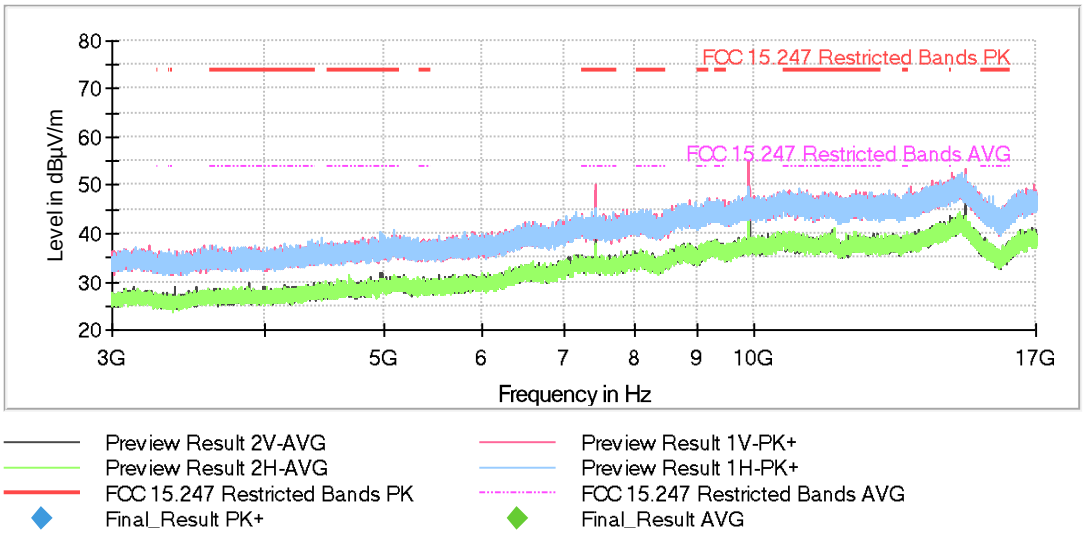
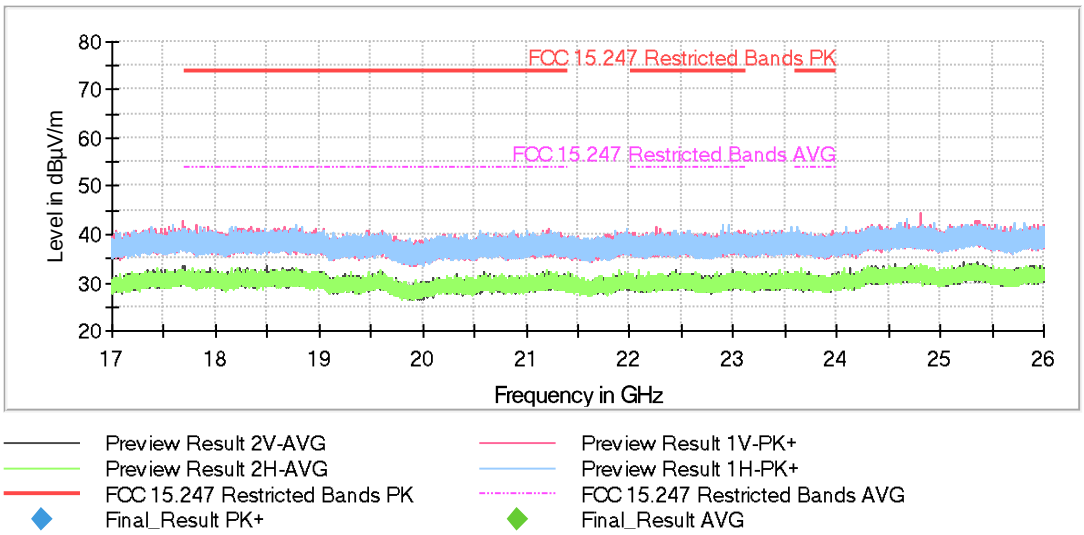
Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2480.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 2 Mbit/s), Frequency Range (GHz) = [3, 17]

Plots:



Operation Band (MHz) = [2400, 2483.5], Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 2 Mbit/s), Frequency Range (GHz) = [17, 26]

Plots:



This plot is valid for Low, Middle and High Channels.

Modulation: BTLE 5.0 (GFSK 1 Mbit/s)

Results

Frequency range 30 MHz – 1 GHz:

ID	Comments
--	The spurious frequencies detected do not depend on the operating channel.

Freq Rng (GHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[0.03, 1]	375.0193	38.77	H	QP
	449.9712	38.89	V	QP
	624.9786	31.77	V	QP

Frequency range 1 GHz – 26 GHz:

ID	Comments
--	The results in the next table 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 compliance checking with the average limit.

Freq (MHz)	Freq Rng (GHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
2402.00000	[3, 17]	7205.7400 (*)	48.34	V	PK
		9607.0200 (*)	53.10	V	PK
		14410.4200 (*)	53.87	V	PK
2440.00000	[3, 17]	7319.1400	47.82	V	PK
		9760.8800 (*)	52.16	V	PK
		14641.5600 (*)	52.70	V	PK
2480.00000	[3, 17]	4959.8600	40.05	V	PK
		7440.8000	48.33	V	PK
		9920.6200 (*)	50.38	V	PK

(*) This Spurious Frequency is outside the restricted bands as defined in §15.205(a). The peak spurious level is more than 20 dB below the peak carrier level.

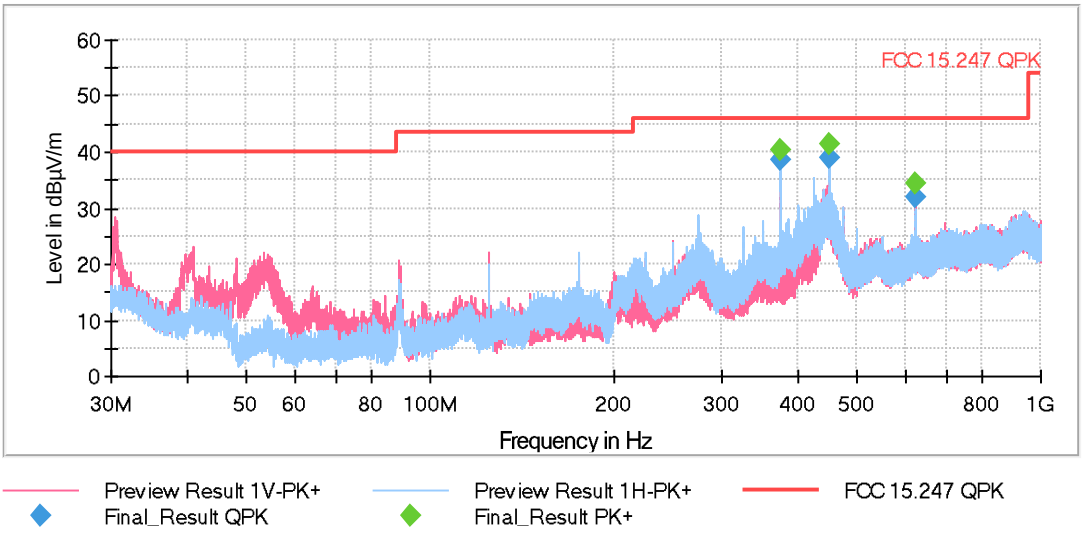
Verdict

Pass

Attachments

Operation Band (MHz) = [2400, 2483.5], Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [0.03, 1]

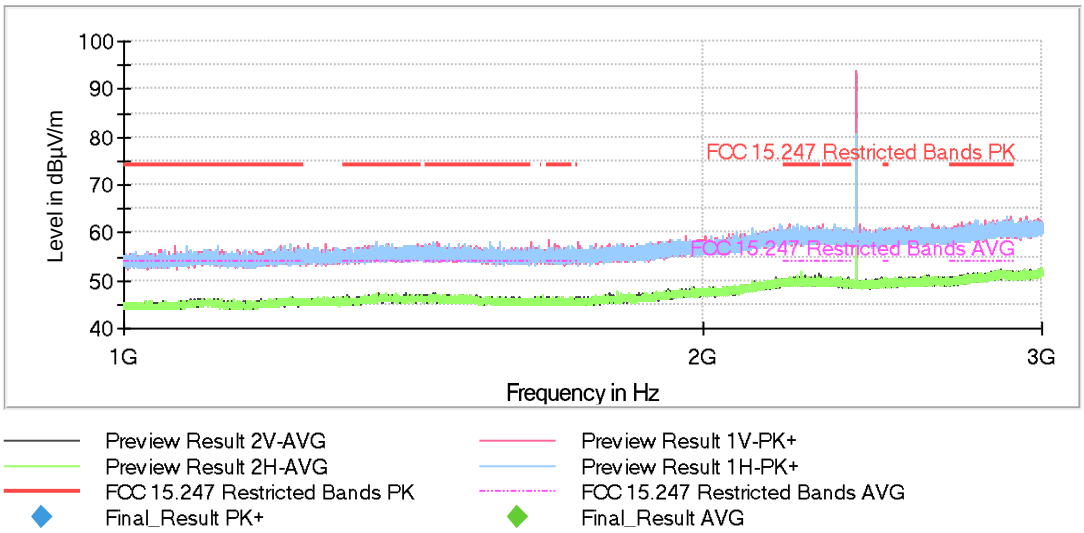
Plots:



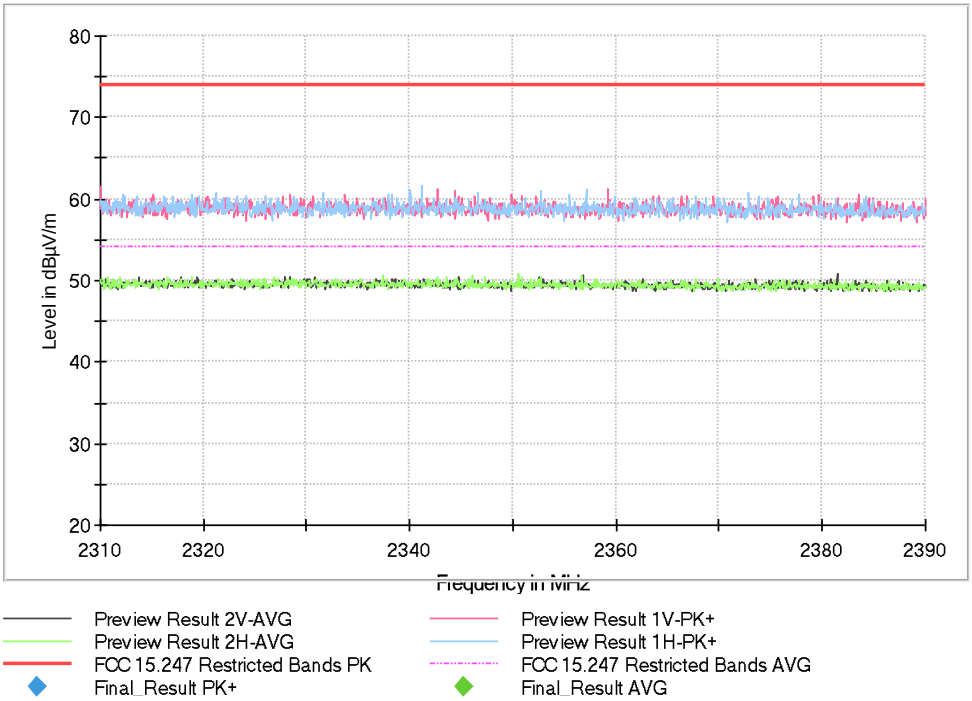
This plot is valid for Low, Middle and High Channels.

Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2402.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [1, 3]

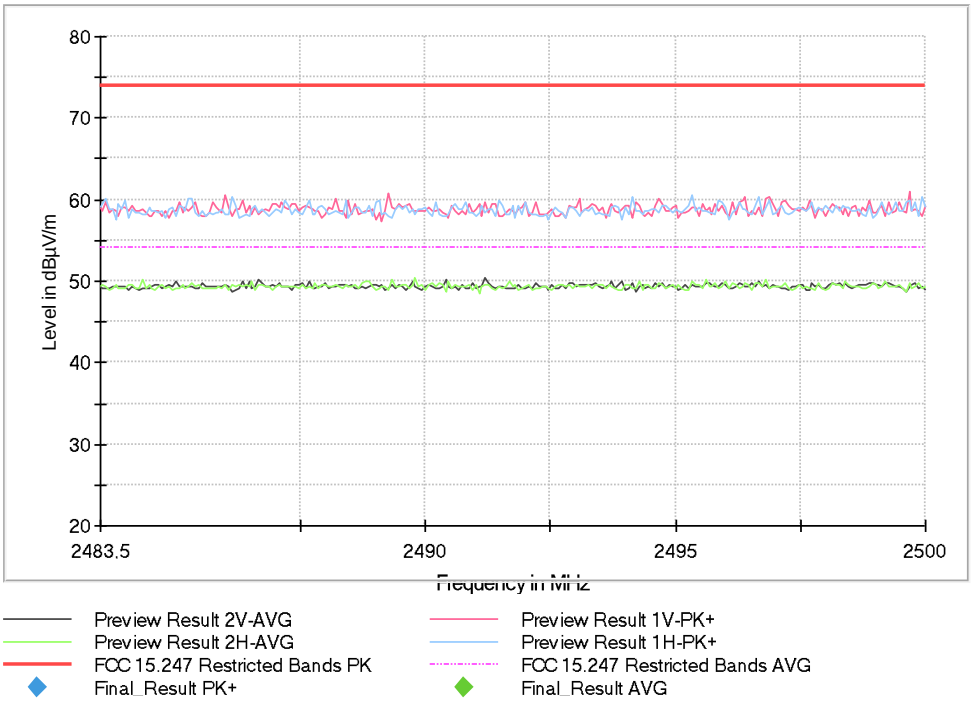
Plots:



Full Spectrum

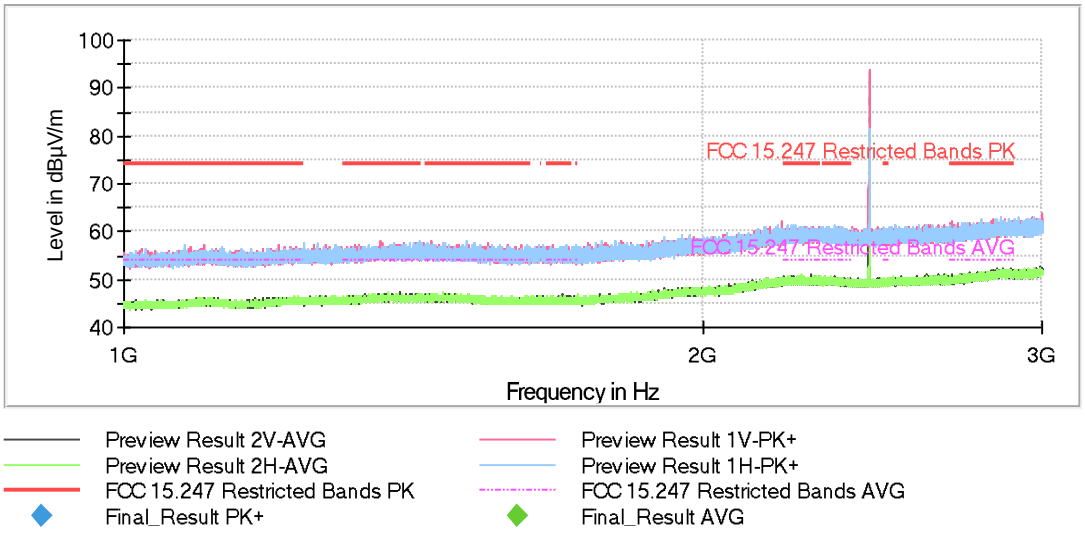


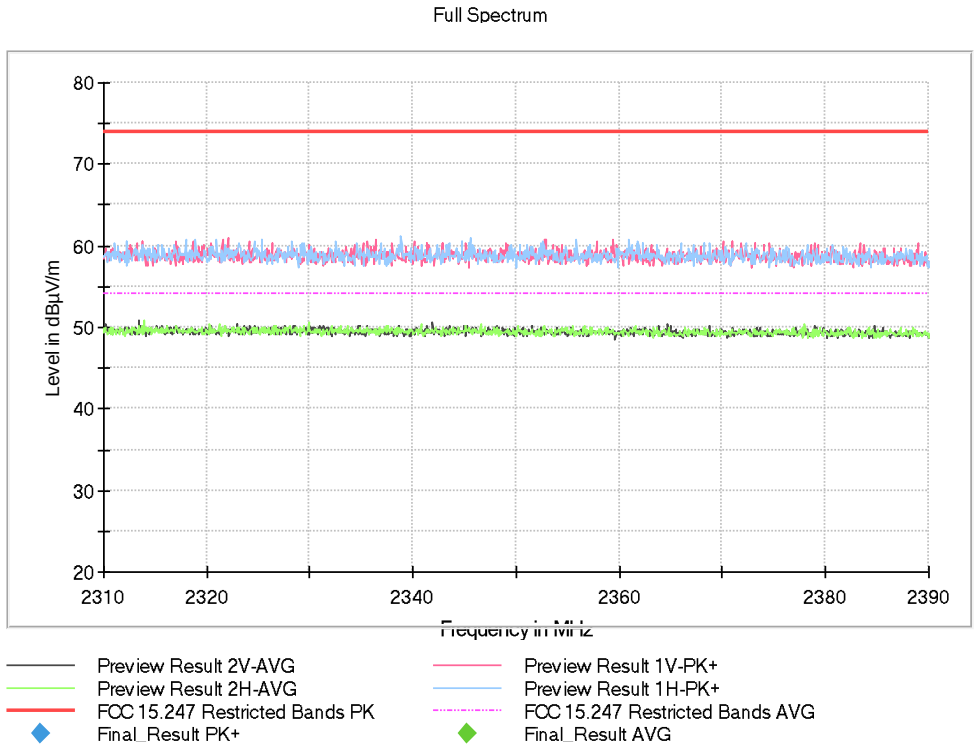
Full Spectrum

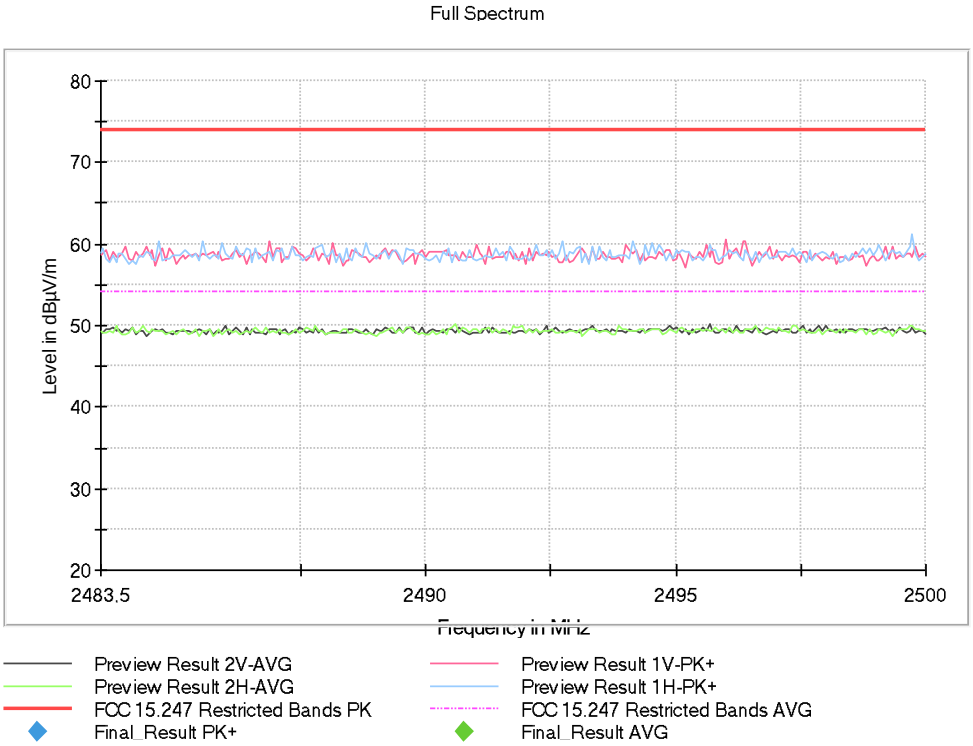


Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2440.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [1, 3]

Plots:

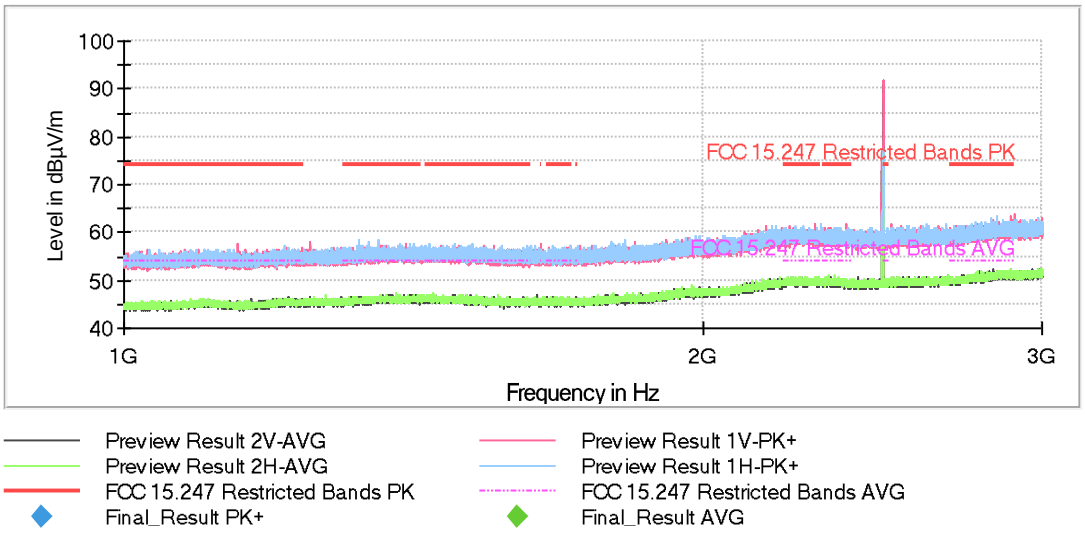




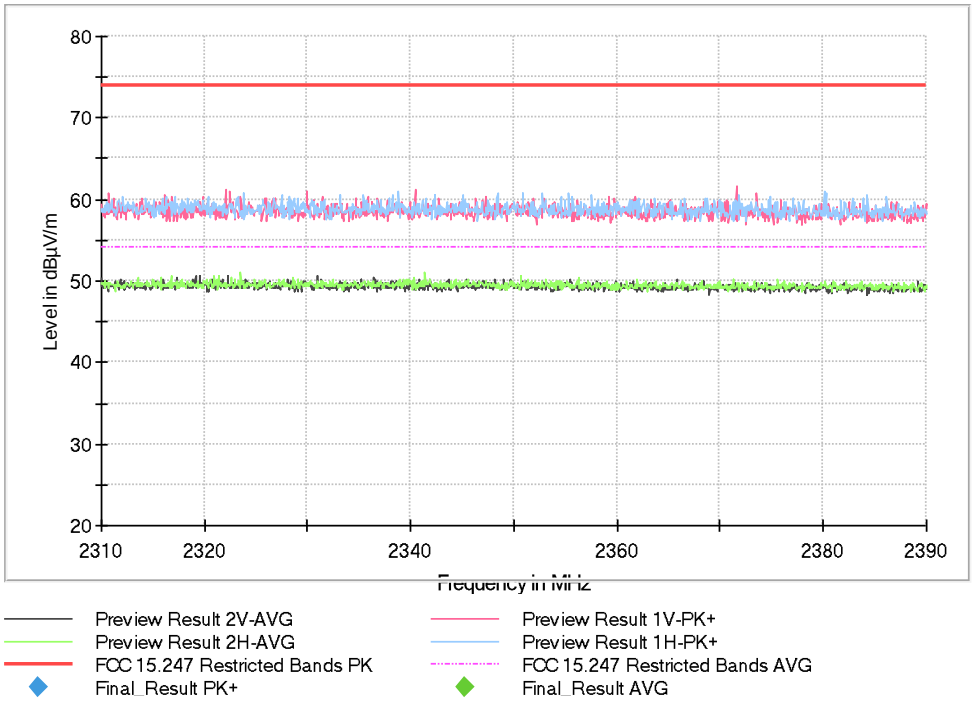


Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2480.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [1, 3]

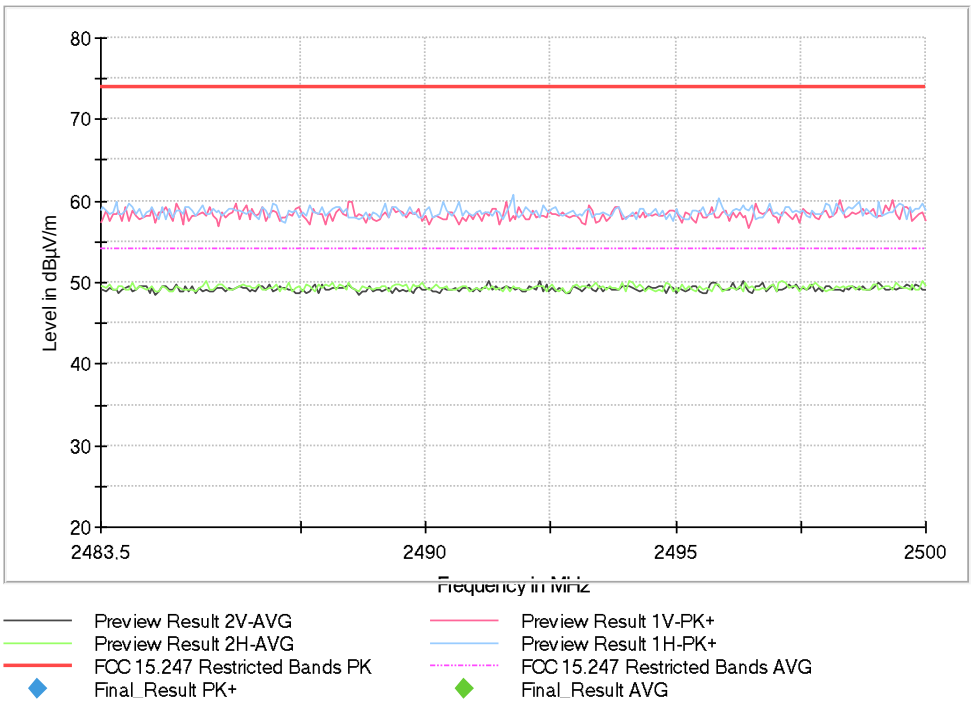
Plots:



Full Spectrum

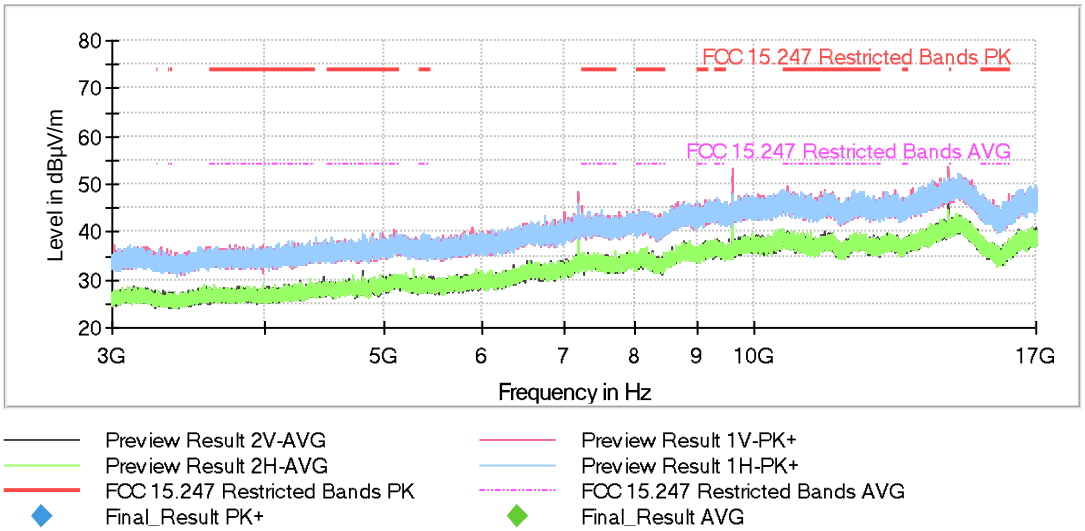


Full Spectrum



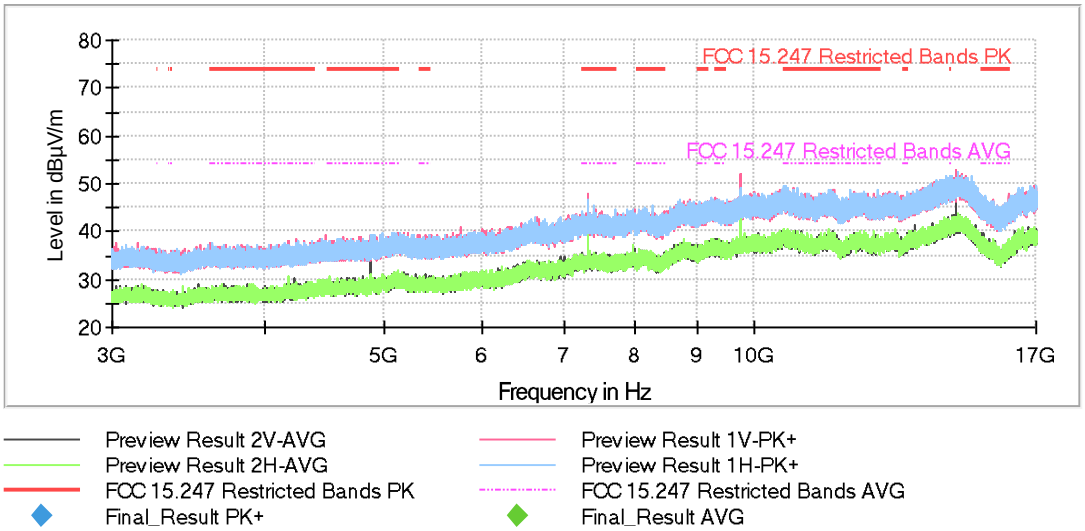
Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2402.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [3, 17]

Plots:



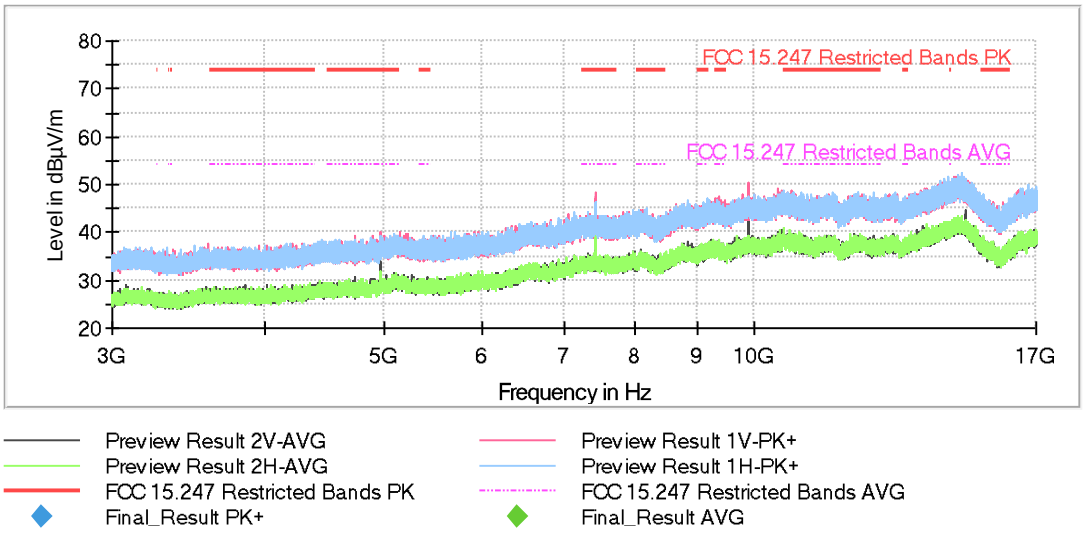
Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2440.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [3, 17]

Plots:



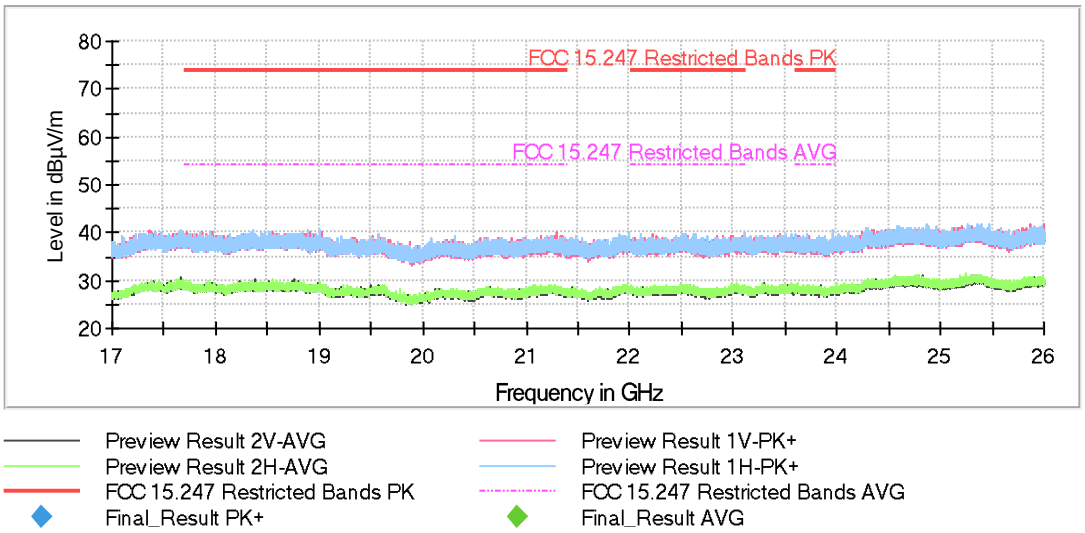
Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2480.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [3, 17]

Plots:



Operation Band (MHz) = [2400, 2483.5], Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [17, 26]

Plots:



This plot is valid for Low, Middle and High Channels.

- **Configuration 2**

Modulation: BTLE 5.0 (GFSK 2 Mbit/s)

Results

Frequency range 30 MHz – 1 GHz:

ID	Comments
--	The spurious frequencies detected do not depend on the operating channel.

Freq Rng (GHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[0.03, 1]	374.9805	39.67	H	QP
	425.0131	43.52	H	QP
	624.9980	33.36	V	QP

Frequency range 1 GHz – 26 GHz:

ID	Comments
--	The results in the next table 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 compliance checking with the average limit.

Freq (MHz)	Freq Rng (GHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
2402.00000	[3, 17]	7207.4200 (*)	51.63	V	PK
		9609.9600 (*)	51.23	V	PK
		14409.0200 (*)	58.73	V	PK
2440.00000	[3, 17]	7318.5800	51.46	V	PK
		9757.9400 (*)	52.02	V	PK
		14637.0800 (*)	53.32	V	PK
2480.00000	[3, 17]	7439.9600	50.56	V	PK
		9921.7400 (*)	49.65	V	PK

(*) This Spurious Frequency is outside the restricted bands as defined in §15.205(a). The peak spurious level is more than 20 dB below the peak carrier level.

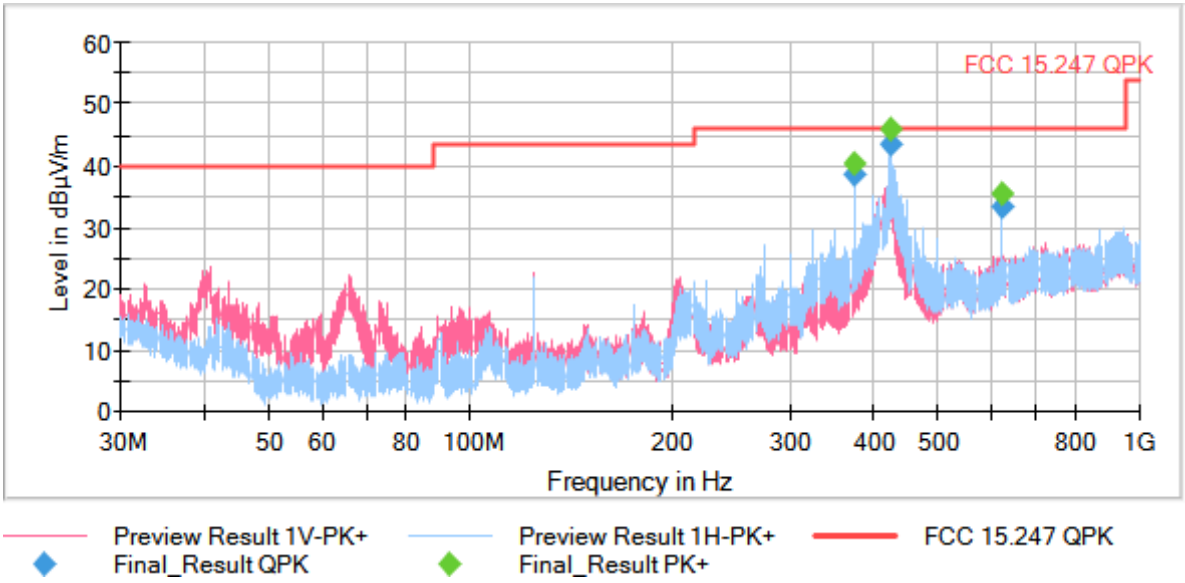
Verdict

Pass

Attachments

Operation Band (MHz) = [2400, 2483.5], Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 2 Mbit/s), Frequency Range (GHz) = [0.03, 1]

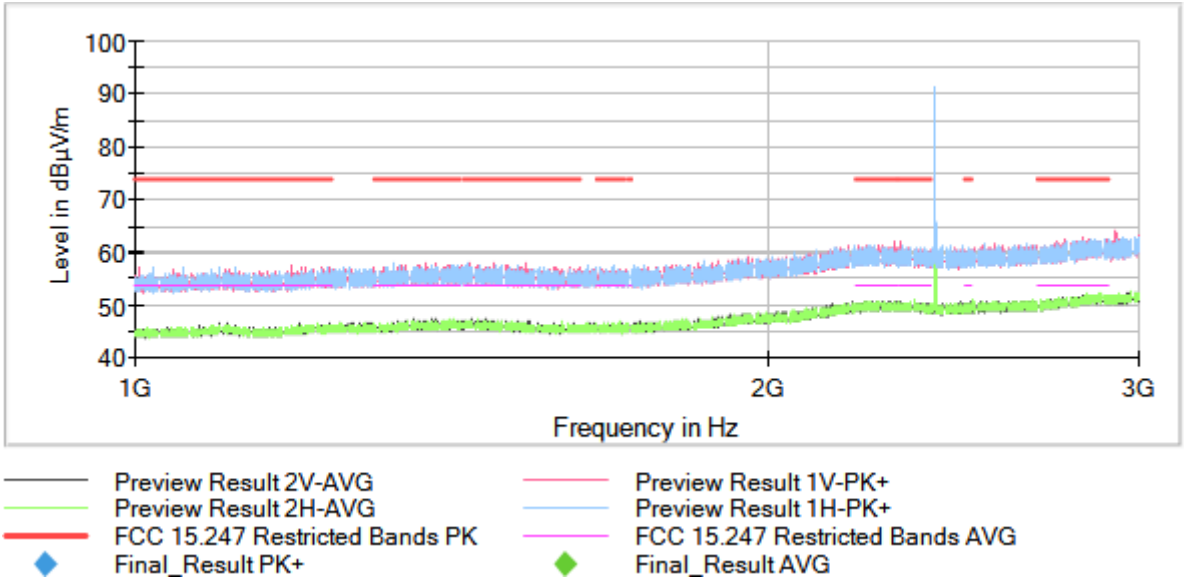
Plots:



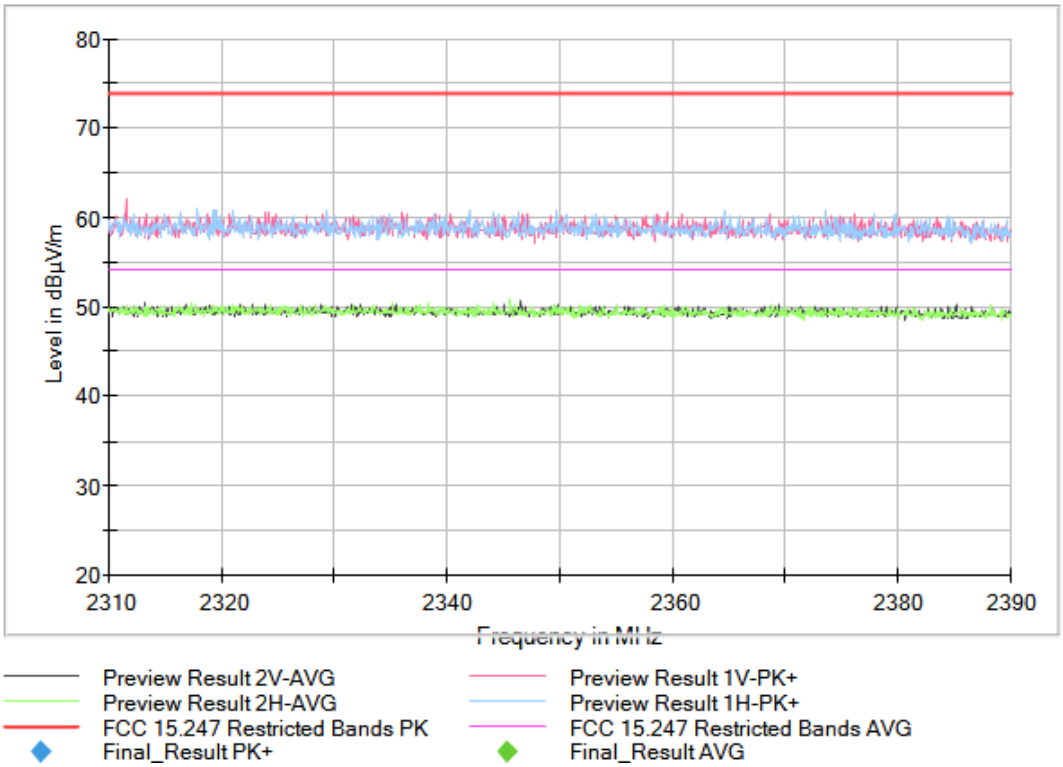
This plot is valid for Low, Middle and High Channels.

Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2402.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 2 Mbit/s), Frequency Range (GHz) = [1, 3]

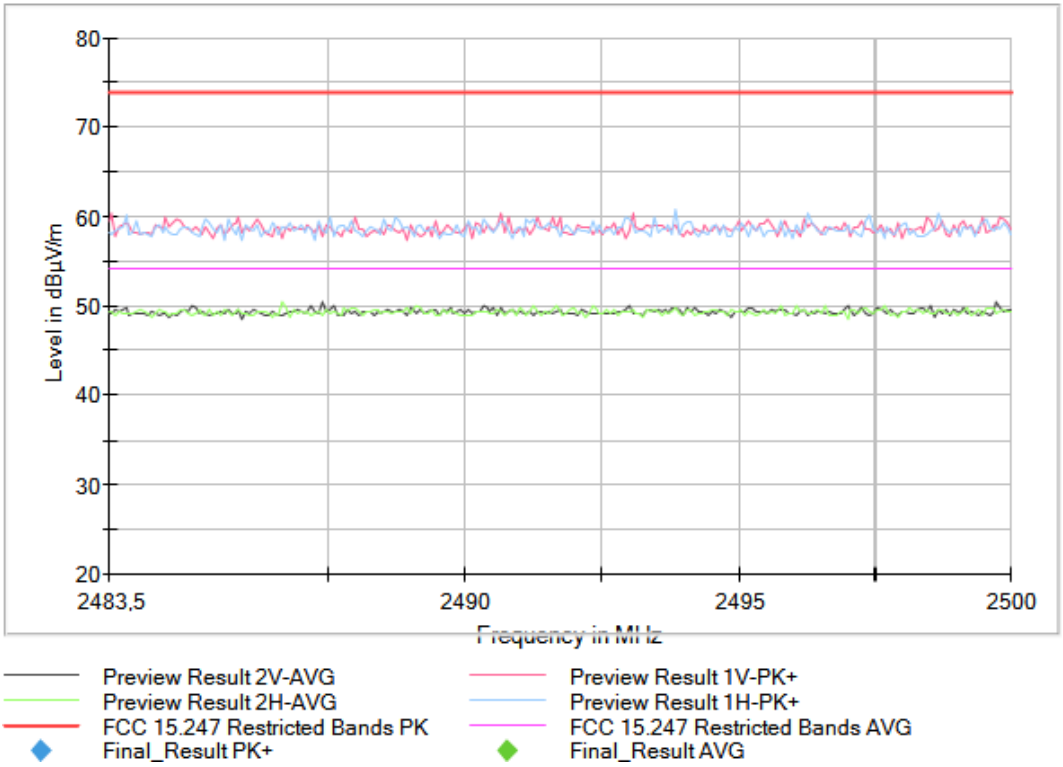
Plots:



Full Spectrum

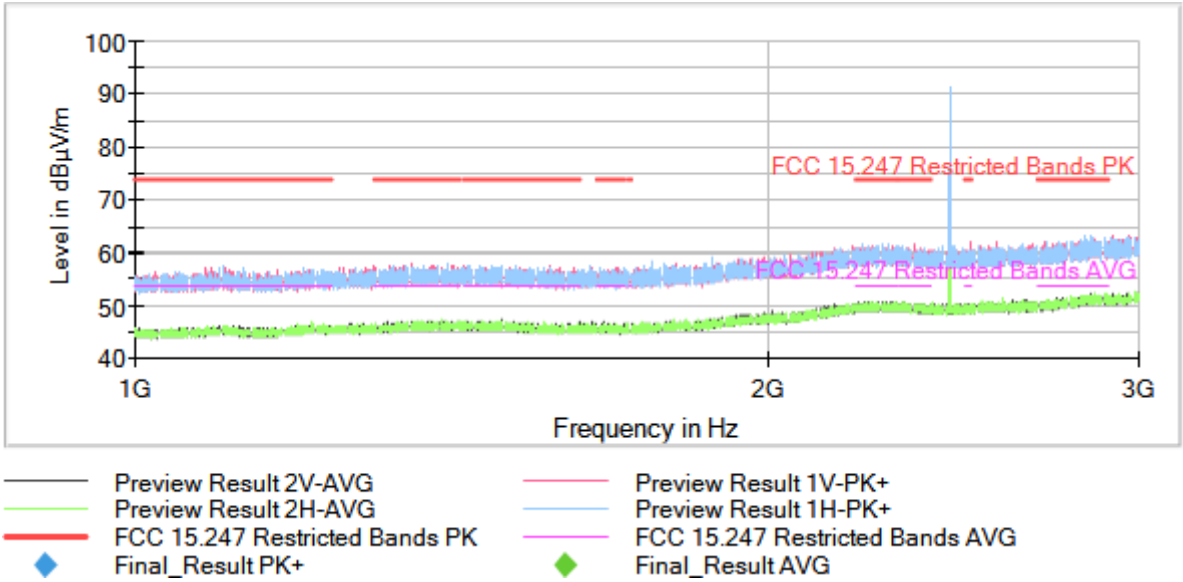


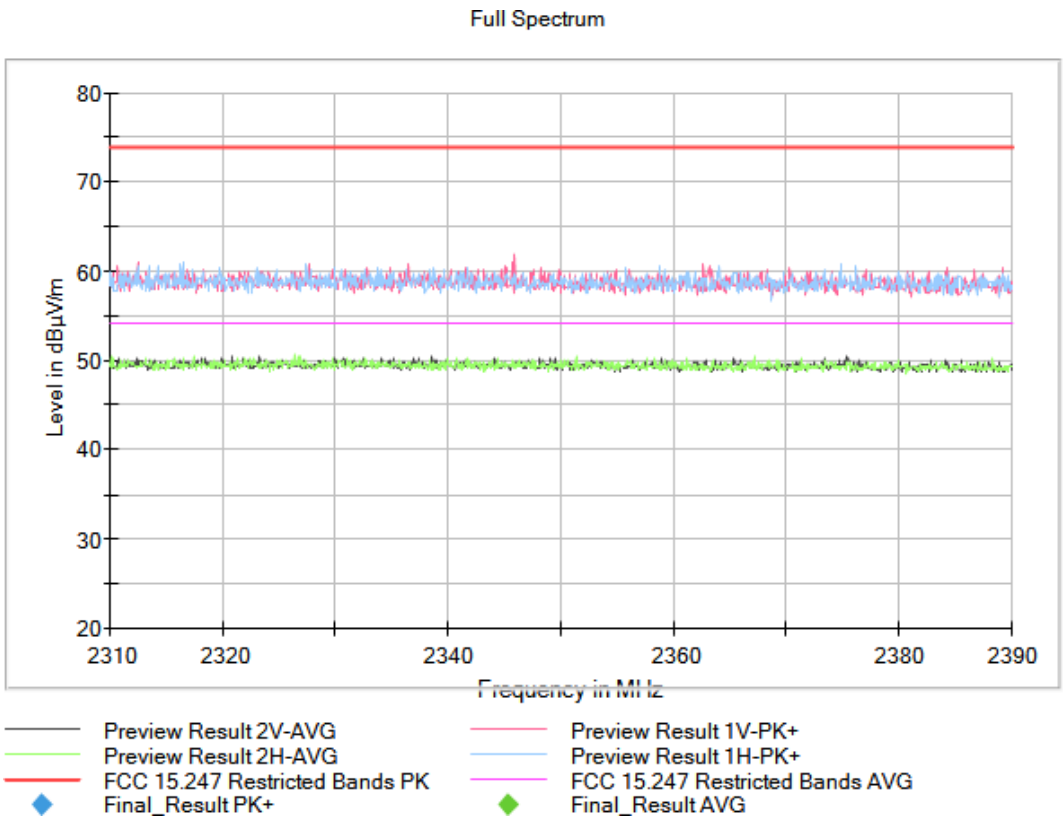
Full Spectrum



Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2440.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 2 Mbit/s), Frequency Range (GHz) = [1, 3]

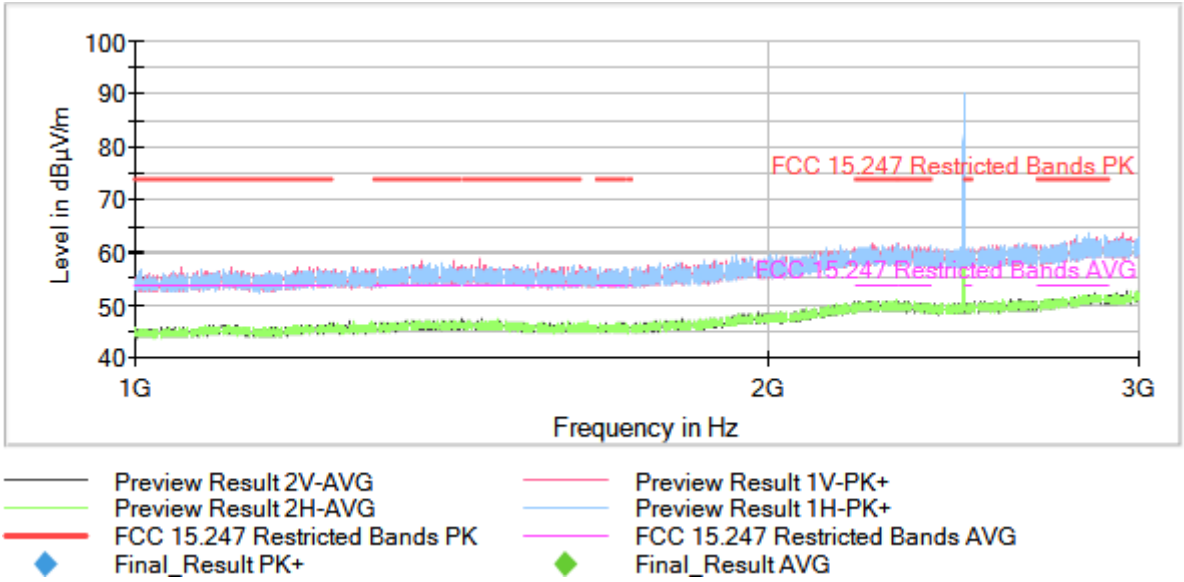
Plots:



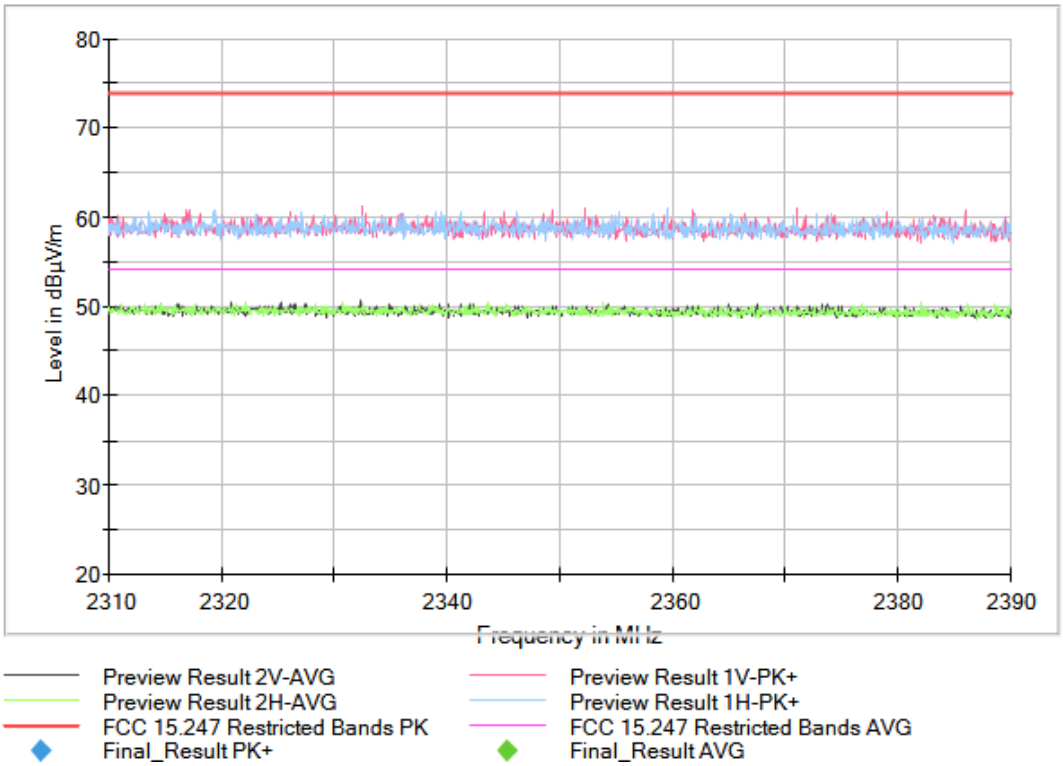


Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2480.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 2 Mbit/s), Frequency Range (GHz) = [1, 3]

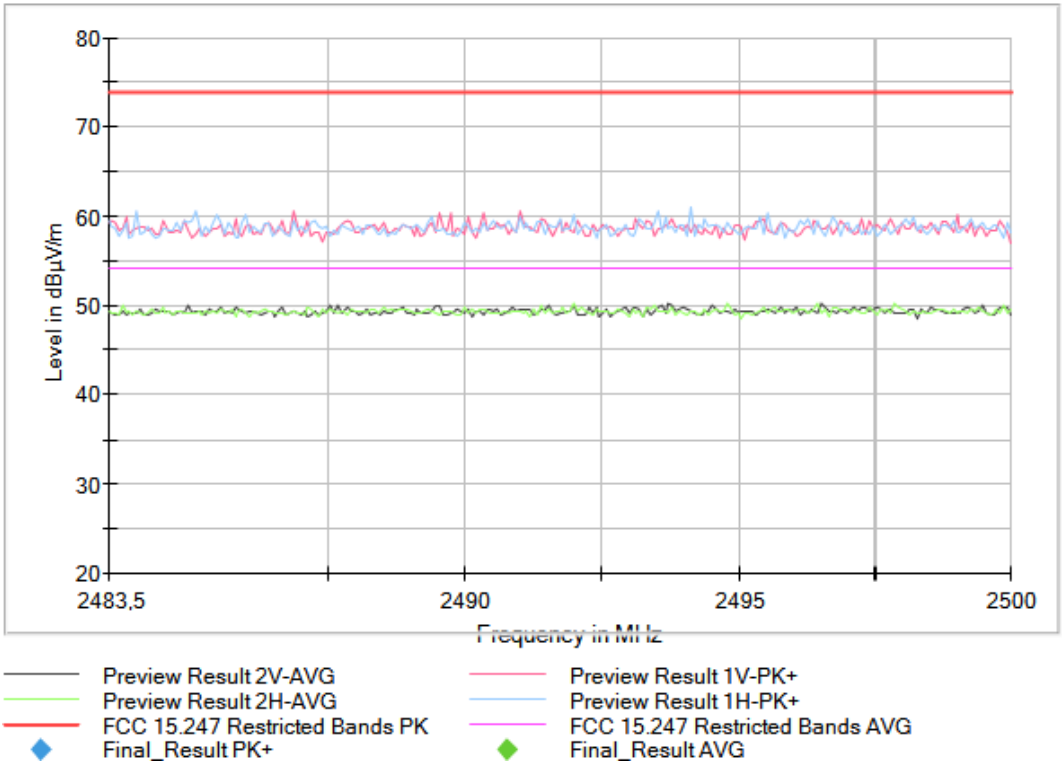
Plots:



Full Spectrum

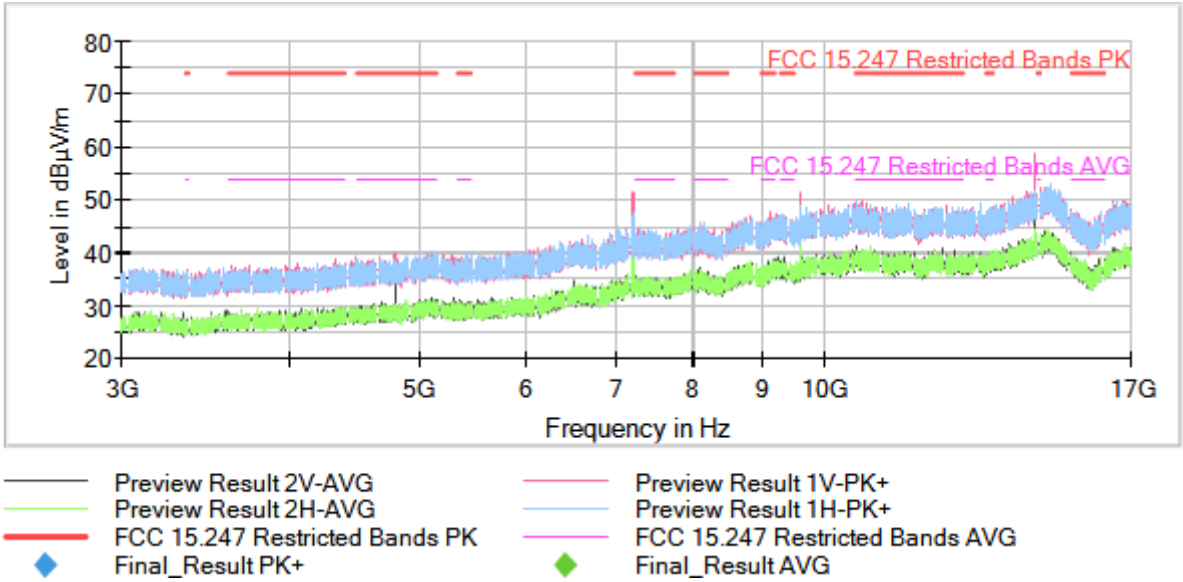


Full Spectrum



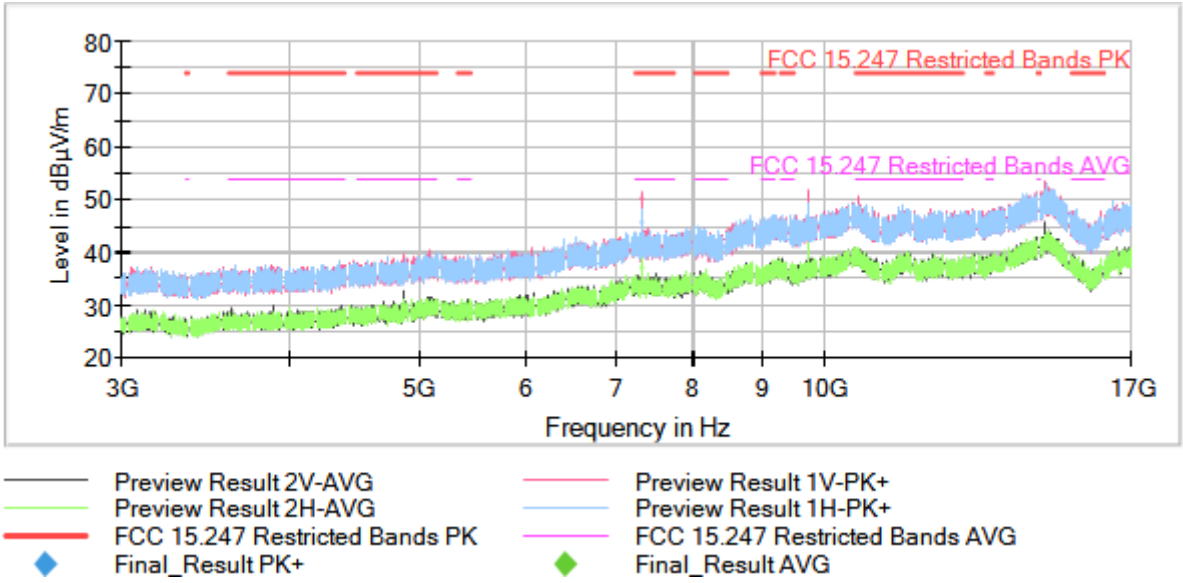
Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2402.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 2 Mbit/s), Frequency Range (GHz) = [3, 17]

Plots:



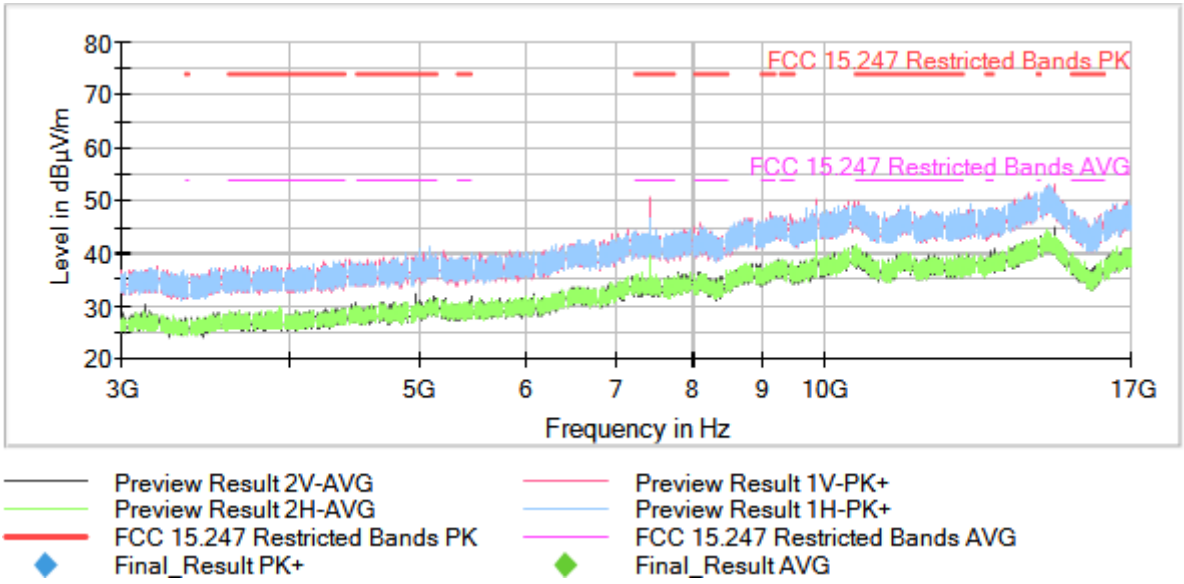
Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2440.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 2 Mbit/s), Frequency Range (GHz) = [3, 17]

Plots:



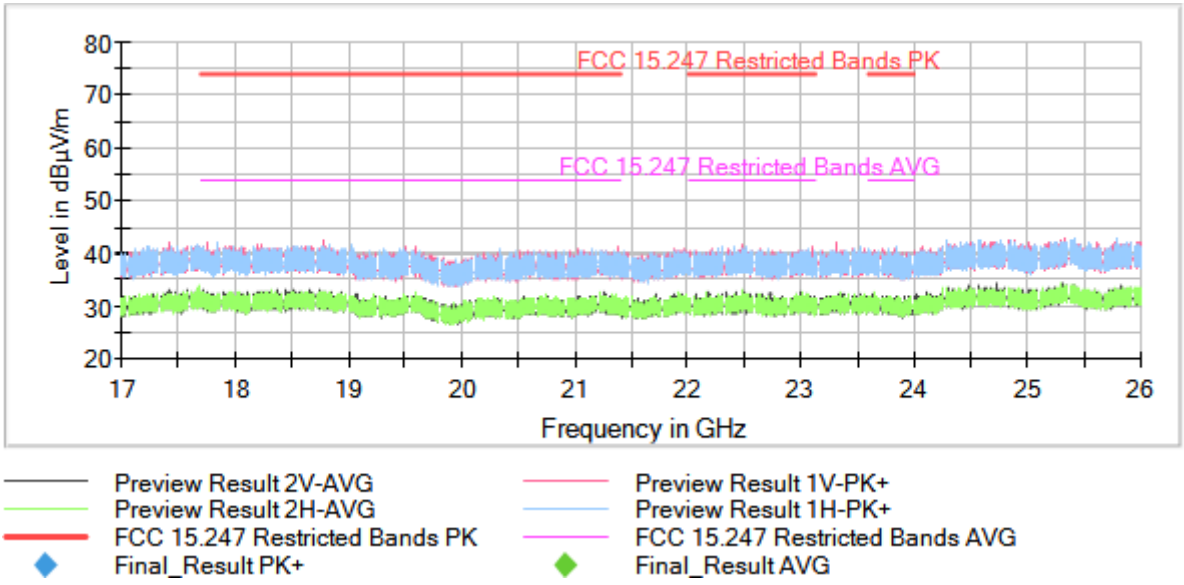
Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2480.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 2 Mbit/s), Frequency Range (GHz) = [3, 17]

Plots:



Operation Band (MHz) = [2400, 2483.5], Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 2 Mbit/s), Frequency Range (GHz) = [17, 26]

Plots:



This plot is valid for Low, Middle and High Channels.

Modulation: BTLE 5.0 (GFSK 1 Mbit/s)

Results

Frequency range 30 MHz – 1 GHz:

ID	Comments
--	The spurious frequencies detected do not depend on the operating channel.

Freq Rng (GHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[0.03, 1]	374.9967	38.18	H	QP
	449.9777	38.08	H	QP
	624.9980	39.78	V	QP

Frequency range 1 GHz – 26 GHz:

ID	Comments
--	The results in the next table 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 compliance checking with the average limit.

Freq (MHz)	Freq Rng (GHz)	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
2402.00000	[3, 17]	7205.4600 (*)	45.52	V	PK
		9606.8800 (*)	50.74	V	PK
		14410.4200 (*)	55.30	V	PK
2440.00000	[3, 17]	7319.4200	49.33	V	PK
		9759.2000 (*)	53.13	V	PK
		14638.9000 (*)	53.12	V	PK
2480.00000	[3, 17]	4959.0200	37.90	V	PK
		7438.9800	48.07	V	PK
		9918.8000 (*)	50.88	V	PK

(*) This Spurious Frequency is outside the restricted bands as defined in §15.205(a). The peak spurious level is more than 20 dB below the peak carrier level.

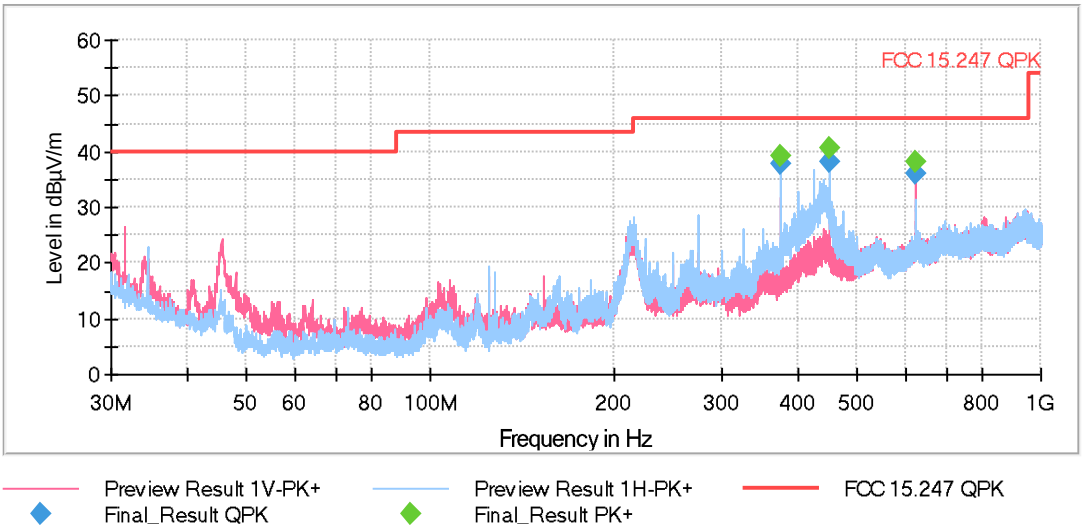
Verdict

Pass

Attachments

Operation Band (MHz) = [2400, 2483.5], Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [0.03, 1]

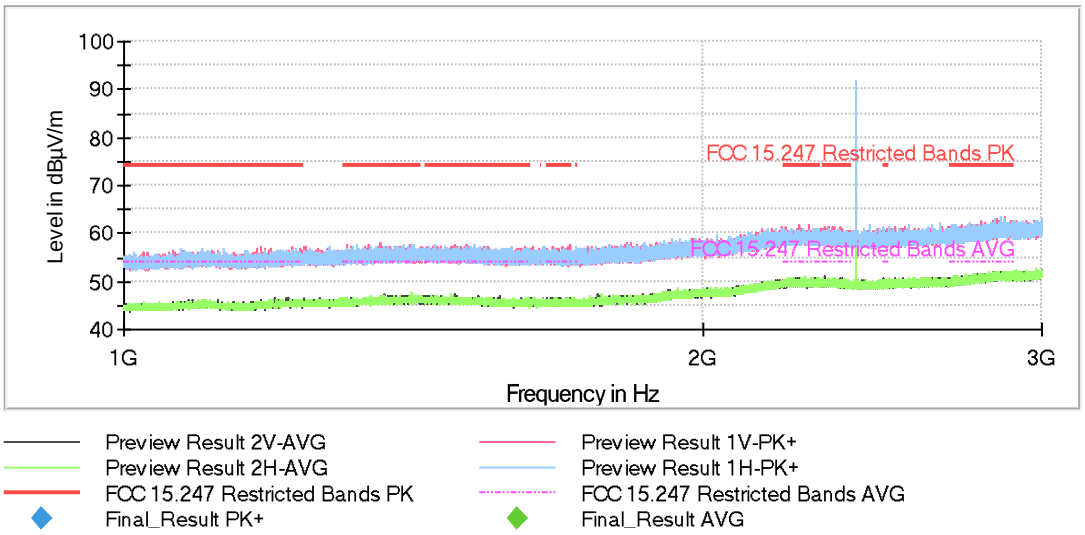
Plots:



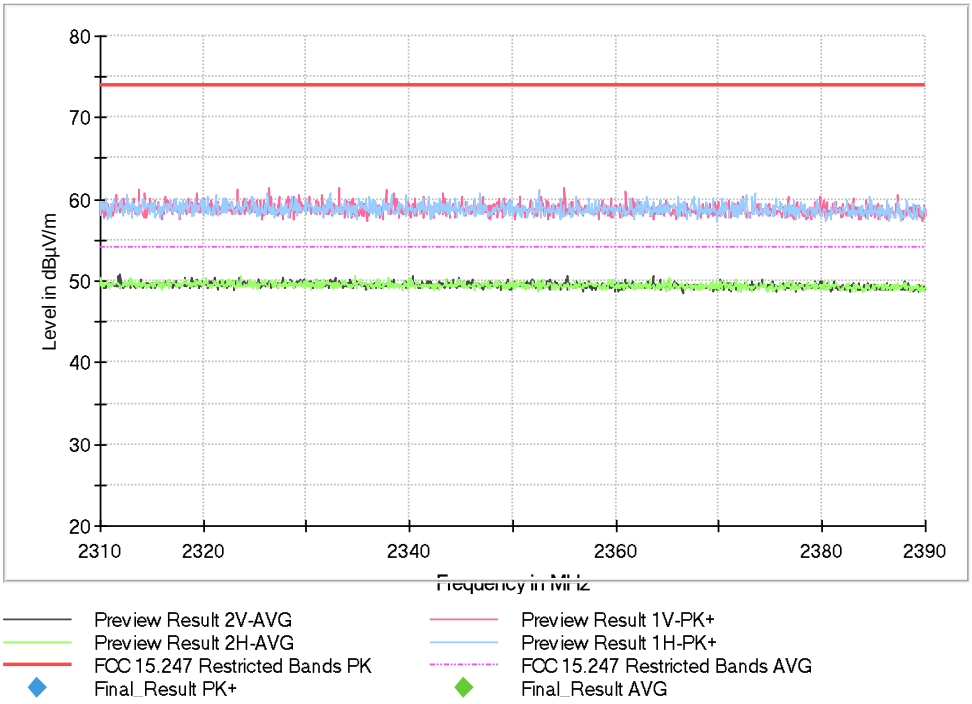
This plot is valid for Low, Middle and High Channels.

Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2402.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [1, 3]

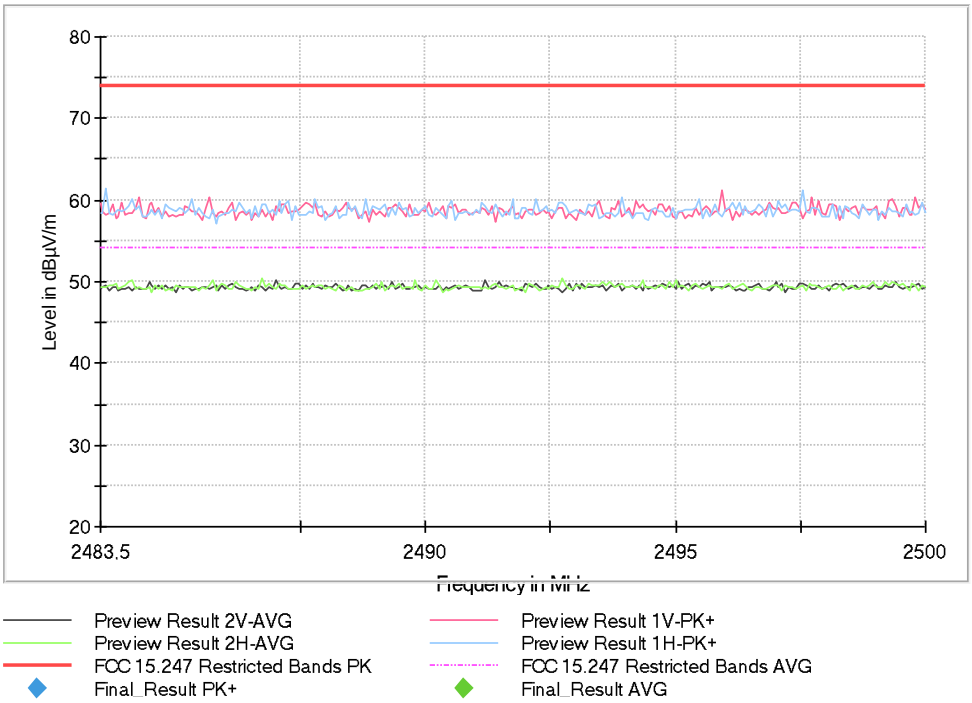
Plots:



Full Spectrum

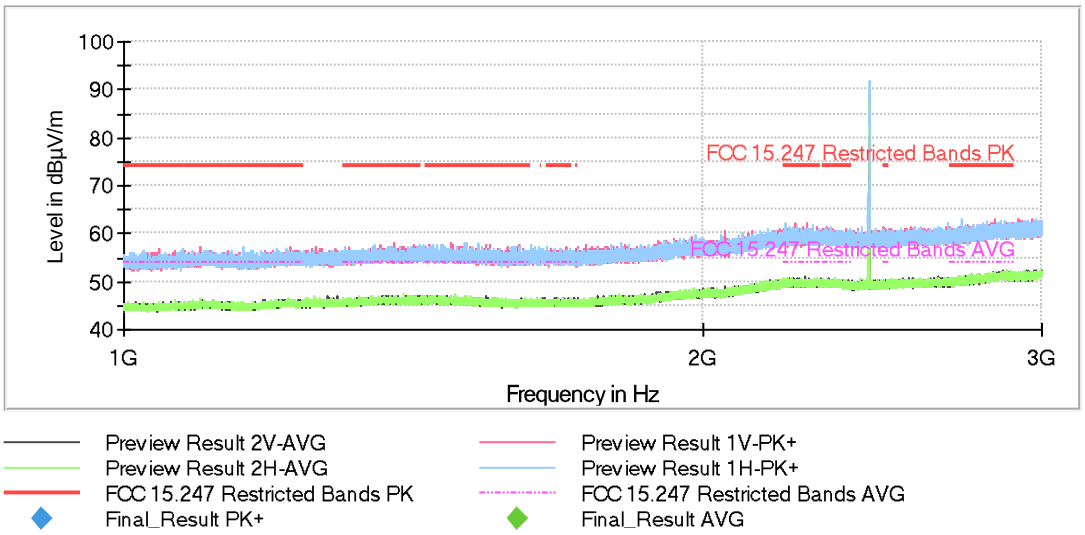


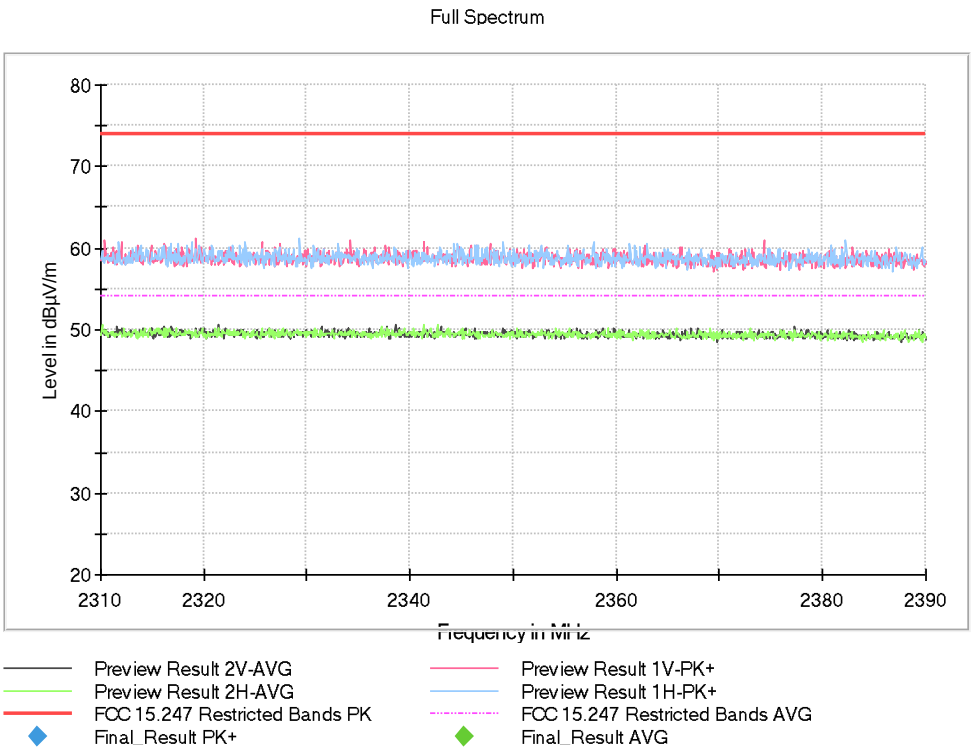
Full Spectrum

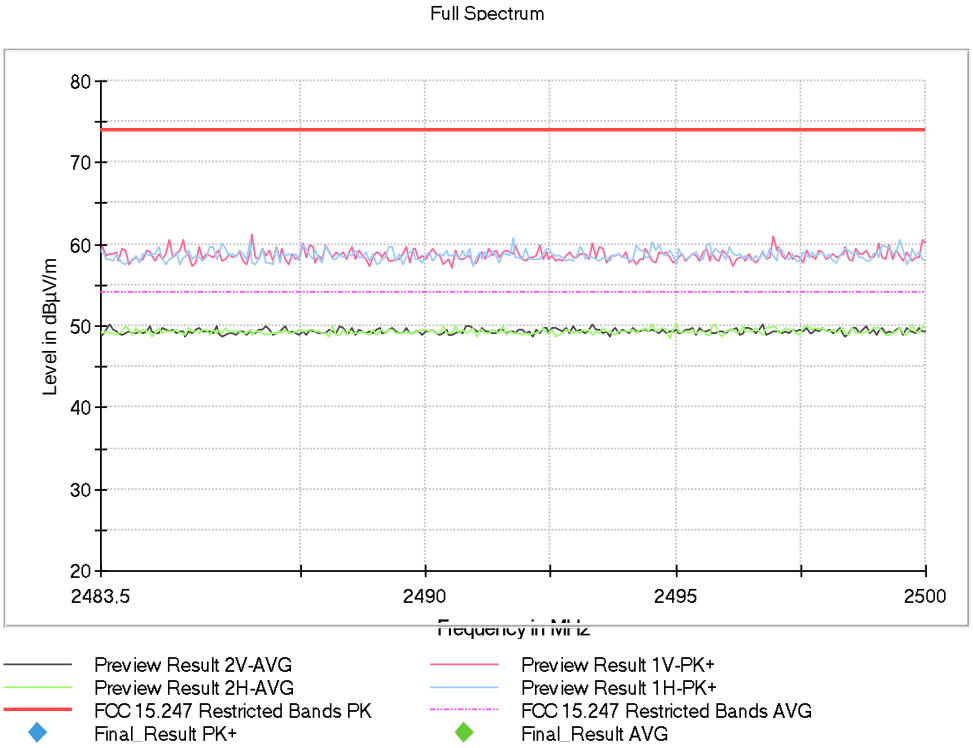


Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2440.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [1, 3]

Plots:

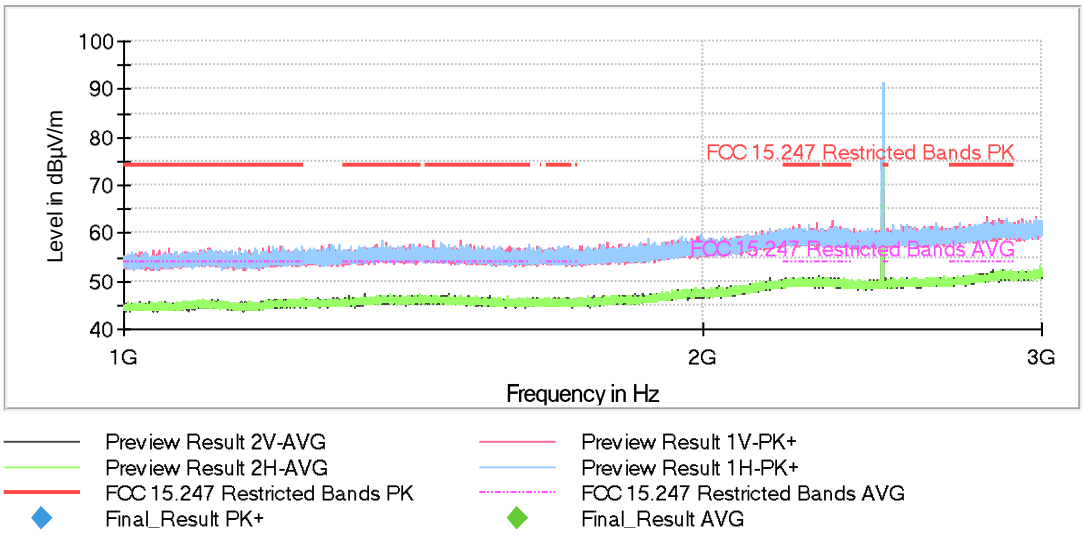




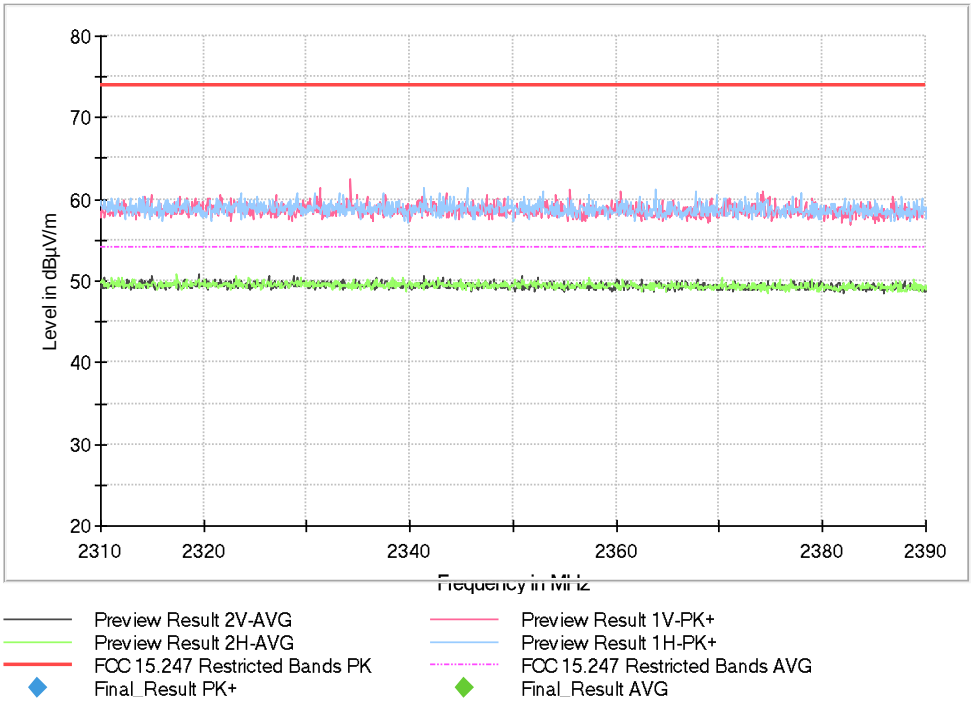


Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2480.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [1, 3]

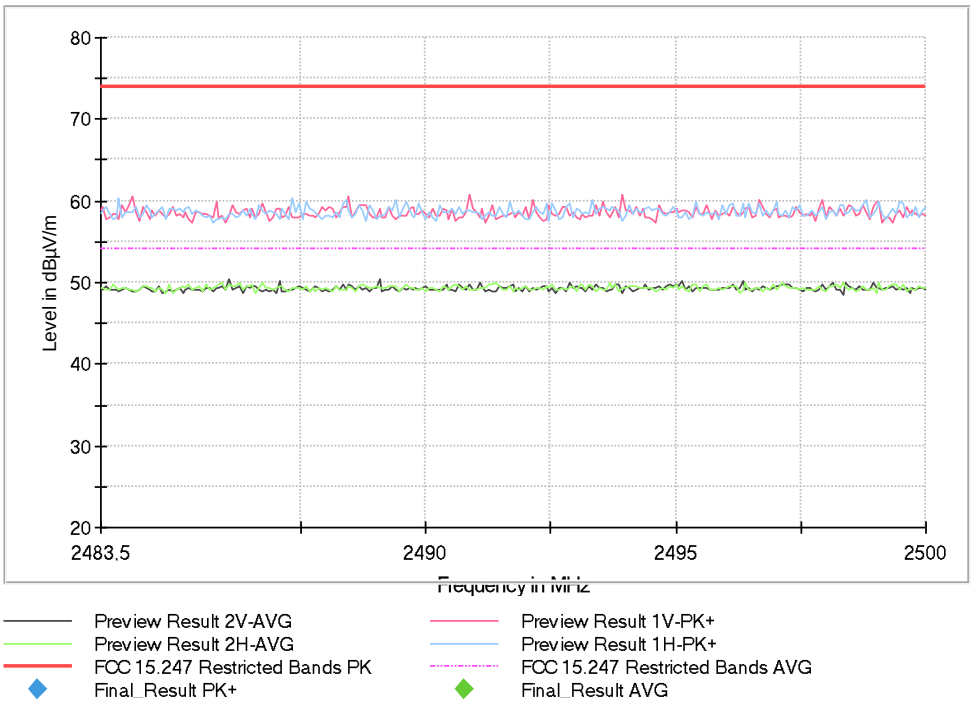
Plots:



Full Spectrum

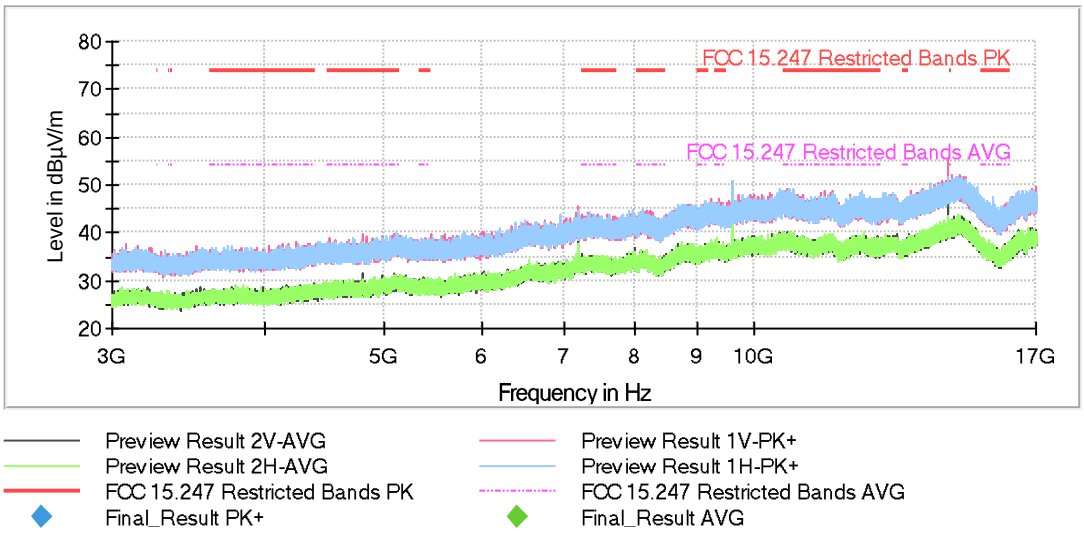


Full Spectrum



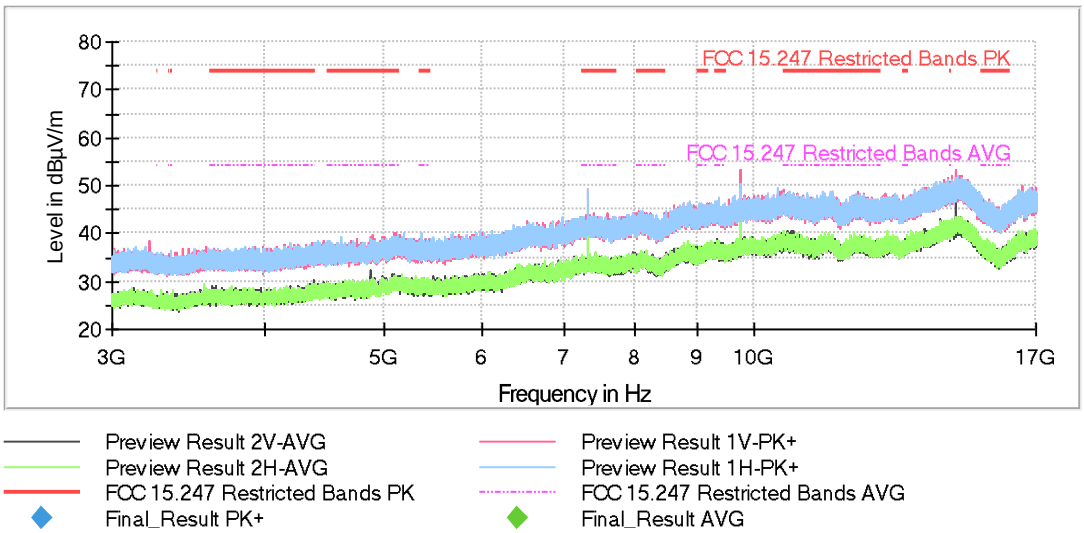
Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2402.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [3, 17]

Plots:



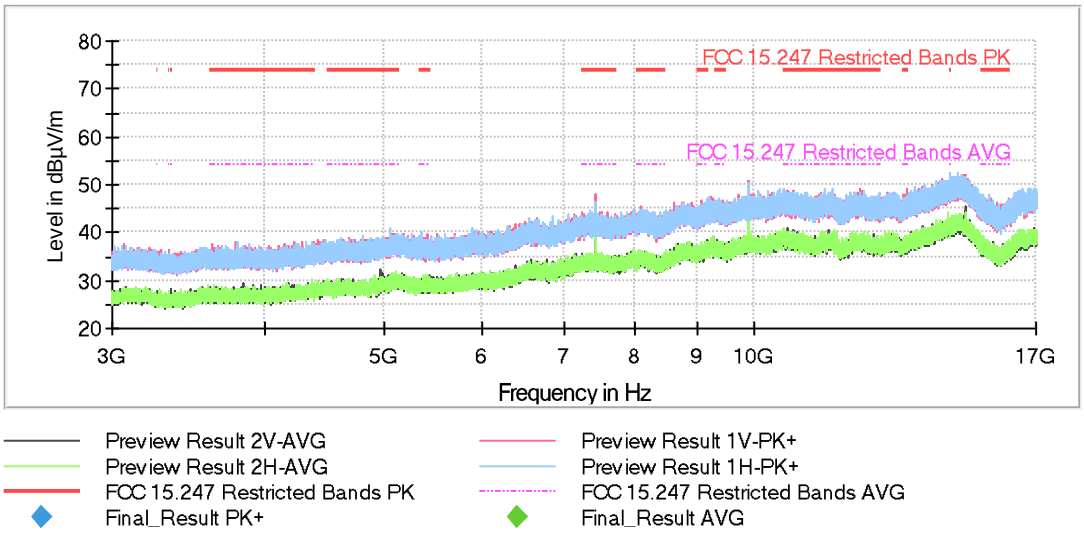
Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2440.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [3, 17]

Plots:



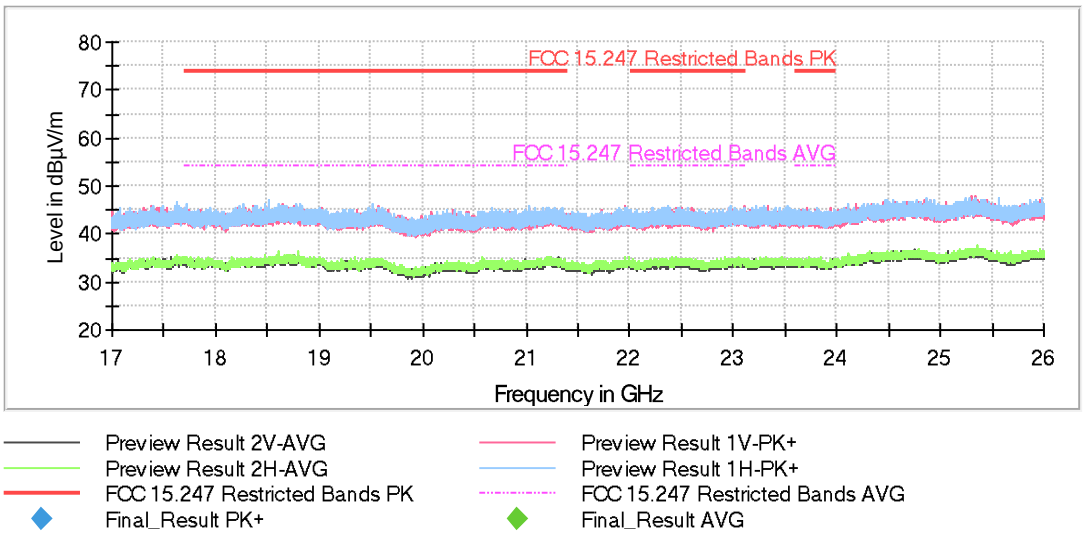
Operation Band (MHz) = [2400, 2483.5], Frequency (MHz) = 2480.00000, Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [3, 17]

Plots:



Operation Band (MHz) = [2400, 2483.5], Equipment Type: Digital Transmission System (DTS), Modulation: BTLE 5.0 (GFSK 1 Mbit/s), Frequency Range (GHz) = [17, 26]

Plots:



This plot is valid for Low, Middle and High Channels.