

Attachments

Spectrum Analyzer Parameters

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
Receiver: [ESW 44]					
30 MHz - 1 GHz	40 kHz	PK+	100 kHz	0,01 s	0 dB
1 GHz - 2,39 GHz	400 kHz	PK+	1 MHz	0,01 s	0 dB
2,39 GHz - 2,484 GHz	40 kHz	PK+	100 kHz	0,01 s	0 dB
2,484 GHz - 3 GHz	400 kHz	PK+	1 MHz	0,01 s	0 dB
3 GHz - 17 GHz	400 kHz	PK+	1 MHz	0,01 s	0 dB
17 GHz - 26 GHz	400 kHz	PK+	1 MHz	0,01 s	0 dB

Frequency Range GHz = [1, 17]

Equipment Type = Digital Transmission System (DTS)

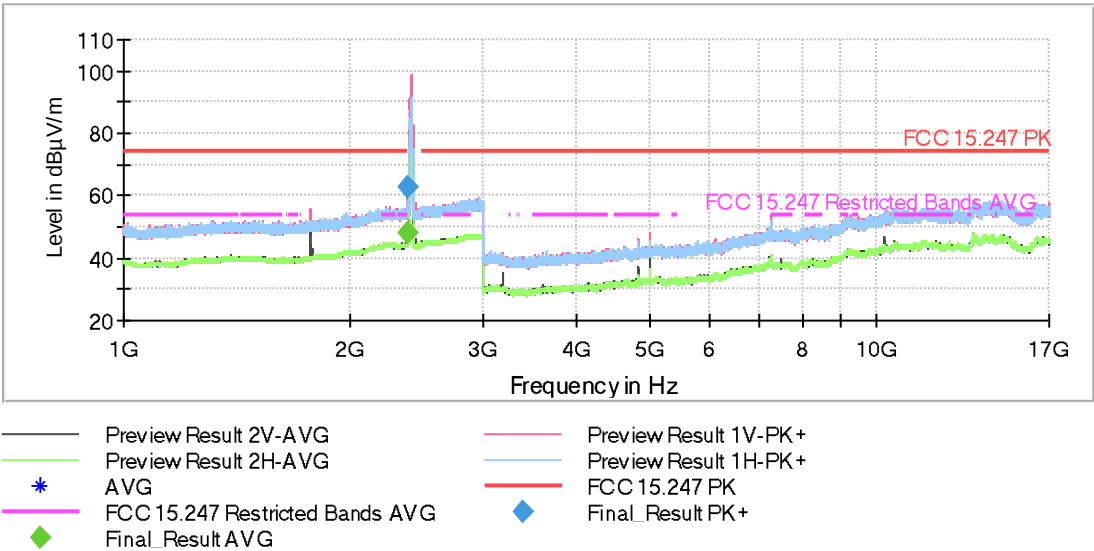
Modulation = 802.11g (OFDM 6 Mbit/s)

Frequency MHz = 2412.00000

MIMO Mode = SISO

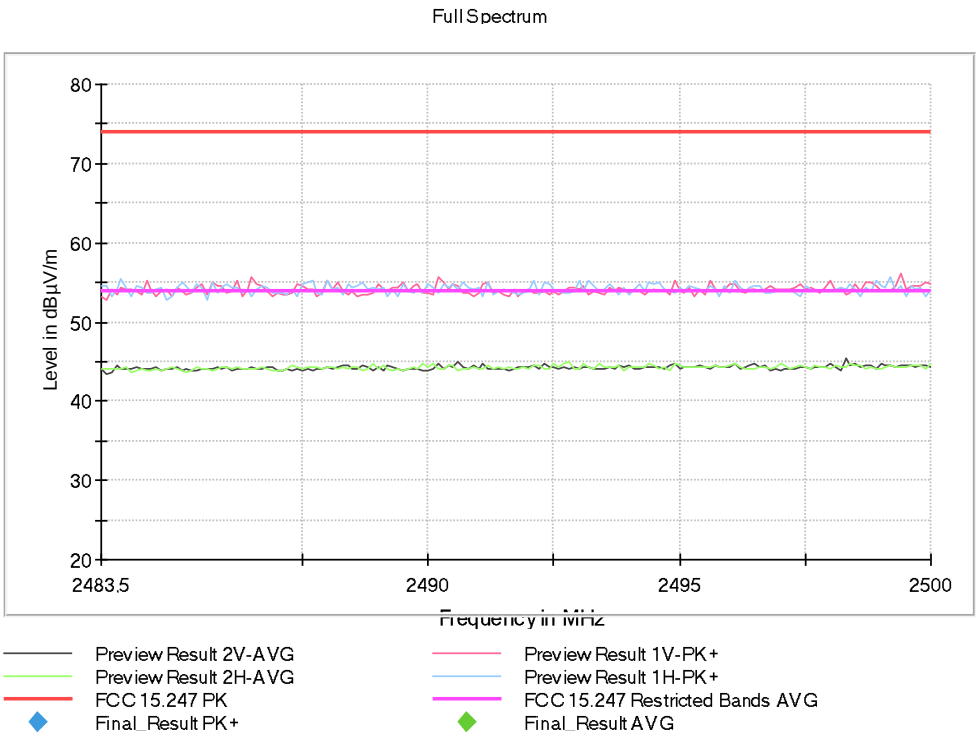
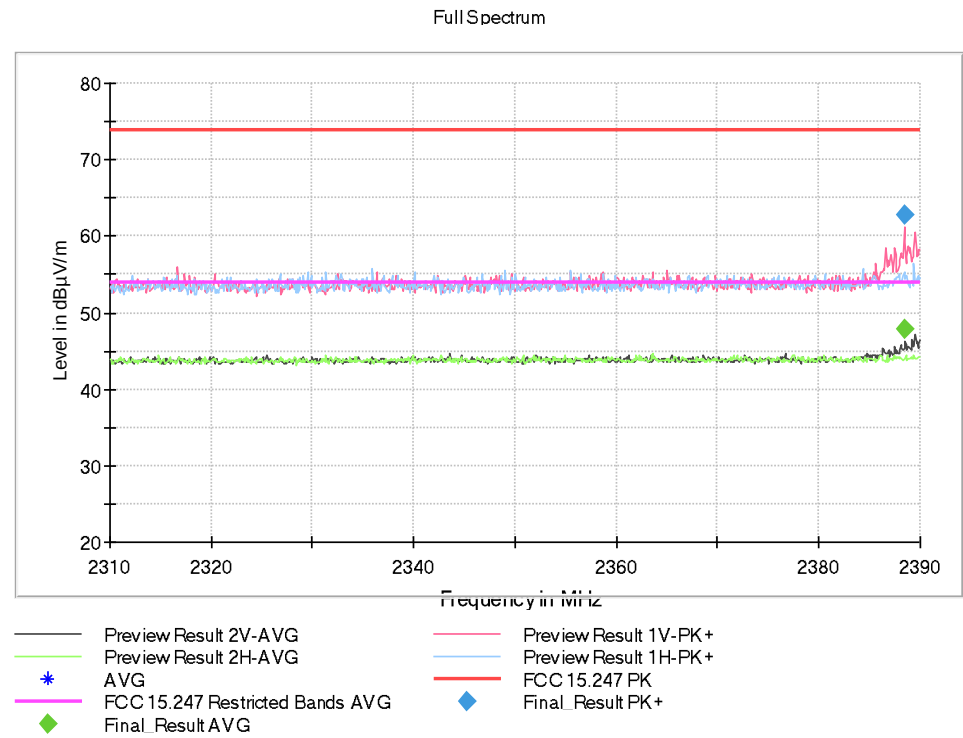
Active Port = 1

Images:



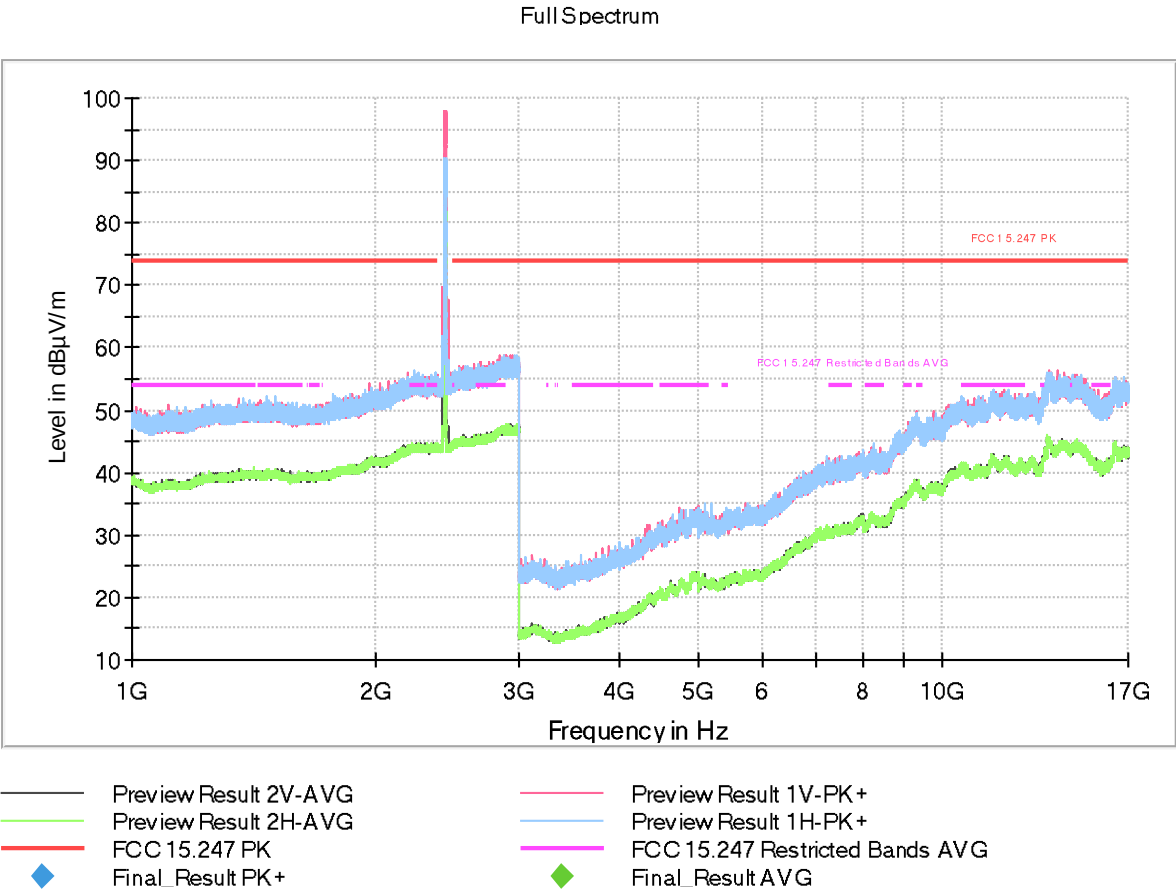
Frequency Range GHz = [1, 17] Equipment Type = Digital Transmission System (DTS)
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2412.00000
MIMO Mode = SISO Active Port = 1

Images:



Frequency Range GHz = [1, 17] Equipment Type = Digital Transmission System (DTS)
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2437.00000
MIMO Mode = SISO Active Port = 1

Images:



Frequency Range GHz = [1, 17]

Equipment Type = Digital Transmission System (DTS)

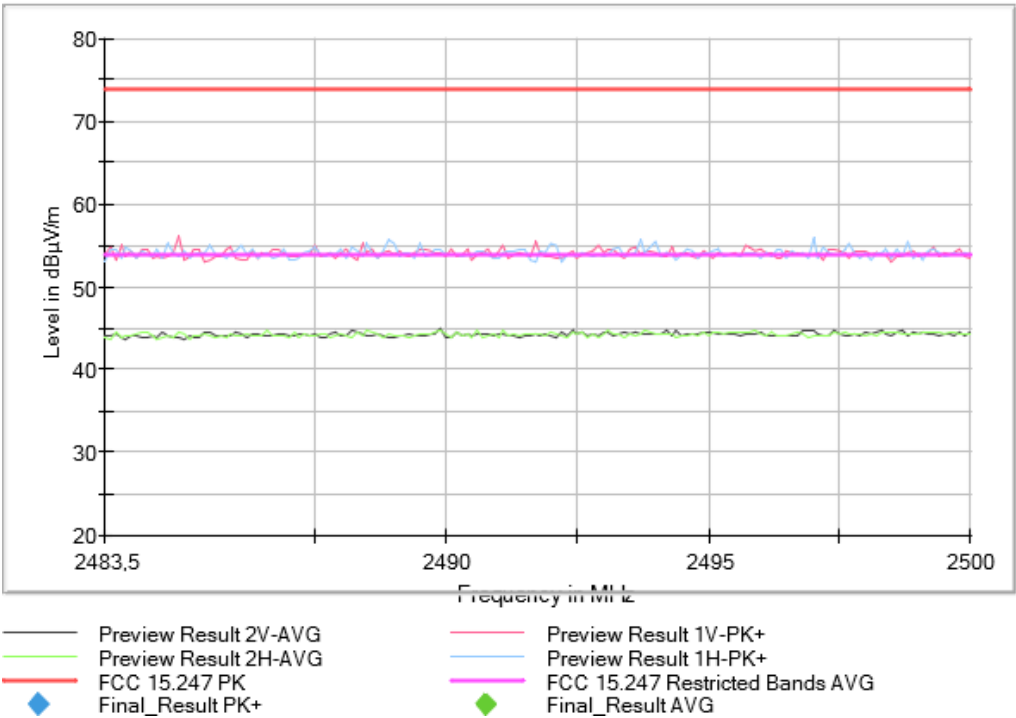
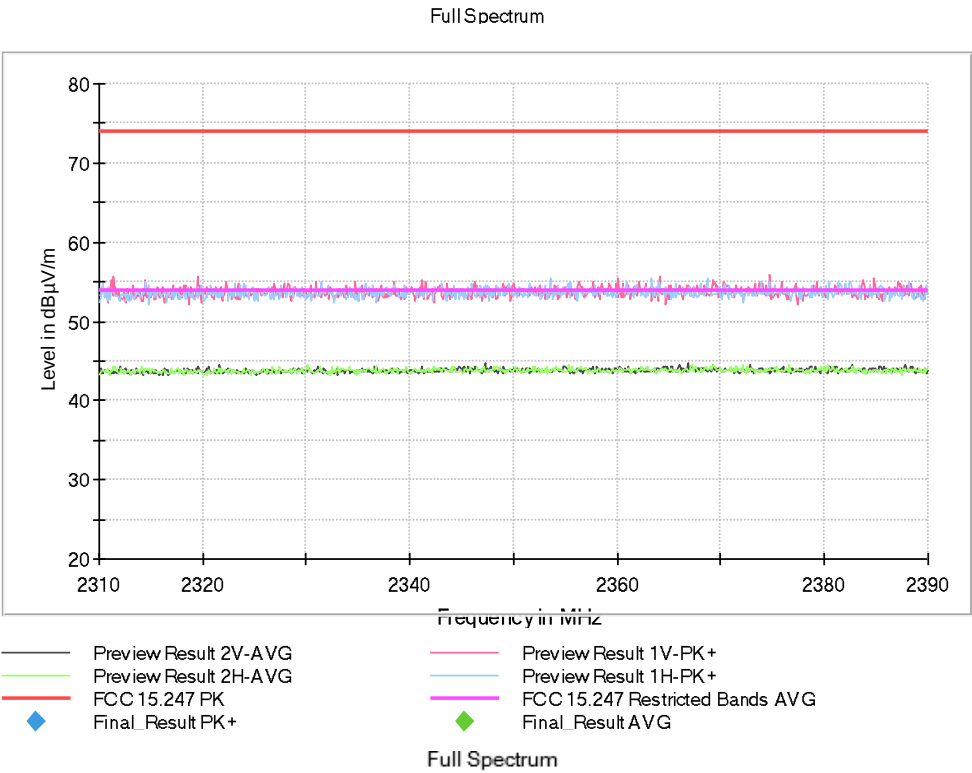
Modulation = 802.11g (OFDM 6 Mbit/s)

Frequency MHz = 2437.00000

MIMO Mode = SISO

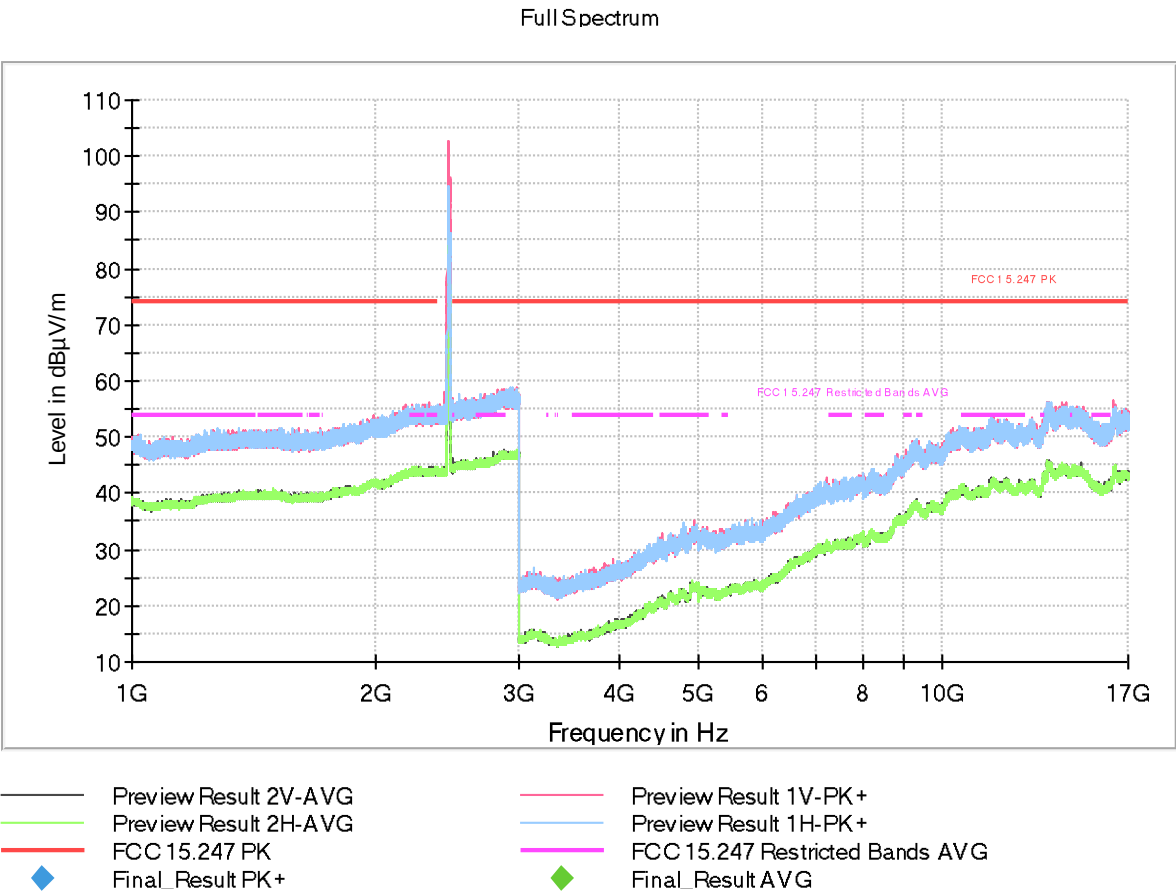
Active Port = 1

Images:



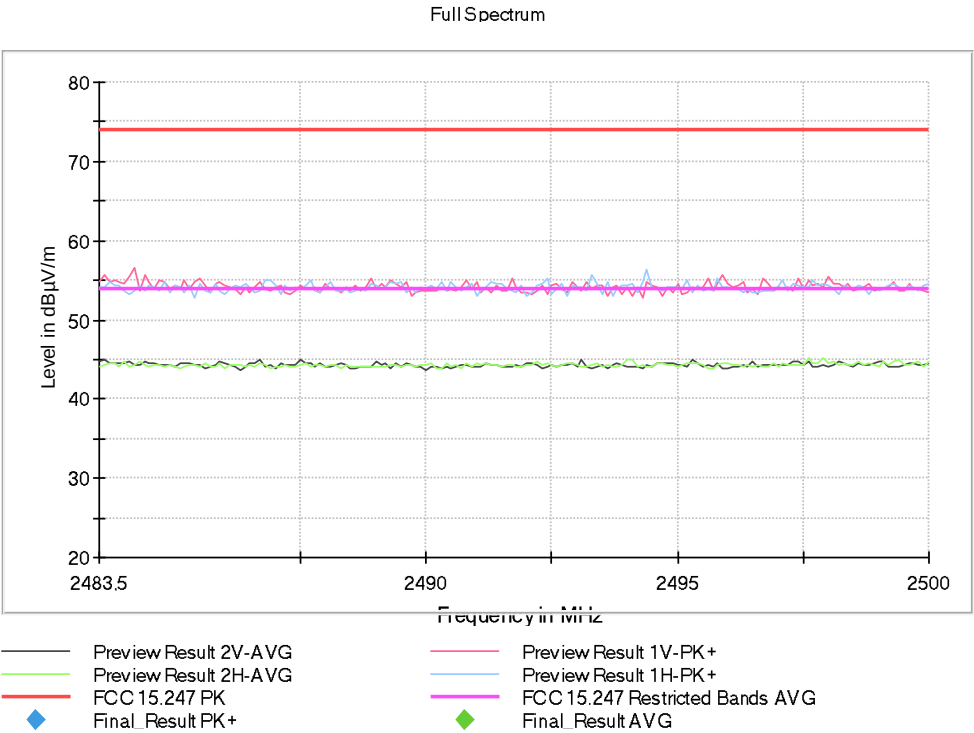
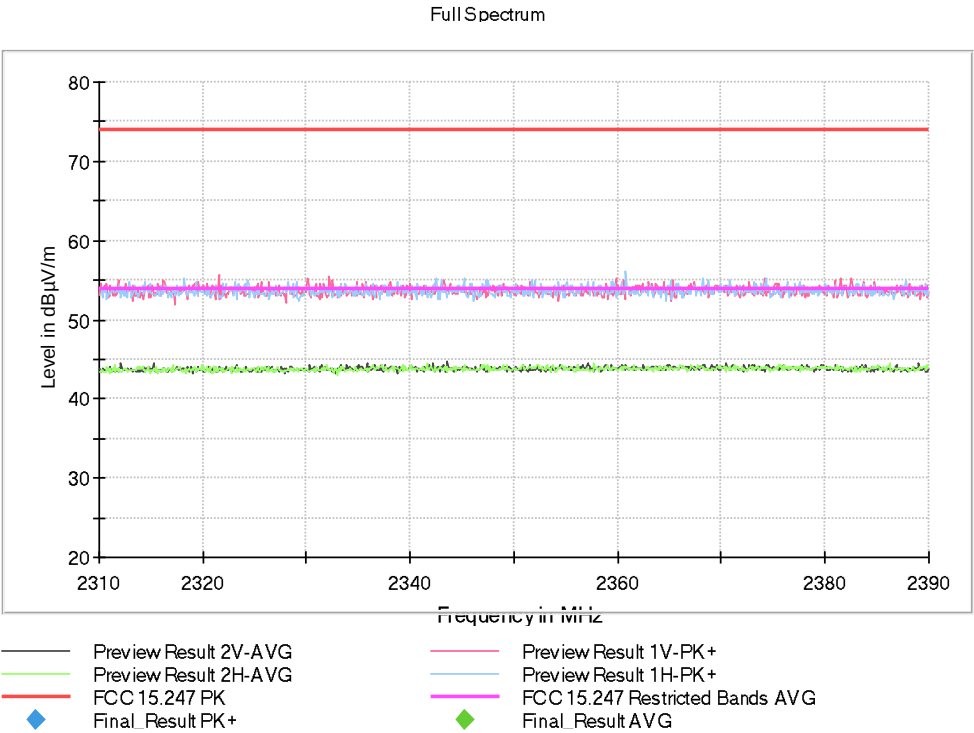
Frequency Range GHz = [1, 17] Equipment Type = Digital Transmission System (DTS)
Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2462.00000
MIMO Mode = SISO Active Port = 1

Images:



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Modulation = 802.11g (OFDM 6 Mbit/s) Frequency MHz = 2462.00000
MIMO Mode = SISO Active Port = 1

Images:



Modulation: 802.11n HT20 (OFDM MCS0)

MIMO Mode: SISO

Results

Freq Rng (GHz)	Equipment	Freq (MHz)	Port	Unwanted Freq (MHz)	Unwanted Lvl (dBµV/m)	Pol	Detector
[1, 17]	Digital Transmission System (DTS)	2412.00000	1	2389.900	45.83	V	AVG
				2389.900	58.40	V	PK
		2462.00000		2484.600	44.41	H	AVG
				2484.600	56.15	H	PK

Verdict

Pass

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Frequency Range GHz = [1, 17]

Equipment Type = Digital Transmission System (DTS)

Modulation = 802.11n HT20 (OFDM MCS0)

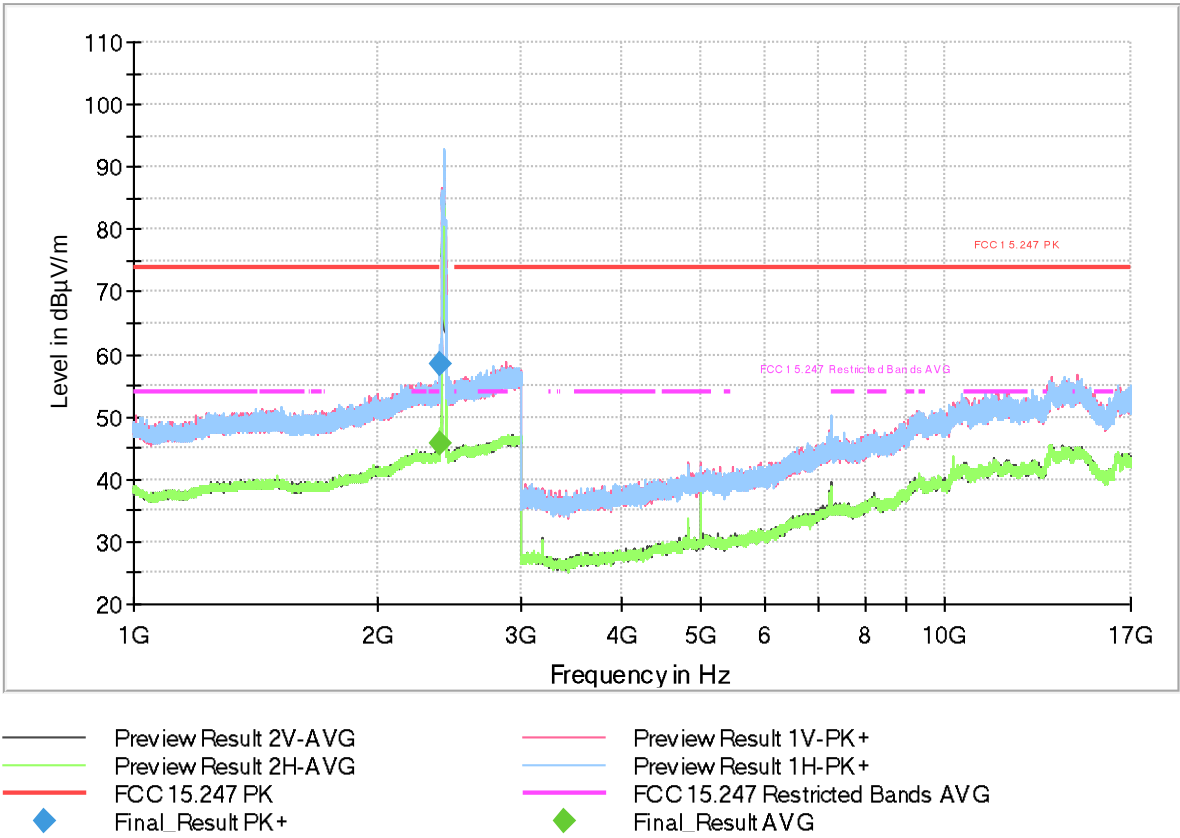
Frequency MHz = 2412.00000

MIMO Mode = SISO

Active Port = 1

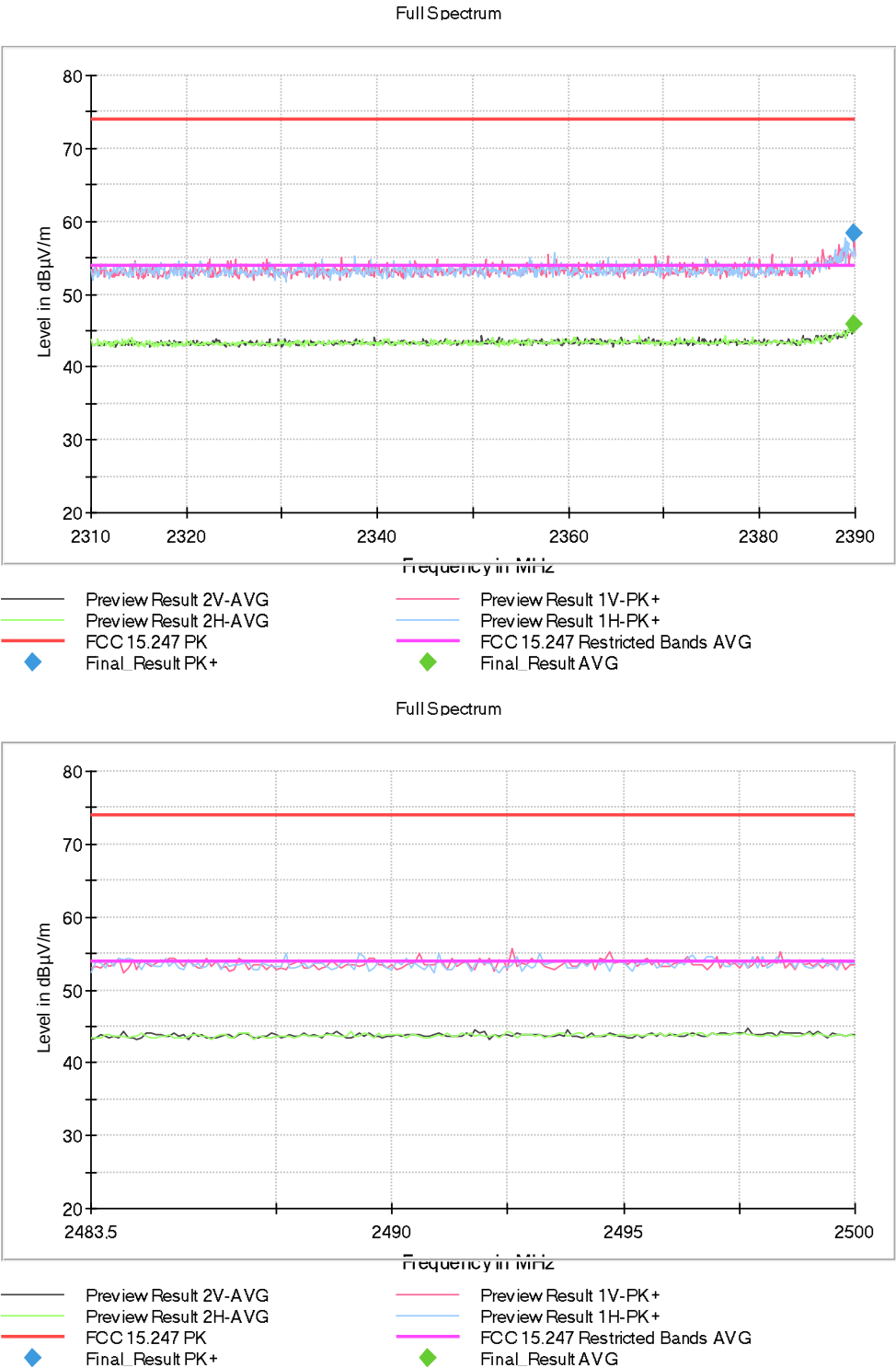
Images:

Full Spectrum



Frequency Range GHz = [1, 17] Equipment Type = Digital Transmission System (DTS)
Modulation = 802.11n HT20 (OFDM MCS0) Frequency MHz = 2412.00000
MIMO Mode = SISO Active Port = 1

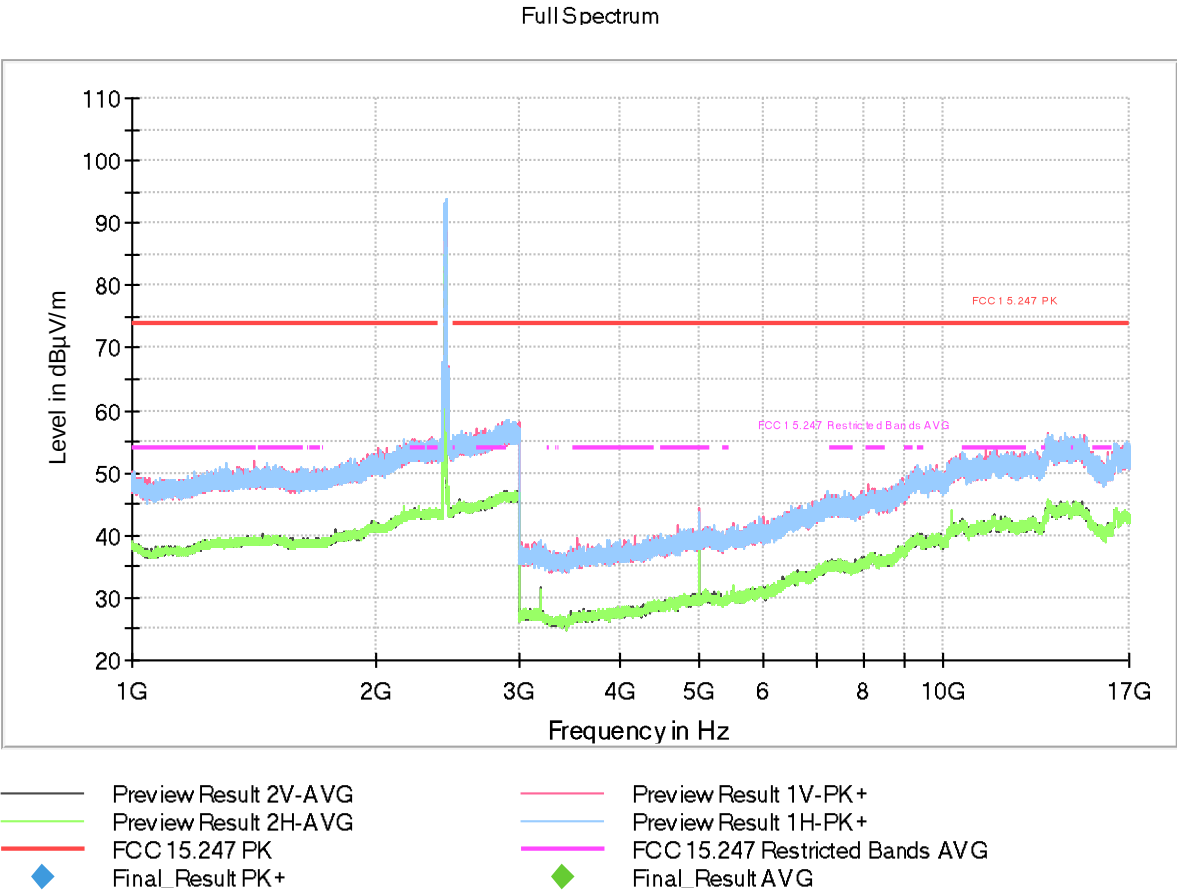
Images:



Frequency Range GHz = [1, 17]
Modulation = 802.11n HT20 (OFDM MCS0)
MIMO Mode = SISO

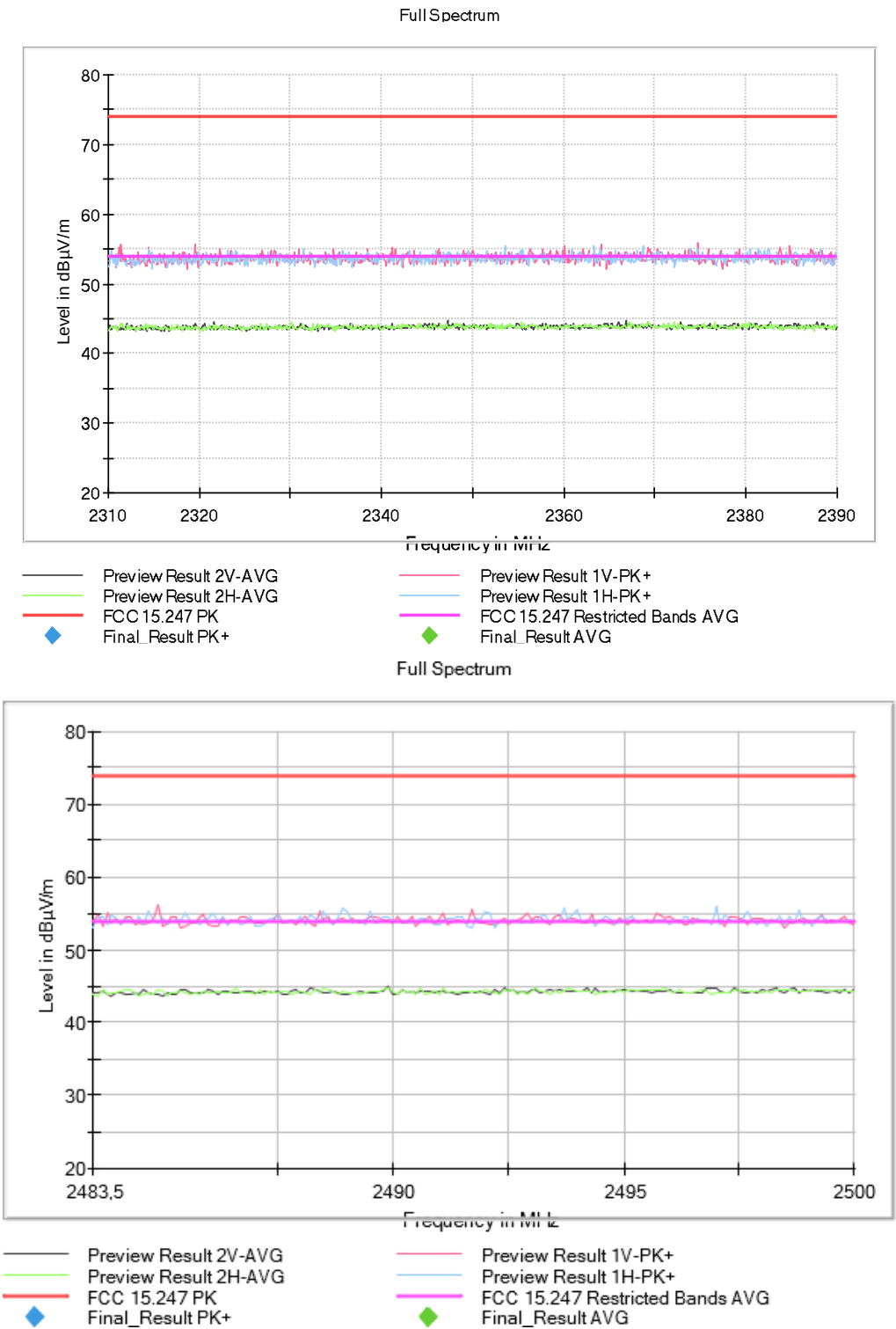
Equipment Type = Digital Transmission System (DTS)
Frequency MHz = 2437.00000
Active Port = 1

Images:



Frequency Range GHz = [1, 17] Equipment Type = Digital Transmission System (DTS)
Modulation = 802.11n HT20 (OFDM MCS0) Frequency MHz = 2437.00000
MIMO Mode = SISO Active Port = 1

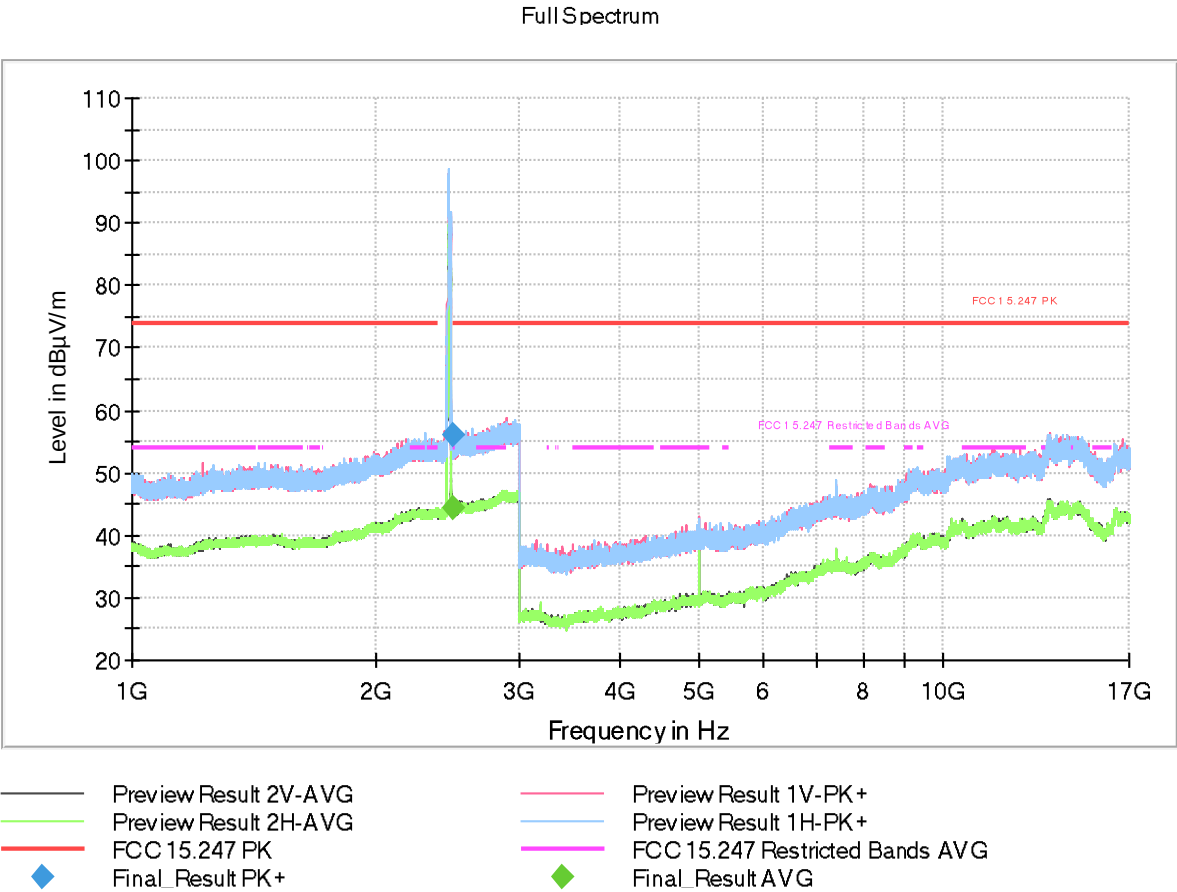
Images:



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Modulation = 802.11n HT20 (OFDM MCS0)
MIMO Mode = SISO

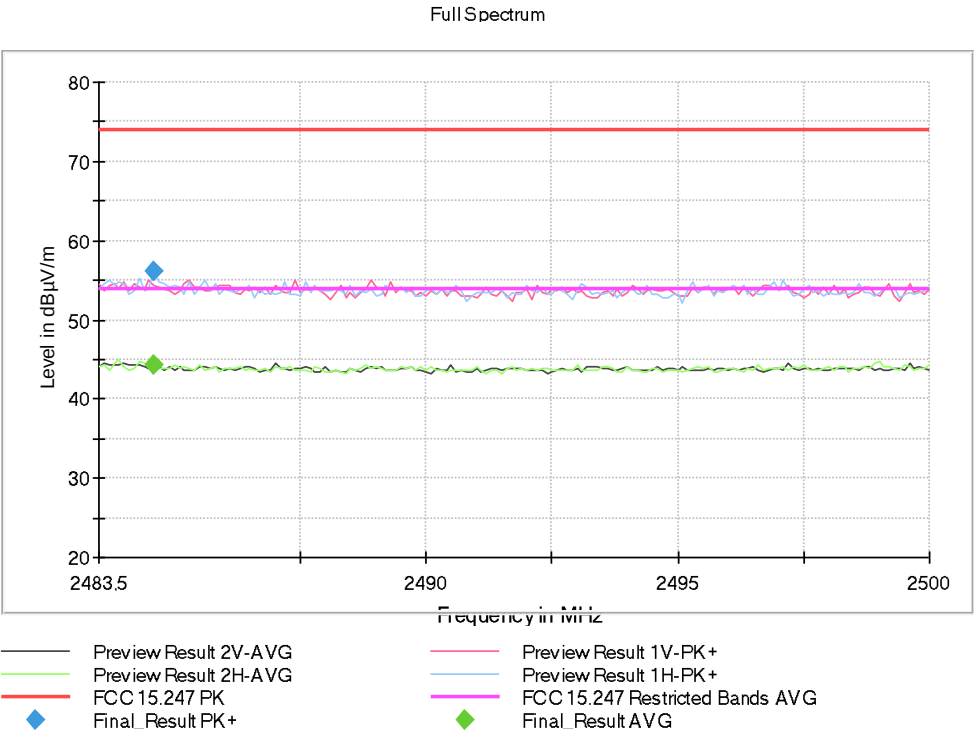
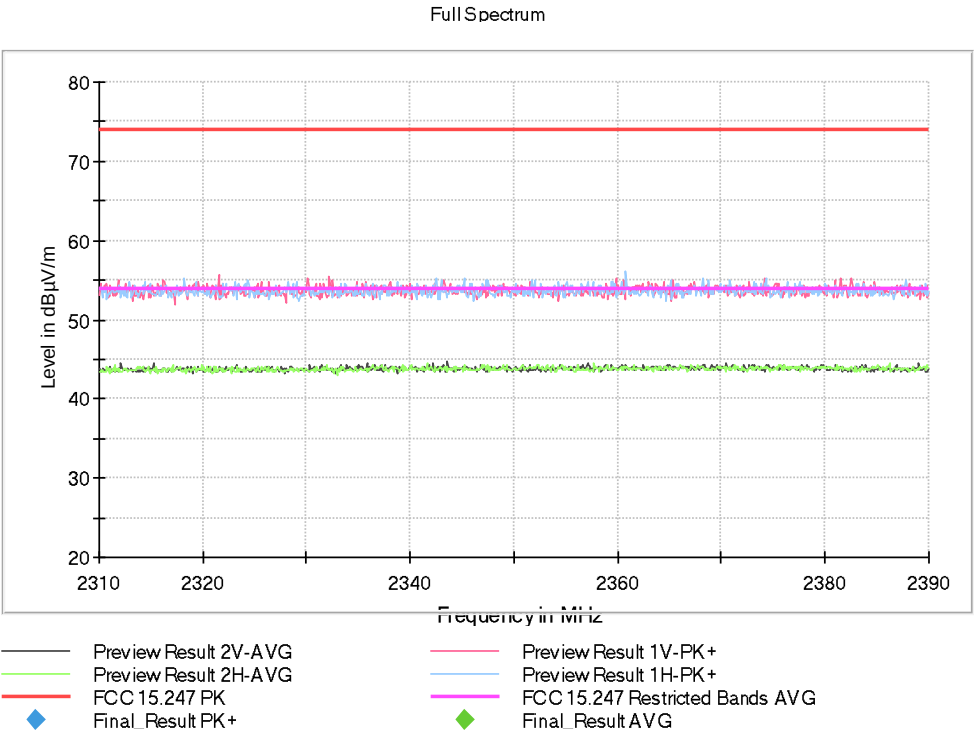
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Frequency MHz = 2462.00000
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Modulation = 802.11n HT20 (OFDM MCS0) Frequency MHz = 2462.00000
MIMO Mode = SISO Active Port = 1

Images:



Frequency Range GHz = [17, 26]

Equipment Type = Digital Transmission System (DTS)

The spurious frequencies detected do not depend on either the modulation or the operation channel.
Test case evaluated join the others technologies.

MIMO Mode = SISO

Active Port = 1

Images:

