

ISED CABid: ES1909
 Lab. Company Number: 4621A

Test Report No:
 72676RRF.005A2

Partial Test Report

USA FCC Part 15.247, 15.209

CANADA RSS-247, RSS-Gen

(*) Identification of item tested	Continuous Positive Airway Pressure (CPAP) Device
(*) Trademark	ResMed
(*) Model and /or type reference	39485
(*) Derived Model not tested:	39523,39524,39525,39526,39527,39528
Other identification of the product	FCC ID: 2ACHL-AIR11M1U IC: 9103A-AIR11M1U
(*) Features	LTE Cat-M1, BLE HW version: R390-7667 SW version: SW04600
Applicant	ResMed Pty Ltd 1 Elizabeth Macarthur Drive, Bella Vista, NSW, 2153
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 1 (Mar. 2019) + Amendment 2 (Feb. 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
Date of issue	2023-03-27
Report template No.	FDT08_24 (* "Data provided by the client")

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Acronyms

Acronym ID	Acronym Description
# of Tx Chains	Number of Transmission Chains
BW	Bandwidth
Detector	Detector used
Equipment	Equipment Type
Freq	Frequency
Freq Rng	Frequency Range
Mod	Modulation
Peak Power	Maximum Peak Conducted Output Power
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 is a FCC-recognized accredited testing laboratory with appropriate scope of accreditation that covers the performed tests in this report.

DEKRA Testing and Certification 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

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2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA Testing and Certification S.A.U.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA Testing and Certification S.A.U. and the Accreditation Bodies.

Uncertainty

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

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

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

The total uncertainty of the measurement system for the radiated emissions of EUT from 17 GHz to 26 GHz is:
Measurement uncertainty $\leq \pm 5,51$ dB with factor ($k = 2$).

The total uncertainty of the measurement system for the conducted testing of EUT is:

RF Peak Output Power: Measurement uncertainty $\leq \pm 0,80$ dB

RF Average Output Power: Measurement uncertainty $\leq \pm 0,99$ dB

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 Continuous Positive Airway Pressure (CPAP) Device. CPAP device with integrated cellular and Bluetooth connectivity.
3. Derived models not tested. These models have been declared by the supplier of the sample as being the same as the model under test.



Date: 30-Nov-2022

DECLARATION OF EQUIVALENCE

This document declares that the following designated products are equivalent to the unit under test **39485**.

Model Name / Product Code	Marketing Name
39523	AirSense 11 AutoSet USA
39524	AirSense 11 CPAP USA
39525	AirSense 11 Elite USA
39526	AirSense 11 AutoSet CAN
39527	AirSense 11 CPAP CAN
39528	AirSense 11 Elite CAN

All the above stated products and the unit under test - 39485 have the same cellular hardware and firmware.

Applicant:

Company Name: ResMed Pty Ltd
Address: 1 Elizabeth Macarthur Drive,
Bella Vista NSW 2153
Australia

By,



Christopher Jenkins
Title: Manager – Systems Engineering
Company: ResMed Pty Ltd
Telephone: +61 2 8884 1517
e-mail: Christopher.jenkins@resmed.com.au

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	72676_1.1	Continuous Positive Airway Pressure (CPAP) Device	Air11	22222172433	2022-10-03	Element Under Test
S/01	72943_20.1	AC/DC adapter	390000	0001RG02	2022-08-02	Element Under Test
S/01	72943_27.1	Power cord	--	--	2022-08-02	Element Under Test

Notes referenced to samples during the project:

Id	Type
S/01	The RF Output Power conducted tests.

Id	Control Number	Description	Model	Serial No.	Date of Reception	Application
S/01	72676_3.1	Continuous Positive Airway Pressure (CPAP) Device	Air11	22222172432	2022-10-03	Element Under Test
S/01	72676_7.1	AC/DC adapter	390000	02GNXL04	2022-10-03	Element Under Test
S/01	72676_9.1	Power cord	--	--	2022-10-03	Element Under Test
S/01	64240_7.1	Climate line	AIR11	--	2020-12-29	Element Under Test

Notes referenced to samples during the project:

Id	Type
S/01	The Radiated tests.

Test sample description

Ports..... :	Port name and description	Cable			
		Specified max length [m]	Attached during test	Shielded	Coupled to patient ⁽³⁾
	Power	[X]	[]	[]
	[]	[]	[]

Supplementary information to the ports..... :						
Rated power supply	Voltage and Frequency		Reference poles				
			L1	L2	L3	N	PE
	<input checked="" type="checkbox"/>	AC: 100-240V~50-60 Hz 2.0A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	AC: 115V~400Hz 1.5A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	DC: 12V (DC-DC for Vehicle Use)					
<input checked="" type="checkbox"/>	DC: 24V (DC-DC for Vehicle Use)						
Rated Power						
Clock frequencies..... :	N/A						
Other parameters	390000 (PSU Model Number)						
Software version	SW04600 (DUT)						
Hardware version	R390-7667						
Dimensions in cm (W x H x D)	138.5 mm x 259.4 mm x 94.5 mm						
Mounting position	<input checked="" type="checkbox"/>	Table top equipment					
	<input type="checkbox"/>	Wall/Ceiling mounted equipment					
	<input type="checkbox"/>	Floor standing equipment					
	<input type="checkbox"/>	Hand-held equipment					
	<input type="checkbox"/>	Other:					
Modules/parts..... :	Module/parts of test item		Type	Manufacturer			
	Wireless Module		SARA-R5	U-blox			
	Bluetooth LE		EFR32BG22	SiLabs			
			
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

ResMed Pty Ltd
 1 Elizabeth Macarthur Drive, Bella Vista, NSW, 2153

Testing period and place

Test Location	DEKRA Testing and Certification S.A.U.
Date (start)	2022-10-06
Date (finish)	2022-10-20

Document history

Report number	Date	Description
72676RRF.005	2022-12-29	First release.
72676RRF.005A1	2023-01-31	Second release. - Corrected typos and measurement method for conducted output power.
72676RRF.005A2	2023-03-27	Third release. The following tests are included: - Emission limitations radiated (Transmitter).

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 semi-anechoic 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 chamber for conducted measurements, 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, José Arturo Chica.

Used instrumentation:

Conducted tests:

Control No.	Equipment	Model	Manufacturer	Next Calibration
6793	SHIELDED ROOM	S101	ETS LINDGREN	--
7794	SIGNAL AND SPECTRUM ANALYZER 10Hz-40GHz	FSV40	ROHDE AND SCHWARZ	2023-02-26
7039	OPEN SWITCH UNIT UP TO 6 GHz	OSP-B157W8	ROHDE AND SCHWARZ	2023-03-18
7798	EMC/RF MEASUREMENT SOFTWARE	WMS32	ROHDE AND SCHWARZ	--

Radiated tests:

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	Biconical/Log Antenna 30 MHz - 6 GHz	3142E	ETS LINDGREN	2023-04
6142	RF Preamplifier, G>38dB 30MHz-6GHz	BLNA 0360-01N	BONN ELEKTRONIK	2023-06
6165	EMI Test Receiver 7 GHz	ESR7	ROHDE AND SCHWARZ	2023-11
4609	AC Power Supply	6490	CHROMA	2022-12
4611	Horn Antenna 1-18 GHz	BBHA 9120 D	SCHWARZBECK MESS-ELEKTRONIK	2022-11
4657	Horn Antenna 18-40 GHz	BBHA 9170	SCHWARZBECK MESS-ELEKTRONIK	2023-05
5705	RF Preamplifier, 40 dB, 1-18 GHz	BLMA 0118-1M	BONN ELEKTRONIK	2023-07
8856	Pre-Amplifier G>30dB 17-40GHz	BLMA 1840-4A	BONN ELEKTRONIK	2023-11
4716	Spectrum Analyzer	FSW50	ROHDE AND SCHWARZ	2024-08

Testing verdicts

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

Summary

Bluetooth Low Energy 5.0 (1M)

FCC PART 15 / RSS-247			
Requirement – Test case		Verdict	Remark
FCC 15.247 (a)(2) / RSS-247 5.2 (a)	6 dB Bandwidth	N/M	(1)
FCC 15.247 (b) / RSS-247 5.4 (d)	Maximum output power and antenna gain	P	
FCC 15.247 (e) / RSS-247 5.2 (b)	Power spectral density	N/M	(1)
FCC 15.247 (d) / RSS-247 5.5	Band-edge emissions compliance (Transmitter)	N/M	(1)
FCC 15.247 (d) / RSS-247 5.5	Emission limitations radiated (Transmitter)	P	
<u>Supplementary information and remarks:</u>			
(1) Test not requested.			

Appendix A: Test results. Bluetooth Low Energy 5.0 (1M)

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TEST CONDITIONS

(*): Data provided by the client.

POWER SUPPLY (*):

Vnominal: Preliminary scan determined 115Vac / 60Hz as worst case of power supply.
Type of Power Supply: External power supply.

ANTENNA (*):

Type of Antenna: Integral
Maximum Declared Antenna Gain: 3.31 dBi

TEST FREQUENCIES (*):

Low Channel: 2402 MHz
Middle Channel: 2440 MHz
High Channel: 2480 MHz

CONDUCTED MEASUREMENTS:

The equipment under test was set up in a shielded room and connected to the TS8997 test bench using a low-loss RF cable. The reading of the spectrum analyser is corrected taking into account the cable loss.



TEST CASES DETAILS

FCC 47 CFR Part 15.247 / RSS-247 RSS-247 5.4 (d) / FCC 15.247 (b) (3) Maximum output power and antenna gain

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) (RSS-247).

Results

The maximum average conducted output power level in the fundamental emission was measured according to clause 11.9.2.3.2 "Method AVGPM-G" of ANSI C.63.10-2013.

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

Maximum Declared Antenna Gain: 3.31 dBi

The maximum directional gain of the antenna is less than 6 dBi and therefore the maximum output power is not required to be reduced from the stated values.

Modulation: BLE 5.0 (GFSK 1 Mbit/s)

Freq (MHz)	Average Conducted Output Power (dBm)	Maximum EIRP Power (dBm)
2402.00000	-0.228	3.082
2440.00000	-0.623	2.687
2480.00000	-0.550	2.760

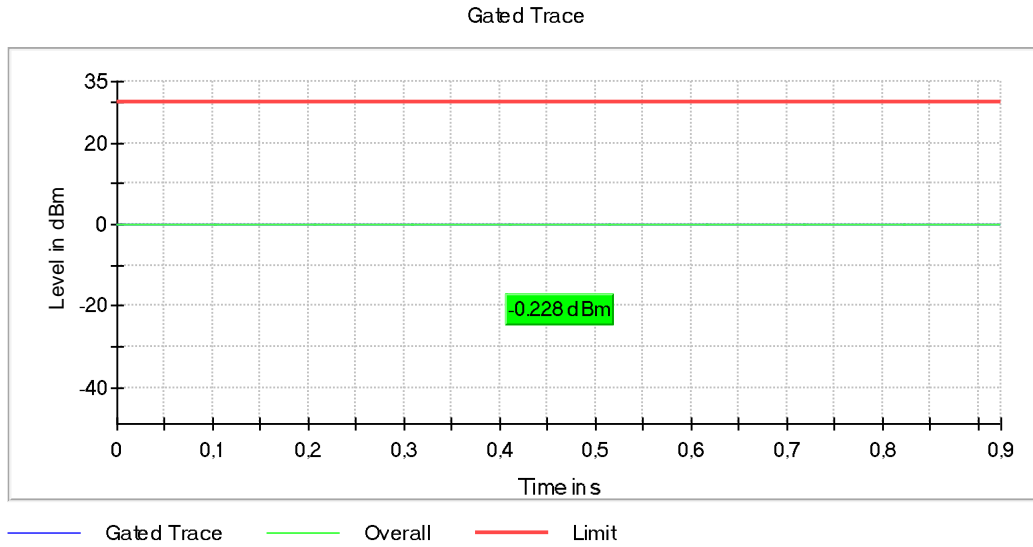
Verdict

Pass

Attachments

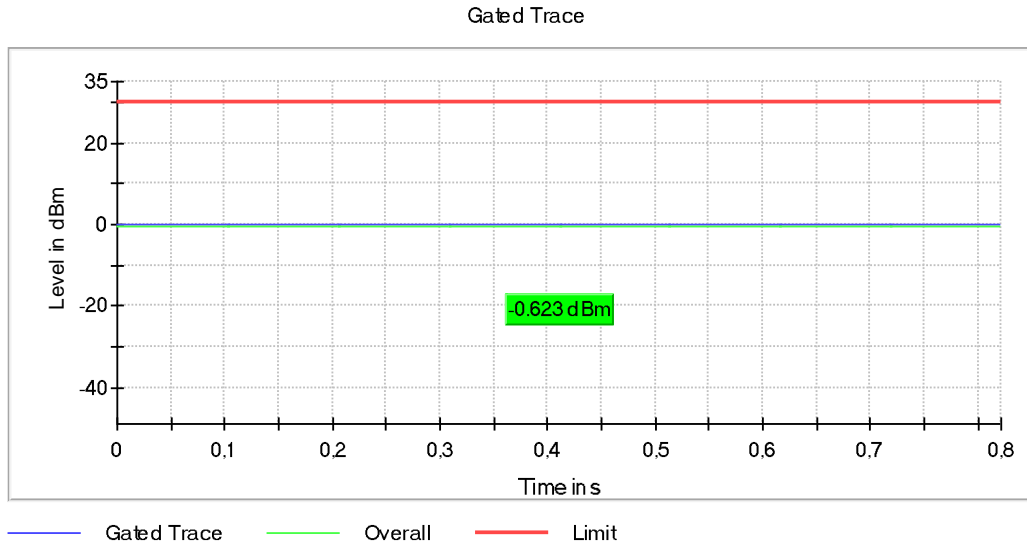
Frequency (MHz) = 2402.00000, Equipment Type: Digital Transmission System (DTS), Bandwidth (MHz) = 1, Modulation: BLE 5.0 (GFSK 1 Mbit/s), Number of Transmission Chains = 1, Active Port = 1

Images:



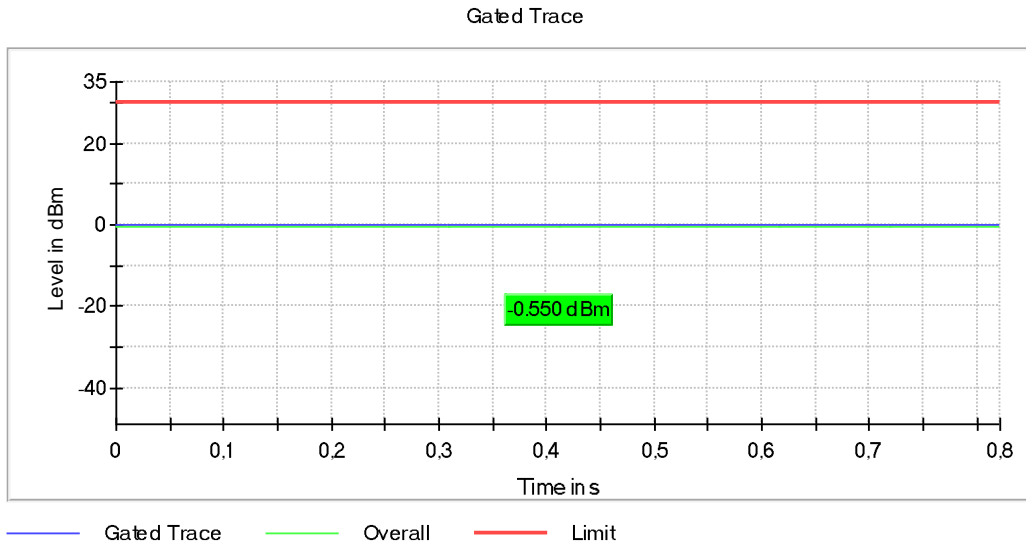
Frequency (MHz) = 2440.00000, Equipment Type: Digital Transmission System (DTS), Bandwidth (MHz) = 1,
Modulation: BLE 5.0 (GFSK 1 Mbit/s), Number of Transmission Chains = 1, Active Port = 1

Images:



Frequency (MHz) = 2480.00000, Equipment Type: Digital Transmission System (DTS), Bandwidth (MHz) = 1,
Modulation: BLE 5.0 (GFSK 1 Mbit/s), Number of Transmission Chains = 1, Active Port = 1

Images:



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 (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.

Modulation: BLE 5.0 (GFSK 1 Mbit/s)

Results

Freq (MHz)	Freq Rng (GHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
2402.00000	[3, 17]	10379.680	52.07	V	PK
2402.00000	[3, 17]	10652.260	52.38	H	PK
2402.00000	[3, 17]	11595.160	53.36	H	PK
2402.00000	[3, 17]	14539.640	54.48	H	PK
2402.00000	[3, 17]	7206.720	48.40	V	PK
2440.00000	[3, 17]	10389.480	52.14	V	PK
2440.00000	[3, 17]	10634.340	53.16	H	PK
2440.00000	[3, 17]	11431.360	52.50	H	PK
2440.00000	[3, 17]	14536.840	54.18	V	PK
2440.00000	[3, 17]	7319.420	48.42	V	PK
2480.00000	[3, 17]	10892.080	52.95	H	PK
2480.00000	[3, 17]	11875.440	51.13	H	PK
2480.00000	[3, 17]	7439.120	48.70	V	PK

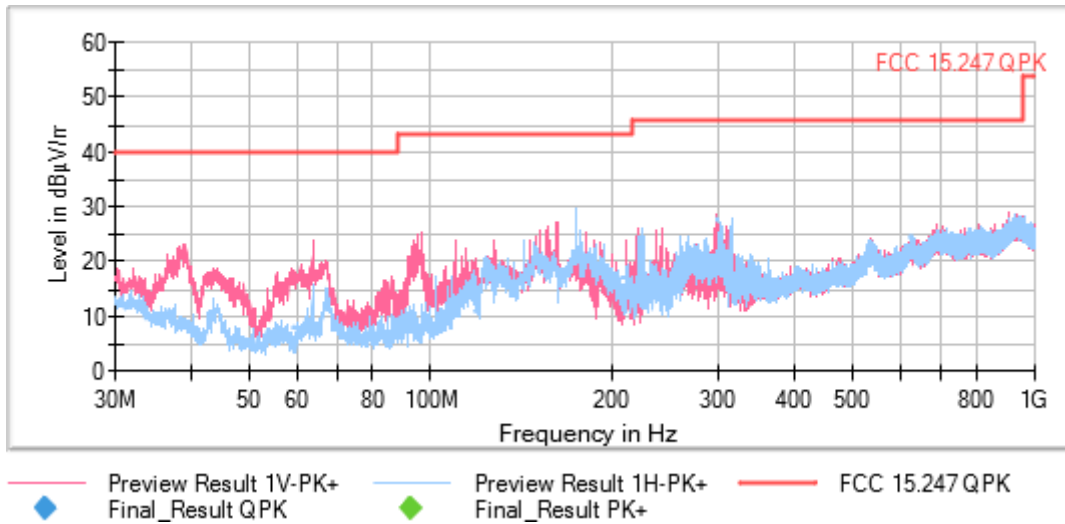
Verdict

Pass

Attachments

Frequency MHz = 2402.00000 Equipment Type = Digital Transmission System (DTS)
 Modulation = BLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [0.03, 1]
 Number of Transmission Chains = 1 Measurement Point = 1
 Active Port = 1

Images:



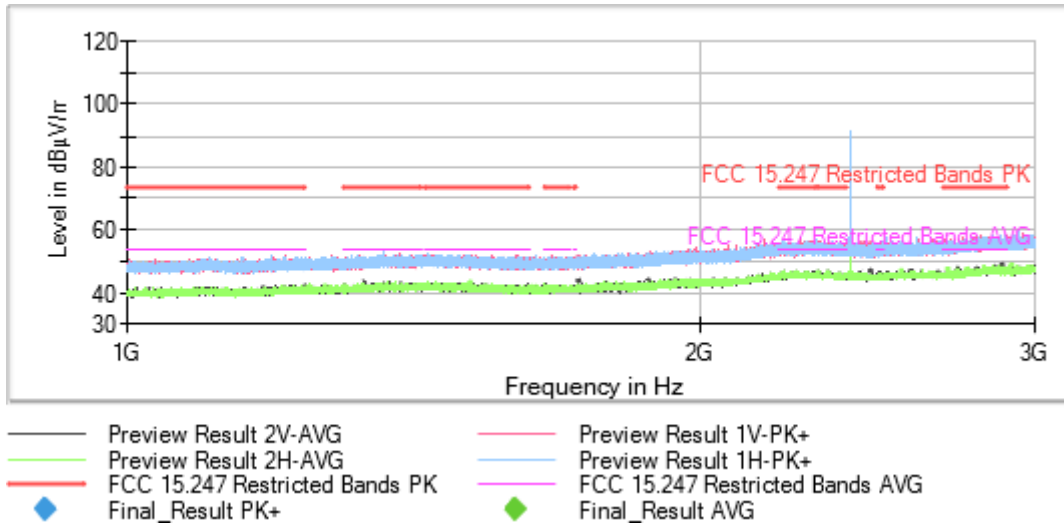
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Spectrum Analyzer Parameters

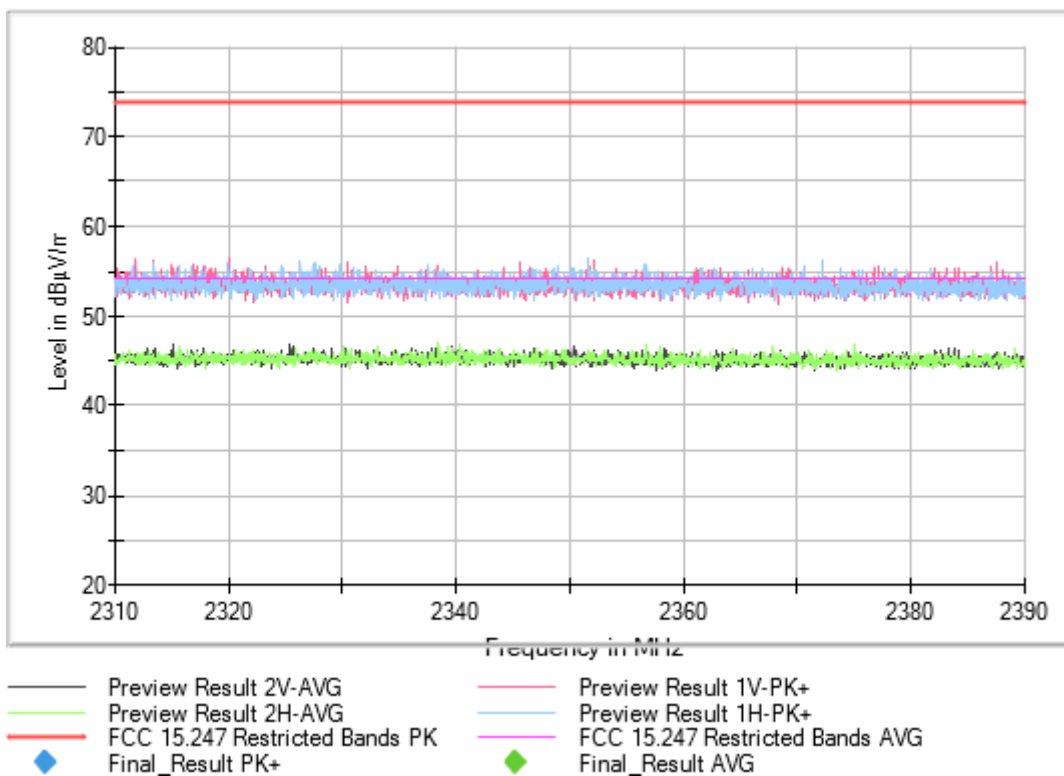
	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [ESR 7]					
	30 MHz - 1 GHz	30,312 kHz	PK+	100 kHz	1 s	0 dB

Frequency MHz = 2402.00000 Equipment Type = Digital Transmission System (DTS)
 Modulation = BLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [1, 3]
 Number of Transmission Chains = 1 Measurement Point = 1
 Active Port = 1

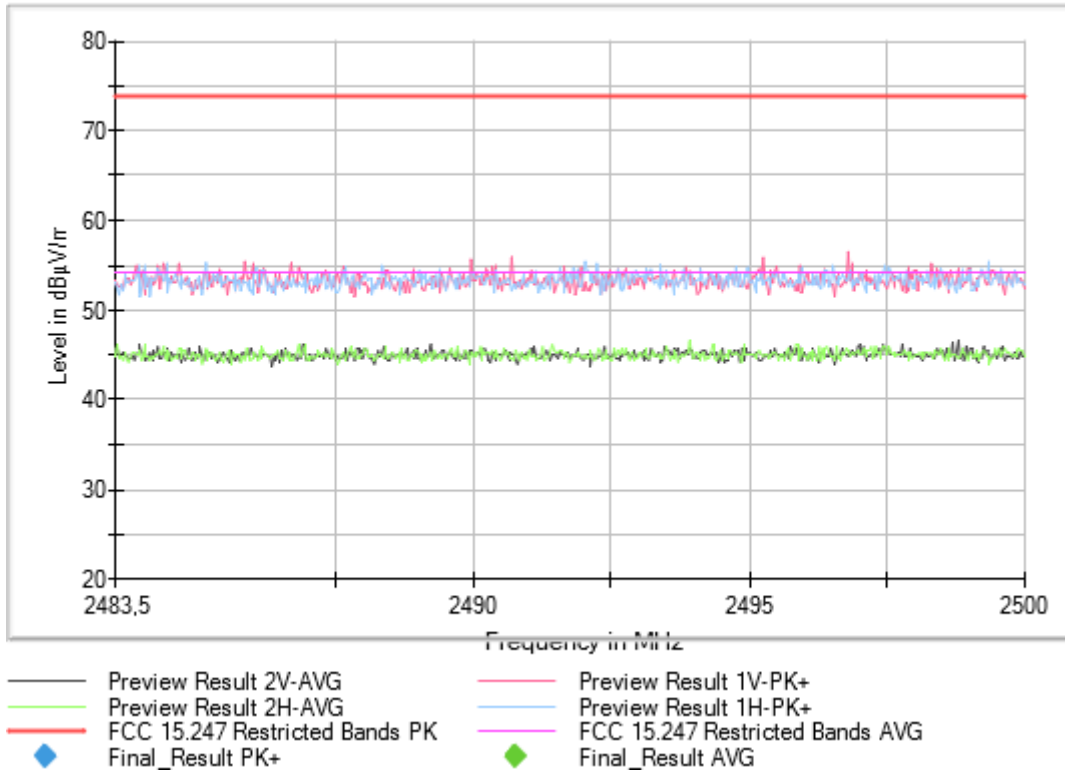
Images:



Full Spectrum



Full Spectrum

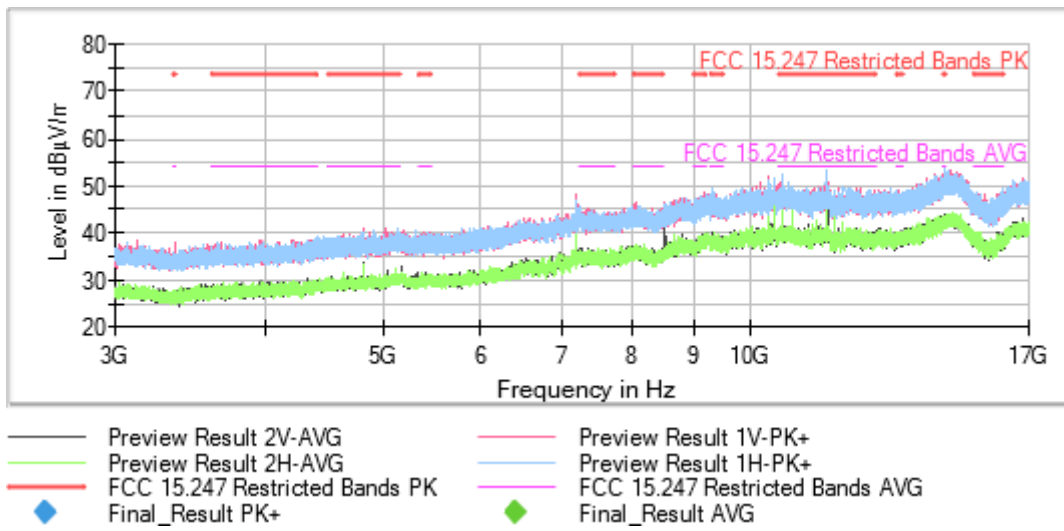


Tables:
 Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSW 50]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2402.00000 Equipment Type = Digital Transmission System (DTS)
 Modulation = BLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [3, 17]
 Number of Transmission Chains = 1 Measurement Point = 1
 Active Port = 1

Images:



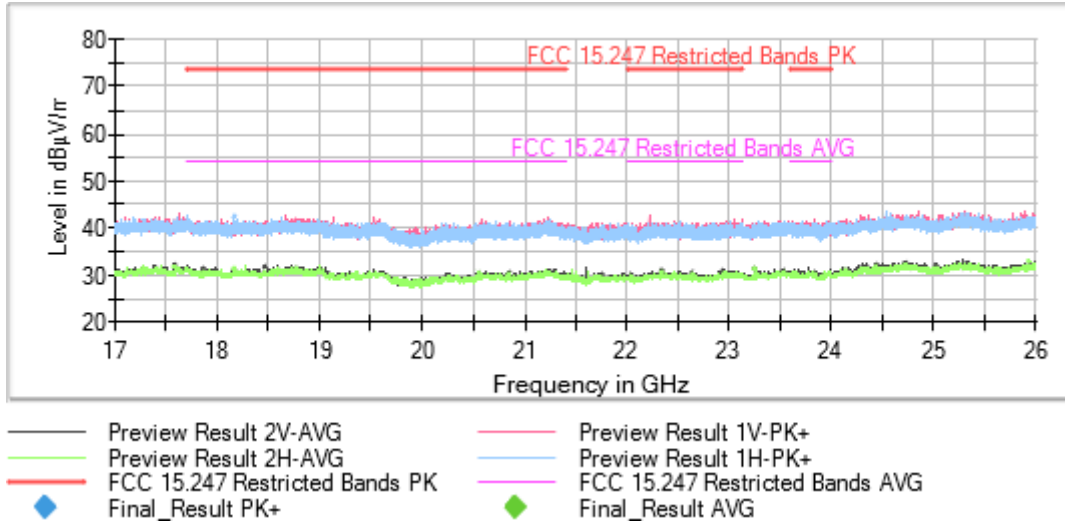
Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSW 50]					
	3 GHz - 17 GHz	140 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2402.00000 Equipment Type = Digital Transmission System (DTS)
 Modulation = BLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [17, 26]
 Number of Transmission Chains = 1 Measurement Point = 1
 Active Port = 1

Images:



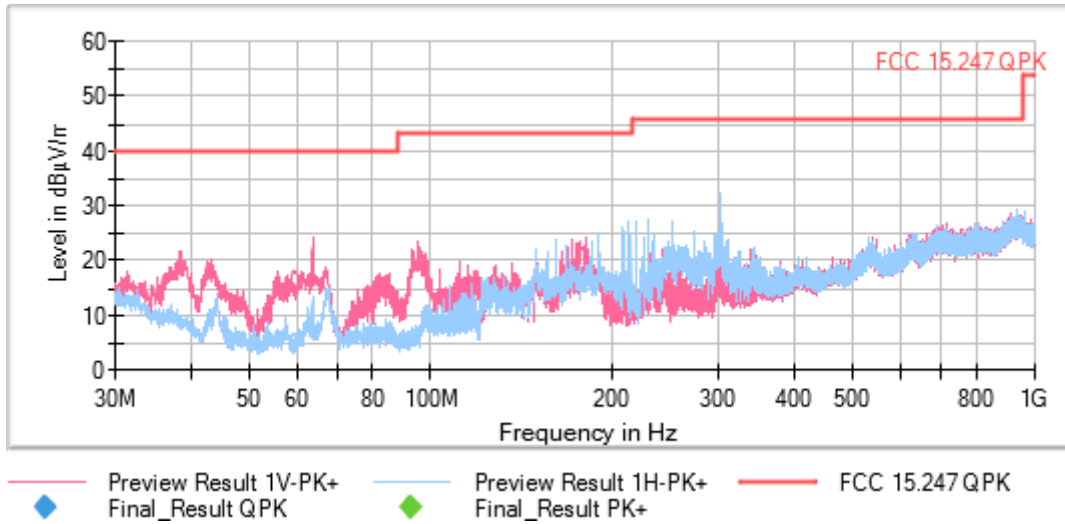
Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSW 50]					
	17 GHz - 26 GHz	300 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2440.00000 Equipment Type = Digital Transmission System (DTS)
 Modulation = BLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [0.03, 1]
 Number of Transmission Chains = 1 Measurement Point = 1
 Active Port = 1

Images:



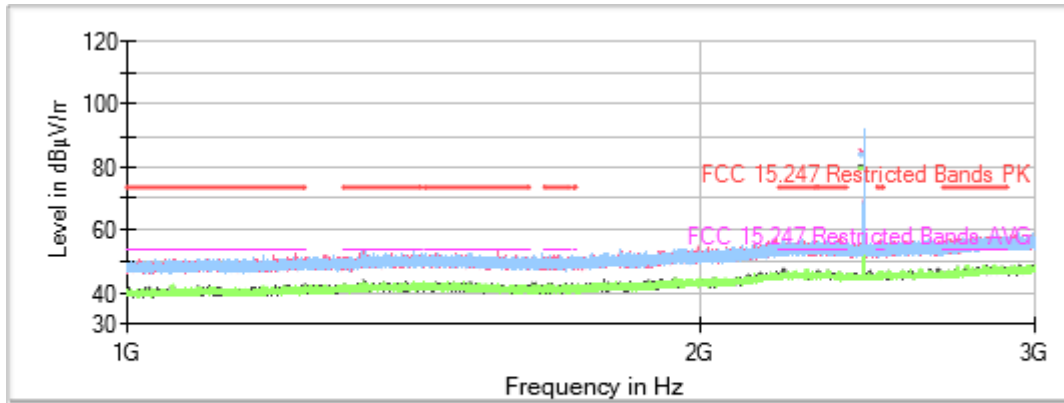
Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
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	30 MHz - 1 GHz	30,312 kHz	PK+	100 kHz	1 s	0 dB

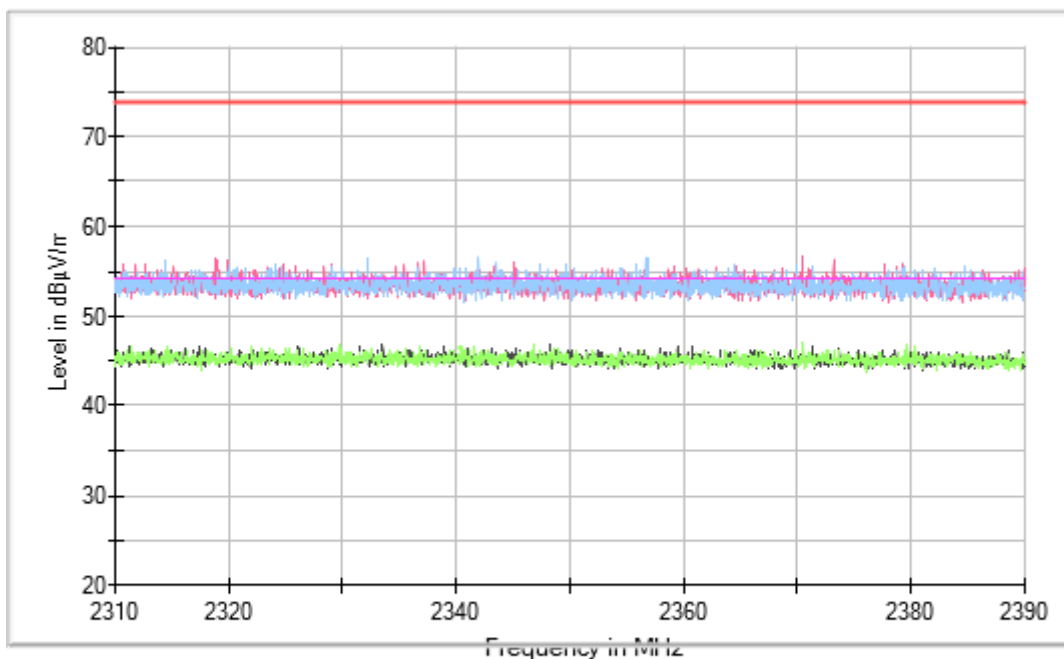
Frequency MHz = 2440.00000 Equipment Type = Digital Transmission System (DTS)
 Modulation = BLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [1, 3]
 Number of Transmission Chains = 1 Measurement Point = 1
 Active Port = 1

Images:



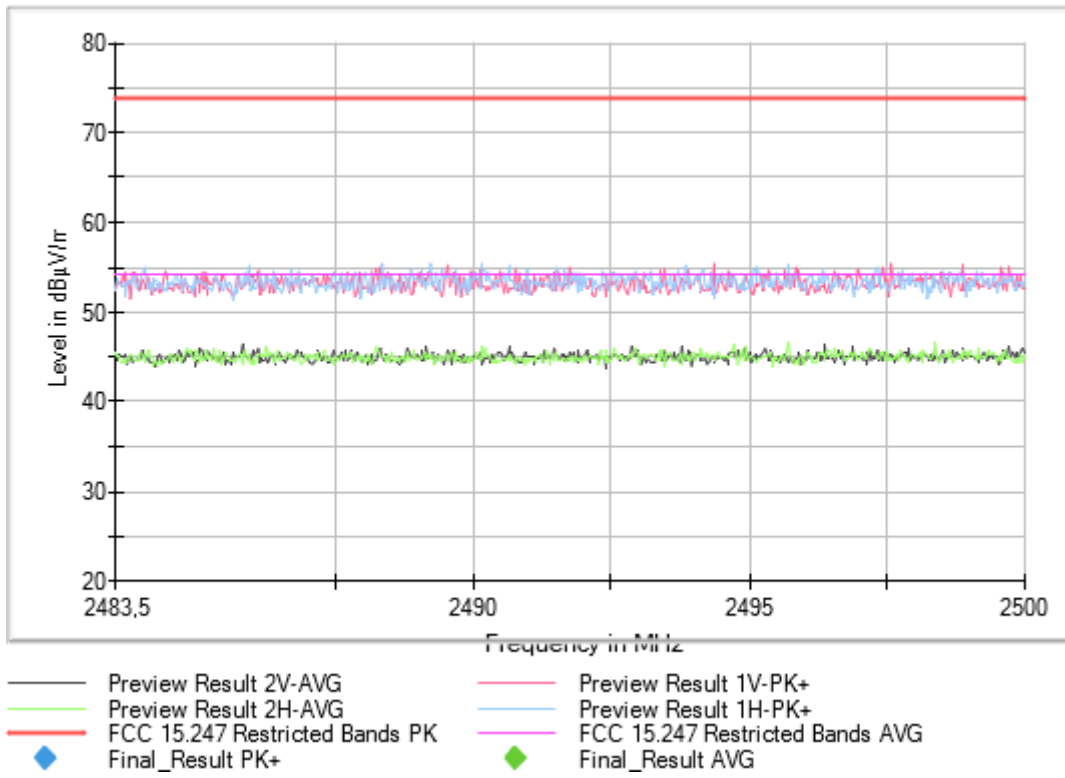
- Preview Result 2V-AVG
- Preview Result 2H-AVG
- FCC 15.247 Restricted Bands PK
- ◆ Final_Result PK+
- Preview Result 1V-PK+
- Preview Result 1H-PK+
- FCC 15.247 Restricted Bands AVG
- ◆ Final_Result AVG

Full Spectrum



- 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

Full Spectrum

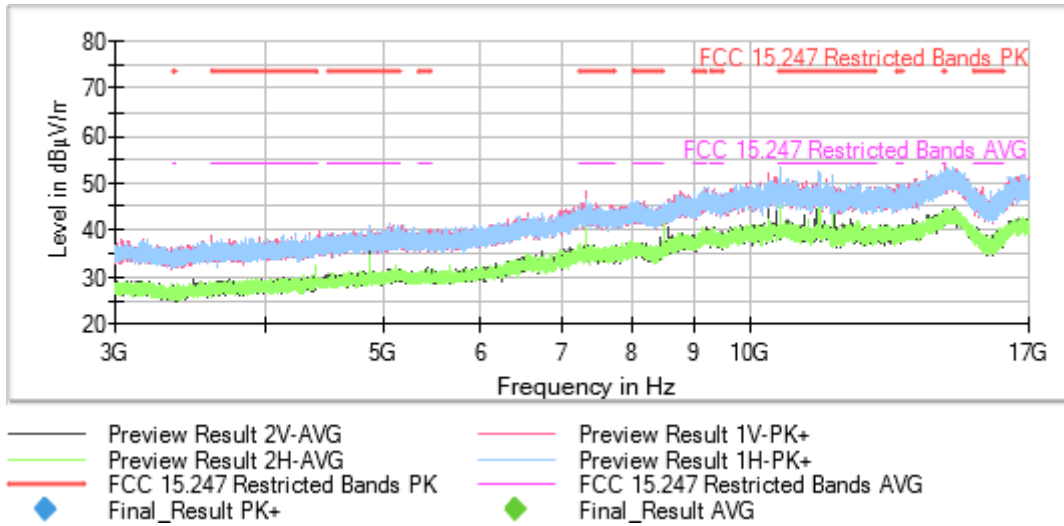


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 Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
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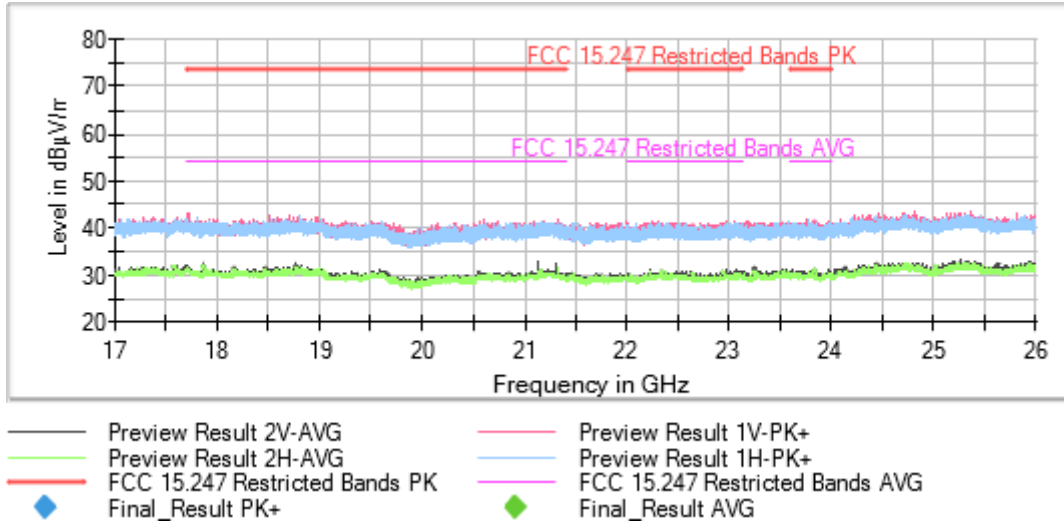
Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSW 50]					
	3 GHz - 17 GHz	140 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2440.00000 Equipment Type = Digital Transmission System (DTS)
 Modulation = BLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [17, 26]
 Number of Transmission Chains = 1 Measurement Point = 1
 Active Port = 1

Images:



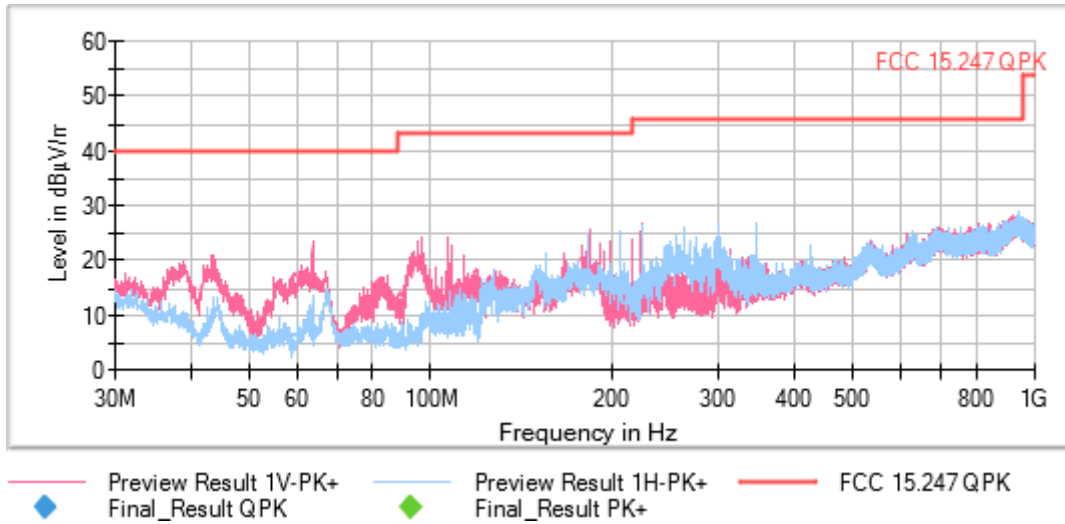
Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSW 50]					
	17 GHz - 26 GHz	300 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2480.00000 Equipment Type = Digital Transmission System (DTS)
 Modulation = BLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [0.03, 1]
 Number of Transmission Chains = 1 Measurement Point = 1
 Active Port = 1

Images:



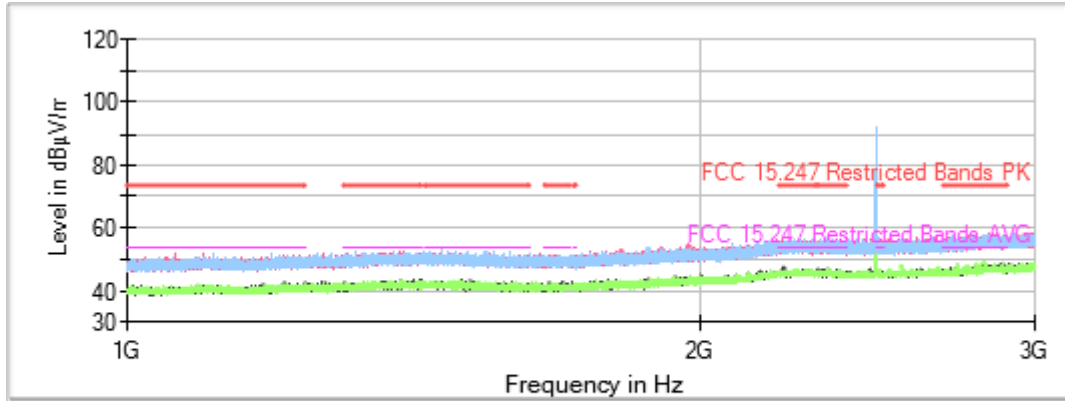
Tables:

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

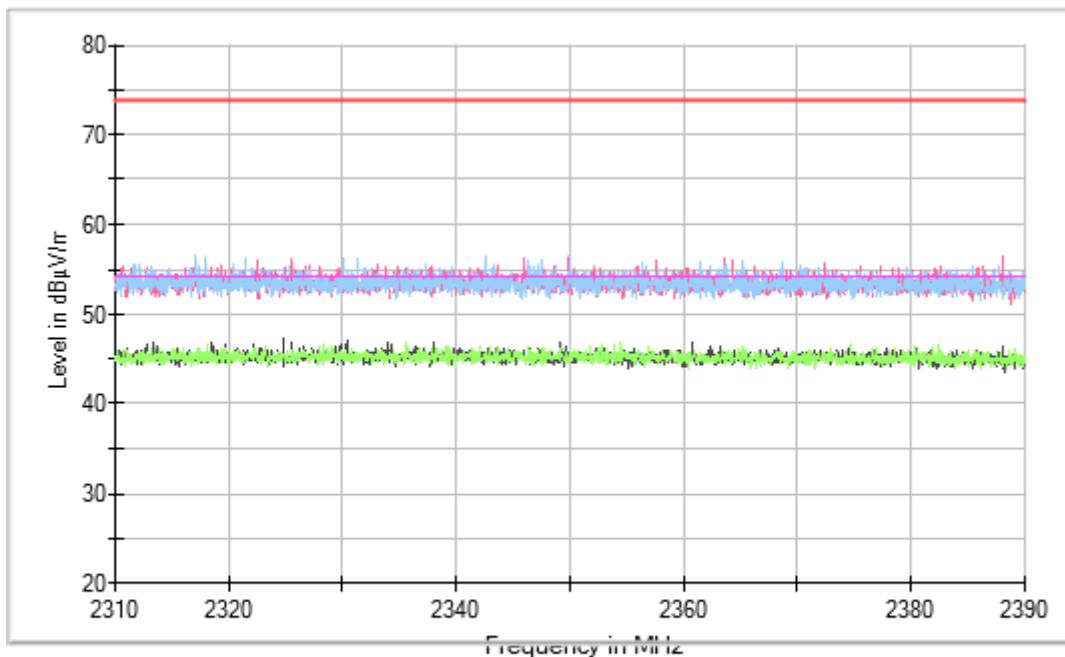
Frequency MHz = 2480.00000 Equipment Type = Digital Transmission System (DTS)
 Modulation = BLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [1, 3]
 Number of Transmission Chains = 1 Measurement Point = 1
 Active Port = 1

Images:



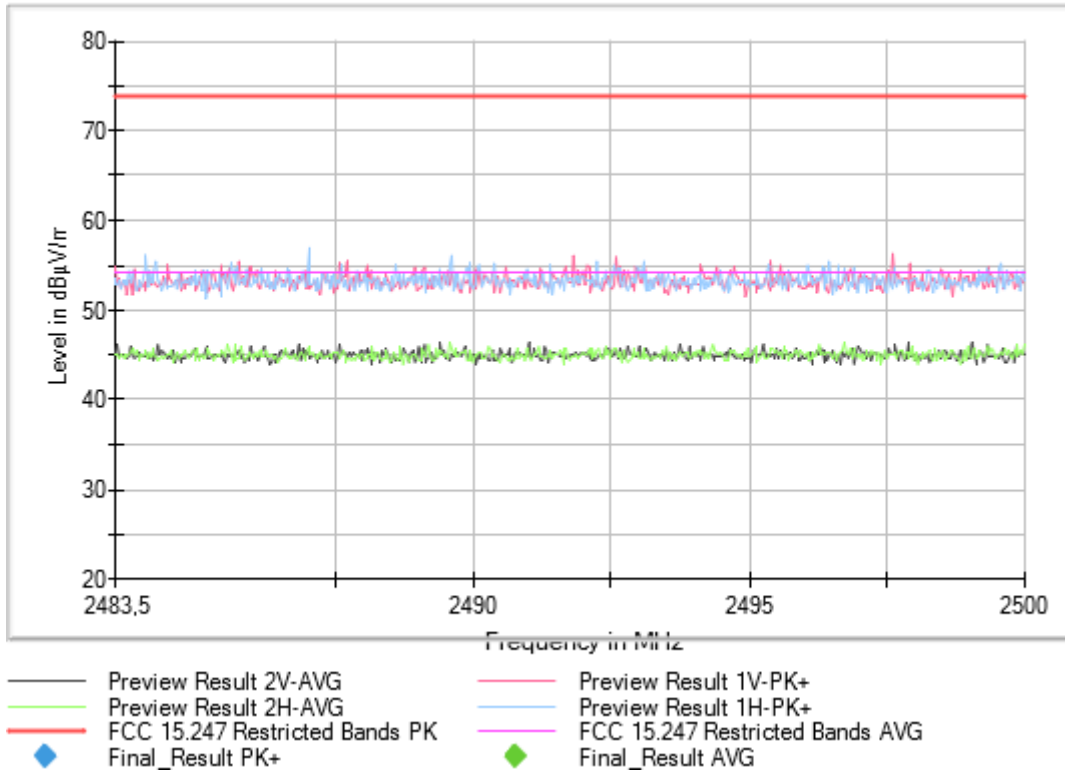
- Preview Result 2V-AVG
- Preview Result 2H-AVG
- FCC 15.247 Restricted Bands PK
- ◆ Final_Result PK+
- Preview Result 1V-PK+
- Preview Result 1H-PK+
- FCC 15.247 Restricted Bands AVG
- ◆ Final_Result AVG

Full Spectrum



- 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

Full Spectrum

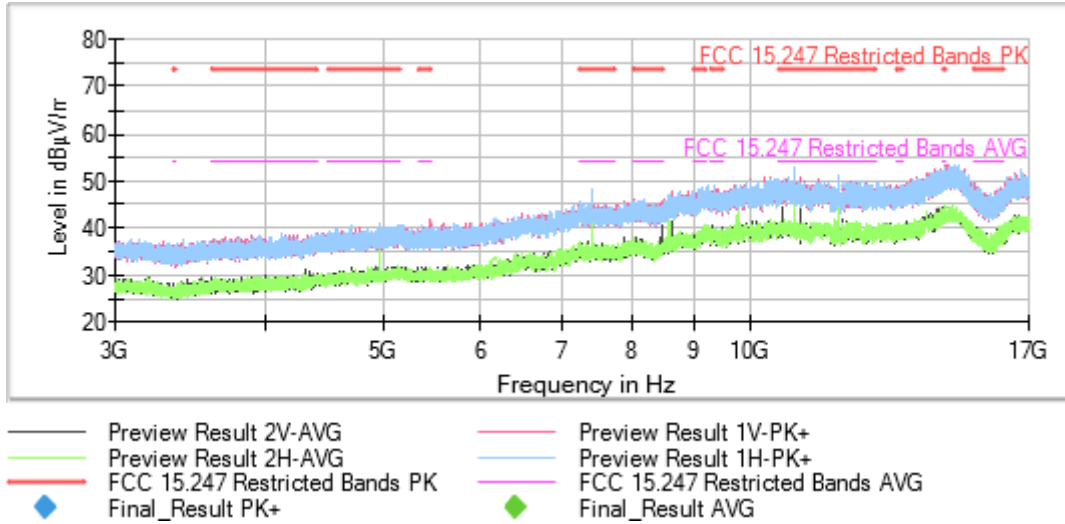


Tables:
 Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSW 50]					
	1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2480.00000 Equipment Type = Digital Transmission System (DTS)
 Modulation = BLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [3, 17]
 Number of Transmission Chains = 1 Measurement Point = 1
 Active Port = 1

Images:



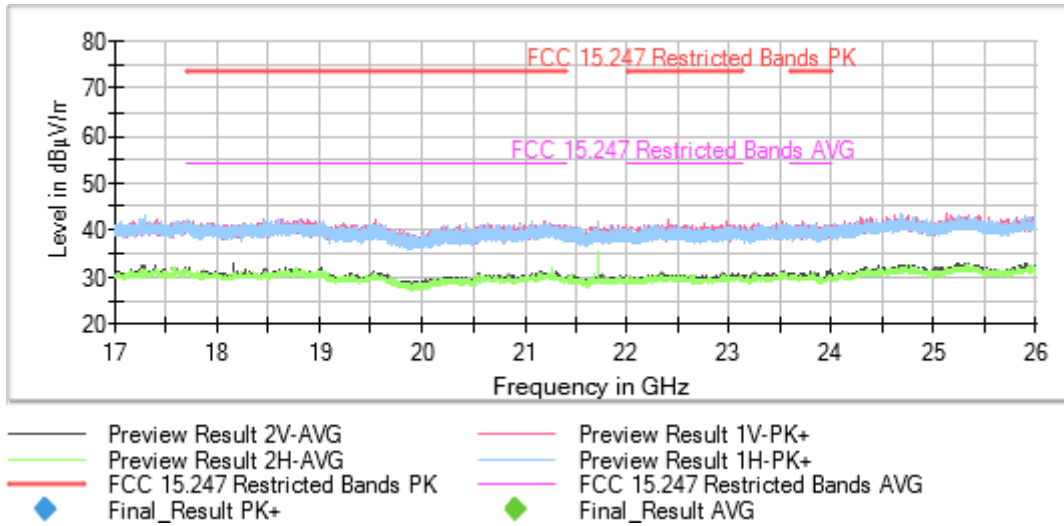
Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSW 50]					
	3 GHz - 17 GHz	140 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

Frequency MHz = 2480.00000 Equipment Type = Digital Transmission System (DTS)
 Modulation = BLE 5.0 (GFSK 1 Mbit/s) Frequency Range GHz = [17, 26]
 Number of Transmission Chains = 1 Measurement Point = 1
 Active Port = 1

Images:



Tables:

Spectrum Analyzer Parameters

	Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
	Receiver: [FSW 50]					
	17 GHz - 26 GHz	300 kHz	PK+ ; AVG	1 MHz	1 s	0 dB