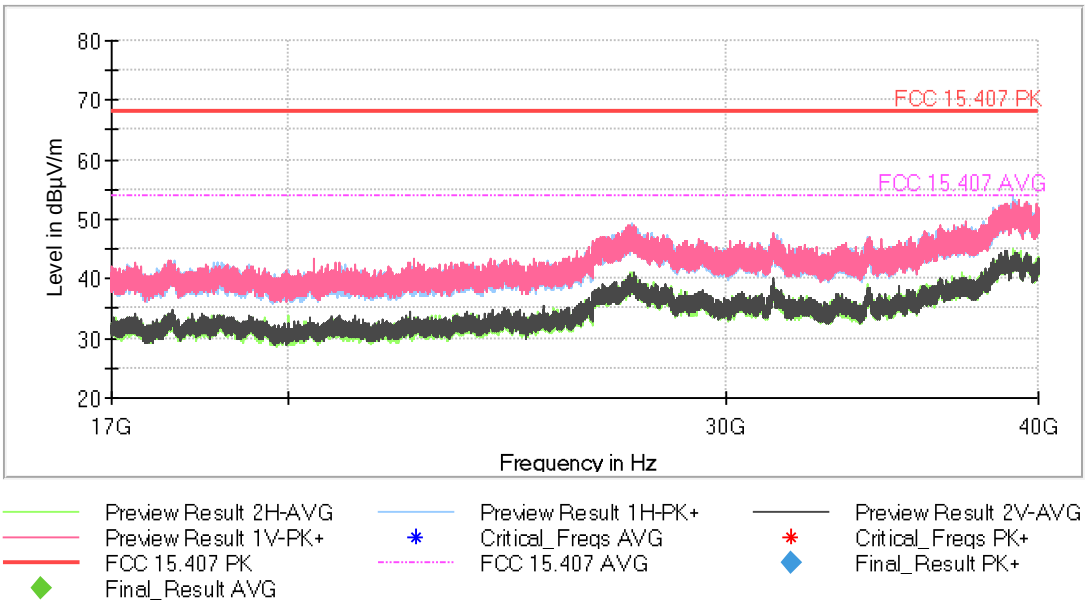
FREQUENCY RANGE 17 - 40 GHz (SISO worst-case):

This plot is valid for all the Channels and all the modulation modes and bandwidths.



MIMO worst-case:

- Preliminary tests determined the MIMO worst-case: Chain 0+1.

Worst-case: **802.11 a20** (bit rate of 6 Mbps).

Frequency range 30 MHz - 1 GHz (MIMO worst-case):

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

Spurious frequencies detected at less than 20 dB below the limit:

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
39.487200	29.65	V	Peak
	23.50		QP
45.792188	36.50	V	Peak
	34.30		QP
53.247100	35.81	V	Peak
	32.42		QP
66.165497	35.91	V	Peak
	34.60		QP
85.465800	36.30	V	Peak
	32.12		QP
101.498321	30.88	V	Peak
	27.02		QP
106.351455	38.05	V	Peak
	34.52		QP
141.714725	32.90	V	Peak
	29.41		QP
163.186783	35.00	V	Peak
	31.39		QP
328.596111	25.56	V	Peak
	17.62		QP
355.454650	29.11	V	Peak
	21.50		QP
830.004520	39.84	H	Peak
	36.45		QP

Frequency range 1 - 40 GHz (MIMO worst-case):

The results in the next tables show the maximum measured levels in the 1-40 GHz frequency range.

The Low, Middle and High Channels were measured for out-of-band emissions for the worst mode.

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

- **MIMO 802.11 a20 (MIMO worst-case):**

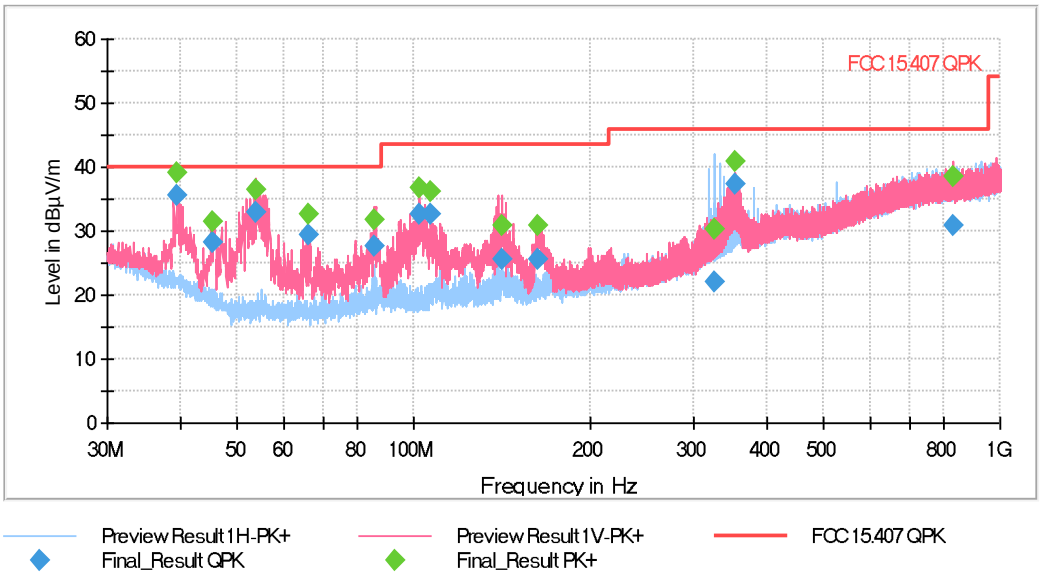
No purious frequencies detected at less than 20 dB below the limit.

Verdict: PASS

MIMO worst-case:

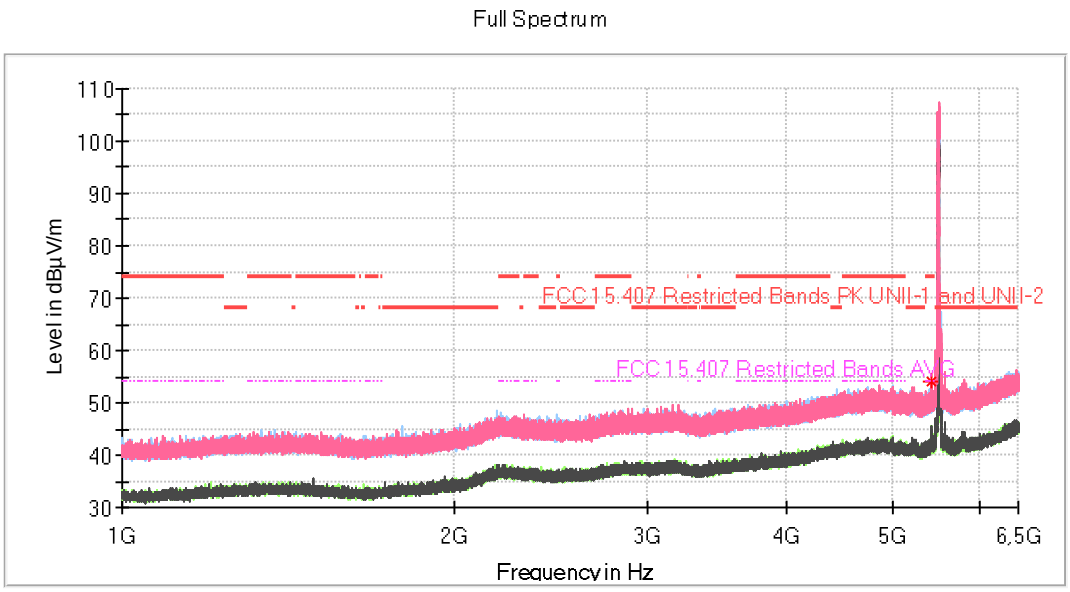
FREQUENCY RANGE 30 MHz - 1 GHz (SISO worst-case):

This plot is valid for all the Channels and all the modulation modes and bandwidths.



FREQUENCY RANGE 1 – 6.5 GHz (SISO worst-case):

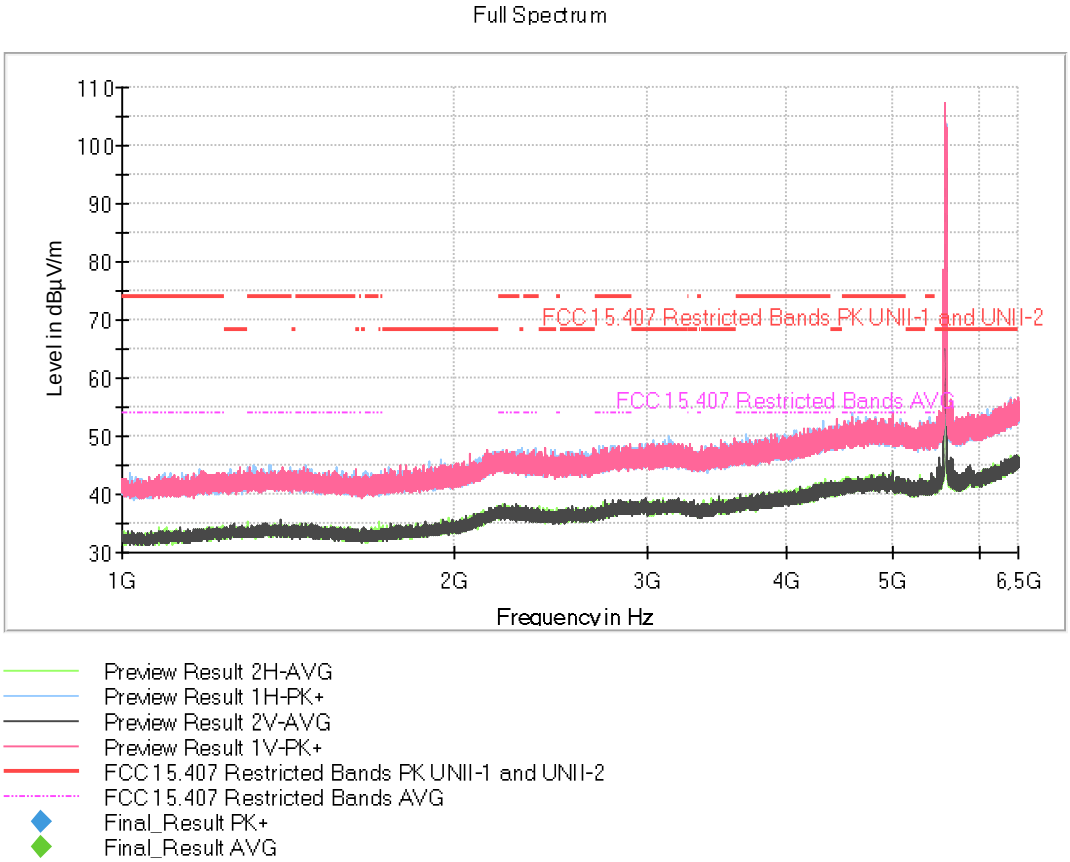
- Low Channel:



Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
PK+
AVG
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

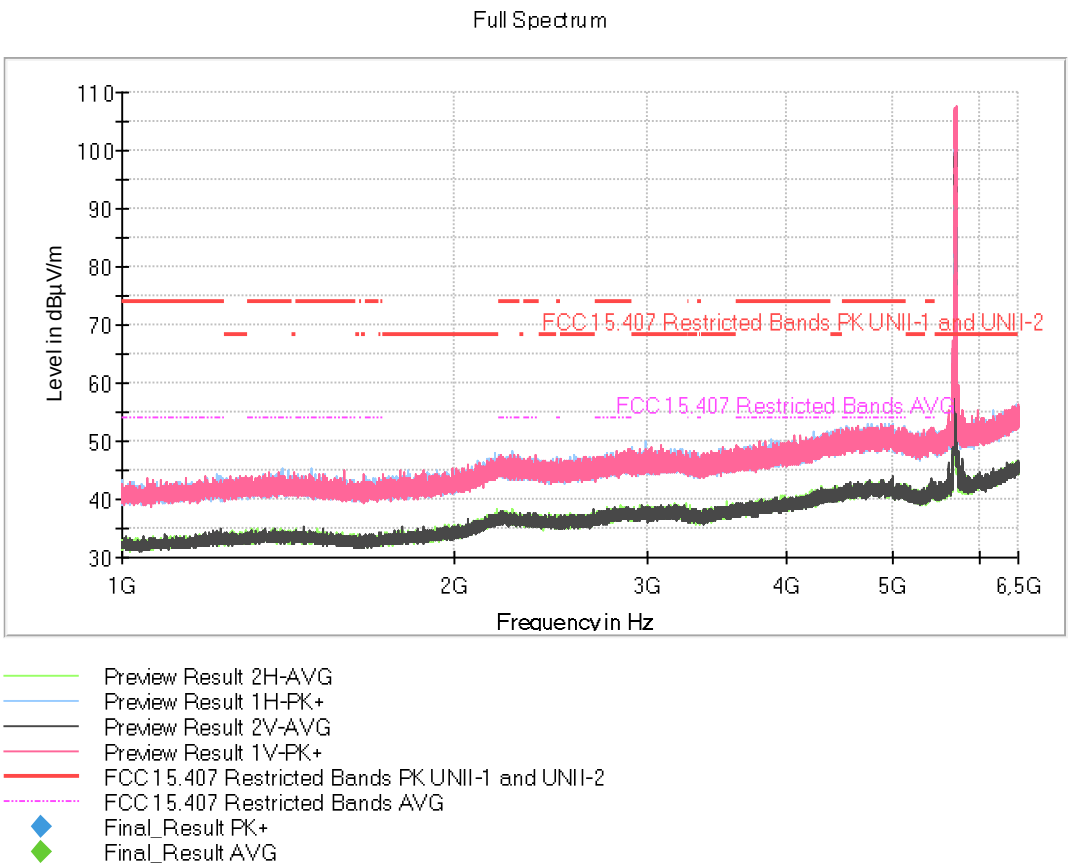
Note: The peak shown in the plot above the limit is the carrier frequency.

- Middle Channel:



Note: The peak shown in the plot above the limit is the carrier frequency.

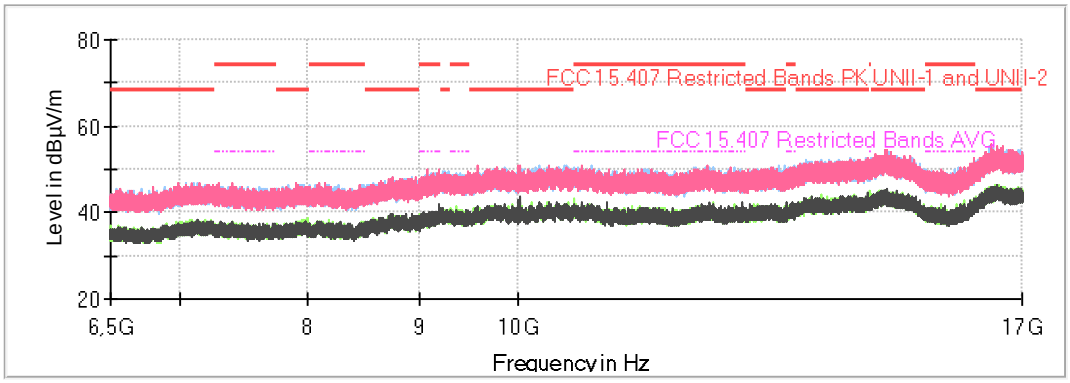
- High Channel:



Note: The peak shown in the plot above the limit is the carrier frequency.

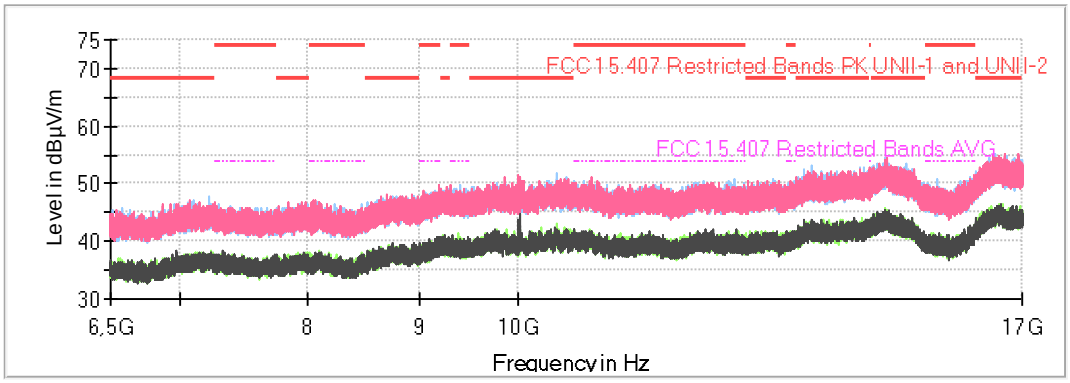
FREQUENCY RANGE 6.5 - 17 GHz (SISO worst-case):

- Low Channel:



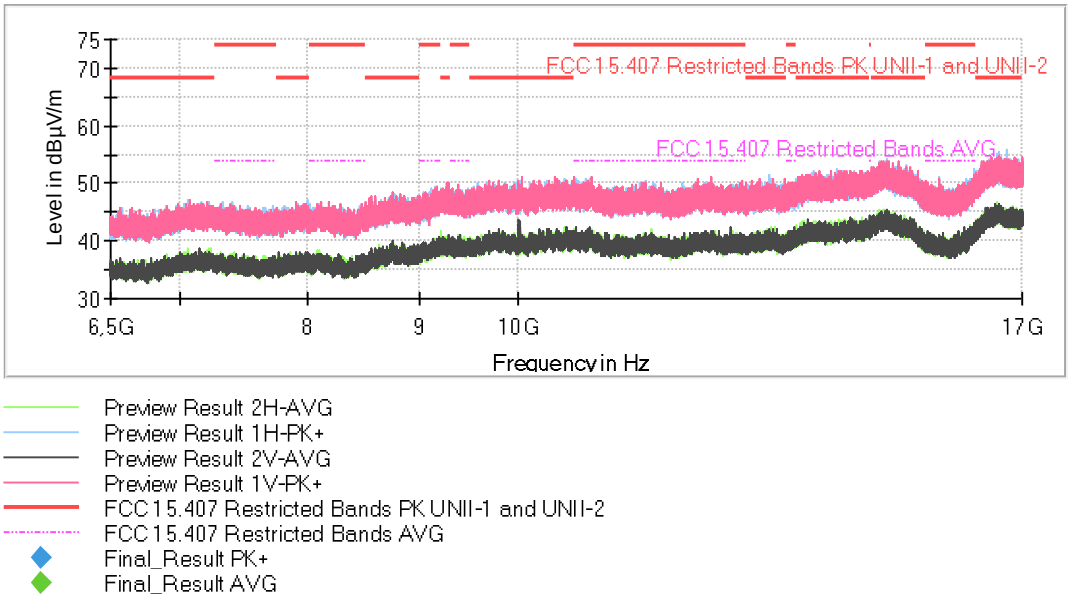
Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Middle Channel:



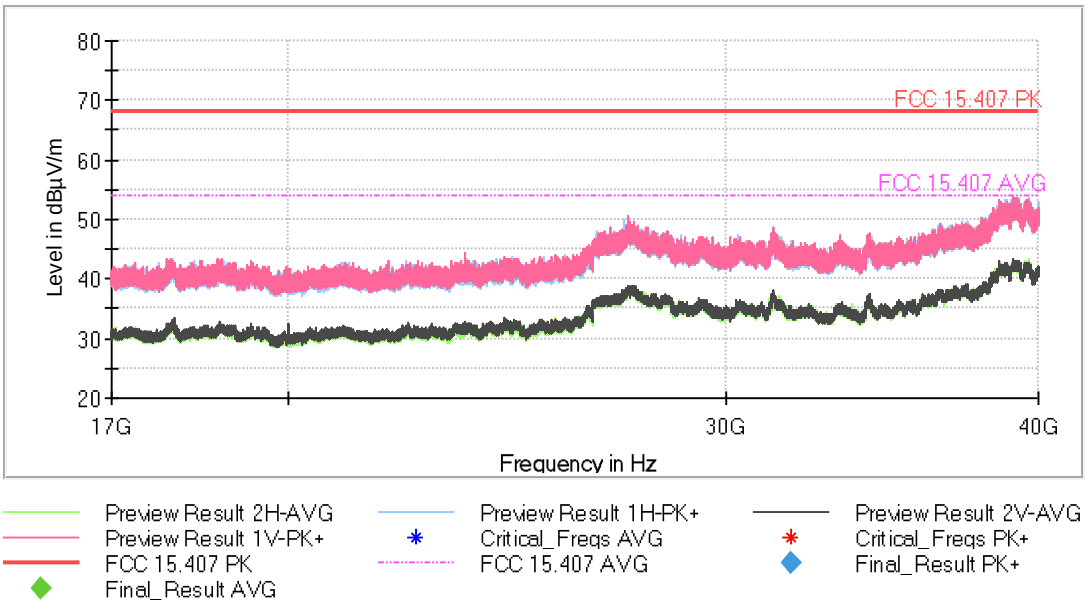
Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- High Channel:



FREQUENCY RANGE 17 - 40 GHz (SISO worst-case):

This plot is valid for all the Channels and all the modulation modes and bandwidths.



FCC 15.407 (b)(1) / RSS-247 6.2.1.2. Band Edge Radiated Emissions

SPECIFICATION:

For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of −27 dBm/MHz (68.20 dBµV/m at 3 m distance).

Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)):

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
960 - 40000	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.

RESULTS:

The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

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

The situation and orientation was varied to find the maximum radiated emission. It was also rotated 360º to find the maximum radiated emission.

All emissions outside of the 5.47 - 5.725 GHz band shall not exceed an EIRP of -27dBm/MHz.
There are restricted bands of operation below band edge at 5.35 - 5.46 GHz therefore the provision of FCC Part 15.205 apply.

Field strength measurements using peak and average detector performed in the restricted bands below 5.47 GHz and above 5.725 GHz.

Straddle channels 138,142 and 144 are considered to be operating in both U-NII-2C and U-NII-3 Bands. The worst case out-of-band emission limit, i.e., -27dBm/MHz peak EIRP, applies at the band edges. The band edges are considered to be 5.47 GHz and 5.85 GHz.

- Preliminary tests determined the SISO worst-case: Chian 0.
- Preliminary tests determined the MIMO worst-case: Chain0+1.

Test performed on the following worst-cases modes in all relevant tests channels for both techniques:

- 802.11a:	6 Mbps SISO 1Tx on Chain 0.
- 802.11n HT20:	MCS0 SISO 1Tx on Chain 0 / MIMO 2Tx on Chain0+1.
- 802.11n HT40:	MCS0 SISO 1Tx on Chain 0 / MIMO 2Tx on Chain0+1.
- 802.11ac VHT20:	MCS0 SISO 1Tx on Chain 0 / MIMO 2Tx on Chain0+1.
- 802.11ac VHT40:	MCS0 SISO 1Tx on Chain 0 / MIMO 2Tx on Chain0+1.
- 802.11ac VHT80:	MCS0 SISO 1Tx on Chain 0 / MIMO 2Tx on Chain0+1.

BAND EDGE EMISSIONS: For U-NII-2C, the band edges are considered to be 5.47 GHz and 5.725 GHz. For Straddle Channels 138,142 and 144, the band edges are considered to be 5.47 GHz and 5.85 GHz

The Lower Band Edge and the Upper Band Edge of Channel were tested for all modes.

SISO worst-case:

- **SISO 802.11 a20:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge Channel 100 (5500 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 100 (5500 MHz). No spurious emissions found at less than 20 dB below the limit:

- Lower Band Edge Channel 140 (5700 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 140 (5700 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Straddle Channel 144 (5720 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Straddle Channel 144 (5720 MHz). No spurious emissions found at less than 20 dB below the limit.

- **SISO 802.11 n20:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge Channel 100 (5500 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 100 (5500 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Channel 140 (5700 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 140 (5700 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Straddle Channel 144 (5720 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Straddle Channel 144 (5720 MHz). No spurious emissions found at less than 20 dB below the limit.

- **SISO 802.11 ac20:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge Channel 100 (5500 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 100 (5500 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Channel 140 (5700 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 140 (5700 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Straddle Channel 144 (5720 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Straddle Channel 144 (5720 MHz). No spurious emissions found at less than 20 dB below the limit.

- **SISO 802.11 n40:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge Channel 102 (5510 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 102 (5510 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Channel 134 (5670 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 134 (5670 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Straddle Channel 142 (5710 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Straddle Channel 142 (5710 MHz). No spurious emissions found at less than 20 dB below the limit.

- **SISO 802.11 ac40:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge Channel 102 (5510 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 102 (5510 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Channel 134 (5670 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 134 (5670 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Straddle Channel 142 (5710 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Straddle Channel 142 (5710 MHz). No spurious emissions found at less than 20 dB below the limit.

- **SISO 802.11 ac80:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge Channel 106 (5530 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 106 (5530 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Channel 122 (5610 MHz) (**). No spurious emissions found at less than 20 dB below the limit.

(**): Channel not allowed in Canada.

- Upper Band Edge Channel 122 (5610 MHz) (**). No spurious emissions found at less than 20 dB below the limit.

(**): Channel not allowed in Canada.

- Lower Band Edge Straddle Channel 138 (5690 MHz). No spurious emissions found at less than 20 dB below the limit.

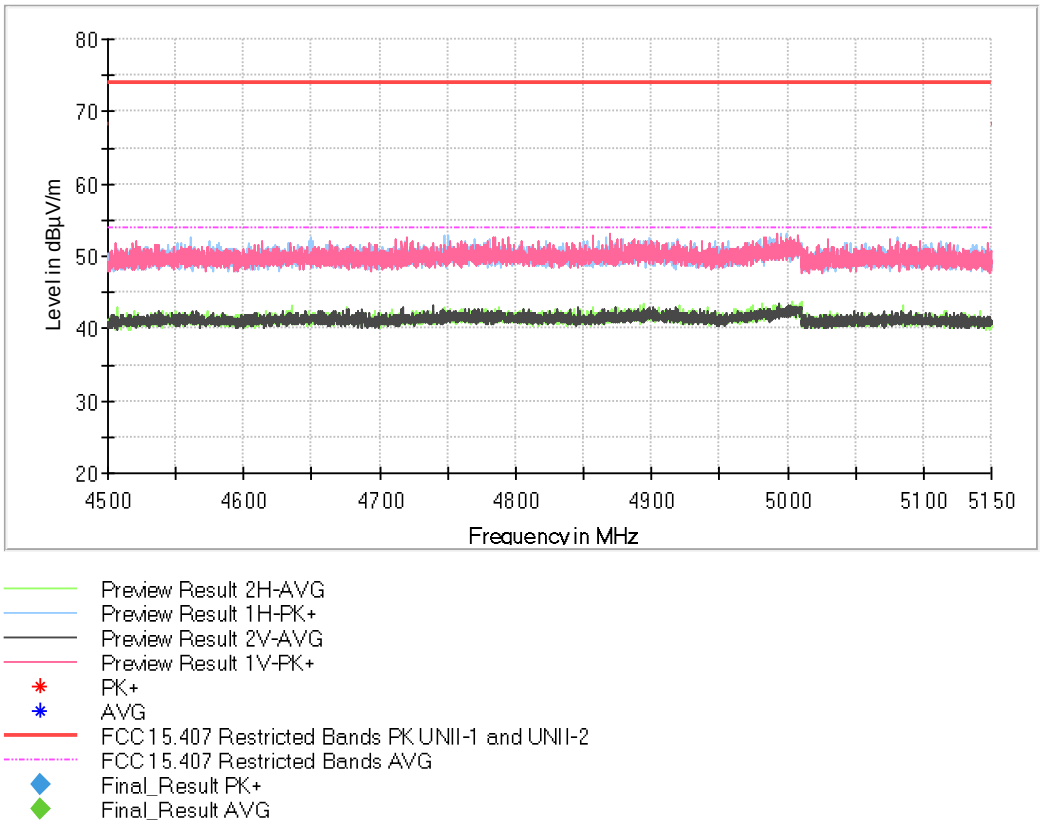
- Upper Band Edge Straddle Channel 138 (5690 MHz). No spurious emissions found at less than 20 dB below the limit.

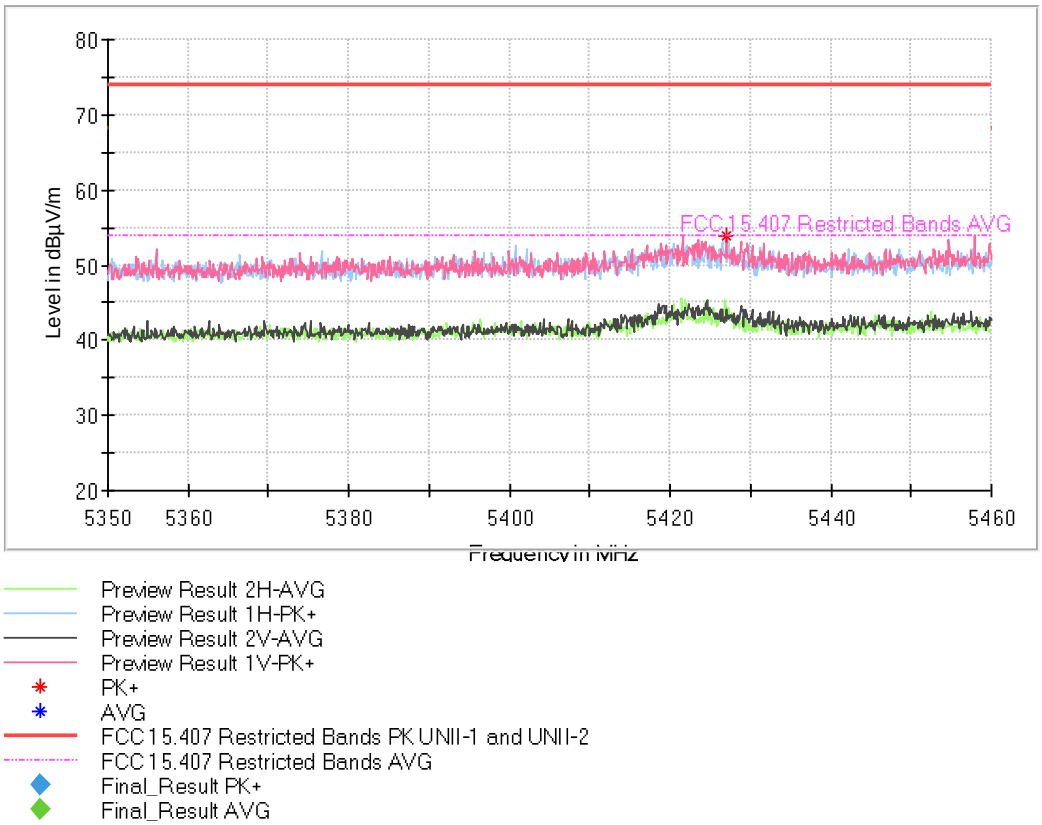
Verdict: PASS

- **SISO 802.11 a20:**

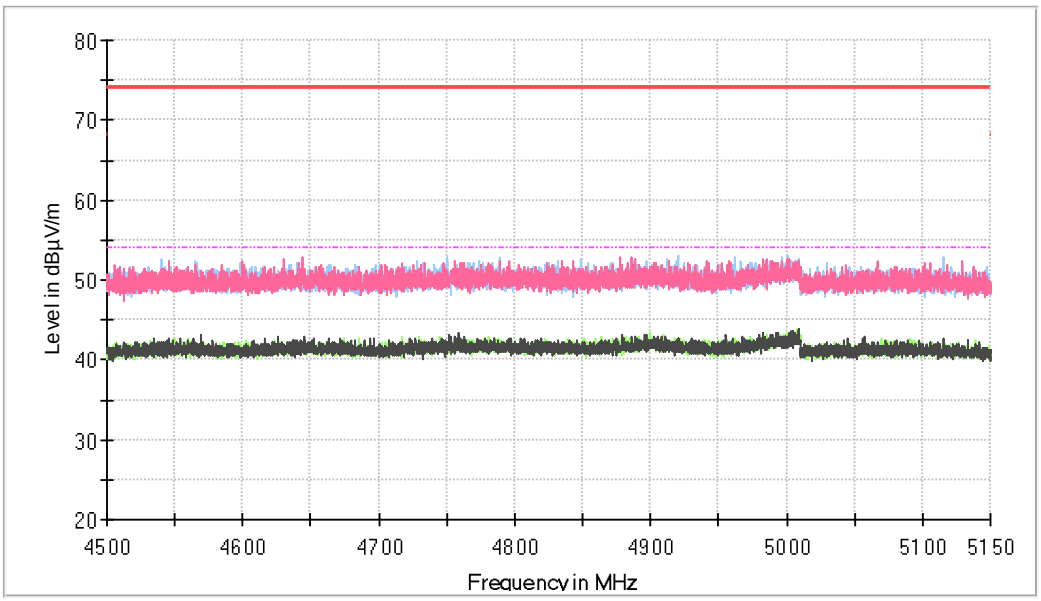
U-NII-2C (5470-5725 MHz):

- Lower Band Edge and Upper Band Edge Channel 100 (5500 MHz):

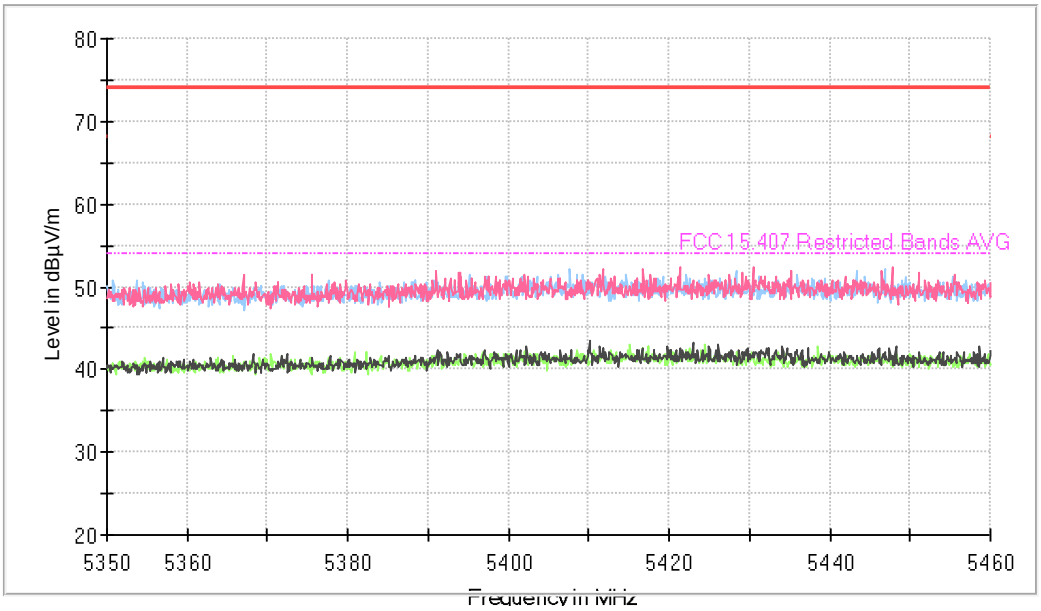




- Lower Band Edge and Upper Band Edge Channel 140 (5700 MHz):

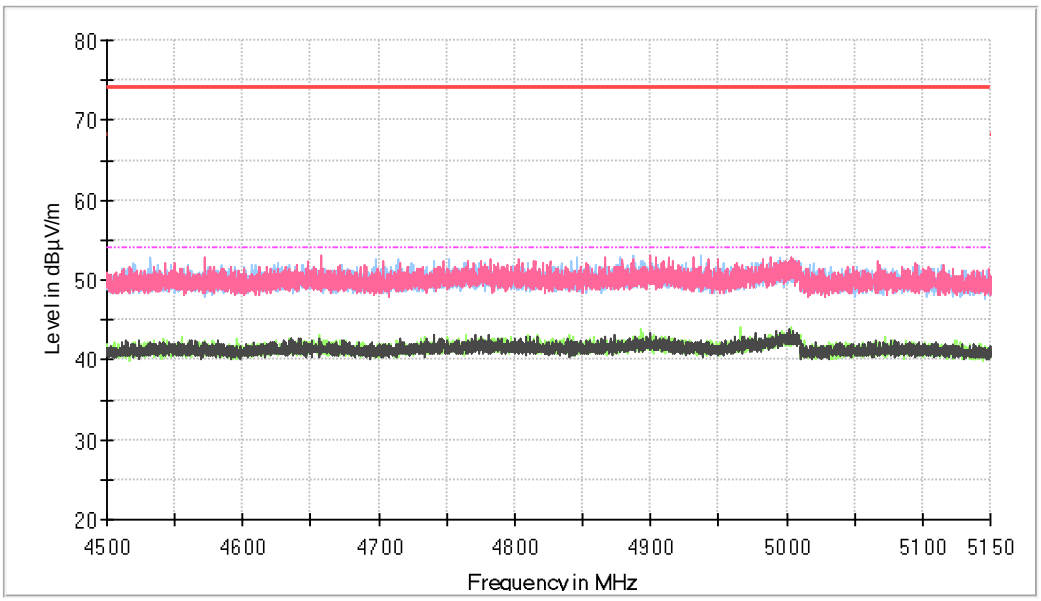


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

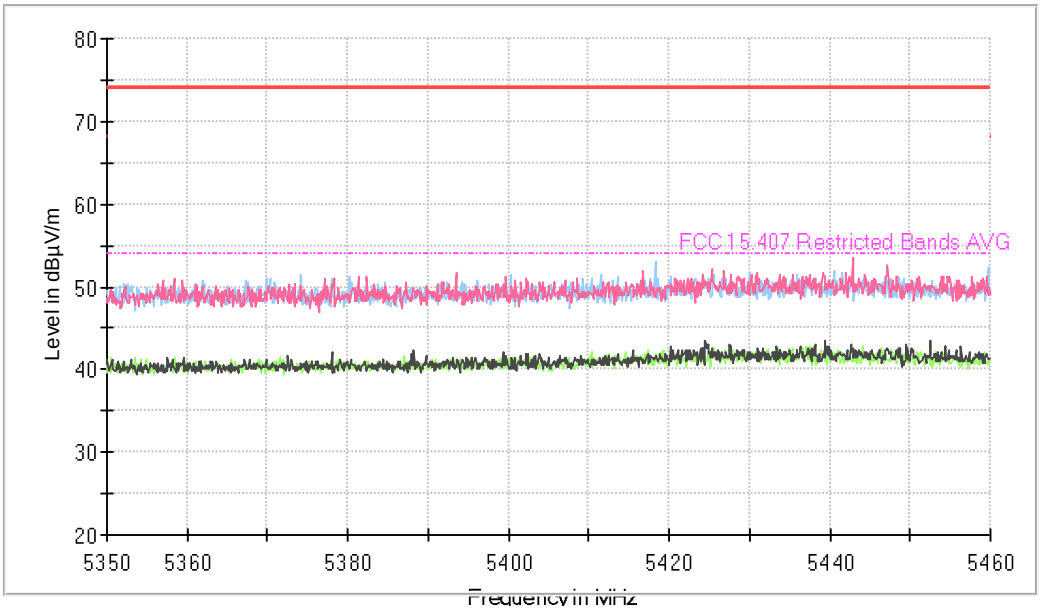


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Straddle Channel 144 (5720 MHz):



Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

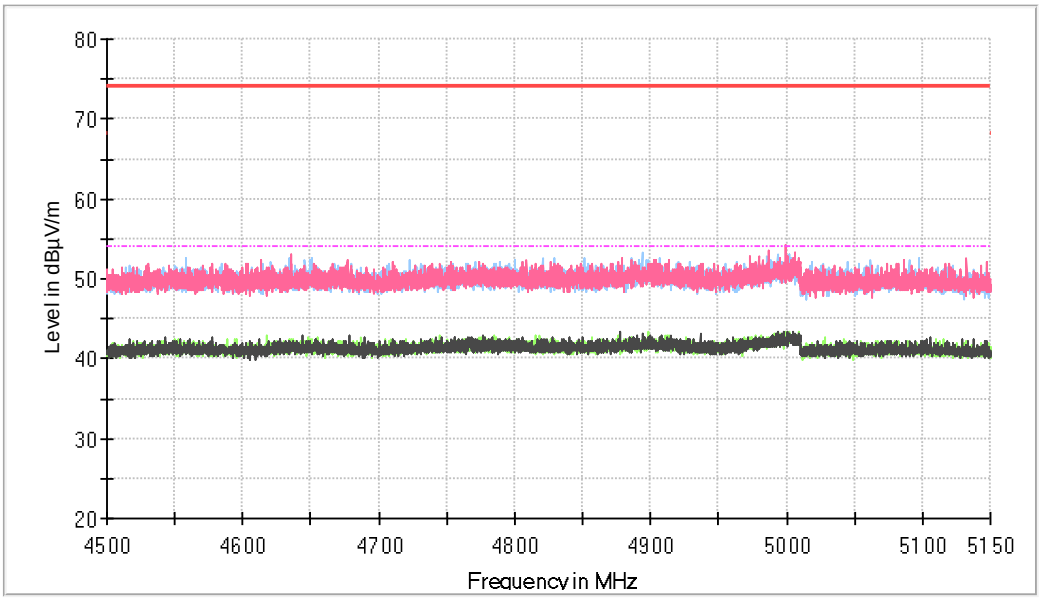


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

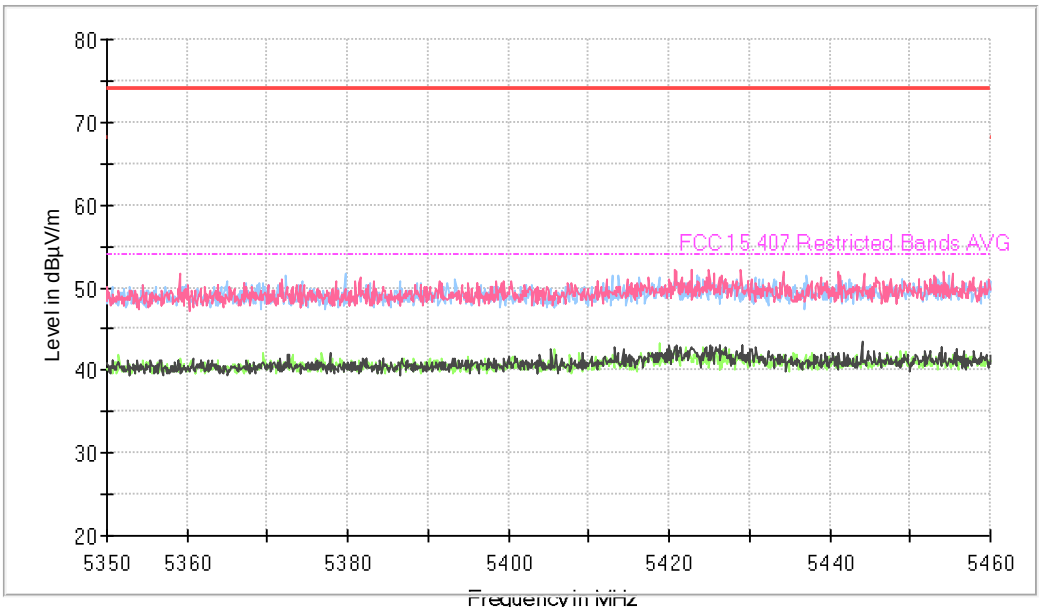
- **SISO 802.11 n20:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge and Upper Band Edge Channel 100 (5500 MHz):

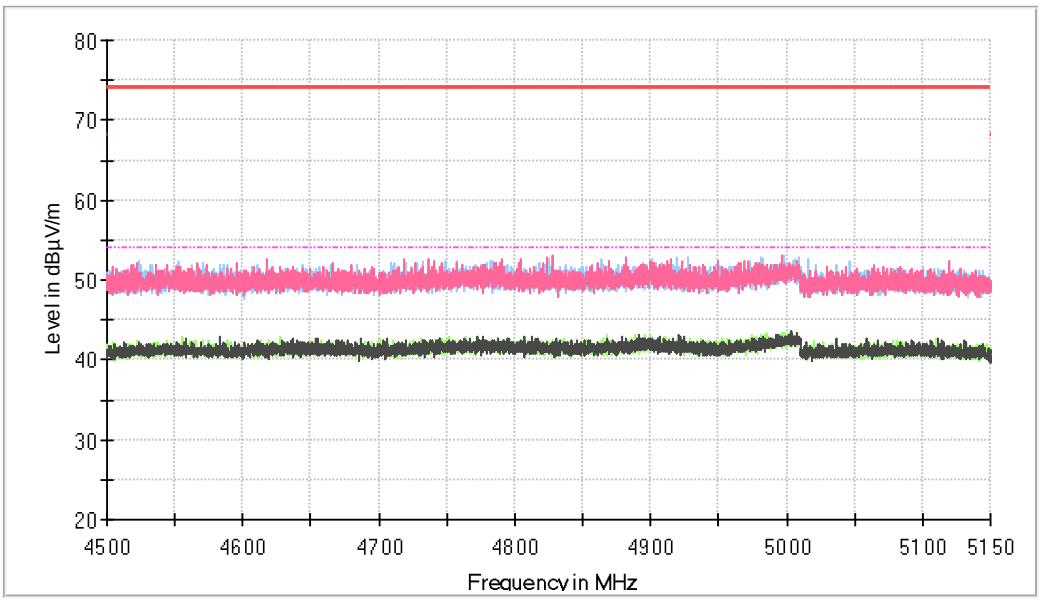


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

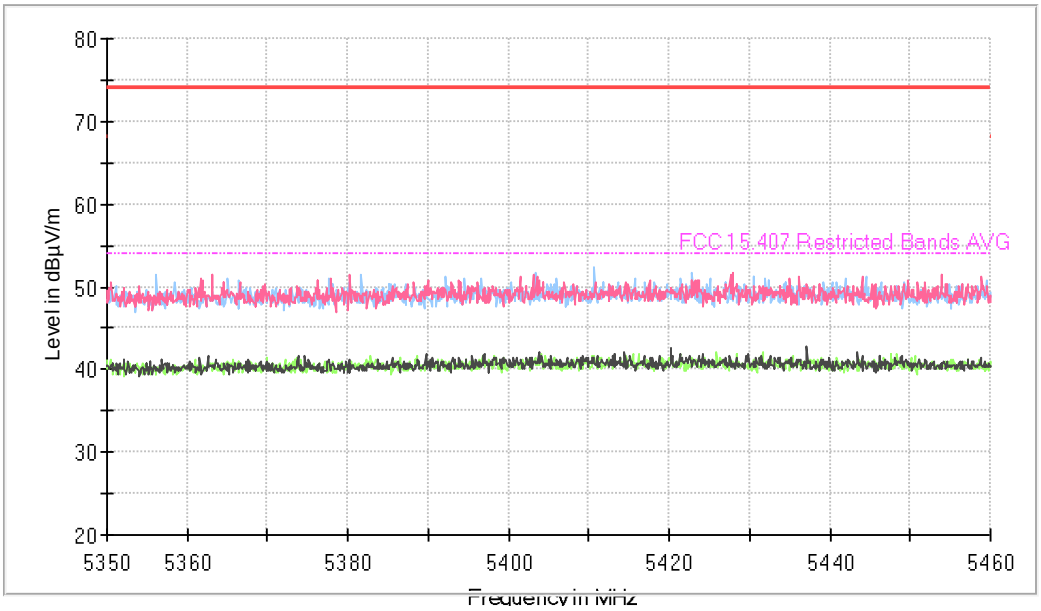


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Channel 140 (5700 MHz):

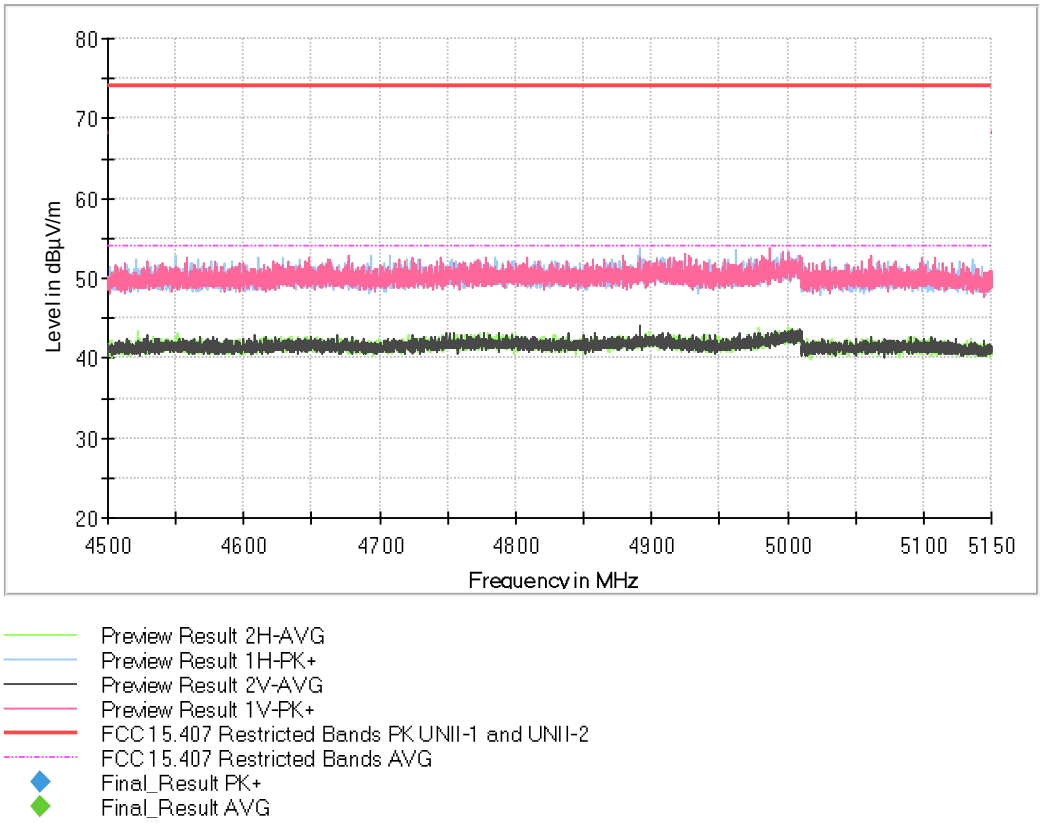


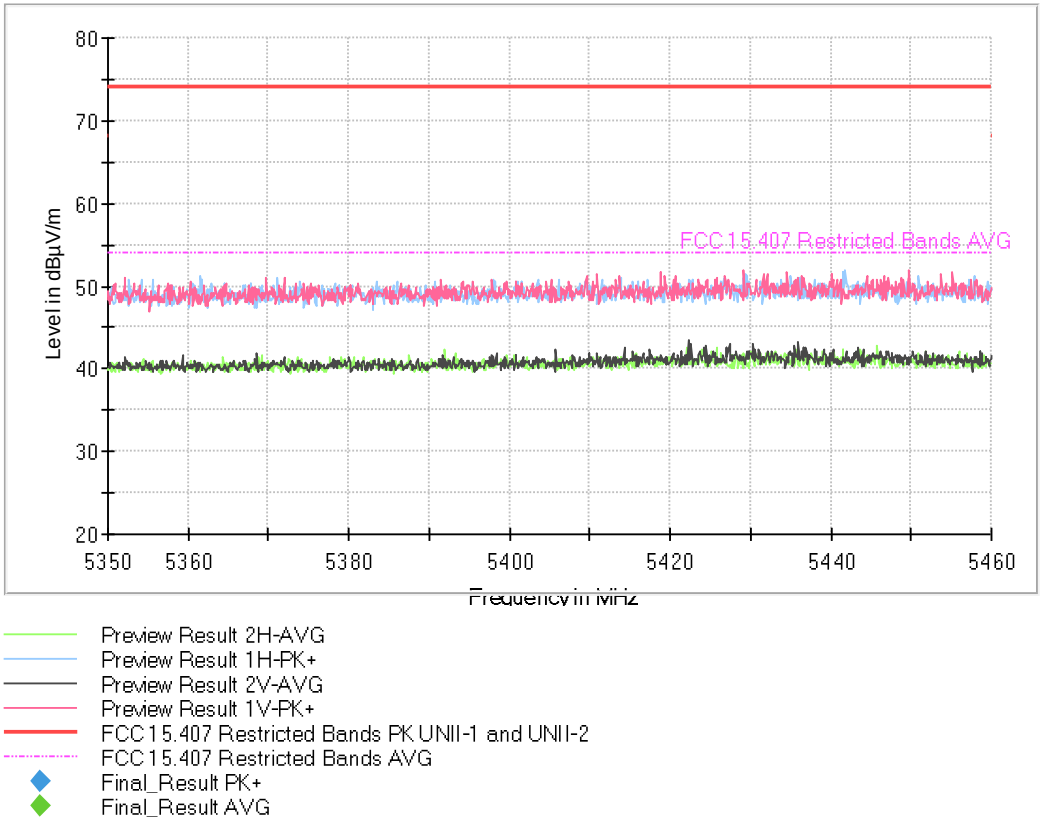
Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG



Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Straddle Channel 144 (5720 MHz):

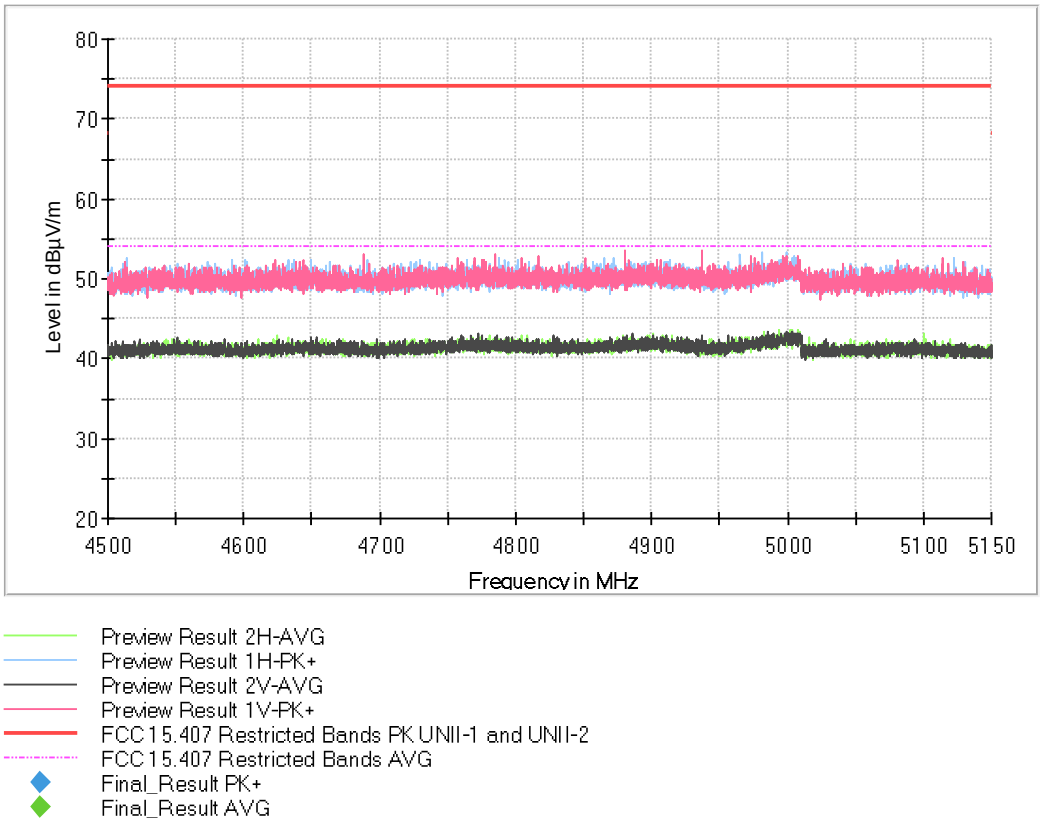


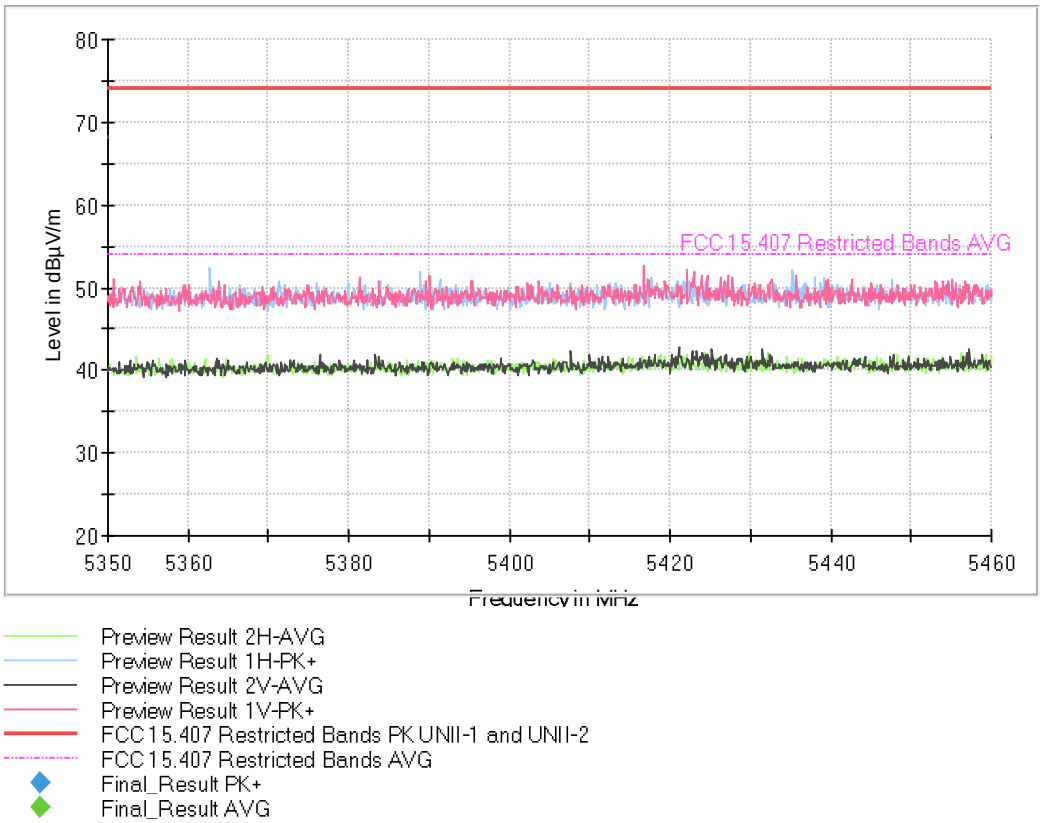


- **SISO 802.11 ac20:**

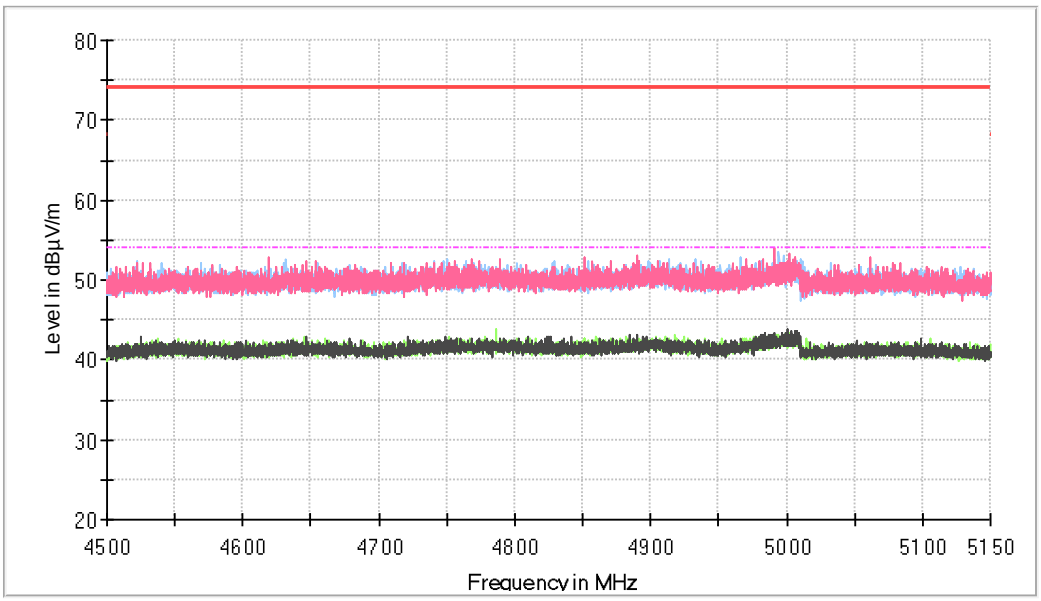
U-NII-2C (5470-5725 MHz):

- Lower Band Edge and Upper Band Edge Channel 100 (5500 MHz):

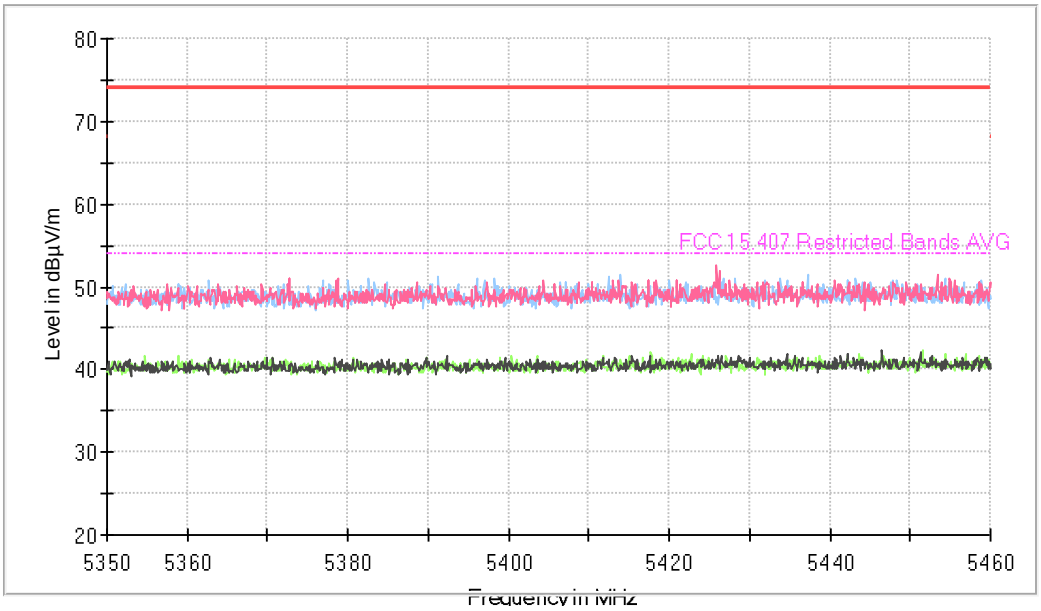




- Lower Band Edge and Upper Band Edge Channel 140 (5700 MHz):

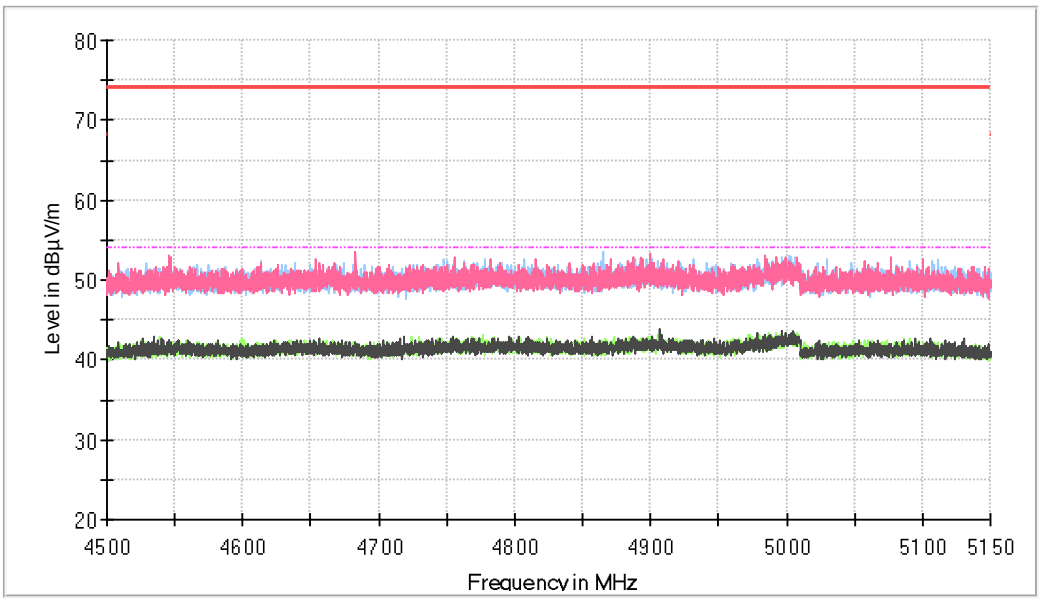


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

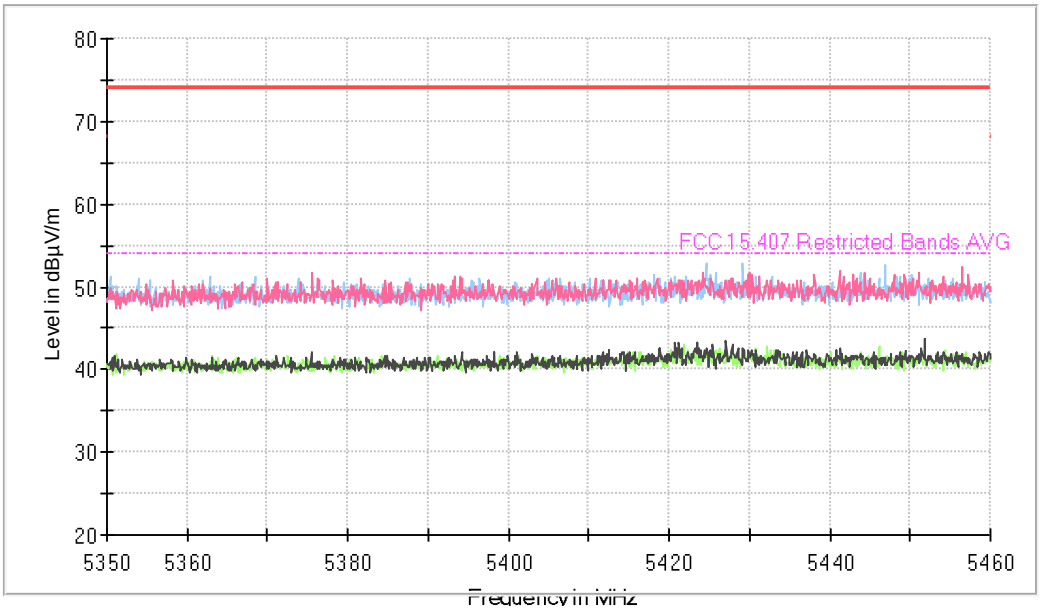


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Straddle Channel 144 (5720 MHz):



Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

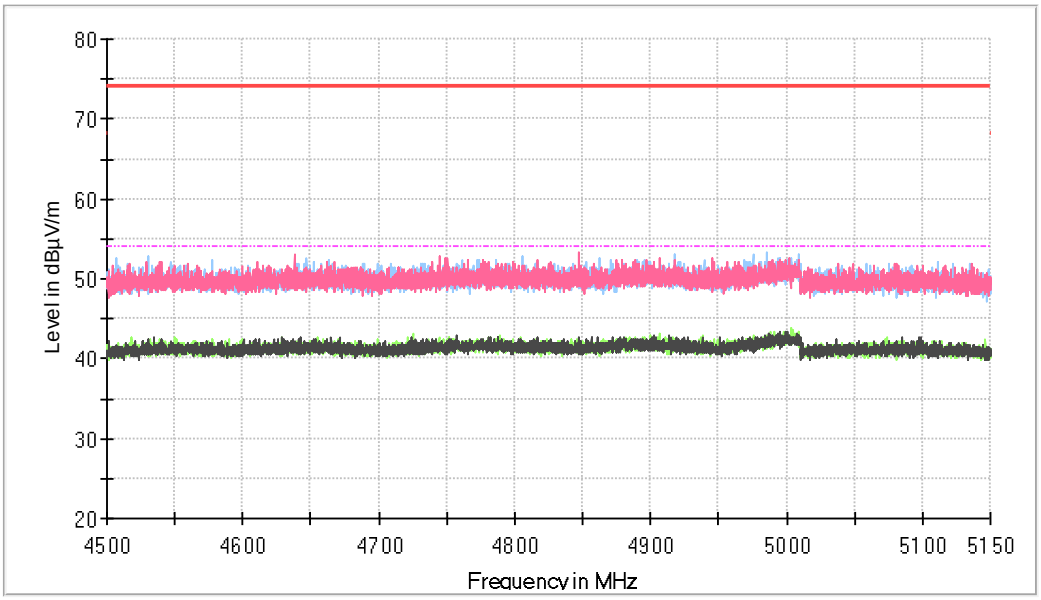


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

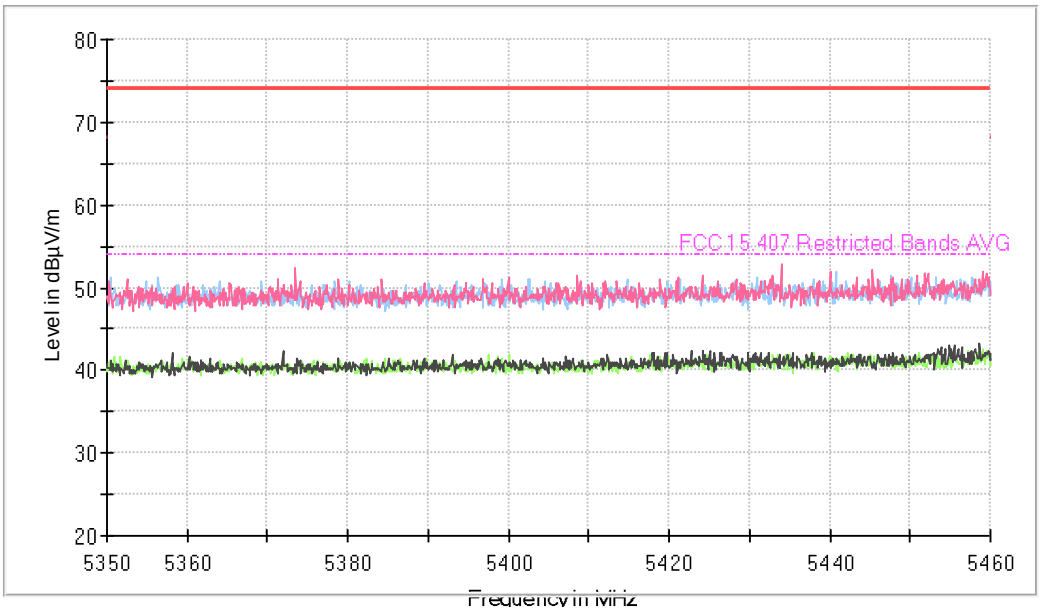
- **SISO 802.11 n40:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge and Upper Band Edge Channel 102 (5510 MHz):

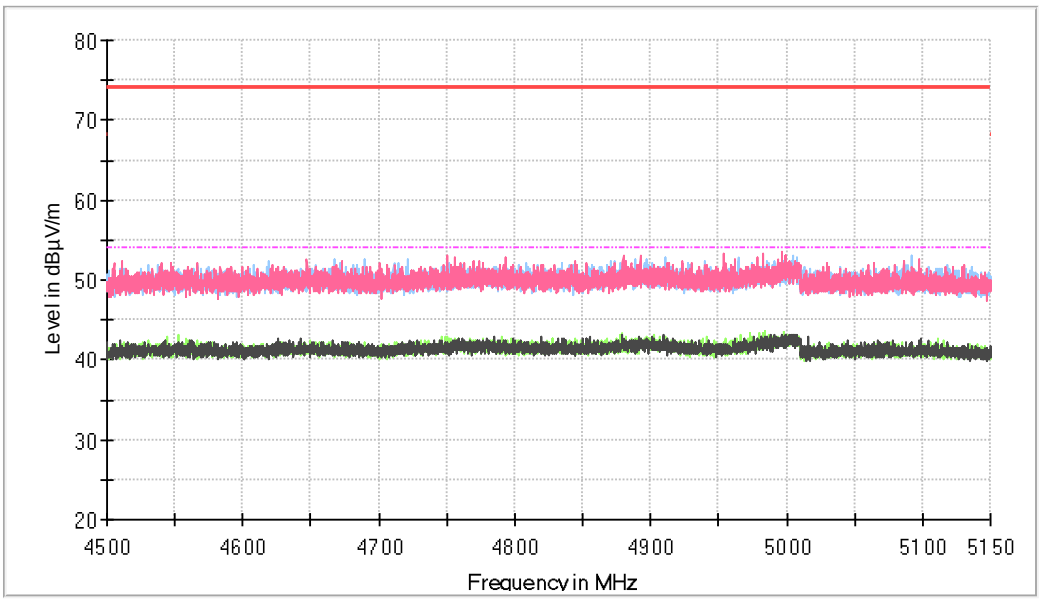


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

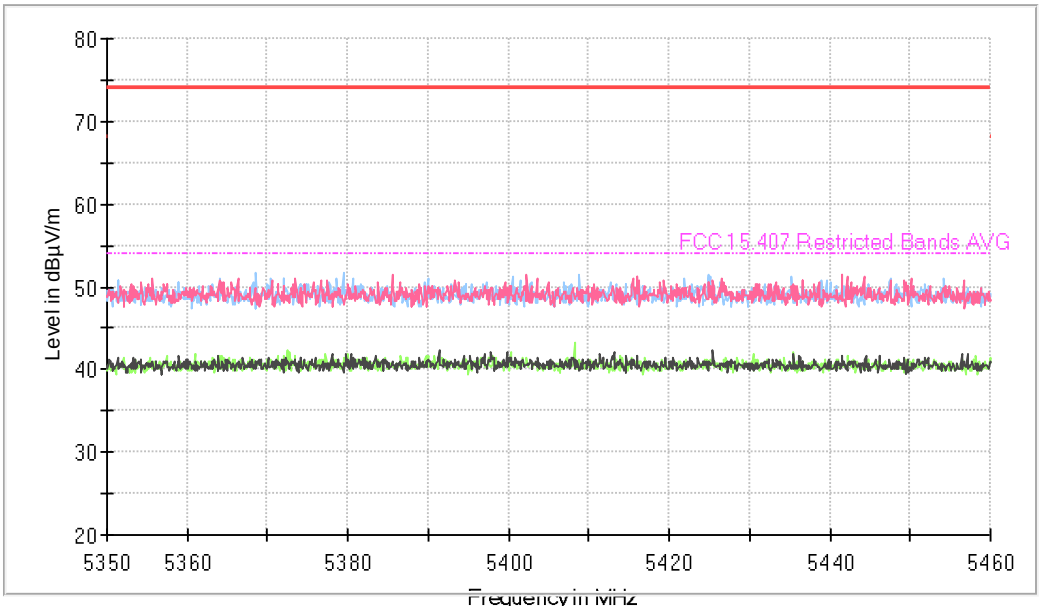


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Channel 134 (5670 MHz):

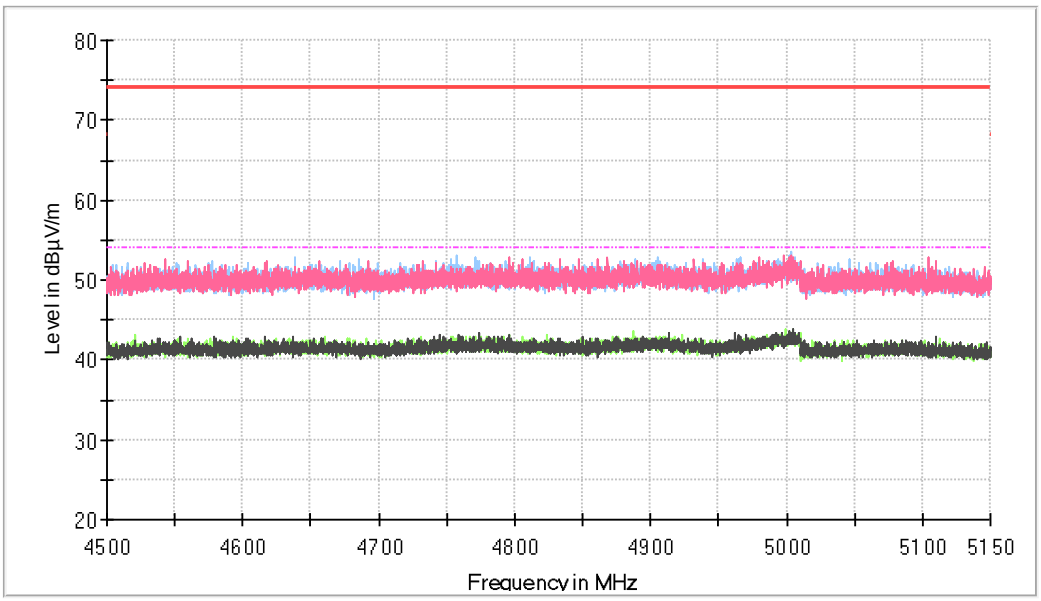


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

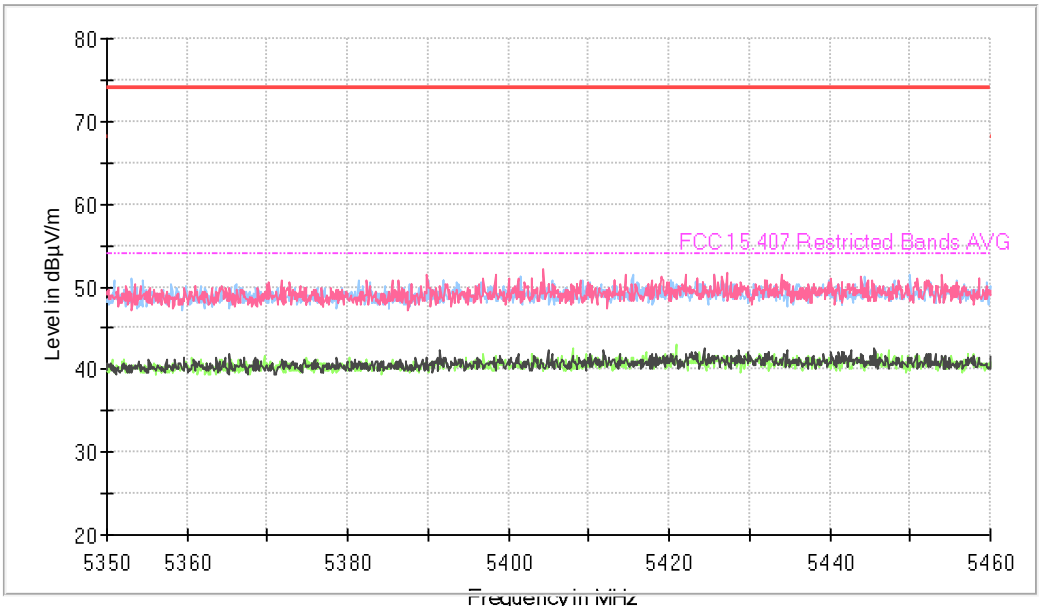


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Straddle Channel 142 (5710 MHz):



Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

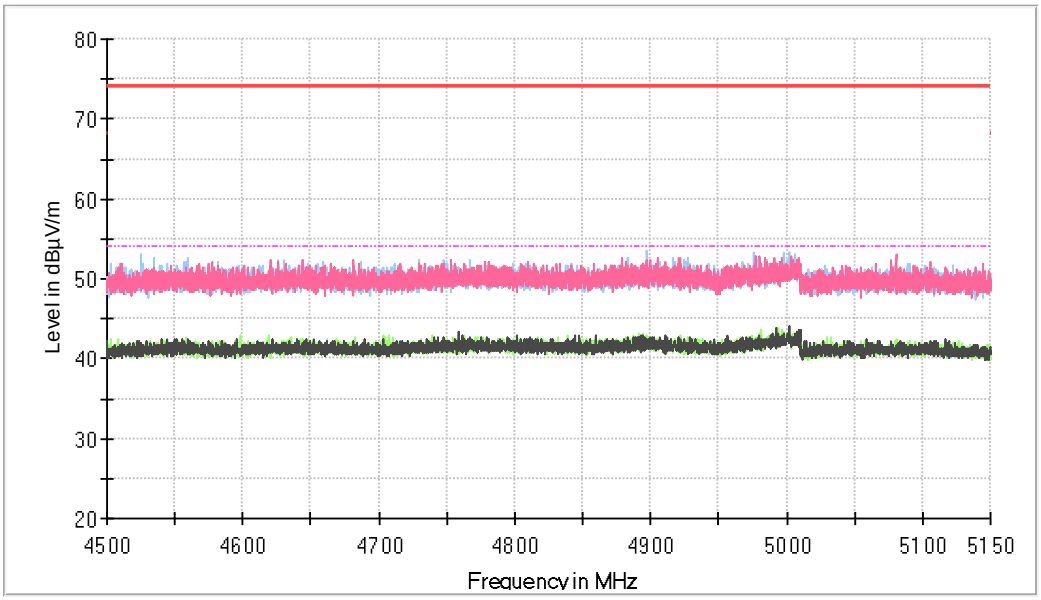


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

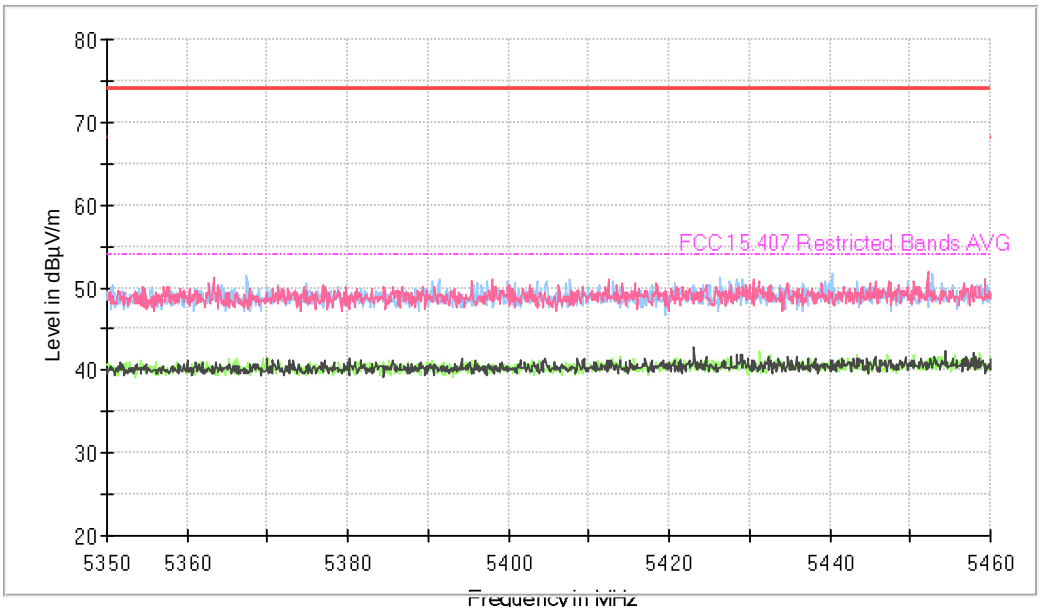
- **SISO 802.11 ac40:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge and Upper Band Edge Channel 102 (5510 MHz):

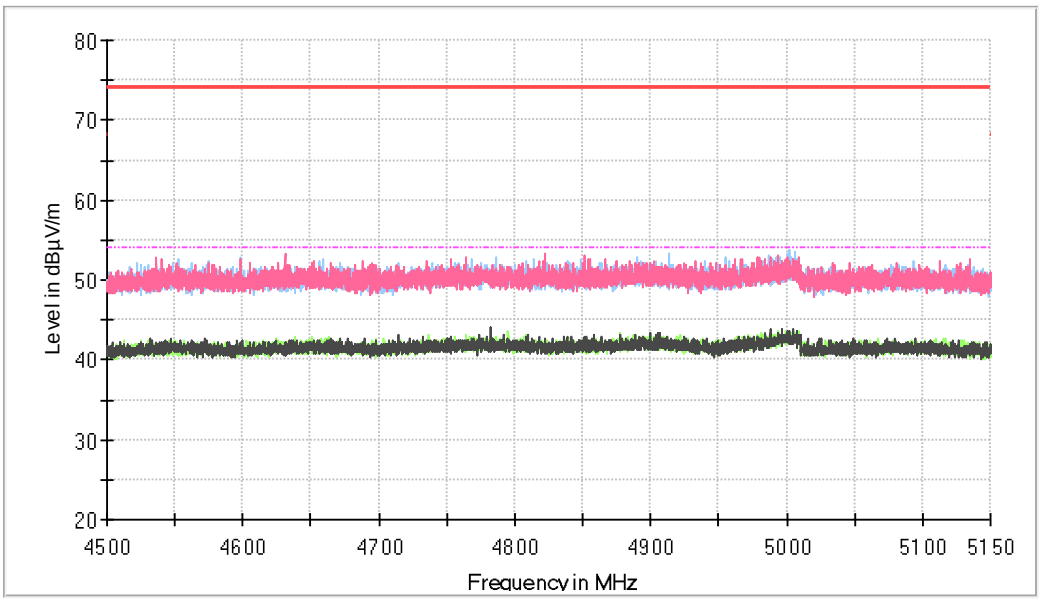


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

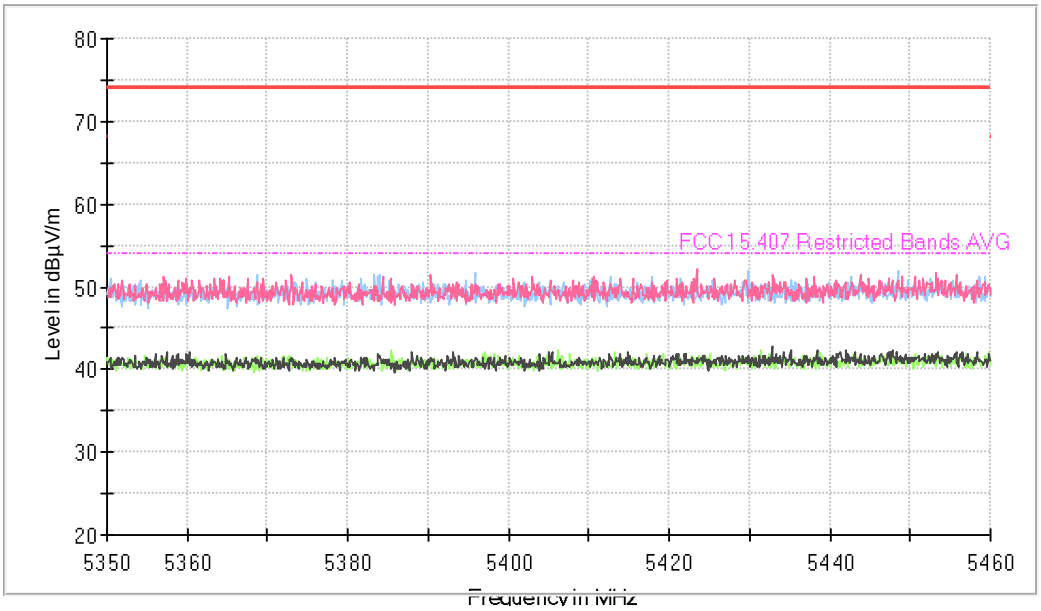


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Channel 134 (5670 MHz):

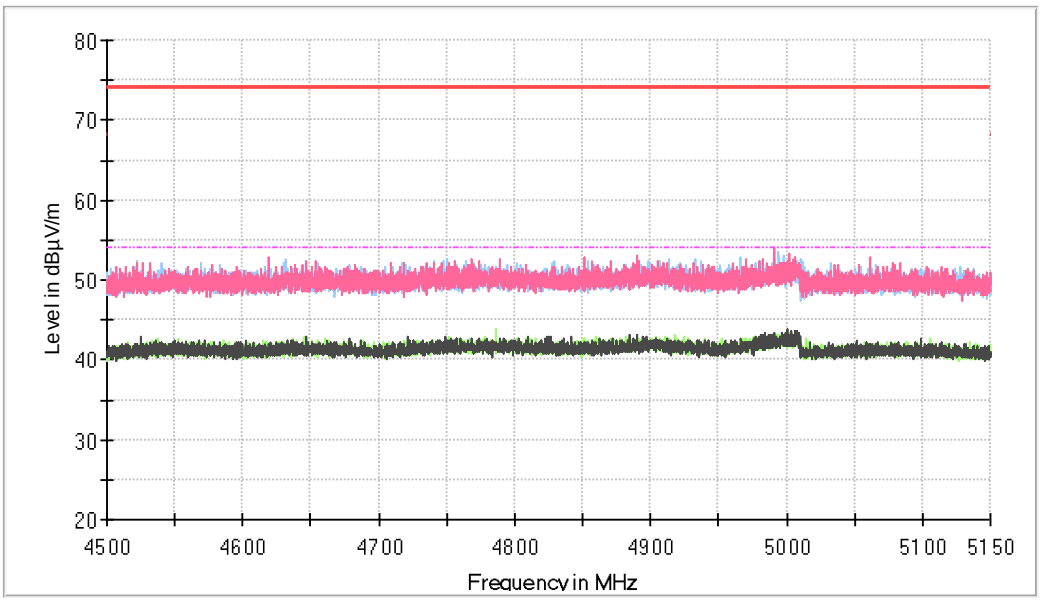


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

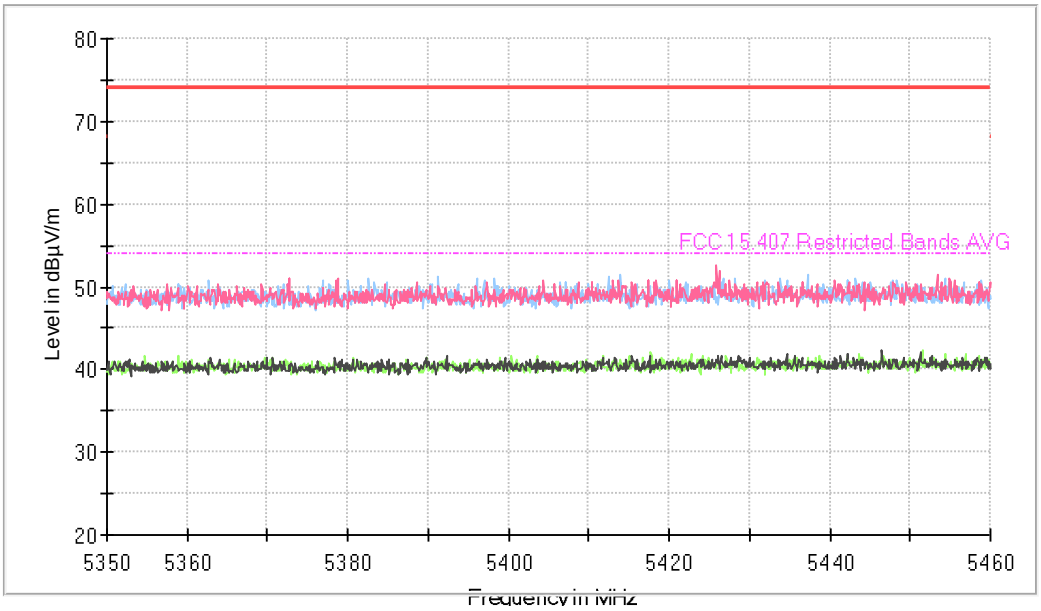


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Straddle Channel 142 (5710 MHz):



Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

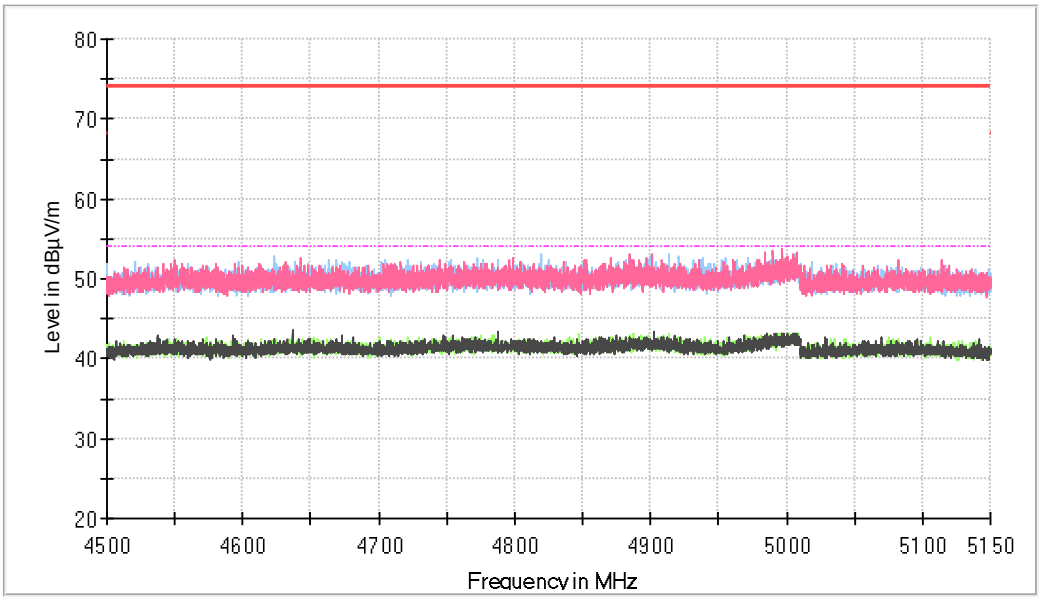


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

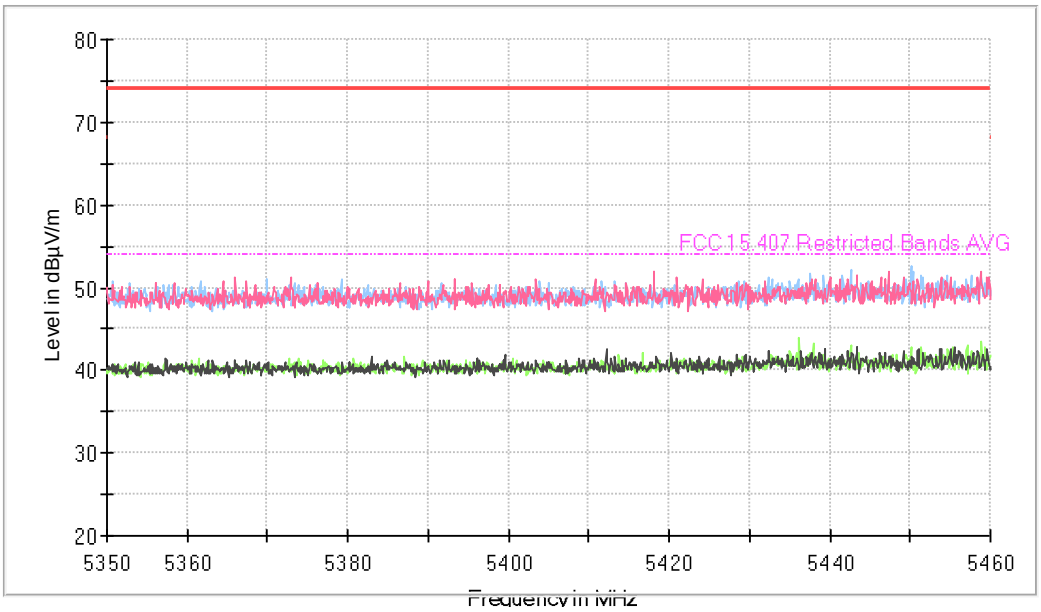
- **SISO 802.11 ac80:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge and Upper Band Edge Channel 106 (5530 GHz):

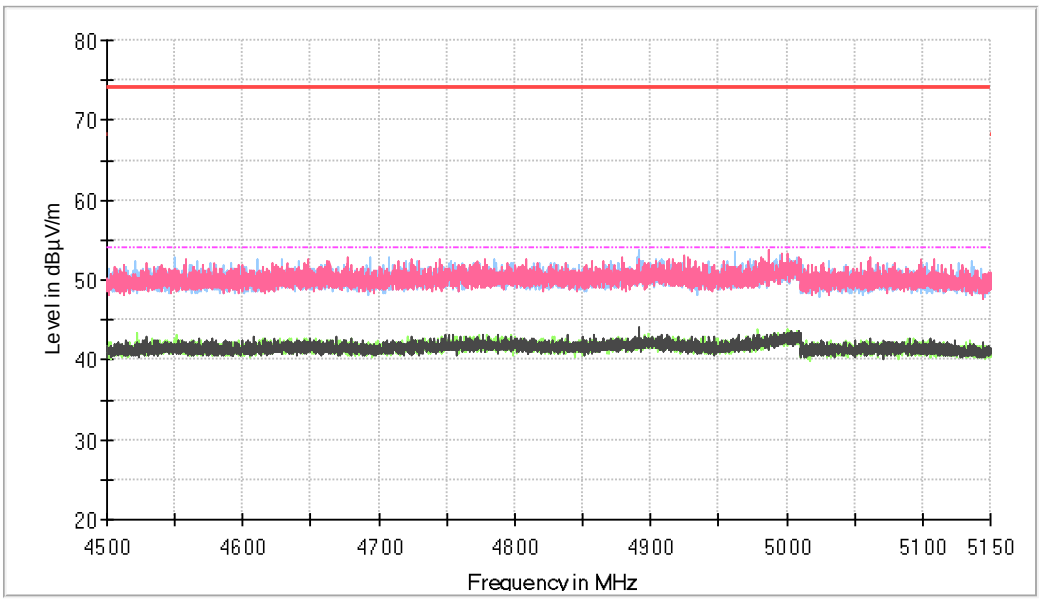


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

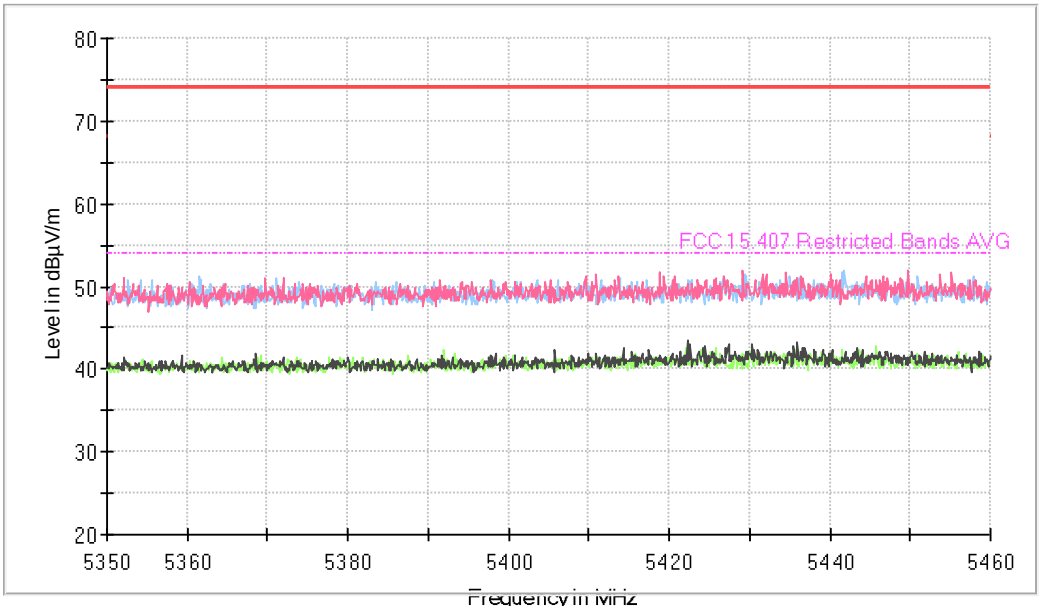


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Channel 122 (5610 MHz):

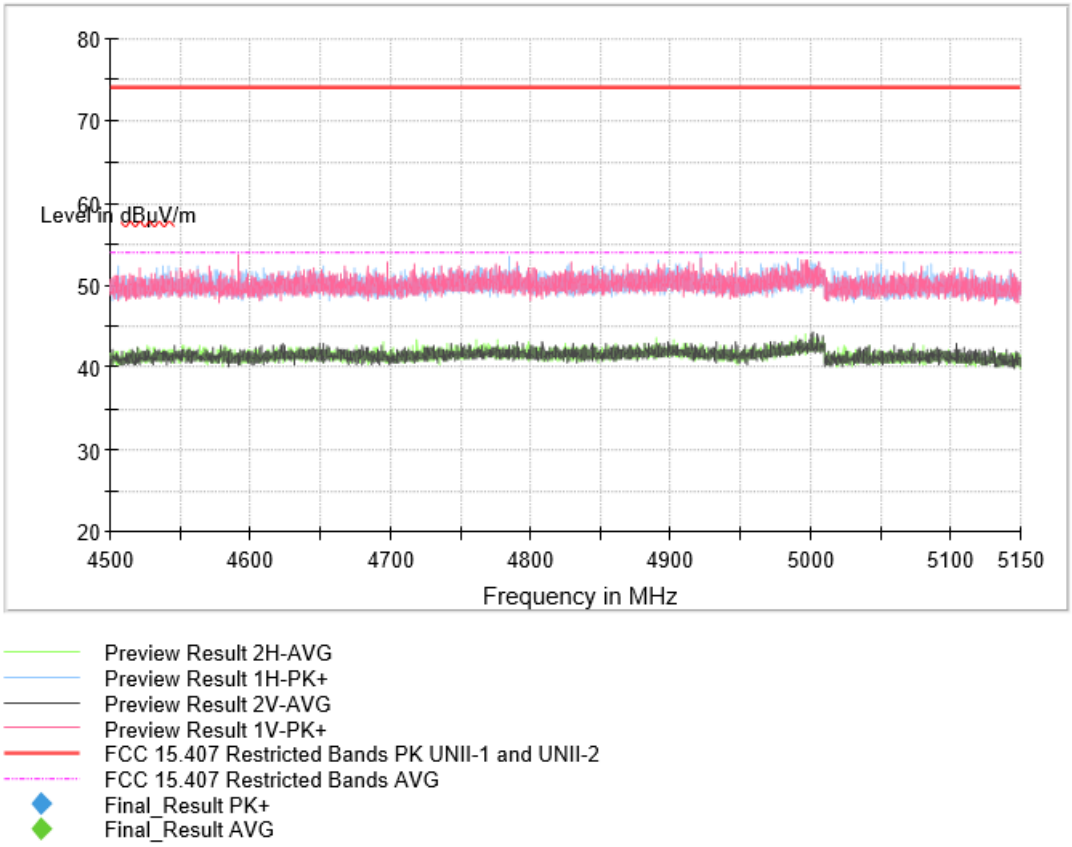


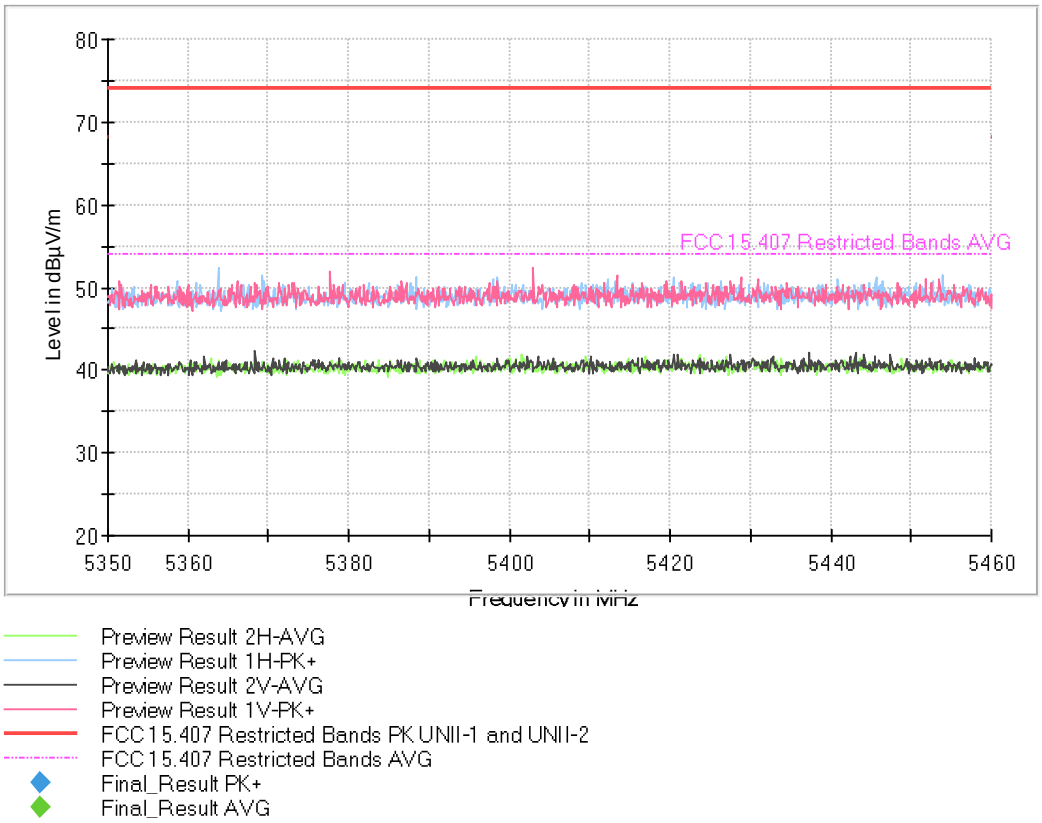
Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG



Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Straddle Channel 138 (5690 MHz):





MIMO worst-case:

- **MIMO 802.11 n20:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge Channel 100 (5500 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 100 (5500 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Channel 140 (5700 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 140 (5700 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Straddle Channel 144 (5720 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Straddle Channel 144 (5720 MHz). No spurious emissions found at less than 20 dB below the limit.

- **MIMO 802.11 ac20:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge Channel 100 (5500 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 100 (5500 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Channel 140 (5700 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 140 (5700 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Straddle Channel 144 (5720 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Straddle Channel 144 (5720 MHz). No spurious emissions found at less than 20 dB below the limit.

- **MIMO 802.11 n40:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge Channel 102 (5510 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 102 (5510 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Channel 134 (5670 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 134 (5670 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Straddle Channel 142 (5710 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Straddle Channel 142 (5710 MHz). No spurious emissions found at less than 20 dB below the limit.

- **MIMO 802.11 ac40:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge Channel 102 (5510 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 102 (5510 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Channel 134 (5670 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 134 (5670 MHz). No spurious emissions found at less than 20 dB below the limit.

- Lower Band Edge Straddle Channel 142 (5710 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Straddle Channel 142 (5710 MHz). No spurious emissions found at less than 20 dB below the limit.

- **MIMO 802.11 ac80:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge Channel 106 (5530 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Channel 106 (5530 MHz). Spurious emissions at less than 20 dB below the limit:

Spurious frequency (MHz)	Emission Level (dBµV/m)	Polarization	Detector
5454.388200	59.14	V	Peak
	44.02		Average

- Lower Band Edge Channel 122 (5610 MHz) (**). No spurious emissions found at less than 20 dB below the limit.

(**): Channel not allowed in Canada.

- Upper Band Edge Channel 122 (5610 MHz) (**). No spurious emissions found at less than 20 dB below the limit.

(**): Channel not allowed in Canada.

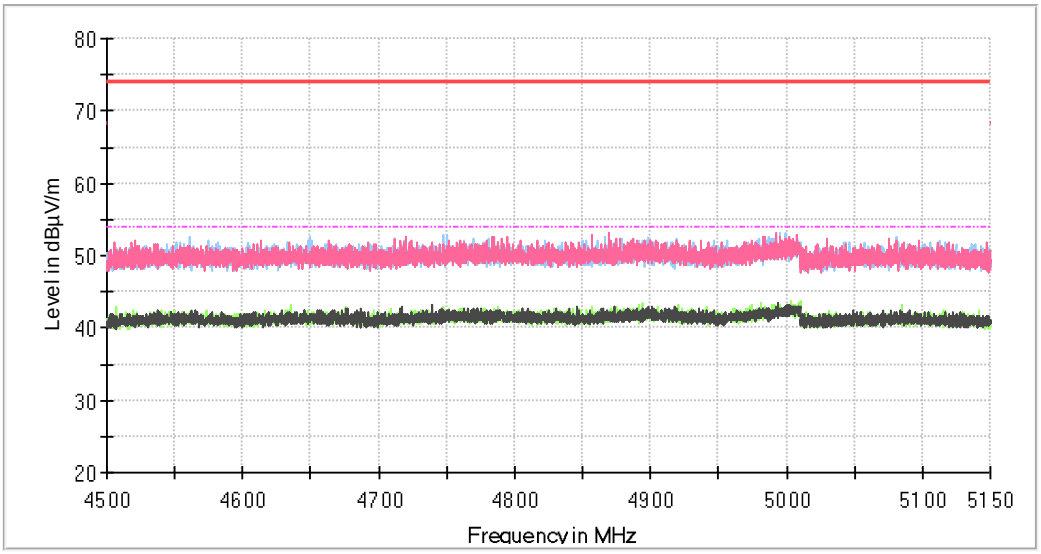
- Lower Band Edge Straddle Channel 138 (5690 MHz). No spurious emissions found at less than 20 dB below the limit.

- Upper Band Edge Straddle Channel 138 (5690 MHz). No spurious emissions found at less than 20 dB below the limit.

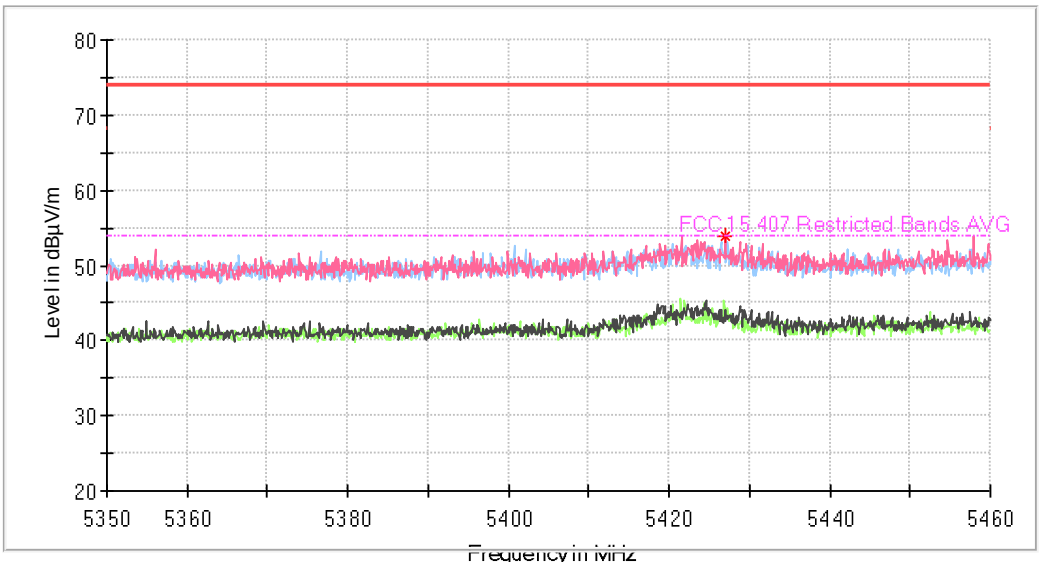
Verdict: PASS

- **MIMO 802.11 n20:**

U-NII-2C (5470-5725 MHz):
- Lower Band Edge and Upper Band Edge Channel 100 (5500 MHz):

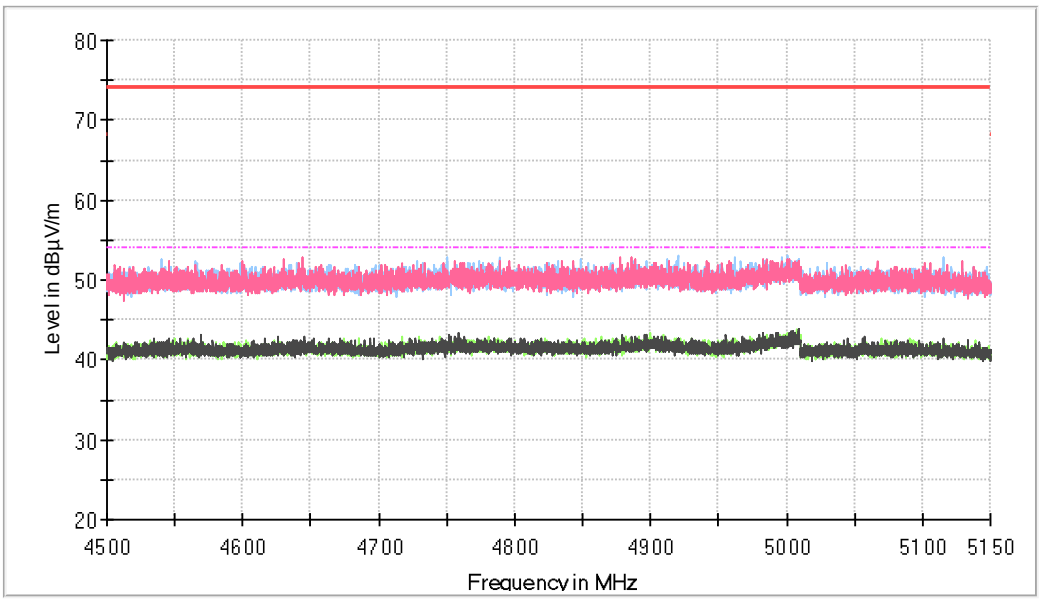


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
PK+
AVG
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

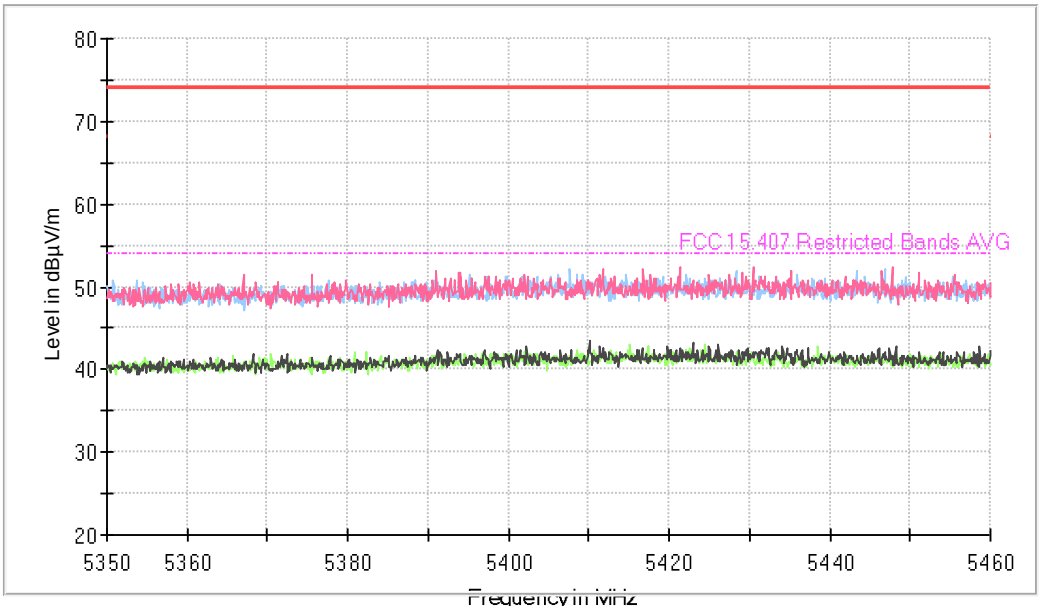


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
PK+
AVG
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Channel 140 (5700 MHz):

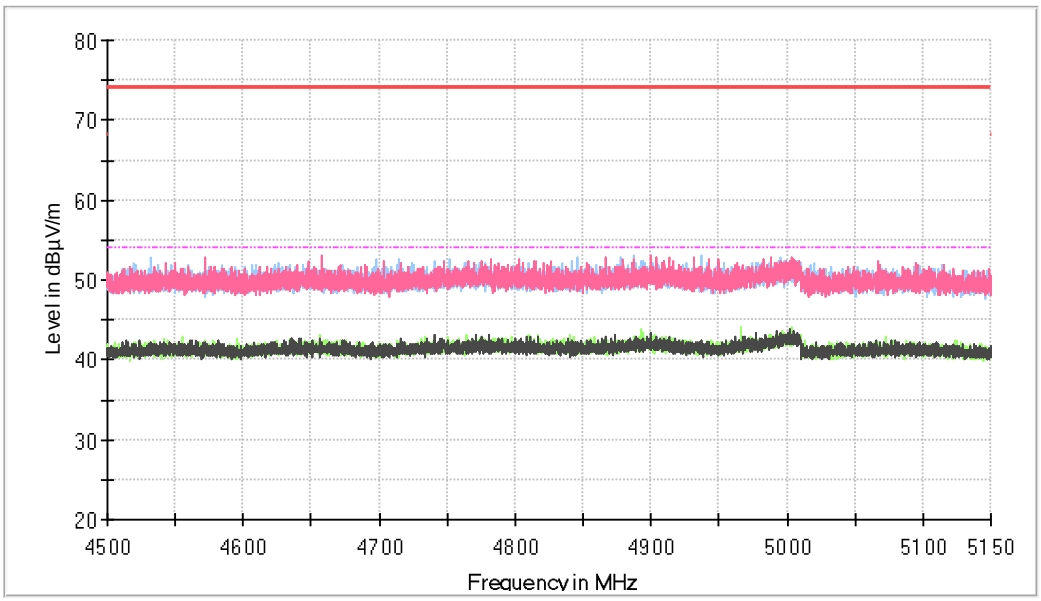


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

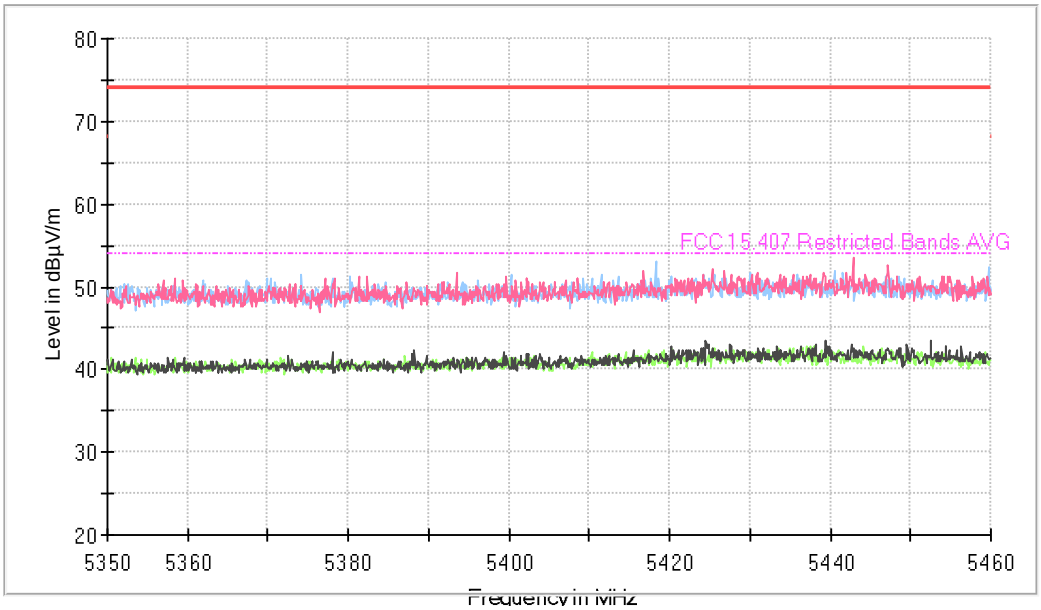


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Straddle Channel 144 (5720 MHz):



Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

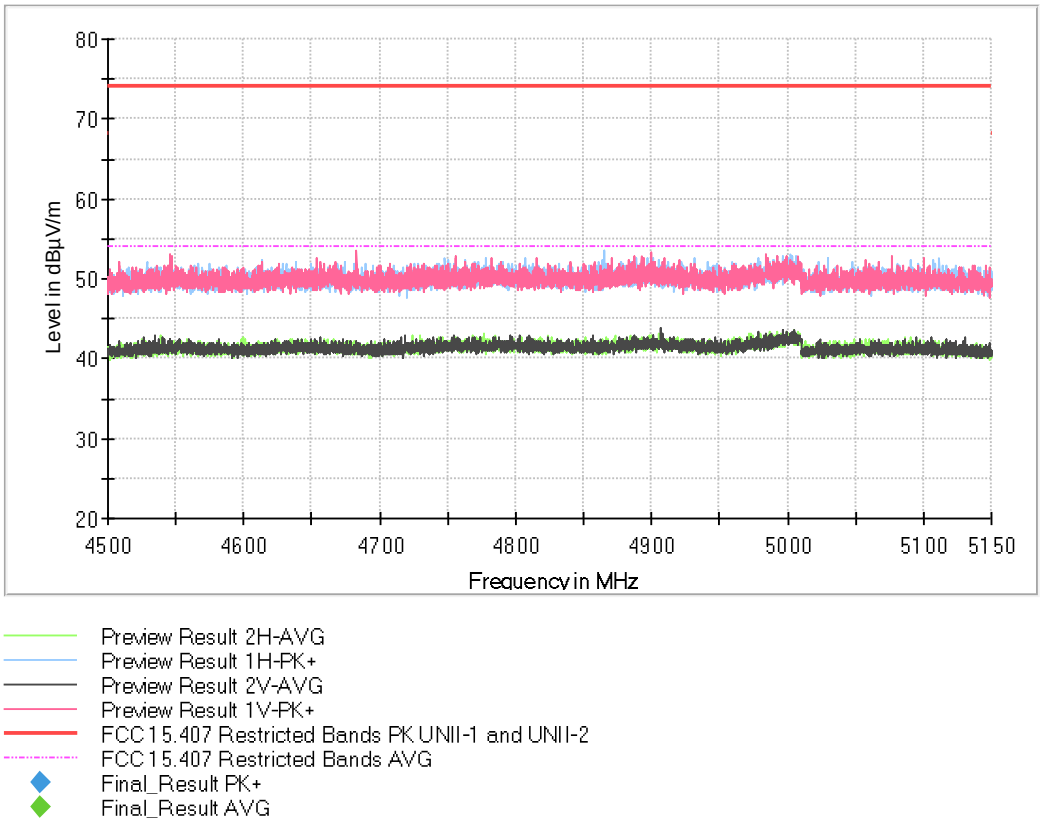


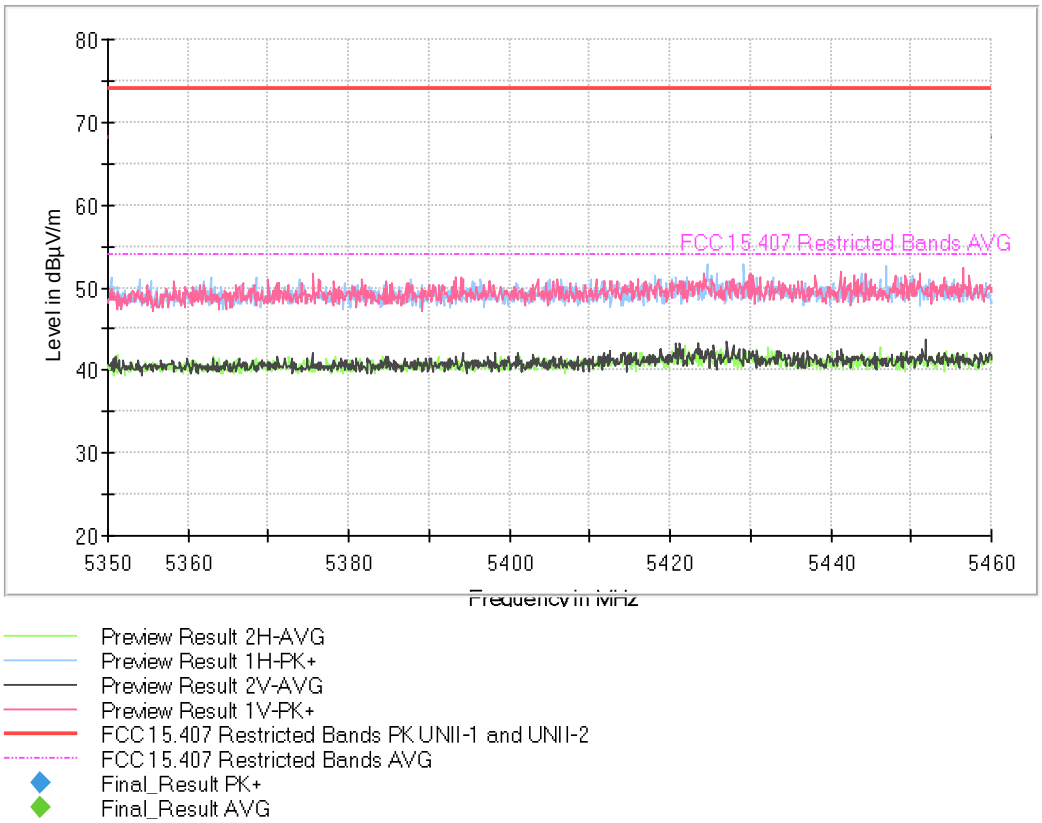
Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- **MIMO 802.11 ac20:**

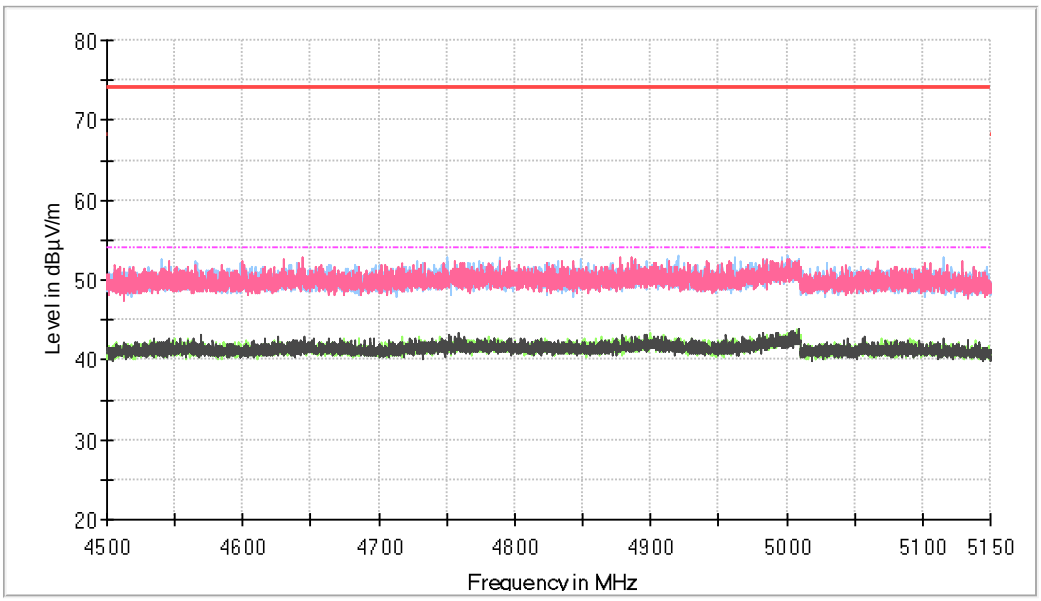
U-NII-2C (5470-5725 MHz):

- Lower Band Edge and Upper Band Edge Channel 100 (5500 MHz):

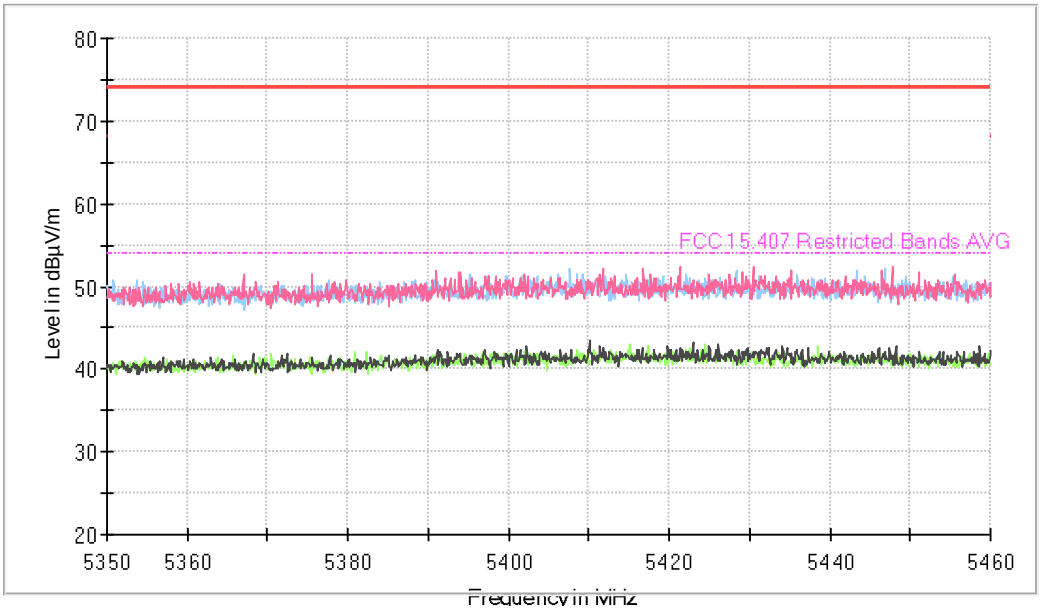




- Lower Band Edge and Upper Band Edge Channel 140 (5700 MHz):

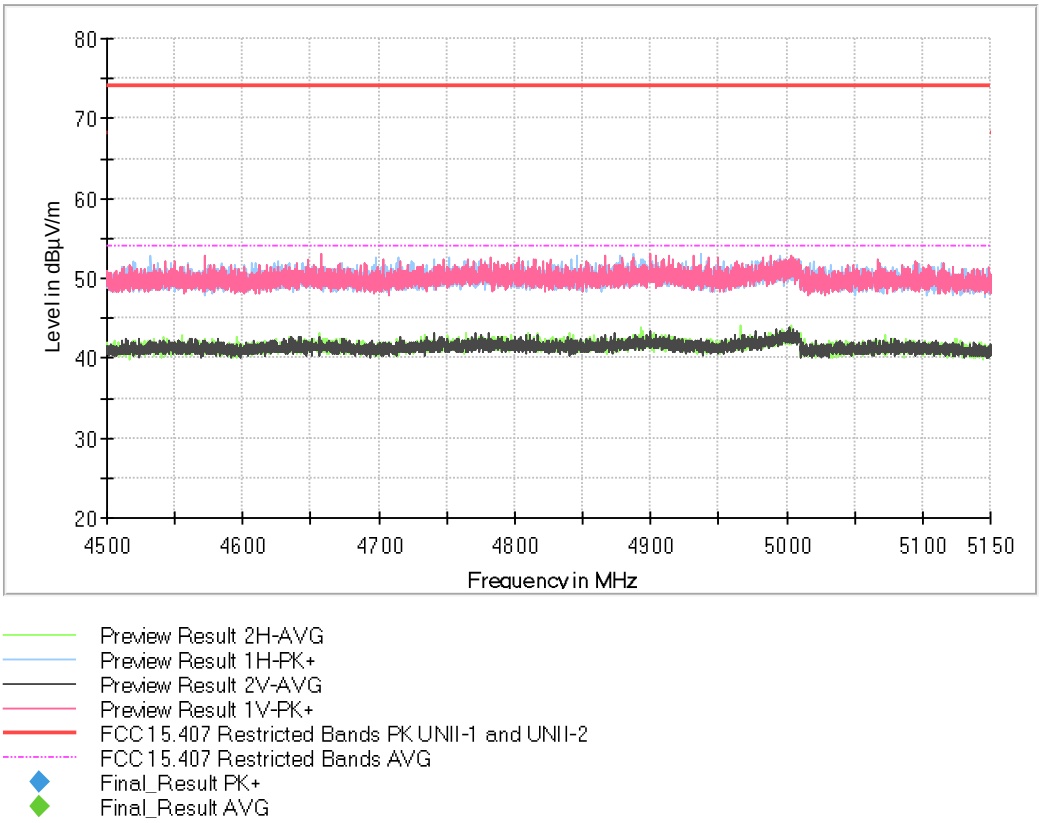


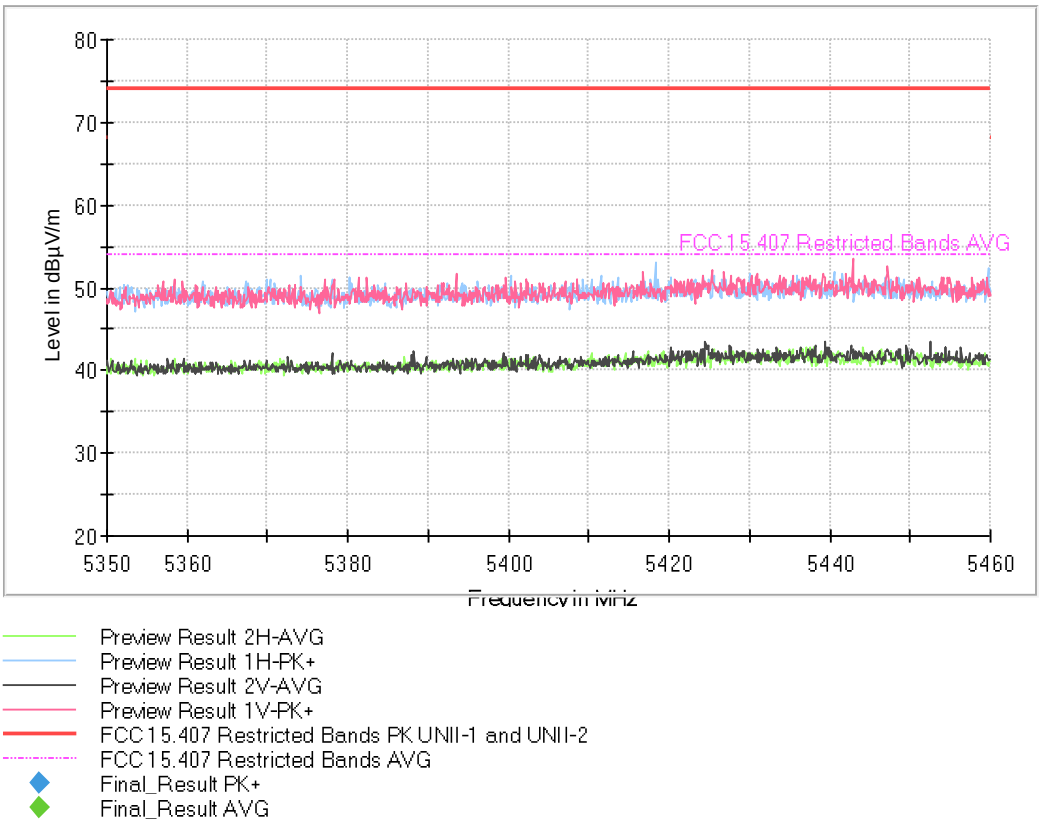
Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG



Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Straddle Channel 144 (5720 MHz):

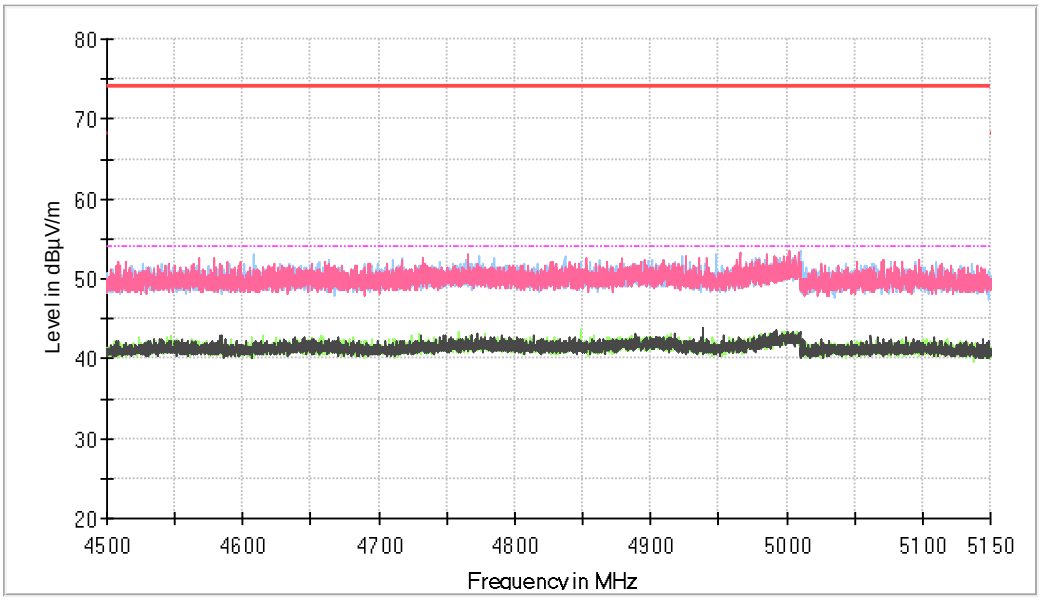




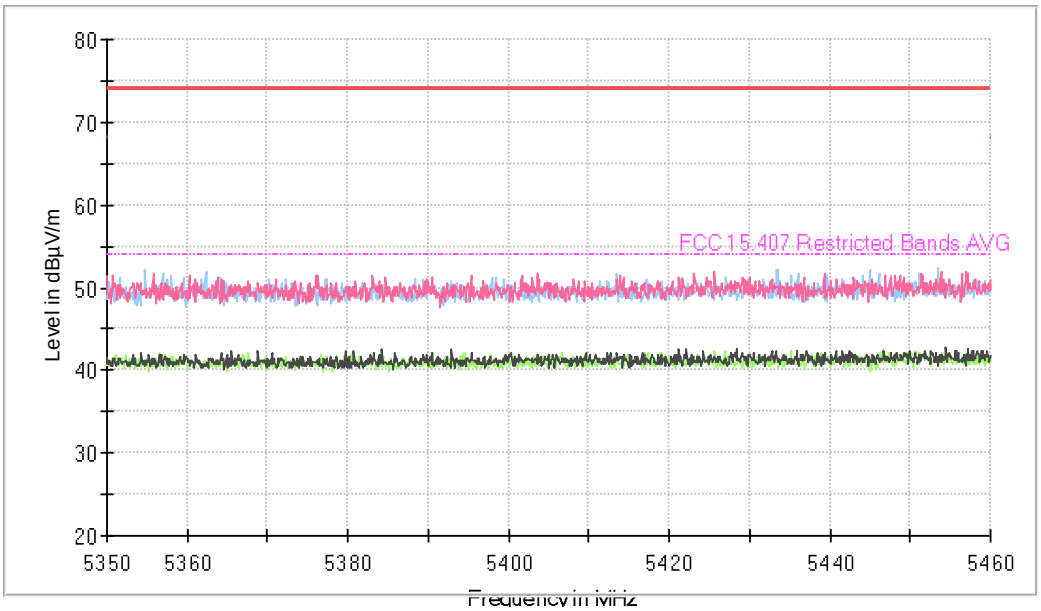
- **MIMO 802.11 n40:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge and Upper Band Edge Channel 102 (5510 MHz):

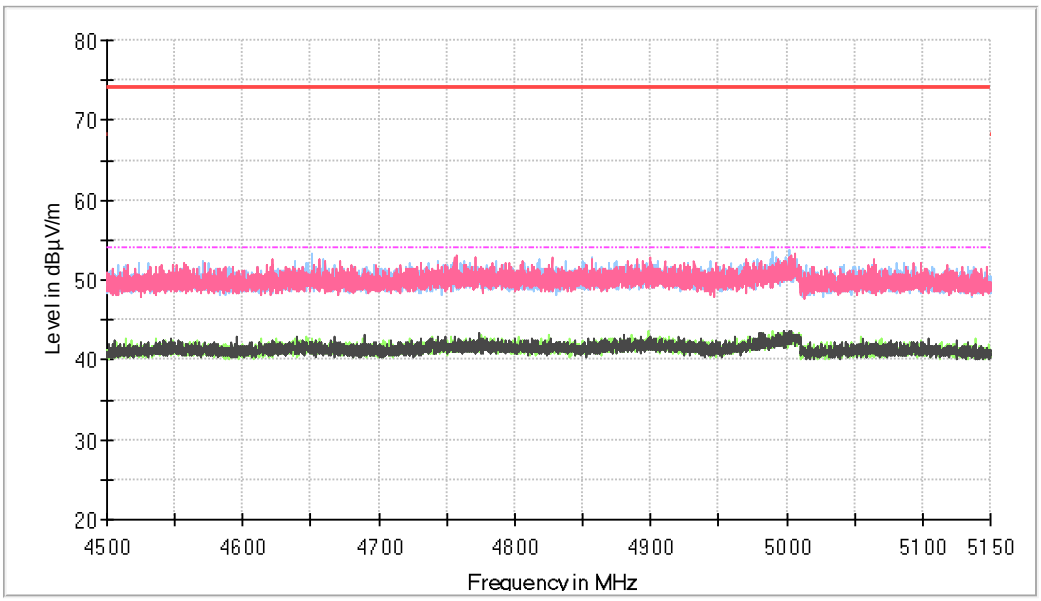


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

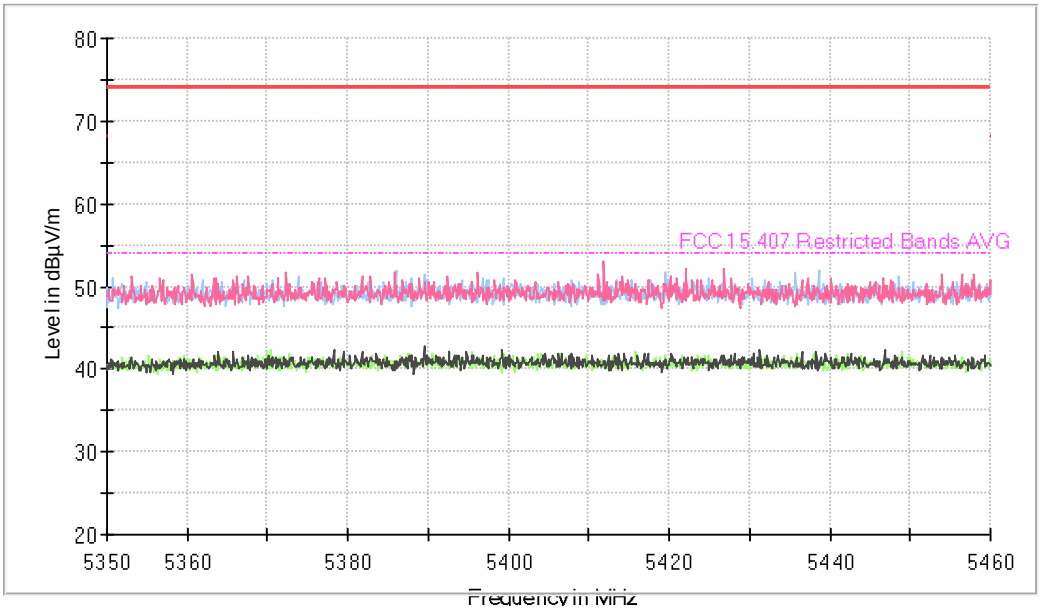


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Channel 134 (5670 MHz):

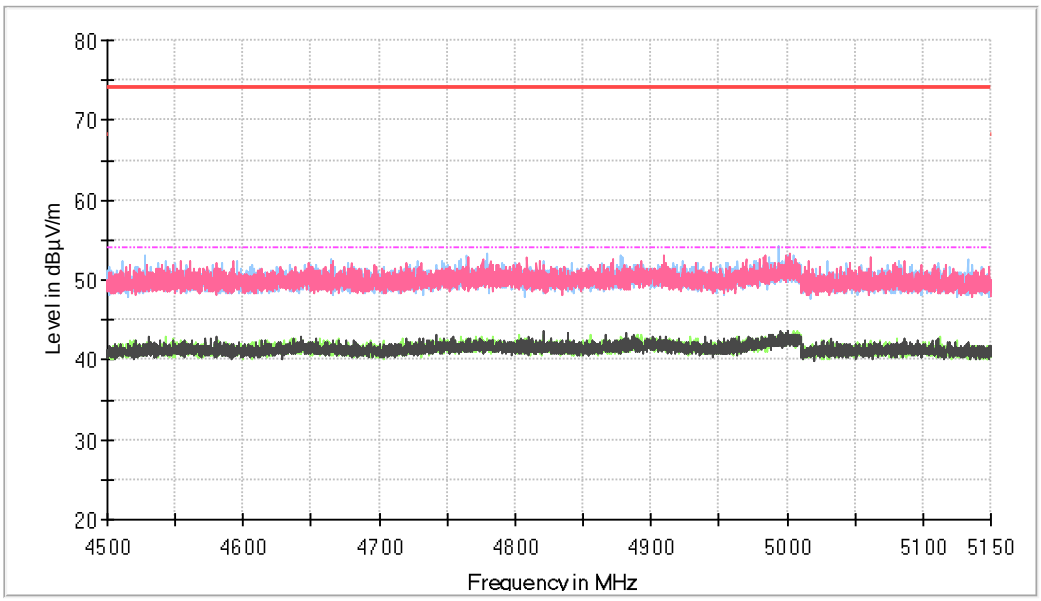


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

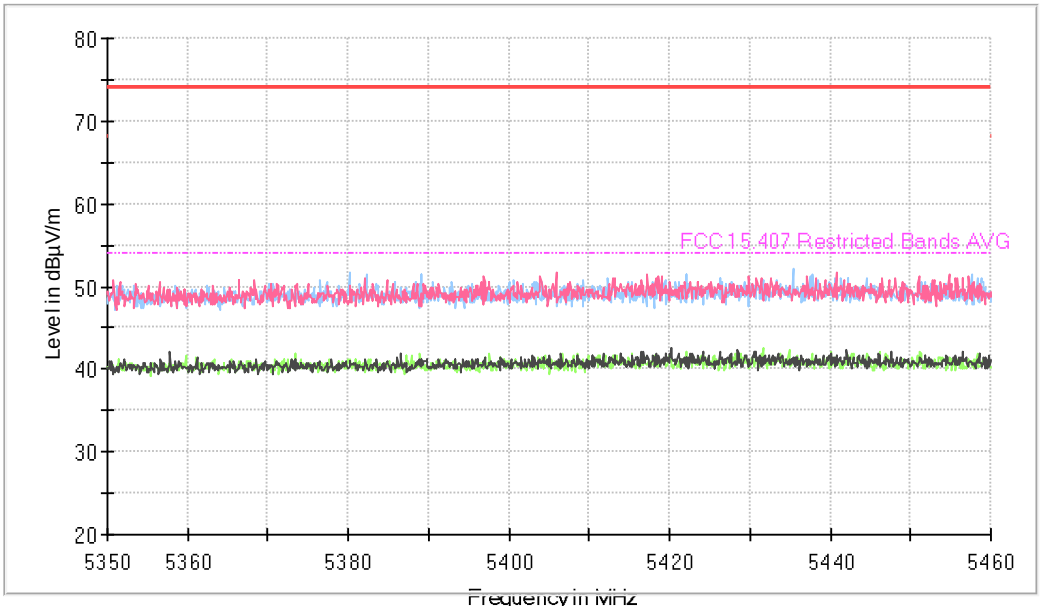


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Straddle Channel 142 (5710 MHz):



Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

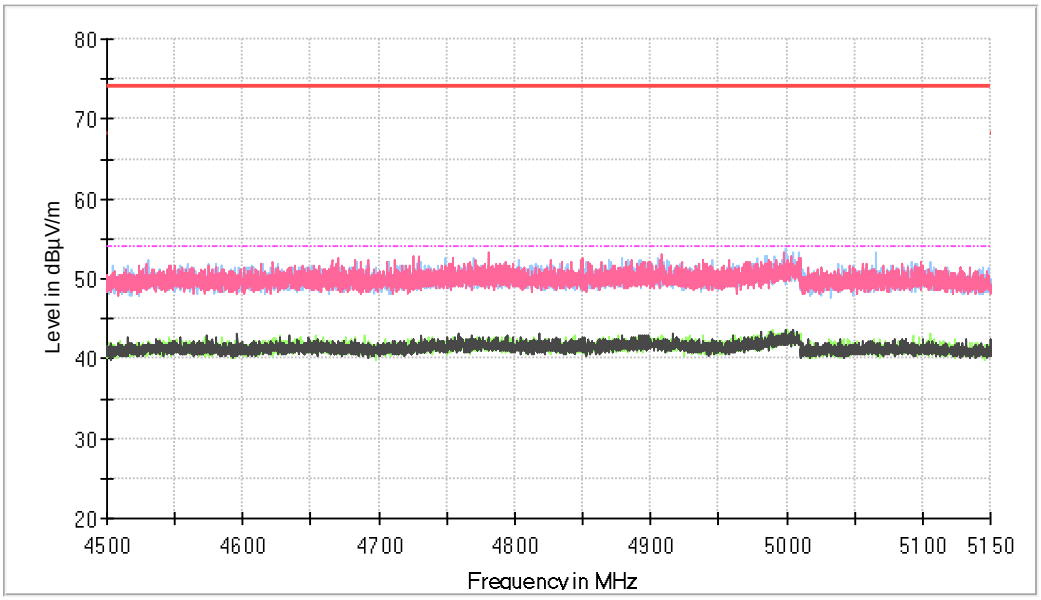


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

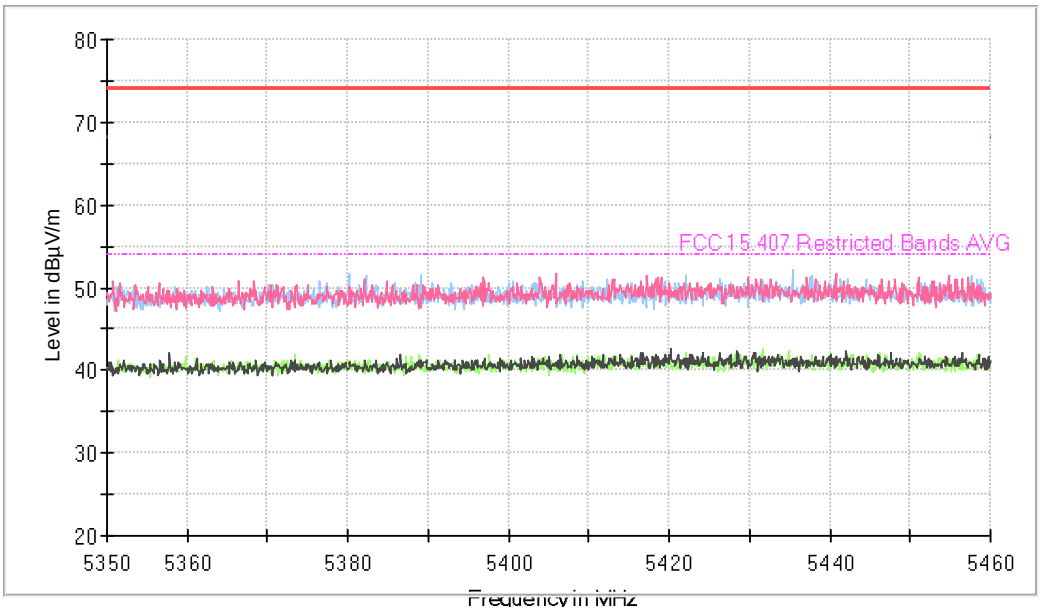
- **MIMO 802.11 ac40:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge and Upper Band Edge Channel 102 (5510 MHz):

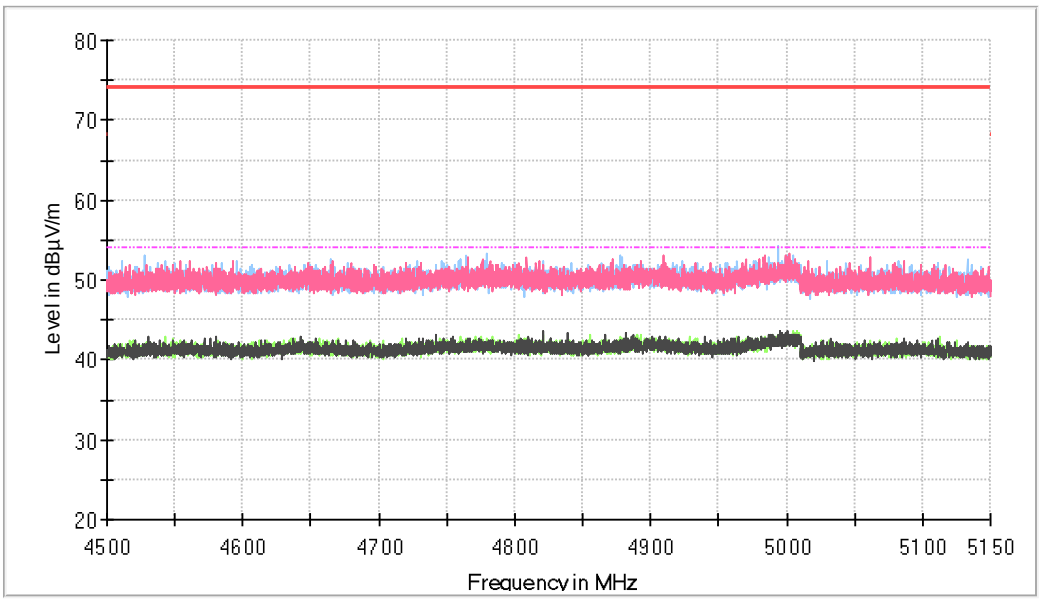


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

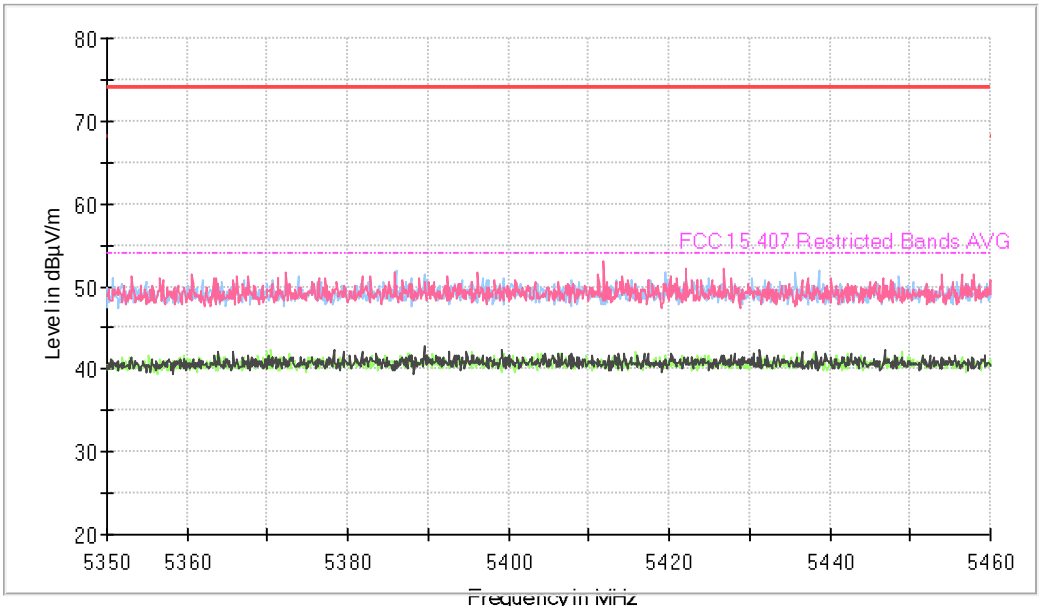


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Channel 134 (5670 MHz):

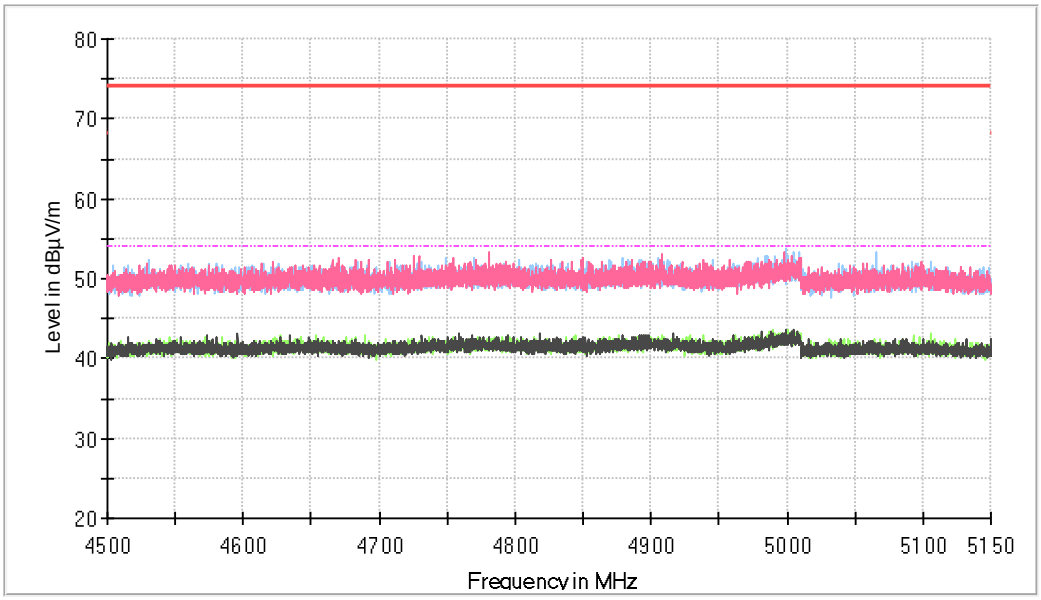


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

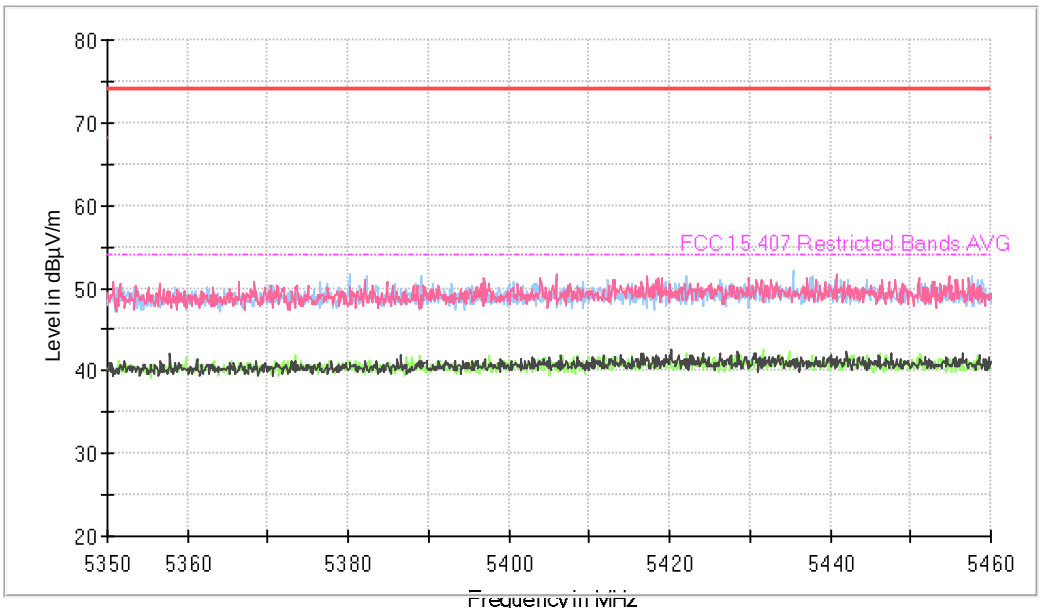


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- Lower Band Edge and Upper Band Edge Straddle Channel 142 (5710 MHz):

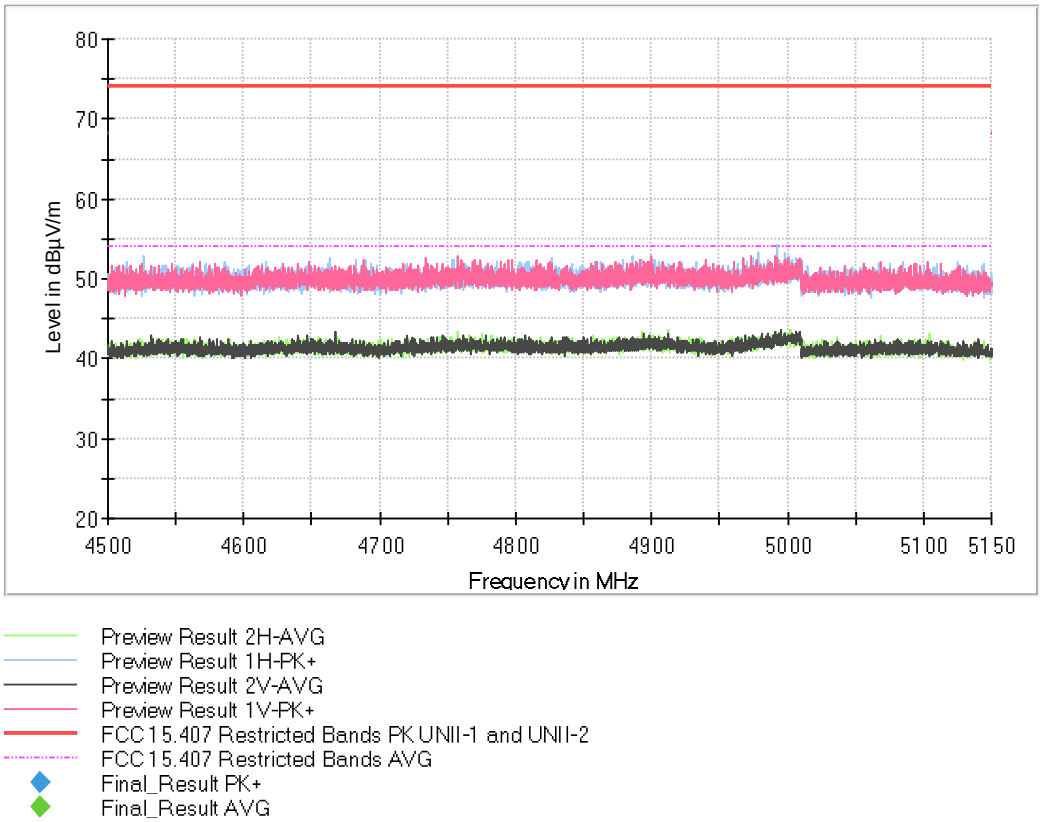
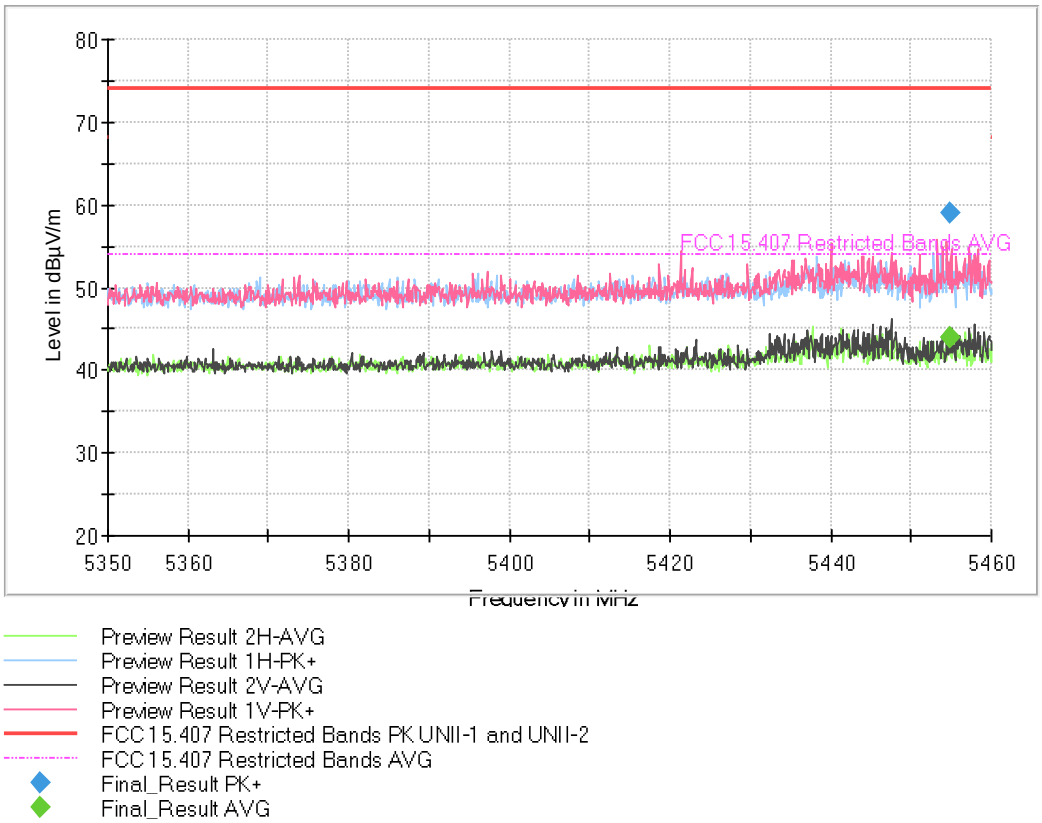


Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG



Preview Result 2H-AVG
Preview Result 1H-PK+
Preview Result 2V-AVG
Preview Result 1V-PK+
FCC 15.407 Restricted Bands PK UNII-1 and UNII-2
FCC 15.407 Restricted Bands AVG
Final_Result PK+
Final_Result AVG

- **MIMO 802.11 ac80:**

U-NII-2C (5470-5725 MHz):

- Lower Band Edge and Upper Band Edge Channel 106 (5530 MHz):