DEKRA Testing and Certification, S.A.U.
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C.I.F. A29507456

ISED CABid: ES1909

Lab. Company Number: 4621A

Test Report No:
74067RRF.001A2

Partial Test Report

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

(*) Identification of item tested	Audio Controller
(*) Trademark	IDNEO
(*) Model and /or type reference	TUX BLUETOOTH
Other identification of the product	FCC ID: 2BGE31TUX0624 IC: 32504-1TUX0624
(*) Features	Features: Bluetooth BR/EDR HW version: Sample B3 SW version: 3.6.11
Applicant	IDNEO Technologies, S.A.U Carrer Rec de Dalt, 3 08100 Mollet del Vallès, BARCELONA. SPAIN
Test method requested, standard	USA FCC Part 15.247 (10-1-21 Edition): Operation within the bands 902 - 928 MHz, 2400 -2483.5 MHz, and 5725 - 5850 MHz. USA FCC Part 15.209 (10-1-21 Edition): Radiated emission limits; general requirements. CANADA RSS-247 Issue 2 (February 2017). 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 C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.
Approved by (name / position & signature)	José Manuel Gómez Galván EMC Consumer & RF Lab. Manager Firmado digitalmente por 53680346W JOSE MANUEL GOMEZ (C:A29507456)
Date of issue	2025-04-25
Report template No	FDT08_24 (*) “Data provided by the client”

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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
Mode	MIMO Mode
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.

DEKRA Testing and Certification S.A.U. is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

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.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
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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 ≤ ± 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 ≤ ± 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 ≤ ± 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 an Audio Controller. The TUX Controller is a general purpose Linux-based controller that operates system-level functions such as audio and speech processing and BT interfaces.

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.

Usage of samples

Samples undergoing test have been selected by: The client.

Id	Control Number	Description	Model	Serial Nº	Date of Reception	Application
S/01	74067_1.1	Audio Controller	TUX BLUETOOTH	23146-00398	2023-08-22	Element Under Test
S/01	74067_2.1	Resistance loads	--	--	2023-08-22	Auxiliary Element
S/01	74067_3.1	Resistance loads	--	--	2023-08-22	Auxiliary Element
S/01	74067_4.1	Resistance loads	--	--	2023-08-22	Auxiliary Element
S/01	74067_13.1	Clyclops bench 5cm	--	--	2023-08-22	Auxiliary Element
S/01	74067_14.1	Antenna	--	--	2023-08-22	Auxiliary Element
S/01	74067_16.1	Harness	--	--	2023-08-22	Auxiliary Element
S/01	74067_17.1	Power cable	--	--	2023-08-22	Auxiliary Element
S/01	74067_18.1	Power cable	--	--	2023-08-22	Auxiliary Element
S/01	74067_20.1	Harness	--	--	2023-08-22	Auxiliary Element

Notes referenced to samples during the project:

Id	Type
S/01	Sample used for testing

Test sample description

Ports…… :	Port name and description	Cable				
		Specified max length [m]	Attached during test	Shielded	Coupled to patient(3)	
	Ethernet		[X]	[ ]	[ ]	
	A2B		[X]	[ ]	[ ]	
	Speakers		[X]	[ ]	[ ]	
	--		[ ]	[ ]	[ ]	
Supplementary information to the ports…… :	--					
Rated power supply .....:	Voltage and Frequency		Reference poles			
			L1	L2	L3	N	PE
	[ ]	AC:	[ ]	[ ]	[ ]	[ ]	[ ]
	[X]	DC: 12V					
Rated Power .....:	--						
Clock frequencies.....:	I2S=3.072MHz, TDM=12.288MHz, A2B=48MHz, DDR4 = 4267MHz, eMMC=400MHz						
Other parameters .....:	DCDC=2.2MHz, 100BaseT1=100MHz, RGMII=125MHz, SPI = 1MHz, I2C=100kHz						
Software version .....:	3.6.11						
Hardware version .....:	Sample B3						
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 Component					
Modules/parts.....:	Module/parts of test item		Type	Manufacturer		
	ENW89823C4KF		Bluetooth	Panasonic		
	R8A77960JBR1BG		Microcontroller	Renesas		
	--					
Accessories (not part of the test item) .....:	Description		Type	Manufacturer		
	--					
Documents as provided by the applicant.....:	Description		File name	Issue date		
	--					

(3) Only for Medical Equipment

Identification of the client

IDNEO Technologies, S.A.U
Carrer Rec de Dalt, 3
08100 Mollet del Vallès, BARCELONA. SPAIN

Testing period and place

Test Location	DEKRA Testing and Certification S.A.U.
Date (start)	2023-09-12
Date (finish)	2023-09-13

Document history

Report number	Date	Description
74067RRF.001	2023-10-02	First release.
74067RRF.001A1	2025-03-12	Second release. Modification due to a typo regarding the FCC ID / IC code. This report replaces and cancels the report 74067RRF001
74067RRF.001A2	2025-04-25	Third release. Additional aclaration added. This report replaces and cancels the report 74067RRF001A1

Environmental conditions

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

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

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

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

Remarks and comments

The tests have been performed by the technical personnel: Alvaro Gutierrez Naranjo and Valentin Andarias Diaz.

Used instrumentation:

Control No.	Equipment	Model	Manufacturer	Next Calibration
4825	SEMIANECHOIC ABSORBER LINED CHAMBER	FACT 3 200 STP	ETS LINDGREN	N/A
4826	SHIELDED ROOM	S101	ETS LINDGREN	N/A
4578	HYBRID BILOG ANTENNA 30MHz-6GHz	3142E	ETS LINDGREN	2026-06-01
4611	HORN ANTENNA 1-18GHz	BBHA 9120 D	SCHWARZBECK MESS-ELEKTRONIK	2026-01-16
4657	HORN ANTENNA 18-40GHz	BBHA 9170	SCHWARZBECK	2026-06-12
6142	PRE-AMPLIFIER G>38dB 30MHz-6GHz	BLNA 0360-01N	BONN ELEKTRONIK	2024-06-28
5705	PRE-AMPLIFIER G>40dB 1-18 GHz	BLMA 0118-1M	BONN ELEKTRONIK	2024-07-26
8856	PRE-AMPLIFIER G>30dB 17-40GHz	BLMA 1840-4A	BONN ELEKTRONIK	2023-11-02
4716	SIGNAL AND SPECTRUM ANALYZER 2Hz-50GHz	FSW50	ROHDE AND SCHWARZ	2024-08-12
6165	EMI TEST RECEIVER 9kHz-7GHz	ESR7	ROHDE AND SCHWARZ	2023-11-08
4848	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

1. Bluetooth EDR:

FCC PART 15 / RSS-247			
Requirement – Test case		**Verdict**	**Remark**
15.247 (a)(1) / RSS-247 5.1 (b)	20 dB Bandwidth and Carrier frequency separation	N/M	(1)
15.247 (a)(1)(iii) / RSS-247 5.1 (d)	Number of hopping channels	N/M	(1)
15.247 (a)(1)(iii) / RSS-247 5.1 (d)	Time of occupancy (Dwell Time)	N/M	(1)
15.247 (b) / RSS-247 5.4 (b)	Maximum peak output power and antenna gain	N/M	(1)
15.247 (d) / RSS-247 5.5	Band-edge emissions compliance (Transmitter)	N/M	(1)
15.247 (d) / RSS-247 5.5	Emission limitations radiated (Transmitter)	P	--
Supplementary information and remarks: 1. Test not requested			

Appendix A: Test results. Bluetooth EDR

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RSS-247 5.5 / FCC 15.247 (d) Emission limitations radiated (Transmitter) 15

TEST CONDITIONS

(*): Data provided by the client.

POWER SUPPLY (*):

Vnominal:	12Vdc
Type of Power Supply:	External power supply

ANTENNA (*):

Type of Antenna:	External antenna
Maximum Declared Antenna Gain:	+2dBi

TEST FREQUENCIES (*):

Modulation	Data rates	Low Channel:	Middle Channel	High Channel
BTEDR GFSK	1-DH5	2402 MHz	2441 MHz	2480 MHz
BTEDR PI/4 DQPSK	2-DH5	2402 MHz	2441 MHz	2480 MHz
BTEDR 8DPSK	3-DH5	2402 MHz	2441 MHz	2480 MHz

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:

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.

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).

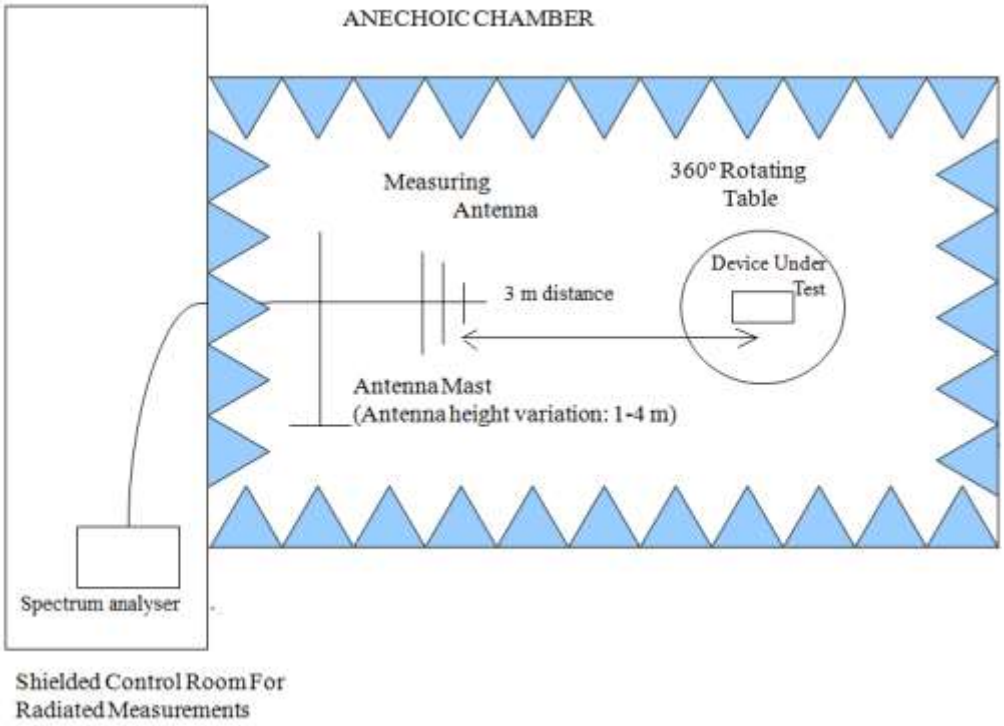
For radiated emissions in the range 17 GHz-26 GHz that is performed at a distance closer than the specified distance, an inverse proportionality factor of 20 dB per decade is used to normalize the measured data for determining compliance.

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 360º and the antenna height (Bilog antenna and Double ridge horn antenna) was varied from 1 to 4 meters to find the maximum radiated emission.

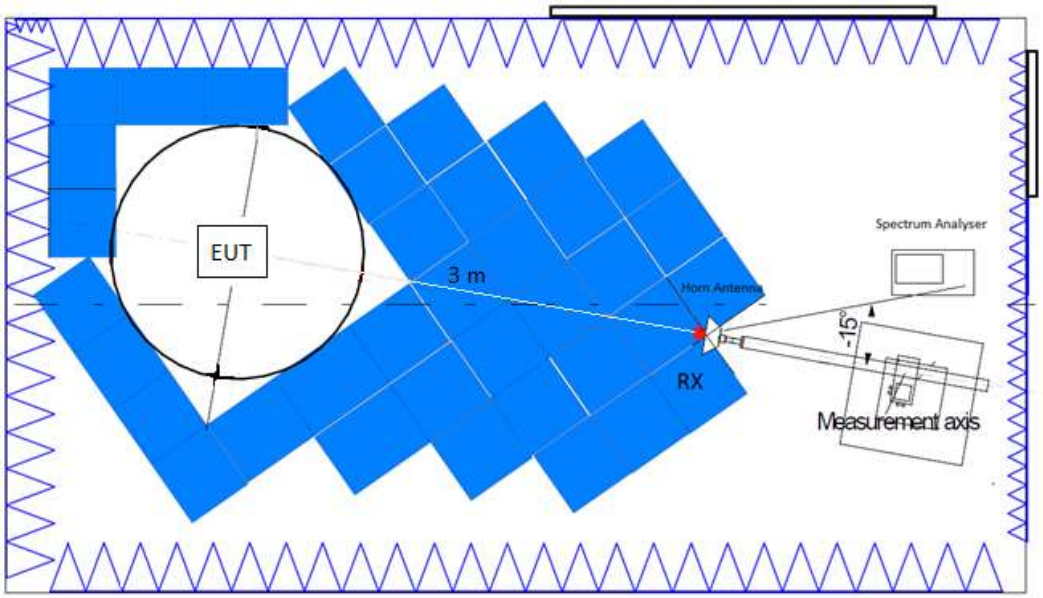
Measurements were made in both horizontal and vertical planes of polarization.

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.

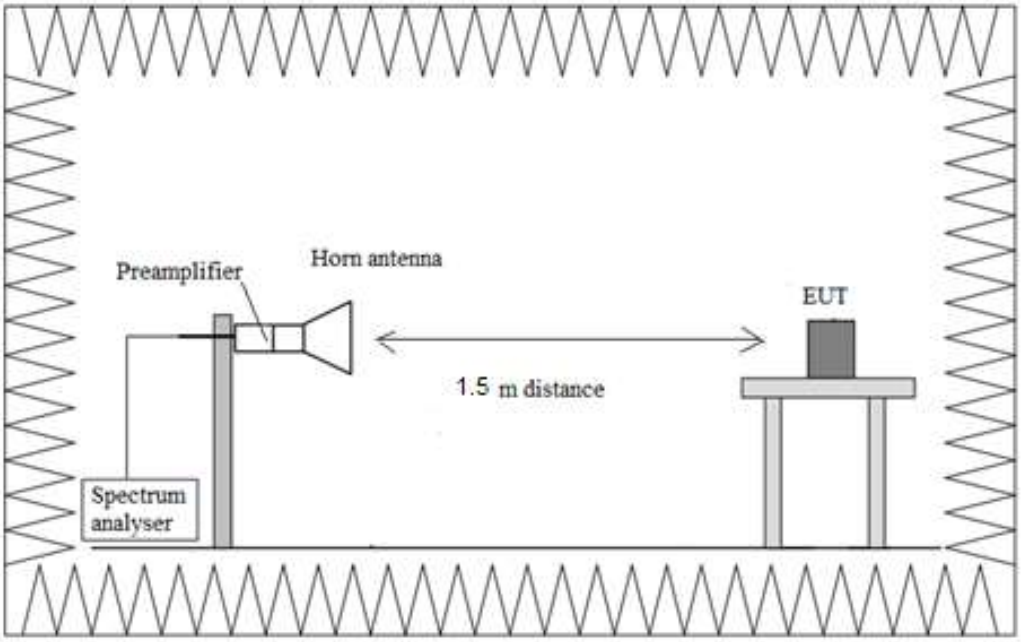
Radiated measurements setup from 30 MHz to 1 GHz:



Radiated measurements setup from 1 GHz to 17 GHz:



Radiated measurements setup f > 17 GHz:



TEST CASES DETAILS

RSS-247 5.5 / FCC 15.247 (d) 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 (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
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.

Results

Frequency range 30 MHz - 1 GHz:

The spurious frequencies detected below 1 GHz do not depend on either the operating channel or the modulation mode selected in the EUT.

Spurious frequencies at less than 20 dB below the limit:

Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
61.404	25.53	V	QP
86.017	31.26	V	QP
110.571	34.70	H	QP
135.154	27.30	H	QP
159.768	31.02	H	QP
184.291	30.31	H	QP
199.144	32.61	H	QP
218.059	29.52	H	QP
233.458	29.26	H	QP
307.208	27.37	H	QP
331.791	39.10	H	QP
356.344	31.31	H	QP
380.928	33.08	H	QP
577.565	37.67	V	QP
602.148	38.36	H	QP
624.974	37.17	H	QP
651.285	33.45	H	QP
798.755	35.60	V	QP
823.308	38.25	V	QP
874.991	36.87	H	QP
1000.000	36.76	V	QP

Frequency range 1 - 26 GHz:

The results below show the maximum measured levels in the 1-26 GHz range including the restricted bands 2.31-2.39 GHz and 2.4835-2.5 GHz.

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

Modulation: BT (GFSK)

- Low channel. Spurious frequencies at less than 20 dB below the limit:

Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
3986.160	41.94	V	PK
4959.160	47.15	H	PK
7439.120	47.20	H	PK
14880.680	57.76	V	PK

- Middle Channel. Spurious frequencies at less than 20 dB below the limit:

Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
3989.800	41.08	V	PK
4958.880	46.78	H	PK
7439.400	46.32	V	PK
14879.140	58.57	V	PK

- High Channel. Spurious frequencies at less than 20 dB below the limit:

Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
3994.140	41.81	V	PK
4958.880	46.38	H	PK
14879.420	56.94	V	PK

Modulation: BT (Pi/4 DQPSK)

- Low channel. Spurious frequencies at less than 20 dB below the limit:

Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
3874.860	39.42	V	PK
3996.100	42.69	V	PK
4047.900	40.13	H	PK
4803.760	43.49	H	PK

- Middle Channel. Spurious frequencies at less than 20 dB below the limit:

Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
2491.169	56.49	V	PK
	44.99		AVG
3988.960	41.35	V	PK
4879.780	49.68	H	PK

- High Channel. Spurious frequencies at less than 20 dB below the limit:

Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
4959.020	47.38	H	PK
14880.540	57.09	V	PK

Modulation: BT (8DPSK)

- Low channel. Spurious frequencies at less than 20 dB below the limit:

Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
3990.360	43.73	V	PK
4804.880	45.51	H	PK

- Middle Channel. Spurious frequencies at less than 20 dB below the limit:

Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
3998.620	39.12	V	PK
4879.220	45.83	H	PK
7319.420	45.75	H	PK

- High Channel. Spurious frequencies at less than 20 dB below the limit:

Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
3624.960	37.24	V	PK
4958.880	47.15	H	PK
7439.680	45.86	V	PK
14880.540	58.33	V	PK

Verdict

Pass

Attachments

Spectrum Analyzer Parameters:

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
Receiver: [ESR 7]					
30 MHz - 1 GHz	30,312 kHz	PK+	100 kHz	1 s	0 dB
Receiver: [FSW 50]					
1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	0 dB
Receiver: [FSW 50]					
3 GHz - 17 GHz	140 kHz	PK+ ; AVG	1 MHz	1 s	0 dB
Receiver: [FSW 50]					
17 GHz - 26 GHz	300 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency Range GHz = [0.03, 1]

Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (GFSK)

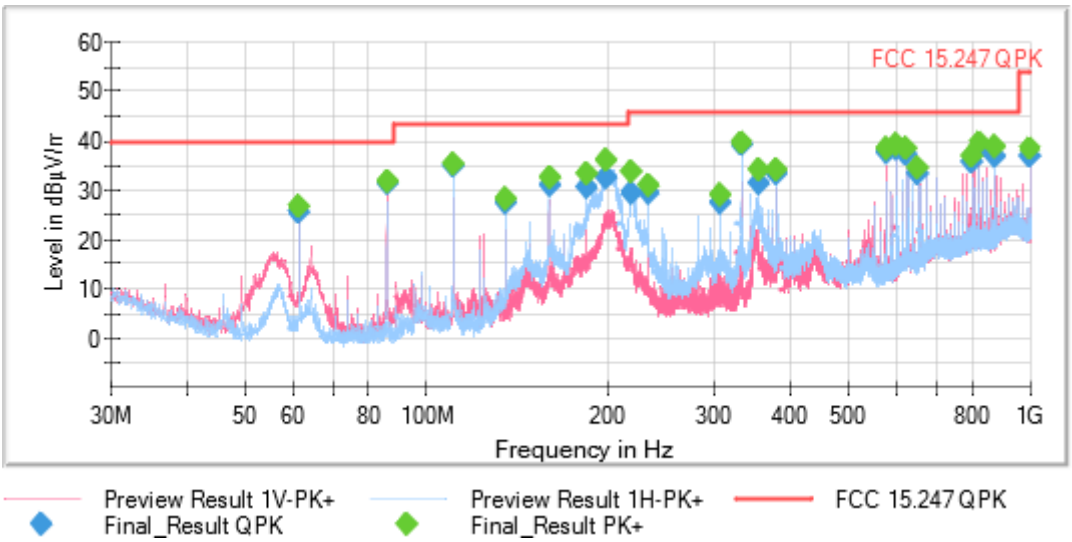
Frequency MHz = The spurious frequencies detected below 1 GHz do not depend on either the operating channel or the modulation mode selected in the EUT.

MIMO Mode = SISO

Measurement Point = 1

Active Port = 1

Images:



This plot is valid for all channels and all modulations

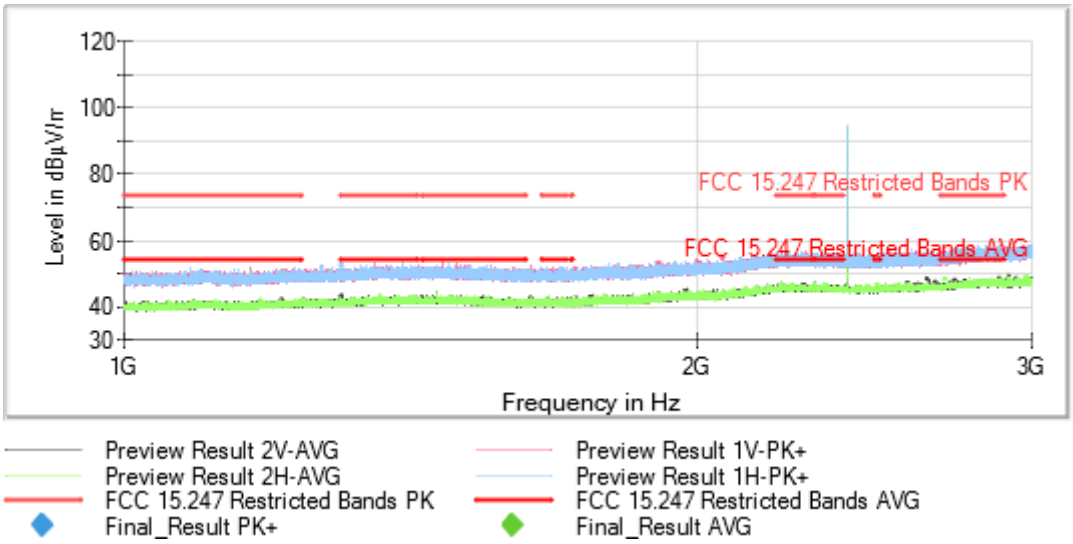
Frequency Range GHz = [1, 3] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (GFSK) Frequency MHz = 2402.00000

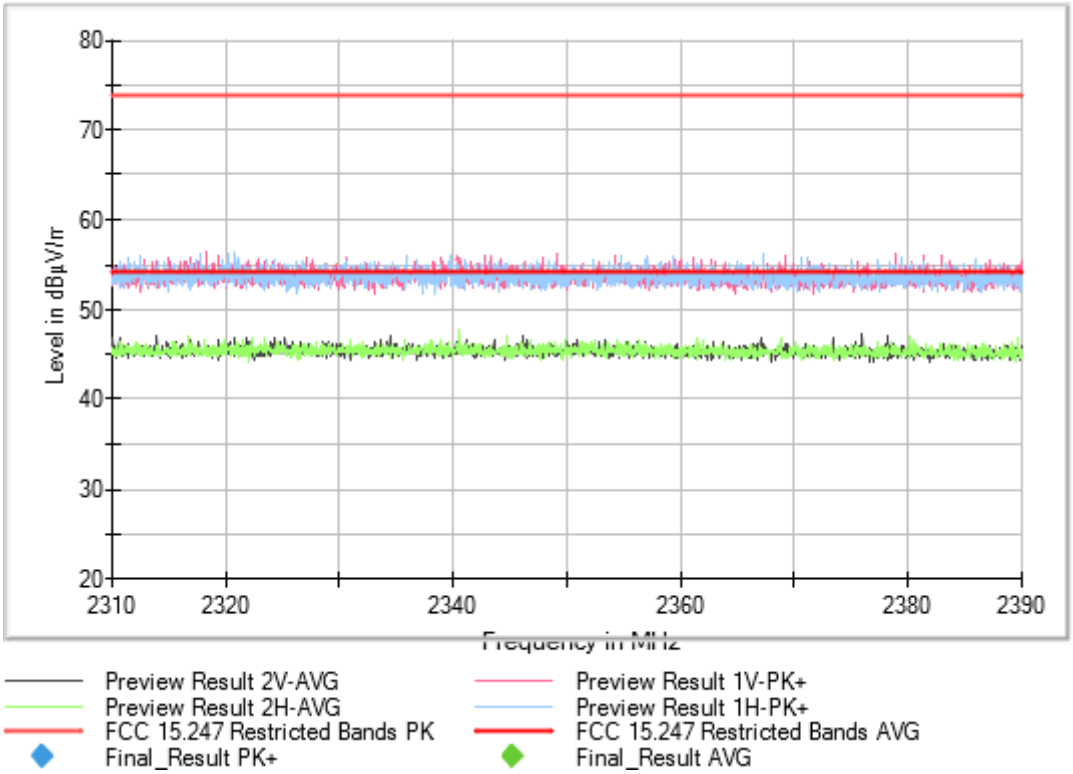
MIMO Mode = SISO Measurement Point = 1

Active Port = 1

Images:



Full Spectrum



Full Spectrum
Level in dBµV/m
80
70
60
50
40
30
20
2483,5
2490
2495
2500
Frequency in MHz
Preview Result 2V-AVG
Preview Result 2H-AVG
FCC 15.247 Restricted Bands PK
Final_Result PK+
Preview Result 1V-PK+
Preview Result 1H-PK+
FCC 15.247 Restricted Bands AVG
Final_Result AVG

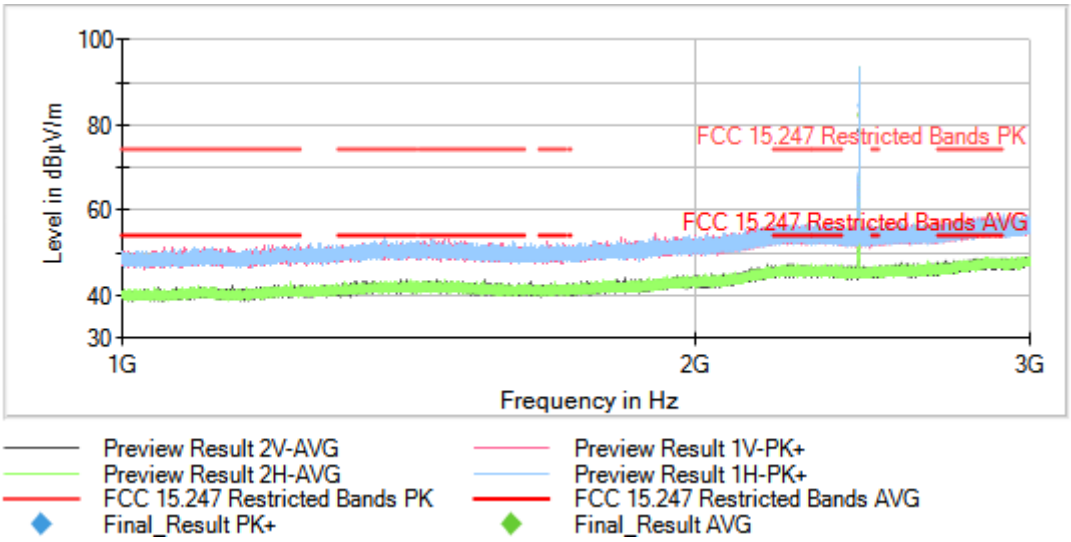
Frequency Range GHz = [1, 3] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (GFSK) Frequency MHz = 2440.00000

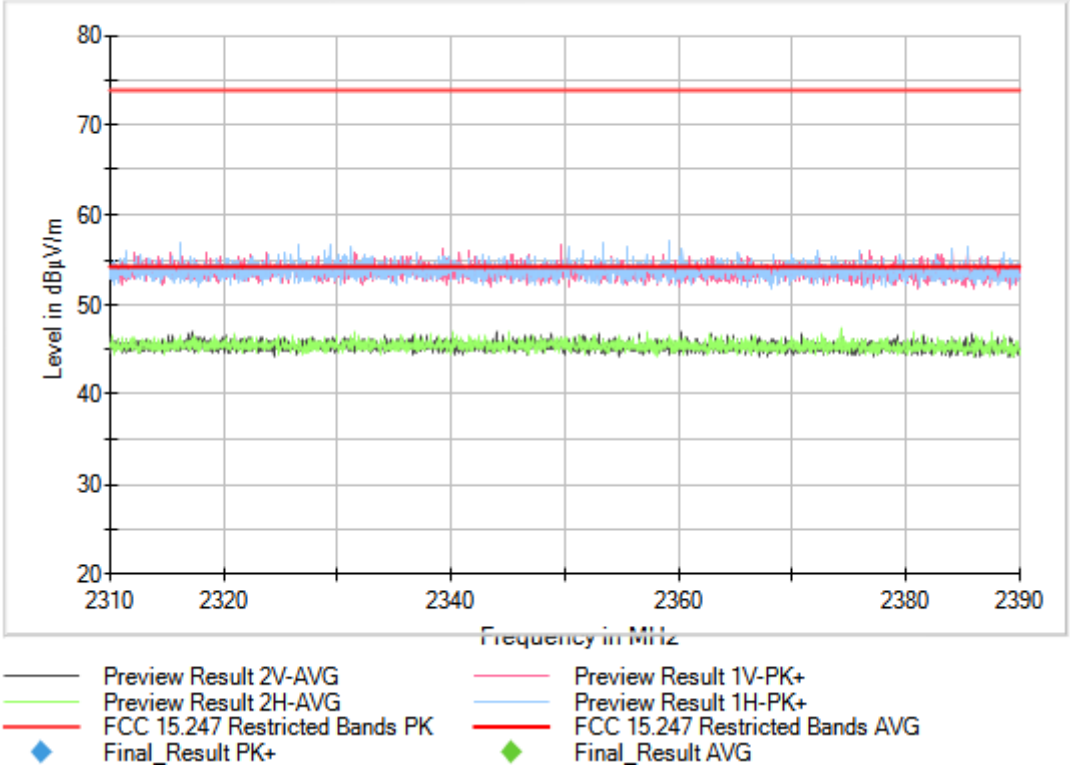
MIMO Mode = SISO Measurement Point = 1

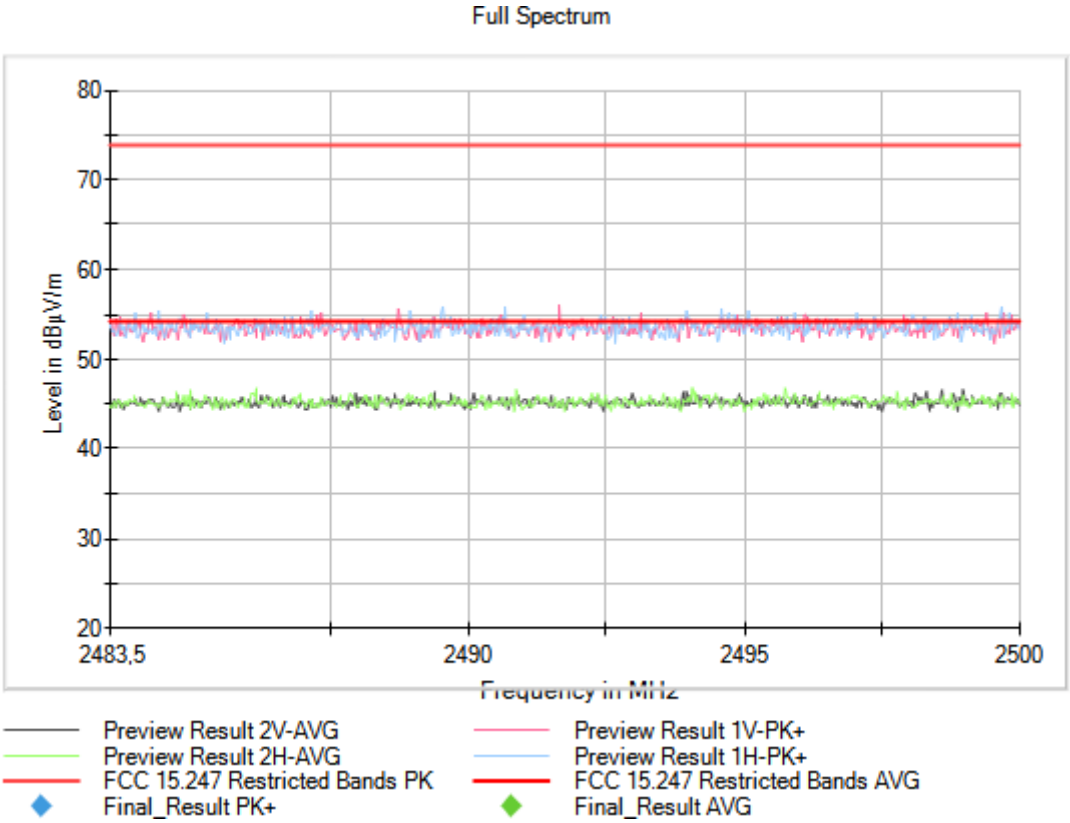
Active Port = 1

Images:



Full Spectrum




Full Spectrum
Level in dBµV/m
80
70
60
50
40
30
20
2483,5
2490
2495
2500
Frequency in MHz
Preview Result 2V-AVG
Preview Result 2H-AVG
FCC 15.247 Restricted Bands PK
Final_Result PK+
Preview Result 1V-PK+
Preview Result 1H-PK+
FCC 15.247 Restricted Bands AVG
Final_Result AVG

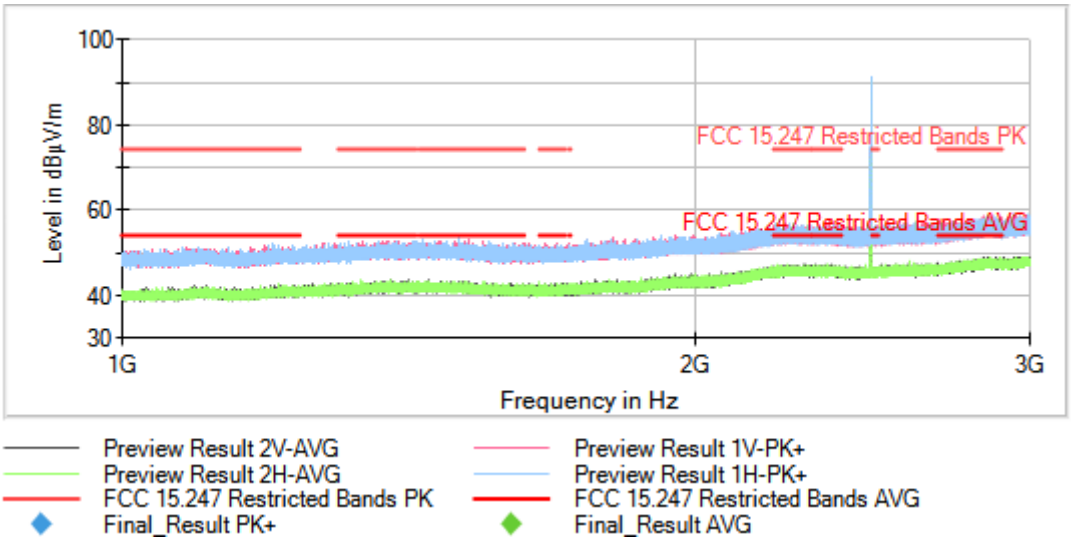
Frequency Range GHz = [1, 3] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (GFSK) Frequency MHz = 2480.00000

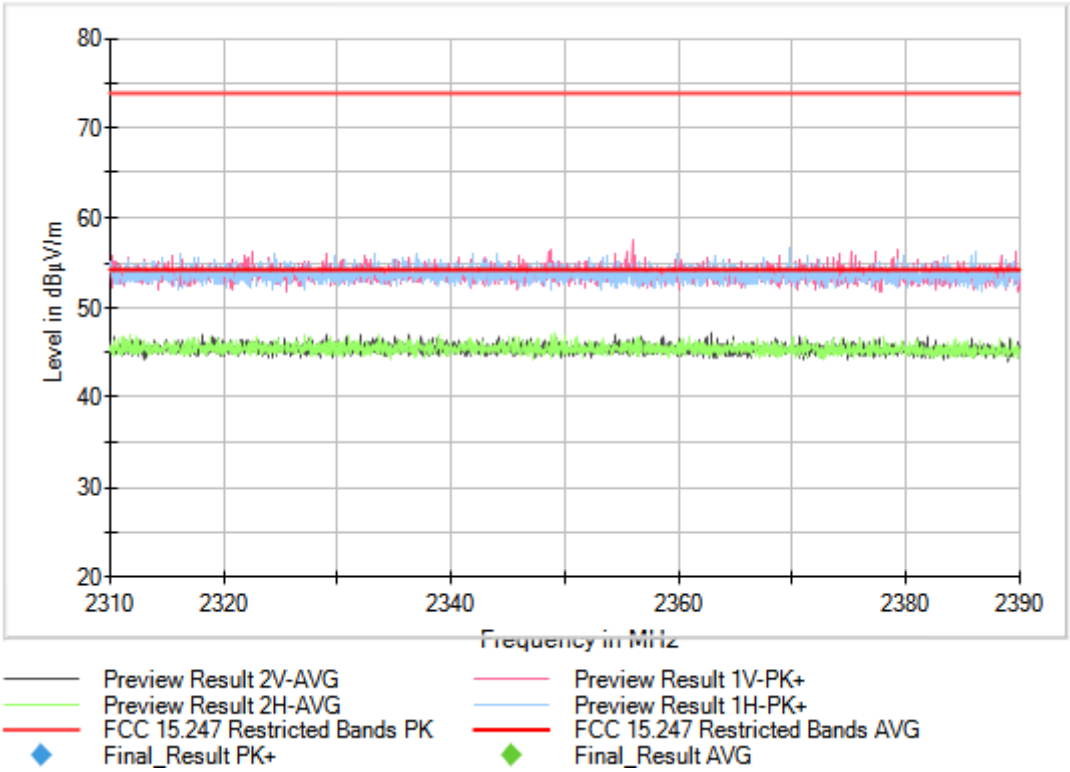
MIMO Mode = SISO Measurement Point = 1

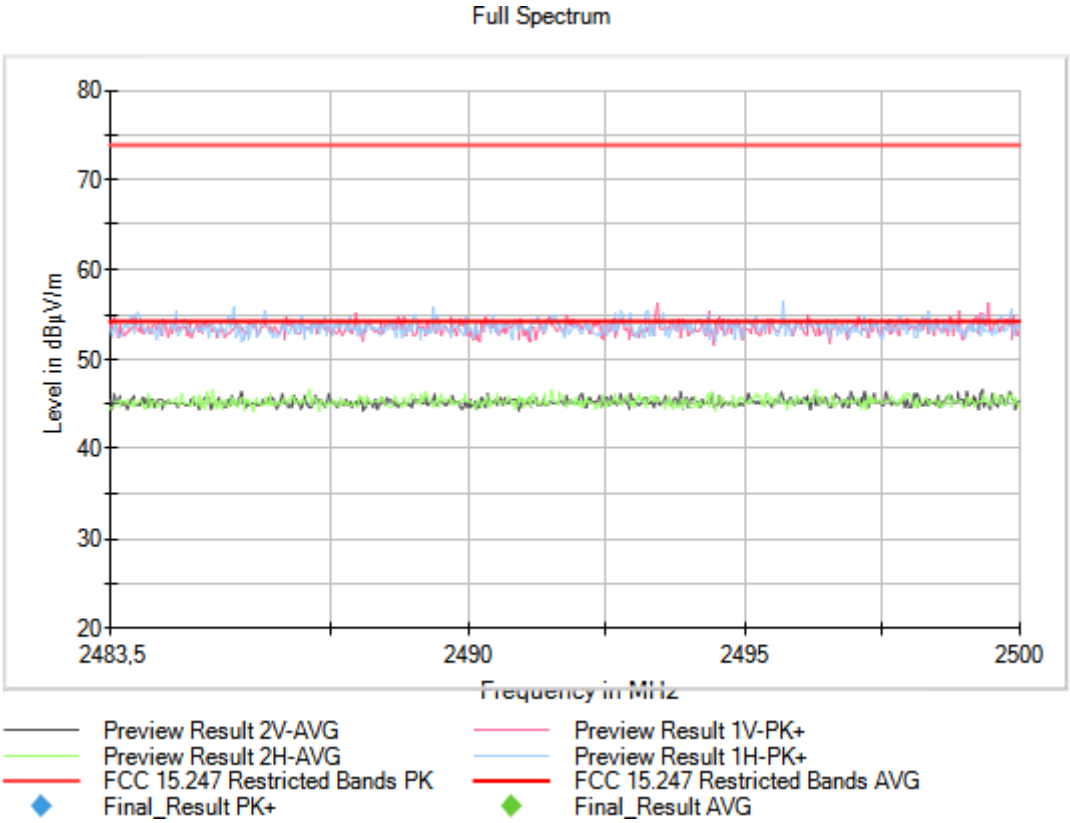
Active Port = 1

Images:



Full Spectrum




Full Spectrum
Level in dBµV/m
80
70
60
50
40
30
20
2483,5
2490
2495
2500
Frequency in MHz
Preview Result 2V-AVG
Preview Result 2H-AVG
FCC 15.247 Restricted Bands PK
Final_Result PK+
Preview Result 1V-PK+
Preview Result 1H-PK+
FCC 15.247 Restricted Bands AVG
Final_Result AVG

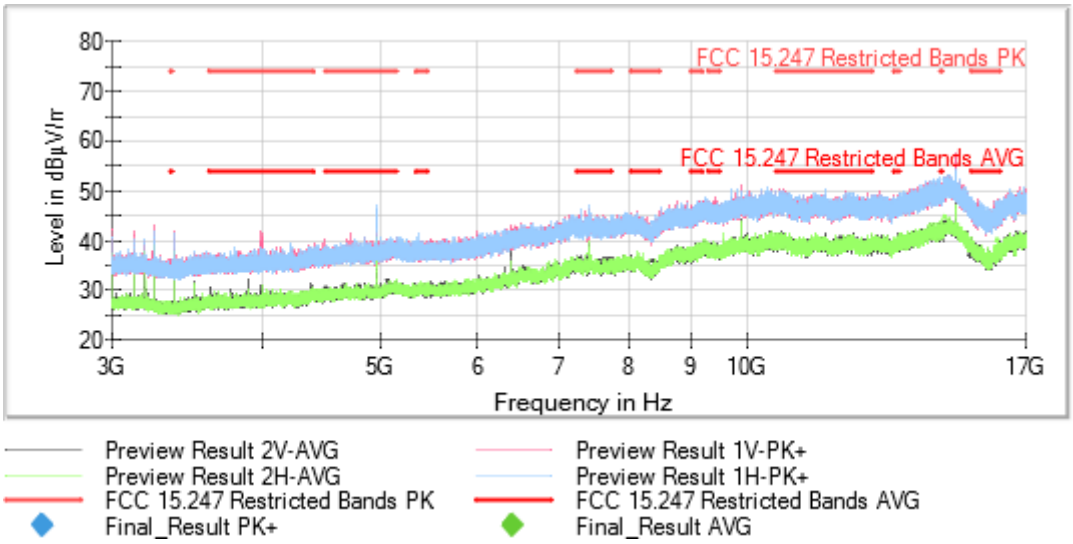
Frequency Range GHz = [3, 17] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (GFSK) Frequency MHz = 2402.00000

MIMO Mode = SISO Measurement Point = 1

Active Port = 1

Images:



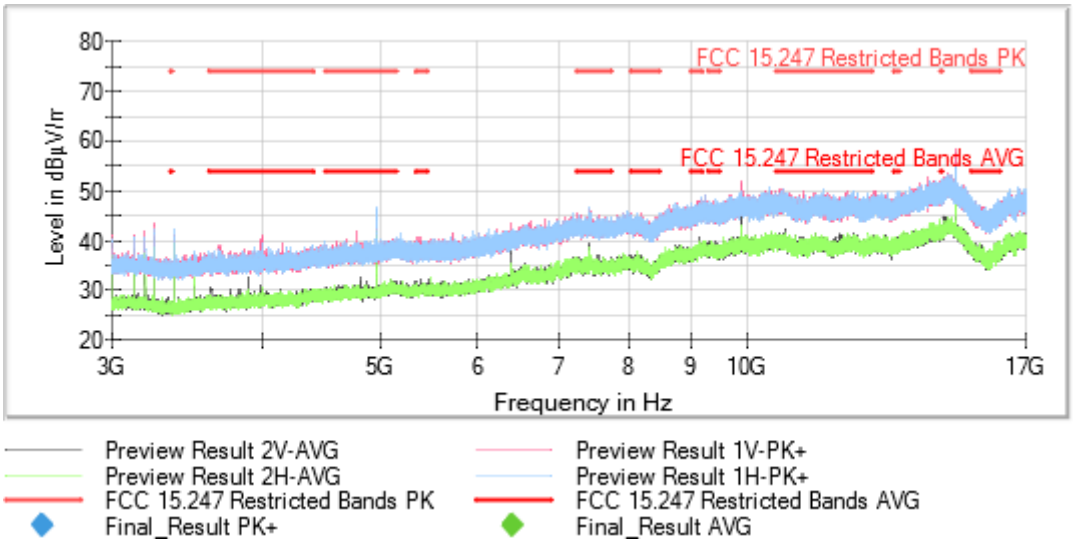
Frequency Range GHz = [3, 17] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (GFSK) Frequency MHz = 2440.00000

MIMO Mode = SISO Measurement Point = 1

Active Port = 1

Images:



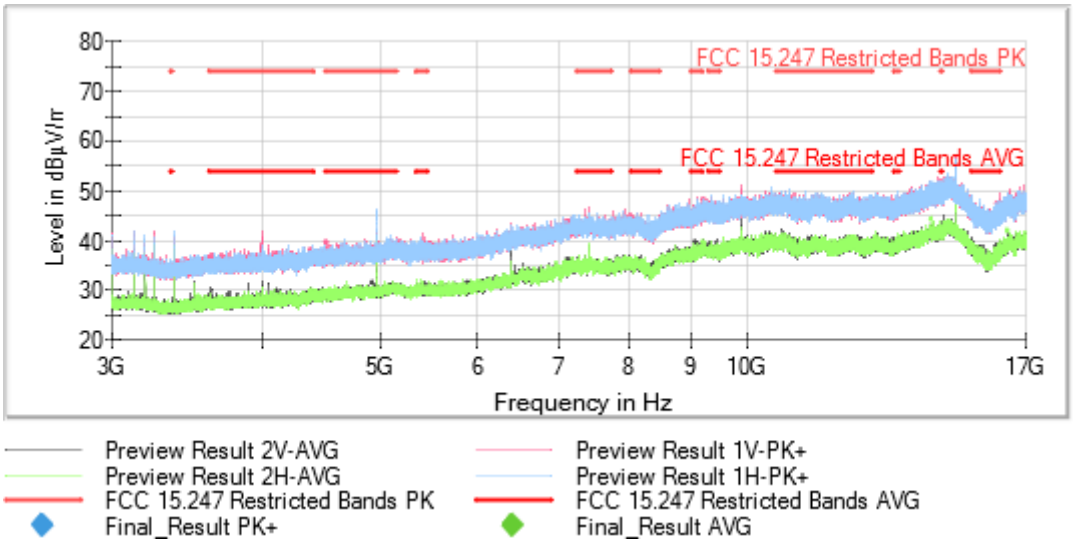
Frequency Range GHz = [3, 17] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (GFSK) Frequency MHz = 2480.00000

MIMO Mode = SISO Measurement Point = 1

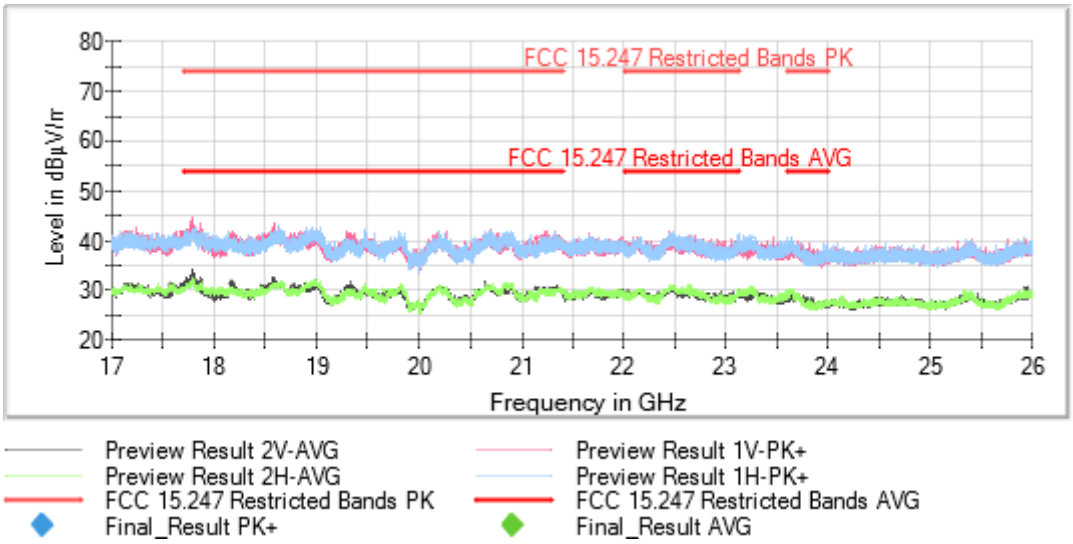
Active Port = 1

Images:



Frequency Range GHz = [17, 26]	Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)
Modulation = BT (GFSK)	Frequency MHz = The spurious frequencies detected below 1 GHz do not depend on either the operating channel or the modulation mode selected in the EUT.
MIMO Mode = SISO	Measurement Point = 1
Active Port = 1	

Images:



This plot is valid for all channels and all modulations

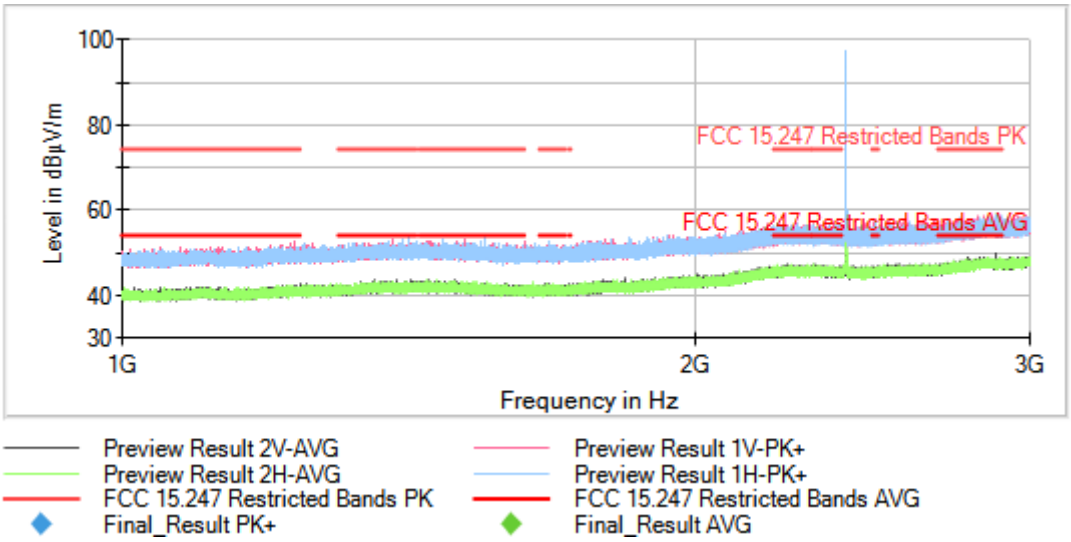
Frequency Range GHz = [1, 3] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (Pi/4 DQPSK) Frequency MHz = 2402.00000

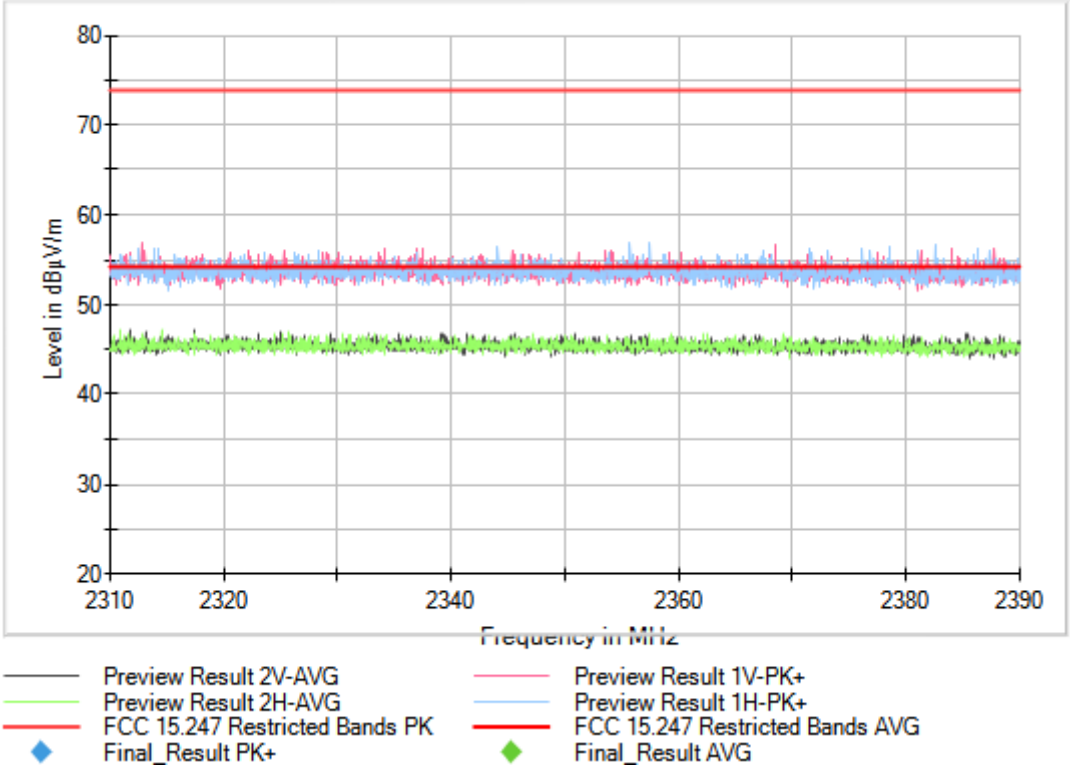
MIMO Mode = SISO Measurement Point = 1

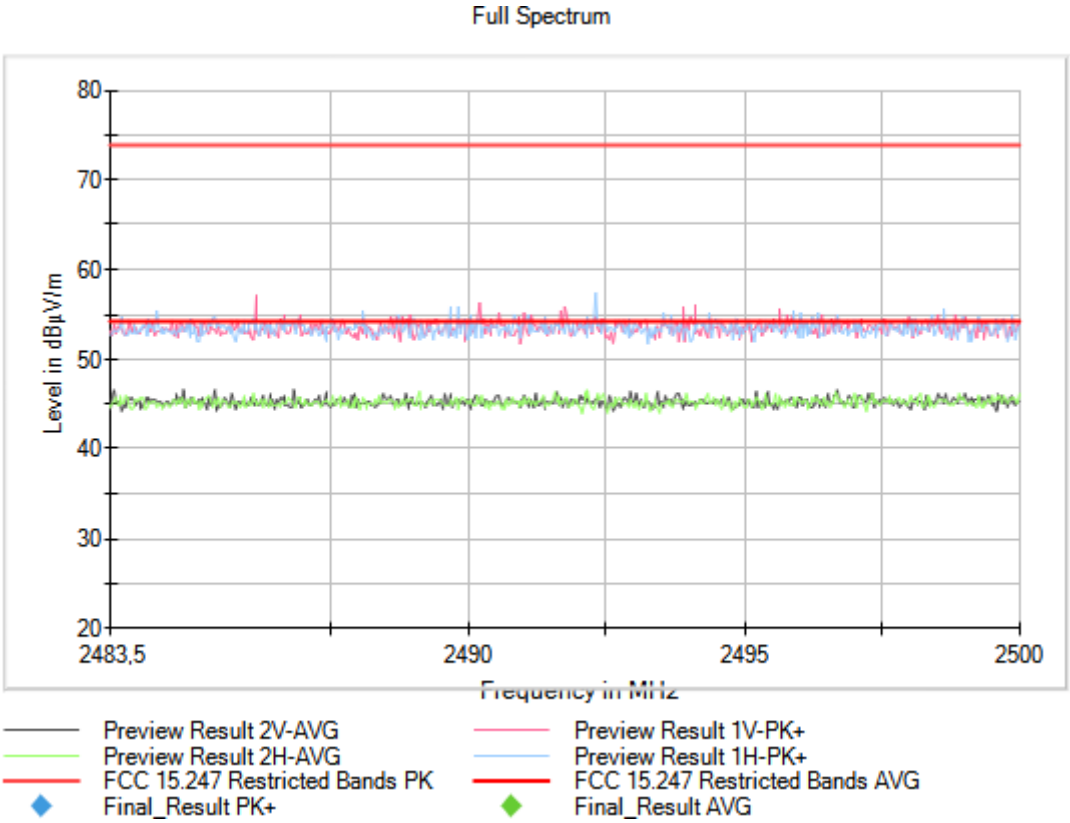
Active Port = 1

Images:



Full Spectrum




Full Spectrum
Level in dBµV/m
80
70
60
50
40
30
20
2483,5
2490
2495
2500
Frequency in MHz
Preview Result 2V-AVG
Preview Result 2H-AVG
FCC 15.247 Restricted Bands PK
Final_Result PK+
Preview Result 1V-PK+
Preview Result 1H-PK+
FCC 15.247 Restricted Bands AVG
Final_Result AVG

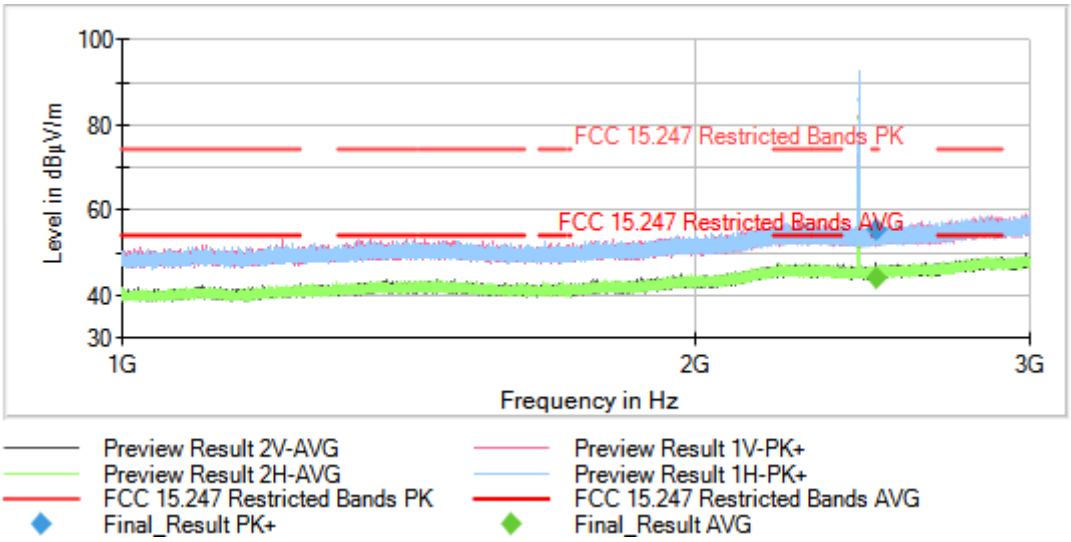
Frequency Range GHz = [1, 3] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (Pi/4 DQPSK) Frequency MHz = 2440.00000

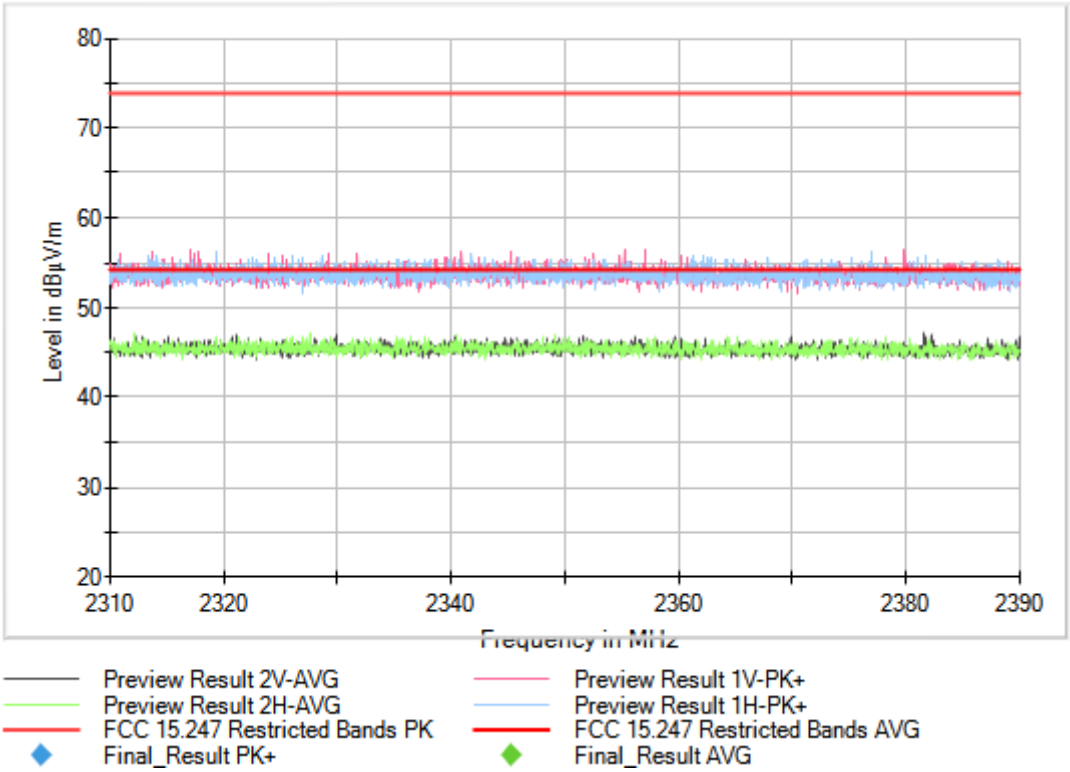
MIMO Mode = SISO Measurement Point = 1

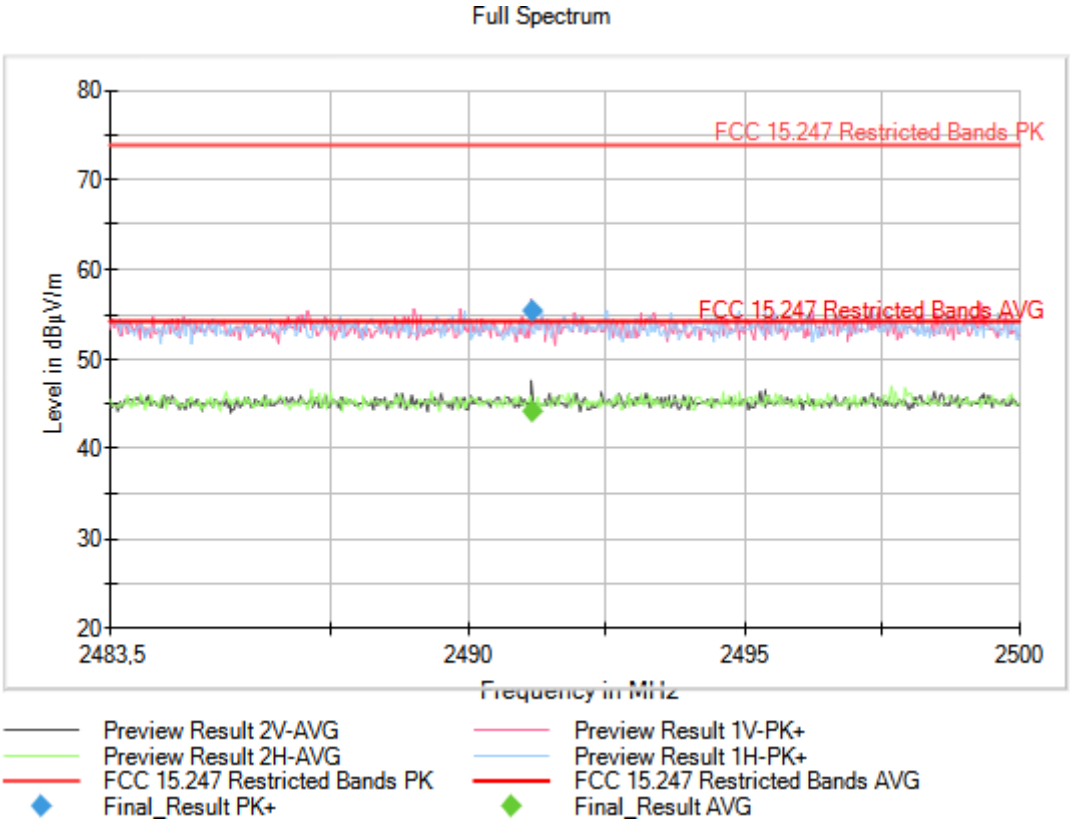
Active Port = 1

Images:



Full Spectrum




Full Spectrum
FCC 15.247 Restricted Bands PK
FCC 15.247 Restricted Bands AVG
Level in dBµV/m
80
70
60
50
40
30
20
2483,5
2490
2495
2500
Frequency in MHz
Preview Result 2V-AVG
Preview Result 2H-AVG
FCC 15.247 Restricted Bands PK
Final_Result PK+
Preview Result 1V-PK+
Preview Result 1H-PK+
FCC 15.247 Restricted Bands AVG
Final_Result AVG

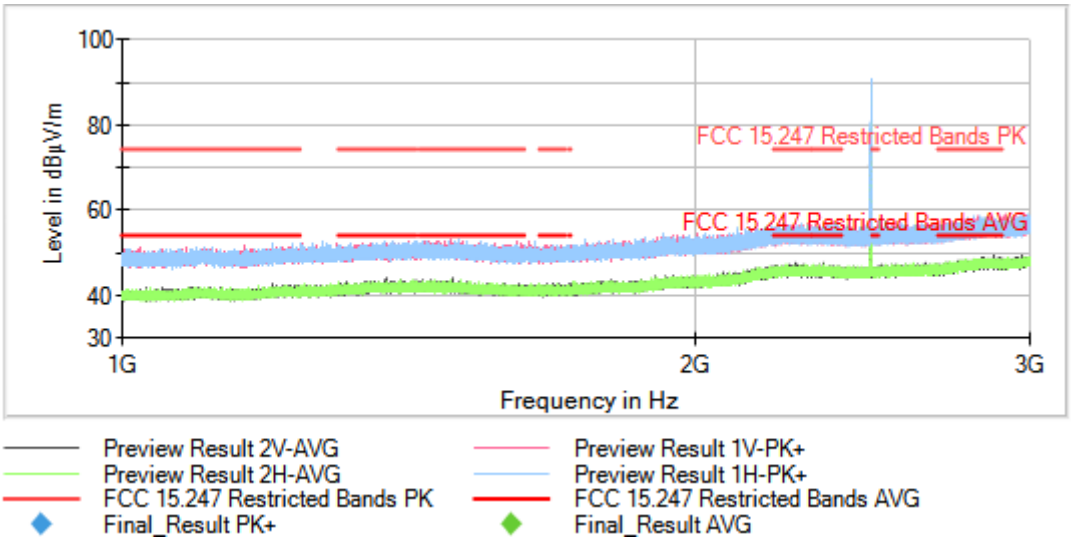
Frequency Range GHz = [1, 3] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (Pi/4 DQPSK) Frequency MHz = 2480.00000

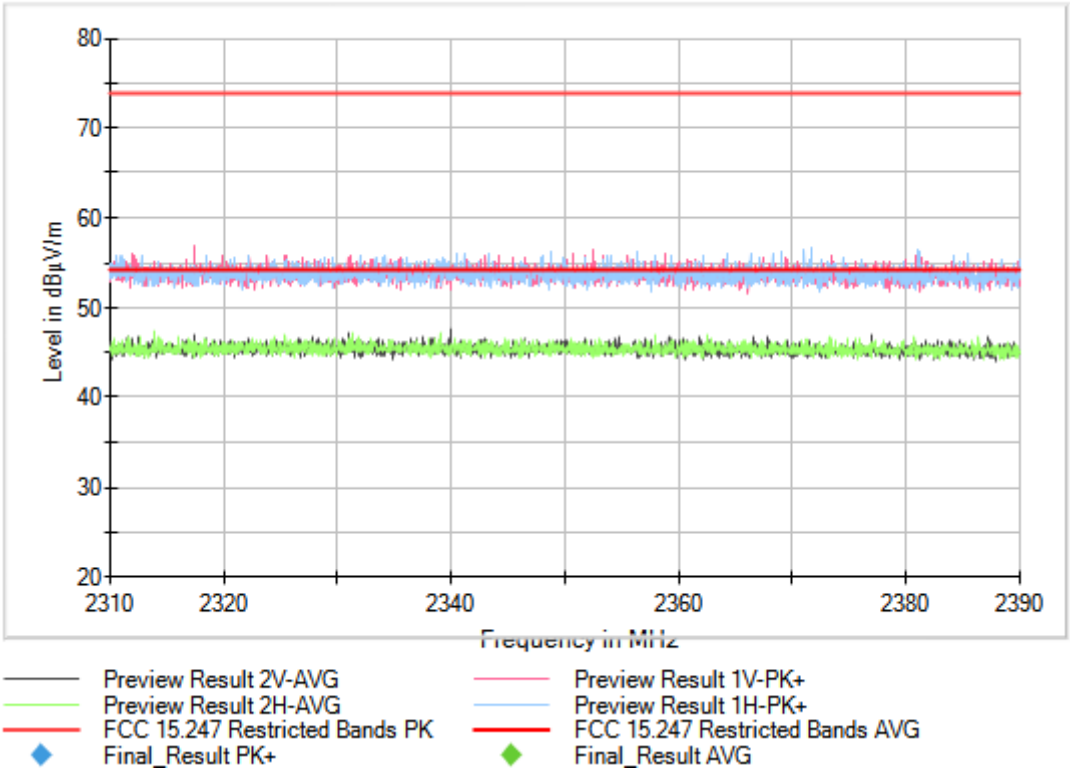
MIMO Mode = SISO Measurement Point = 1

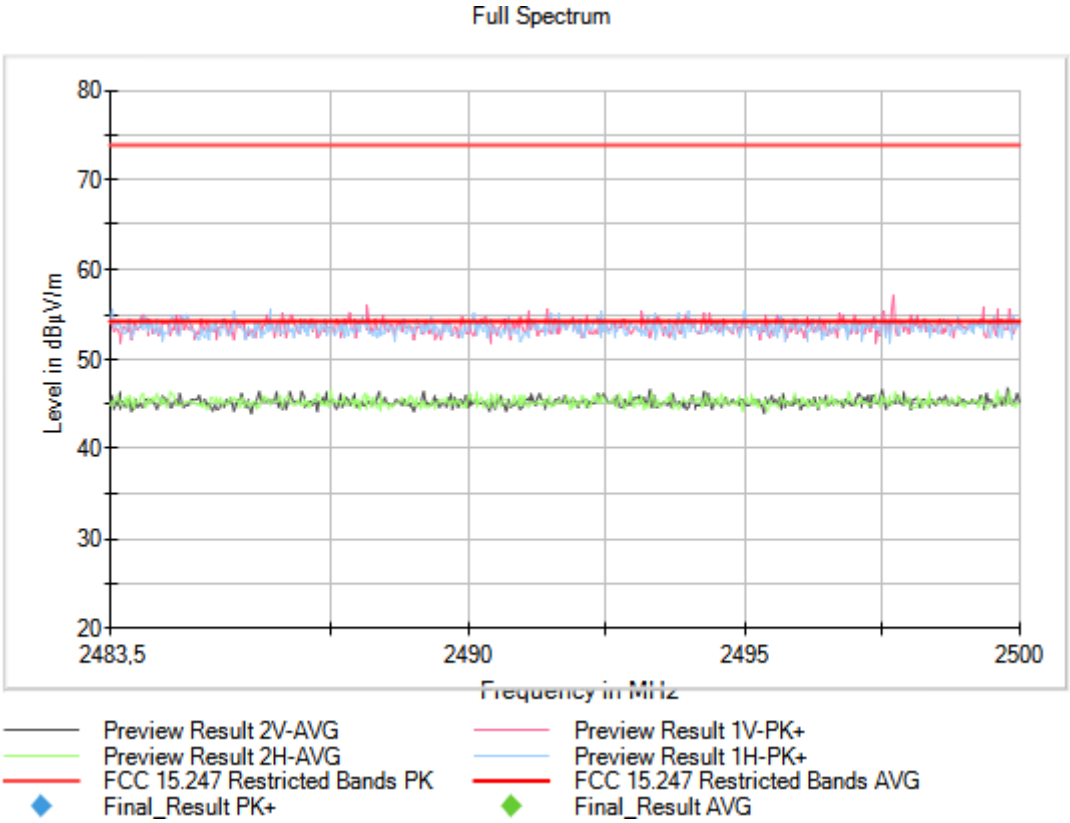
Active Port = 1

Images:



Full Spectrum




Full Spectrum
Level in dBµV/m
80
70
60
50
40
30
20
2483,5
2490
2495
2500
Frequency in MHz
Preview Result 2V-AVG
Preview Result 2H-AVG
FCC 15.247 Restricted Bands PK
Final_Result PK+
Preview Result 1V-PK+
Preview Result 1H-PK+
FCC 15.247 Restricted Bands AVG
Final_Result AVG

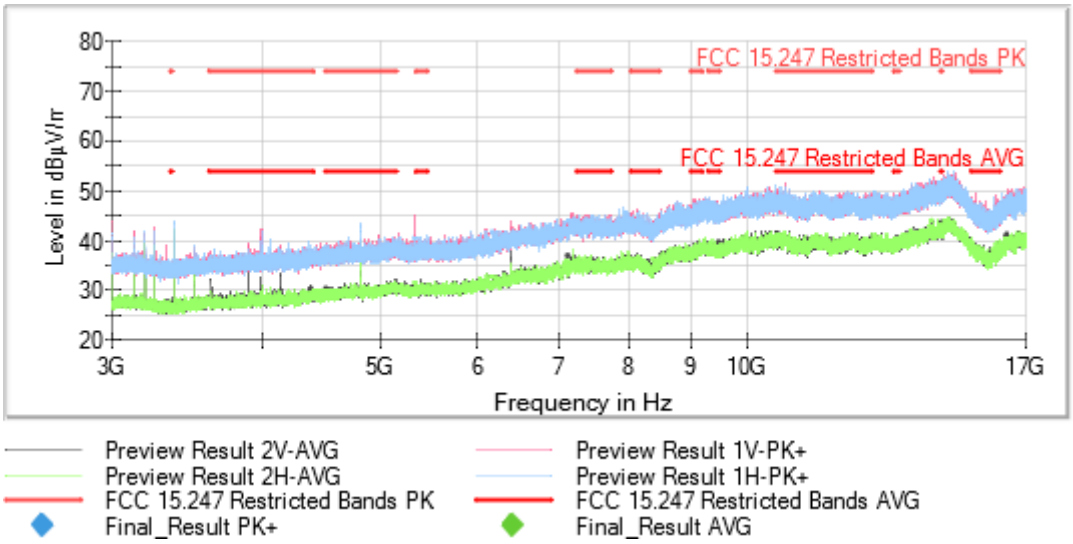
Frequency Range GHz = [3, 17] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (Pi/4 DQPSK) Frequency MHz = 2402.00000

MIMO Mode = SISO Measurement Point = 1

Active Port = 1

Images:



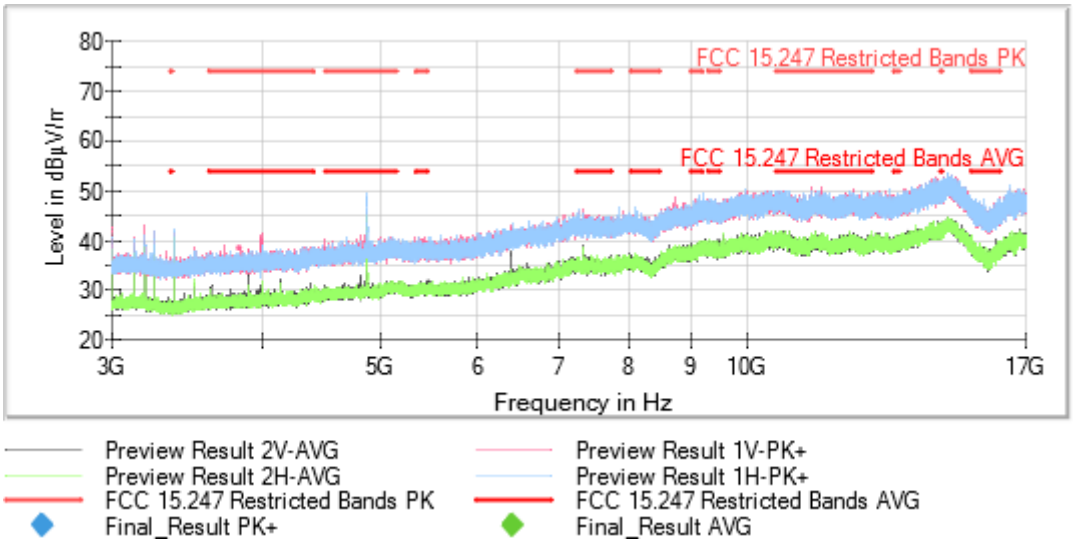
Frequency Range GHz = [3, 17] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (Pi/4 DQPSK) Frequency MHz = 2440.00000

MIMO Mode = SISO Measurement Point = 1

Active Port = 1

Images:



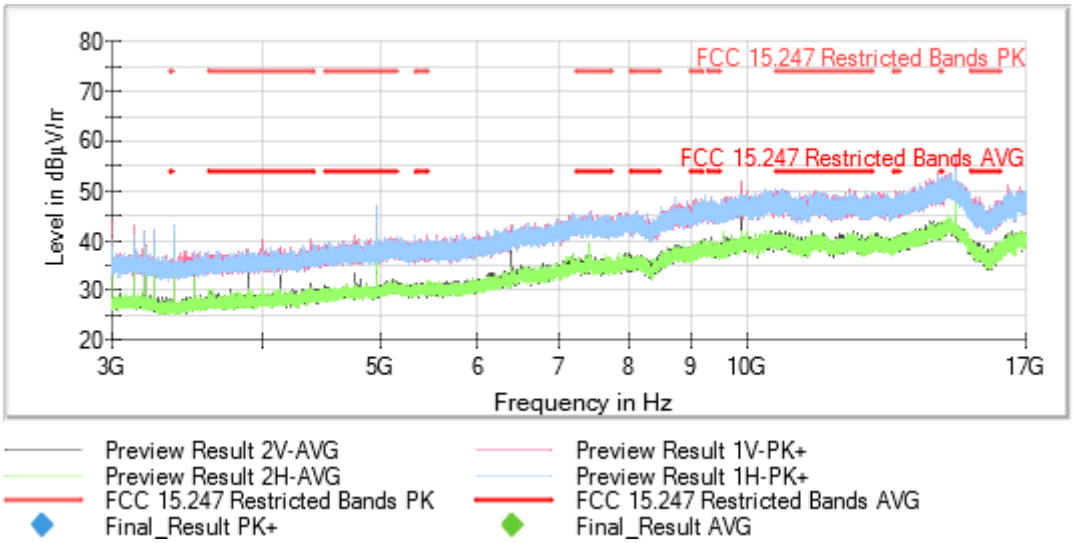
Frequency Range GHz = [3, 17] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (Pi/4 DQPSK) Frequency MHz = 2480.00000

MIMO Mode = SISO Measurement Point = 1

Active Port = 1

Images:



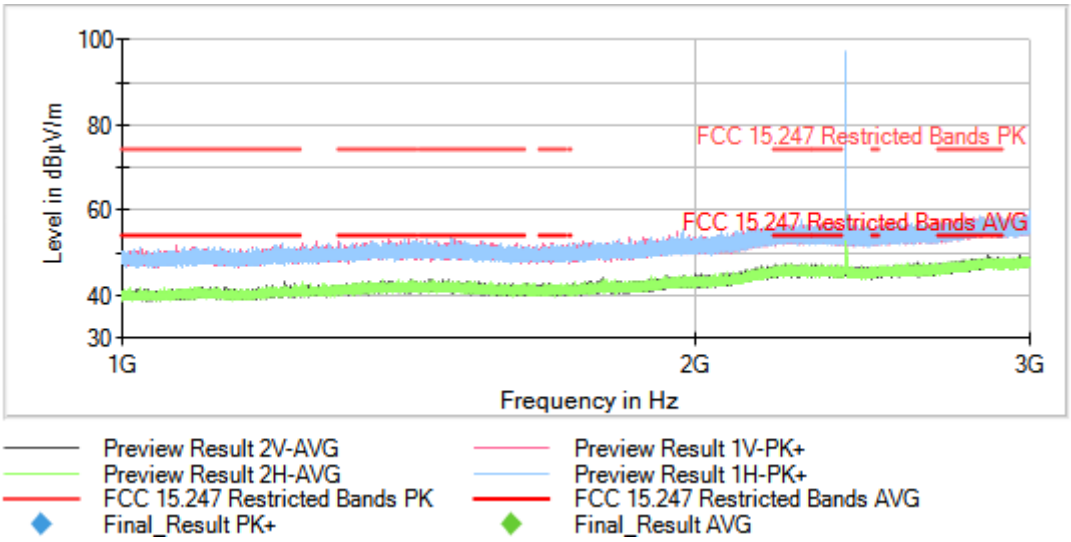
Frequency Range GHz = [1, 3] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (8DPSK) Frequency MHz = 2402.00000

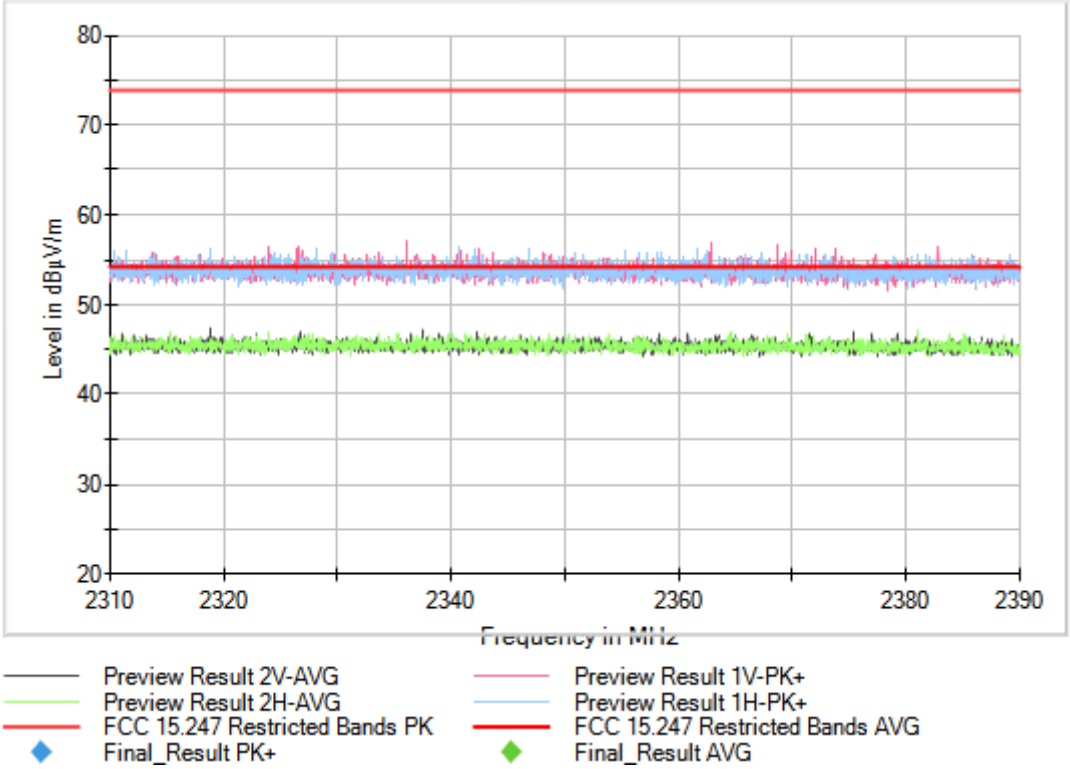
MIMO Mode = SISO Measurement Point = 1

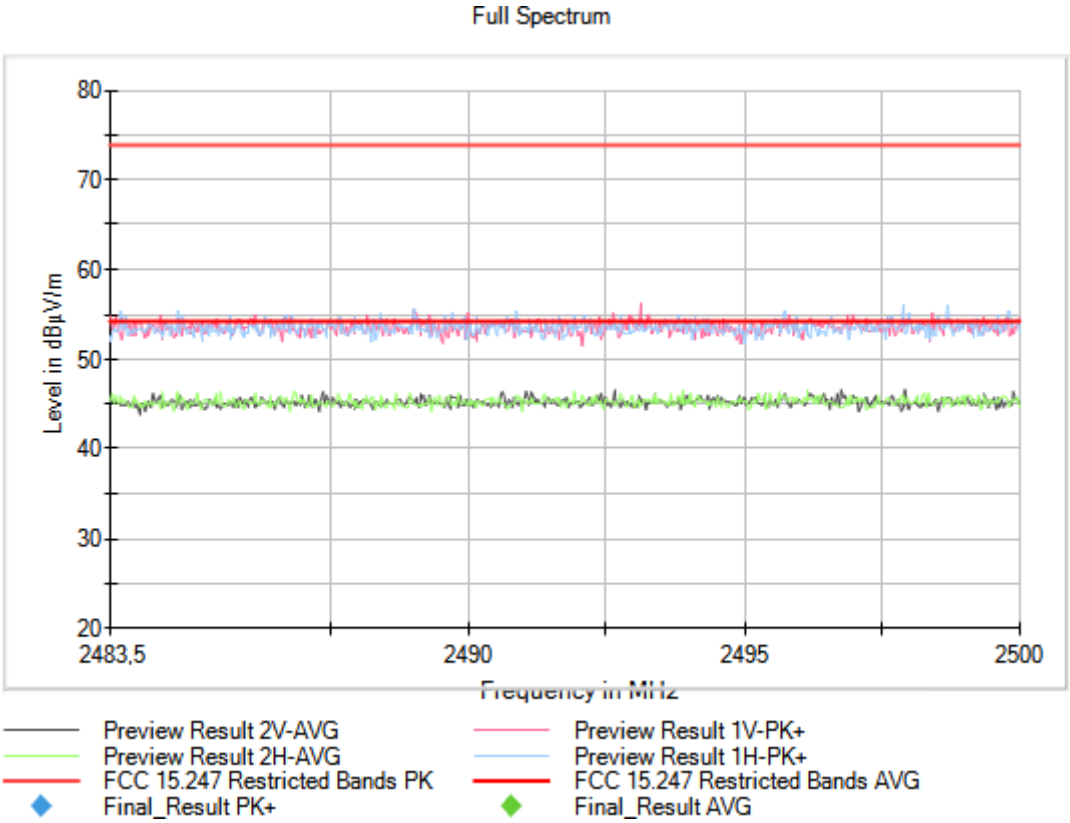
Active Port = 1

Images:



Full Spectrum




Full Spectrum
Level in dBµV/m
80
70
60
50
40
30
20
2483,5
2490
2495
2500
Frequency in MHz
Preview Result 2V-AVG
Preview Result 2H-AVG
FCC 15.247 Restricted Bands PK
Final_Result PK+
Preview Result 1V-PK+
Preview Result 1H-PK+
FCC 15.247 Restricted Bands AVG
Final_Result AVG

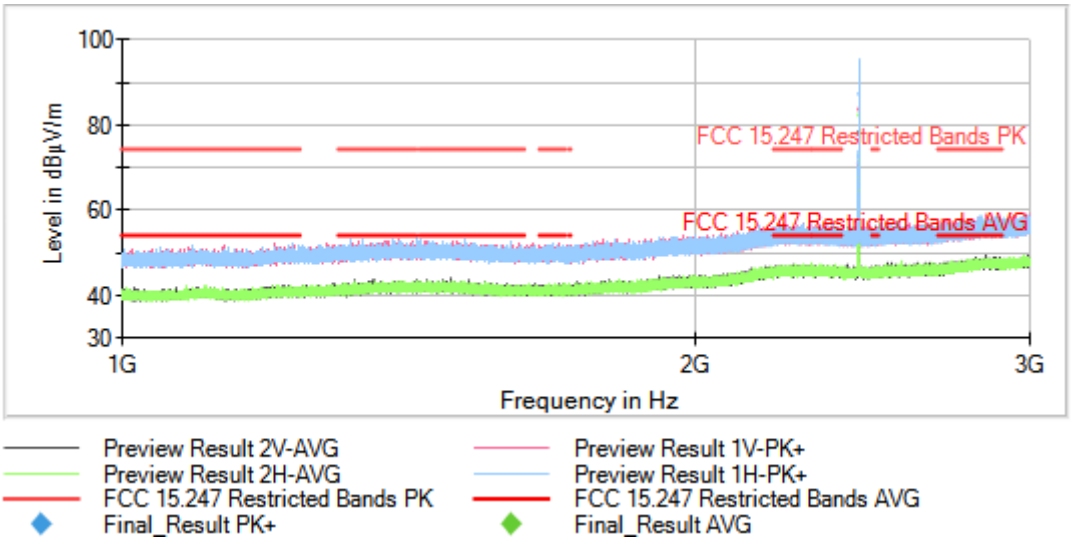
Frequency Range GHz = [1, 3] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (8DPSK) Frequency MHz = 2440.00000

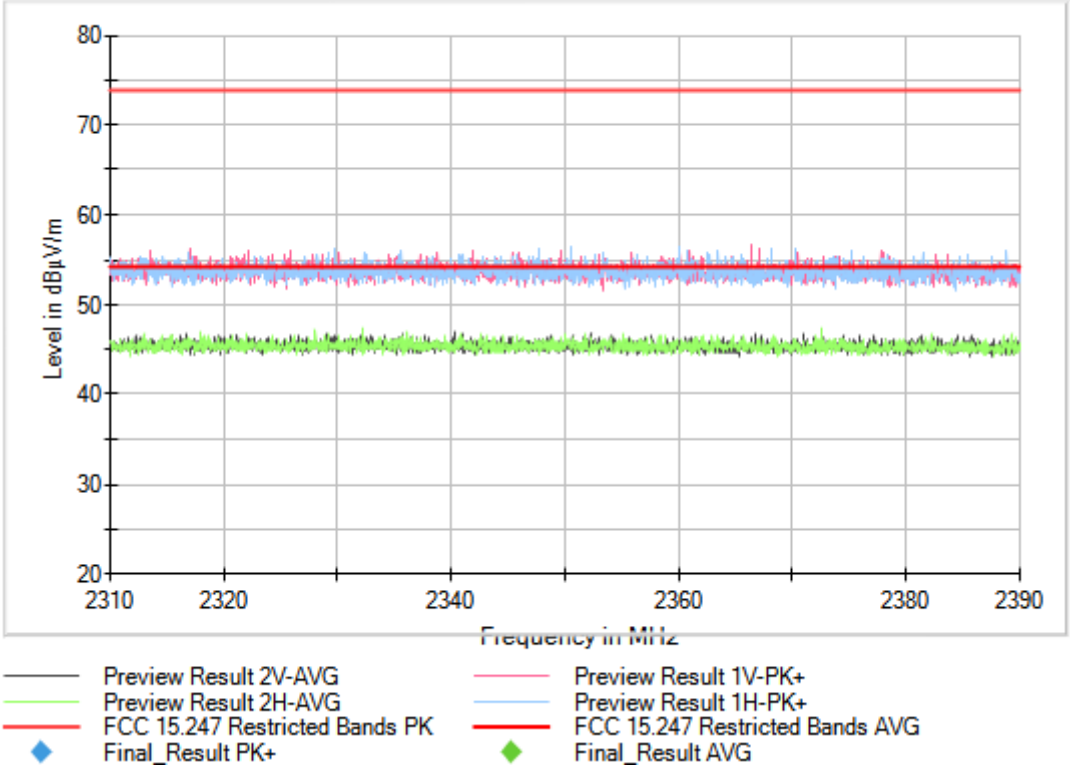
MIMO Mode = SISO Measurement Point = 1

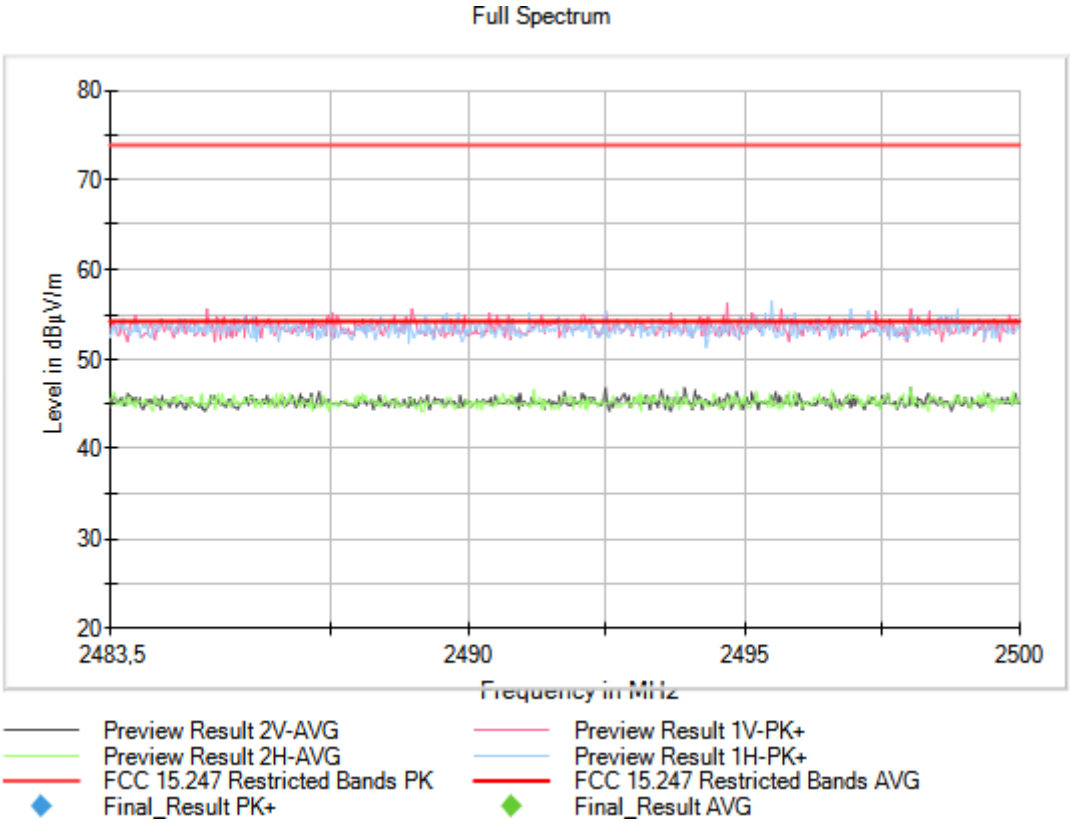
Active Port = 1

Images:



Full Spectrum




Full Spectrum
Level in dBµV/m
80
70
60
50
40
30
20
2483,5
2490
2495
2500
Frequency in MHz
Preview Result 2V-AVG
Preview Result 2H-AVG
FCC 15.247 Restricted Bands PK
Final_Result PK+
Preview Result 1V-PK+
Preview Result 1H-PK+
FCC 15.247 Restricted Bands AVG
Final_Result AVG

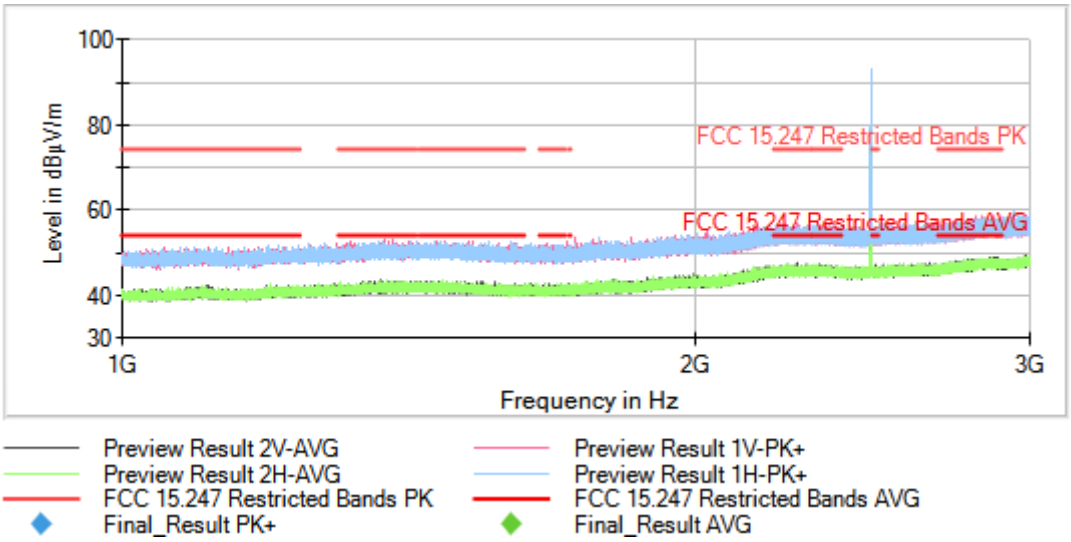
Frequency Range GHz = [1, 3] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (8DPSK) Frequency MHz = 2480.00000

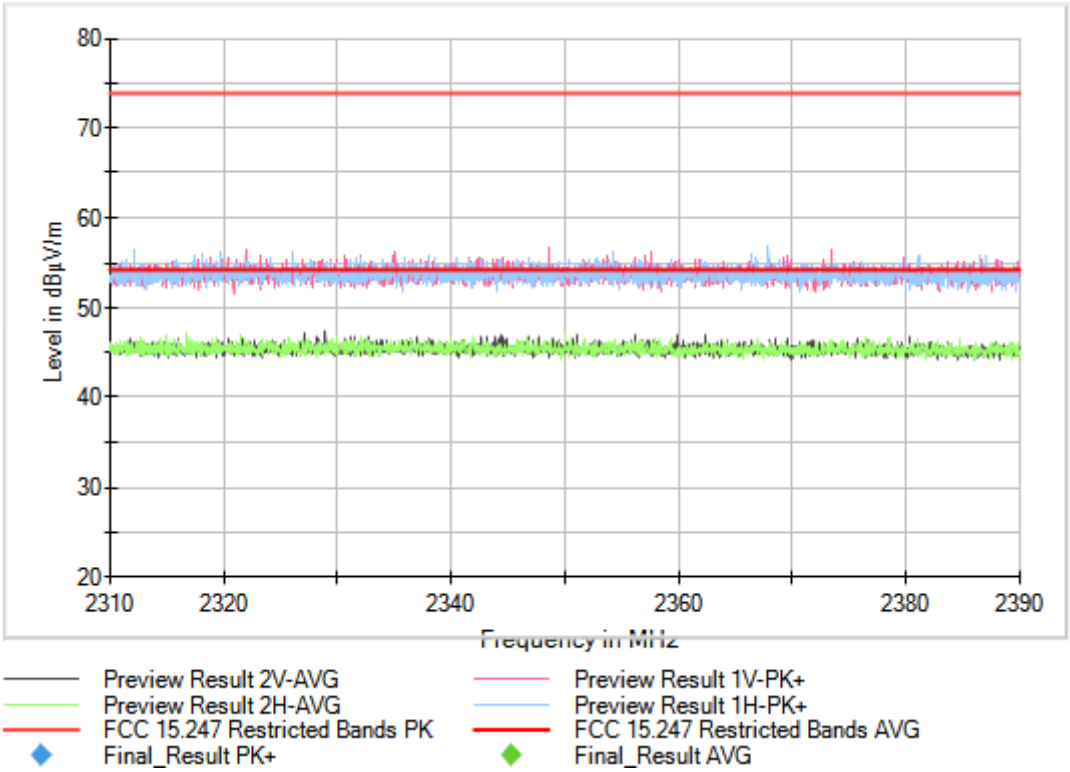
MIMO Mode = SISO Measurement Point = 1

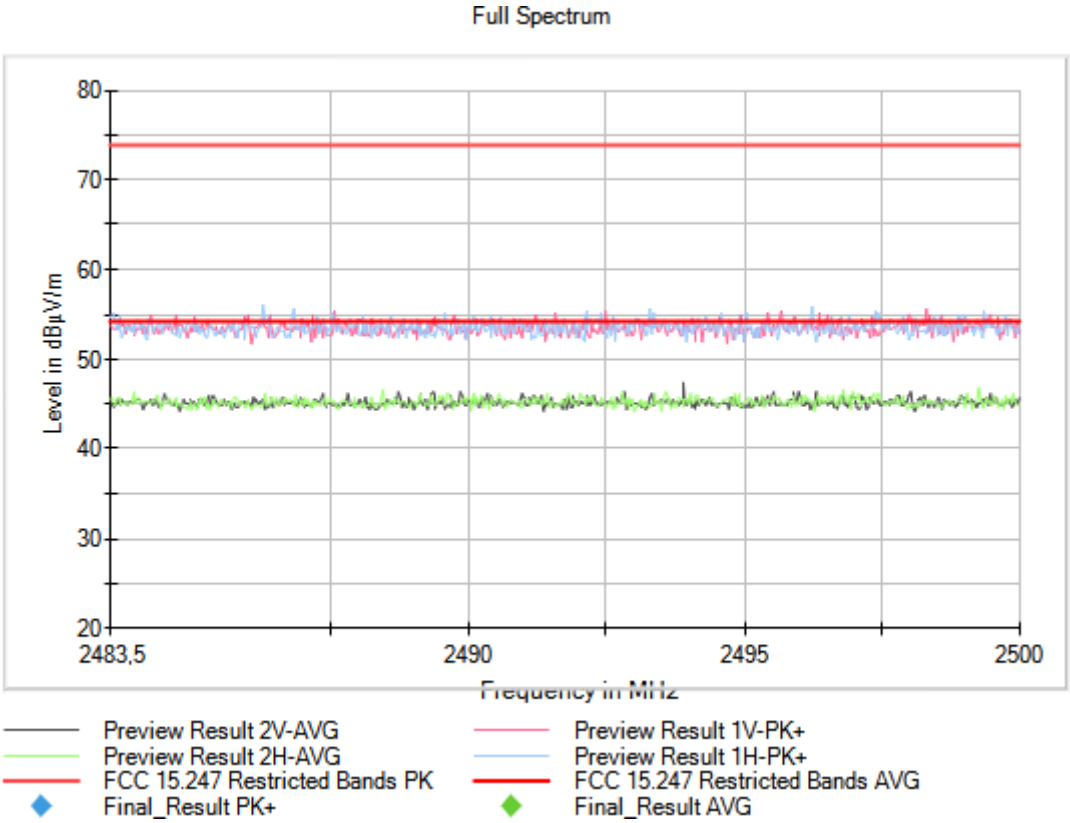
Active Port = 1

Images:



Full Spectrum




Full Spectrum
Level in dBµV/m
80
70
60
50
40
30
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2483,5
2490
2495
2500
Frequency in MHz
Preview Result 2V-AVG
Preview Result 2H-AVG
FCC 15.247 Restricted Bands PK
Final_Result PK+
Preview Result 1V-PK+
Preview Result 1H-PK+
FCC 15.247 Restricted Bands AVG
Final_Result AVG

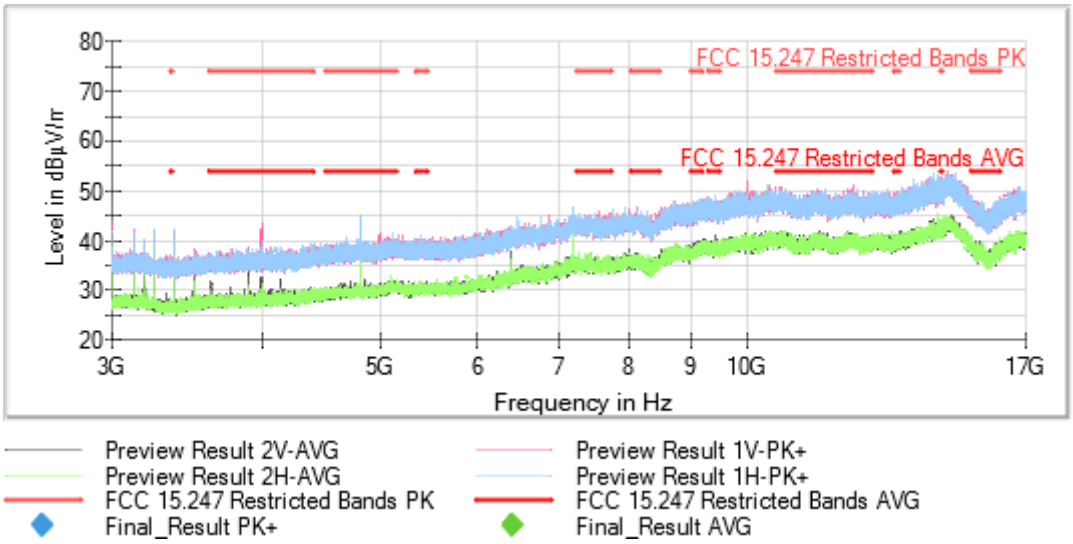
Frequency Range GHz = [3, 17] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (8DPSK) Frequency MHz = 2402.00000

MIMO Mode = SISO Measurement Point = 1

Active Port = 1

Images:



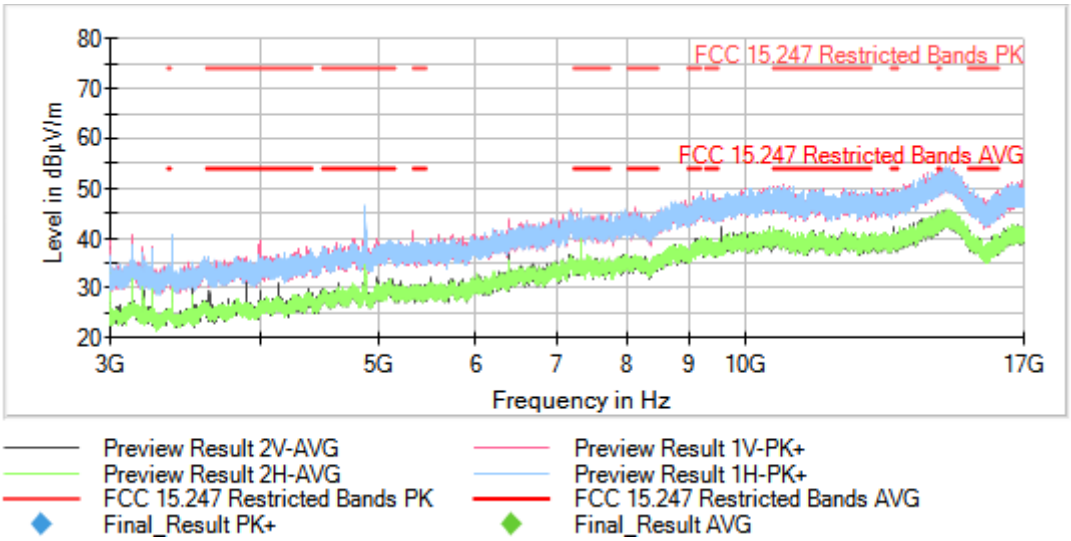
Frequency Range GHz = [3, 17] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (8DPSK) Frequency MHz = 2440.00000

MIMO Mode = SISO Measurement Point = 1

Active Port = 1

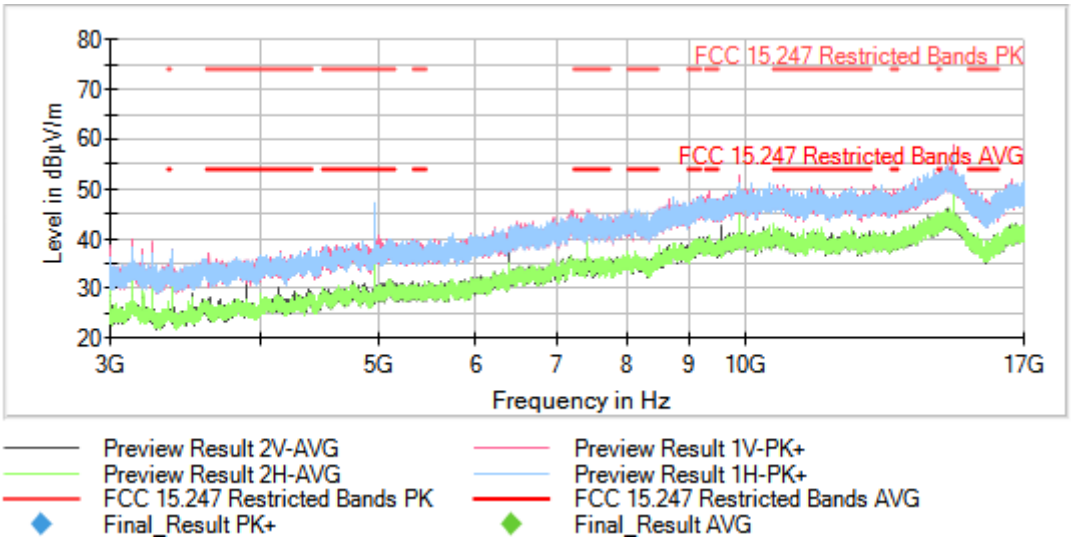
Images:



Frequency Range GHz = [3, 17] Equipment Type = Frequency Hopping Spread Spectrum systems (DSS)

Modulation = BT (8DPSK) Frequency MHz = 2480.00000

MIMO Mode = SISO Measurement Point = 1

Active Port = 1

Images: