

ISED CABid: ES1909

Lab. Company Number: 4621A

Test Report No:

83342RRF.001A2

Partial Test Report

USA FCC Part 15.247, 15.209, CANADA RSS-247,
RSS-Gen

(*) Identification of item tested	Telematic control unit with wireless technologies, used in automotive industry.
(*) Trademark	VW AG
(*) Model and /or type reference	TKCMOD12N00B
(*) Derived model not tested	TKCMOD11000B
Other identification of the product	FCC ID = T8GCONMODMEB IC = 6434A-CONMODMEB
(*) Features	GSM, UMTS, LTE, 5G, Bluetooth EDR, BT Low-Energy, Wi-Fi, GNSS receiver HW version: X10 SW version: X067
Manufacturer	HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH Becker-Goering-Str. 16 76307, Karlsbad, GERMANY
Test method requested, standard	USA FCC Part 15.247 (10-1-23 Edition): Operation within the bands 902 - 928 MHz, 2400 -2483.5 MHz, and 5725 - 5850 MHz. USA FCC Part 15.209 (10-1-23 Edition): Radiated emission limits; general requirements. CANADA RSS-247 Issue 4 (July 2025). CANADA RSS-Gen Issue 5 amendment 2 (February 2021). Guidance for Performing Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid Systems Devices Operating Under Section 15.247 of the FCC Rules. 558074 D01 Meas Guidance v05r02 dated April 2, 2019. ANSI C63.10-2020+Cor.1-2023+C63.10a-2024: American National Standard for Testing Unlicensed Wireless Devices.
Summary	IN COMPLIANCE
Approved by (name / position & signature)	José Manuel Gómez Galván EMC Consumer & RF Lab. Manager
Date of issue	2025-10-28
Report template No	FDT08_26 (*) "Data provided by the client"

 Firmado digitalmente por 53680346W JOSE MANUEL GOMEZ (C:A29507456)

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Acronyms

Acronym ID	Acronym Description
Detector	Detector used
Equipment	Equipment Type
Freq	Frequency
Freq Rng	Frequency Range
MP	Measurement Point
Mod	Modulation
Operation Band	Operation Band
Pol	Polarization
Port	Active Port
RU	Resource Unit
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.

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The results presented in this Test Report apply only to the particular item under test established in this document.

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General conditions

1. This report is only referred to the item that has undergone the test.
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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 26 GHz is:
Measurement uncertainty $\leq \pm 5,51$ 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 Telematics control unit with wireless technologies, used in automotive, equipped with one modem, OEM. This unit was designed for automotive usage and contains the following features: GSM, UMTS, LTE, 5G, GNSS, Wifi (a, b, g, n, ac,ax) and Bluetooth EDR.
3. Derived model not tested. These models have been declared by the supplier of the sample as being the same as the model under test.

HARMAN Becker Automotive Systems GmbH

Becker-Goering-Str. 16
76307 Karlsbad, Germany



Date: August 05th, 2025

To whom it may concern,

We,

HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH
Becker-Goering-Str. 16; 76307 Karlsbad, Germany,

Hereby declare that the products listed below:

Type of equipment: Telematic control unit with wireless technologies used in automotive industry.

Brand name: VW AG

Model names: TKCMOD12N00B and TKCMOD11000B

are part of the same family and all the models are equal. The model TKCMOD12N00B is the most populated variant and is the one that has been tested. The model TKCMOD11000B is the same as TKCMOD12N00B but it has a different name because the cellular module is disabled (although is installed in the device).

The rest of interfaces (BT, WiFi, GNSS) are equal in all the variants.

In the table below you can find the different names based on the specific country target:

Country	Product Name	Part number	Variant	GNSS	Bluetooth WLAN	NAD (Activate)	WLANp
NAR (online variant)	TKCMOD12N00B	14A.035.741	V119	x	x	x	-
Rest of the world (offline variant)	TKCMOD11000B	14C.035.741	V156	x	x	-	-

As mentioned above, TKCMOD12N00B is the variant that has been tested and results are applicable to the rest of the variants.

Sincerely,

i.v. 

By: Iulian-George Stoica
Title: Principal Engineer, Quality Engineering
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I. V. 

By: Banica Alin
Title: Regulatory Product Compliance Expert
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Company: Harman Becker Automotive Systems GmbH

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 Reception	of	Application
S/01	83342B_103.1	Quad RMC Z to Single Fakra Cable			2025-05-22		Element Under Test
S/01	83342B_28.1	Shark Antenna	3WA.035.507.G	29204	2025-05-22		Element Under Test
S/01	83342B_3.1	TCU	TKCMOD12N00B	354205700038273	2025-05-22		Element Under Test
S/01	83342B_31.1	Yellow Box	USB to 4XUART	USB44HS083900030	2025-05-22		Element Under Test
S/01	83342B_39.1	Harness			2025-05-22		Element Under Test
S/01	83342B_53.1	Antenna	3J0.035.534	27221	2025-05-22		Element Under Test
S/01	83342B_69.1	Antenna	4N0.035.500	29280	2025-05-22		Element Under Test
S/01	83342B_72.1	Antenna	4N0.035.500	29272	2025-05-22		Element Under Test
S/01	83342B_76.1	Antenna	4N0.035.500	29382	2025-05-22		Element Under Test
S/01	83342B_84.1	USB Cable			2025-05-22		Element Under Test
S/01	83342B_109.1	Ethernet Cable			2025-05-22		Auxiliary Element
S/01	83342B_29.1	Yellow Box	USB to 4XUART	USB45HS083900039	2025-05-22		Auxiliary Element
S/01	83342B_42.1	Harness			2025-05-22		Auxiliary Element
S/01	83342B_49.1	Module Circuit Board		4585835	2025-05-22		Auxiliary Element
S/01	83342B_7.1	TCU	TKCMOD12E00B	352425160124742	2025-05-22		Auxiliary Element
S/01	83342B_87.1	OABR Adapter Cable			2025-05-22		Auxiliary Element

Notes referenced to samples during the project:

Id	Type
S/01	Sample used for Radiated testing. The antenna configuration used has been selected after to determine the worst case performing a RSE spotcheck with the mention antennas and these ones: 5B4.035.510 (BT/WLAN-Antenne 1), 5B4.035.510 (BT/WLAN-Antenne 2), 3WA.035.507.G (BT/WLAN-Antenne 3)

Test sample description

Ports..... :	Port name and description		Cable				
			Specified length [m]	Attached during test	Shielded		
	RF connector – code		-	[]	[X]		
	RF connector – code		-	[X]	[X]		
	RF connector – code		-	[X]	[]		
Supplementary information to the ports..... :	-						
Rated power supply :	Voltage and Frequency		Reference poles				
			L1	L2	L3	N	PE
	[]	AC:	[]	[]	[]	[]	[]
	[X]	DC: 12V car battery (4.8 VDC inside of TCU)					
Rated Power..... :	12 V DC						
Clock frequencies..... :	-						
Other parameters :	See Technical description						
Software version..... :	X067						
Hardware version :	X10						
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: automotive telematics control unit					
Modules/parts..... :	Module/parts of test item			Type		Manufacturer	
	-			-		-	
Accessories (not part of the test item) :	Description			Type		Manufacturer	
	Cable Harness			-		-	
	2G/3G/4G/5G Antenna			-		-	
	eCall button/LED			-		-	
	SOS Loudspeaker			-		-	
	BT/WIFI antenna			-		-	
	GNSS antenna			-		-	
Documents as provided by the applicant :	Description			File name		Issue date	
	Technical Description			-		-	

Identification of the client

HARMAN BECKER AUTOMOTIVE SYSTEMS GMBH
BECKER-GOERING-STR. 16; 76307, KARLSBAD, GERMANY

Testing period and place

Test Location	DEKRA Testing and Certification S.A.U. Parque Tecnológico de Andalucía, c/ Severo Ochoa nº 6 · 29590 Campanillas
Date (start)	2025-06-03
Date (finish)	2025-06-10

Document history

Report number	Date	Description
83342RRF.001	2025-09-18	First release.
83342RRF.001A1	2025-10-10	Second release. This report is modified to include one test case. This modification test report cancels and replaces the test report 83342RRF.001.
83342RRF.001A2	2025-10-28	Second release. This report is modified to typos. This modification test report cancels and replaces the test report 83342RRF.001A1.

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: Miguel Manuel López Guzmán.

Used instrumentation:

Control No.	Equipment	Model	Manufacturer	Next Calibration
09762	DC POWER SUPPLY 200V/25A	EA-PSI-9200-25-DT	ELEKTRO-AUTOMATIC	N/A
07759	DIGITAL MULTIMETER	175	FLUKE	2025-11-04
08866	EMI TEST RECEIVER 2Hz-44GHz	ESW44	ROHDE AND SCHWARZ	2026-06-12
06132	ETHERNET TEMPERATURE AND HUMIDITY LOGGER	HWg-STE	HW GROUP	2026-04-28
06126	ETHERNET TEMPERATURE AND HUMIDITY LOGGER	HWg-STE	HW GROUP	2026-04-22
06092	FUENTE ALIMENTACION DC 30 V / 5 A	U8002A	KEYSIGHT TECHNOLOGIES	N/A
05922	HIGH PASS FILTER 1.1-3GHz	WHK10-990-1100-8000-40SS	WAINWRIGHT	2026-01-15
09029	HIGH PASS FILTER 17-40 GHZ	STHP-17-40G-92	TEMSTRON/TEM WELL	2026-04-02
08831	HIGH PASS FILTER 3 GHZ	WHKX10-2700-3000-18000-40SS	WAINWRIGHT	2025-09-25
04612	HORN ANTENNA 1-18GHz	BBHA 9120 D	SCHWARZBECK MESS-ELEKTRONIK	2027-10-15
04657	HORN ANTENNA 18-40GHz	BBHA 9170	SCHWARZBECK	2026-06-12
05641	HYBRID BILOG ANTENNA 30MHz-6GHz	3142E	ETS LINDGREN	2027-10-23
03541	HYBRID BILOG ANTENNA 30MHz-6GHz	JB6	SUNOL SCIENCES CORPORATION	2028-04-17
08856	PRE-AMPLIFIER G>30dB 18-40GHz	BLMA 1840-4A	BONN ELEKTRONIK	2025-02-27
09360	PRE-AMPLIFIER G>40dB 1-18 GHz	BLMA 0118-1M	BONN ELEKTRONIK	2025-08-05
08788	PREAMPLIFIER 30dB 500MHz-18GHz	BBV 9718 C	SCHWARZBECK	2026-02-18
07414	PREAMPLIFIER BOX	-	INTERNO	2026-01-13
06064	SEMIANECHOIC ABSORBER LINED CHAMBER	SAC-3	Frankonia	N/A
06329	SHIELDED ROOM	--	FRANKONIA	N/A
04848	SOFTWARE FOR EMC/RF TESTING	EMC32	ROHDE AND SCHWARZ	--

Testing verdicts

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

Summary

FCC PART 15 PARAGRAPH/ RSS-247			
Requirement – Test case		Verdict	Remark
FCC 15.247 (a)(2) / RSS-247 5.2. (a)	6 dB Bandwidth	N/M	
FCC 15.247 (b) / RSS-247 5.4. (d)	Maximum output power and antenna gain	P	(1)
FCC 15.247 (d) / RSS-247 5.5.	Band-edge emissions compliance (Transmitter)	N/M	
FCC 15.247 (e) / RSS-247 5.2. (b)	Power spectral density	N/M	
FCC 15.247 (d) / RSS-247 5.5.	Emission limitations radiated (Transmitter)	P	(1)
<u>Supplementary information and remarks:</u>			
(1) Only radiated test and EIRP has been requested.			

Appendix A: Test results

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TEST CONDITIONS

(*): Data provided by the client.

POWER SUPPLY (*):

Vnominal: 12 Vdc.
Type of Power Supply: Car battery.

ANTENNA (*):

Technologies	Antenna Gain	Type of Antenna
WiFi 2.4GHz	Max Gain: +6.35 dBi	Dedicated External 3WA.035.507.C/G

TEST FREQUENCIES (*):

Modulation	Data rates	Low Channel	Middle Channel	High Channel
802.11b:	1 Mbit/s	2412 MHz	2437 MHz	2462 MHz
802.11g:	6 Mbit/s	2412 MHz	2437 MHz	2462 MHz
802.11n:	HT20 MCS0 6.5 Mbit/s	2412 MHz	2437 MHz	2462 MHz
802.11ax20:	OFDM – SU Full-channel allocation	2412 MHz	2437 MHz	2462 MHz
802.11ax20:	OFDMA – RU Subcarrier allocation	2412 MHz	2437 MHz	2462 MHz
802.11ax40:	OFDM – SU Full-channel allocation	2422 MHz	2437 MHz	2452 MHz
802.11ax40:	OFDMA – RU Subcarrier allocation	2422 MHz	2437 MHz	2452 MHz

The measured RU offset is indicated in the following table:

Offset ChLow:	0
Offset ChMid:	4
Offset ChHigh:	8

During transmitter test the EUT was controlled by a SW tool provided by the client to operate in a continuous transmit mode on the modulation schemes and test channels as required.

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).

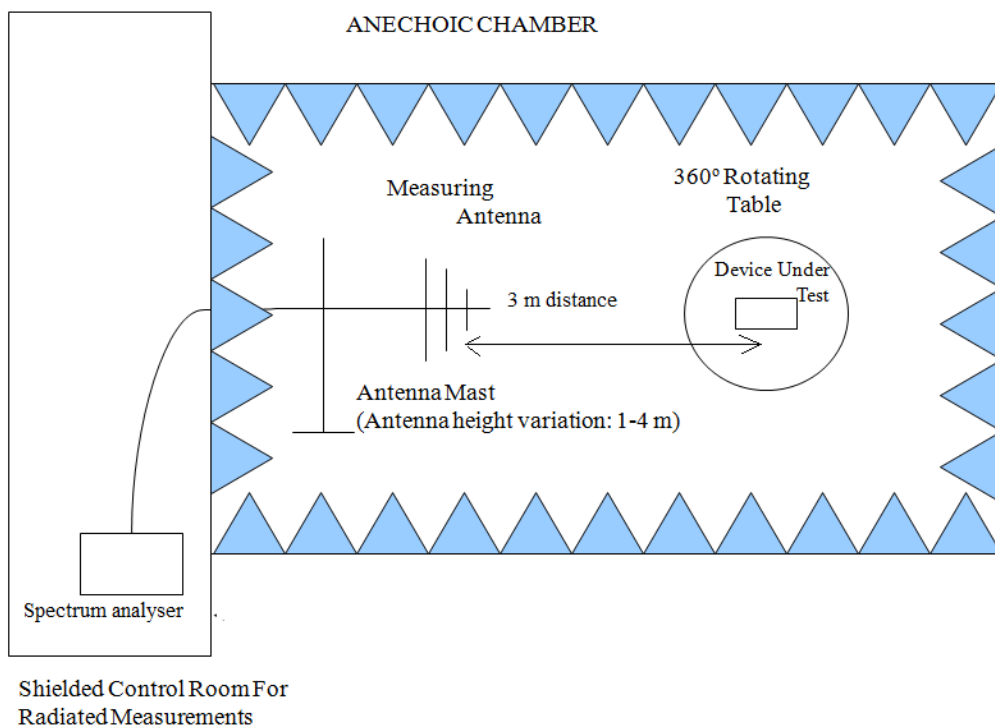
For radiated emissions in the range 17 GHz-26 GHz that is performed at a distance closer than the specified distance, an inverse proportionality factor of 20 dB per decade is used to normalize the measured data for determining compliance.

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.

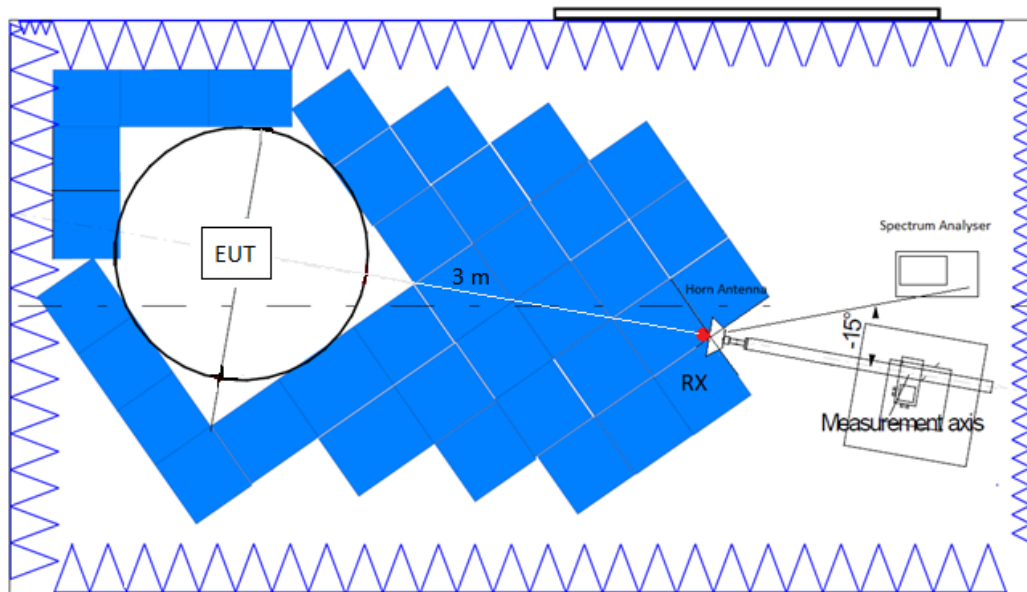
Measurements were made in both horizontal and vertical planes of polarization.

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.

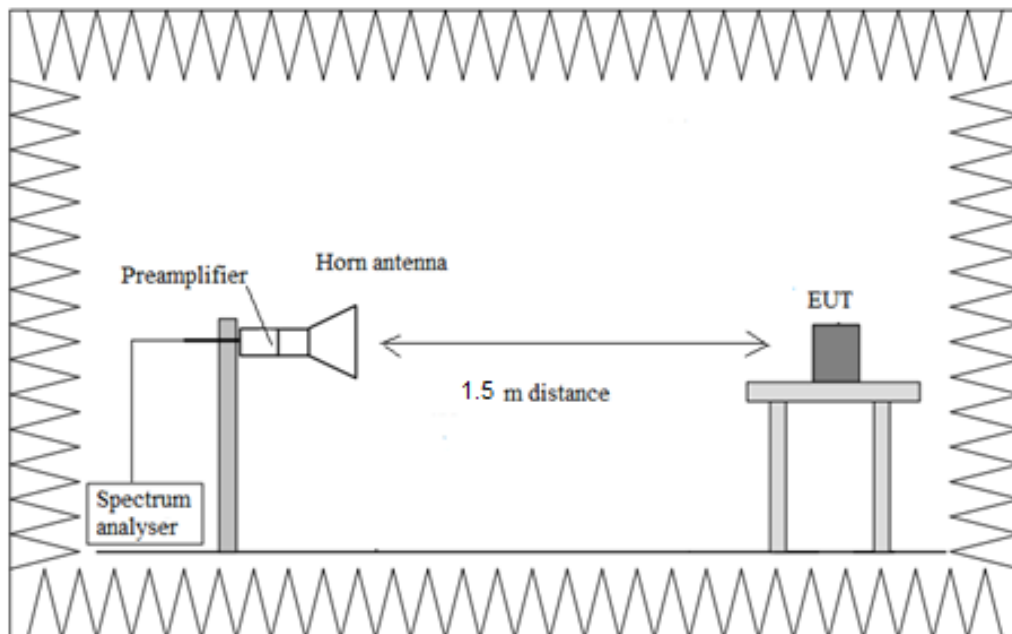
Radiated measurements setup from 30 MHz to 1 GHz:



Radiated measurements setup from 1 GHz to 17 GHz:



Radiated measurements setup $f > 17$ GHz:



TEST CASES DETAILS

FCC 47 CFR Part 15.247 / RSS-247

RSS-247 5.4 (d) / FCC 15.247 (b) (1) Maximum Average Conducted
output Power

Limits

For systems using digital modulation in the 2400-2483.5 MHz band: 1 watt (30 dBm).
The e.i.r.p. shall not exceed 4 W (36 dBm) (Canada).

Results

The maximum peak conducted output power level of the fundamental emission was measured according to clause 11.9.2.3.2 "Method AVGPM-G" of ANSI C63.10-2020+Cor.1-2023+C63.10a-2024.

The EIRP power (dBm) is calculated by adding the maximum declared antenna gain to the measured conducted power.

Modulation: 802.11b (DSSS 1 Mbit/s)
Antenna configuration: SISO (port 1 and port 3) & MIMO (ports 1+3)

Results

Equipment	BW (MHz)	Freq (MHz)	Port	Avg Power (dBm)	E.I.R.P. (dBm)
Digital Transmission System (DTS)	20	2412.00000	1	11.19	17,54
			3	9.53	15,88
			1+3	14.42	20,77
		2437.00000	1	11.86	18,21
			3	10.35	16,70
			1+3	15.29	21,64
		2462.00000	1	12.56	18,91
			3	10.51	16,86
			1+3	15.72	22,07

Modulation: 802.11g (OFDM 6 Mbit/s)

Antenna configuration: SISO (port 1 and port 3) & MIMO (ports 1+3)

Results

Equipment	BW (MHz)	Freq (MHz)	Port	Avg Power (dBm)	E.I.R.P. (dBm)
Digital Transmission System (DTS)	20	2412.00000	1	11.32	17,67
			3	9.67	16,02
			1+3	14.83	21,18
		2437.00000	1	12.40	18,75
			3	10.37	16,72
			1+3	15.55	21,90
		2462.00000	1	13.02	19,37
			3	10.99	17,34
			1+3	16.11	22,46

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

Antenna configuration: SISO (port 1 and port 3) & MIMO (ports 1+3)

Results

Equipment	BW (MHz)	Freq (MHz)	Port	Avg Power (dBm)	E.I.R.P. (dBm)
Digital Transmission System (DTS)	20	2412.00000	1	11.50	17,85
			3	10.26	16,61
			1+3	11.93	18,28
		2437.00000	1	12.60	18,95
			3	10.52	16,87
			1+3	12.58	18,93
		2462.00000	1	13.20	19,55
			3	11.10	17,45
			1+3	12.54	18,89

Modulation: 802.11ax HE20 (OFDMA MCS0) SU
Antenna configuration: SISO (port 1 and port 3) & MIMO (ports 1+3)

Results

Equipment	BW (MHz)	Freq (MHz)	Port	Avg Power (dBm)	E.I.R.P. (dBm)
Digital Transmission System (DTS)	20	2412.00000	1	6.74	13,09
			3	4.91	11,26
			1+3	8.95	15,30
		2437.00000	1	7.09	13,44
			3	5.98	12,33
			1+3	9.19	15,54
		2462.00000	1	7.14	13,49
			3	6.38	12,73
			1+3	9.68	16,03

Modulation: 802.11ax HE40 (OFDMA MCS0) SU
Antenna configuration: SISO (port 1 and port 3) & MIMO (ports 1+3)

Results

Equipment	BW (MHz)	Freq (MHz)	Port	Avg Power (dBm)	E.I.R.P. (dBm)
Digital Transmission System (DTS)	40	2422.00000	1	7.18	13,53
			3	5.38	11,73
			1+3	9.43	15,78
		2437.00000	1	7.44	13,79
			3	6.24	12,59
			1+3	9.88	16,23
		2452.00000	1	7.65	14,00
			3	6.81	13,16
			1+3	10.25	16,60

Modulation: 802.11ax HE20 (OFDMA MCS0) RU26 (Worst offset according to preliminary PSD testing)

Antenna configuration: SISO (port 1 and port 3) & MIMO (ports 1+3)

Results

Equipment	BW (MHz)	Freq (MHz)	Port	Avg Power (dBm)	E.I.R.P. (dBm)
Digital Transmission System (DTS)	20	2412.00000	1	5.336	11,69
			3	3.632	9,98
			1+3	8.253	14,60
		2437.00000	1	7.165	13,52
			3	5.956	12,31
			1+3	10.006	16,36
		2462.00000	1	6.092	12,44
			3	5.455	11,81
			1+3	9.539	15,89

Modulation: 802.11ax HE40 (OFDMA MCS0) RU26 (Worst offset according to preliminary PSD testing)

Antenna configuration: SISO (port 1 and port 3) & MIMO (ports 1+3)

Results

Equipment	BW (MHz)	Freq (MHz)	Port	Avg Power (dBm)	E.I.R.P. (dBm)
Digital Transmission System (DTS)	40	2422.00000	1	4.600	10,95
			3	2.911	9,26
			1+3	9.028	15,38
		2437.00000	1	6.441	12,79
			3	5.259	11,61
			1+3	9.366	15,72
		2452.00000	1	5.164	11,51
			3	5.499	11,85
			1+3	9.082	15,43

Verdict

Pass

RSS-247 5.5 / FCC 15.247 (d) [RSE] Emission limitations radiated (Transmitter)

Limits

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

Frequency Range (MHz)	Field strength ($\mu\text{V/m}$)	Field strength ($\text{dB}\mu\text{V/m}$)	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
Above 960	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.

RSS-247: Attenuation below the general field strength limits specified in RSS-Gen is not required.

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.

Modulation: 802.11b (DSSS 1 Mbit/s)

Results

Freq Rng (GHz)	Operation Band (MHz)	Equipment	Freq (MHz)	Port	Unwanted Freq (MHz)	Unwanted Lvl (dBμV/m)	Pol	Detector
[0.03, 1]	[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	1	129.005	23.30	V	PK
					129.005	4.78	V	QP
					233.312	28.88	V	PK
					233.312	25.32	V	QP
					266.648	29.93	V	PK
					266.648	27.36	V	QP
					416.674	31.37	V	PK
					416.674	29.21	V	QP
					45.003	16.68	V	PK
					45.003	5.58	V	QP
					63.012	22.80	V	PK
					63.012	7.94	V	QP
					716.695	35.26	V	PK
					716.695	32.03	V	QP
			2437.00000	1	233.312	12.75	V	PK
					233.312	6.22	V	QP
					266.648	14.87	V	PK
					266.648	8.07	V	QP
					54.670	20.27	V	PK
					54.670	11.93	V	QP
					716.695	36.78	V	PK
					716.695	33.78	V	QP
			2412.00000	1+2	624.998	30.88	V	PK
					624.998	27.80	V	QP
			2437.00000		624.998	30.66	V	PK
					624.998	27.65	V	QP
[1, 3]		2412.00000		2389.200	60.84	H	PK	
				2389.200	40.79	H	AVG	

Verdict

Pass

Attachments

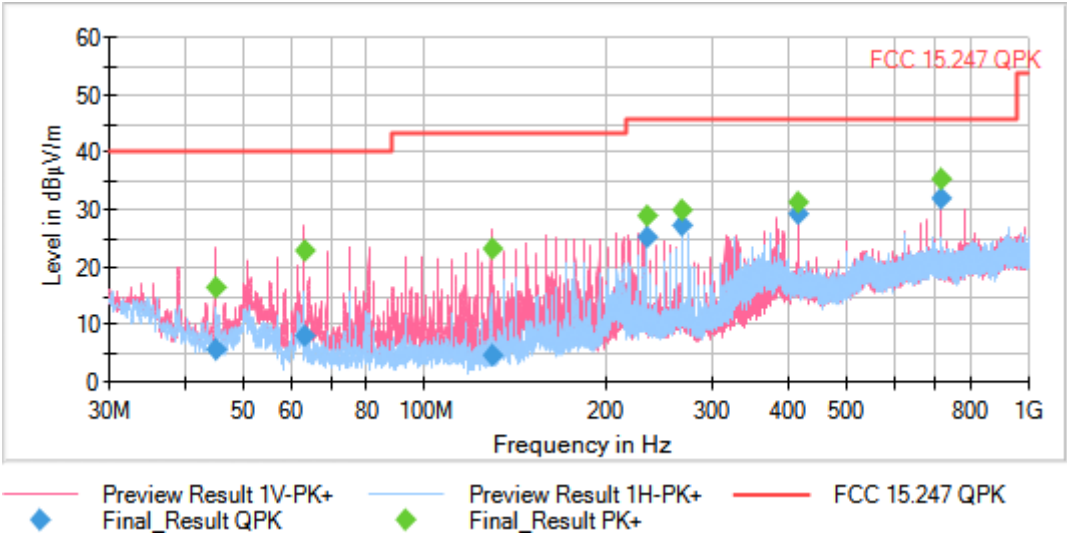
Frequency Range GHz = [0.03, 1]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

The spurious frequencies detected do not depend on the transmission channel or the Modulation

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	30 MHz - 1 GHz	32,333 kHz	PK+	100 kHz	Coupled	0 dB

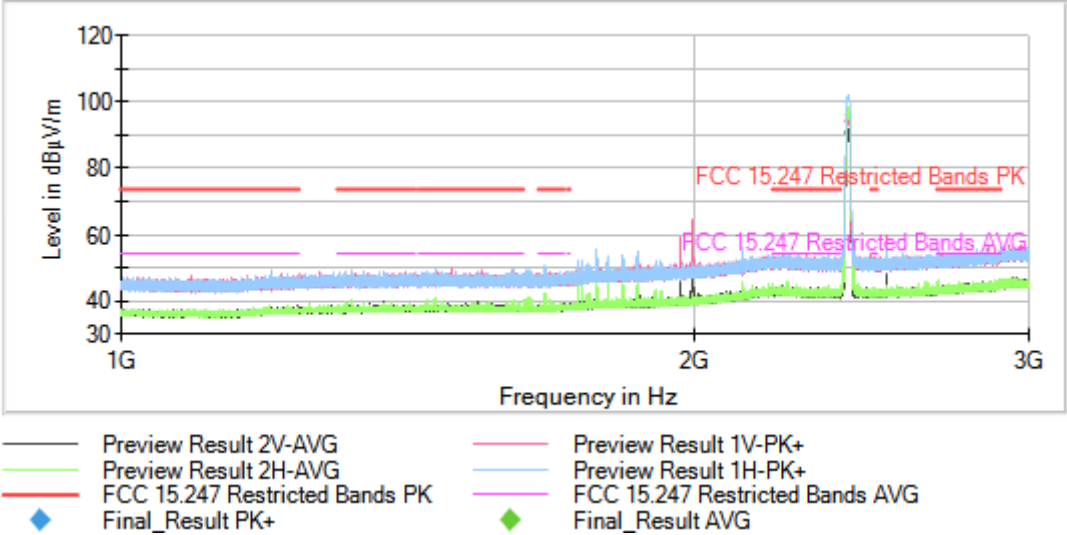
Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

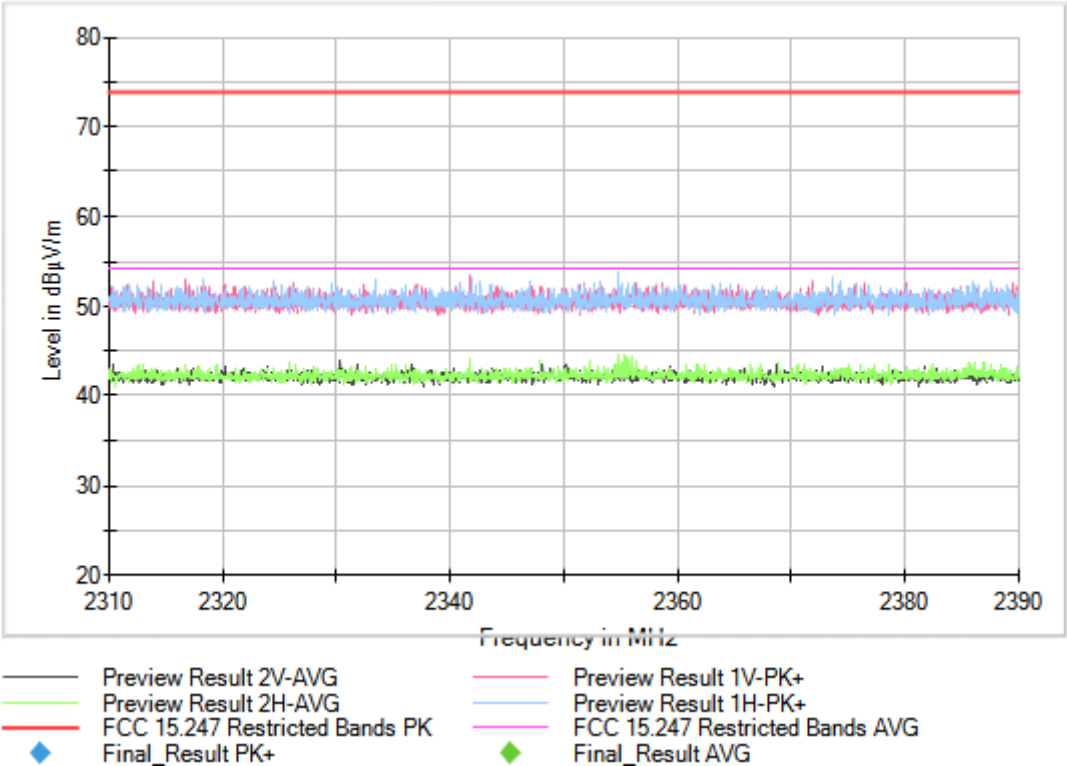
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2412.00000

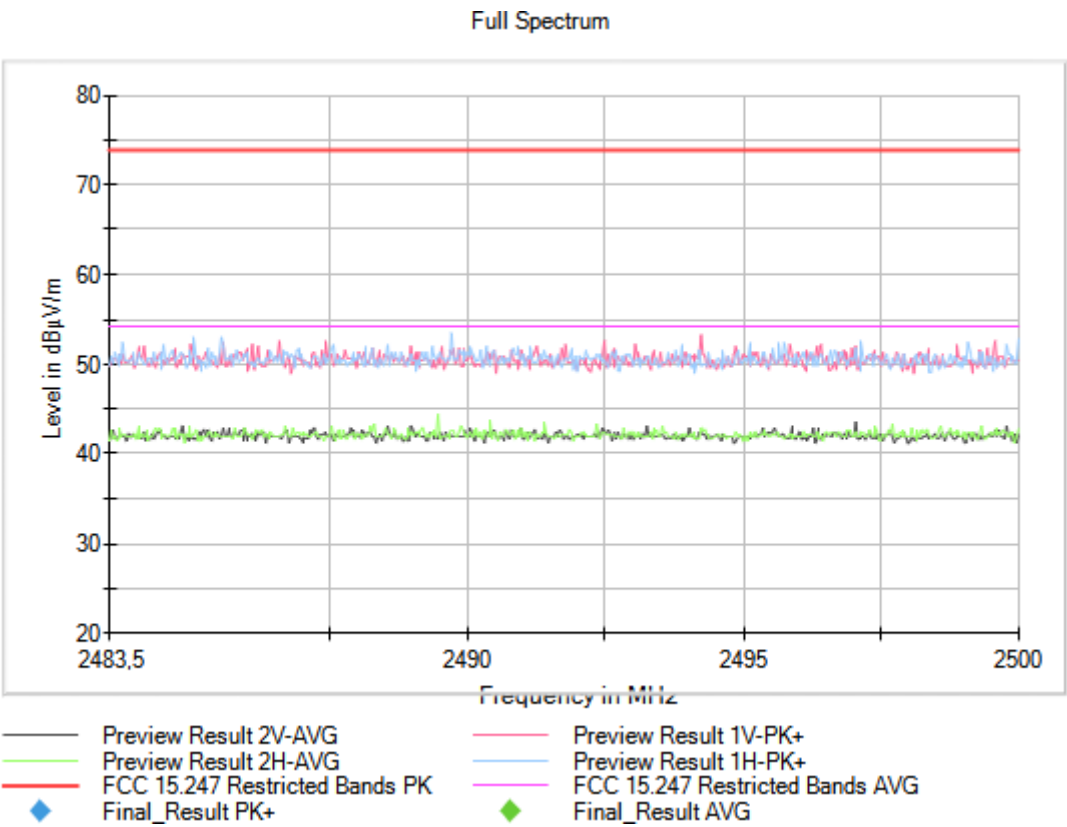
Active Port = 1 Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

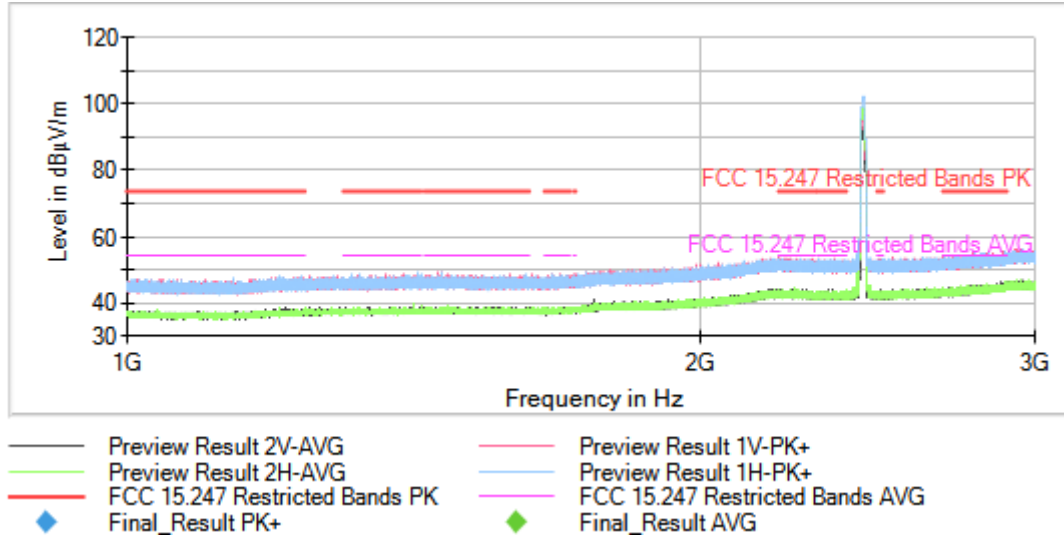
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

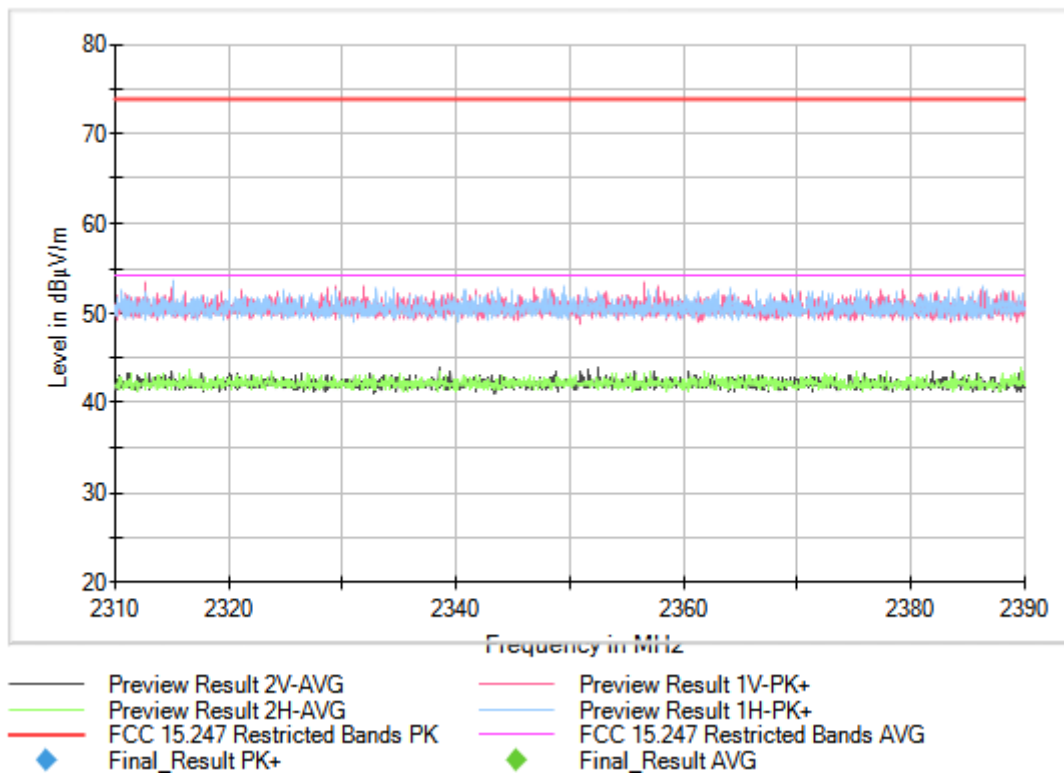
Active Port = 1

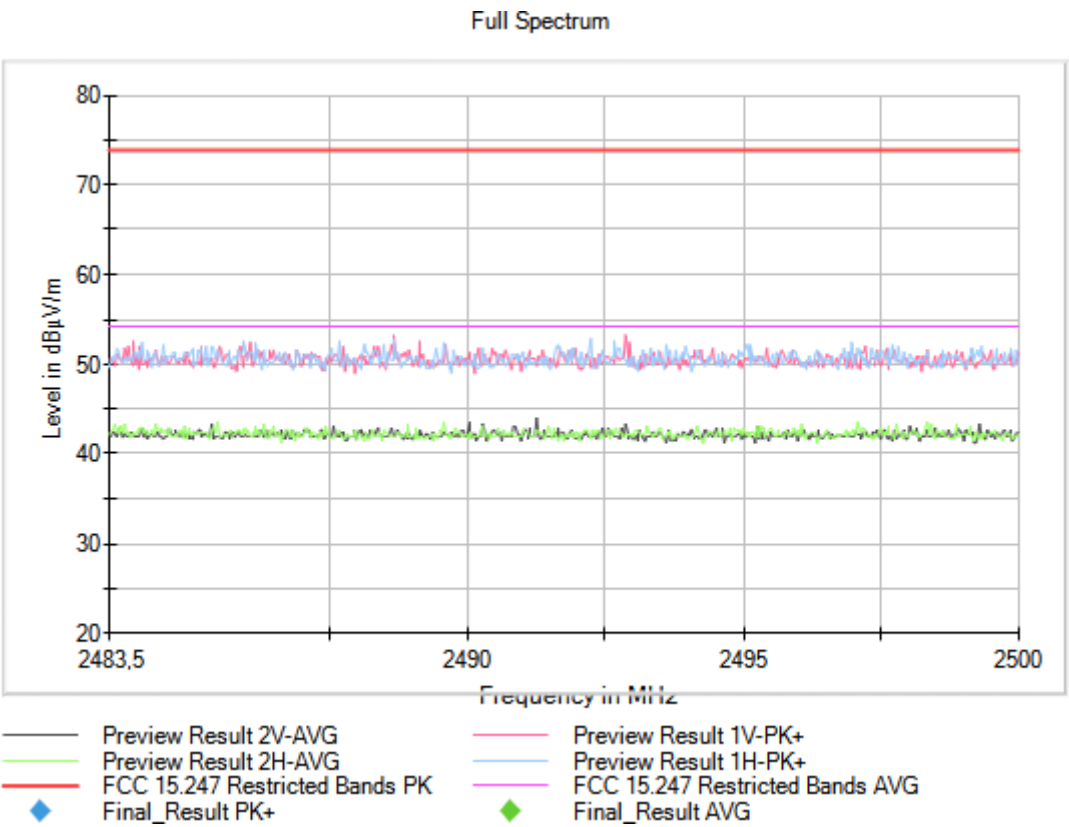
Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

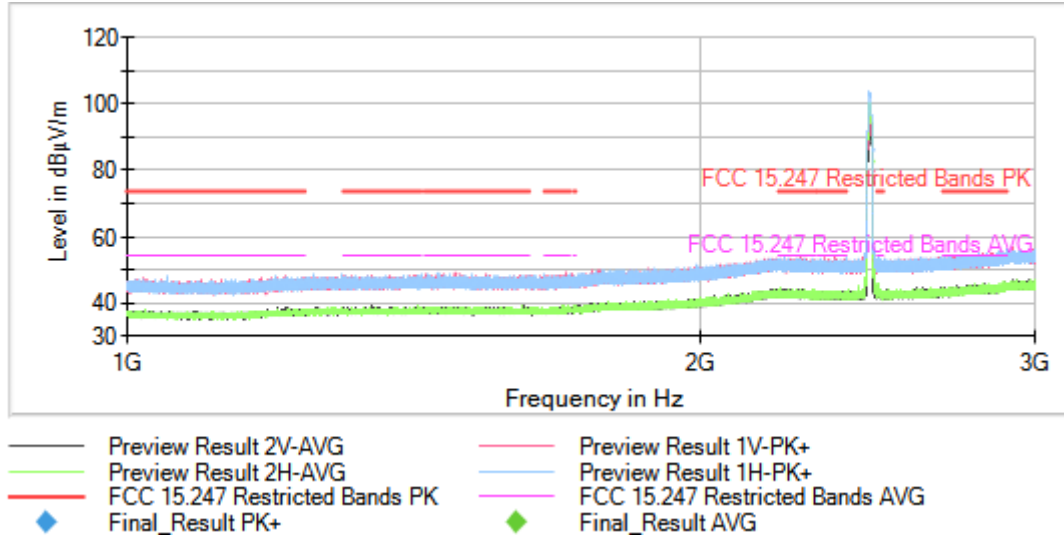
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2462.00000

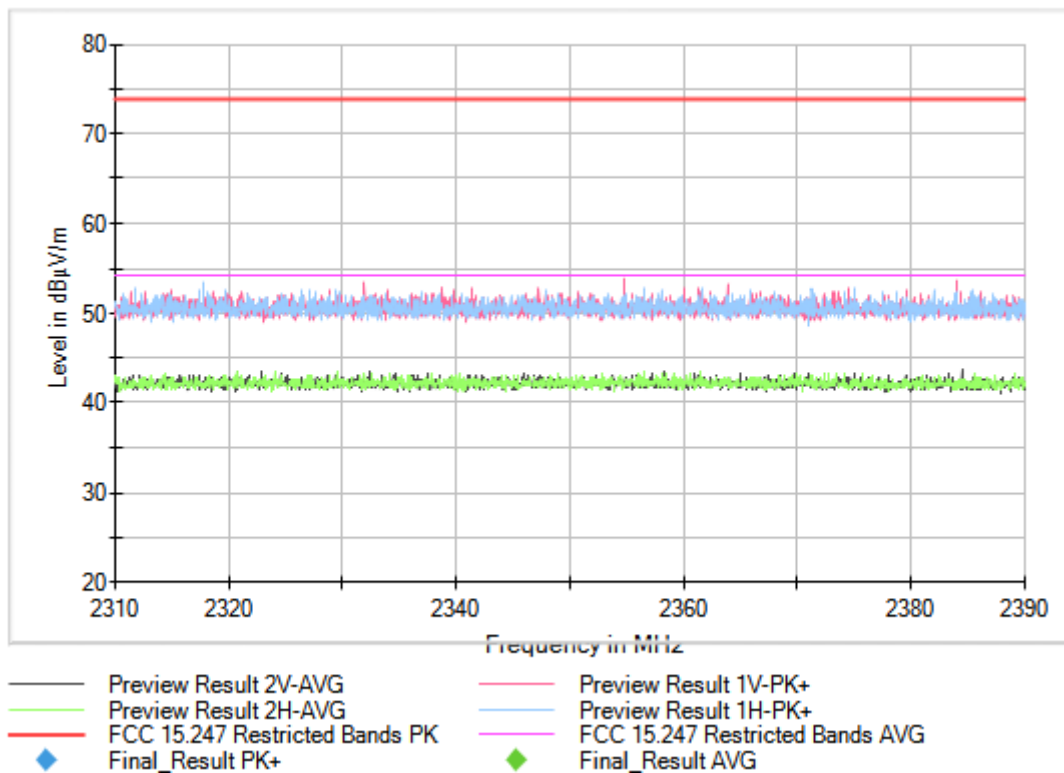
Active Port = 1

Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [3, 17]

Equipment Type = Digital Transmission System (DTS)

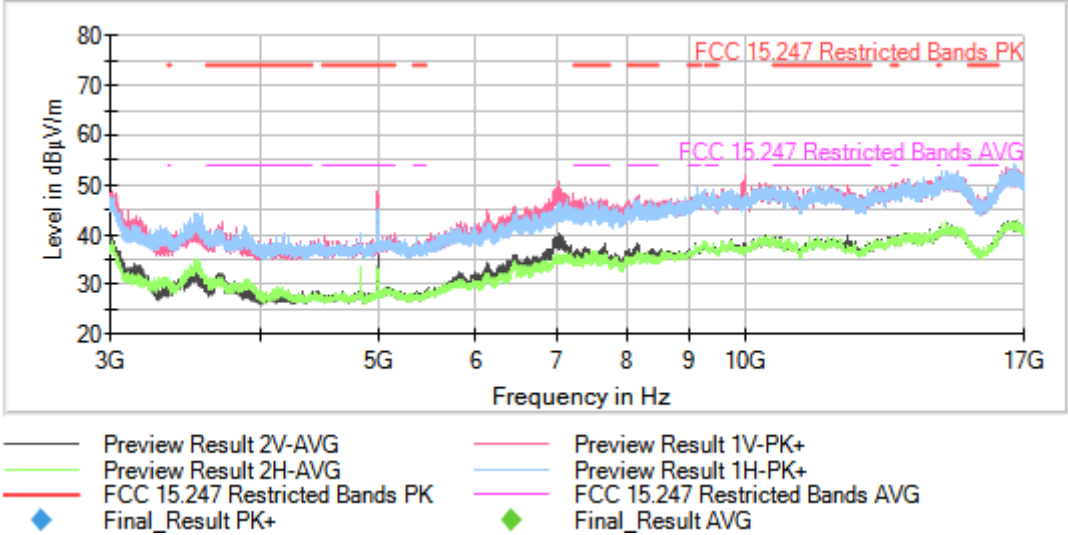
Active Port = 1

Operation Band MHz = [2400, 2483.5]

Frequency MHz = 2412.00000

Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

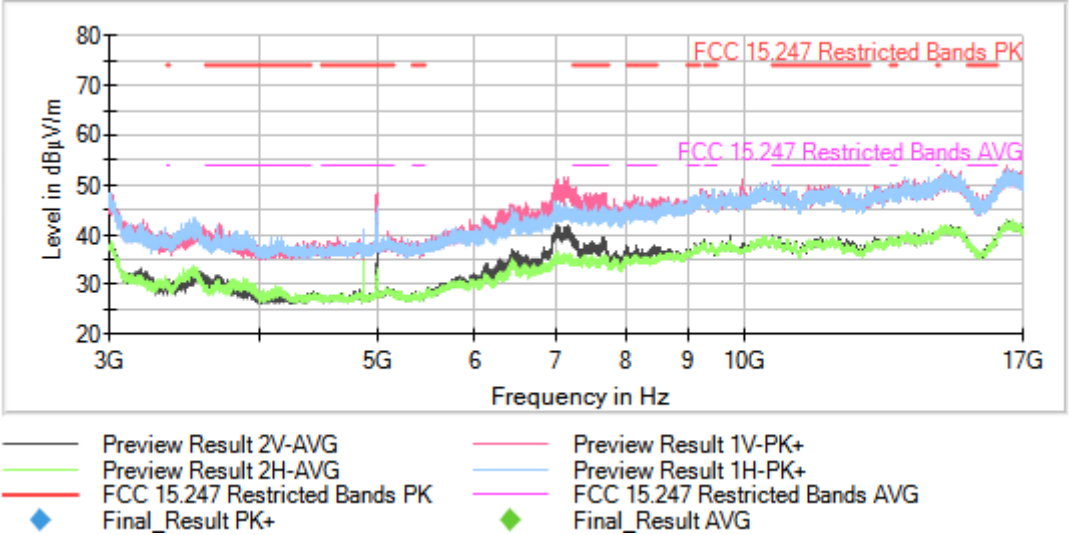
Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

Active Port = 1 Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

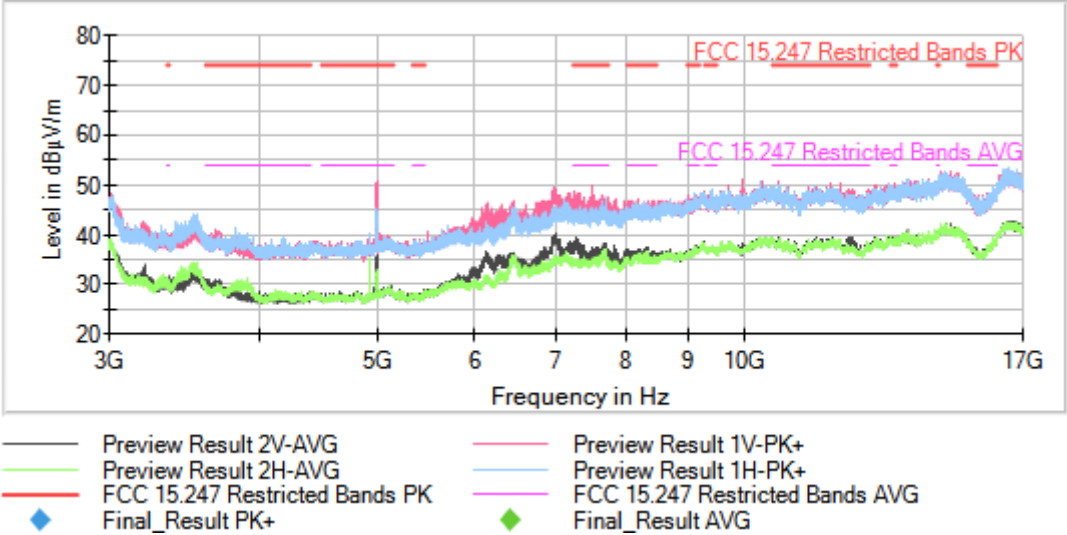
Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2462.00000

Active Port = 1 Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [17, 26]

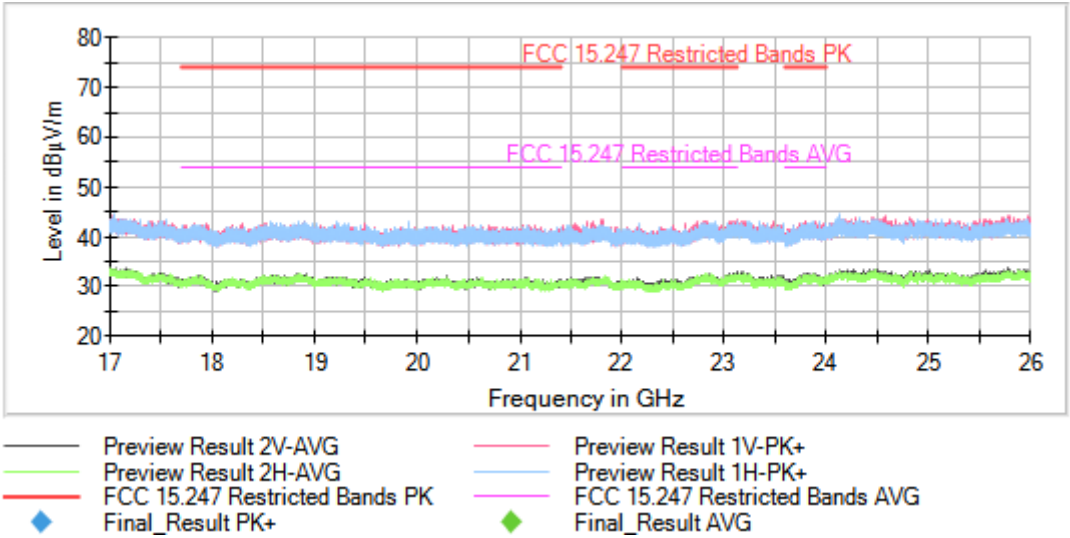
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission
System (DTS)

The spurious frequencies detected do not depend on the
transmission channel or the Modulation

Active Port = 1

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	17 GHz - 26 GHz	300 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

802.11b (DSSS 1 Mbit/s) MIMO Mode:

Frequency Range GHz = [1, 3]

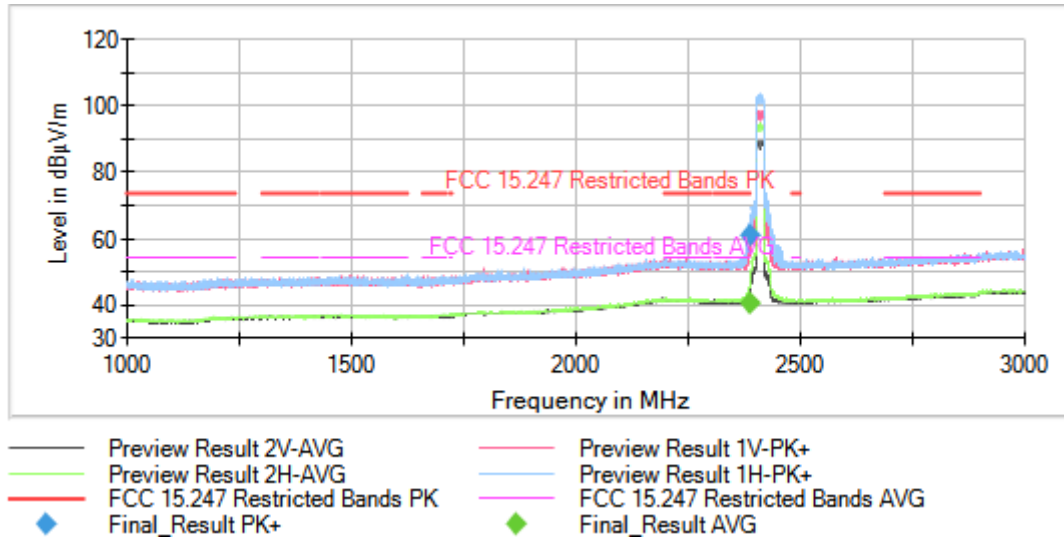
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2412.00000

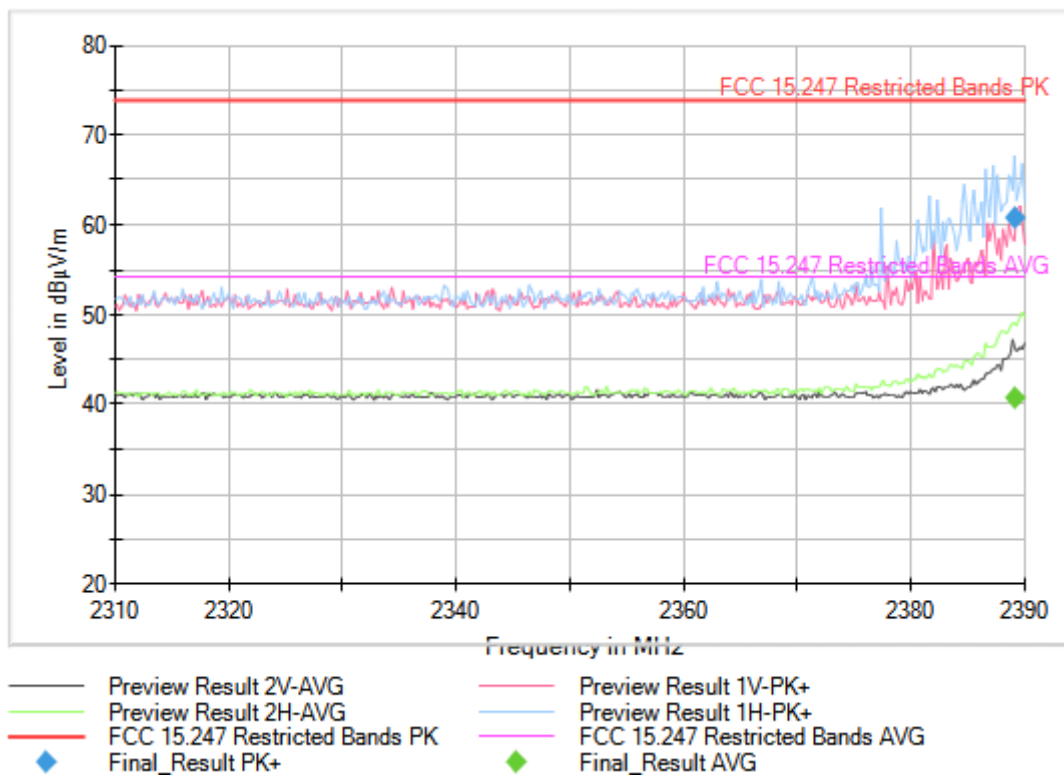
Active Port = 1+2

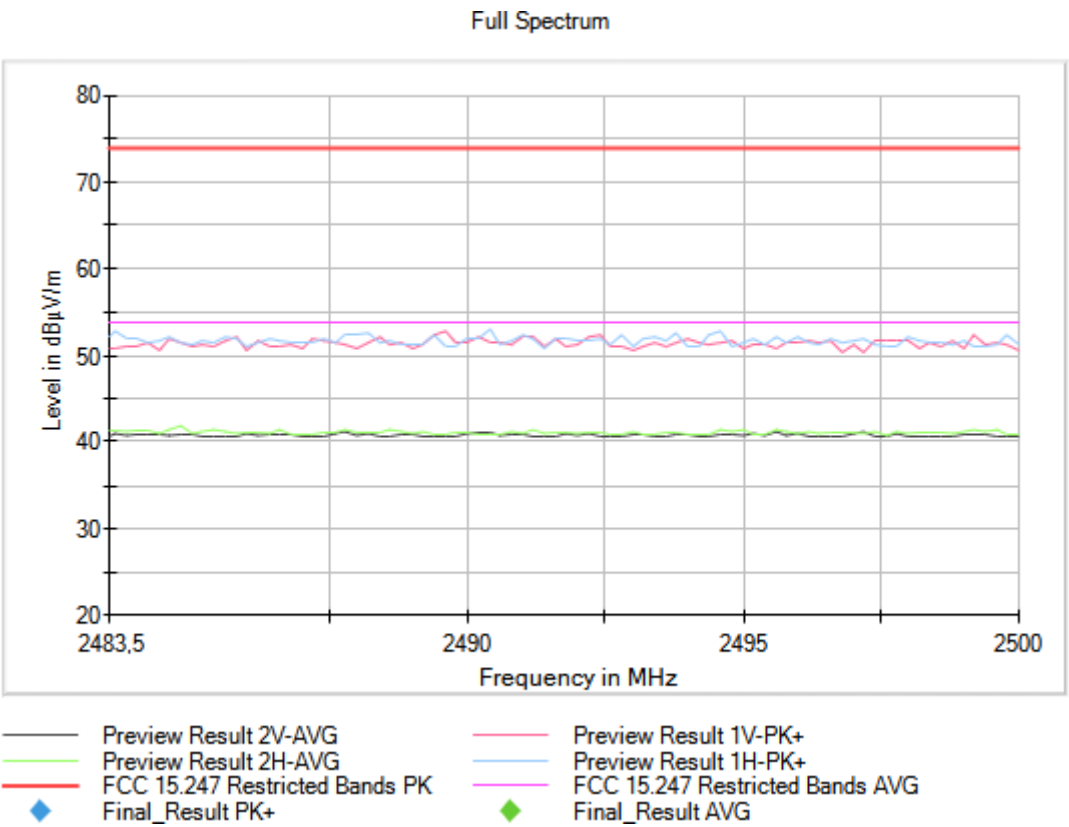
Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

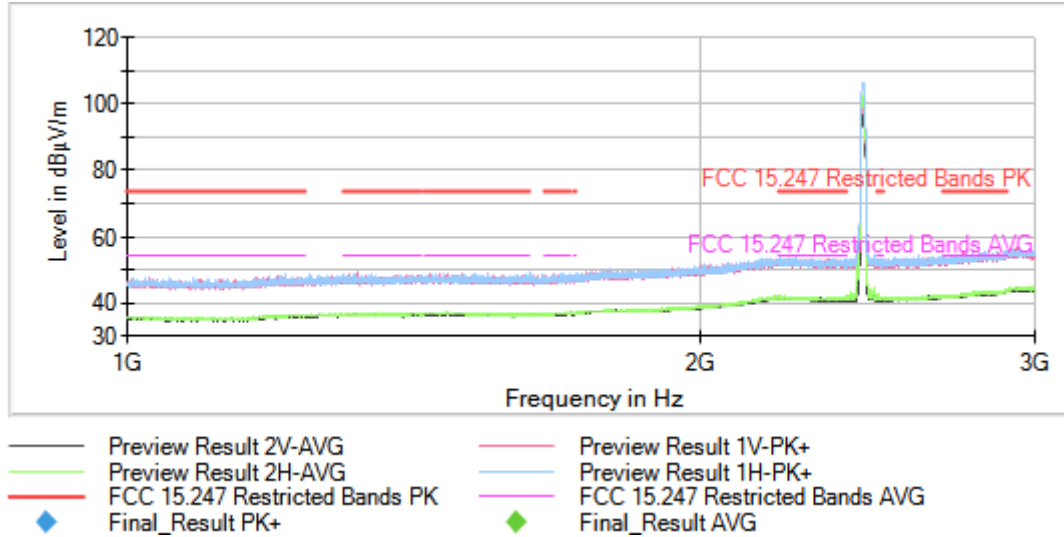
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

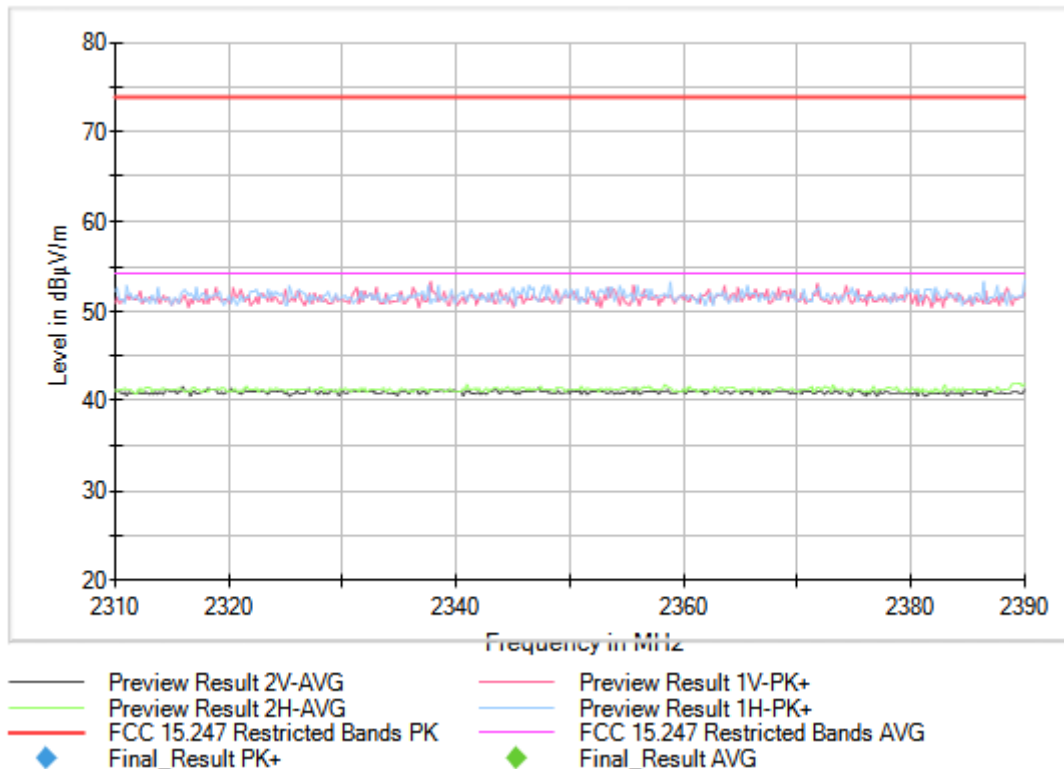
Active Port = 1+2

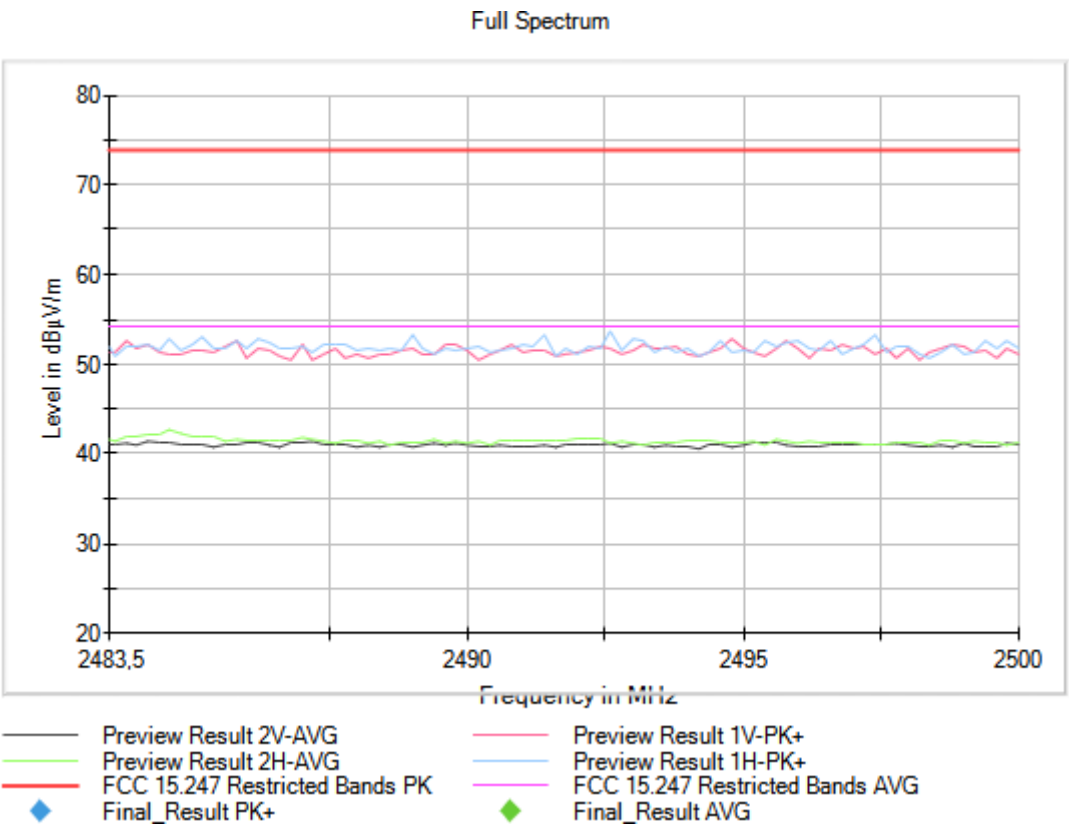
Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

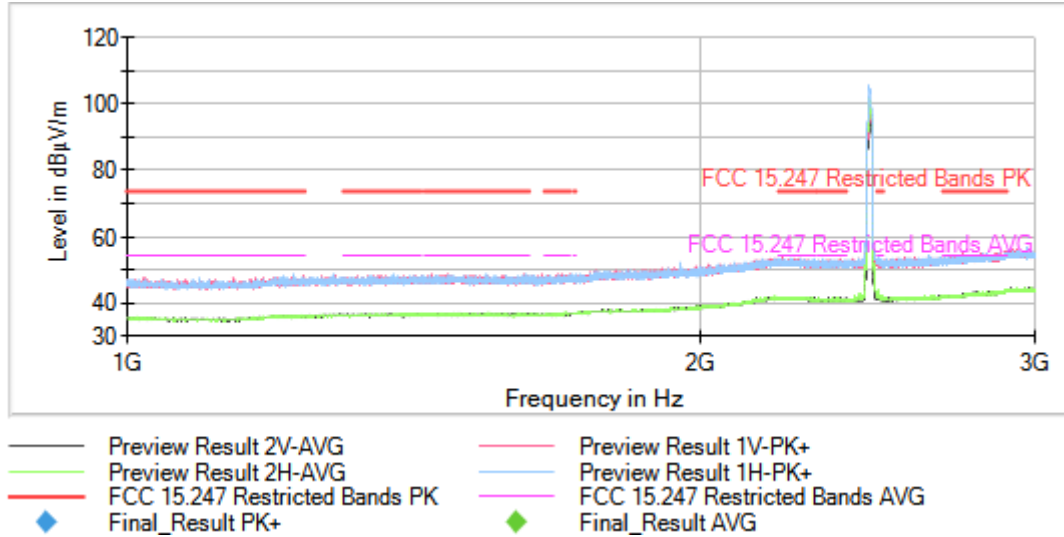
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2462.00000

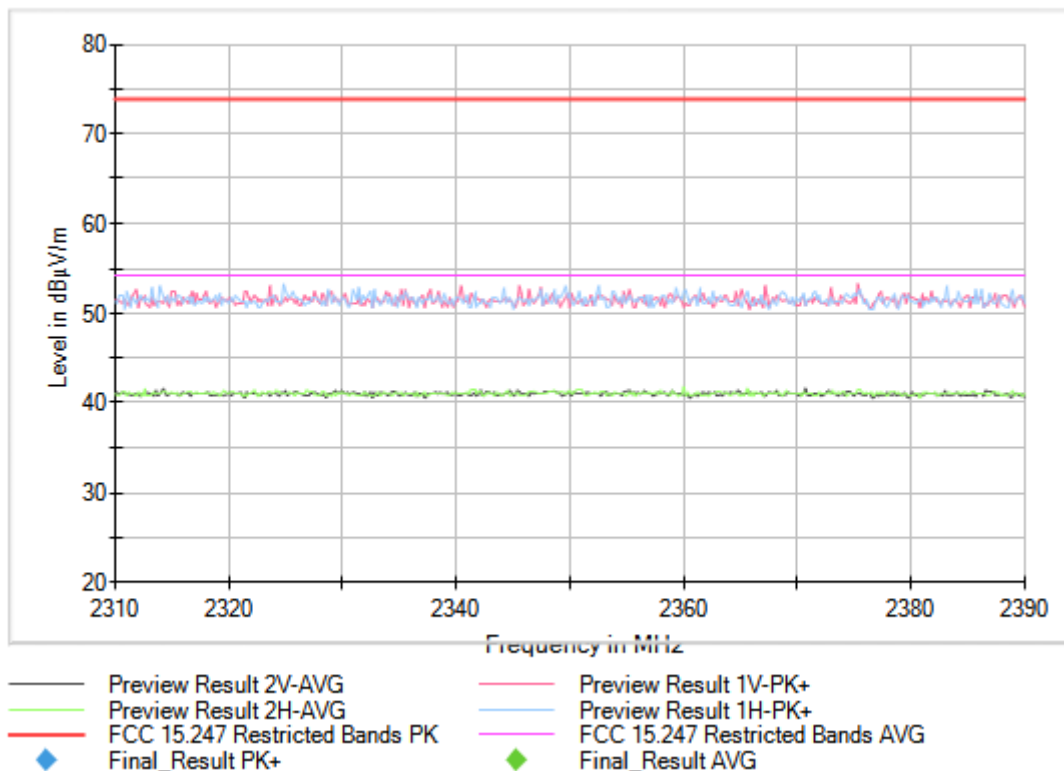
Active Port = 1+2

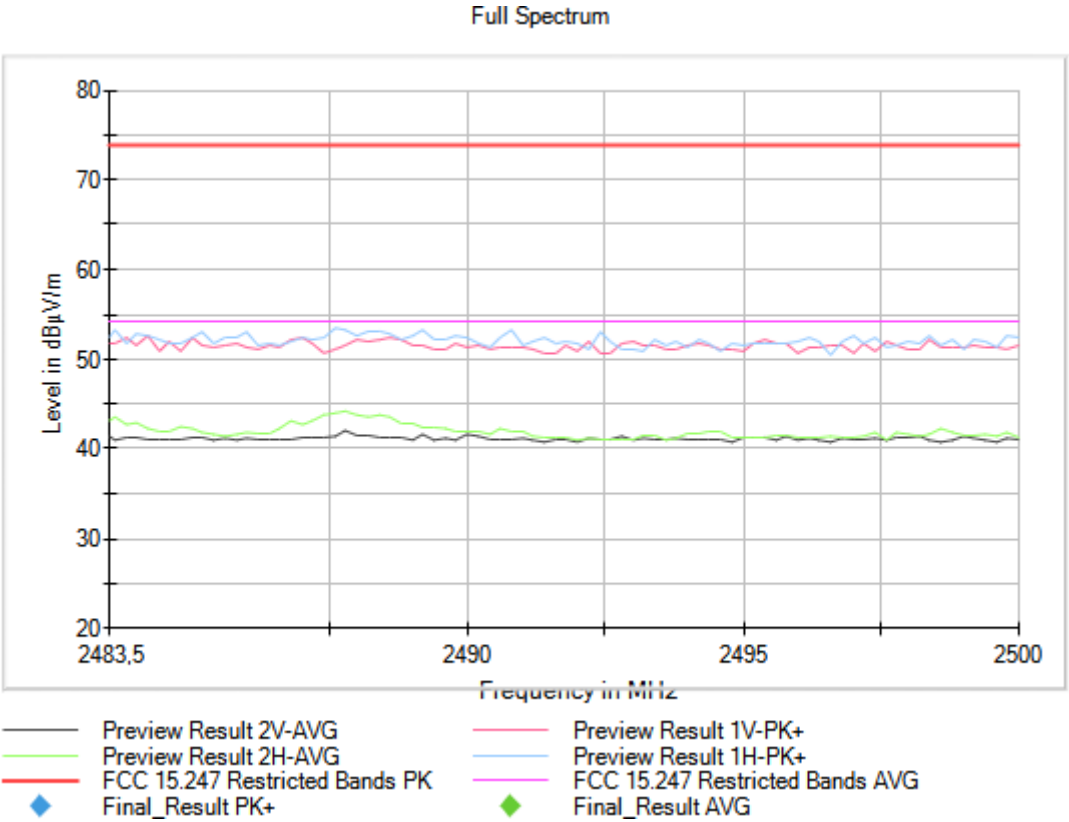
Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [3, 17]

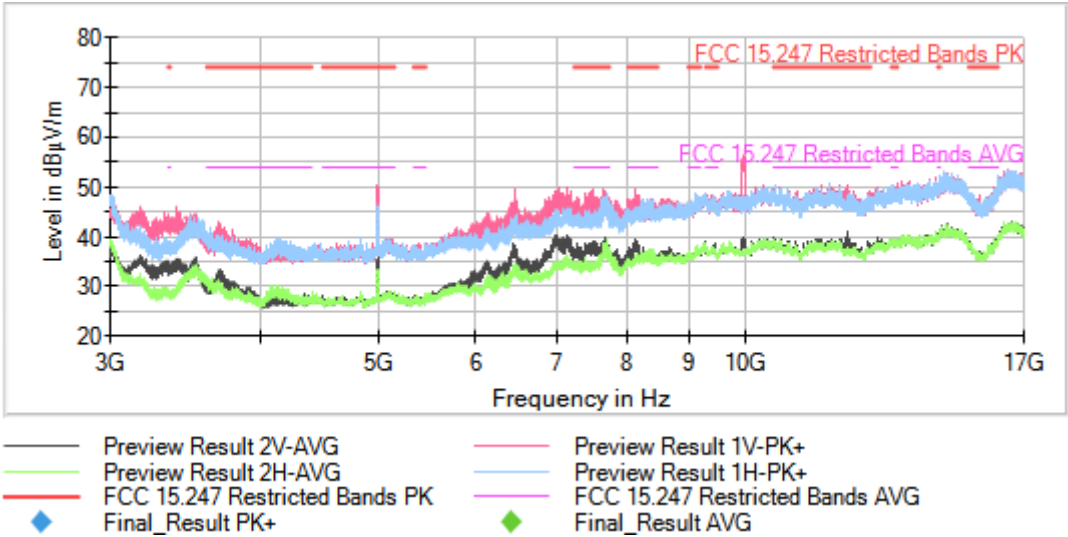
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2412.00000

Active Port = 1+2

Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

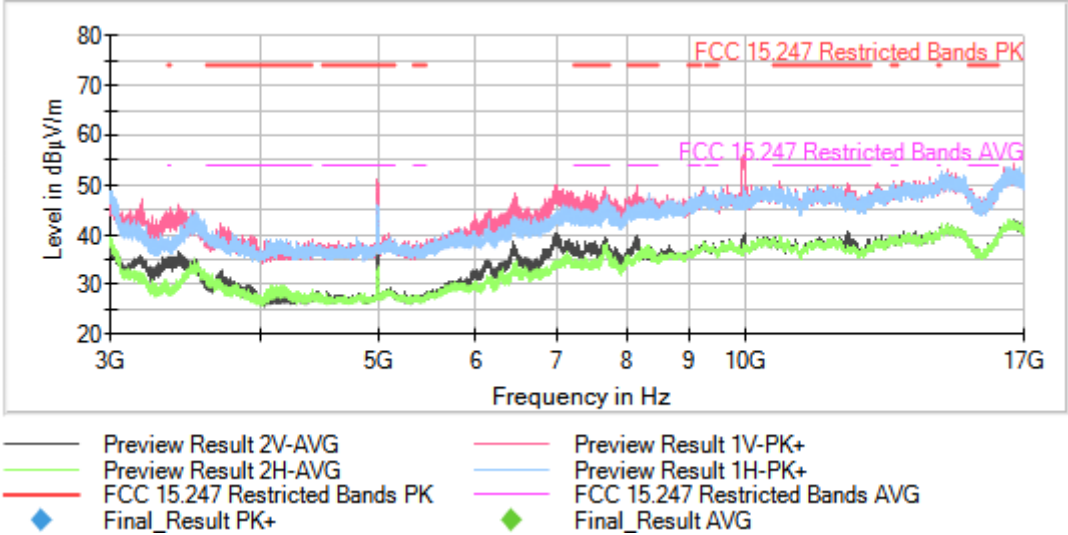
Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

Active Port = 1+2 Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

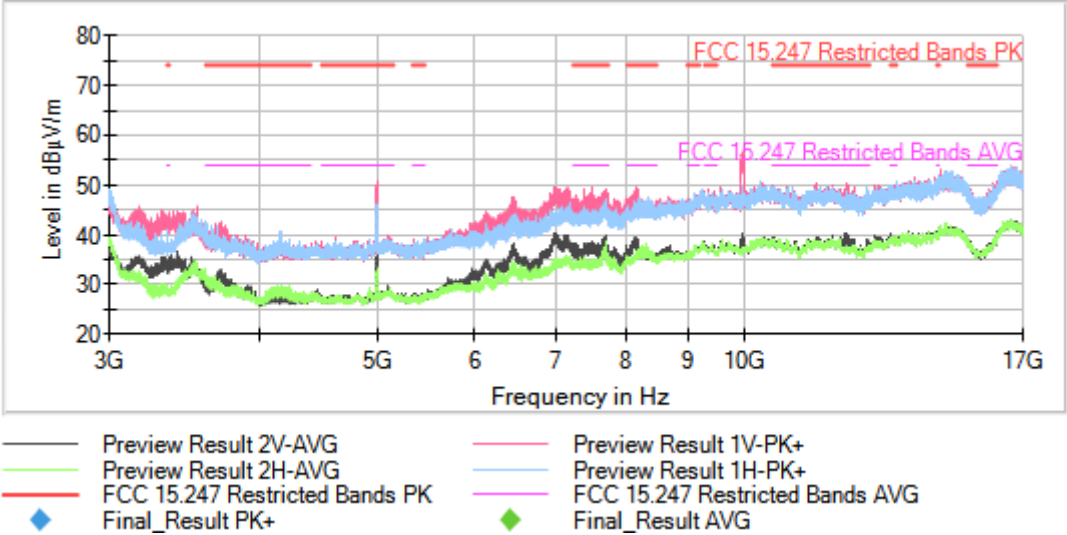
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2462.00000

Active Port = 1+2

Modulation = 802.11b (DSSS 1 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [17, 26]

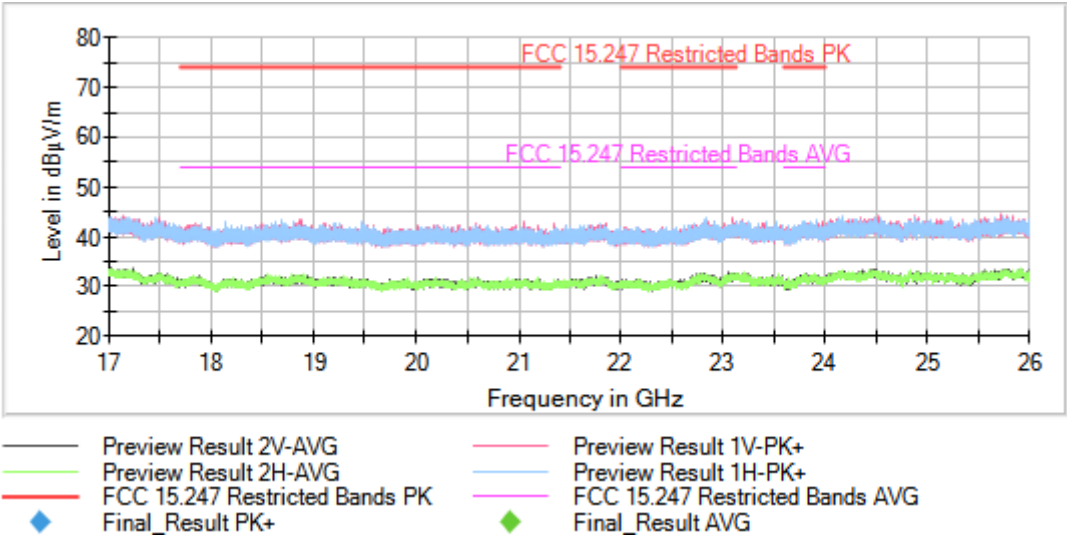
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission
System (DTS)

The spurious frequencies detected do not depend on the
transmission channel or the Modulation

Active Port = 1+2

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	17 GHz - 26 GHz	300 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Modulation: 802.11g (OFDM 6 Mbit/s)

Results

Freq Rng (GHz)	Operation Band (MHz)	Equipment	Freq (MHz)	Port	Unwanted Freq (MHz)	Unwanted Lvl (dBμV/m)	Pol	Detector
[0.03, 1]	[2400, 2483.5]	Digital Transmission System (DTS)	2462.00000	1	625.030	29.55	V	PK
[1, 3]					625.030	26.06	V	QP
			2412.00000		2389.108	67.92	H	PK
					2389.108	48.82	H	AVG
				1+2	2388.400	69.96	H	PK
					2388.400	52.87	H	AVG
			2462.00000	1	2486.031	63.35	H	PK
					2486.031	41.44	H	AVG
				2	2484.200	71.75	H	PK
2484.200					52.51	H	AVG	
[0.03, 1]				1+2	624.998	30.45	V	PK
					624.998	27.53	V	QP

Verdict

Pass

Attachments

Frequency Range GHz = [0.03, 1]

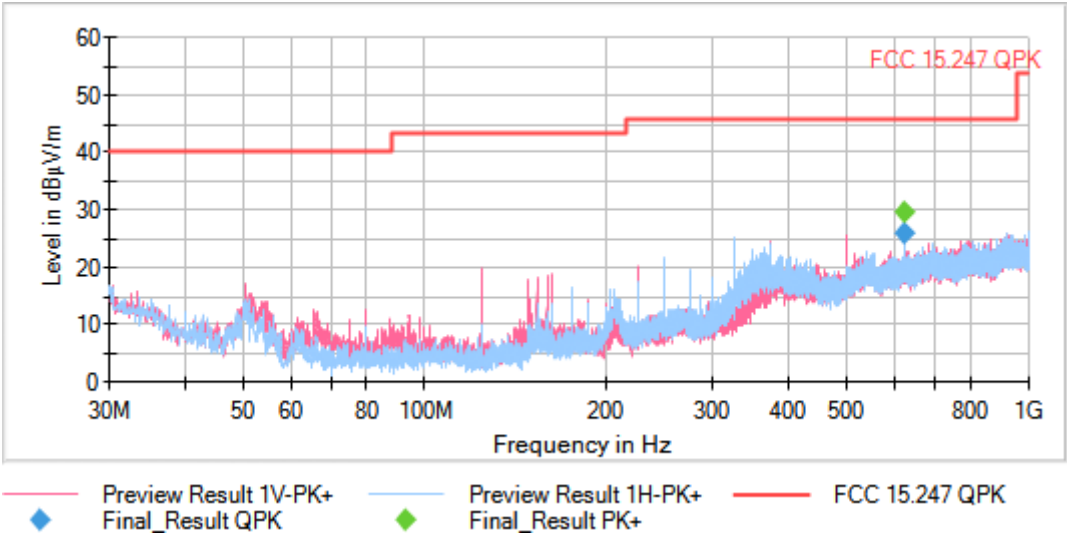
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

The spurious frequencies detected do not depend on the transmission channel or the Modulation

Active Port = 1

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	30 MHz - 1 GHz	32,333 kHz	PK+	100 kHz	Coupled	0 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

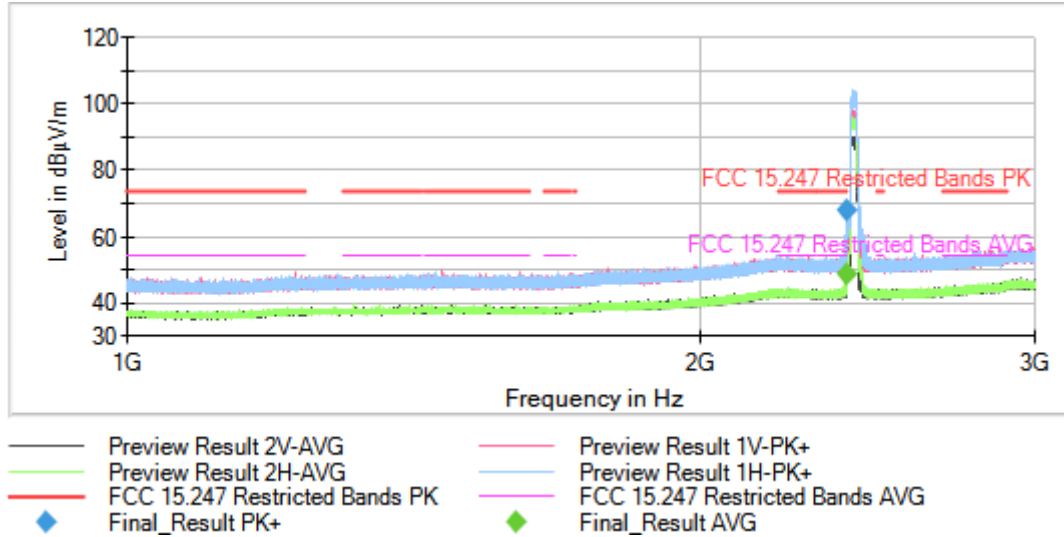
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

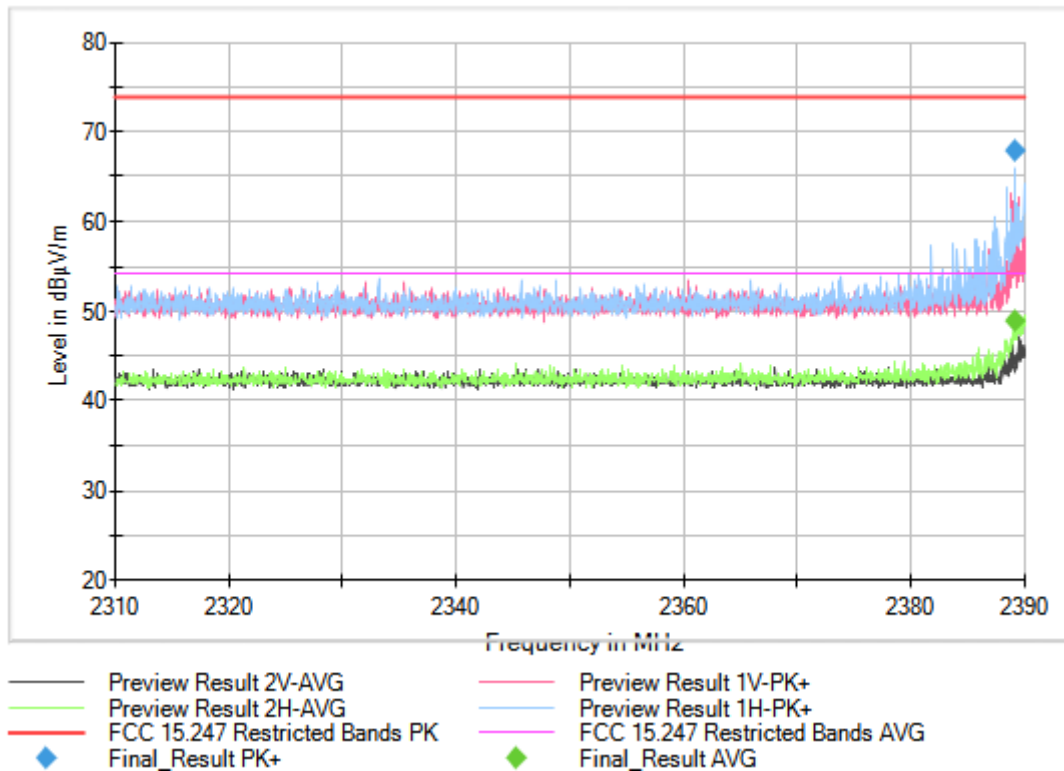
Active Port = 1

Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

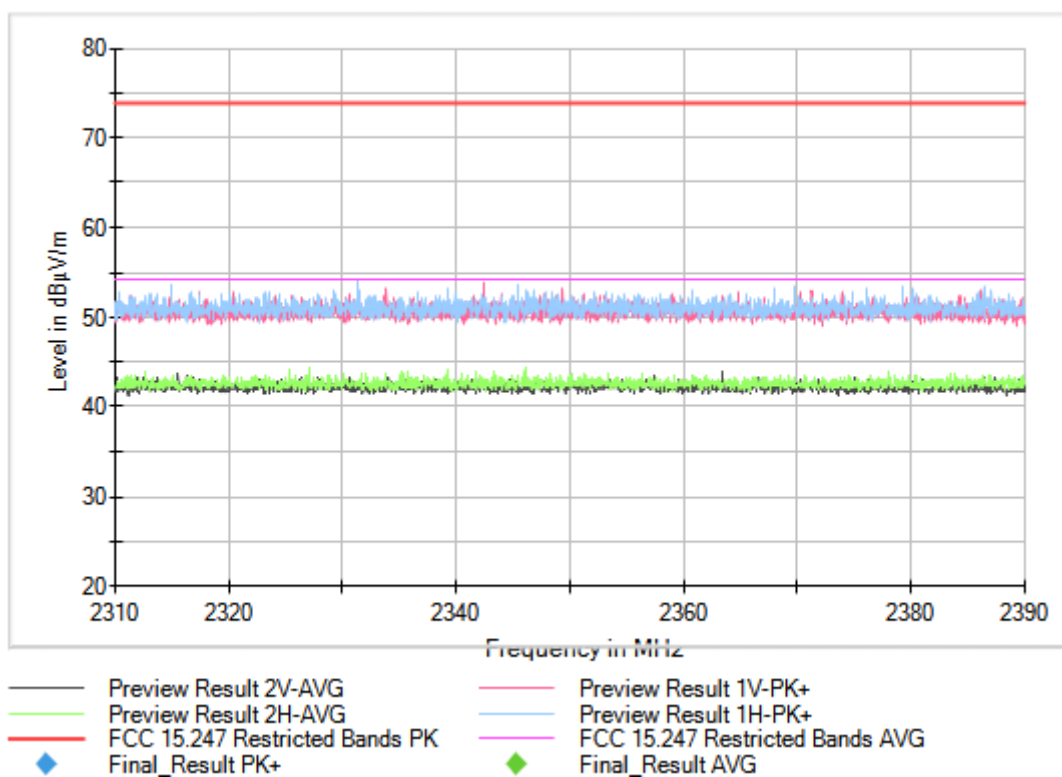
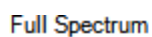
	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

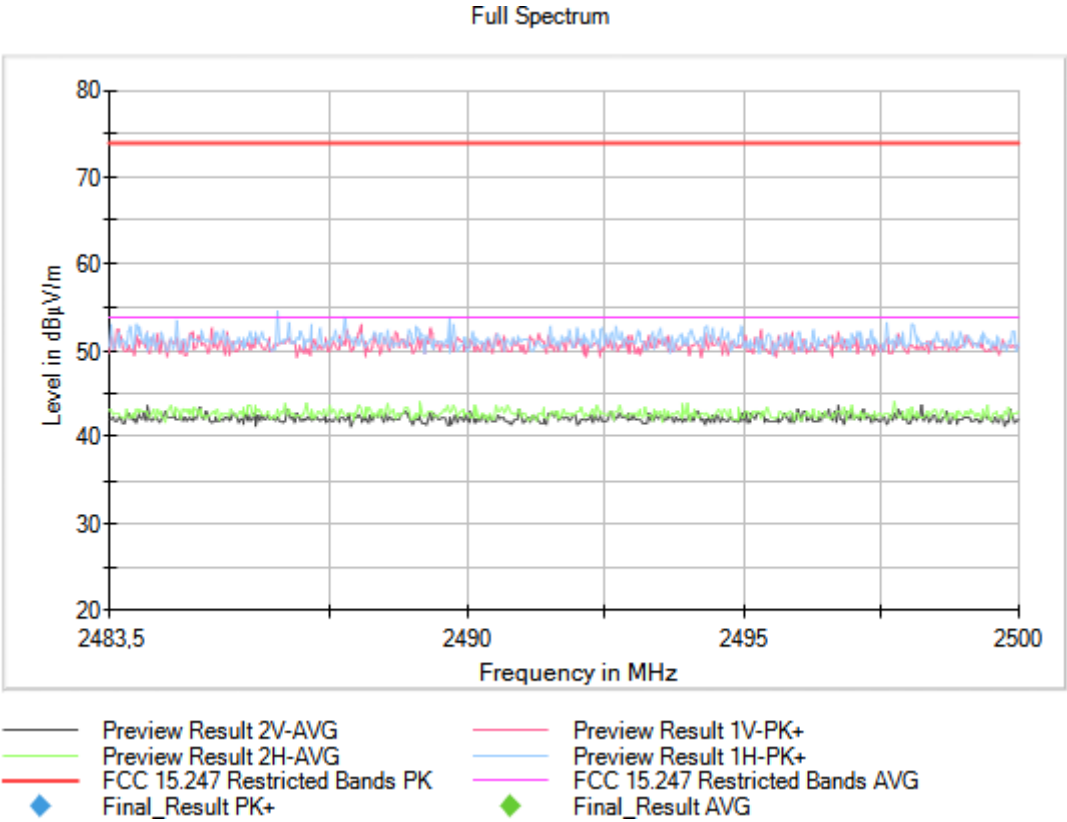
Operation Band MHz = [2400, 2483.5]

Frequency MHz = 2437.00000

Modulation = 802.11g (OFDM 6 Mbit/s)

Images:





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Equipment Type = Digital Transmission System (DTS)

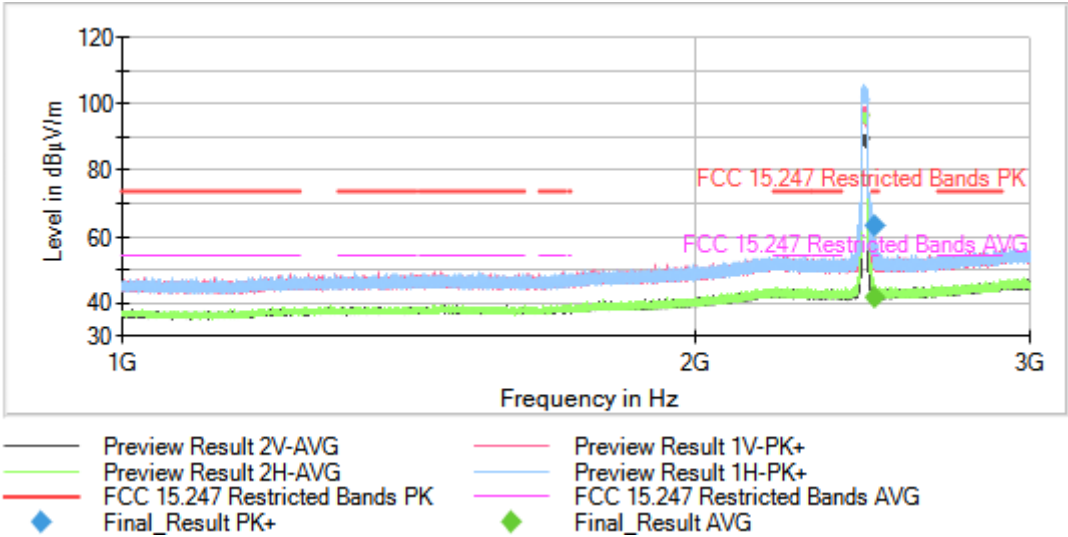
Active Port = 1

Operation Band MHz = [2400, 2483.5]

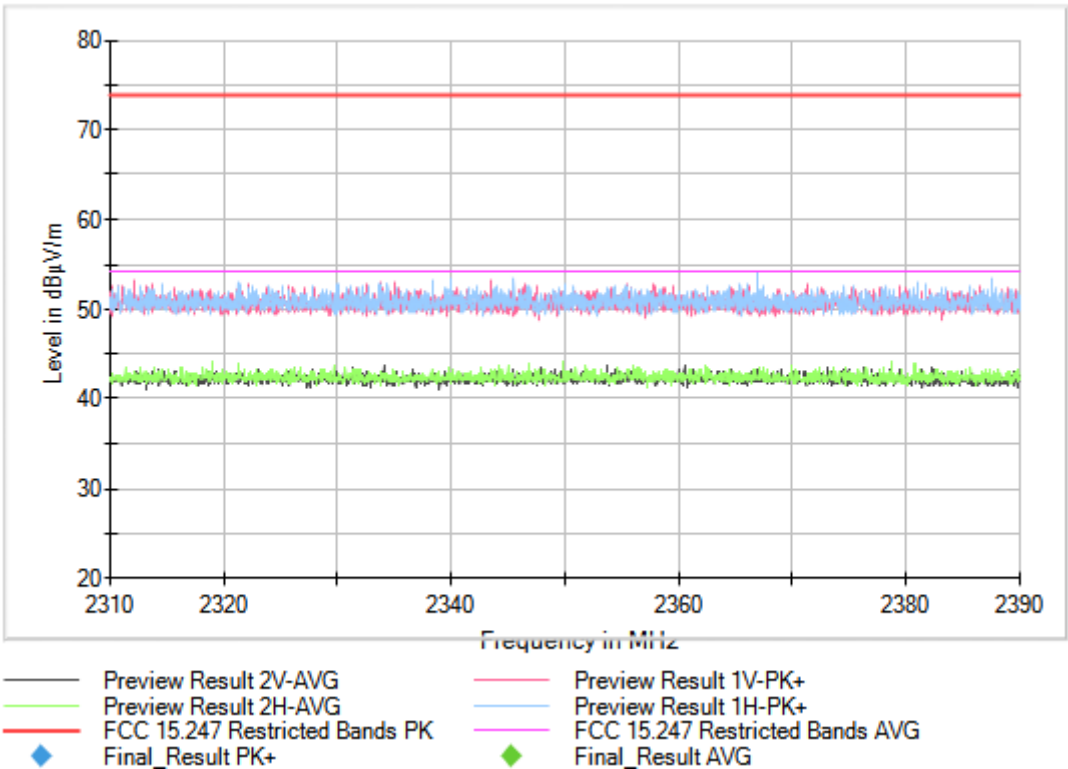
Frequency MHz = 2462.00000

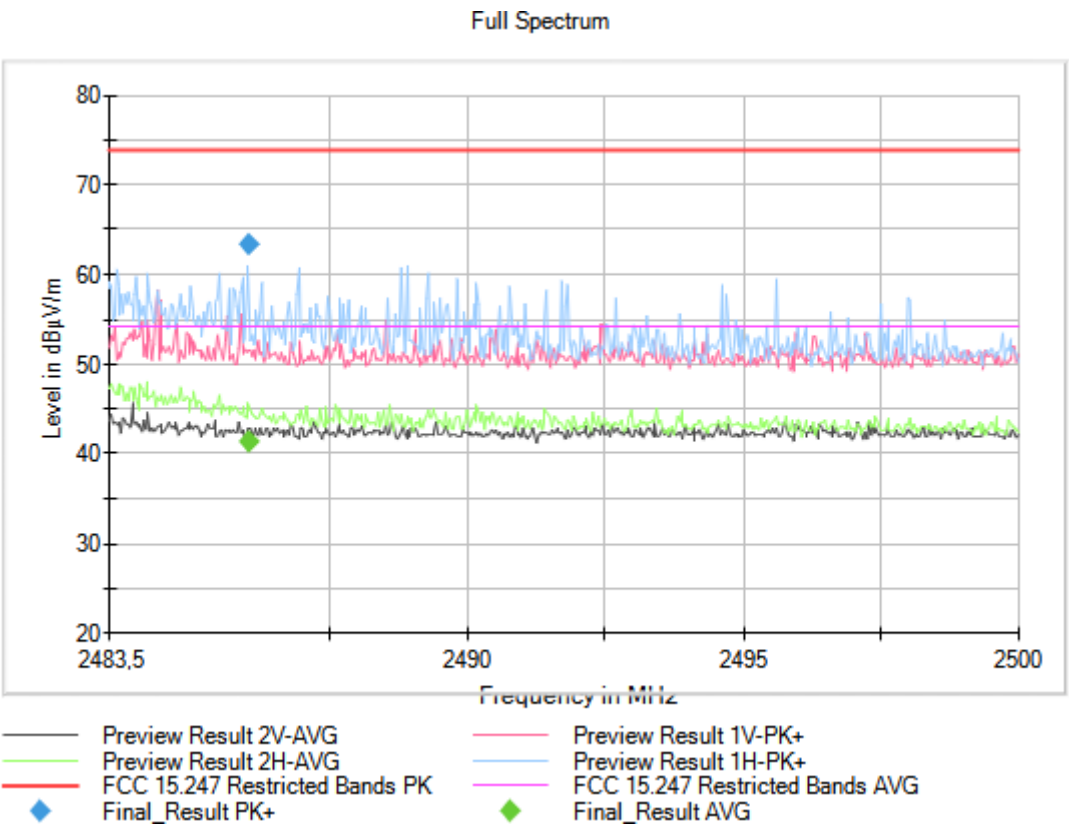
Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

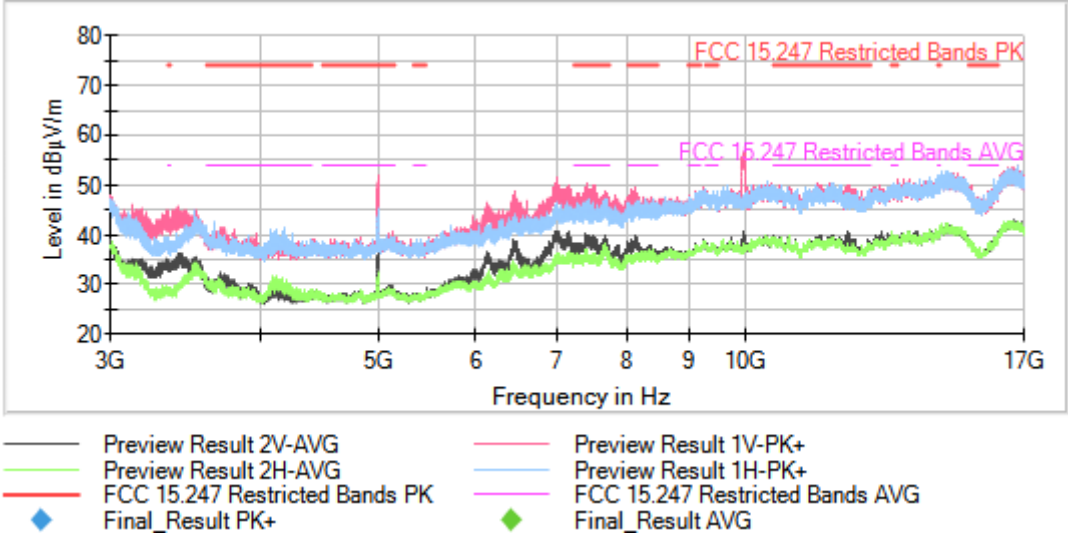
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

Active Port = 1

Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

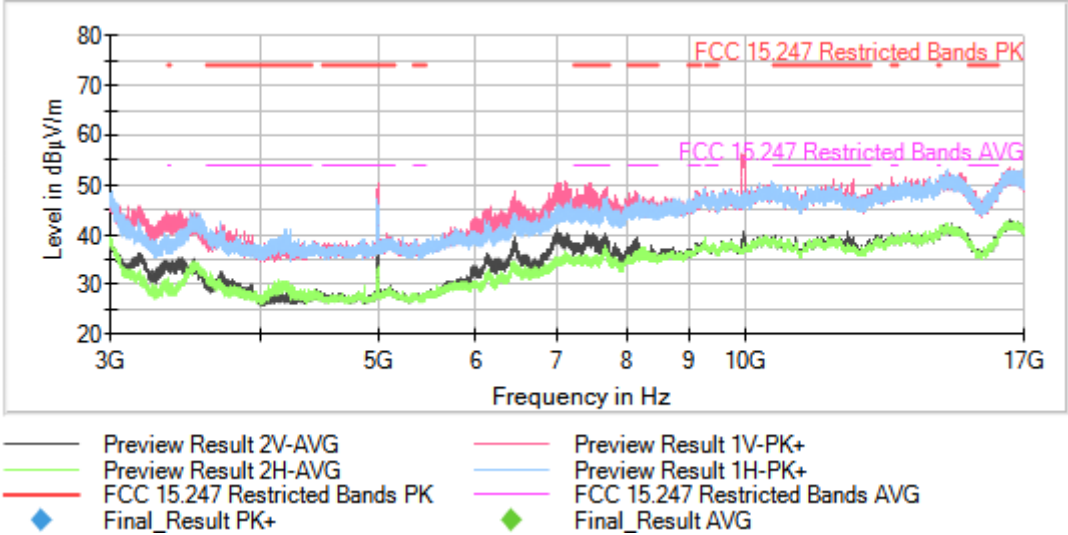
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

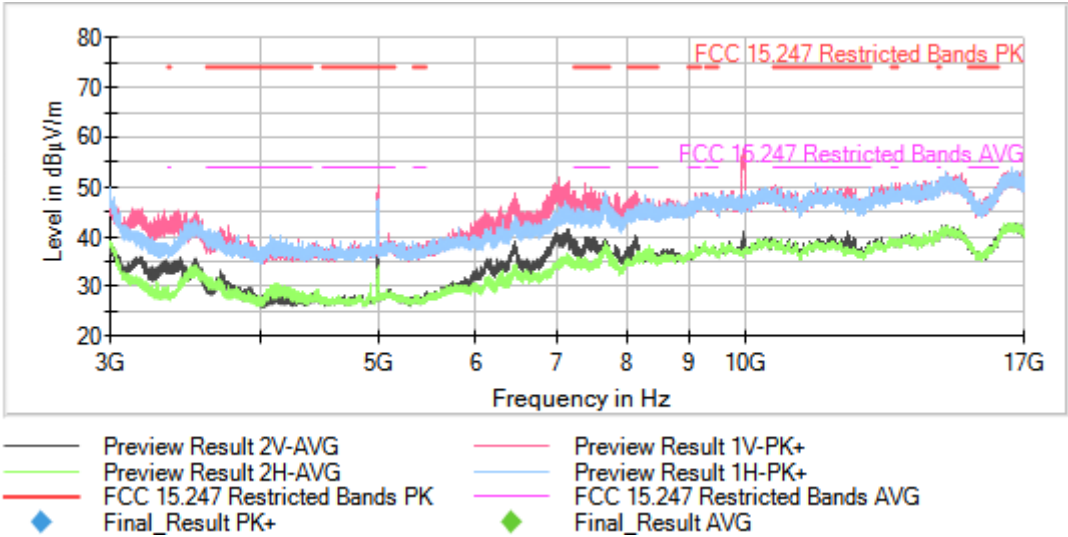
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

Active Port = 1

Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [17, 26]

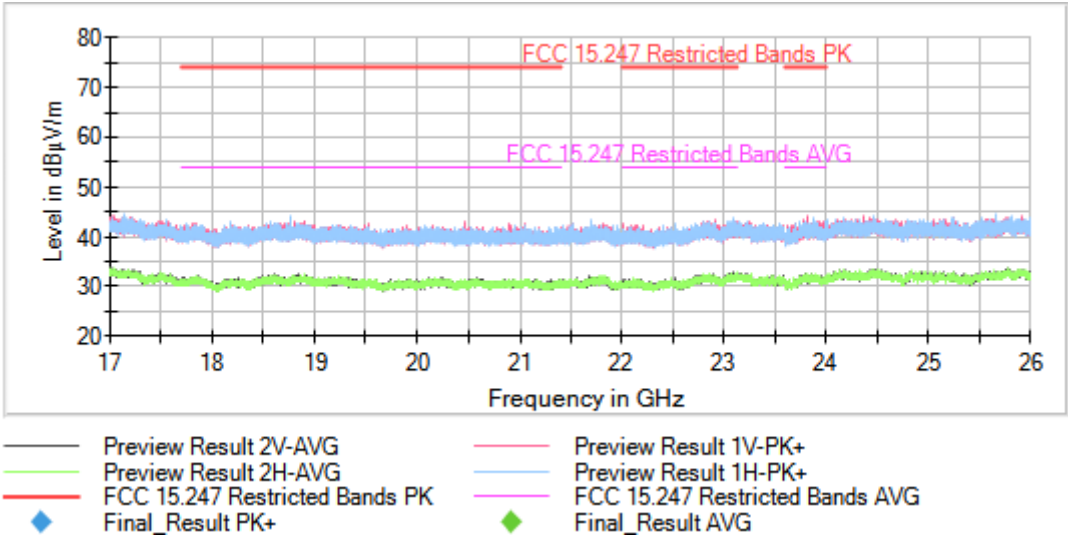
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission
System (DTS)

The spurious frequencies detected do not depend on the
transmission channel or the Modulation

Active Port = 1

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSV 40]					
	17 GHz - 26 GHz	300 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

802.11g (OFDM 6 Mbit/s) MIMO Mode:

Frequency Range GHz = [1, 3]

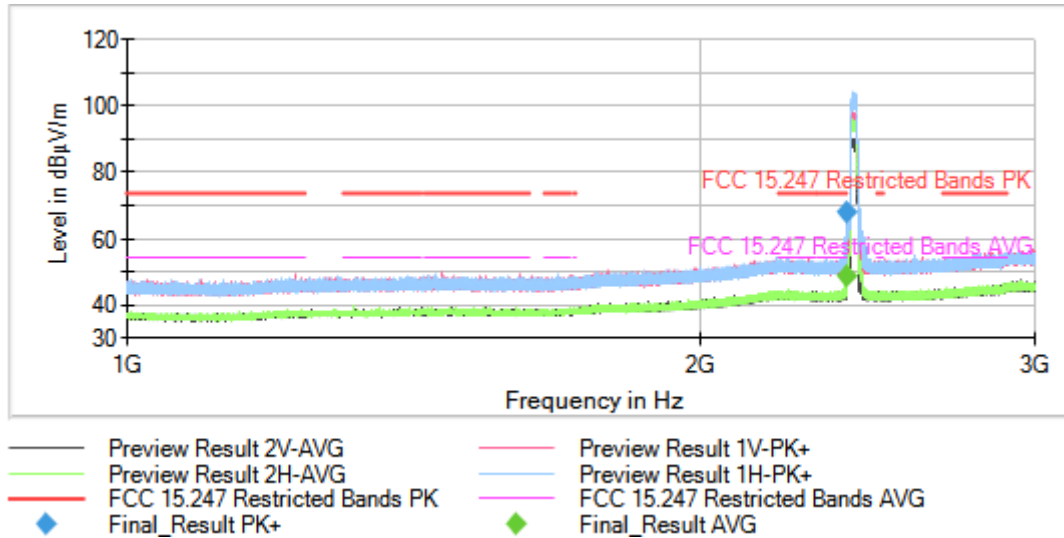
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2412.00000

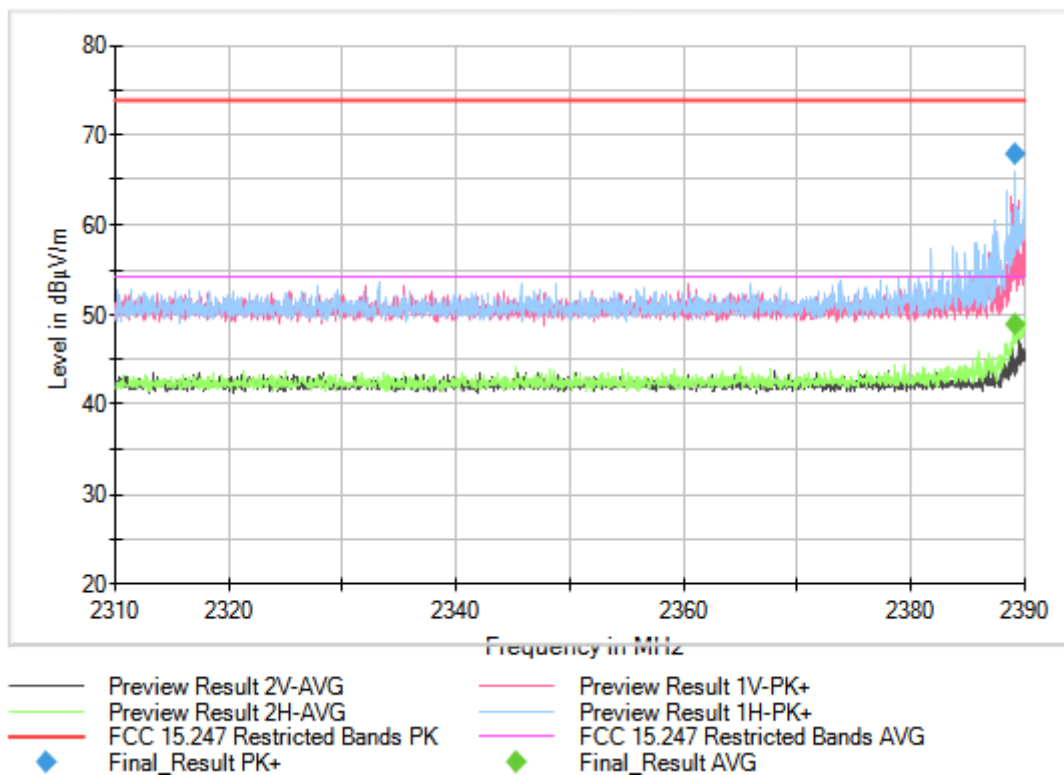
Active Port = 1+2

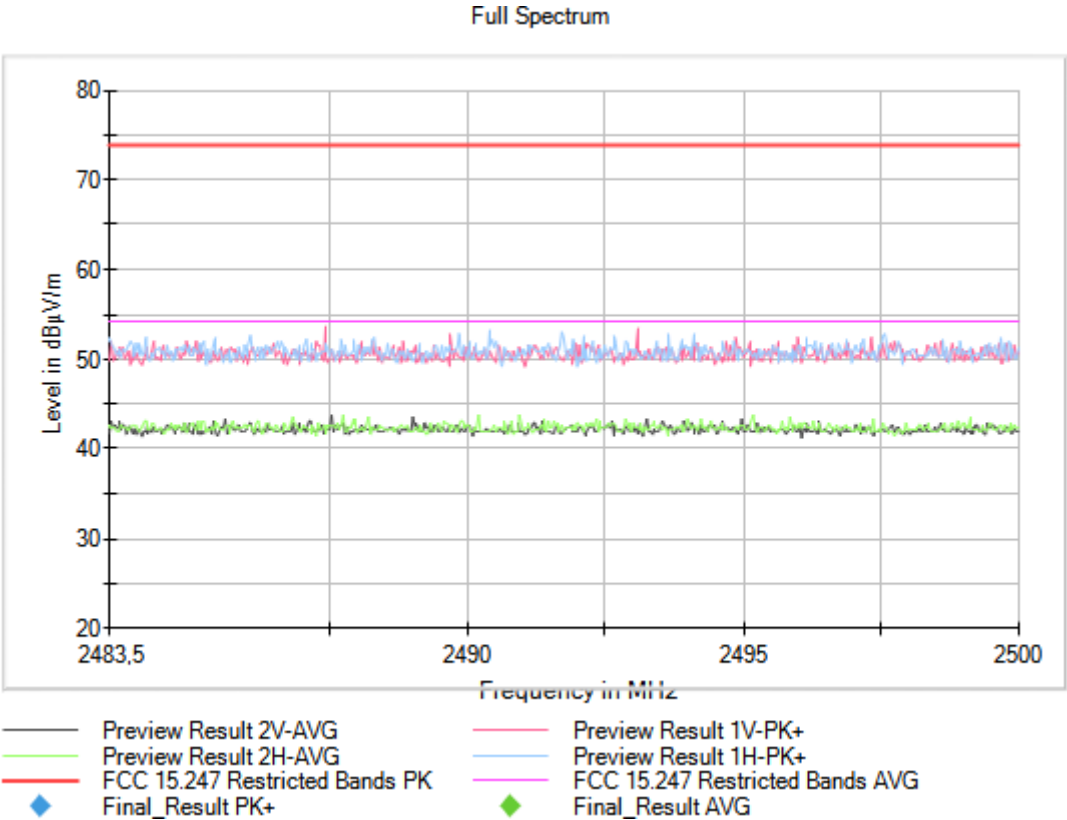
Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

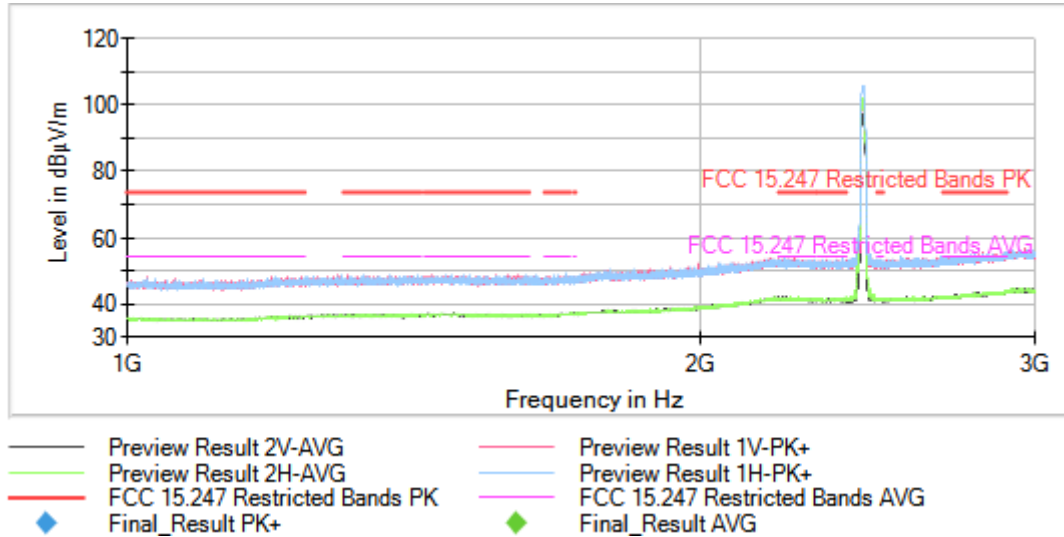
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

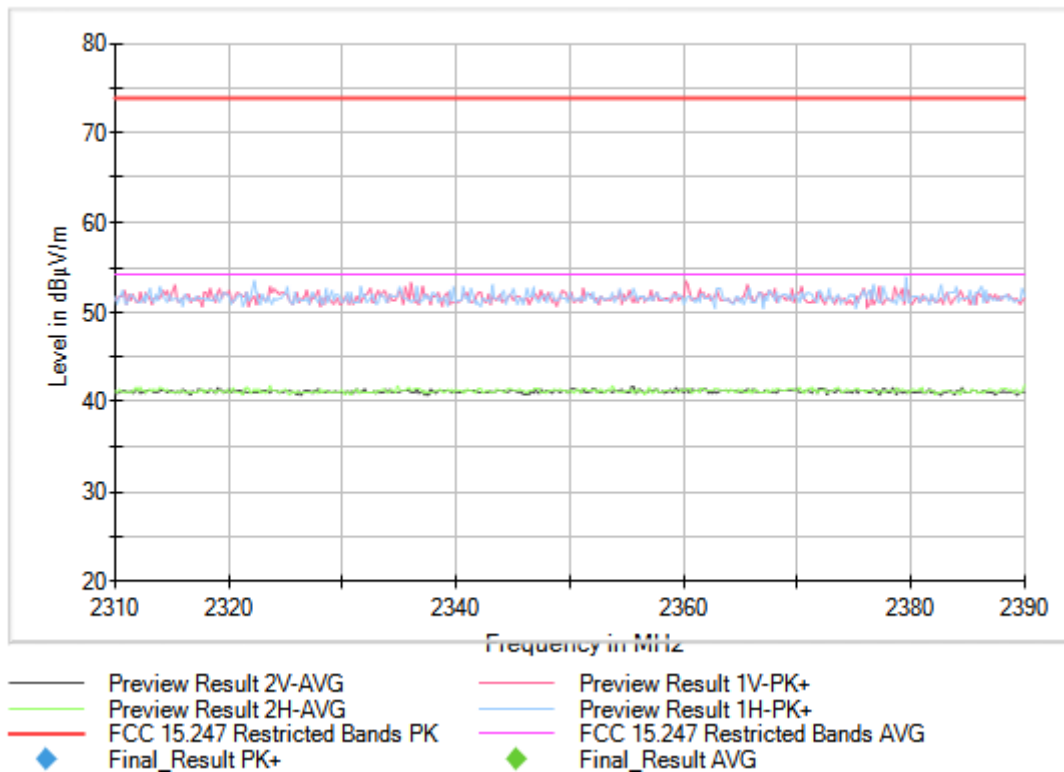
Active Port = 1+2

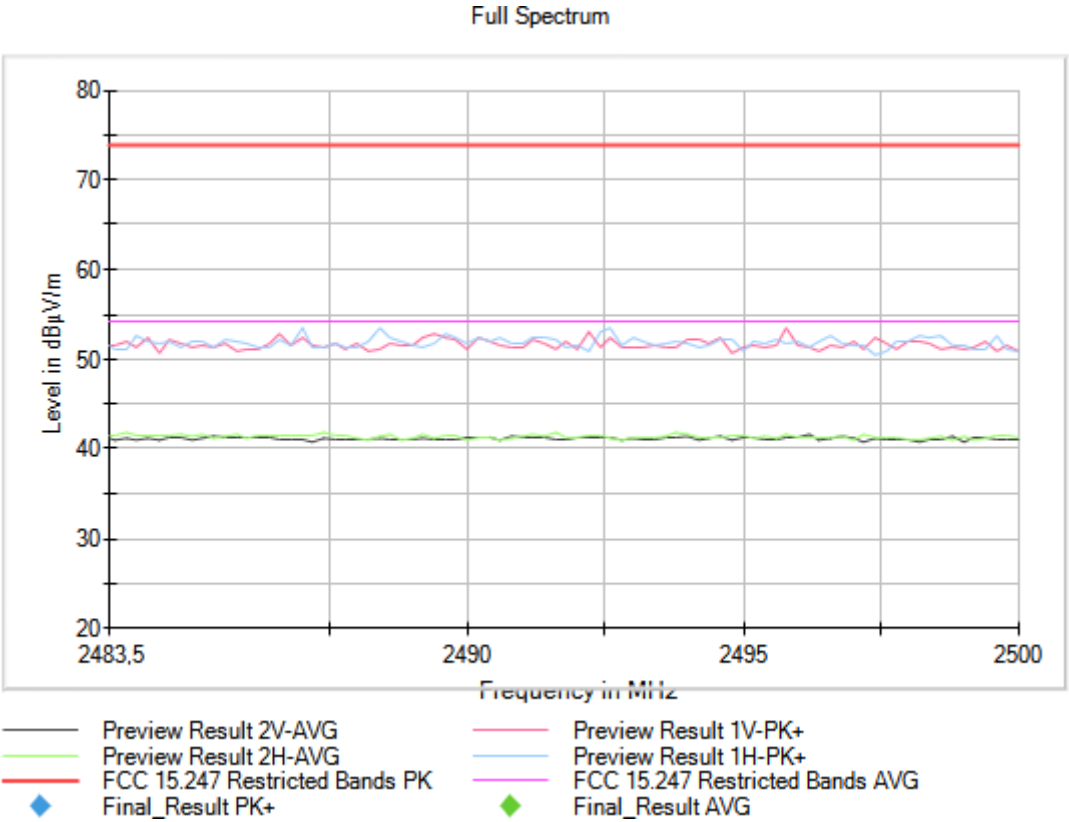
Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

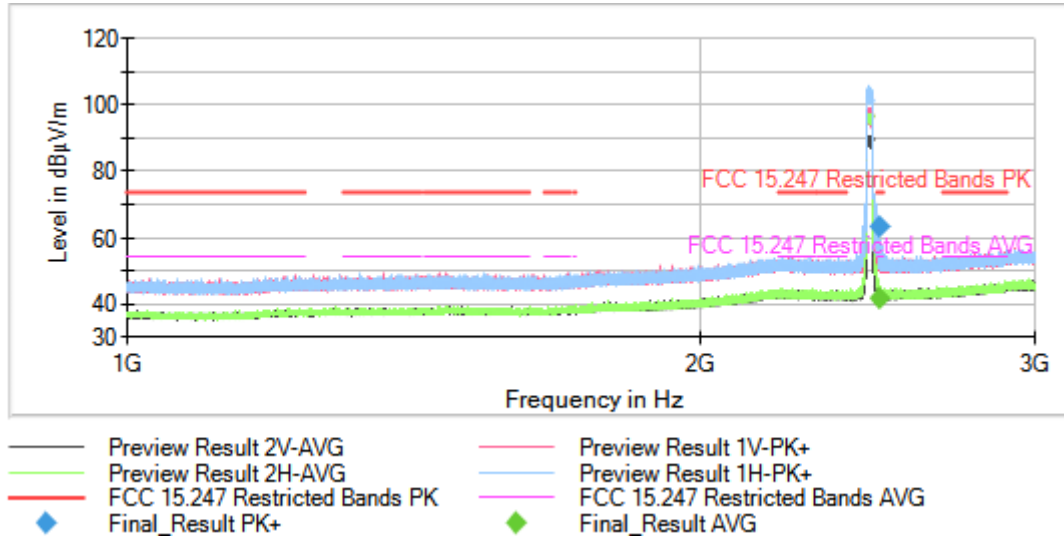
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2462.00000

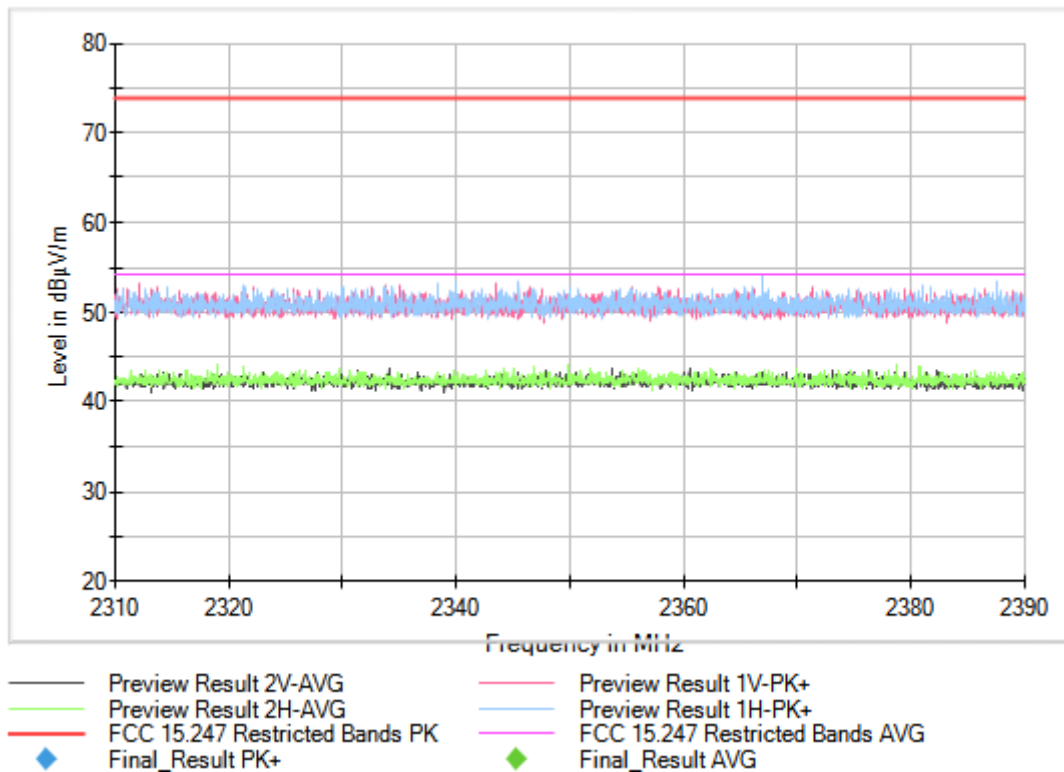
Active Port = 1+2

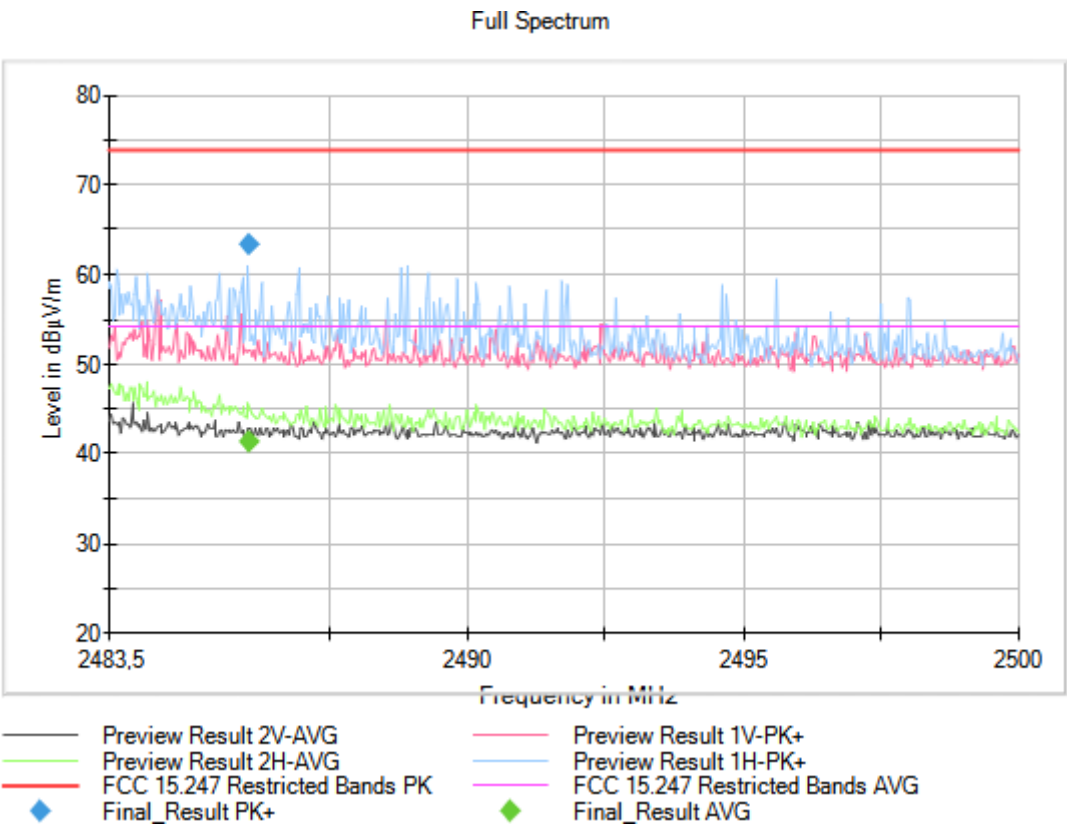
Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

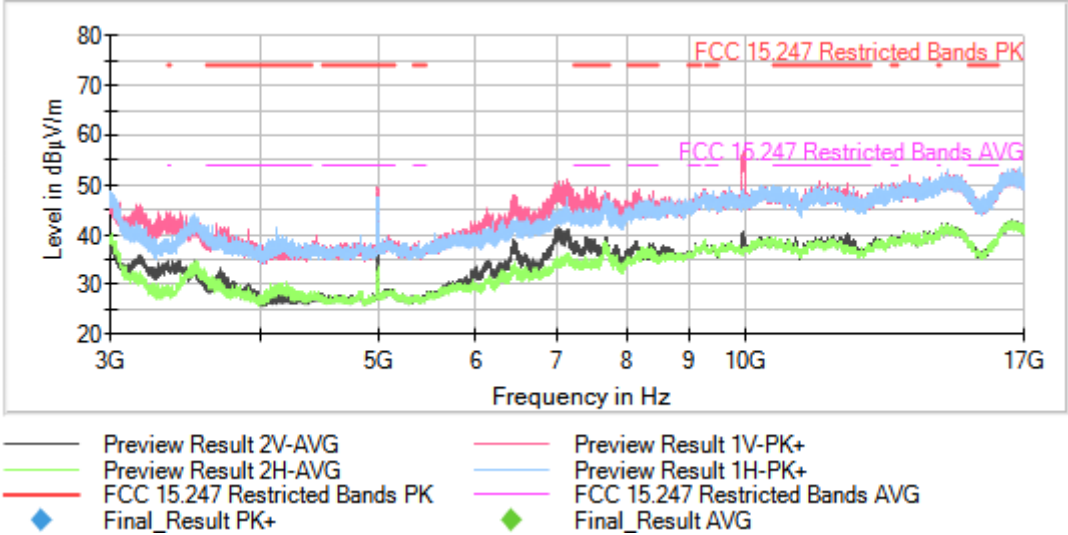
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

Active Port = 1+2

Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

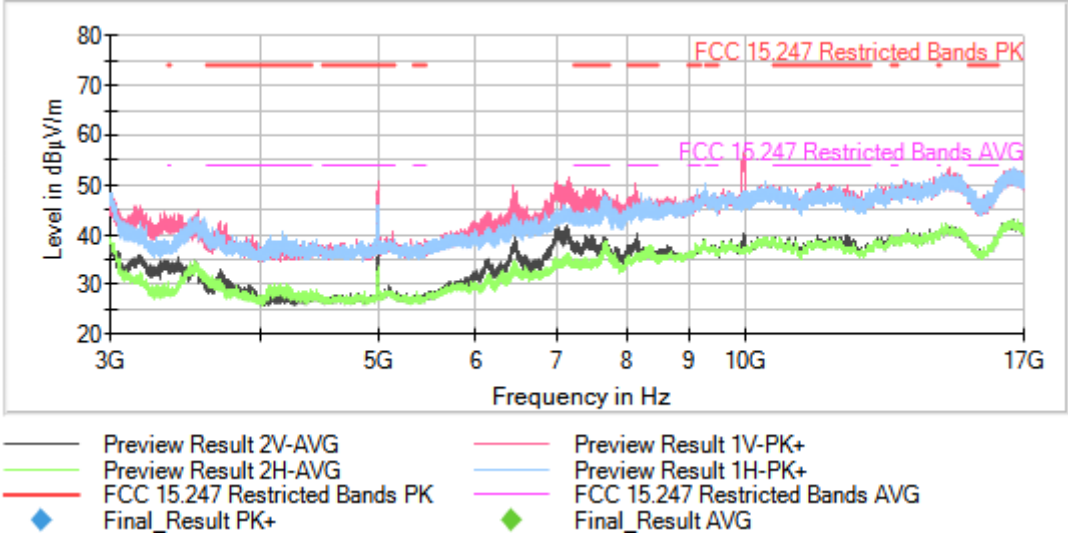
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

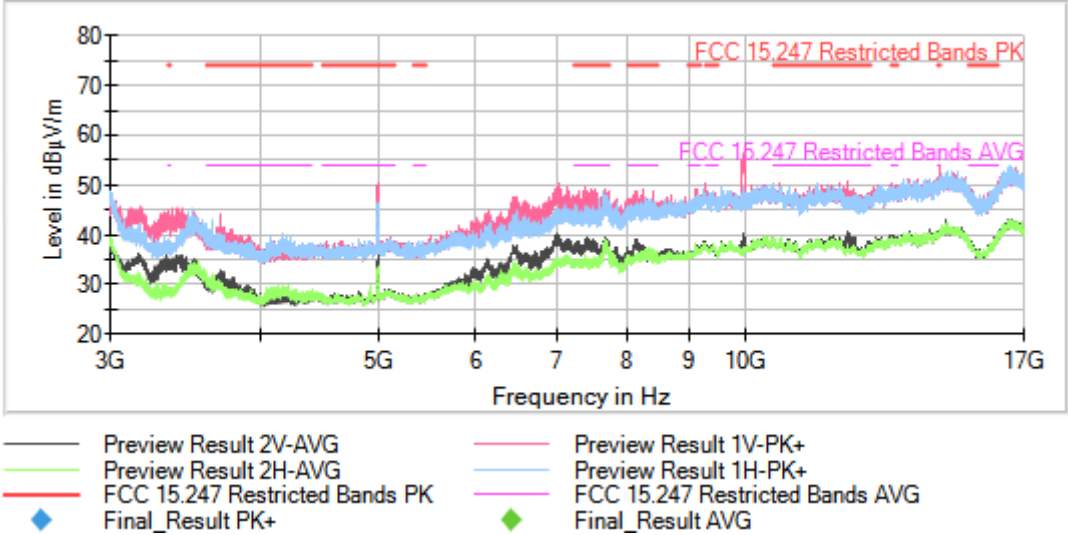
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

Active Port = 1+2

Modulation = 802.11g (OFDM 6 Mbit/s)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Modulation: 802.11n HT20 (OFDM MCS0)

Results

Freq Rng (GHz)	Operation Band (MHz)	Equipment	Freq (MHz)	Port	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	1	2388.154	46.21	H	AVG
					2388.154	46.98	H	AVG
				1+2	2388.800	71.56	H	PK
					2388.800	53.26	H	AVG
			2462.00000	1	2483.846	61.35	H	PK
					2483.846	41.85	H	AVG
				1+2	2484.000	71.31	H	PK
					2484.000	53.26	H	AVG

Verdict

Pass

Attachments

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

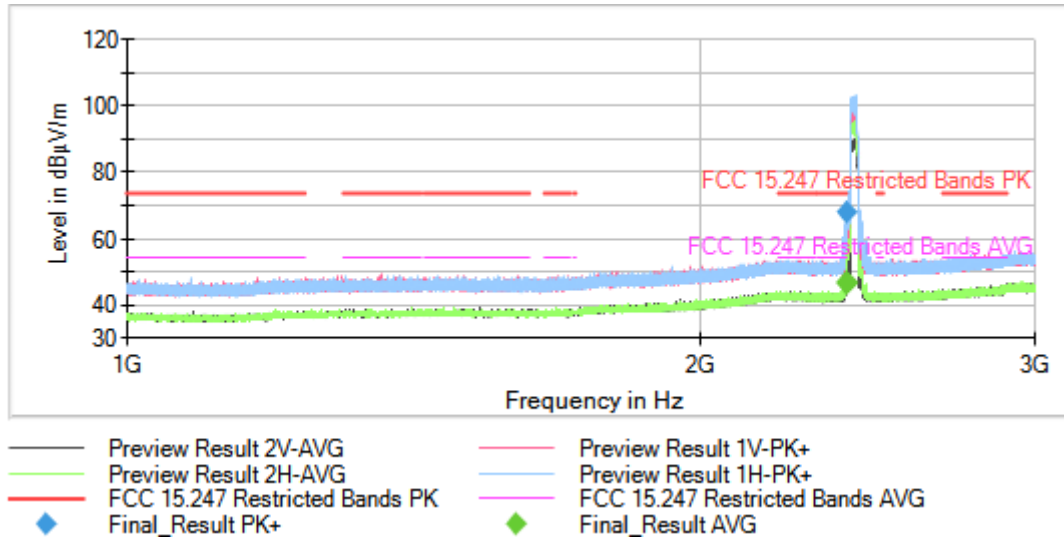
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

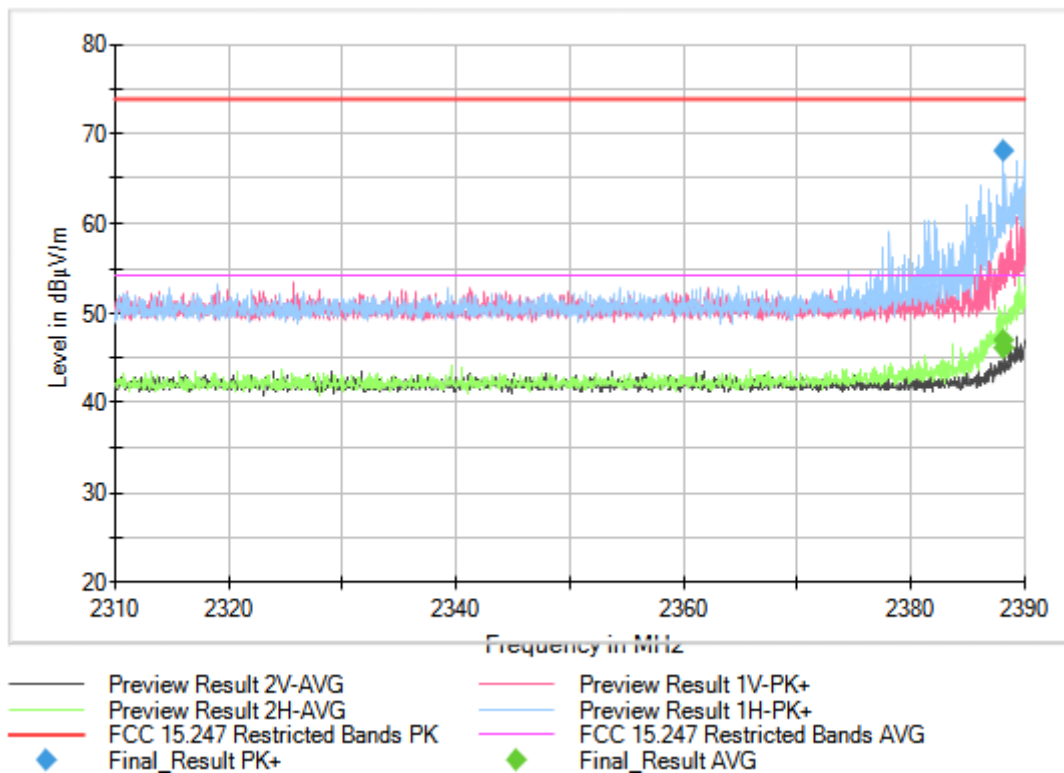
Active Port = 1

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Equipment Type = Digital Transmission System (DTS)

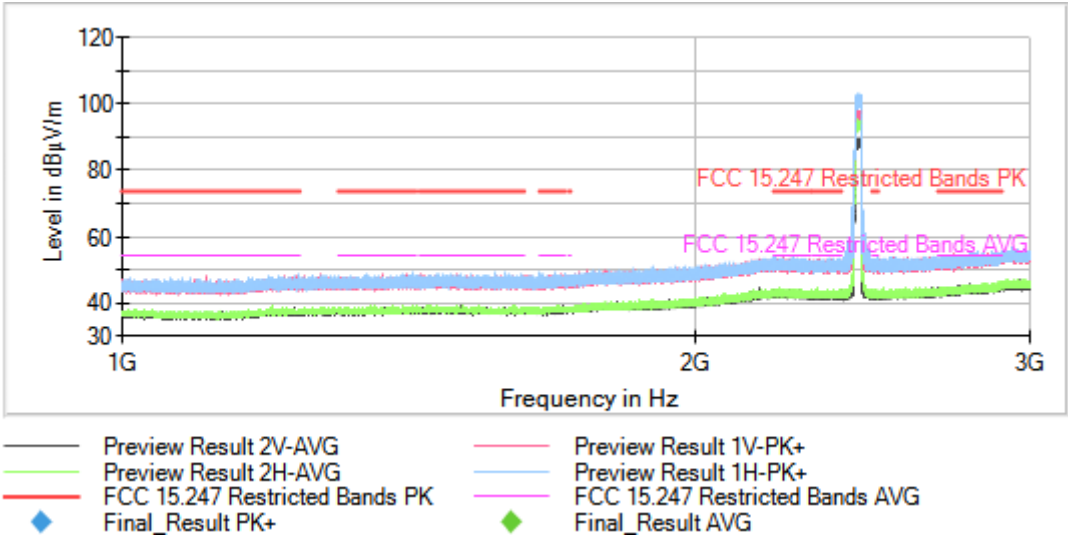
Active Port = 1

Operation Band MHz = [2400, 2483.5]

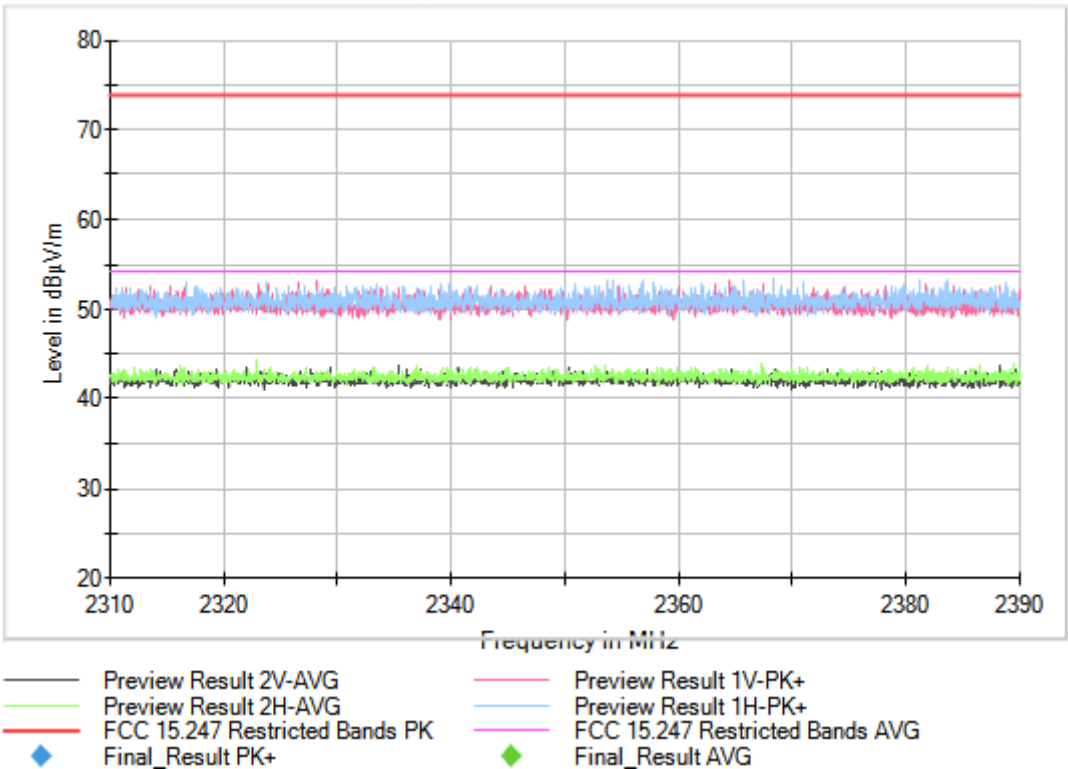
Frequency MHz = 2437.00000

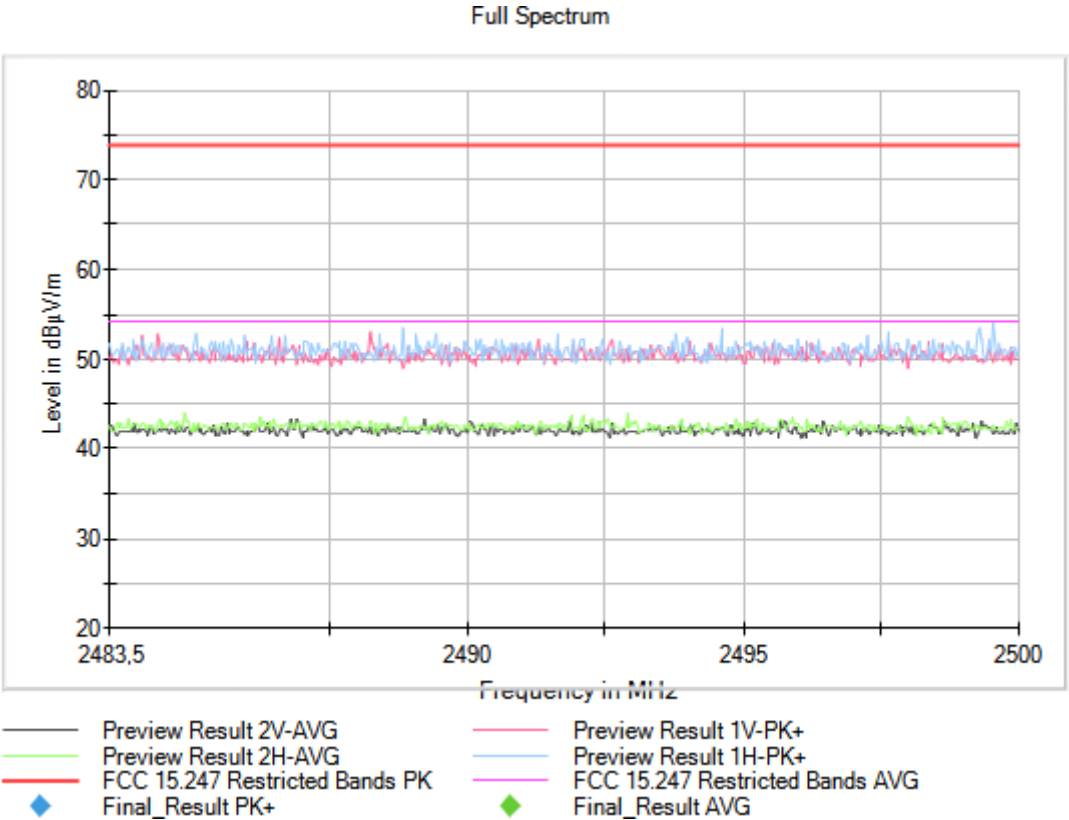
Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

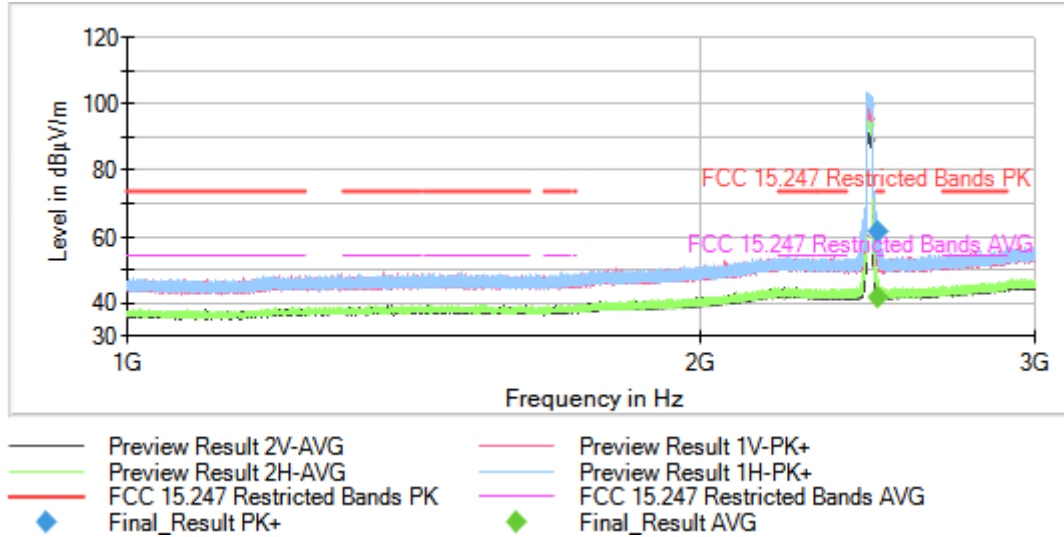
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2462.00000

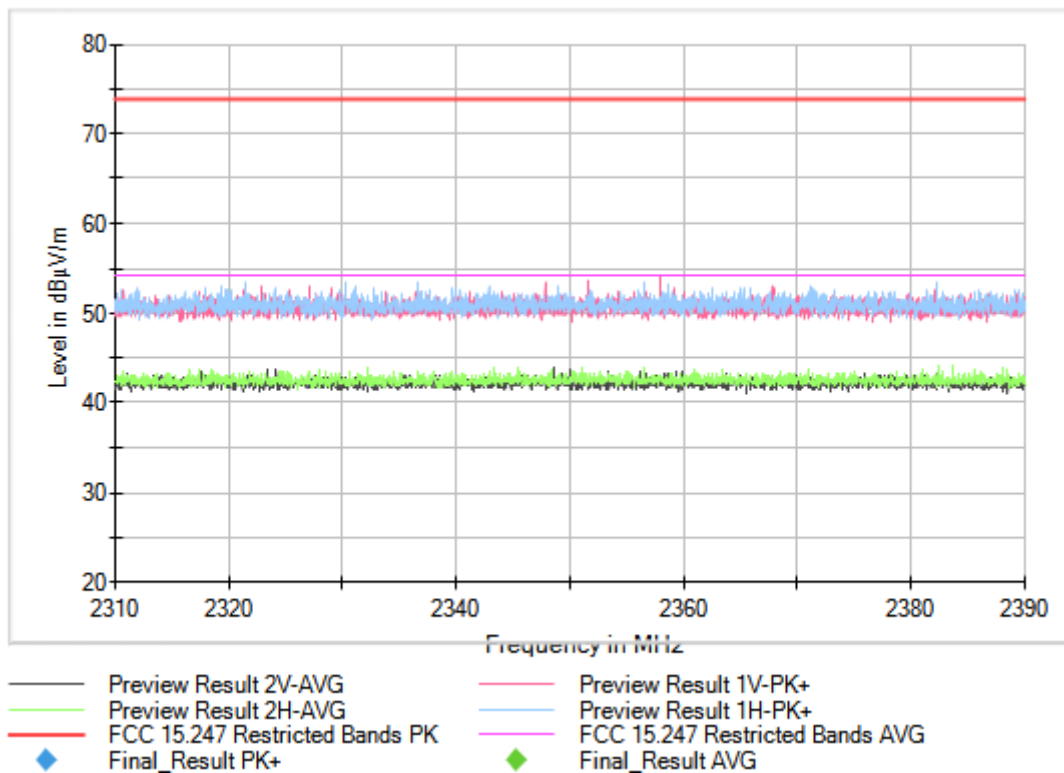
Active Port = 1

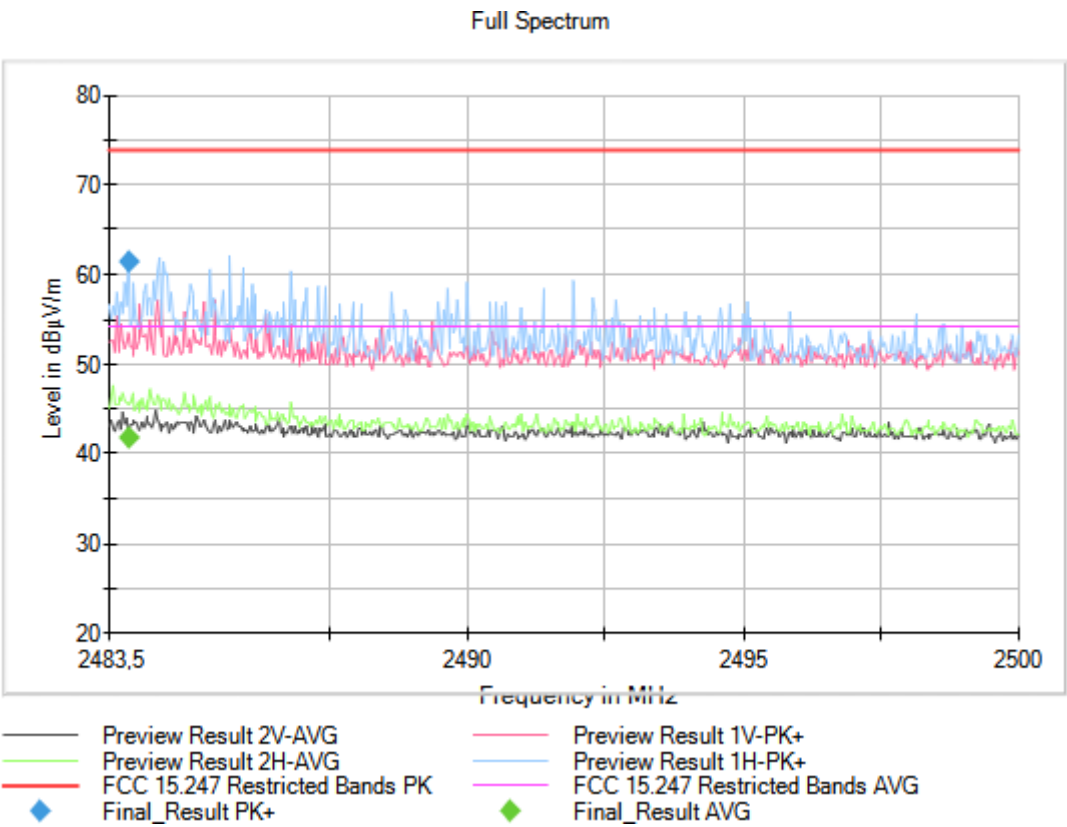
Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

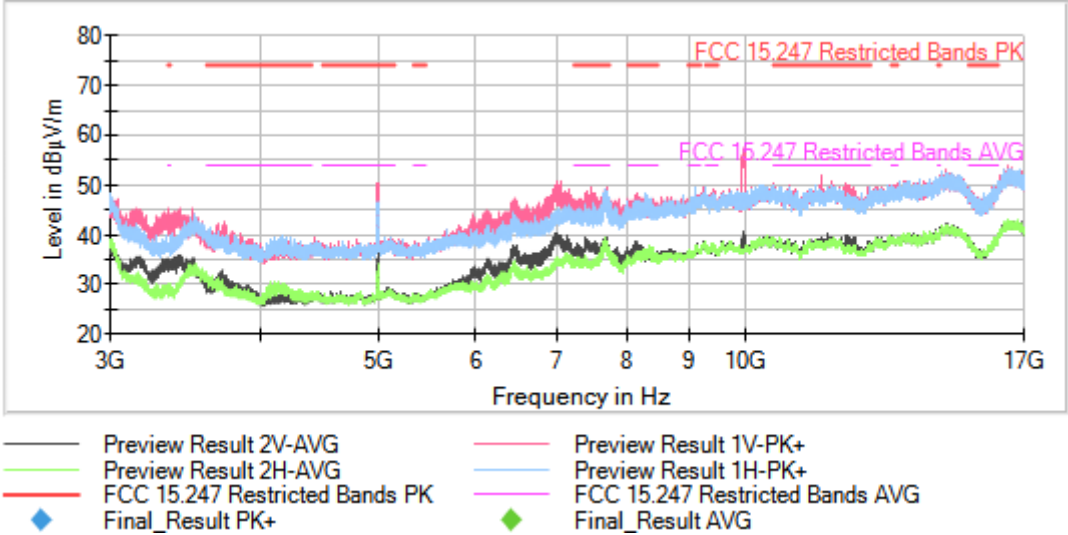
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

Active Port = 1

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Equipment Type = Digital Transmission System (DTS)

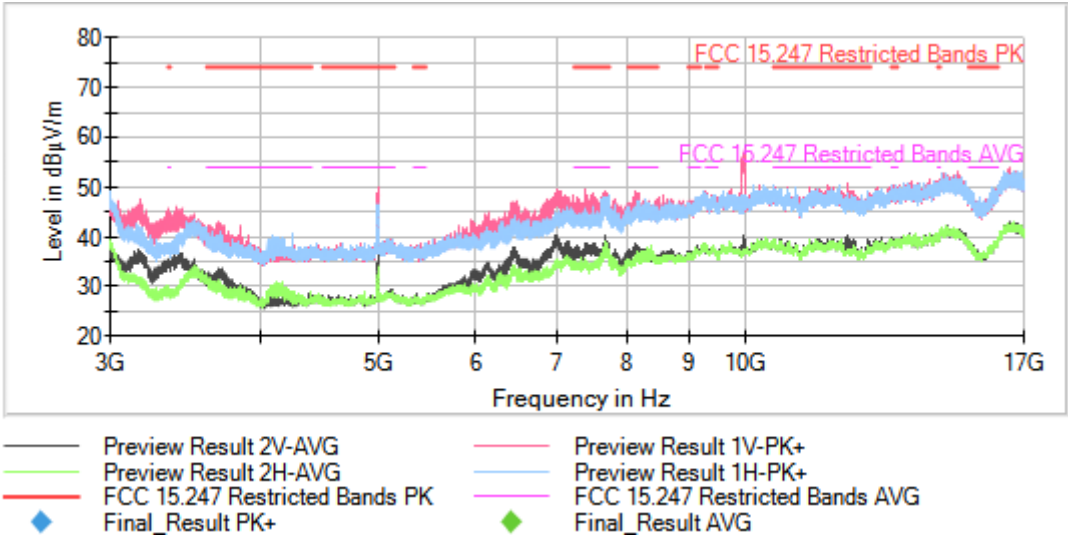
Active Port = 1

Operation Band MHz = [2400, 2483.5]

Frequency MHz = 2437.00000

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

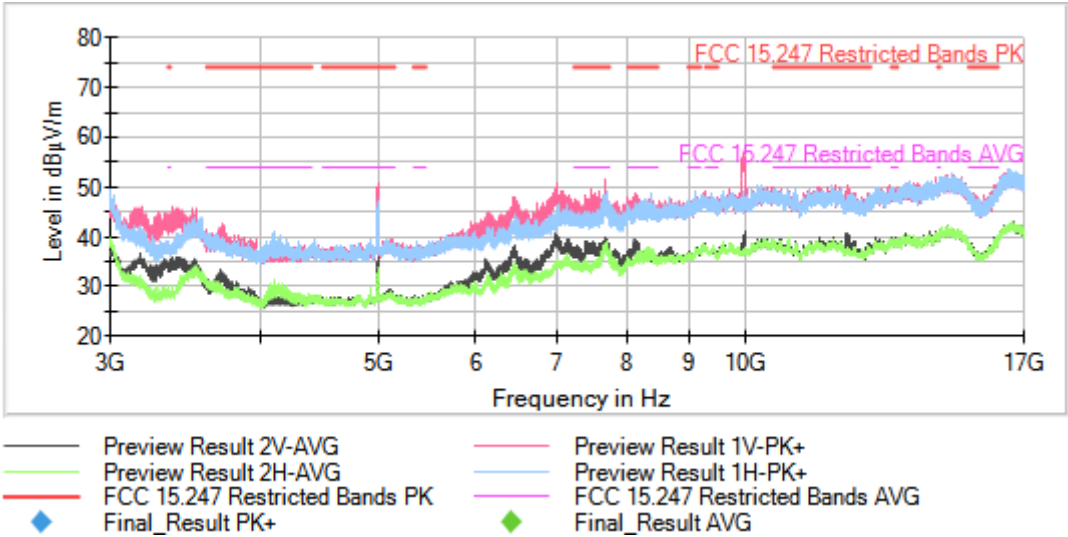
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2462.00000

Active Port = 1

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

802.11n HT20 (OFDM MCS0) MIMO Mode:

Frequency Range GHz = [1, 3]

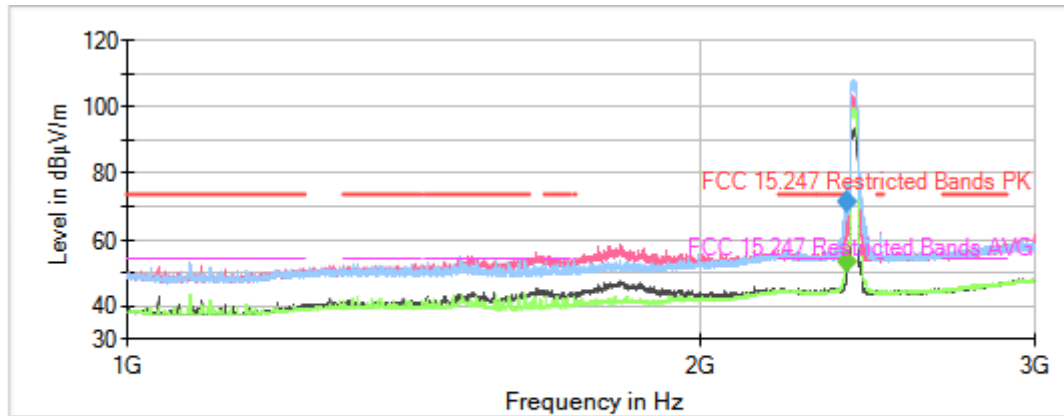
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2412.00000

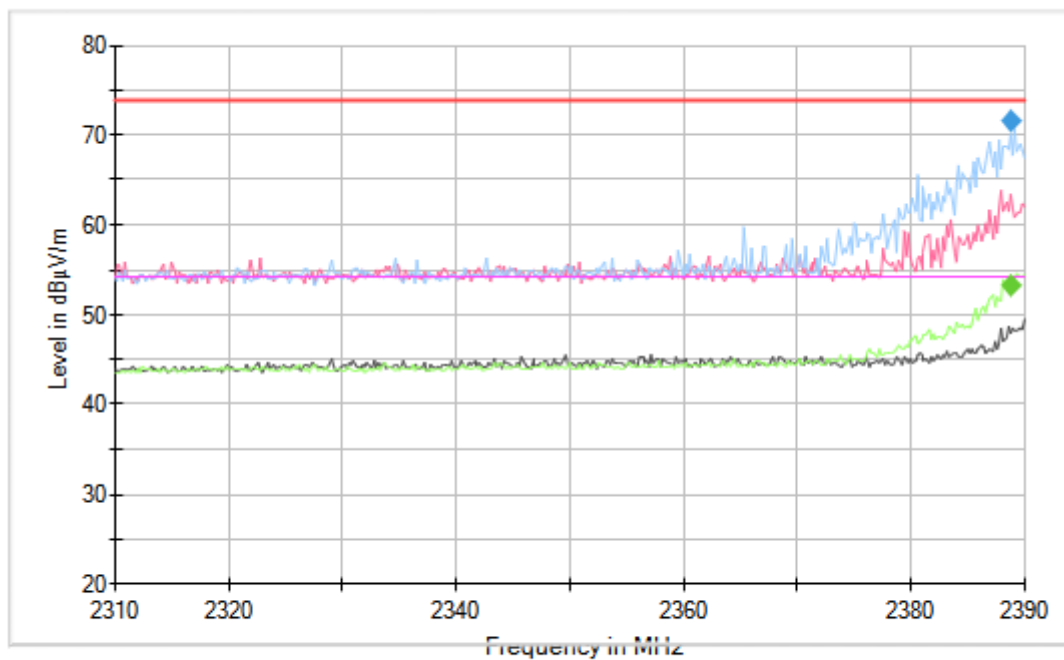
Active Port = 1+2

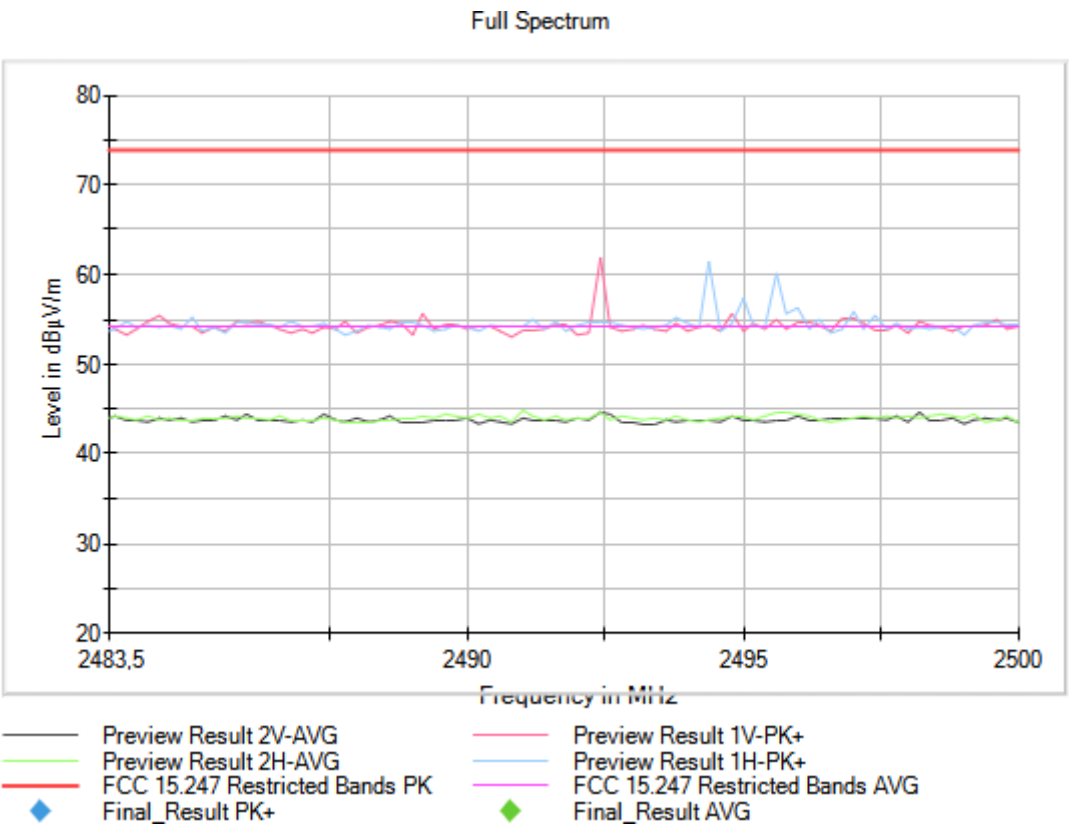
Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [1, 3]

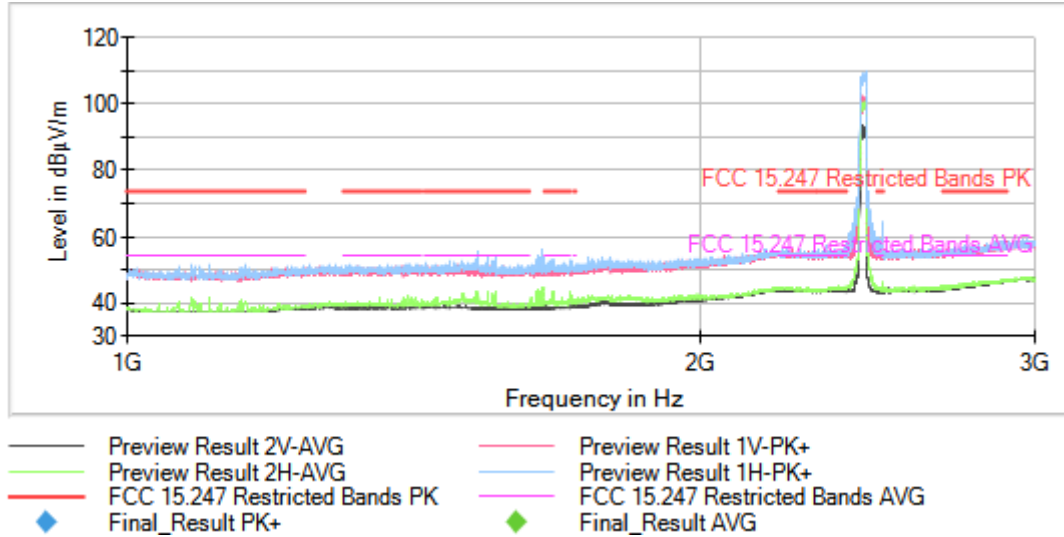
Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

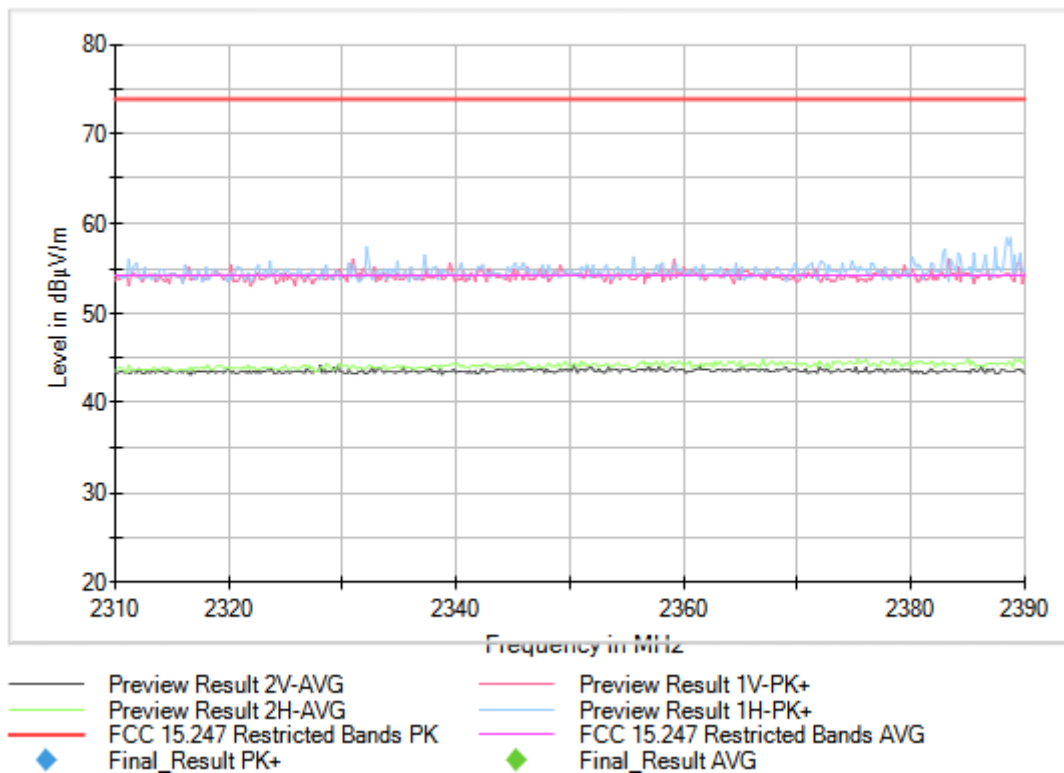
Active Port = 1+2

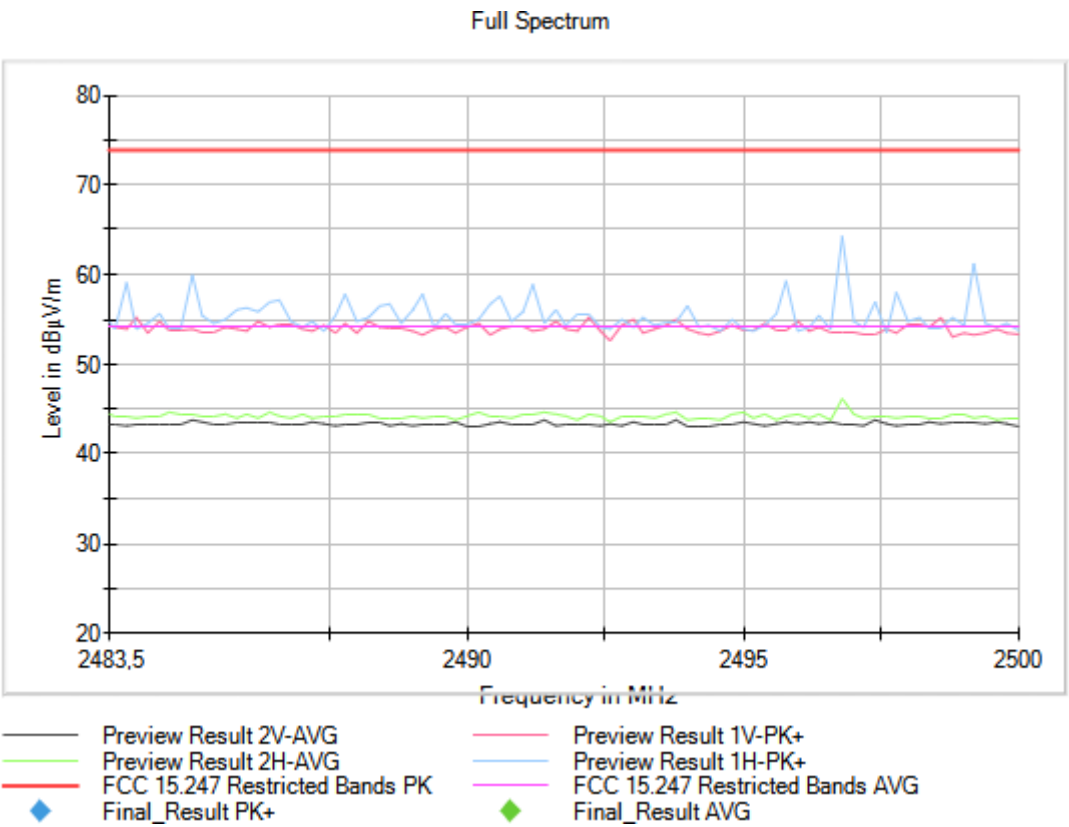
Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [1, 3]

Equipment Type = Digital Transmission System (DTS)

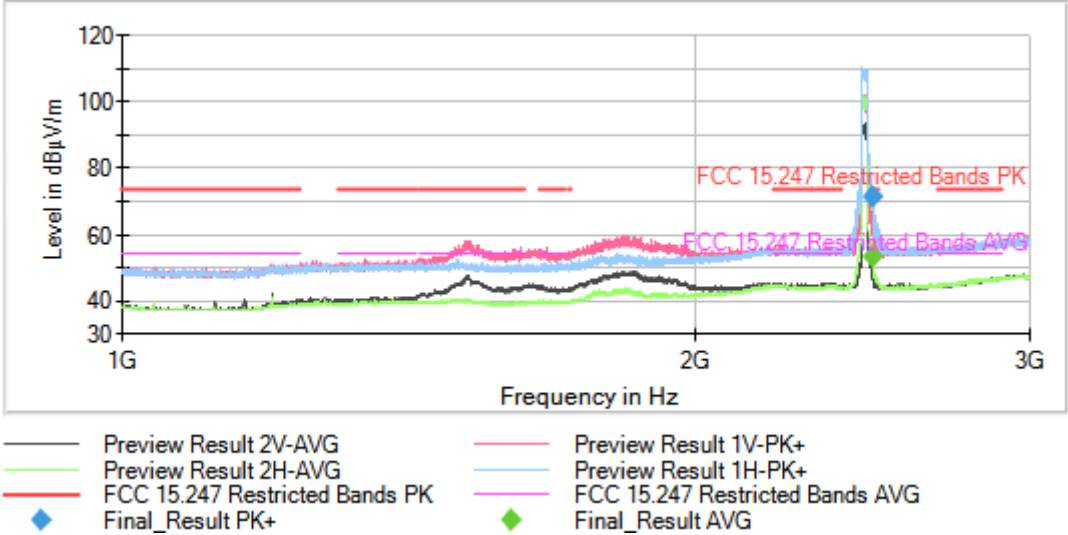
Active Port = 2

Operation Band MHz = [2400, 2483.5]

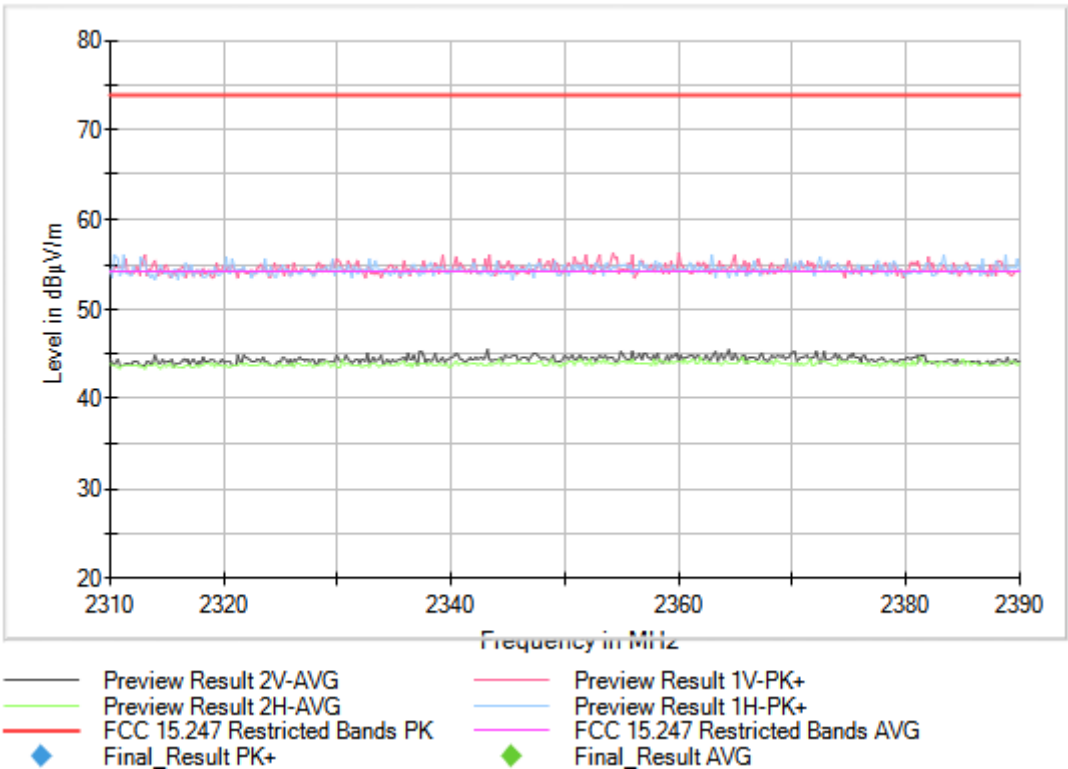
Frequency MHz = 2462.00000

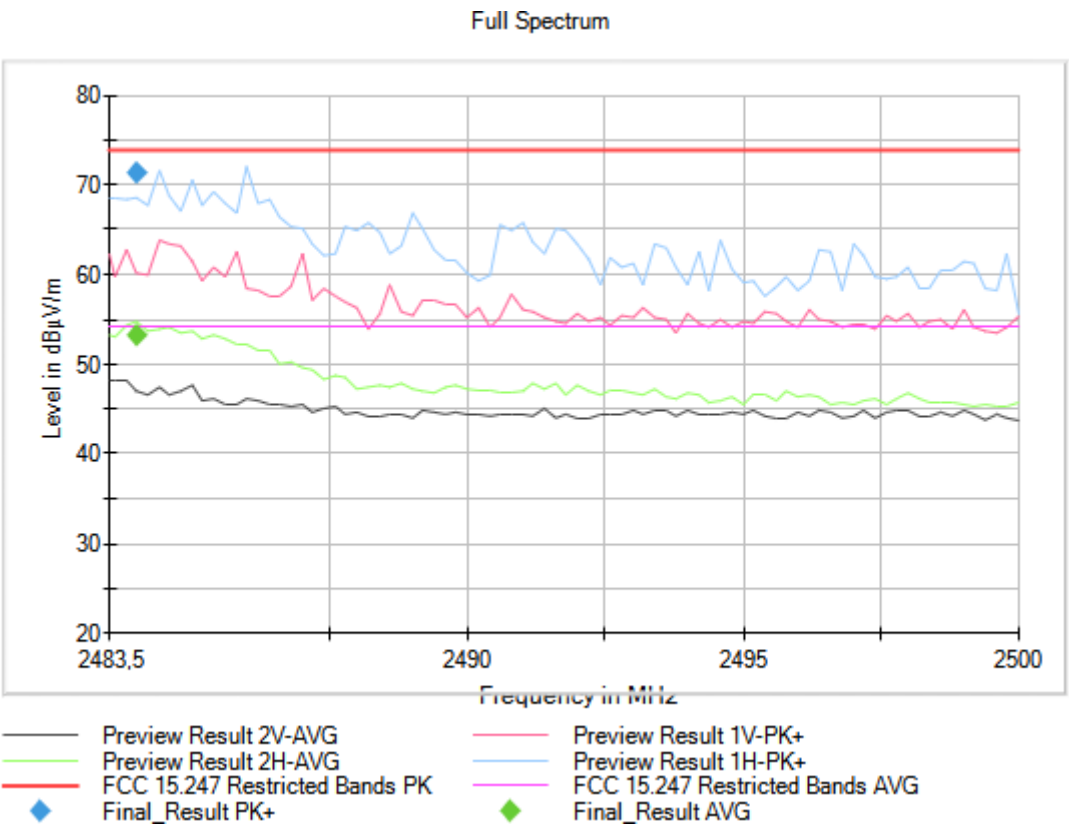
Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

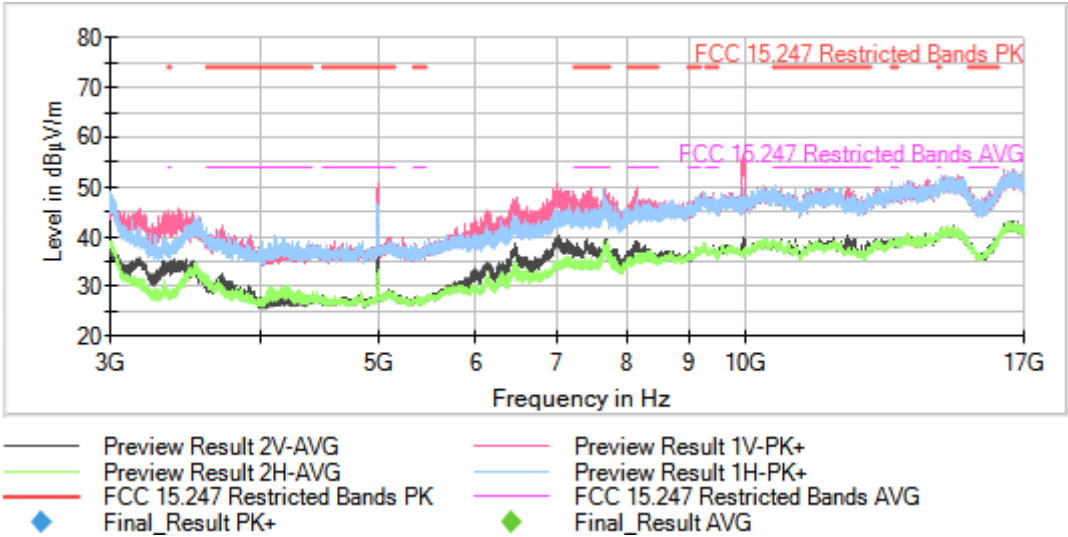
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2412.00000

Active Port = 1+2

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

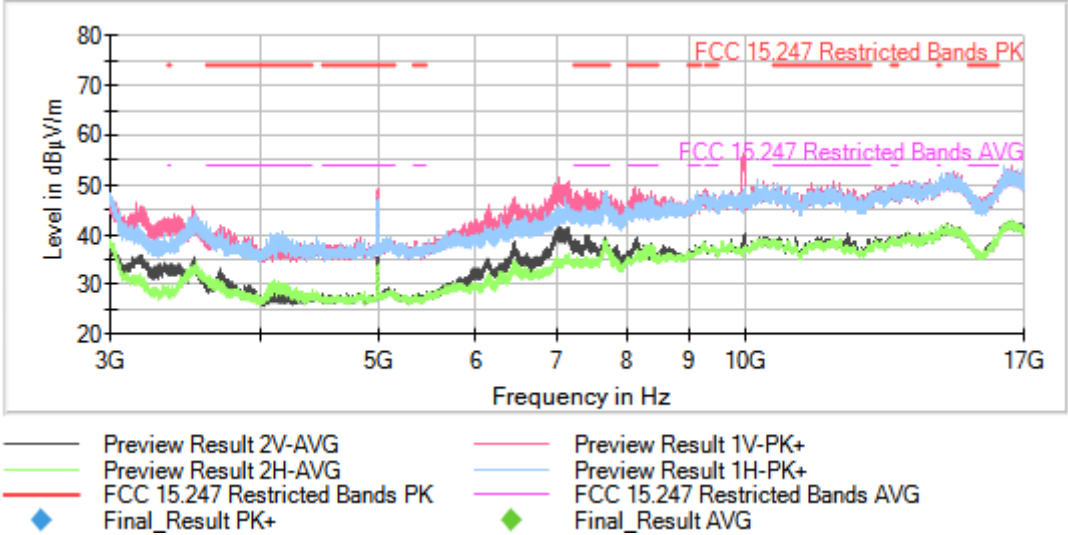
Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Equipment Type = Digital Transmission System (DTS)

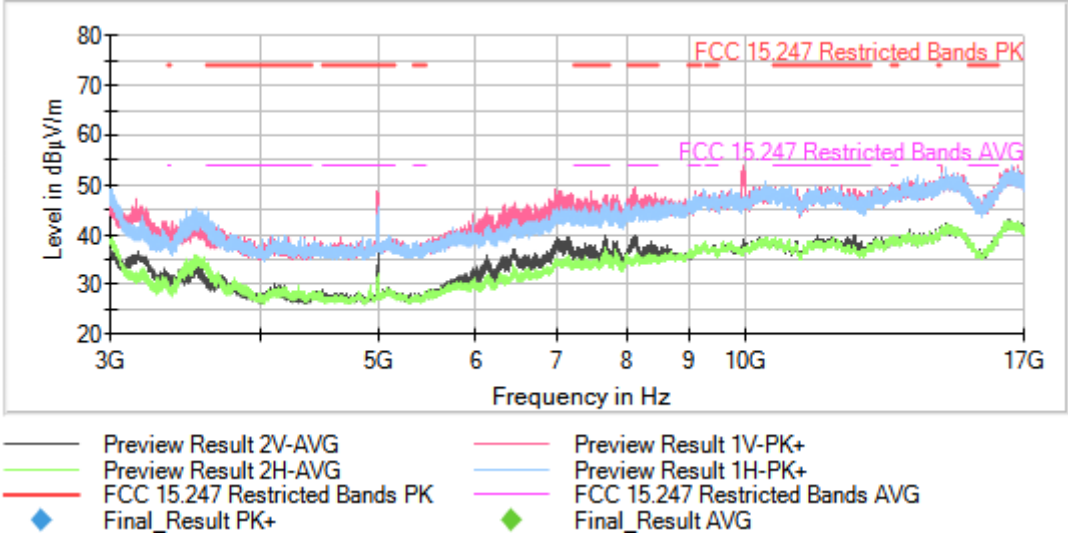
Active Port = 1+2

Operation Band MHz = [2400, 2483.5]

Frequency MHz = 2462.00000

Modulation = 802.11n HT20 (OFDM MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Modulation: 802.11ax HE20 (OFDMA MCS0)

Results

Freq Rng (GHz)	Operation Band (MHz)	Equipment	Freq (MHz)	Port	Subcarrier Mode	Unwanted Freq (MHz)	Unwanted Lvl (dBμV/m)	Pol	Detector
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	1	SU	2388.338	61.48	H	PK
						2388.338	44.20	H	AVG
					RU	2386.462	65.64	H	PK
						2386.462	44.48	H	AVG
			2437.00000		SU	2497.292	65.45	H	PK
						2497.292	44.64	H	AVG
						2490.892	69.32	V	PK
						2490.892	47.47	V	AVG
			2462.00000		RU	2495.077	72.01	V	PK
						2495.077	48.17	V	AVG
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2412.00000	1+2	SU	2387.200	63.31	H	PK
						2387.200	40.85	H	AVG
					RU	2386.200	60.21	H	PK
						2386.200	42.12	H	AVG
						2497.400	69.95	H	PK
						2497.400	45.25	H	AVG
			2387.800			63.55	H	PK	
			2387.800			43.23	H	AVG	
			2422.00000		SU	2487.200	64.38	H	PK
						2487.200	42.52	H	AVG
			2462.00000		RU	2487.400	61.41	H	PK
						2487.400	41.76	H	AVG

Verdict

Pass

Attachments

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

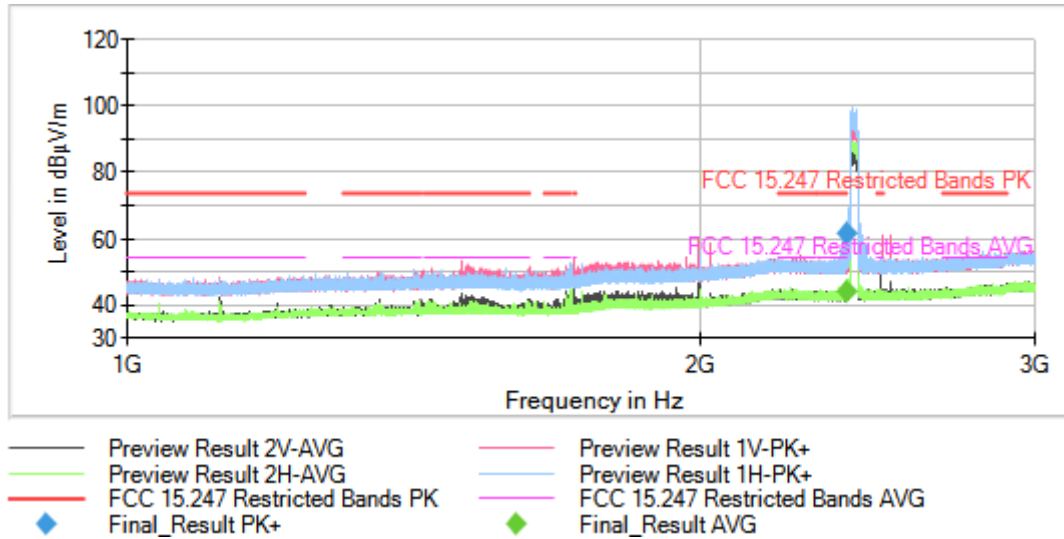
Frequency MHz = 2412.00000

Active Port = 1

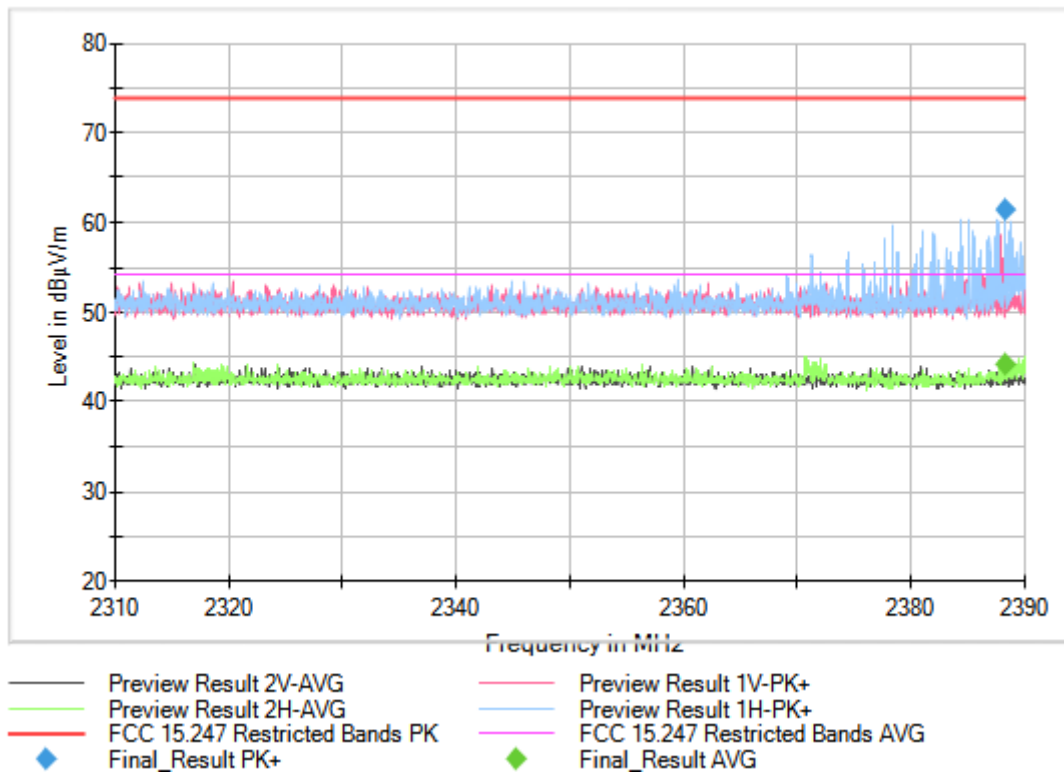
Modulation = 802.11ax HE20 (OFDMA MCS0)

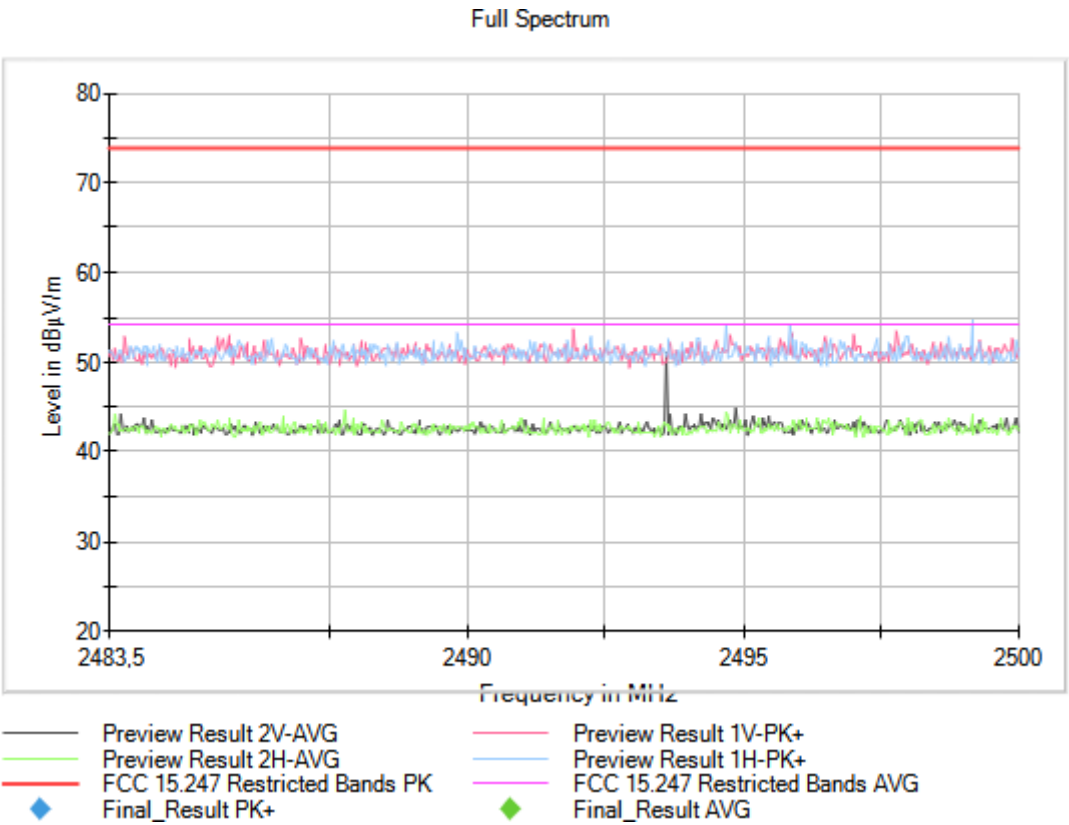
Subcarrier Mode = SU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

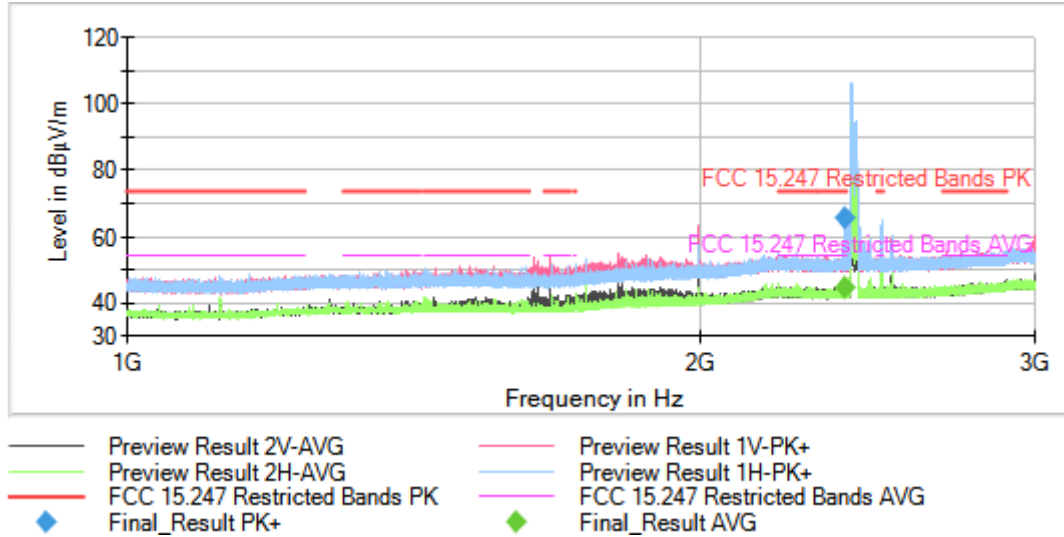
Frequency MHz = 2412.00000

Active Port = 1

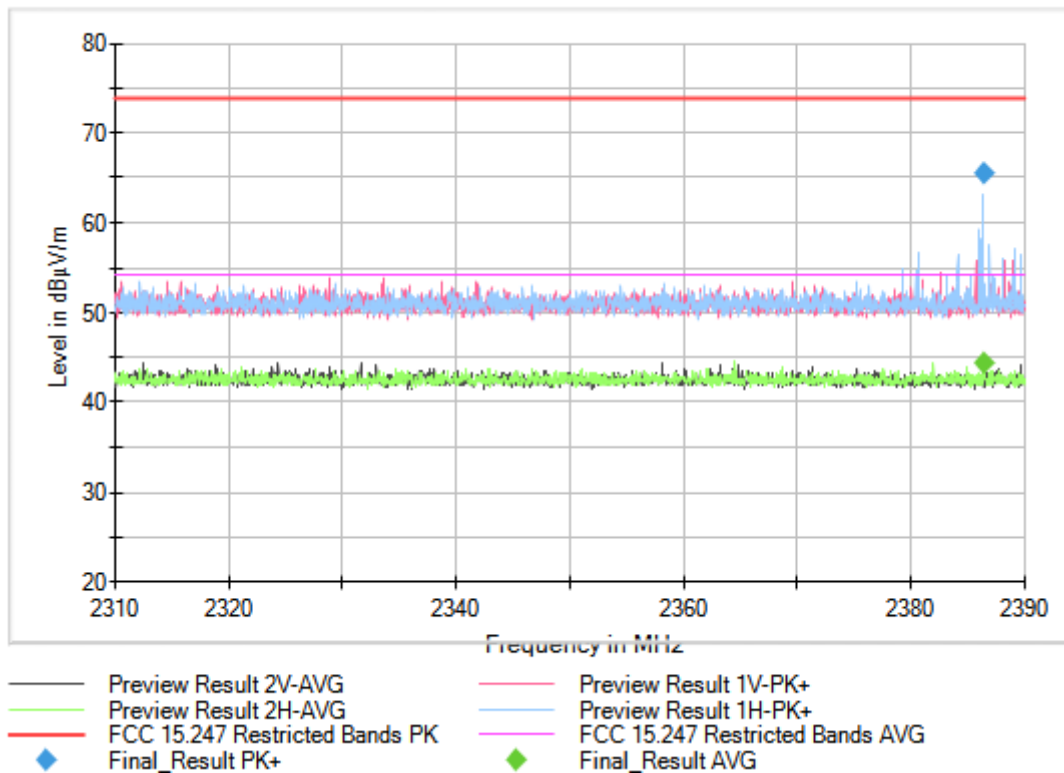
Modulation = 802.11ax HE20 (OFDMA MCS0)

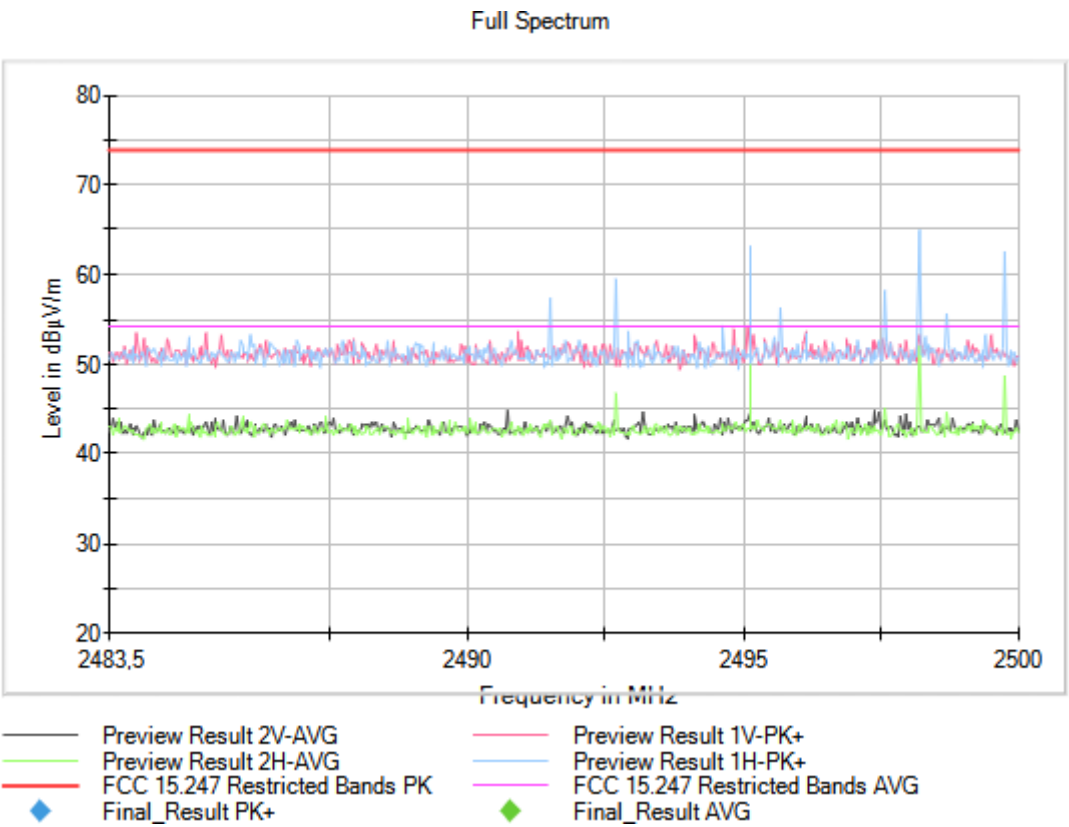
Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

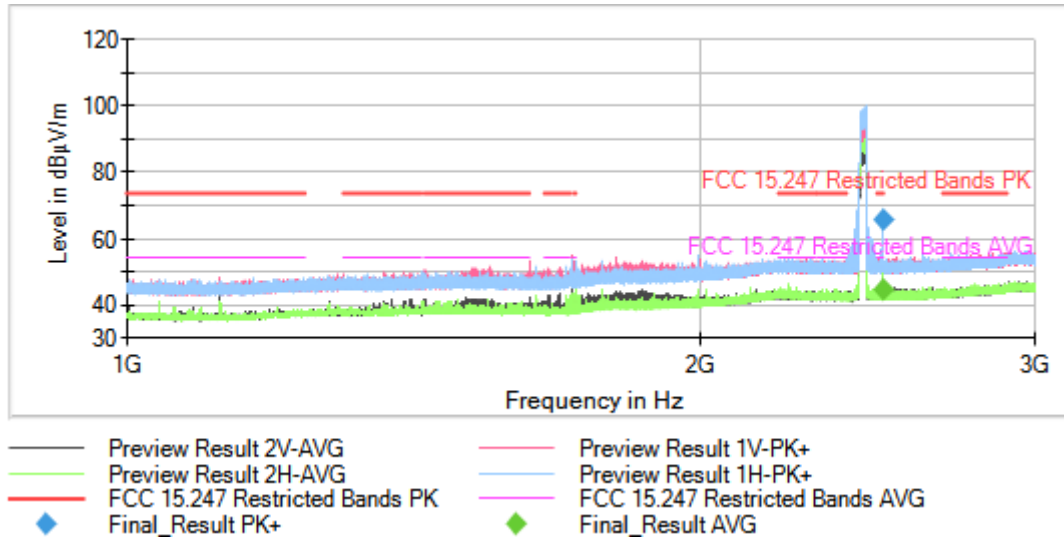
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

Active Port = 1

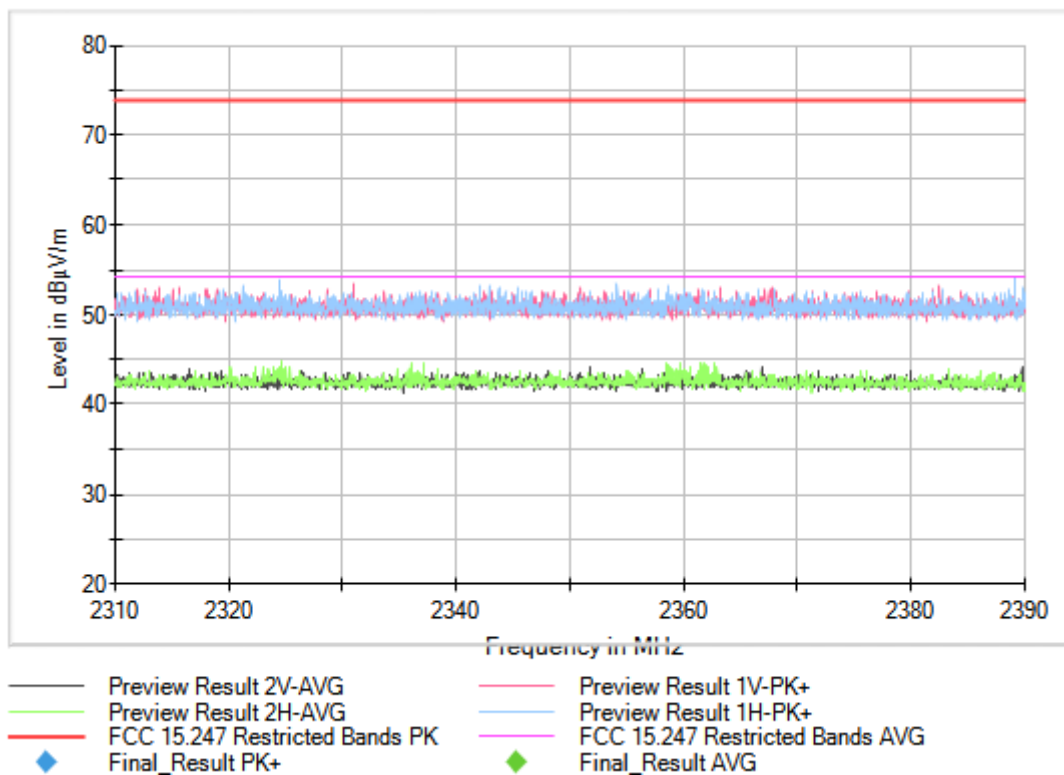
Modulation = 802.11ax HE20 (OFDMA MCS0)

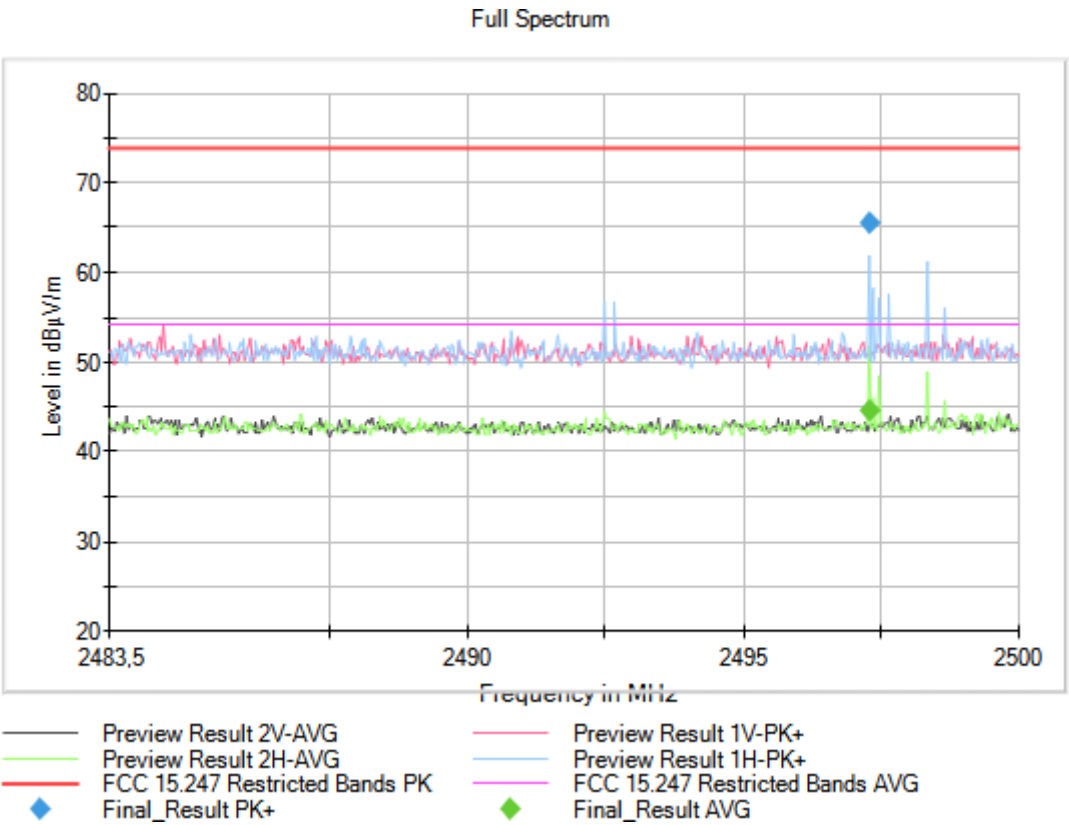
Subcarrier Mode = SU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

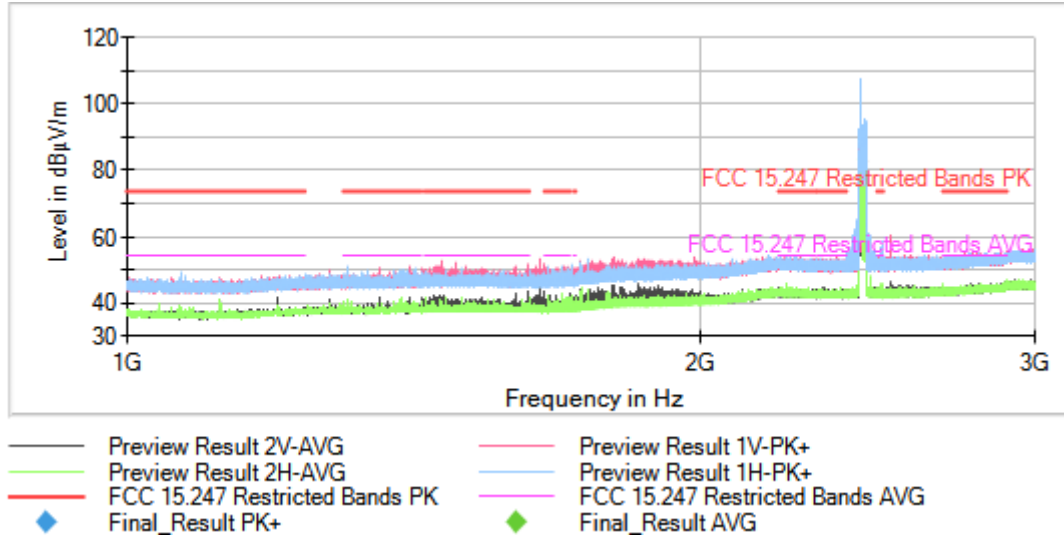
Frequency MHz = 2437.00000

Active Port = 1

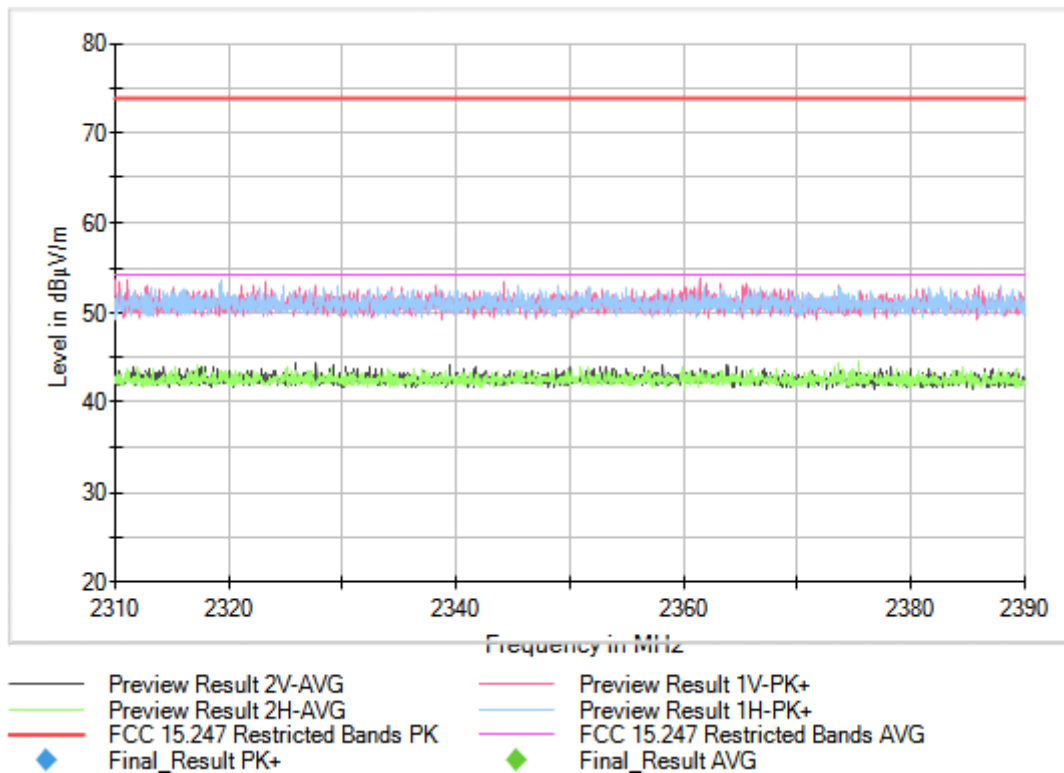
Modulation = 802.11ax HE20 (OFDMA MCS0)

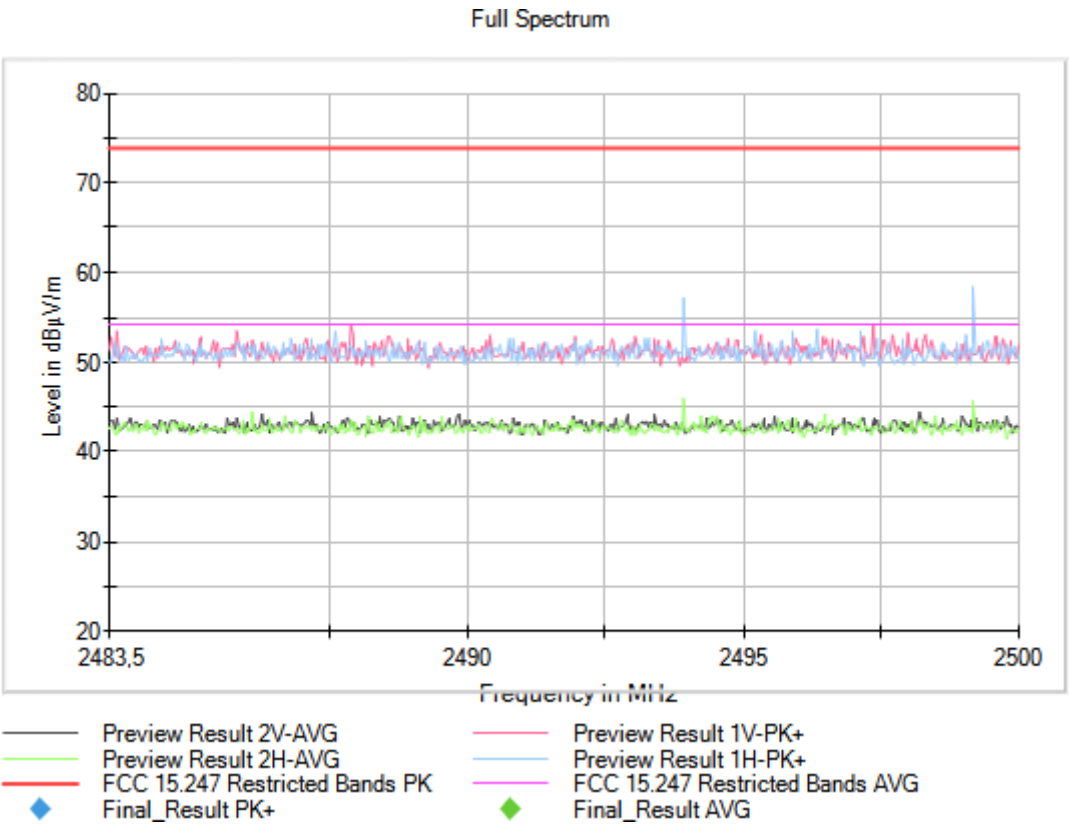
Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

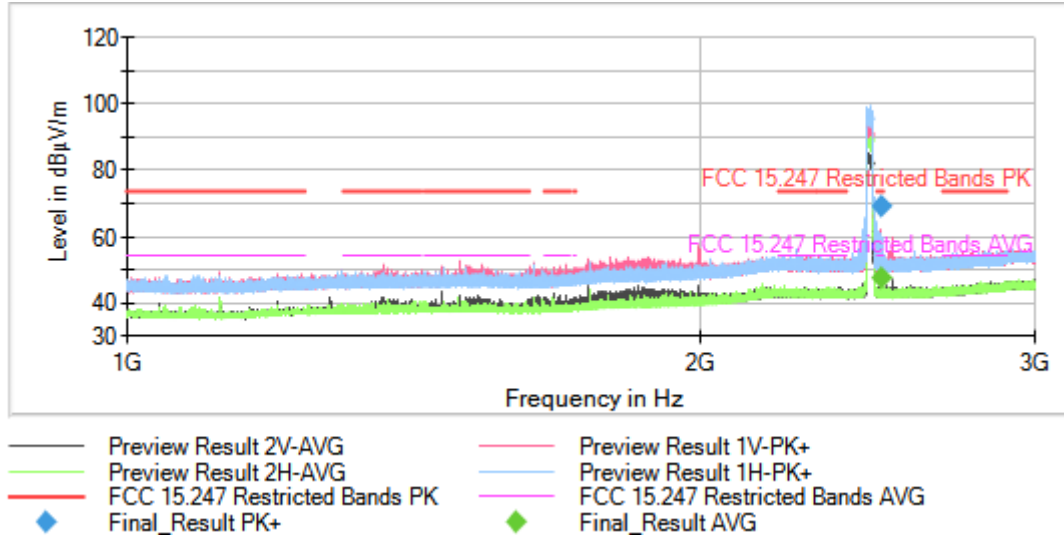
Frequency MHz = 2462.00000

Active Port = 1

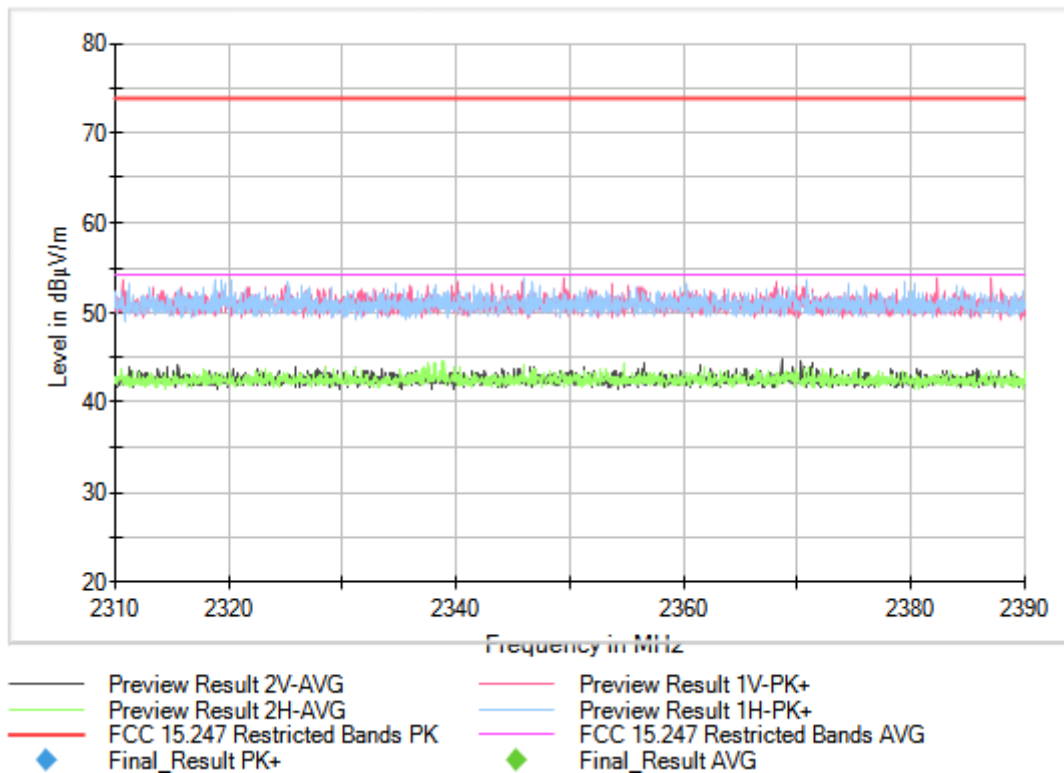
Modulation = 802.11ax HE20 (OFDMA MCS0)

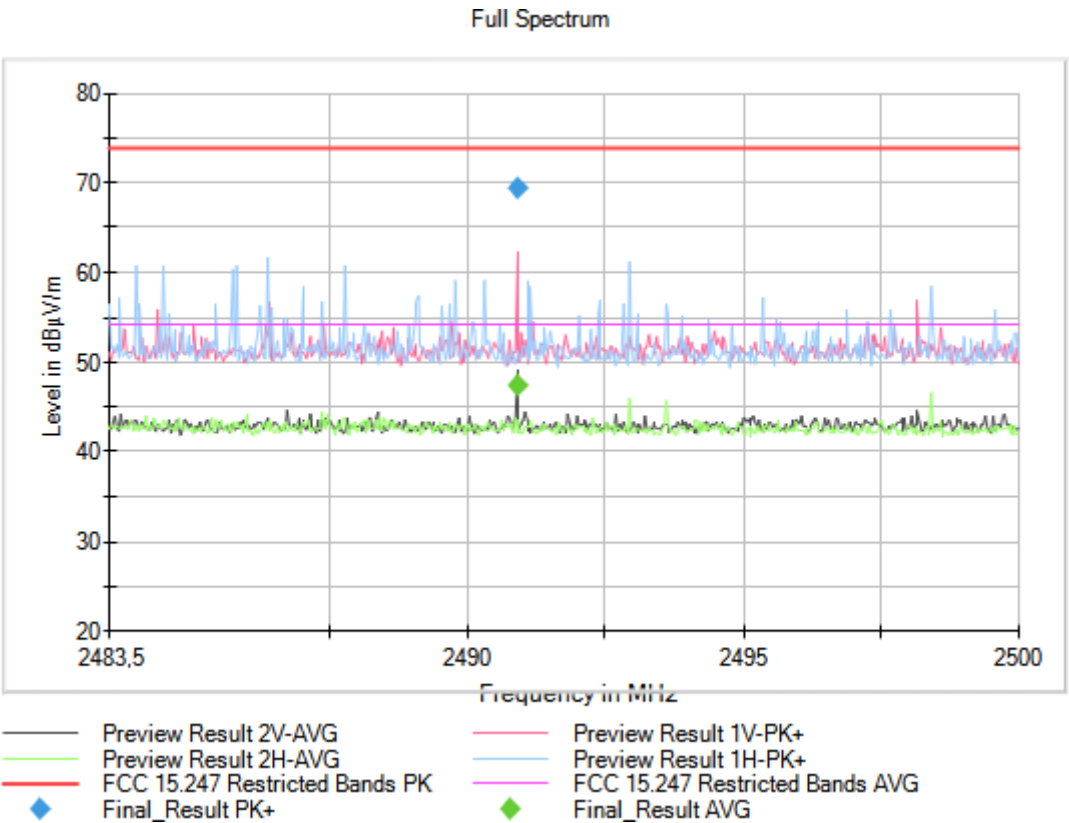
Subcarrier Mode = SU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

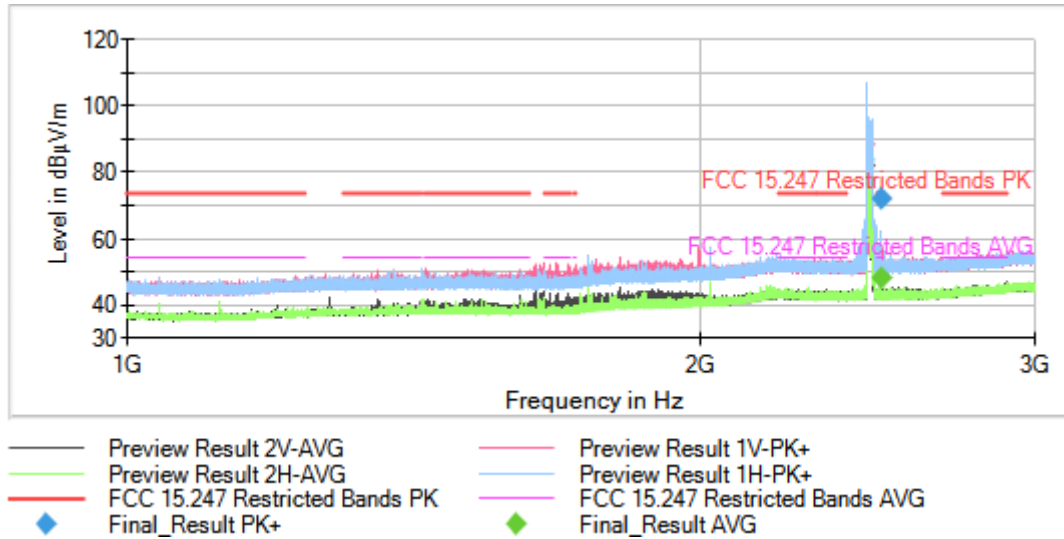
Frequency MHz = 2462.00000

Active Port = 1

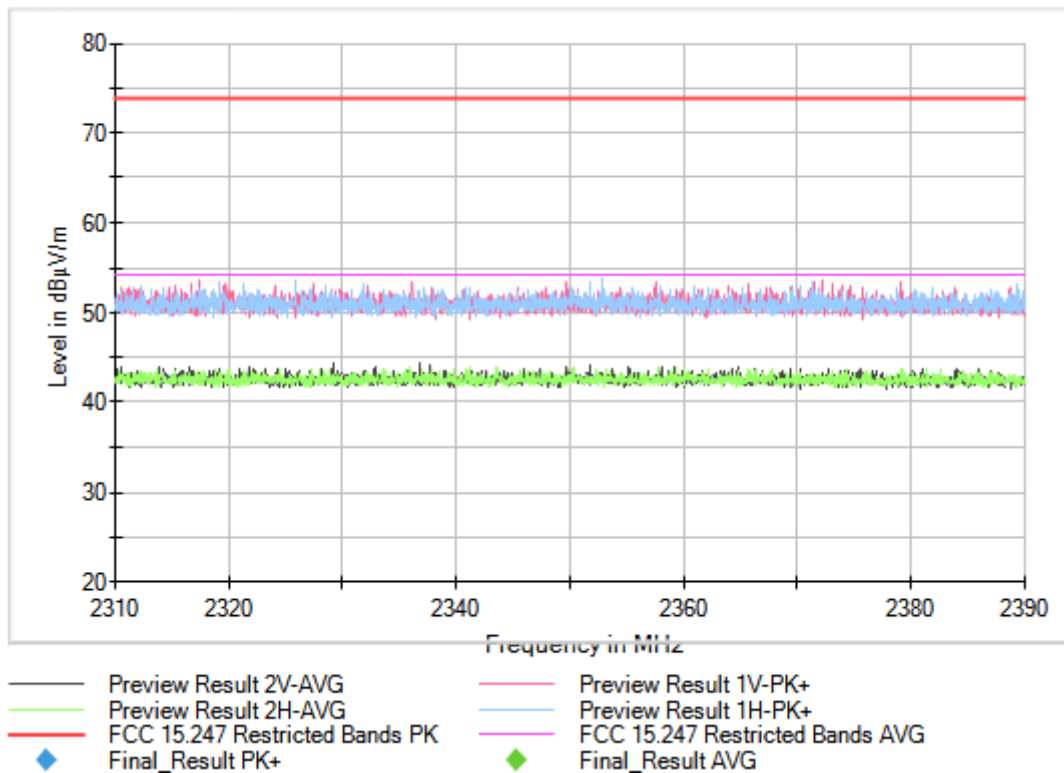
Modulation = 802.11ax HE20 (OFDMA MCS0)

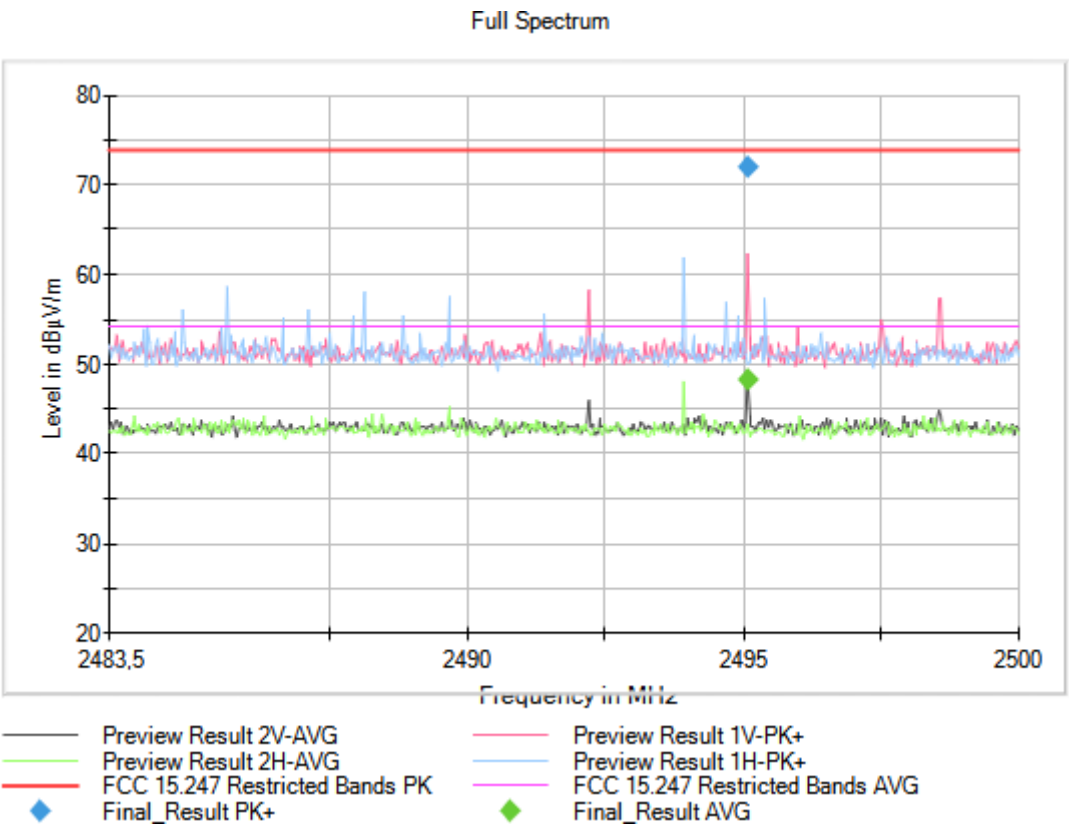
Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [3, 17]

Equipment Type = Digital Transmission System (DTS)

Active Port = 1

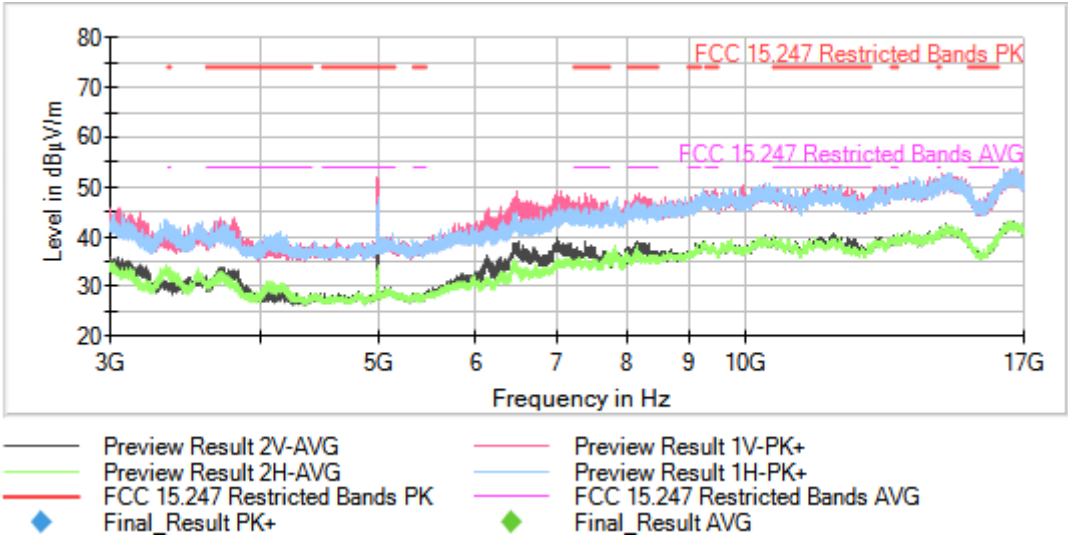
Subcarrier Mode = SU

Operation Band MHz = [2400, 2483.5]

Frequency MHz = 2412.00000

Modulation = 802.11ax HE20 (OFDMA MCS0)

Images:



Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Equipment Type = Digital Transmission System (DTS)

Active Port = 1

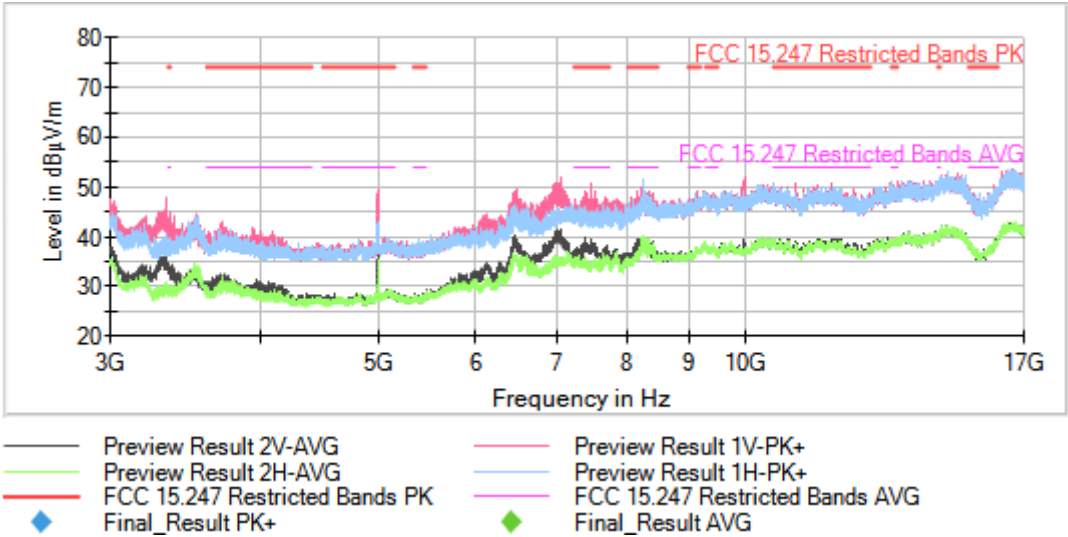
Subcarrier Mode = RU

Operation Band MHz = [2400, 2483.5]

Frequency MHz = 2412.00000

Modulation = 802.11ax HE20 (OFDMA MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

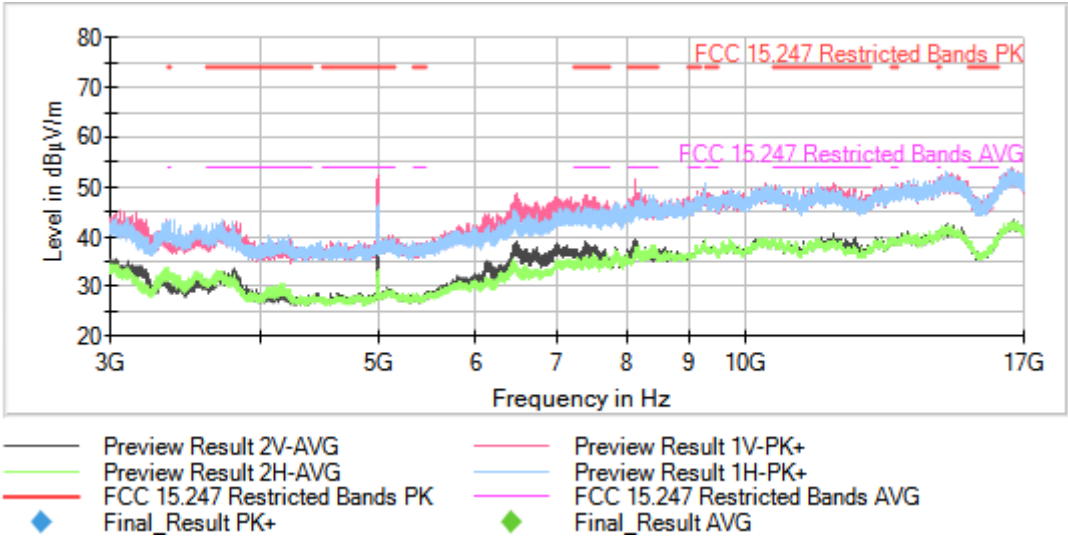
Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = SU

Images:



Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

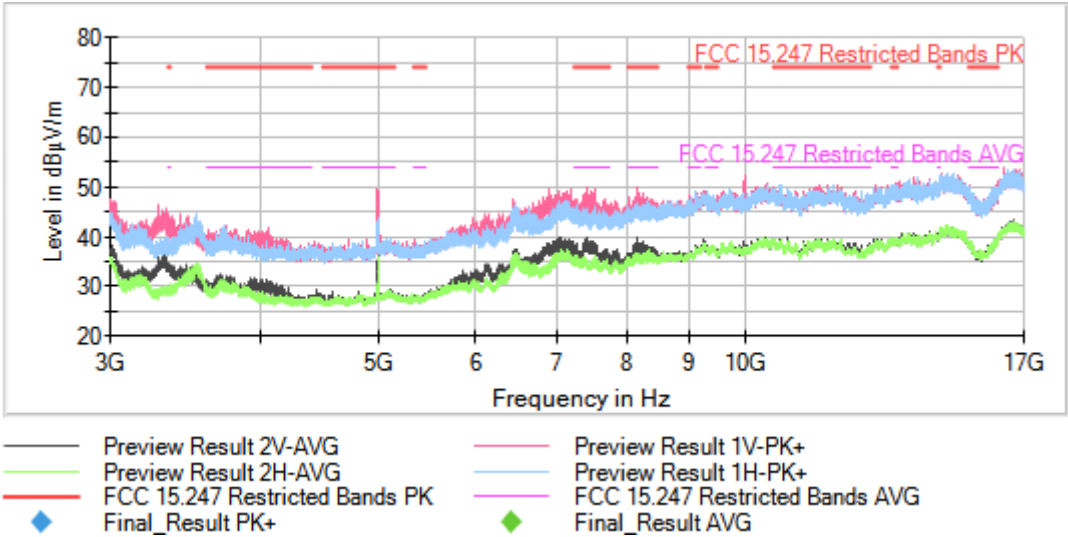
Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = RU

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

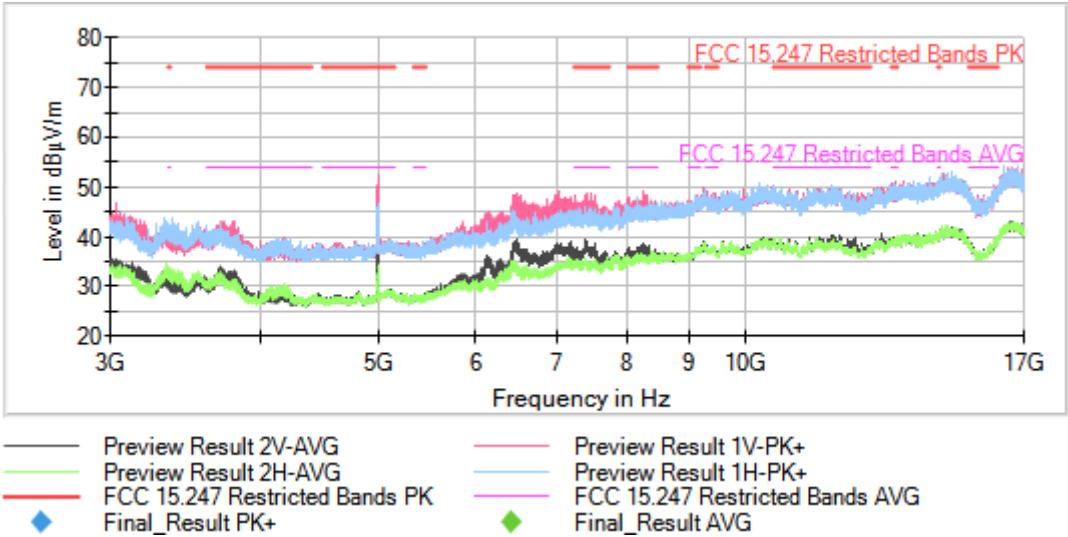
Frequency MHz = 2462.00000

Active Port = 1

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = SU

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Equipment Type = Digital Transmission System (DTS)

Active Port = 1

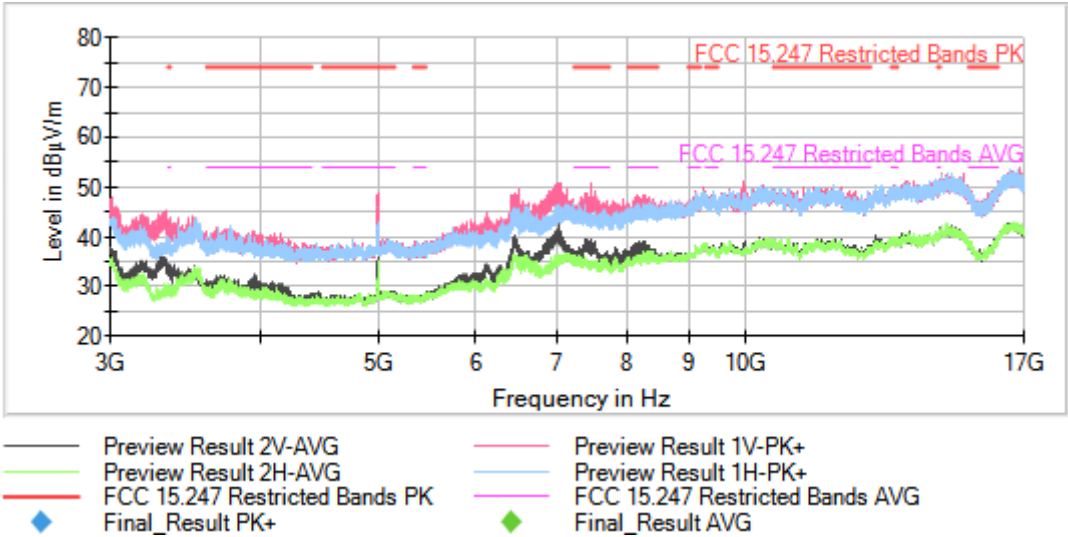
Subcarrier Mode = RU

Operation Band MHz = [2400, 2483.5]

Frequency MHz = 2462.00000

Modulation = 802.11ax HE20 (OFDMA MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Attachments

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

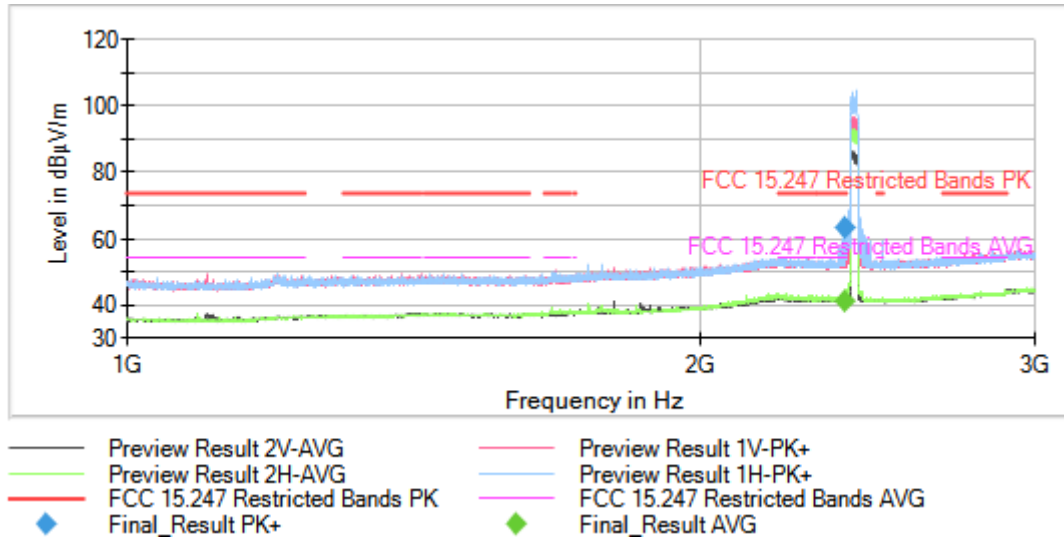
Frequency MHz = 2412.00000

Active Port = 1+2

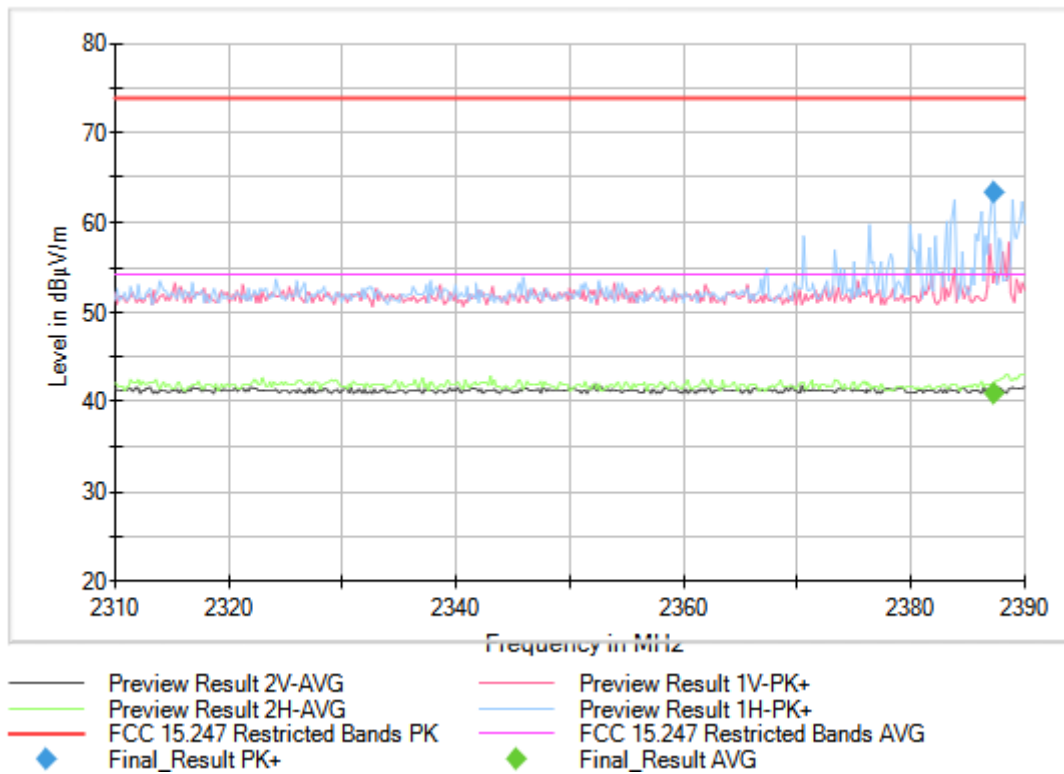
Modulation = 802.11ax HE20 (OFDMA MCS0)

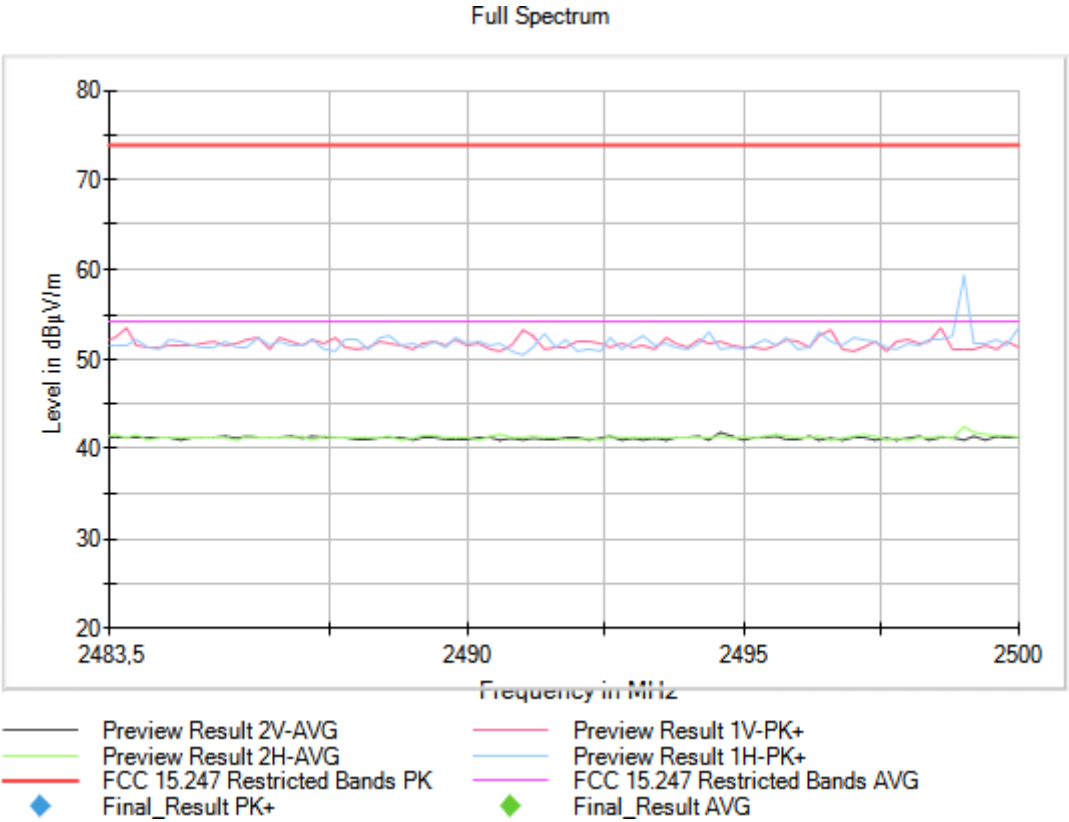
Subcarrier Mode = SU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

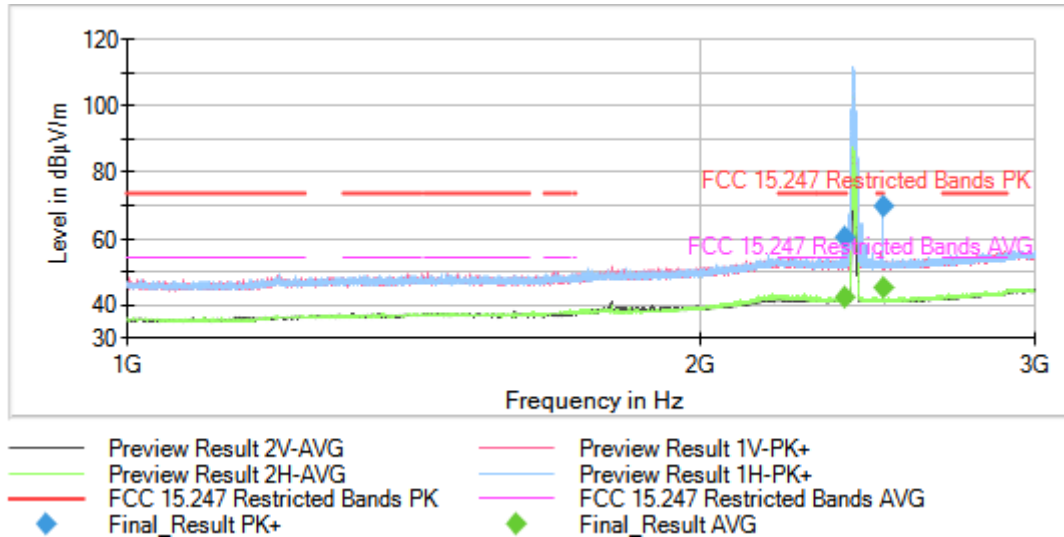
Frequency MHz = 2412.00000

Active Port = 1+2

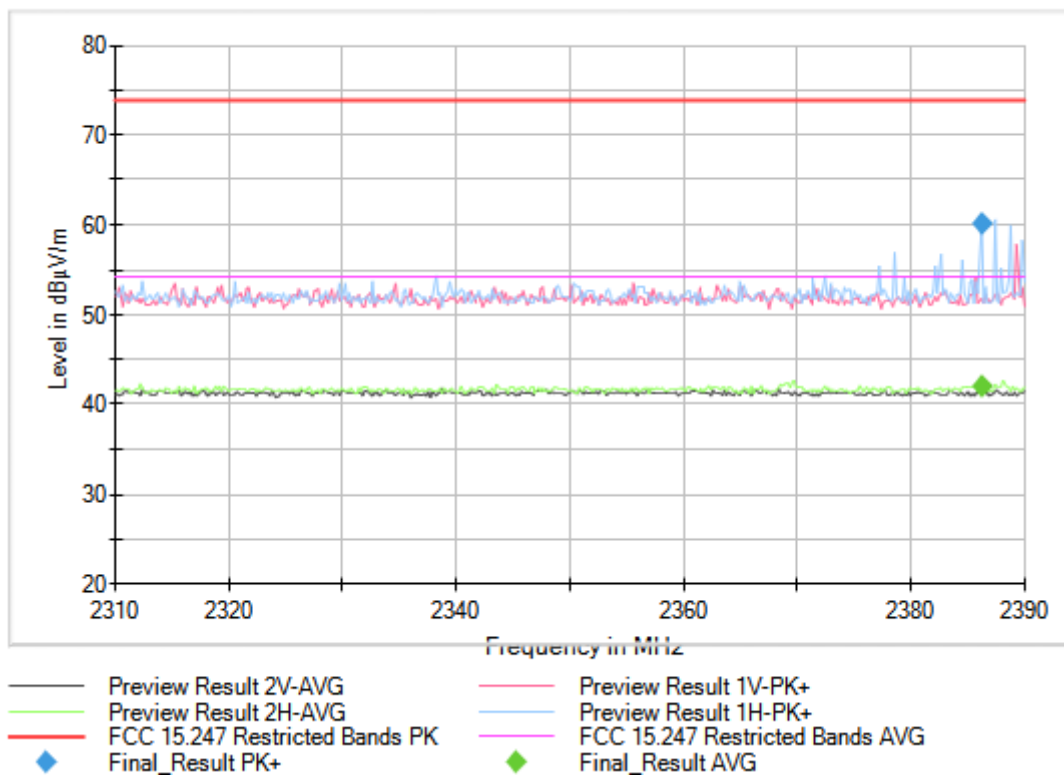
Modulation = 802.11ax HE20 (OFDMA MCS0)

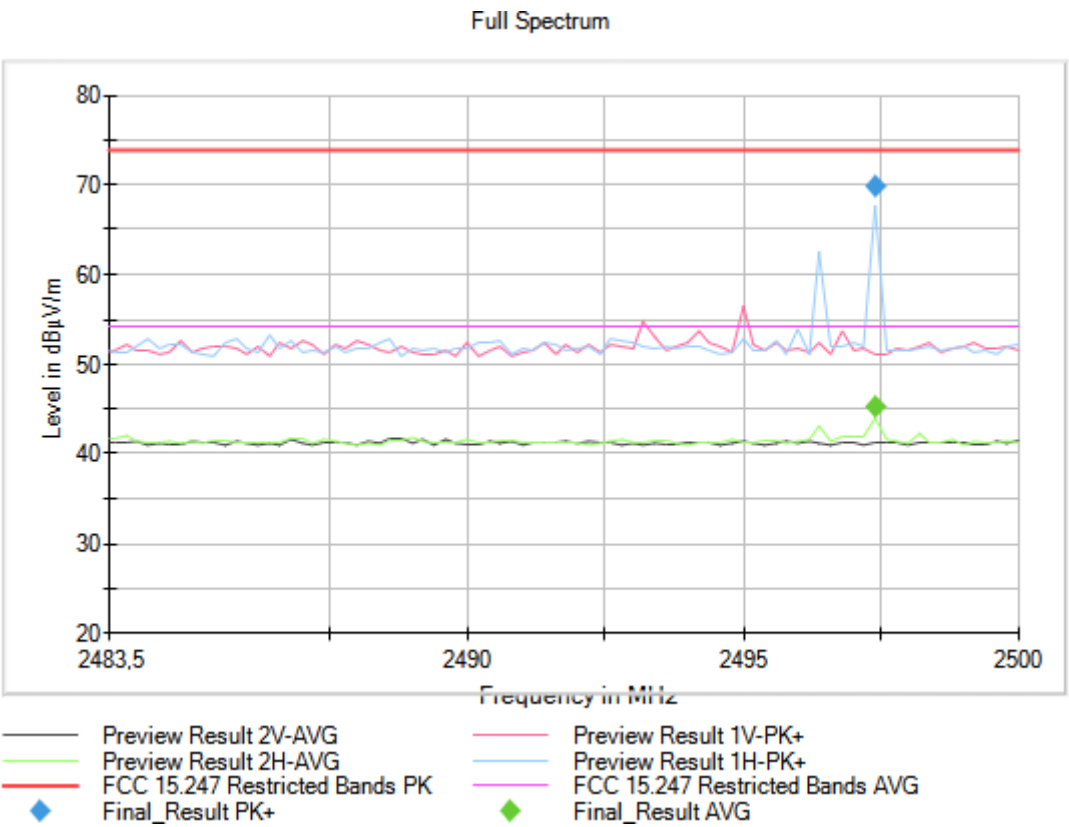
Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

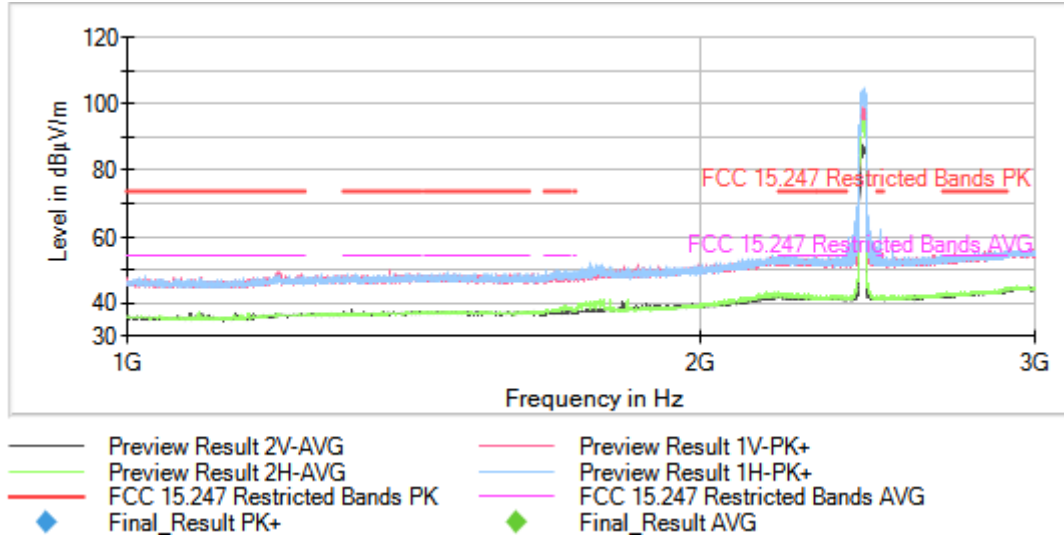
Frequency MHz = 2437.00000

Active Port = 1+2

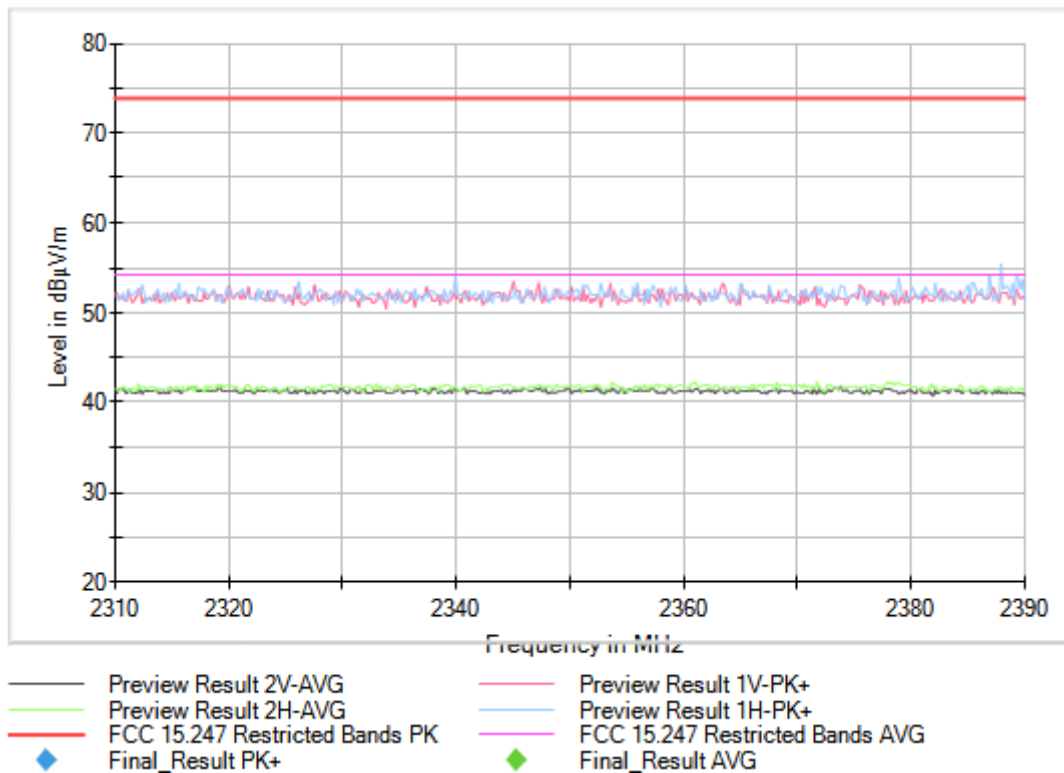
Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = SU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

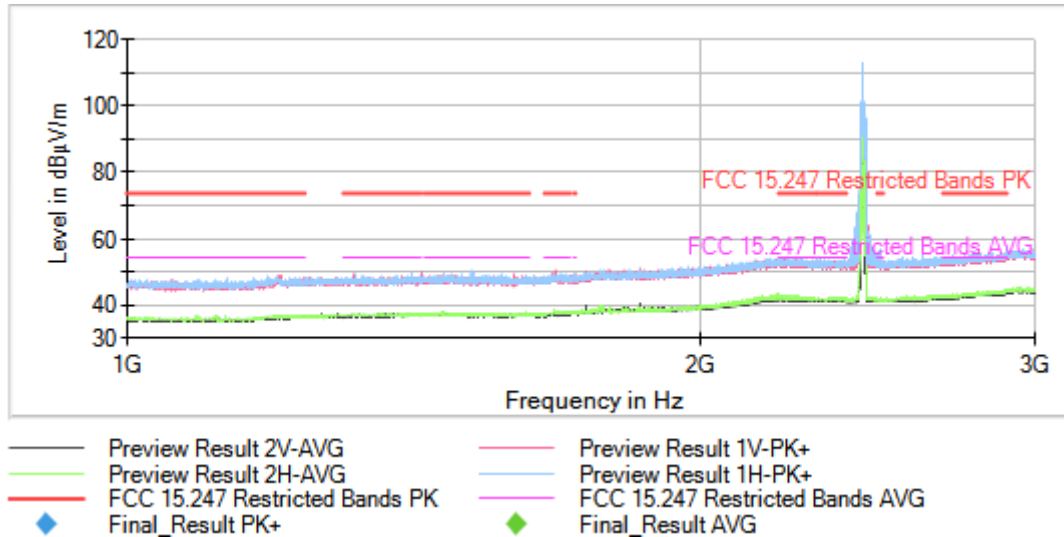
Frequency MHz = 2437.00000

Active Port = 1+2

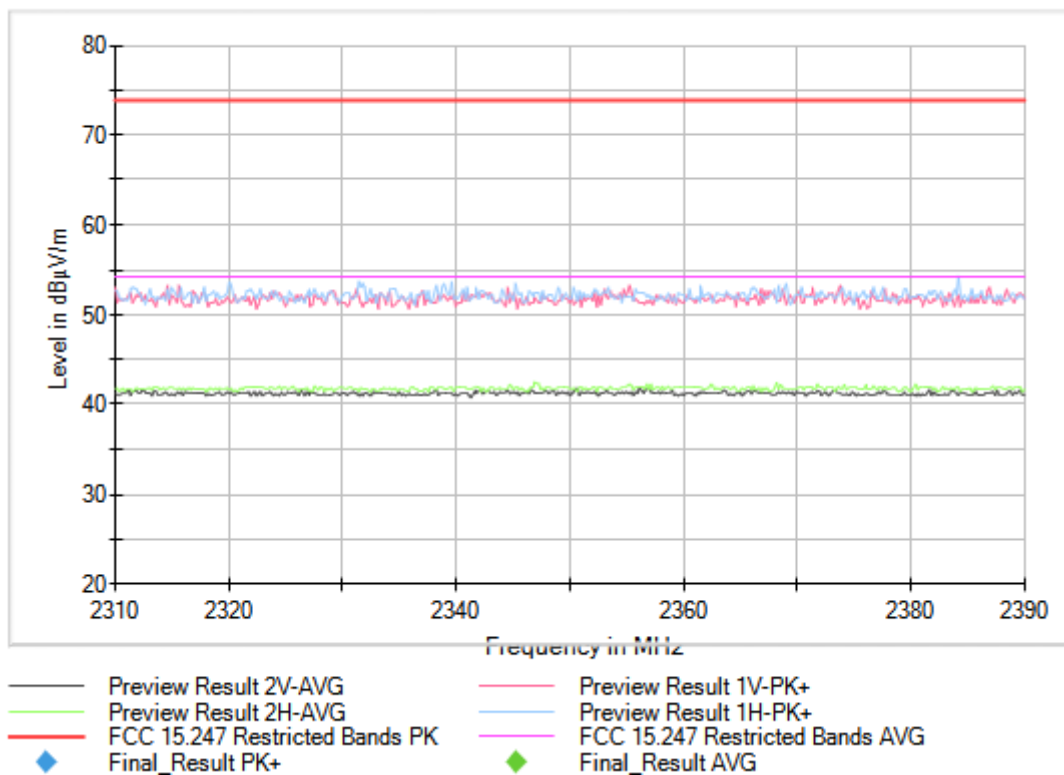
Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

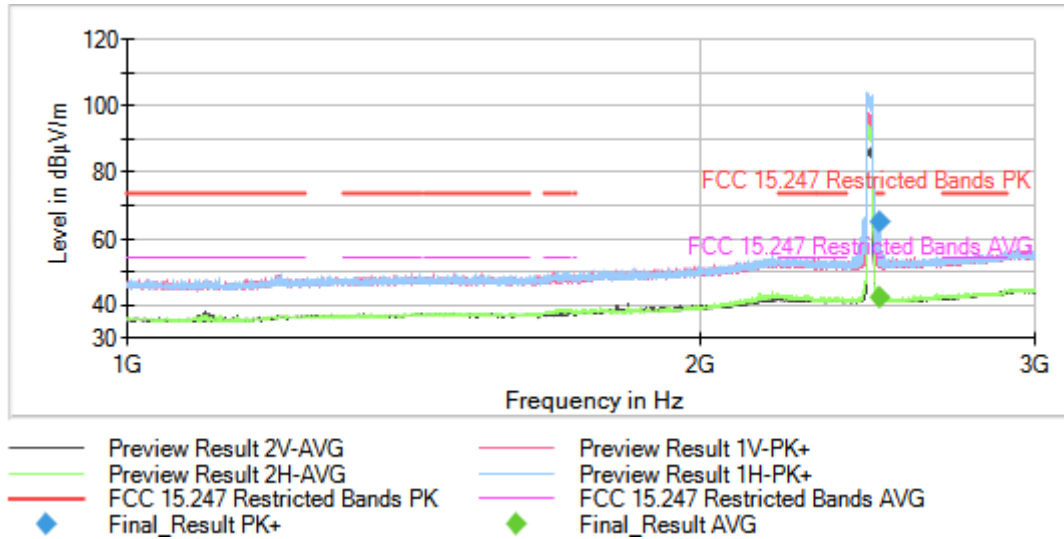
Frequency MHz = 2462.00000

Active Port = 1+2

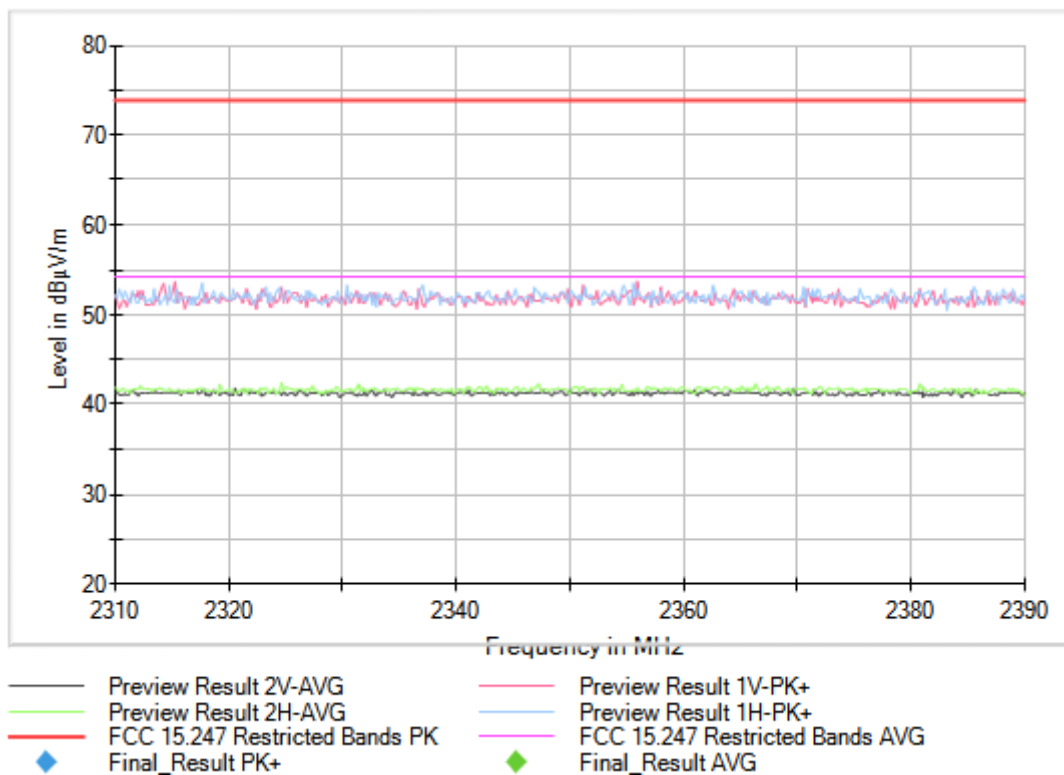
Modulation = 802.11ax HE20 (OFDMA MCS0)

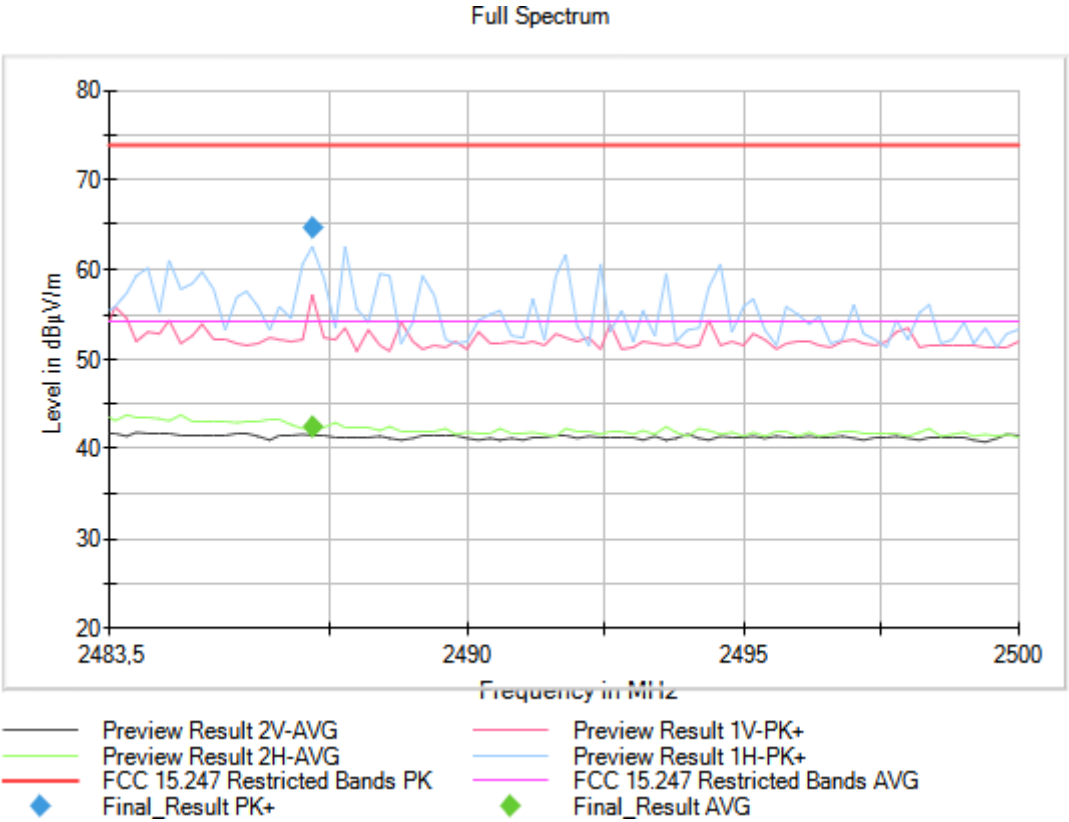
Subcarrier Mode = SU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

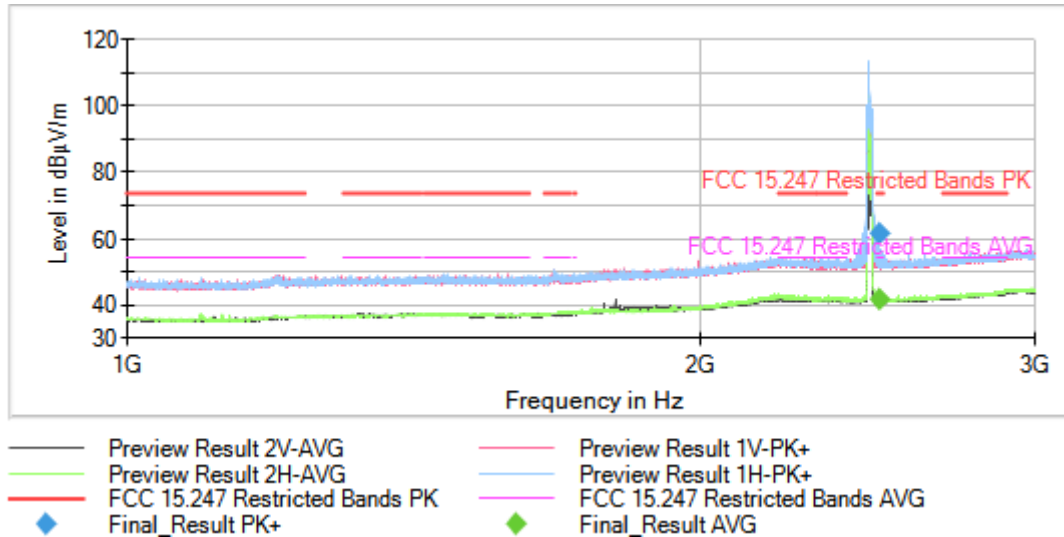
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2462.00000

Active Port = 1+2

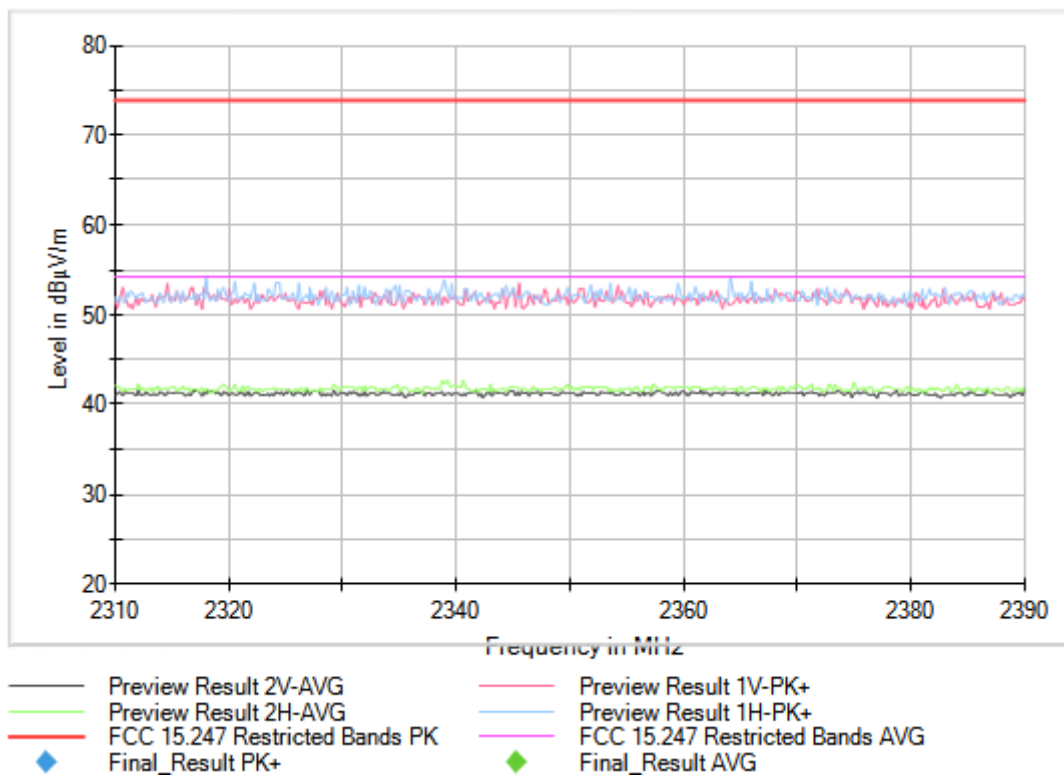
Modulation = 802.11ax HE20 (OFDMA MCS0)

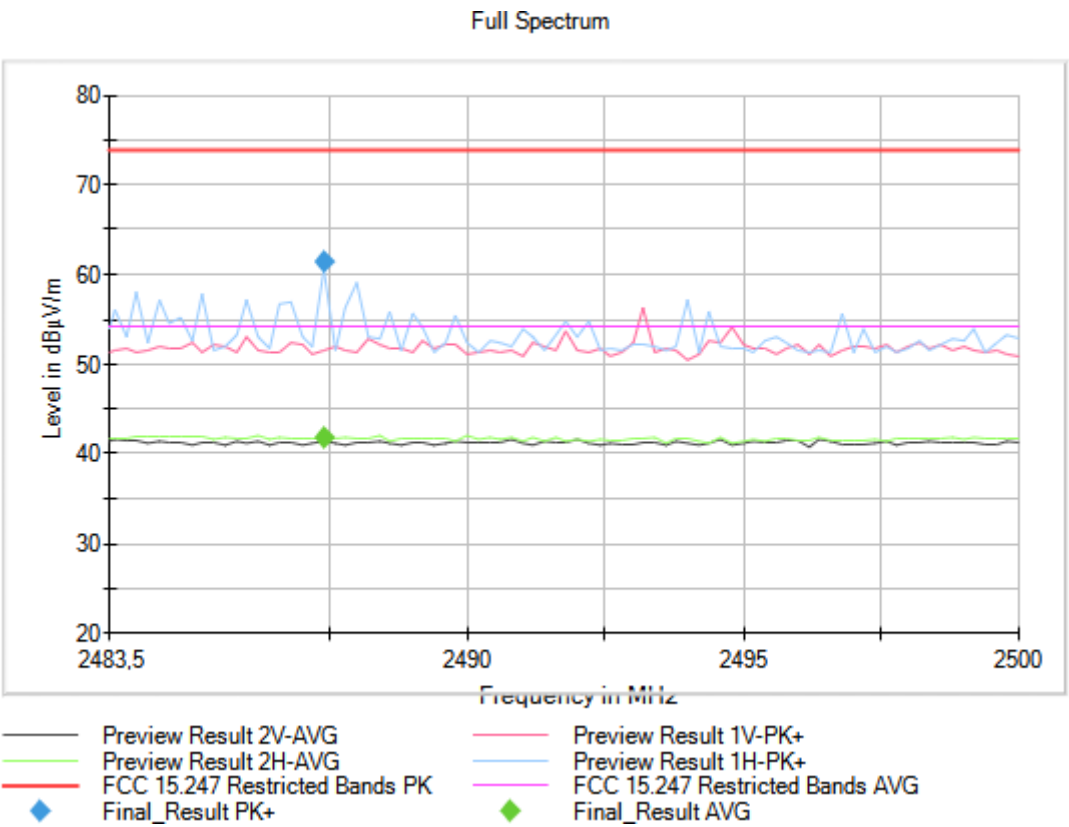
Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

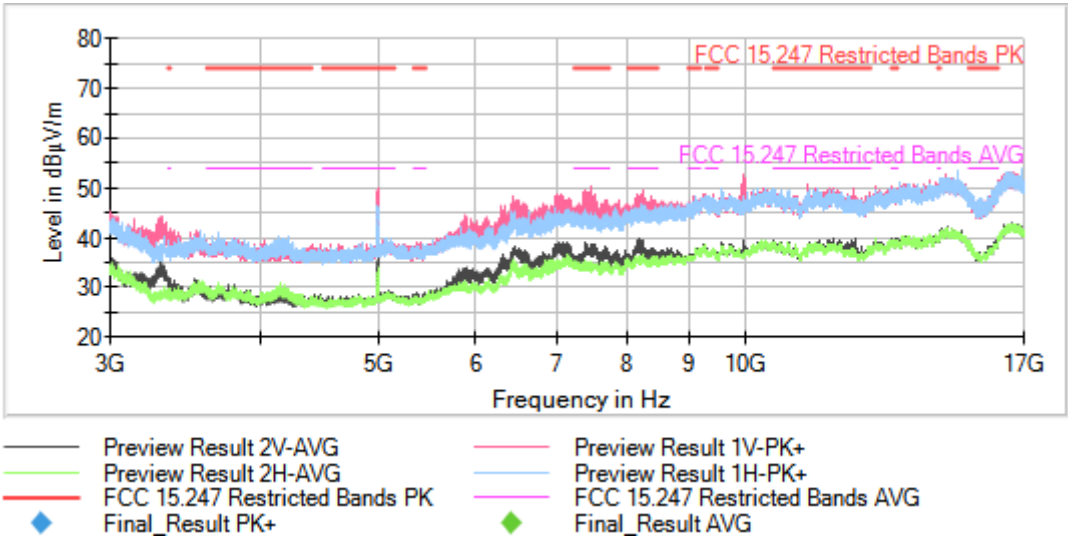
Frequency MHz = 2412.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = SU

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

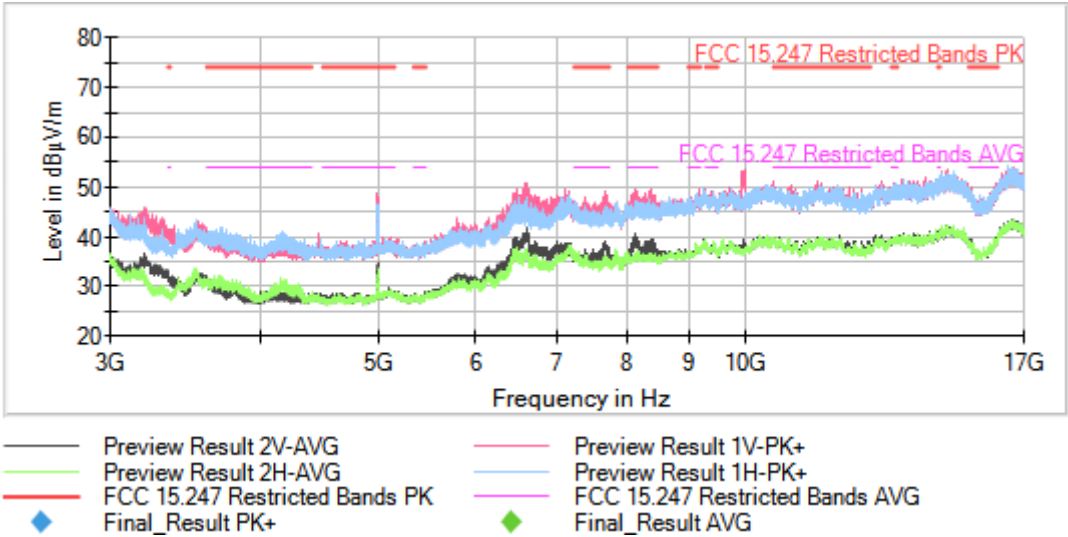
Frequency MHz = 2412.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = RU

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Equipment Type = Digital Transmission System (DTS)

Active Port = 1+2

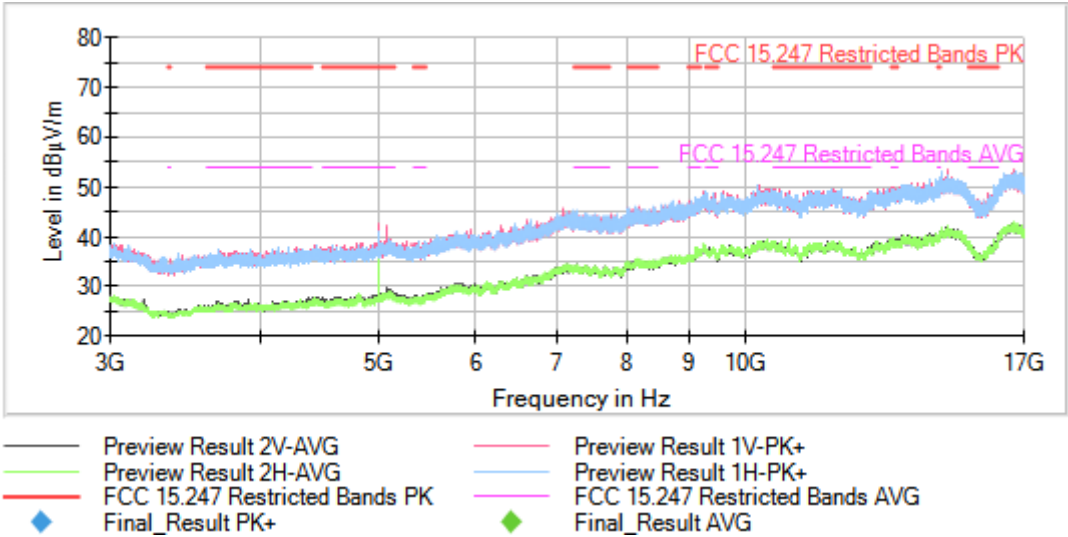
Subcarrier Mode = SU

Operation Band MHz = [2400, 2483.5]

Frequency MHz = 2437.00000

Modulation = 802.11ax HE20 (OFDMA MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Equipment Type = Digital Transmission System (DTS)

Active Port = 1+2

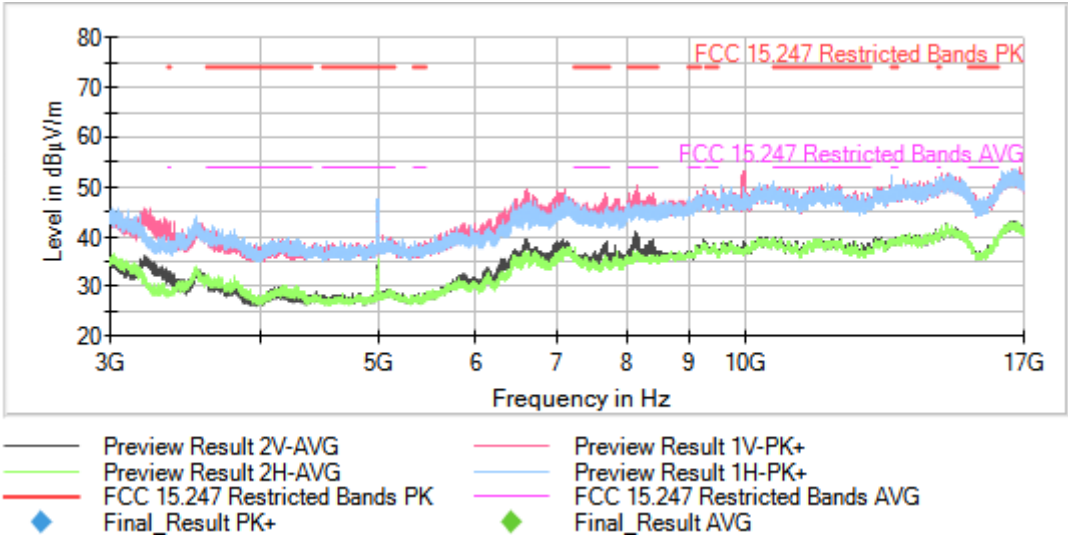
Subcarrier Mode = RU

Operation Band MHz = [2400, 2483.5]

Frequency MHz = 2437.00000

Modulation = 802.11ax HE20 (OFDMA MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Equipment Type = Digital Transmission System (DTS)

Active Port = 1+2

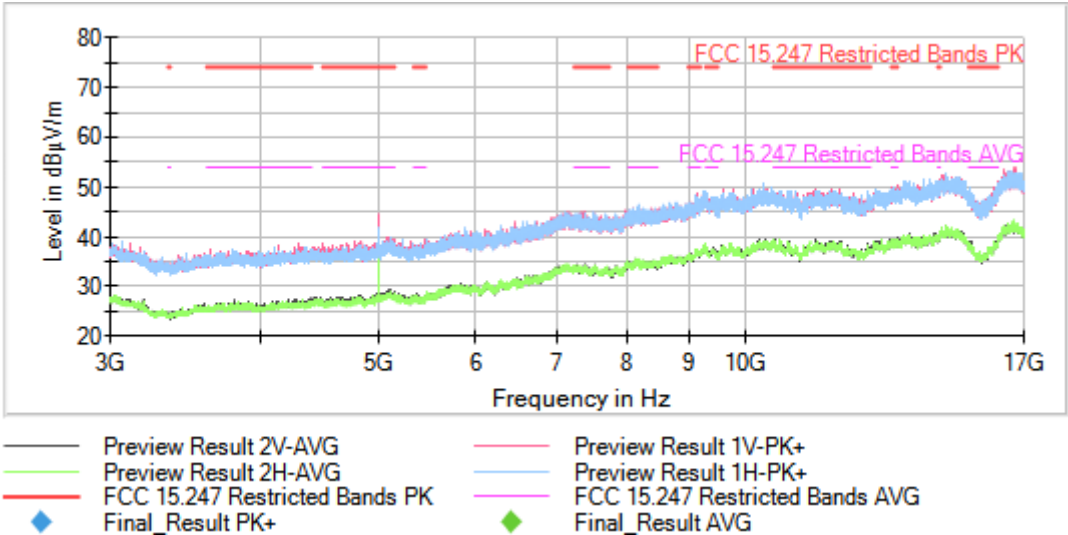
Subcarrier Mode = SU

Operation Band MHz = [2400, 2483.5]

Frequency MHz = 2462.00000

Modulation = 802.11ax HE20 (OFDMA MCS0)

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

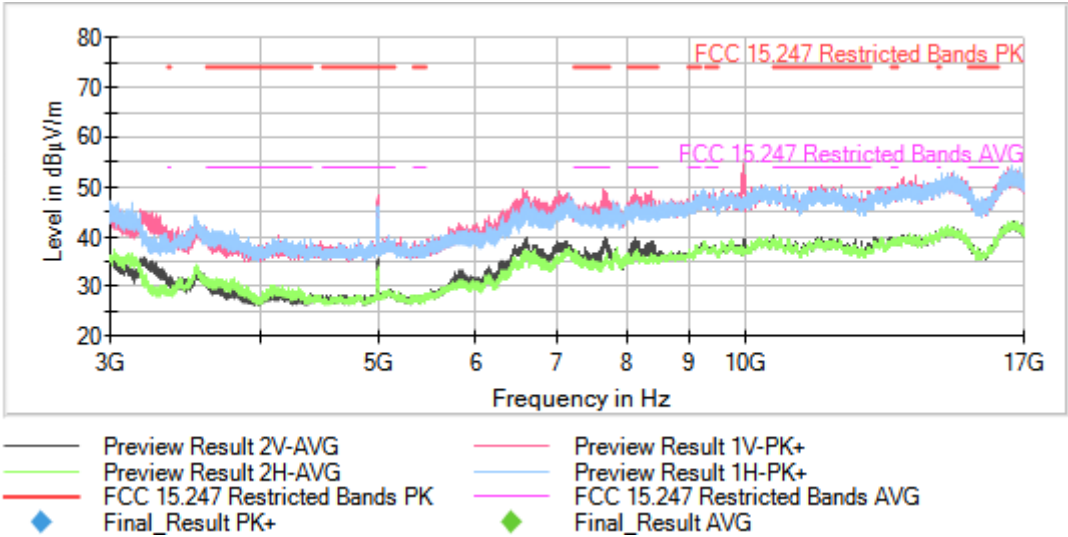
Frequency MHz = 2462.00000

Active Port = 1+2

Modulation = 802.11ax HE20 (OFDMA MCS0)

Subcarrier Mode = RU

Images:



Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Modulation: 802.11ax HE40 (OFDMA MCS0)

Results

Freq Rng (GHz)	Operation Band (MHz)	Equipment	Freq (MHz)	Port	Subcarrier Mode	Unwanted Freq (MHz)	Unwanted Lvl (dBμV/m)	Pol	Detector
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2422.00000	1	SU	2388.462	58.14	H	PK
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2422.00000	1	SU	2388.462	41.91	H	AVG
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2437.00000	1	SU	2490.308	69.51	H	PK
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2437.00000	1	SU	2490.308	46.52	H	AVG
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2437.00000	1	RU	2495.631	56.12	H	PK
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2437.00000	1	RU	2495.631	38.79	H	AVG
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2452.00000	1	SU	2493.815	63.10	H	PK
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2452.00000	1	SU	2493.815	43.36	H	AVG
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2422.00000	1+2	SU	2386.400	62.06	H	PK
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2422.00000	1+2	SU	2386.400	43.85	H	AVG
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2437.00000	1+2	SU	2387.000	56.93	H	PK
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2437.00000	1+2	SU	2387.000	42.03	H	AVG
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2437.00000	1+2	SU	2485.200	64.14	H	PK

Freq Rng (GHz)	Operation Band (MHz)	Equipment	Freq (MHz)	Port	Subcarrier Mode	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2437.00000	1+2	SU	2485.200	42.32	H	AVG
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2437.00000	1+2	RU	2384.400	55.31	H	PK
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2437.00000	1+2	RU	2384.400	41.70	H	AVG
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2437.00000	1+2	RU	2485.000	61.58	H	PK
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2437.00000	1+2	RU	2485.000	40.90	H	AVG
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2452.00000	1+2	SU	2484.600	65.12	H	PK
[1, 3]	[2400, 2483.5]	Digital Transmission System (DTS)	2452.00000	1+2	SU	2484.600	47.50	H	AVG

Verdict

Pass

Attachments

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

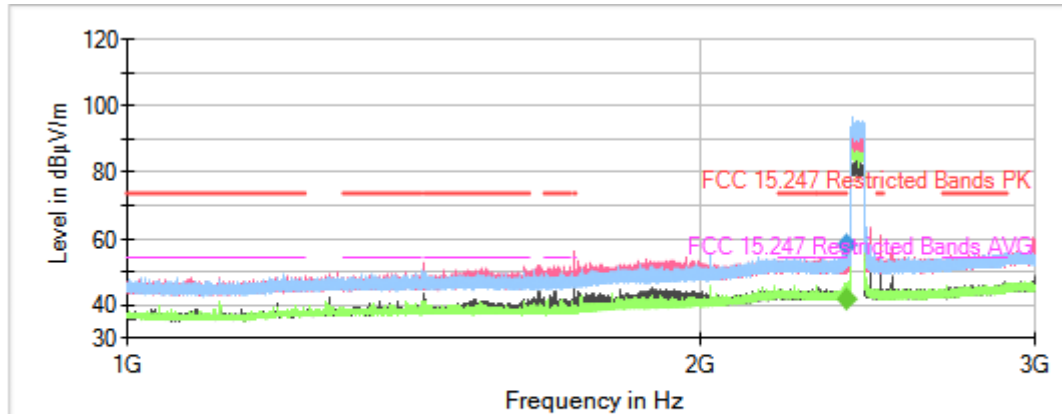
Frequency MHz = 2422.00000

Active Port = 1

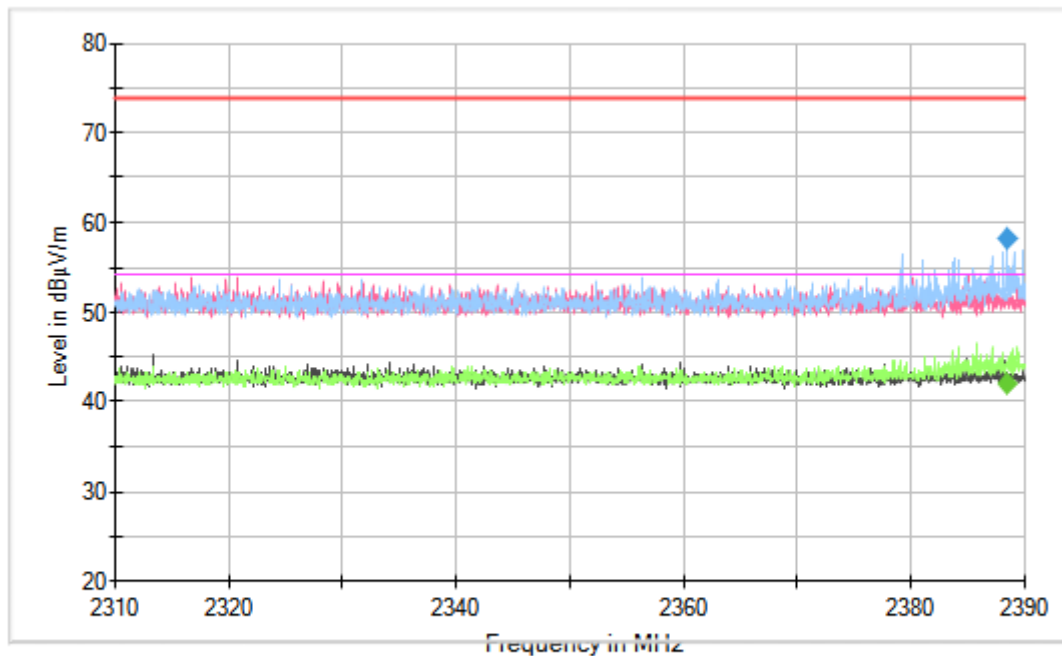
Modulation = 802.11ax HE40 (OFDMA MCS0)

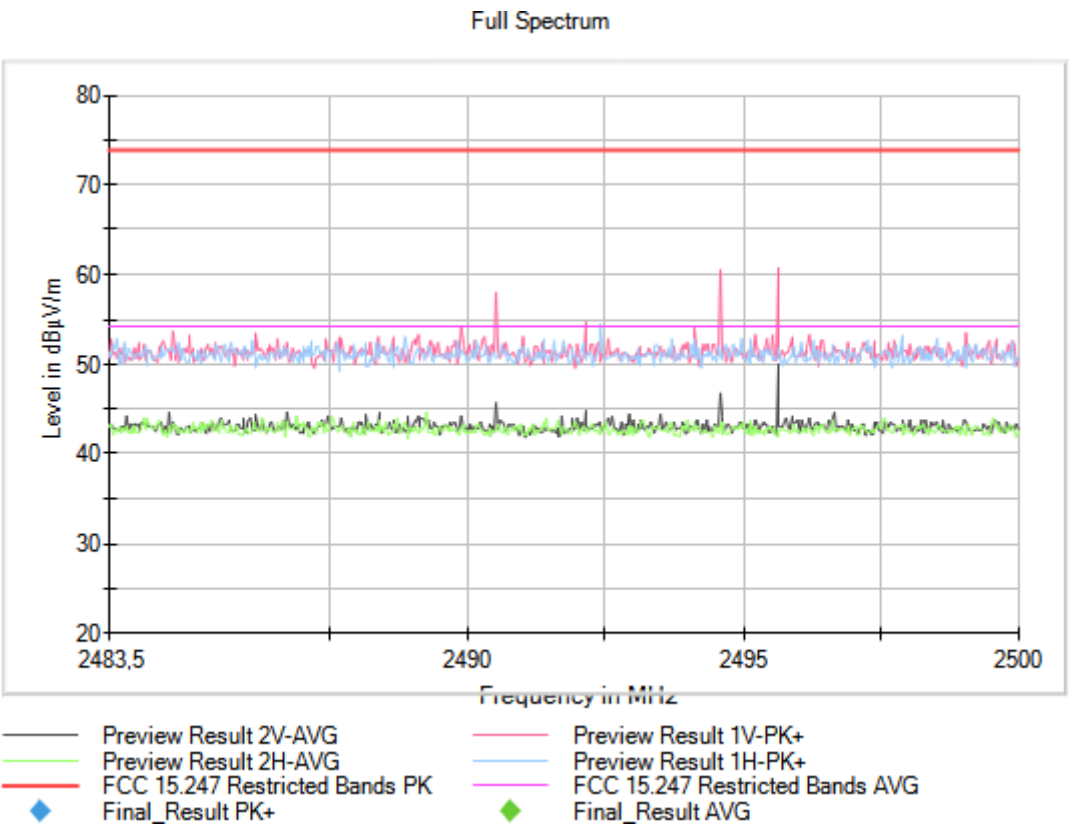
Subcarrier Mode = SU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

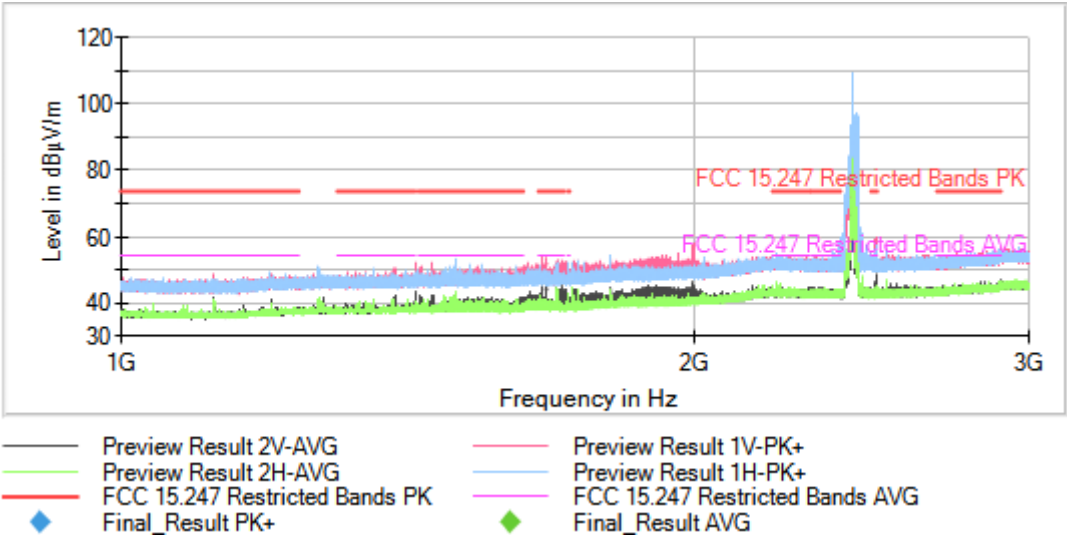
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2422.00000

Active Port = 1

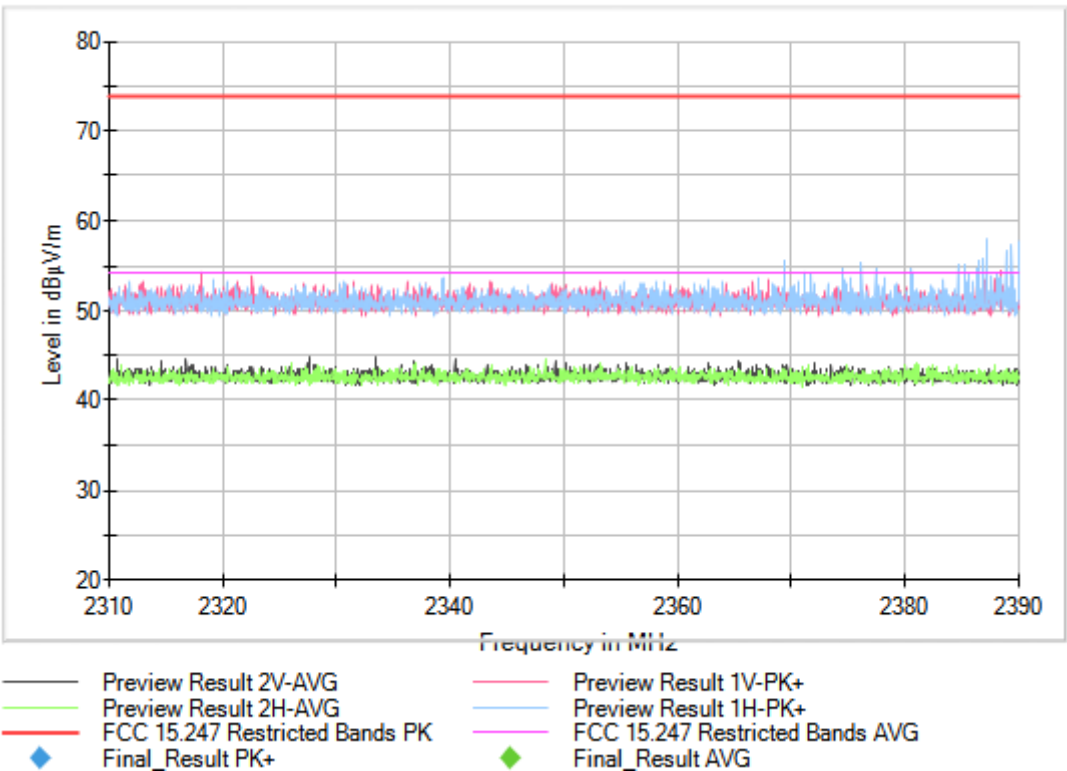
Modulation = 802.11ax HE40 (OFDMA MCS0)

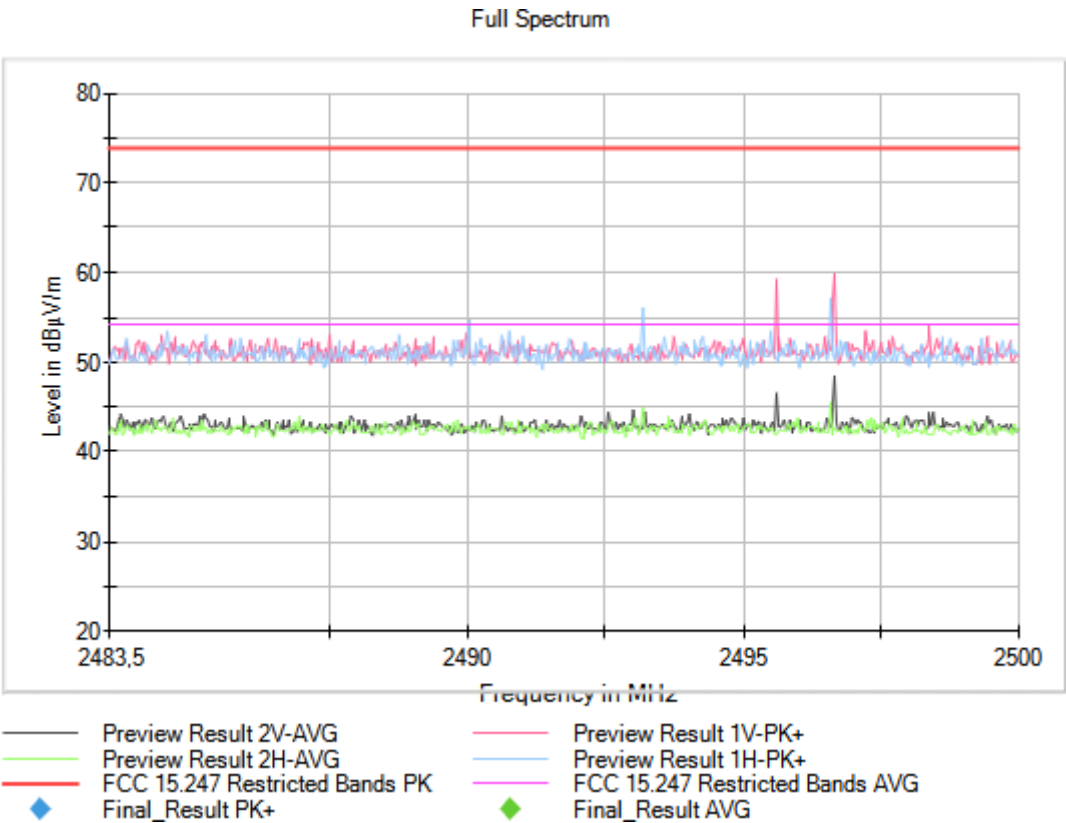
Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

Frequency MHz = 2437.00000

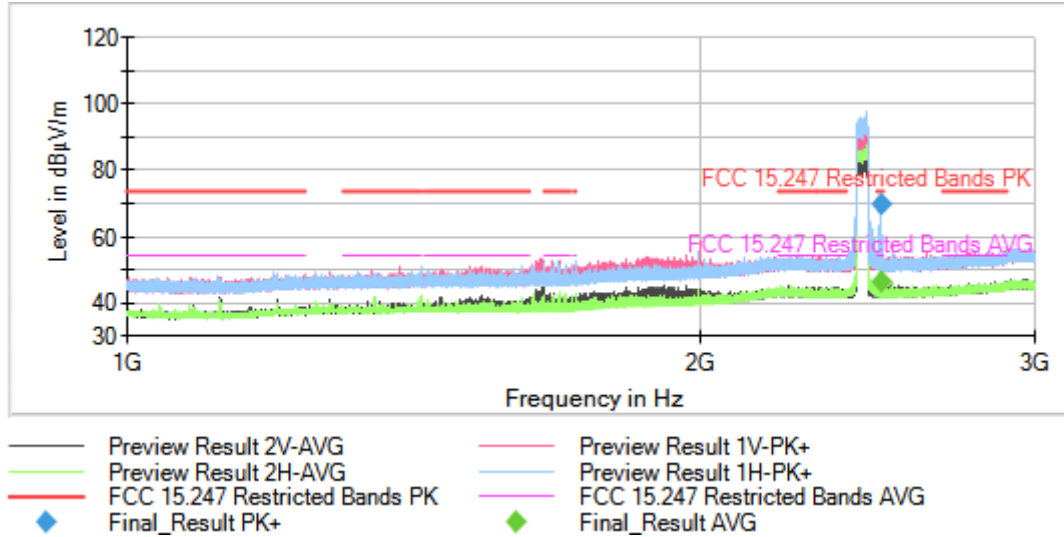
Antenna configuration = SISO

Active Port = 1

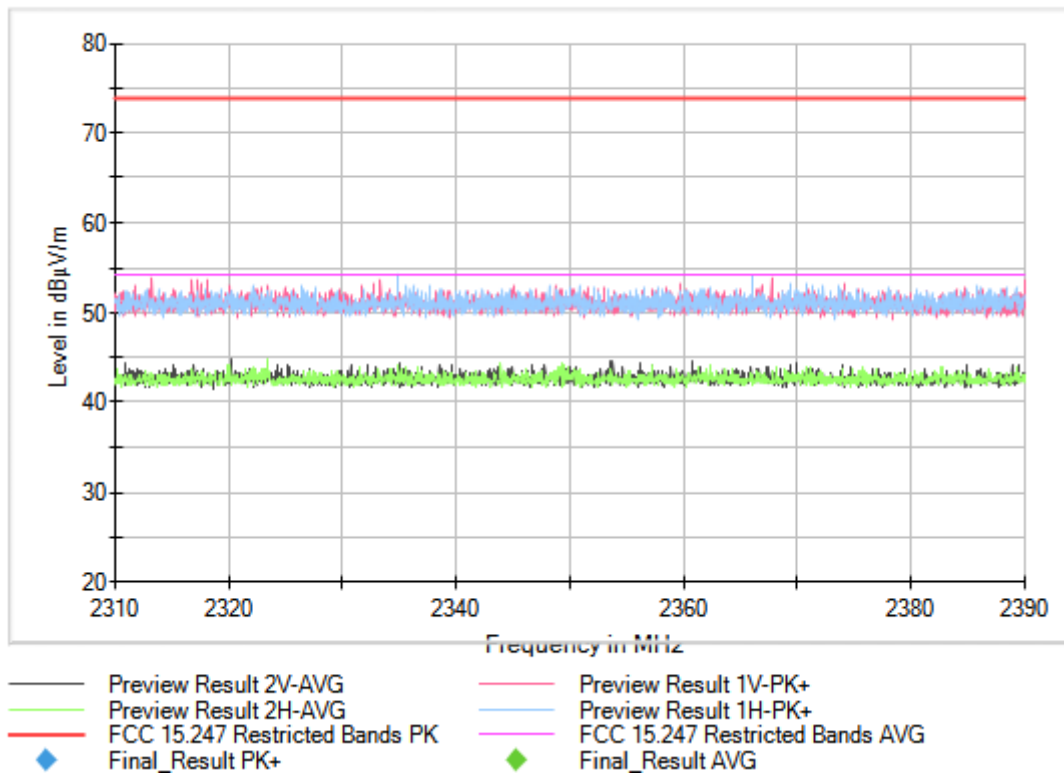
Modulation = 802.11ax HE40 (OFDMA MCS0)

Subcarrier Mode = SU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

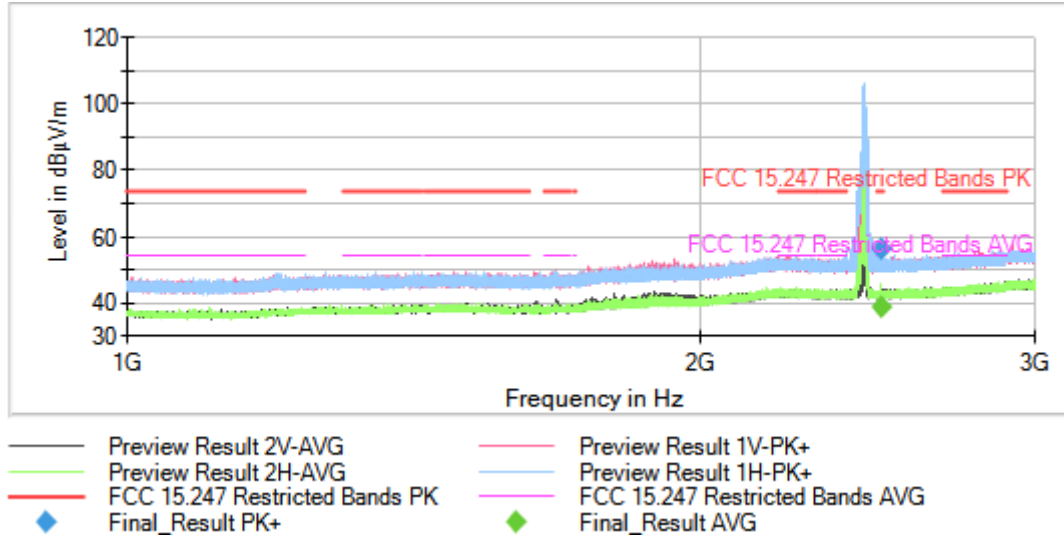
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

Active Port = 1

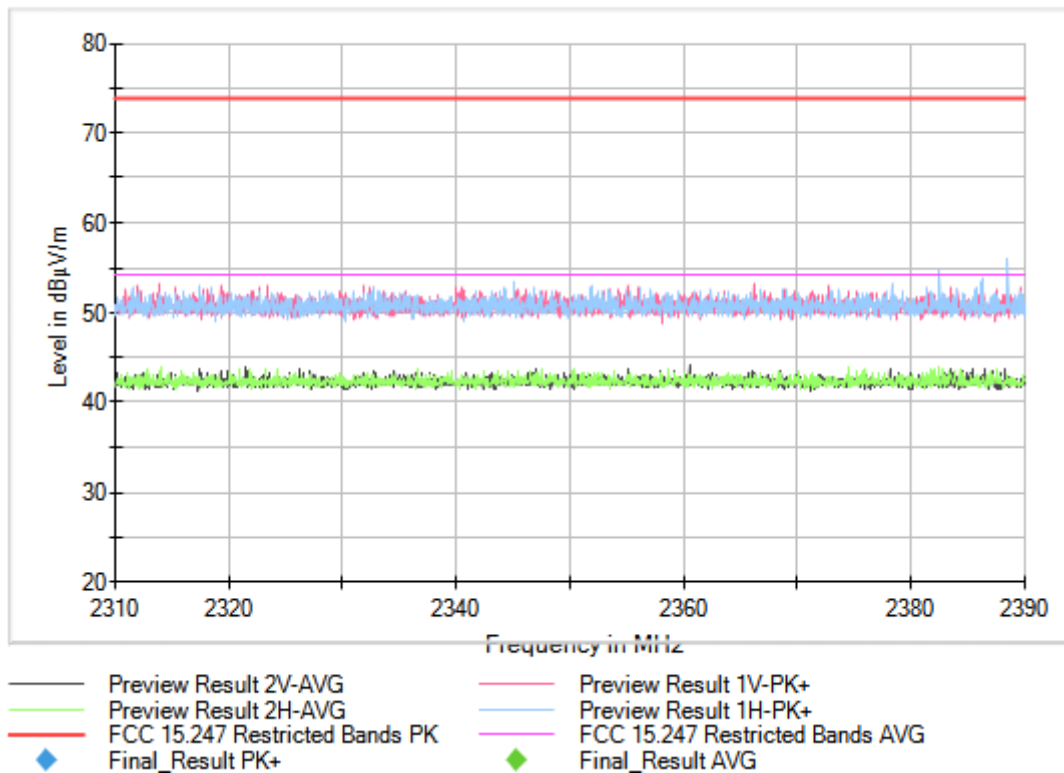
Modulation = 802.11ax HE40 (OFDMA MCS0)

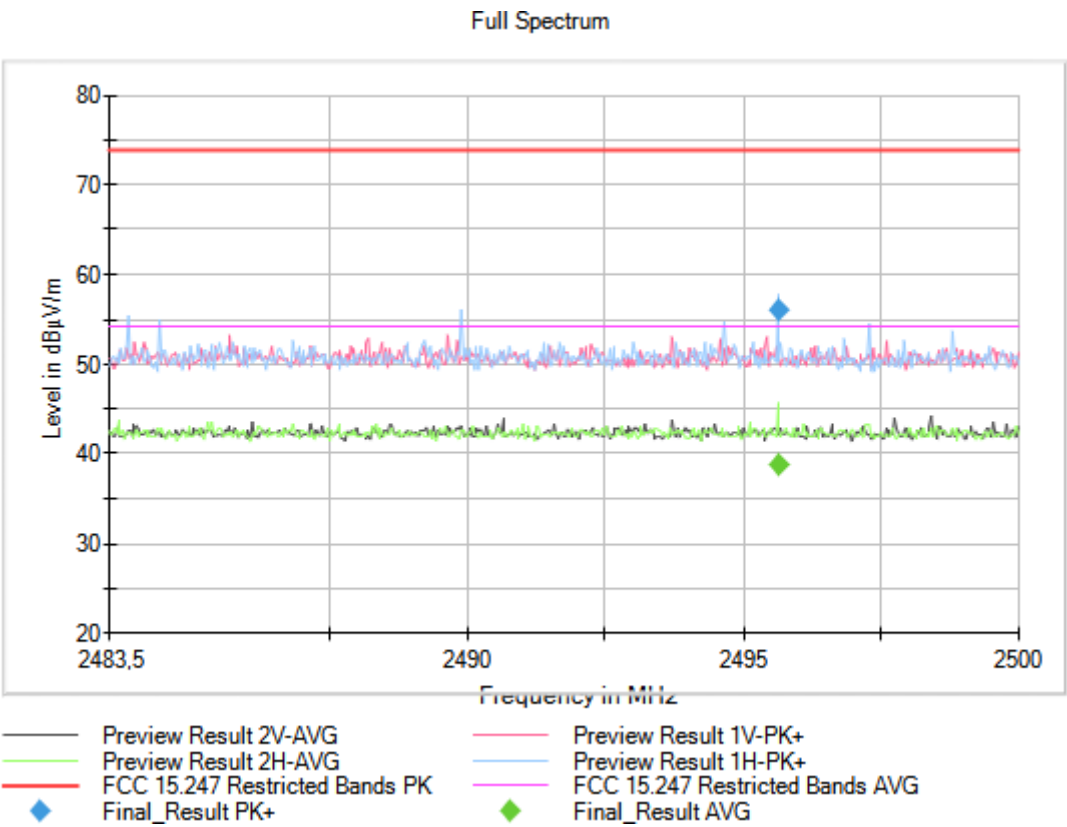
Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

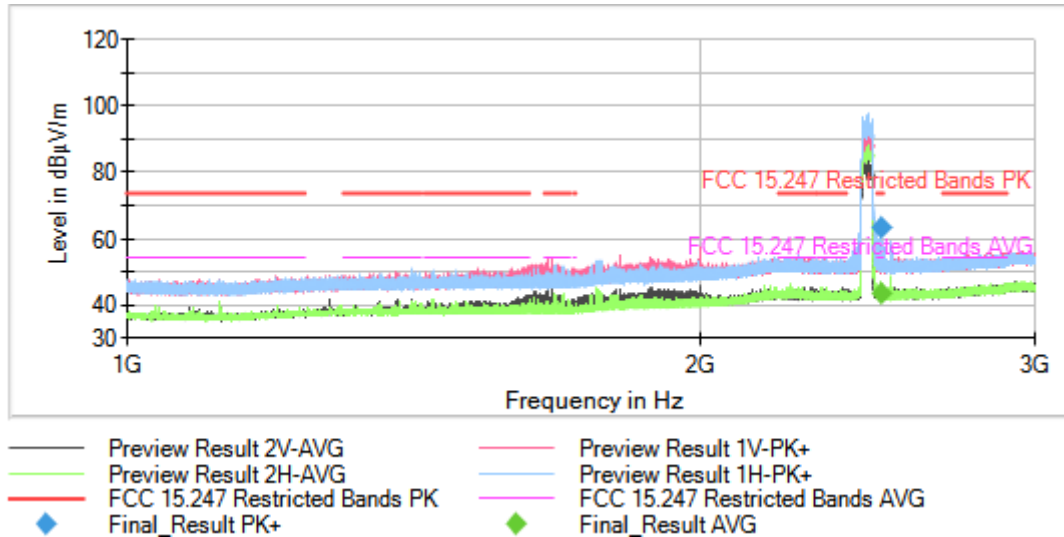
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2452.00000

Active Port = 1

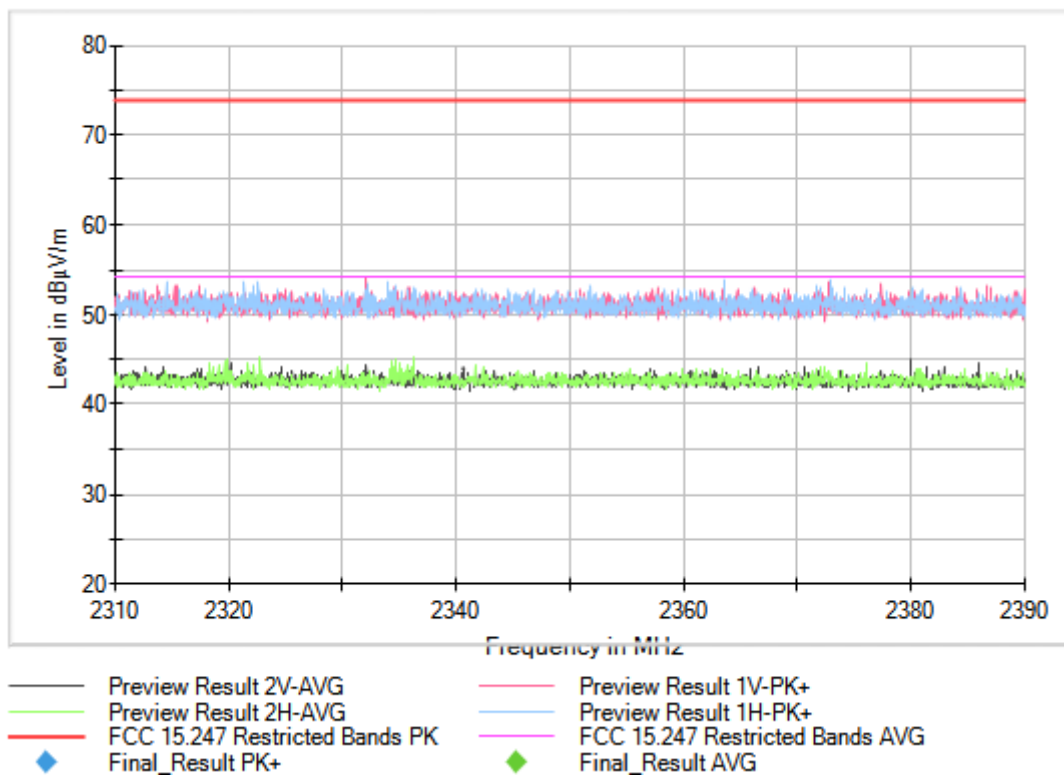
Modulation = 802.11ax HE40 (OFDMA MCS0)

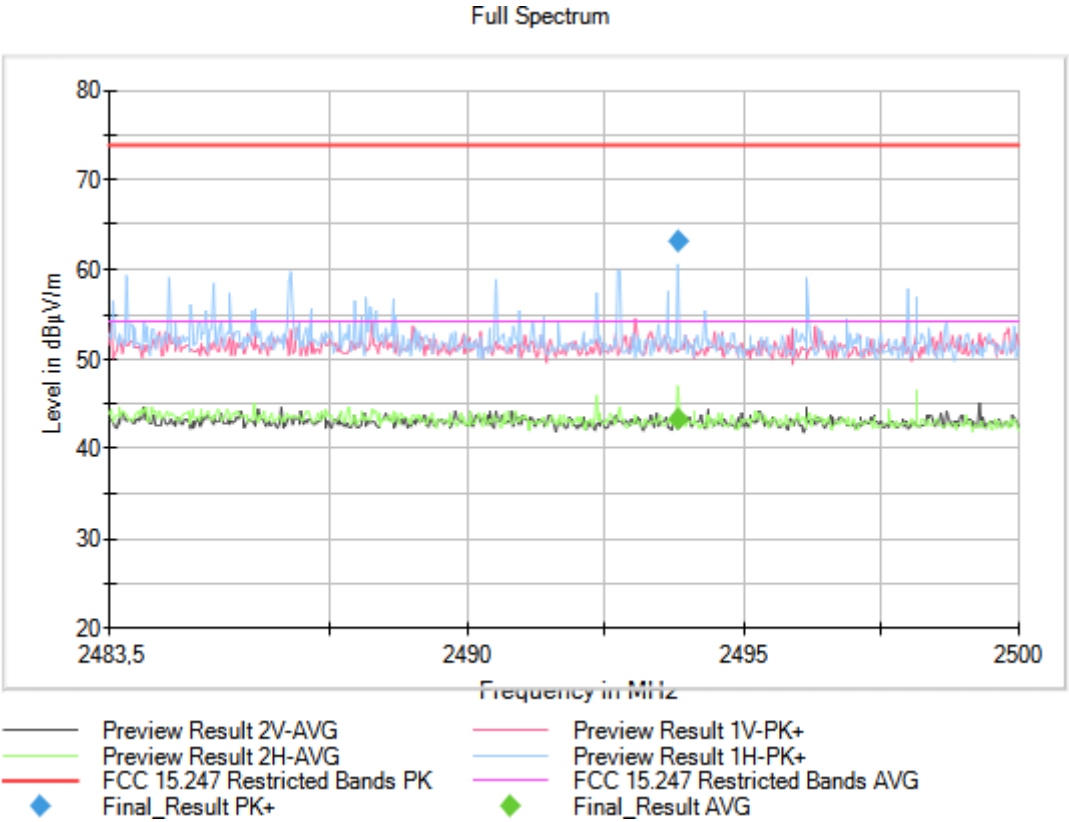
Subcarrier Mode = SU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

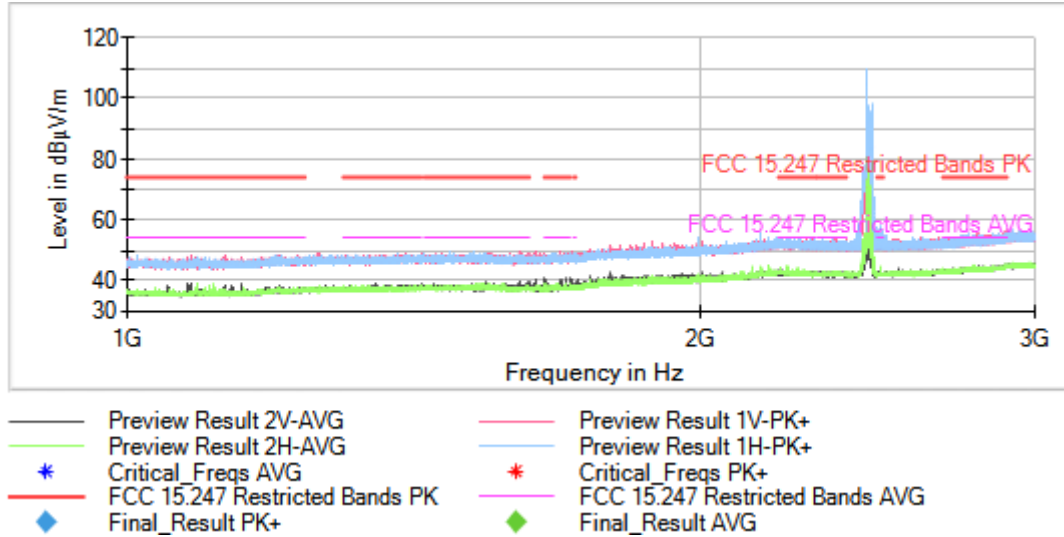
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2452.00000

Active Port = 1

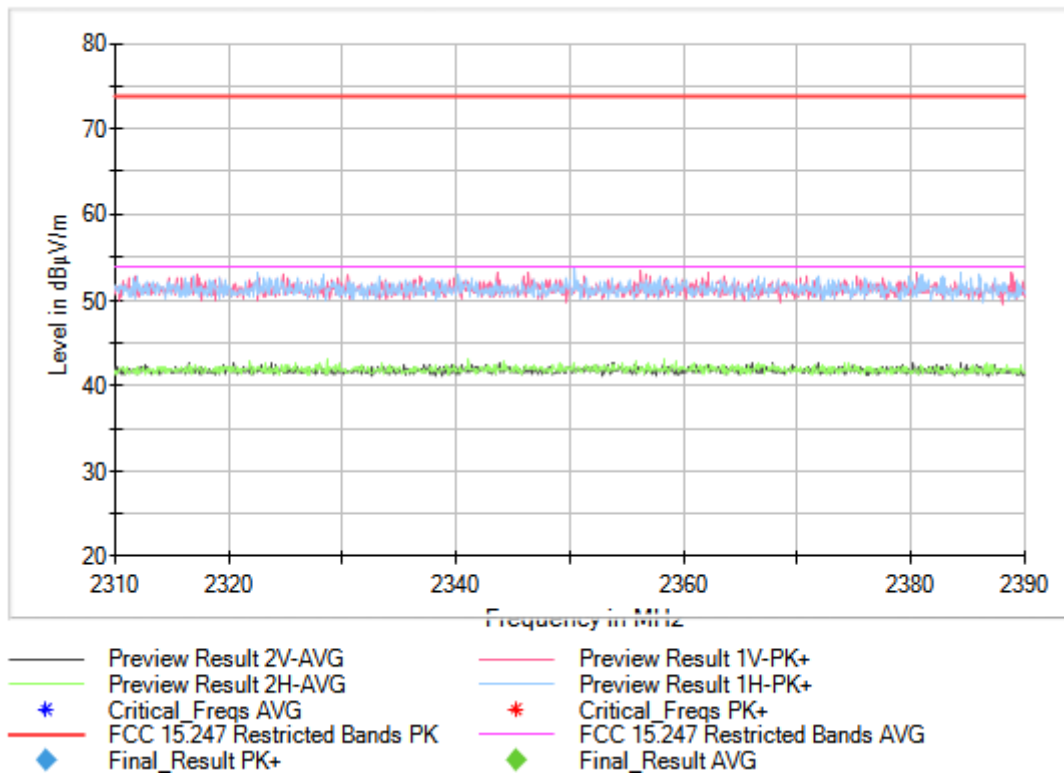
Modulation = 802.11ax HE40 (OFDMA MCS0)

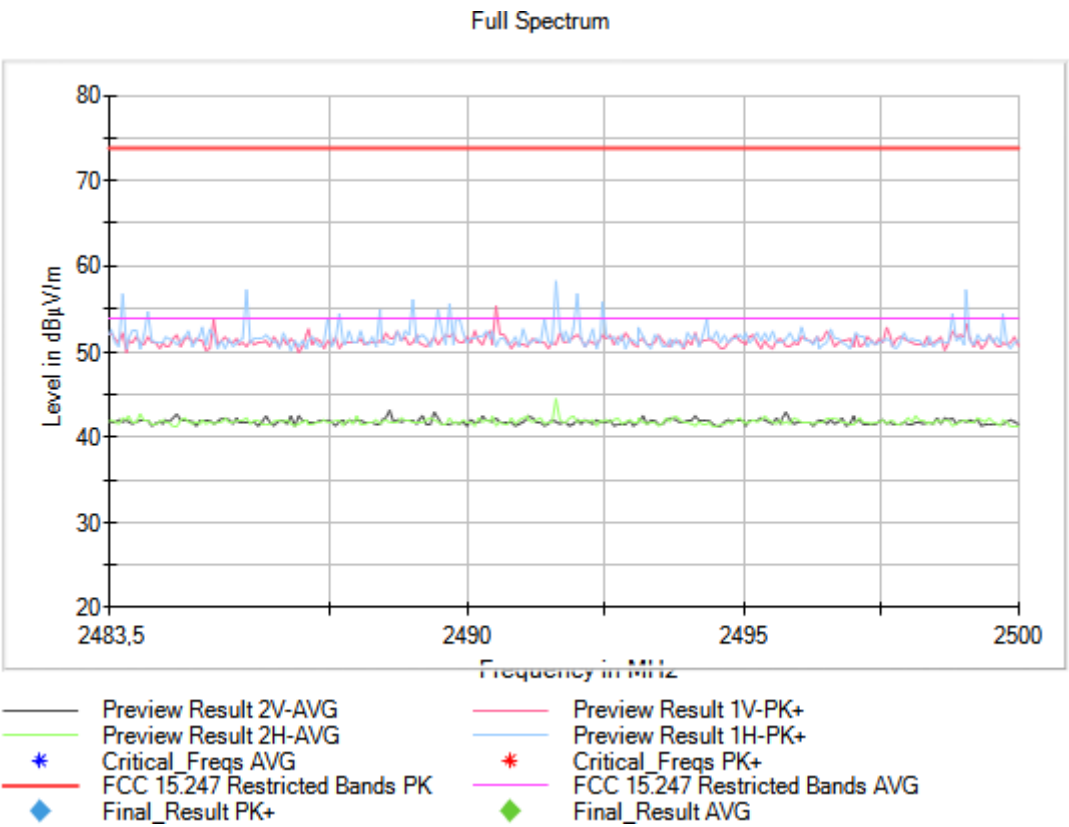
Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	66,667 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

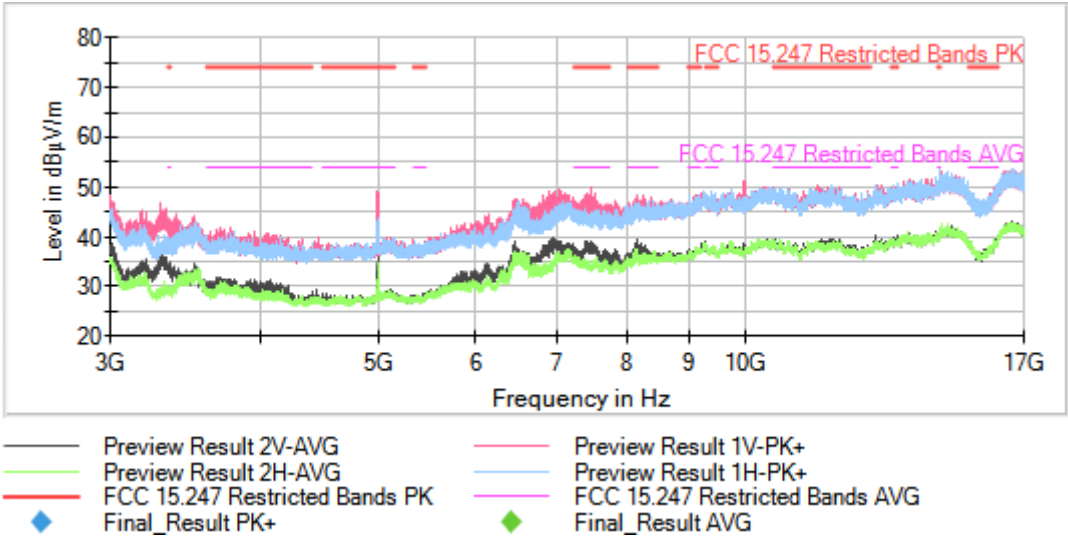
Frequency MHz = 2422.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0)

Subcarrier Mode = SU

Images:



Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

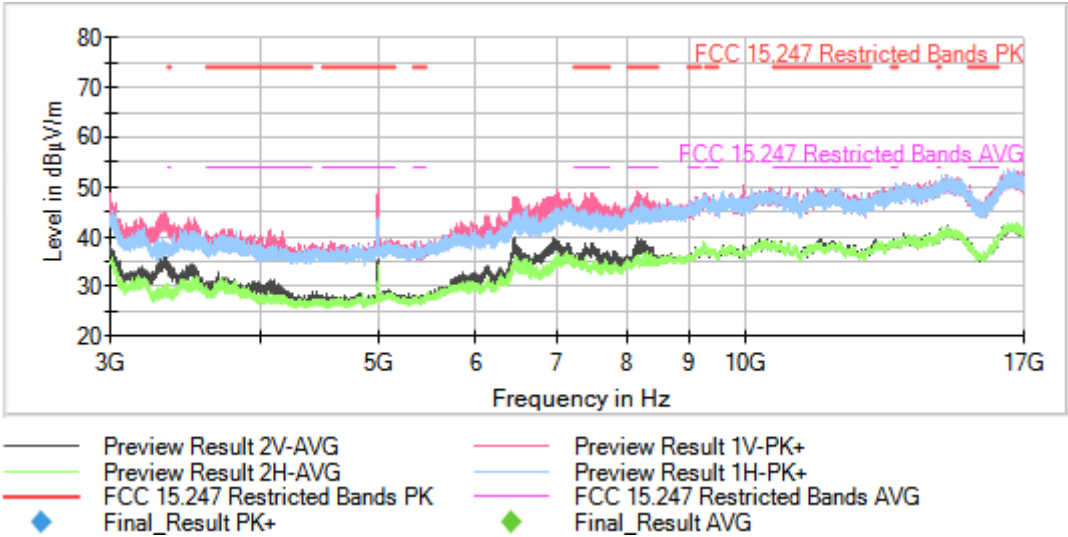
Frequency MHz = 2422.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0)

Subcarrier Mode = RU

Images:



Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

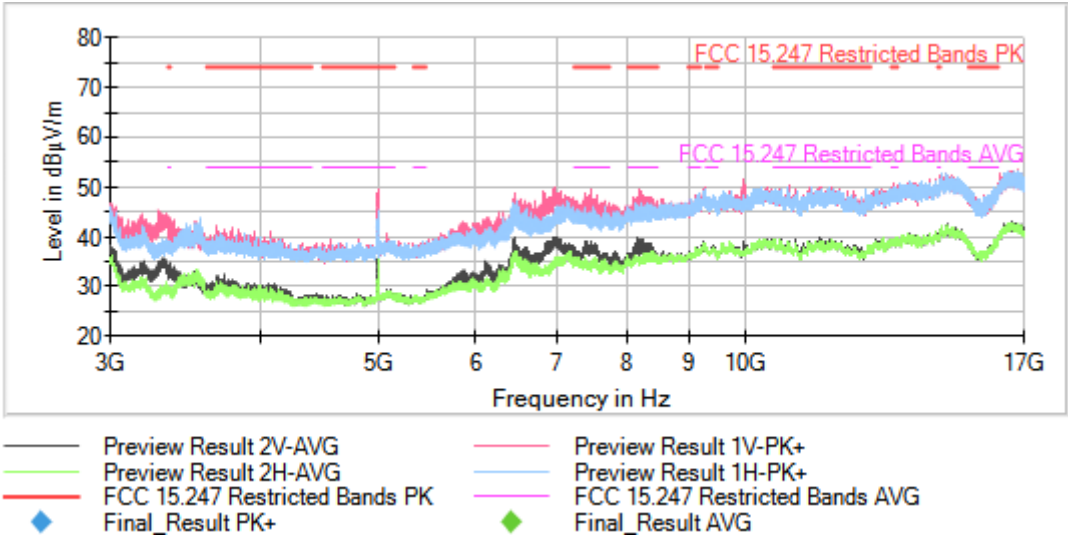
Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0)

Subcarrier Mode = SU

Images:



Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

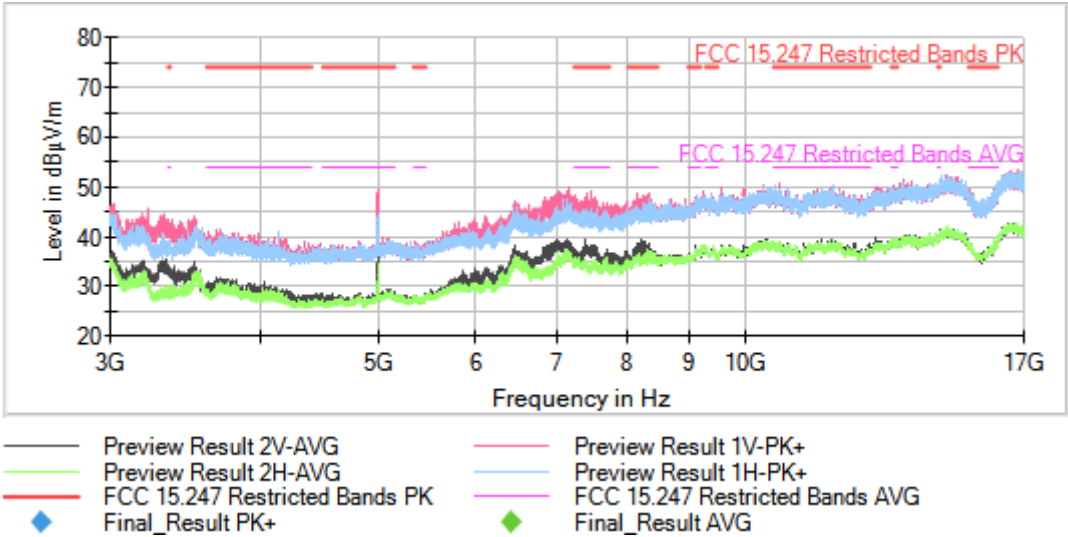
Frequency MHz = 2437.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0)

Subcarrier Mode = RU

Images:



Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

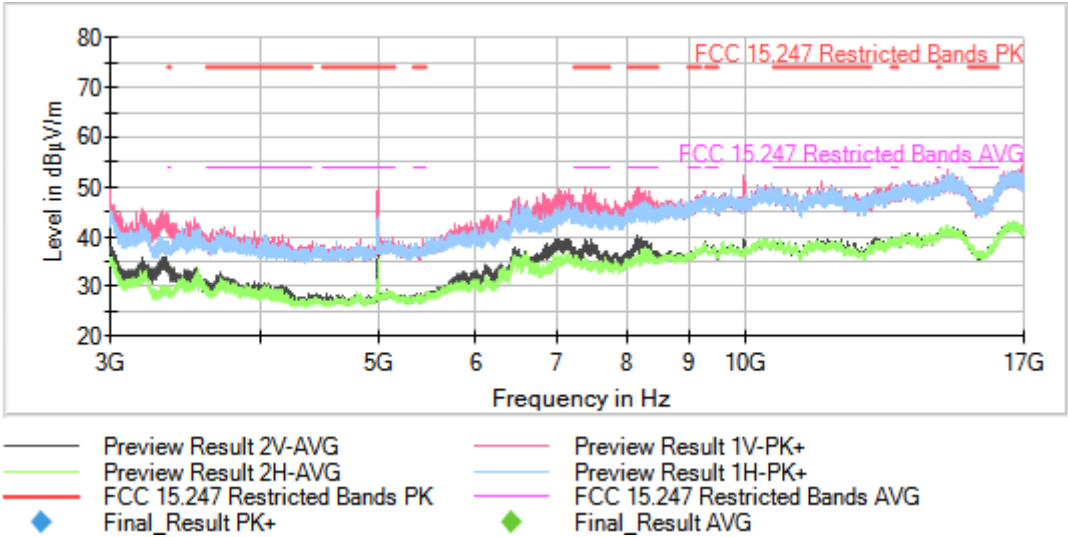
Frequency MHz = 2452.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0)

Subcarrier Mode = SU

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

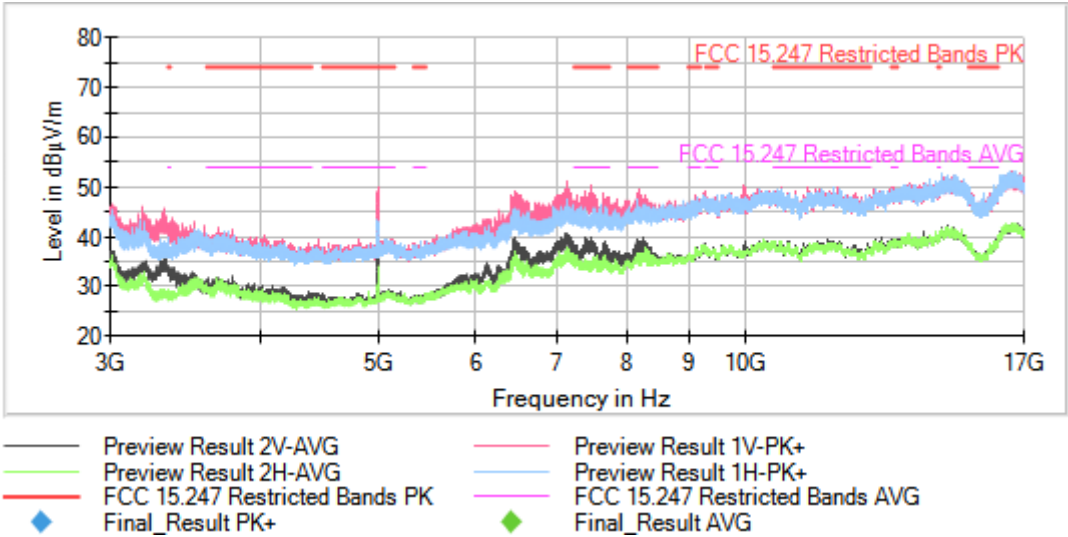
Frequency MHz = 2452.00000

Active Port = 1

Modulation = 802.11ax HE40 (OFDMA MCS0)

Subcarrier Mode = RU

Images:



Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

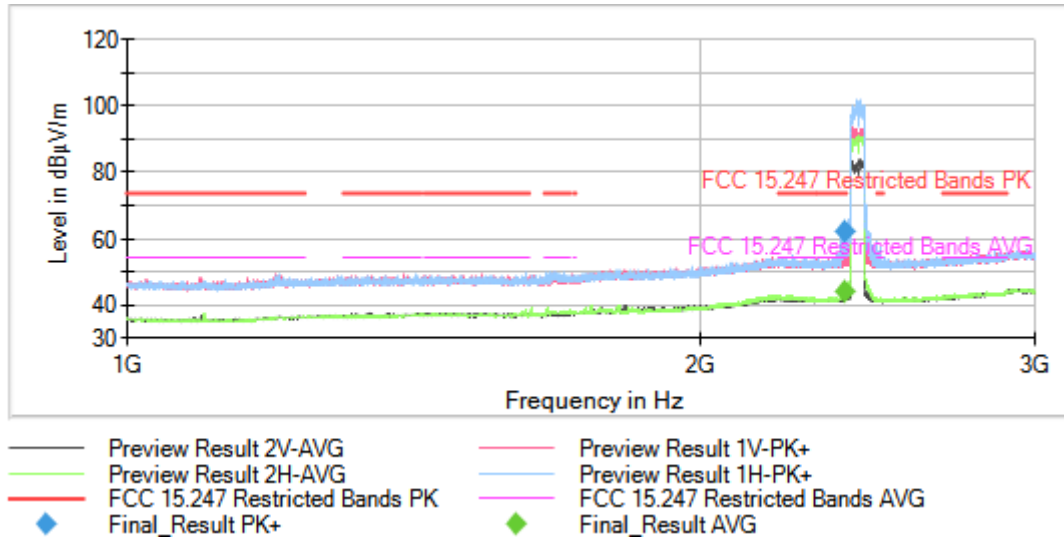
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2422.00000

Active Port = 1+2

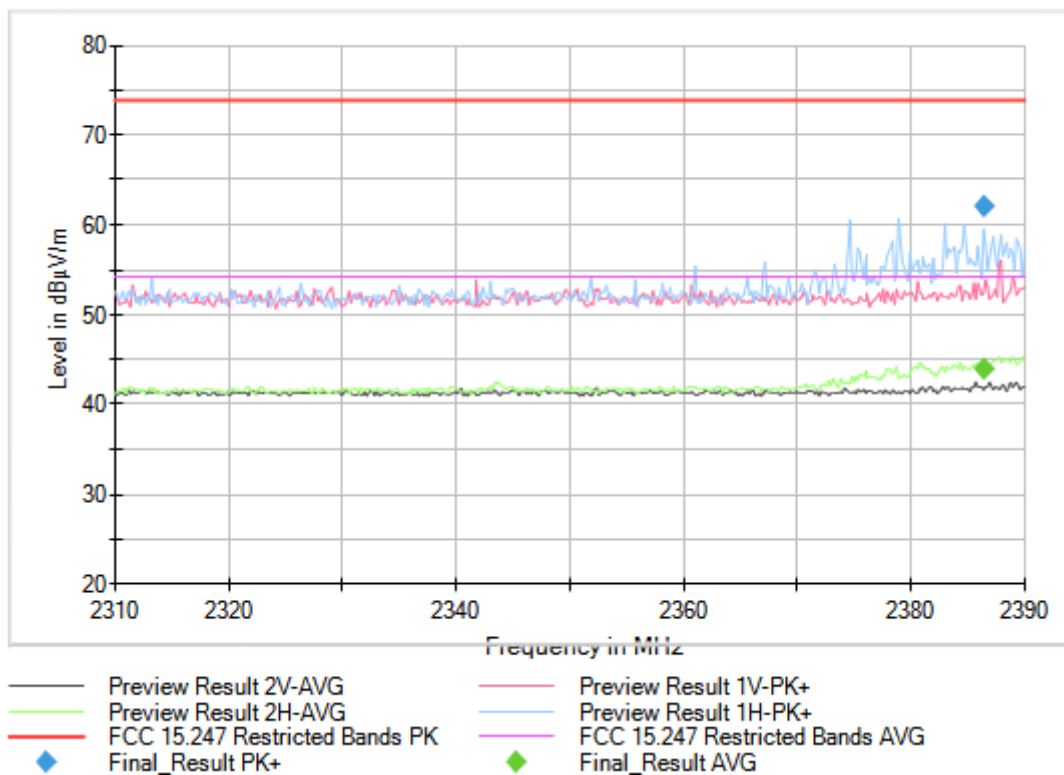
Modulation = 802.11ax HE40 (OFDMA MCS0)

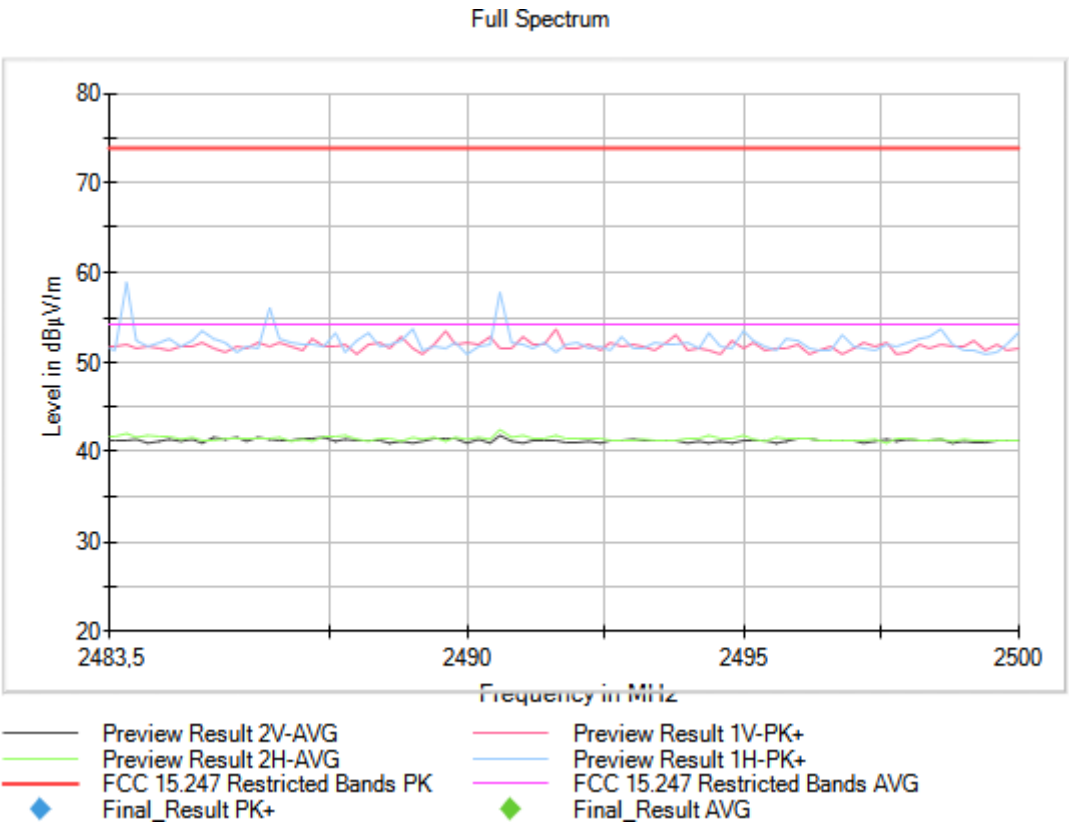
Subcarrier Mode = SU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

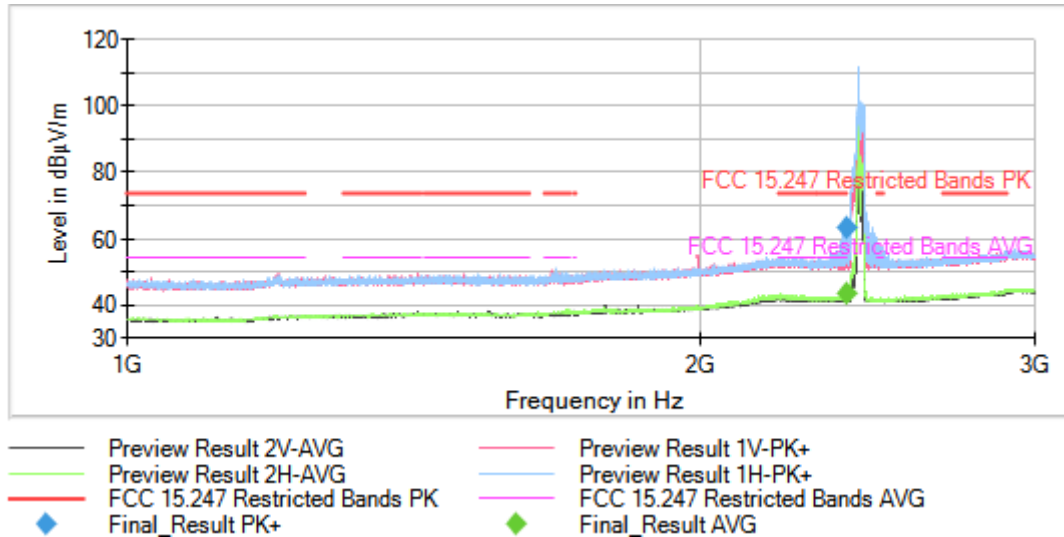
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2422.00000

Active Port = 1+2

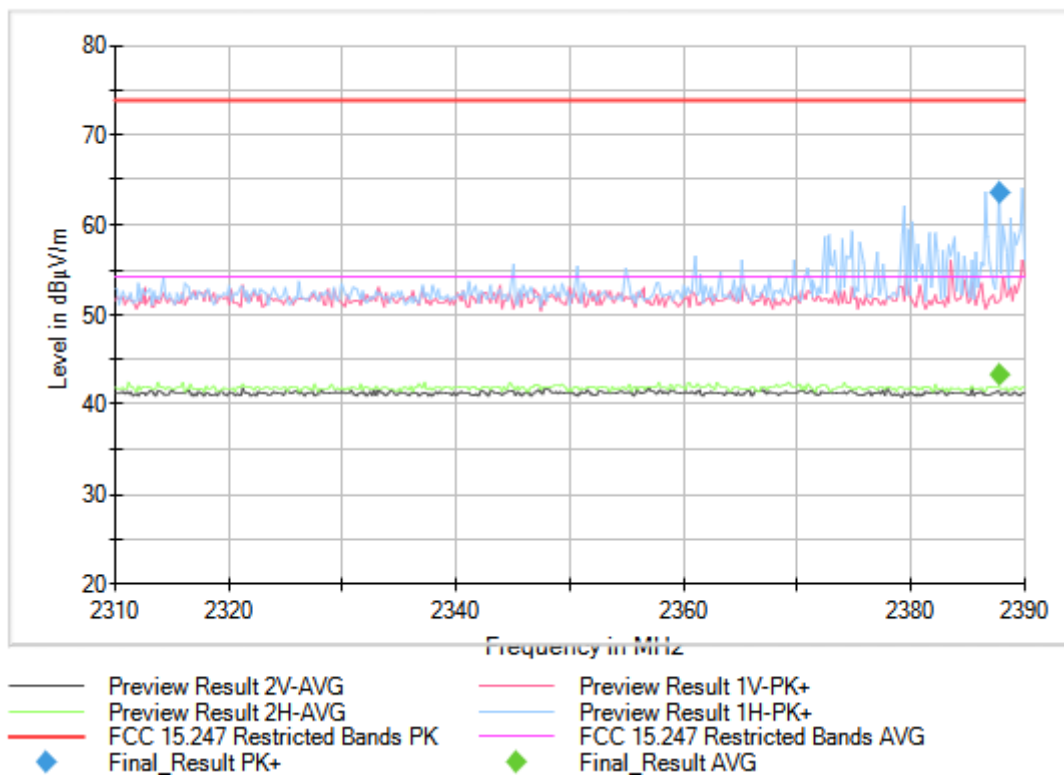
Modulation = 802.11ax HE40 (OFDMA MCS0)

Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

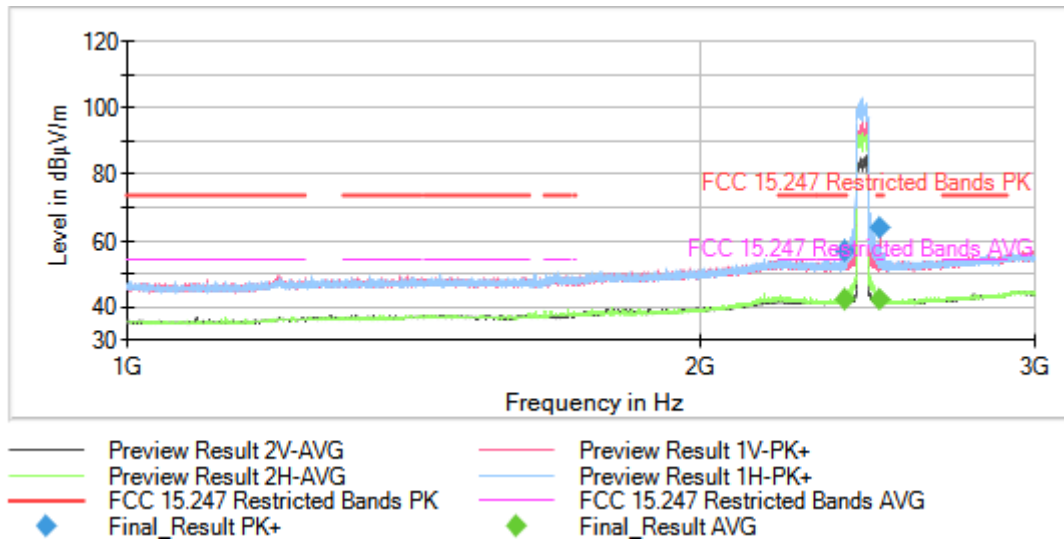
Frequency MHz = 2437.00000

Active Port = 1+2

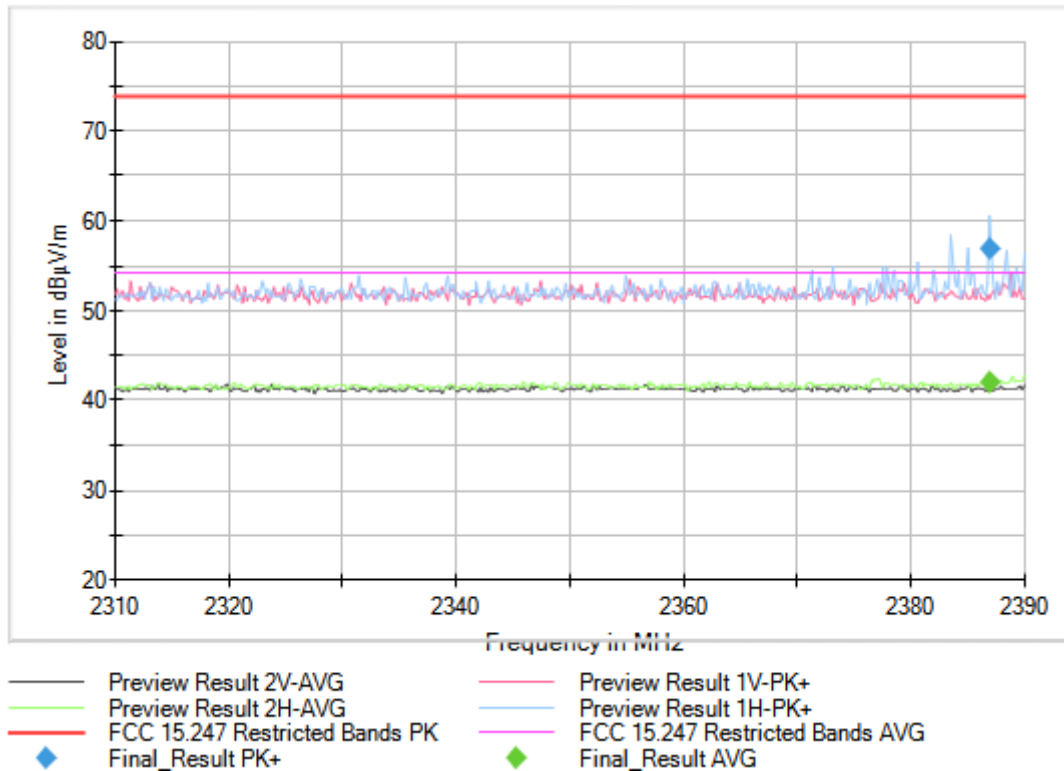
Modulation = 802.11ax HE40 (OFDMA MCS0)

Subcarrier Mode = SU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

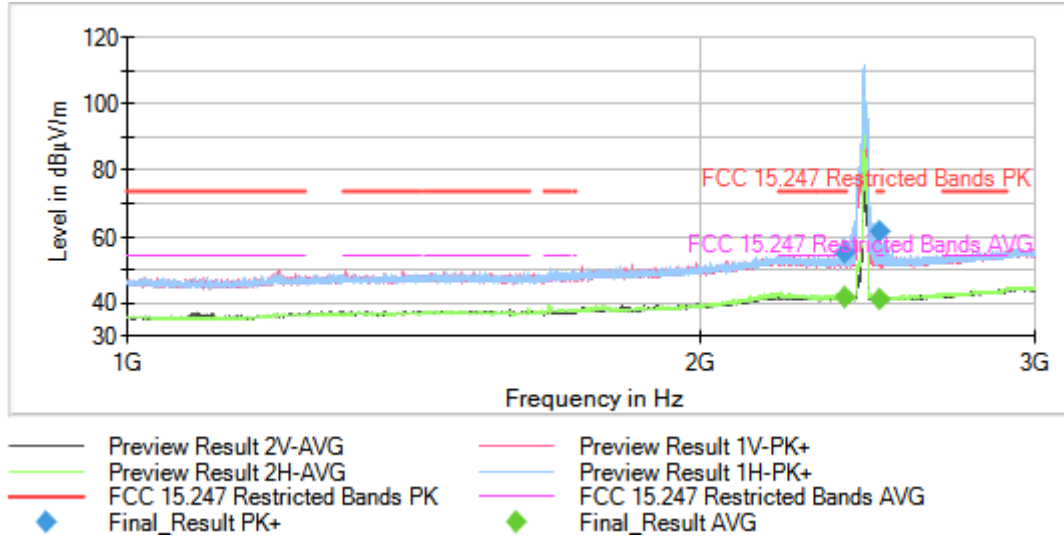
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2437.00000

Active Port = 1+2

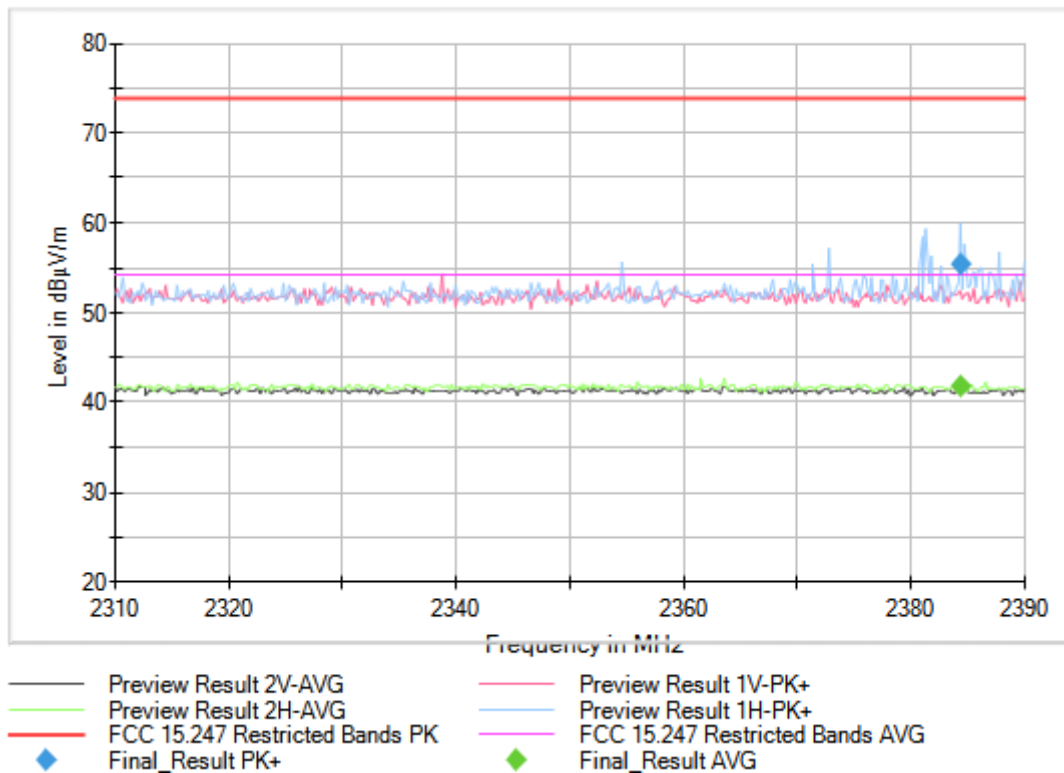
Modulation = 802.11ax HE40 (OFDMA MCS0)

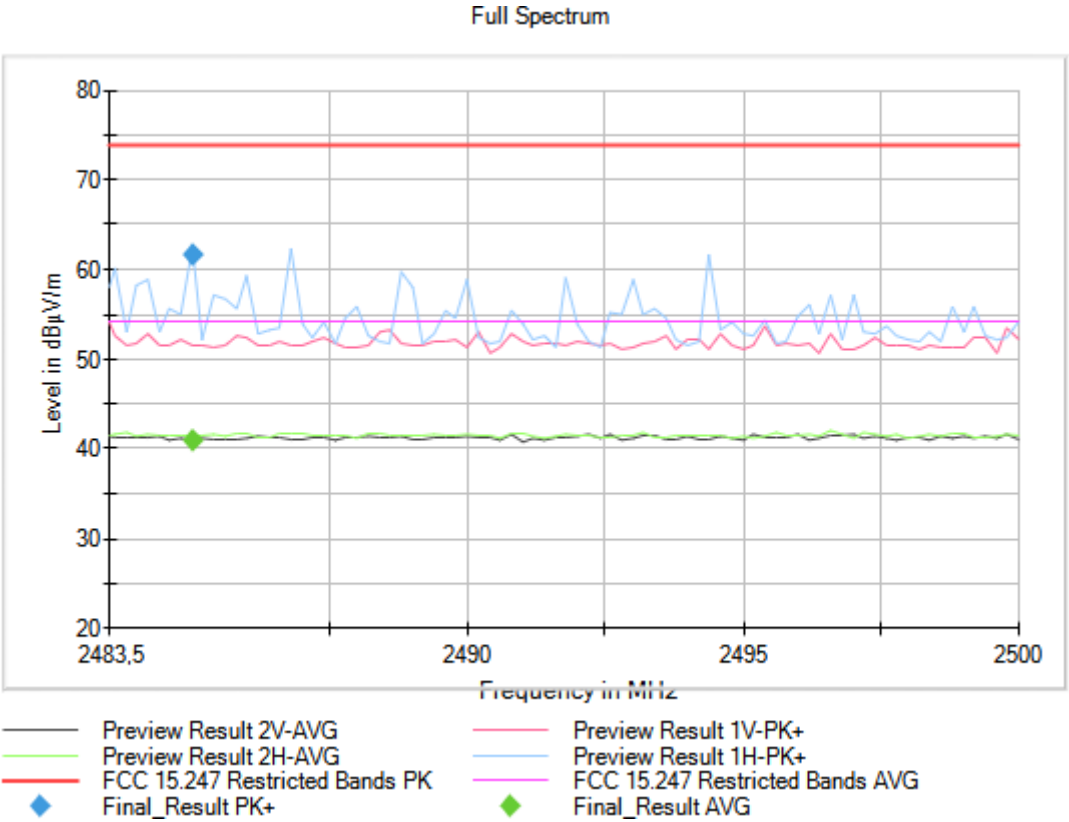
Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

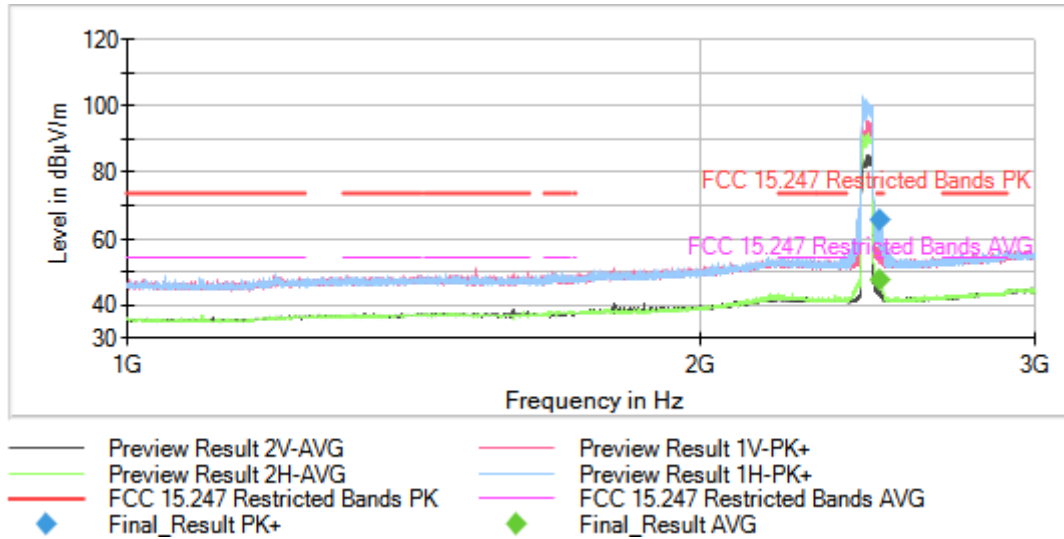
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2452.00000

Active Port = 1+2

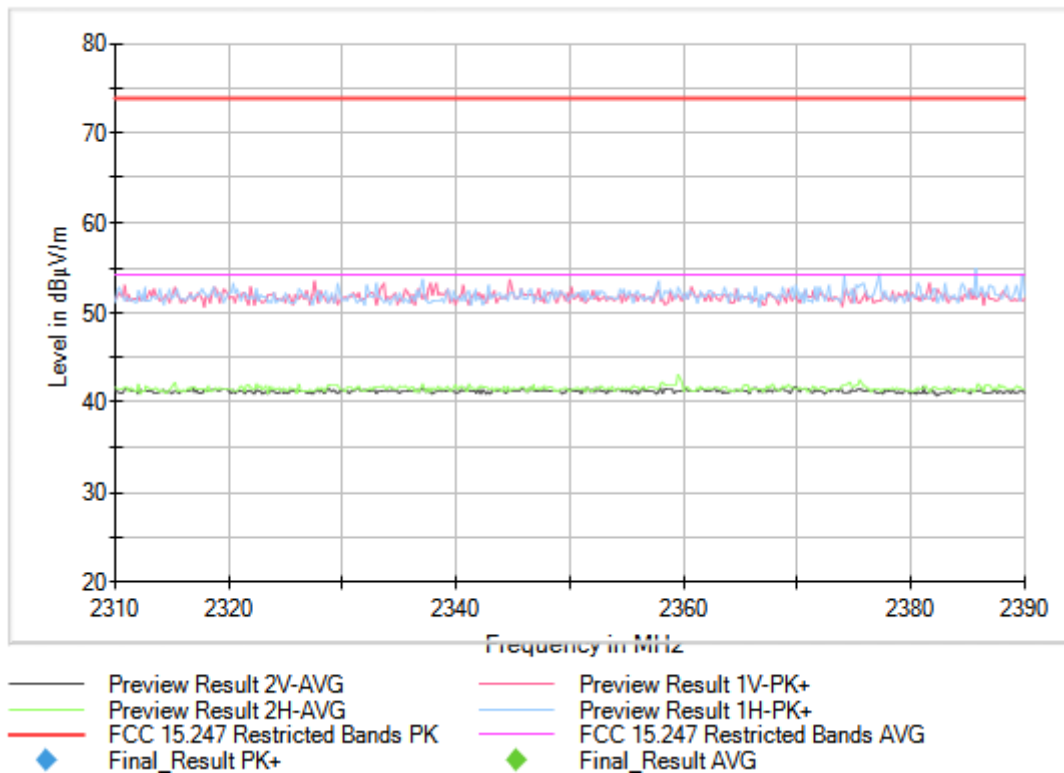
Modulation = 802.11ax HE40 (OFDMA MCS0)

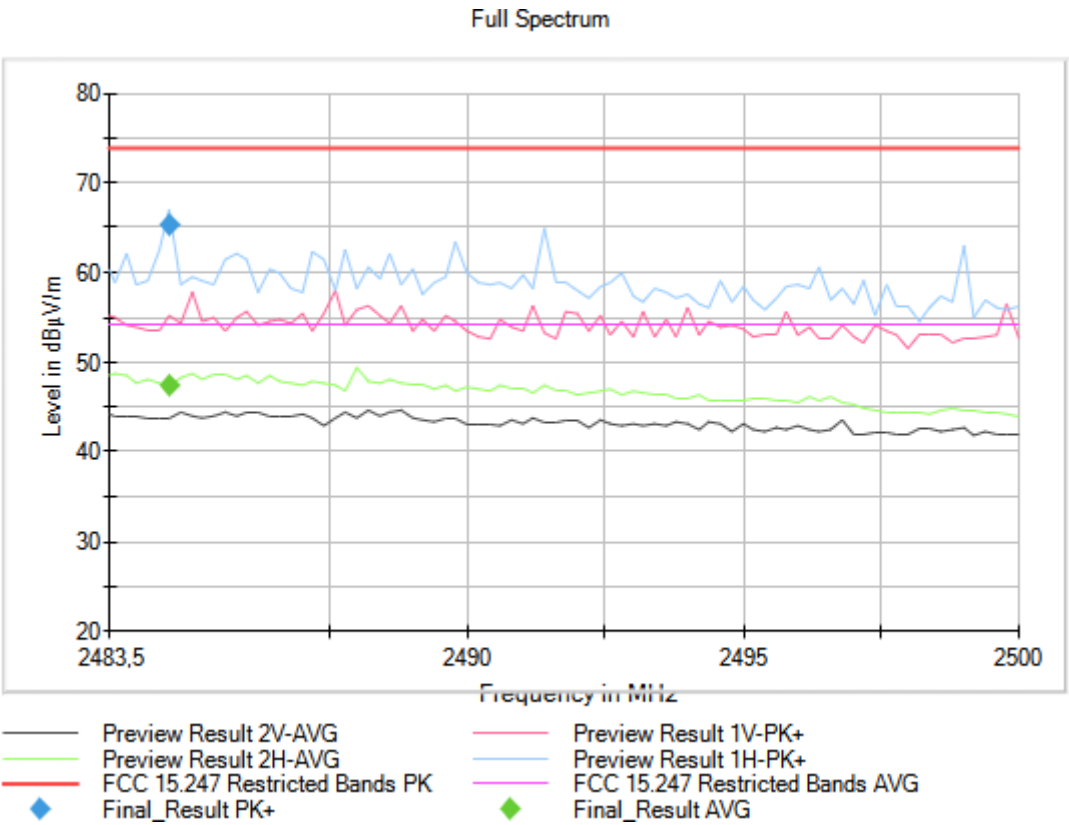
Subcarrier Mode = SU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

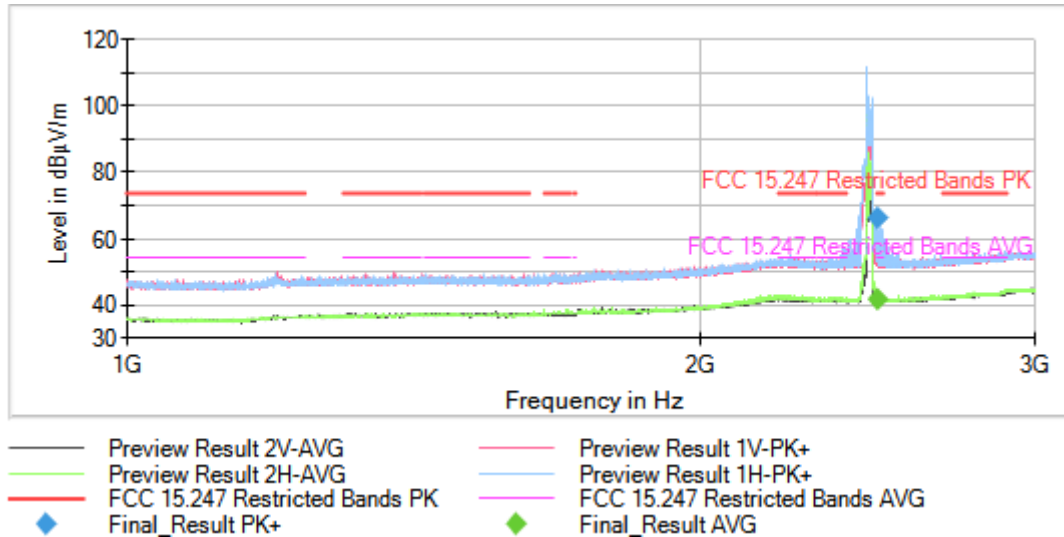
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2452.00000

Active Port = 1+2

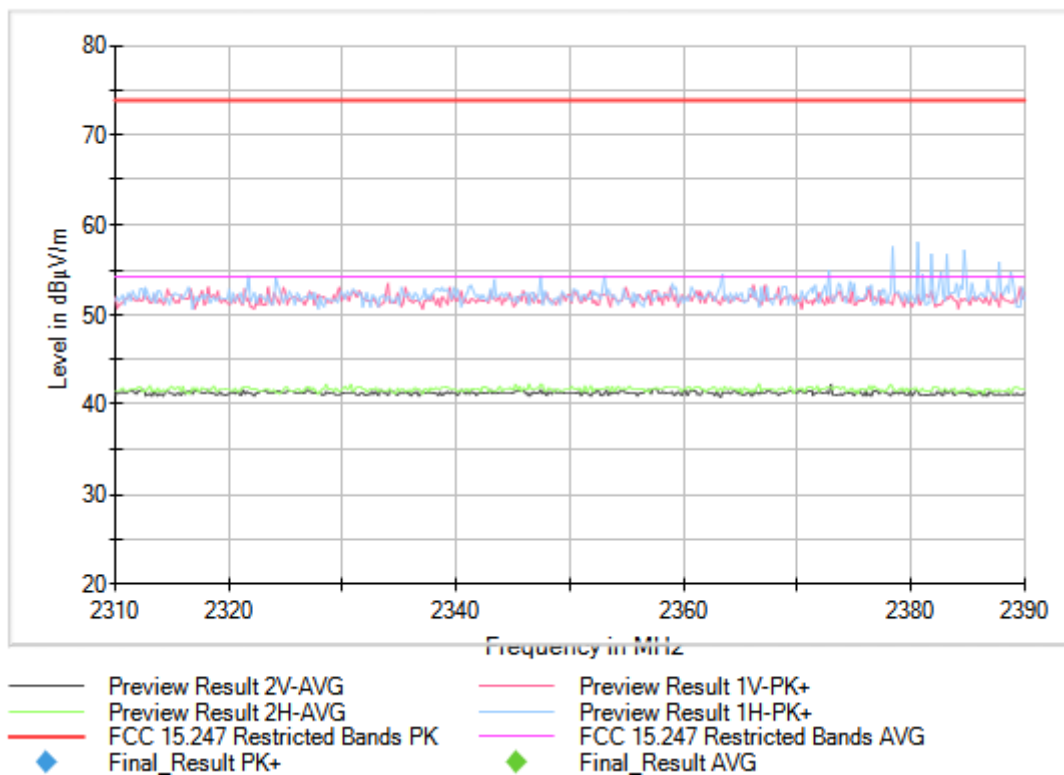
Modulation = 802.11ax HE40 (OFDMA MCS0)

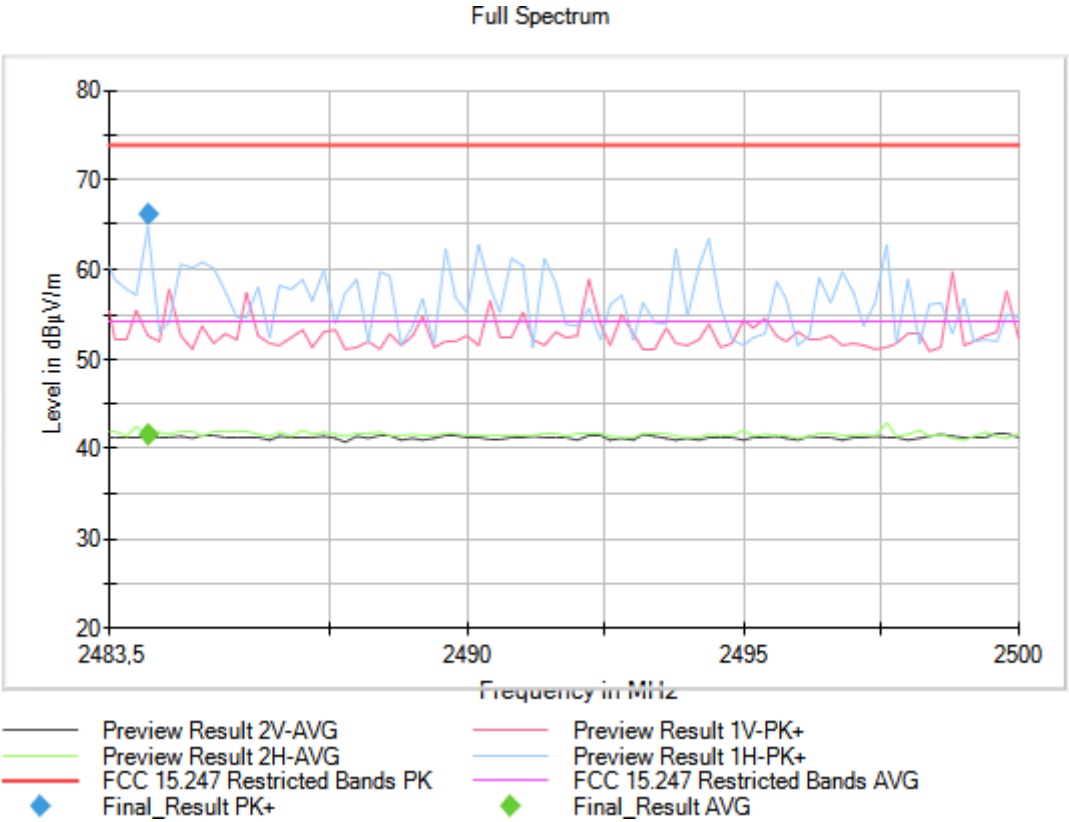
Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB

Frequency Range GHz = [3, 17]

Equipment Type = Digital Transmission System (DTS)

Modulation = 802.11ax HE40 (OFDMA MCS0)

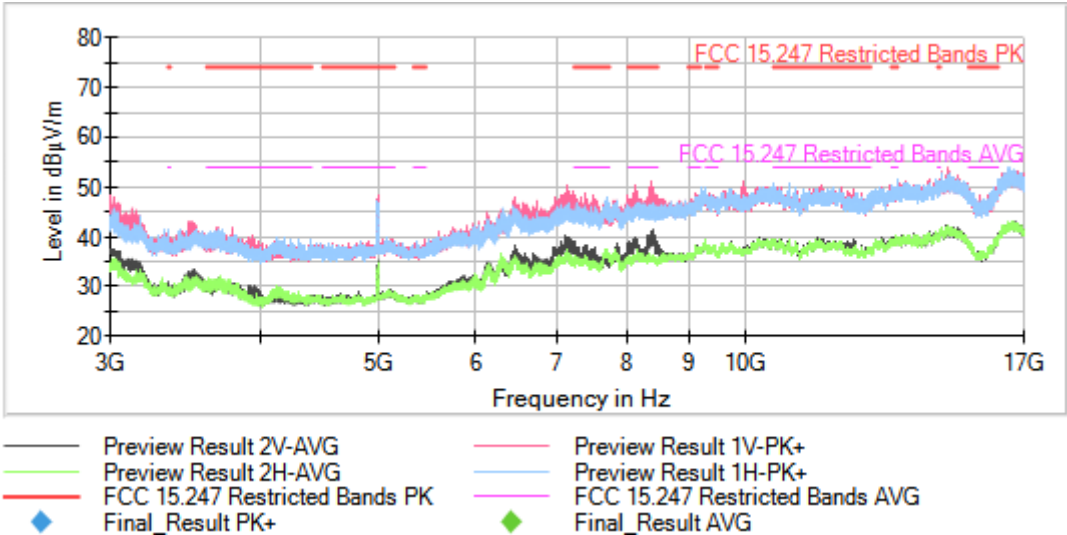
Operation Band MHz = [2400, 2483.5]

Frequency MHz = 2422.00000

Active Port = 1+2

Subcarrier Mode = SU

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Equipment Type = Digital Transmission System (DTS)

Modulation = 802.11ax HE40 (OFDMA MCS0)

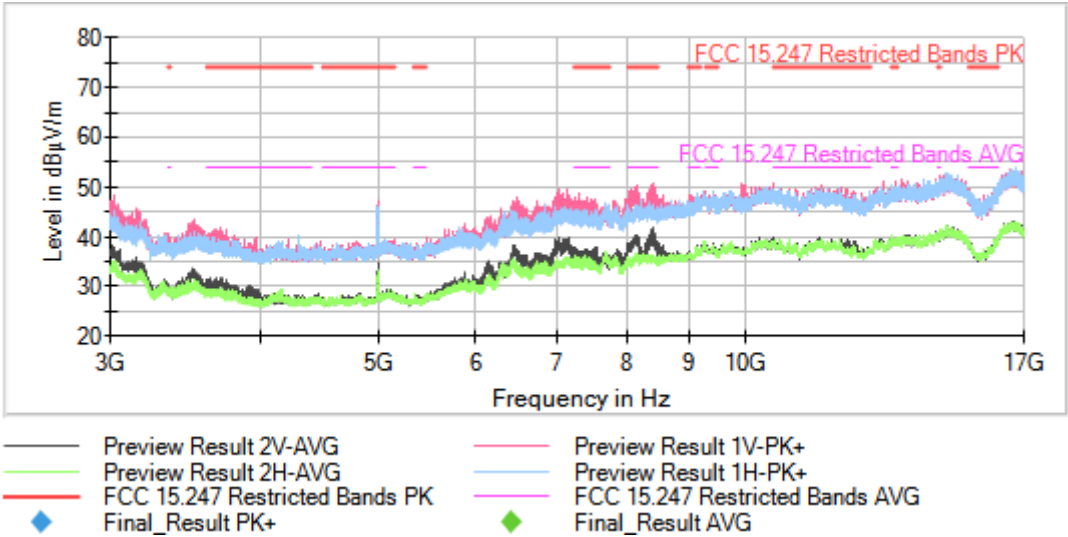
Operation Band MHz = [2400, 2483.5]

Frequency MHz = 2422.00000

Active Port = 1+2

Subcarrier Mode = RU

Images:



Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

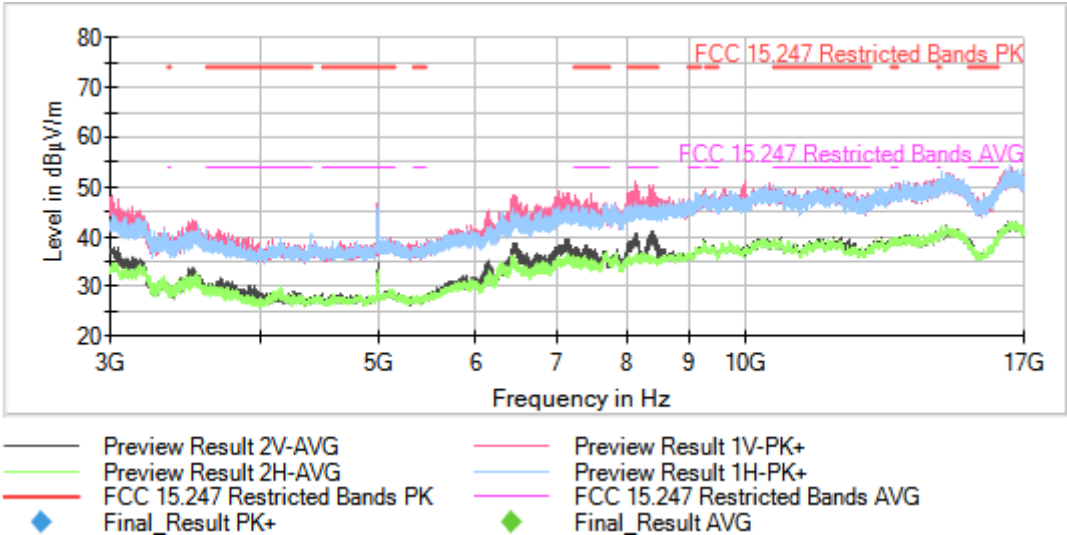
Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0)

Subcarrier Mode = SU

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

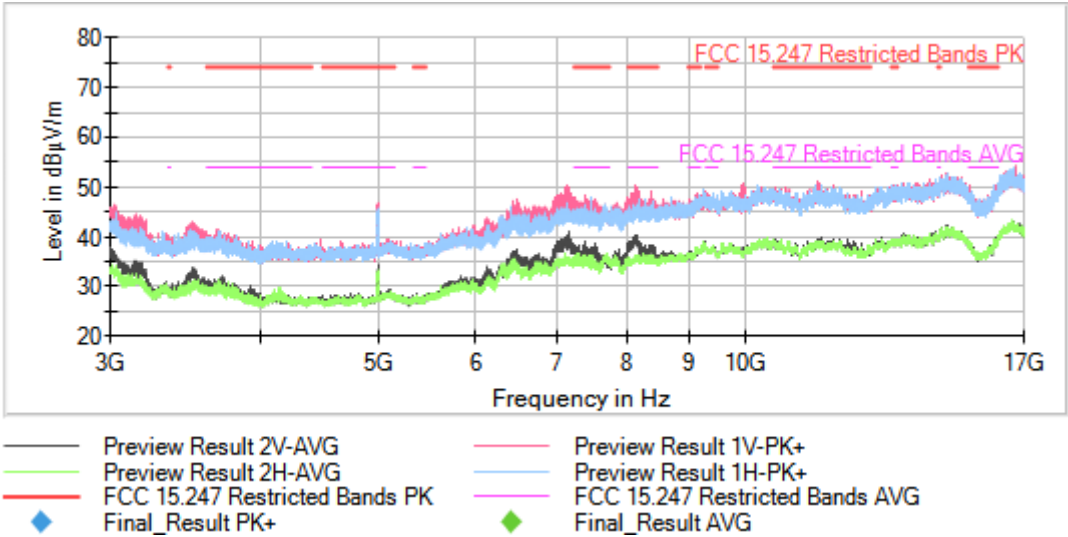
Frequency MHz = 2437.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0)

Subcarrier Mode = RU

Images:



Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

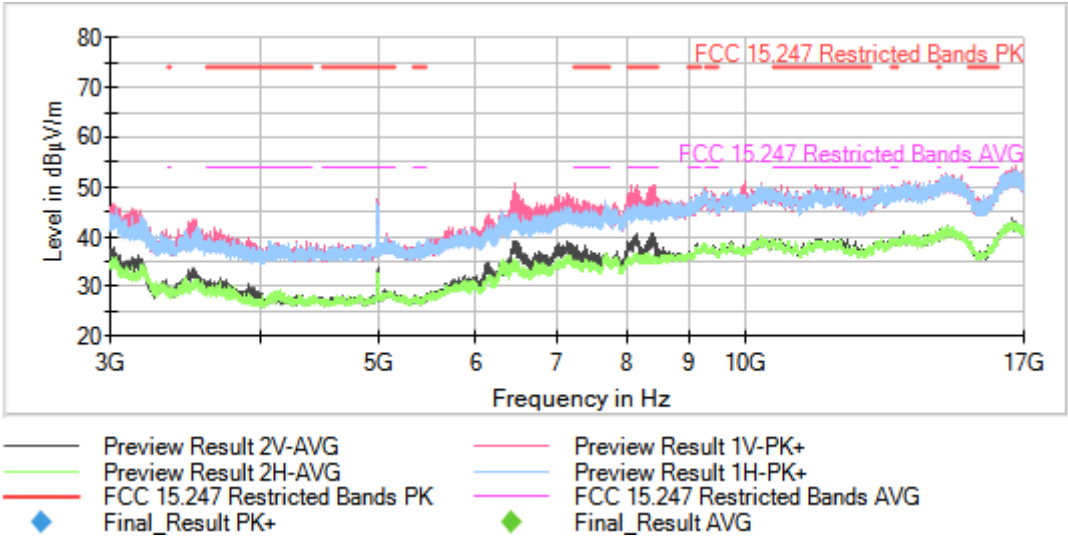
Frequency MHz = 2452.00000

Active Port = 1+2

Modulation = 802.11ax HE40 (OFDMA MCS0)

Subcarrier Mode = SU

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [3, 17]

Operation Band MHz = [2400, 2483.5]

Equipment Type = Digital Transmission System (DTS)

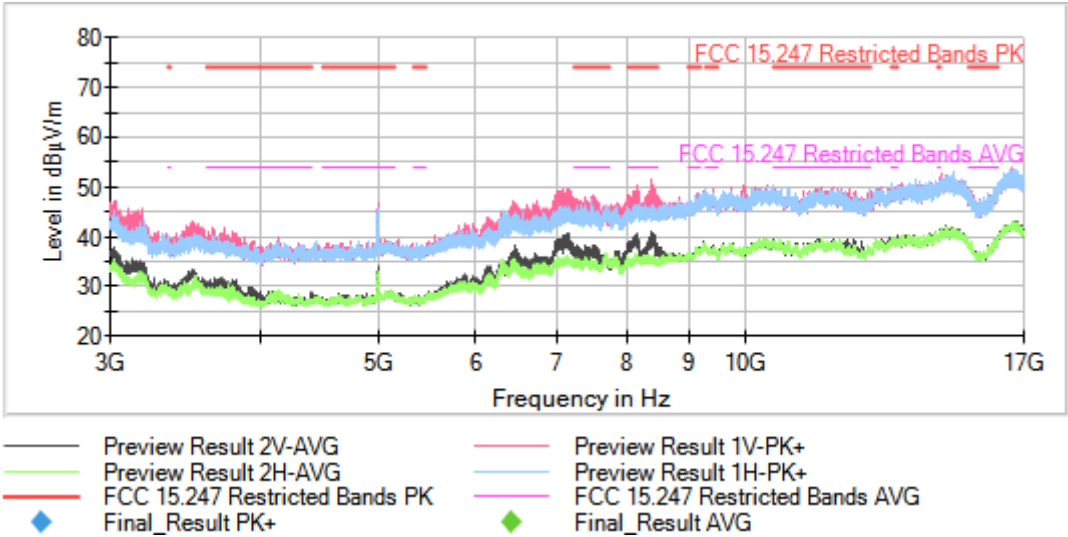
Frequency MHz = 2452.00000

Modulation = 802.11ax HE40 (OFDMA MCS0)

Active Port = 1+2

Subcarrier Mode = RU

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	3 GHz - 17 GHz	466,667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Attachments

Frequency Range GHz = [1, 3]

Operation Band MHz = [2400, 2483.5]

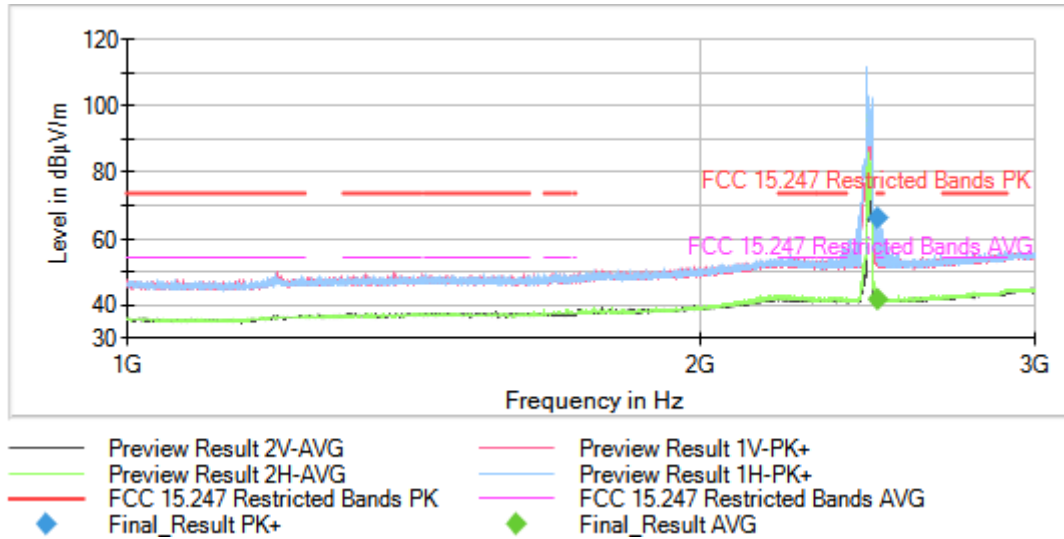
Equipment Type = Digital Transmission System (DTS) Frequency MHz = 2452.00000

Active Port = 1+2

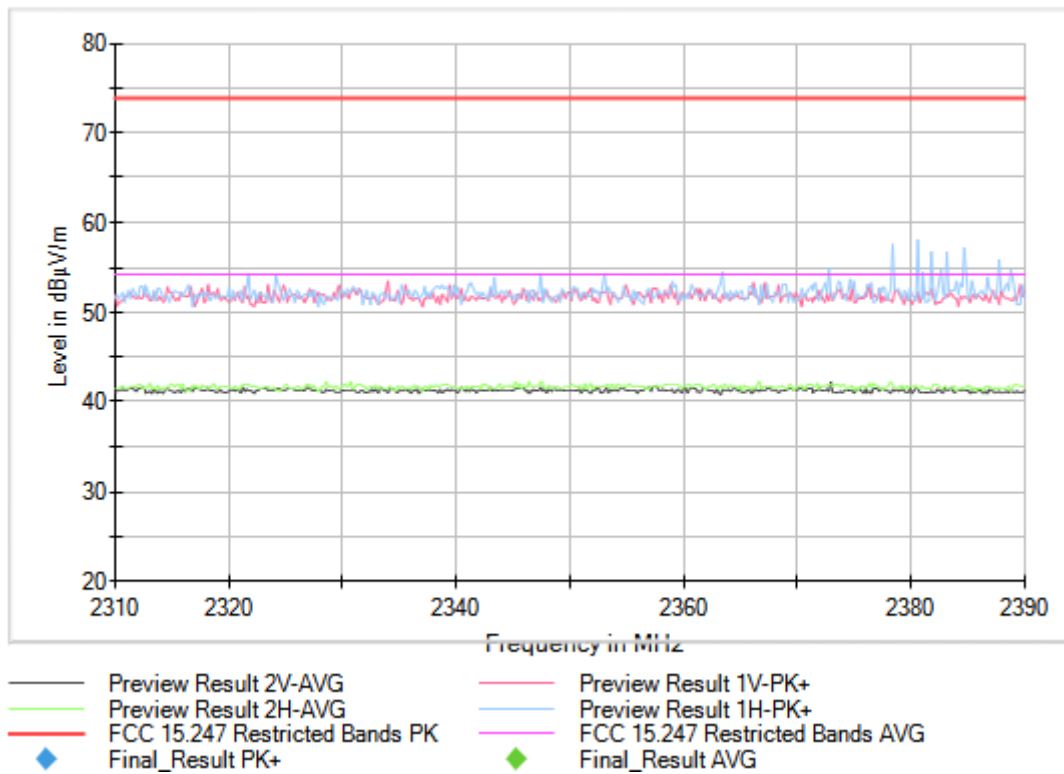
Modulation = FM

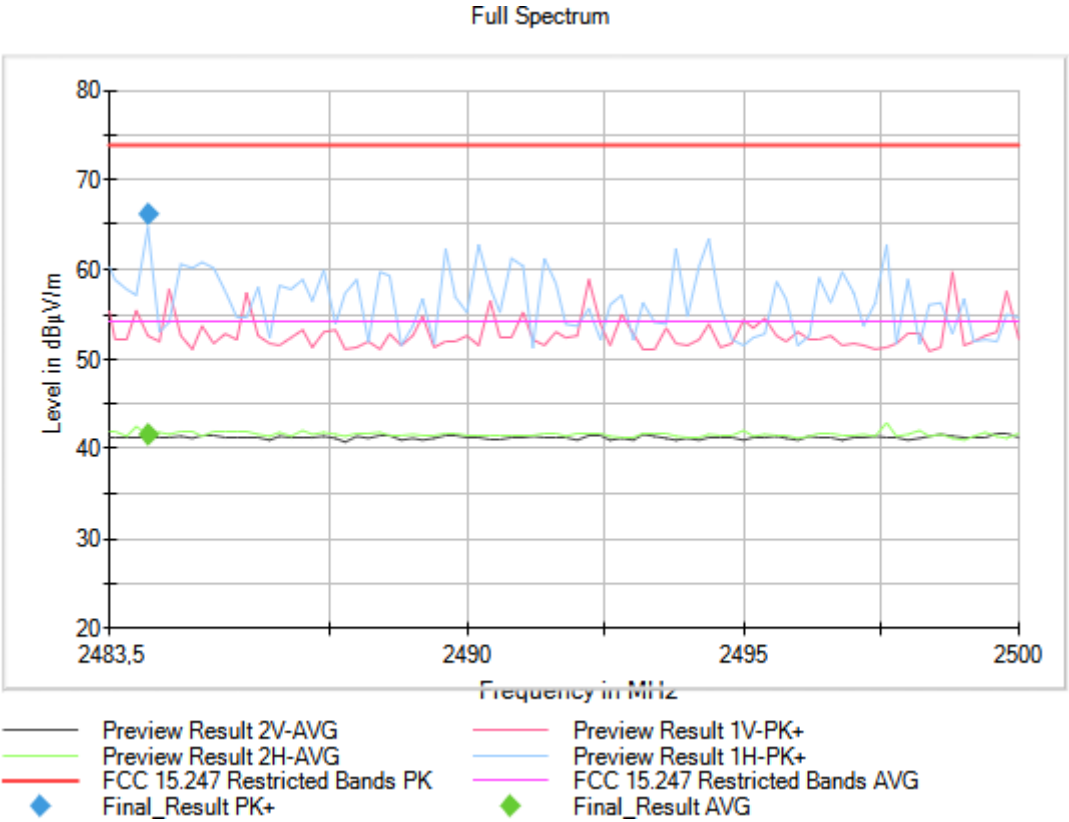
Subcarrier Mode = RU

Images:



Full Spectrum





Tables:
Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESW 44]					
	1 GHz - 3 GHz	200 kHz	PK+ ; AVG	1 MHz	1 s	20 dB