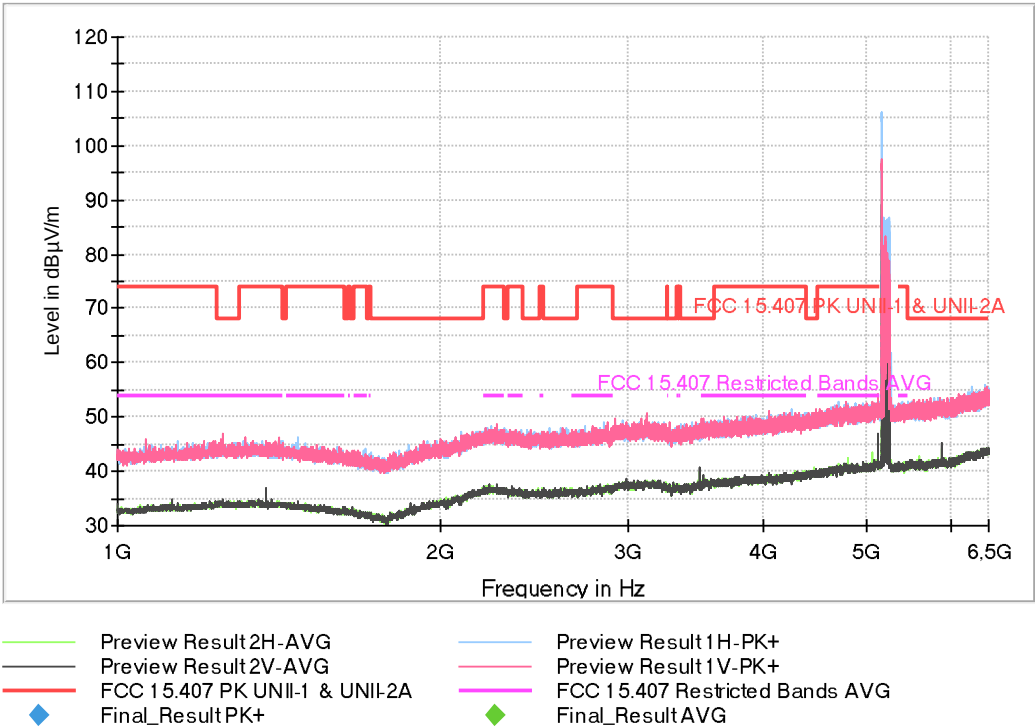
This plot is valid for all channels

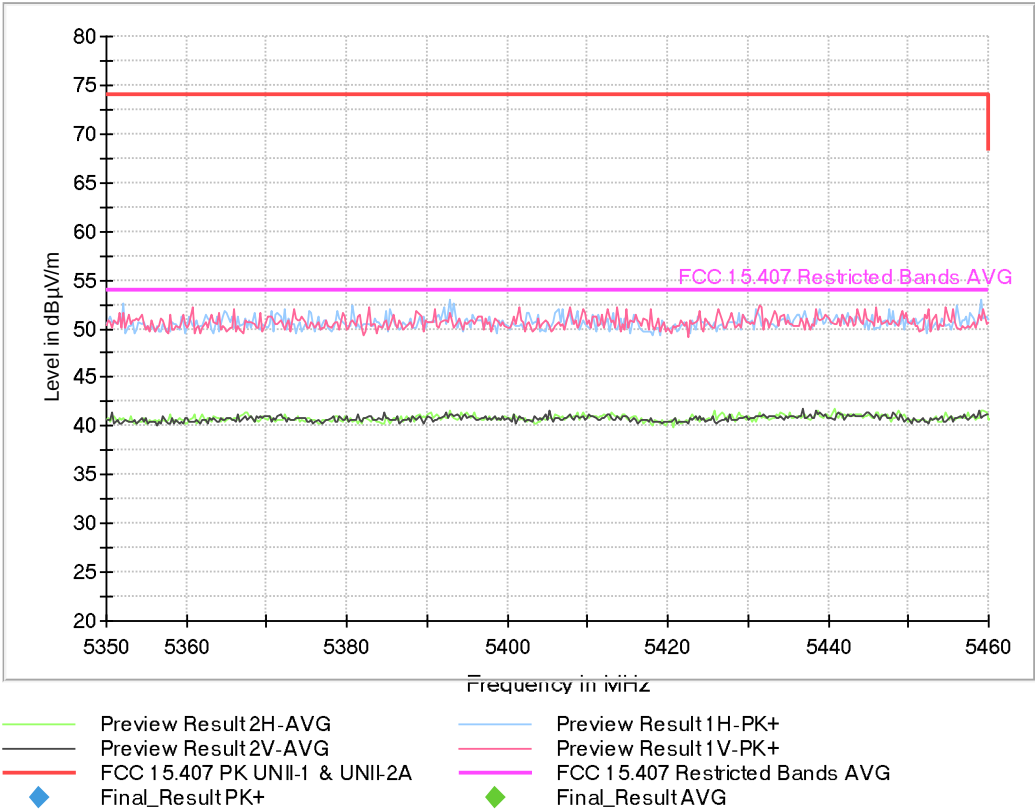
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5] Frequency MHz = 5210.00000

Images:

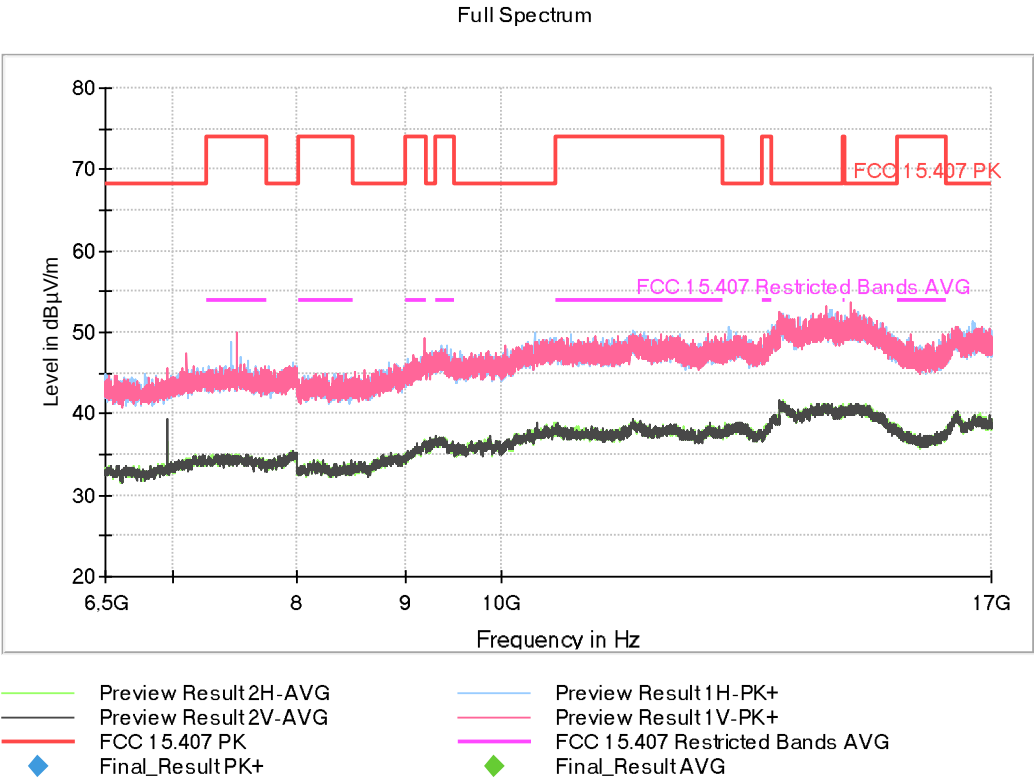
Full Spectrum





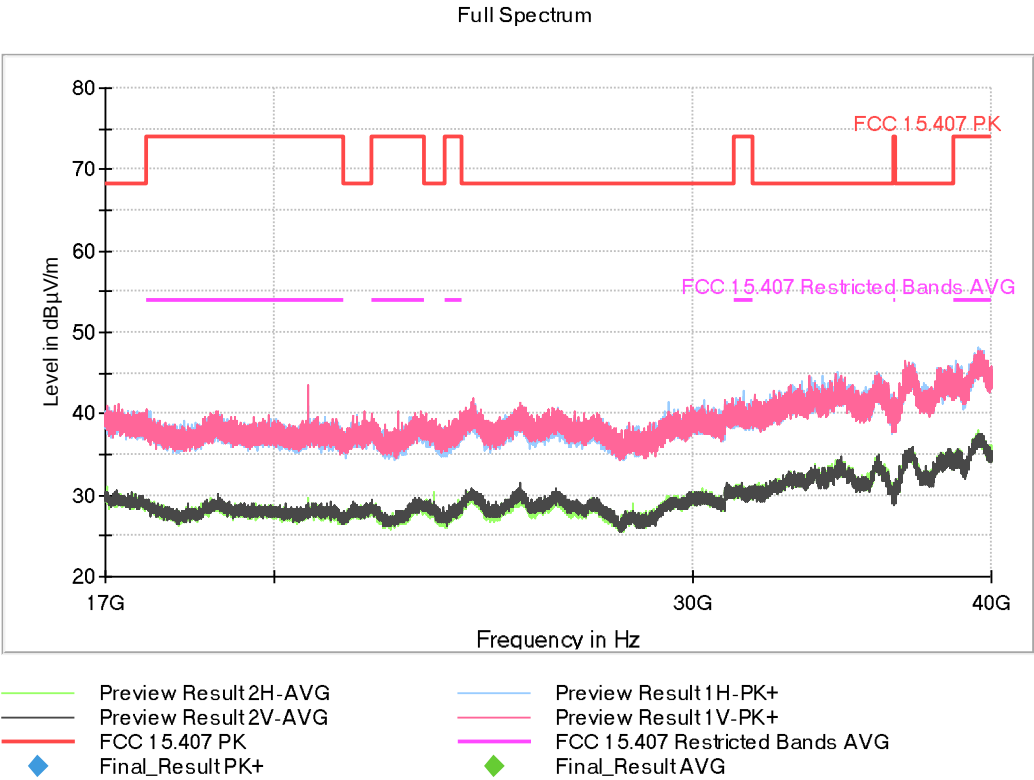
Operation Band MHz = [5150, 5250]
Frequency Range GHz = [6.5, 17] Frequency MHz = 5210.00000

Images:



Operation Band MHz = [5150, 5250]
Frequency Range GHz = [17, 40] Frequency MHz = 5210.00000

Images:



This plot is valid for all channels

FCC 15.407 (b)(1) / RSS-247 6.2.1.2. Transmitter Band Edge Radiated Emissions.

Limits

For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz (68.23 dBμV/m at 3 m distance).

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

Frequency Range (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	30
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 40000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table, specified when measuring with peak detector function.

RSS 247: Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz.

Results

All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27dBm/MHz. There are restricted bands of operation below band edge at 4.50-5.15 GHz also above the upper band edge at 5.35-5.46 GHz therefore the provisions of FCC Part 15.205 apply.

Field strength measurements using peak detector performed in the restricted bands below 5.15 GHz and above 5.35 GHz.

Spurious frequencies with peak levels above the average limit (54 dBμV/m at 3 m) are measured with an average detector for checking compliance with the average limit.

Test performed on all the supported modes of the EUT, in the worst data rates after preliminary testing.

BAND EDGE EMISSIONS: For U-NII-1 band edge spurious emissions inside of the Restricted Bands 4.50-5.15 GHz and 5.35-5.46 GHz.

Verdict

Pass

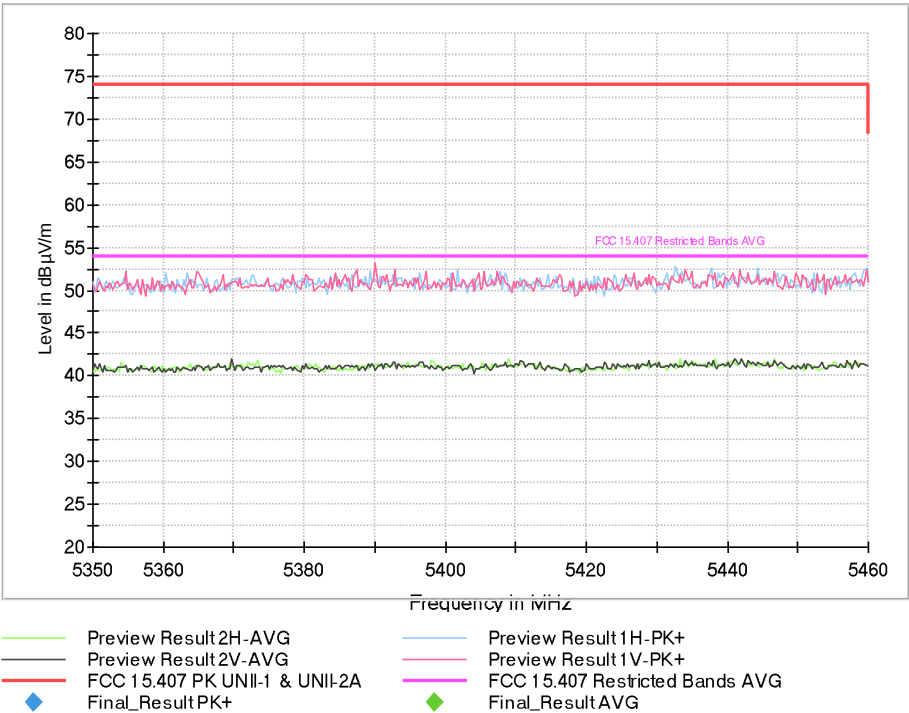
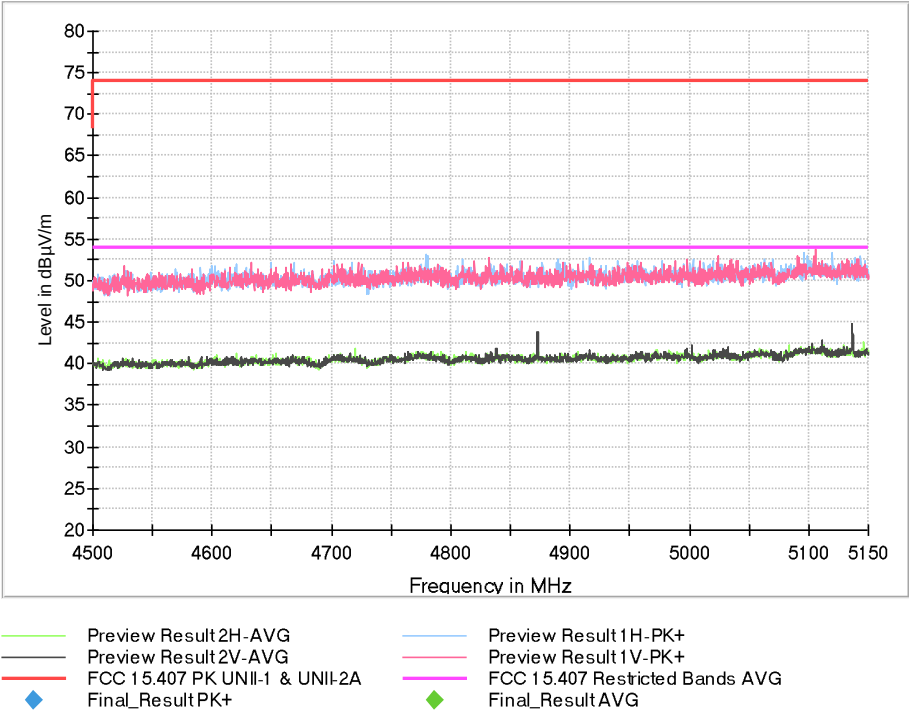
Attachments

Spectrum analyser:

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1 GHz - 6,5 GHz	100 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

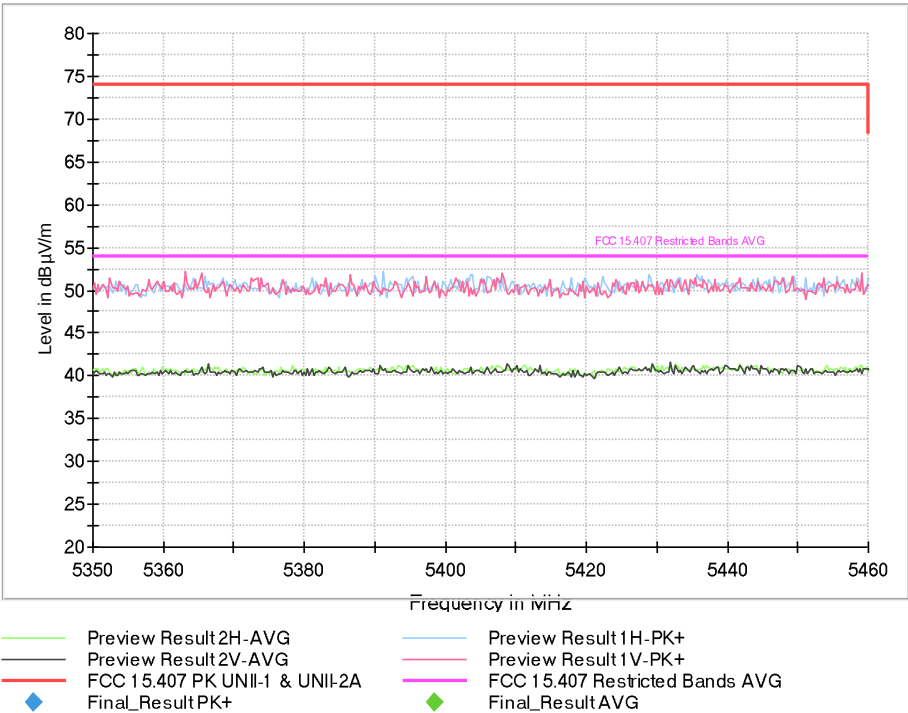
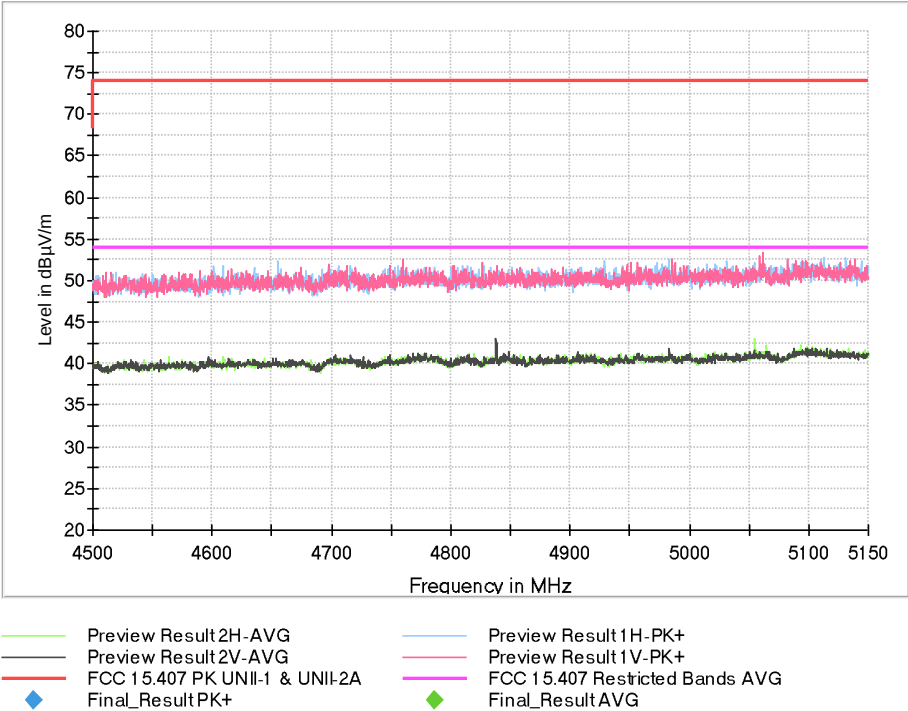
Operation Band MHz = [5150, 5250]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5180.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = MIMO

Images:



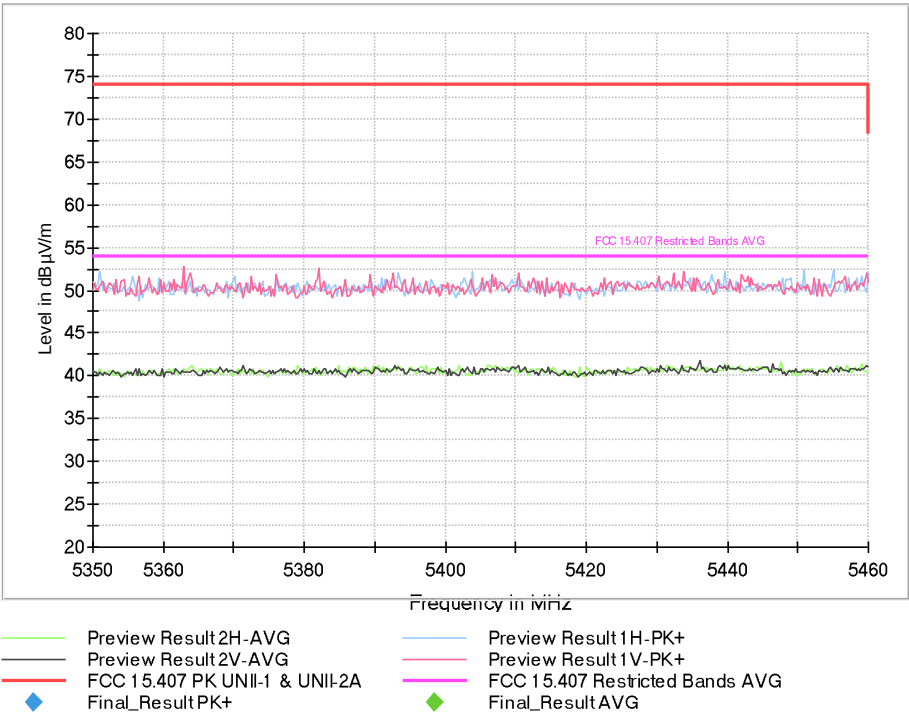
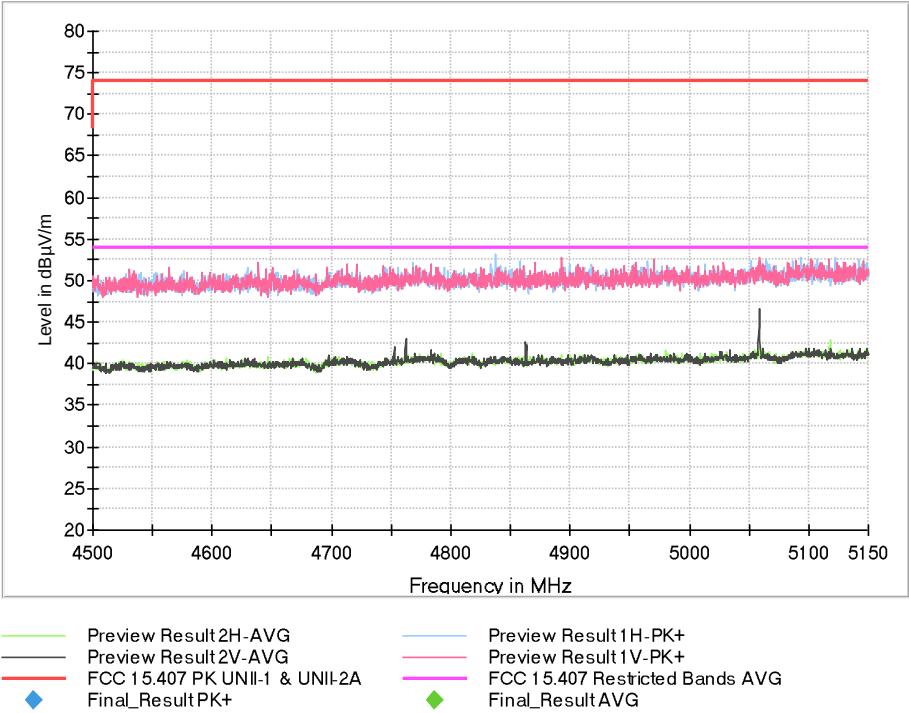
Operation Band MHz = [5150, 5250]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5220.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = MIMO

Images:



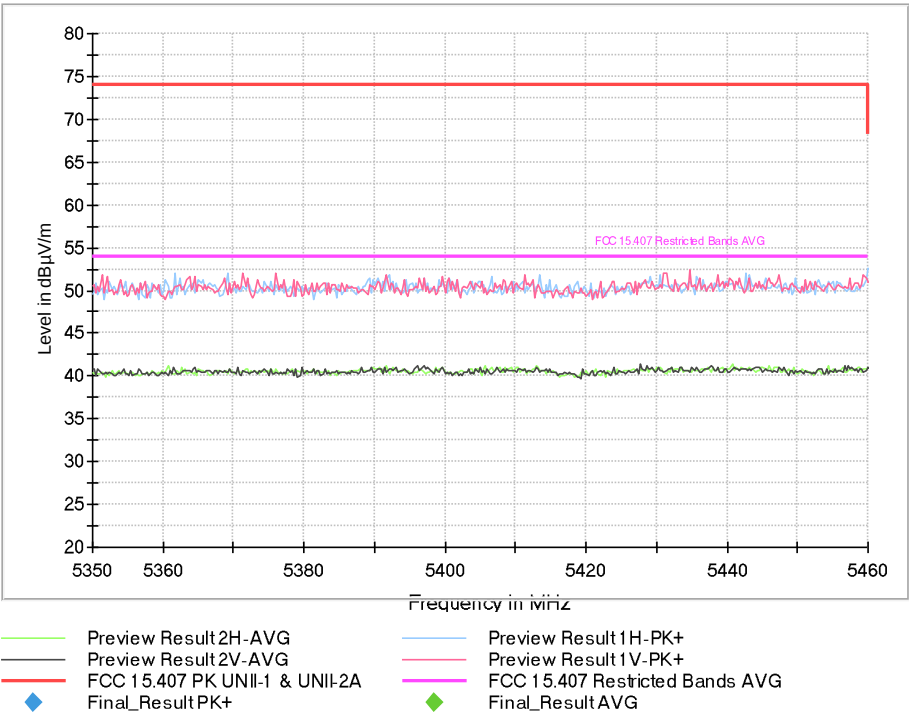
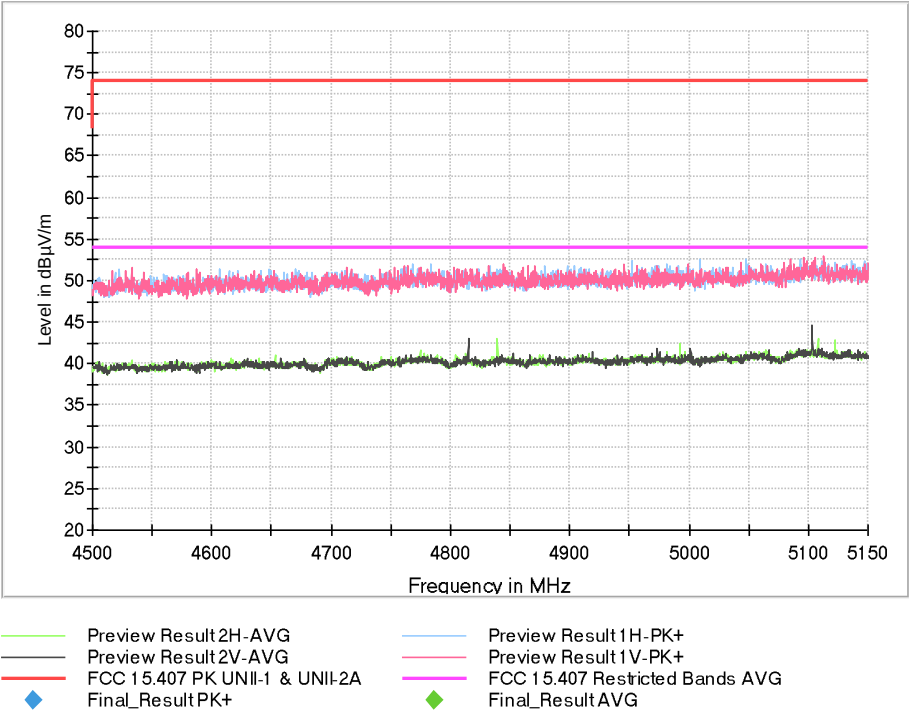
Operation Band MHz = [5150, 5250]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5240.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = MIMO

Images:



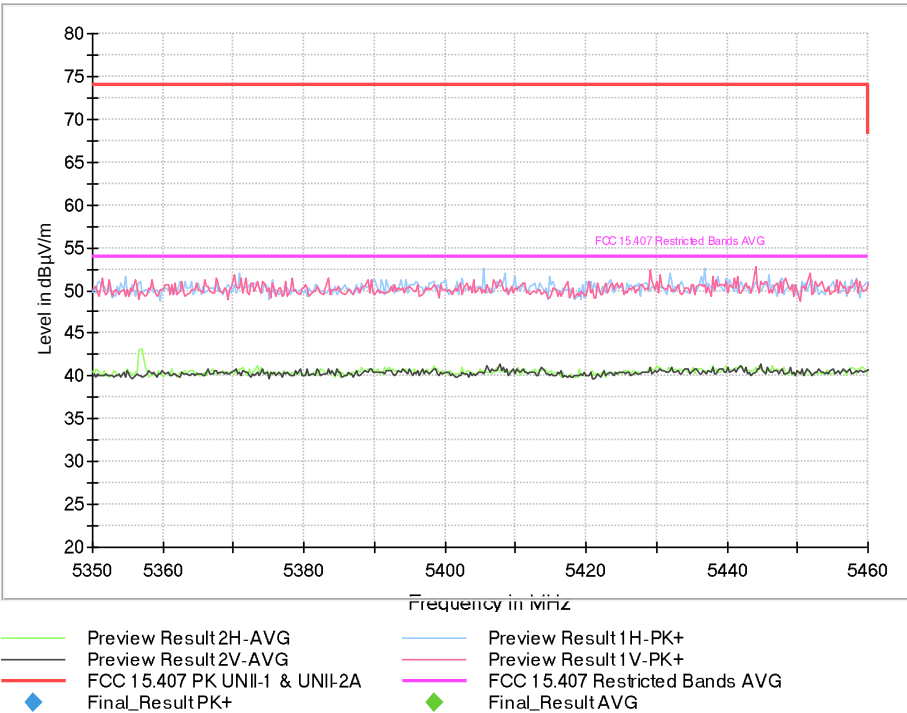
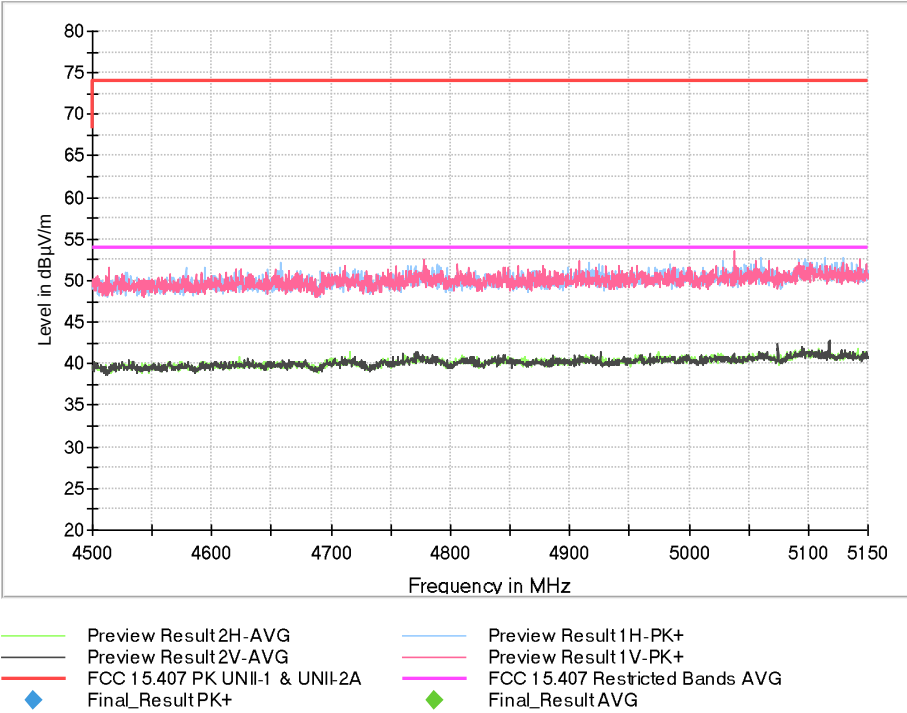
Operation Band MHz = [5150, 5250]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5180.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = MIMO

Images:



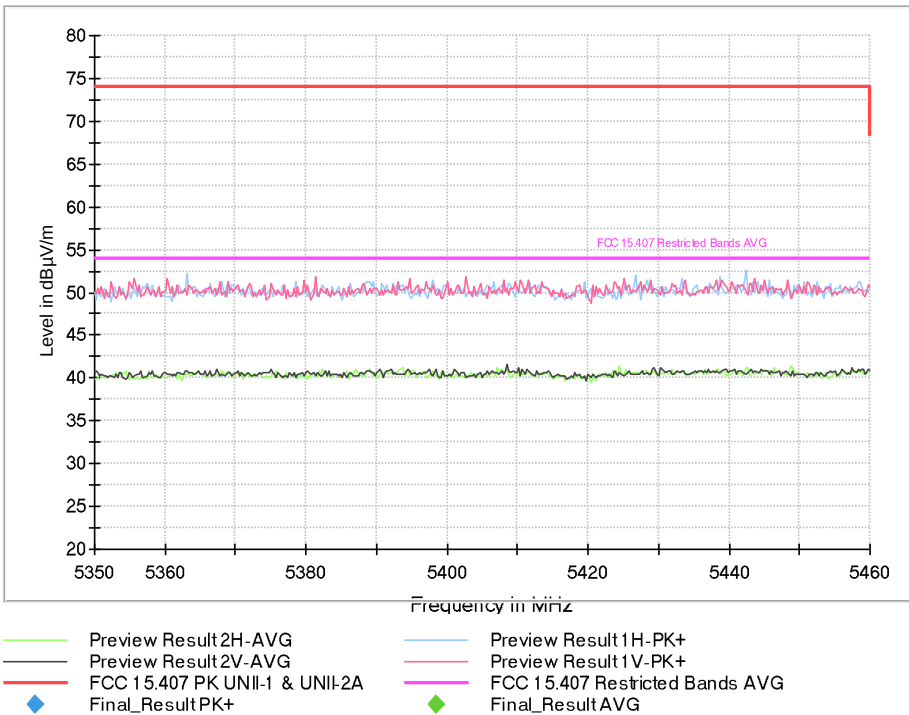
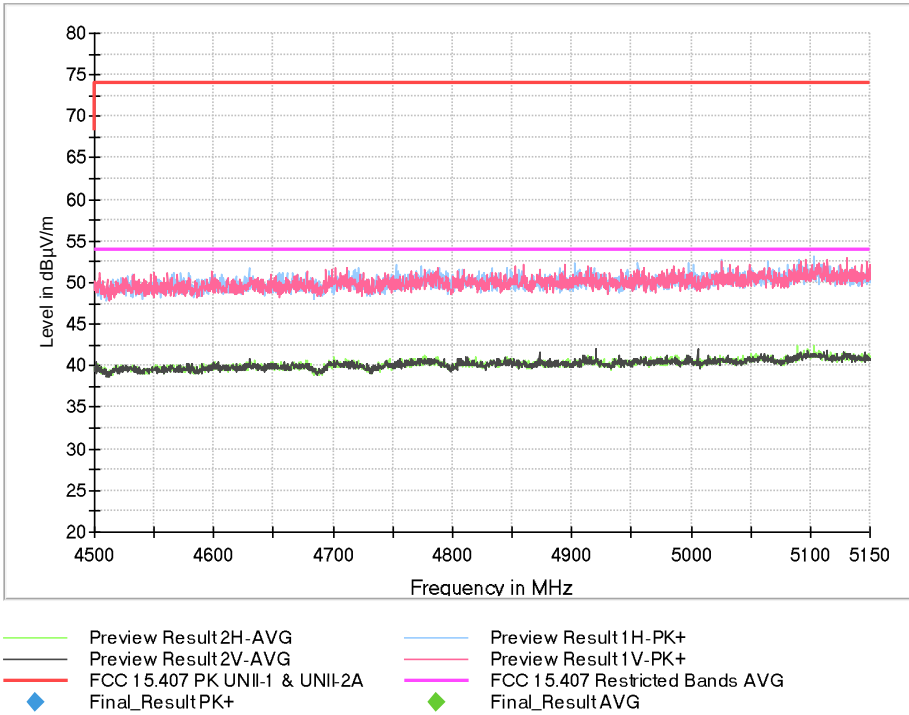
Operation Band MHz = [5150, 5250]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5220.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = ISO

Images:



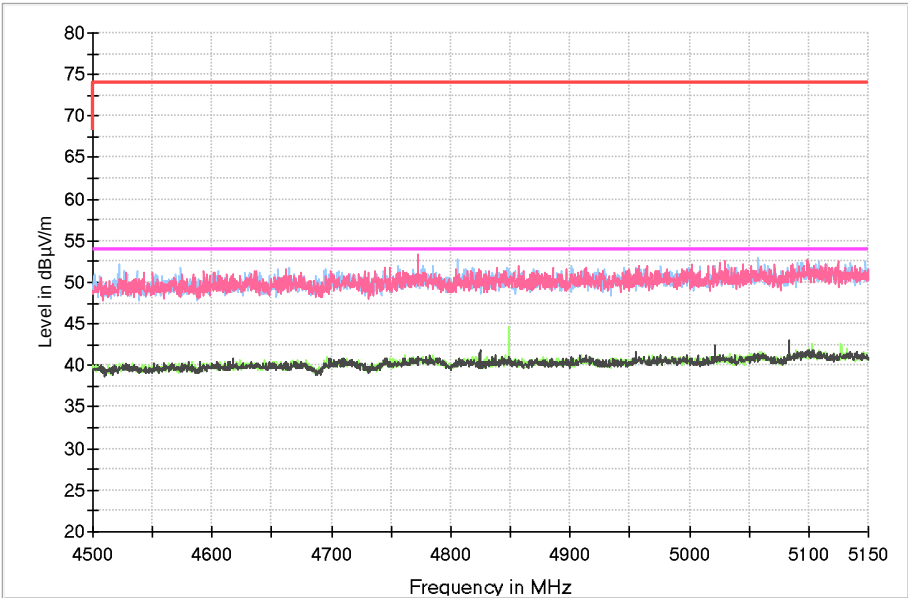
Operation Band MHz = [5150, 5250]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5240.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = MIMO

Images:

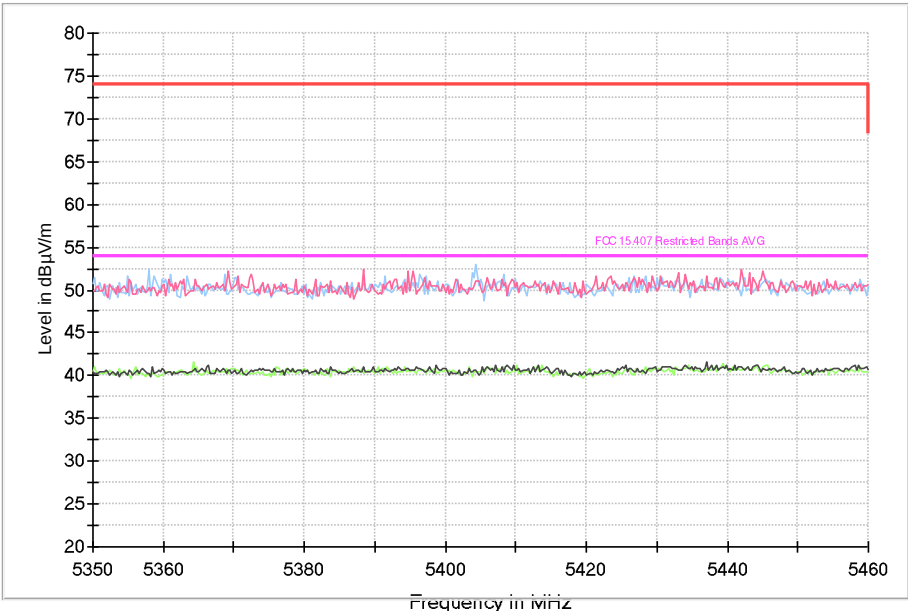


Operation Band MHz = [5150, 5250]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5180.00000
Modulation = 802.11ac VHT20 (OFDM MCS0) MIMO Mode = MIMO

Images:



Preview Result 2H-AVG Preview Result 1H-PK+
Preview Result 2V-AVG Preview Result 1V-PK+
FCC 15.407 PK UNII-1 & UNII-2A FCC 15.407 Restricted Bands AVG
Final_Result PK+ Final_Result AVG



Preview Result 2H-AVG Preview Result 1H-PK+
Preview Result 2V-AVG Preview Result 1V-PK+
FCC 15.407 PK UNII-1 & UNII-2A FCC 15.407 Restricted Bands AVG
Final_Result PK+ Final_Result AVG

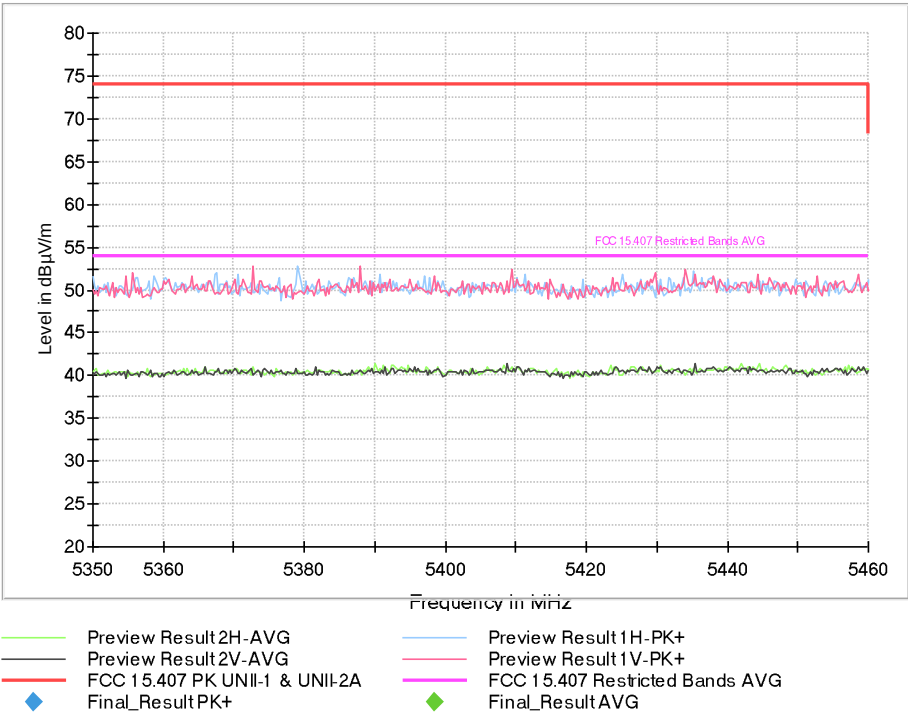
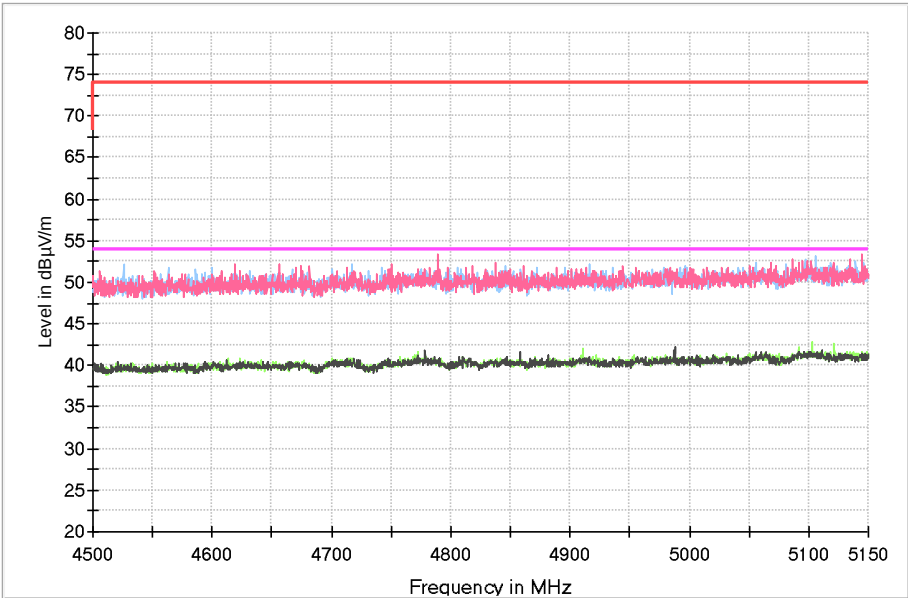
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5220.00000

Modulation = 802.11ac VHT20 (OFDM MCS0) MIMO Mode = MIMO

Images:



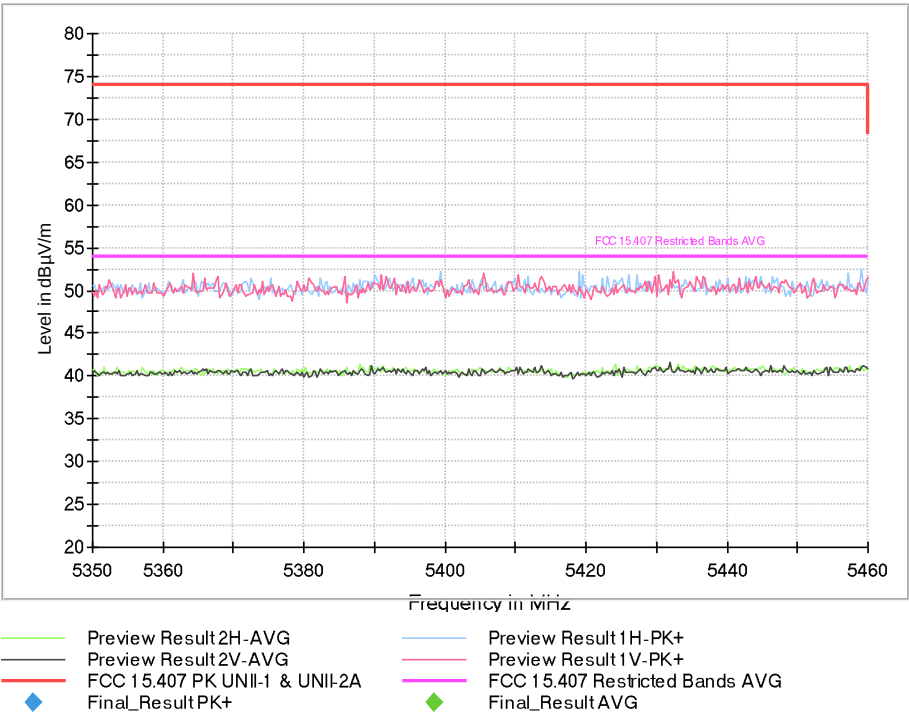
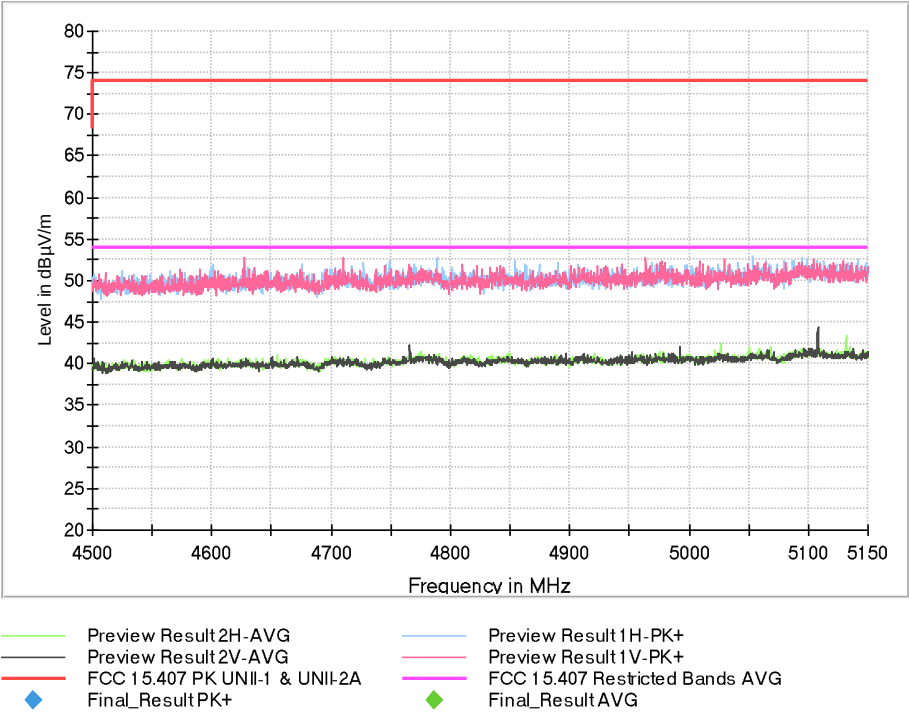
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5240.00000

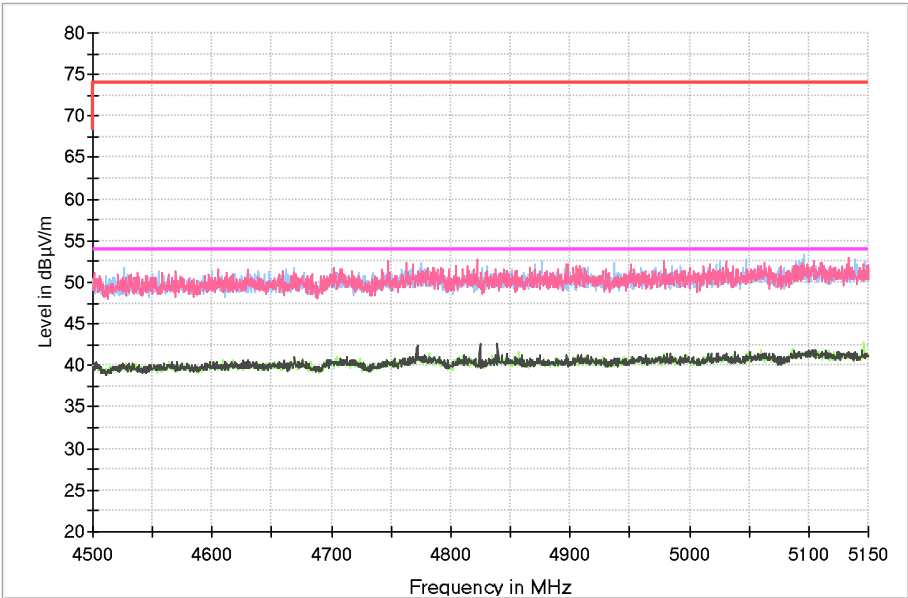
Modulation = 802.11ac VHT20 (OFDM MCS0) MIMO Mode = MIMO

Images:

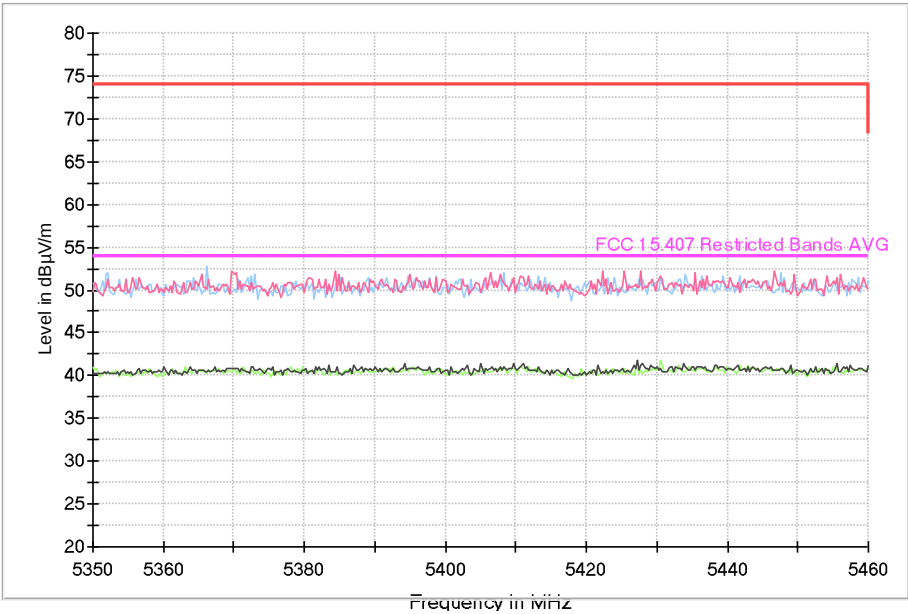


Operation Band MHz = [5150, 5250]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5190.00000
Modulation = 802.11n HT40 (OFDM MCS0) MIMO Mode = MIMO

Images:



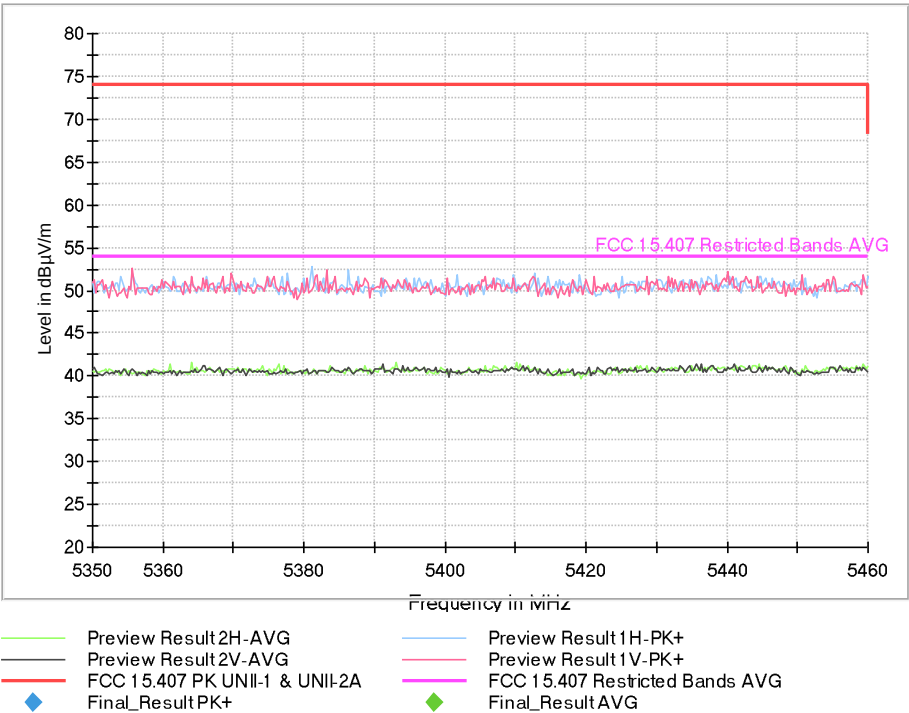
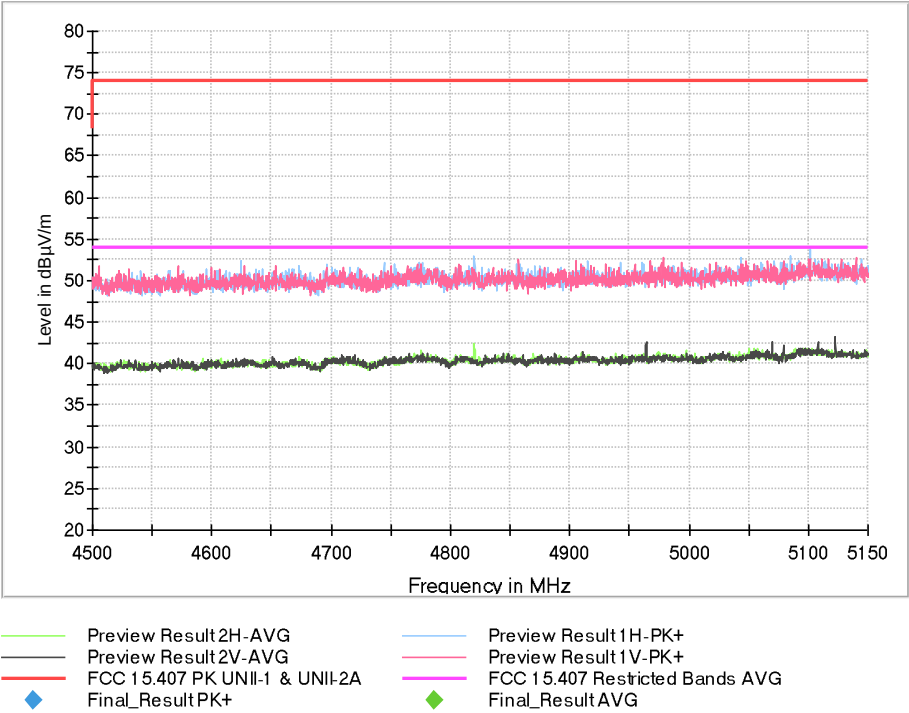
Preview Result 2H-AVG Preview Result 1H-PK+
Preview Result 2V-AVG Preview Result 1V-PK+
FCC 15.407 PK UNII-1 & UNII-2A FCC 15.407 Restricted Bands AVG
Final_Result PK+ Final_Result AVG



Preview Result 2H-AVG Preview Result 1H-PK+
Preview Result 2V-AVG Preview Result 1V-PK+
FCC 15.407 PK UNII-1 & UNII-2A FCC 15.407 Restricted Bands AVG
Final_Result PK+ Final_Result AVG

Operation Band MHz = [5150, 5250]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5230.00000
Modulation = 802.11n HT40 (OFDM MCS0) MIMO Mode = MIMO

Images:



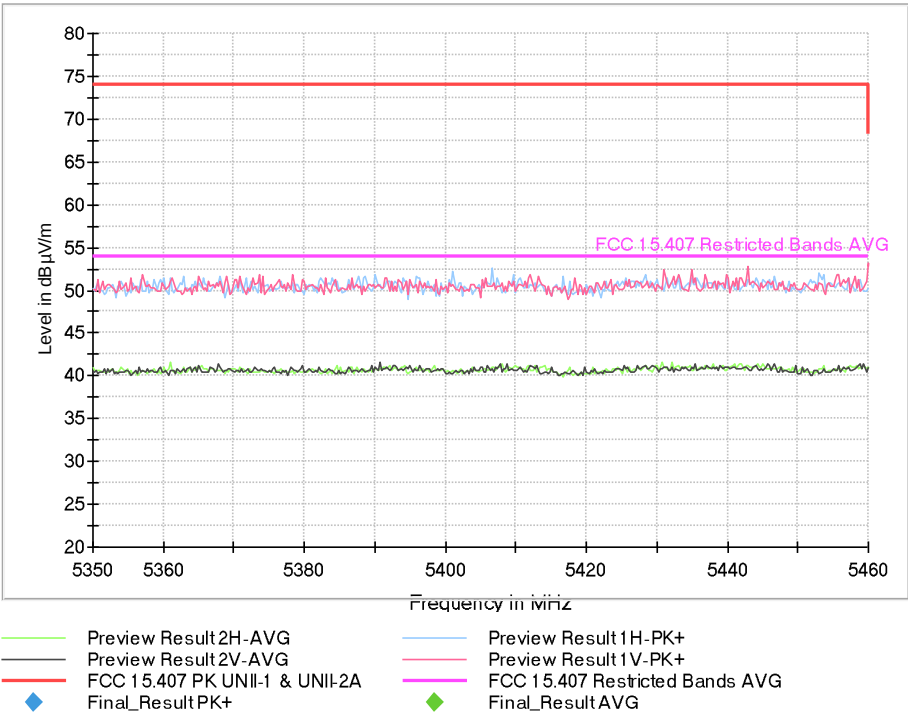
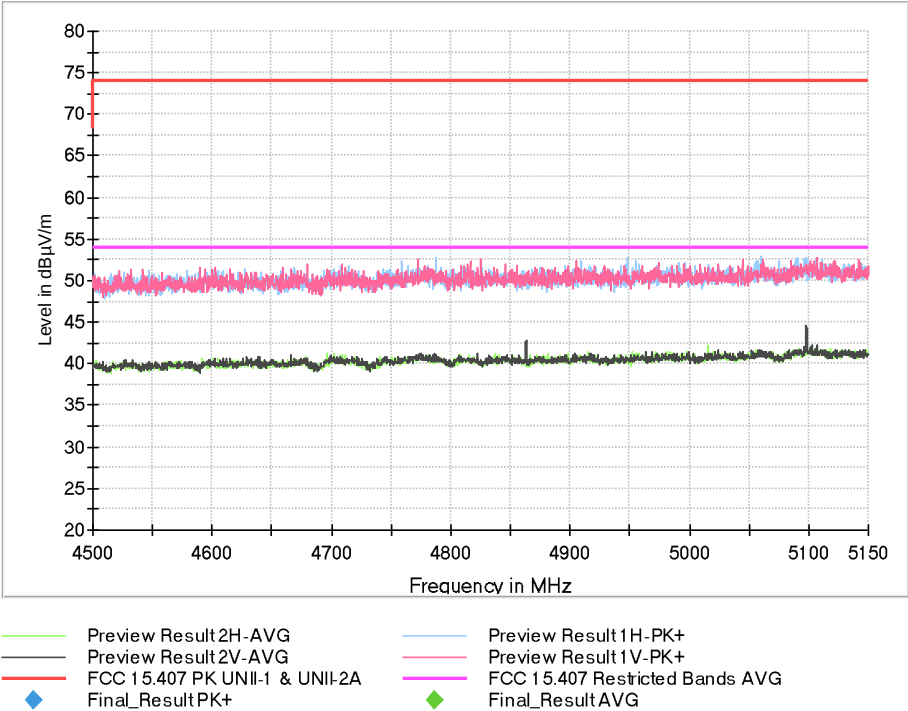
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5190.00000

Modulation = 802.11ac VHT40 (OFDM MCS0) MIMO Mode = MIMO

Images:



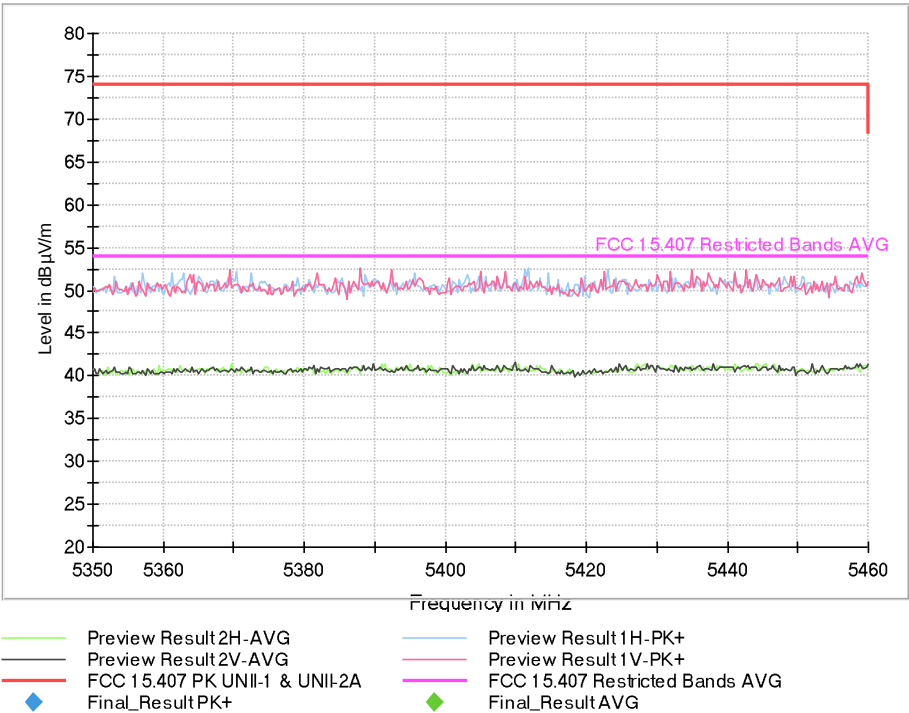
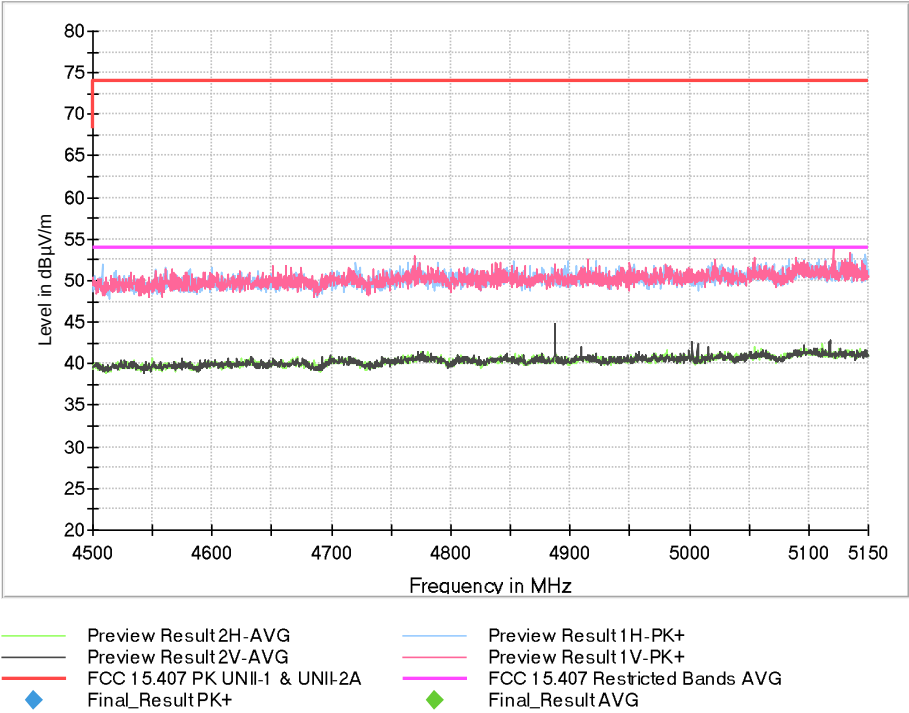
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5230.00000

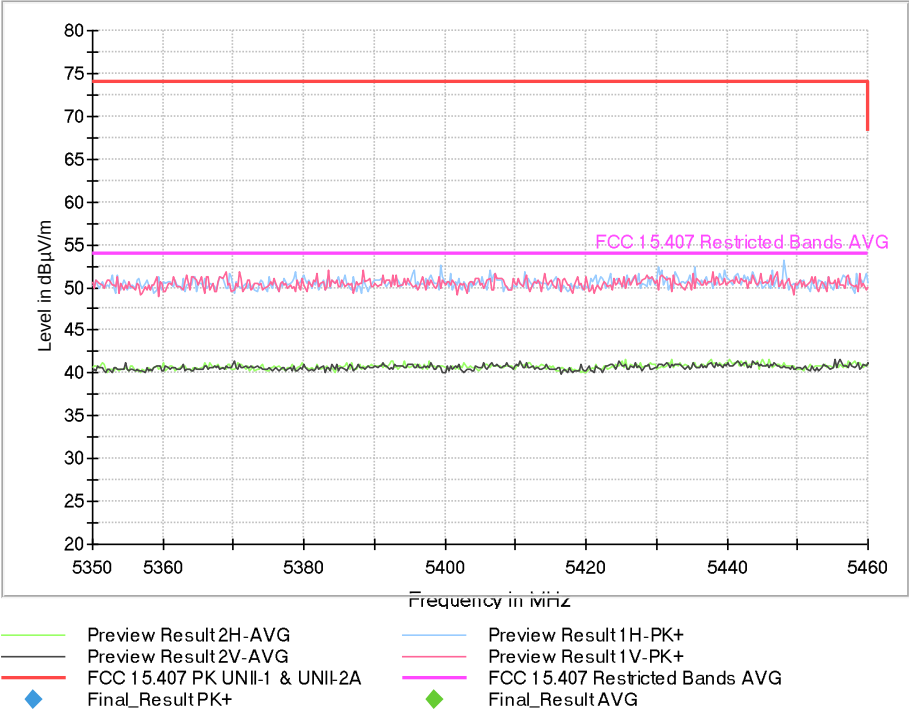
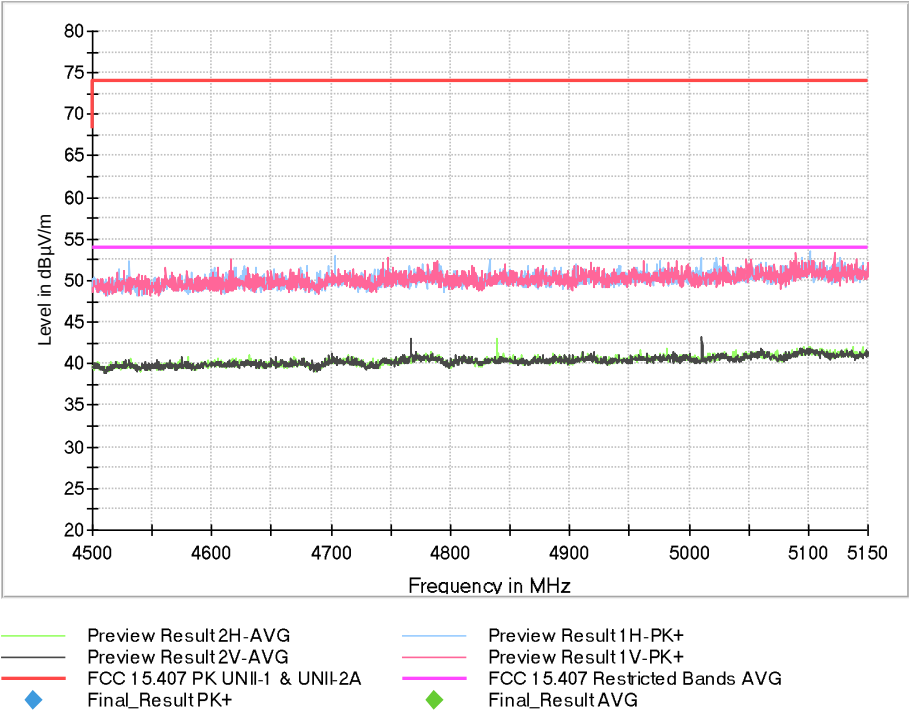
Modulation = 802.11ac VHT40 (OFDM MCS0) MIMO Mode = MIMO

Images:



Operation Band MHz = [5150, 5250]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5210.00000
Modulation = 802.11ac VHT80 (OFDM MCS0) MIMO Mode = MIMO

Images:



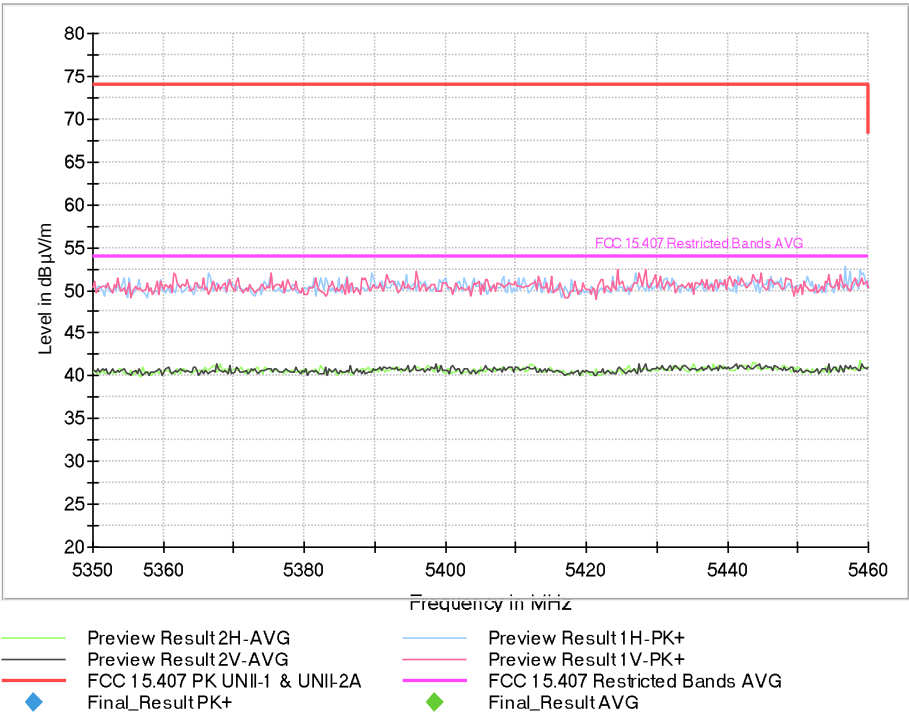
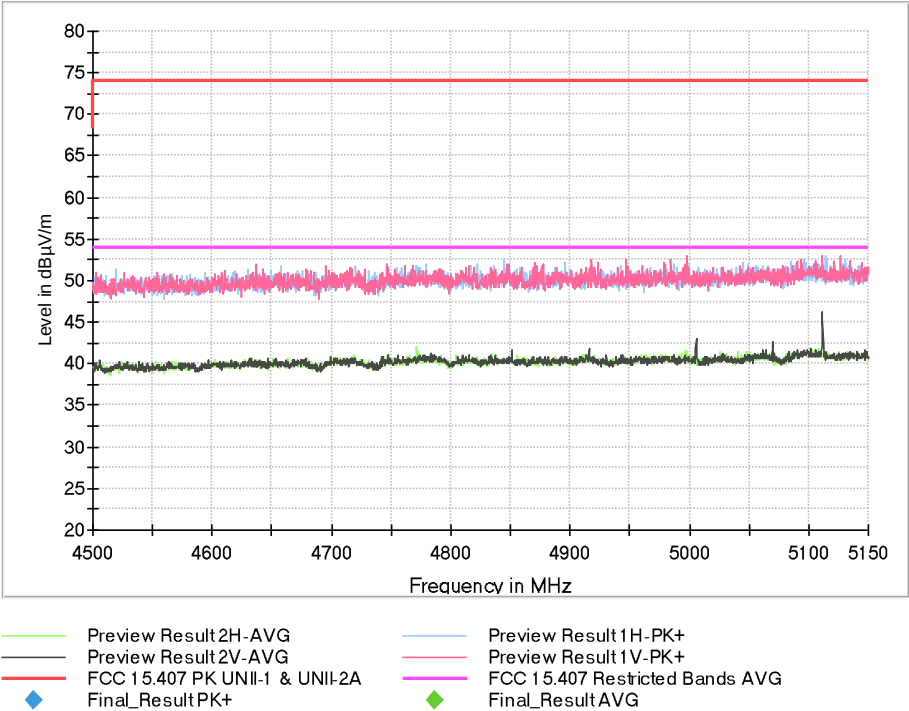
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5180.00000

Modulation = 802.11ax HE20 (OFDMA MCS0) SU MIMO Mode = MIMO

Images:



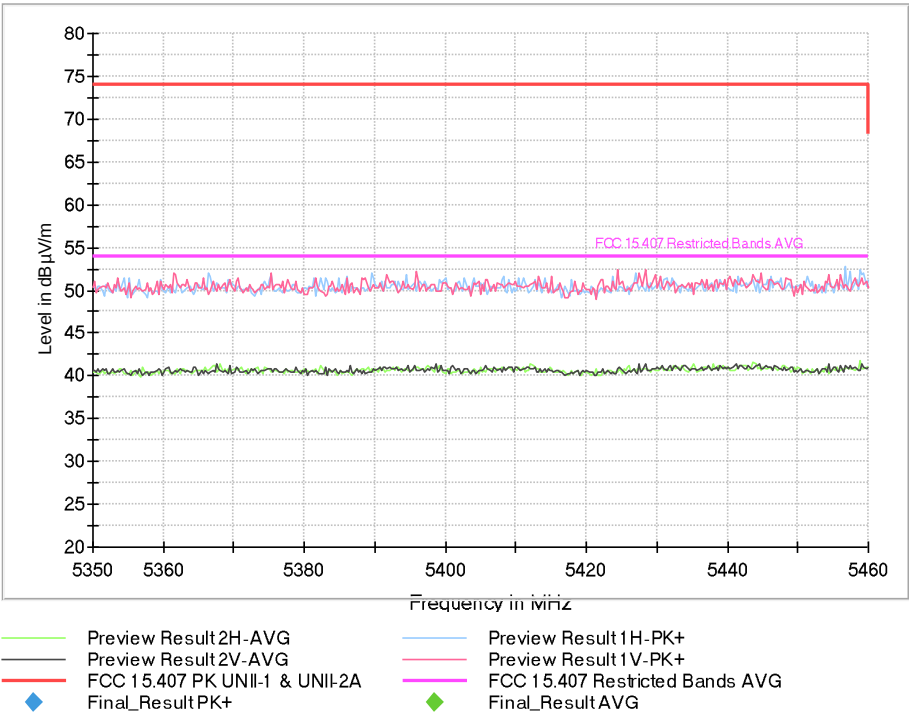
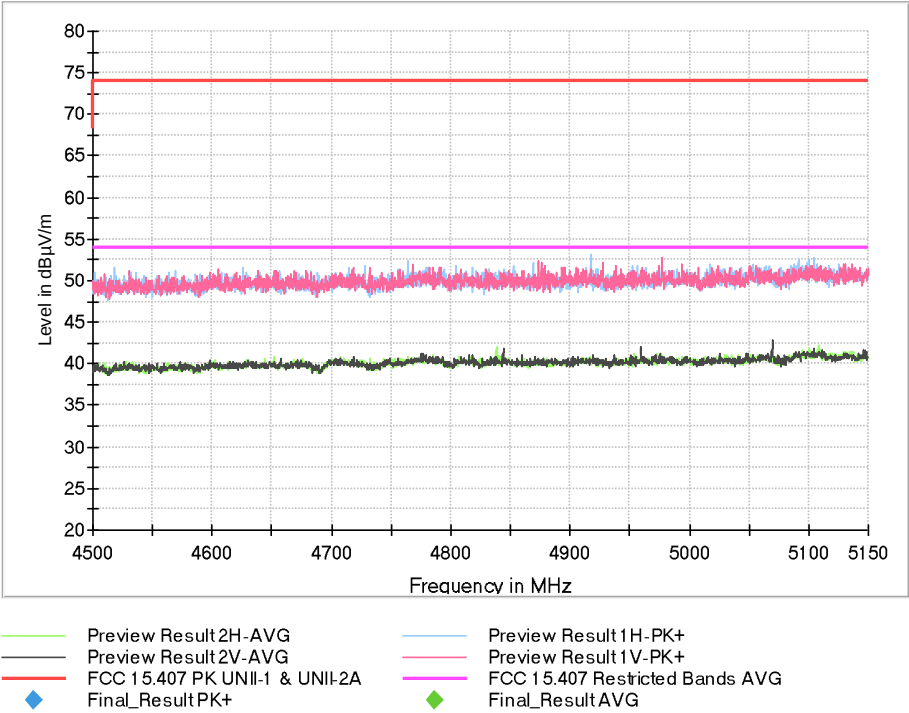
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5220.00000

Modulation = 802.11ax HE20 (OFDMA MCS0) SU MIMO Mode = MIMO

Images:



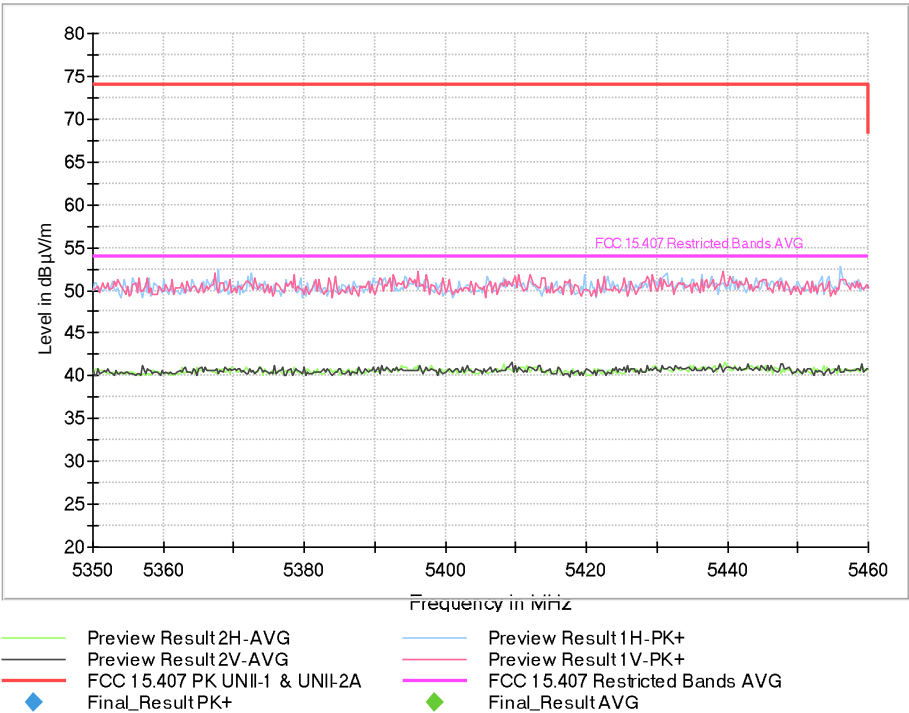
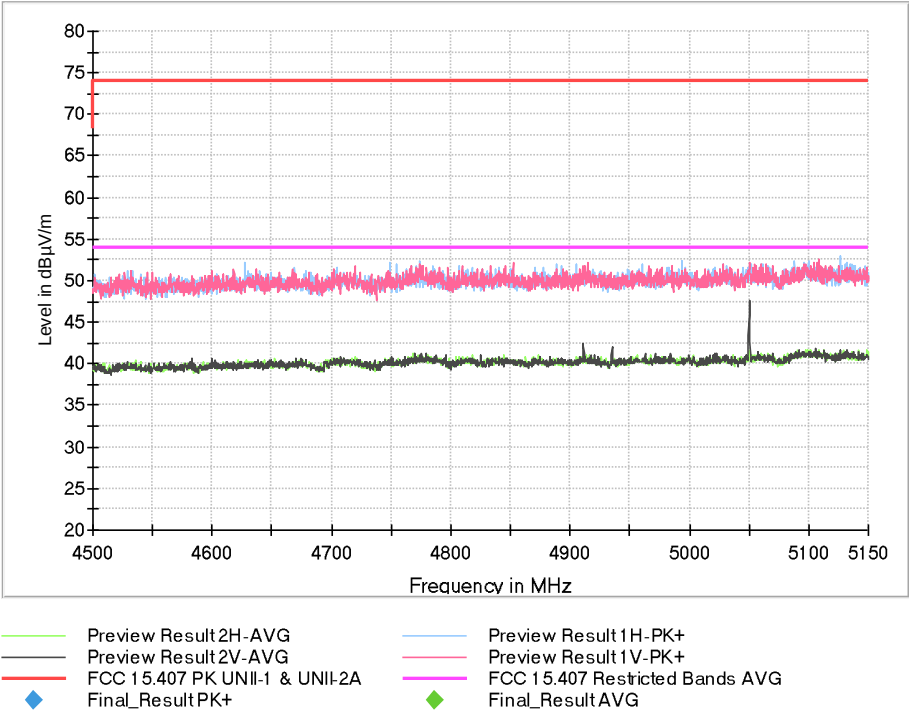
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5240.00000

Modulation = 802.11ax HE20 (OFDMA MCS0) SU MIMO Mode = MIMO

Images:



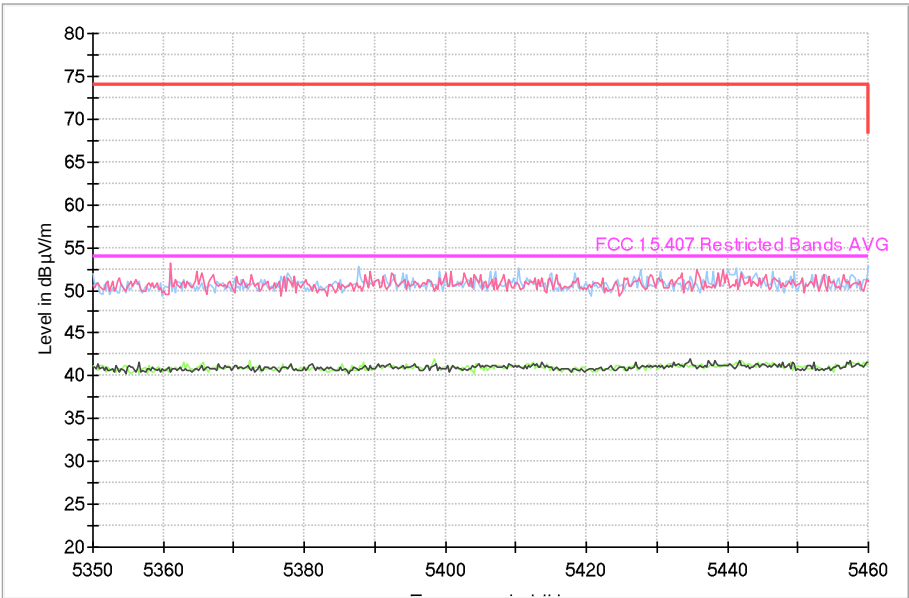
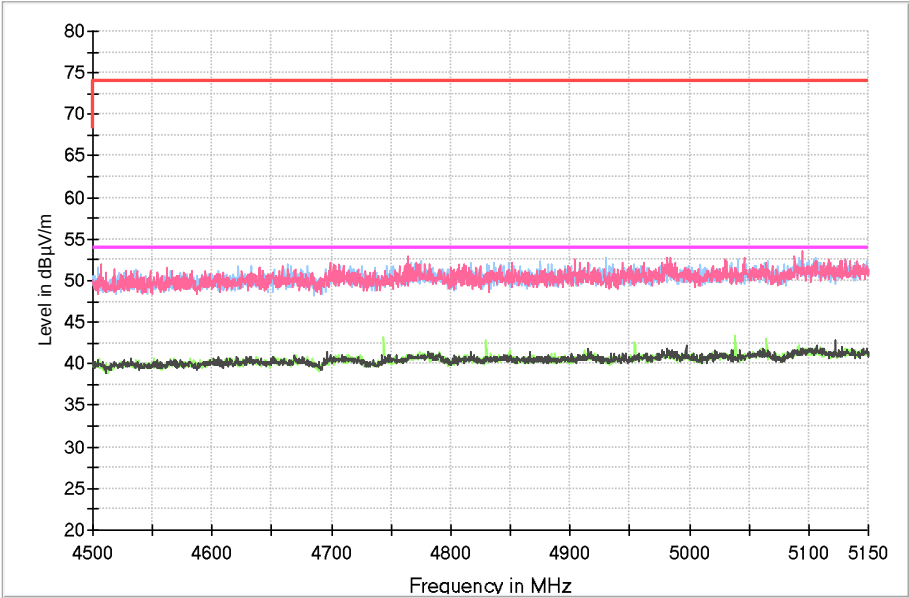
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5180.00000

Modulation = 802.11ax HE20 (OFDMA MCS0) RU26 MIMO Mode = MIMO

Images:



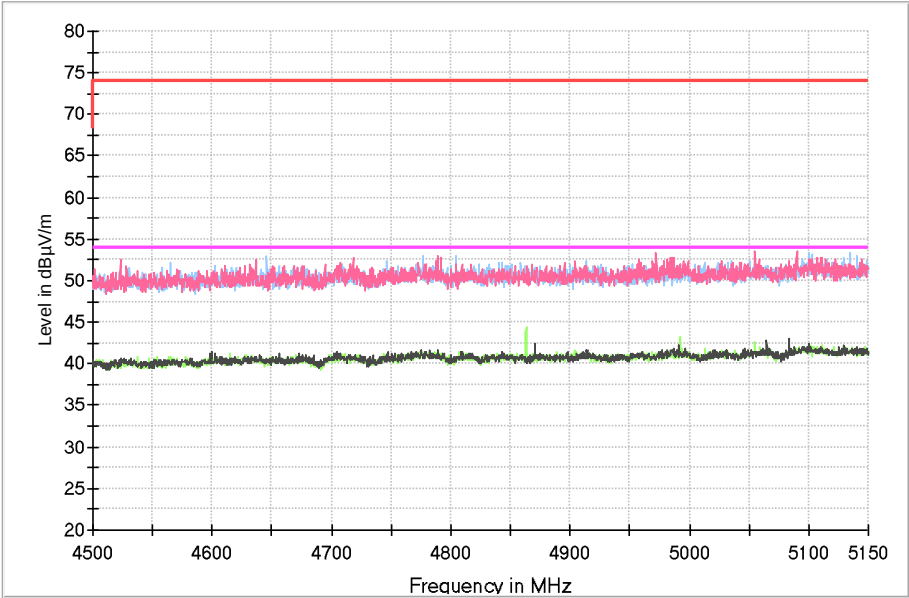
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

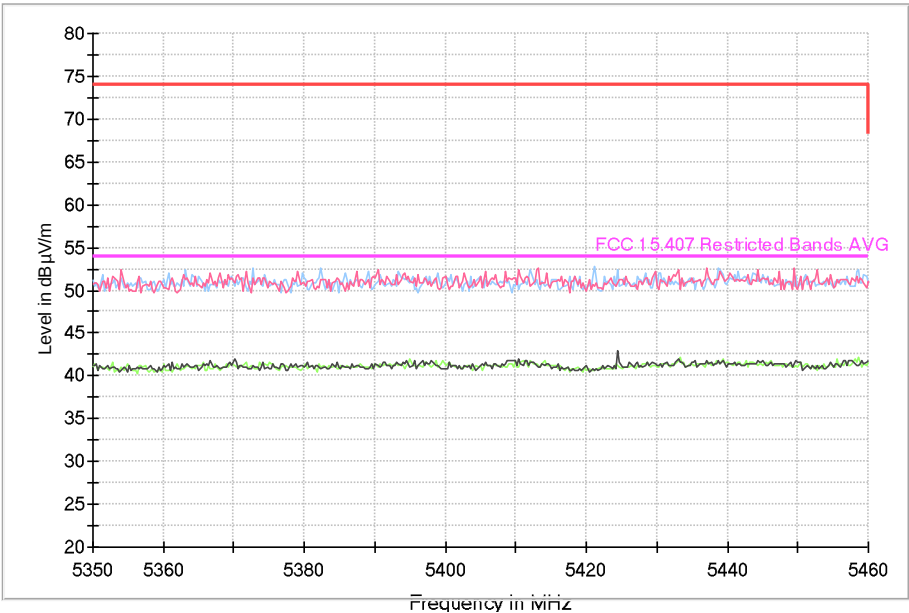
Frequency MHz = 5220.00000

Modulation = 802.11ax HE20 (OFDMA MCS0) RU26 MIMO Mode = MIMO

Images:



Preview Result 2H-AVG
Preview Result 2V-AVG
FCC 15.407 PK UNII-1 & UNII-2A
Final_Result PK+
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.407 Restricted Bands AVG
Final_Result AVG



Preview Result 2H-AVG
Preview Result 2V-AVG
FCC 15.407 PK UNII-1 & UNII-2A
Final_Result PK+
Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.407 Restricted Bands AVG
Final_Result AVG

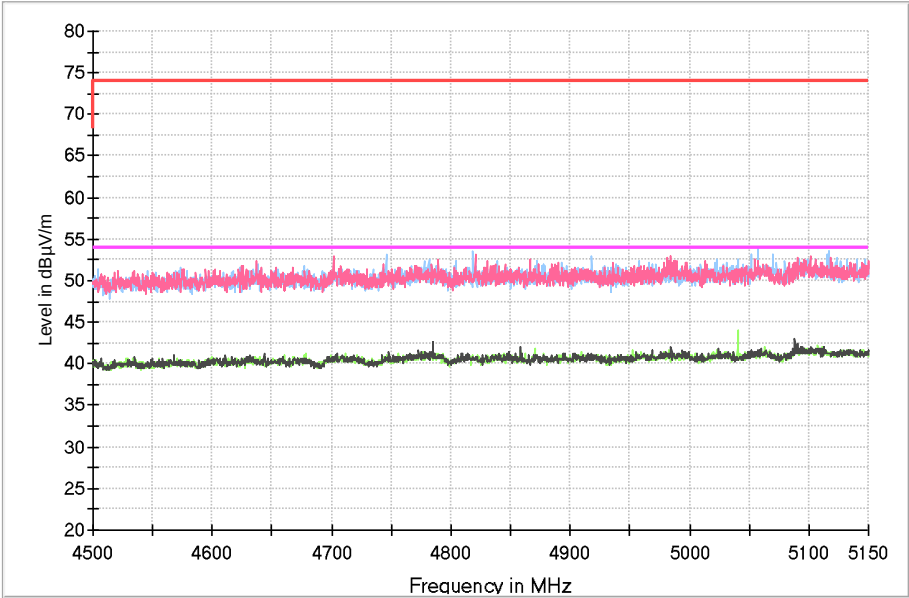
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5240.00000

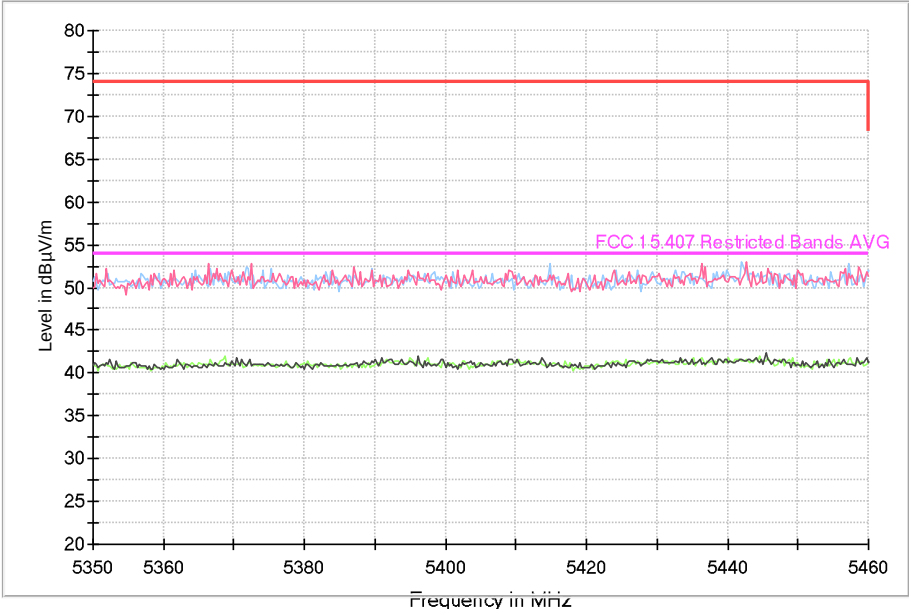
Modulation = 802.11ax HE20 (OFDMA MCS0) RU26 MIMO Mode = MIMO

Images:



Preview Result 2H-AVG
Preview Result 2V-AVG
FCC 15.407 PK UNII-1 & UNII-2A
Final_Result PK+

Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.407 Restricted Bands AVG
Final_Result AVG



Preview Result 2H-AVG
Preview Result 2V-AVG
FCC 15.407 PK UNII-1 & UNII-2A
Final_Result PK+

Preview Result 1H-PK+
Preview Result 1V-PK+
FCC 15.407 Restricted Bands AVG
Final_Result AVG

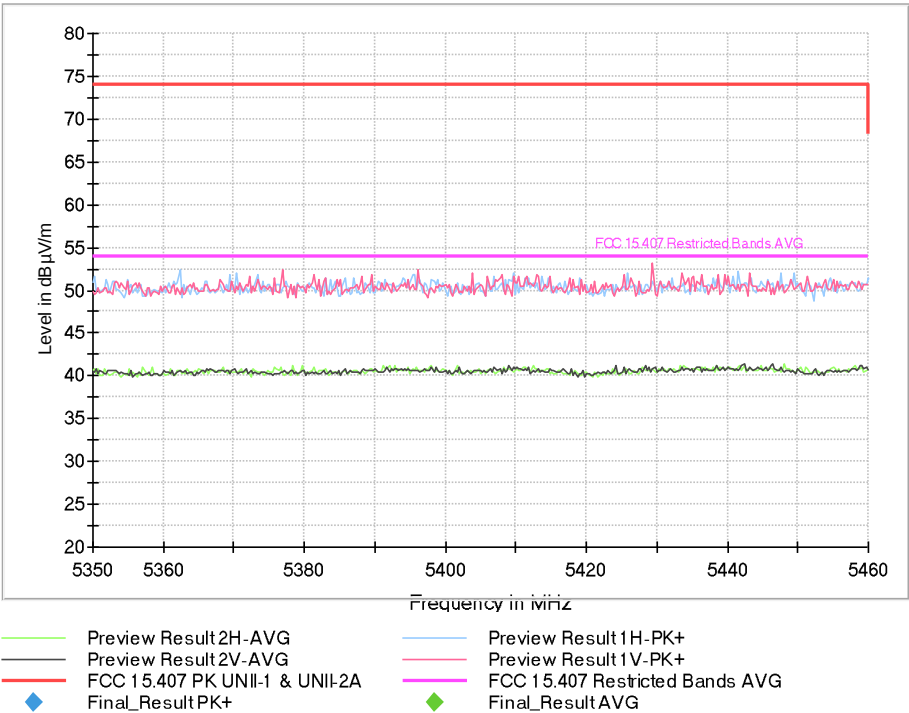
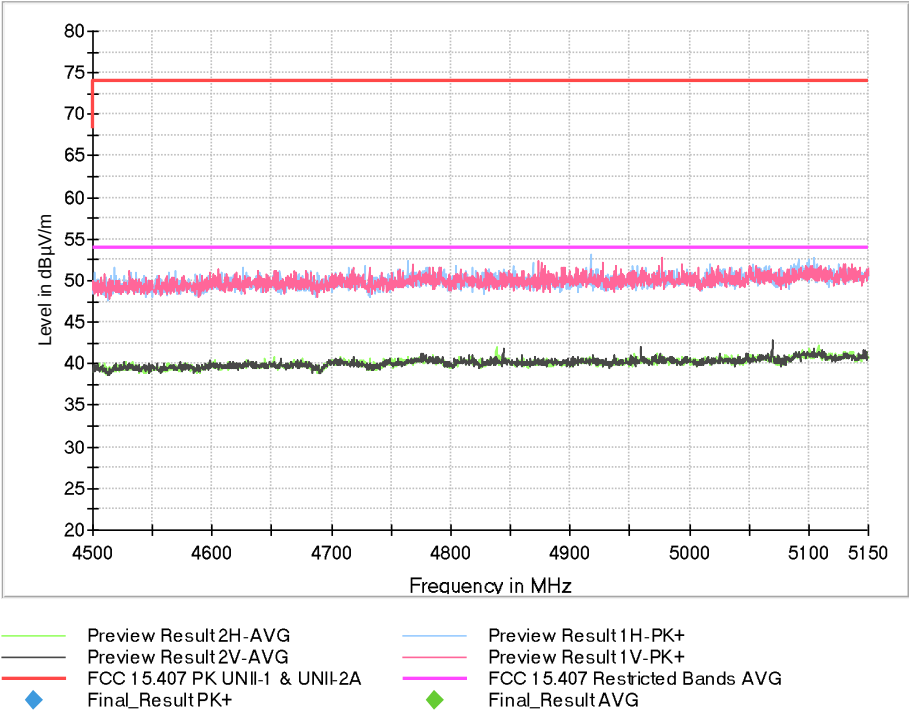
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5190.00000

Modulation = 802.11ax HE40 (OFDMA MCS0) SU MIMO Mode = MIMO

Images:



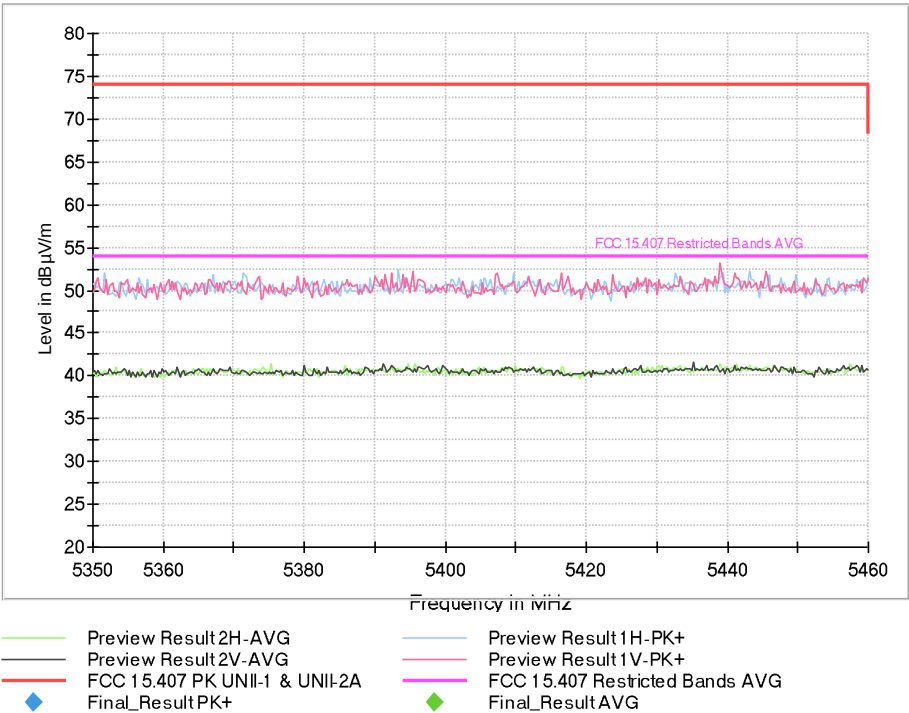
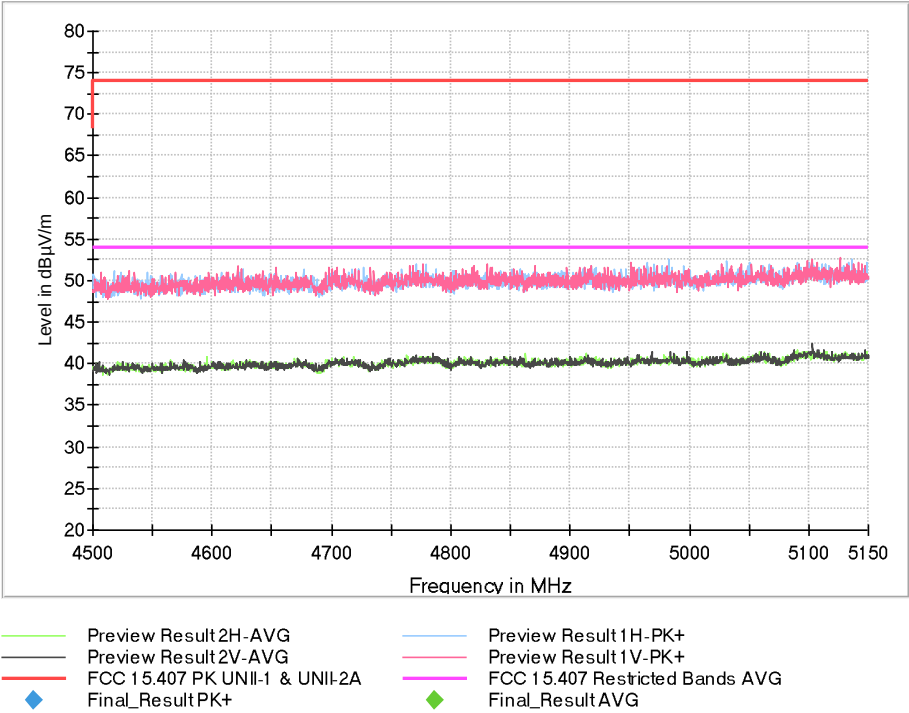
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5230.00000

Modulation = 802.11ax HE40 (OFDMA MCS0) SU MIMO Mode = MIMO

Images:



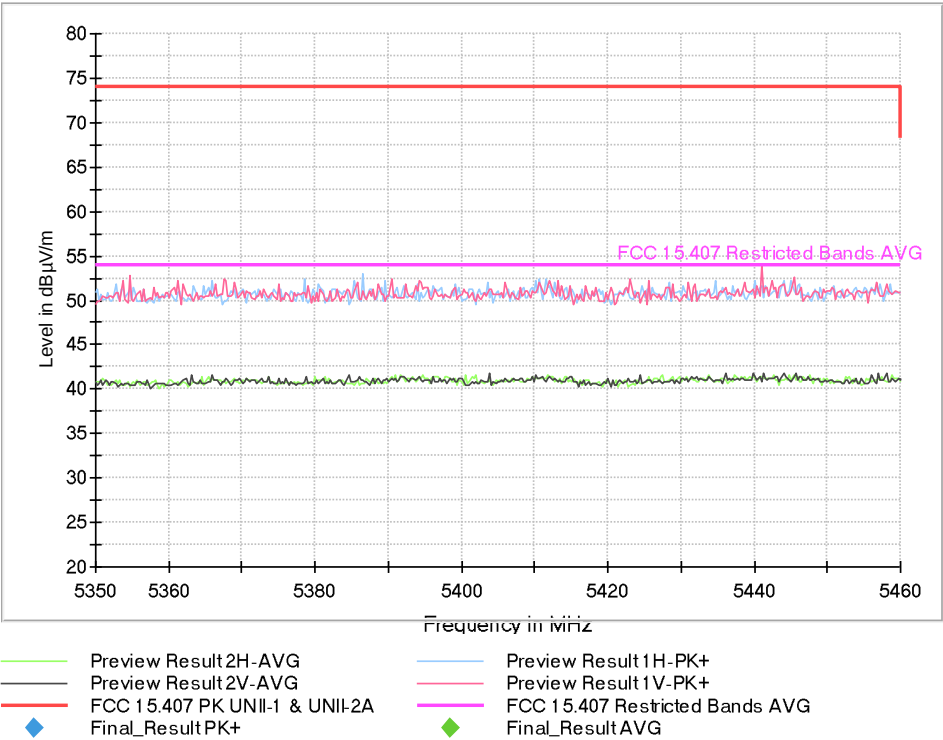
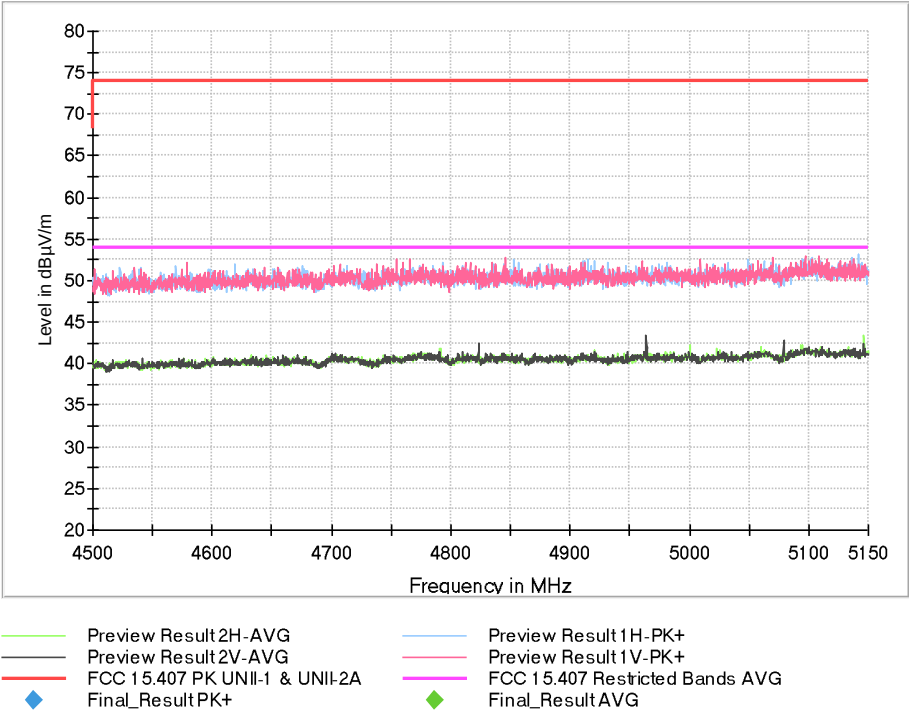
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5190.00000

Modulation = 802.11ax HE40 (OFDMA MCS0) RU26 MIMO Mode = MIMO

Images:



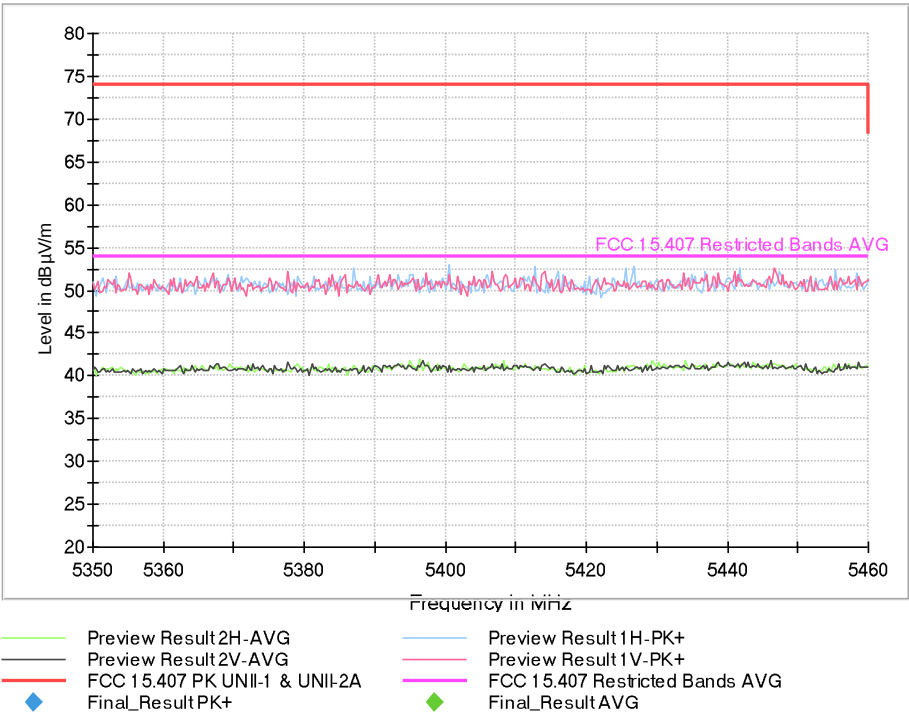
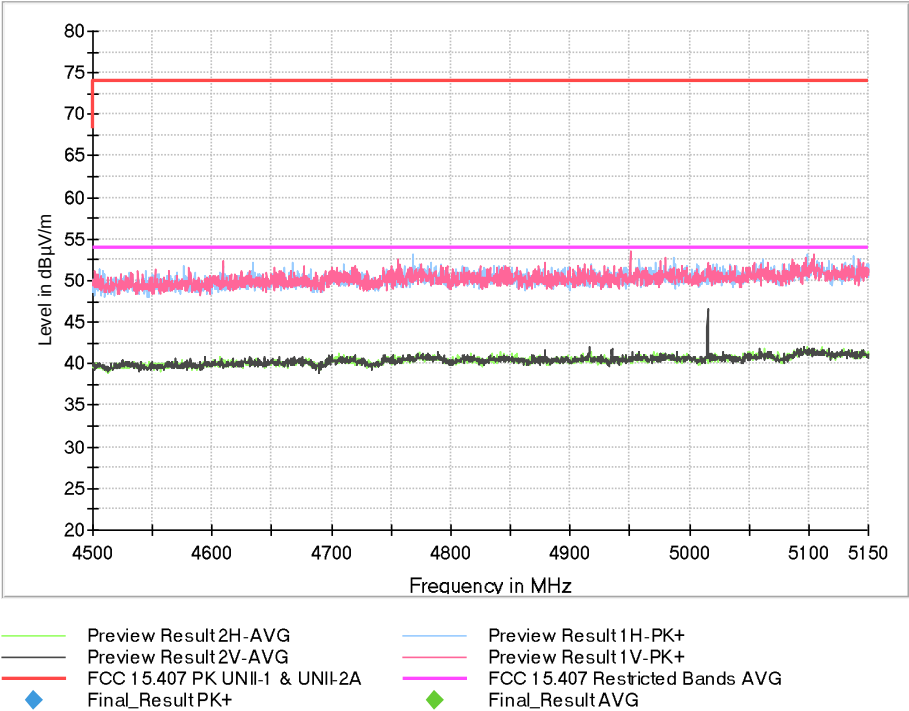
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5230.00000

Modulation = 802.11ax HE40 (OFDMA MCS0) RU26 MIMO Mode = MIMO

Images:



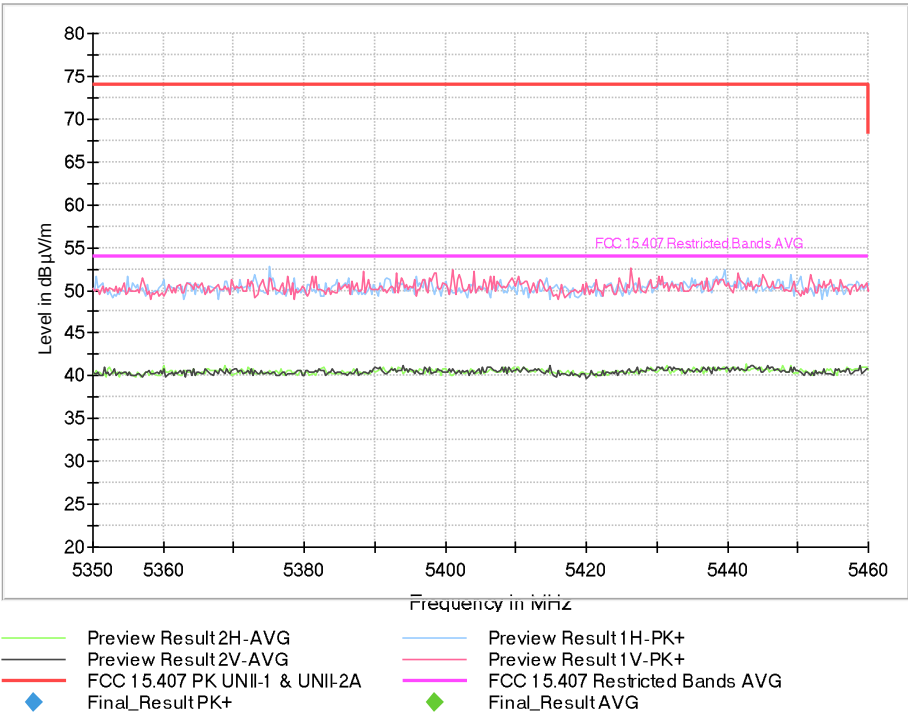
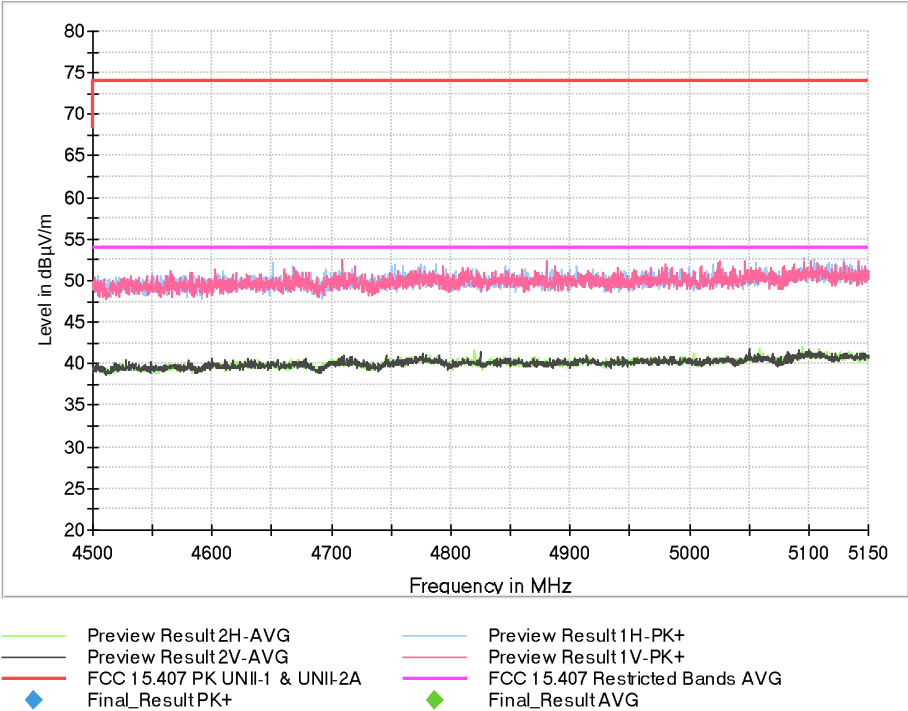
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5210.00000

Modulation = 802.11ax HE80 (OFDMA MCS0) SU MIMO Mode = MIMO

Images:



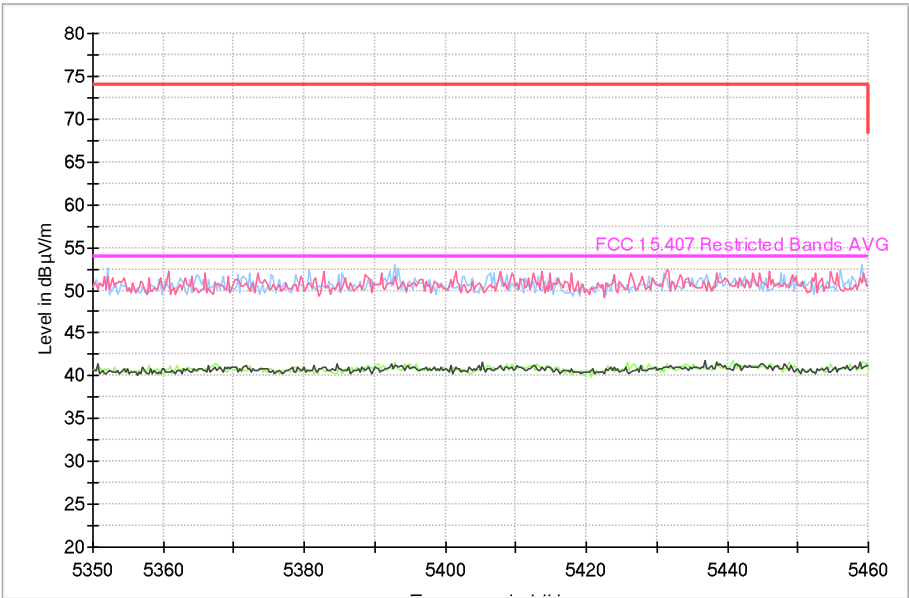
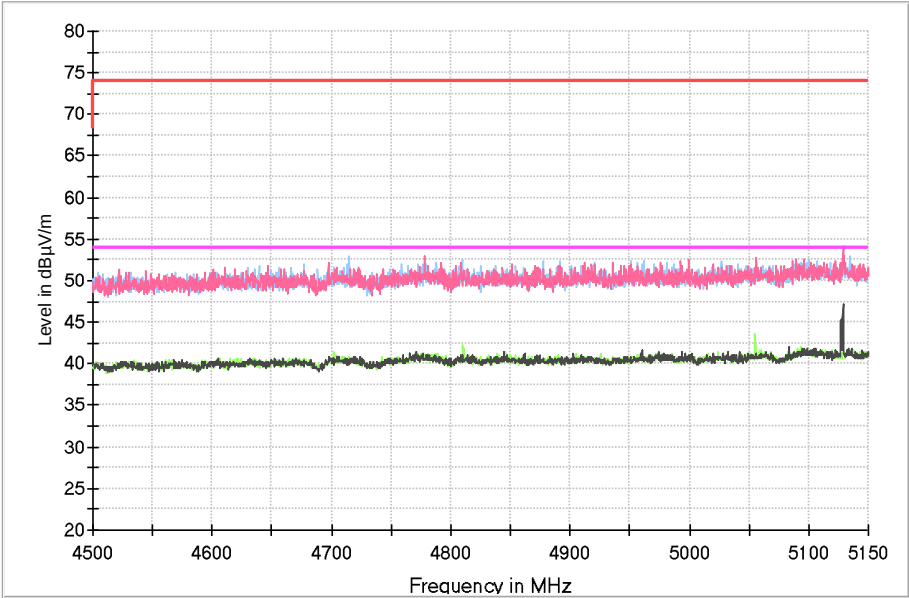
Operation Band MHz = [5150, 5250]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5210.00000

Modulation = 802.11ax HE80 (OFDMA MCS0) RU26 MIMO Mode = MIMO

Images:



Appendix B: Test results for the U-NII-3: 5.725 - 5.85 GHz Band

TEST CASES DETAILS	70
FCC 47 CFR PART 15.407 / RSS-247 / RSS-248	70
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TEST CASES DETAILS

FCC 47 CFR Part 15.407 / RSS-247 / RSS-248

RSS-247 6.2.4.1 / FCC 15.407 (a) (3) [Avcp] Maximum Conducted output power UNII-3

Limits

* FCC 15.407: For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

RSS-247: The maximum conducted output power shall not exceed 1 W.

Modulation: 802.11n HT40 (OFDM MCS0 13.5 Mbit/s)

Results

Operation Band (MHz)	Port	Freq (MHz)	TPC	Max EIRP (dBm)	Avg Power (dBm)
[5725, 5850]	3+4	5795.00000	No	8.09	2.99

Verdict

Pass

FCC 15.407 (b) (4) (6) / RSS-247 7.3.4.4 [Rse] Transmitter Out of Band Radiated Emissions For transmitters operating in the 5.725–5.85 GHz

Limits

For transmitters operating in the 5.725–5.85 GHz band:

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

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

Frequency Range (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	300
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 40000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit corresponding to 20 dB above the indicated values in the table is specified when measuring with peak detector function.

Frequency range tested for Radiated emissions:

Start frequency: no radiofrequency signal generated in the device found below 10th sub-harmonic, no further investigation required.

Stop frequency: it has been performed the radiated spurious emissions until 10th harmonic.

Results

Modulation: 802.11n HT20 (OFDM MCS0 6.5 Mbit/s)

MIMO Mode: MIMO

Operation Band (MHz)	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[5725, 5850]	[0.03, 1]	5745.00000	30.000000	32.92	H	PK
			30.000000	27.58	H	QP
			594.103500	26.78	H	QP
			594.103500	41.30	H	PK
			835.585000	46.23	H	PK
			835.585000	37.70	H	QP
			836.361000	44.34	H	PK
			836.361000	35.90	H	QP
			839.659000	49.32	H	PK
			839.659000	39.98	H	QP
			875.015500	41.43	V	PK
			875.015500	39.78	V	QP

Verdict

Pass

Attachments

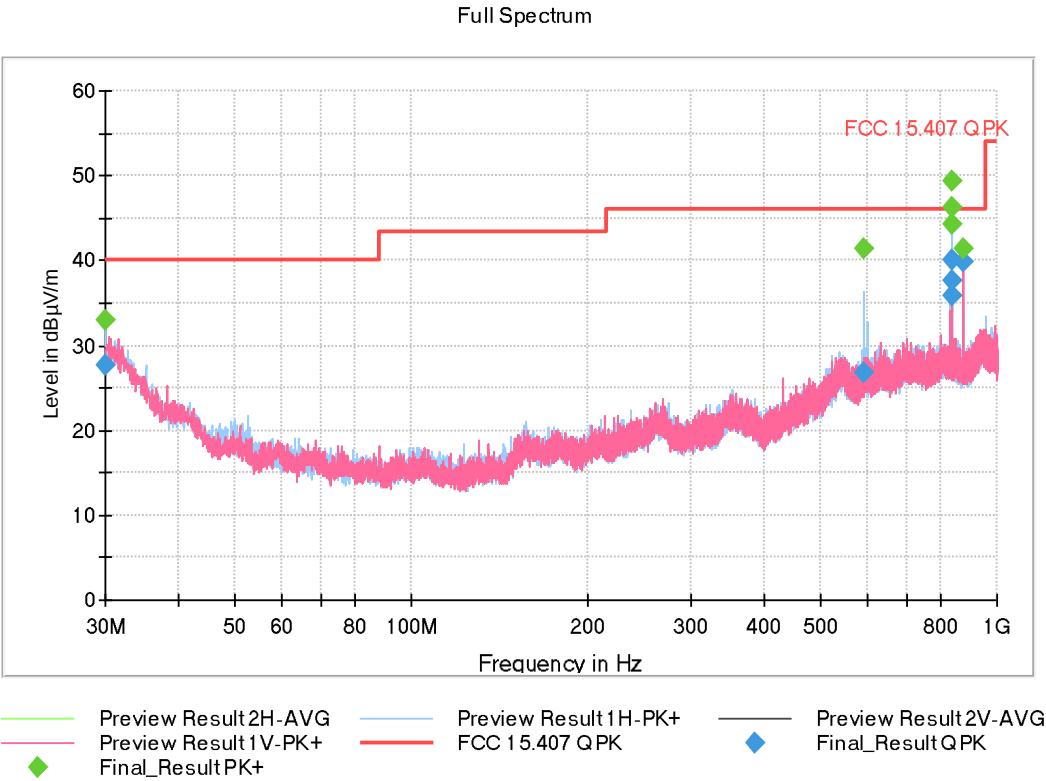
Spectrum Analyzer Parameters

Receiver: [ESW 44]						
30 MHz - 1 GHz	48,5 kHz	PK+	100 kHz	1 s	0 dB	
1 GHz - 6,5 GHz	275 kHz	PK+ ; AVG	1 MHz	1 s	0 dB	
6,5 GHz - 17 GHz	525 kHz	PK+ ; AVG	1 MHz	1 s	0 dB	
17 GHz - 40 GHz	766,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB	

Operation Band MHz = [5725, 5850]

Frequency Range GHz = [0.03, 1] Frequency MHz = 5745.00000

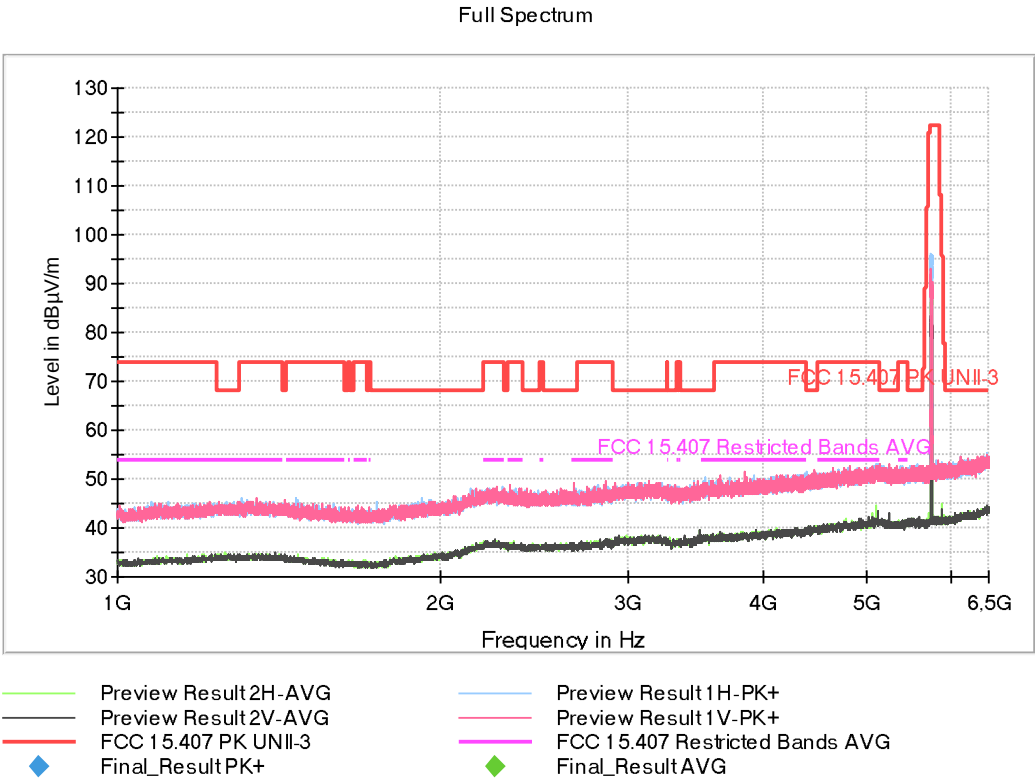
Images:



This plot is valid for all channels

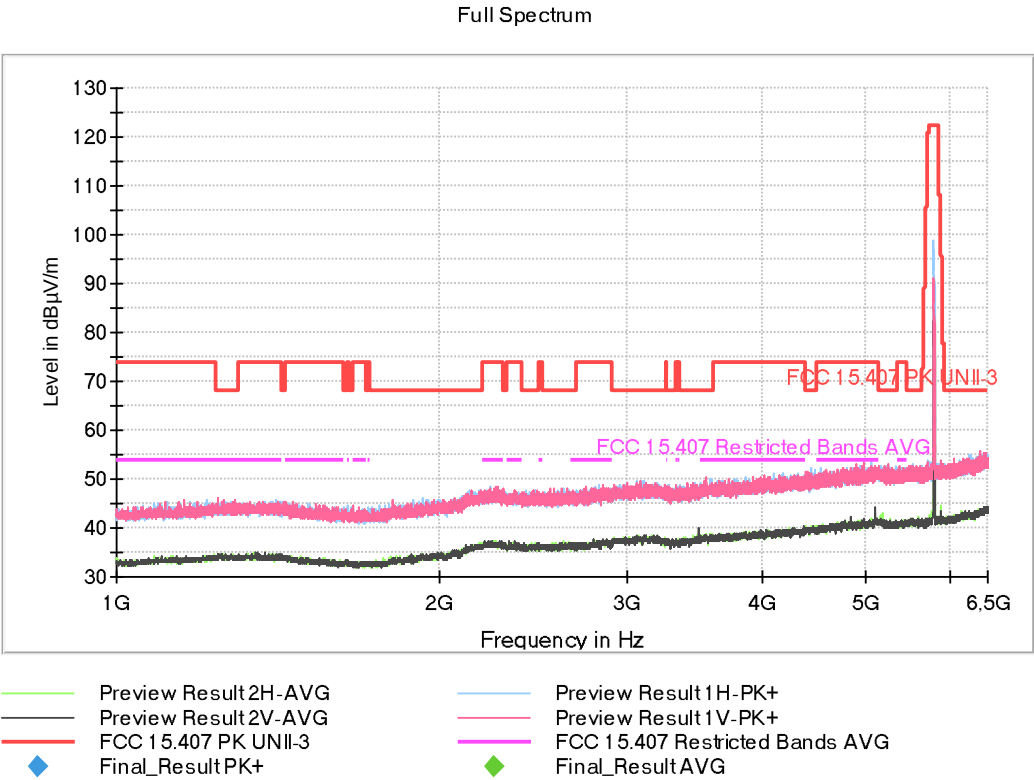
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5745.00000

Images:



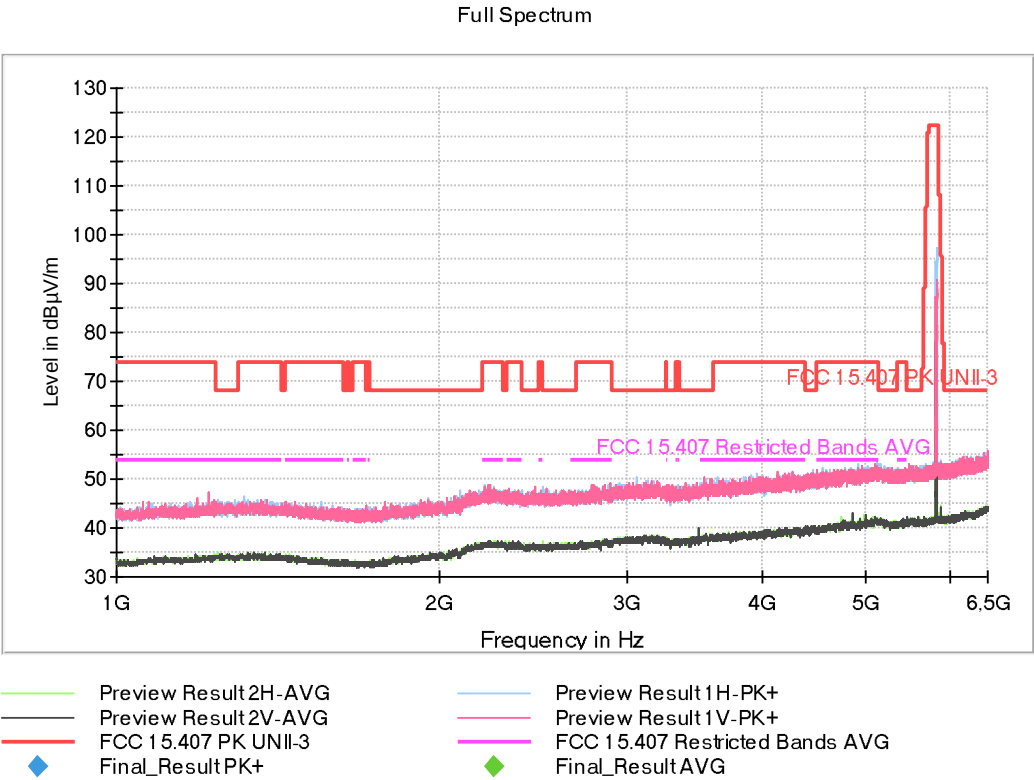
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5785.00000

Images:



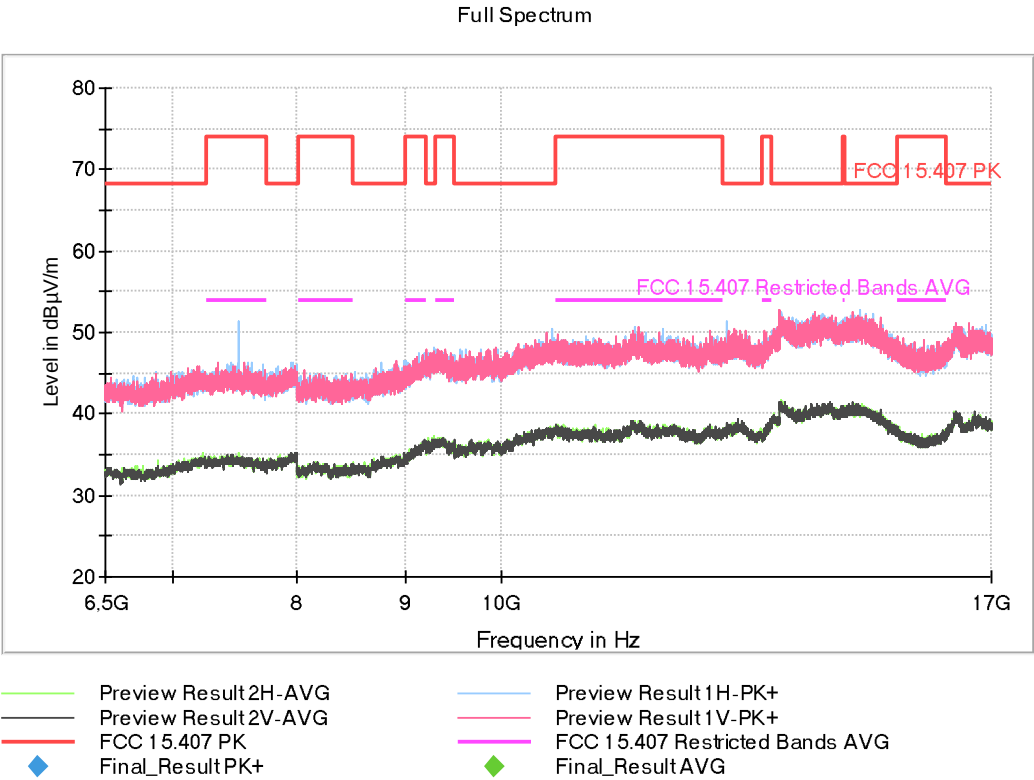
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5825.00000

Images:



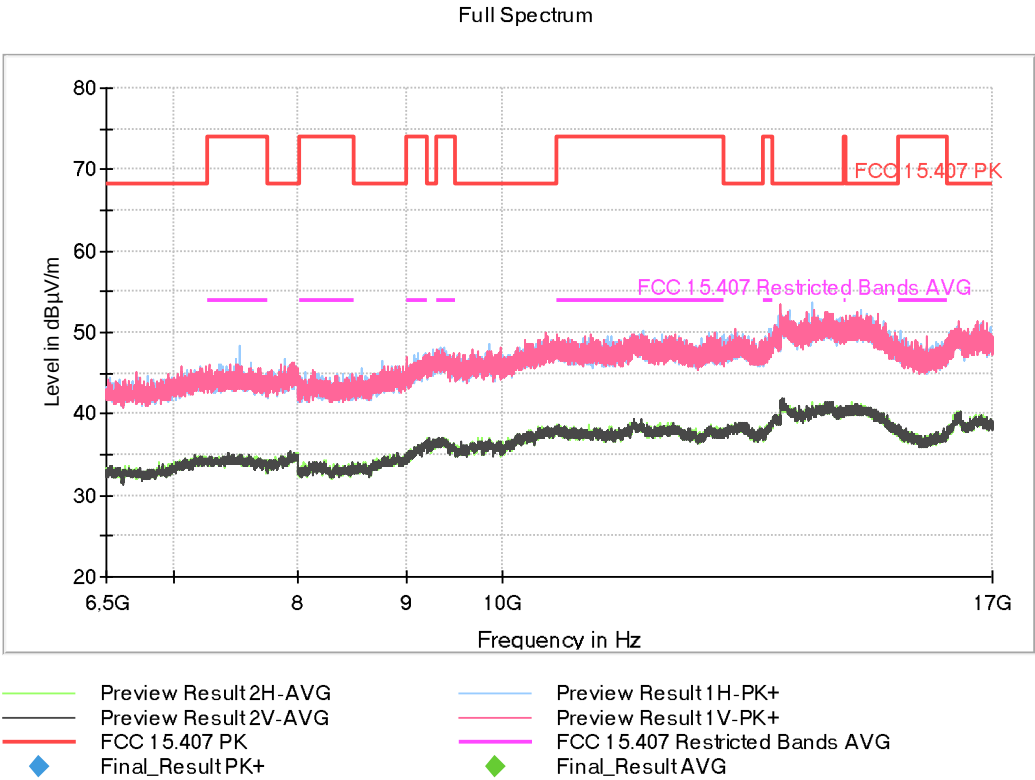
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [6.5, 17] Frequency MHz = 5745.00000

Images:



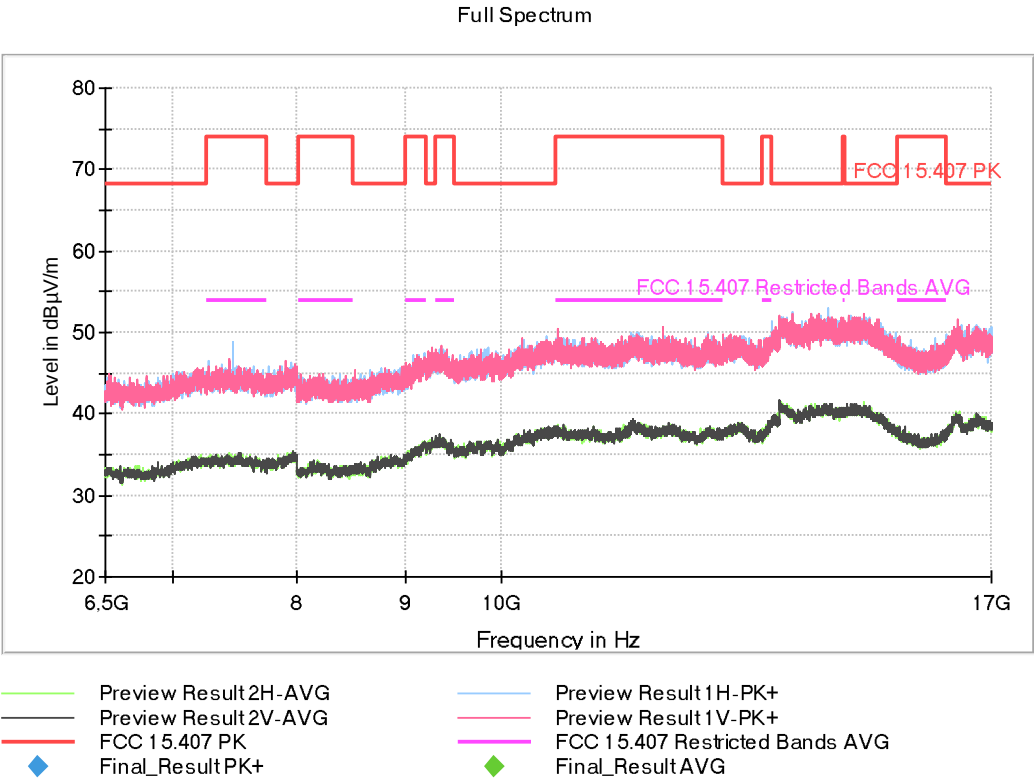
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [6.5, 17] Frequency MHz = 5785.00000

Images:



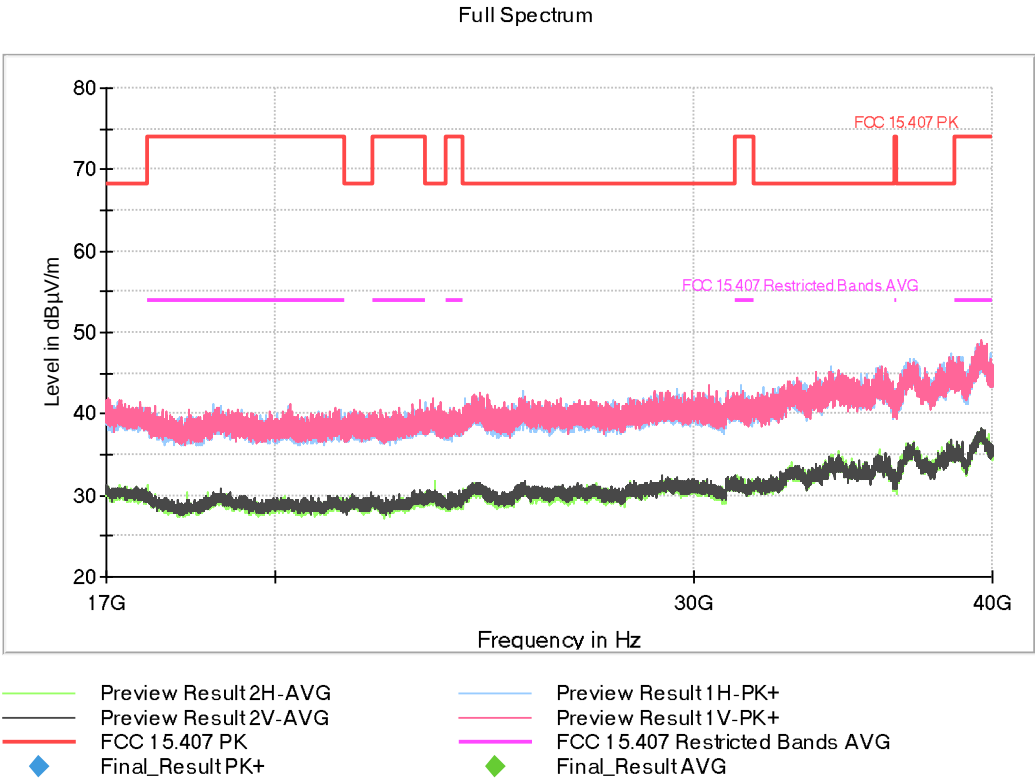
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [6.5, 17] Frequency MHz = 5825.00000

Images:



Operation Band MHz = [5725, 5850]
Frequency Range GHz = [17, 40] Frequency MHz = 5745.00000

Images:



This plot is valid for all channels.

Results

Modulation: 802.11ax HE40 (OFDMA MCS0) RU26

MIMO Mode: MIMO

Operation Band (MHz)	Freq Rng (GHz)	Freq (MHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Po I	Detector
[5725, 5850]	[0.03, 1]	5755.00000	30.000000	29.78	H	QP
			30.000000	35.61	H	PK
			835.585000	30.09	H	PK
			835.585000	24.47	H	QP
			836.797500	44.62	H	PK
			836.797500	33.76	H	QP
			839.756000	45.98	H	PK
			839.756000	37.87	H	QP
			840.289500	51.60	H	PK
			840.289500	45.60	H	QP
			875.015500	43.10	V	QP
			875.015500	44.48	V	PK

Verdict

Pass

Attachments

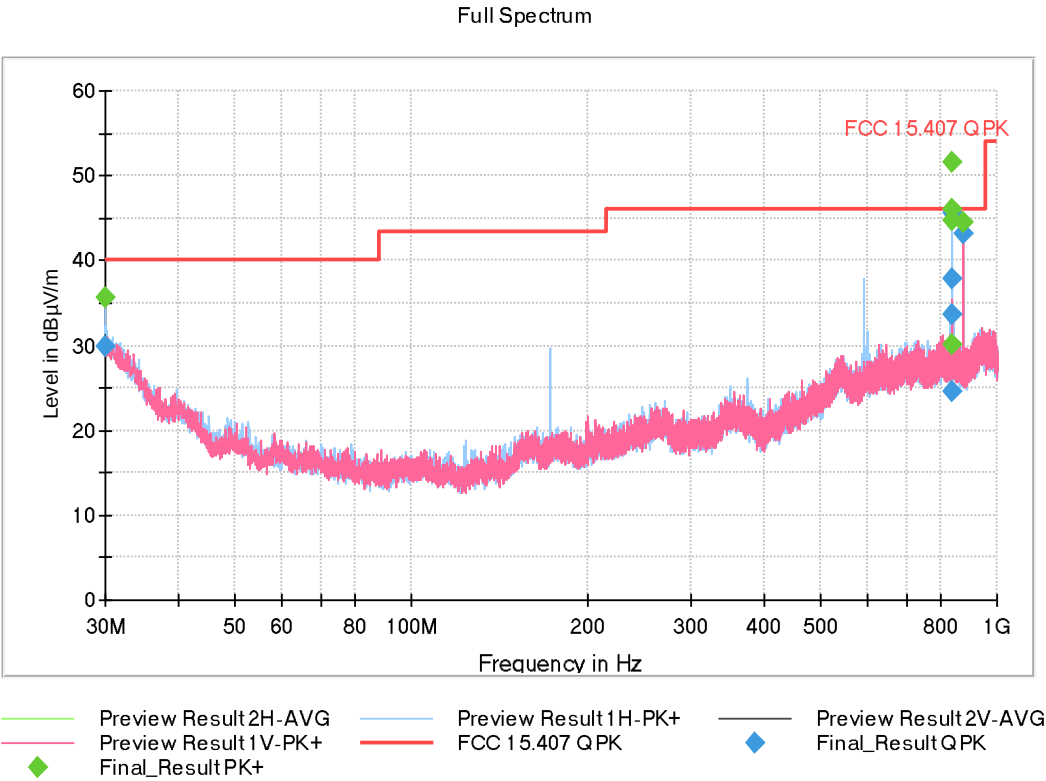
Spectrum Analyzer Parameters

Receiver: [ESW 44]						
30 MHz - 1 GHz	48,5 kHz	PK+	100 kHz	1 s	0 dB	
1 GHz - 6,5 GHz	275 kHz	PK+ ; AVG	1 MHz	1 s	0 dB	
6,5 GHz - 17 GHz	525 kHz	PK+ ; AVG	1 MHz	1 s	0 dB	
17 GHz - 40 GHz	766,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB	

Operation Band MHz = [5725, 5850]

Frequency Range GHz = [0.03, 1] Frequency MHz = 5755.00000

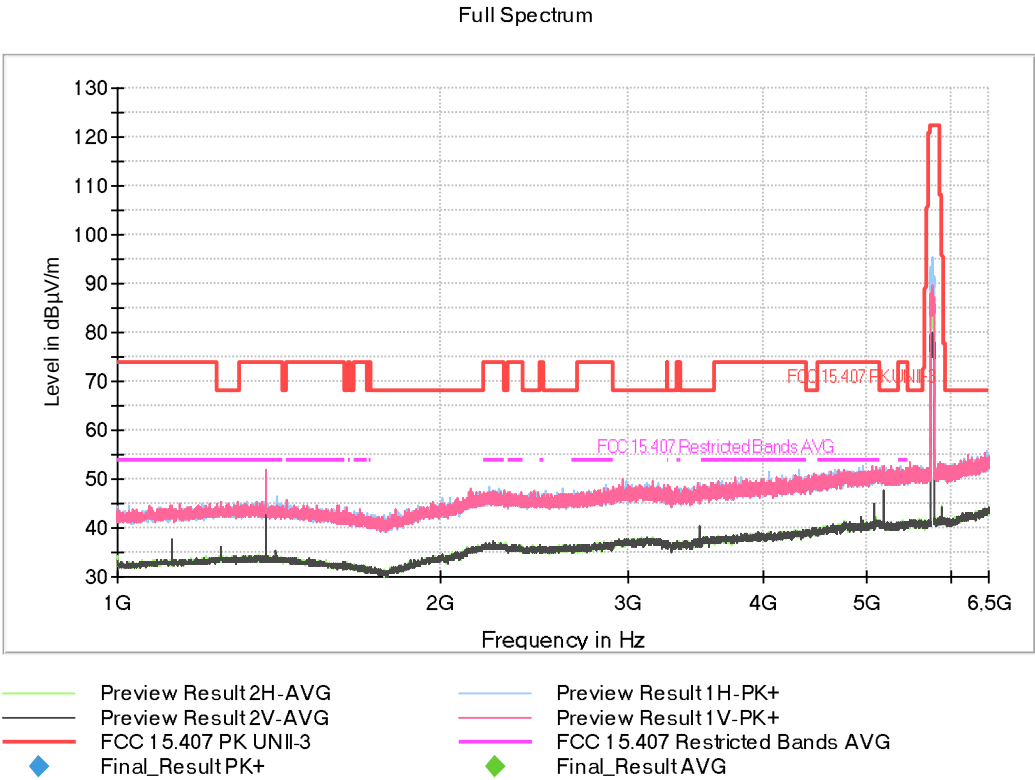
Images:



This plot is valid for all channels

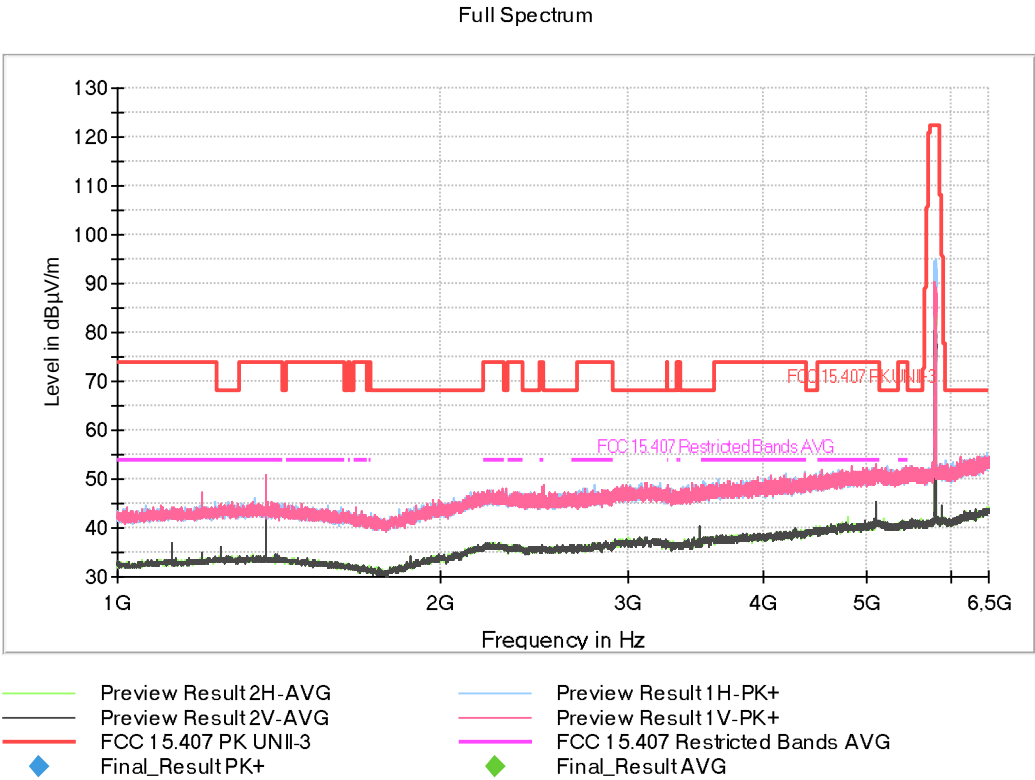
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5755.00000

Images:



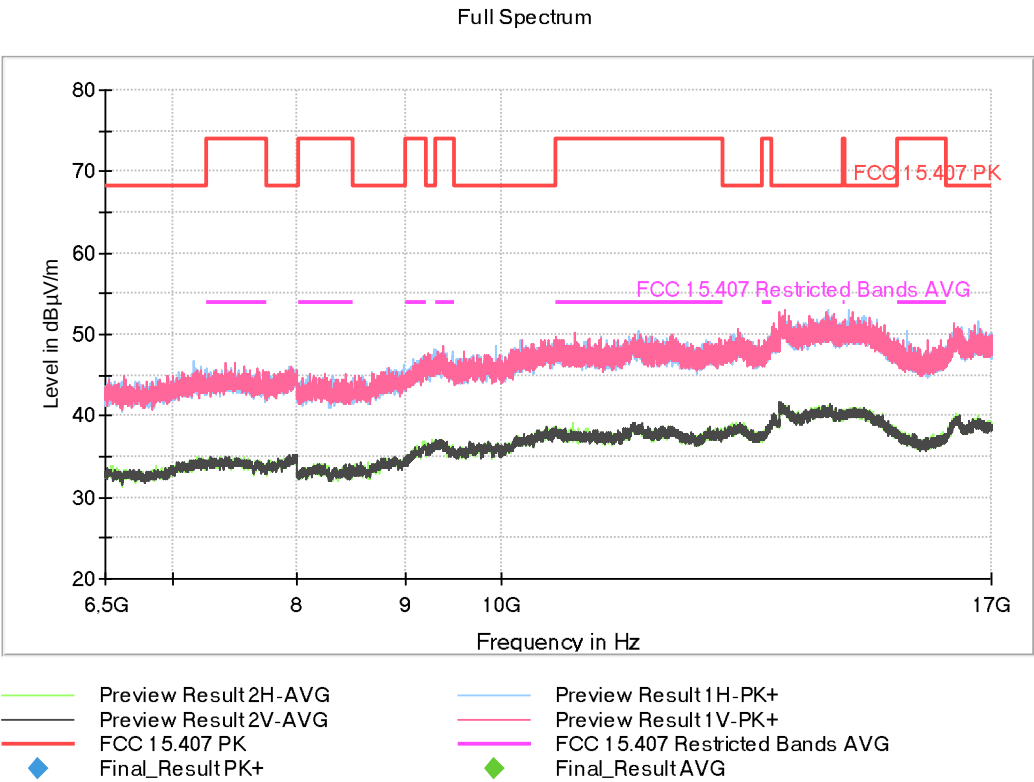
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5795.00000

Images:



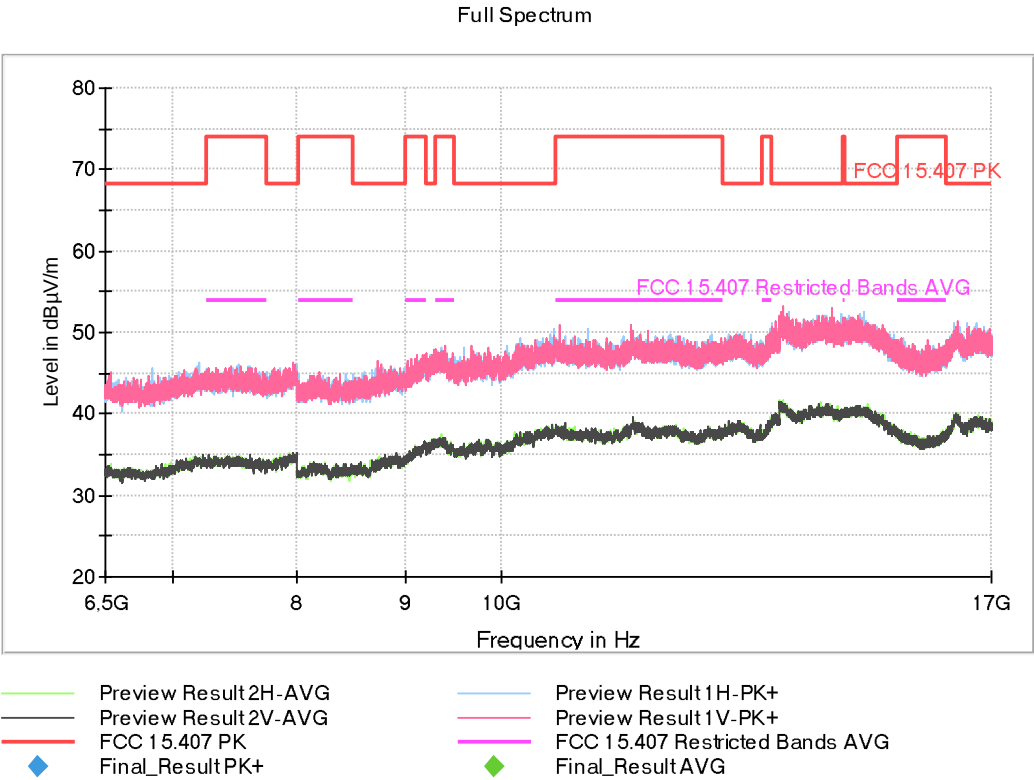
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [6.5, 17] Frequency MHz = 5755.00000

Images:



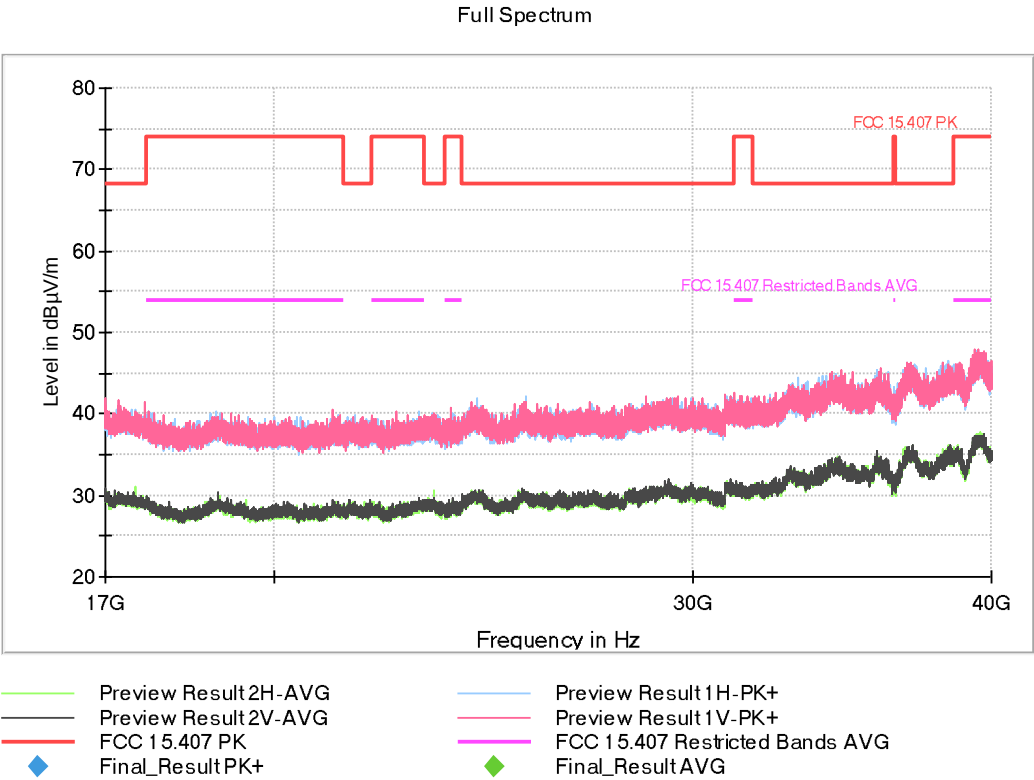
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [6.5, 17] Frequency MHz = 5795.00000

Images:



Operation Band MHz = [5725, 5850]
Frequency Range GHz = [17, 40] Frequency MHz = 5755.00000

Images:



This plot is valid for all channels

FCC 15.407 (b)(1) / RSS-247 7.3.5.4 Transmitter Band Edge Radiated Emissions.

BAND EDGE EMISSIONS:

Results

Modulation = 802.11a (OFDM 6 Mbit/s)

No spurious frequencies at less than 20 dB below the limit.

Modulation = 802.11n HT20 (OFDM MCS0)

No spurious frequencies at less than 20 dB below the limit.

Modulation: 802.11ac VHT20 (OFDM MCS0)

No spurious frequencies at less than 20 dB below the limit.

Modulation = 802.11n HT40 (OFDM MCS0)

No spurious frequencies at less than 20 dB below the limit.

Modulation = 802.11ac VHT40 (OFDM MCS0)

No spurious frequencies at less than 20 dB below the limit.

Modulation = 802.11ac VHT80 (OFDM MCS0)

No spurious frequencies at less than 20 dB below the limit.

Modulation: 802.11ax HE20 (OFDMA MCS0) SU

No spurious frequencies at less than 20 dB below the limit.

Modulation: 802.11ax HE20 (OFDMA MCS0) RU26

No spurious frequencies detected at less than 20 dB below the limit.

Modulation: 802.11ax HE40 (OFDMA MCS0) SU

No spurious frequencies at less than 20 dB below the limit.

Modulation: 802.11ax HE40 (OFDMA MCS0) RU26

No spurious frequencies detected at less than 20 dB below the limit.

Modulation: 802.11ax HE80 (OFDMA MCS0) SU

No spurious frequencies detected at less than 20 dB below the limit.

Modulation: 802.11ax HE80 (OFDMA MCS0) RU26

No spurious frequencies detected at less than 20 dB below the limit.

Verdict

Pass

Attachments

Operation Band MHz = [5725, 5850]

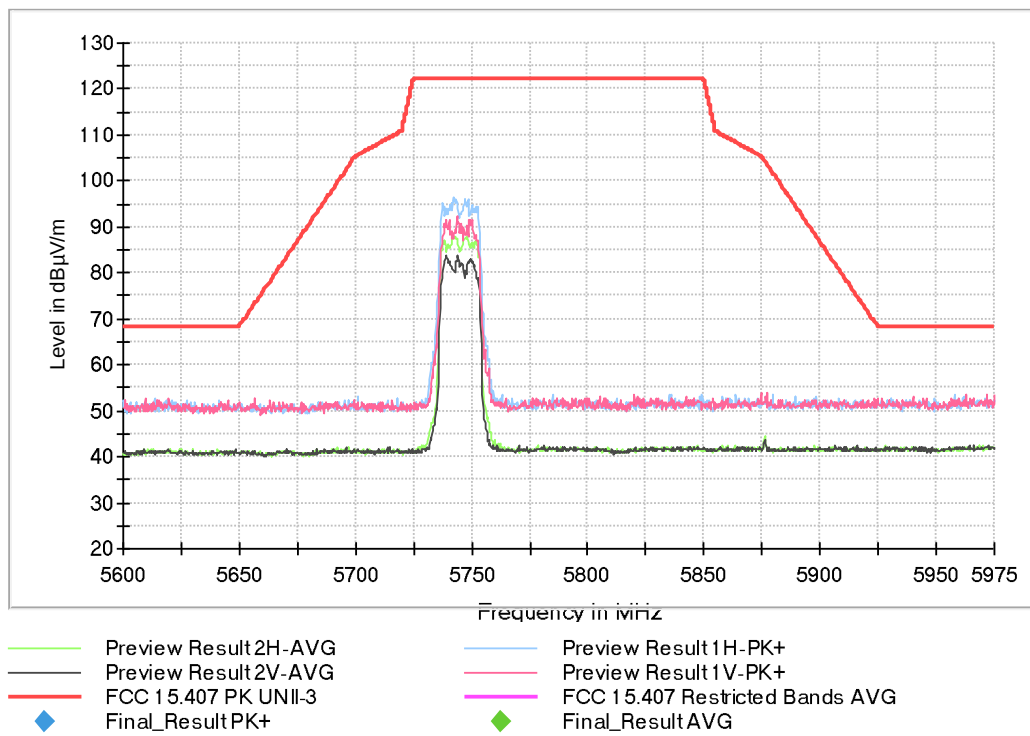
Frequency Range GHz = [1, 6.5]

Frequency MHz = 5745.00000

Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = MIMO

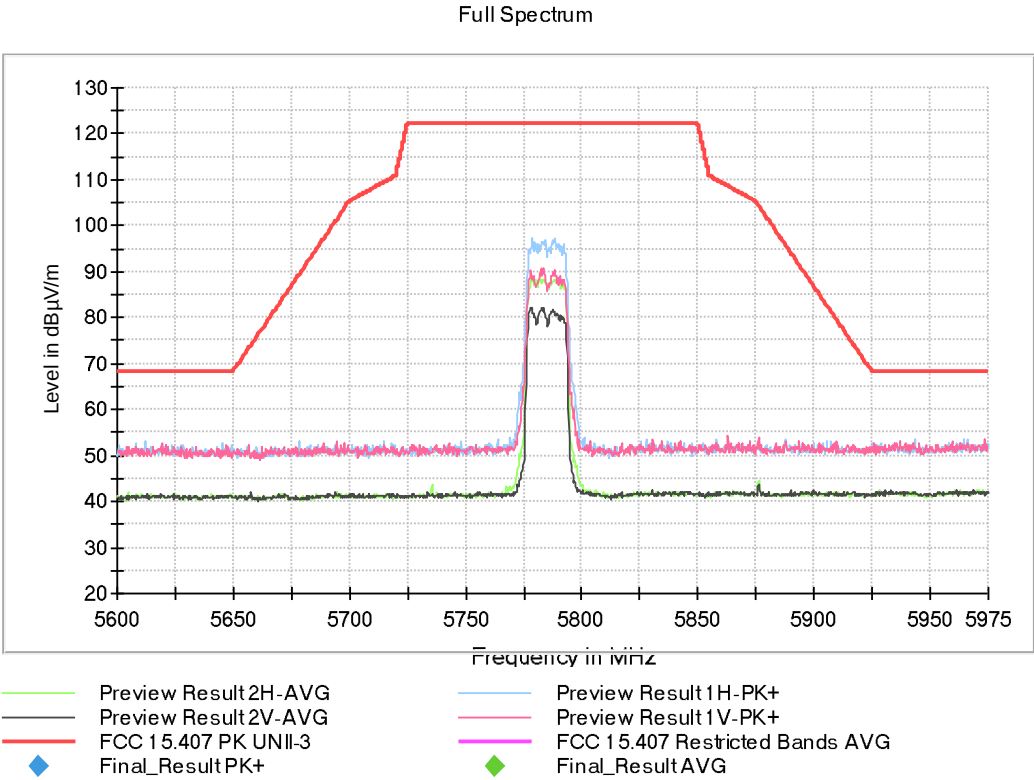
Images:

Full Spectrum



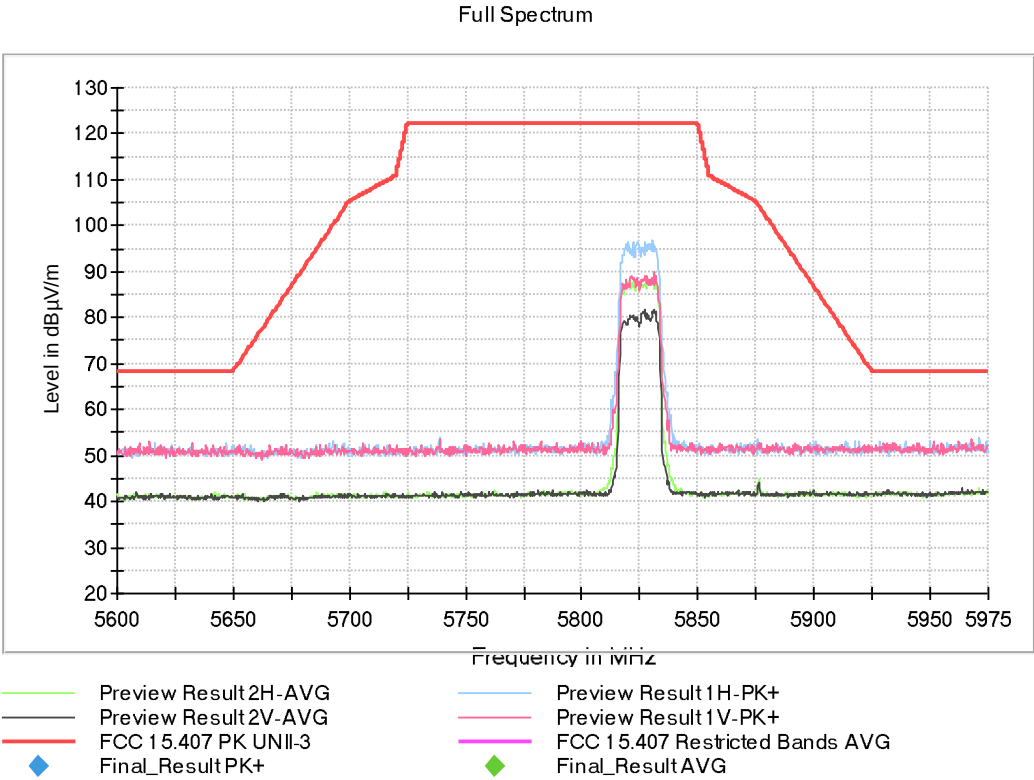
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5785.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = MIMO

Images:



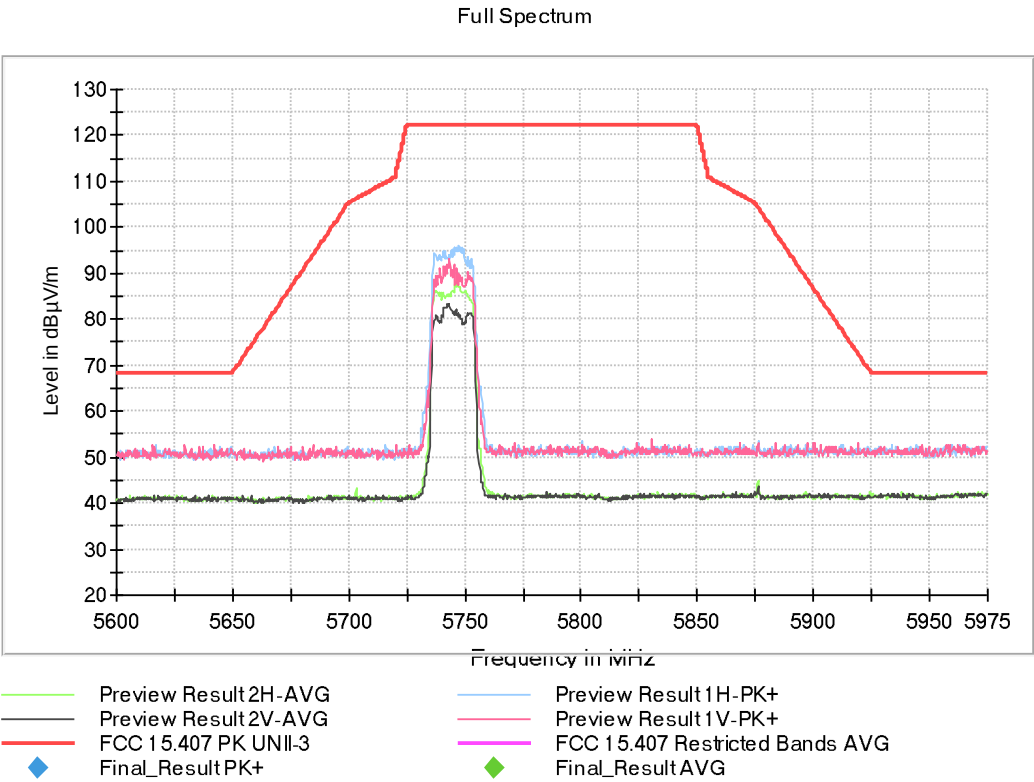
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5825.00000
Modulation = 802.11a (OFDM 6 Mbit/s) MIMO Mode = MIMO

Images:



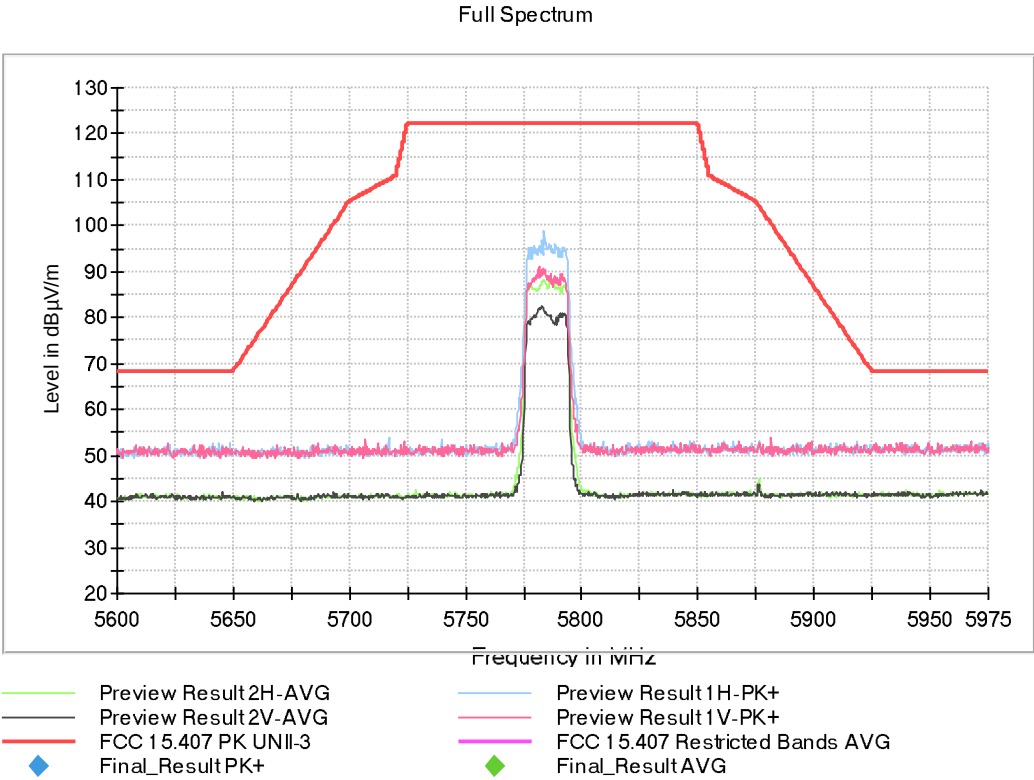
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5745.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = MIMO

Images:



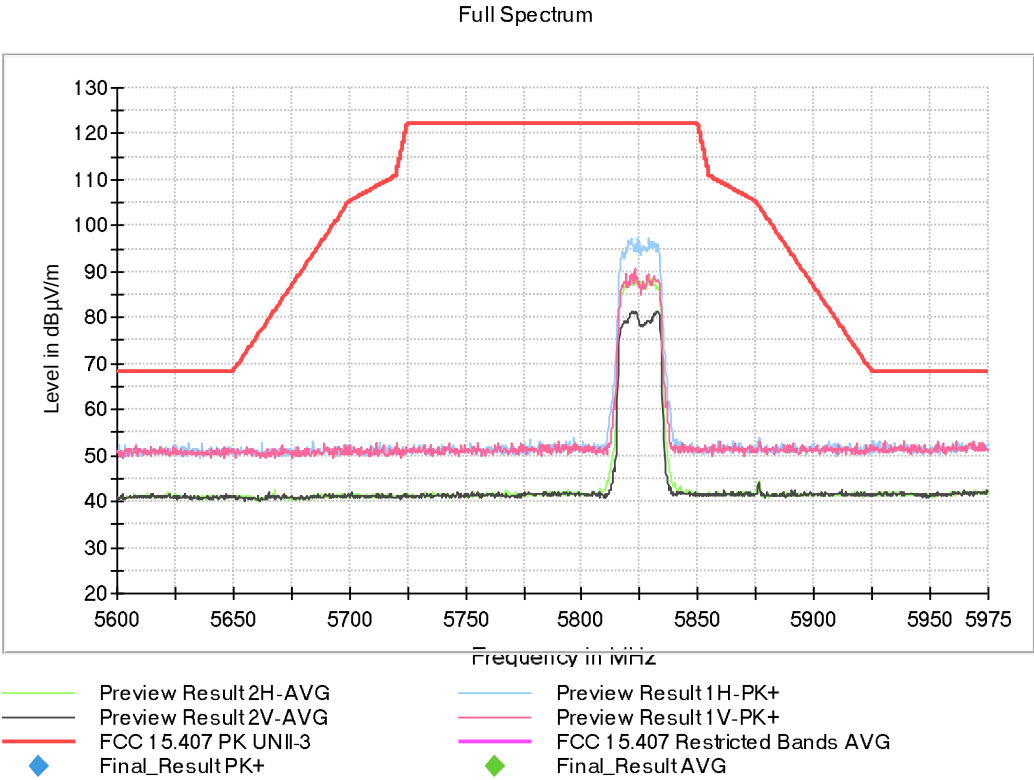
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5785.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = MIMO

Images:



Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5825.00000
Modulation = 802.11n HT20 (OFDM MCS0) MIMO Mode = MIMO

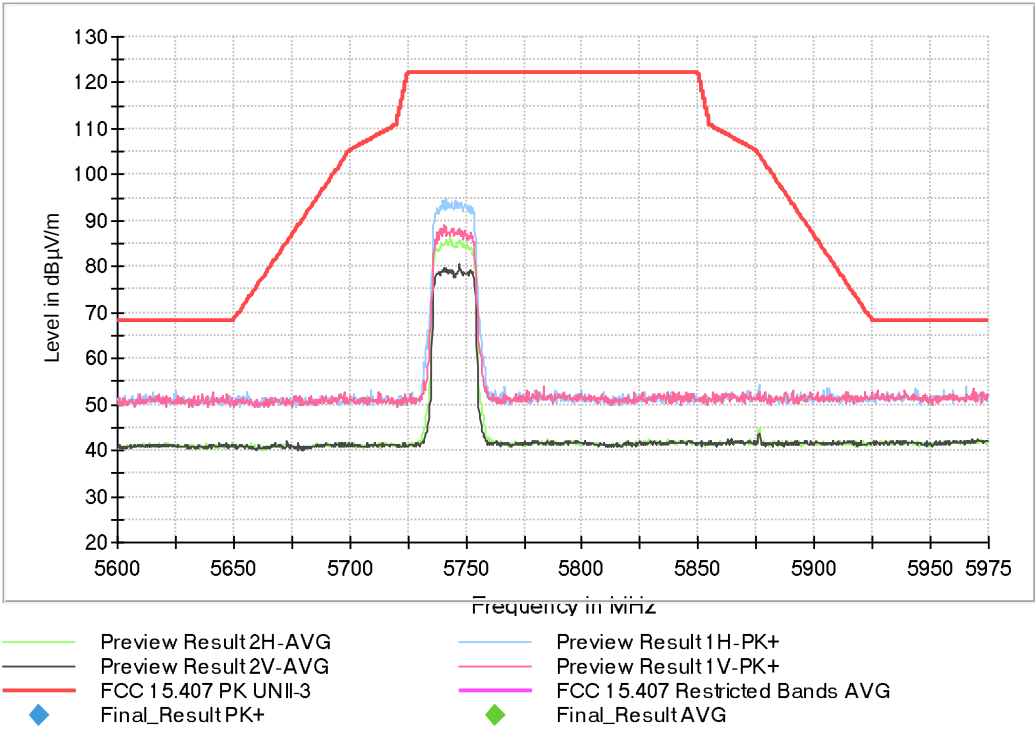
Images:



Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5745.00000
Modulation = 802.11ac VHT20 (OFDM MCS0) MIMO Mode = MIMO

Images:

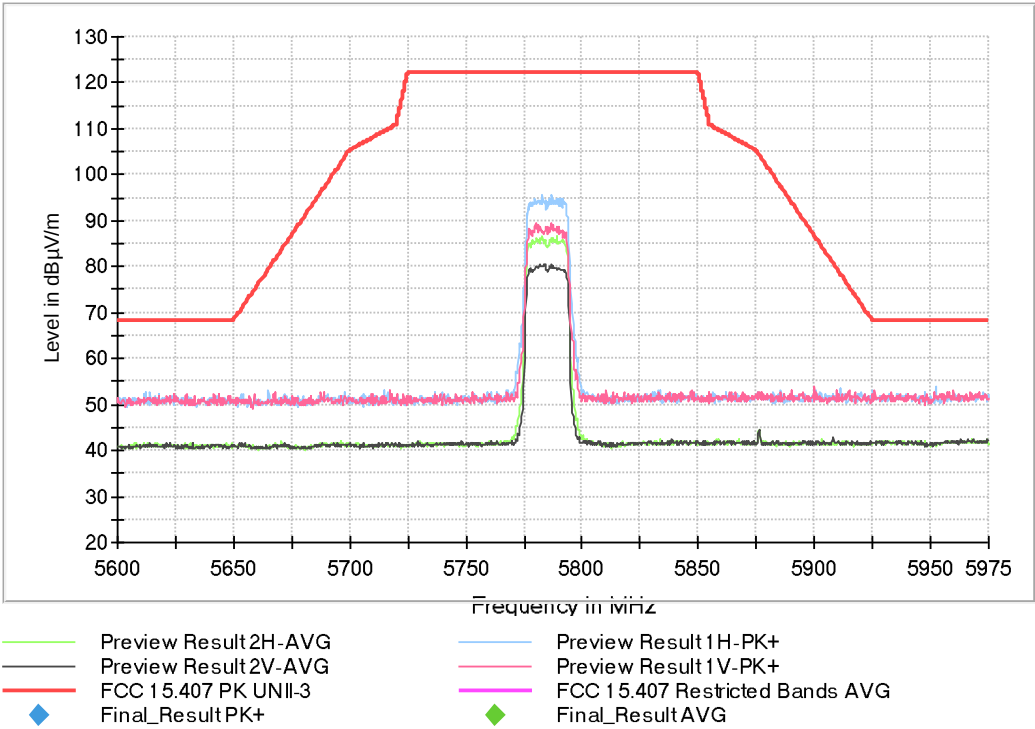
Full Spectrum



Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5785.00000
Modulation = 802.11ac VHT20 (OFDM MCS0) MIMO Mode = MIMO

Images:

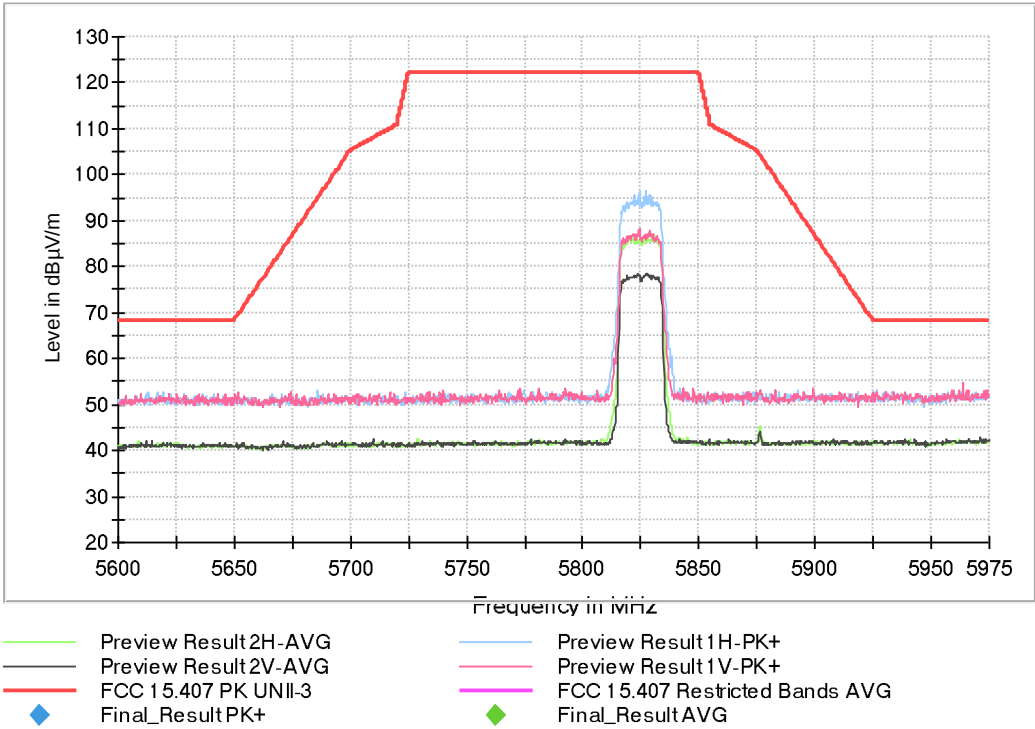
Full Spectrum



Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5825.00000
Modulation = 802.11ac VHT20 (OFDM MCS0) MIMO Mode = MIMO

Images:

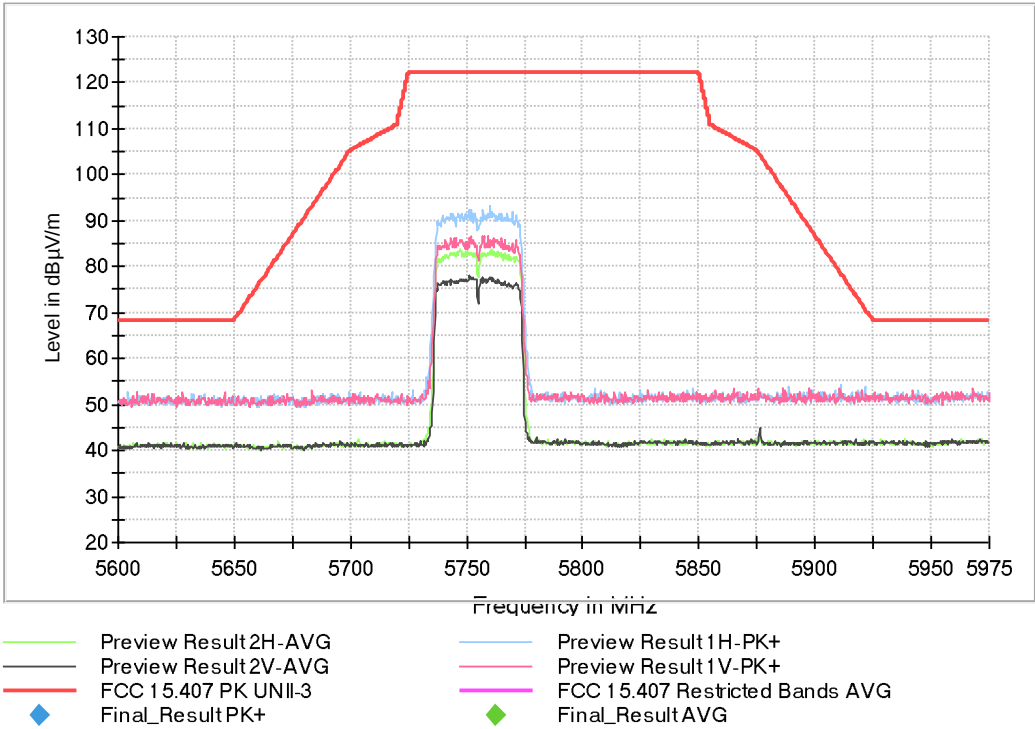
Full Spectrum



Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5755.00000
Modulation = 802.11ac VHT40 (OFDM MCS0) MIMO Mode = MIMO

Images:

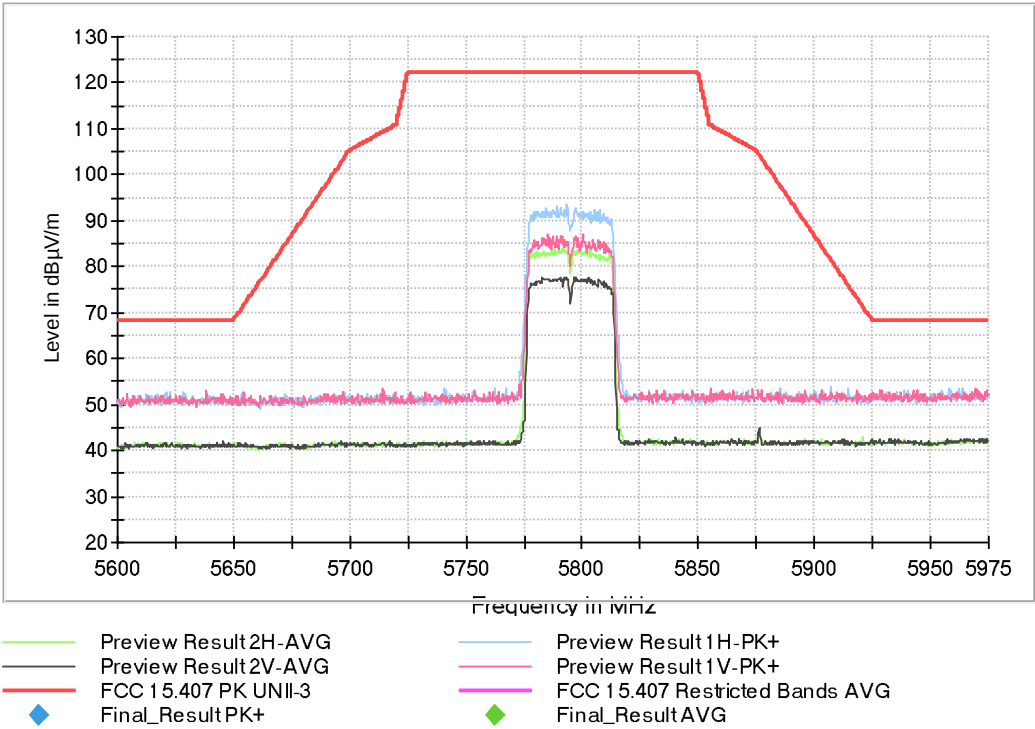
Full Spectrum



Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5795.00000
Modulation = 802.11ac VHT40 (OFDM MCS0) MIMO Mode = MIMO

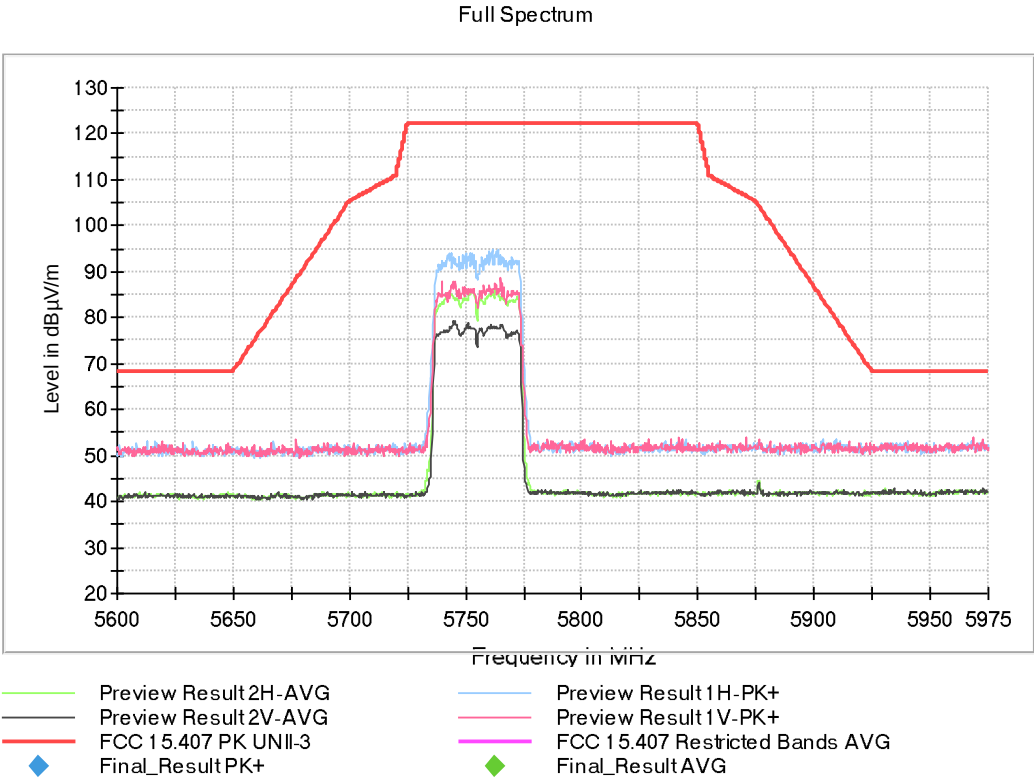
Images:

Full Spectrum



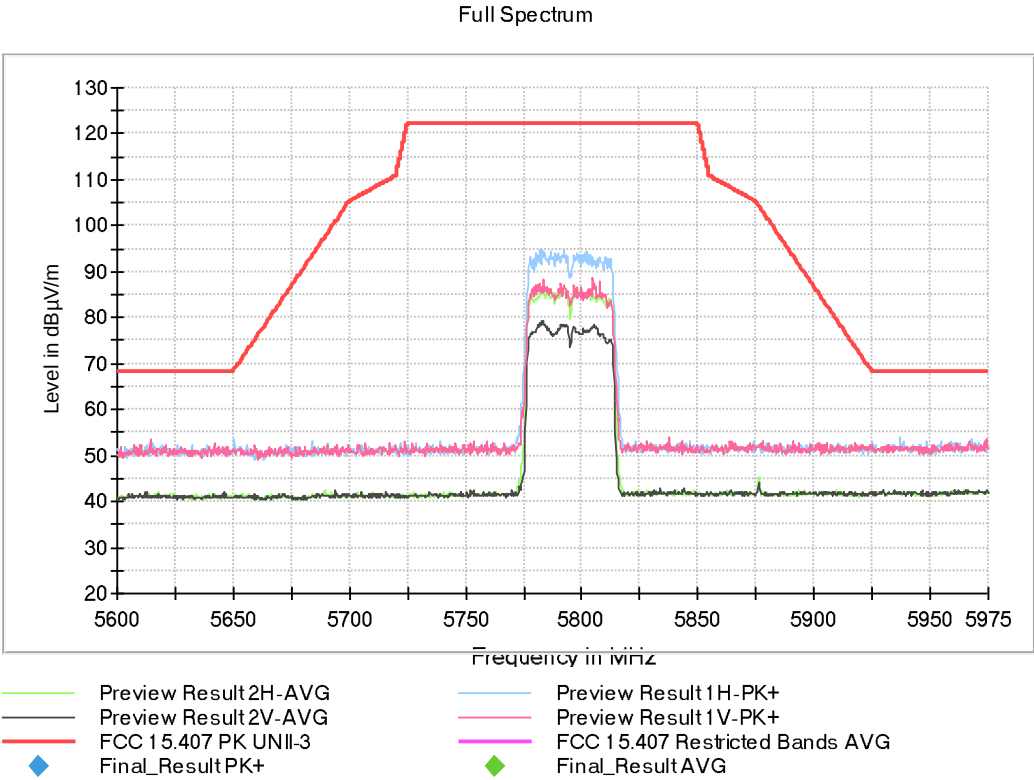
Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5755.00000
Modulation = 802.11n HT40 (OFDM MCS0) MIMO Mode = MIMO

Images:



Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5795.00000
Modulation = 802.11n HT40 (OFDM MCS0) MIMO Mode = MIMO

Images:



Operation Band MHz = [5725, 5850]

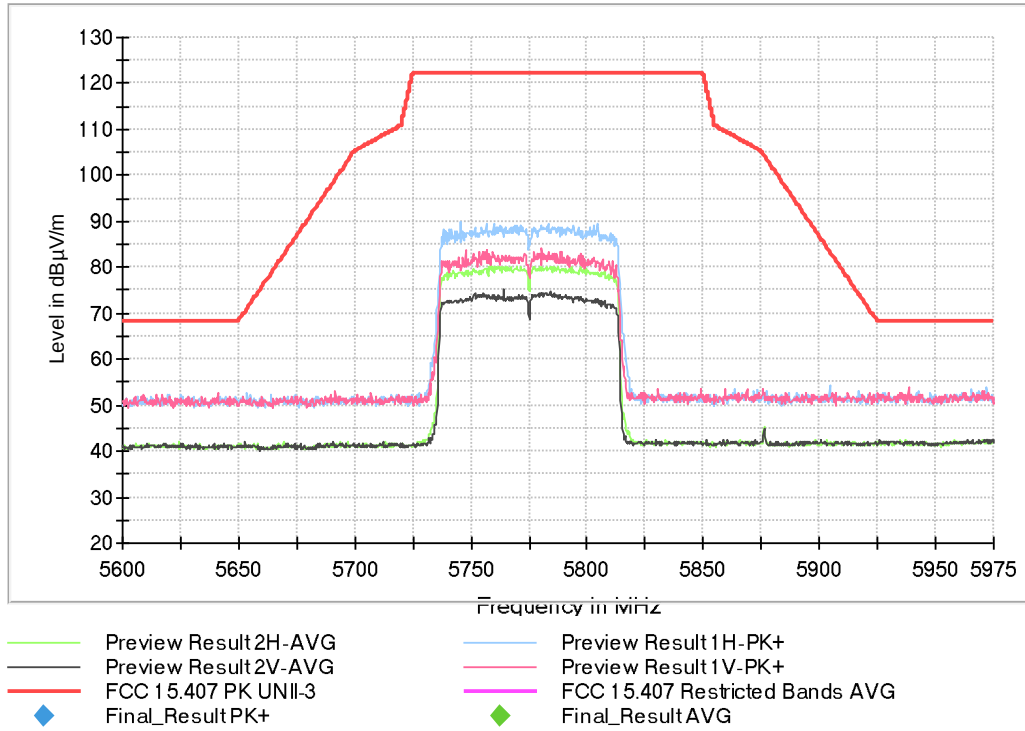
Frequency Range GHz = [1, 6.5]

Frequency MHz = 5775.00000

Modulation = 802.11ac VHT80 (OFDM MCS0) MIMO Mode = MIMO

Images:

Full Spectrum



Operation Band MHz = [5725, 5850]

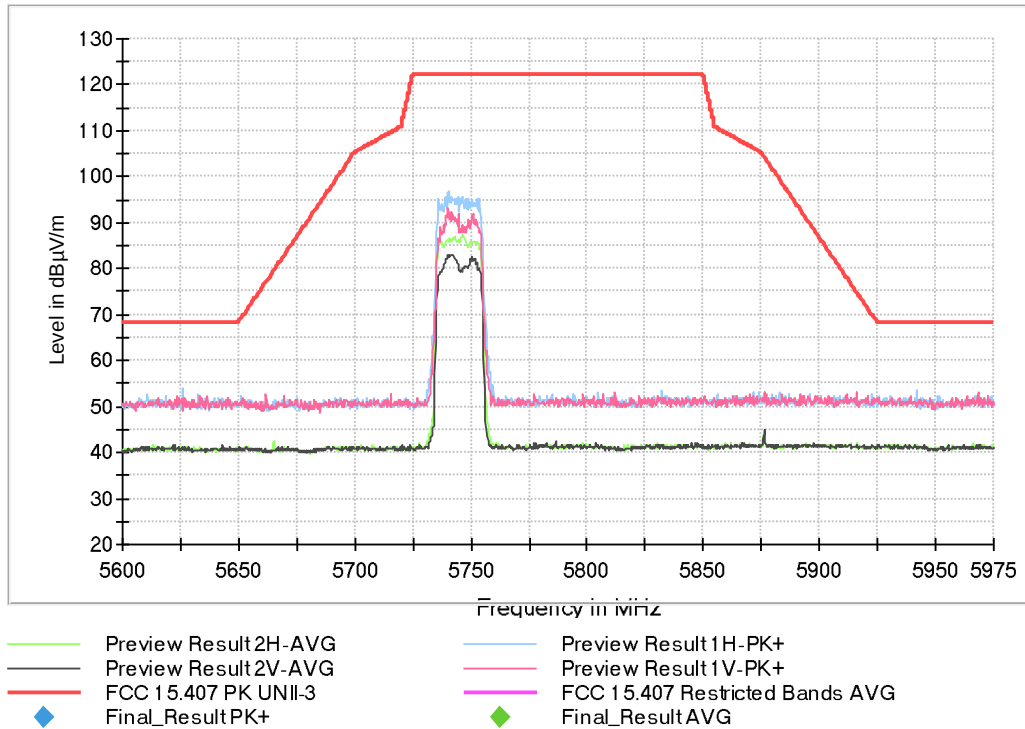
Frequency Range GHz = [1, 6.5]

Frequency MHz = 5745.00000

Modulation = 802.11ax HE20 (OFDMA MCS0) SU MIMO Mode = MIMO

Images:

Full Spectrum



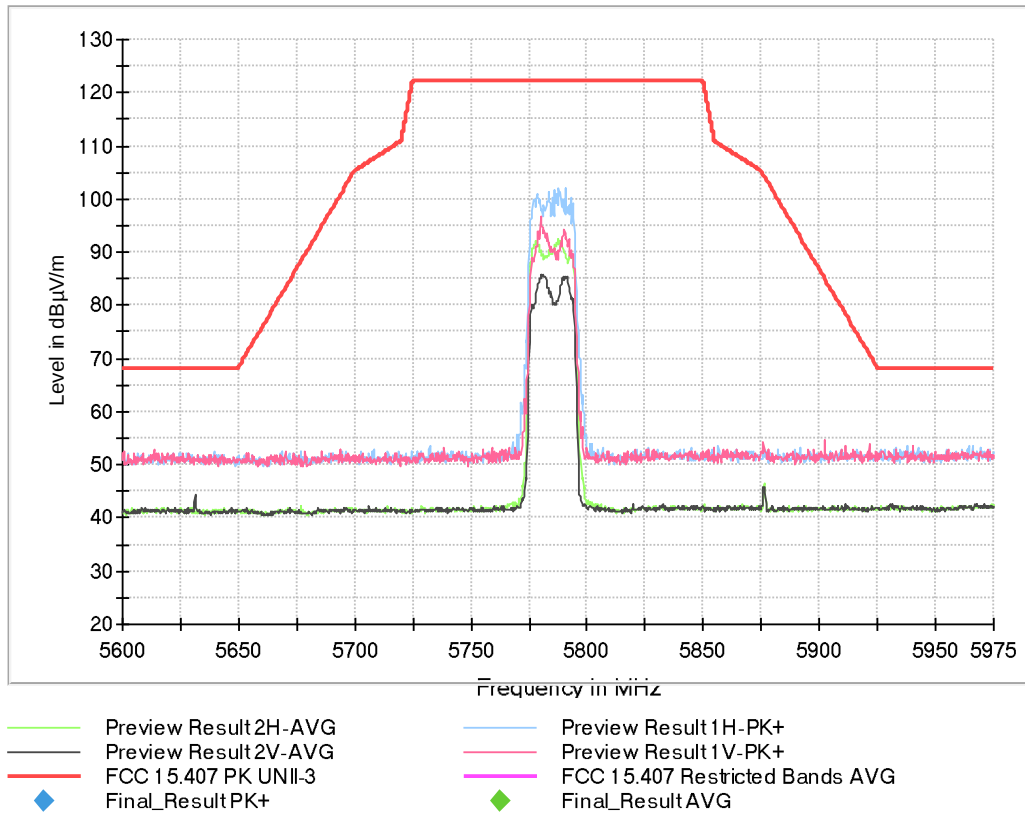
Operation Band MHz = [5725, 5850]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5785.00000

Modulation = 802.11ax HE20 (OFDMA MCS0) SU MIMO Mode = MIMO

Images:



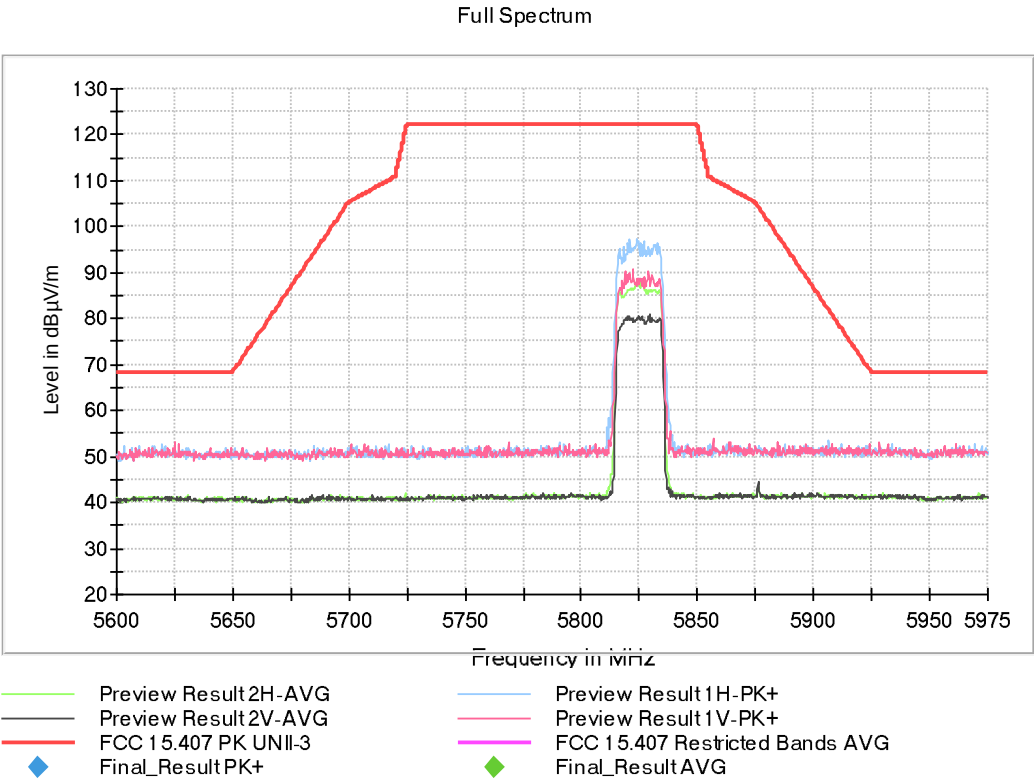
Operation Band MHz = [5725, 5850]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5825.00000

Modulation = 802.11ax HE20 (OFDMA MCS0) SU MIMO Mode = MIMO

Images:



Operation Band MHz = [5725, 5850]

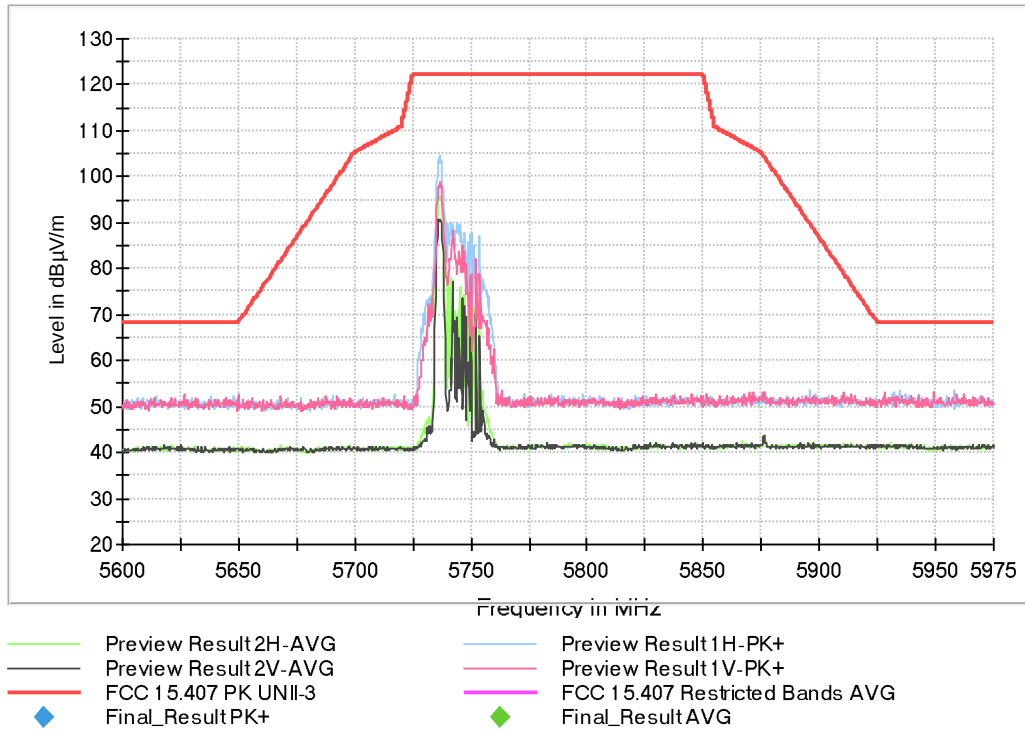
Frequency Range GHz = [1, 6.5]

Frequency MHz = 5745.00000

Modulation = 802.11ax HE20 (OFDMA MCS0) RU26 MIMO Mode = MIMO

Images:

Full Spectrum



Operation Band MHz = [5725, 5850]

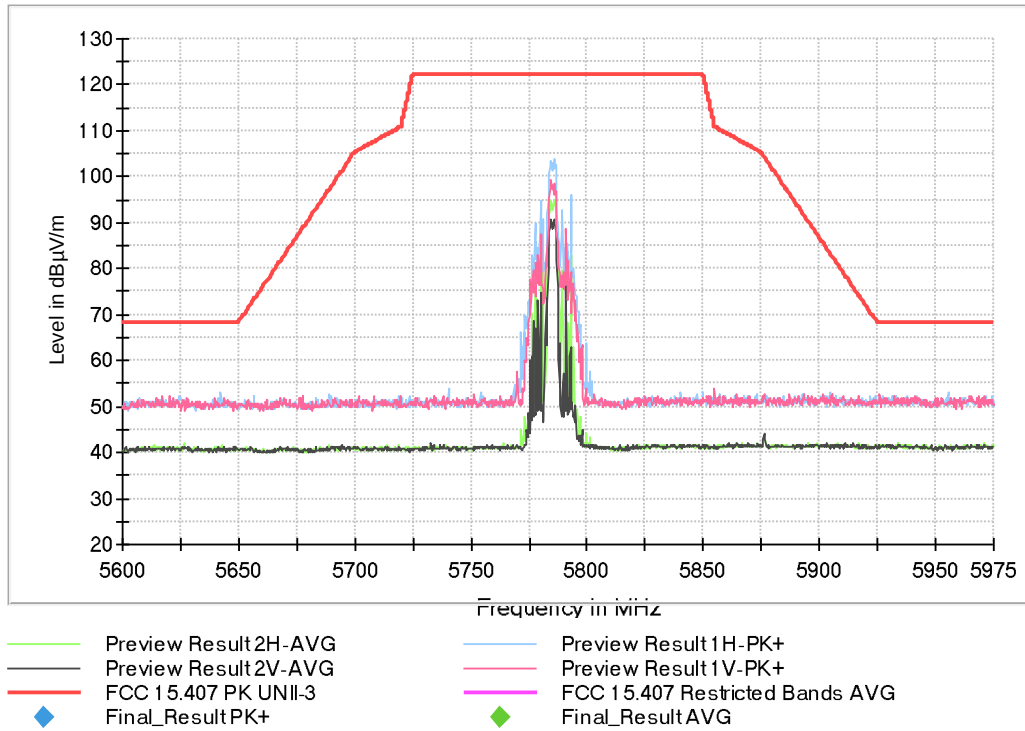
Frequency Range GHz = [1, 6.5]

Frequency MHz = 5785.00000

Modulation = 802.11ax HE20 (OFDMA MCS0) RU26 MIMO Mode = MIMO

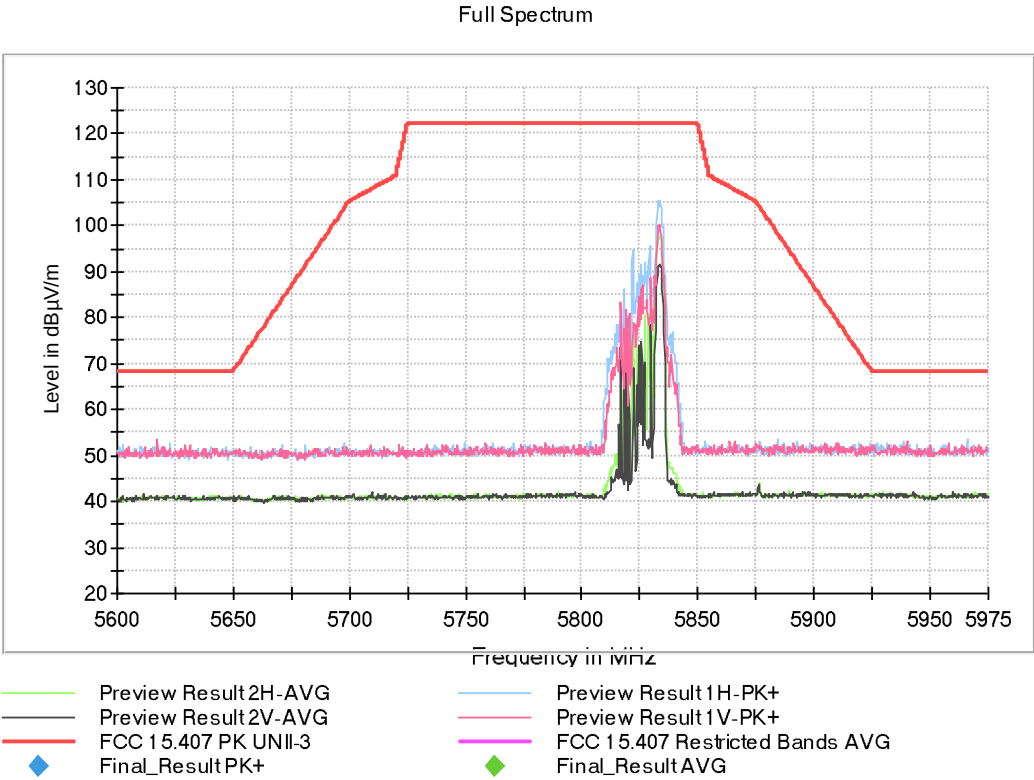
Images:

Full Spectrum



Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5825.00000
Modulation = 802.11ax HE20 (OFDMA MCS0) RU26 MIMO Mode = MIMO

Images:



Operation Band MHz = [5725, 5850]

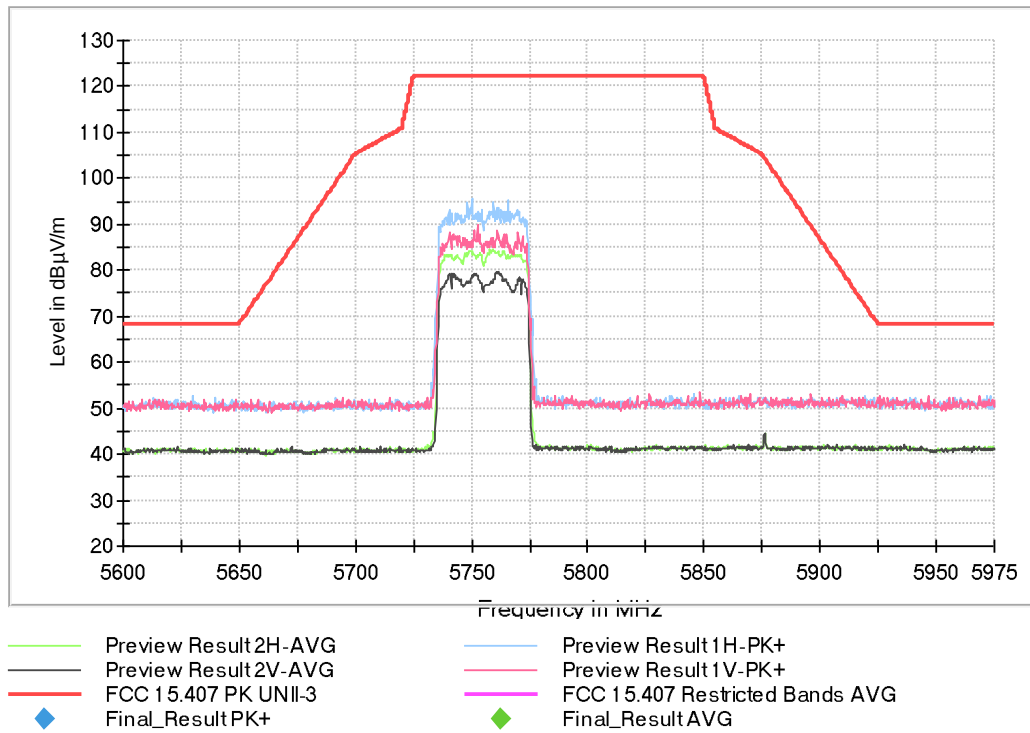
Frequency Range GHz = [1, 6.5]

Frequency MHz = 5755.00000

Modulation = 802.11ax HE40 (OFDMA MCS0) SU MIMO Mode = MIMO

Images:

Full Spectrum



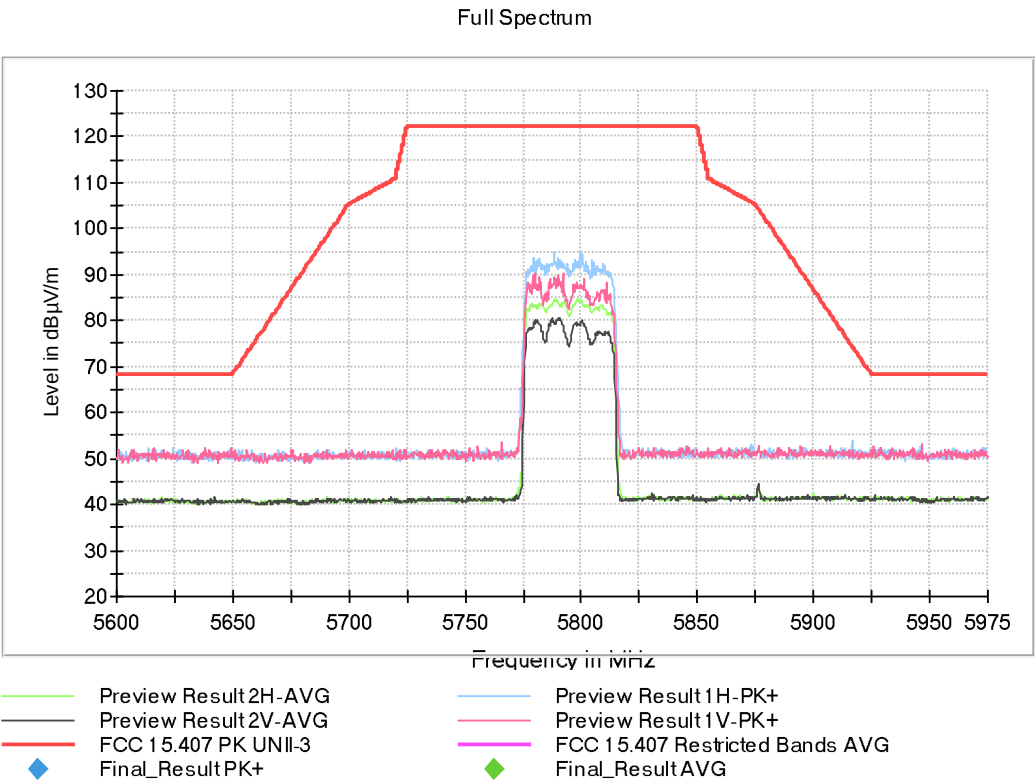
Operation Band MHz = [5725, 5850]

Frequency Range GHz = [1, 6.5]

Frequency MHz = 5795.00000

Modulation = 802.11ax HE40 (OFDMA MCS0) SU MIMO Mode = MIMO

Images:



Operation Band MHz = [5725, 5850]

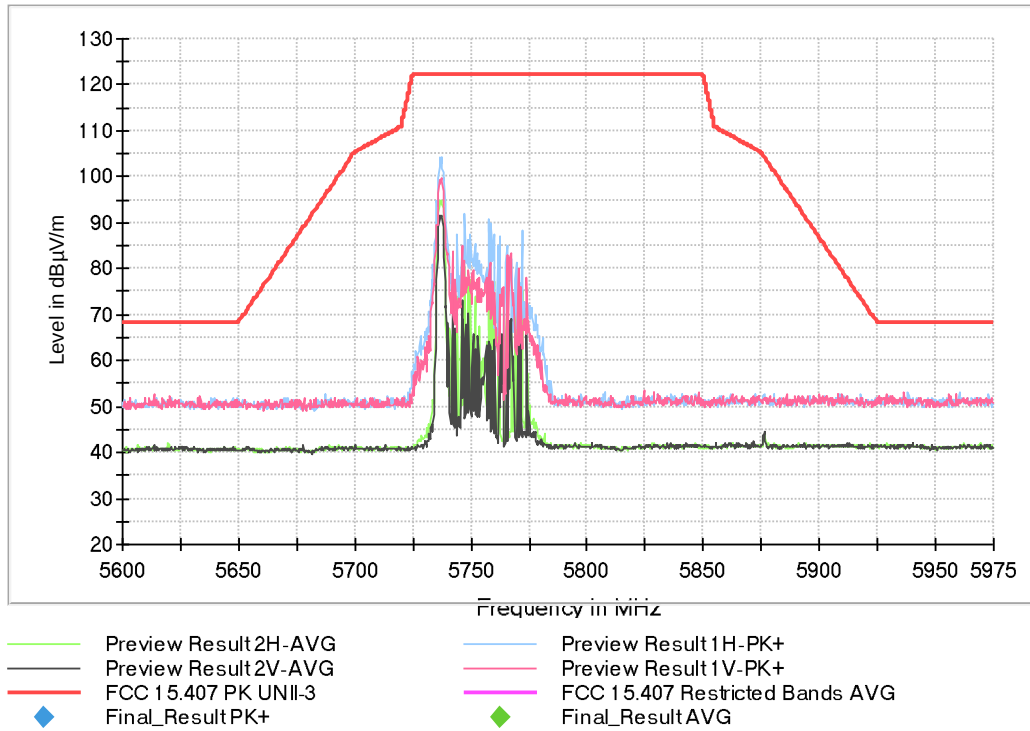
Frequency Range GHz = [1, 6.5]

Frequency MHz = 5755.00000

Modulation = 802.11ax HE40 (OFDMA MCS0) RU26 MIMO Mode = MIMO

Images:

Full Spectrum



Operation Band MHz = [5725, 5850]

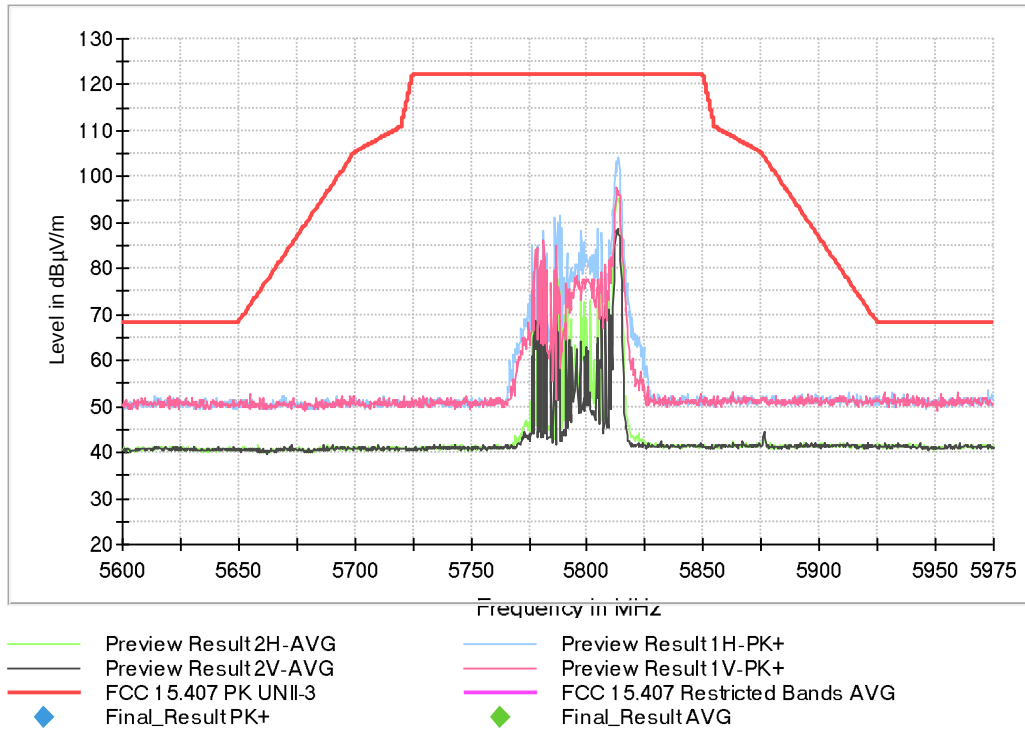
Frequency Range GHz = [1, 6.5]

Frequency MHz = 5795.00000

Modulation = 802.11ax HE40 (OFDMA MCS0) RU26 MIMO Mode = MIMO

Images:

Full Spectrum



Operation Band MHz = [5725, 5850]

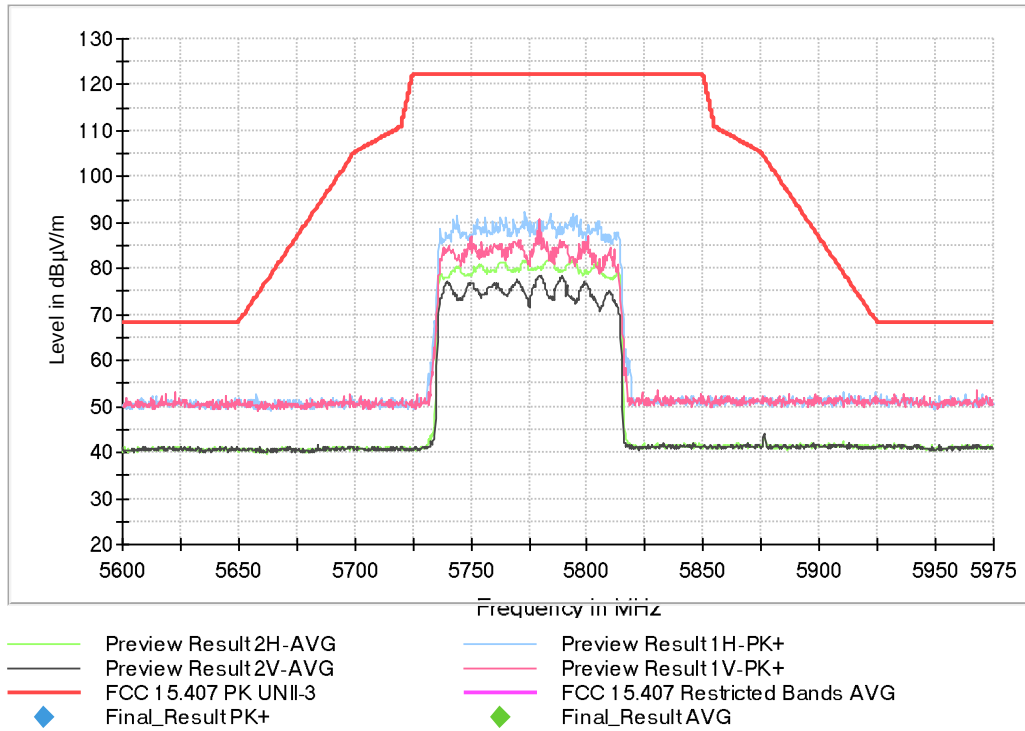
Frequency Range GHz = [1, 6.5]

Frequency MHz = 5775.00000

Modulation = 802.11ax HE80 (OFDMA MCS0) SU MIMO Mode = MIMO

Images:

Full Spectrum



Operation Band MHz = [5725, 5850]
Frequency Range GHz = [1, 6.5] Frequency MHz = 5775.00000
Modulation = 802.11ax HE80 (OFDMA MCS0) RU26 MIMO Mode = MIMO

Images:

