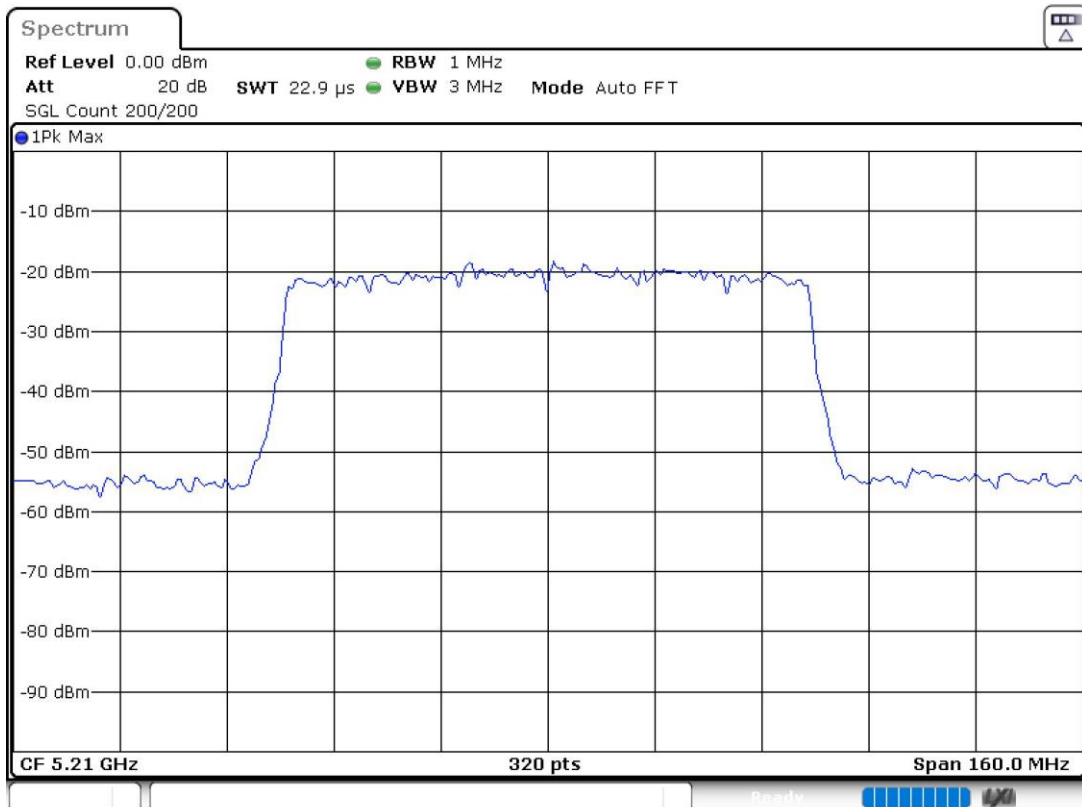
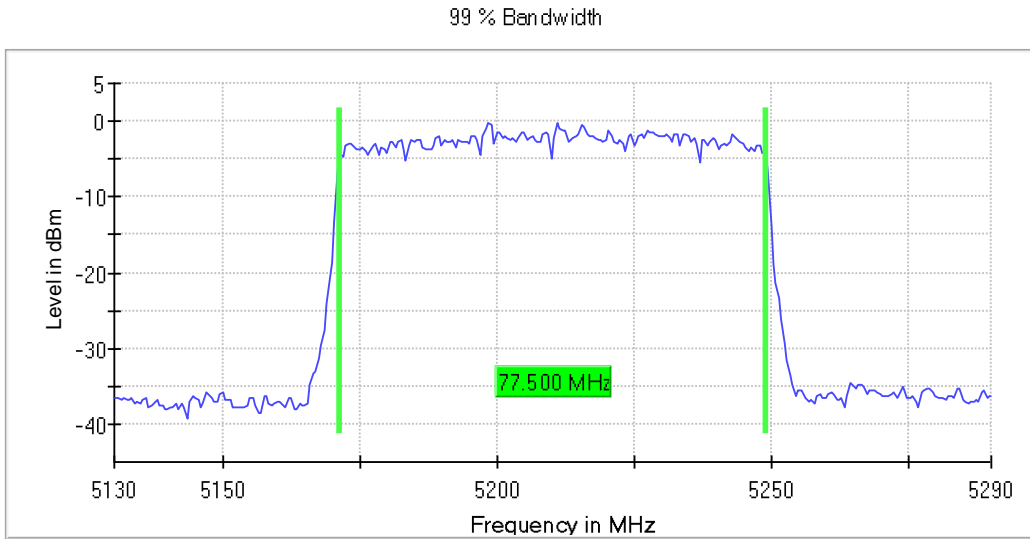


**SISO 802.11 ax80 (HE80) – SU Full-channel allocation:**

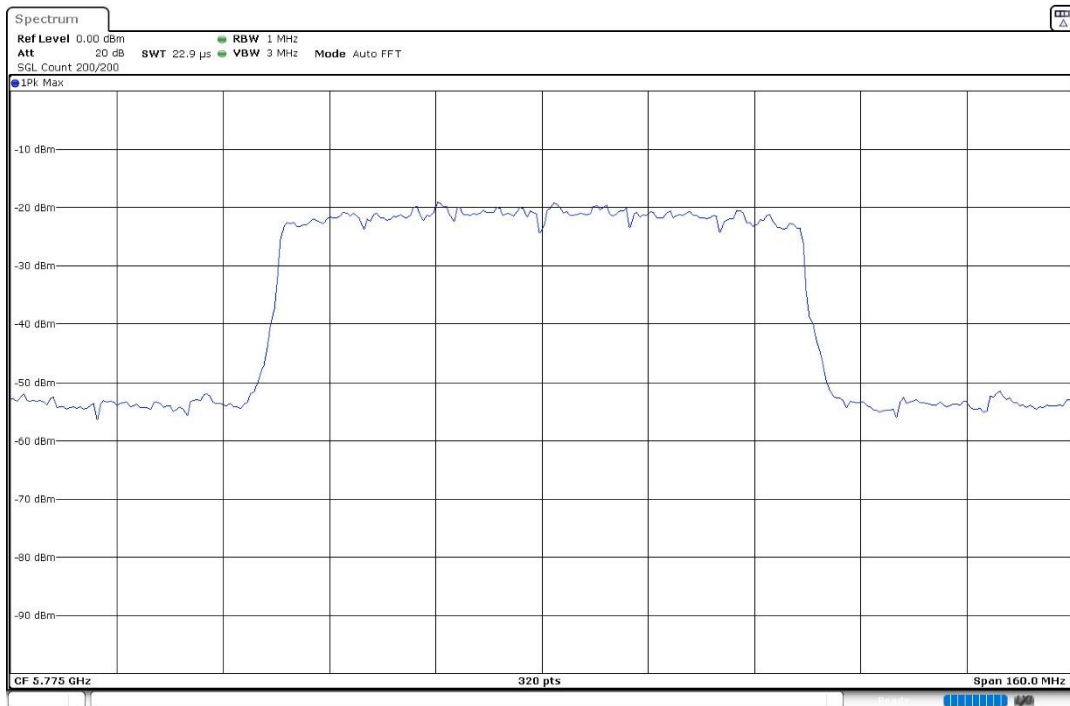
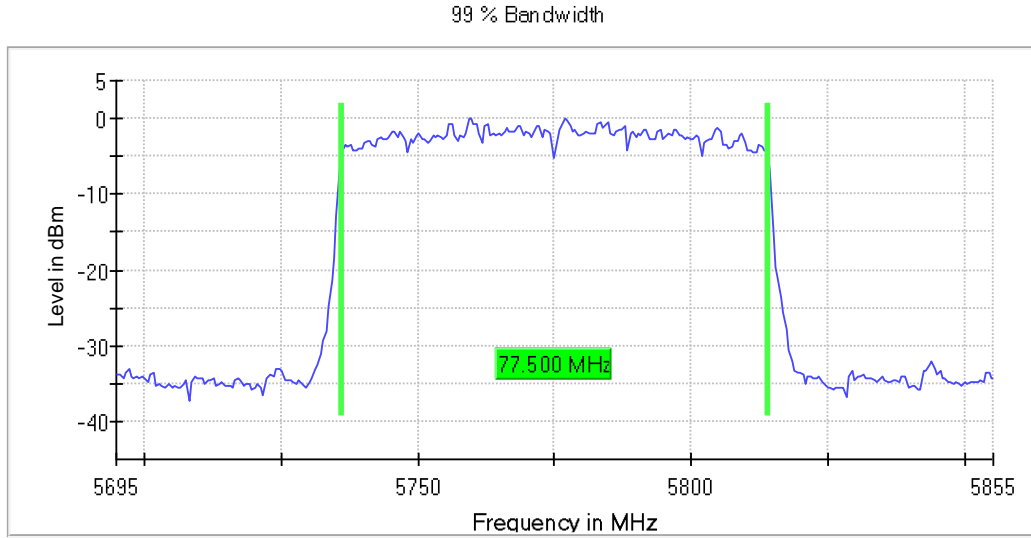
**U-NII-1 (5150-5250 MHz)**

- Single Channel 42 (5210 MHz):



### U-NII-3 (5725-5850 MHz)

- Single Channel 155 (5775 MHz):



**MIMO worst case**

**MIMO 802.11 a20:**

**U-NII-1 (5150-5250 MHz):**

Channels	Low Channel 36 (5180 MHz)	Channel 40 (5200 MHz)	High Channel 48 (5240 MHz)
99% Occupied Bandwidth (MHz)	16.400000	16.400000	16.400000
Measurement uncertainty (kHz)	< ±36.95		

**U-NII-3 (5725-5850 MHz):**

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
99% Occupied Bandwidth (MHz)	16.400000	16.400000	16.400000
Measurement uncertainty (kHz)	< ±36.95		

**MIMO 802.11 n20 (HT20):**

**U-NII-1 (5150-5250 MHz):**

Channels	Low Channel 36 (5180 MHz)	Channel 40 (5200 MHz)	High Channel 48 (5240 MHz)
99% Occupied Bandwidth (MHz)	17.600000	17.600000	17.600000
Measurement uncertainty (kHz)	< ±36.95		

**U-NII-3 (5725-5850 MHz):**

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
99% Occupied Bandwidth (MHz)	17.600000	17.600000	17.600000
Measurement uncertainty (kHz)	< ±36.95		

**MIMO 802.11 ac20 (VHT20):**

**U-NII-1 (5150-5250 MHz):**

Channels	Low Channel 36 (5180 MHz)	Channel 40 (5200 MHz)	High Channel 48 (5240 MHz)
99% Occupied Bandwidth (MHz)	17.600000	17.600000	17.600000
Measurement uncertainty (kHz)	< ±36.95		

**U-NII-3 (5725-5850 MHz):**

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
99% Occupied Bandwidth (MHz)	17.600000	17.600000	17.600000
Measurement uncertainty (kHz)	< ±36.95		

**MIMO 802.11 ax20 (HE20) – SU Full-channel allocation:**

**U-NII-1 (5150-5250 MHz):**

Channels	Low Channel 36 (5180 MHz)	Channel 44 (5220 MHz)	High Channel 48 (5240 MHz)
99% Occupied Bandwidth (MHz)	19.000000	18.900000	18.900000
Measurement uncertainty (kHz)	< ±36.95		

**U-NII-3 (5725-5850 MHz):**

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
99% Occupied Bandwidth (MHz)	18.900000	18.900000	18.900000
Measurement uncertainty (kHz)	< ±36.95		

**MIMO 802.11 ax20 (HE20) – RU Subcarrier allocation (RU26):**

The next RU combinations were tested as worst cases:

- Low Channel: RU26 Offset 0
- Middle Channel: RU26 Offset 4
- High Channel: RU26 Offset 8

**U-NII-1 (5150-5250 MHz):**

Channels	Low Channel 36 (5180 MHz)	Channel 40 (5200 MHz)	High Channel 48 (5240 MHz)
99% Occupied Bandwidth (MHz)	18.500000	17.400000	18.400000
Measurement uncertainty (kHz)	< ±36.95		

**U-NII-3 (5725-5850 MHz):**

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
99% Occupied Bandwidth (MHz)	18.500000	17.300000	18.600000
Measurement uncertainty (kHz)	< ±36.95		

**MIMO 802.11 n40 (HT40):**

**U-NII-1 (5150-5250 MHz):**

Channels	Low Channel 38 (5190 MHz)	High Channel 46 (5230 MHz)
99% Occupied Bandwidth (MHz)	36.000000	36.250000
Measurement uncertainty (kHz)	< ±36.95	

**U-NII-3 (5725-5850 MHz):**

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
99% Occupied Bandwidth (MHz)	36.250000	36.250000
Measurement uncertainty (kHz)	< ±36.95	

**MIMO 802.11 ac40 (VHT40):**

**U-NII-1 (5150-5250 MHz):**

Channels	Low Channel 38 (5190 MHz)	High Channel 46 (5230 MHz)
99% Occupied Bandwidth (MHz)	36.250000	36.250000
Measurement uncertainty (kHz)	< ±36.95	

**U-NII-3 (5725-5850 MHz):**

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
99% Occupied Bandwidth (MHz)	36.000000	36.000000
Measurement uncertainty (kHz)	< ±36.95	

**MIMO 802.11 ax40 (HE40) – SU Full-channel allocation:**

**U-NII-1 (5150-5250 MHz):**

Channels	Low Channel 38 (5190 MHz)	High Channel 46 (5230 MHz)
99% Occupied Bandwidth (MHz)	37.750000	37.750000
Measurement uncertainty (kHz)	< ±36.95	

**U-NII-3 (5725-5850 MHz):**

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
99% Occupied Bandwidth (MHz)	37.750000	37.750000
Measurement uncertainty (kHz)	< ±36.95	

**MIMO 802.11 ax40 (HE40) – RU Subcarrier allocation (RU26):**

The next RU combinations were tested as worst cases:

Low Channel: RU26 Offset 0  
 High Channel: RU26 Offset 17

**U-NII-1 (5150-5250 MHz):**

Channels	Low Channel 38 (5190 MHz)	High Channel 46 (5230 MHz)
99% Occupied Bandwidth (MHz)	38.000000	37.750000
Measurement uncertainty (kHz)	< ±36.95	

**U-NII-3 (5725-5850 MHz):**

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
99% Occupied Bandwidth (MHz)	38.250000	38.000000
Measurement uncertainty (kHz)	< ±36.95	

**MIMO 802.11 ac80 (VHT80):**

**U-NII-1 (5150-5250 MHz):**

Channel	Single Channel 42 (5210 MHz)
99% Occupied Bandwidth (MHz)	75.500000
Measurement uncertainty (kHz)	< ±36.95

**U-NII-3 (5725-5850 MHz):**

Channel	Single Channel 155 (5775 MHz)
99% Occupied Bandwidth (MHz)	75.500000
Measurement uncertainty (kHz)	< ±36.95

**MIMO 802.11 ax80 (HE80) – SU Full-channel allocation:**

**U-NII-1 (5150-5250 MHz):**

Channel	Single Channel 42 (5210 MHz)
99% Occupied Bandwidth (MHz)	77.500000
Measurement uncertainty (kHz)	< ±36.95

**U-NII-3 (5725-5850 MHz):**

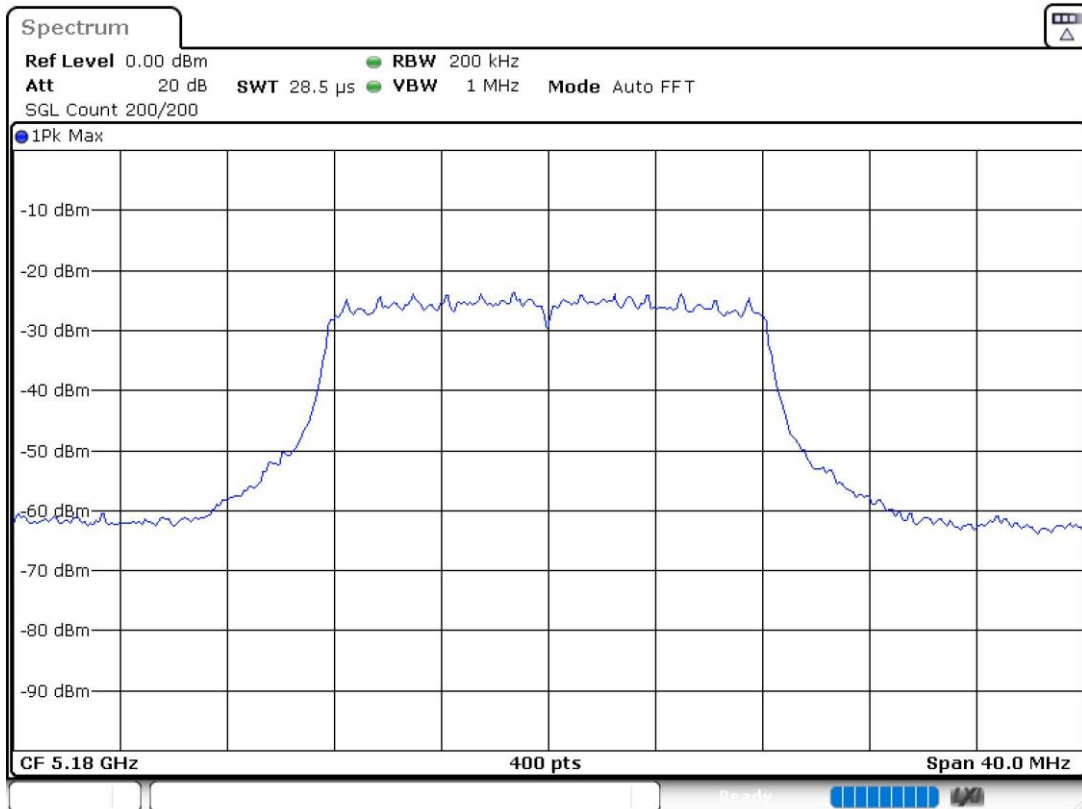
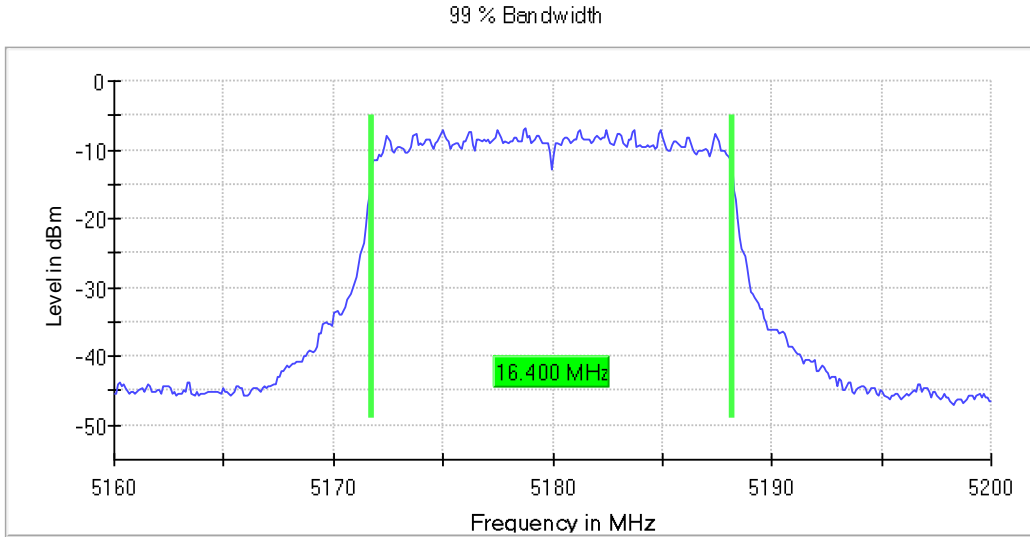
Channel	Single Channel 155 (5775 MHz)
99% Occupied Bandwidth (MHz)	77.500000
Measurement uncertainty (kHz)	< ±36.95

**MIMO**

**MIMO 802.11 a20:**

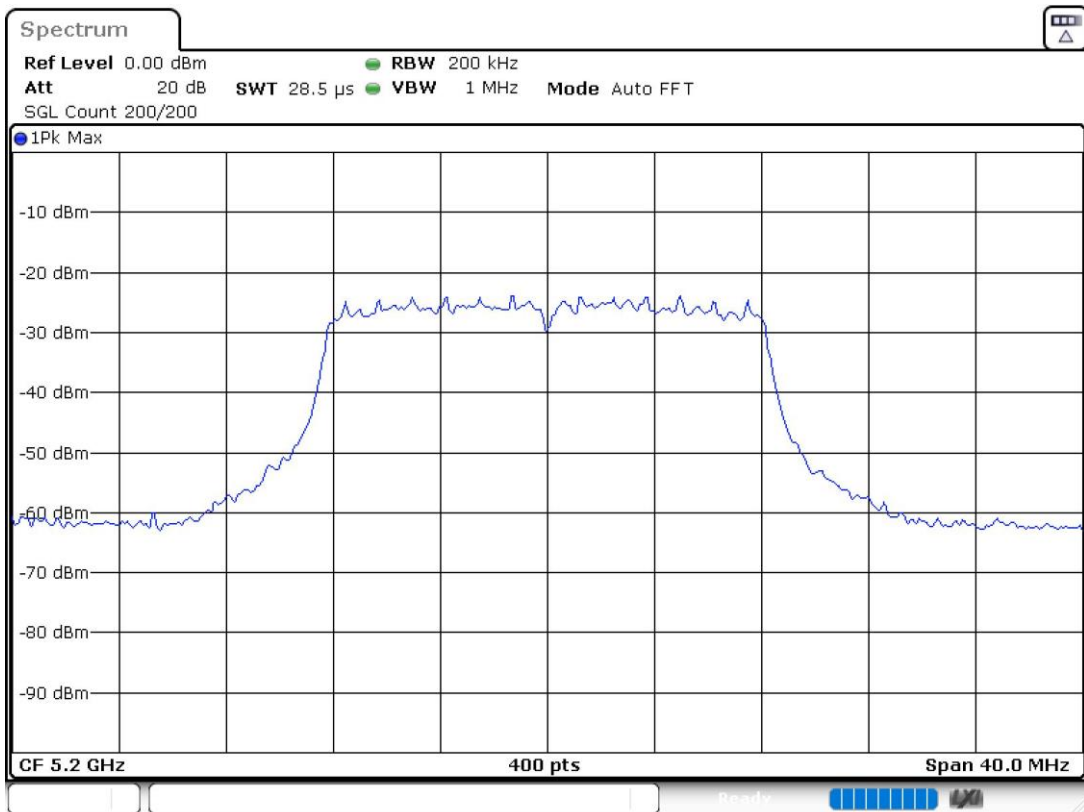
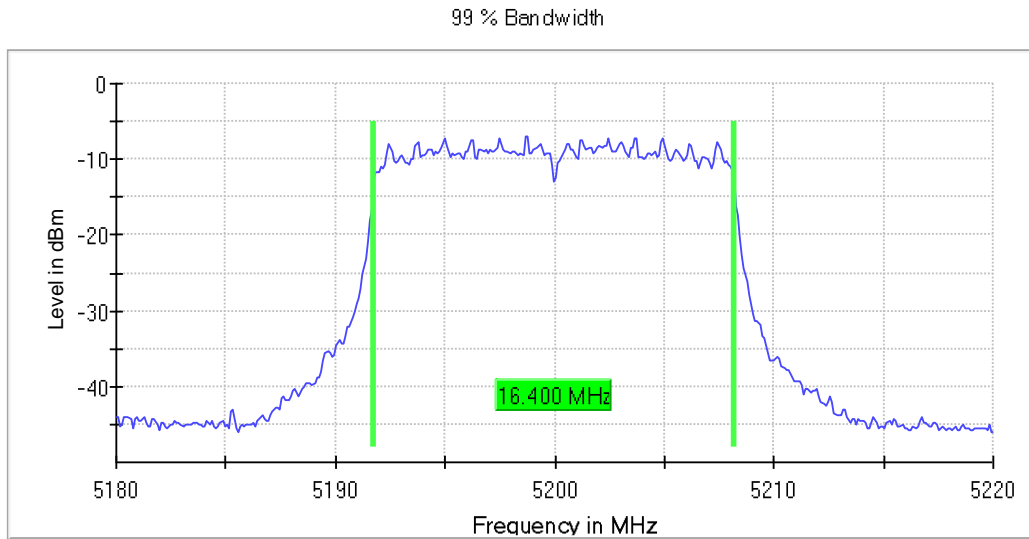
**U-NII-1 (5150-5250 MHz)**

- Low Channel 36 (5180 MHz):

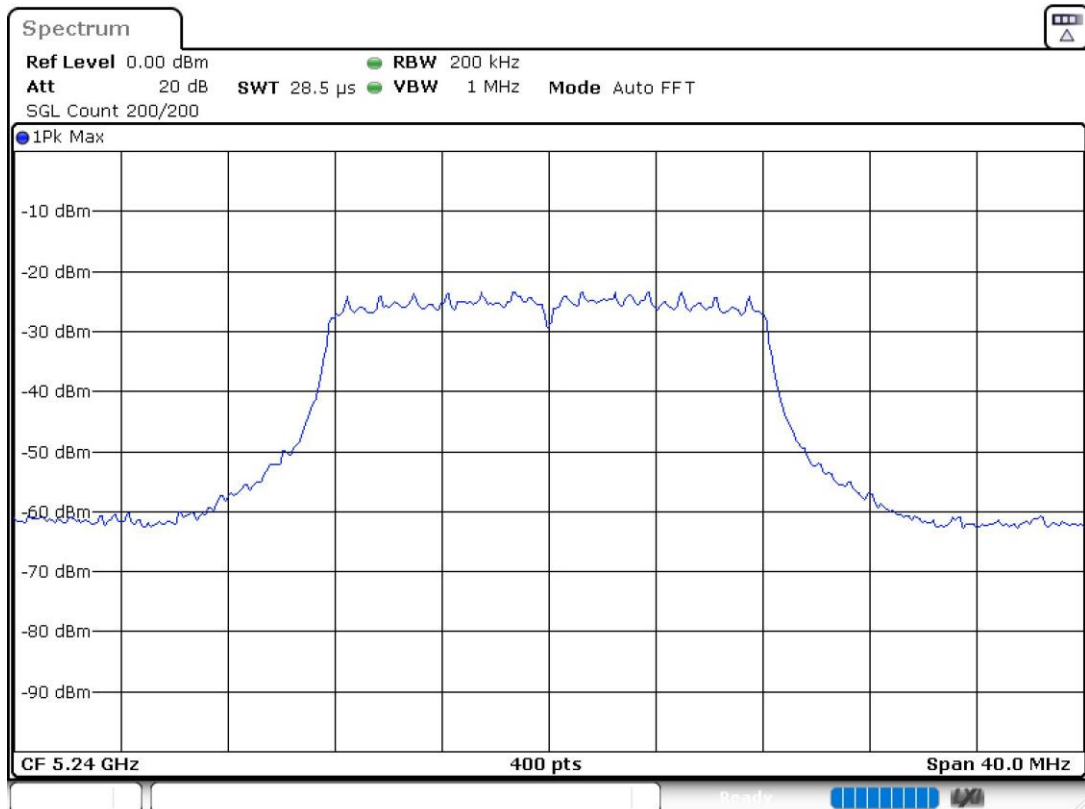
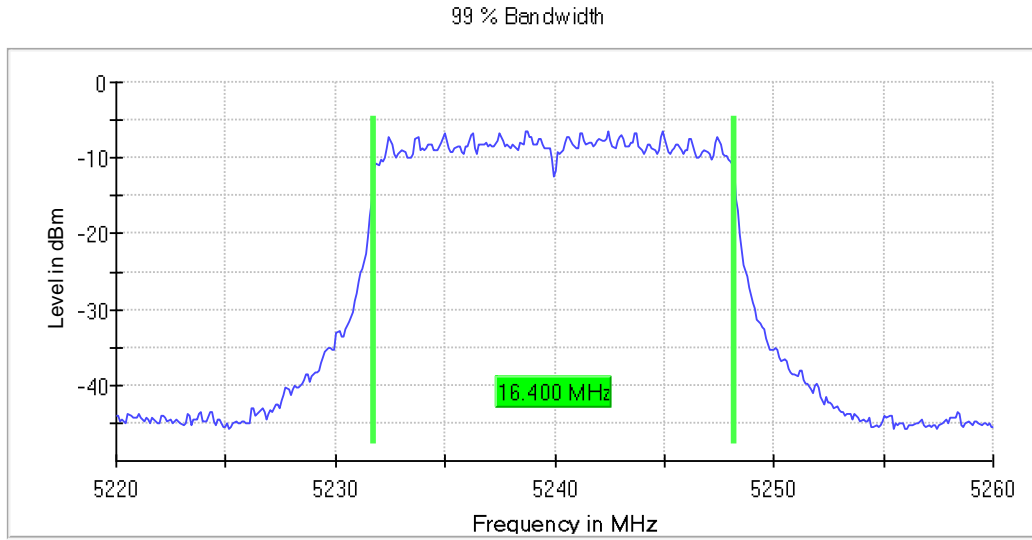




- Middle Channel 40 (5200 MHz):

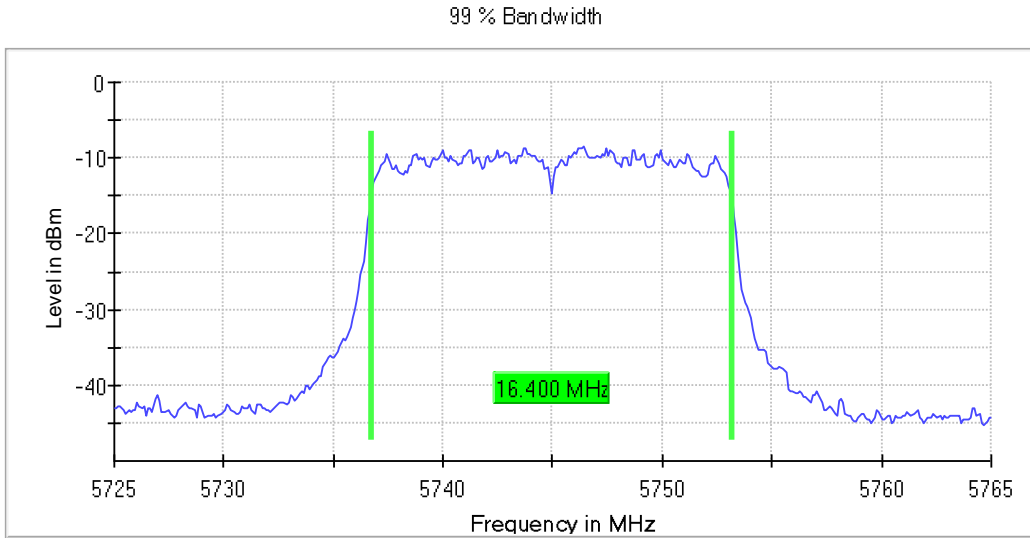


- High Channel 48 (5240 MHz):



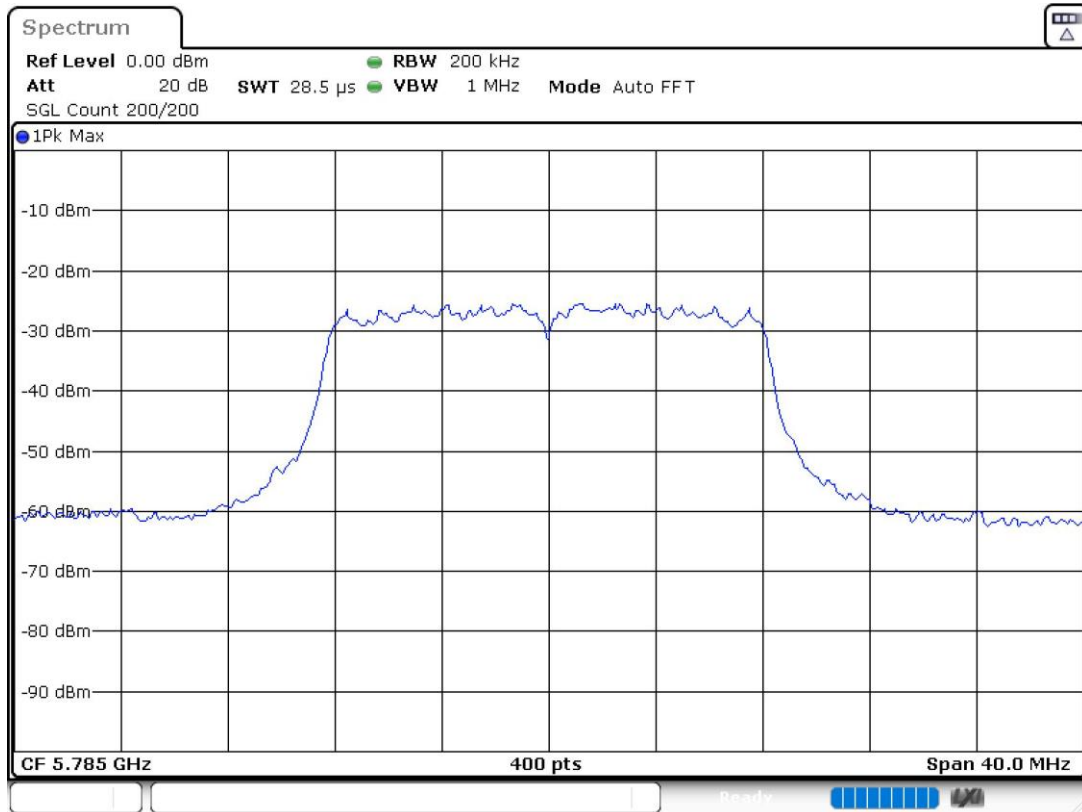
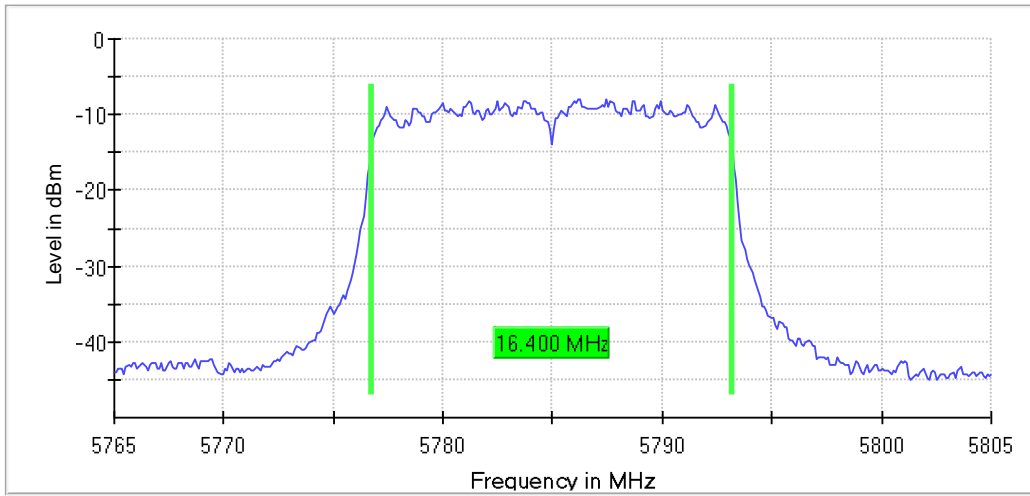
**U-NII-3 (5725-5850 MHz)**

- Low Channel 149 (5745 MHz):



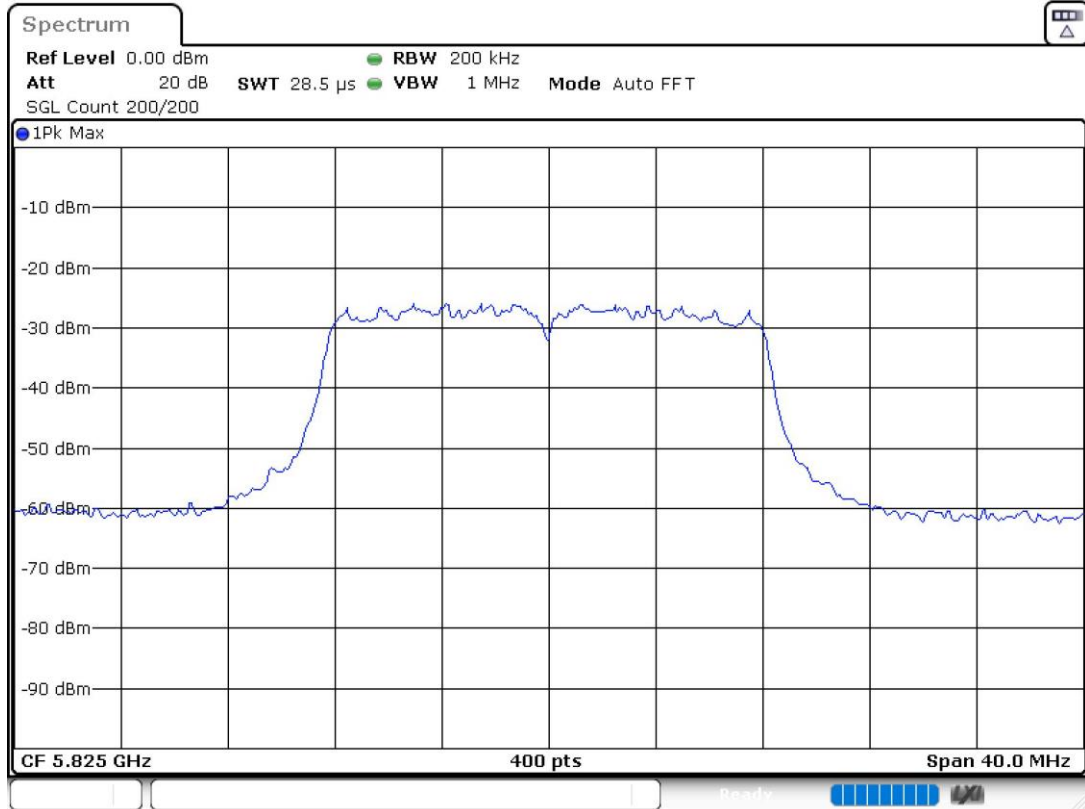
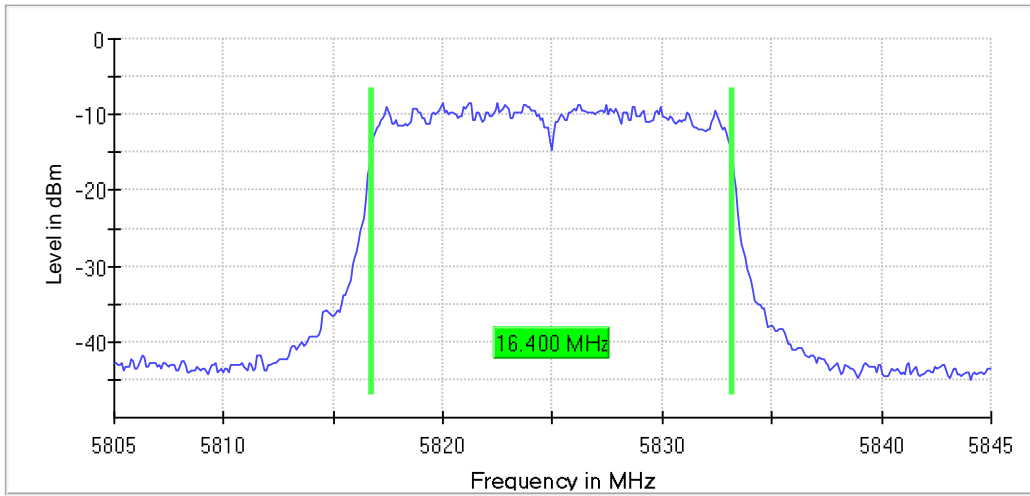
- Middle Channel 157 (5785 MHz):

99 % Bandwidth



- High Channel 165 (5825 MHz):

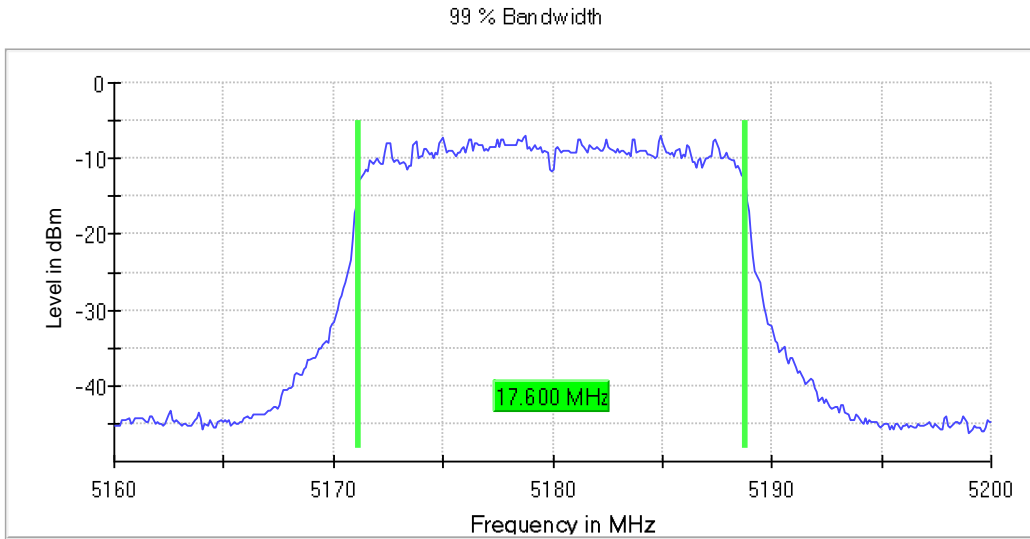
99 % Bandwidth



**MIMO 802.11 n20 (HT20):**

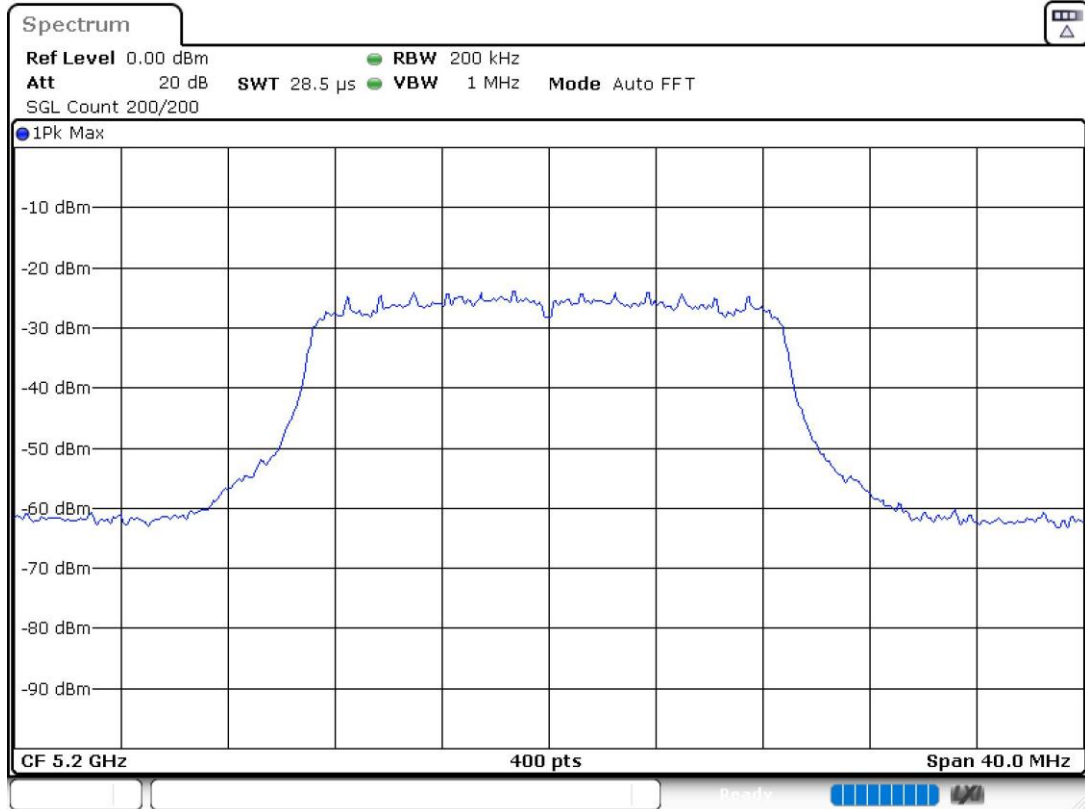
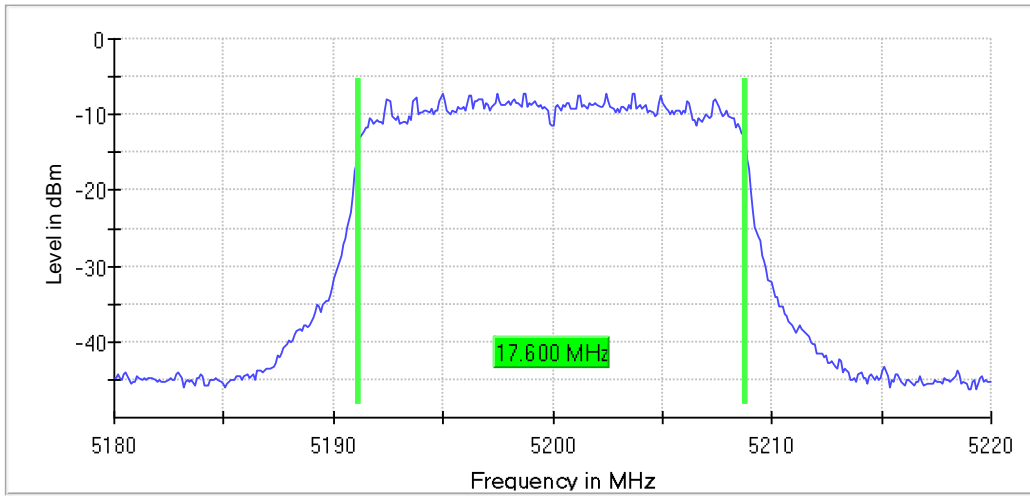
**U-NII-1 (5150-5250 MHz)**

- Low Channel 36 (5180 MHz):



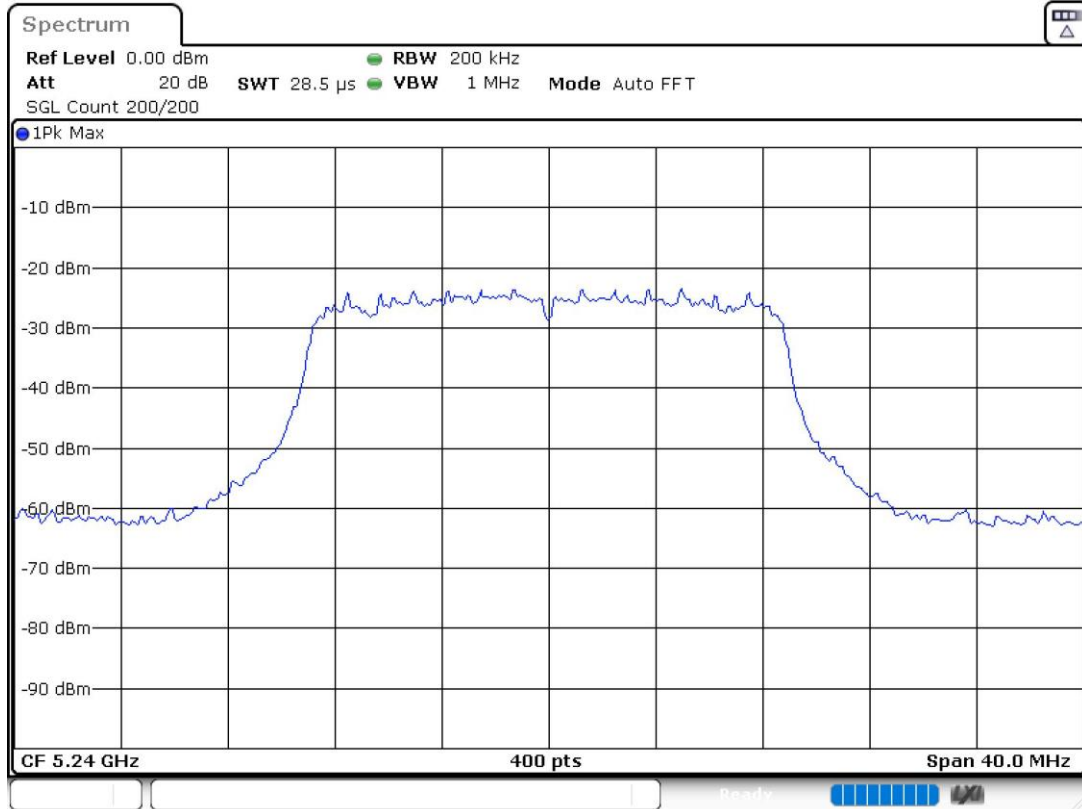
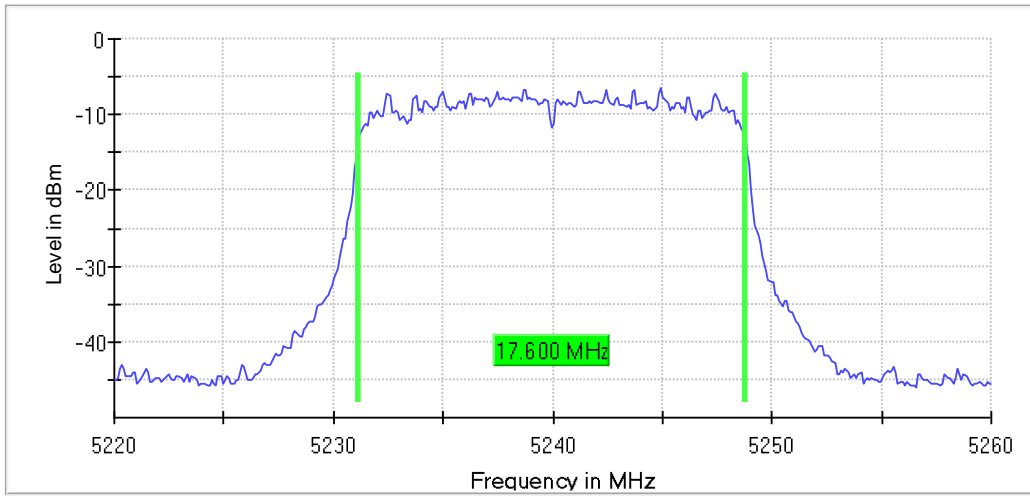
- Channel 40 (5200 MHz):

99 % Bandwidth



- High Channel 48 (5240 MHz):

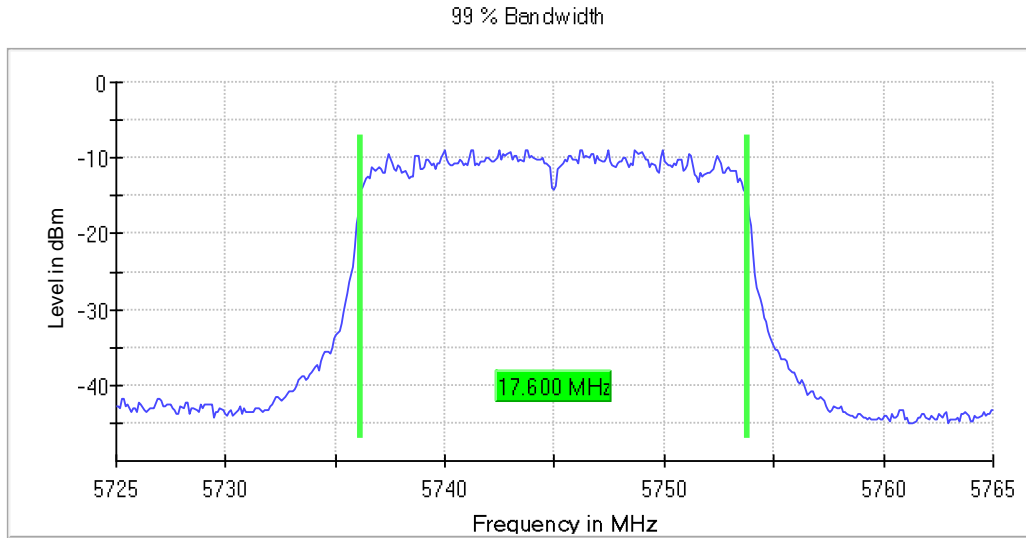
99 % Bandwidth





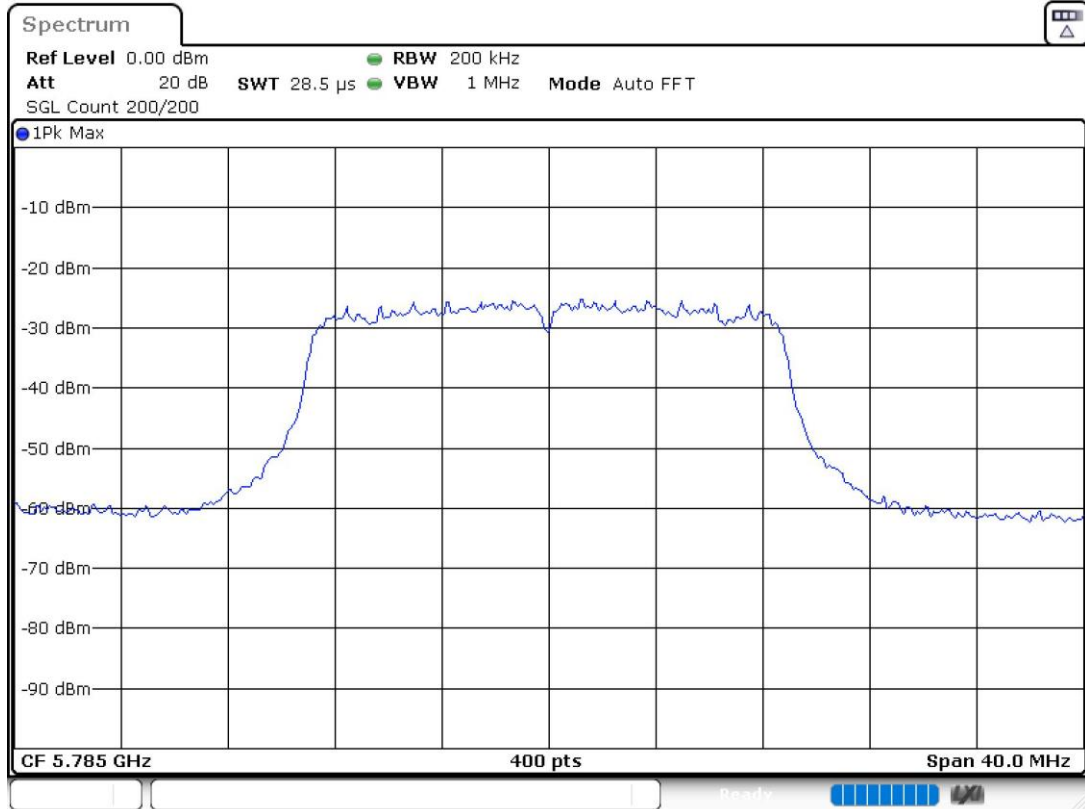
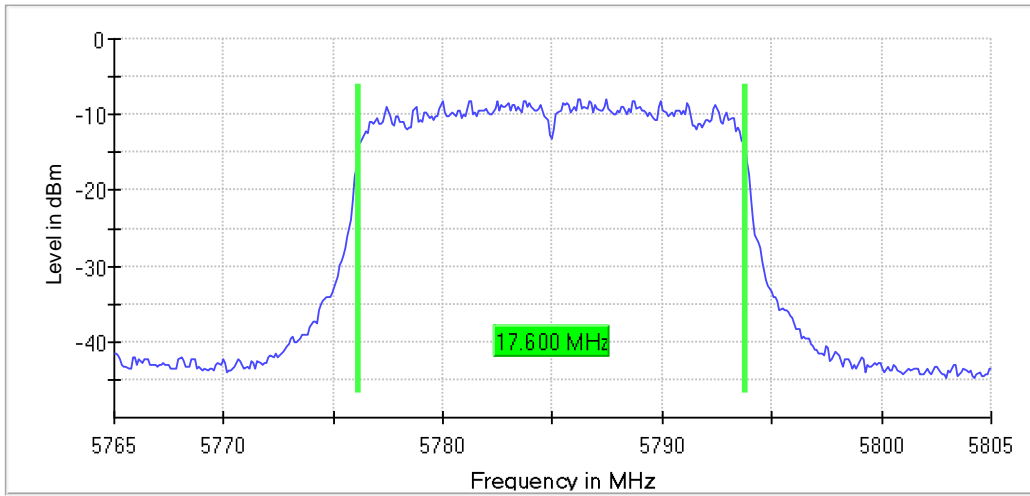
### U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):



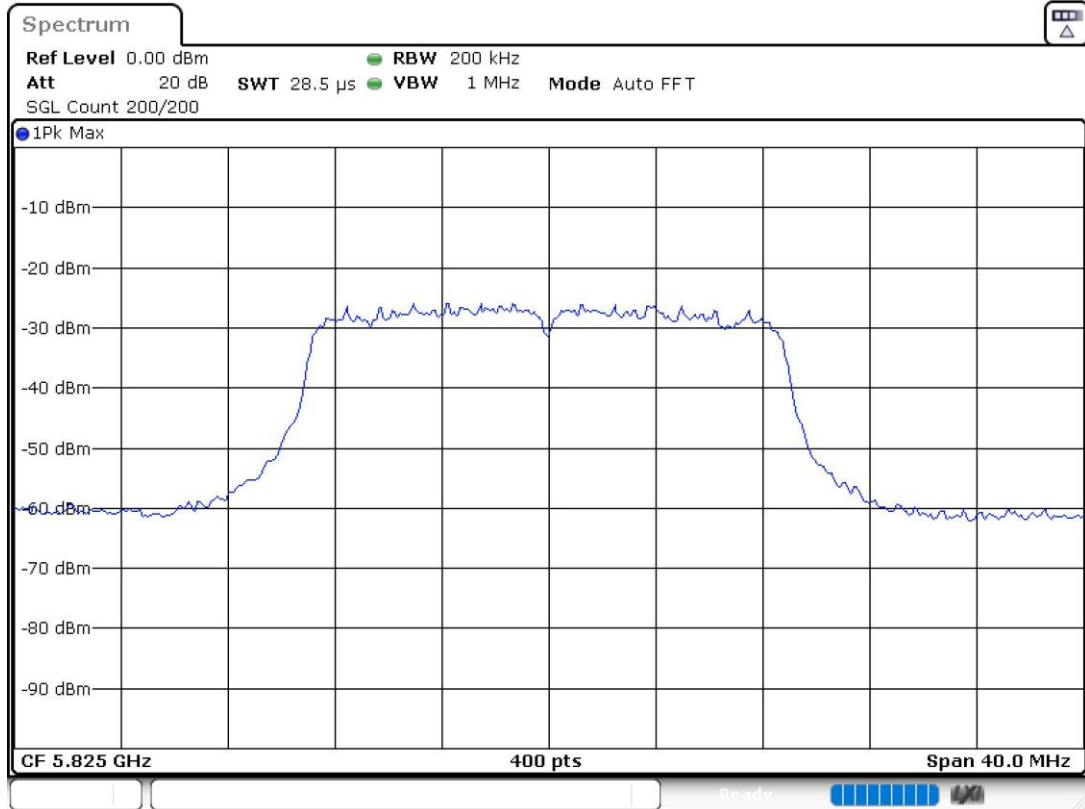
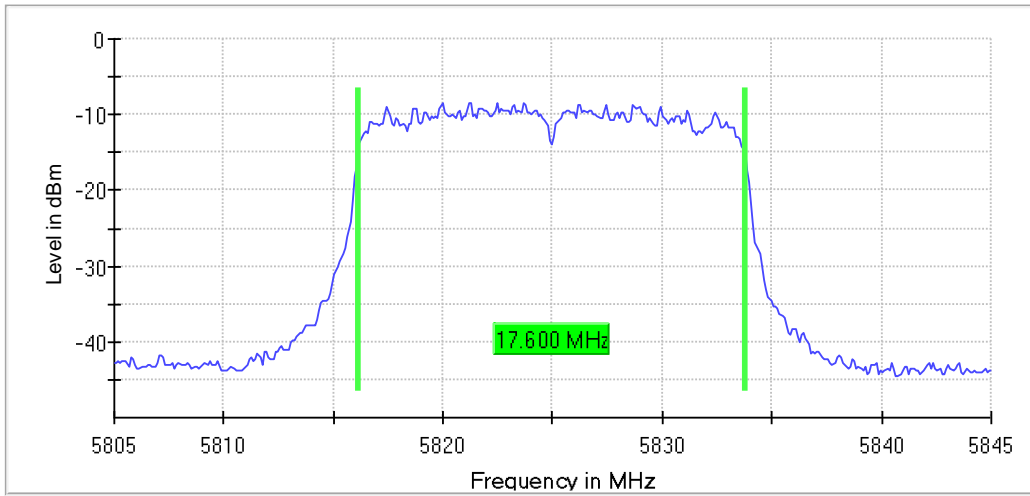
- Middle Channel 157 (5785 MHz):

99 % Bandwidth



- High Channel 165 (5825 MHz):

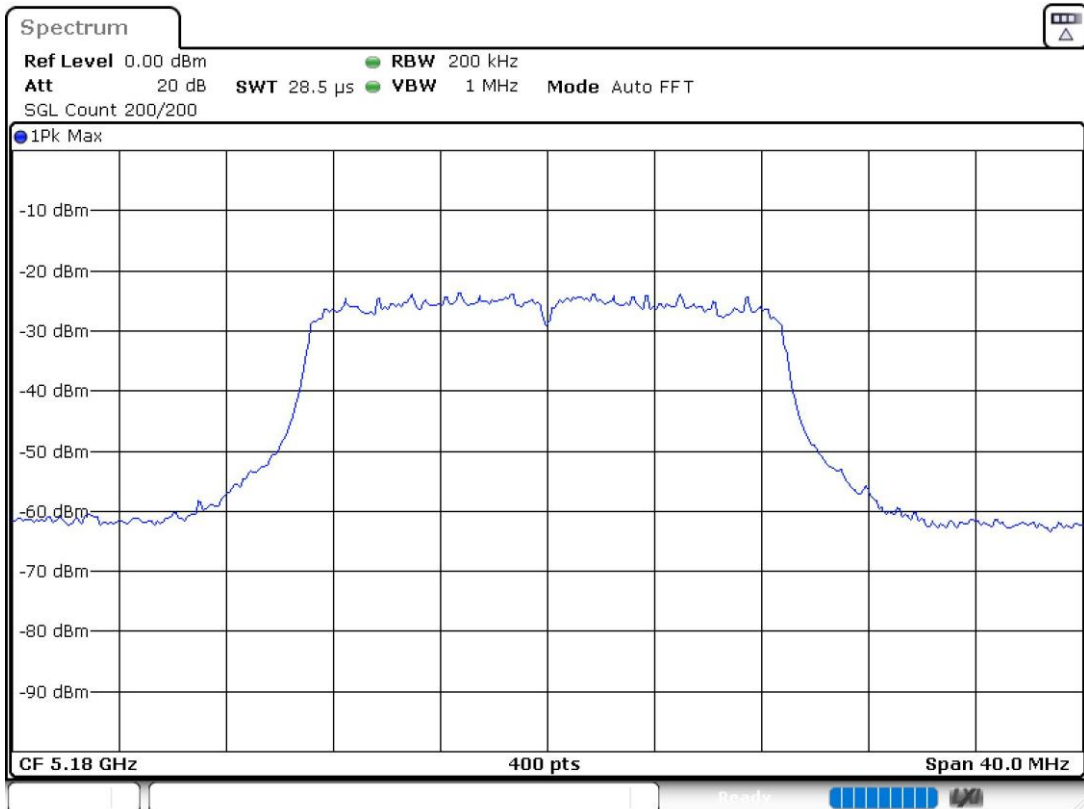
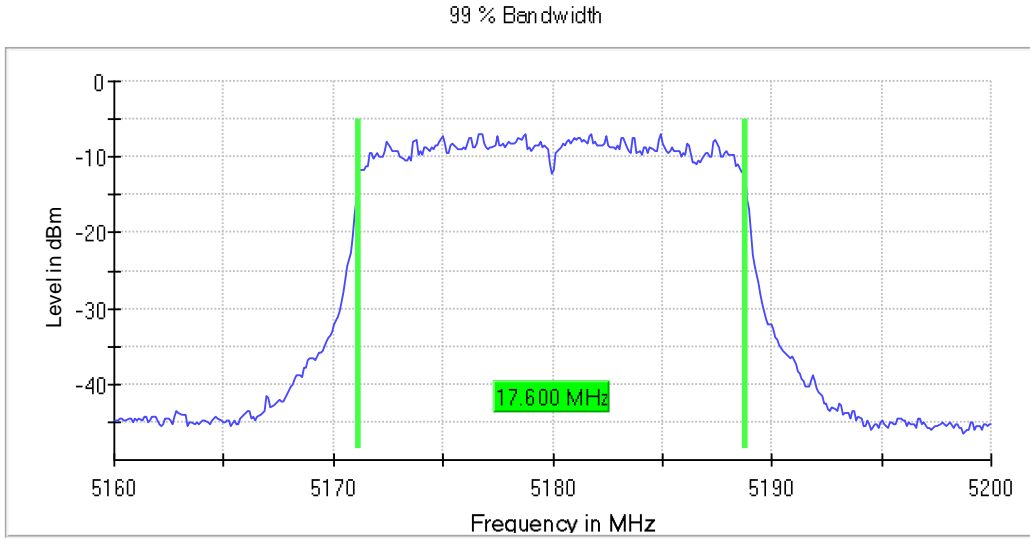
99 % Bandwidth



**MIMO 802.11 ac20 (VHT20):**

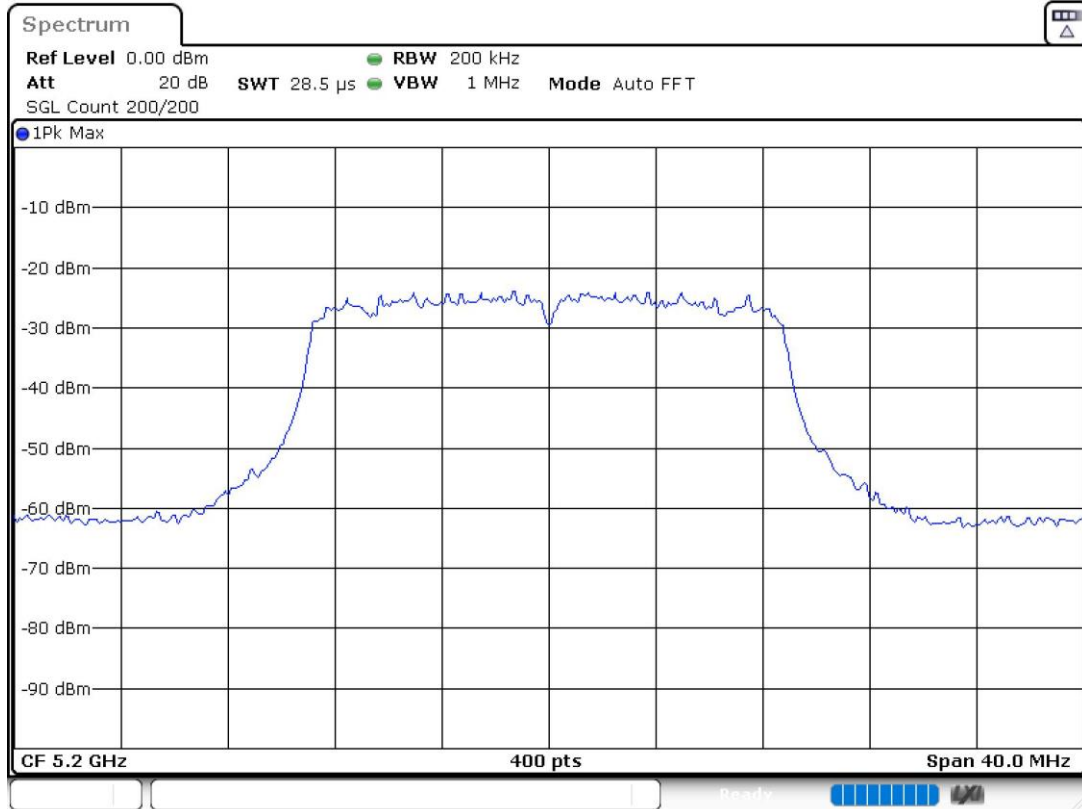
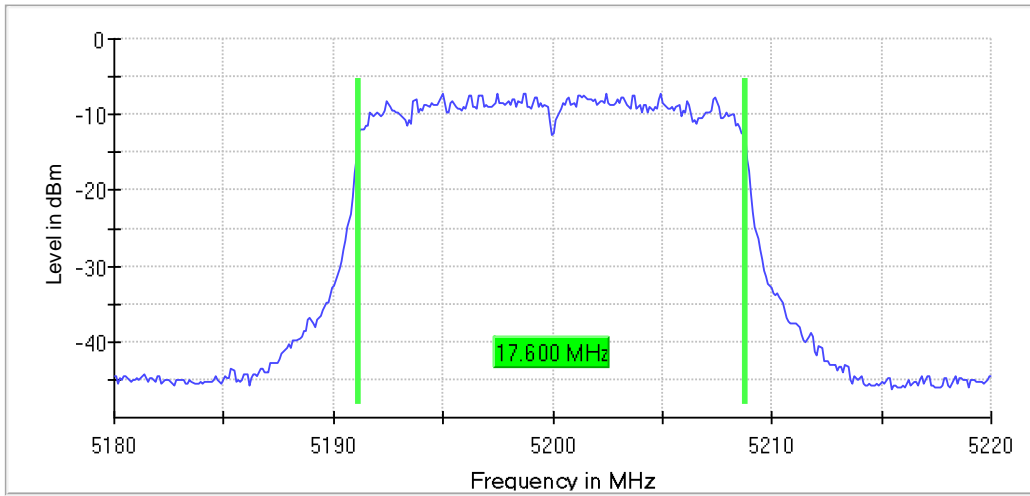
**U-NII-1 (5150-5250 MHz)**

- Low Channel 36 (5180 MHz):

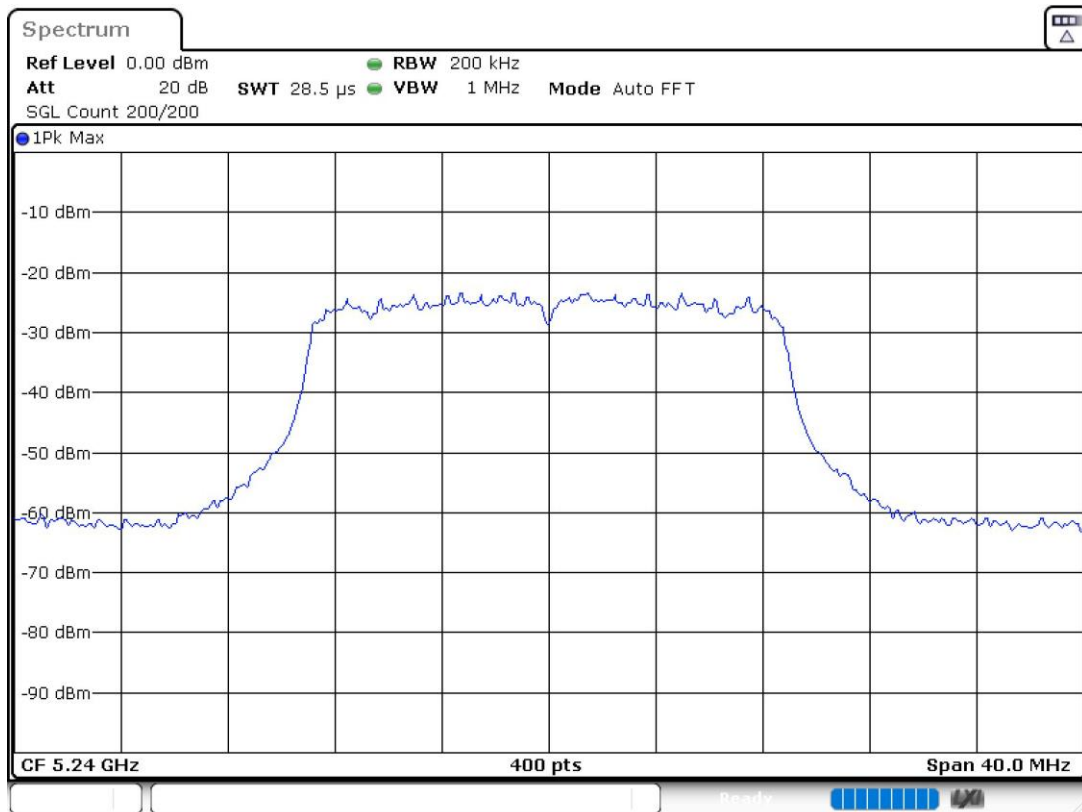
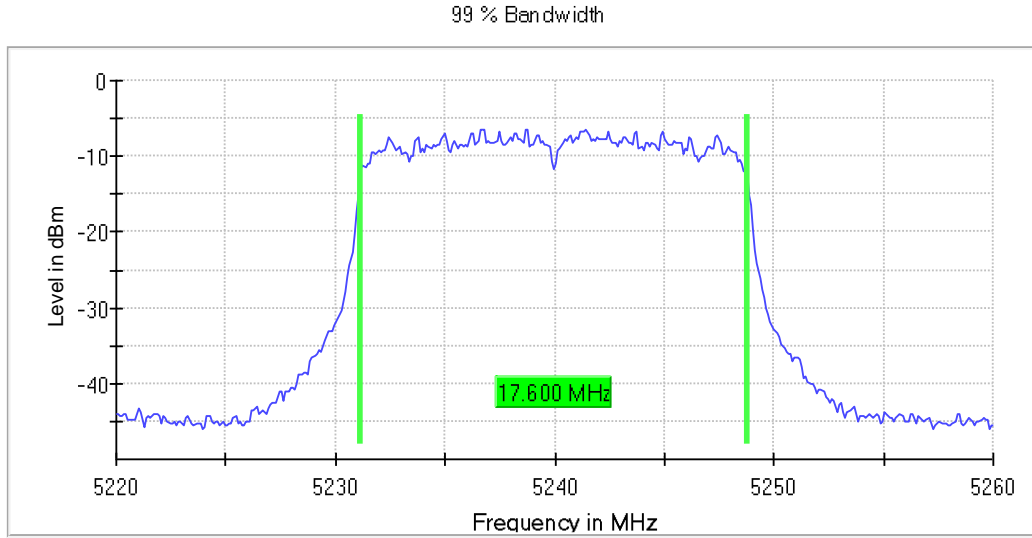


- Channel 40 (5200 MHz):

99 % Bandwidth

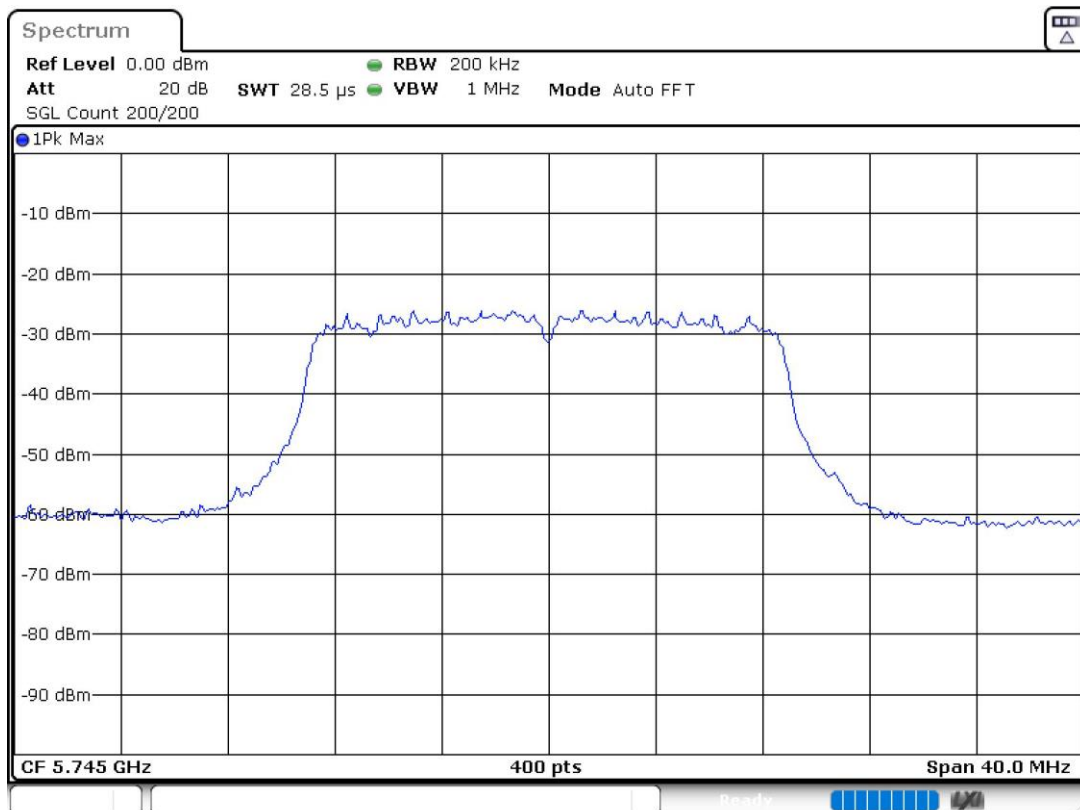
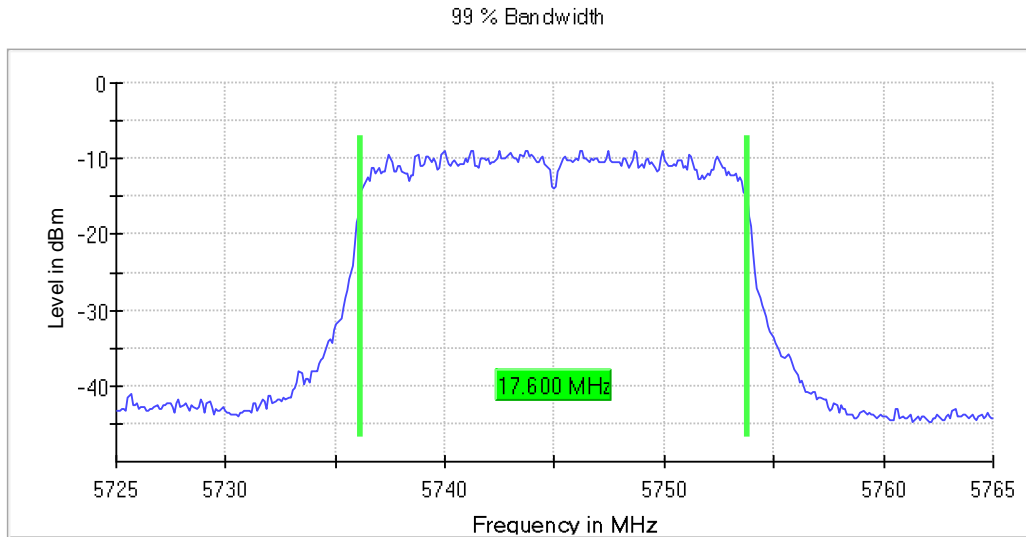


- High Channel 48 (5240 MHz):

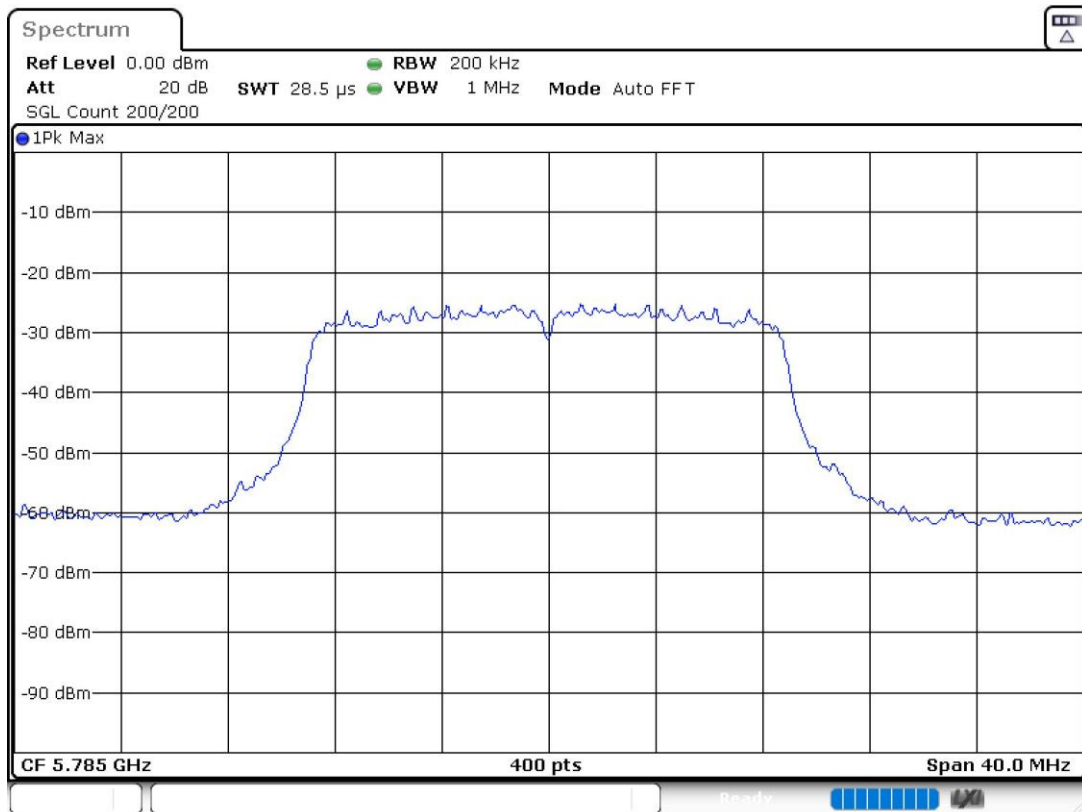
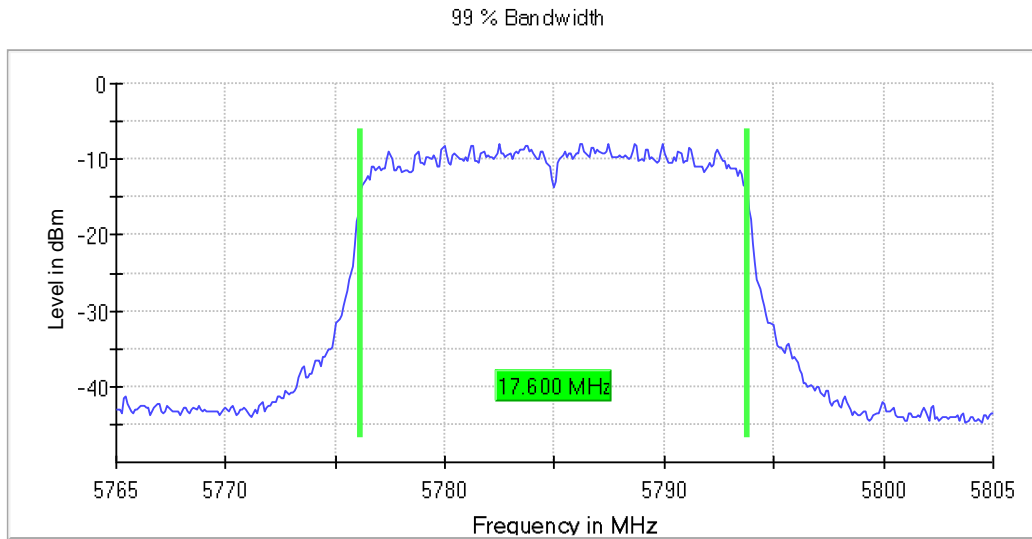


### U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):

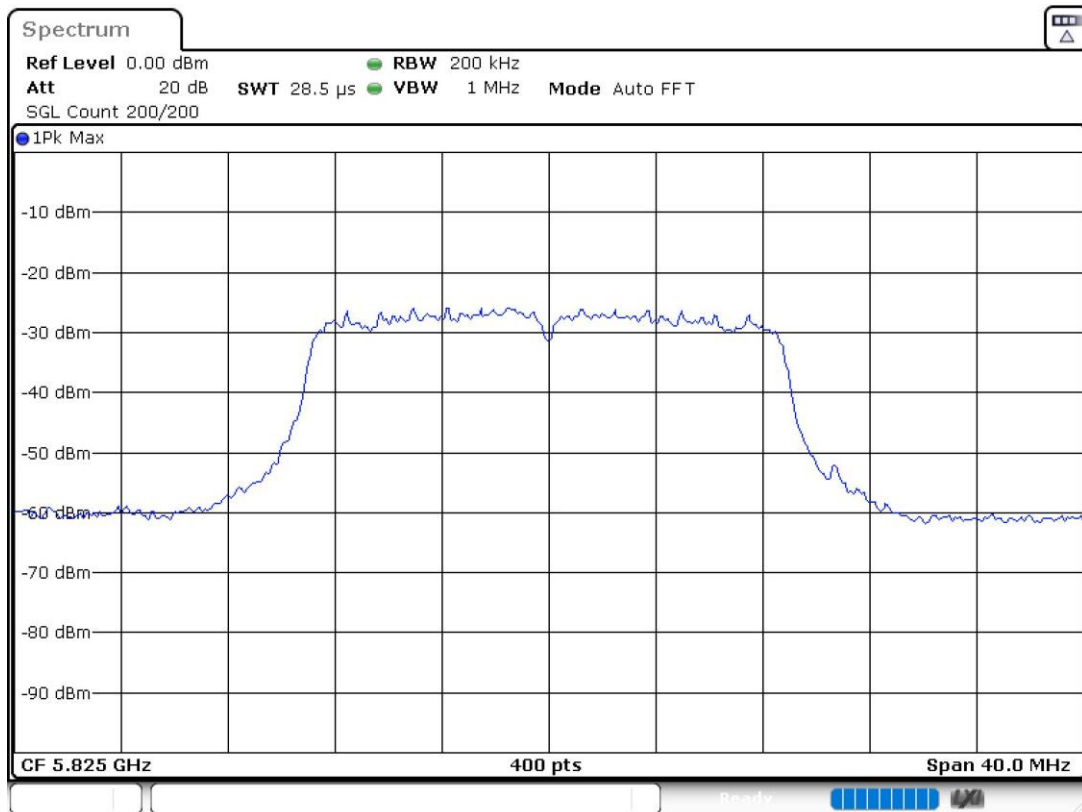
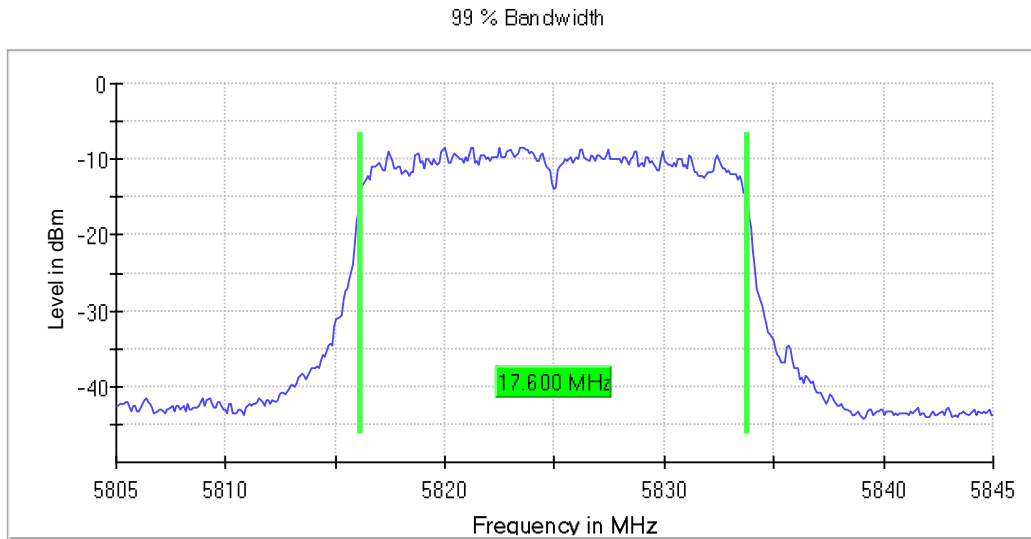


- Middle Channel 157 (5785 MHz):





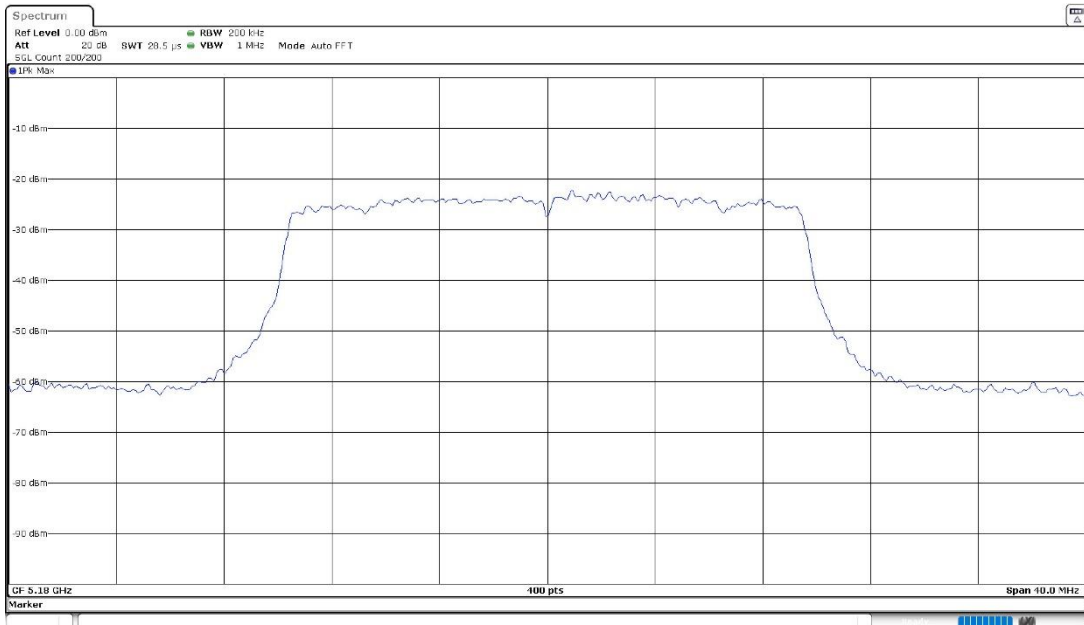
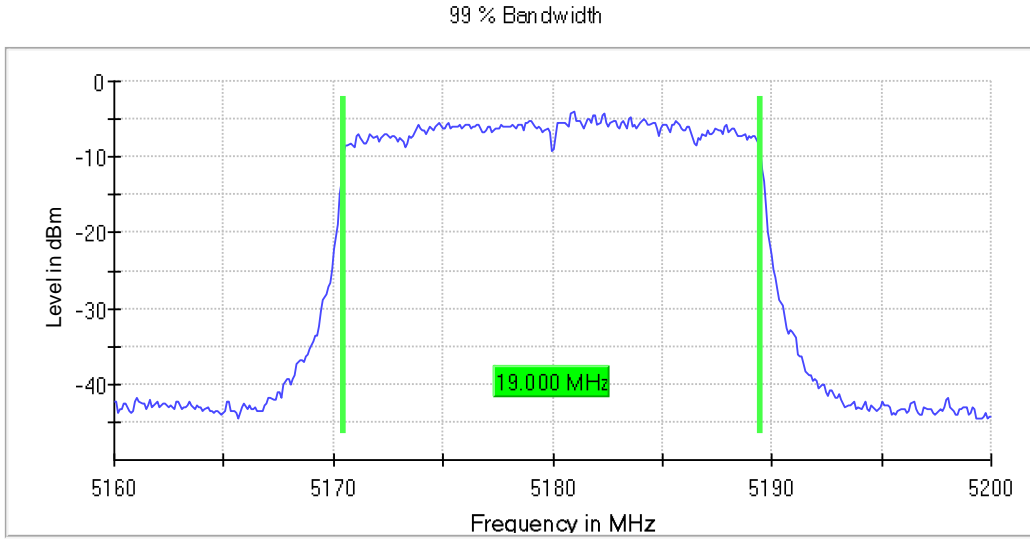
- High Channel 165 (5825 MHz):



**MIMO 802.11 ax20 (HE20) – SU Full-channel allocation:**

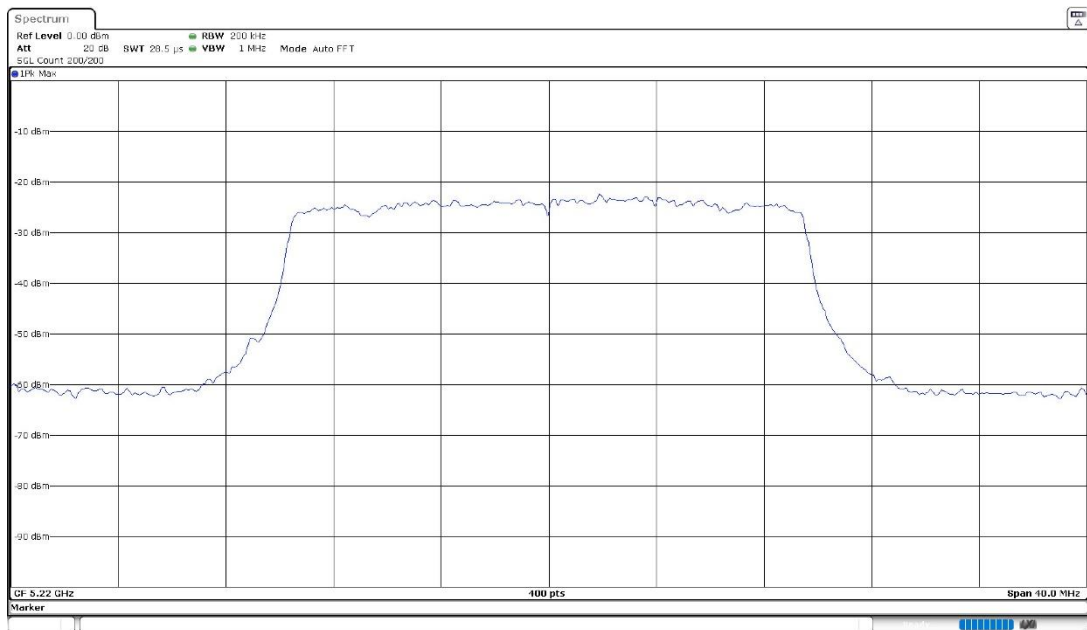
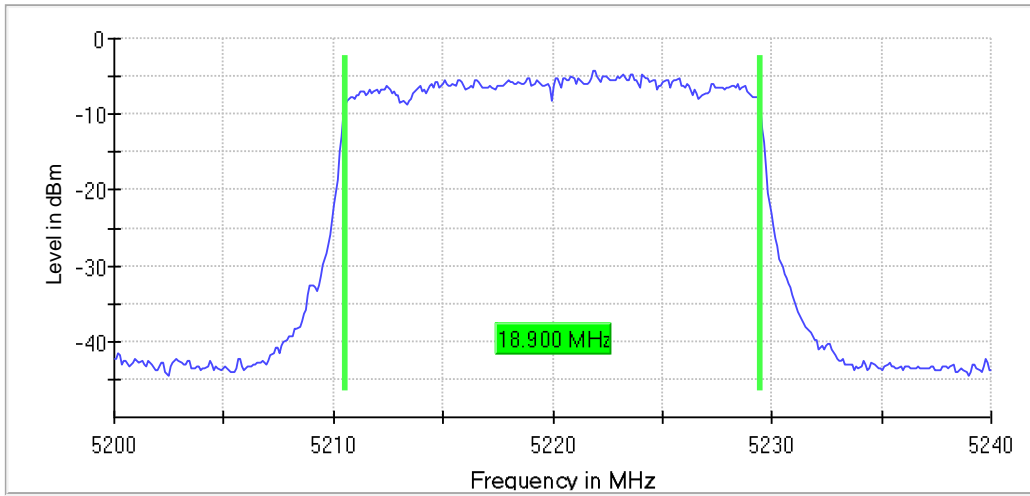
**U-NII-1 (5150-5250 MHz)**

- Low Channel 36 (5180 MHz):

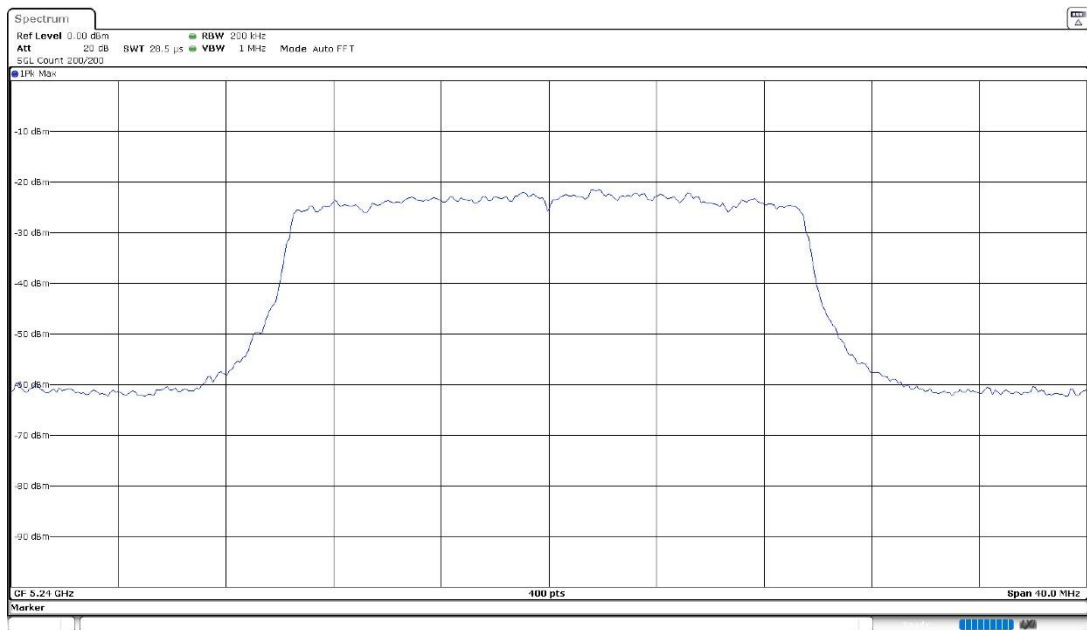
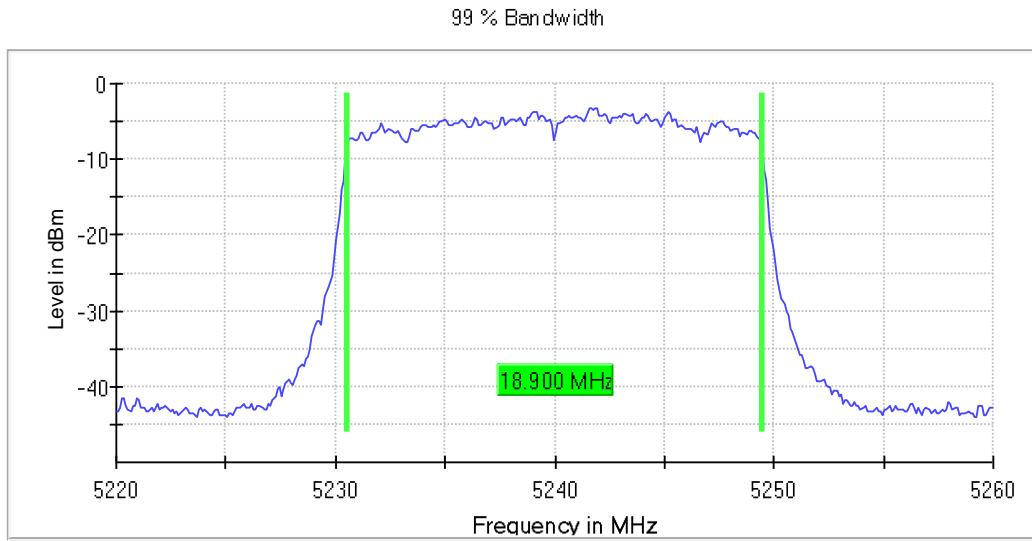


- Channel 44 (5220 MHz):

99 % Bandwidth

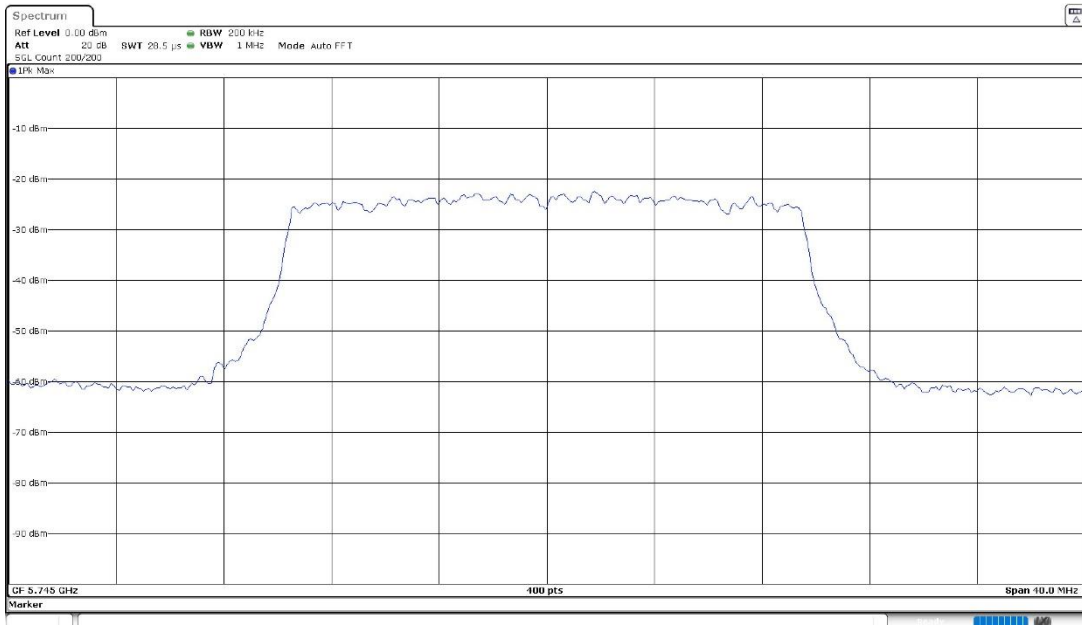
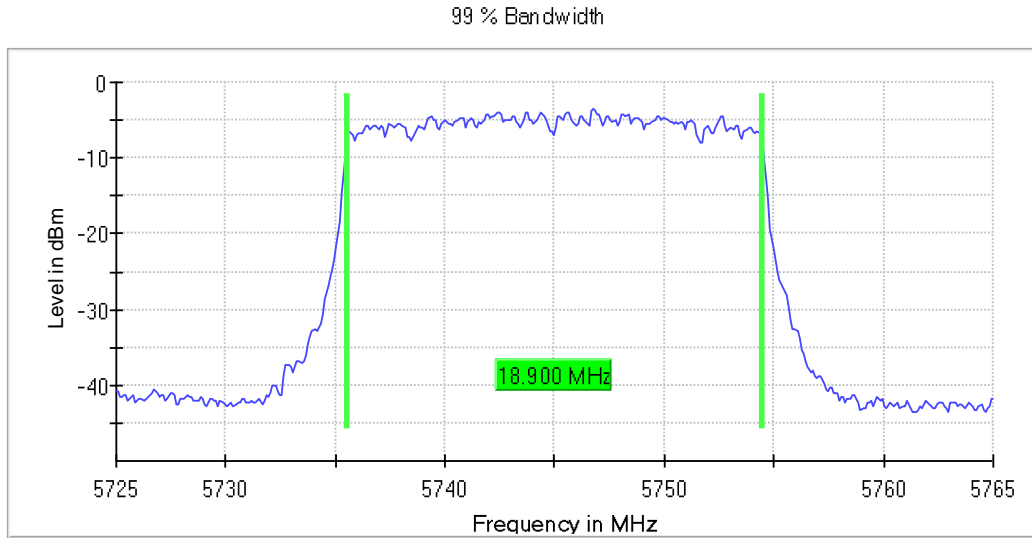


- High Channel 48 (5240 MHz):

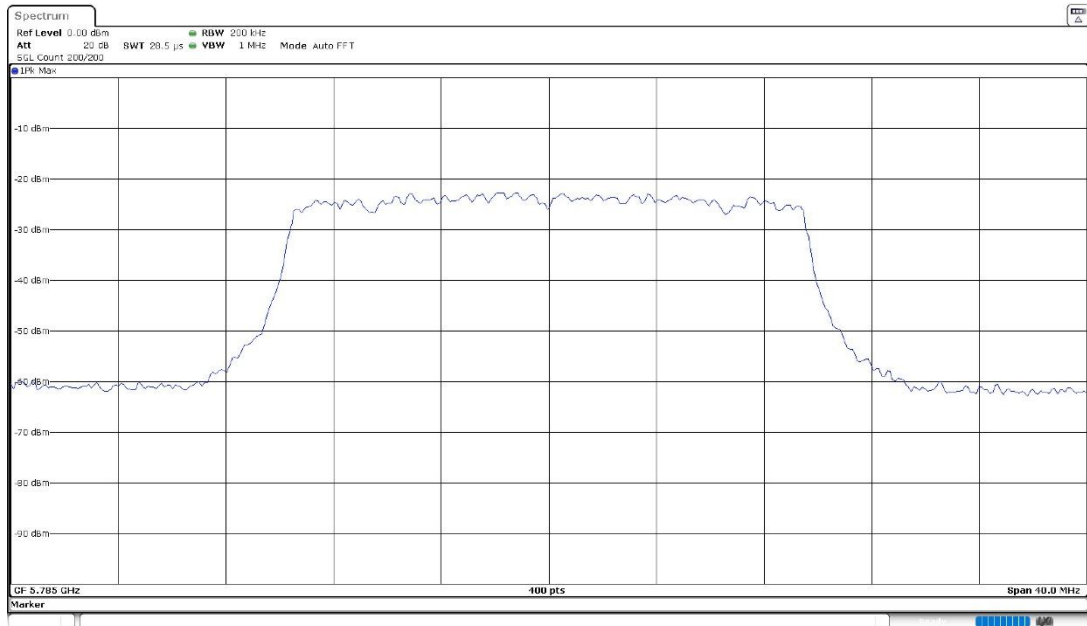
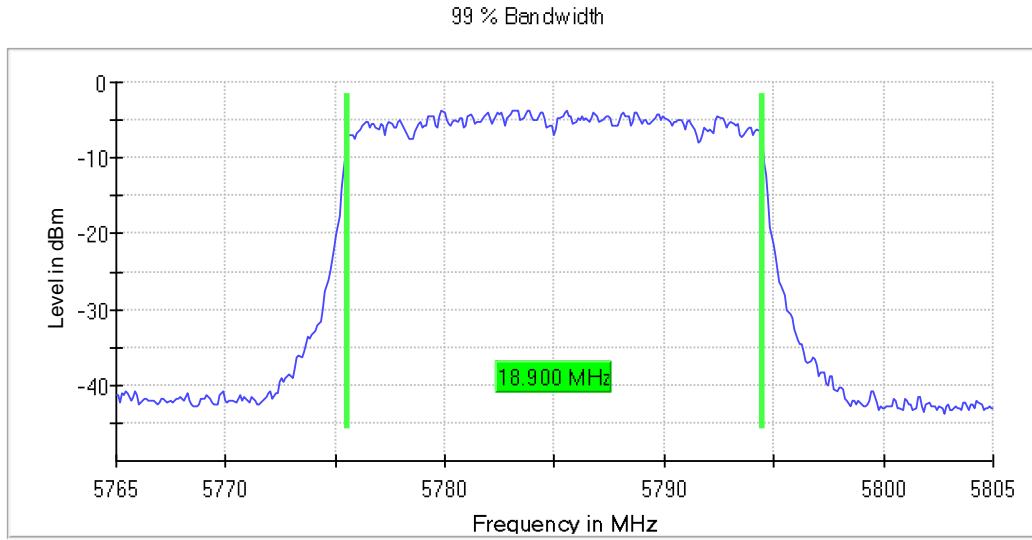


### U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):

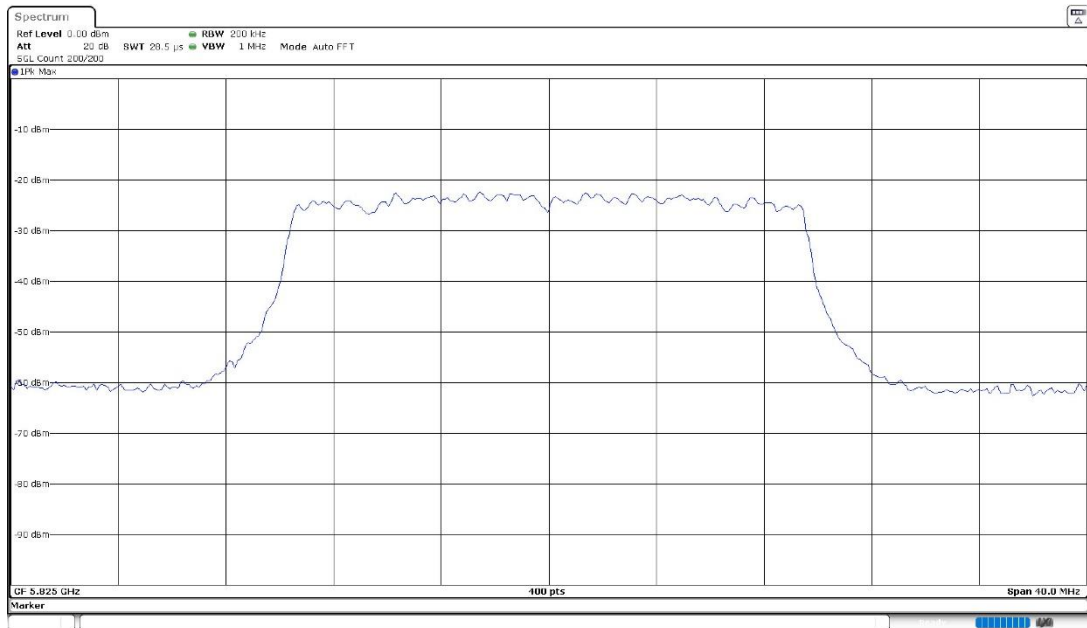
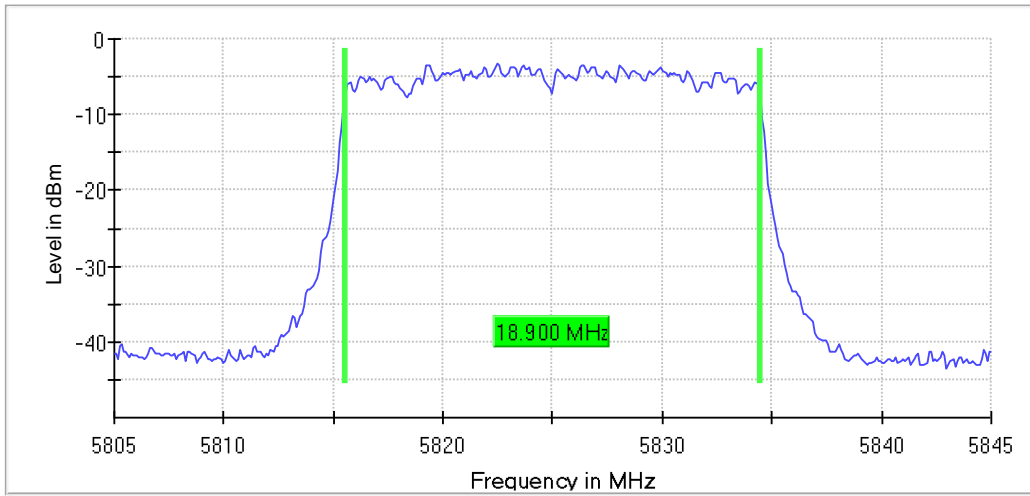


- Middle Channel 157 (5785 MHz):



- High Channel 165 (5825 MHz):

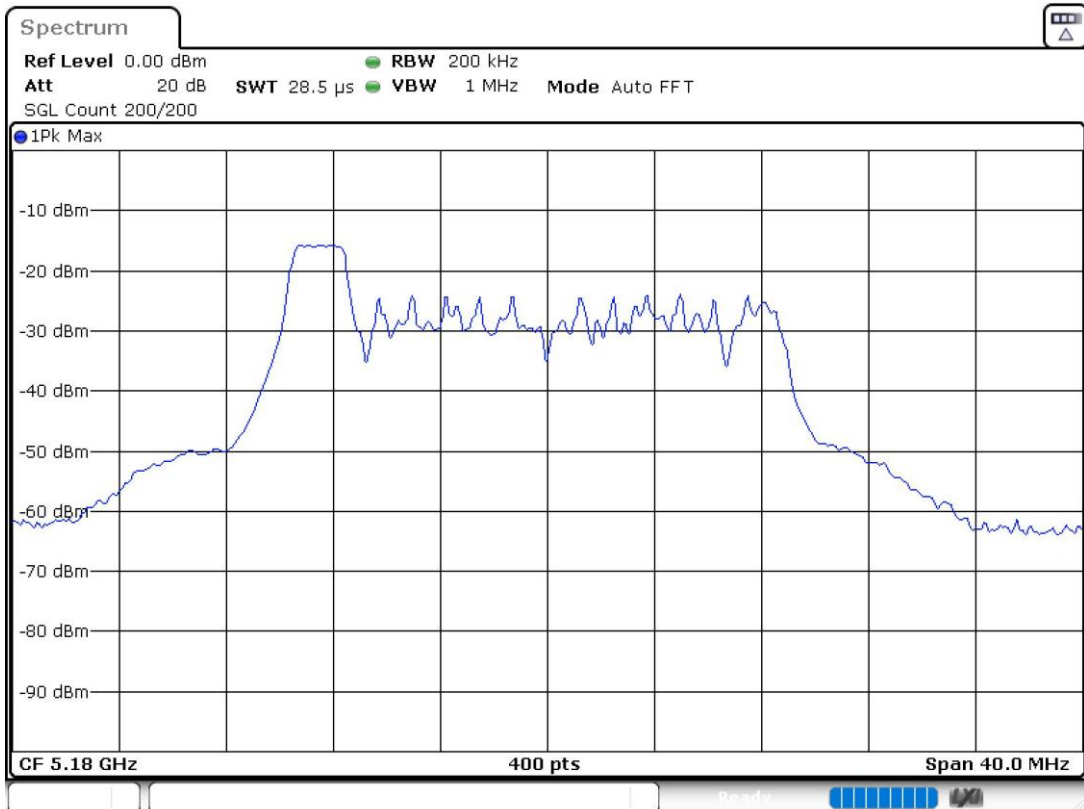
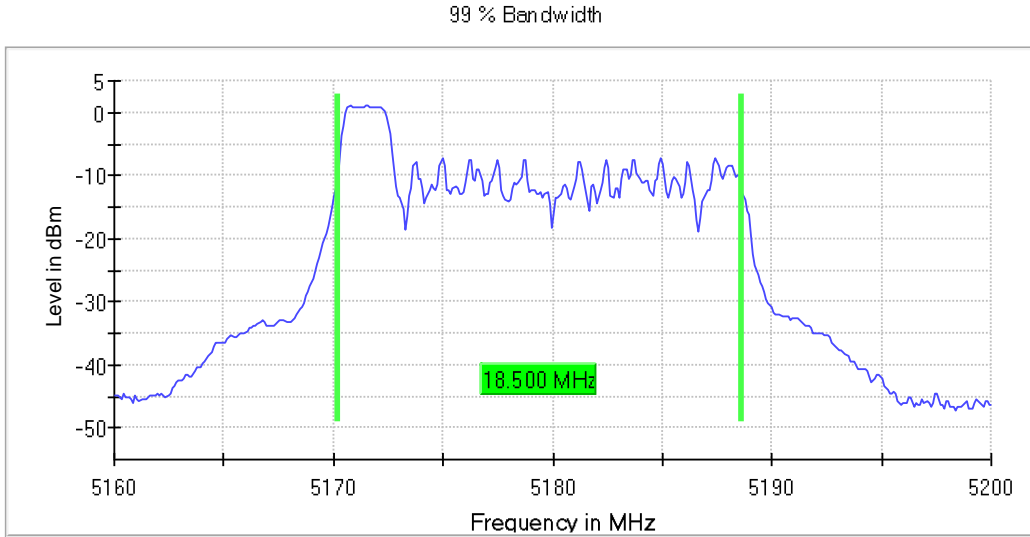
99 % Bandwidth



### MIMO 802.11 ax20 (HE20) – RU Subcarrier allocation (RU26):

#### U-NII-1 (5150-5250 MHz)

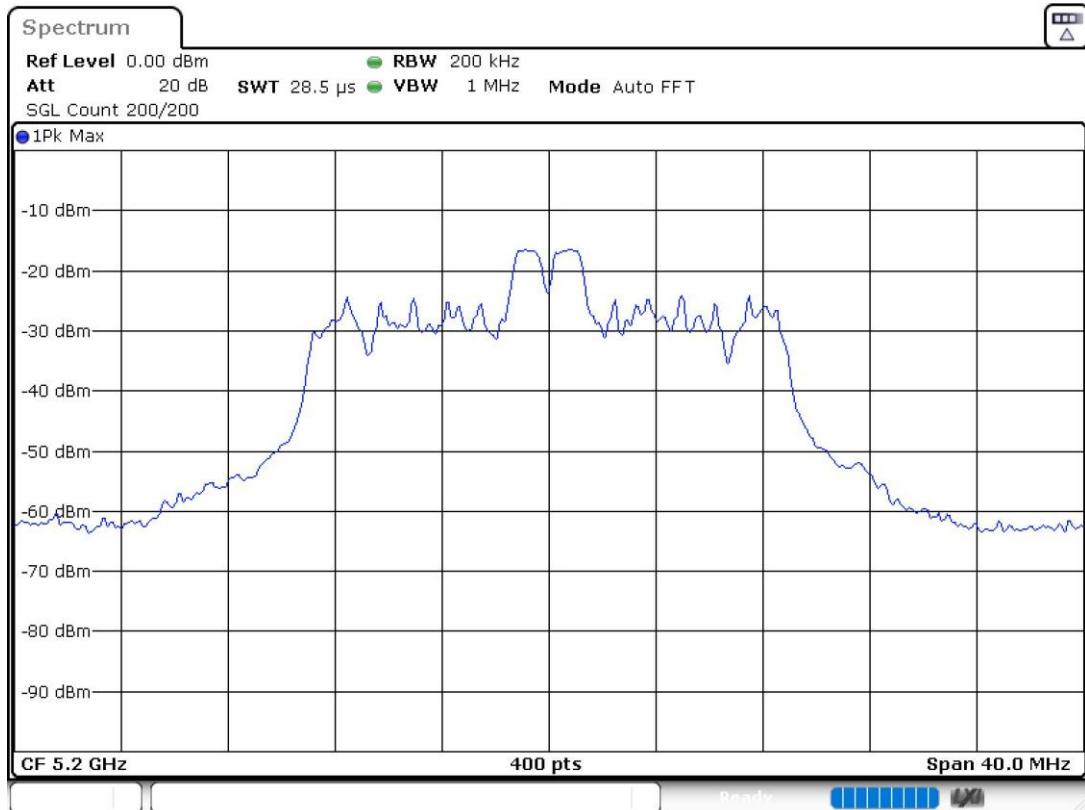
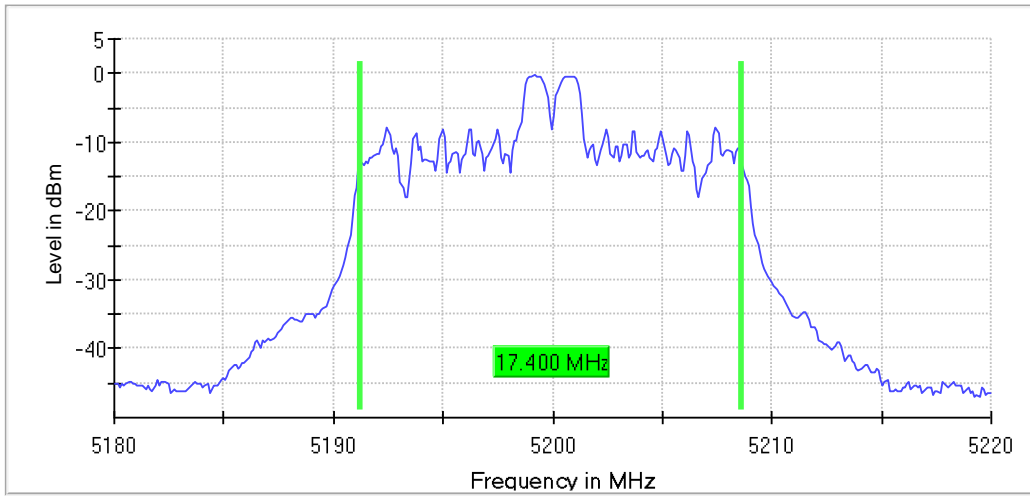
- Low Channel 36 (5180 MHz) / RU26 Offset 0:





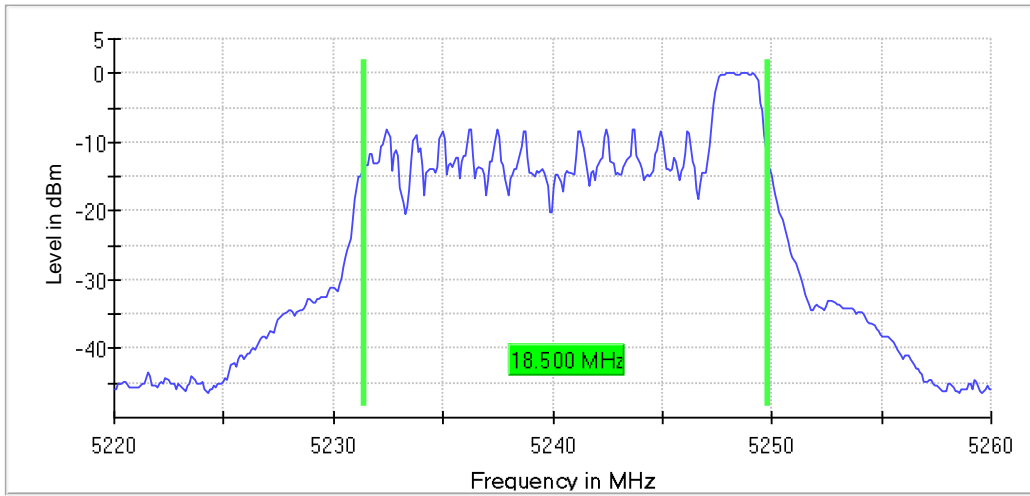
- Channel 40 (5200 MHz) / RU 26 Offset 4:

99 % Bandwidth



- High Channel 48 (5240 MHz) / RU26 Offset 8:

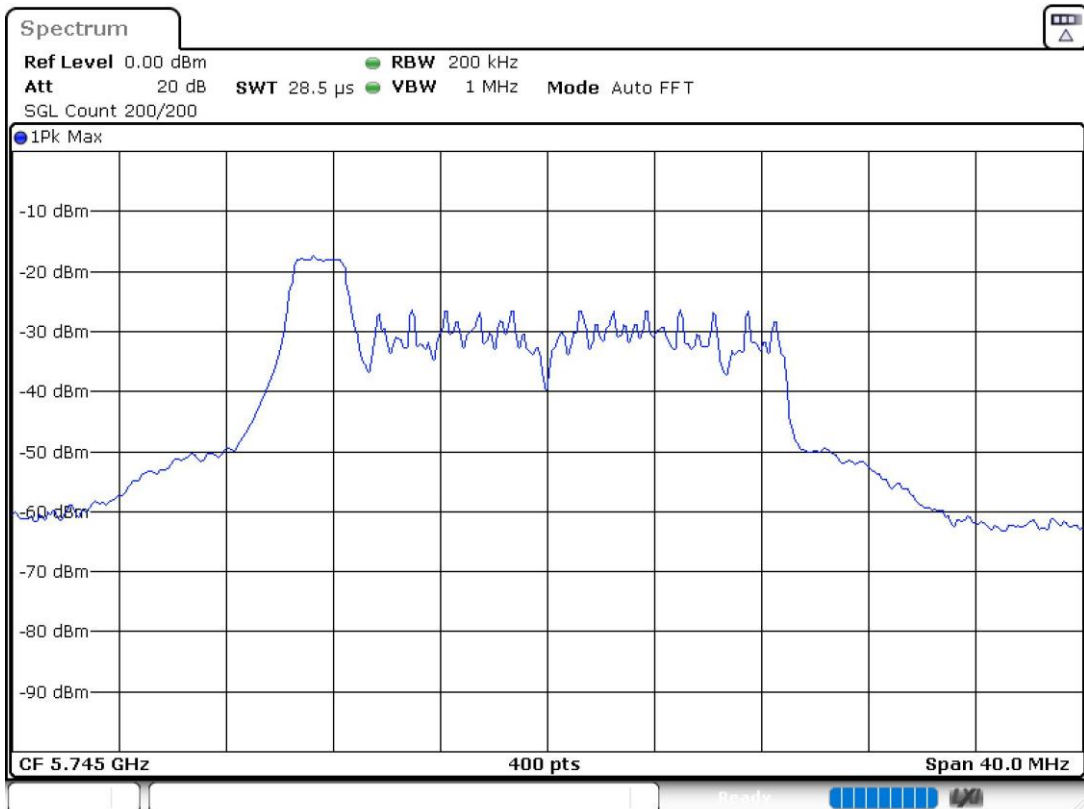
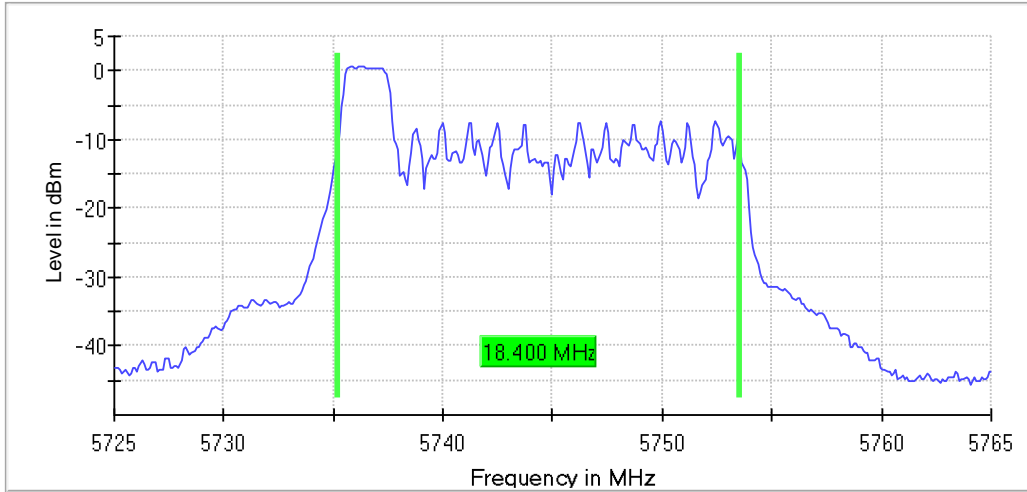
99 % Bandwidth



### U-NII-3 (5725-5850 MHz)

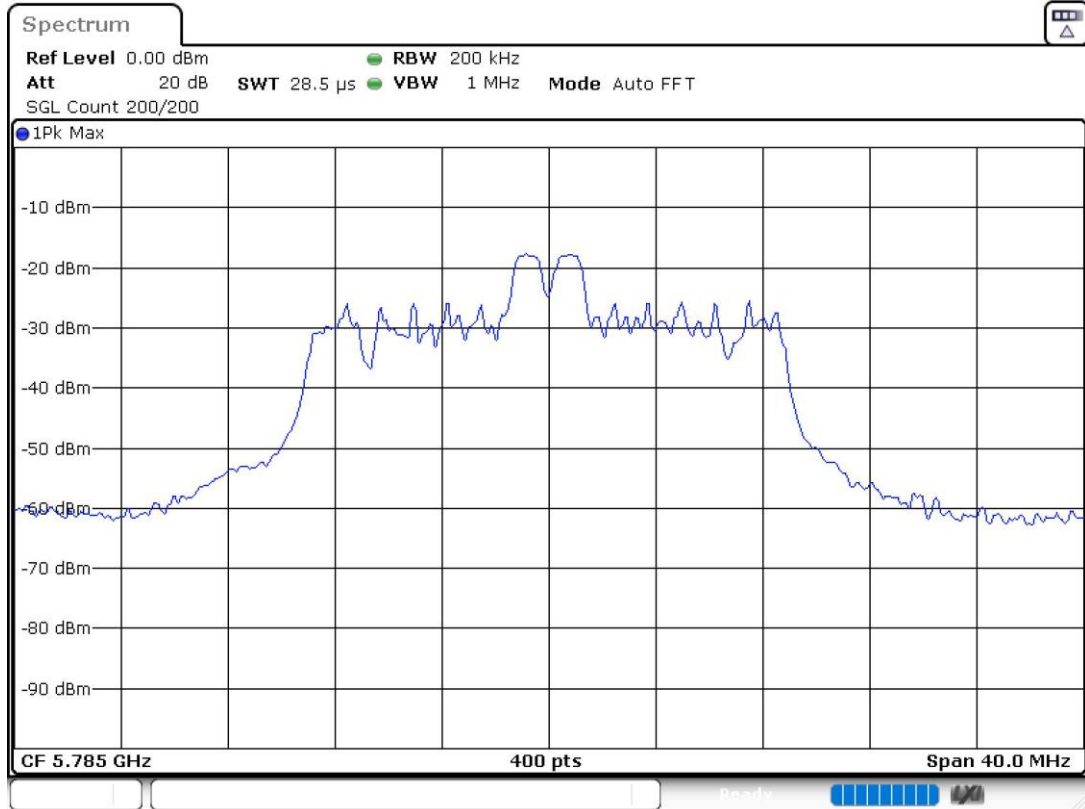
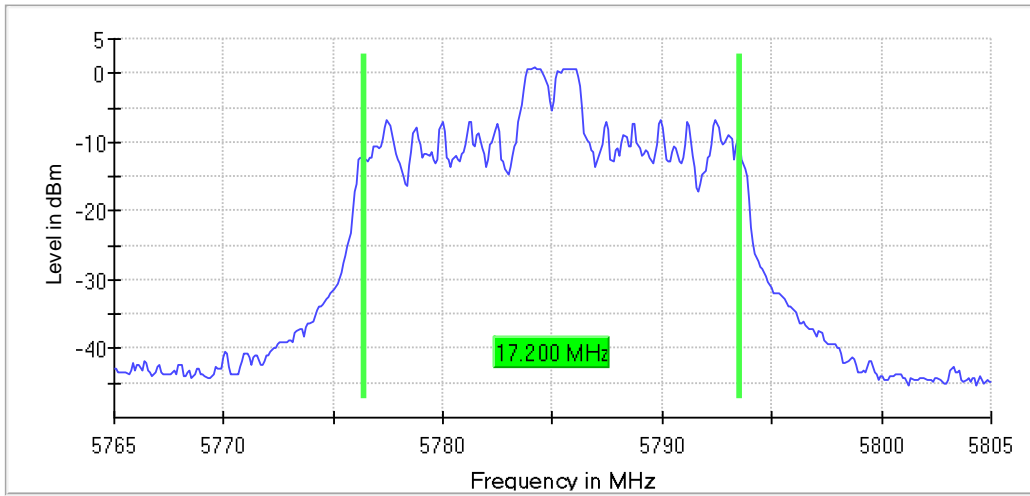
- Low Channel 149 (5745 MHz) / RU26 Offset 0:

99 % Bandwidth



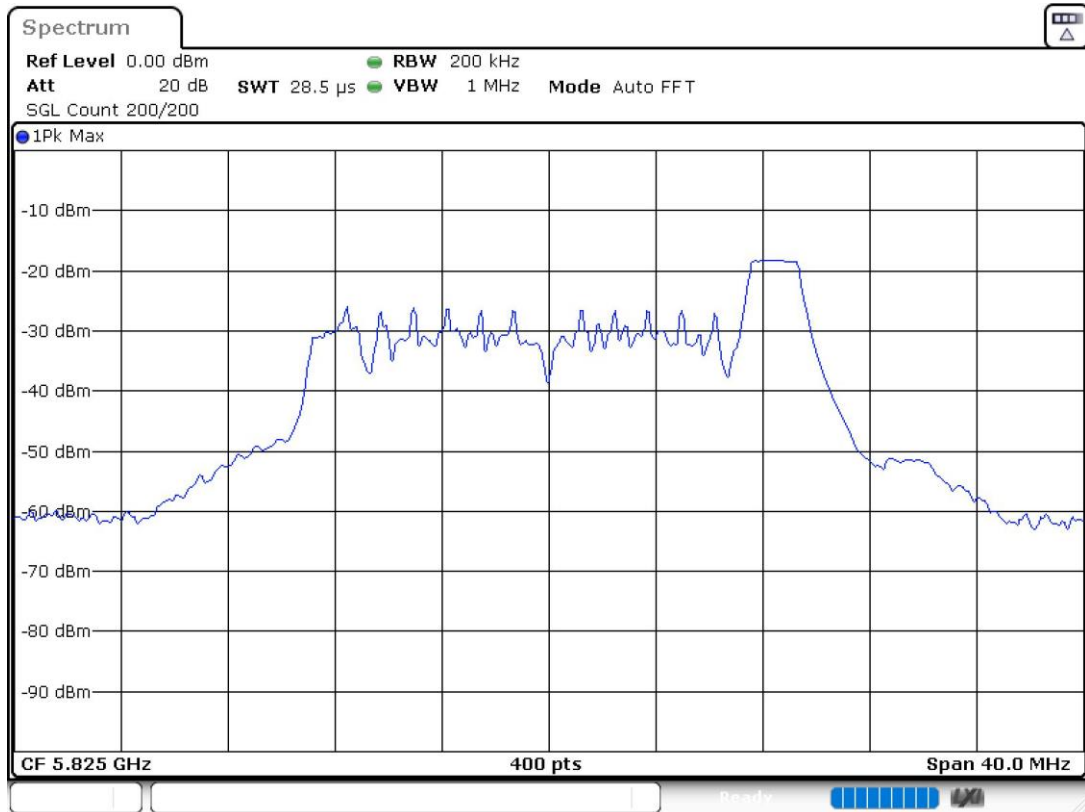
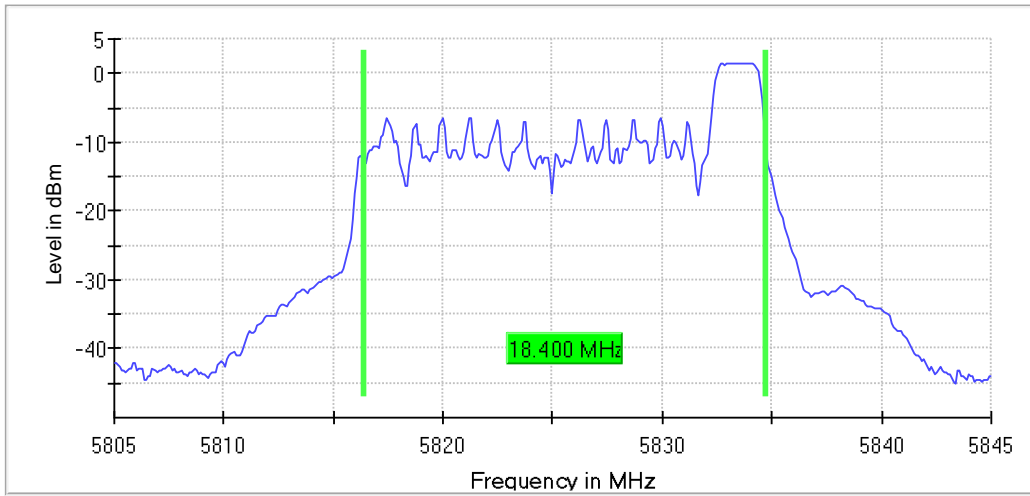
- Middle Channel 157 (5785 MHz) / RU26 Offset 4:

99 % Bandwidth



- High Channel 165 (5825 MHz) / RU26 Offset 8:

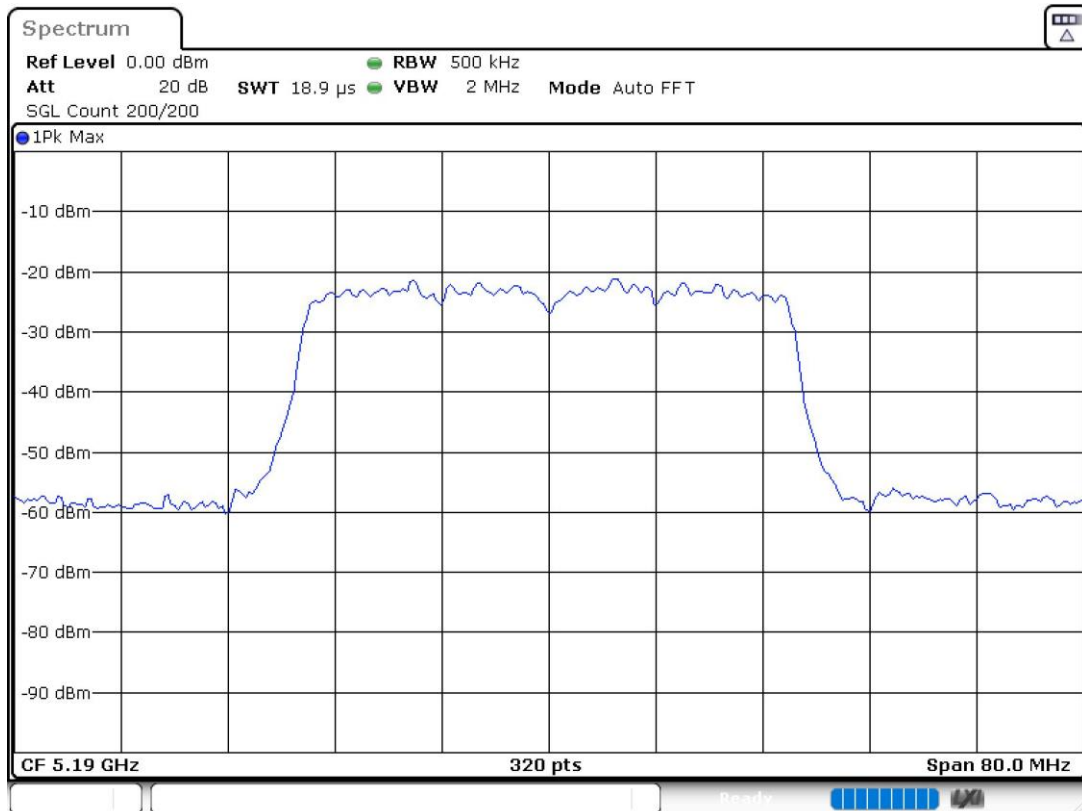
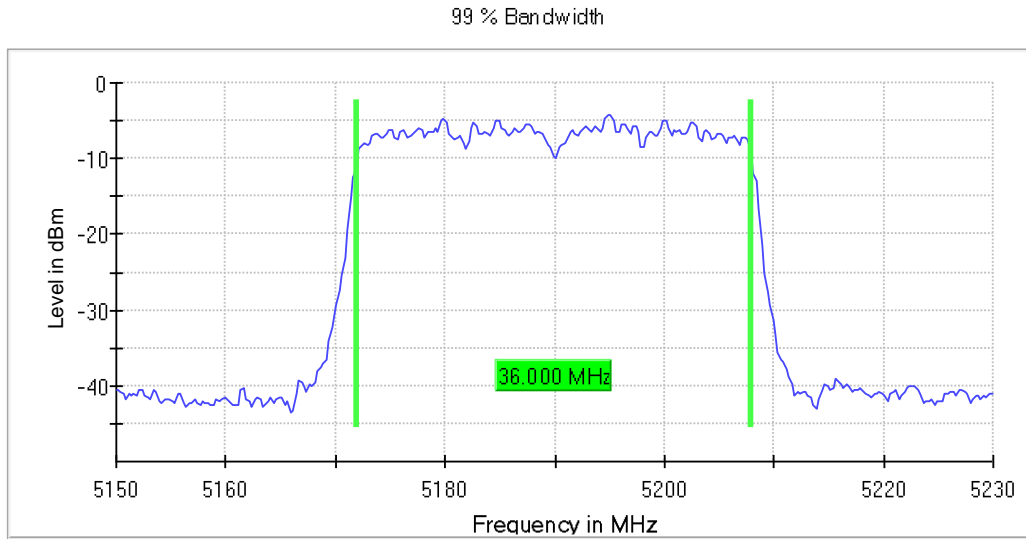
99 % Bandwidth



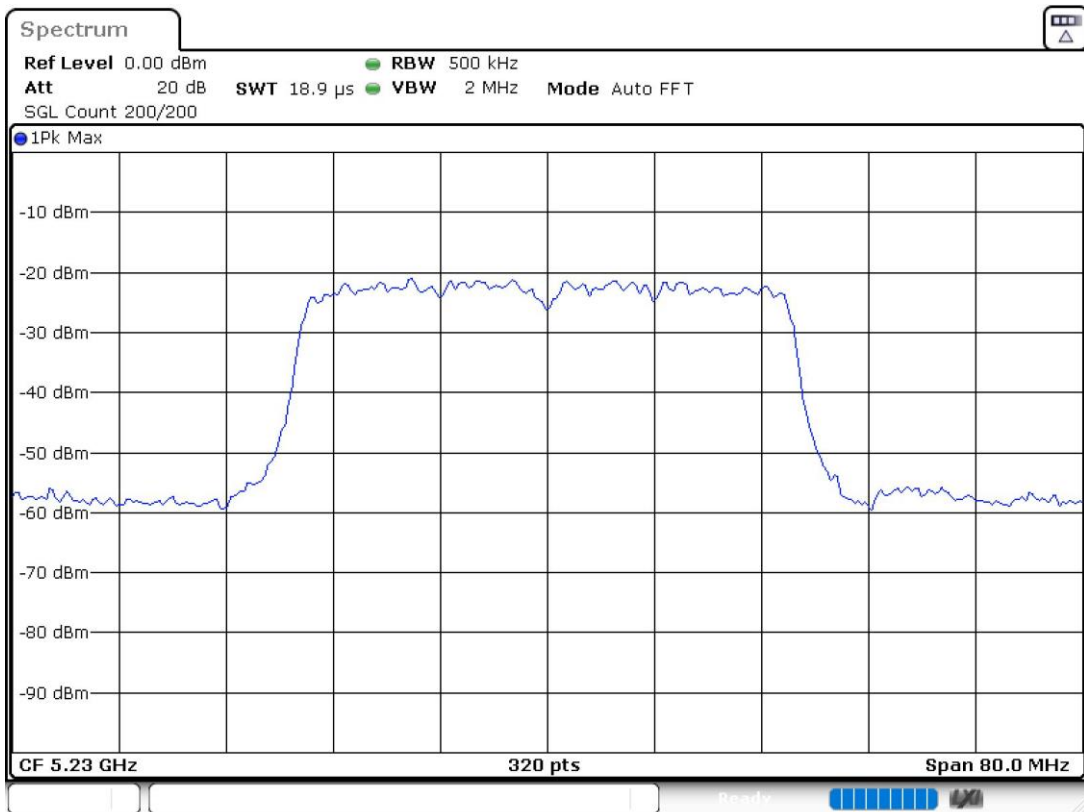
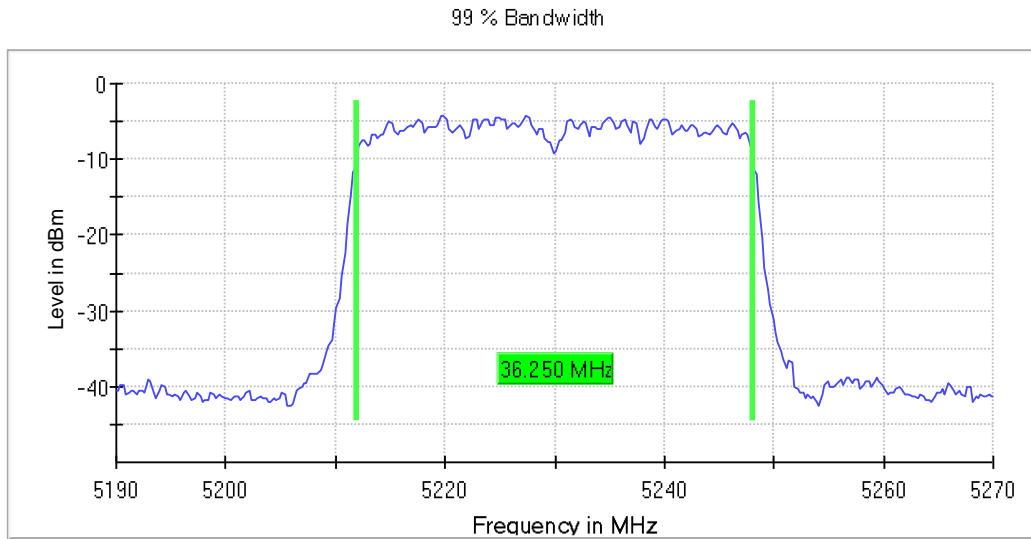
**MIMO 802.11 n40 (HT40):**

**U-NII-1 (5150-5250 MHz)**

- Low Channel 38 (5190 MHz):

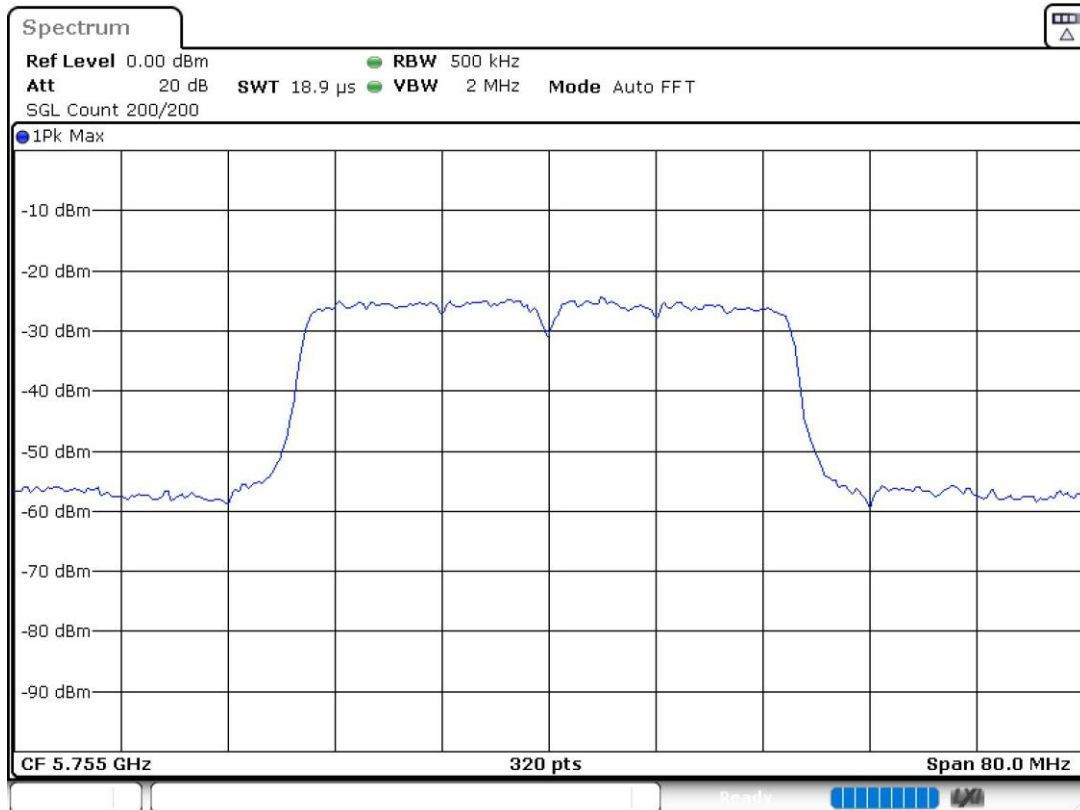
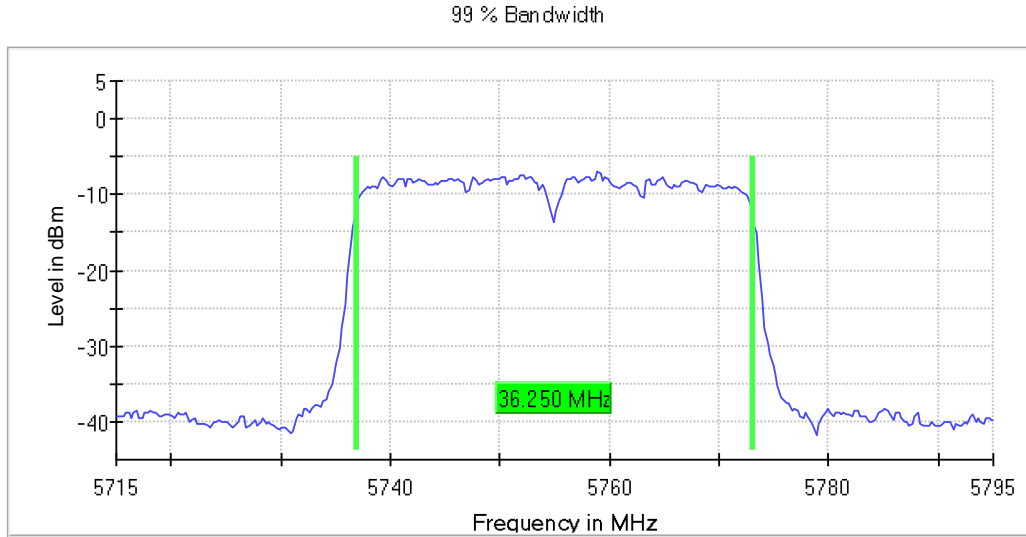


- High Channel 46 (5230 MHz):



### U-NII-3 (5725-5850 MHz)

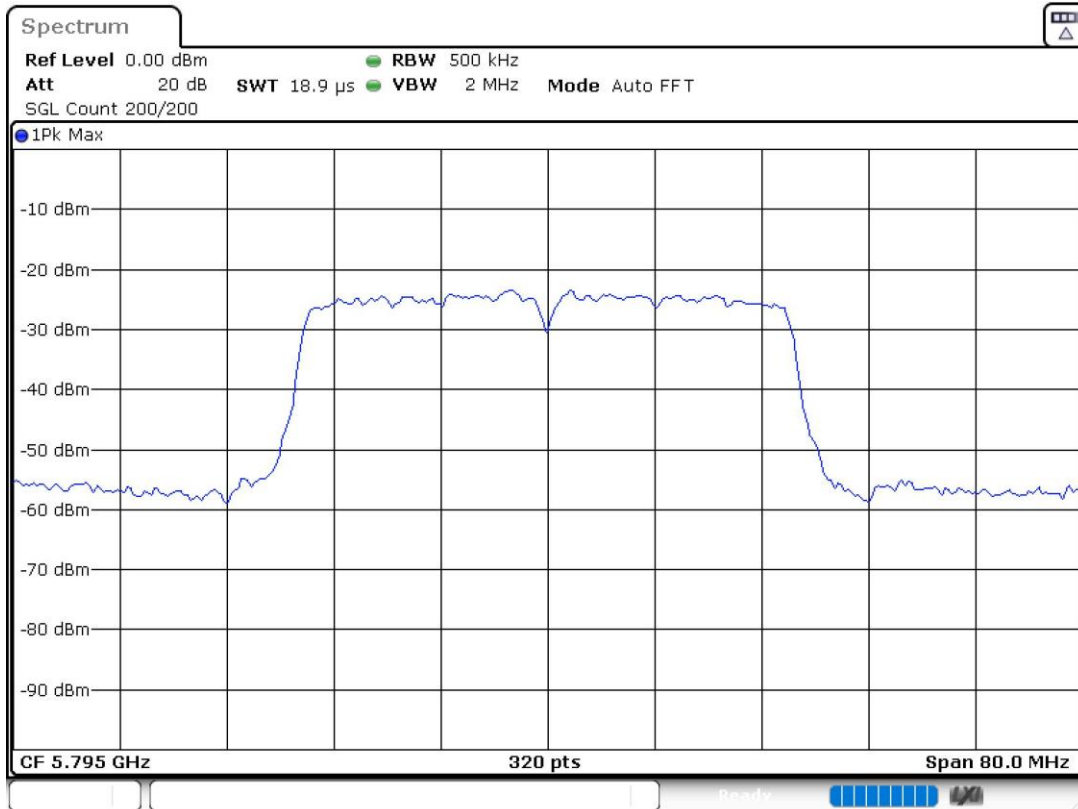
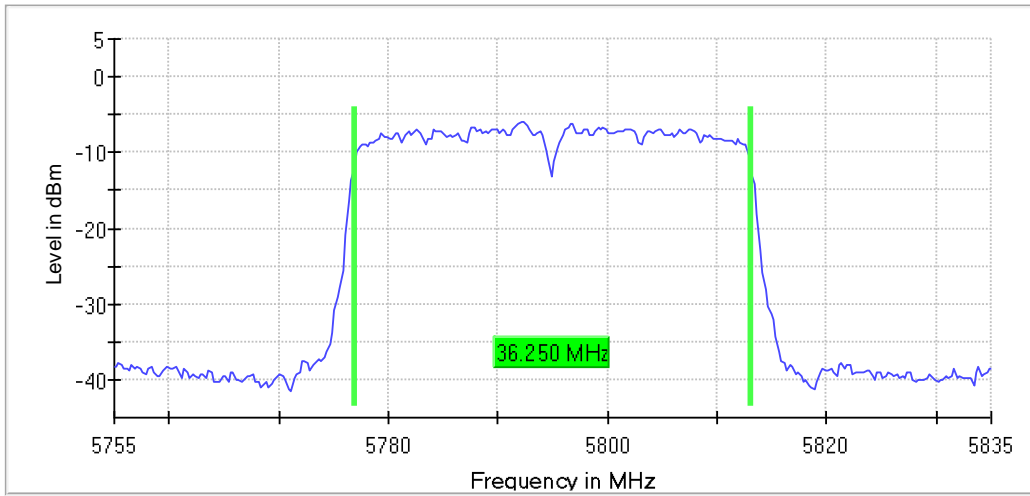
- Low Channel 151 (5755 MHz):





- High Channel 159 (5795 MHz):

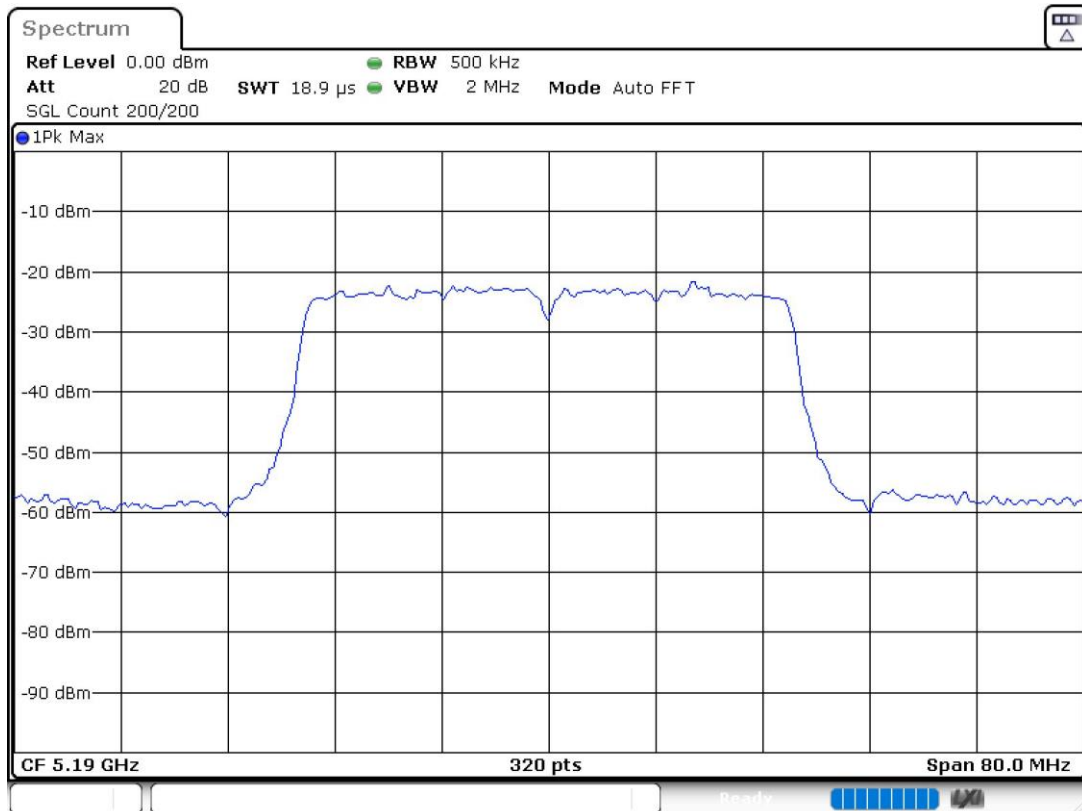
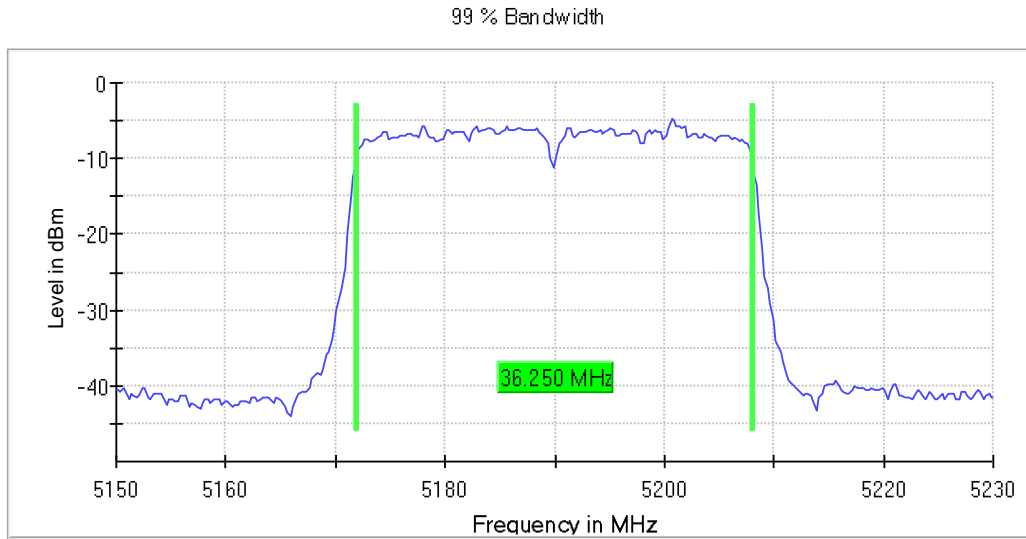
99 % Bandwidth



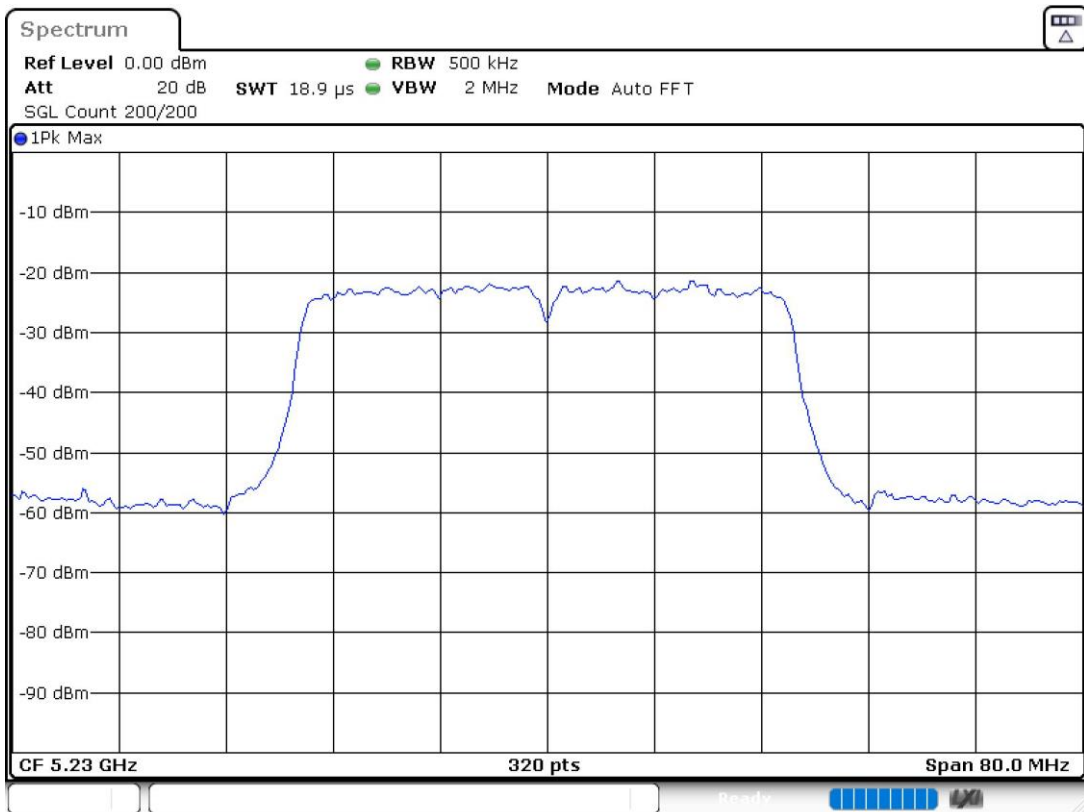
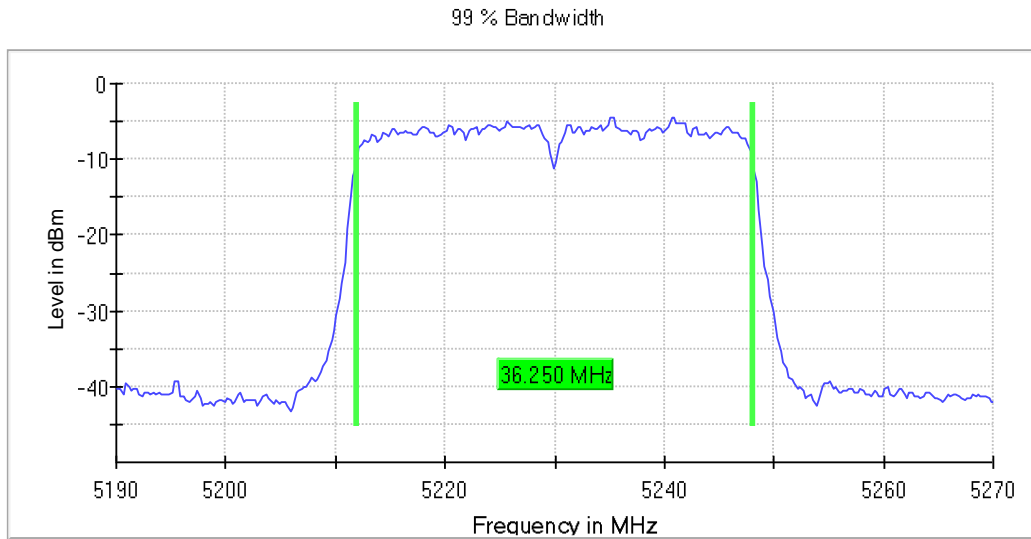
**MIMO 802.11 ac40 (VHT40):**

**U-NII-1 (5150-5250 MHz)**

- Low Channel 38 (5190 MHz):

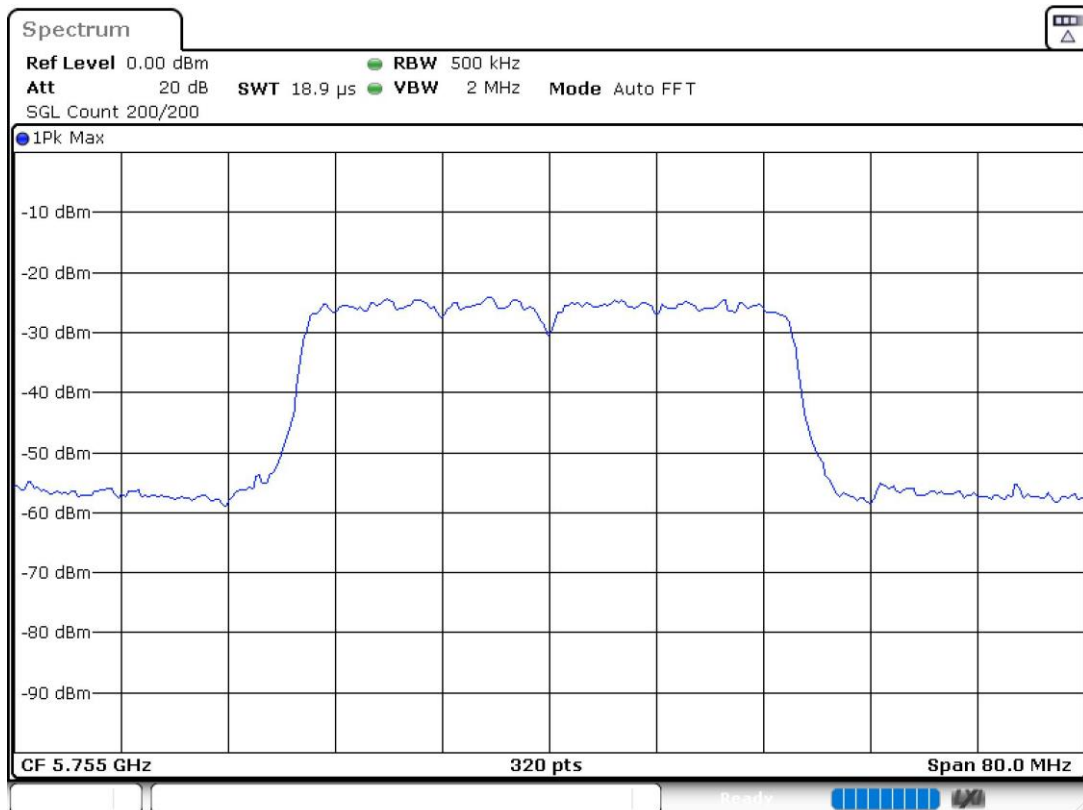
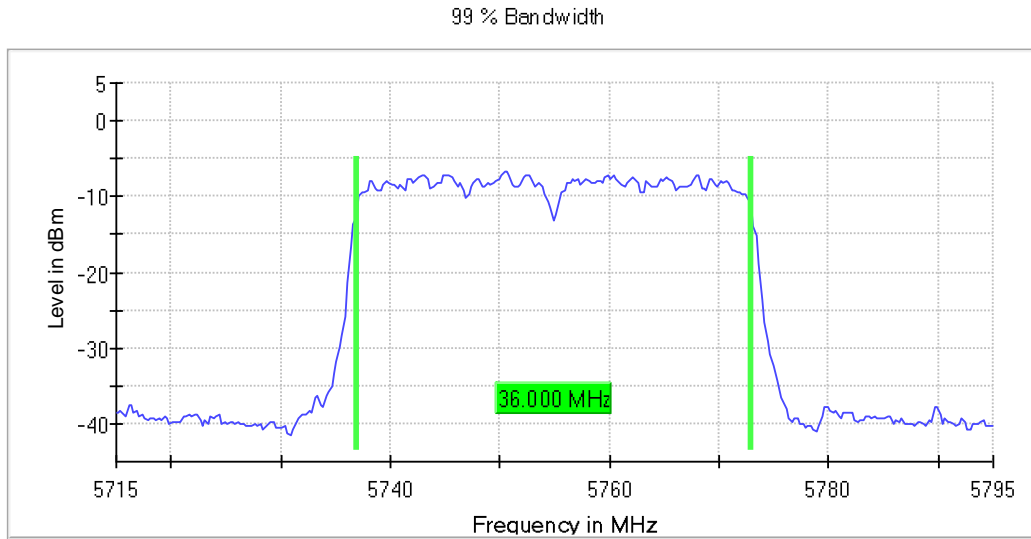


- High Channel 46 (5230 MHz):

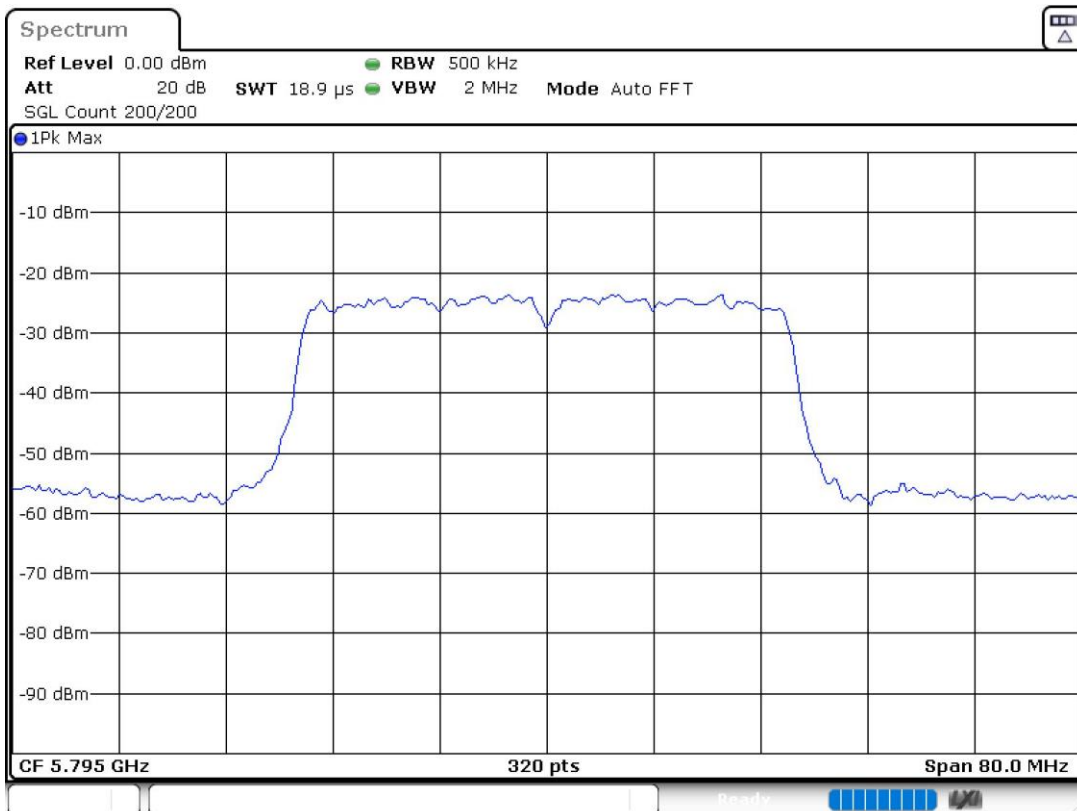
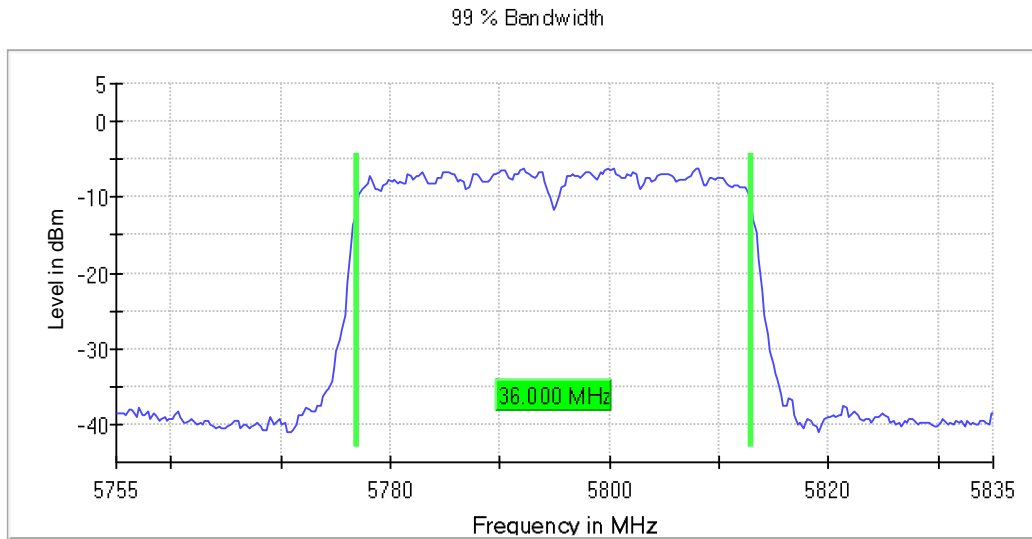


### U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):



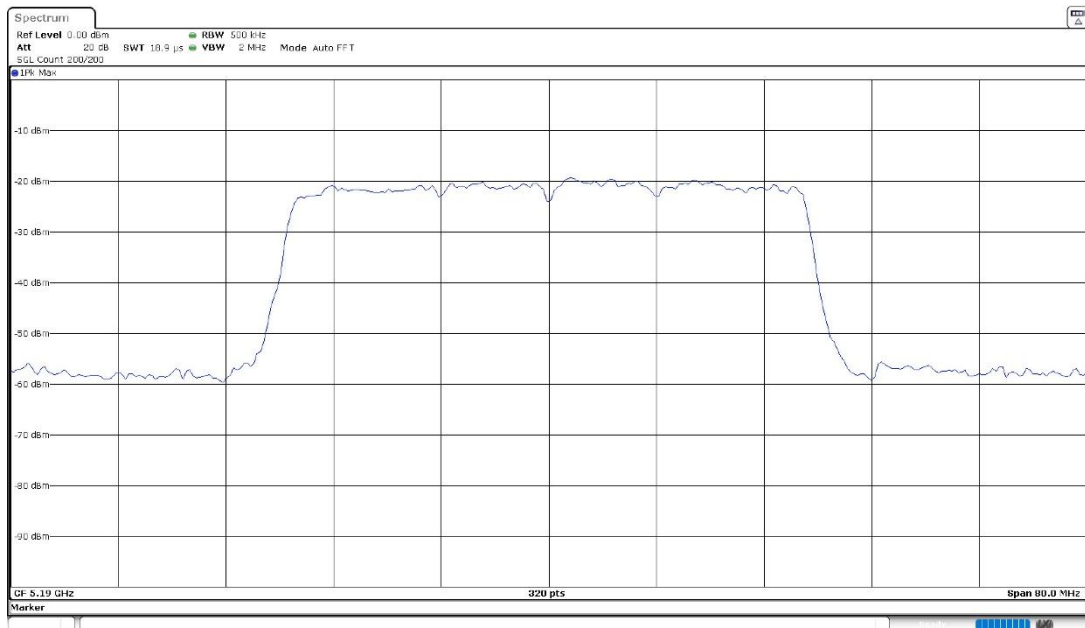
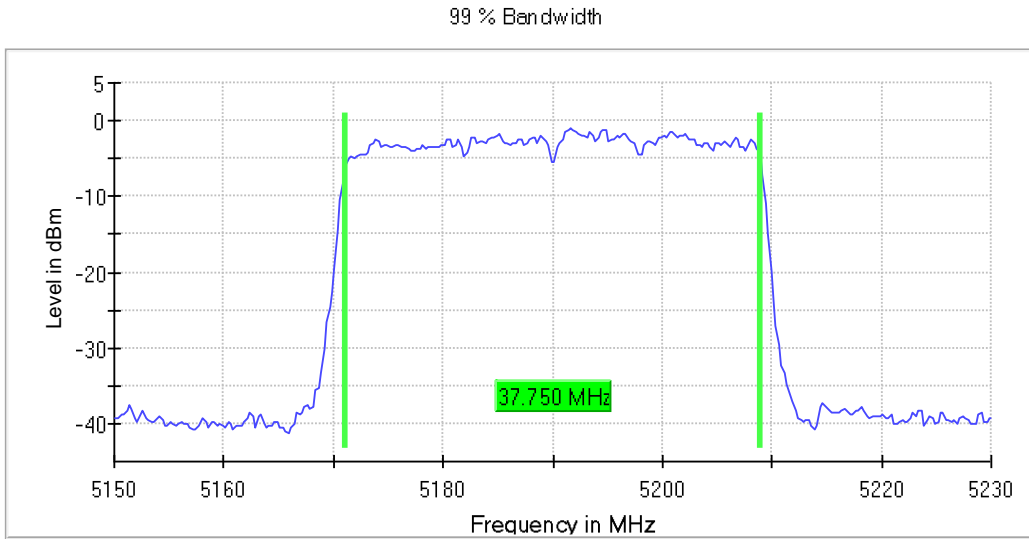
- High Channel 159 (5795 MHz):



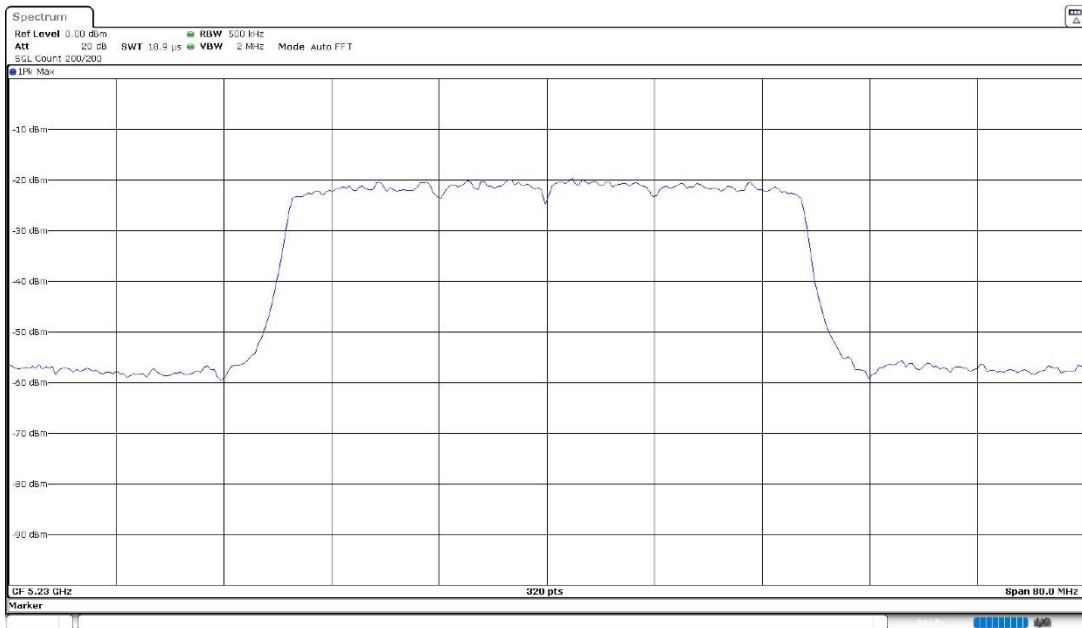
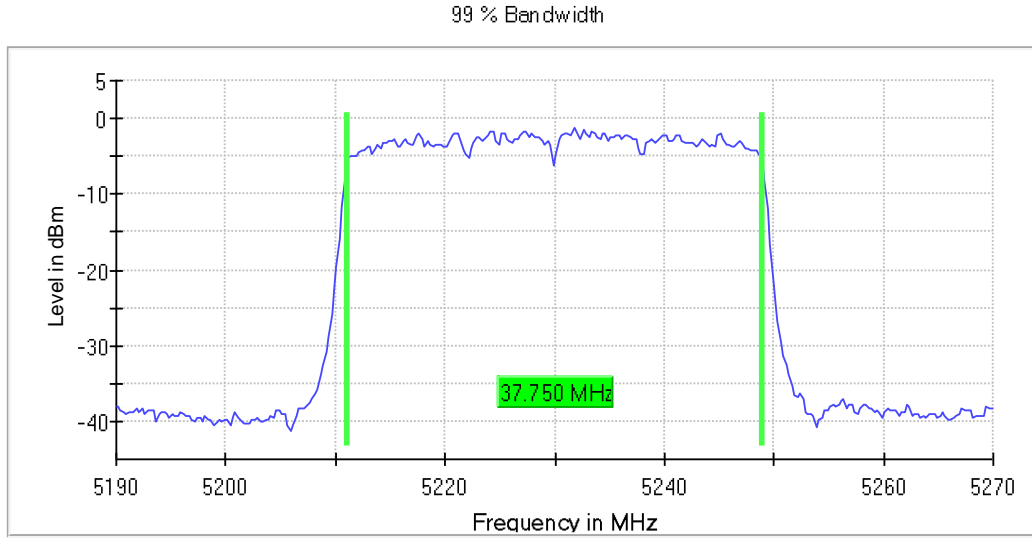
**MIMO 802.11 ax40 (HE40) – SU Full channel allocation:**

**U-NII-1 (5150-5250 MHz)**

- Low Channel 38 (5190 MHz):

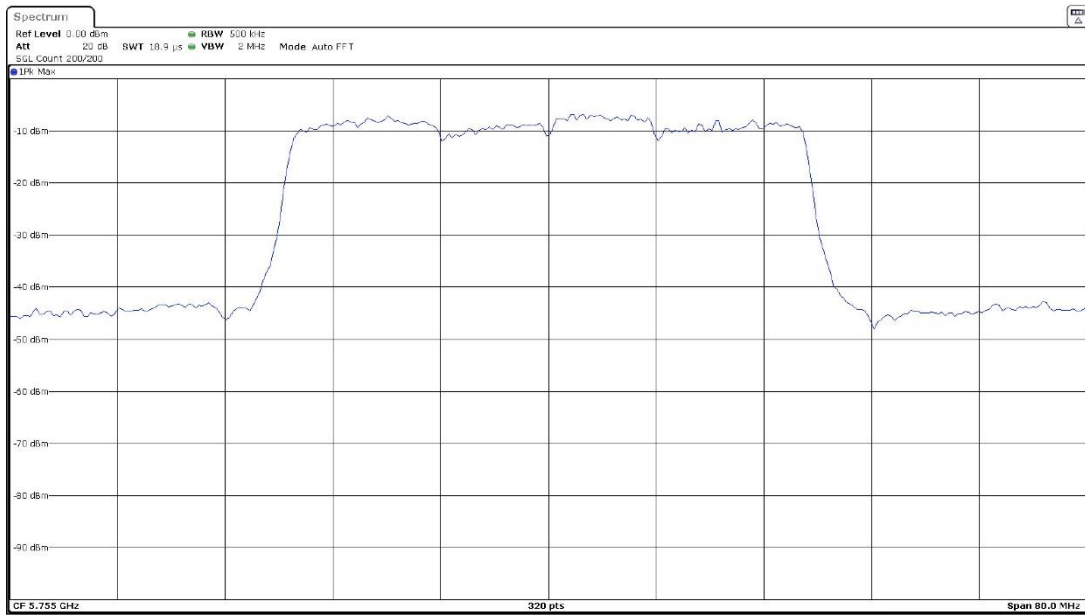
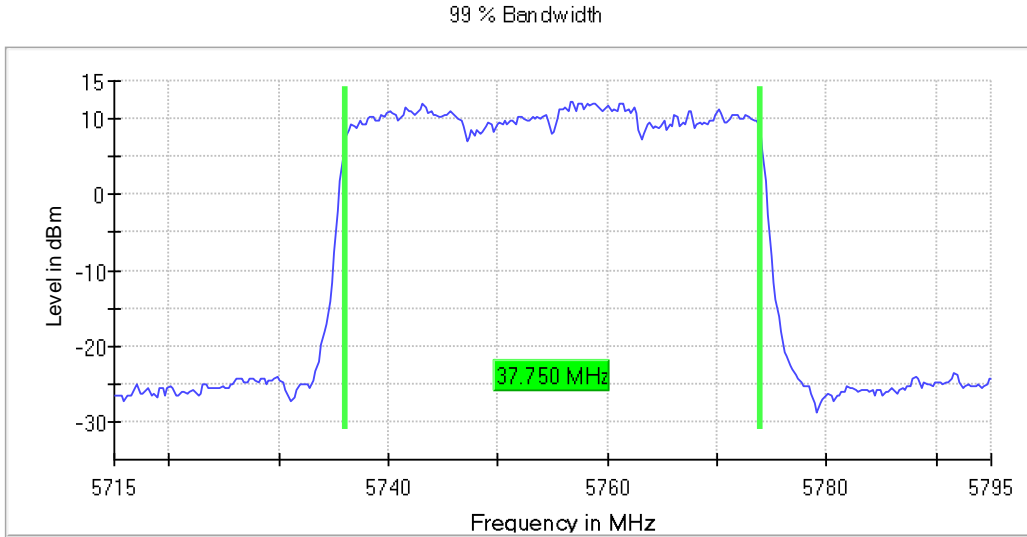


- High Channel 46 (5230 MHz):



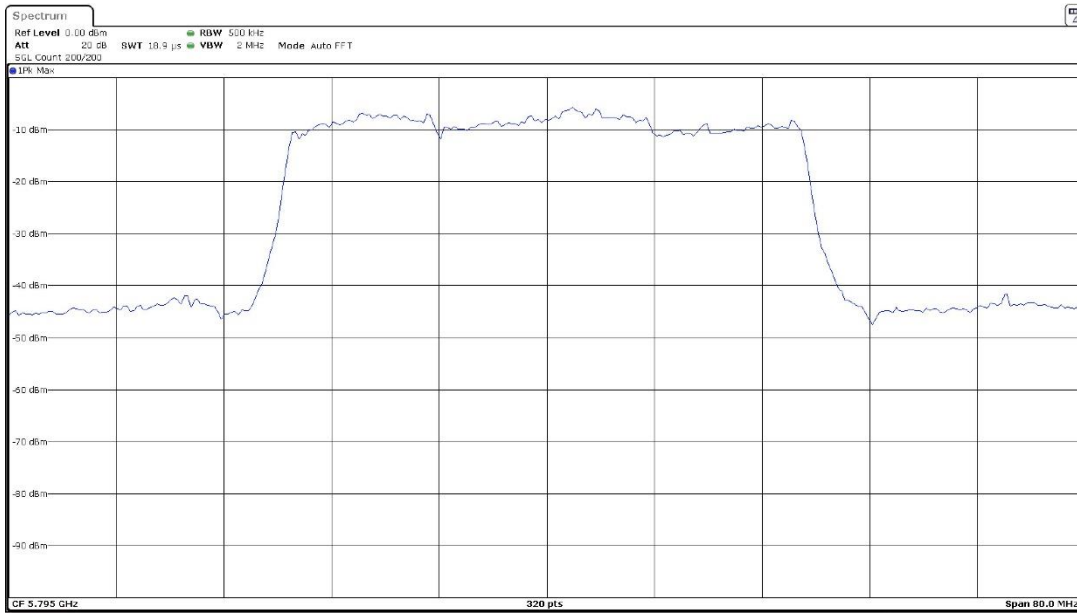
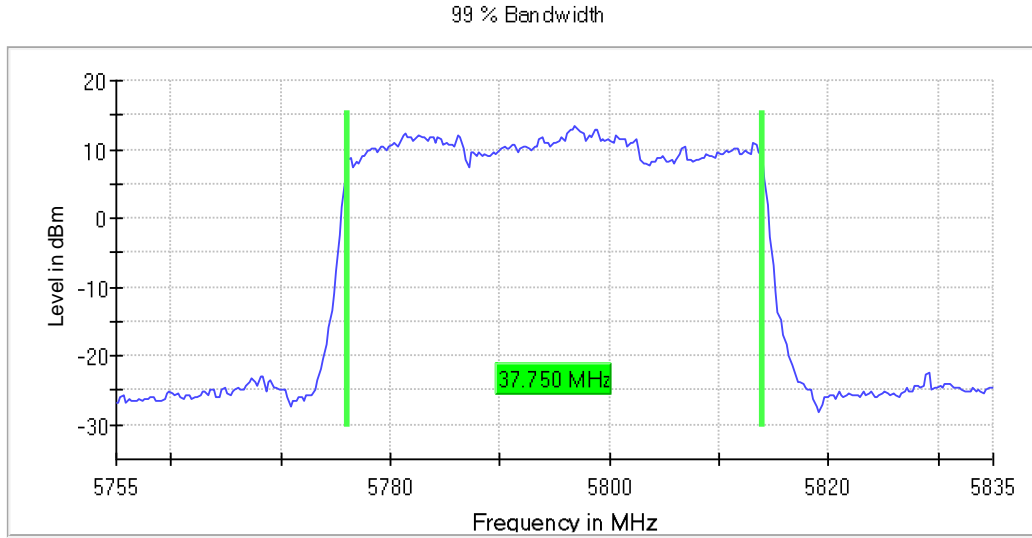
### U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):





- High Channel 159 (5795 MHz):



**MIMO 802.11 ax40 (HE40) – RU Subcarrier allocation (RU26):**

**U-NII-1 (5150-5250 MHz)**

- Low Channel 38 (5190 MHz) / RU 26 Offset 0:

