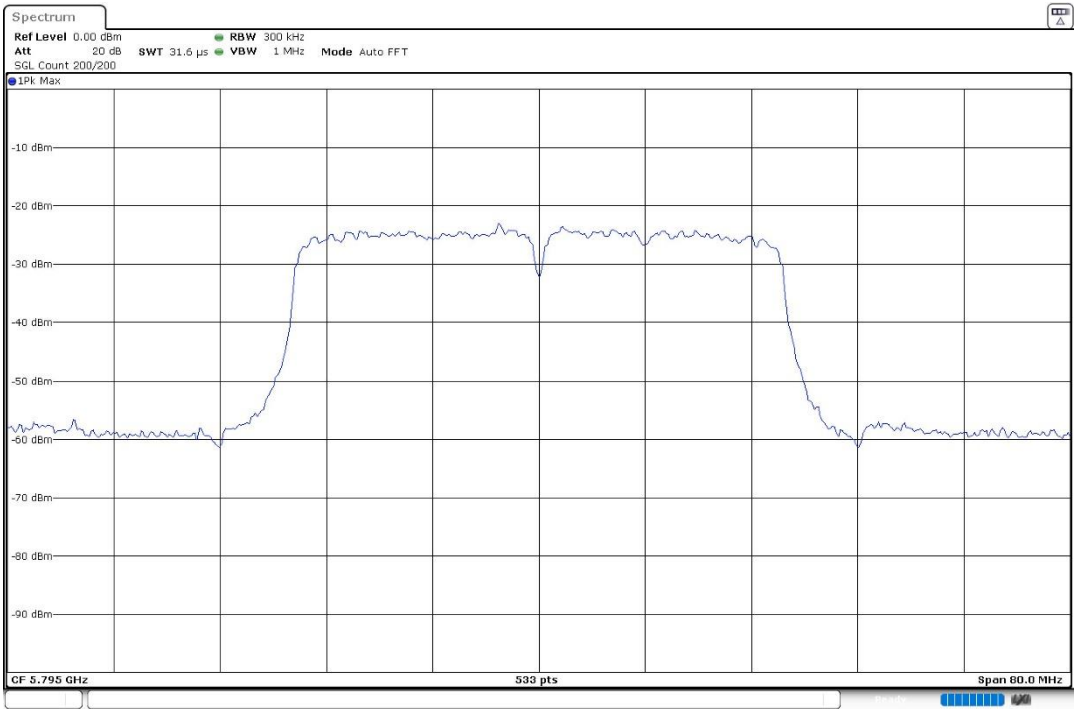
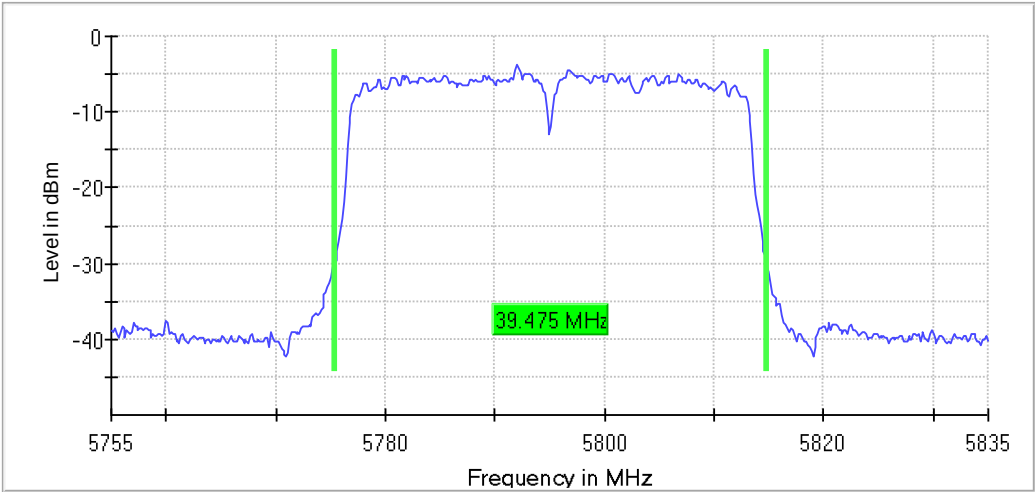


- High Channel 159 (5795 MHz):

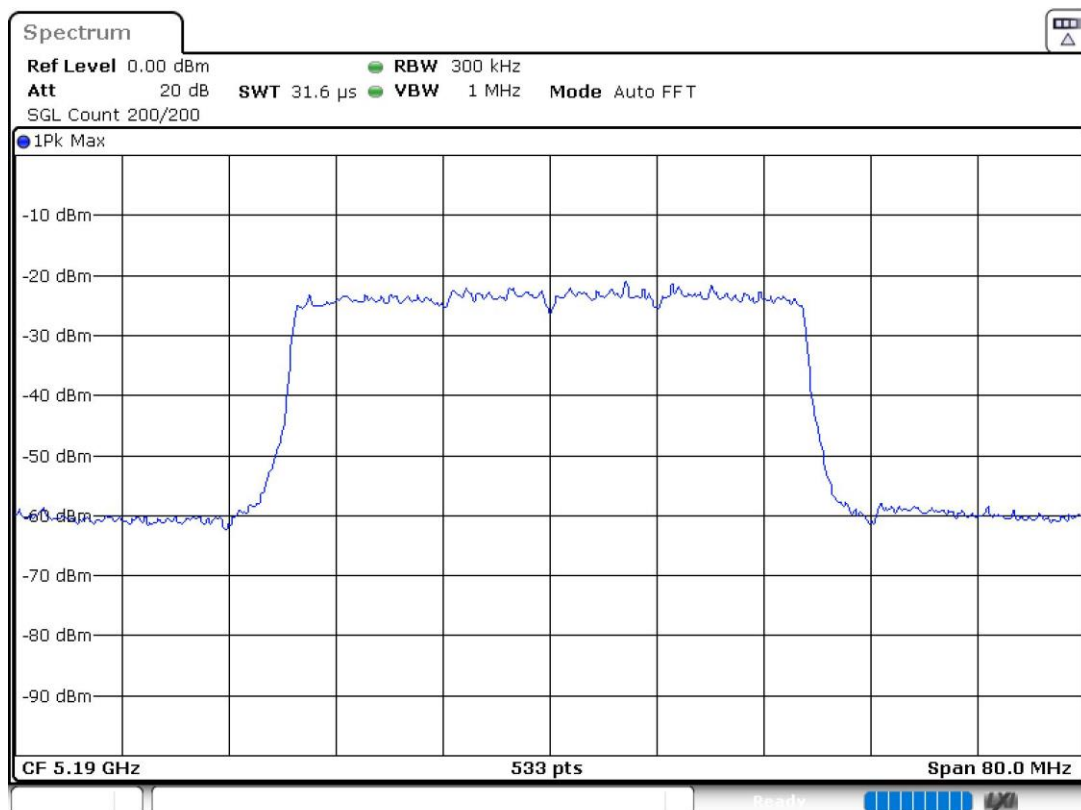
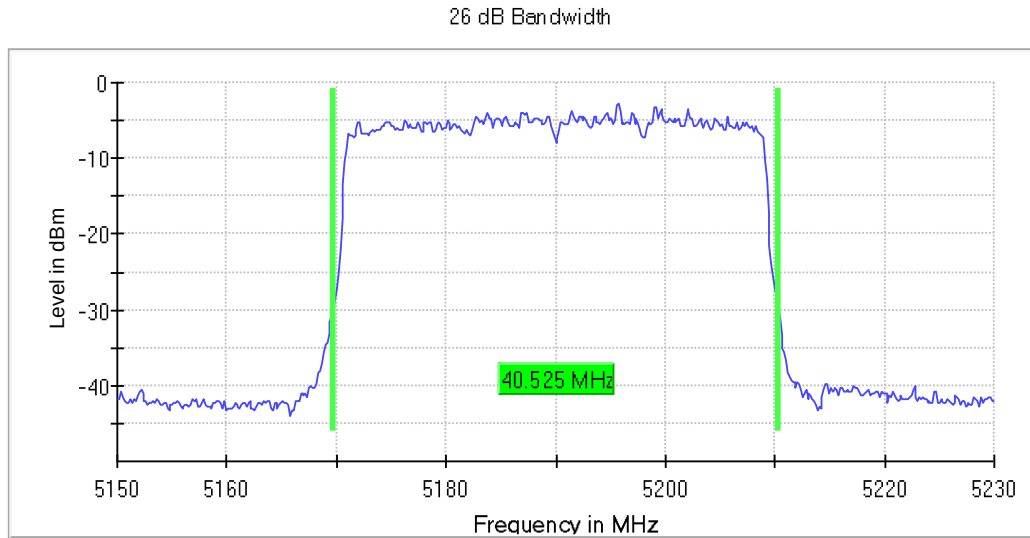
26 dB Bandwidth



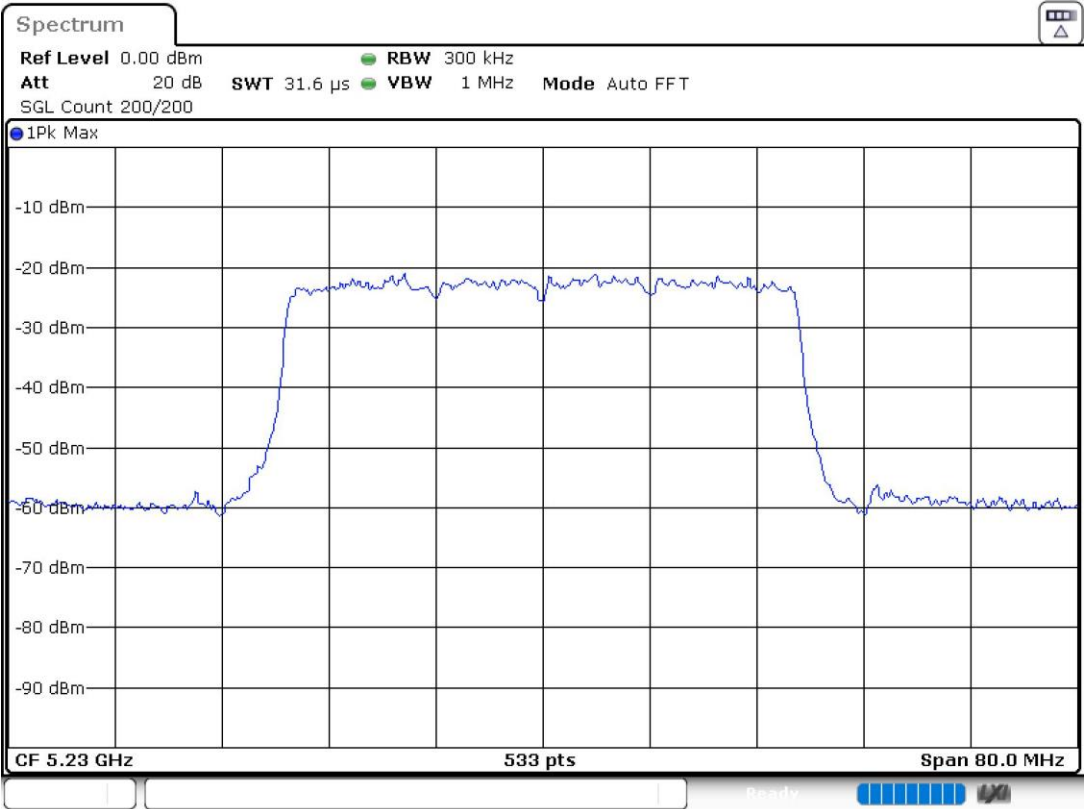
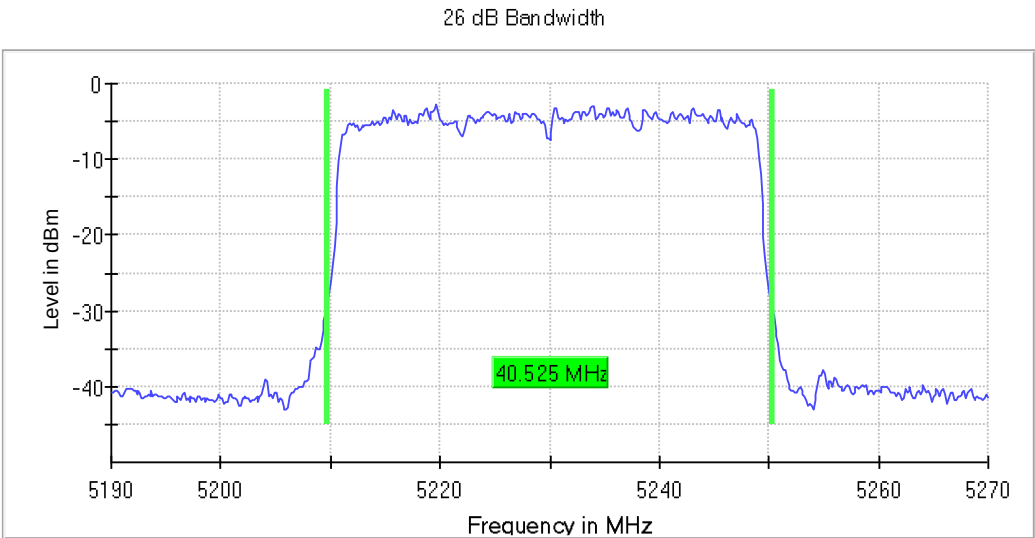
SISO 802.11 ax40 (HE40) – SU Full channel allocation:

U-NII-1 (5150-5250 MHz)

- Low Channel 38 (5190 MHz):

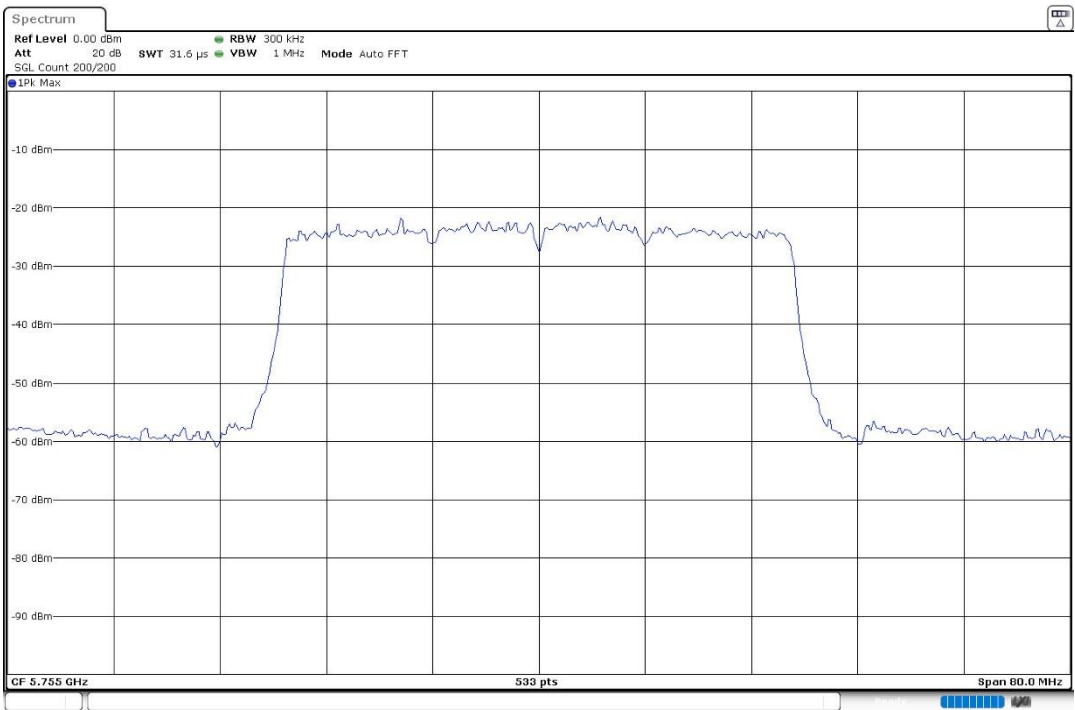
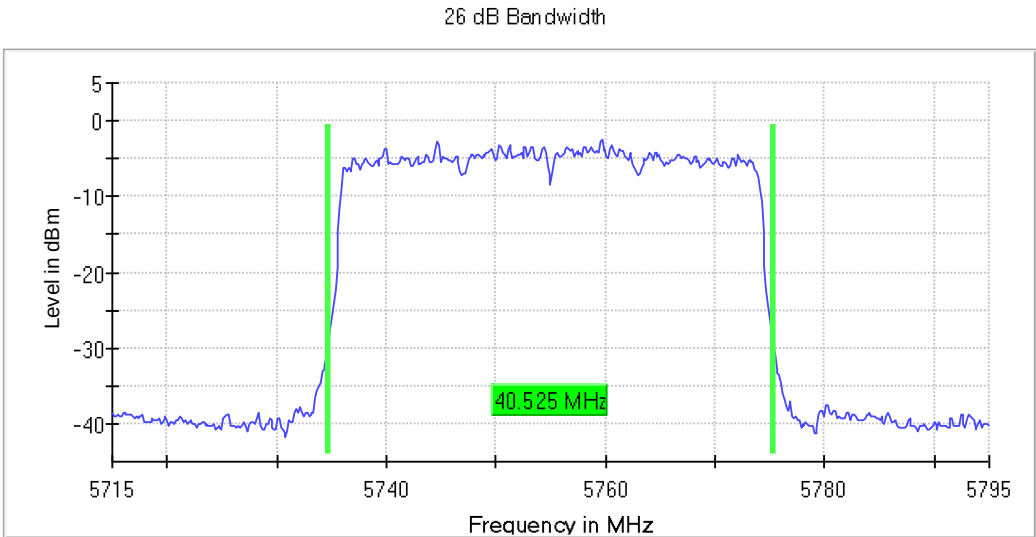


- High Channel 46 (5230 MHz):

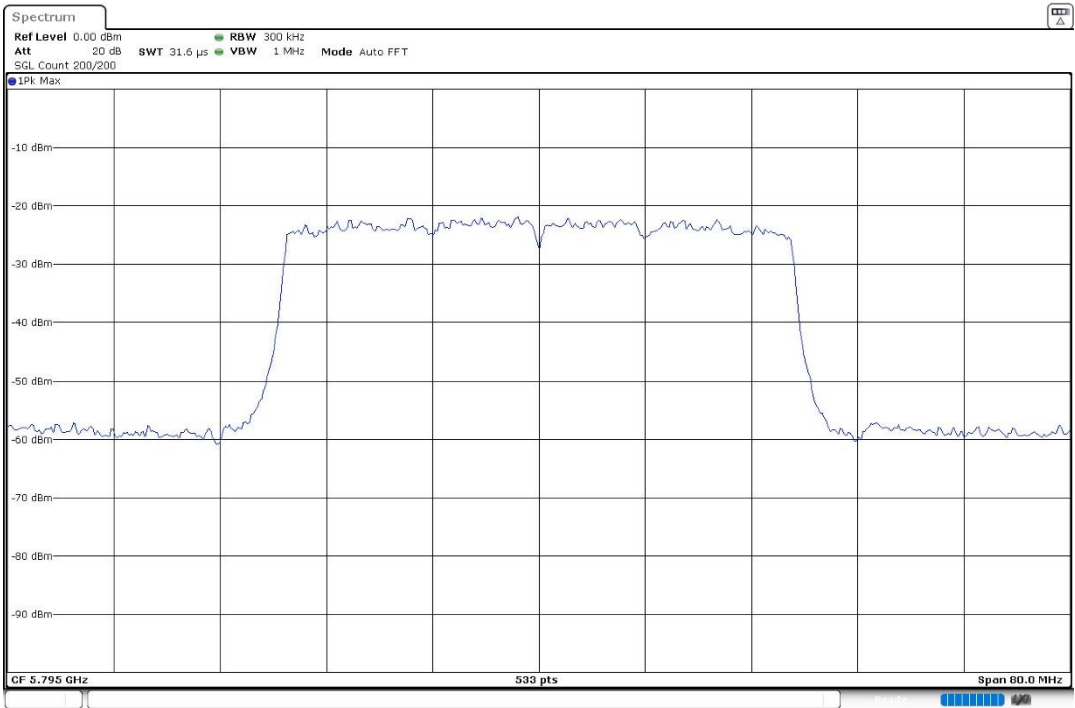
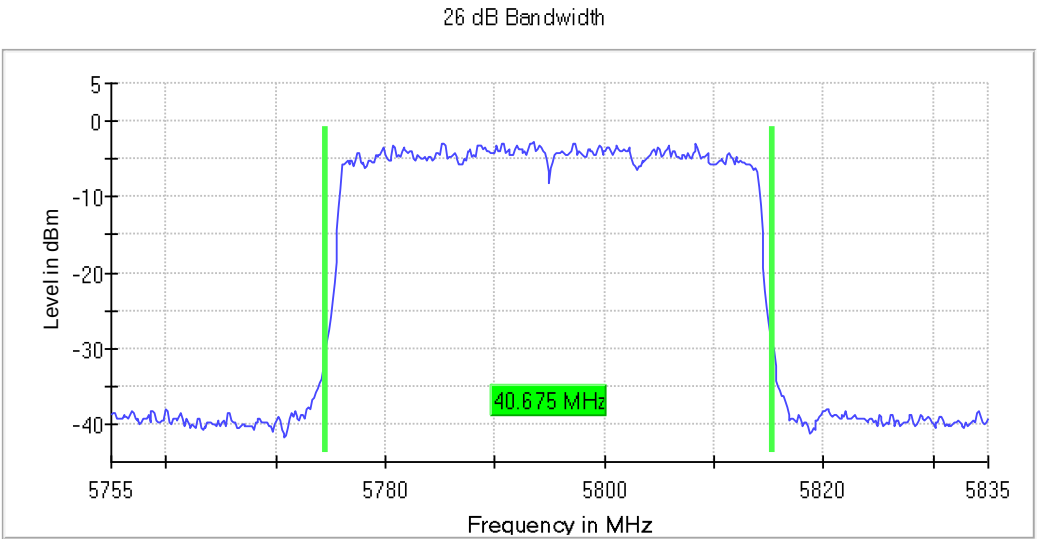


U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):



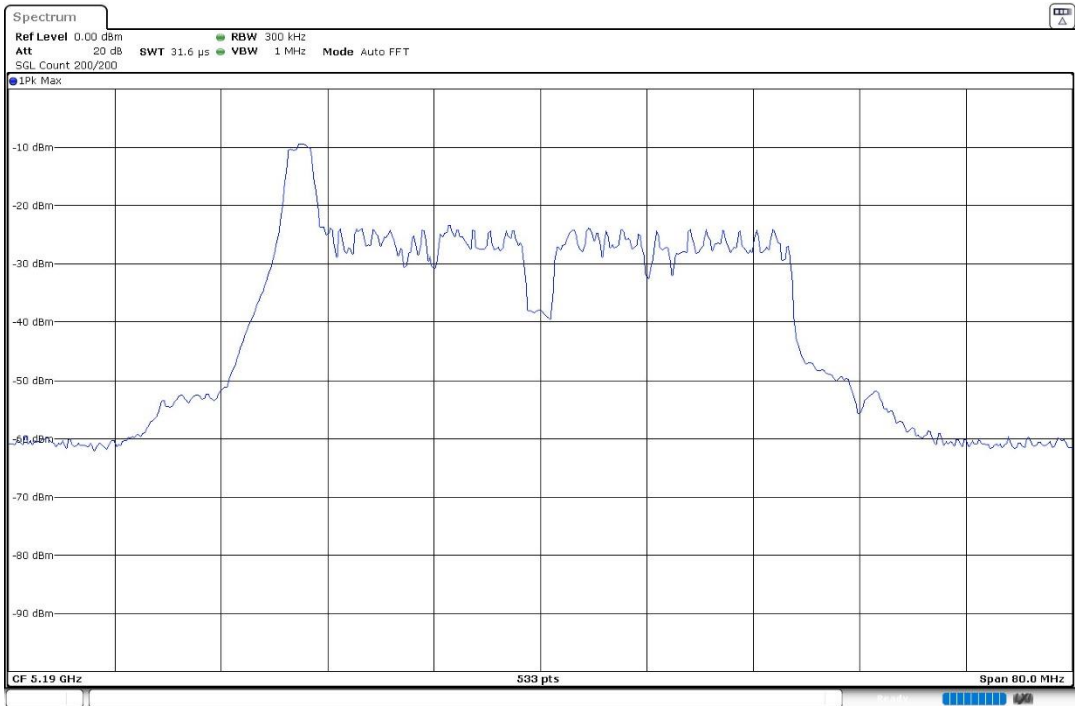
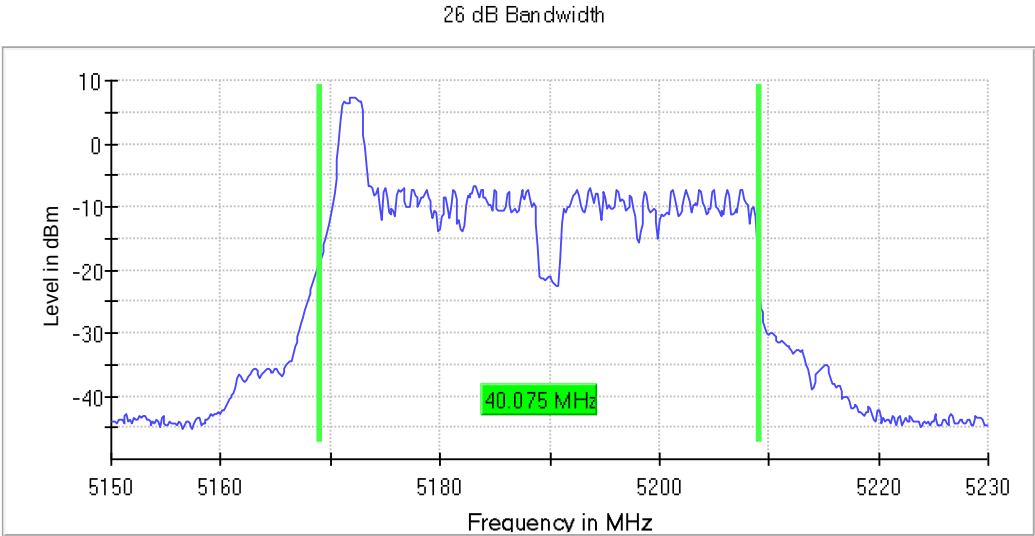
- High Channel 159 (5795 MHz):



SISO 802.11 ax40 (HE40) – RU Subcarrier allocation (RU26):

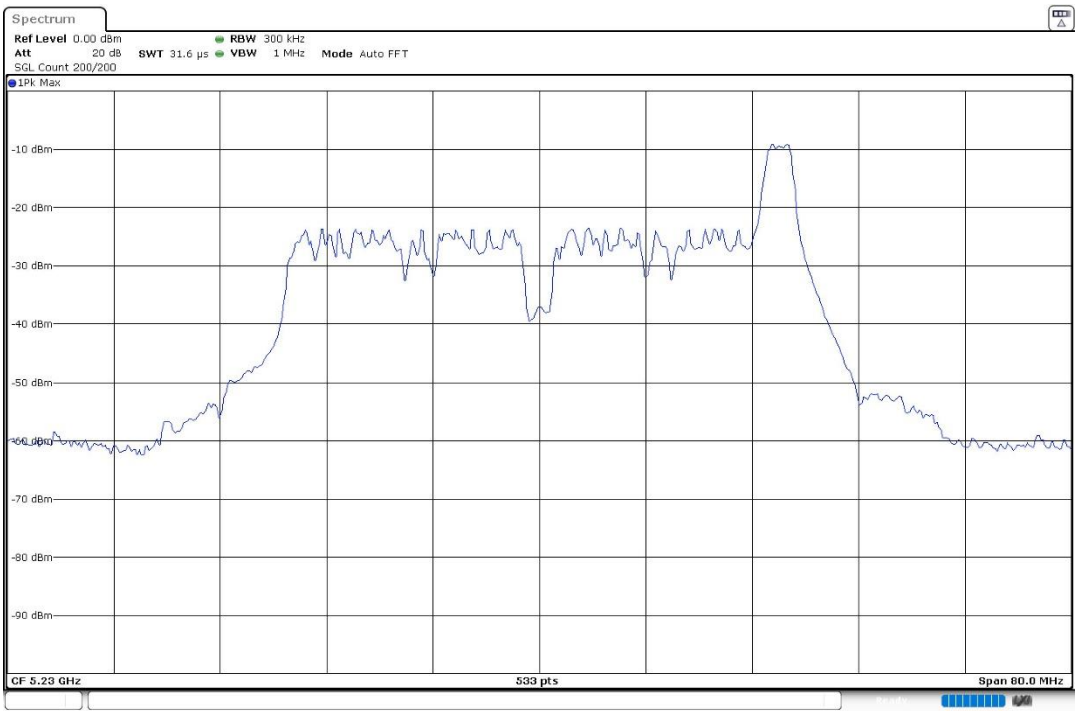
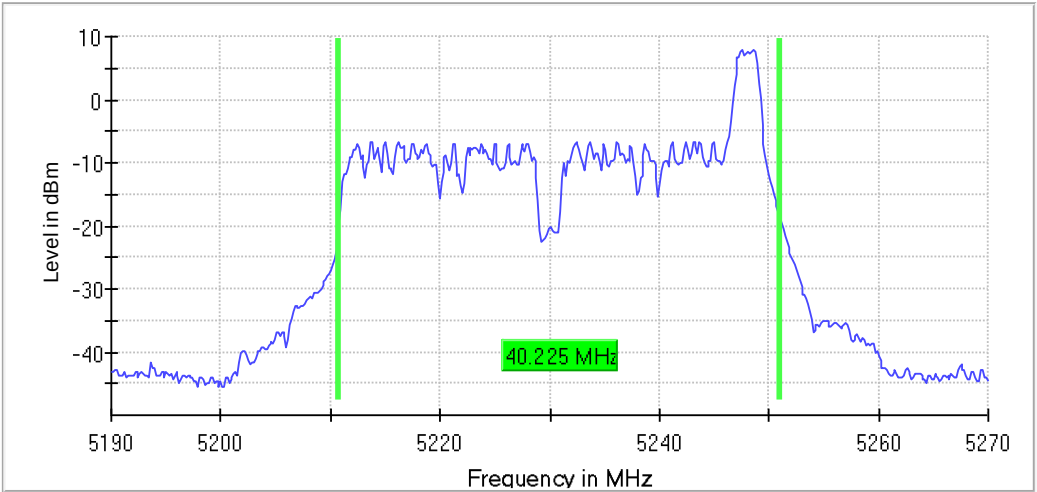
U-NII-1 (5150-5250 MHz)

- Low Channel 38 (5190 MHz) / RU26 Offset 0:



- High Channel 46 (5230 MHz) / RU26 Offset 17:

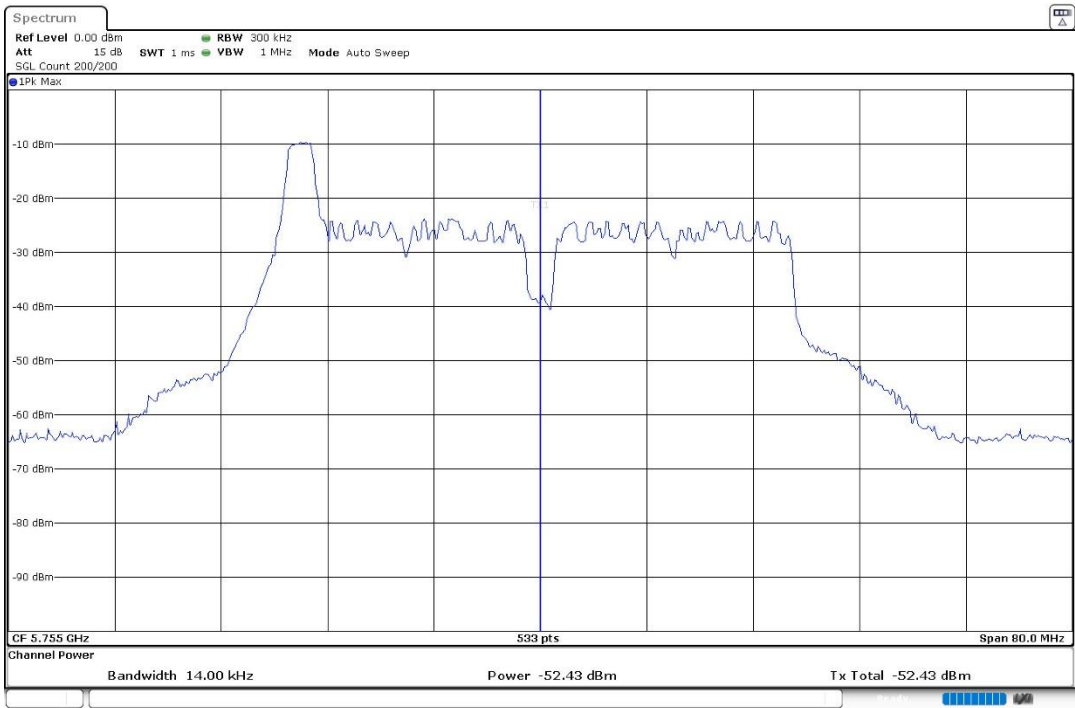
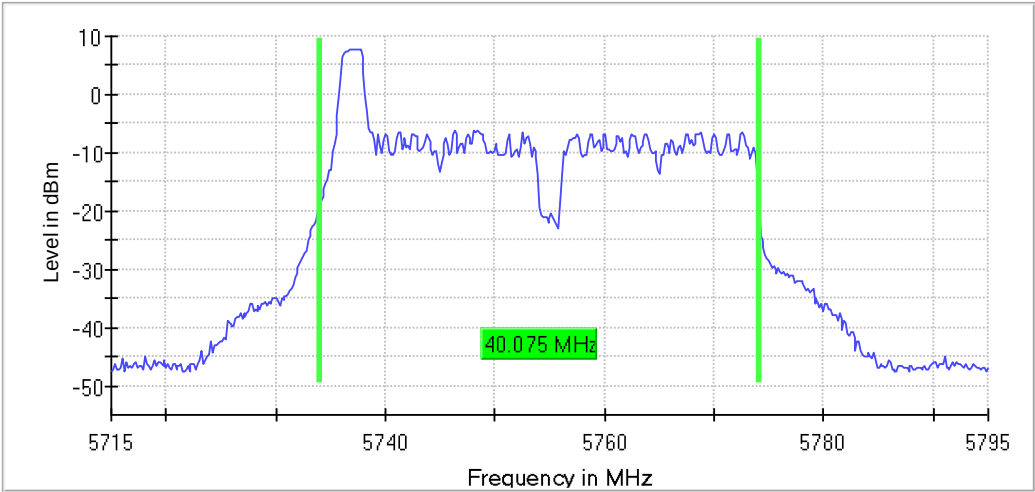
26 dB Bandwidth



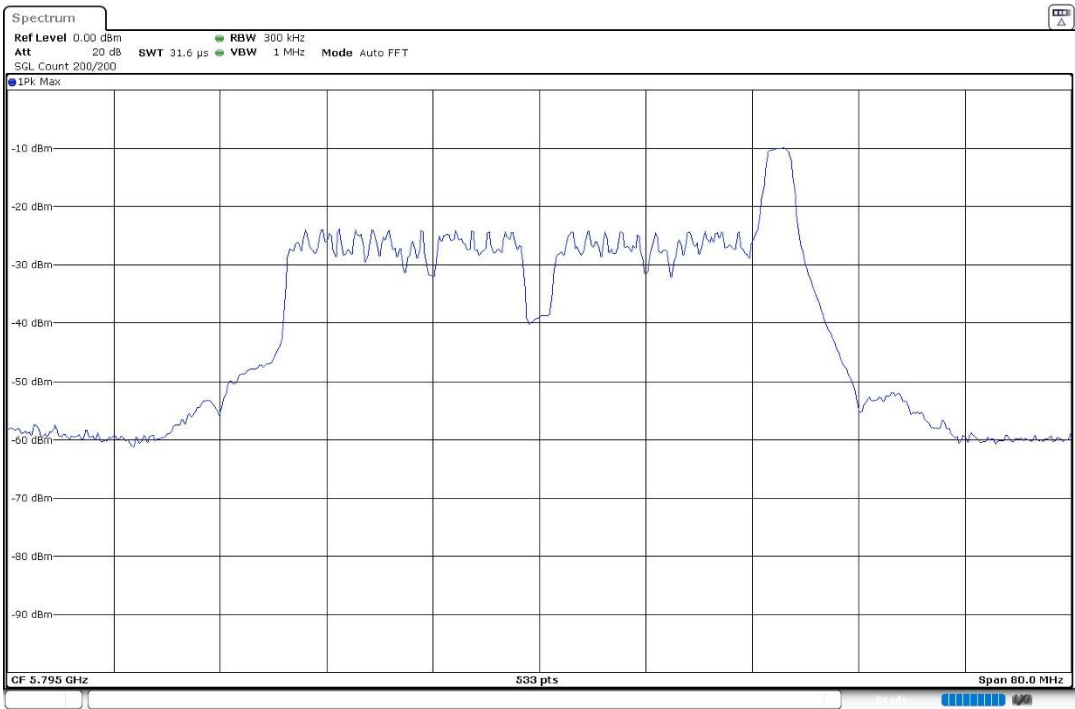
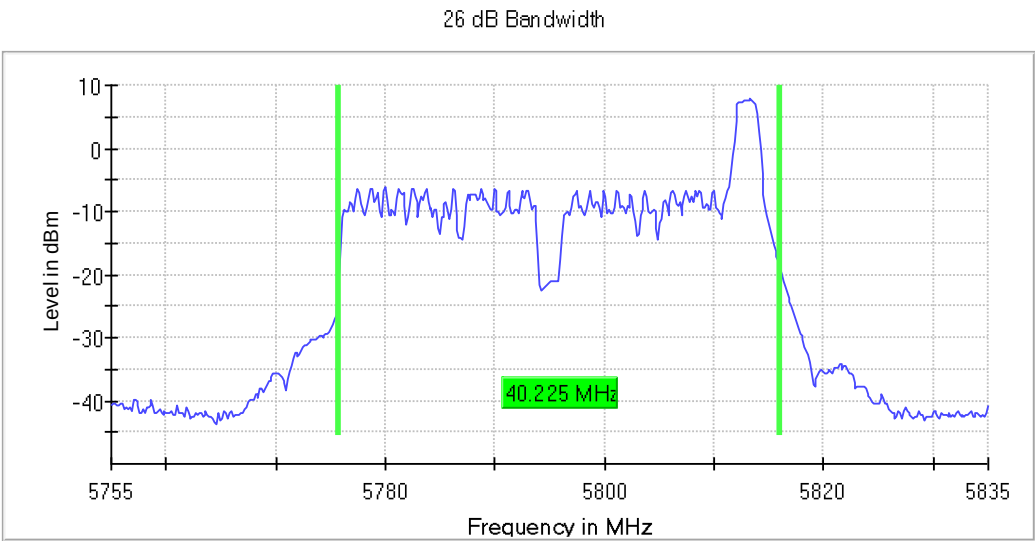
U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):

26 dB Bandwidth



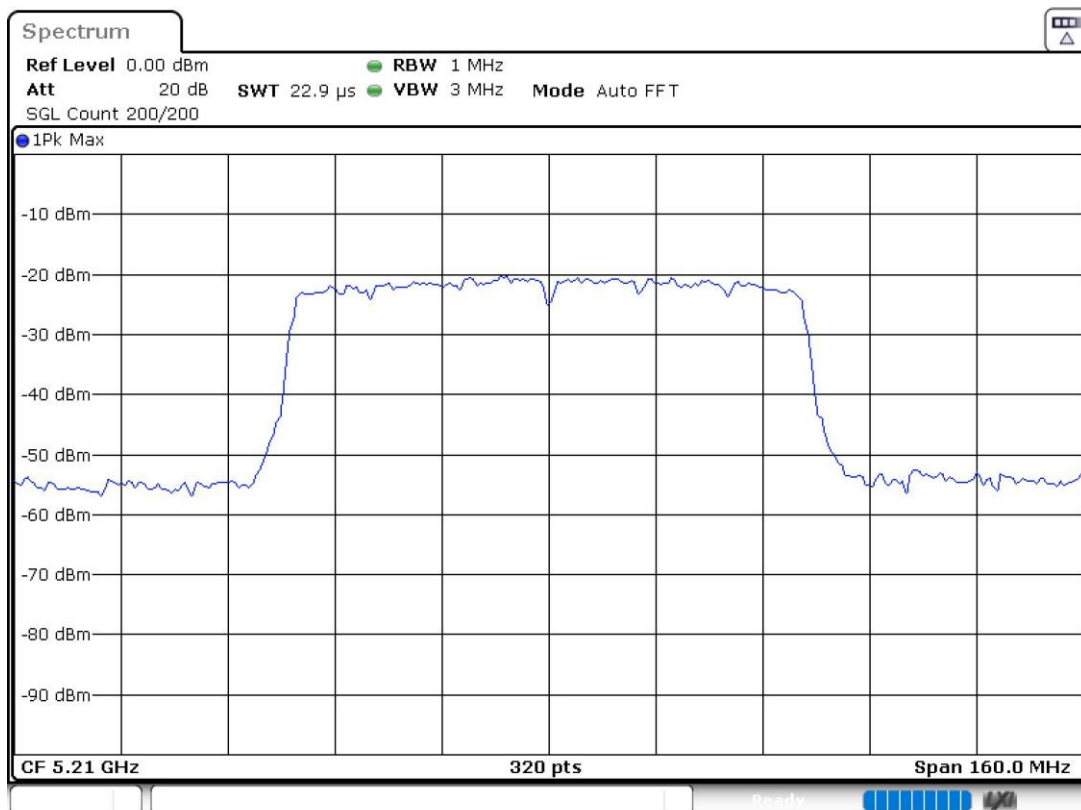
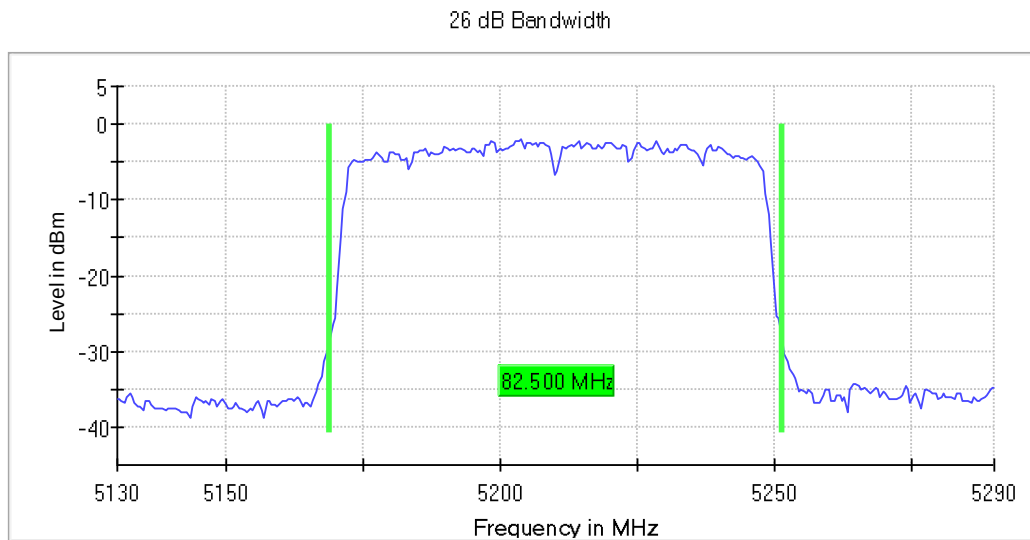
- High Channel 159 (5795 MHz):



SISO 802.11 ac80 (VHT80):

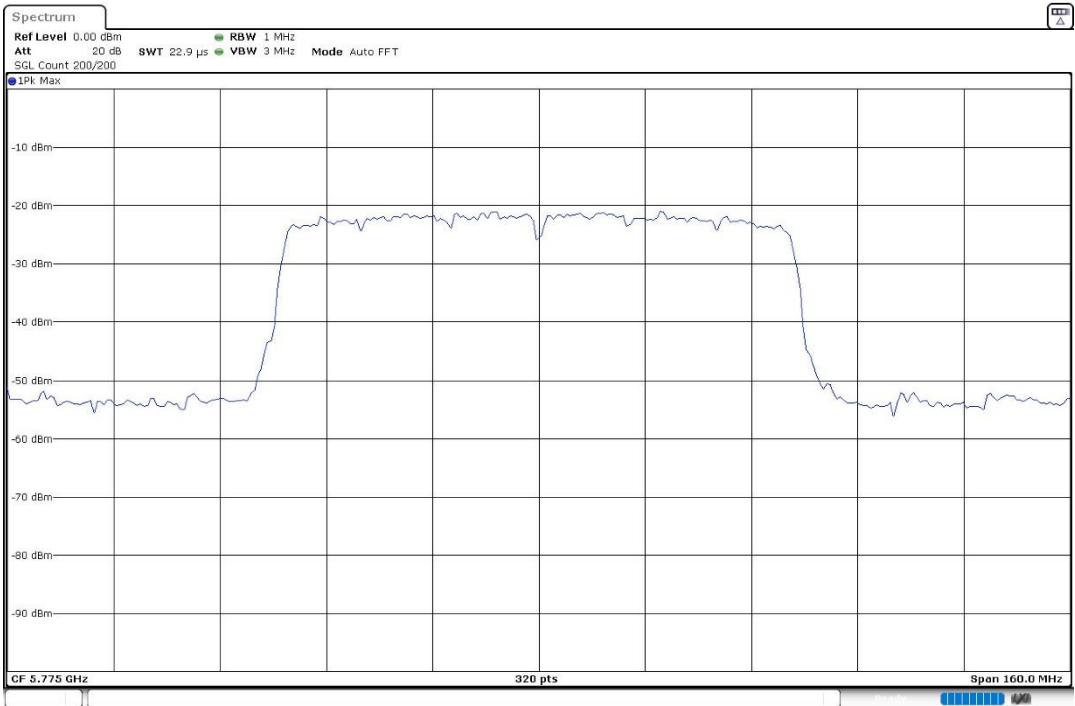
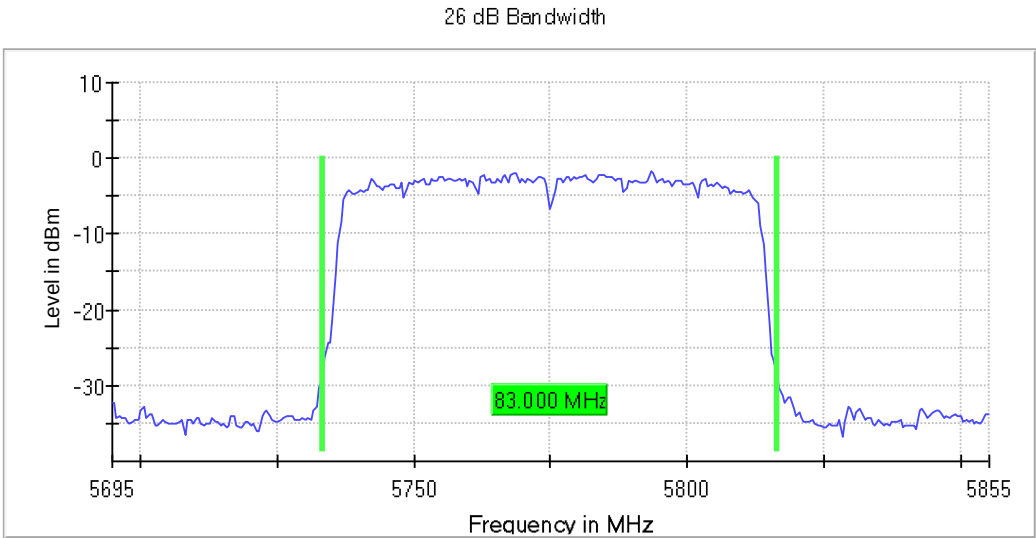
U-NII-1 (5150-5250 MHz)

- Single Channel 42 (5210 MHz):



U-NII-3 (5725-5850 MHz)

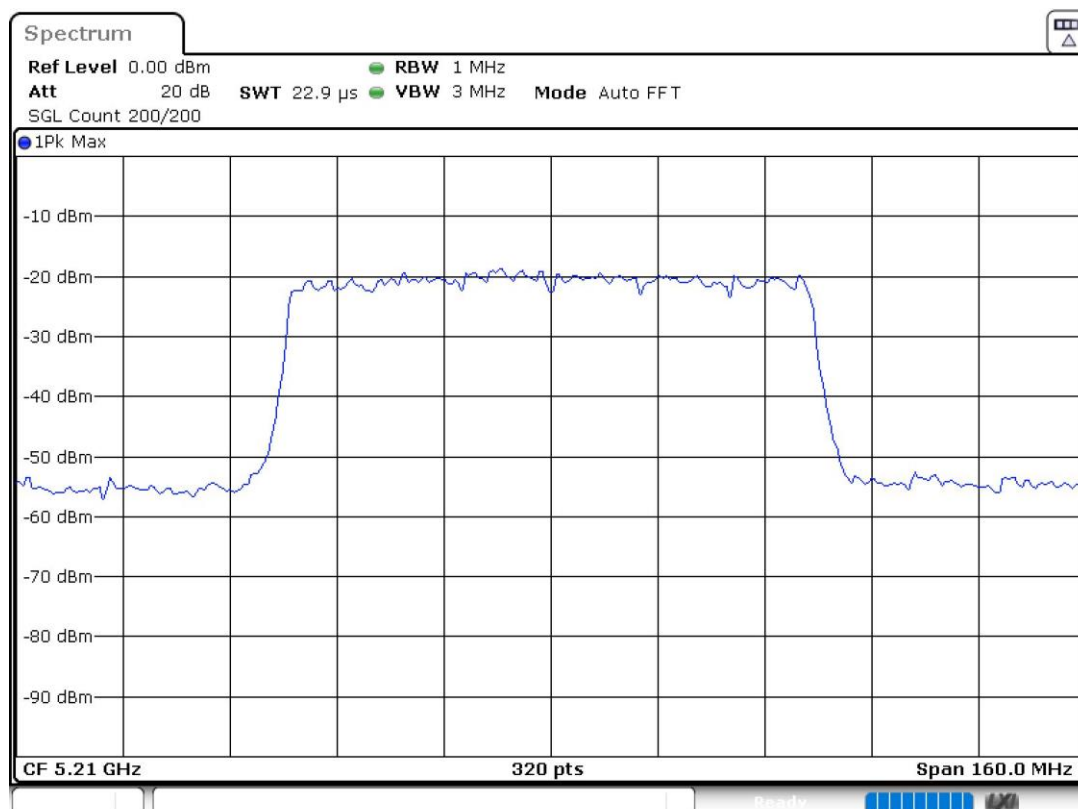
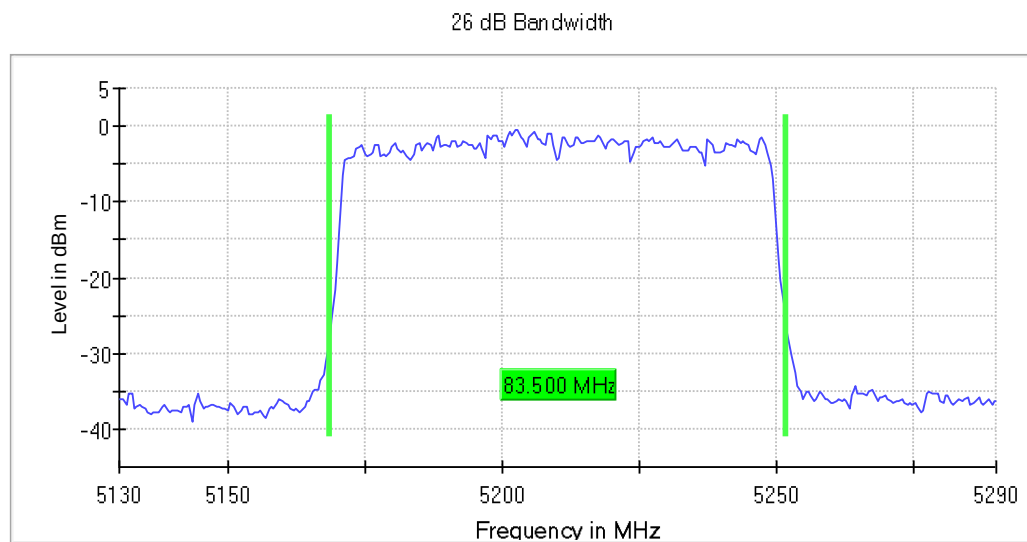
- Single Channel 155 (5775 MHz):



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

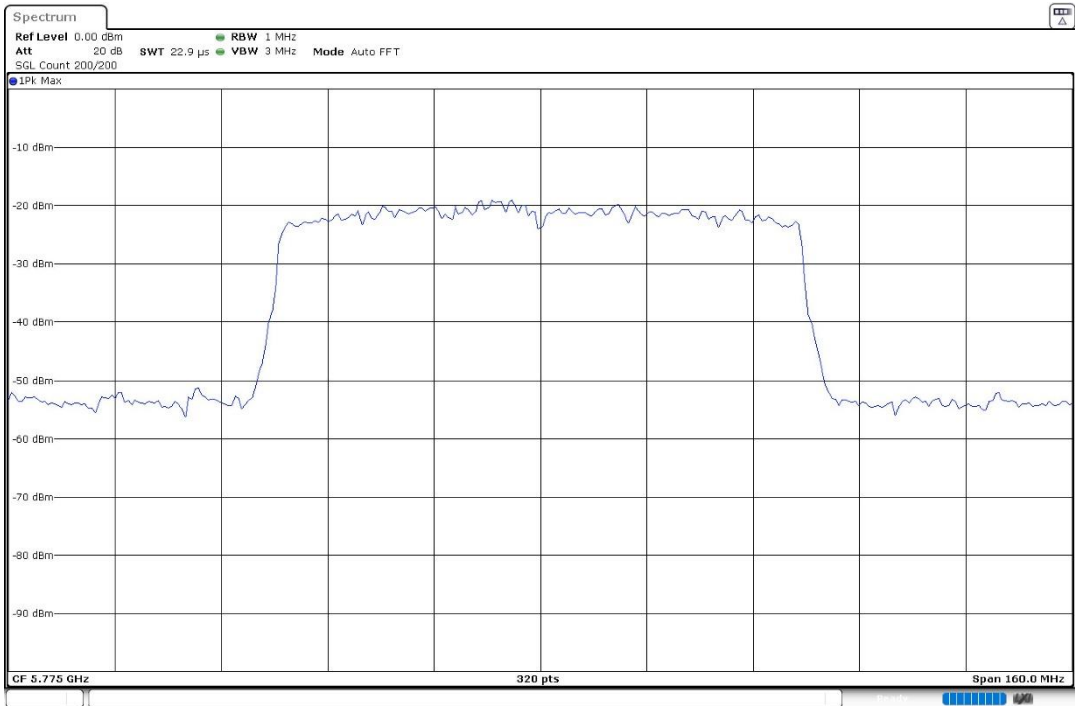
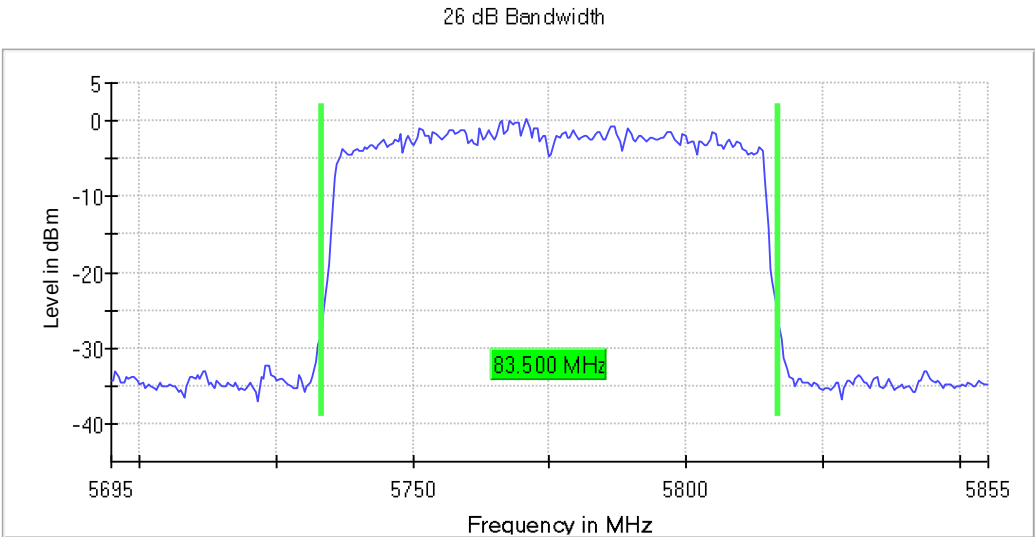
U-NII-1 (5150-5250 MHz)

- 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 44 (5220 MHz)	High Channel 48 (5240 MHz)
26 dB Emission Bandwidth (MHz)	18.900000	18.800000	18.900000
Measurement uncertainty (kHz)	< ±23.02		

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
26 dB Emission Bandwidth (MHz)	18.800000	18.600000	18.600000
Measurement uncertainty (kHz)	< ±23.02		

MIMO 802.11 n20 (HT20):

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

Channels	Low Channel 36 (5180 MHz)	Channel 44 (5220 MHz)	High Channel 48 (5240 MHz)
26 dB Emission Bandwidth (MHz)	20.200000	20.200000	20.100000
Measurement uncertainty (kHz)	< ±23.02		

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
26 dB Emission Bandwidth (MHz)	20.100000	20.000000	20.000000
Measurement uncertainty (kHz)	< ±23.02		

MIMO 802.11 ac20 (VHT20):

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

Channels	Low Channel 36 (5180 MHz)	Channel 44 (5220 MHz)	High Channel 48 (5240 MHz)
26 dB Emission Bandwidth (MHz)	20.300000	20.100000	20.300000
Measurement uncertainty (kHz)	< ±23.02		

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
26 dB Emission Bandwidth (MHz)	20.000000	20.200000	20.300000
Measurement uncertainty (kHz)	< ±23.02		

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

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

Channels	Low Channel 36 (5180 MHz)	Middle Channel 44 (5220 MHz)	High Channel 48 (5240 MHz)
26 dB Emission Bandwidth (MHz)	21.100000	21.000000	20.800000
Measurement uncertainty (kHz)	< ±23.02		

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
26 dB Emission Bandwidth (MHz)	21.100000	21.300000	21.200000
Measurement uncertainty (kHz)	< ±23.02		

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)	Middle Channel 42 (5200 MHz)	High Channel 48 (5240 MHz)
26 dB Emission Bandwidth (MHz)	20.300000	18.900000	20.300000
Measurement uncertainty (kHz)	< ±23.02		

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
26 dB Emission Bandwidth (MHz)	20.100000	18.600000	20.200000
Measurement uncertainty (kHz)	< ±23.02		

MIMO 802.11 n40 (HT40):

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

Channels	Low Channel 38 (5190 MHz)	High Channel 46 (5230 MHz)
26 dB Emission Bandwidth (MHz)	39.474672	39.474672
Measurement uncertainty (kHz)	< ±23.02	

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
26 dB Emission Bandwidth (MHz)	39.624766	39.324578
Measurement uncertainty (kHz)	< ±23.02	

MIMO 802.11 ac40 (VHT40):

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

Channels	Low Channel 38 (5190 MHz)	High Channel 46 (5230 MHz)
26 dB Emission Bandwidth (MHz)	39.624766	39.624766
Measurement uncertainty (kHz)	< ±23.02	

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
26 dB Emission Bandwidth (MHz)	39.324578	39.324578
Measurement uncertainty (kHz)	< ±23.02	

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

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)
26 dB Emission Bandwidth (MHz)	40.525328	40.675422
Measurement uncertainty (kHz)	< ±23.02	

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
26 dB Emission Bandwidth (MHz)	40.375234	40.375234
Measurement uncertainty (kHz)	< ±23.02	

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)
26 dB Emission Bandwidth (MHz)	40.075047	39.924954
Measurement uncertainty (kHz)	< ±23.02	

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
26 dB Emission Bandwidth (MHz)	39.924953	40.225141
Measurement uncertainty (kHz)	< ±23.02	

MIMO 802.11 ac80 (VHT80):

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

Channel	Single Channel 42 (5210 MHz)
26 dB Emission Bandwidth (MHz)	83.000000
Measurement uncertainty (kHz)	< ±23.02

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

Channel	Single Channel 155 (5775 MHz)
26 dB Emission Bandwidth (MHz)	82.500000
Measurement uncertainty (kHz)	< ±23.02

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

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

Channel	Single Channel 42 (5210 MHz)
26 dB Emission Bandwidth (MHz)	84.000000
Measurement uncertainty (kHz)	< ±23.02

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

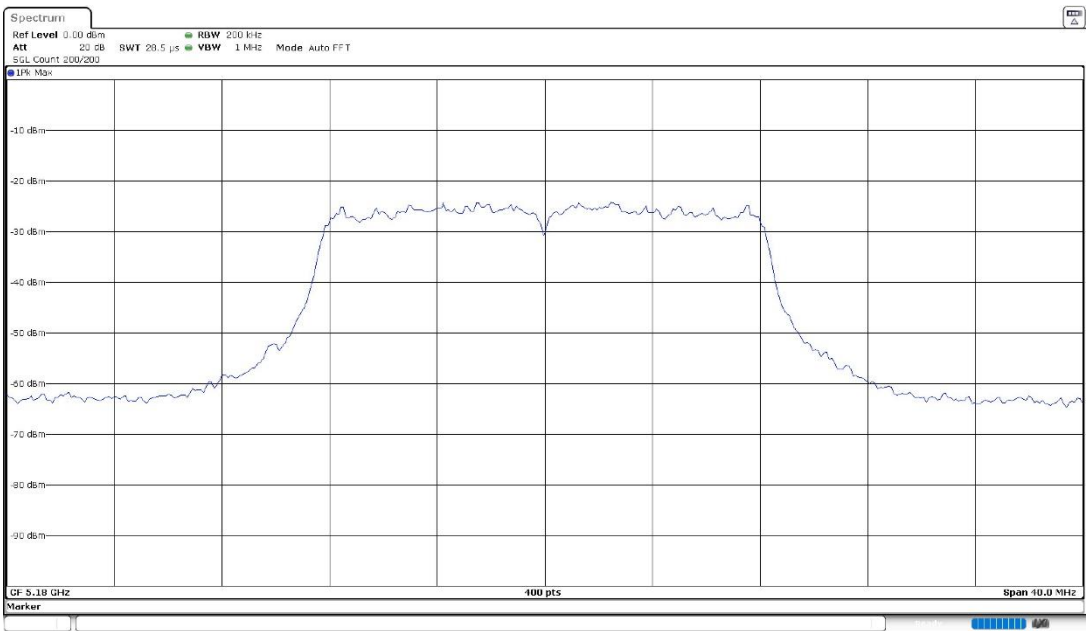
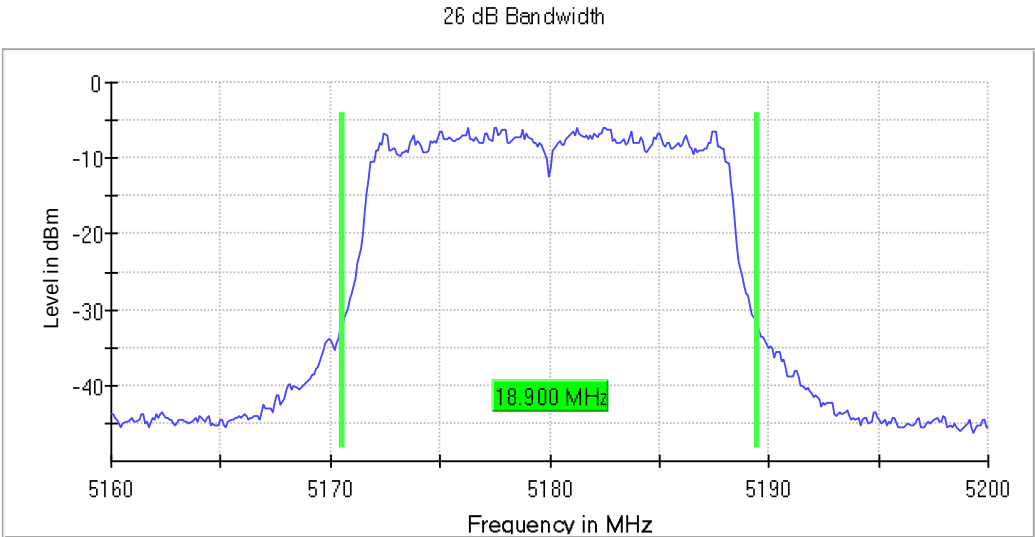
Channel	Single Channel 155 (5775 MHz)
26 dB Emission Bandwidth (MHz)	83.500000
Measurement uncertainty (kHz)	< ±23.02

MIMO worst case

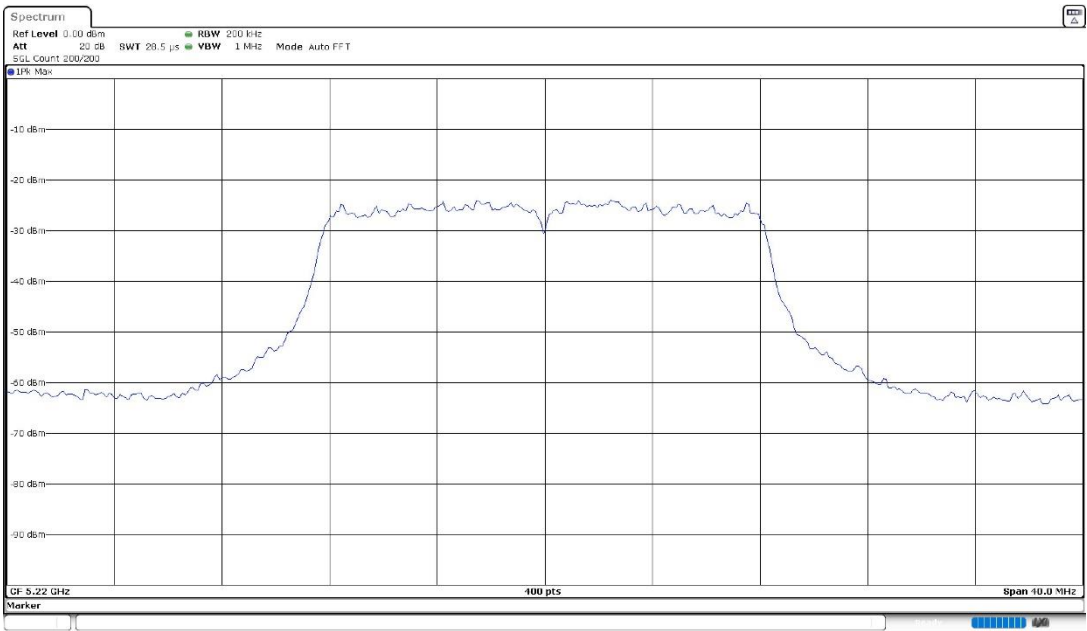
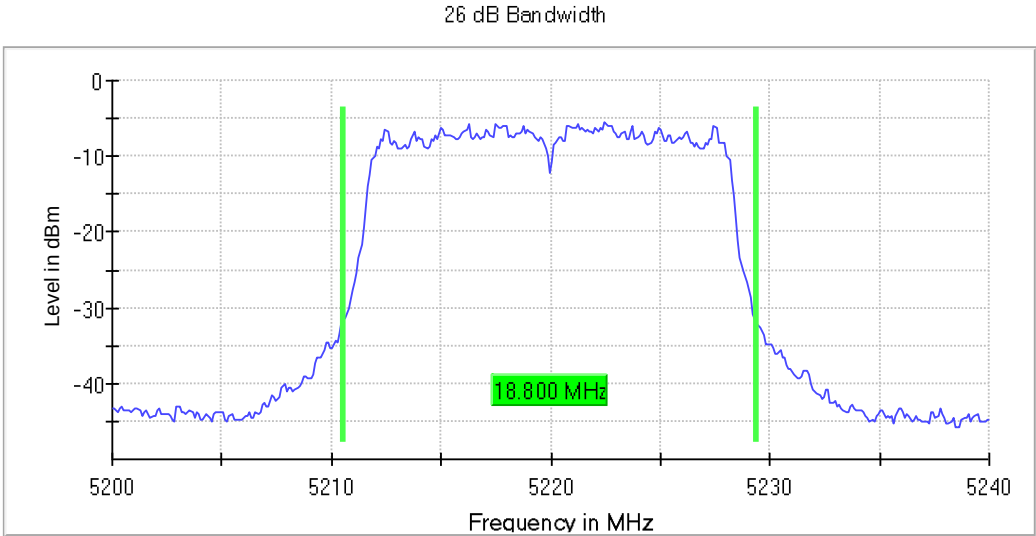
MIMO 802.11 a20:

U-NII-1 (5150-5250 MHz)

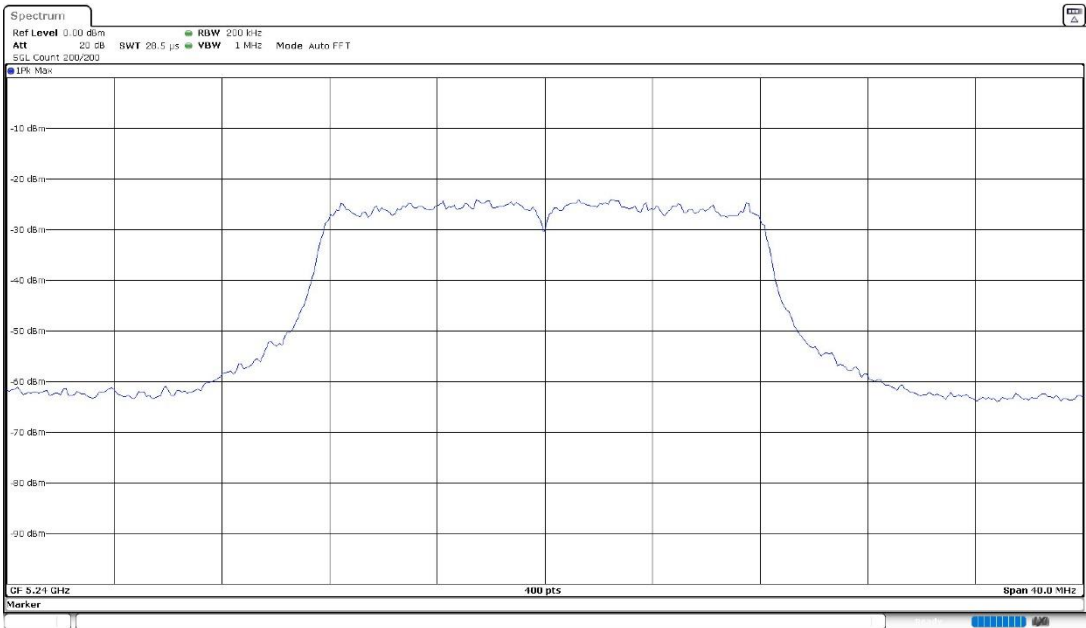
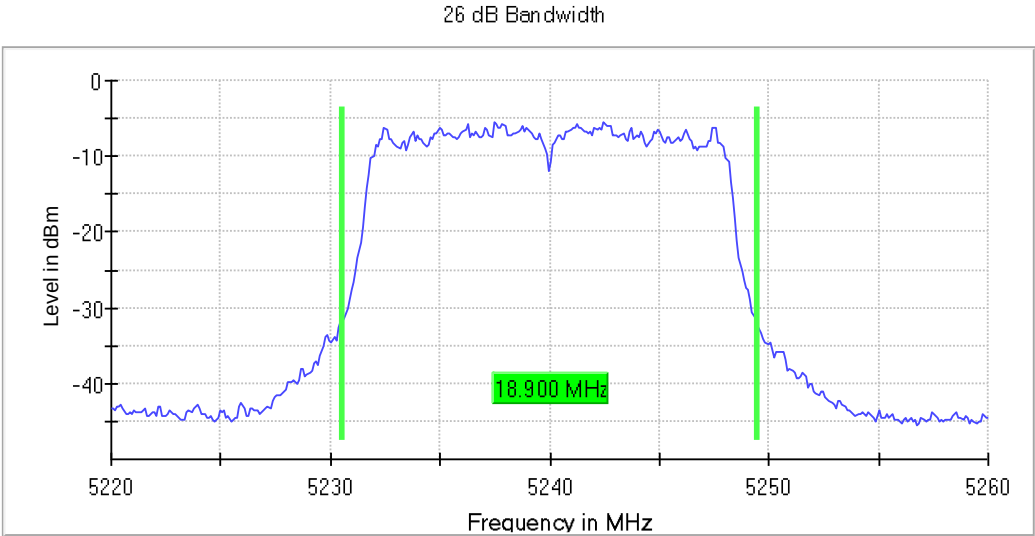
- Low Channel 36 (5180 MHz):



- Channel 44 (5220 MHz):

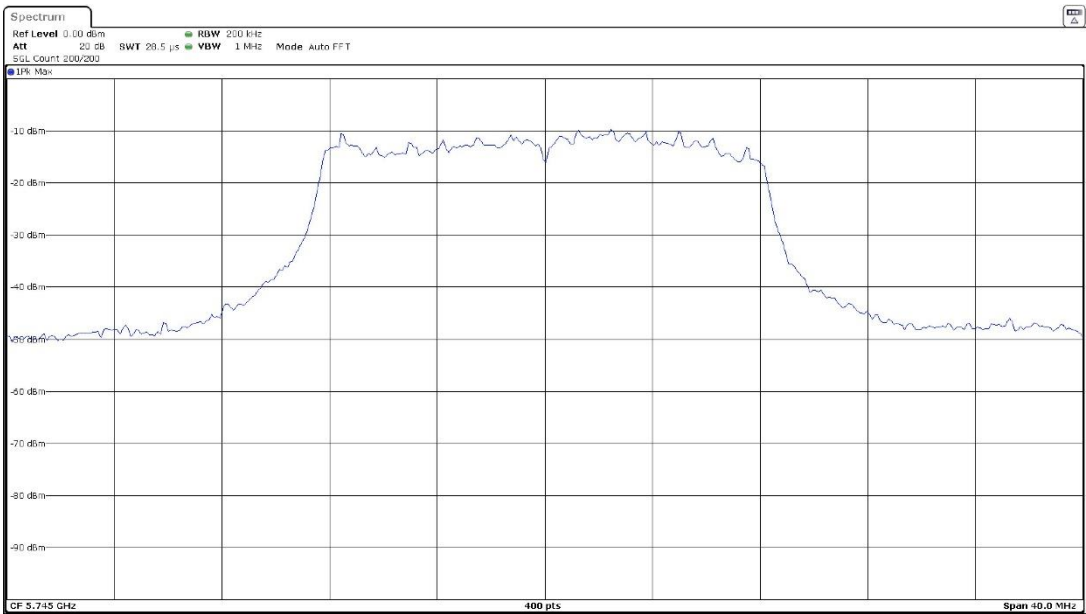
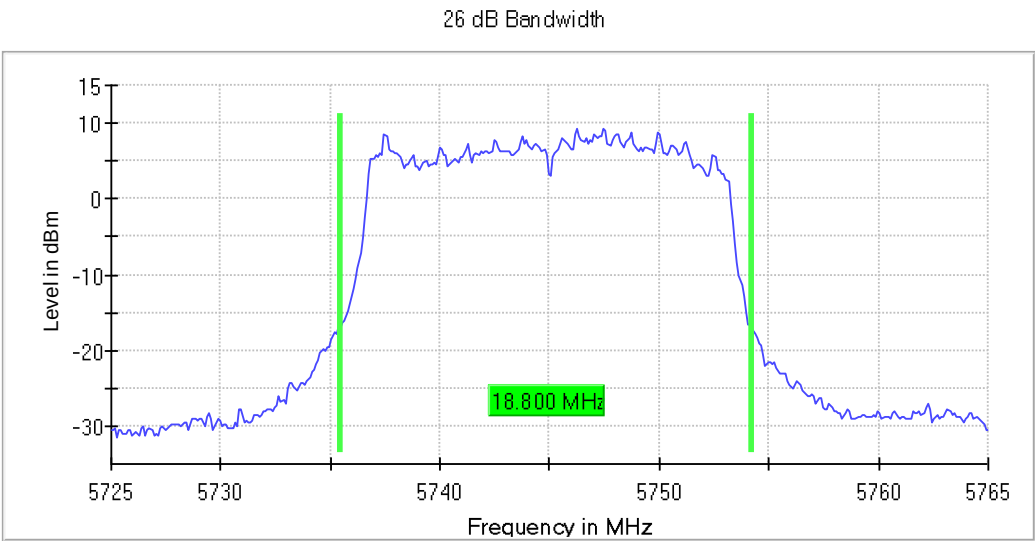


- High Channel 48 (5240 MHz):

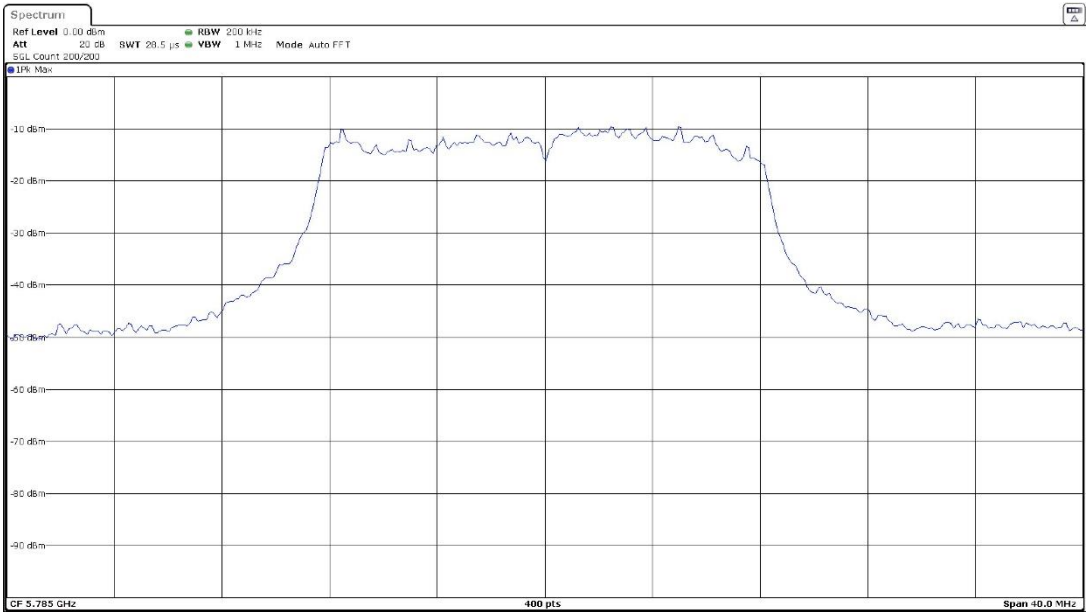
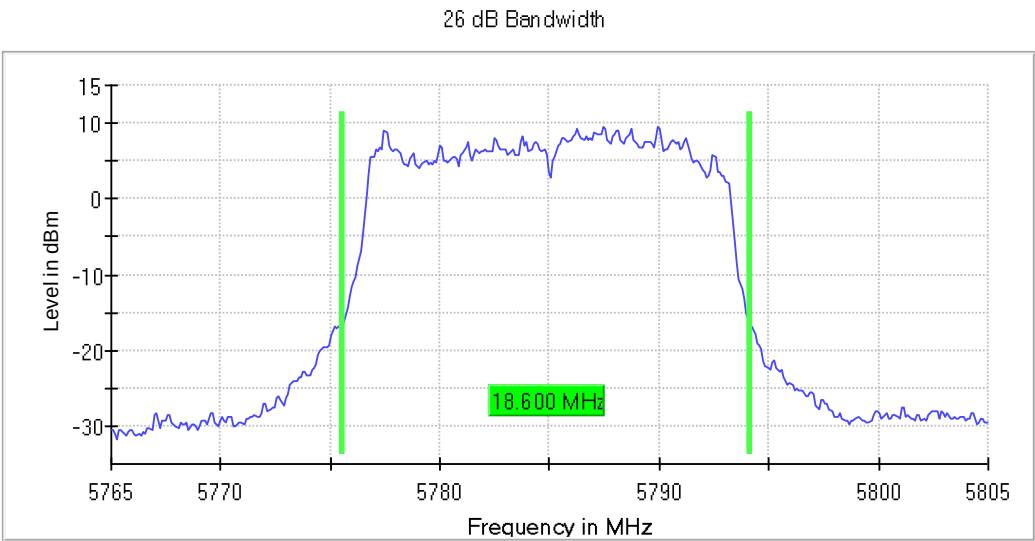


U-NII-3 (5725-5850 MHz)

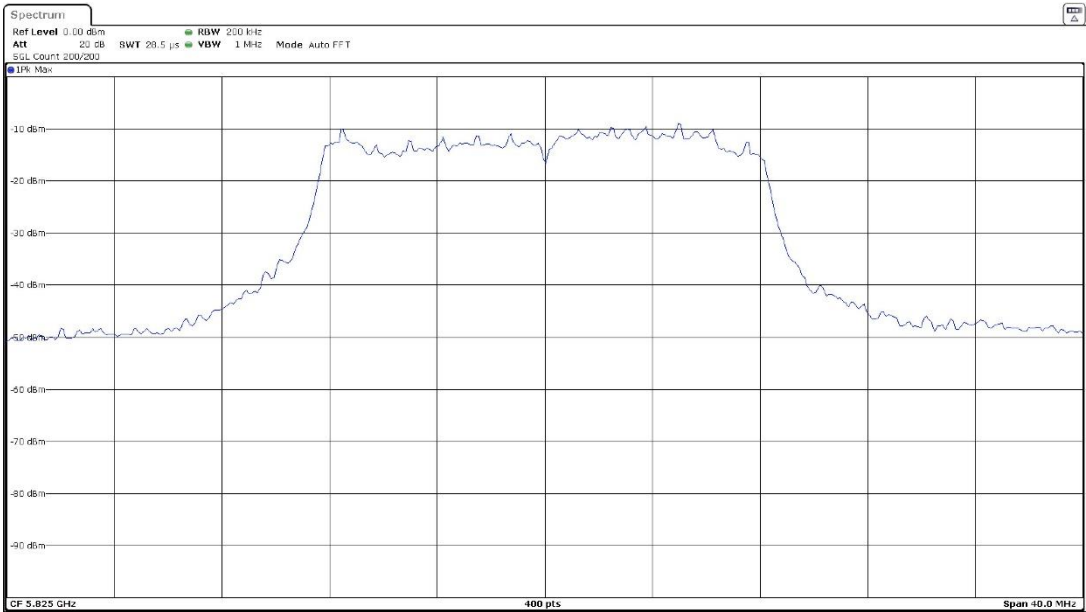
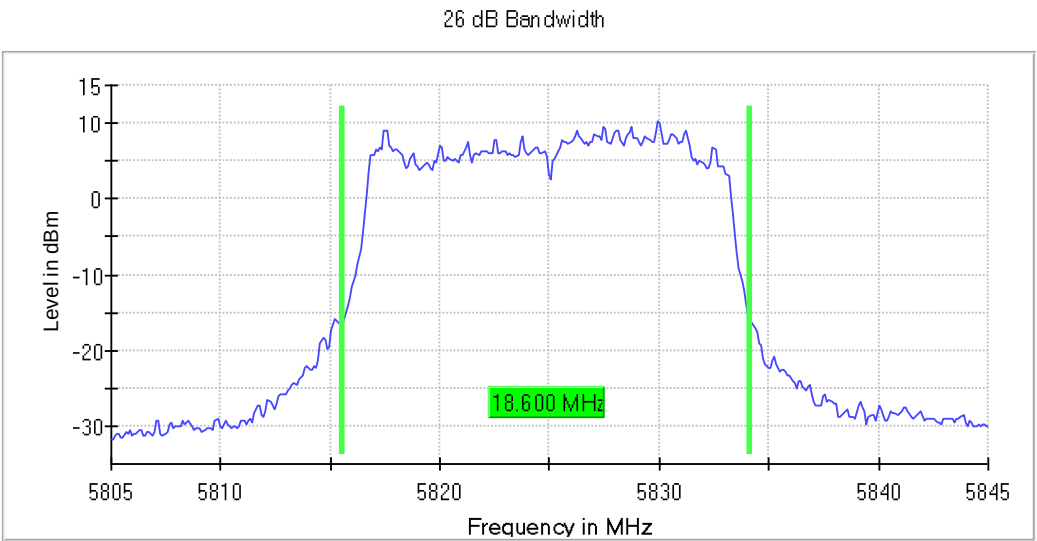
- Low Channel 149 (5745 MHz):



- Middle Channel 157 (5785 MHz):



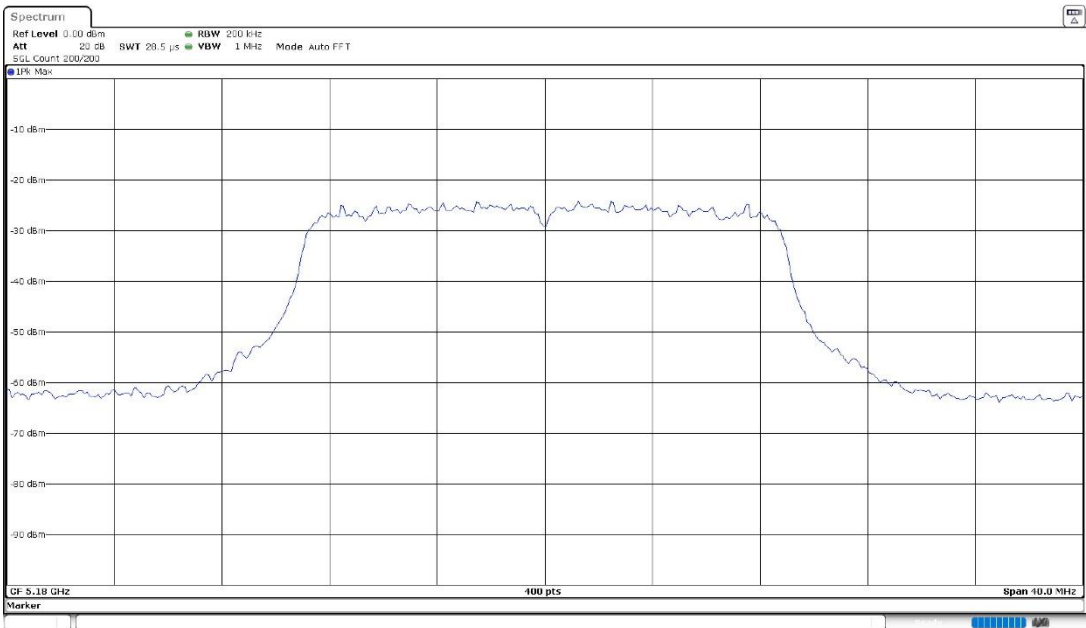
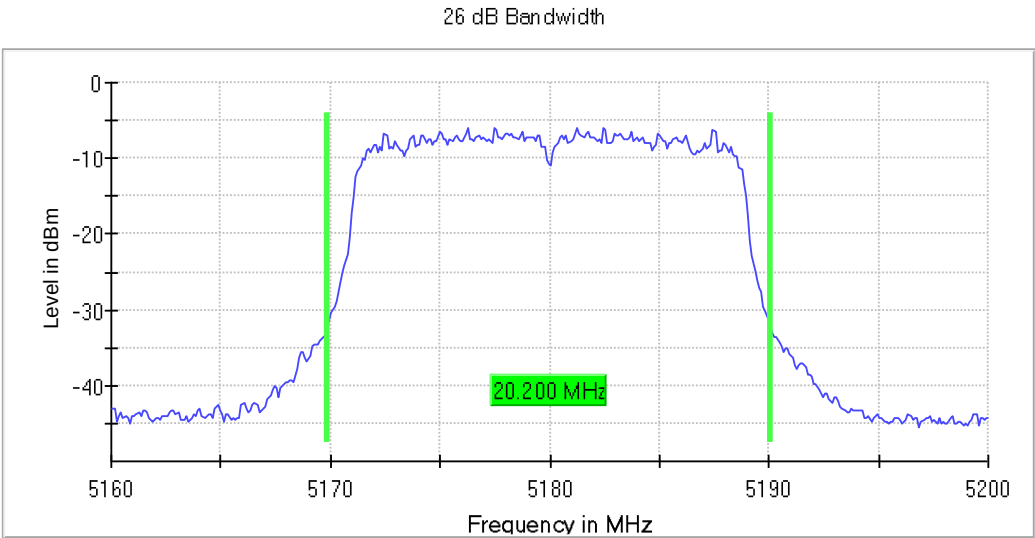
- High Channel 165 (5825 MHz):



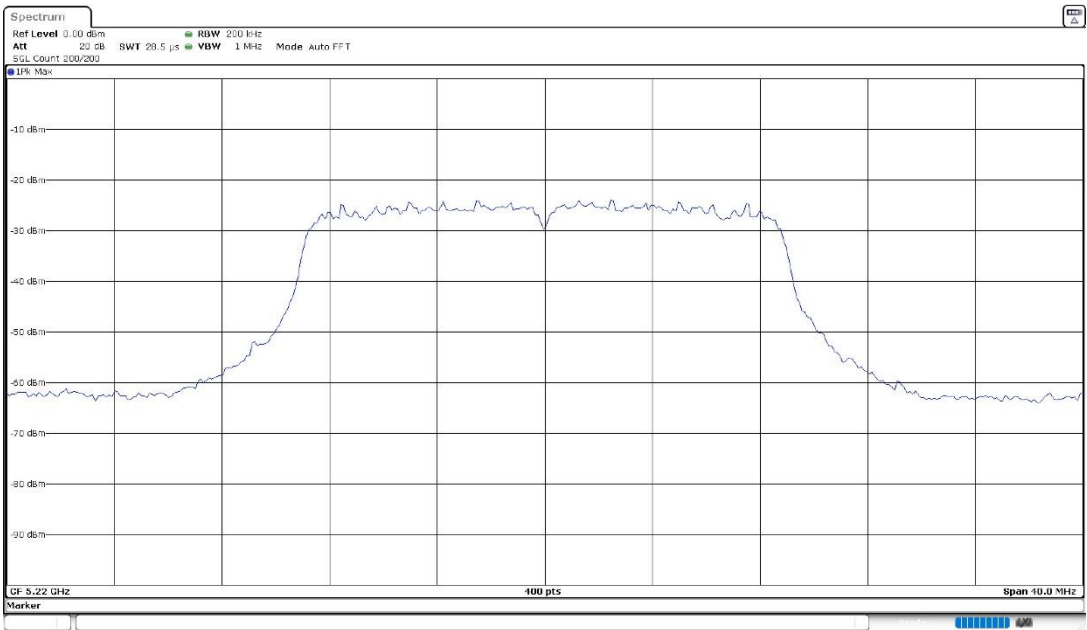
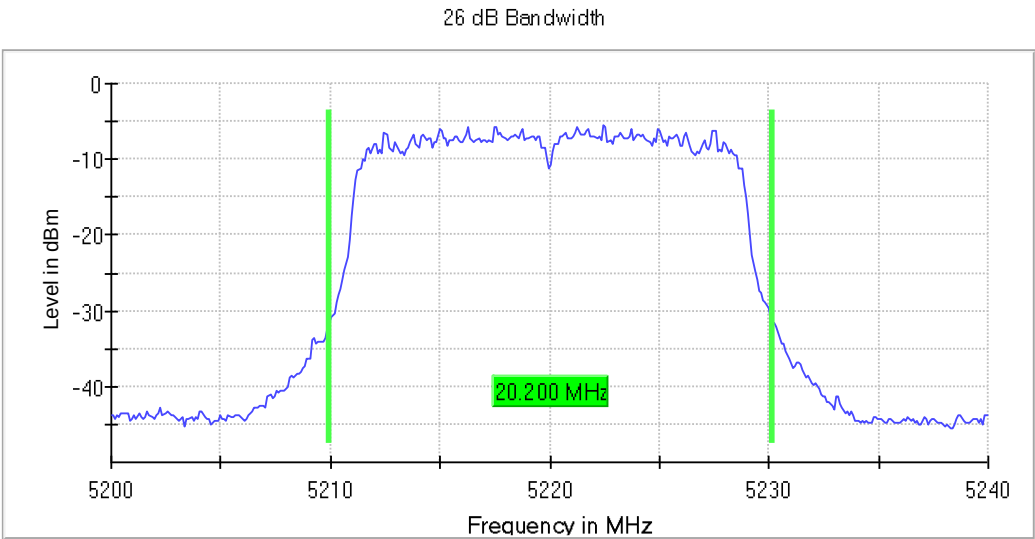
MIMO 802.11 n20 (HT20):

U-NII-1 (5150-5250 MHz)

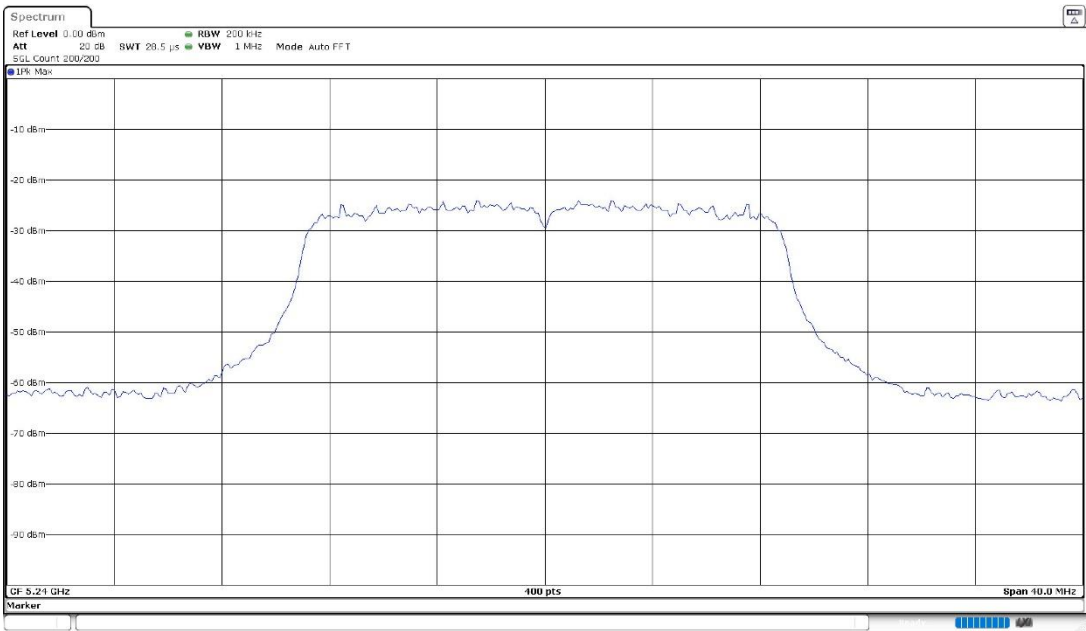
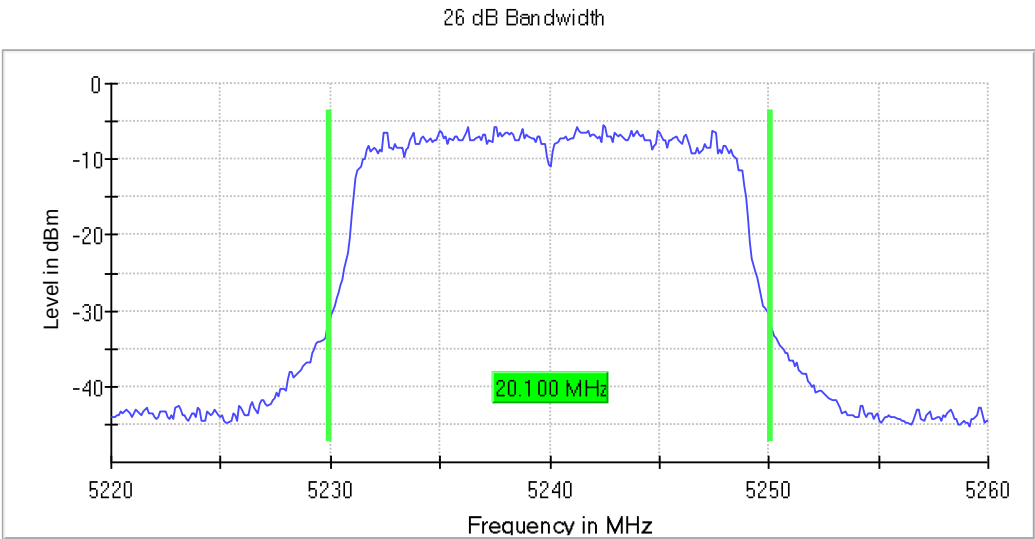
- Low Channel 36 (5180 MHz):



- Channel 44 (5220 MHz):

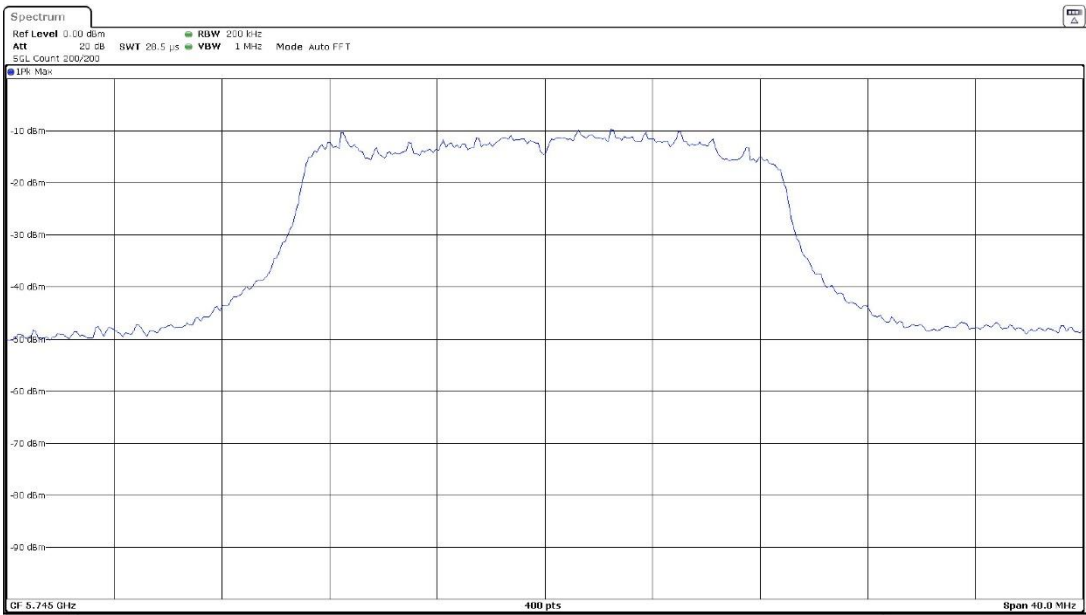
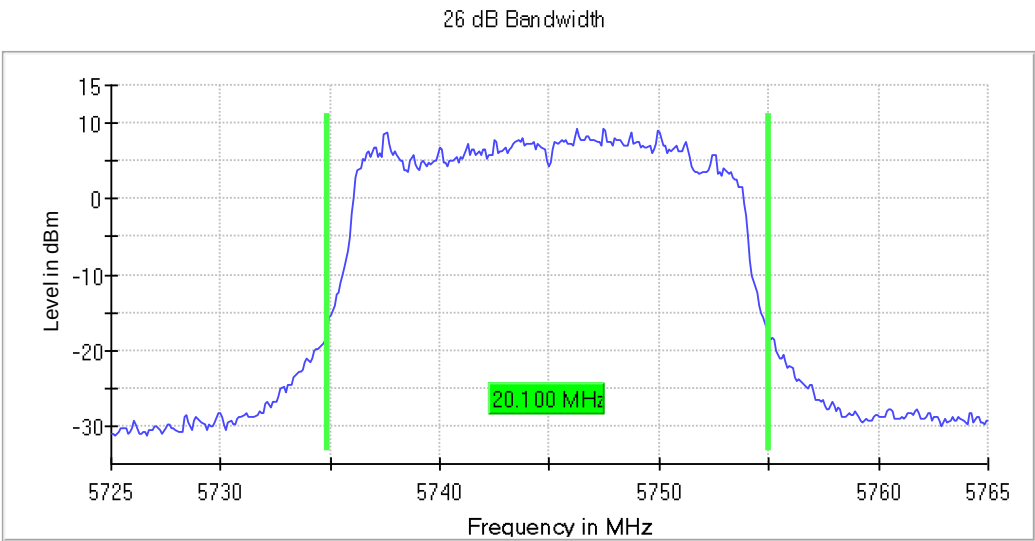


- High Channel 48 (5240 MHz):

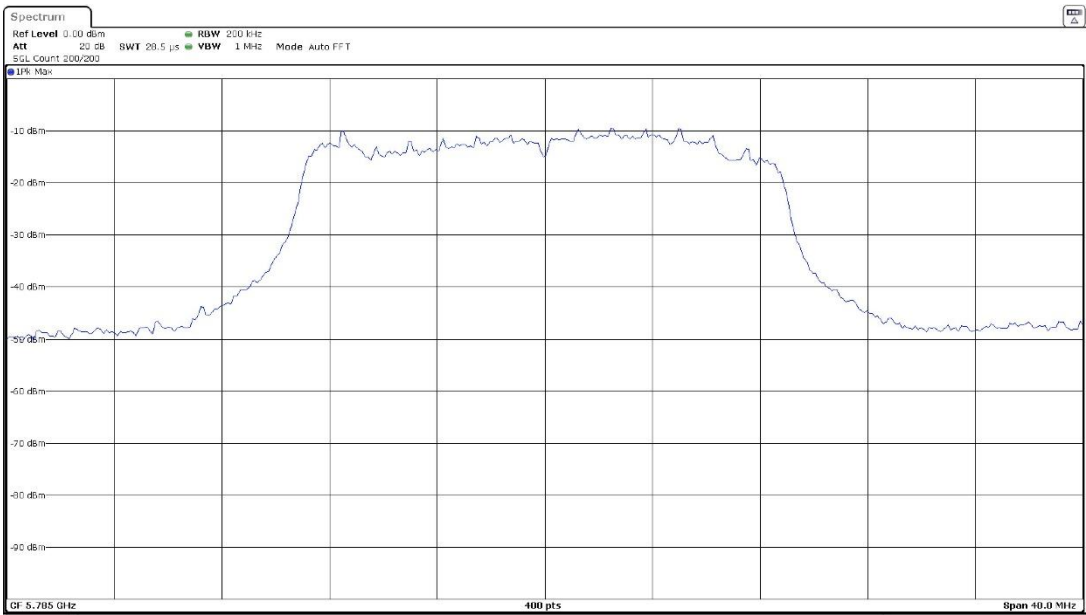
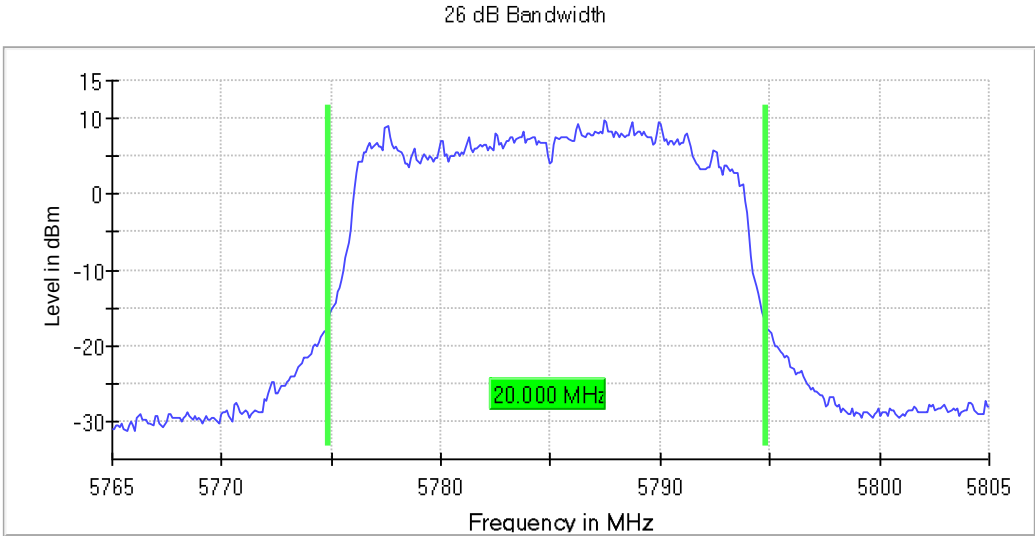


U-NII-3 (5725-5850 MHz)

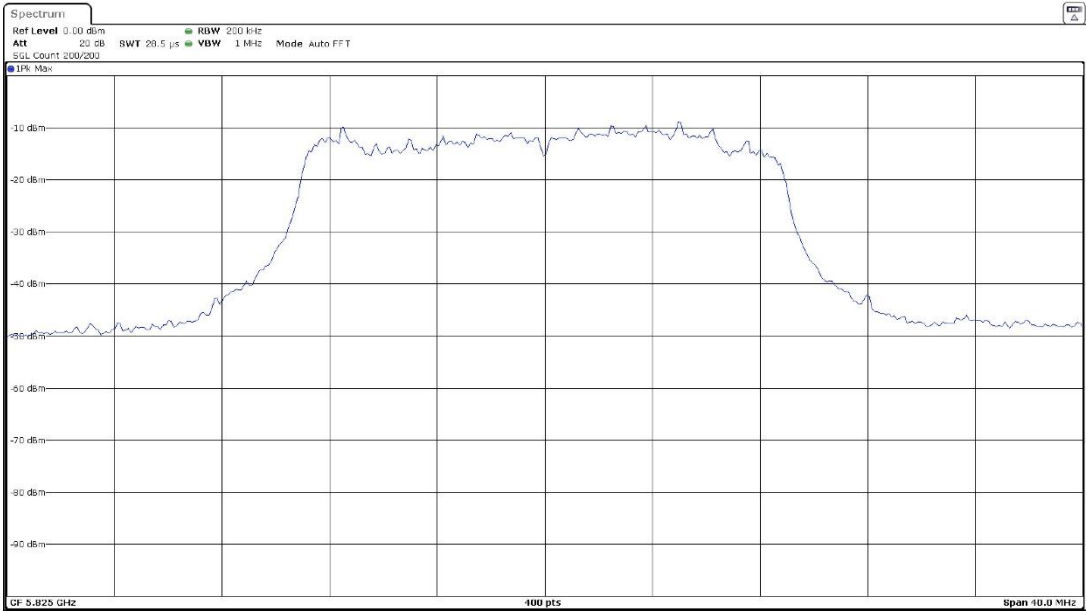
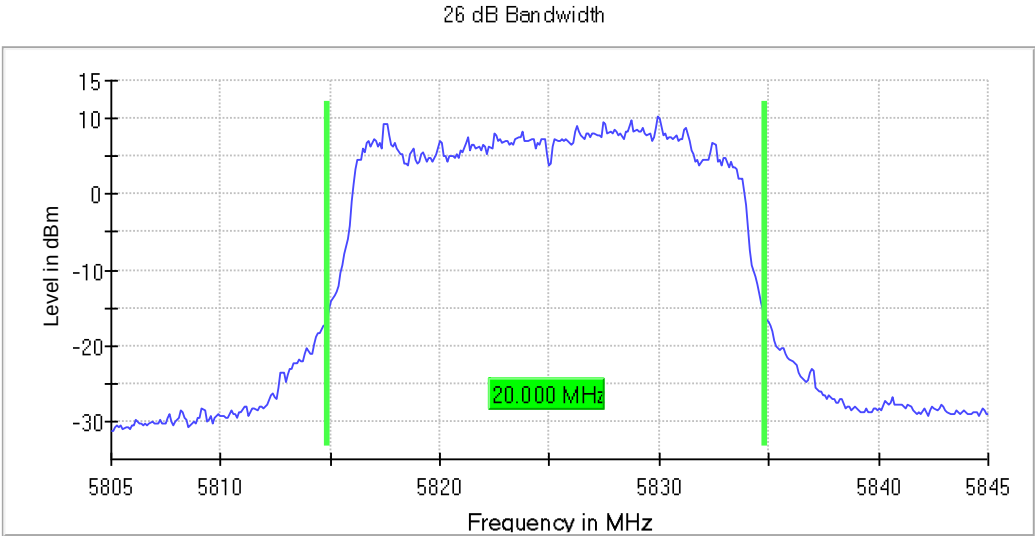
- Low Channel 149 (5745 MHz):



- Middle Channel 157 (5785 MHz):



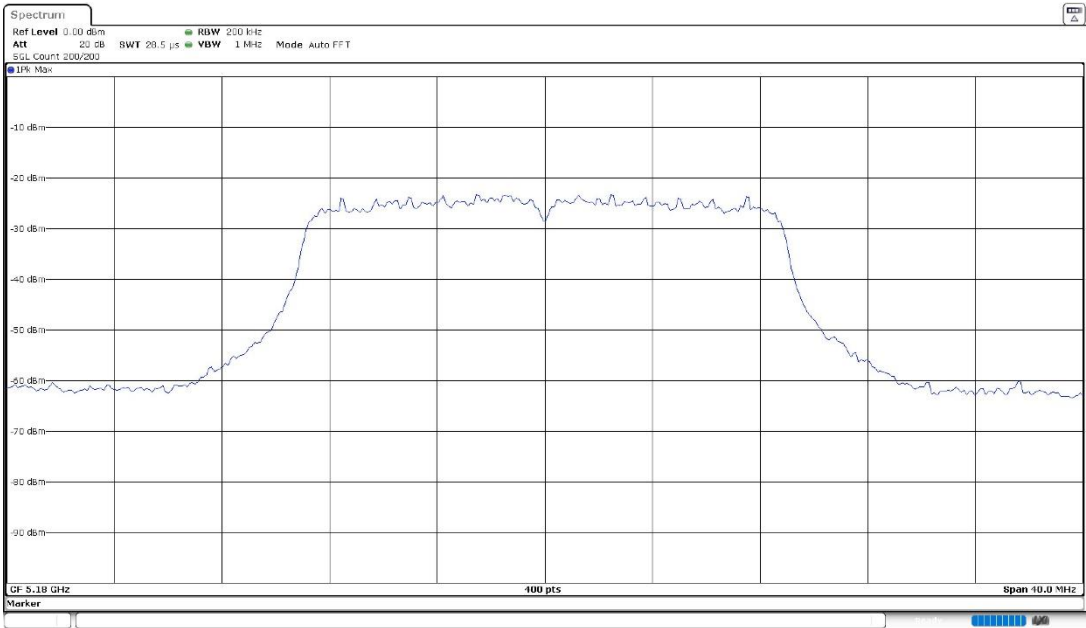
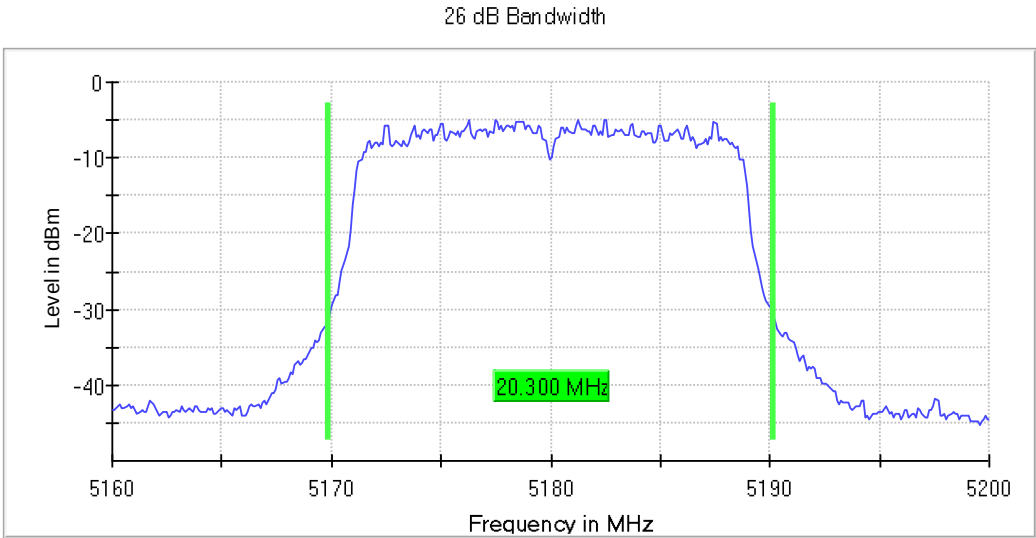
- High Channel 165 (5825 MHz):



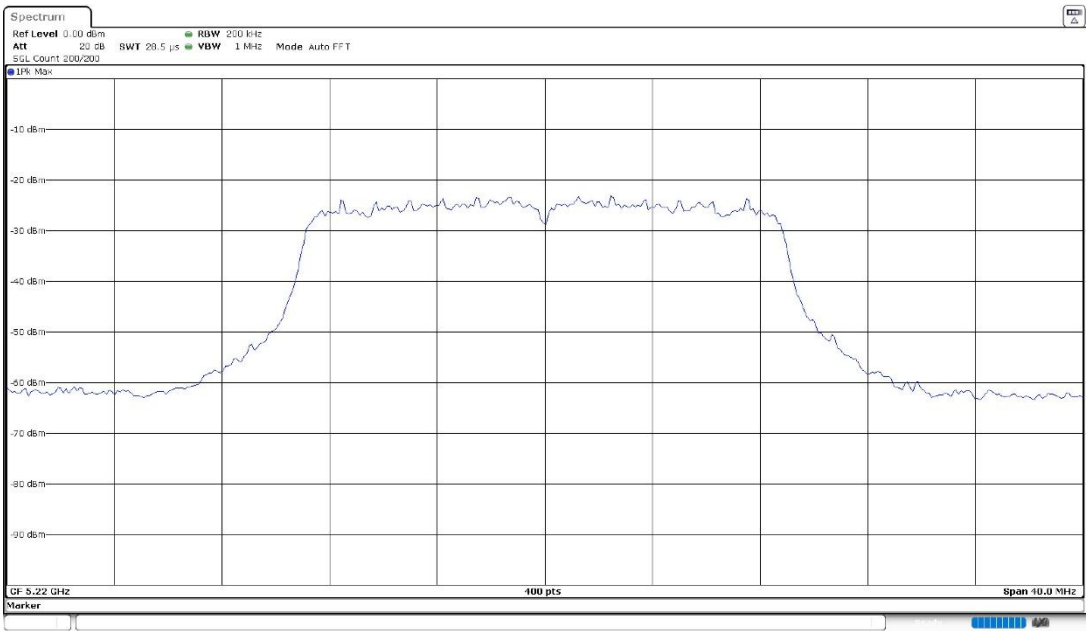
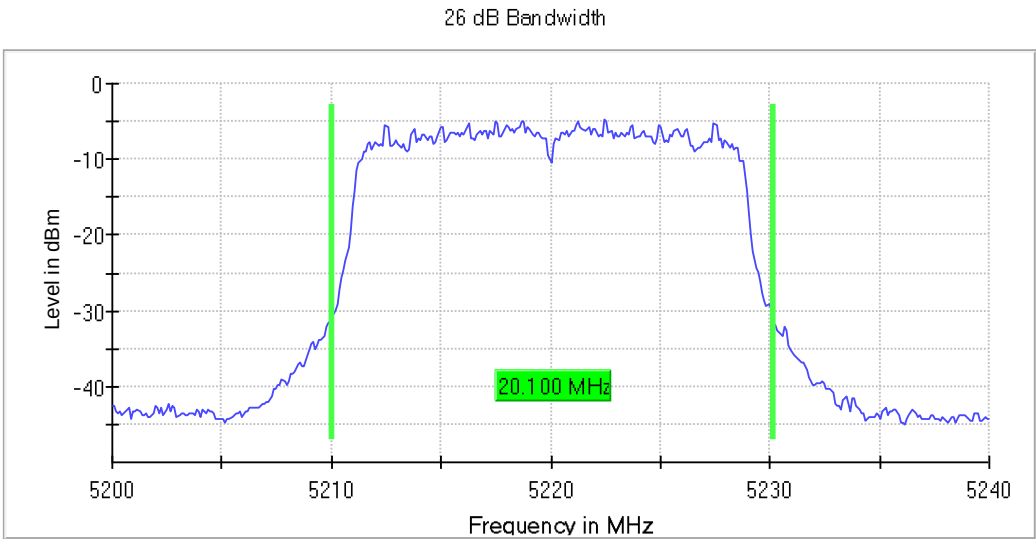
MIMO 802.11 ac20 (VHT20):

U-NII-1 (5150-5250 MHz)

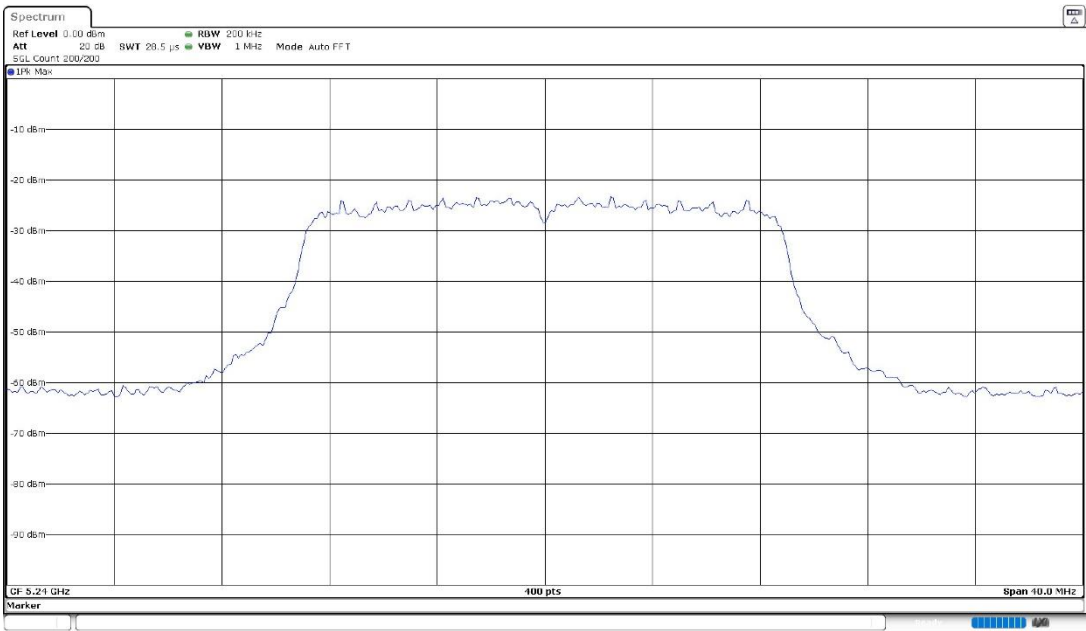
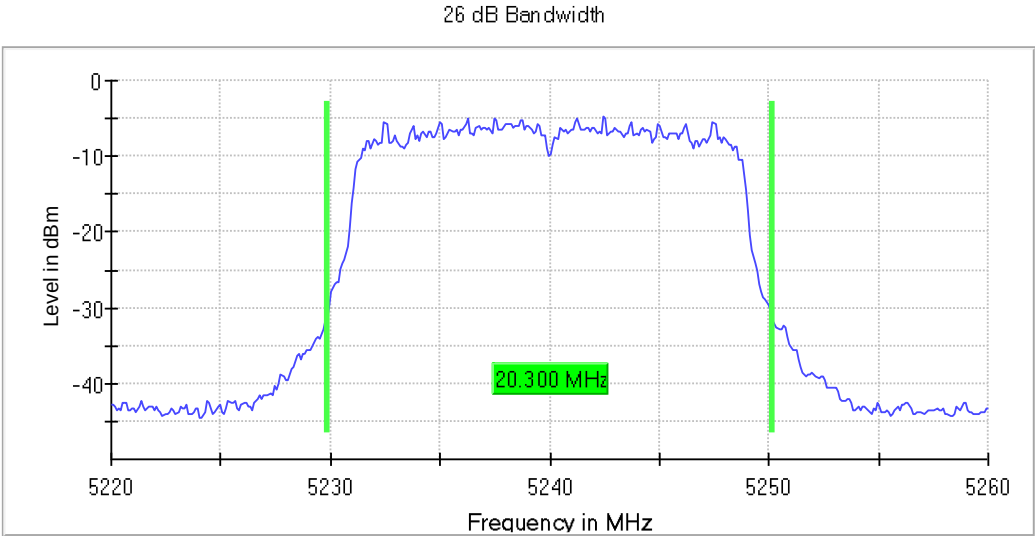
- Low Channel 36 (5180 MHz):



- Channel 44 (5220 MHz):



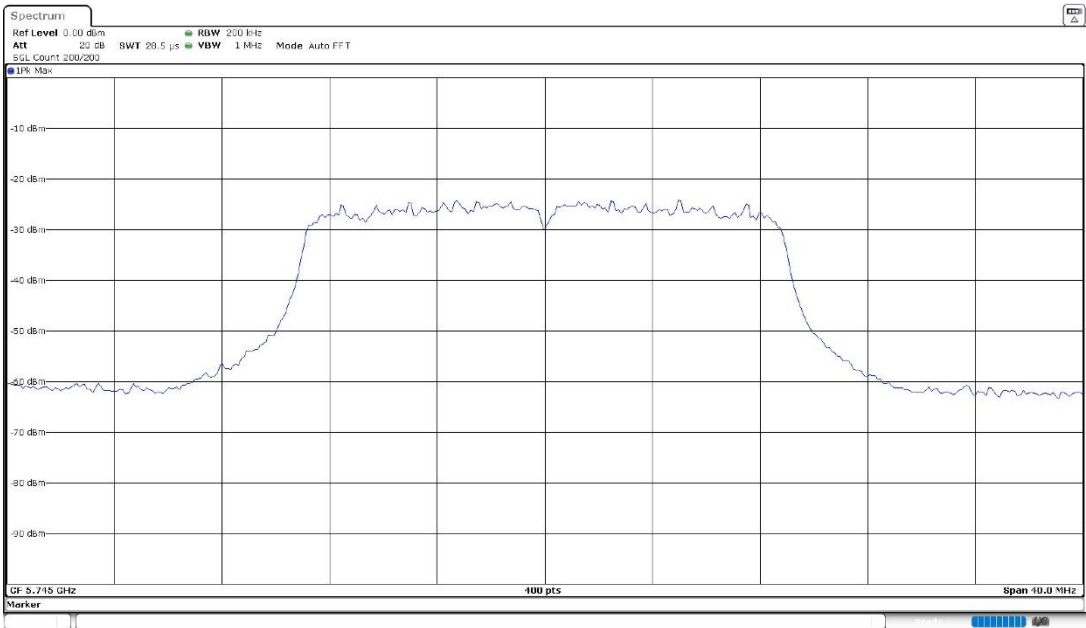
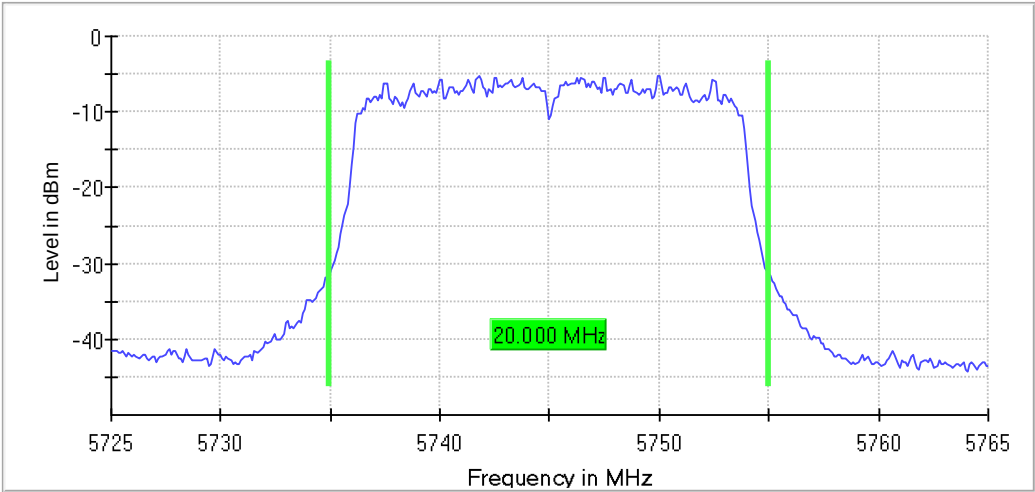
- High Channel 48 (5240 MHz):



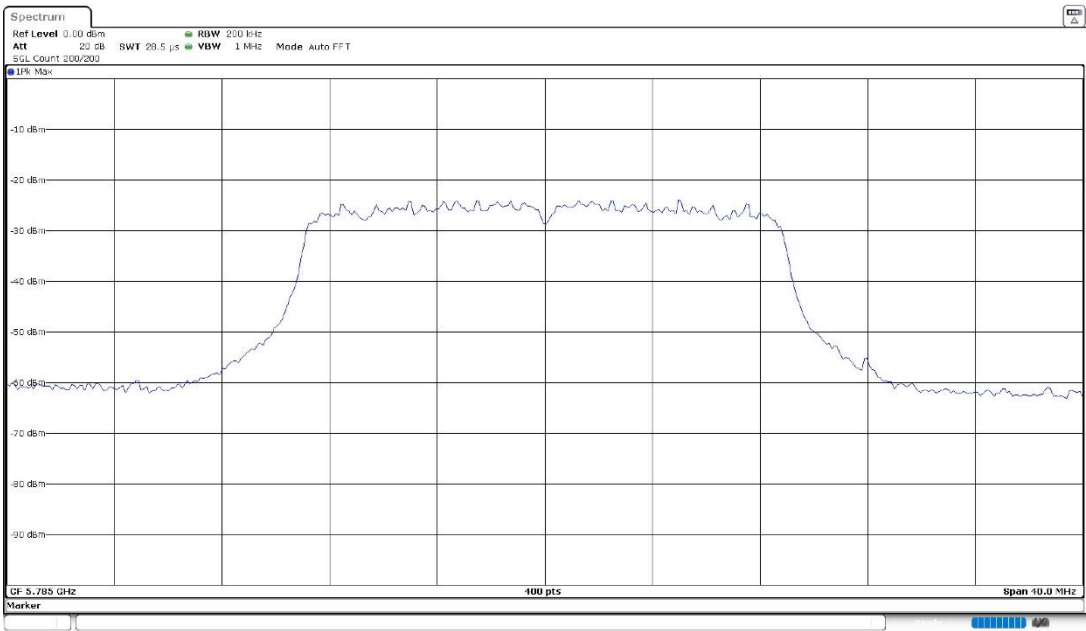
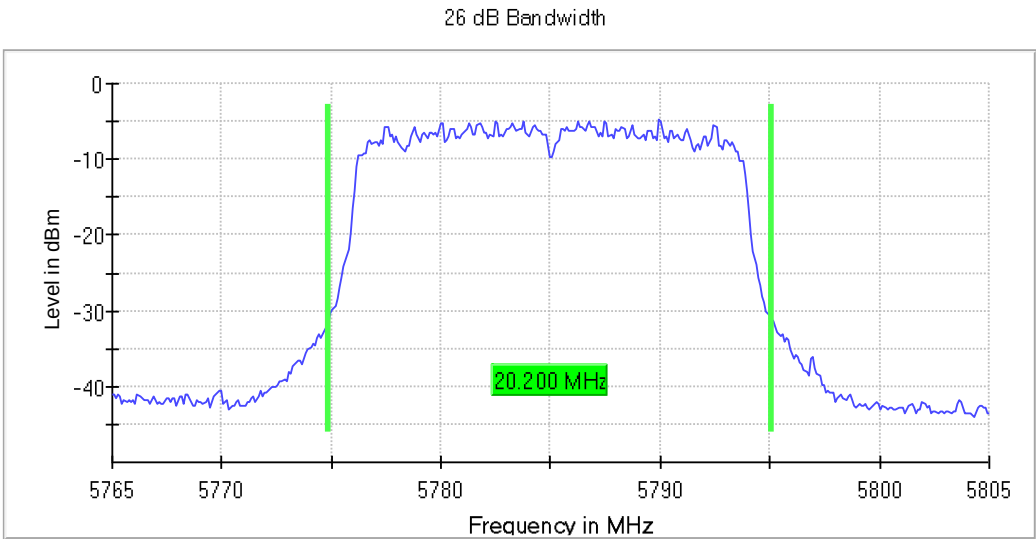
U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):

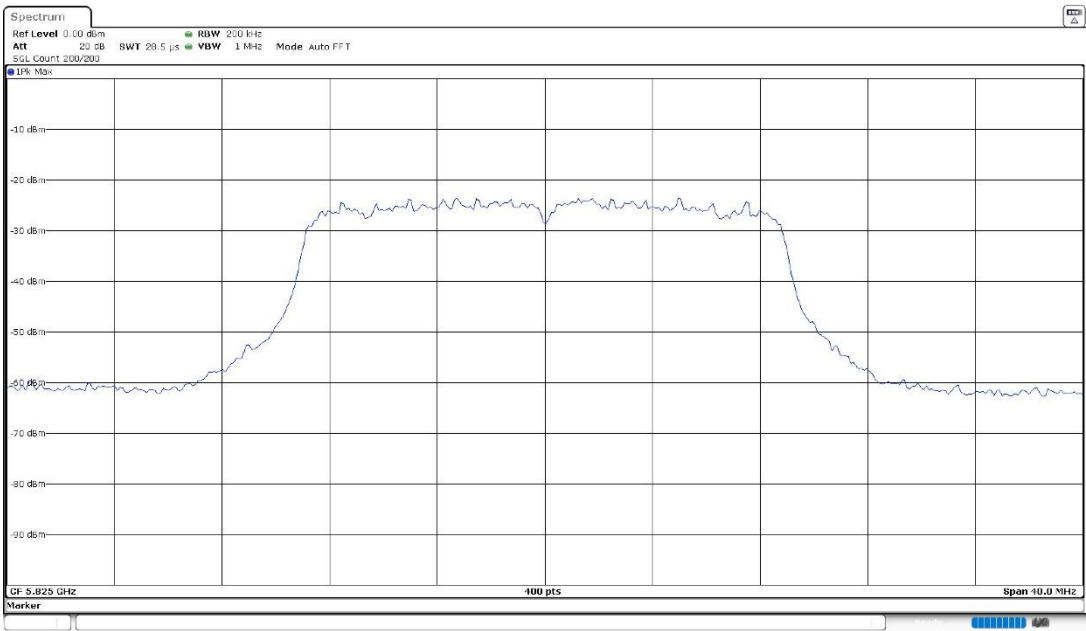
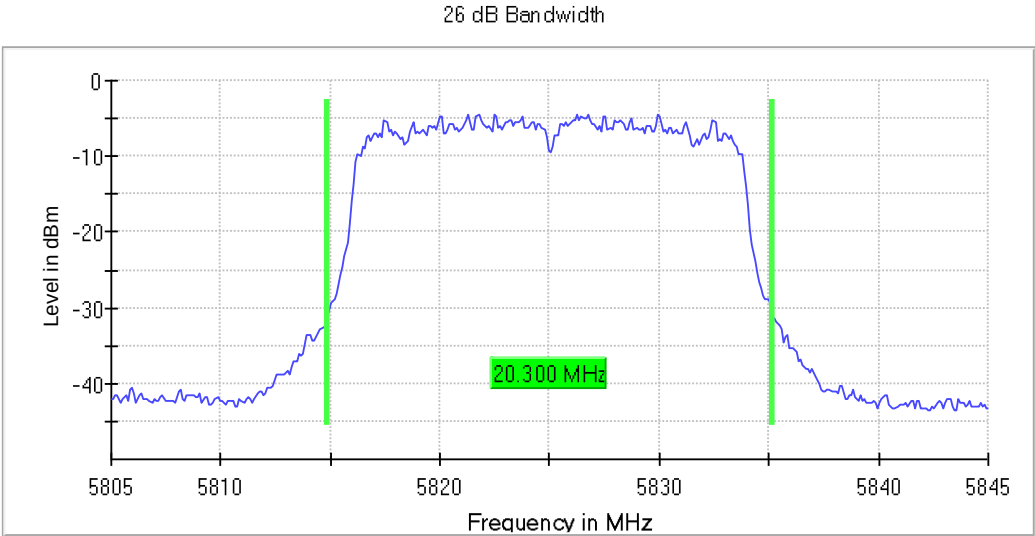
26 dB Bandwidth



- Middle Channel 157 (5785 MHz):



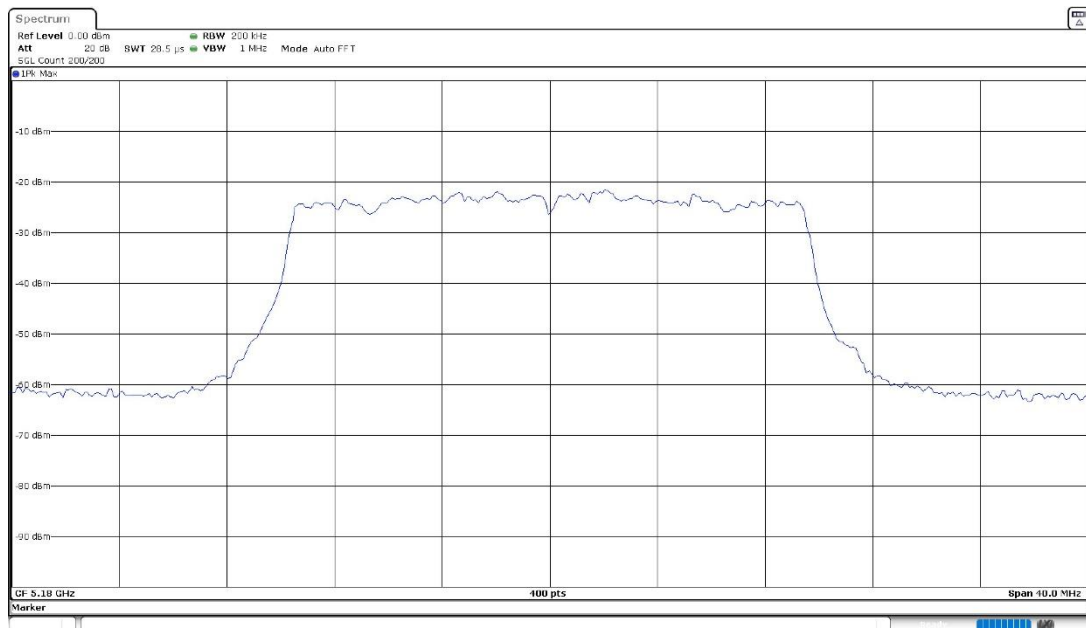
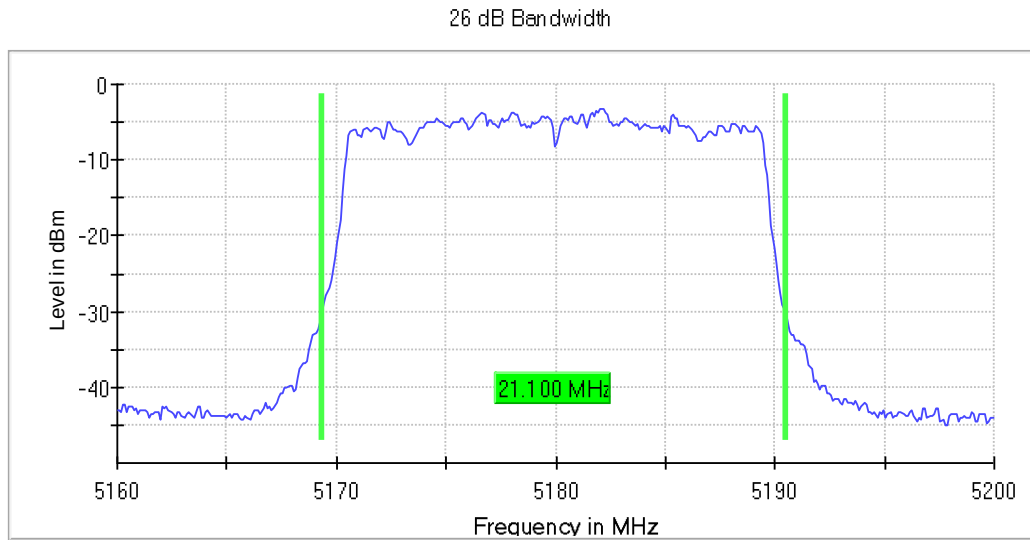
- High Channel 165 (5825 MHz):



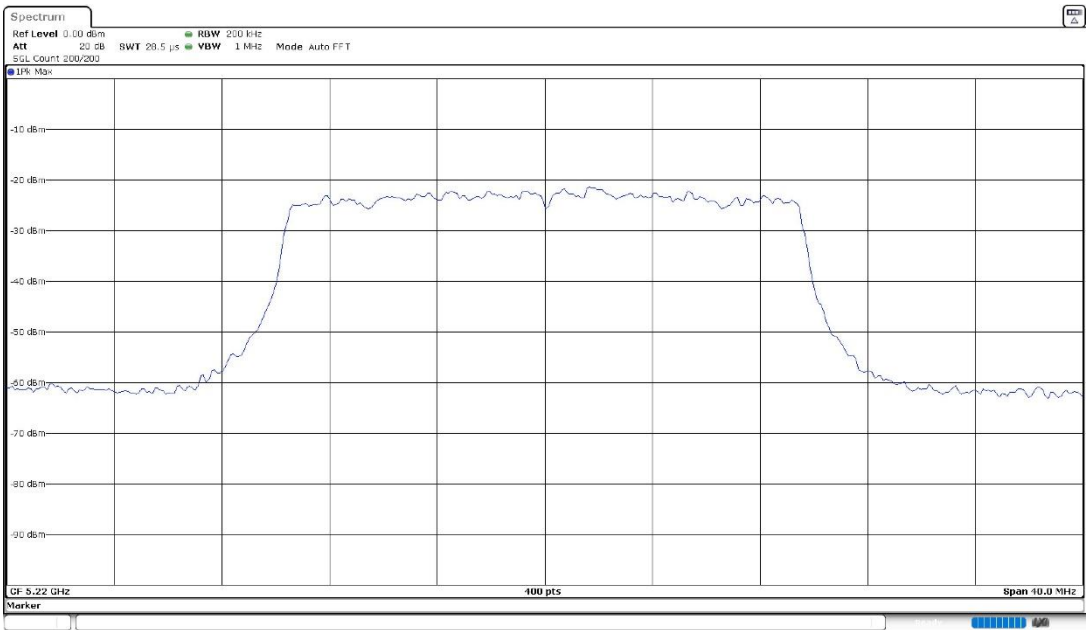
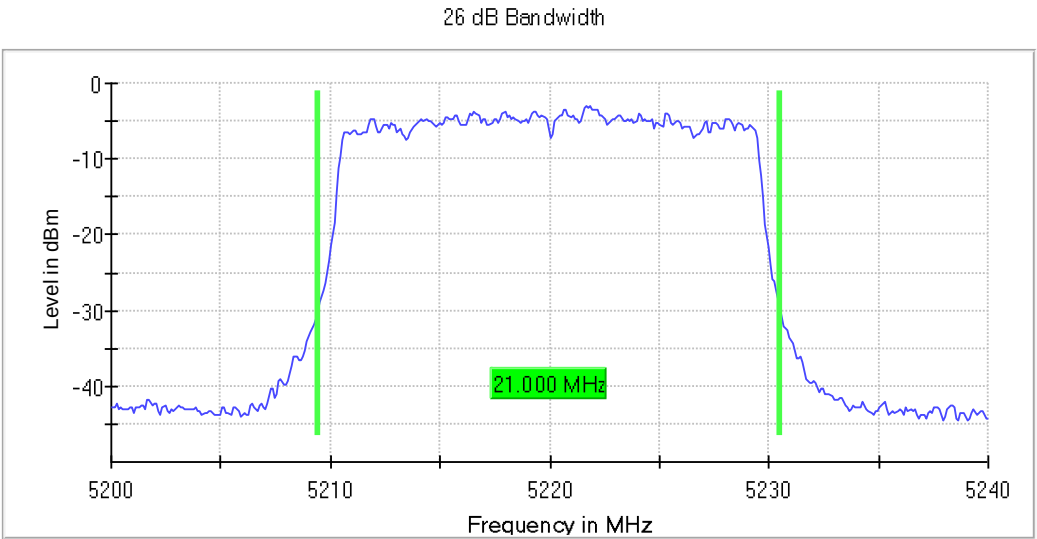
MIMO 802.11 ax20 (HE20) – SU Full channel allocation:

U-NII-1 (5150-5250 MHz)

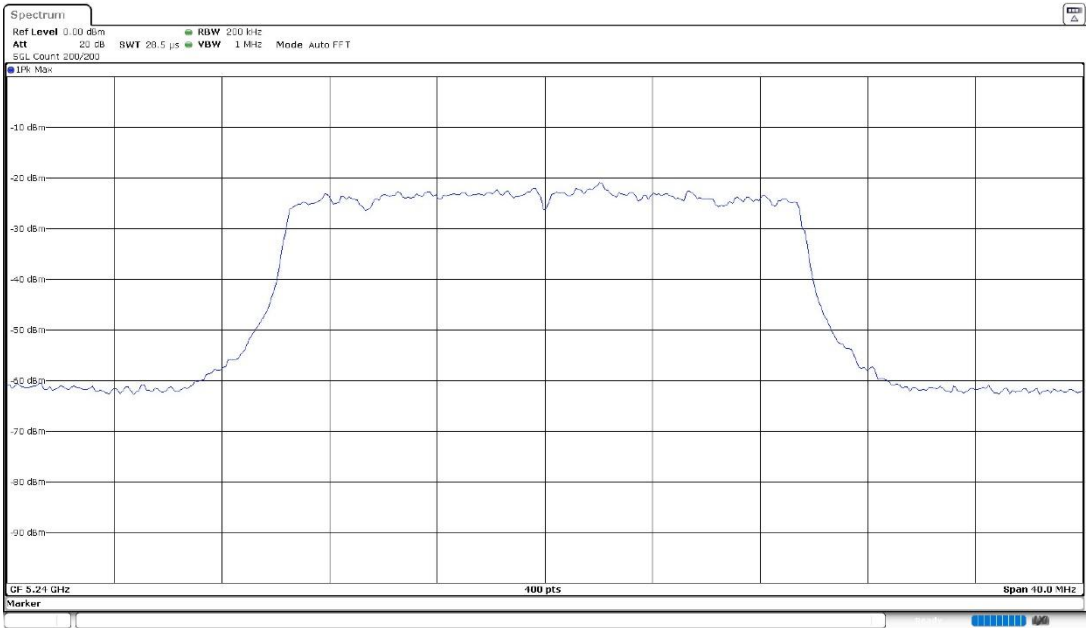
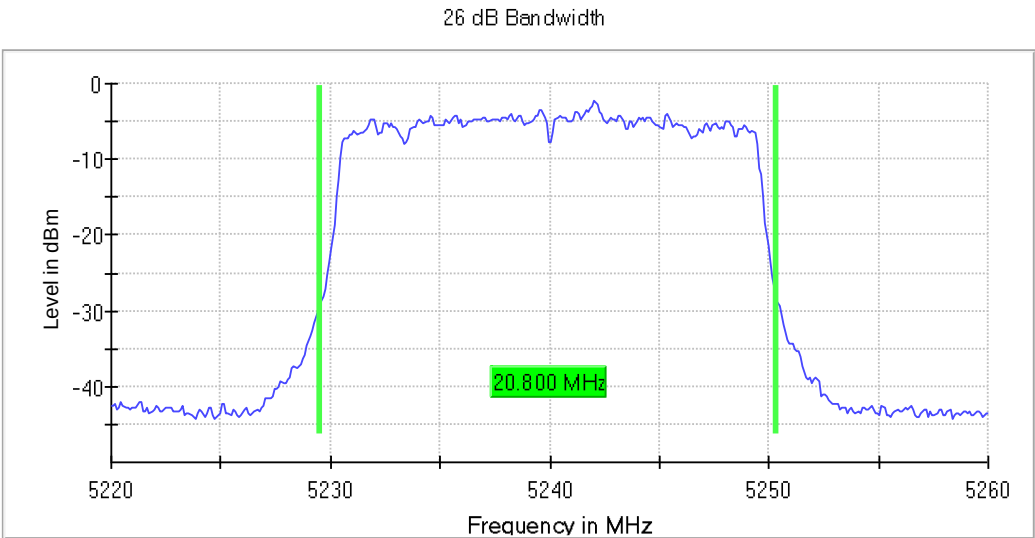
- Low Channel 36 (5180 MHz):



- Channel 44 (5220 MHz):

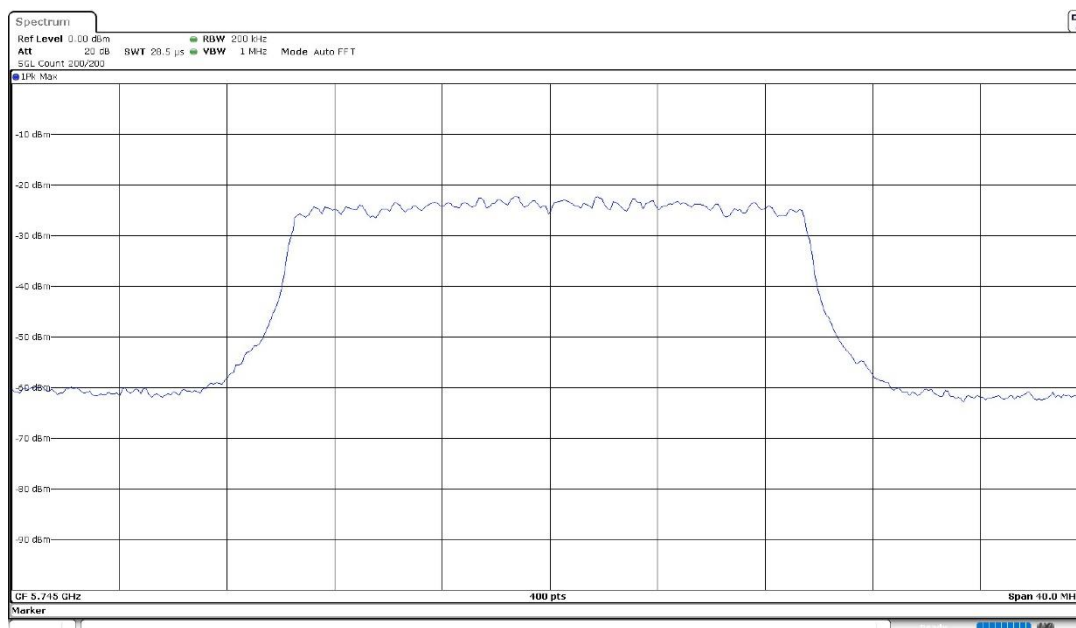
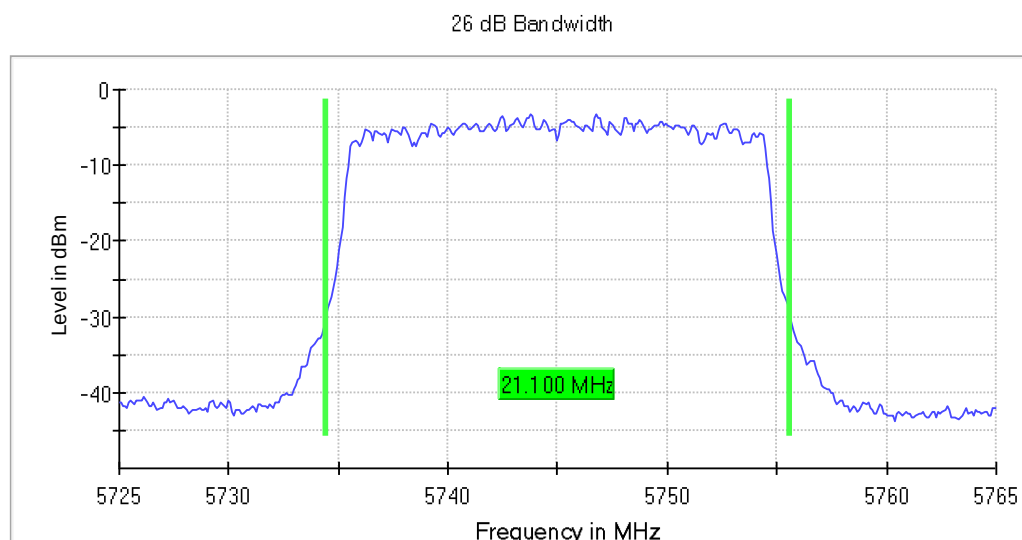


- High Channel 48 (5240 MHz):

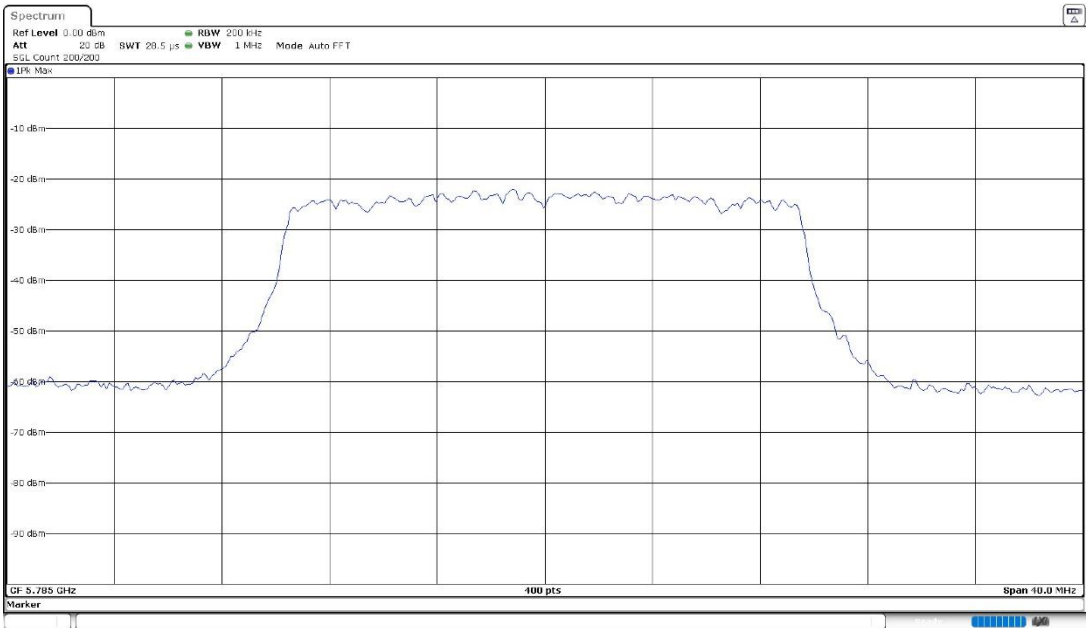
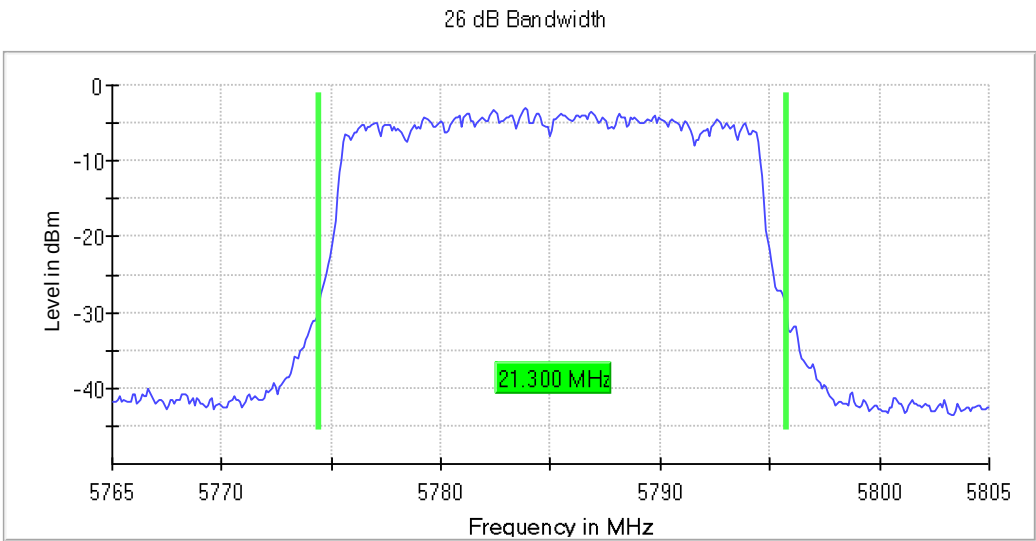


U-NII-3 (5725-5850 MHz)

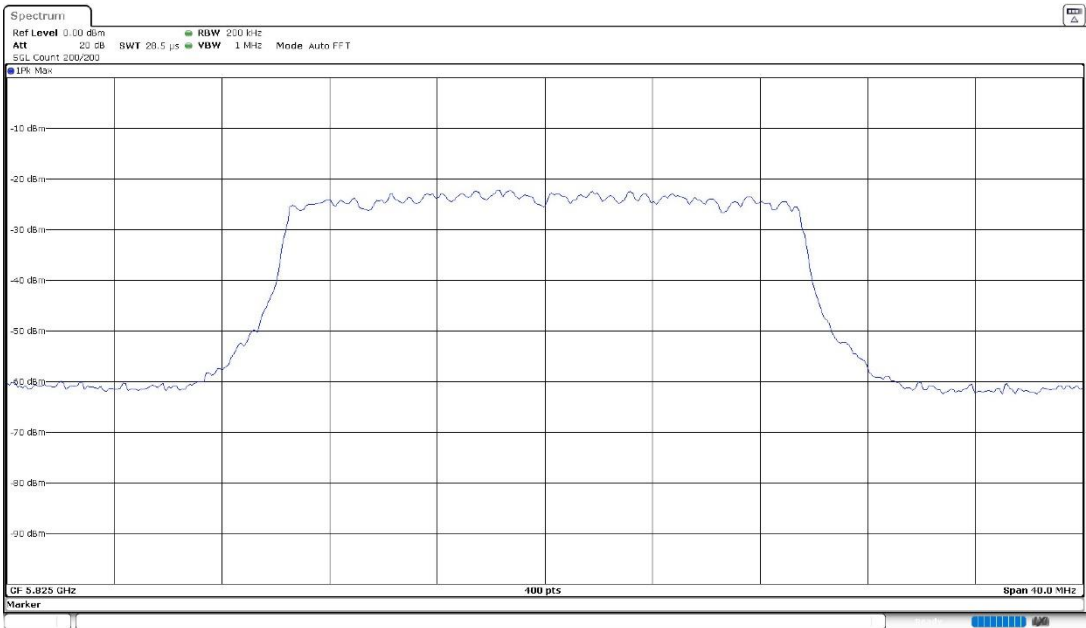
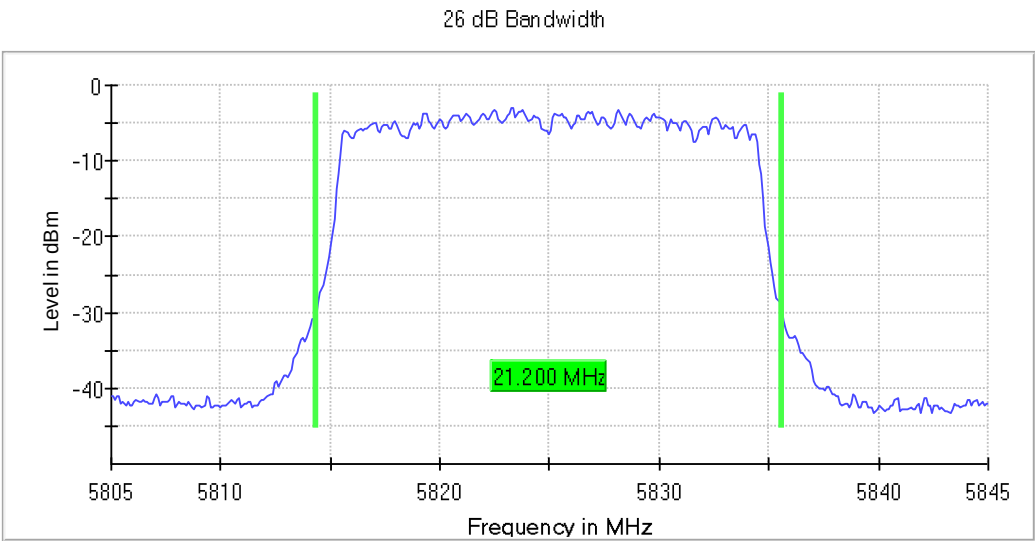
- Low Channel 149 (5745 MHz):



- Middle Channel 157 (5785 MHz):



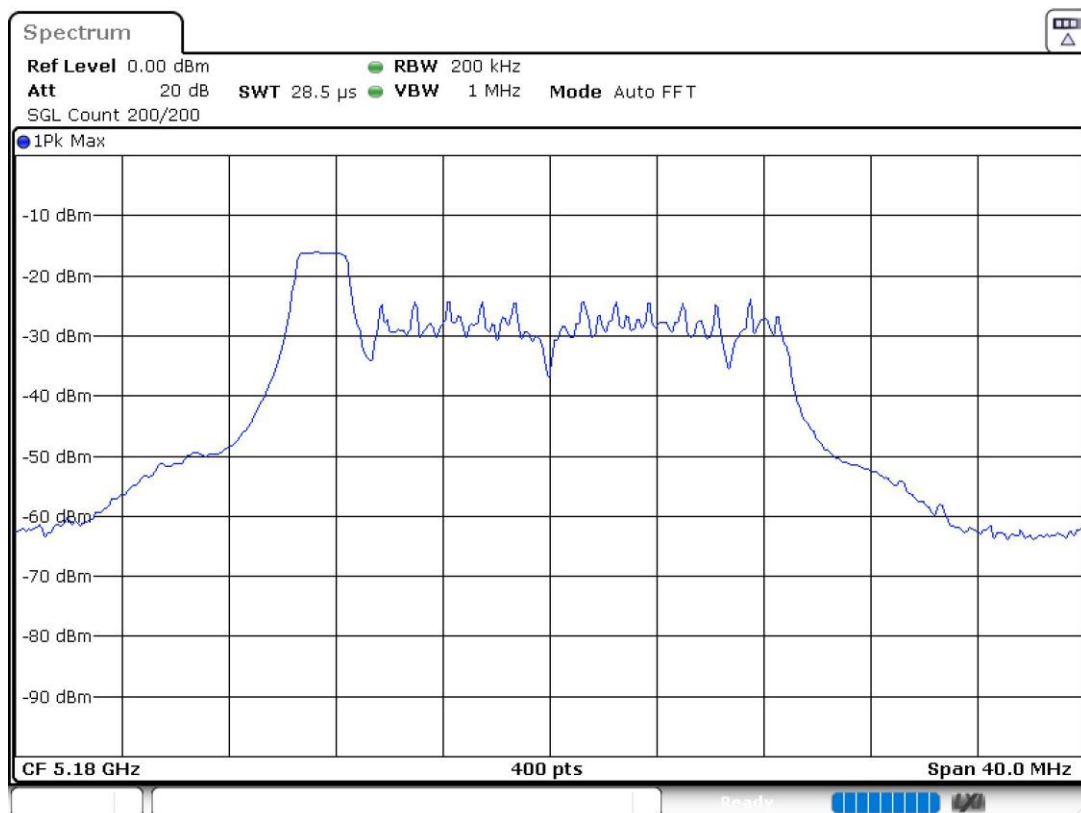
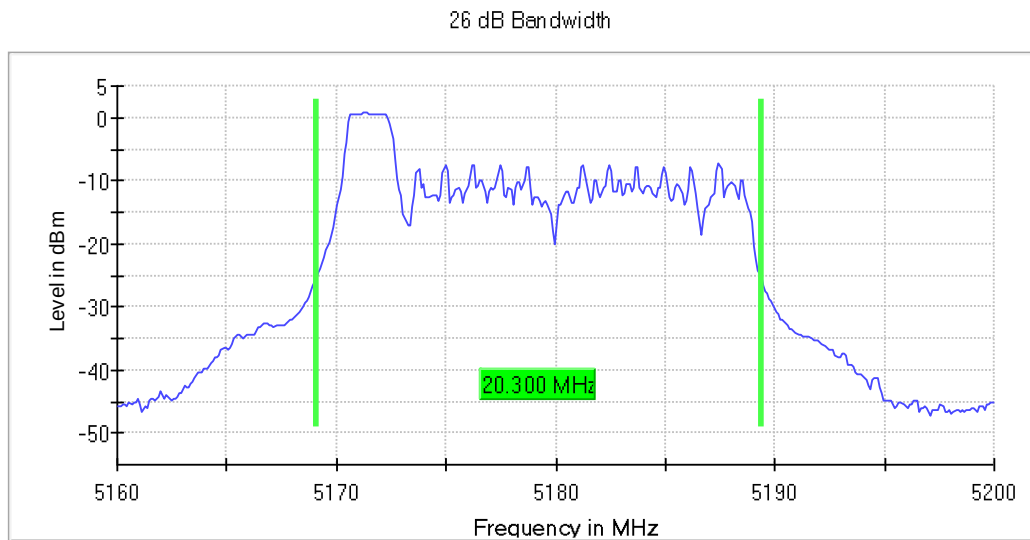
- High Channel 165 (5825 MHz):



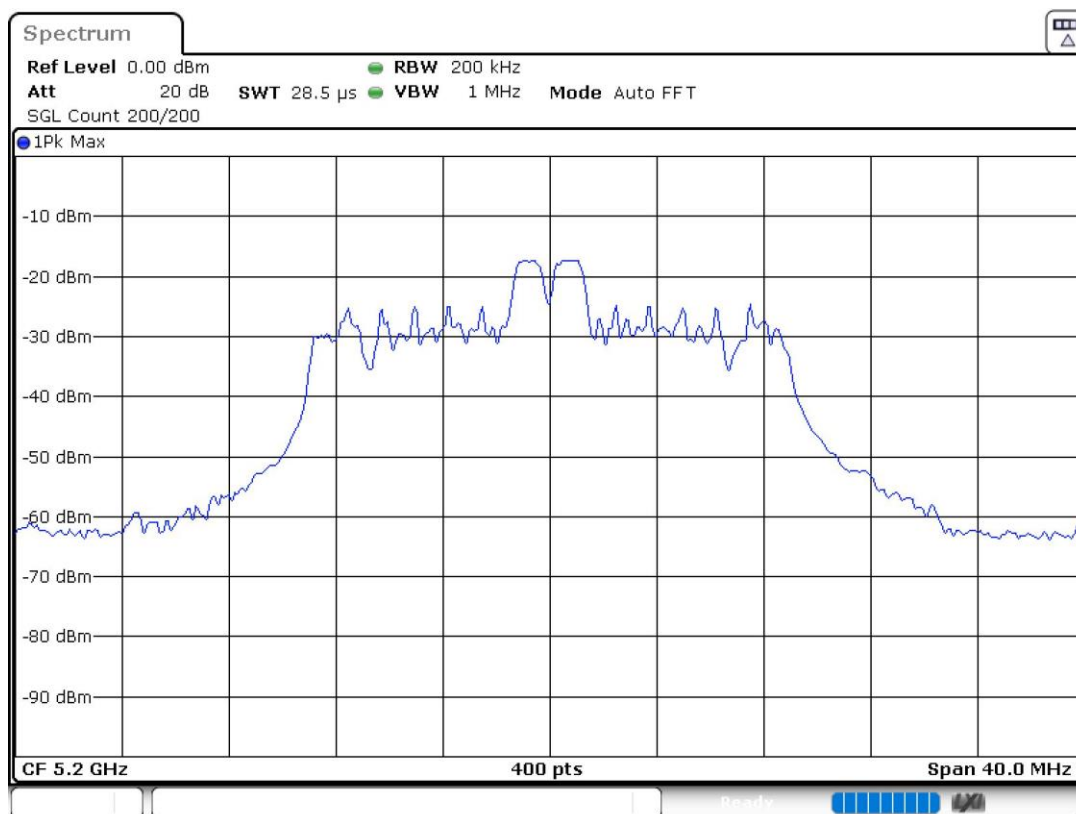
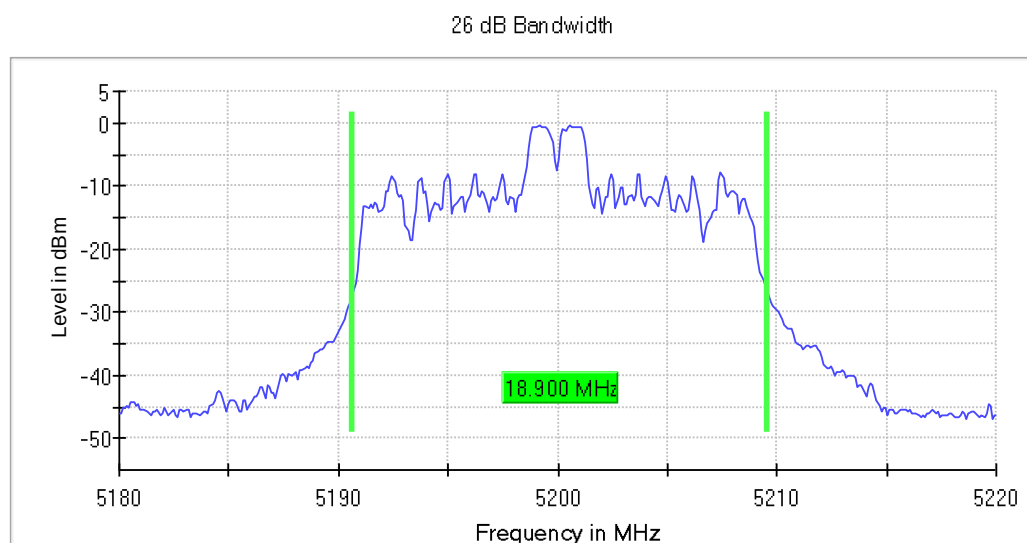
MIMO 802.11 ax20 (HE20) – RU Subcarrier allocation (RU26):

U-NII-1 (5150-5250 MHz)

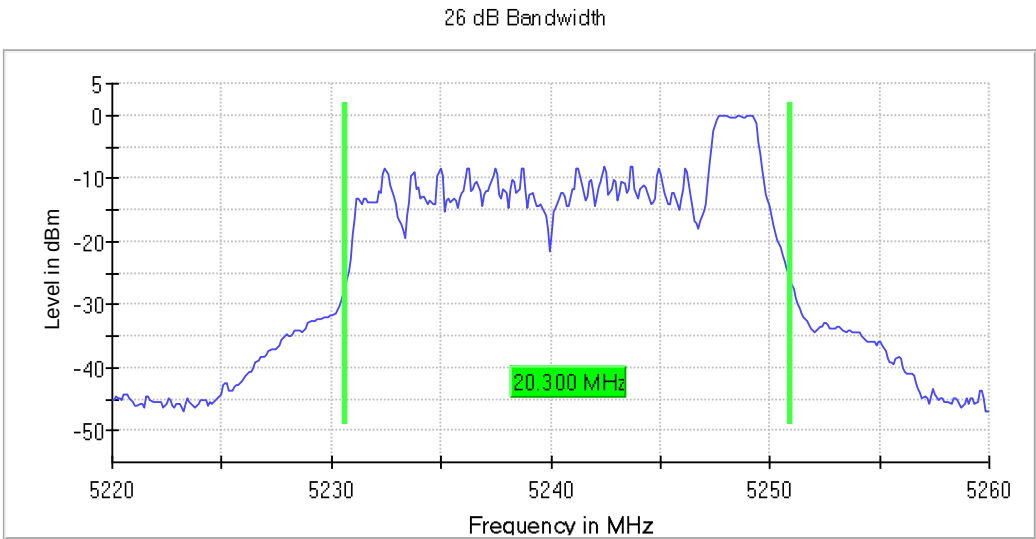
- Low Channel 36 (5180 MHz) / RU26 Offset 0:



- Channel 40 (5200 MHz) / RU26 Offset 4:

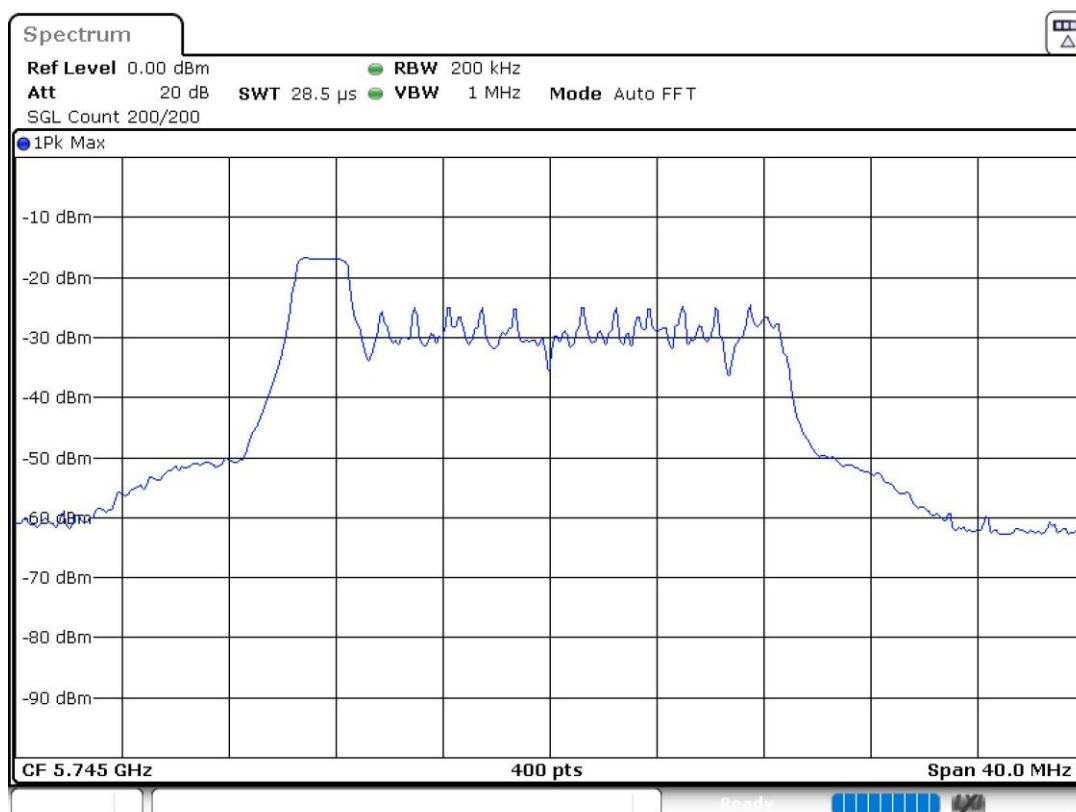
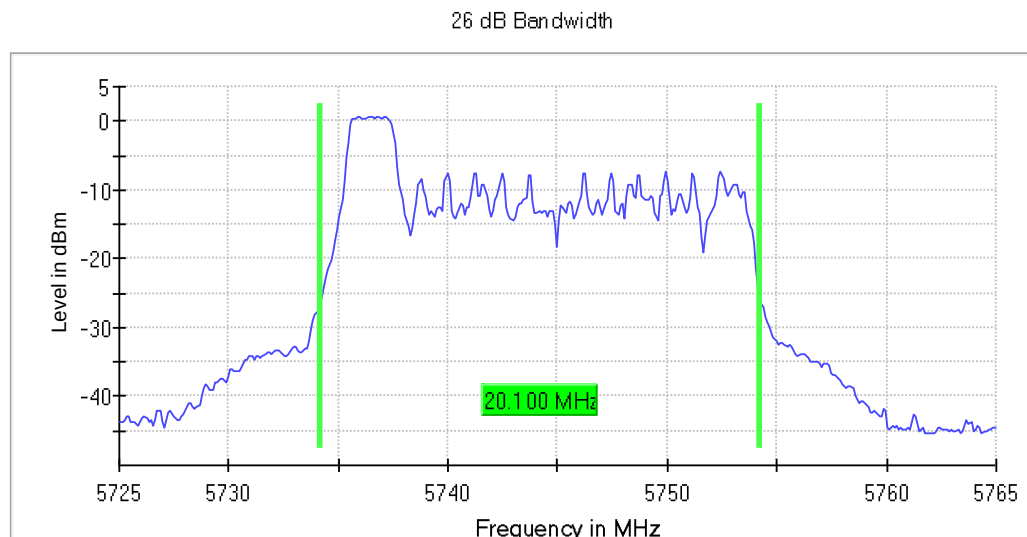


- High Channel 48 (5240 MHz) / RU26 Offset 8:

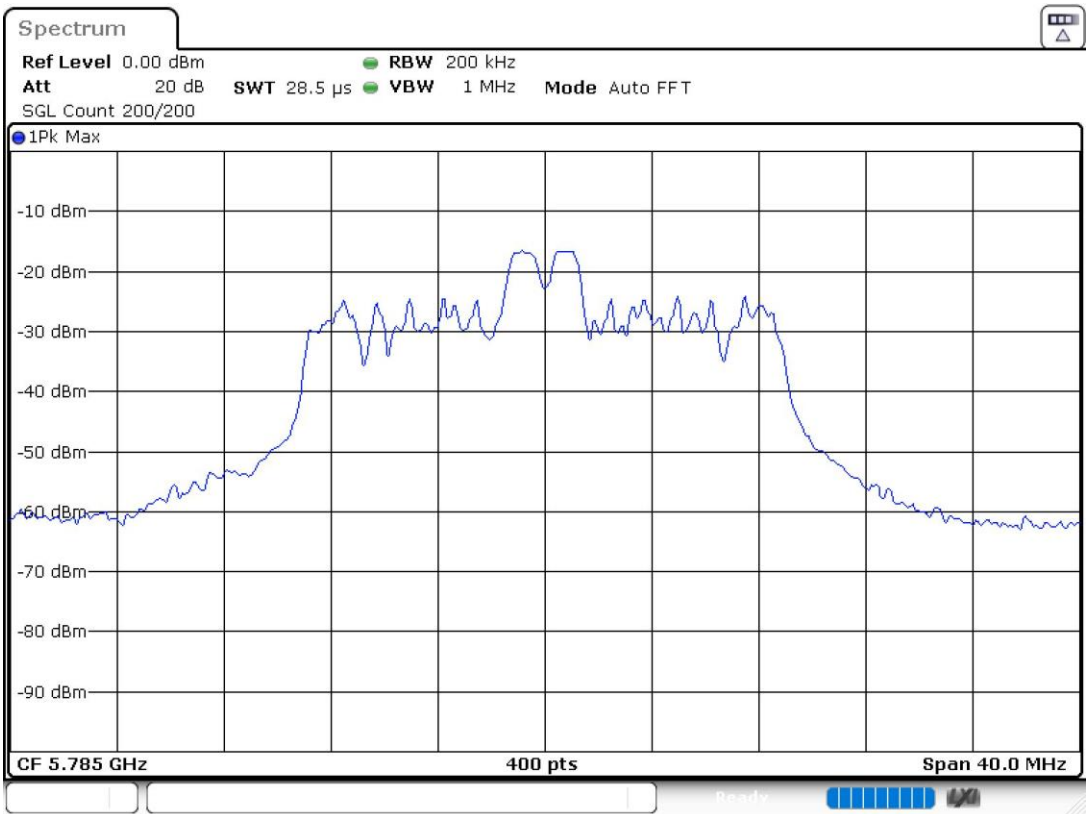
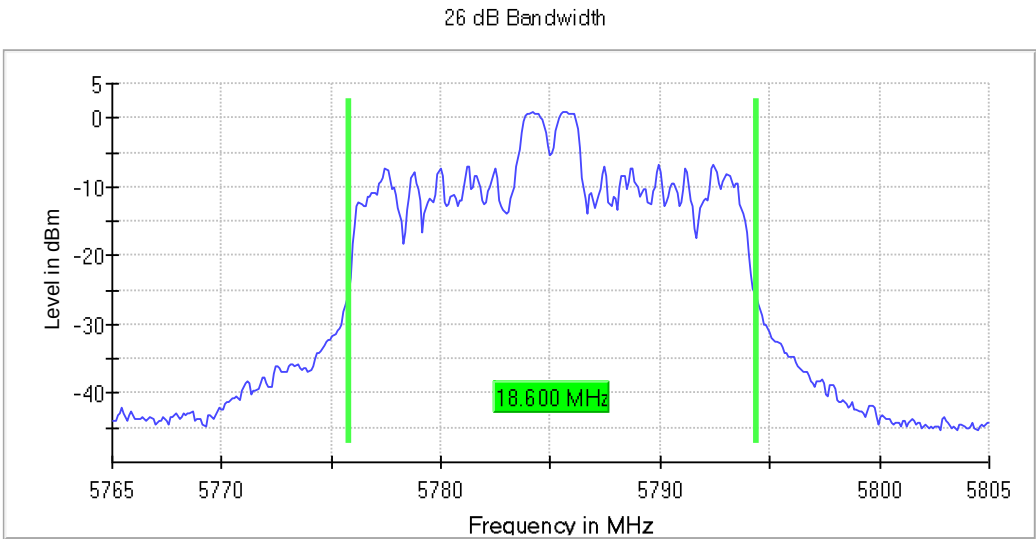


U-NII-3 (5725-5850 MHz)

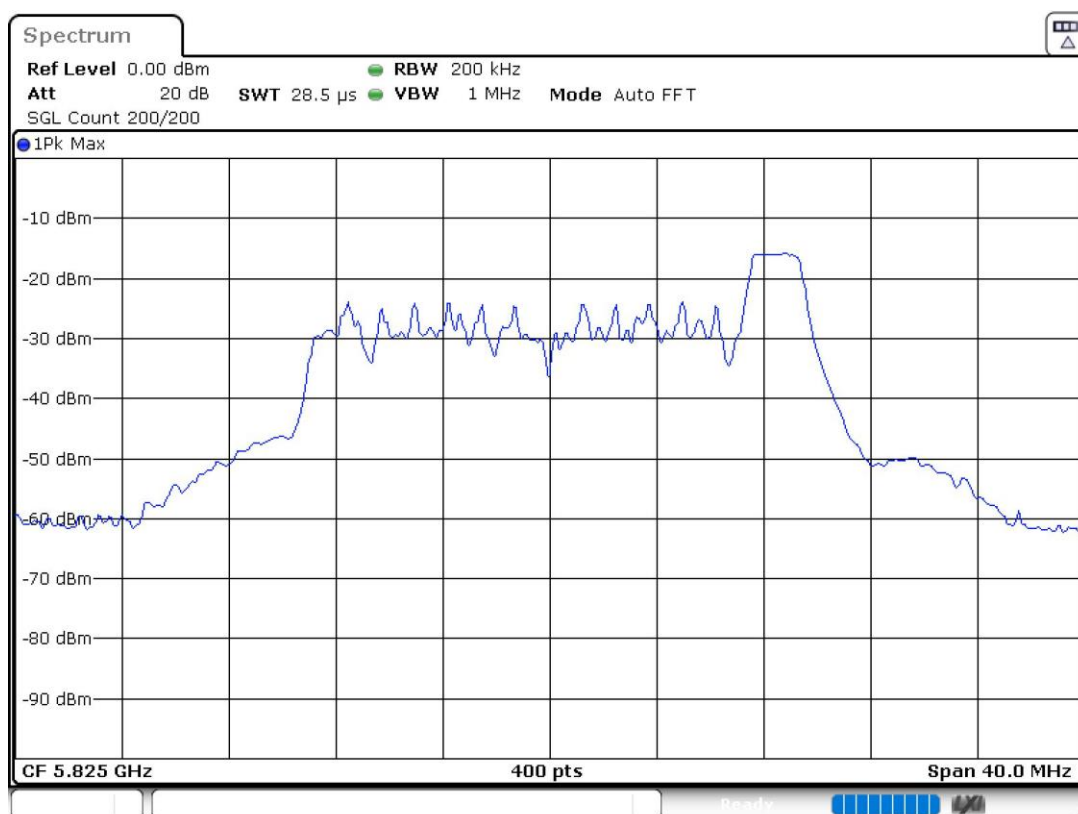
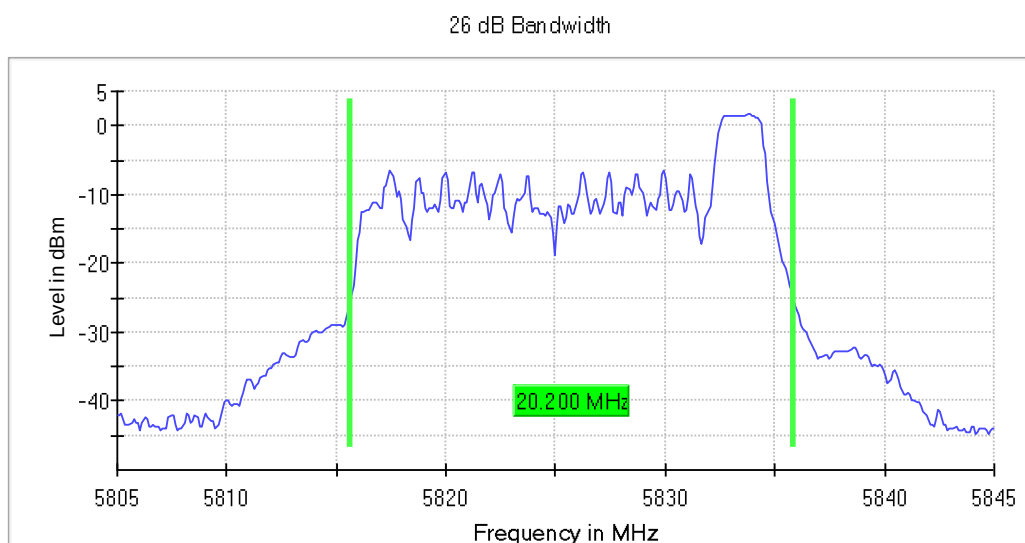
- Low Channel 149 (5745 MHz) / RU26 Offset 0:



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



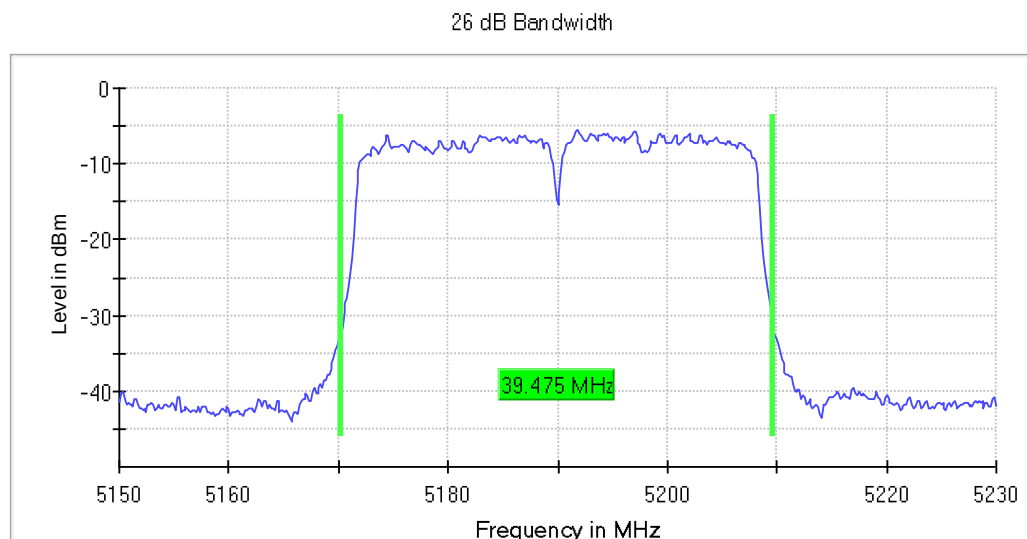
- High Channel 165 (5825 MHz) / RU26 Offset 8:



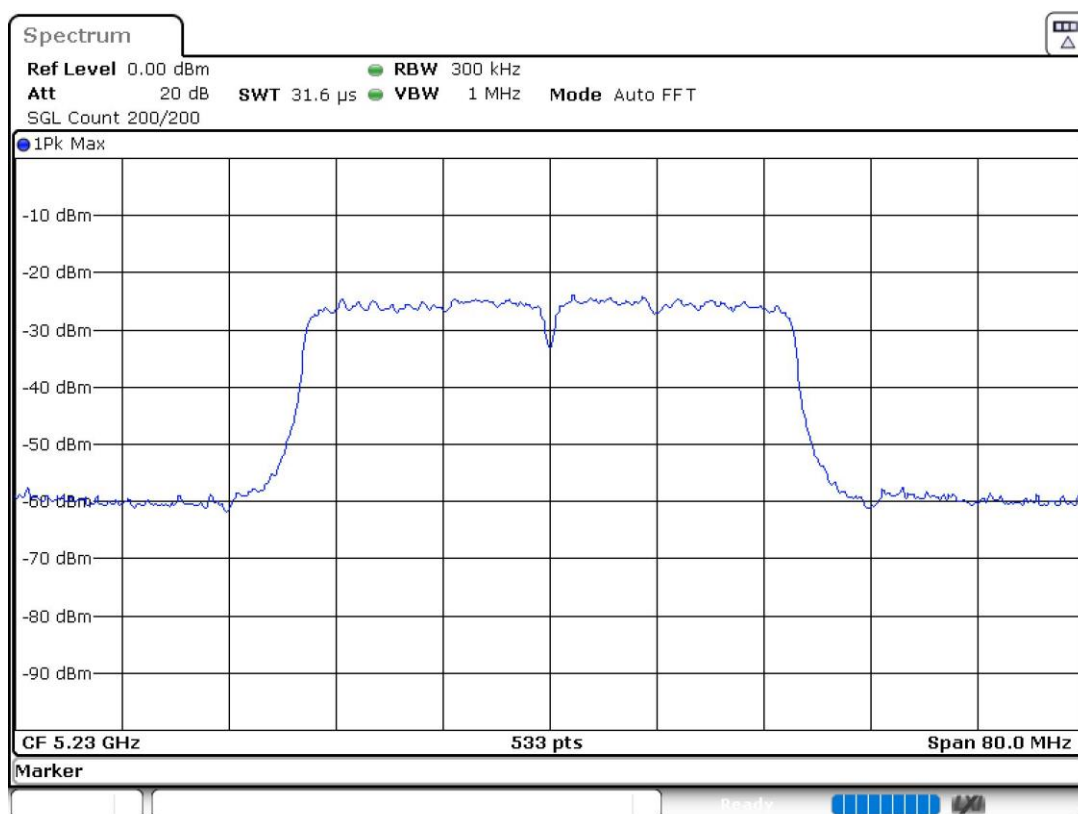
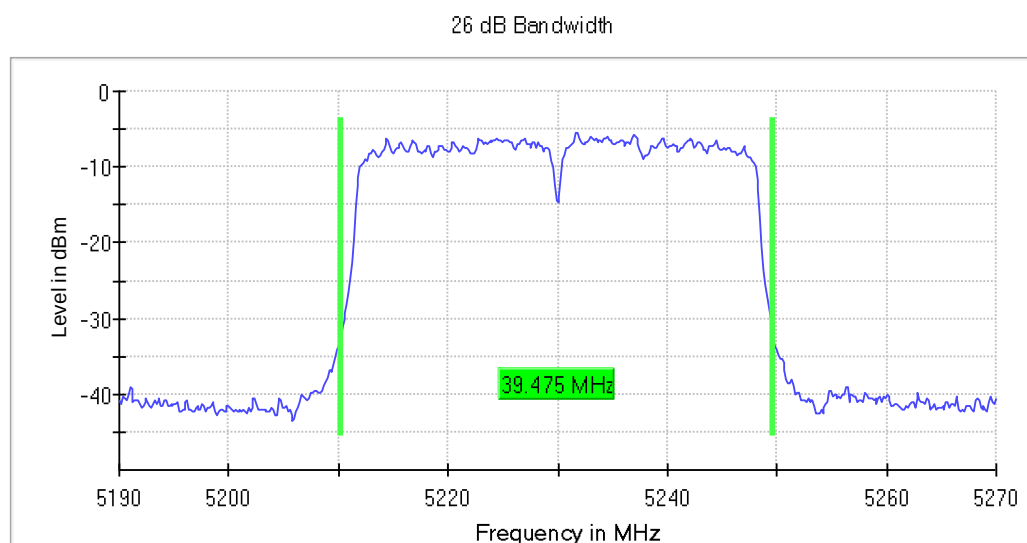
MIMO 802.11 n40 (HT40):

U-NII-1 (5150-5250 MHz)

- Low Channel 38 (5190 MHz):



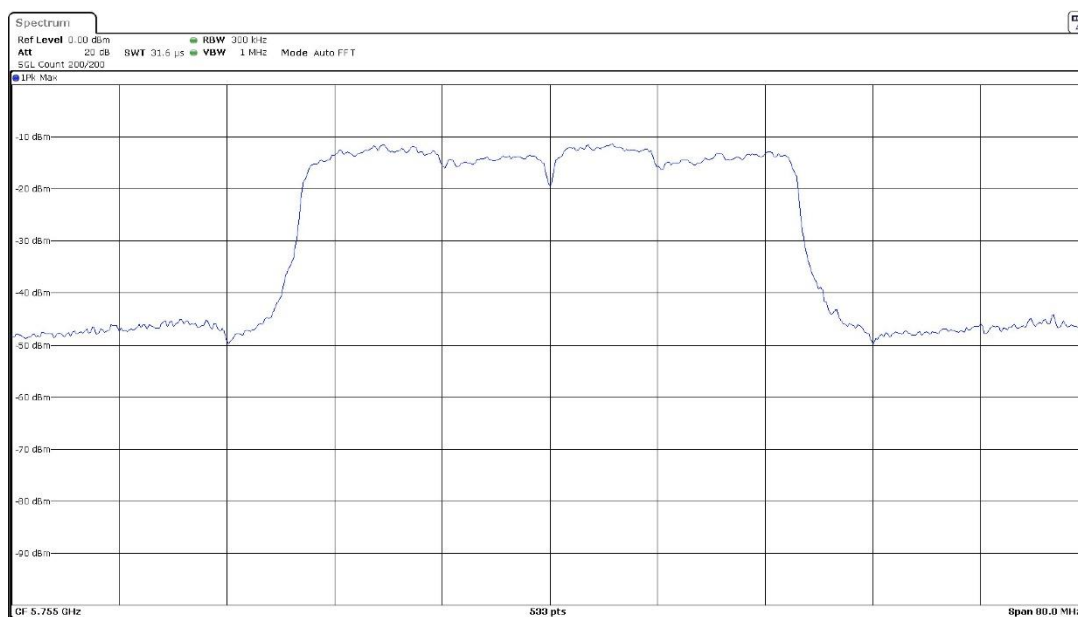
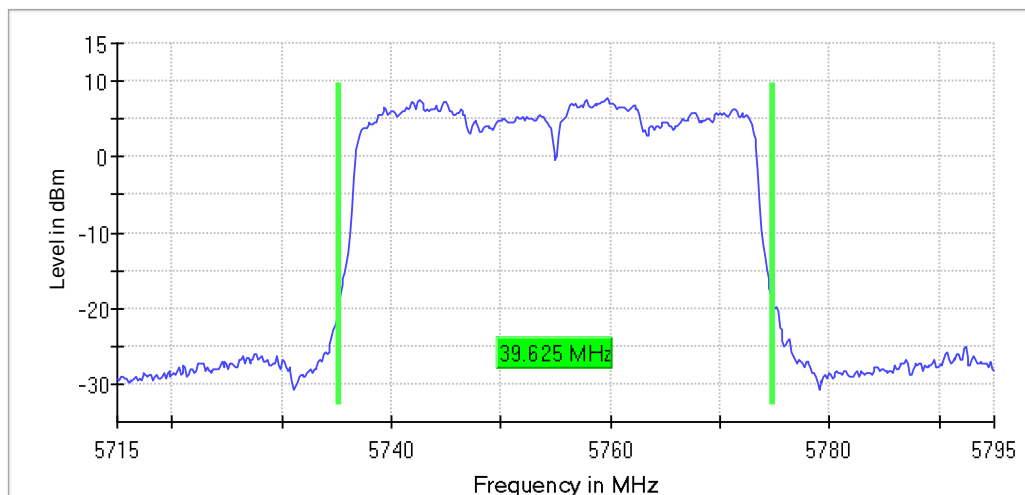
- High Channel 46 (5230 MHz):



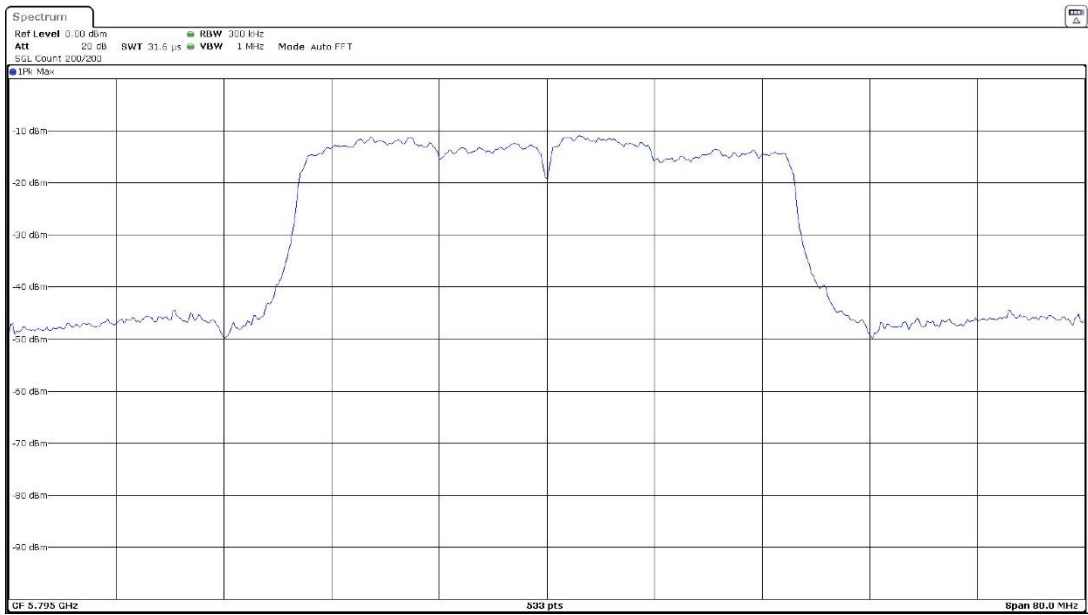
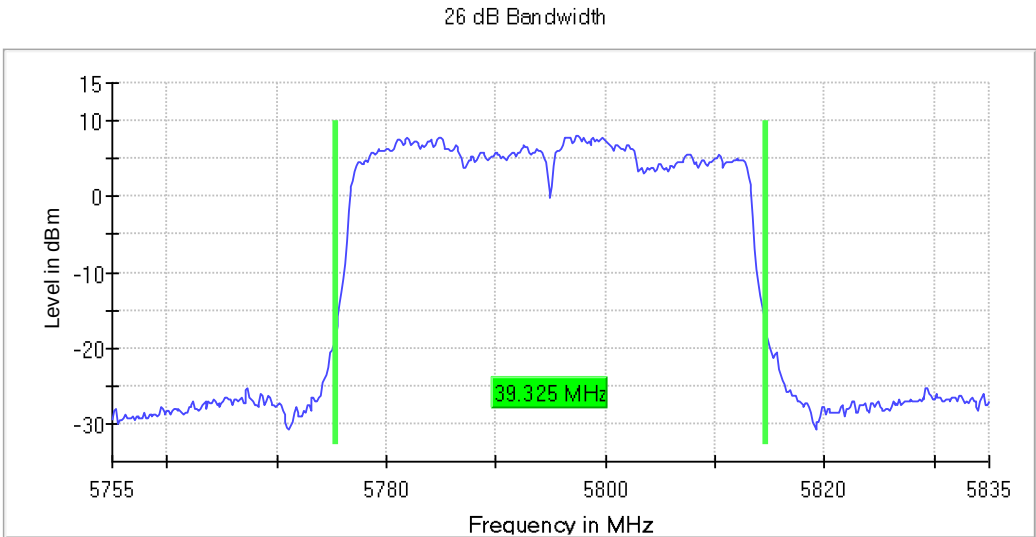
U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):

26 dB Bandwidth



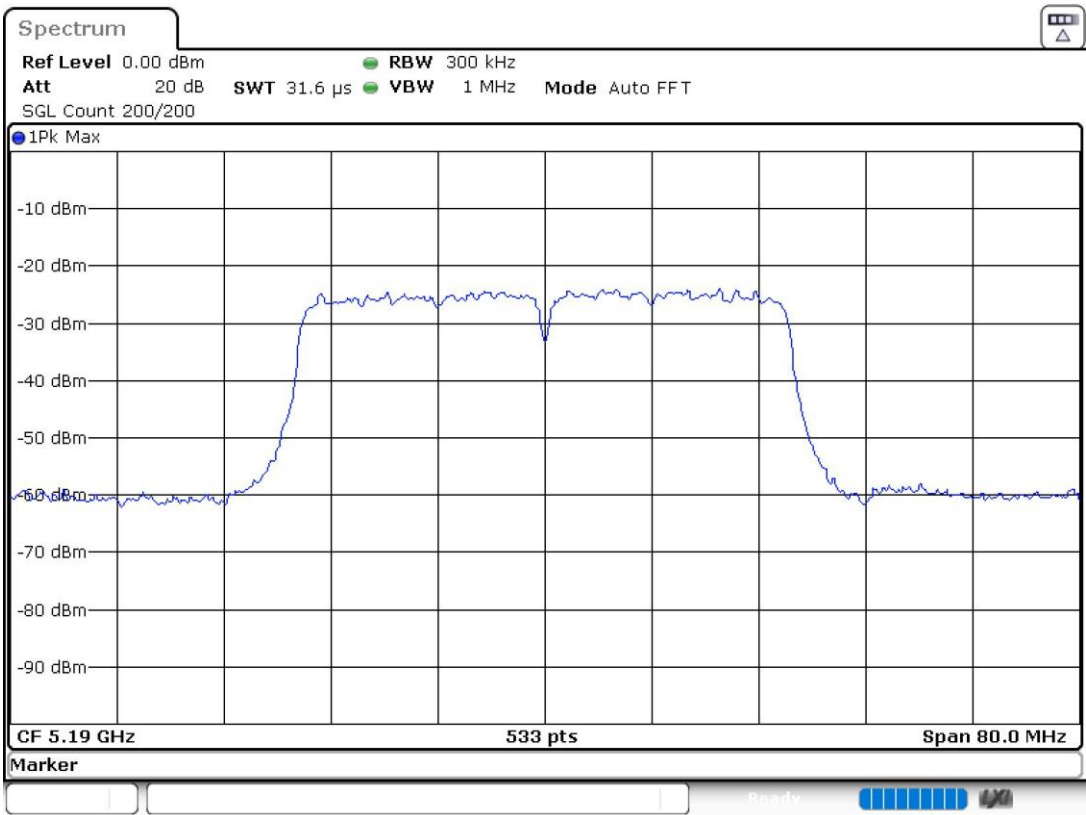
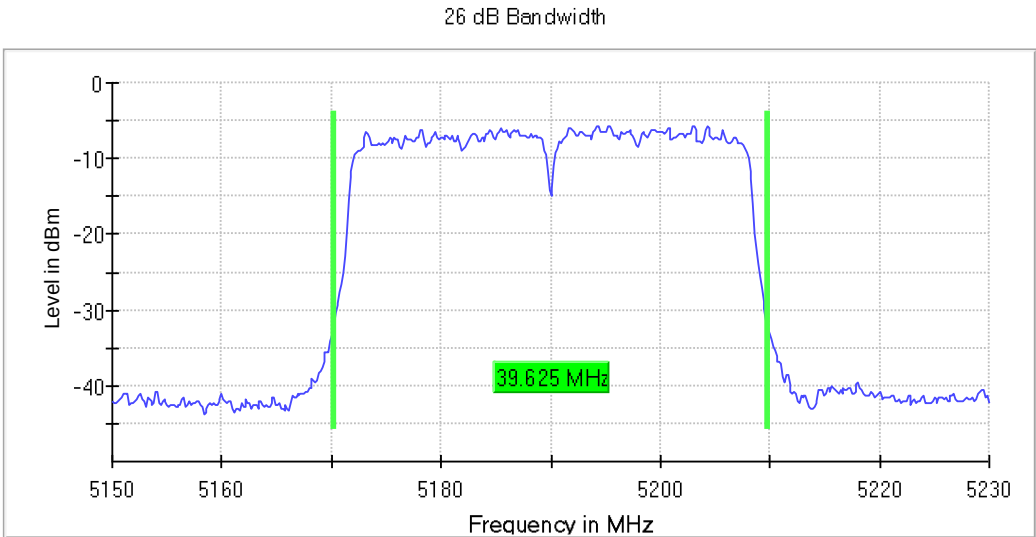
- High Channel 159 (5795 MHz):



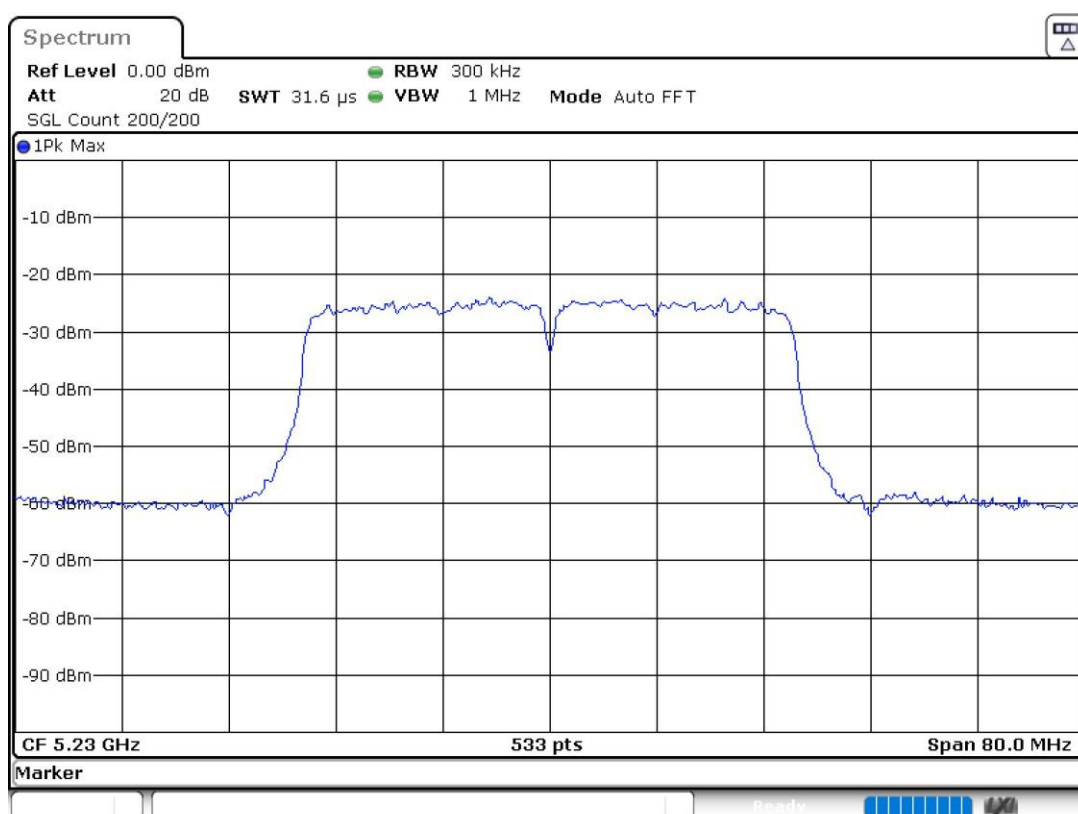
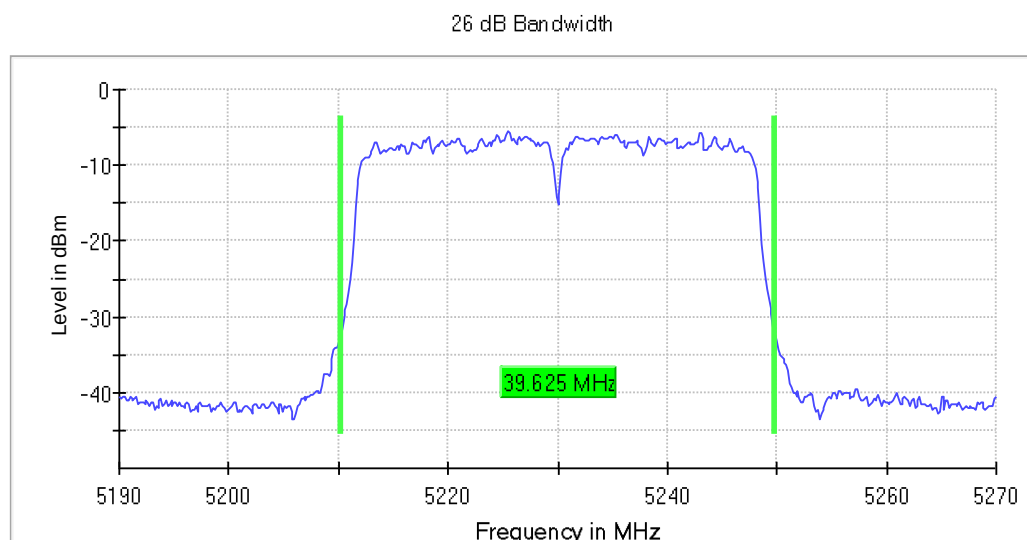
MIMO 802.11 ac40 (VHT40):

U-NII-1 (5150-5250 MHz)

- Low Channel 38 (5190 MHz):



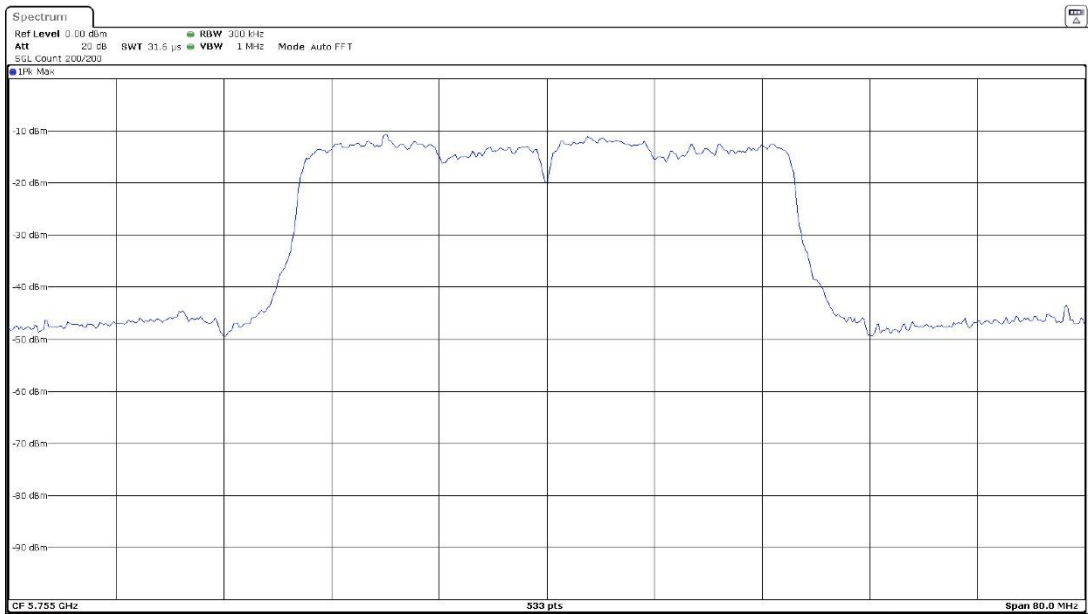
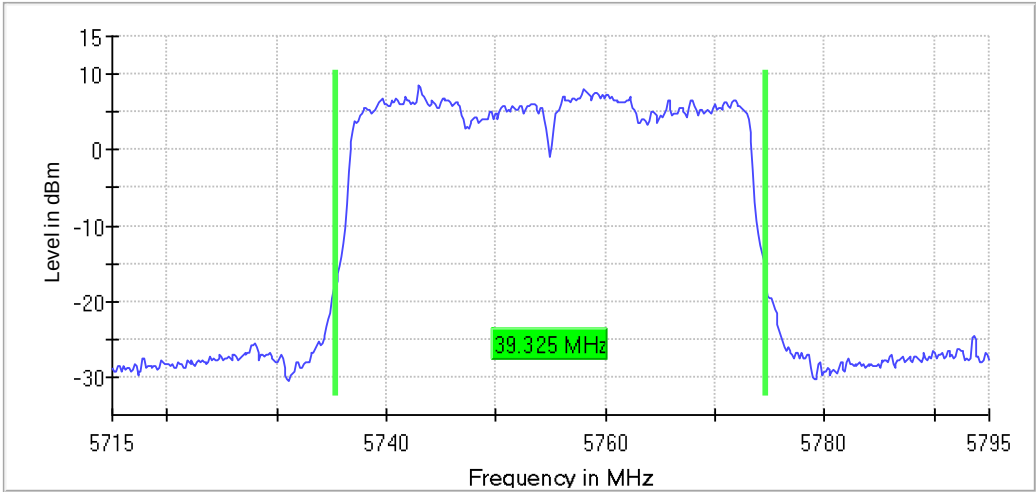
- High Channel 46 (5230 MHz):



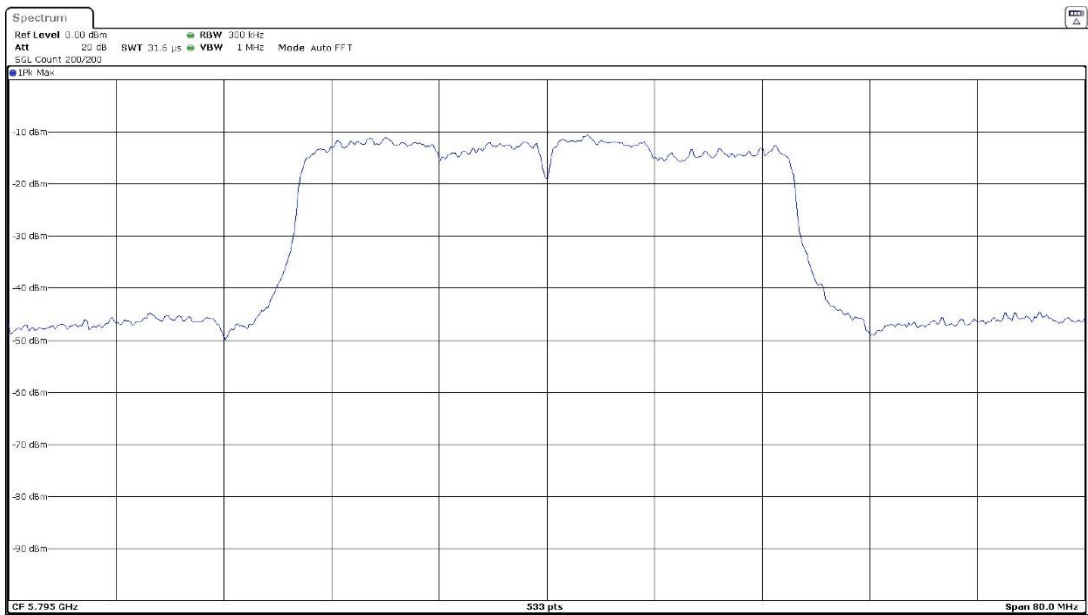
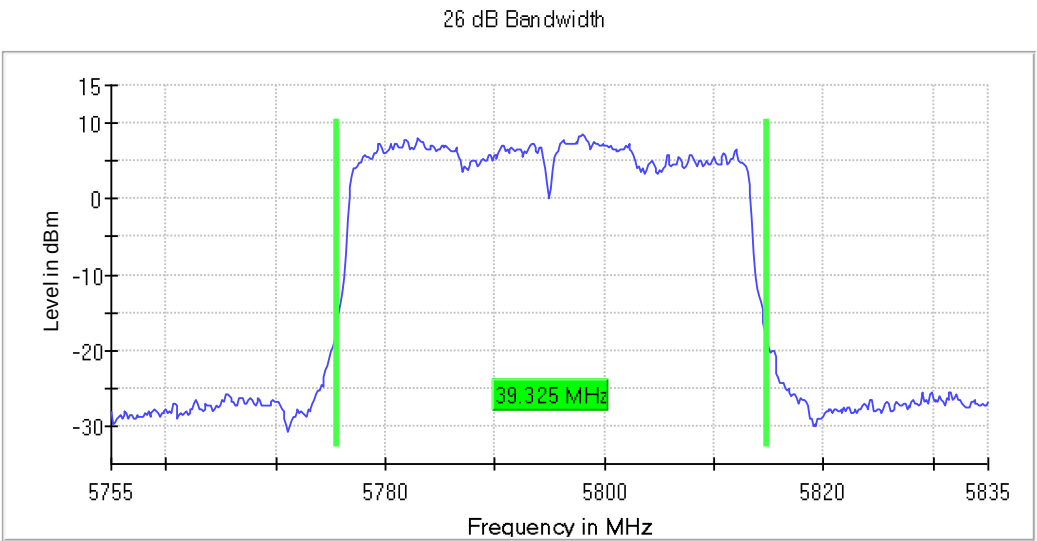
U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):

26 dB Bandwidth



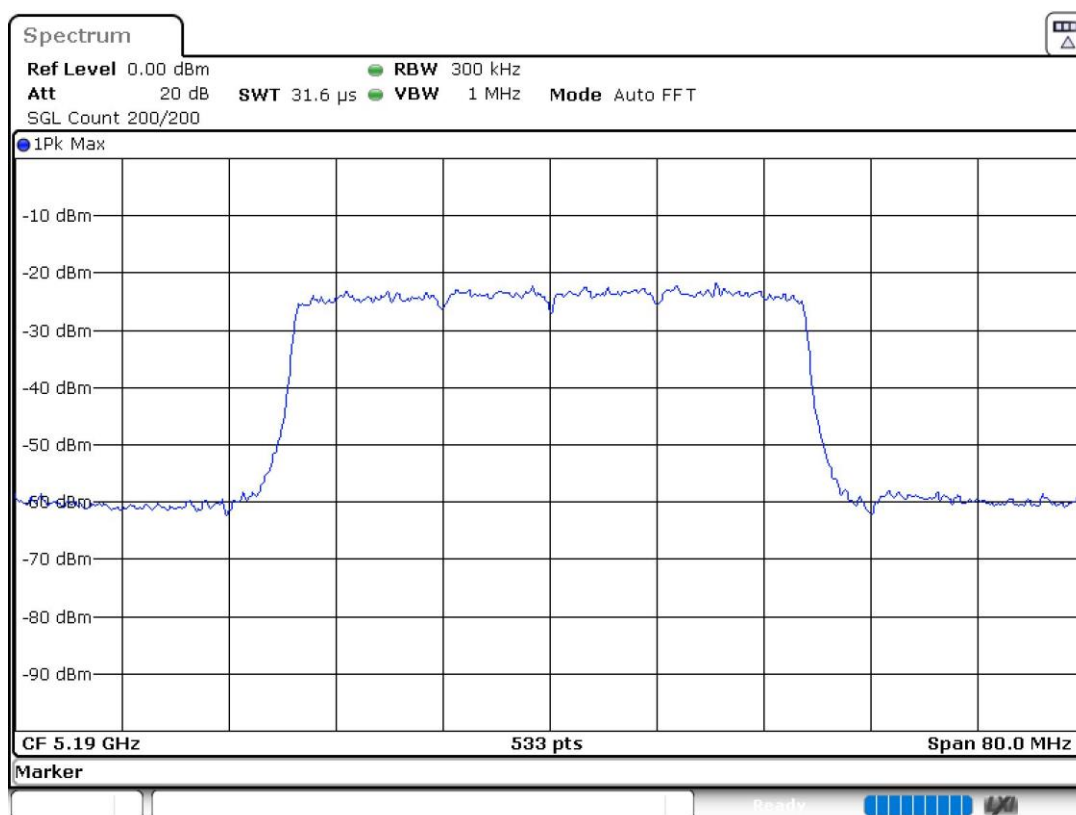
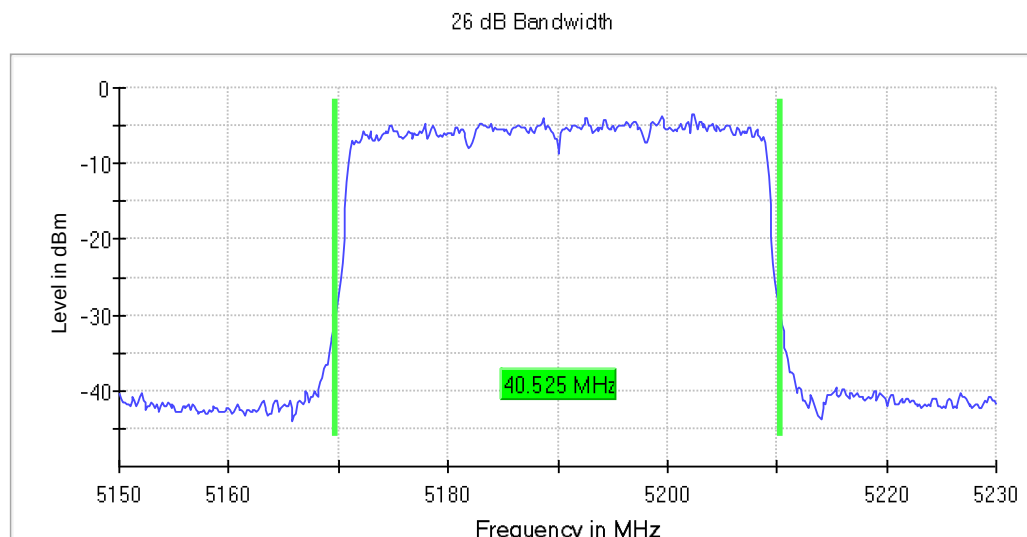
- High Channel 159 (5795 MHz):



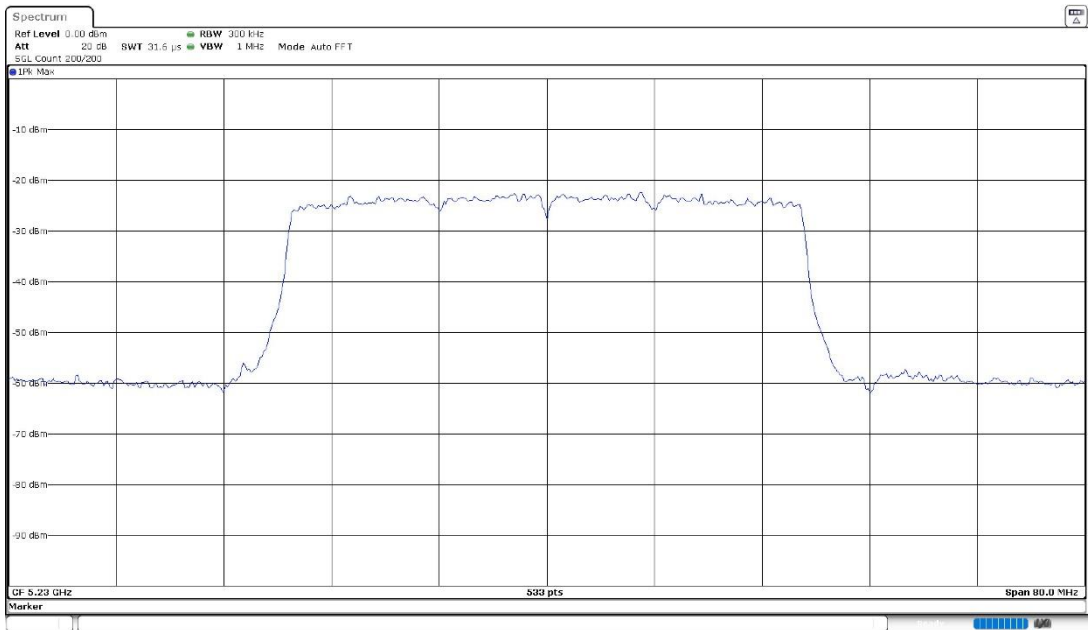
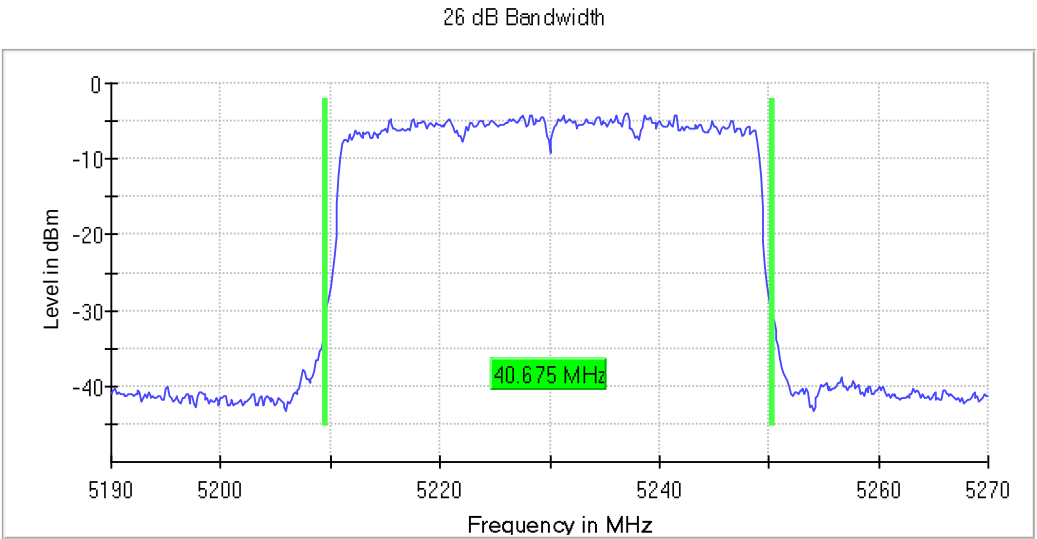
MIMO 802.11 ax40 (HE40) – SU Full channel allocation:

U-NII-1 (5150-5250 MHz)

- Low Channel 38 (5190 MHz):

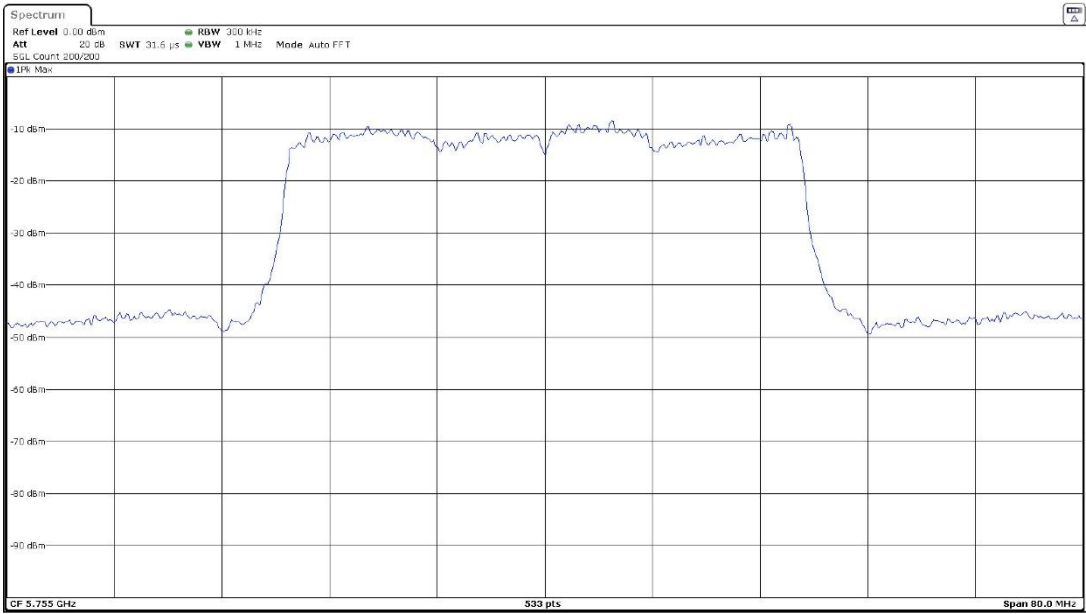
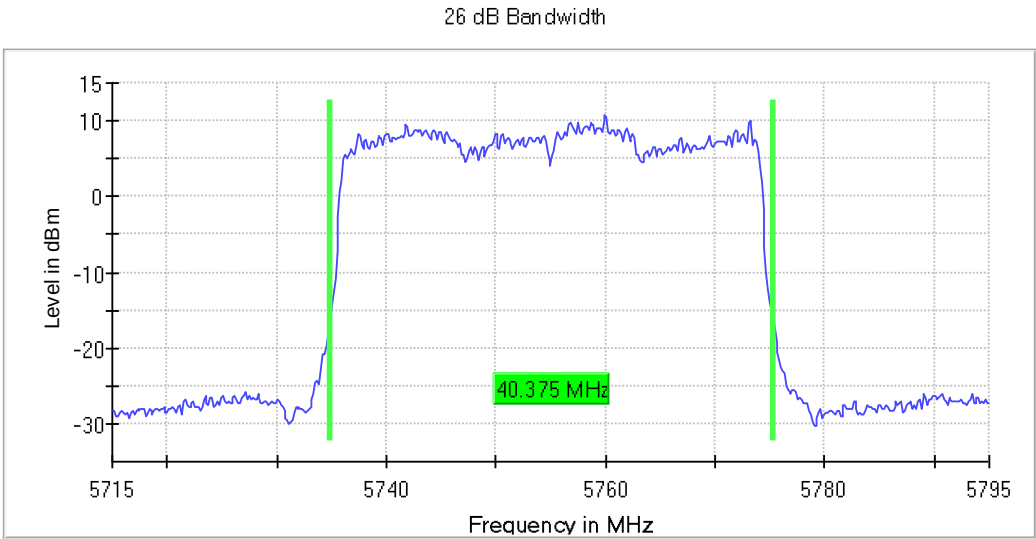


- High Channel 46 (5230 MHz):



U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):



- High Channel 159 (5795 MHz):

