

TEST CASES DETAILS

FCC 47 CFR Part 15.247 / RSS-247

RSS-247 5.2 (a) / FCC 15.247 (a) (2) [6dBw] 6 dB Bandwidth

Limits

The minimum 6 dB bandwidth shall be at least 500 kHz.

Modulation: IEEE 802.15.4 ZigBee

Results

Freq (MHz)	Emission Bandwidth (MHz)
2405.00000	1.584158
2445.00000	1.485148
2475.00000	1.465346

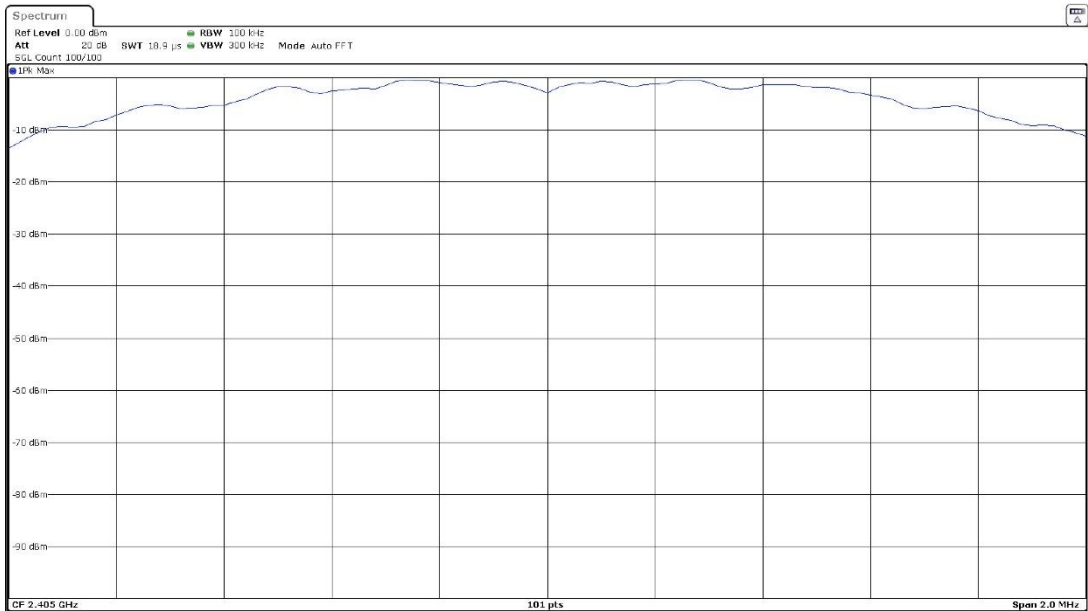
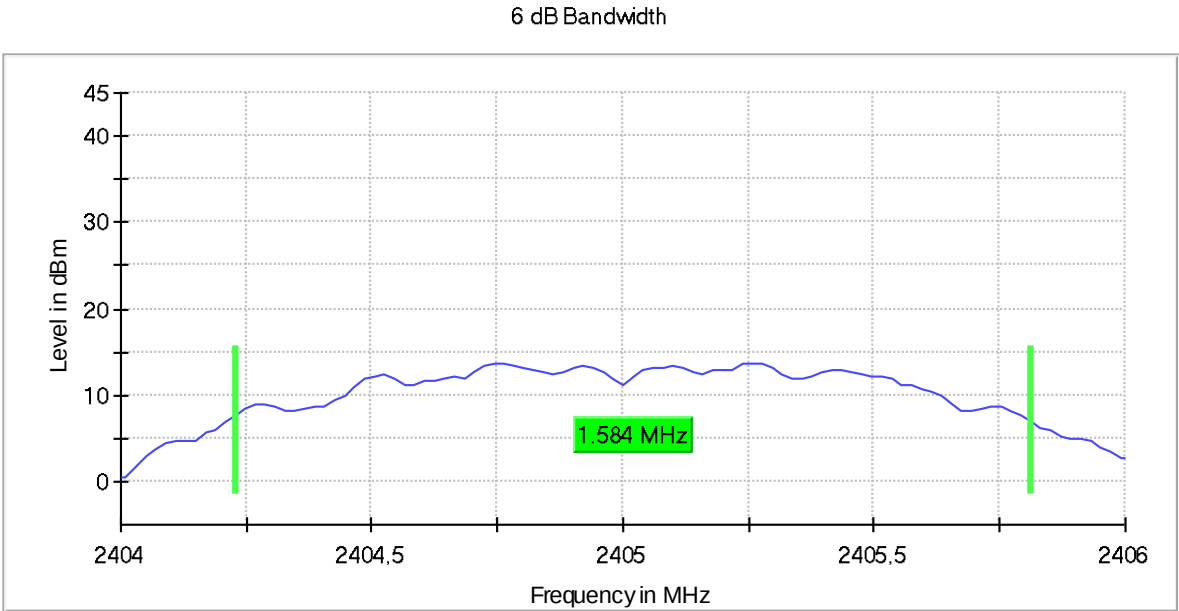
Verdict

Pass

Attachments

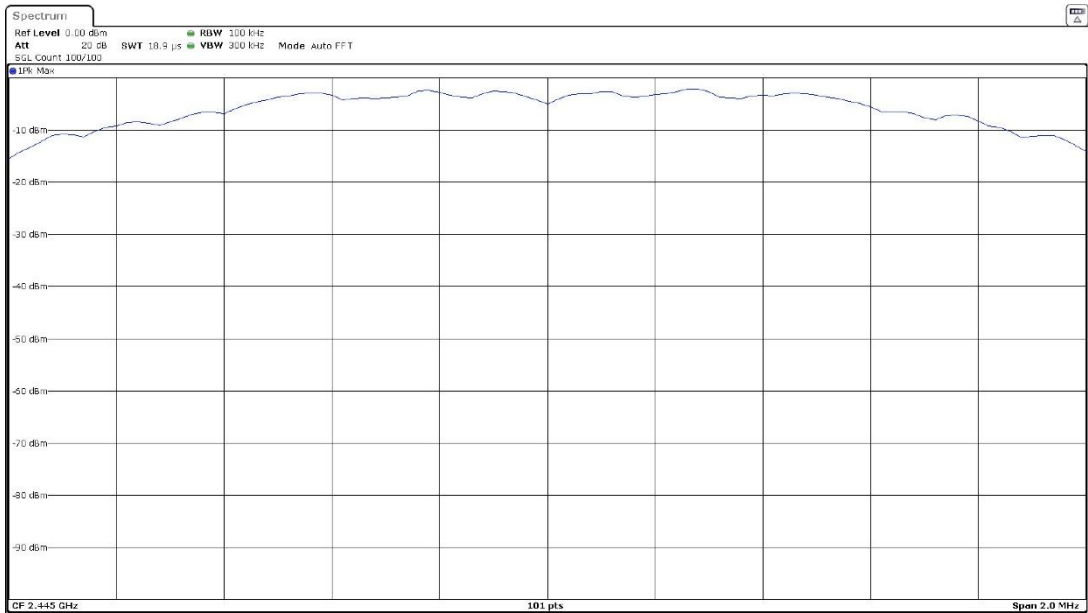
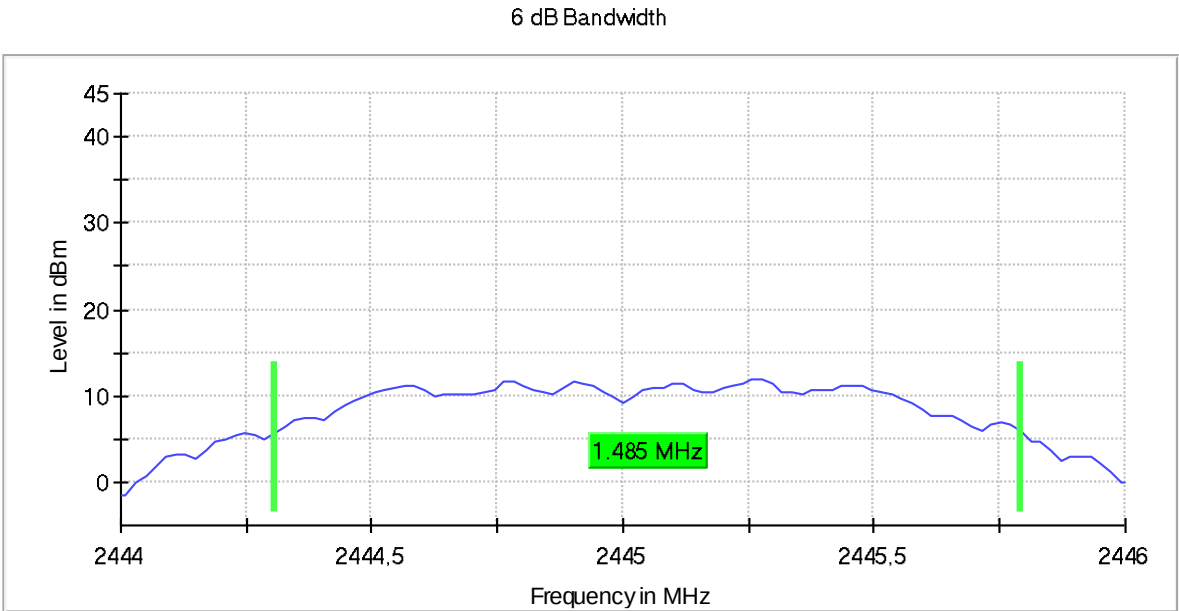
Frequency MHz = 2405.00000, Modulation = IEEE 802.15.4 ZigBee

Images:



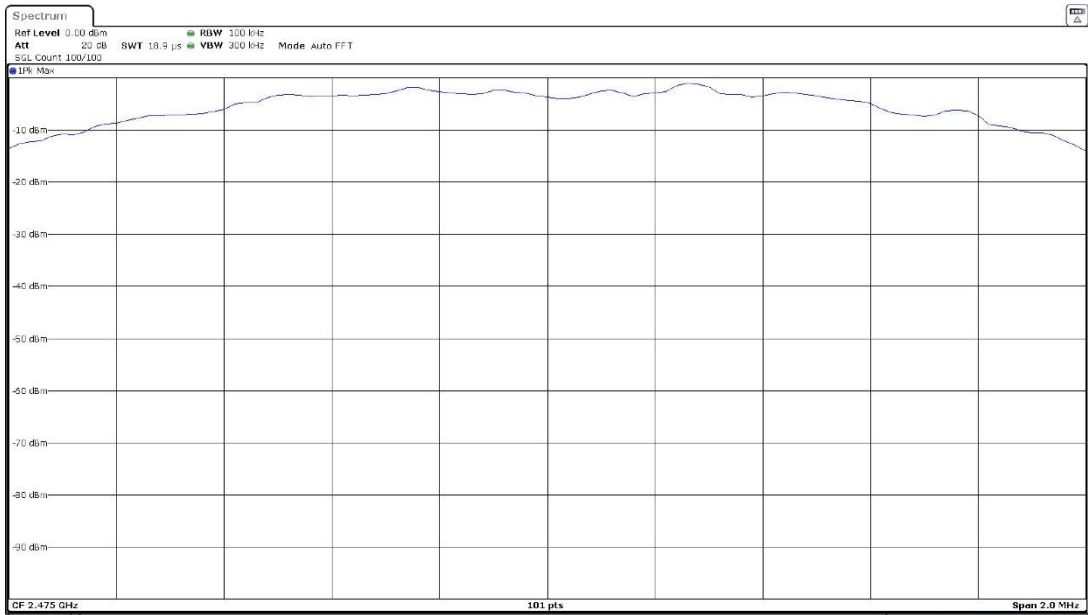
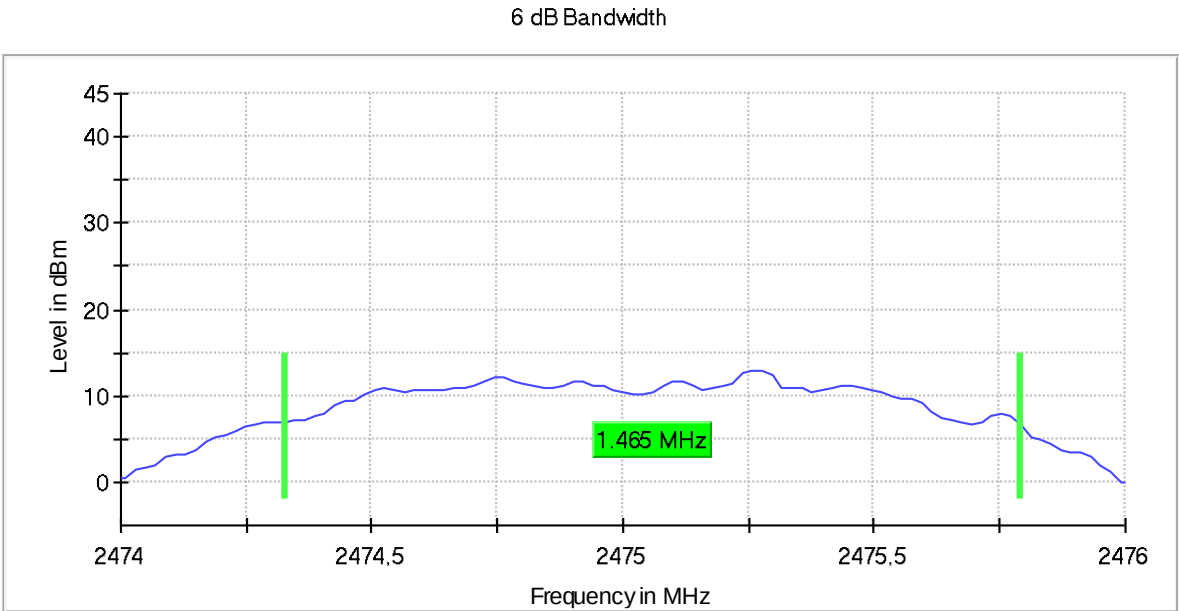
Frequency MHz = 2445.00000, Modulation = IEEE 802.15.4 ZigBee

Images:



Frequency MHz = 2475.00000, Modulation = IEEE 802.15.4 ZigBee

Images:



99dBw Occupied Channel Bandwidth 99%

Modulation: IEEE 802.15.4 ZigBee

Results

Freq (MHz)	Occ Ch BW (MHz)
2405.00000	1.865
2445.00000	1.860
2475.00000	1.860

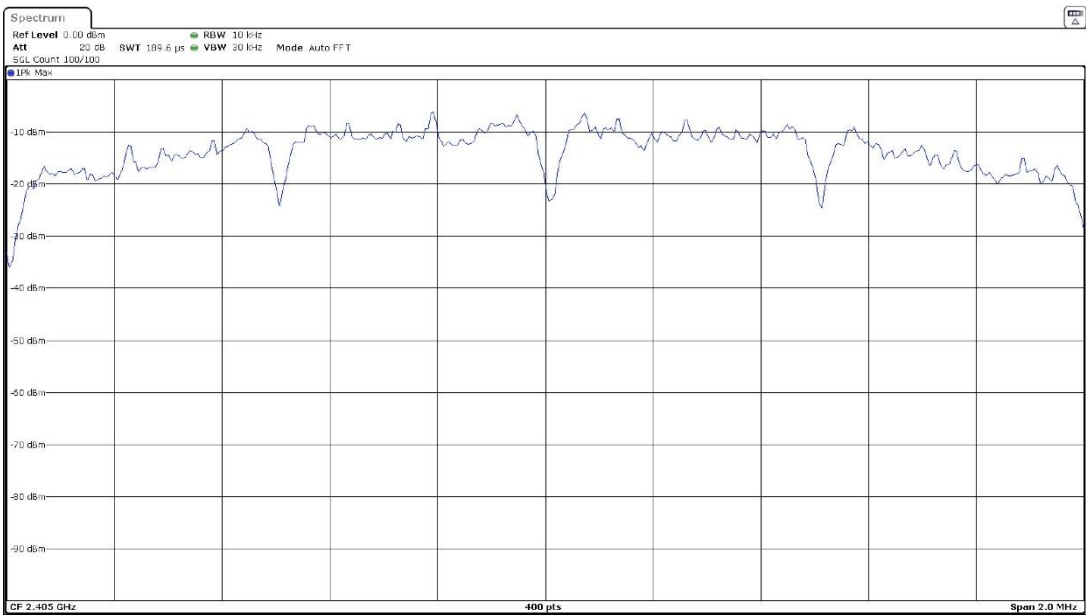
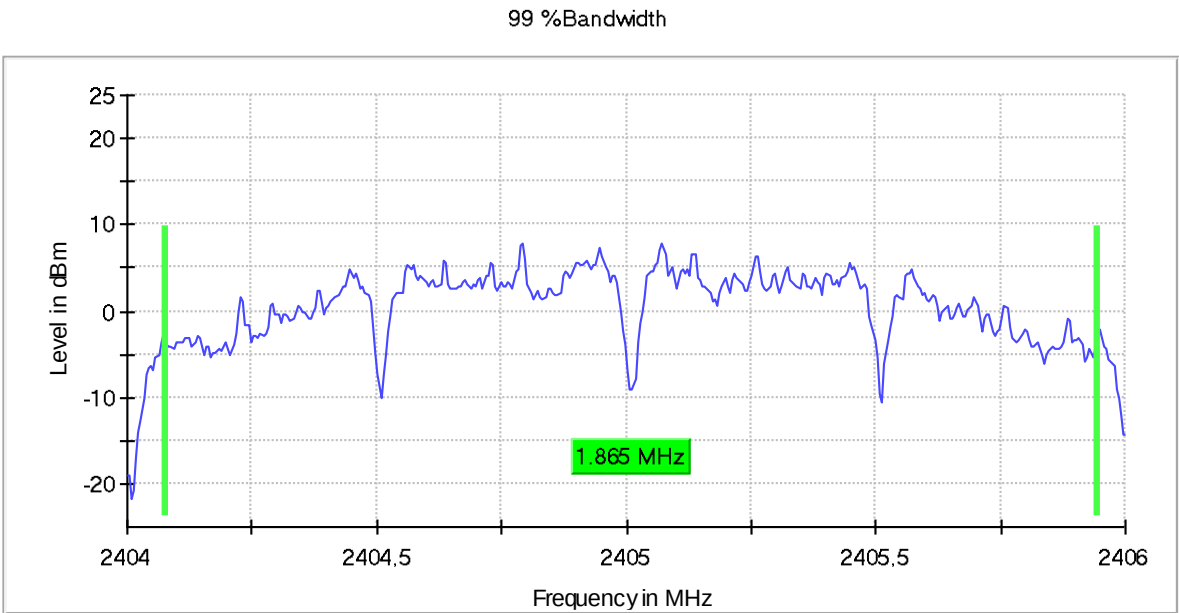
Verdict

Pass

Attachments

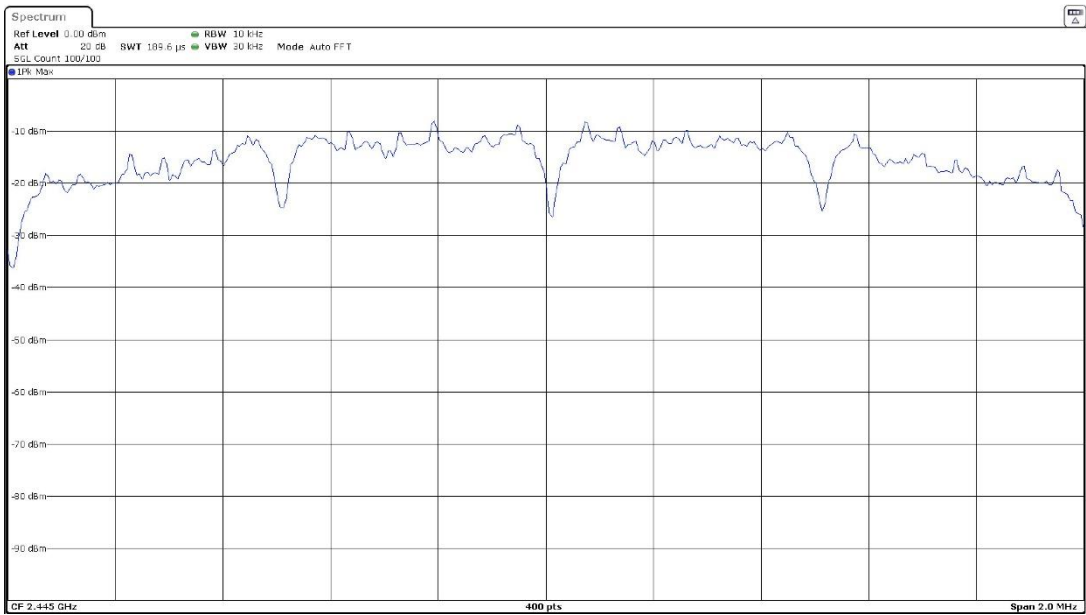
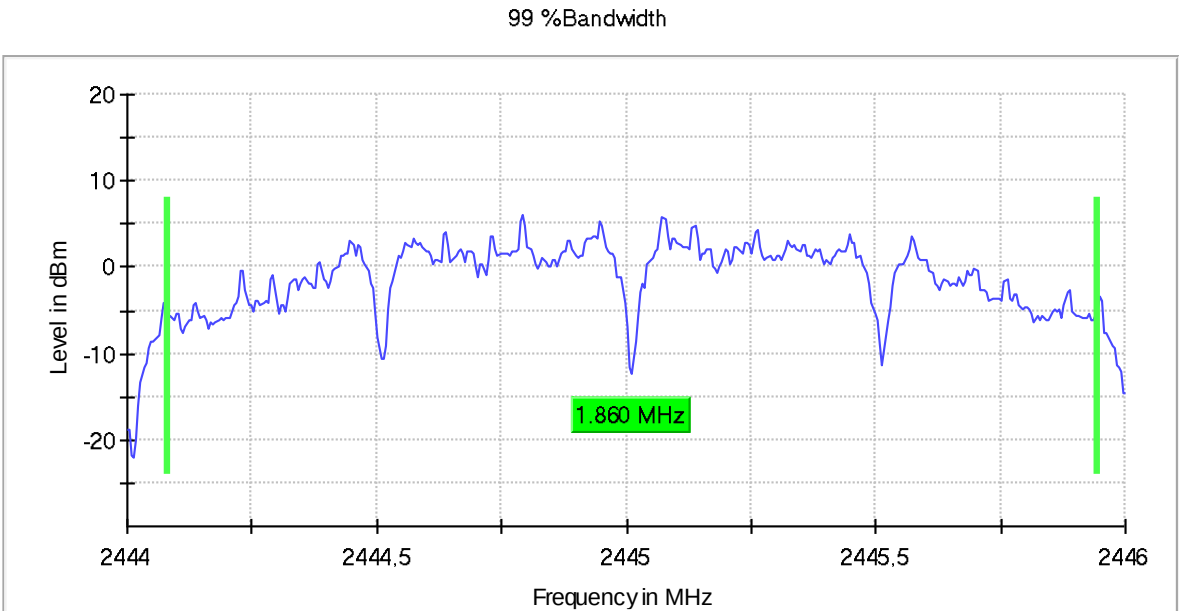
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2405.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee

Images:



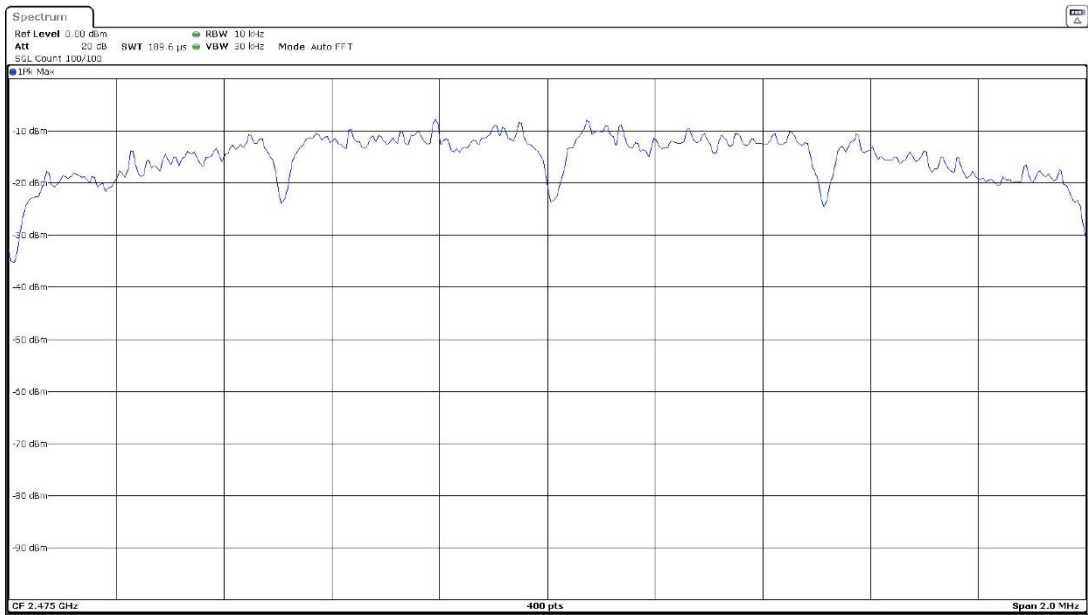
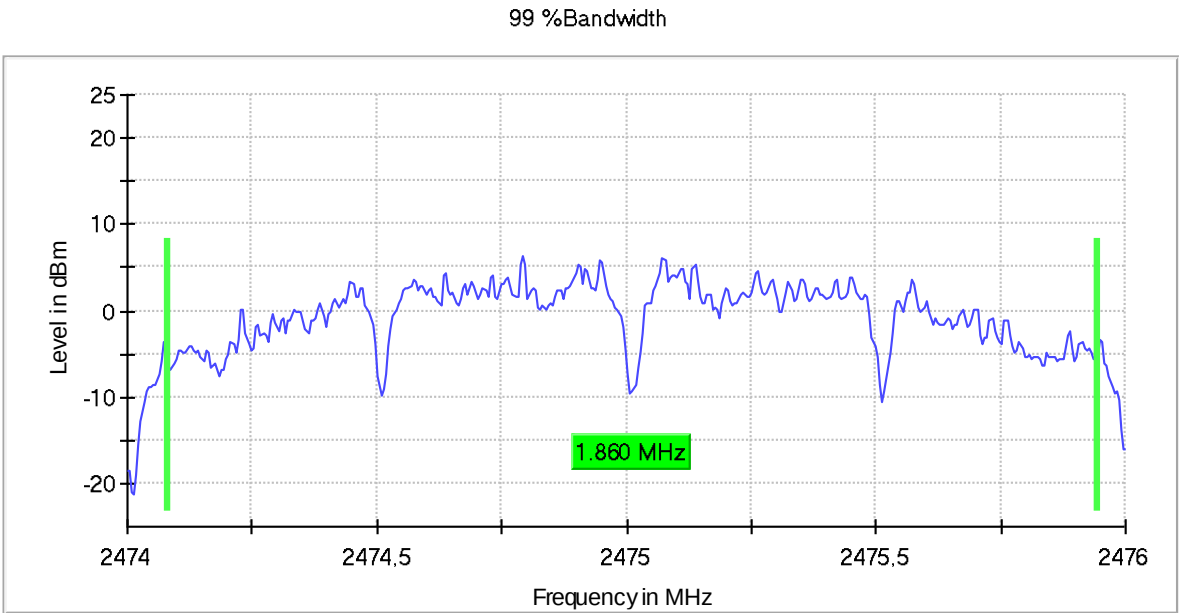
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2445.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee

Images:



Operation Band MHz = [2400, 2483.5], Frequency MHz = 2475.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee

Images:



FCC 15.247 (b) / RSS-247 5.4. (d) 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) (Canada).

Result

The maximum peak conducted output power level in the fundamental emission was measured using the method according to point 11.9.1.1 "RBW $\geq$ DTS bandwidth" 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: 1.10 dBi (Ch 2405MHz); 1.10 dBi (Ch 2445MHz);
0.65 dBi (Ch 2475MHz)

Modulation: IEEE 802.15.4 ZigBee

	Low Channel 2405 MHz	Middle Channel 2445 MHz	High Channel 2475 MHz
Maximum Conducted Power (dBm)	17.225	15.243	15.706
Maximum EIRP Power (dBm)	18.325	16.343	16.356

Verdict

Pass

RSS-247 5.2 (b) / FCC 15.247 (e) [Psd] Power spectral density

Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

Modulation: IEEE 802.15.4 ZigBee

Results

Freq (MHz)	PSD (dBm)
2405.00000	7.992
2445.00000	6.161
2475.00000	6.493

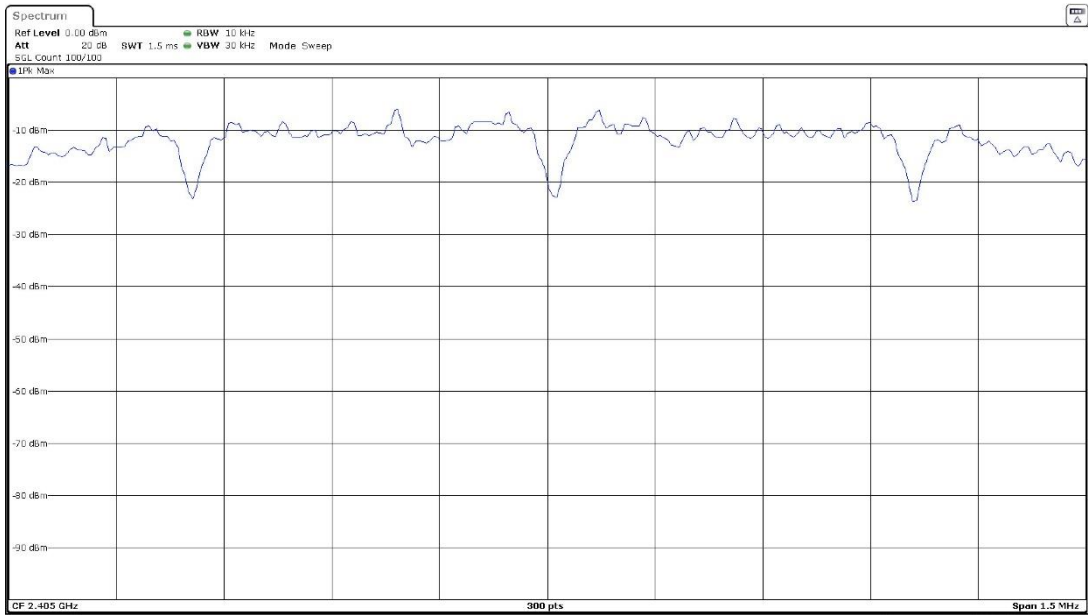
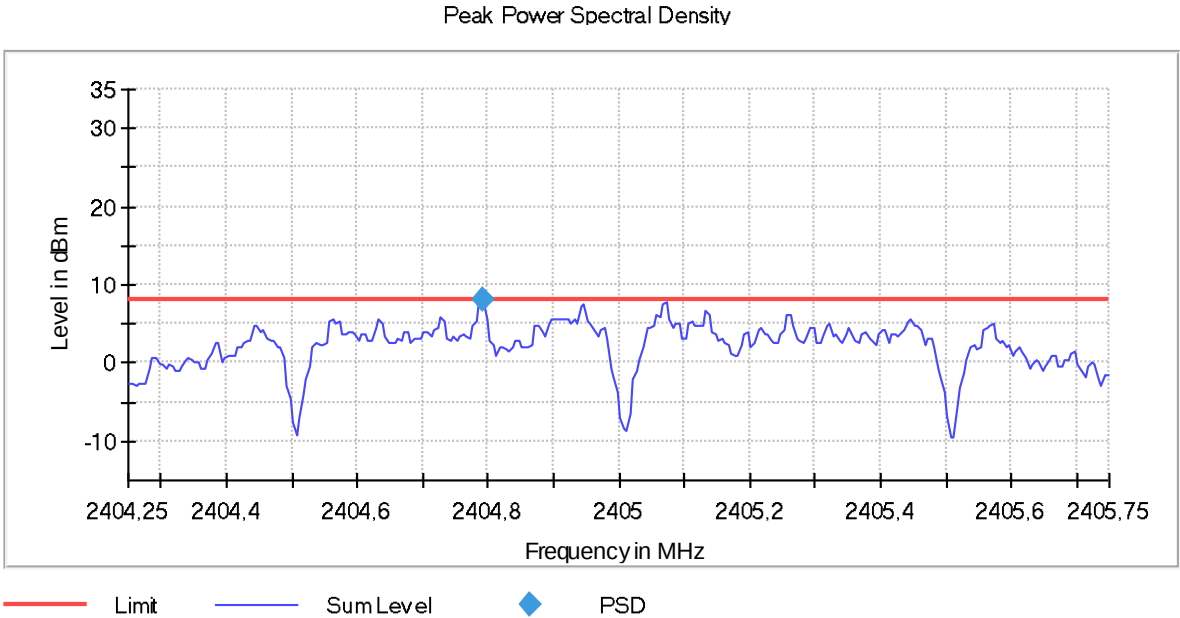
Verdict

Pass

Attachments

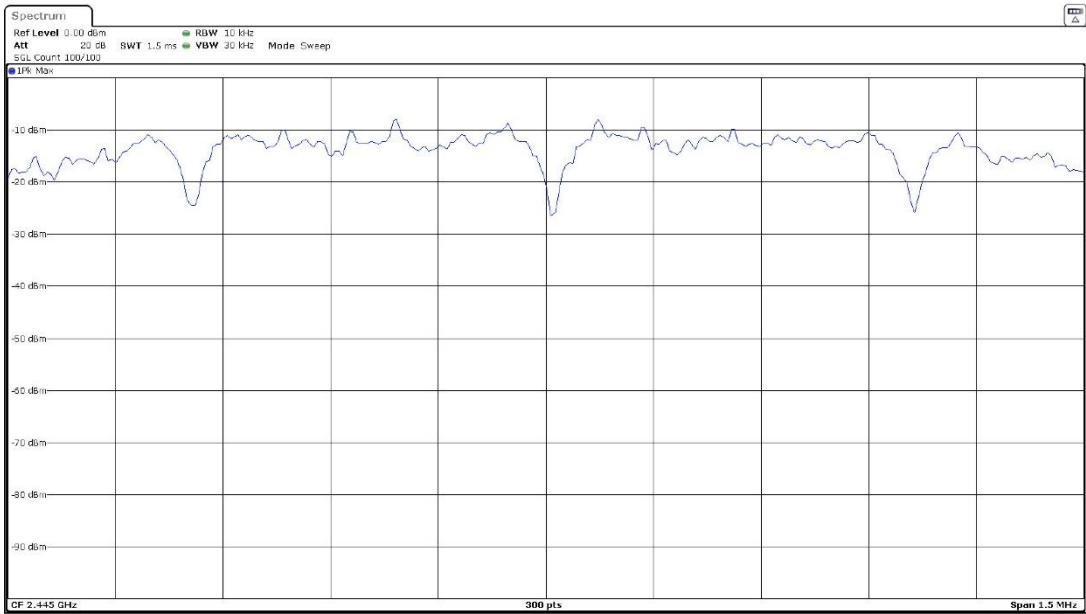
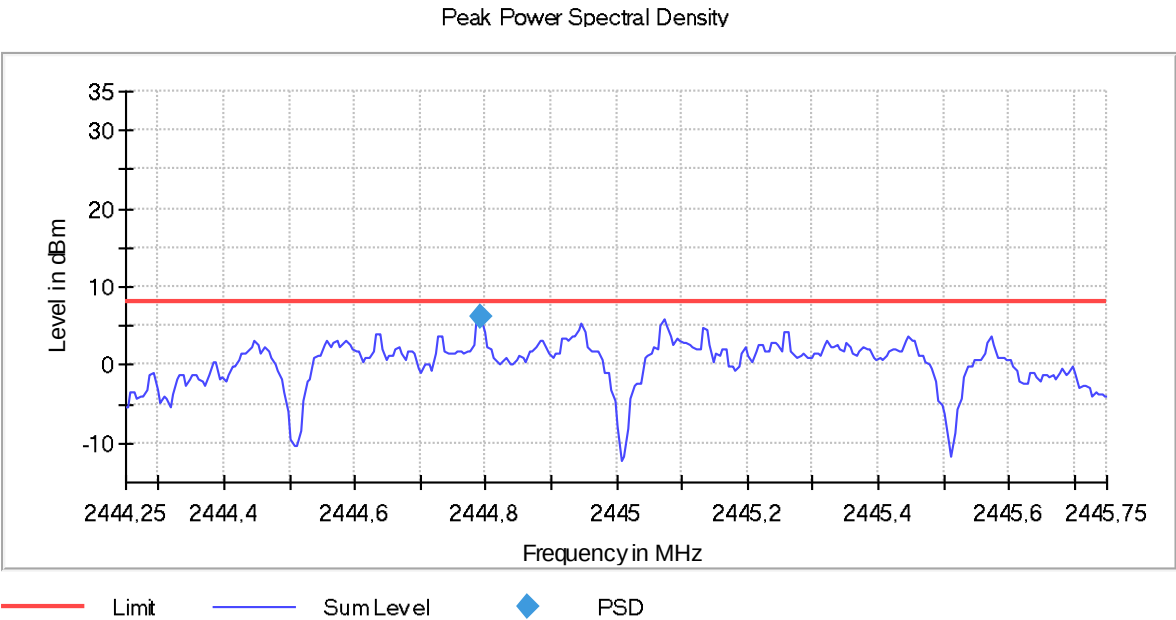
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2405.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee

Images:



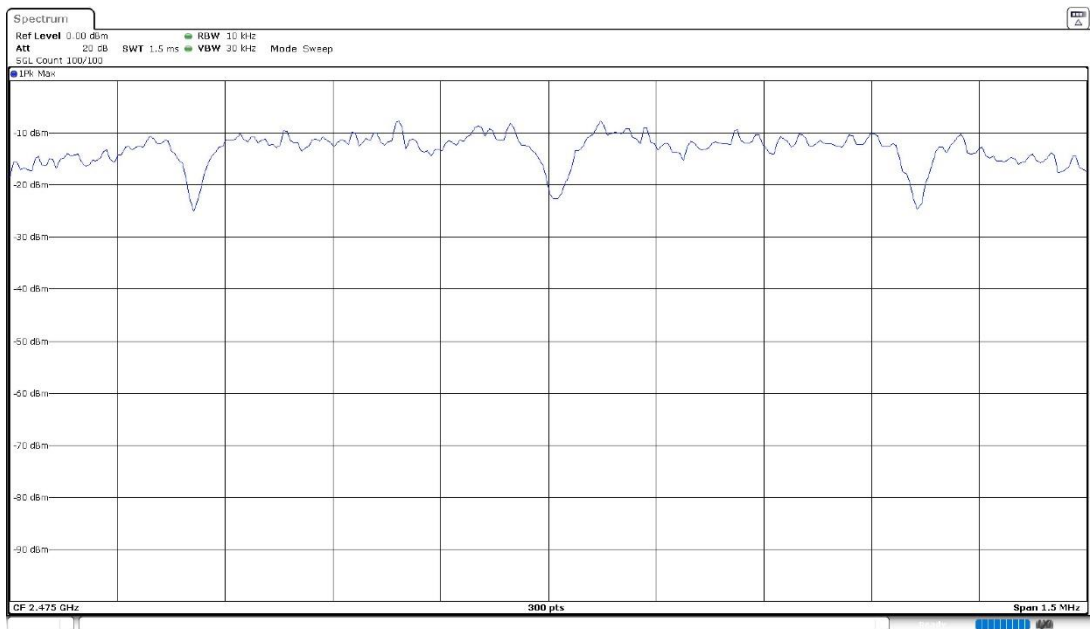
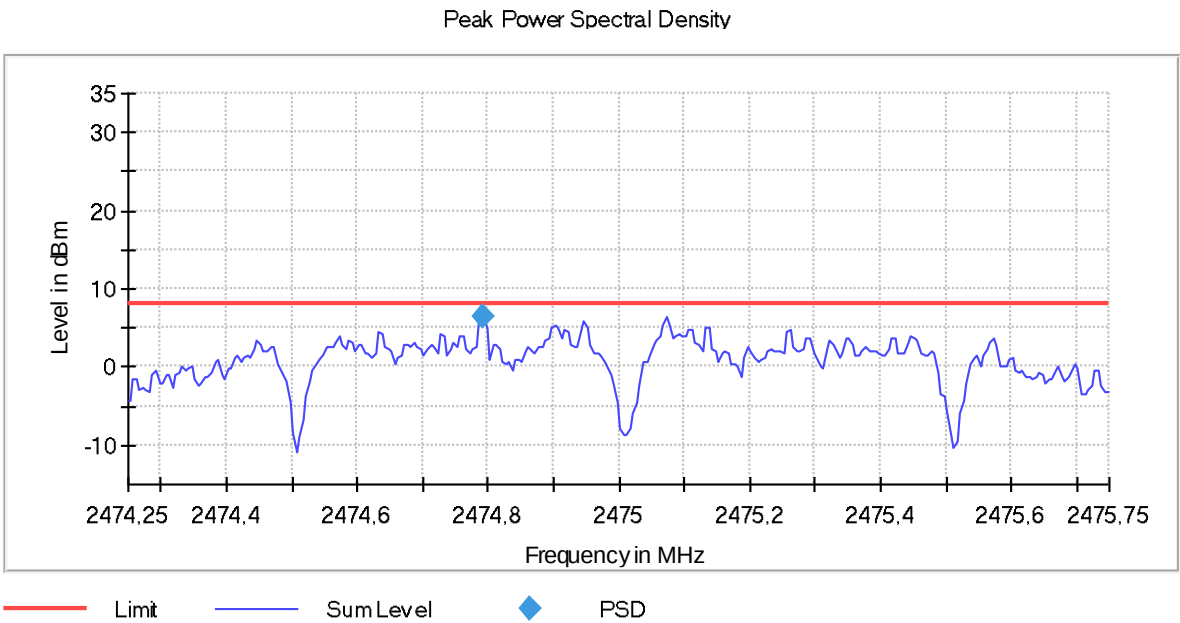
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2445.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee

Images:



Operation Band MHz = [2400, 2483.5], Frequency MHz = 2475.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee

Images:



RSS-247 5.5 / FCC 15.247 (d) [Bndedge] Band-edge emissions compliance (Transmitter)

Limits

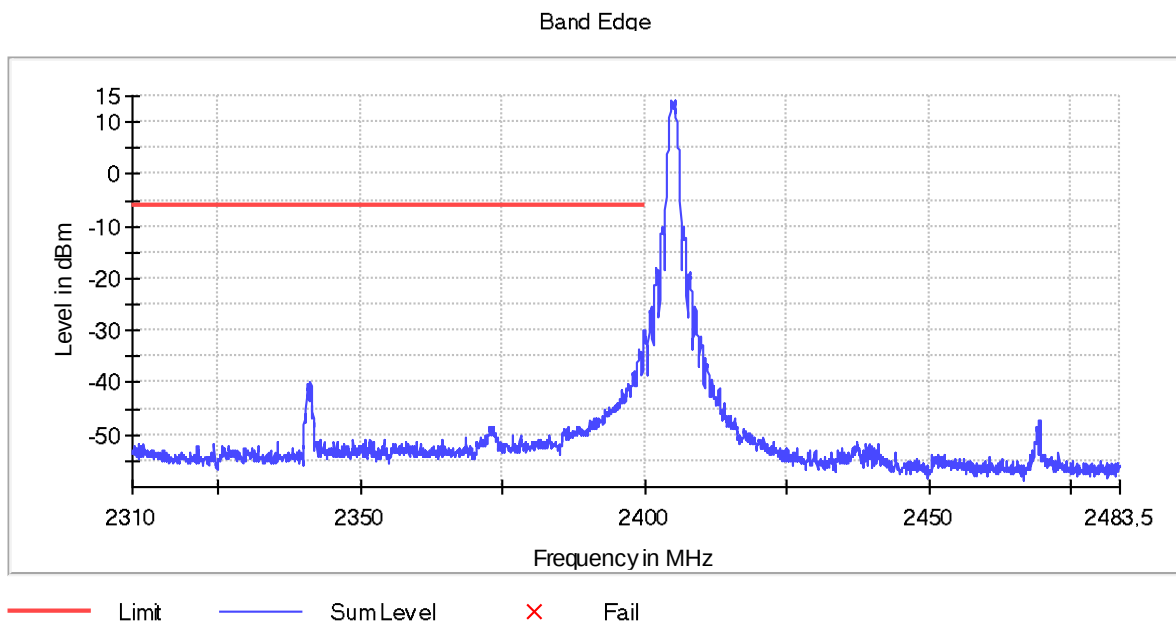
In any 100 kHz bandwidths outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

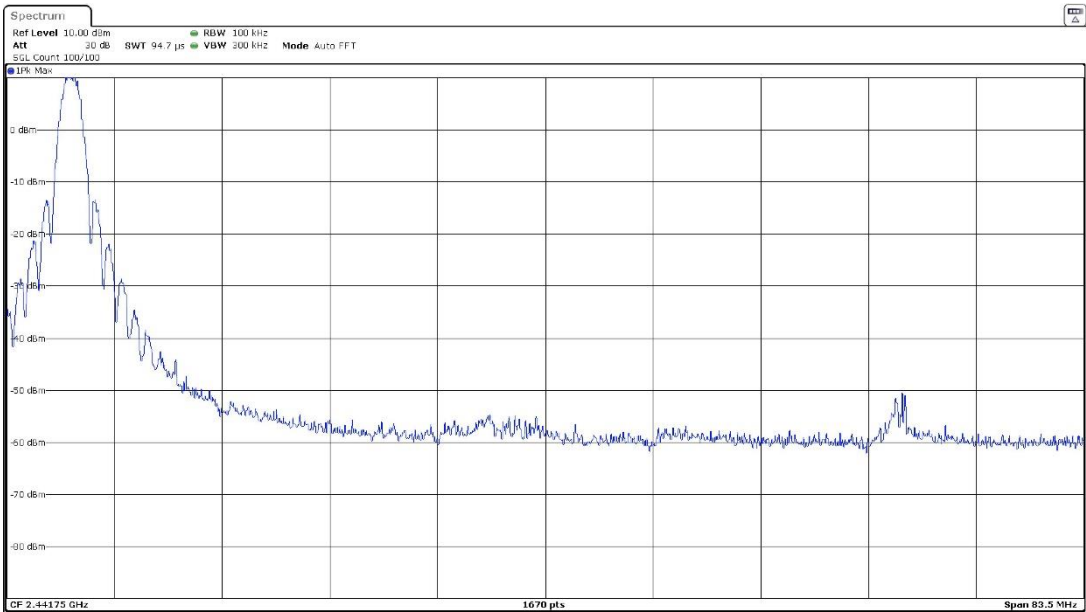
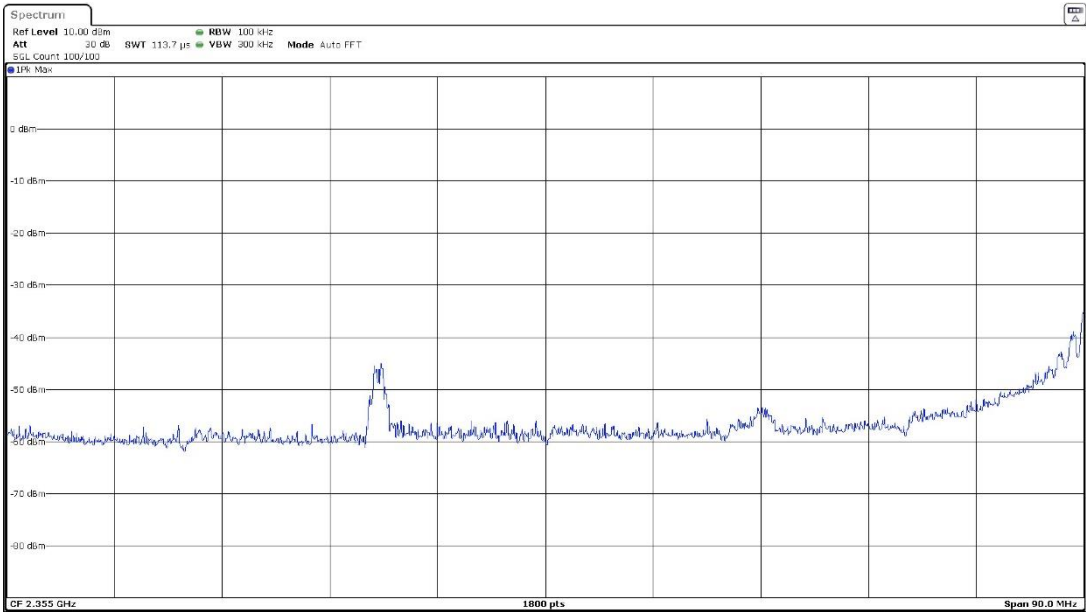
Modulation: IEEE 802.15.4 ZigBee

Attachments

Operation Band MHz = [2400, 2483.5], Frequency MHz = 2405.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Measurement Point = 1

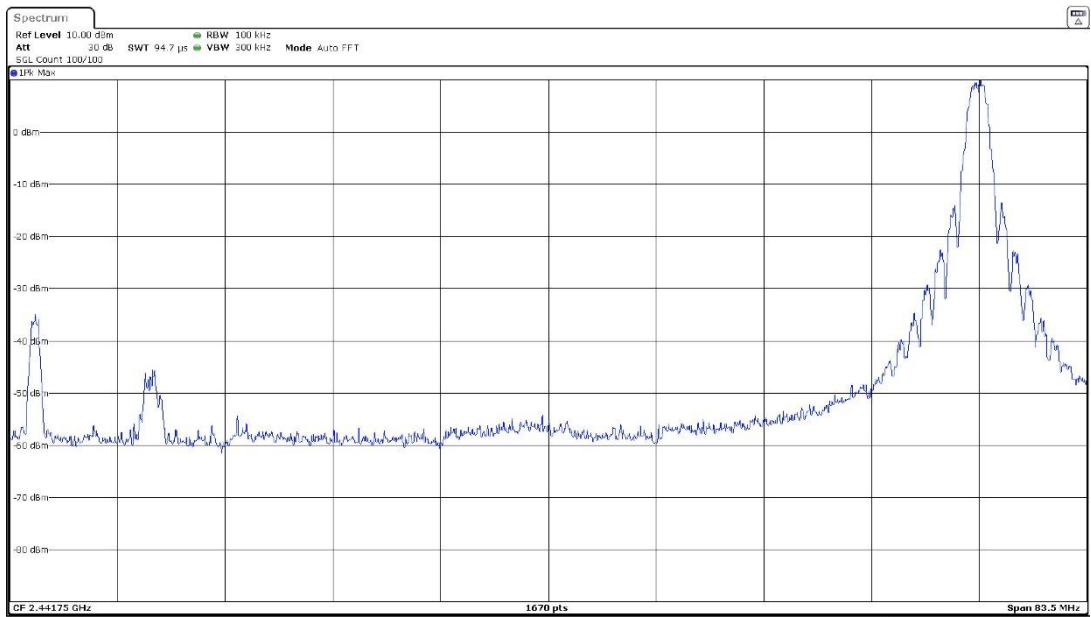
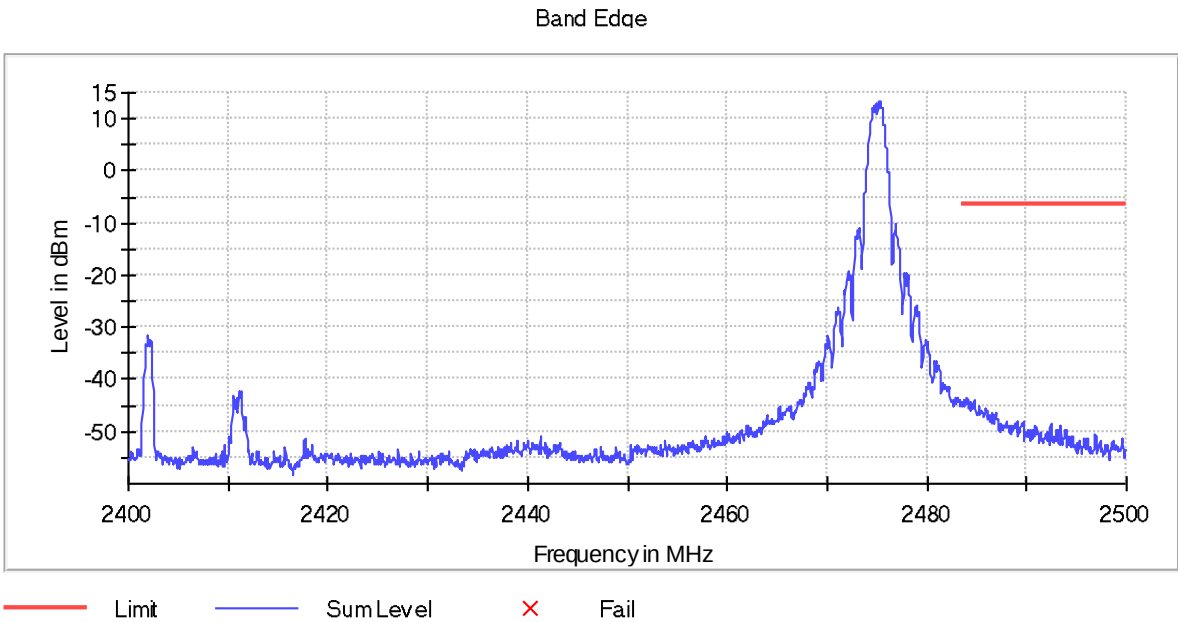
Images:

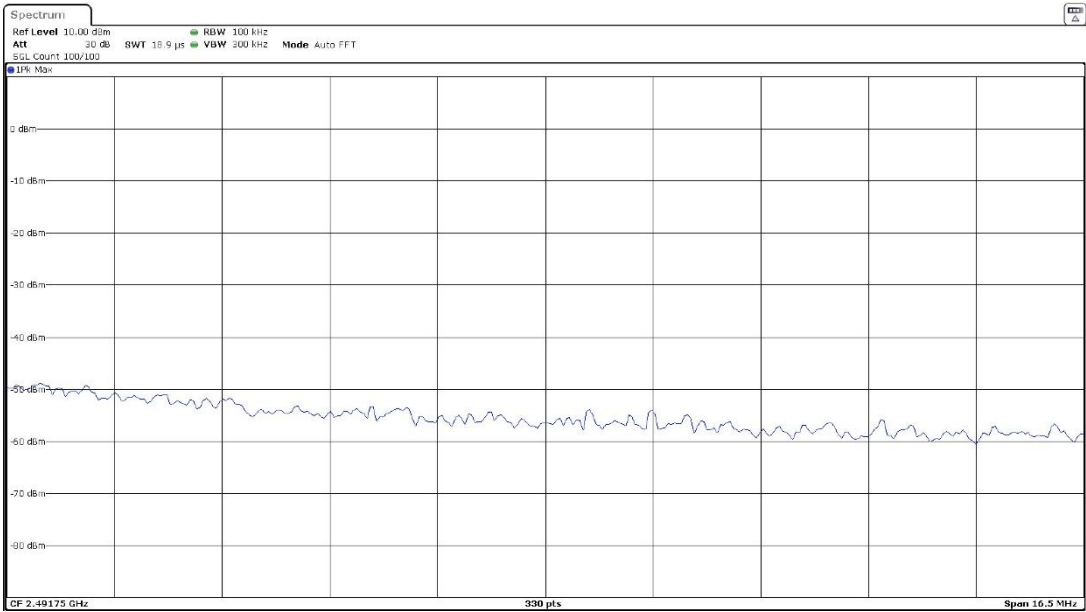




Operation Band MHz = [2400, 2483.5], Frequency MHz = 2475.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Measurement Point = 1

Images:





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.

Modulation: IEEE 802.15.4 ZigBee

Results

Operation Band (MHz)	Freq (MHz)	Freq Rng (GHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[2400, 2483.5]	2405.00000	[0.03, 1]	312.2397	31.22	H	PK
				27.33	H	QP
	2445.00000	[0.03, 1]	295.3859	33.51	H	PK
				29.52	H	QP
	2445.00000	[0.03, 1]	339.1875	33.45	V	PK
				28.80	V	QP
	2405.00000	[1, 3]	2341.6250	67.77	V	PK
				50.82	V	AVG
	2445.00000	[1, 3]	2380.2500	63.15	V	PK
				48.84	V	AVG
	2475.00000	[1, 3]	2483.9375	65.54	V	PK
				53.34 (*)	V	AVG
	2405.00000	[3, 17]	4809.0625	58.54	V	PK
				53.73	V	AVG
	2405.00000	[3, 17]	7216.4595	53.01 (**)	H	PK
	2405.00000	[3, 17]	9622.0095	51.70 (**)	H	PK
	2445.00000	[3, 17]	4890.8750	51.27 (***)	V	PK
	2445.00000	[3, 17]	7336.5000	57.30	H	PK
				51.36	H	AVG
	2445.00000	[3, 17]	9782.1250	66.50 (***)	H	PK
	2445.00000	[3, 17]	12222.9375	52.29 (***)	V	PK
	2475.00000	[3, 17]	7423.5650	57.77	H	PK
				52.24	H	AVG
	2475.00000	[3, 17]	9898.0350	64.47 (****)	H	PK

(*) For emissions in restricted band, the integration method was used according to ANSI C63.10-2013 Section 11.13.3.

(**) This spurious frequency is outside restricted bands as defined in §15.209(a). The measured maximum carrier level at 3m is 106.05 dBµV/m (Peak) so the spurious level is more than 20 dB below the carrier level.

(***) This spurious frequency is outside restricted bands as defined in §15.209(a). The measured maximum carrier level at 3m is 109.40 dBµV/m (Peak) so the spurious level is more than 20 dB below the carrier level.

(****) This spurious frequency is outside restricted bands as defined in §15.209(a). The measured maximum carrier level at 3m is 101.55 dBµV/m (Peak) so the spurious level is more than 20 dB below the carrier level.

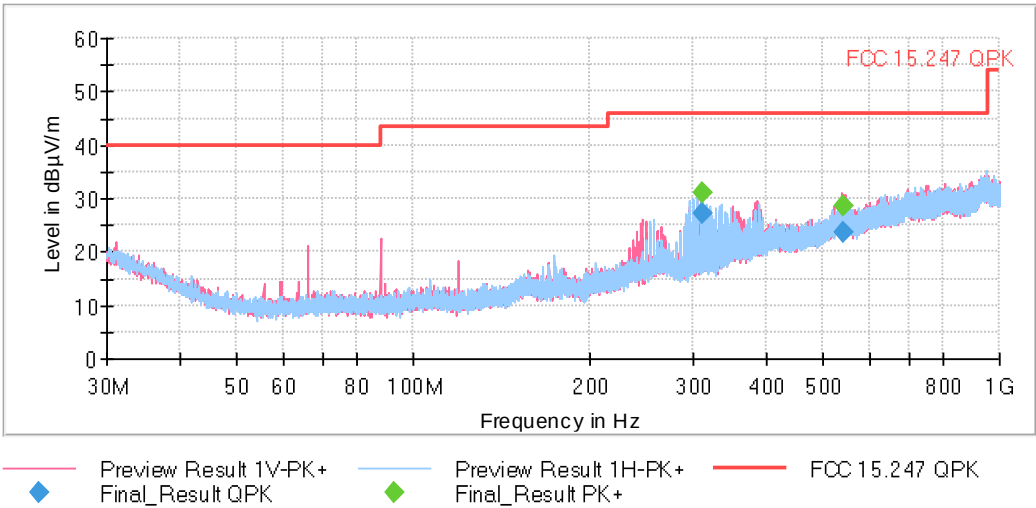
Verdict

Pass

Attachments

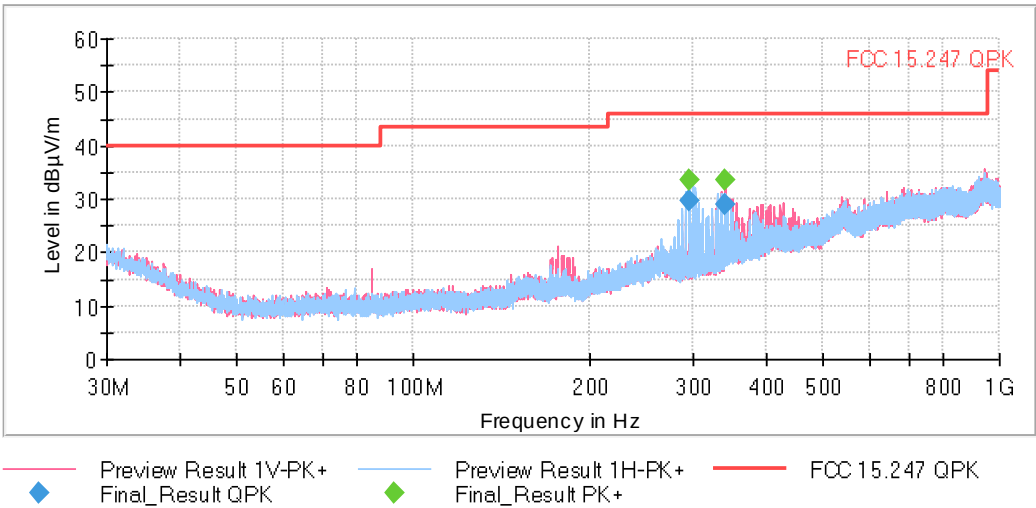
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2405.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [0.03, 1], Measurement Point = 1

Images:



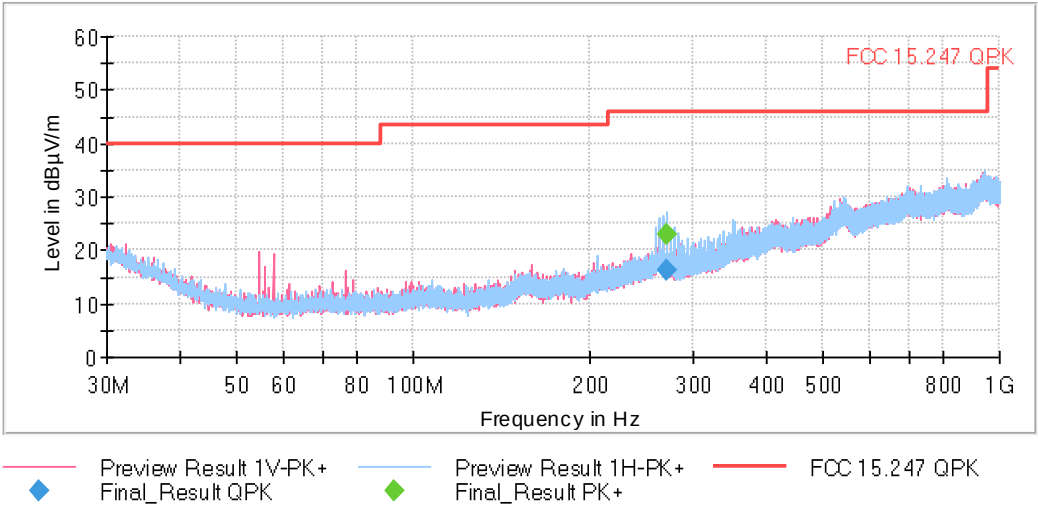
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2445.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [0.03, 1], Measurement Point = 1

Images:



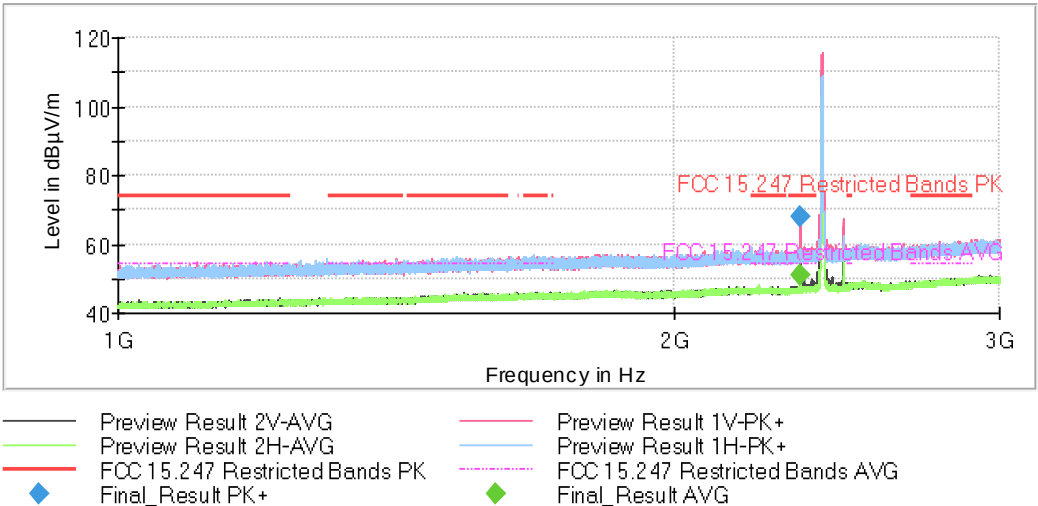
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2475.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [0.03, 1],
Measurement Point = 1

Images:

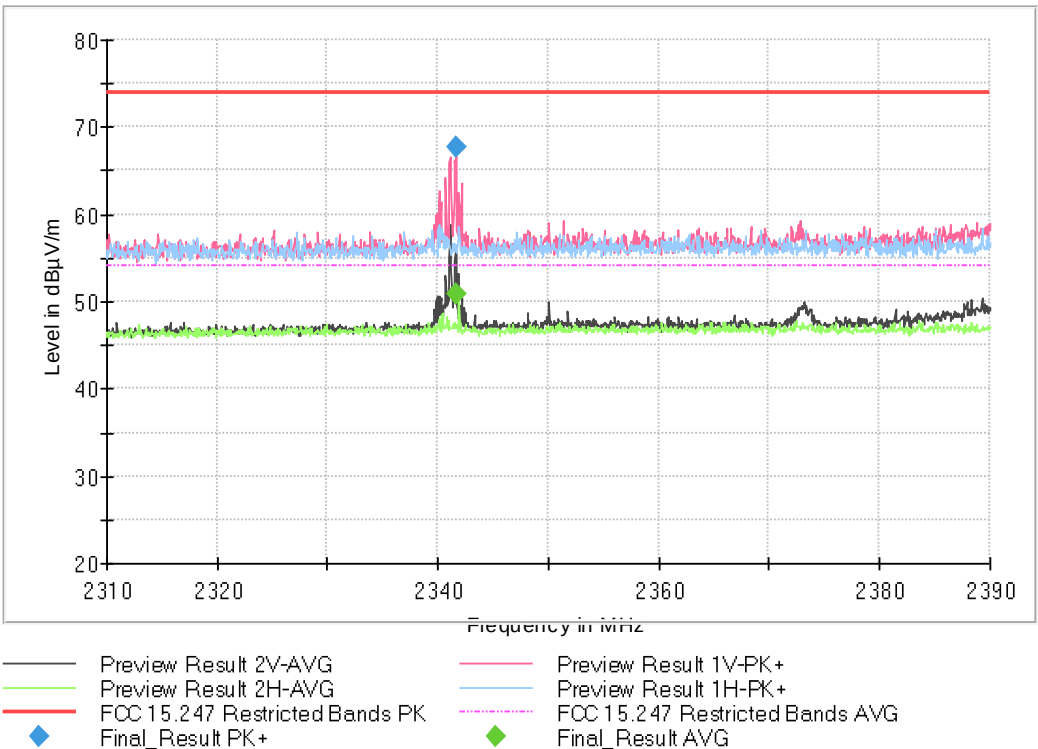


Operation Band MHz = [2400, 2483.5], Frequency MHz = 2405.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [1, 3],
Measurement Point = 1

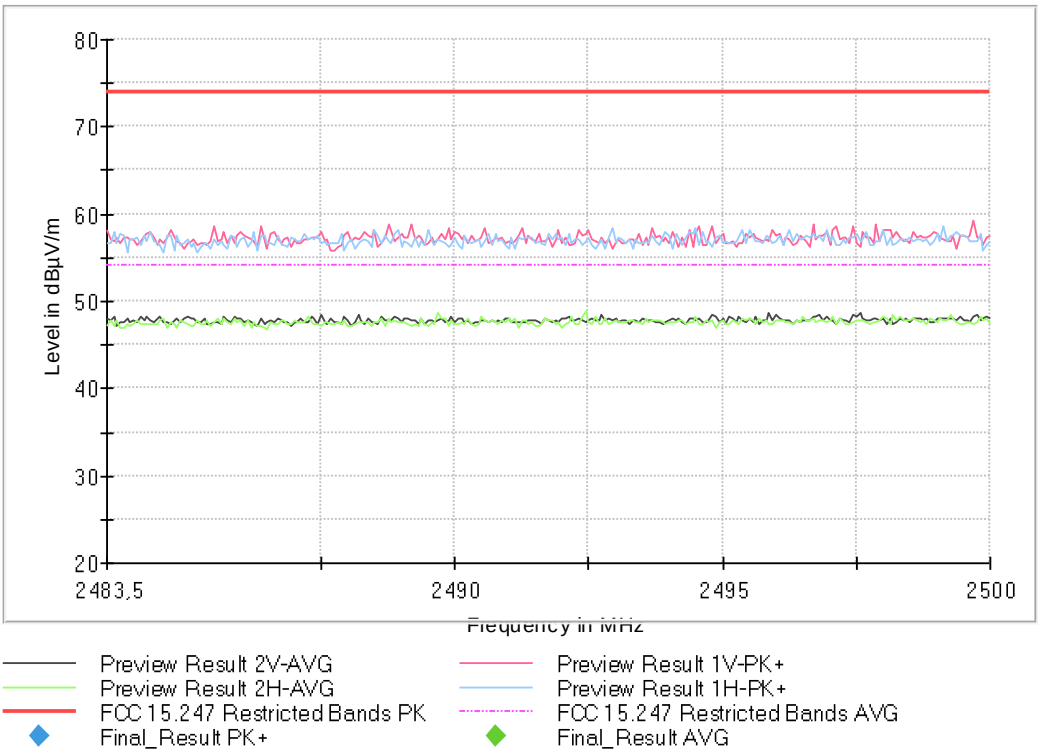
Images:



Full Spectrum

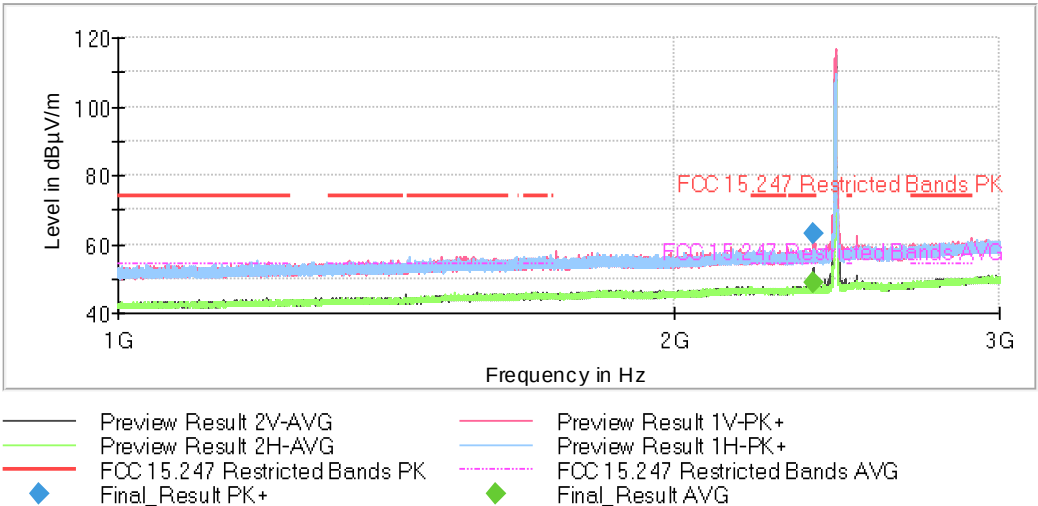


Full Spectrum

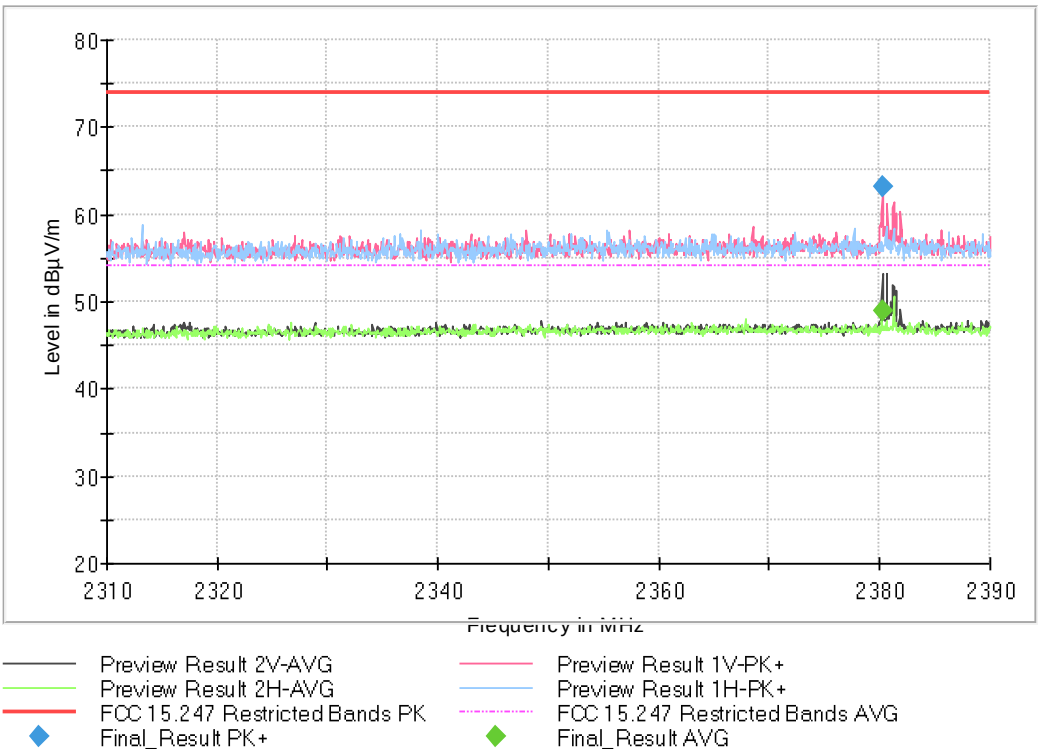


Operation Band MHz = [2400, 2483.5], Frequency MHz = 2445.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [1, 3],
Measurement Point = 1

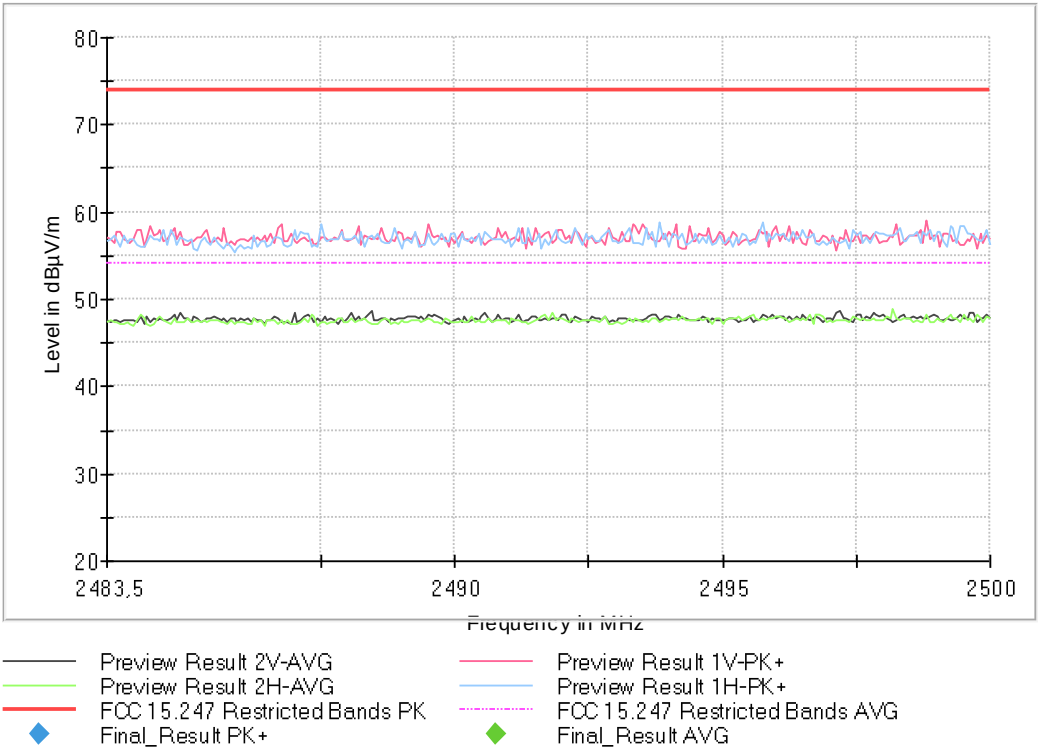
Images:



Full Spectrum

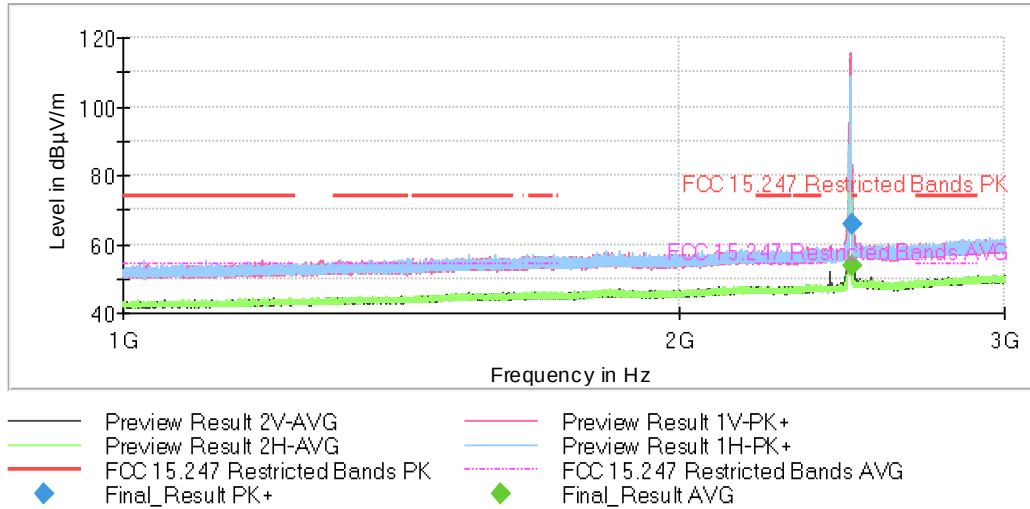


Full Spectrum

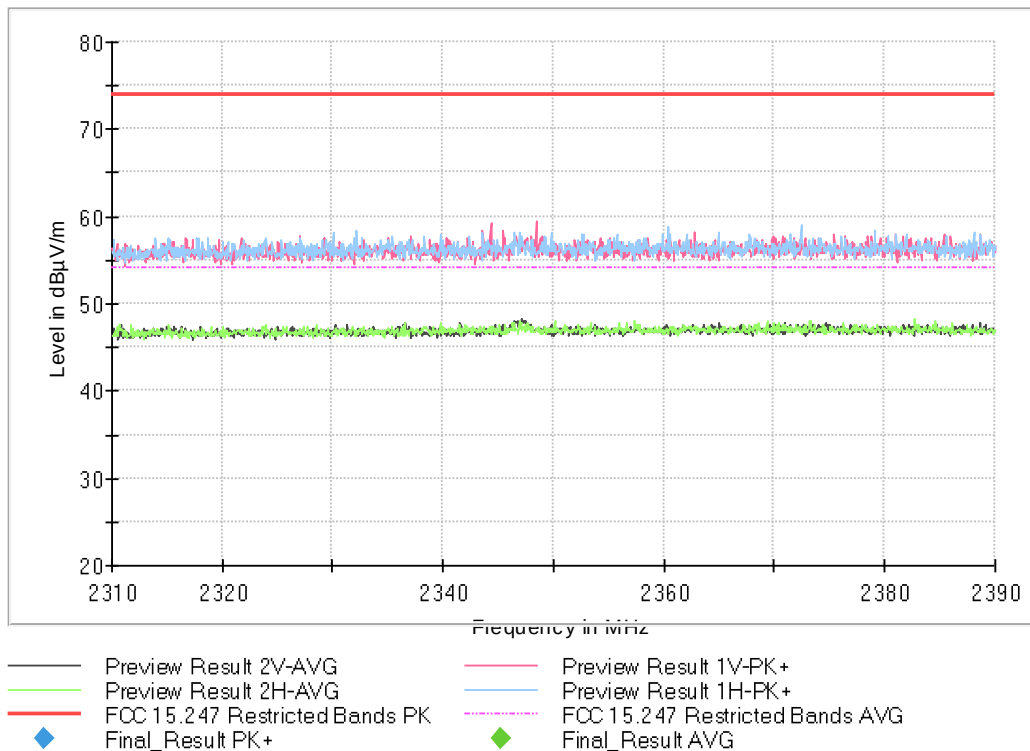


Operation Band MHz = [2400, 2483.5], Frequency MHz = 2475.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [1, 3], Measurement Point = 1

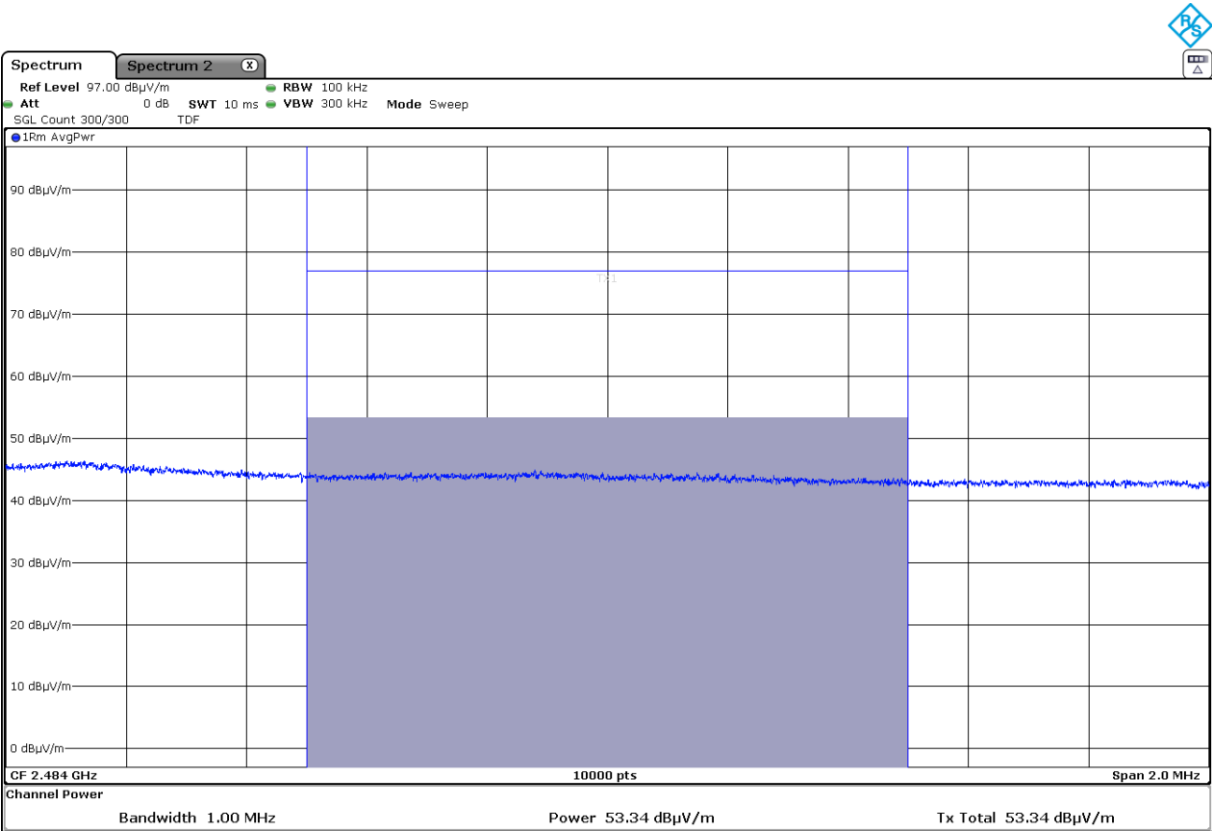
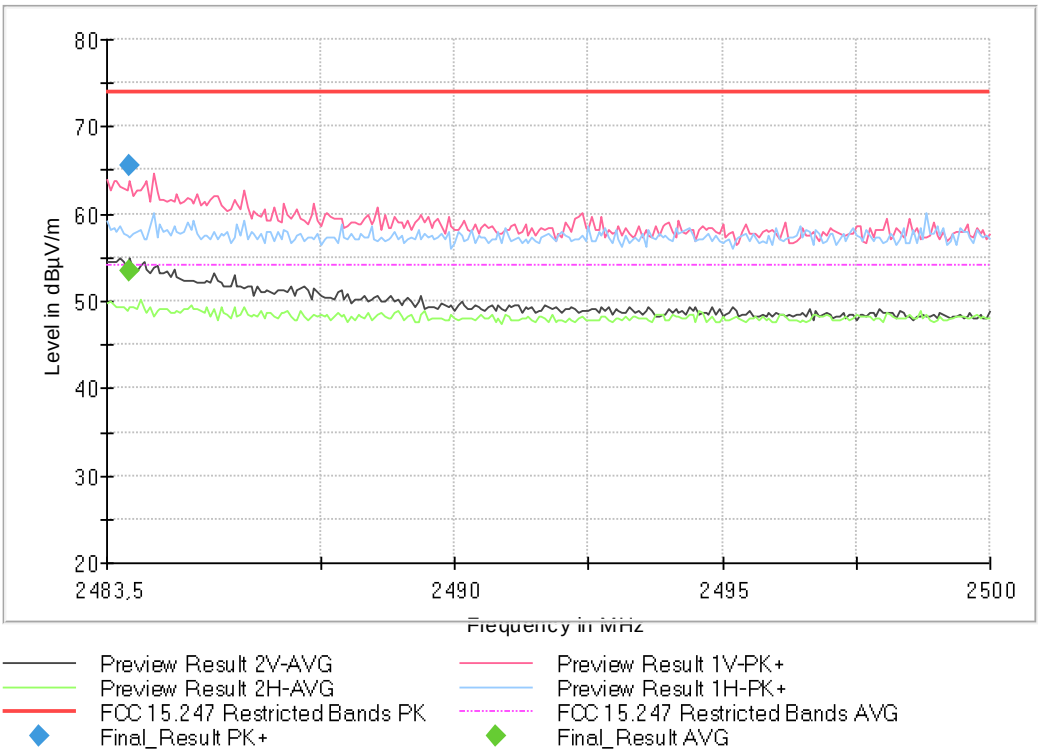
Images:



Full Spectrum

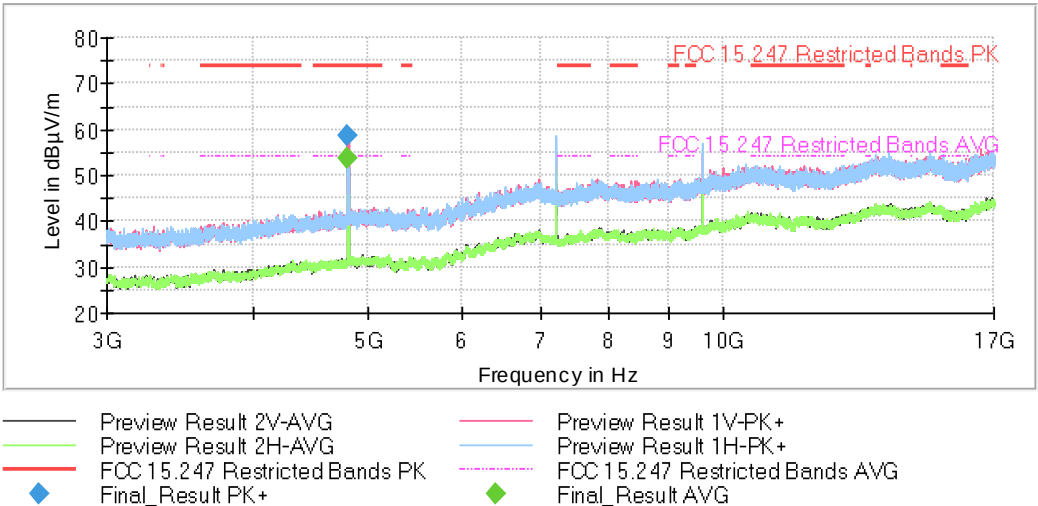


Full Spectrum



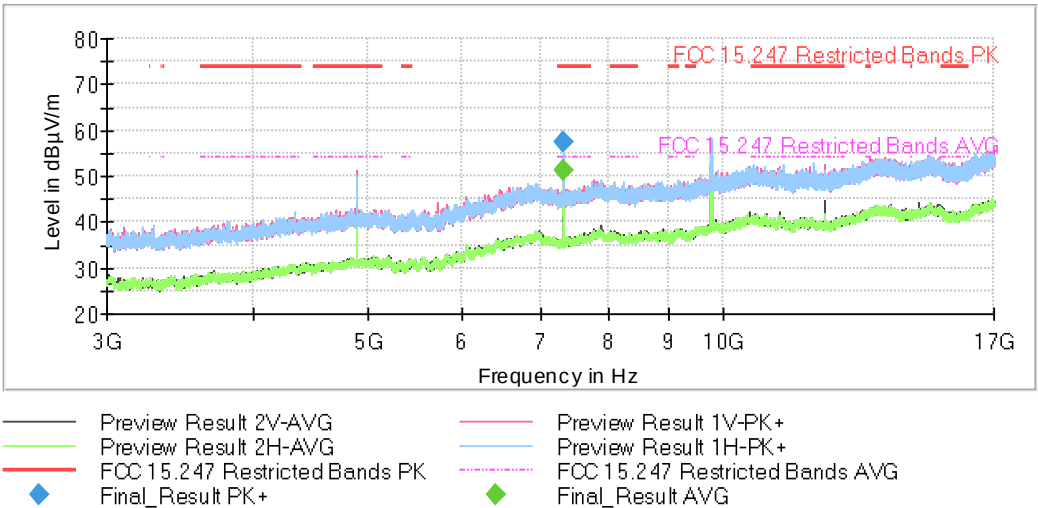
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2405.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [3, 17], Measurement Point = 1

Images:



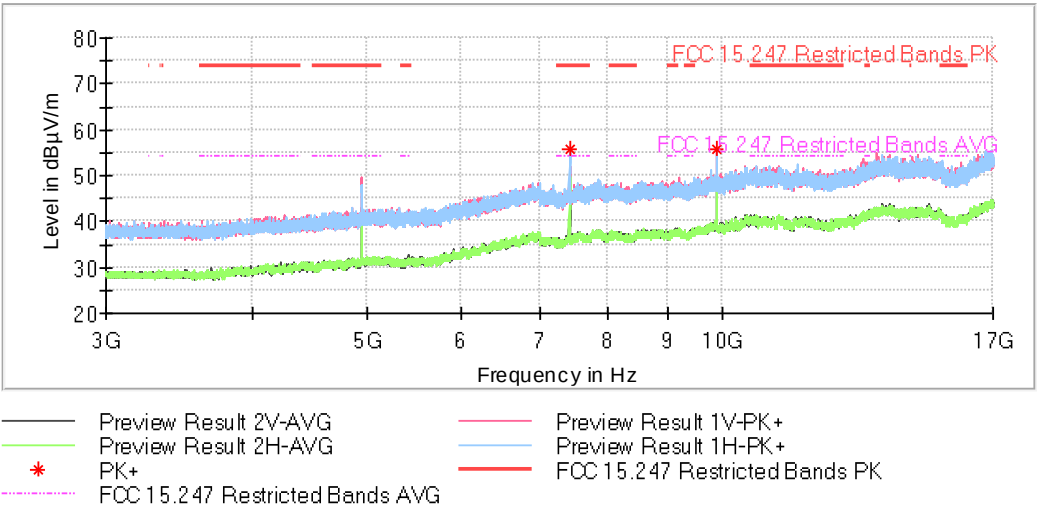
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2445.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [3, 17], Measurement Point = 1

Images:



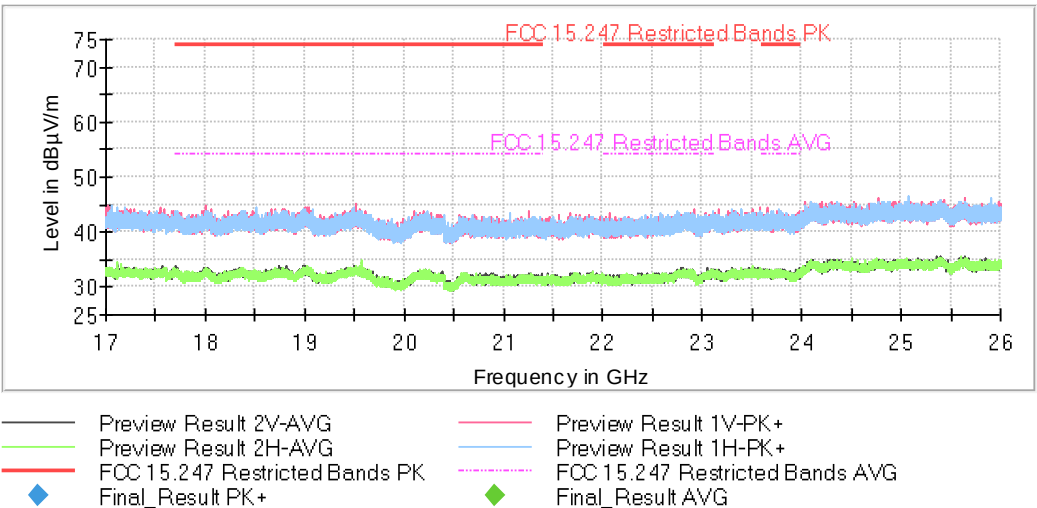
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2475.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [3, 17], Measurement Point = 1

Images:



Operation Band MHz = [2400, 2483.5], Frequency MHz = This plot is valid for the Low, Middle and High Channels, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [17, 26], Measurement Point = 1

Images:



Appendix D: Test results. IEEE 802.15.4 ZigBee. A2 antenna

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TEST CONDITIONS

(*): Data provided by the client.

POWER SUPPLY (*):

Vnominal: 3.7Vdc
Type of Power Supply: Battery

ANTENNA GAIN (*):

Type of Antenna: Integral
Maximum Declared Antenna Gain: -0.15 dBi (Ch 2405MHz); -0.12 dBi (Ch 2445MHz);
-0.20 dBi (Ch 2475MHz)

TEST FREQUENCIES (*):

			OUTPUT POWER
IEEE 802.15.4 ZigBee	Low Channel:	2405 MHz	3dBm
	Middle Channel:	2445 MHz	
	High Channel:	2480 MHz	

CONDUCTED MEASUREMENTS:

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



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).

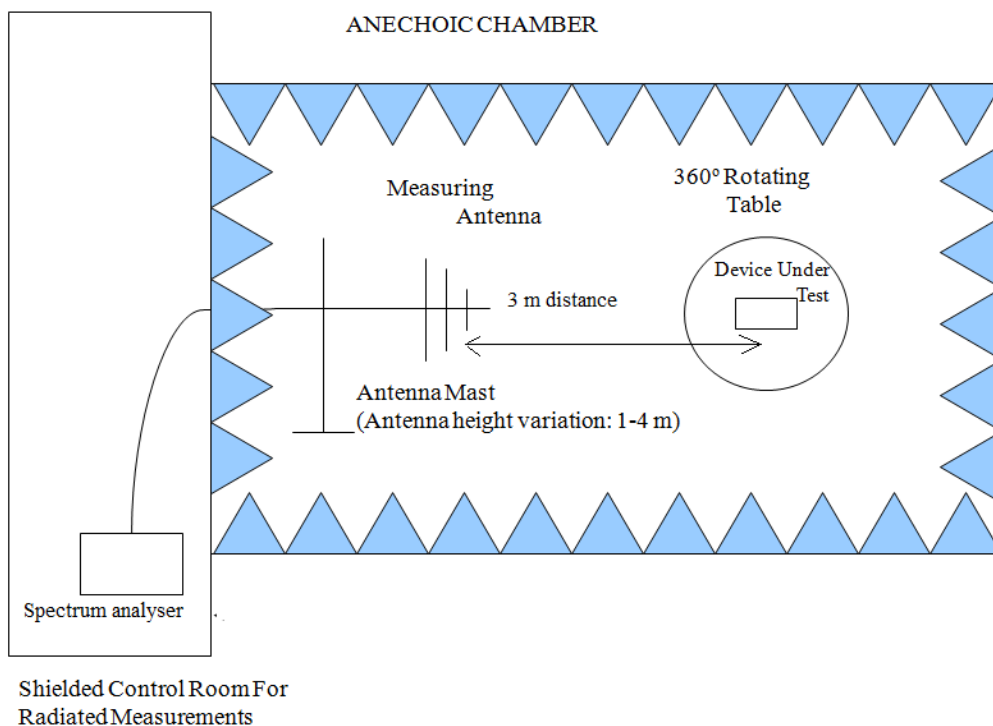
For radiated emissions in the range 17 GHz-26 GHz that is performed at a distance closer than the specified distance, an inverse proportionality factor of 20 dB per decade is used to normalize the measured data for determining compliance.

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.

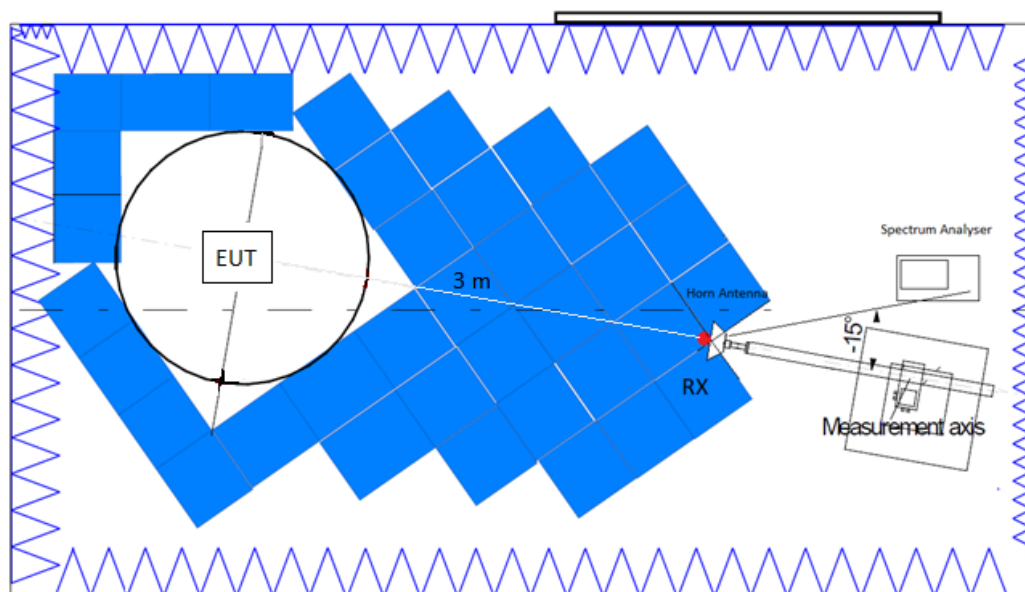
Measurements were made in both horizontal and vertical planes of polarization.

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.

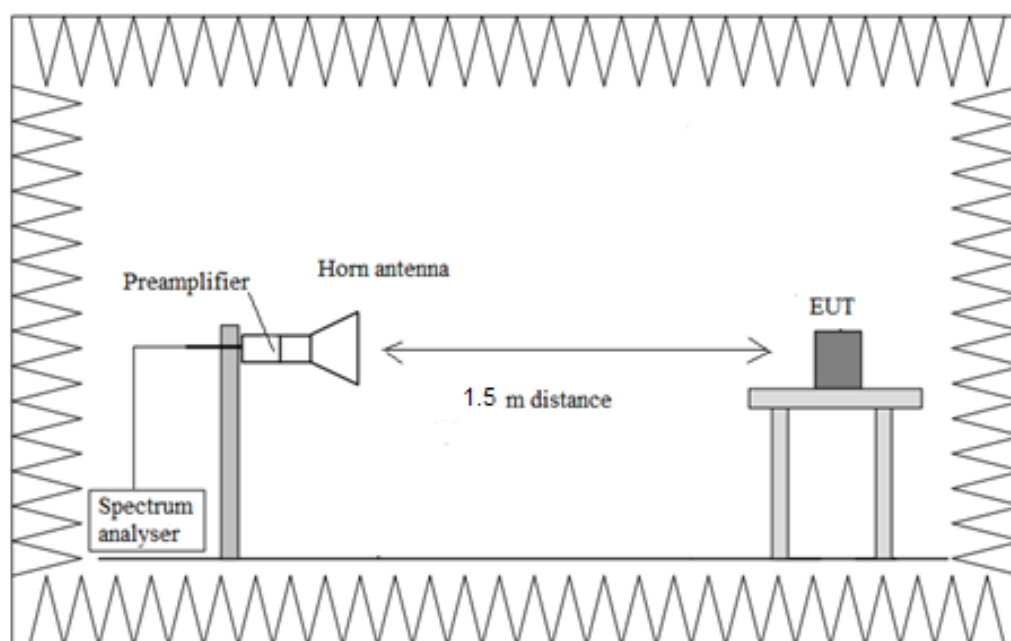
Radiated measurements setup from 30 MHz to 1 GHz:



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 5.2 (a) / FCC 15.247 (a) (2) [6dBw] 6 dB Bandwidth

Limits

The minimum 6 dB bandwidth shall be at least 500 kHz.

Modulation: IEEE 802.15.4 ZigBee

Results

Freq (MHz)	Emission Bandwidth (MHz)
2405.00000	1.55319
2445.00000	1.55336
2480.00000	1.56661

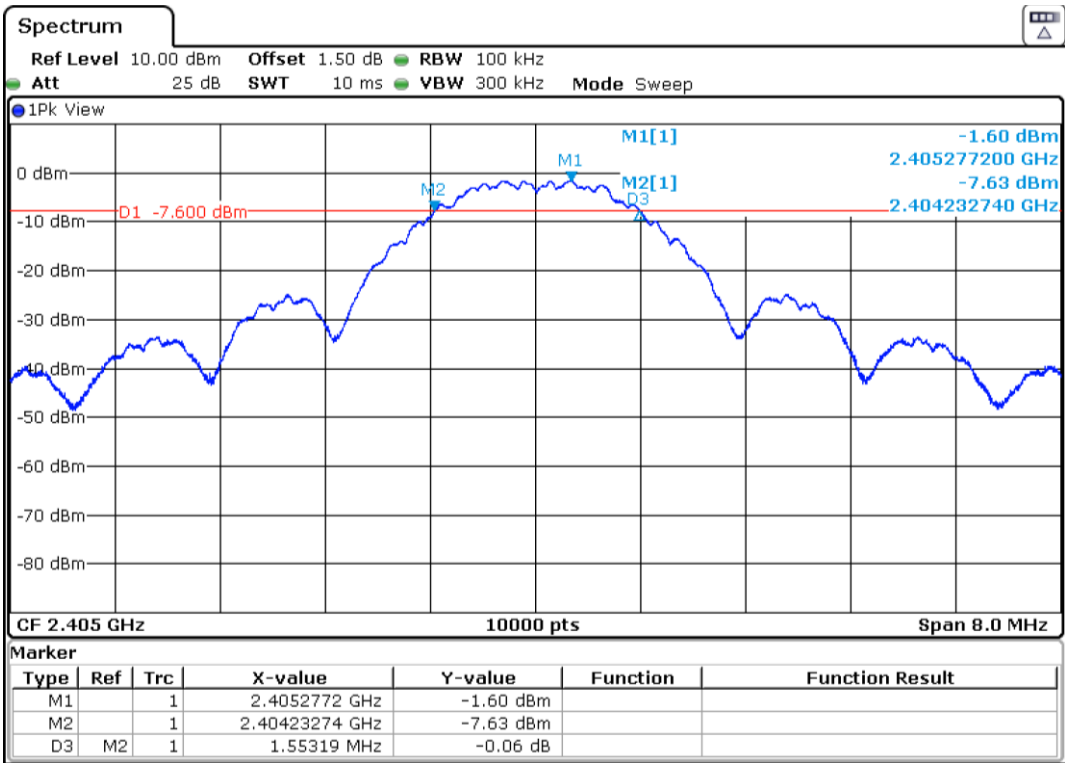
Verdict

Pass

Attachments

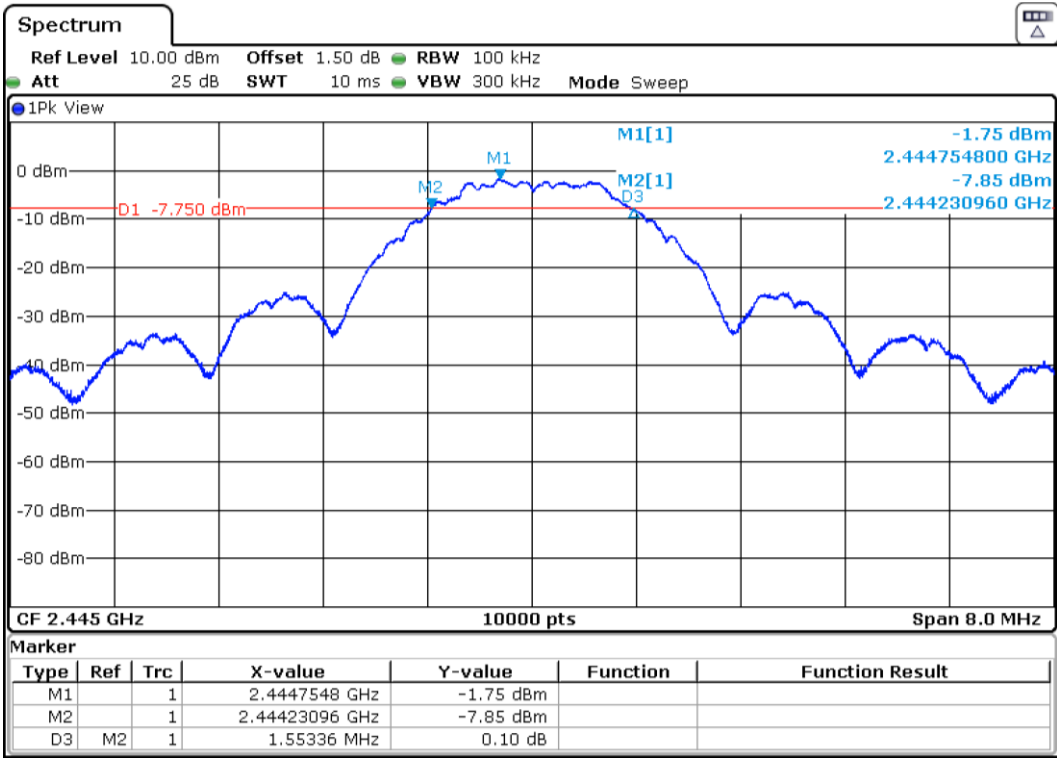
Frequency MHz = 2405.00000, Modulation = IEEE 802.15.4 ZigBee

Images:



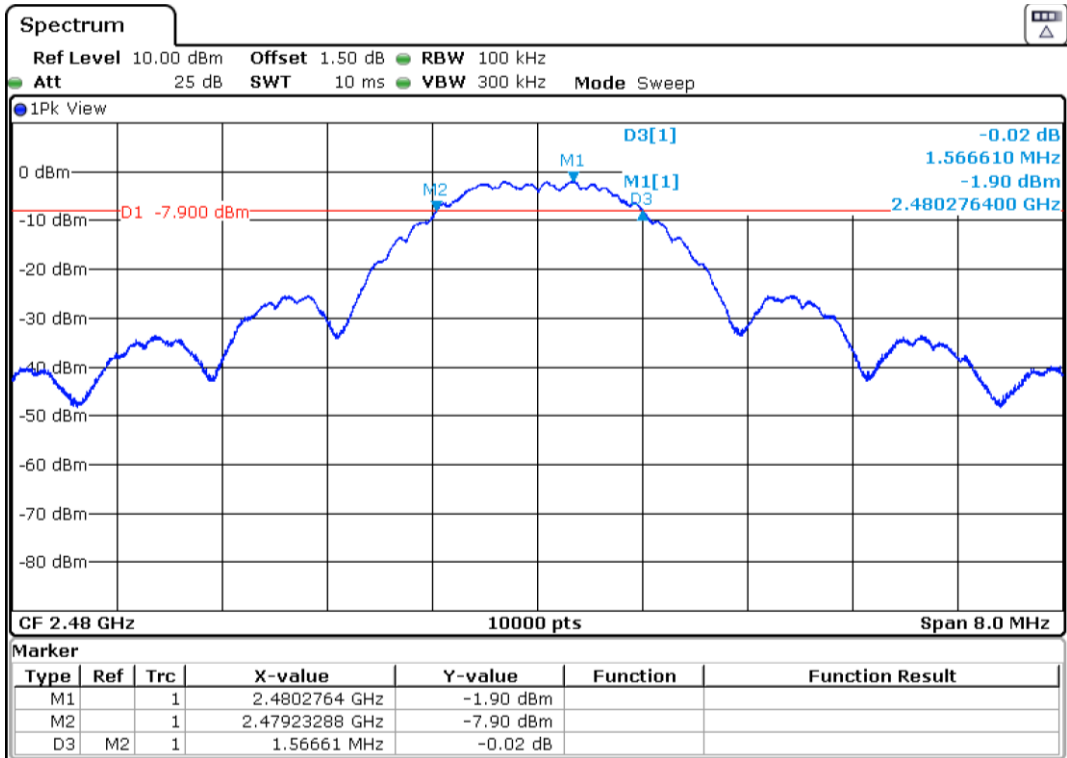
Frequency MHz = 2445.00000, Modulation = IEEE 802.15.4 ZigBee

Images:



Frequency MHz = 2480.00000, Modulation = IEEE 802.15.4 ZigBee

Images:



99dBw Occupied Channel Bandwidth 99%

Modulation: IEEE 802.15.4 ZigBee

Results

Freq (MHz)	Occ Ch BW (MHz)
2405.00000	2.3288
2445.00000	2.3688
2480.00000	2.3648

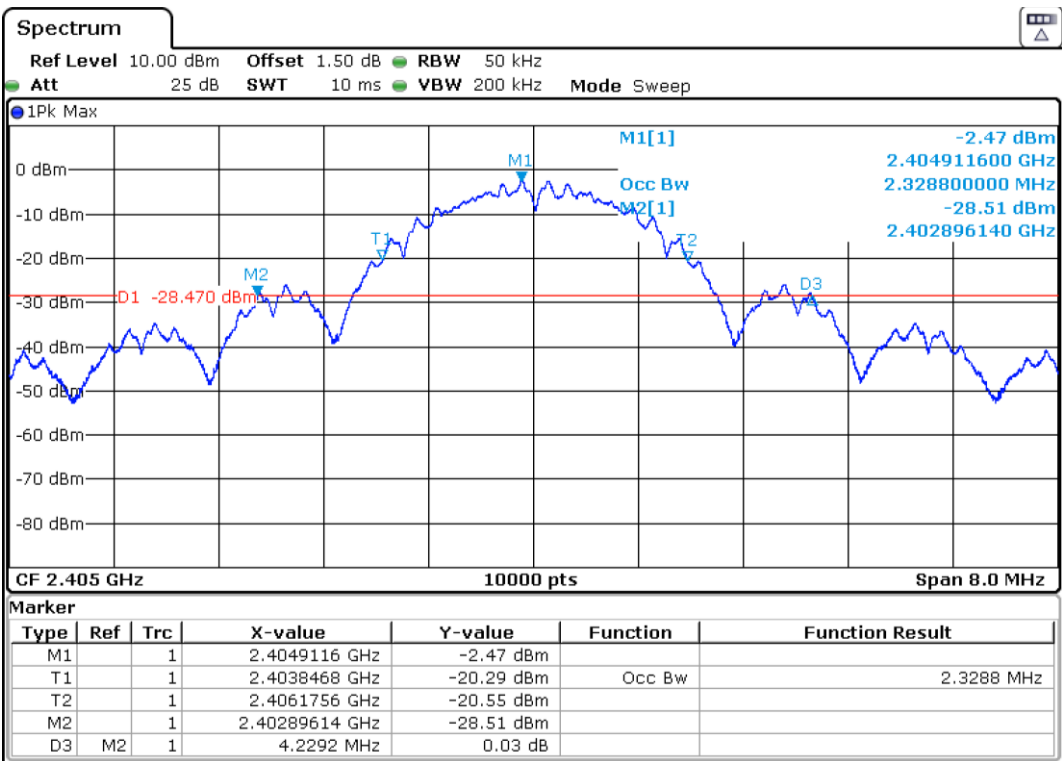
Verdict

Pass

Attachments

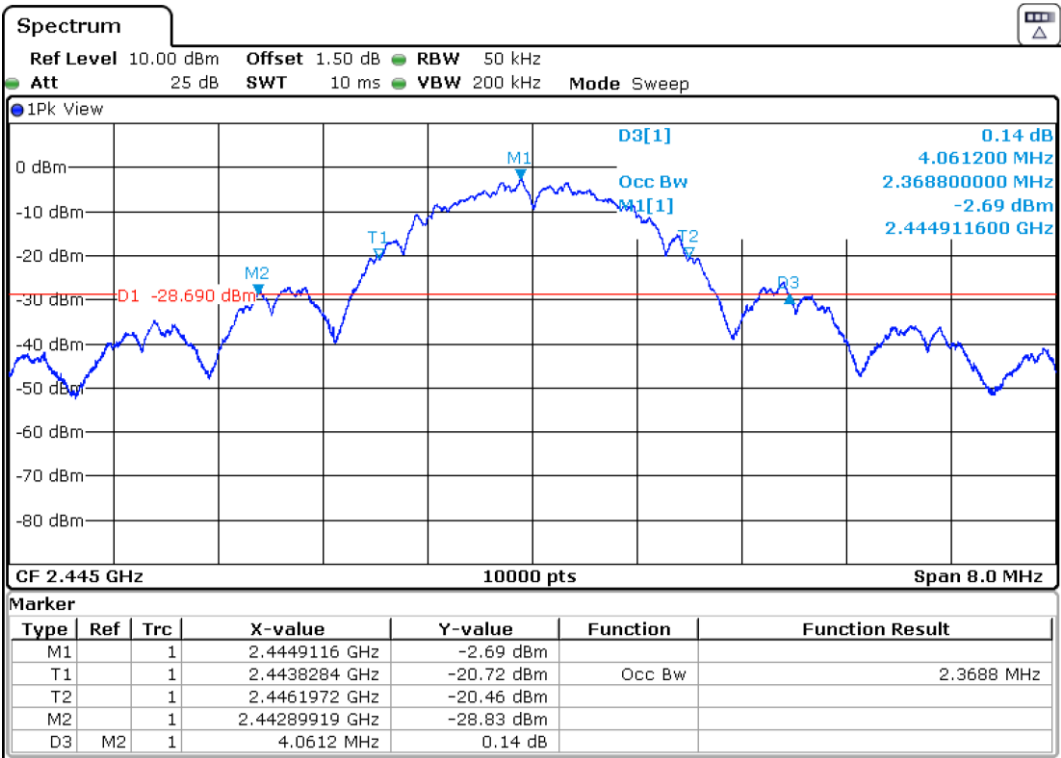
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2405.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee

Images:



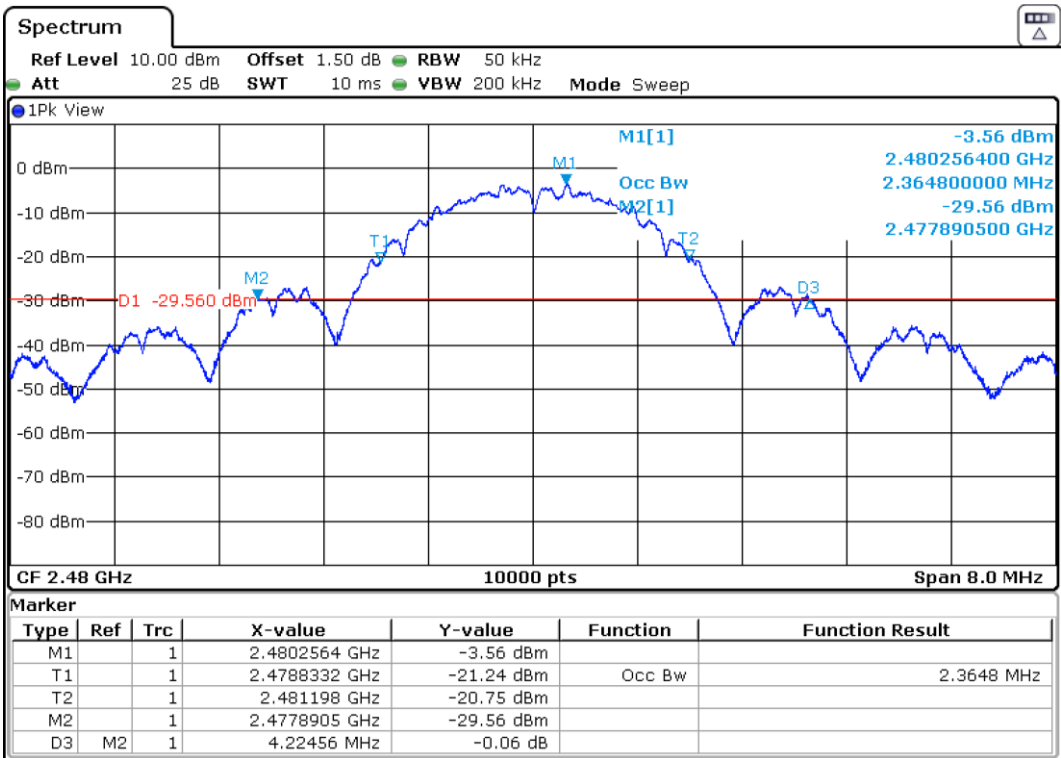
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2445.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee

Images:



Operation Band MHz = [2400, 2483.5], Frequency MHz = 2480.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee

Images:



FCC 15.247 (b) / RSS-247 5.4. (d) 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) (Canada).

Result

The maximum peak conducted output power level in the fundamental emission was measured using the method according to point 11.9.1.1 "RBW $\geq$ DTS bandwidth" 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: -0.15 dBi (Ch 2405MHz); -0.12 dBi (Ch 2445MHz);
-0.20 dBi (Ch 2475MHz)

Modulation: IEEE 802.15.4 ZigBee

	Low Channel 2405 MHz	Middle Channel 2445 MHz	High Channel 2480 MHz
Maximum Conducted Power (dBm)	1.64	1.54	1.39
Maximum EIRP Power (dBm)	1.49	1.42	1.19

Verdict

Pass

RSS-247 5.2 (b) / FCC 15.247 (e) [Psd] Power spectral density

Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

Modulation: IEEE 802.15.4 ZigBee

Results

Freq (MHz)	PSD (dBm)
2405.00000	-1.03
2445.00000	-1.23
2480.00000	-1.40

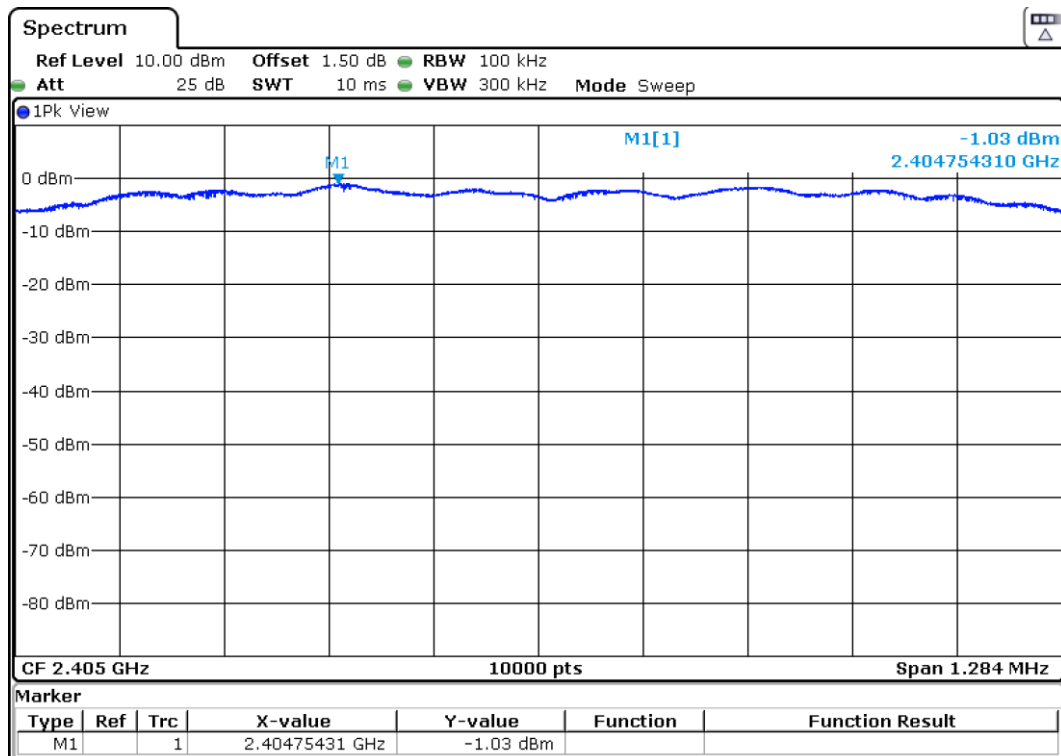
Verdict

Pass

Attachments

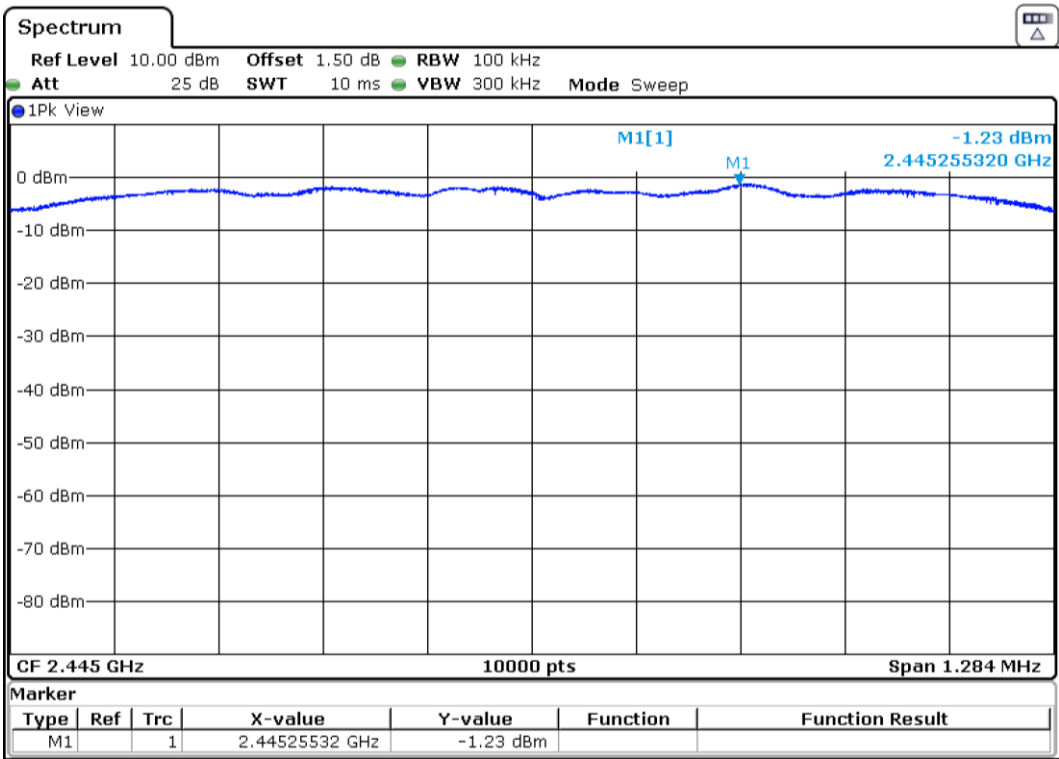
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2405.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee

Images:



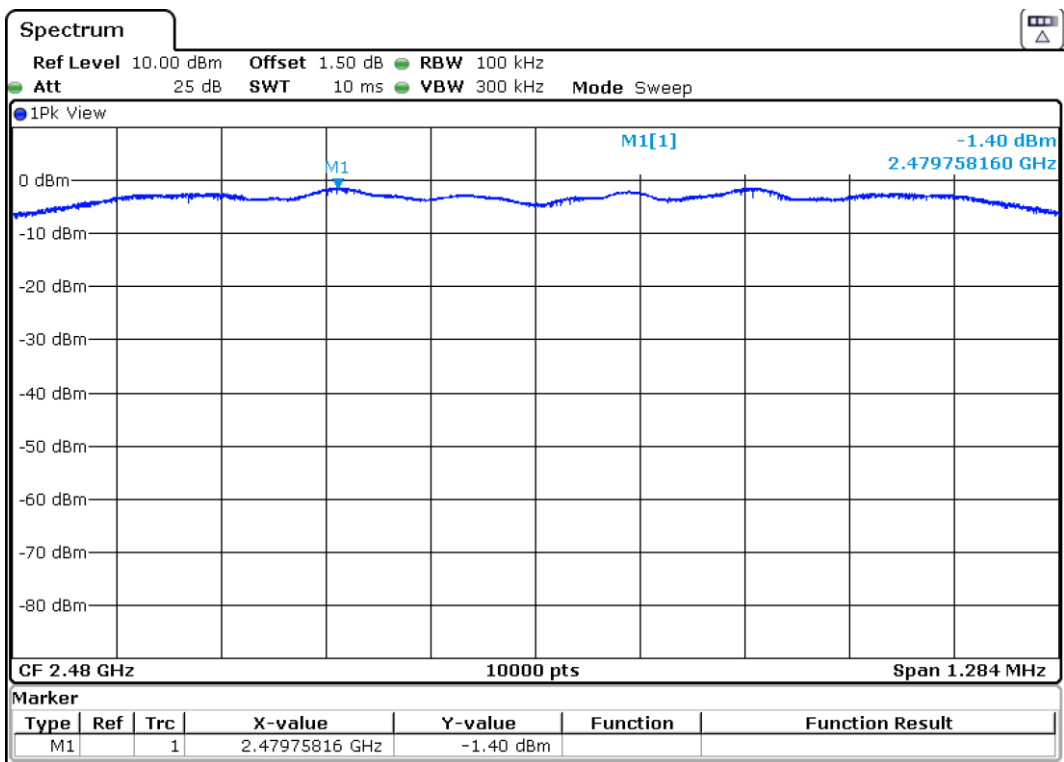
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2445.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee

Images:



Operation Band MHz = [2400, 2483.5], Frequency MHz = 2480.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee

Images:



RSS-247 5.5 / FCC 15.247 (d) [Bndedge] Band-edge emissions compliance (Transmitter)

Limits

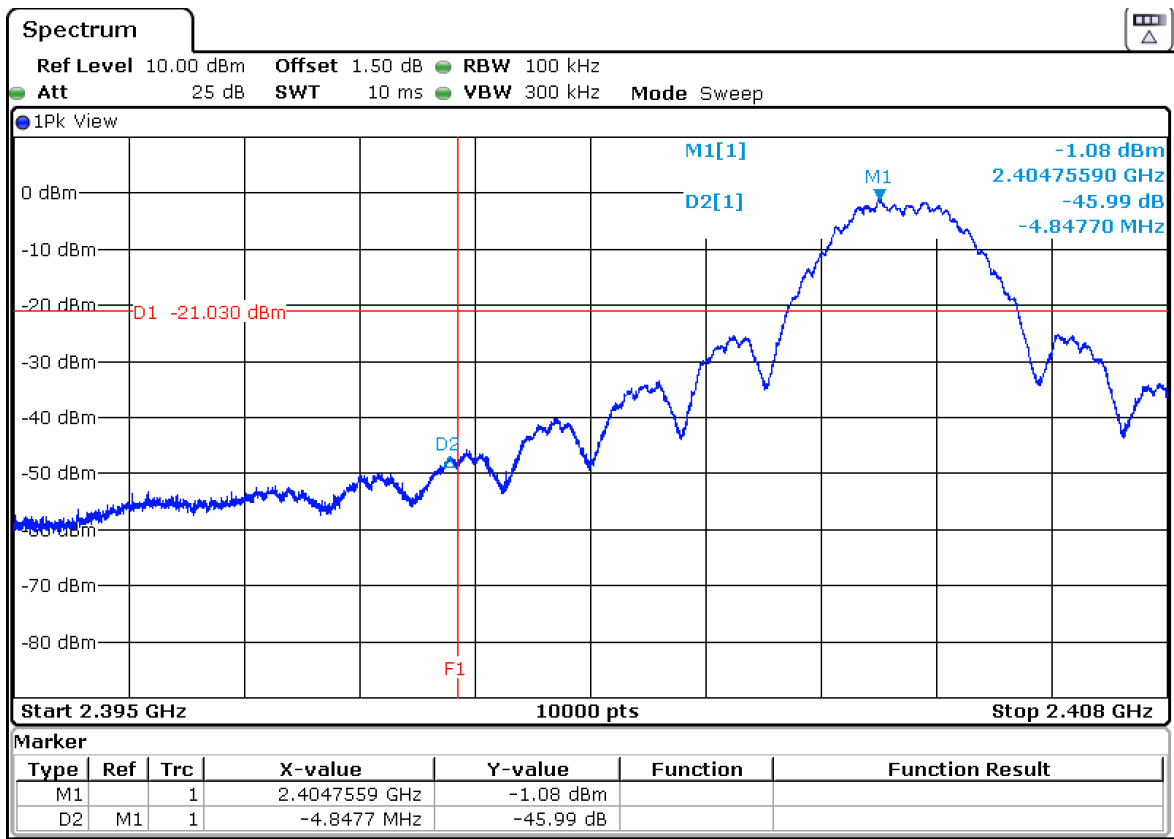
In any 100 kHz bandwidths outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Modulation: IEEE 802.15.4 ZigBee

Attachments

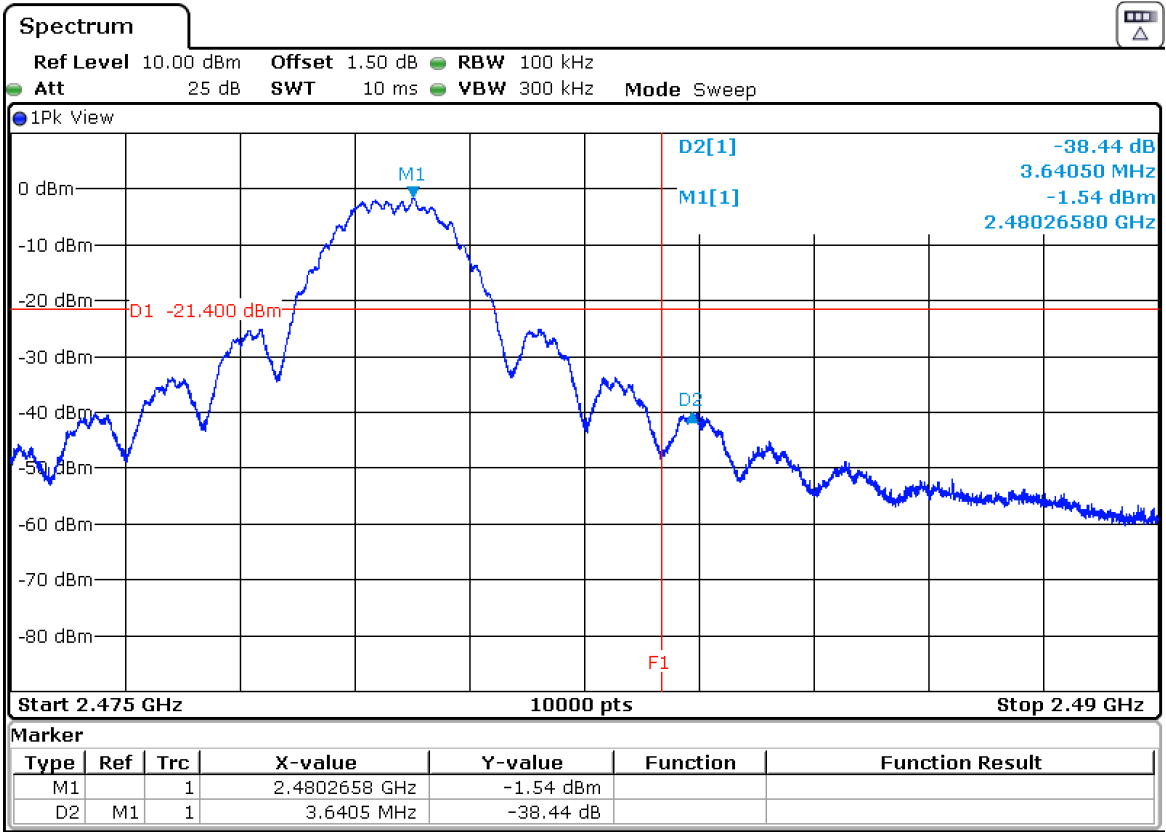
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2405.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Measurement Point = 1

Images:



Operation Band MHz = [2400, 2483.5], Frequency MHz = 2480.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Measurement Point = 1

Images:



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.

Modulation: IEEE 802.15.4 ZigBee

Results

Operation Band (MHz)	Freq (MHz)	Freq Rng (GHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[2400, 2483.5]	2405.00000	[1, 3]	2346.1333	57.12	V	PK
				44.21	V	AVG
	2405.00000	[1, 3]	2492.0667	57.69	V	PK
				44.96	V	AVG
	2445.00000	[1, 3]	2373.3333	56.84	V	PK
				44.15	V	AVG
	2445.00000	[1, 3]	2488.8667	58.39	H	PK
				44.92	H	AVG
	2480.00000	[1, 3]	2352.9333	56.83	V	PK
				44.18	V	AVG
	2480.00000	[1, 3]	2483.6667	62.57	H	PK
				50.59	H	AVG
	2480.00000	[1, 3]	2485.9333	58.37	V	PK
				45.06	V	AVG
	2405.00000	[3, 17]	4809.0000	46.96	H	PK
	2405.00000	[3, 17]	11293.5000	50.75	V	PK
	2445.00000	[3, 17]	4891.0000	46.72	H	PK
	2480.00000	[3, 17]	4959.0000	49.43	H	PK

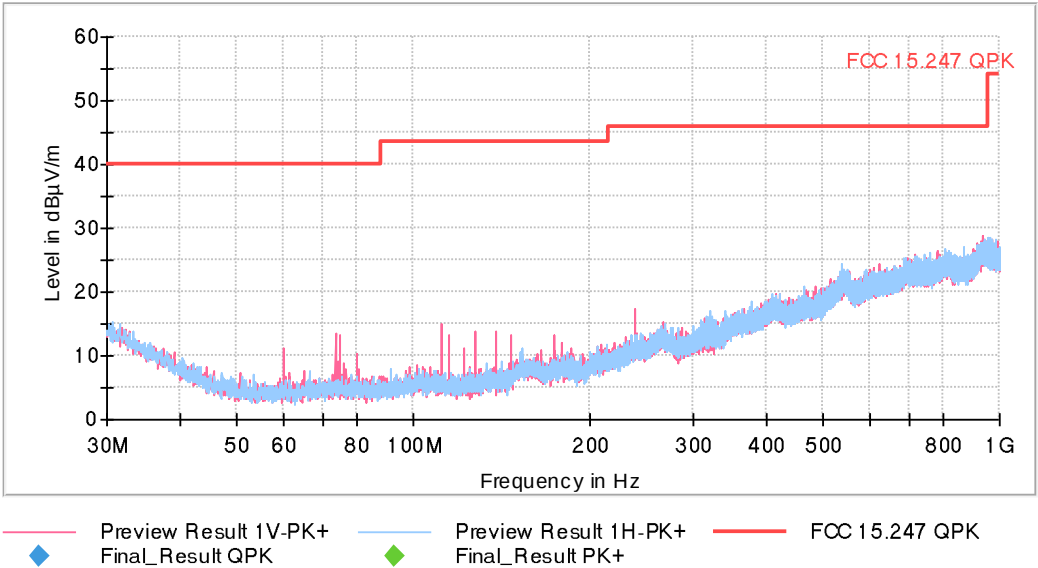
Verdict

Pass

Attachments

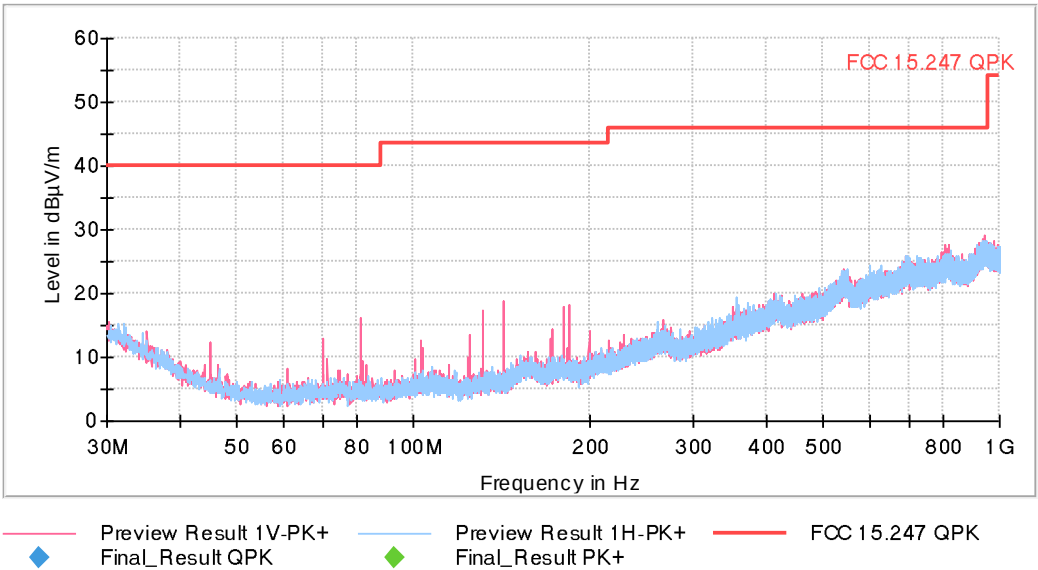
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2405.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [0.03, 1], Measurement Point = 1

Images:



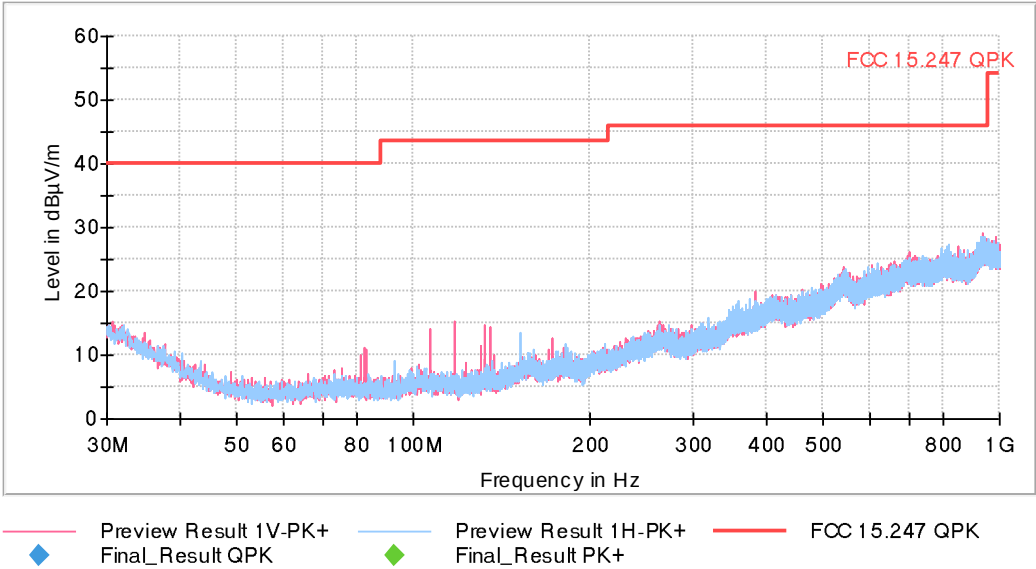
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2445.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [0.03, 1], Measurement Point = 1

Images:



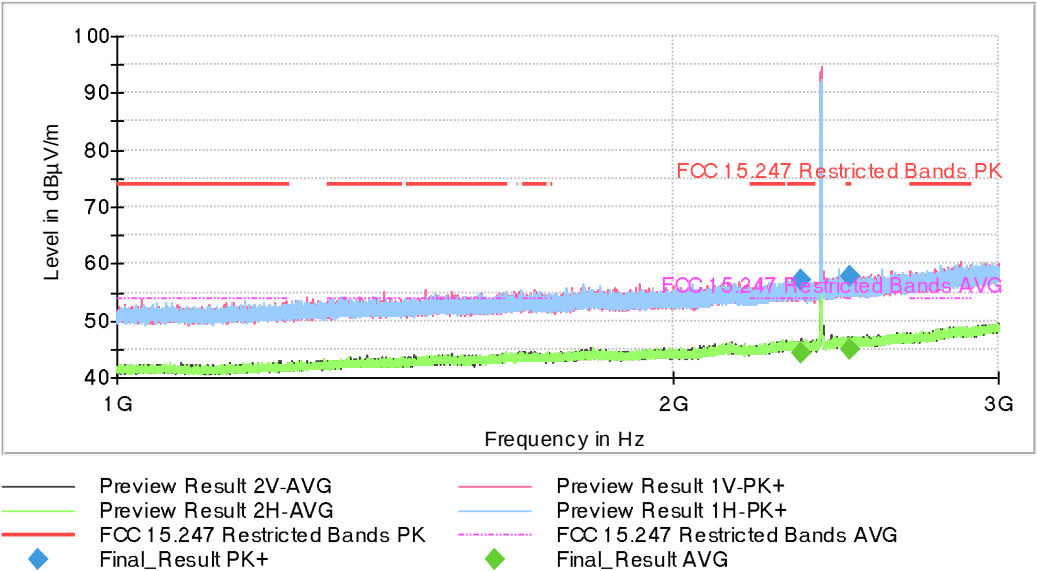
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2480.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [0.03, 1],
Measurement Point = 1

Images:

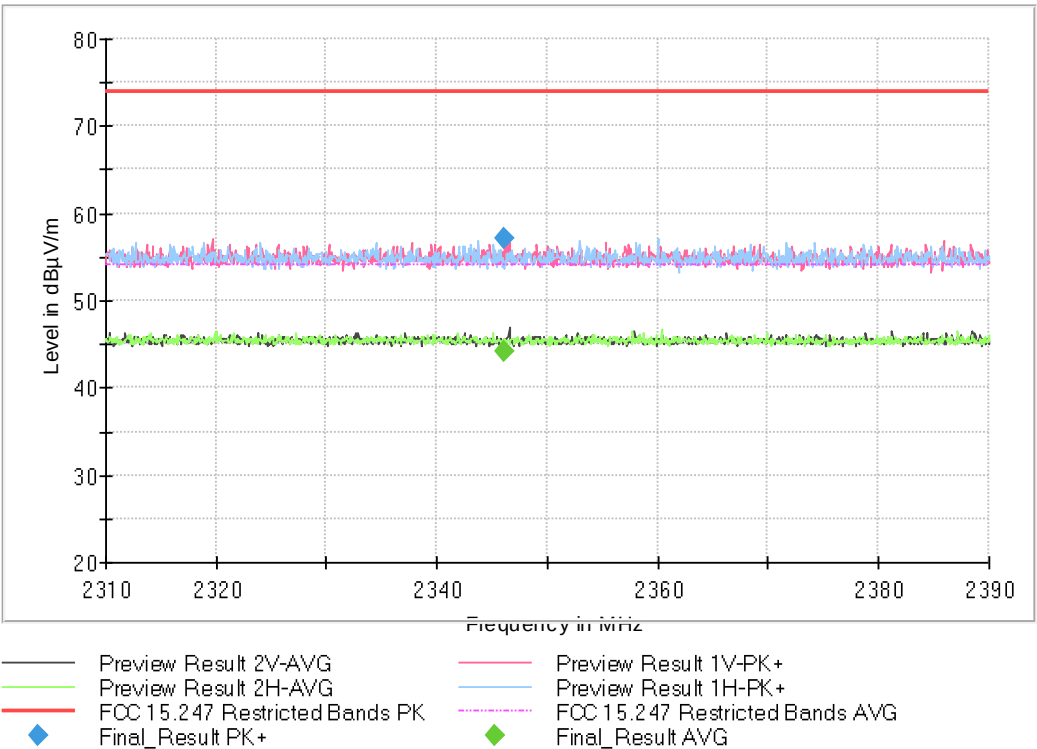


Operation Band MHz = [2400, 2483.5], Frequency MHz = 2405.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [1, 3],
Measurement Point = 1

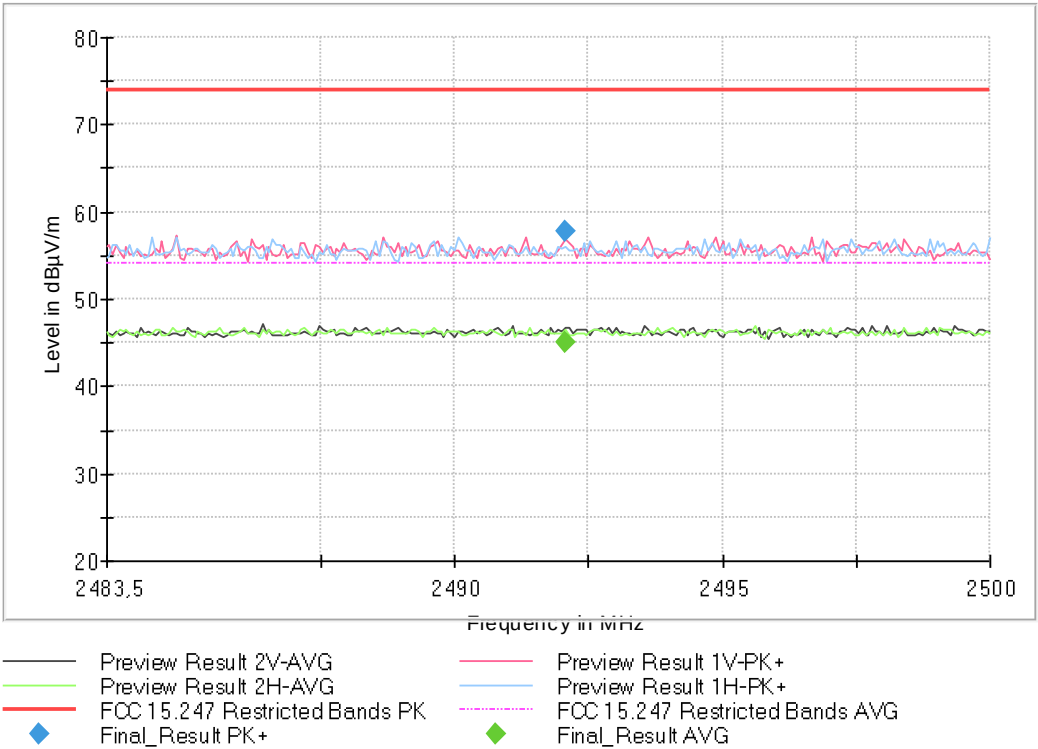
Images:



Full Spectrum

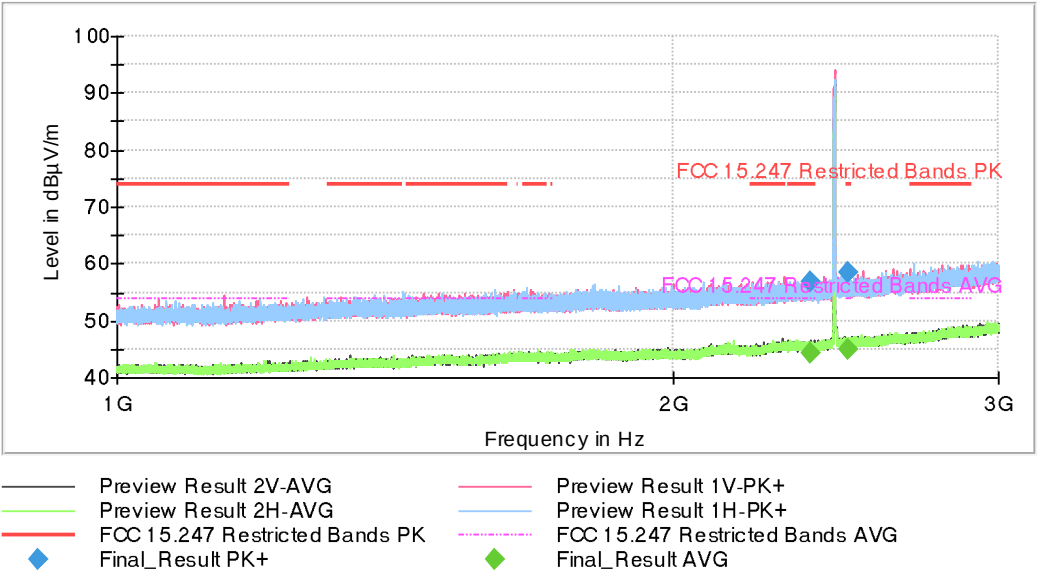


Full Spectrum

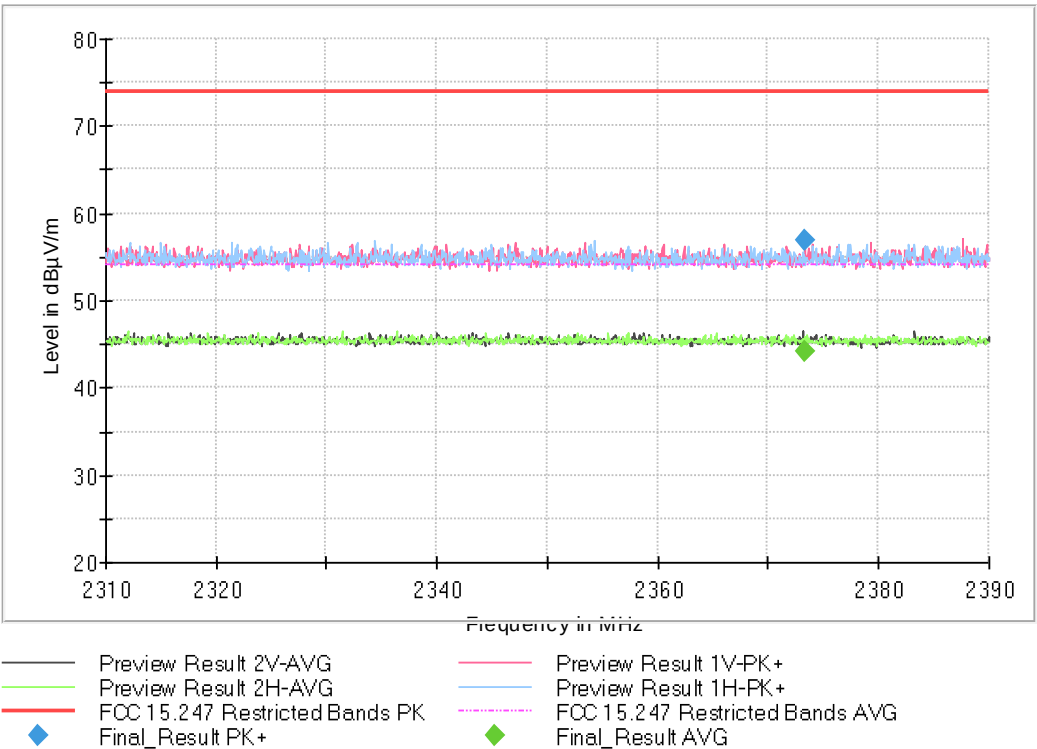


Operation Band MHz = [2400, 2483.5], Frequency MHz = 2445.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [1, 3],
Measurement Point = 1

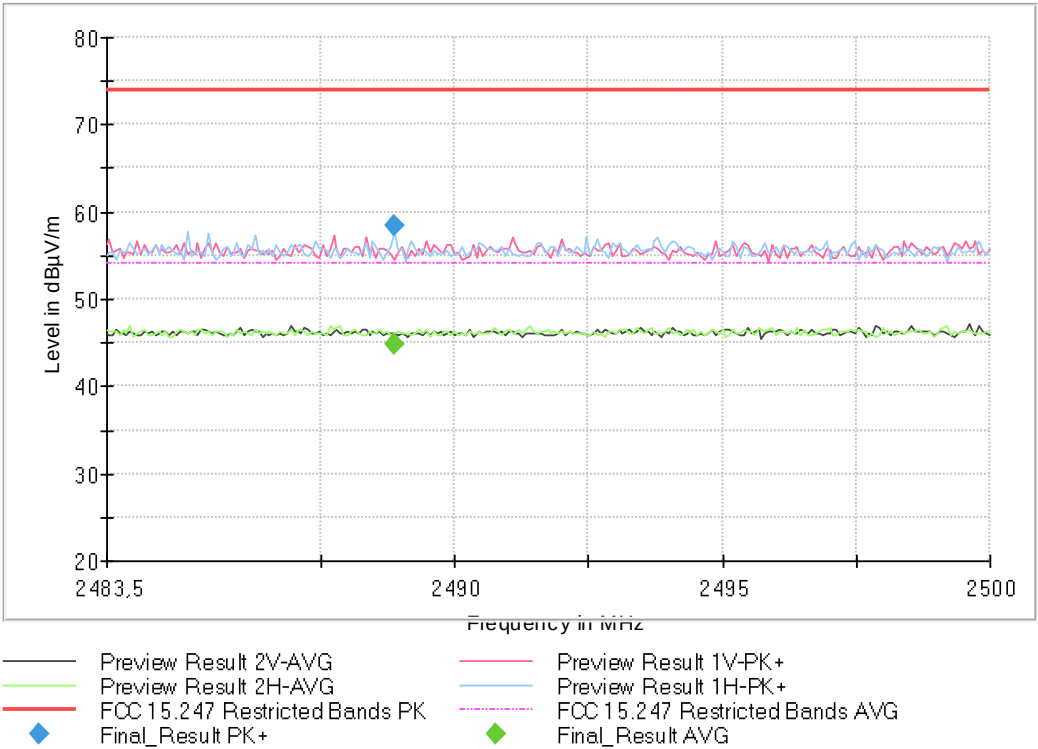
Images:



Full Spectrum

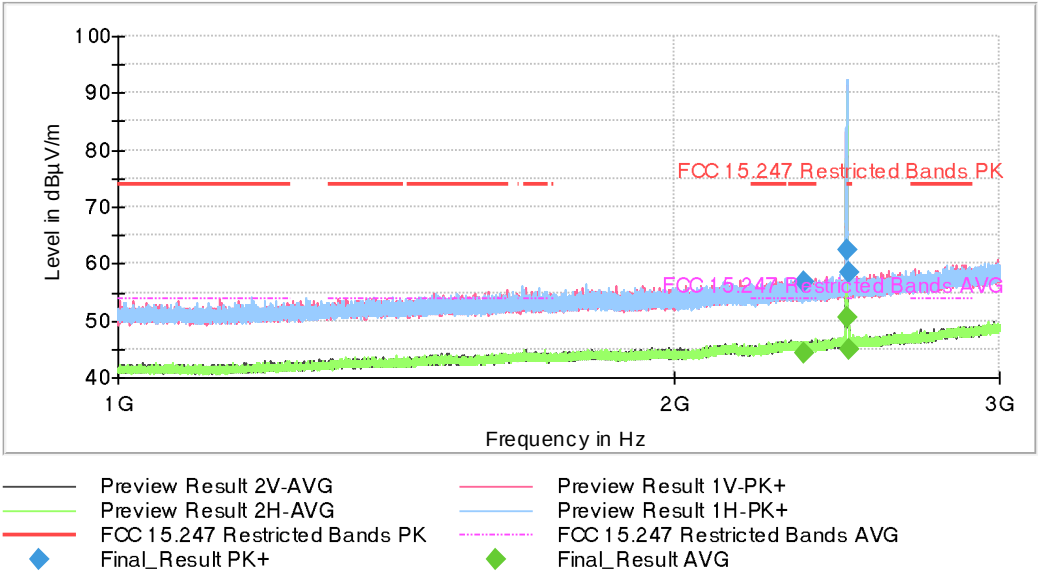


Full Spectrum

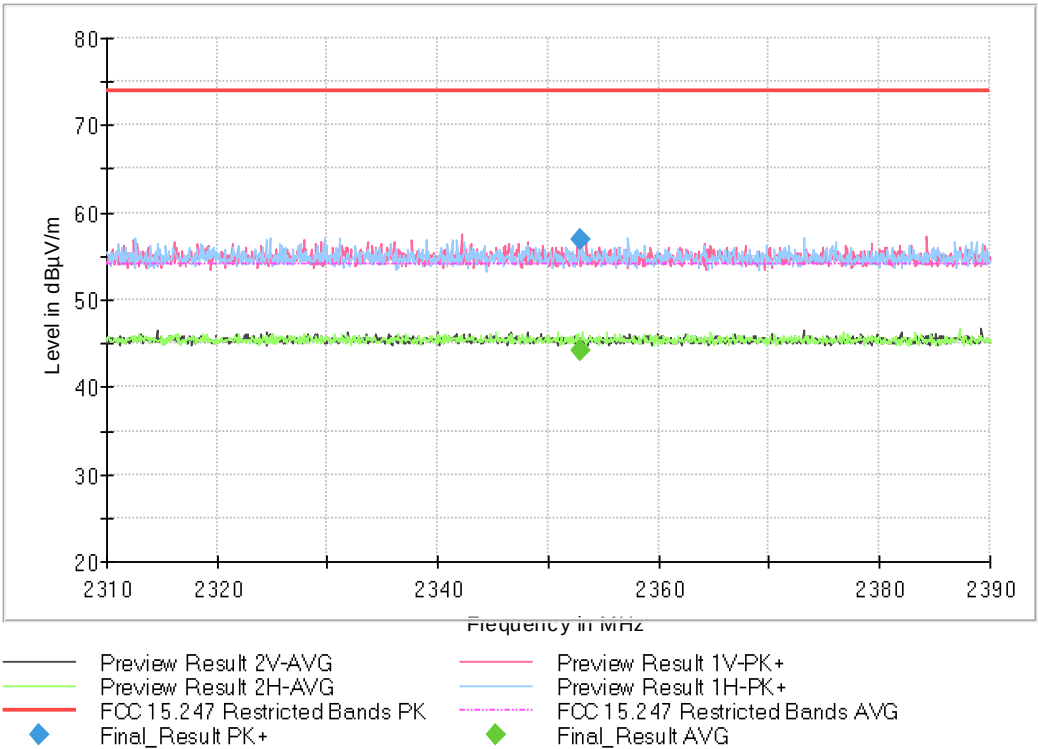


Operation Band MHz = [2400, 2483.5], Frequency MHz = 2480.00000, Equipment Type = Digital
Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [1, 3],
Measurement Point = 1

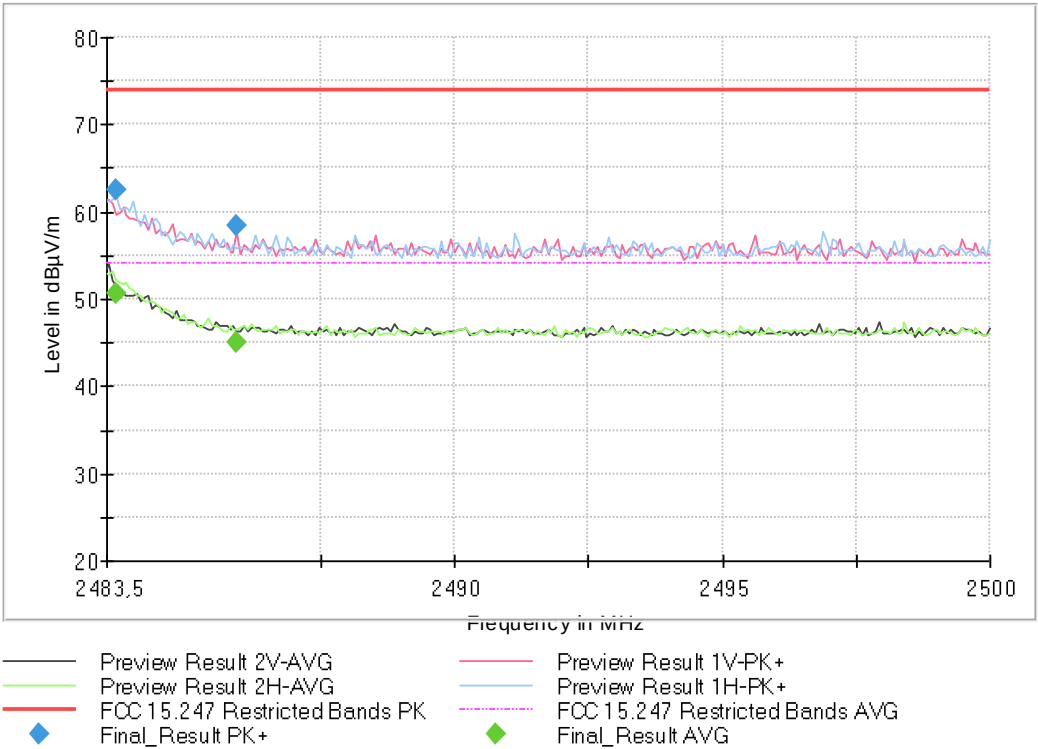
Images:



Full Spectrum

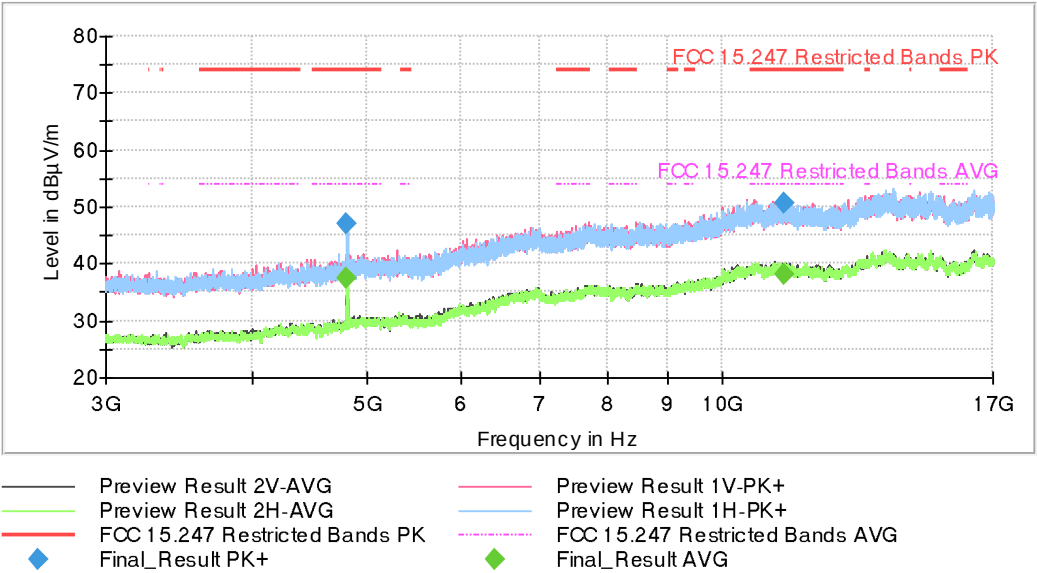


Full Spectrum



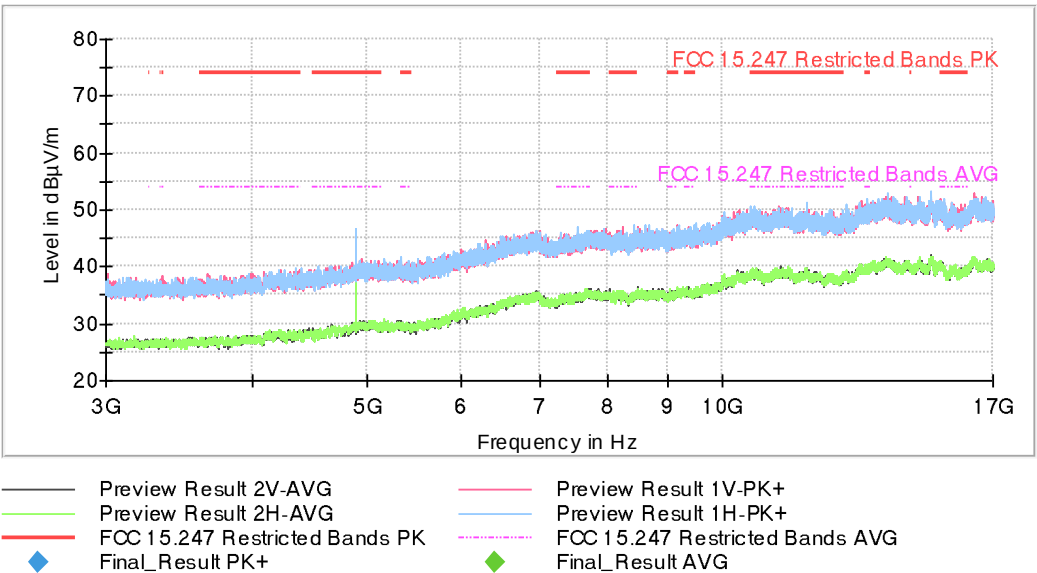
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2405.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [3, 17], Measurement Point = 1

Images:



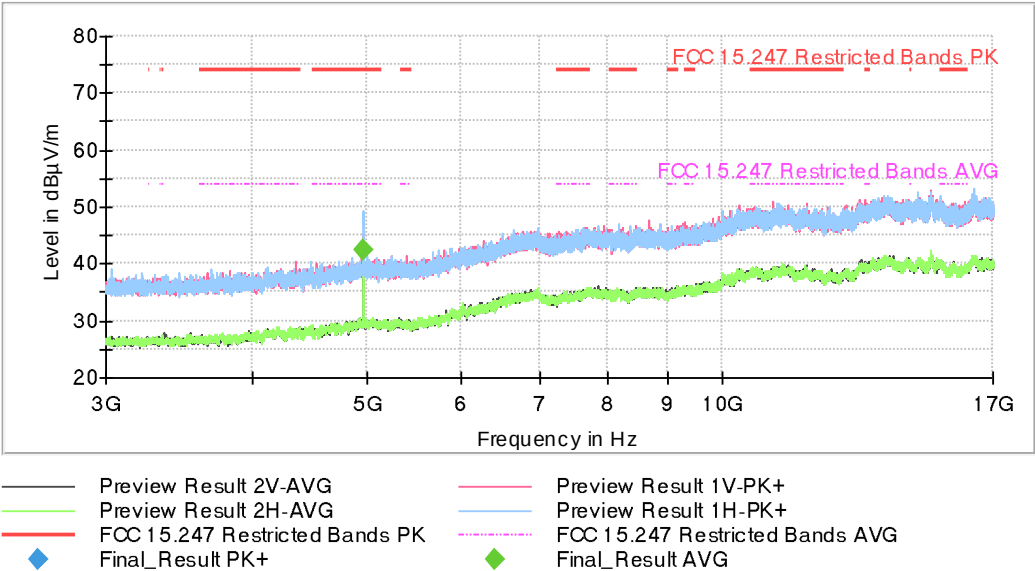
Operation Band MHz = [2400, 2483.5], Frequency MHz = 2445.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [3, 17], Measurement Point = 1

Images:



Operation Band MHz = [2400, 2483.5], Frequency MHz = 2480.00000, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [3, 17], Measurement Point = 1

Images:



Operation Band MHz = [2400, 2483.5], Frequency MHz = This plot is valid for the Low, Middle and High Channels, Equipment Type = Digital Transmission System (DTS), Modulation = IEEE 802.15.4 ZigBee, Frequency Range GHz = [17, 26], Measurement Point = 1

Images:

