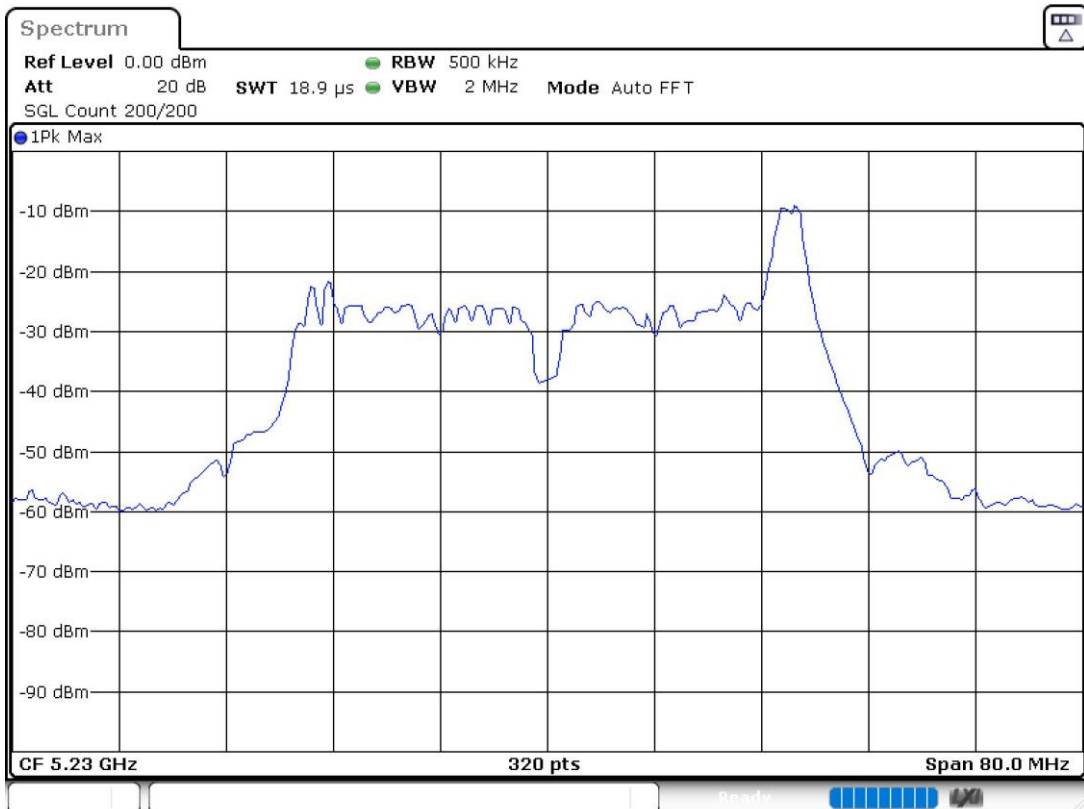
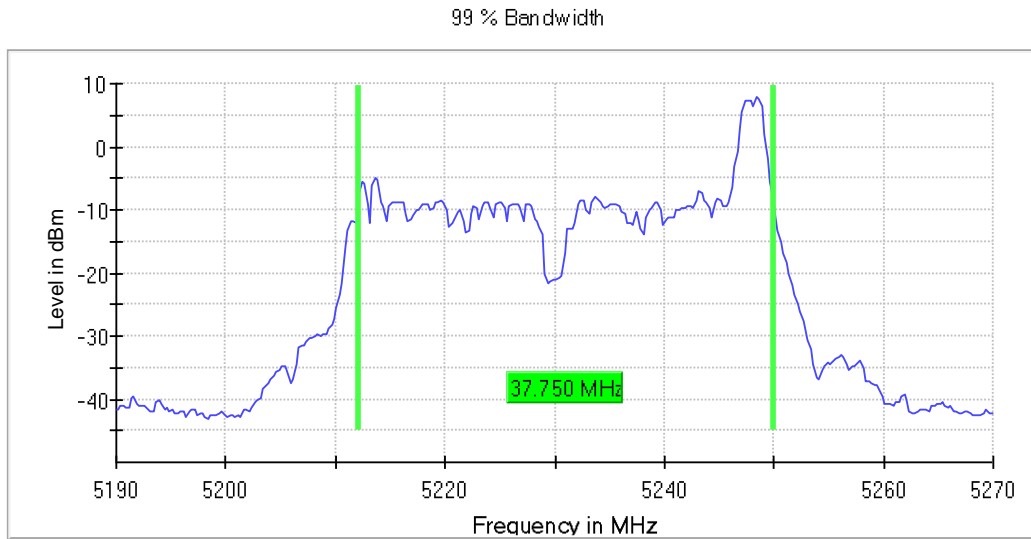
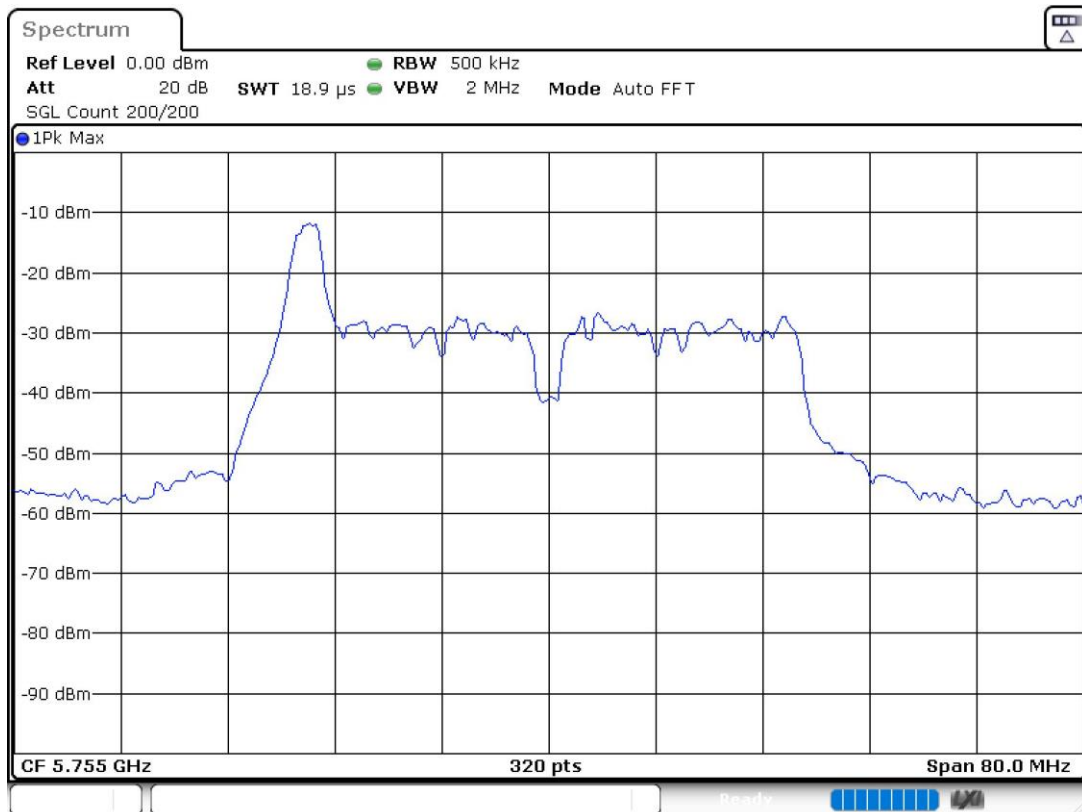
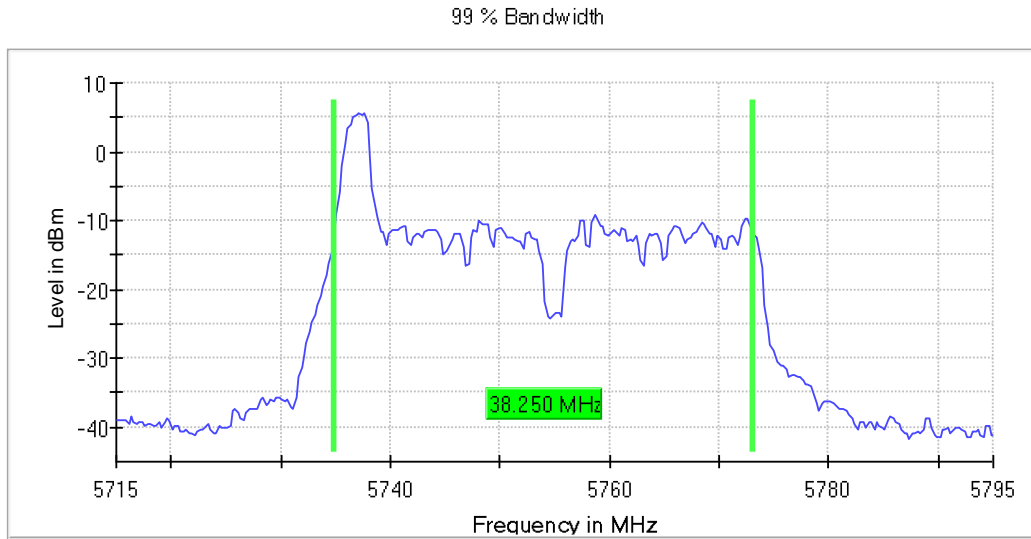


- High Channel 46 (5230 MHz) / RU 26 Offset 17:

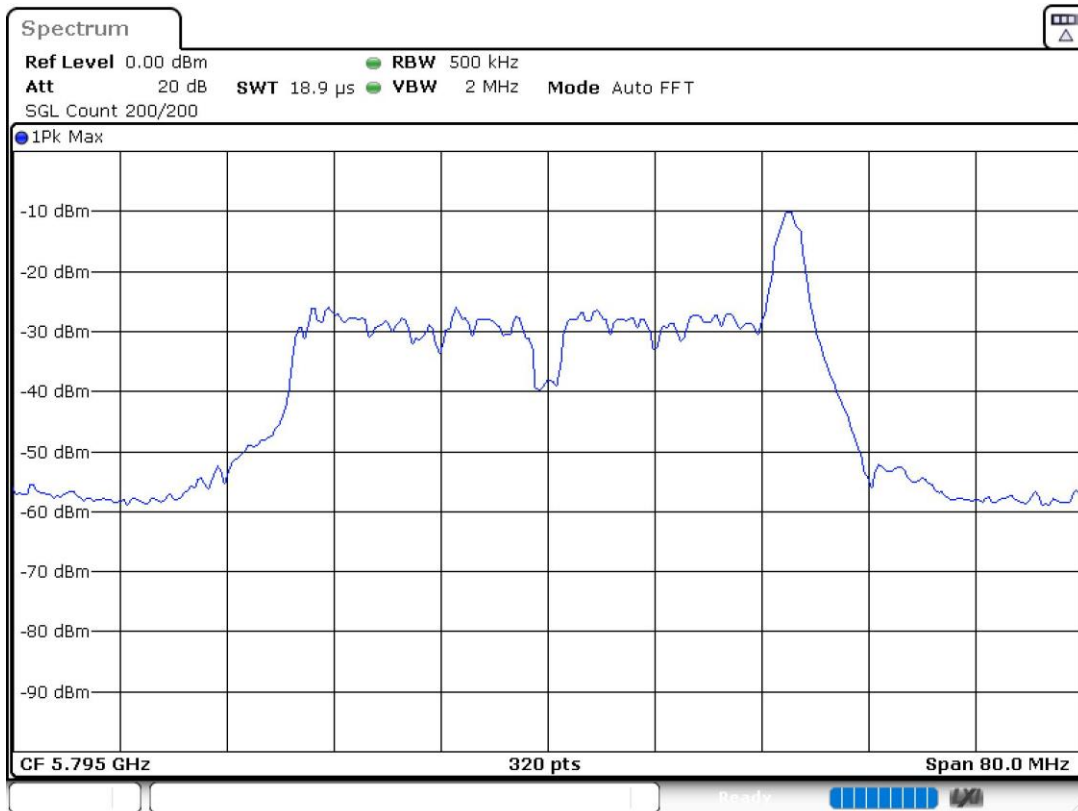
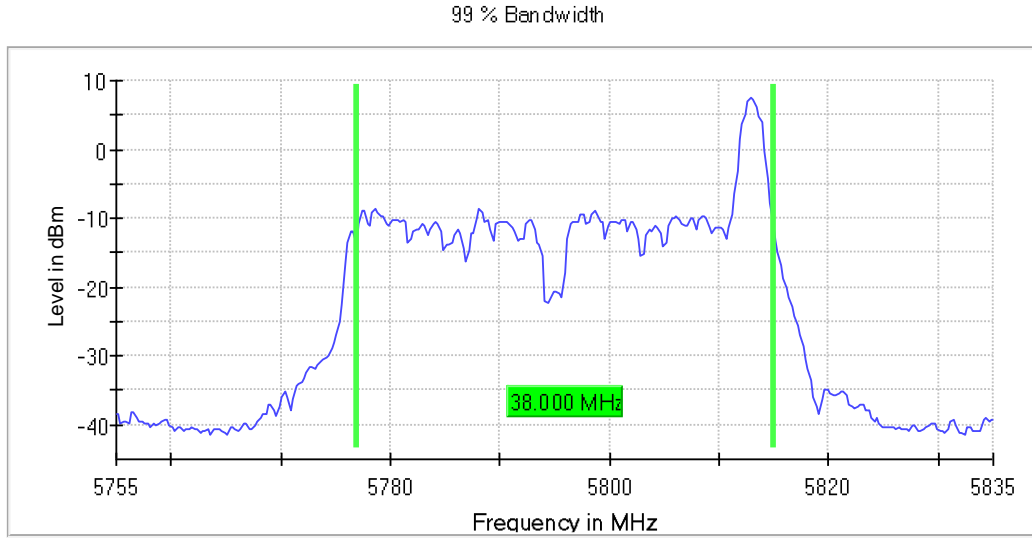


U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz) / RU26 Offset 0:



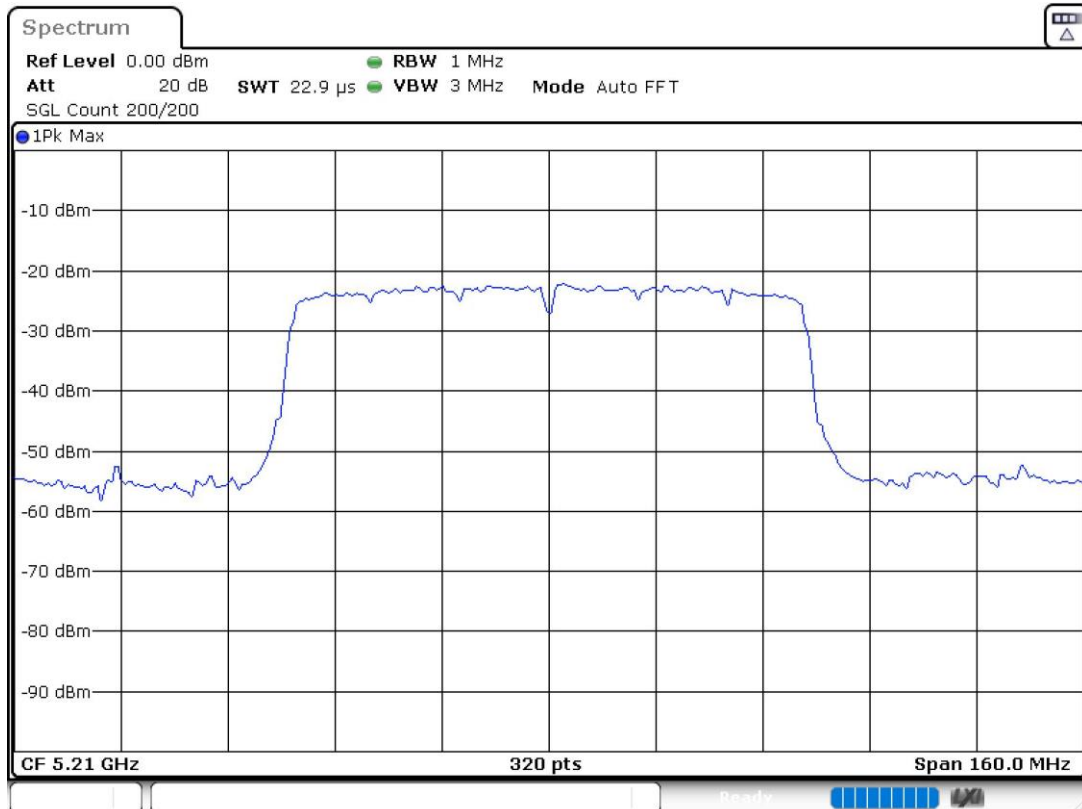
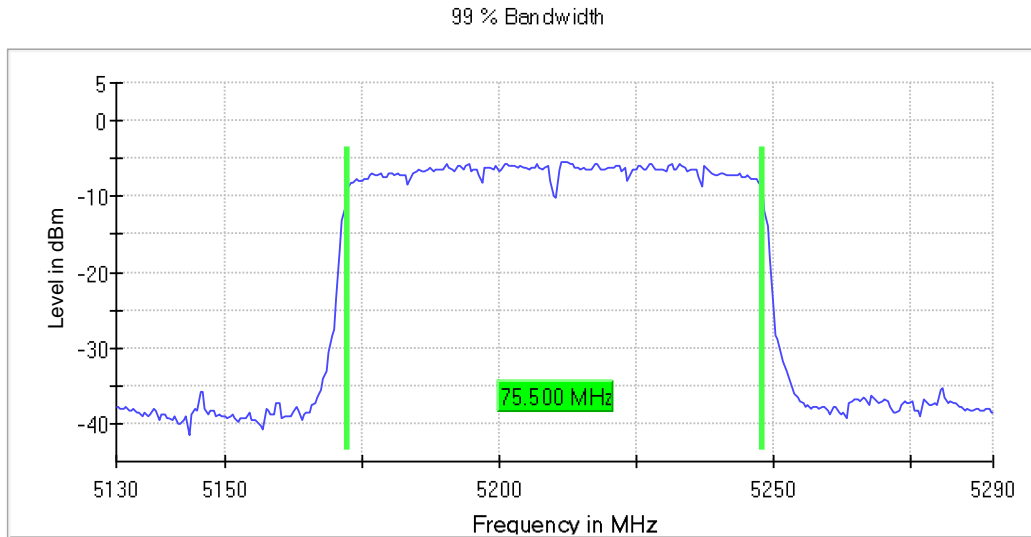
- High Channel 159 (5795 MHz) / RU26 Offset 17:



MIMO 802.11 ac80 (VHT80):

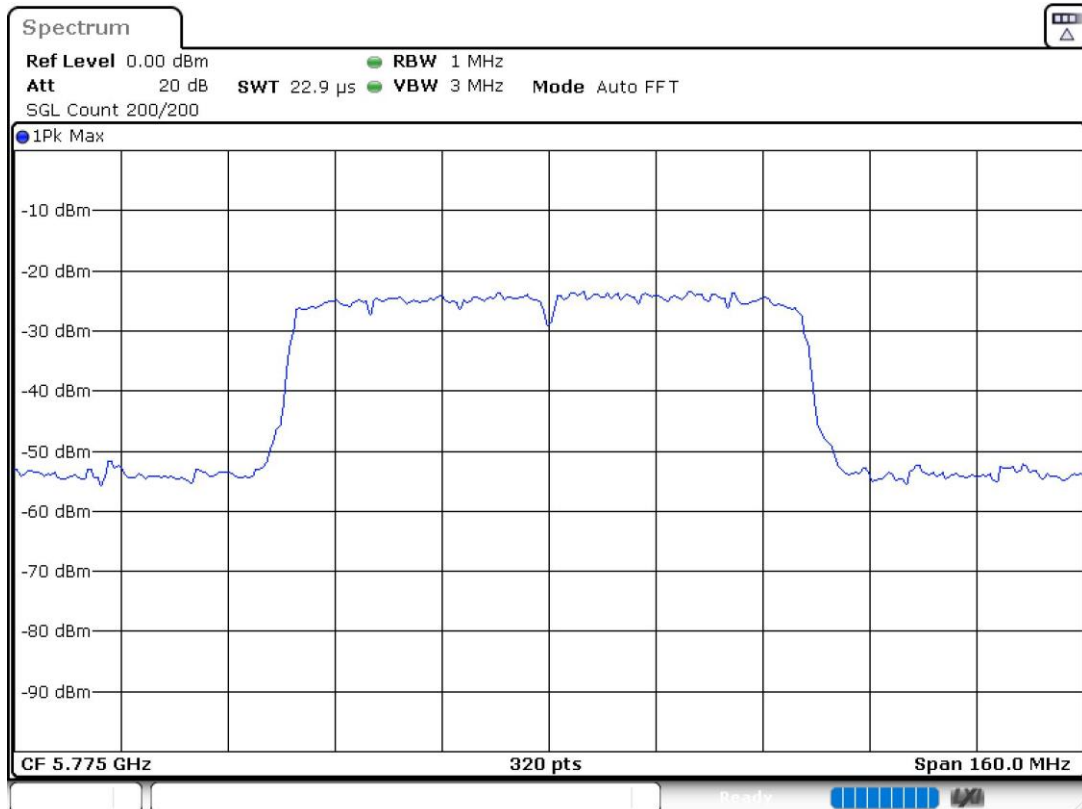
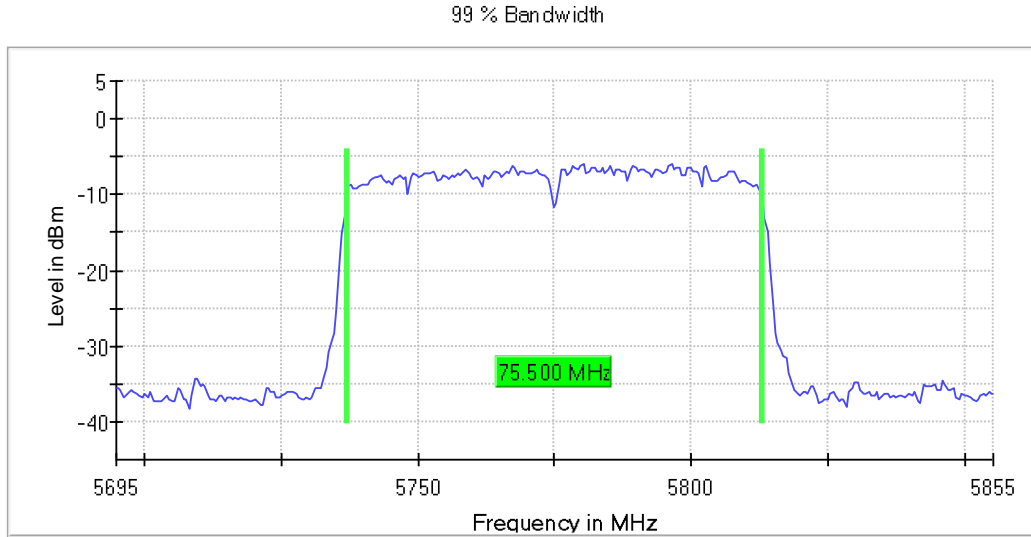
U-NII-1 (5150-5250 MHz)

- Single Channel 42 (5210 MHz):



U-NII-3 (5725-5850 MHz)

- Single Channel 155 (5775 MHz):

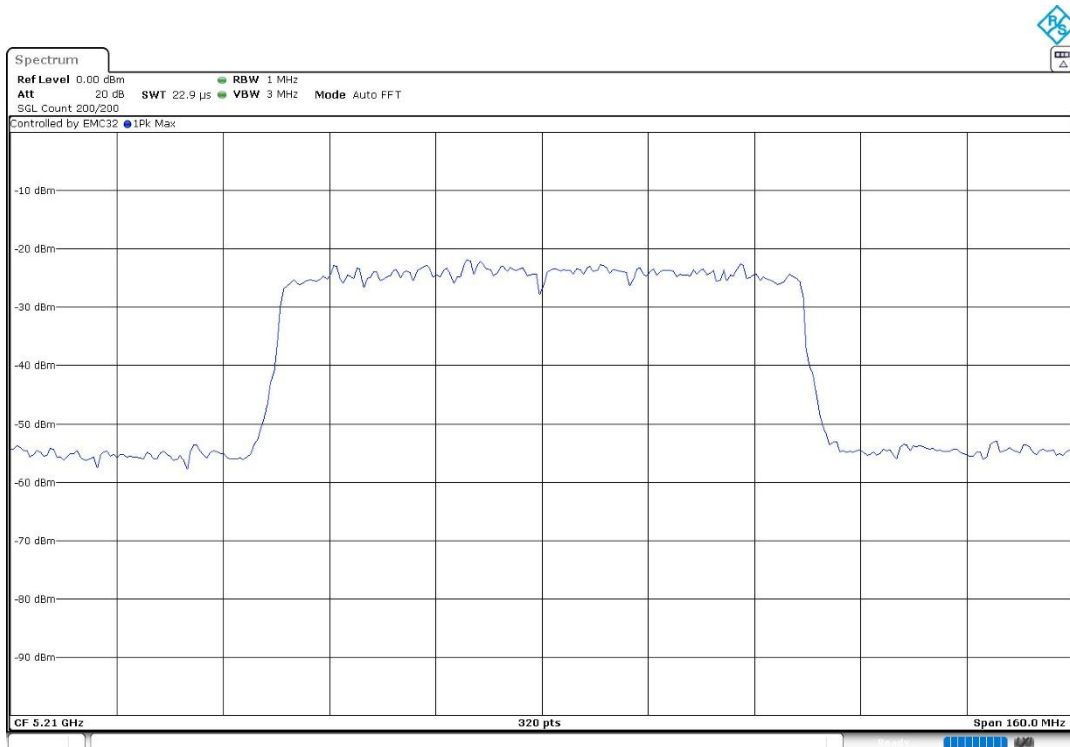
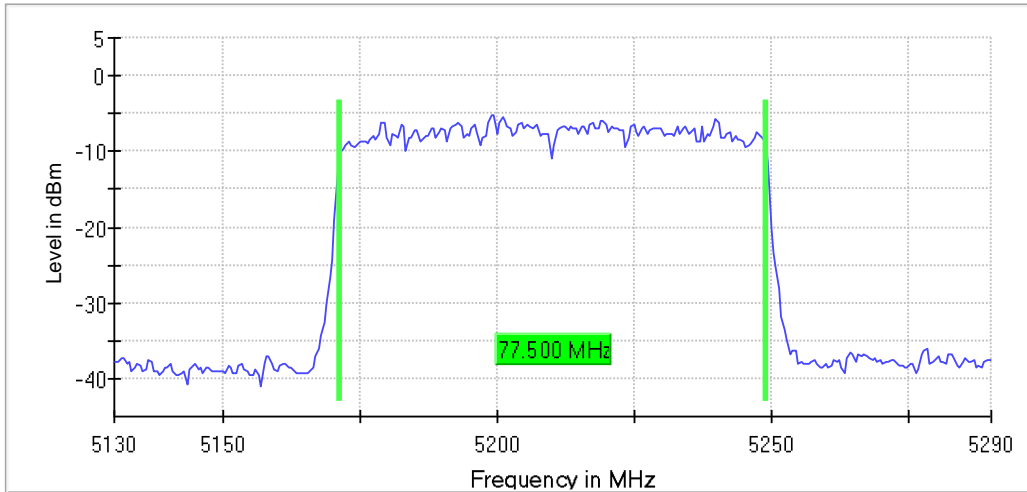


MIMO 802.11 ax80 (HE80) – SU Full-channel allocation:

U-NII-1 (5150-5250 MHz)

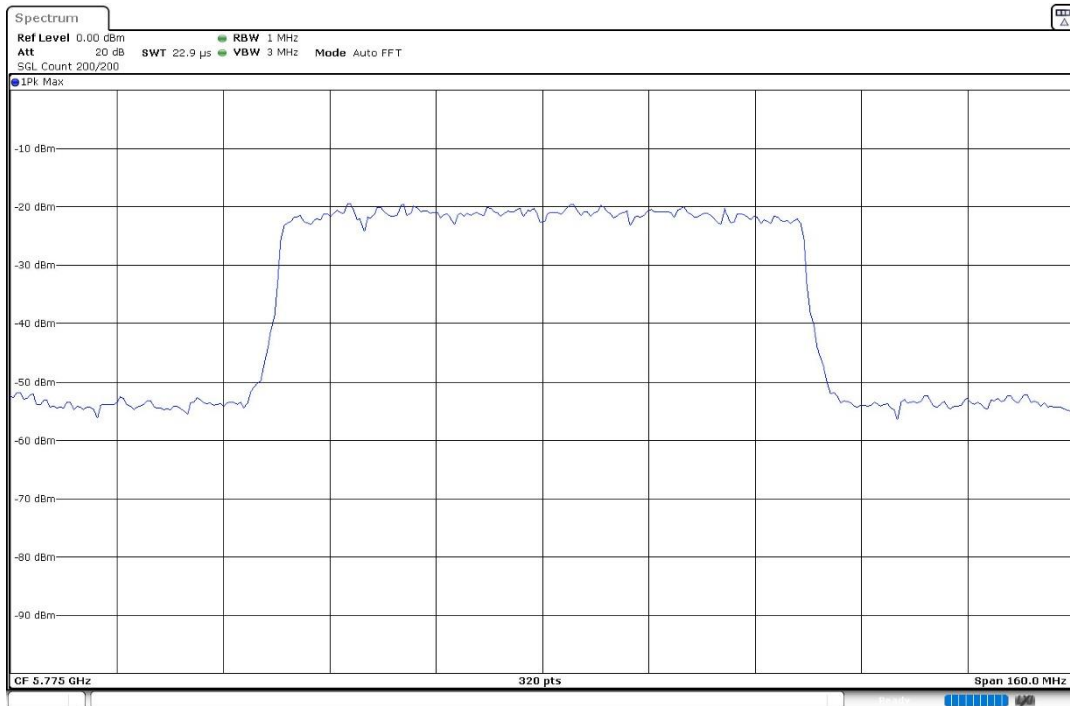
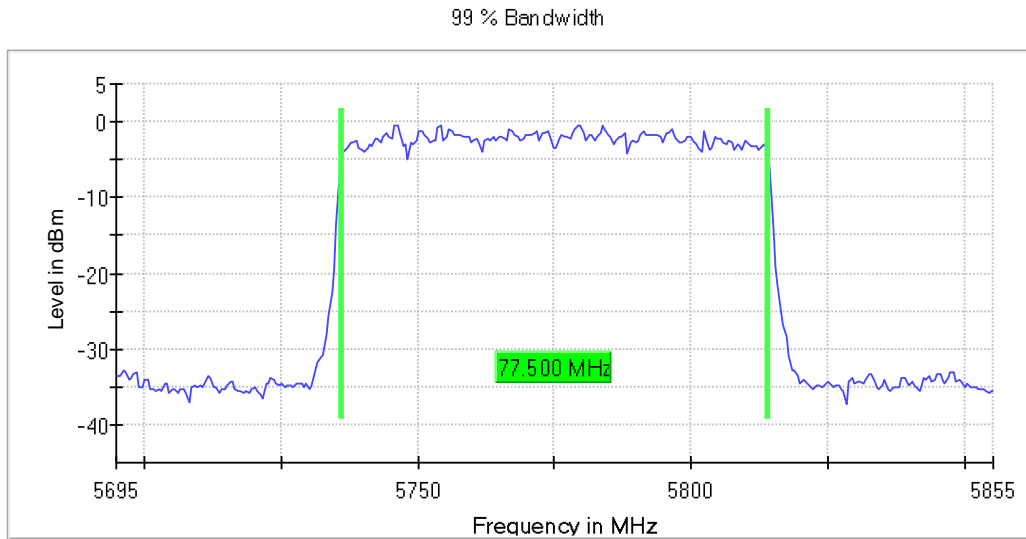
- Single Channel 42 (5210 MHz):

99 % Bandwidth



U-NII-3 (5725-5850 MHz)

- Single Channel 155 (5775 MHz):



Transmitter. 26 dB Emission Bandwidth (EBW)

RESULTS:

The 26 dB Emission Bandwidth was measured using the method according to clause C) 1) of 789033 D02 General UNII Test Procedures New Rules v02r01.

This test was performed on all the supported modes of the EUT, in the worst data rates after preliminary testing.

Preliminary tests determined the SISO worst case: Chain 1.
 Preliminary tests determined the MIMO worst case: Chain 1.

SISO worst case

SISO 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)	19.100000	19.000000	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)	19.200000	18.900000	18.900000
Measurement uncertainty (kHz)	< ±23.02		

SISO 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)	20.300000	20.100000	20.200000
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)	20.400000	20.300000	20.300000
Measurement uncertainty (kHz)	< ±23.02		

SISO 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)	18.000000	21.700000	20.900000
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)	20.200000	20.400000	20.400000
Measurement uncertainty (kHz)	< ±23.02		

SISO 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)
26 dB Emission Bandwidth (MHz)	21.100000	21.000000	21.000000
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)	20.900000	21.000000	21.000000
Measurement uncertainty (kHz)	< ±23.02		

SISO 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)
26 dB Emission Bandwidth (MHz)	20.000000	18.900000	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)	20.300000	18.900000	20.000000
Measurement uncertainty (kHz)	< ±23.02		

SISO 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	39.774860
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)	39.474672	39.474672
Measurement uncertainty (kHz)	< ±23.02	

SISO 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	39.924954
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)	39.474672	39.474672
Measurement uncertainty (kHz)	< ±23.02	

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

SISO 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	40.225141
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)	40.075047	40.225141
Measurement uncertainty (kHz)	< ±23.02	

SISO 802.11 ac80 (VHT80):

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

Channel	Single Channel 42 (5210 MHz)
26 dB Emission Bandwidth (MHz)	82.500000
Measurement uncertainty (kHz)	< ±23.02

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

Channel	Single Channel 155 (5775 MHz)
26 dB Emission Bandwidth (MHz)	83.000000
Measurement uncertainty (kHz)	< ±23.02

SISO 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)	83.500000
Measurement uncertainty (kHz)	< ±23.02

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

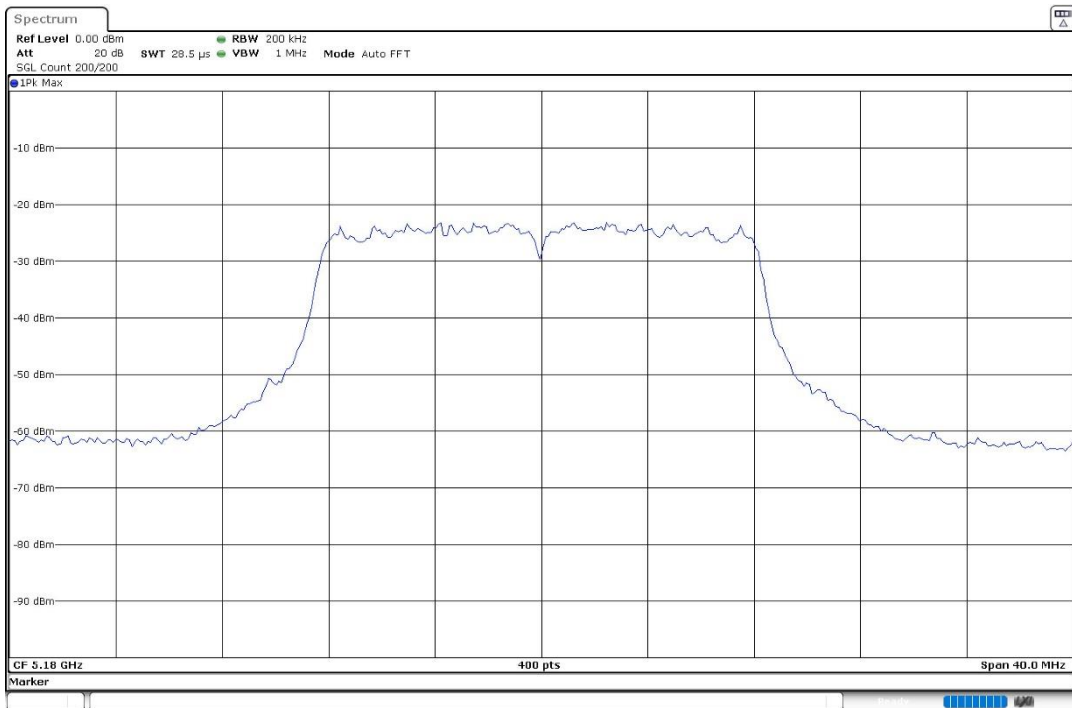
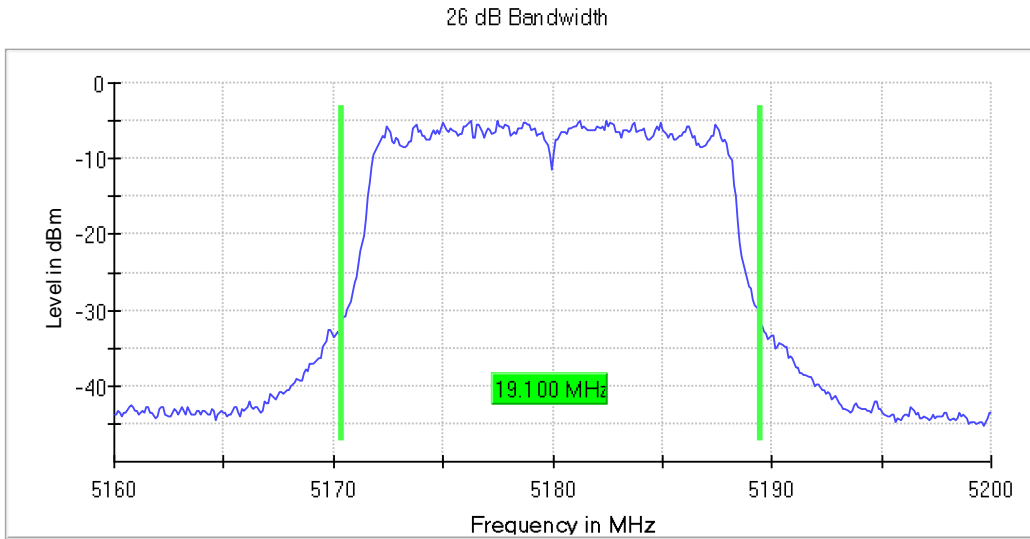
Channel	Single Channel 155 (5775 MHz)
26 dB Emission Bandwidth (MHz)	83.500000
Measurement uncertainty (kHz)	< ±23.02

SISO worst case

SISO 802.11 a20:

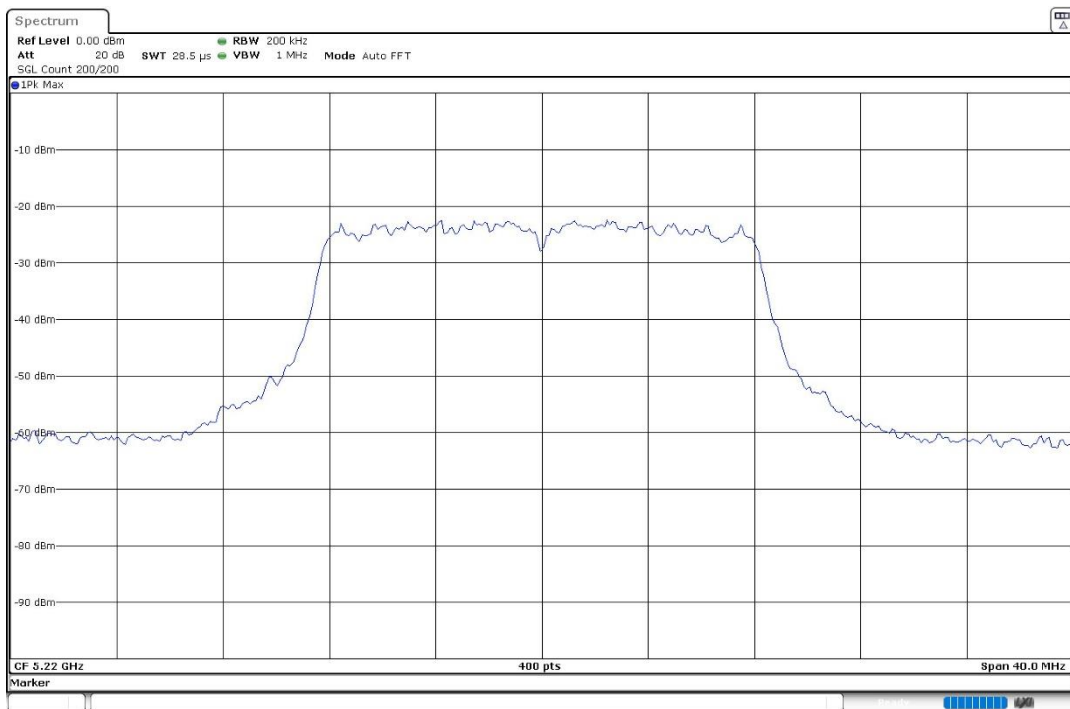
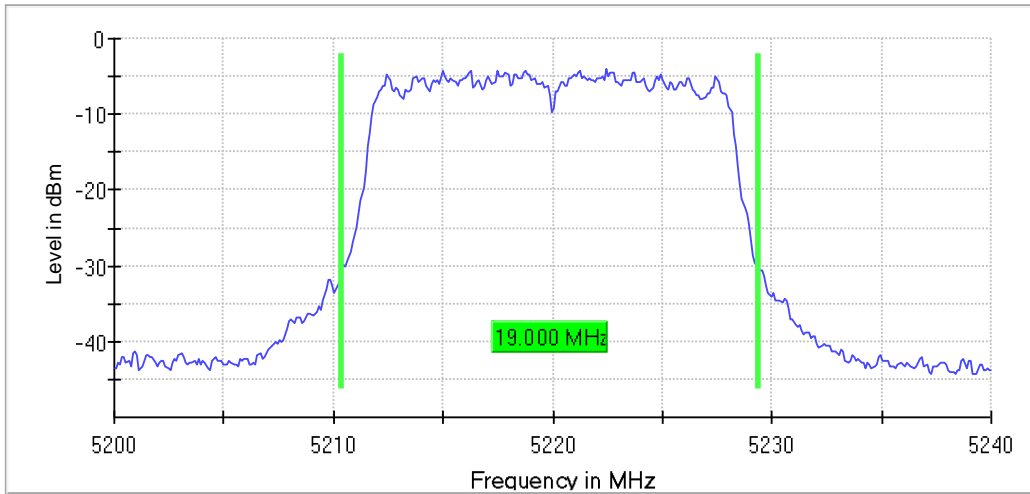
U-NII-1 (5150-5250 MHz)

- Low Channel 36 (5180 MHz):

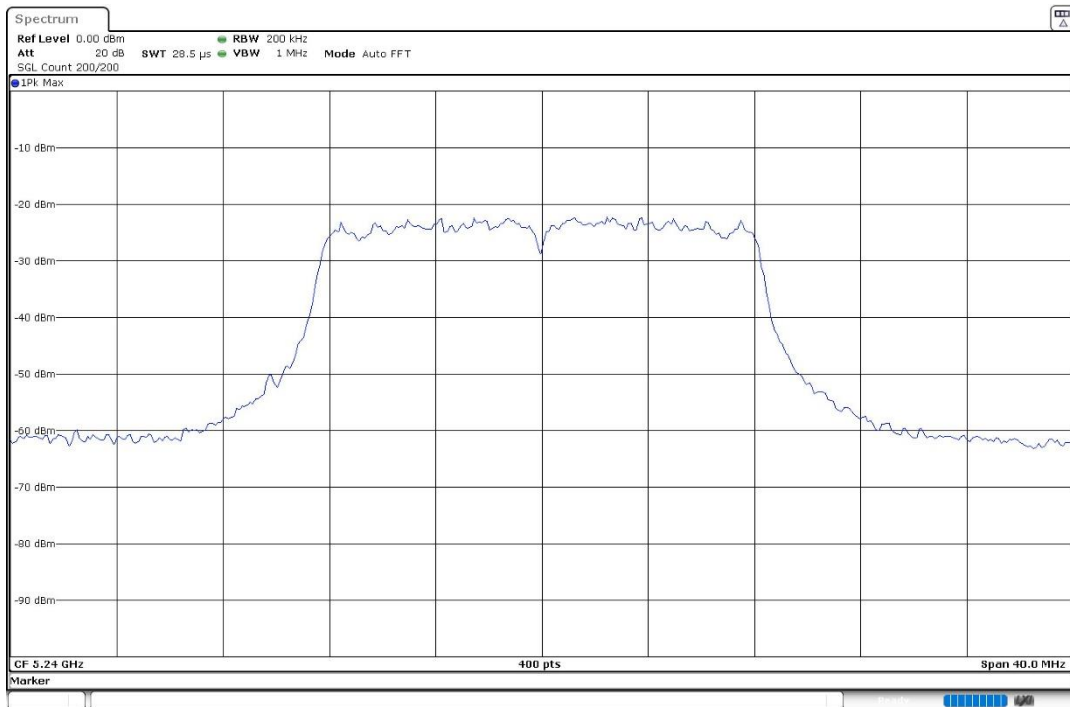
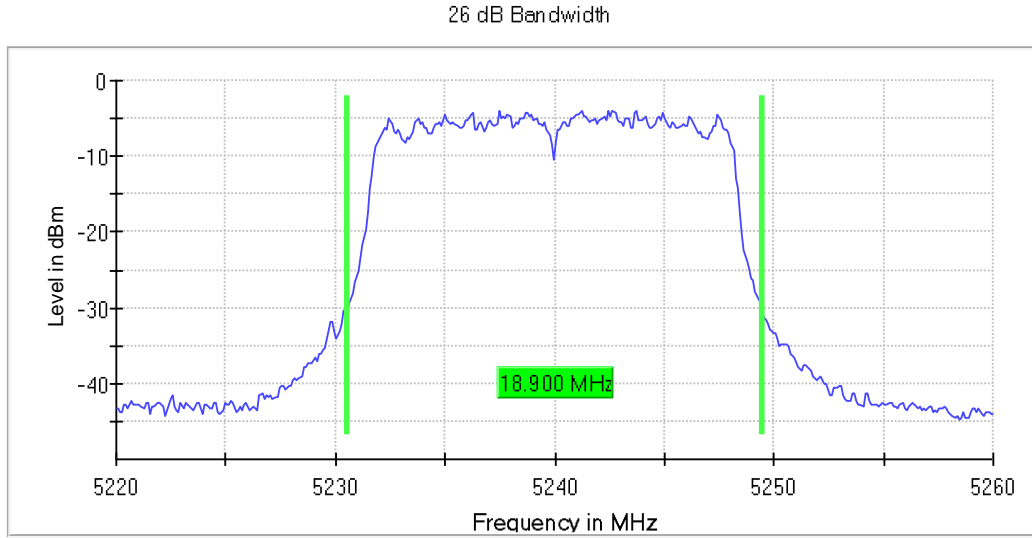


- Channel 44 (5220 MHz):

26 dB Bandwidth

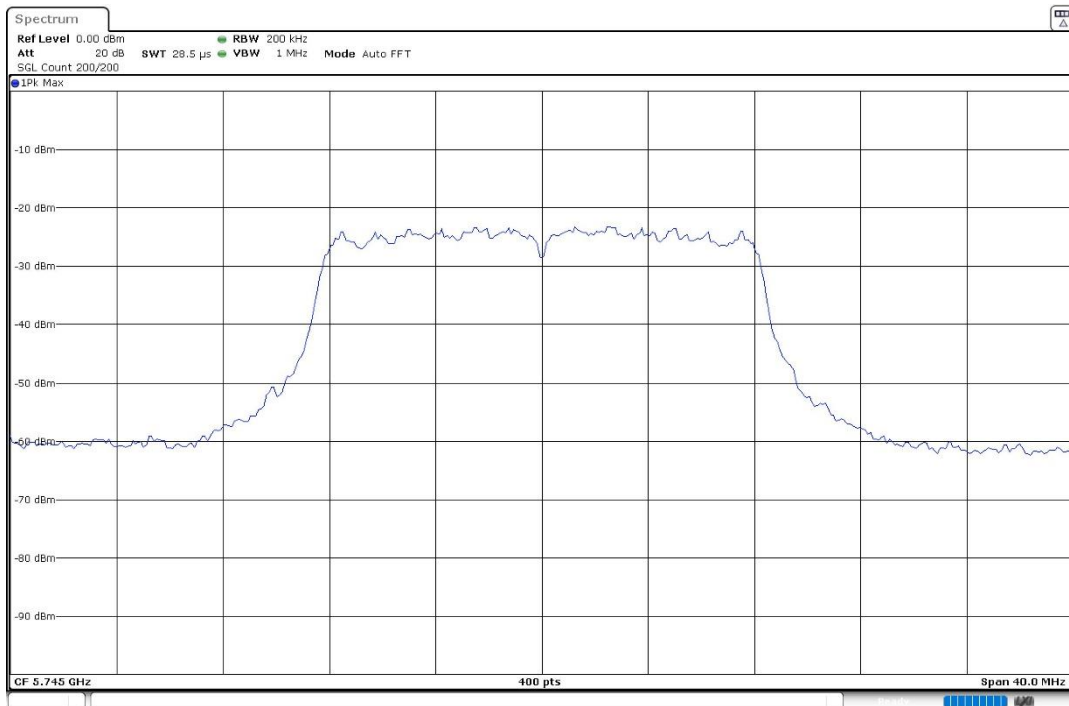
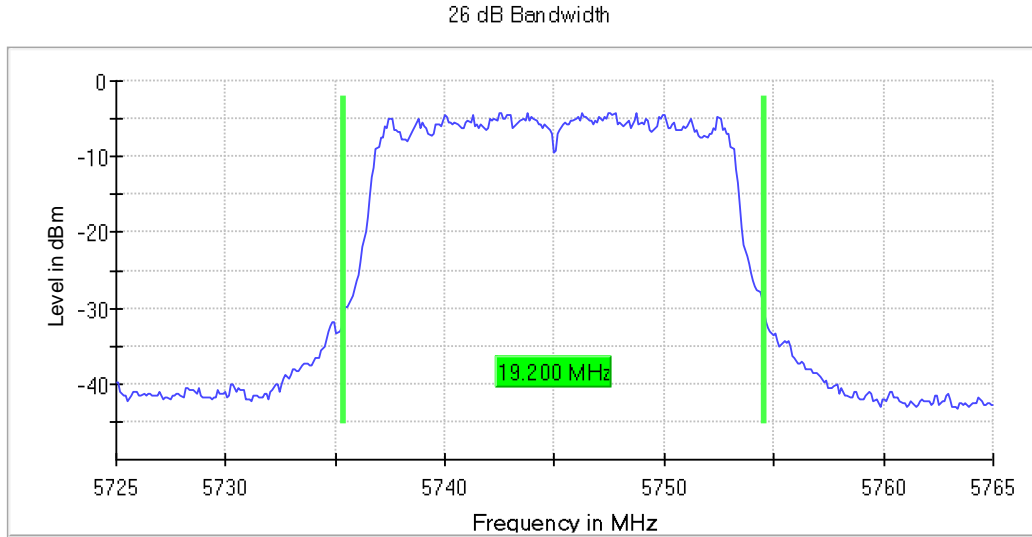


- High Channel 48 (5240 MHz):



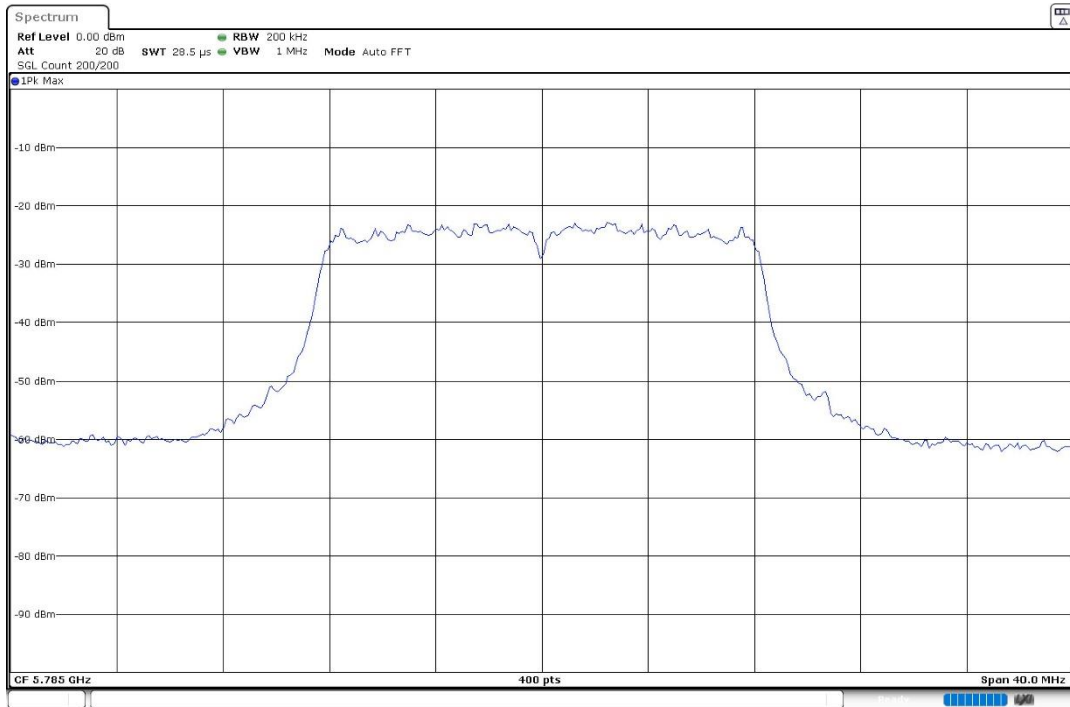
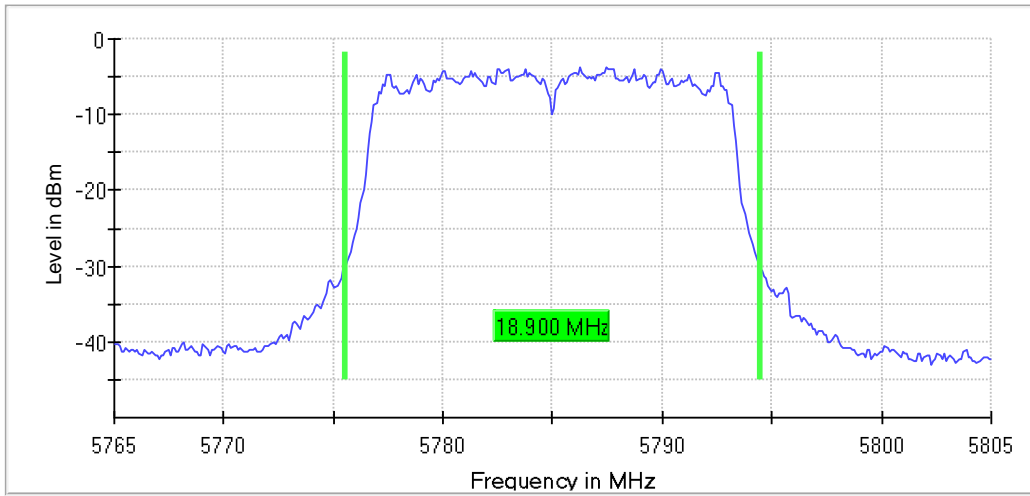
U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):



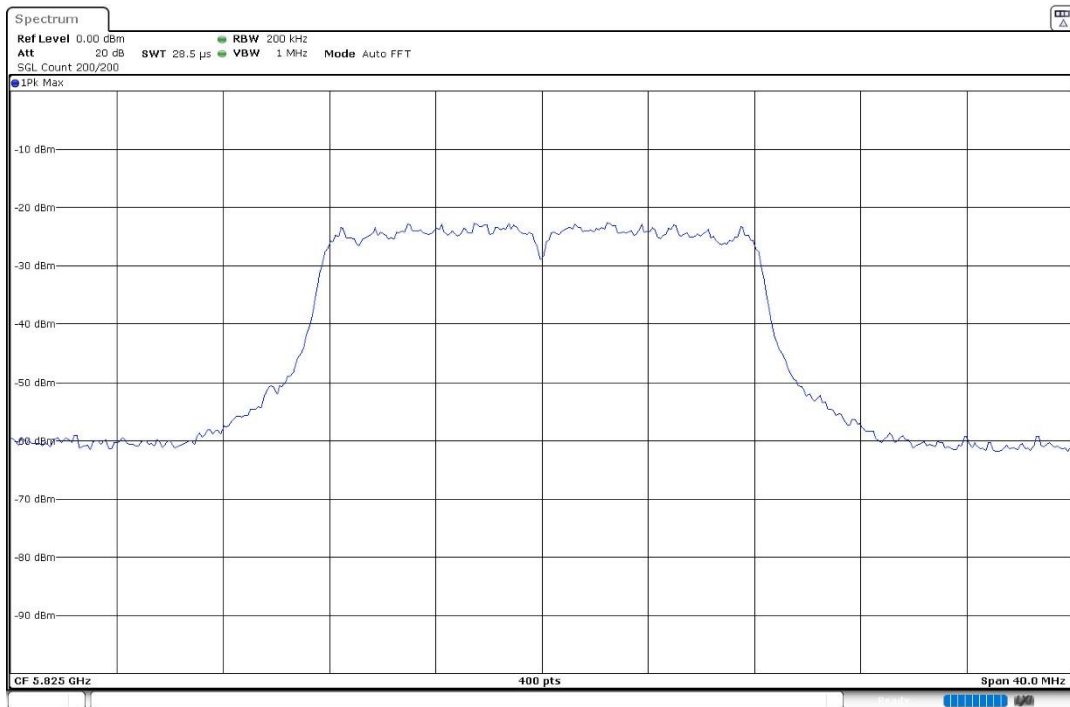
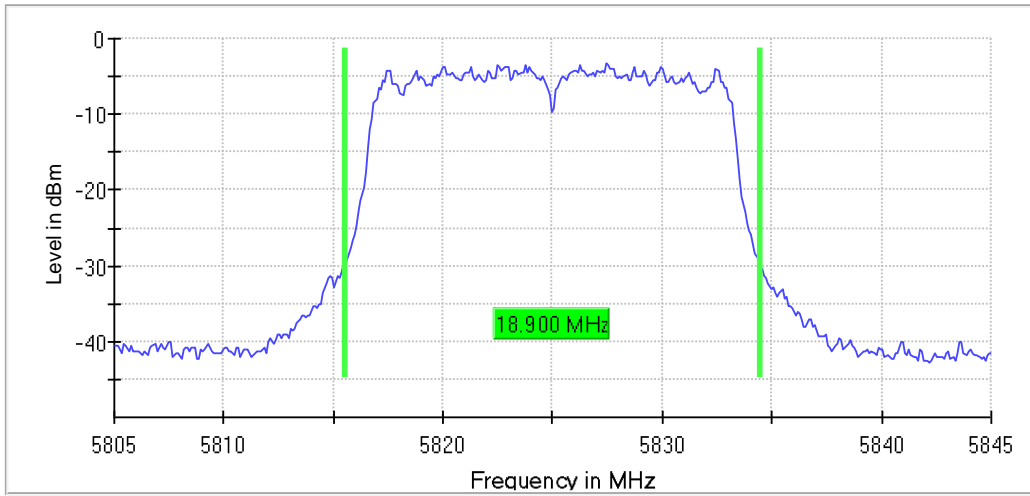
- Middle Channel 157 (5785 MHz):

26 dB Bandwidth



- High Channel 165 (5825 MHz):

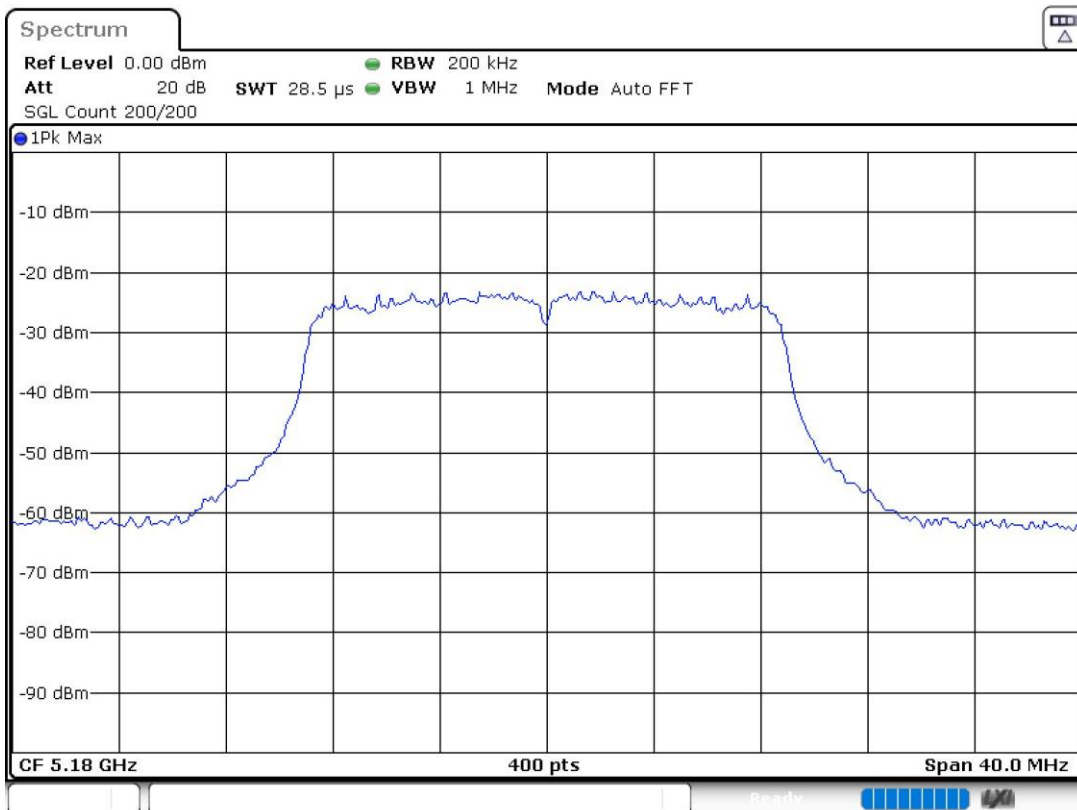
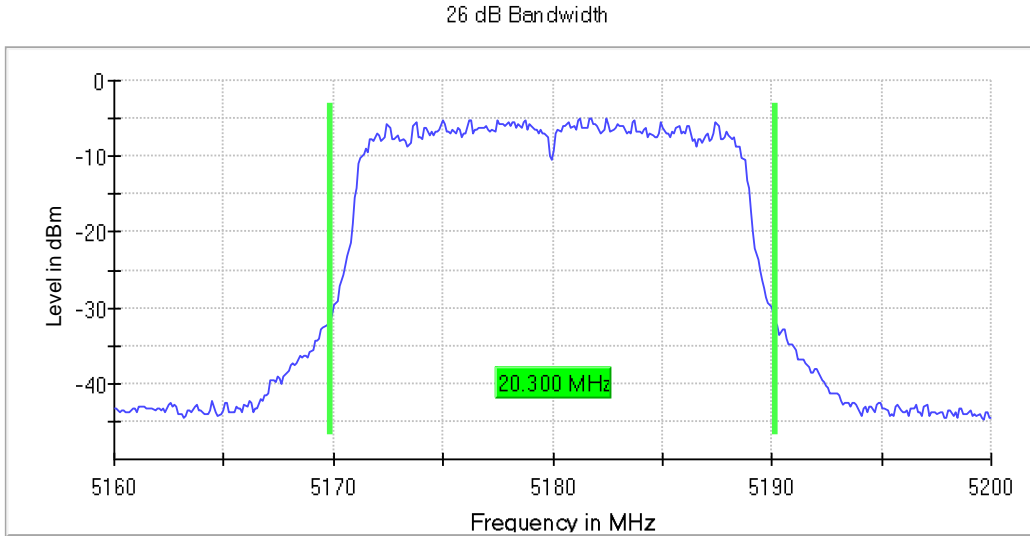
26 dB Bandwidth



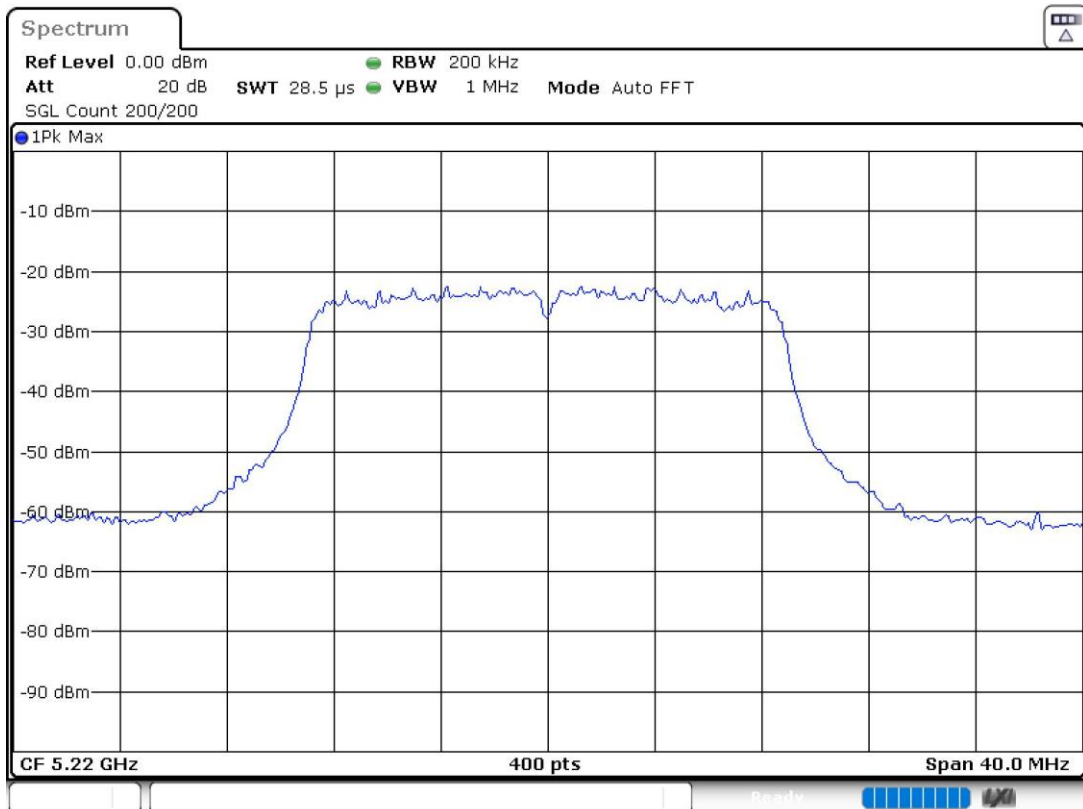
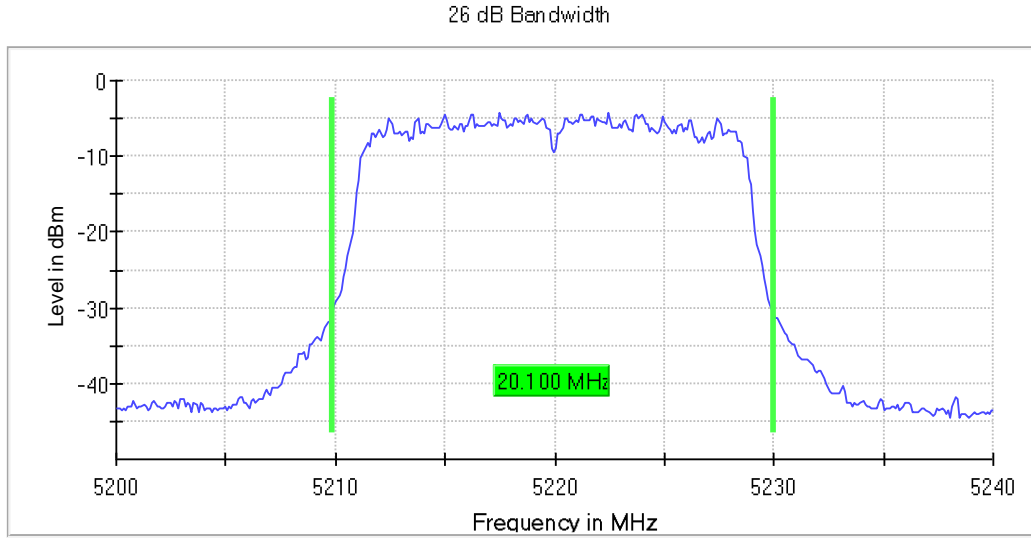
SISO 802.11 n20 (HT20):

U-NII-1 (5150-5250 MHz)

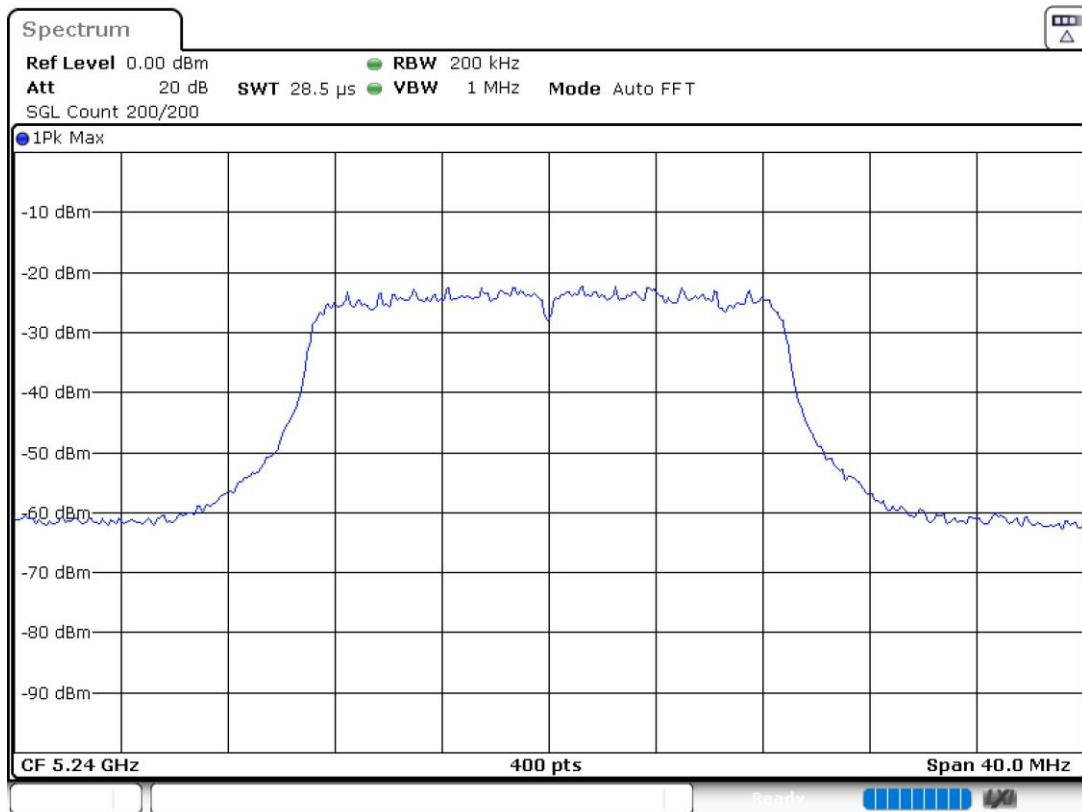
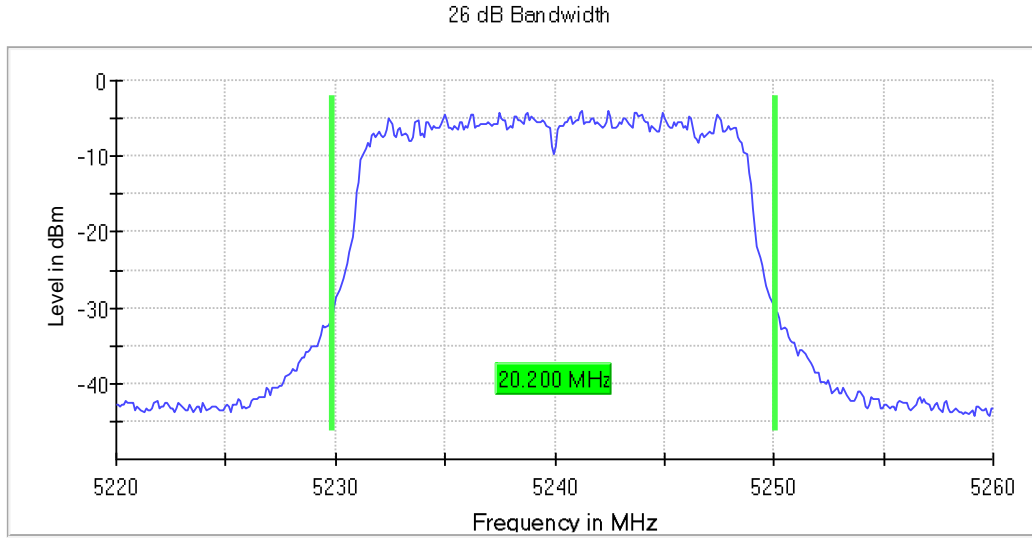
- Low Channel 36 (5180 MHz):



- Channel 44 (5220 MHz):

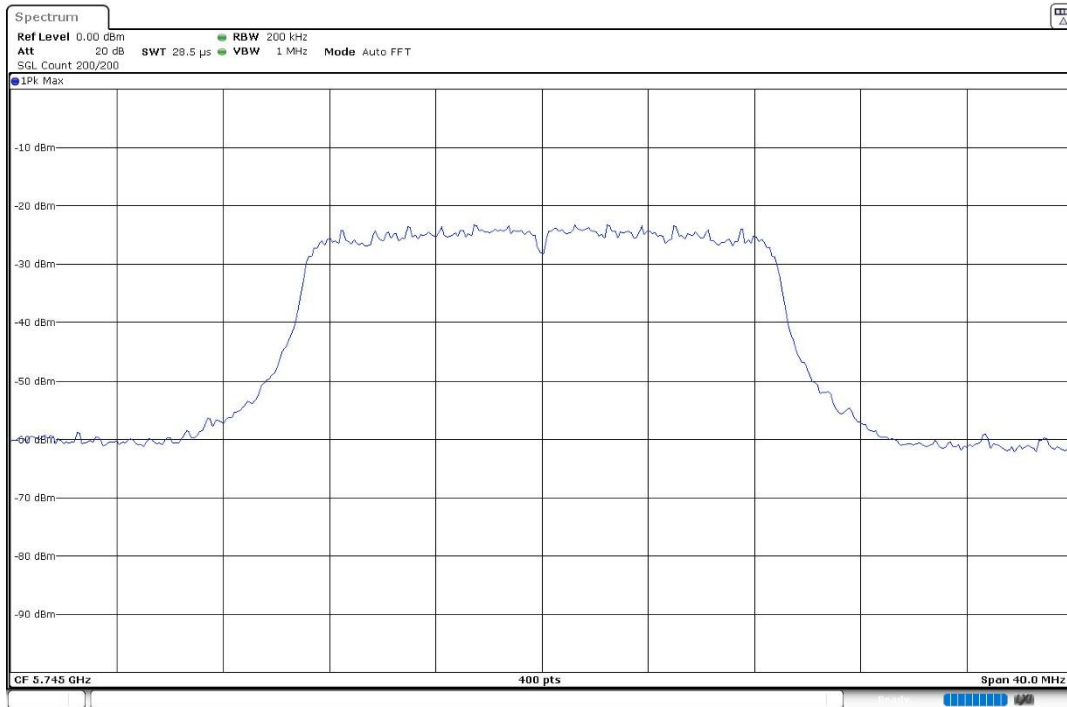
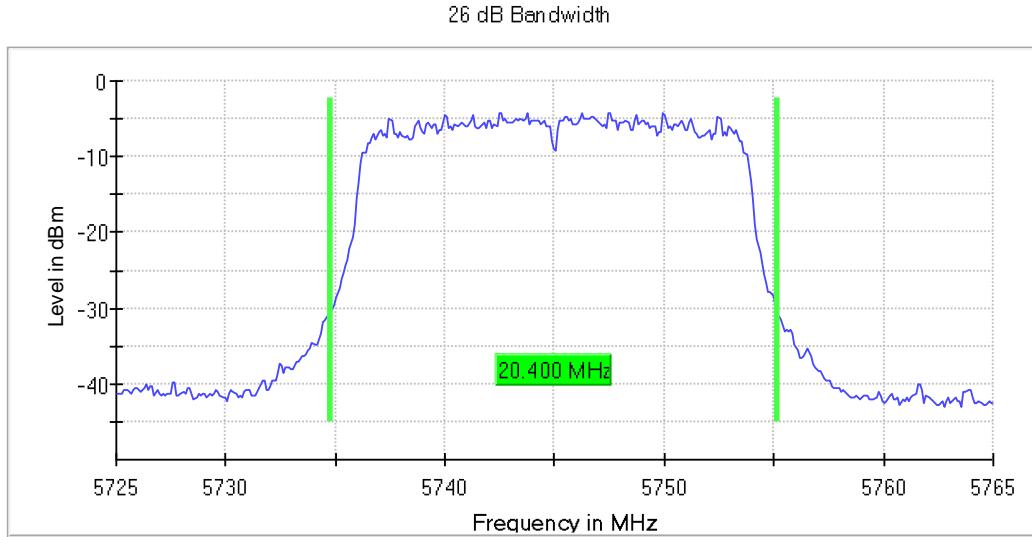


- High Channel 48 (5240 MHz):



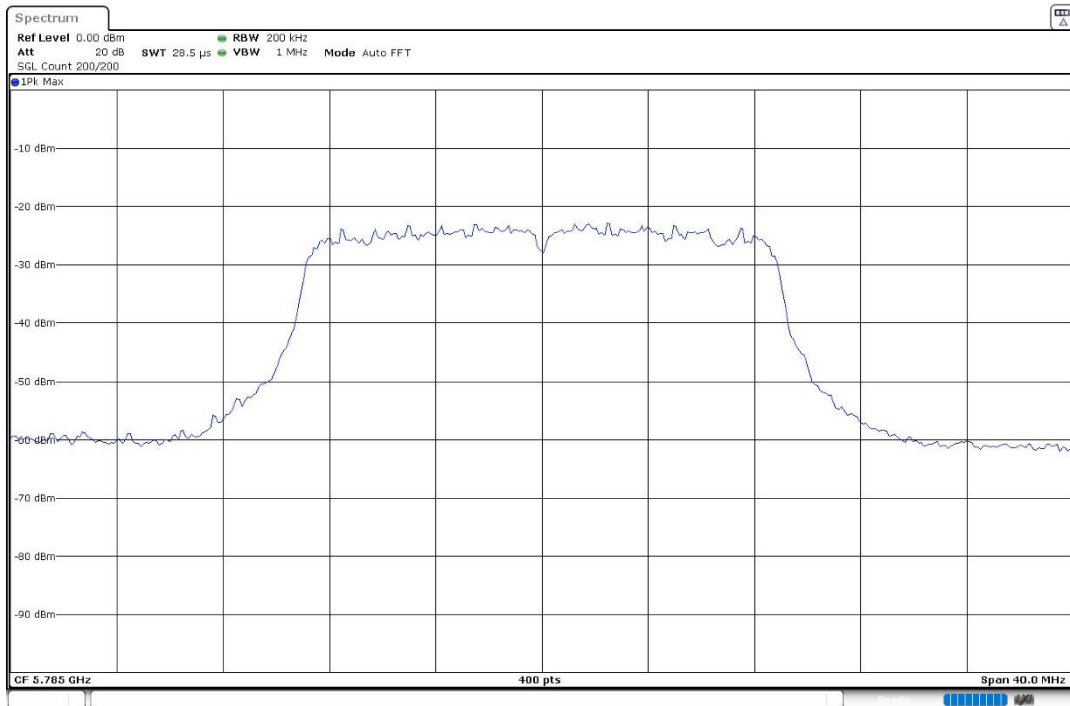
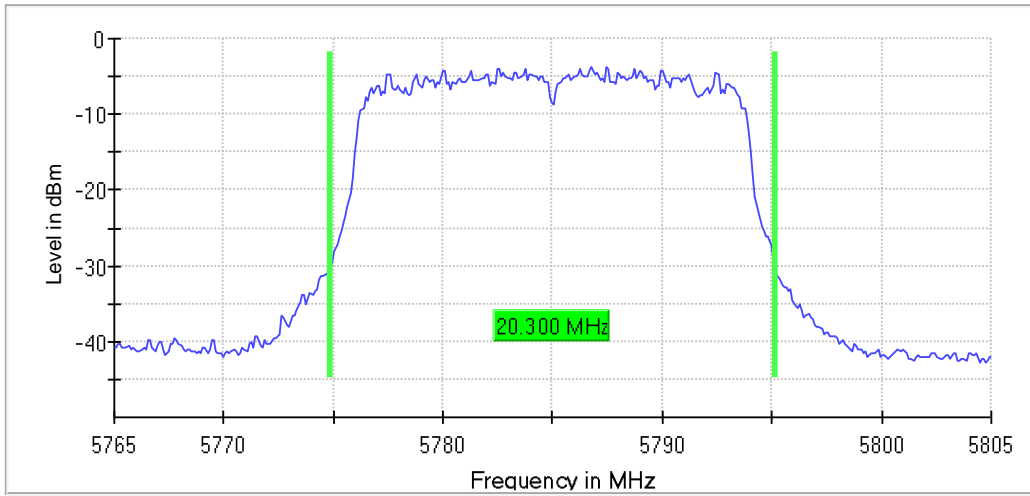
U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):



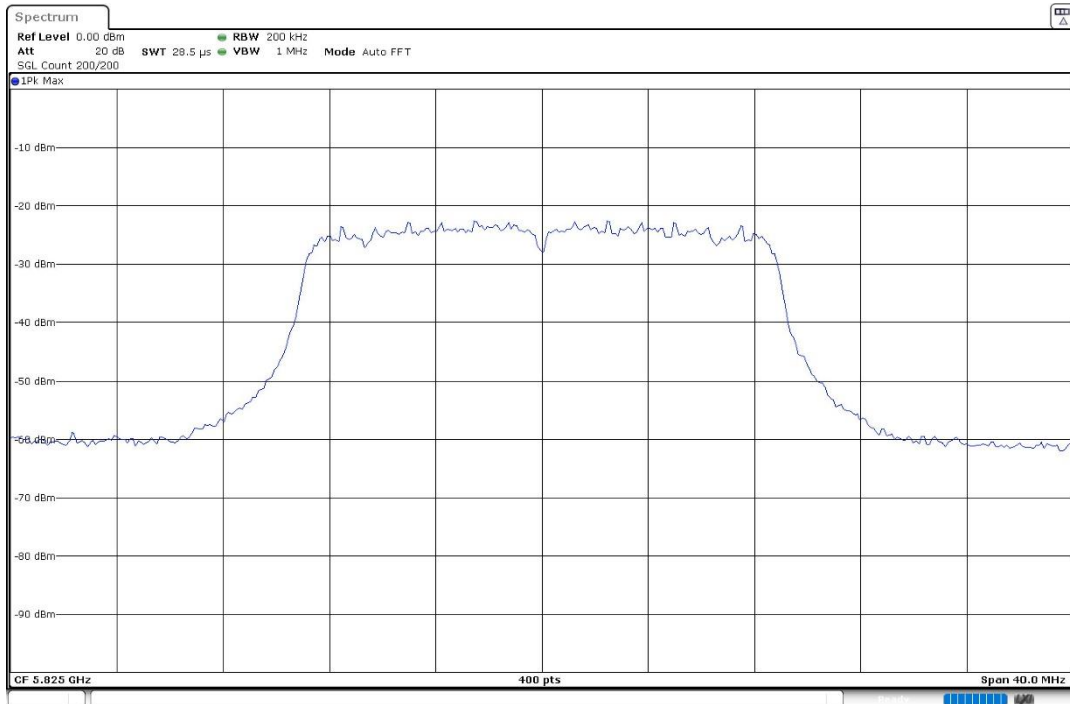
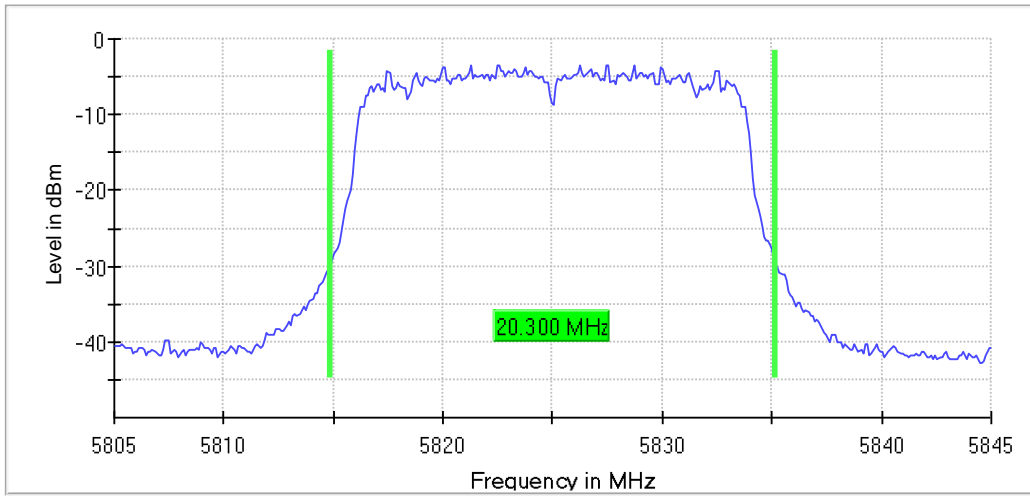
- Middle Channel 157 (5785 MHz):

26 dB Bandwidth



- High Channel 165 (5825 MHz):

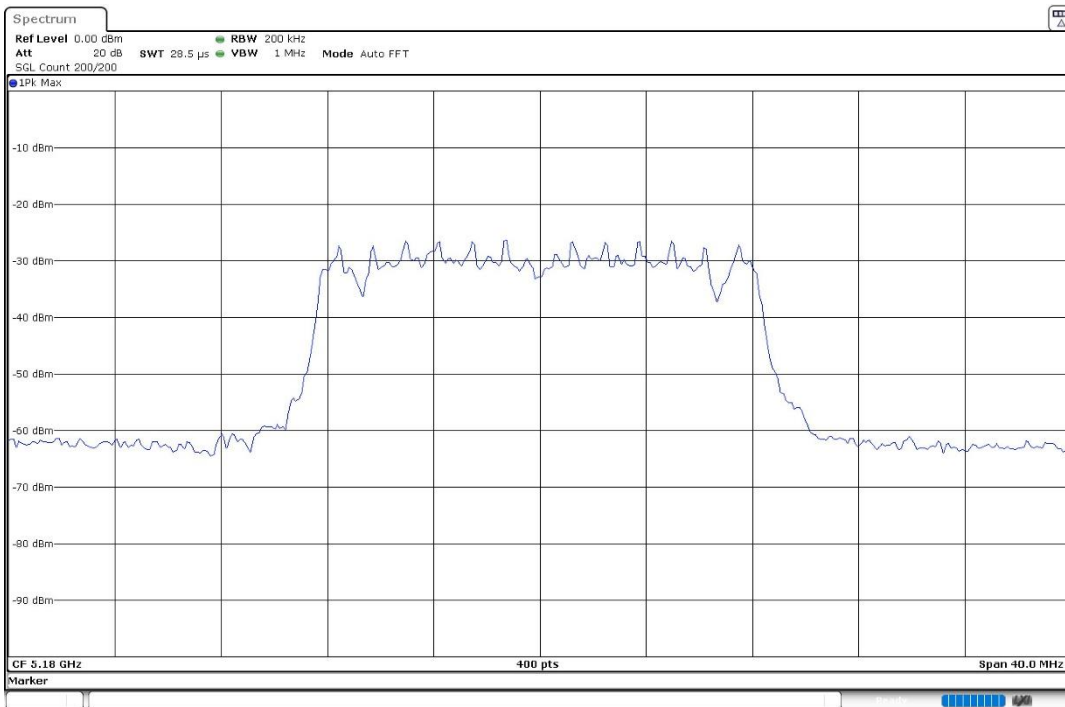
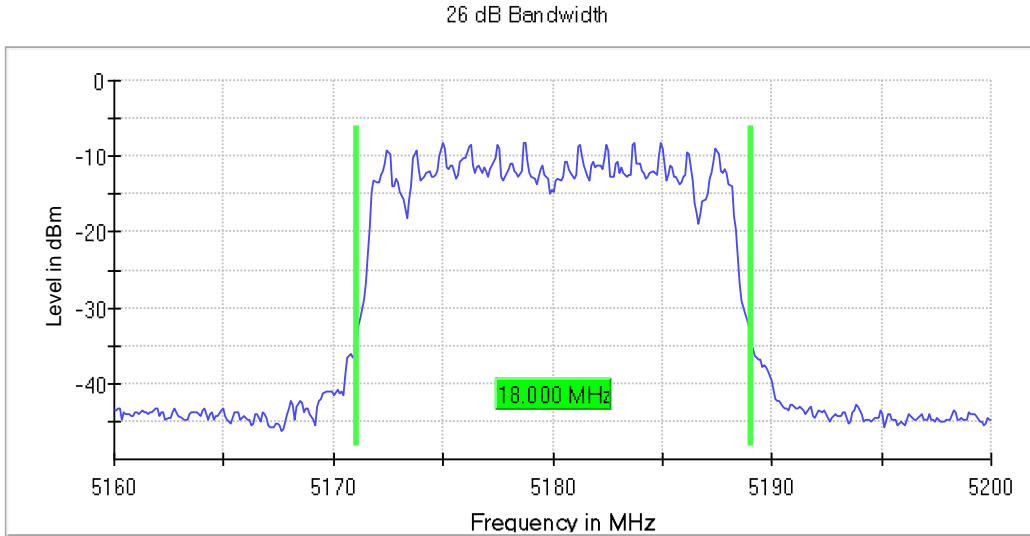
26 dB Bandwidth



SISO 802.11 ac20 (VHT20):

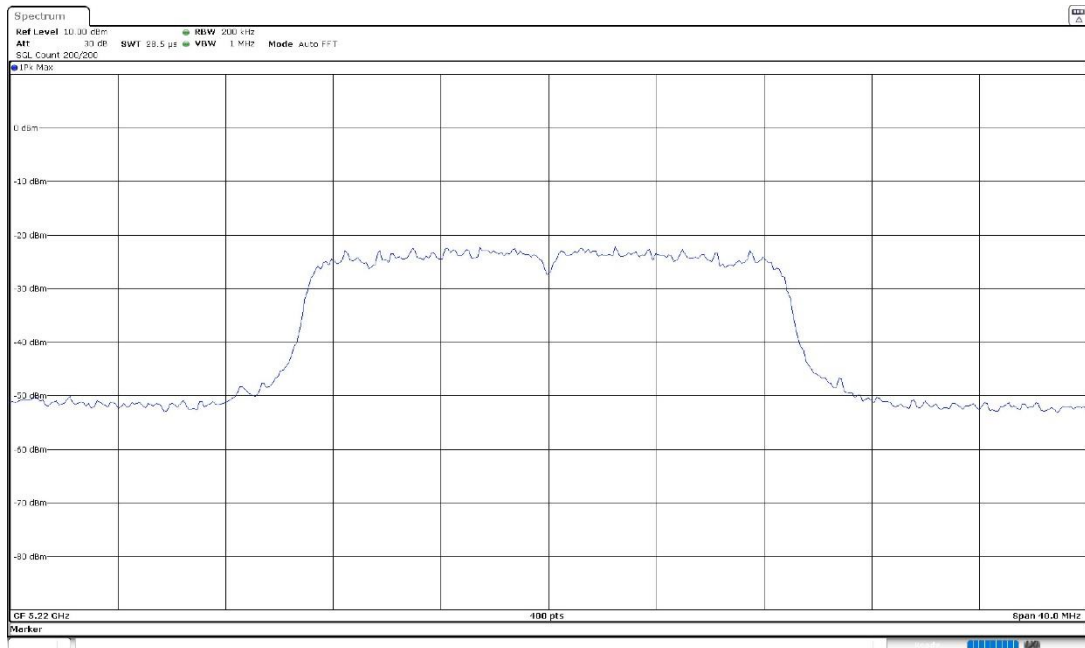
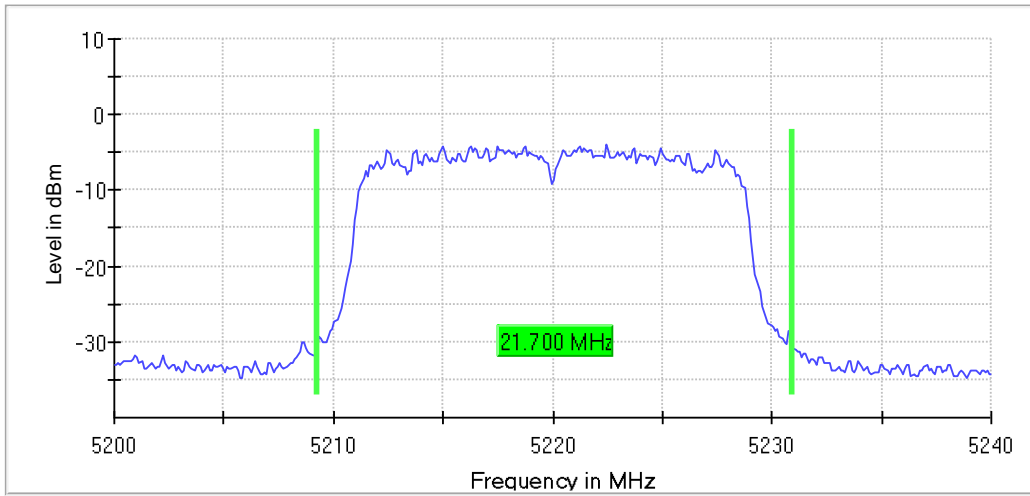
U-NII-1 (5150-5250 MHz)

- Low Channel 36 (5180 MHz):



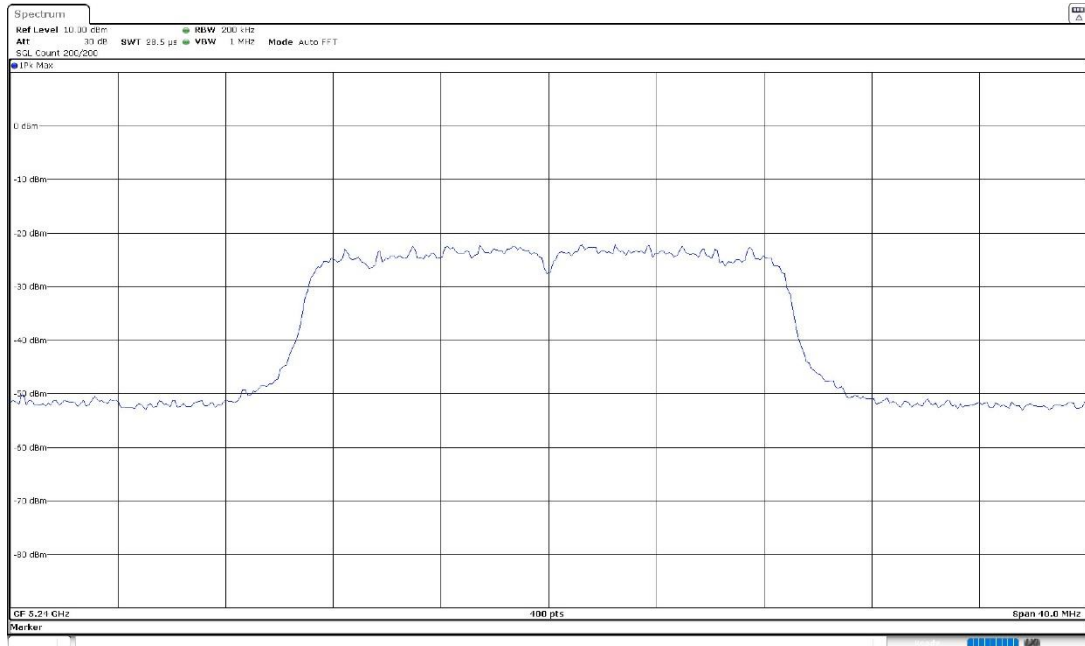
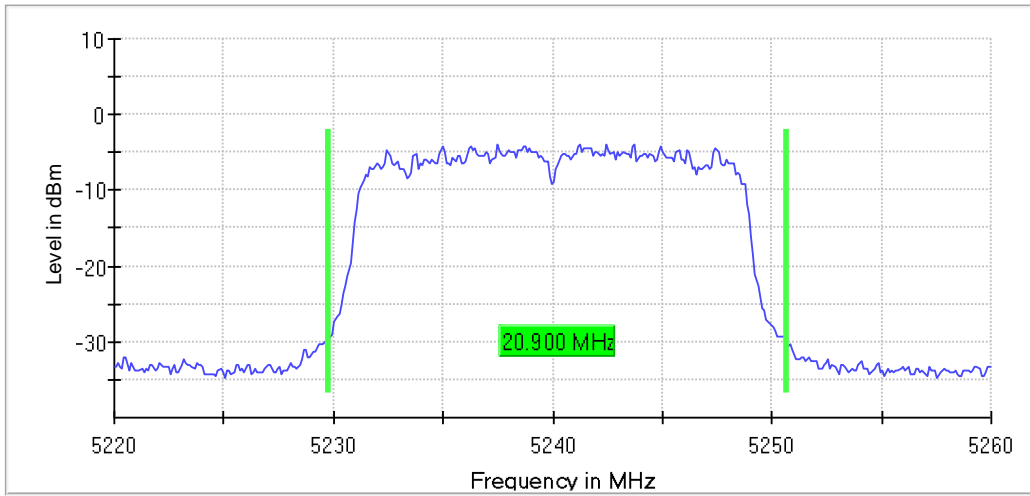
- Channel 44 (5220 MHz):

26 dB Bandwidth



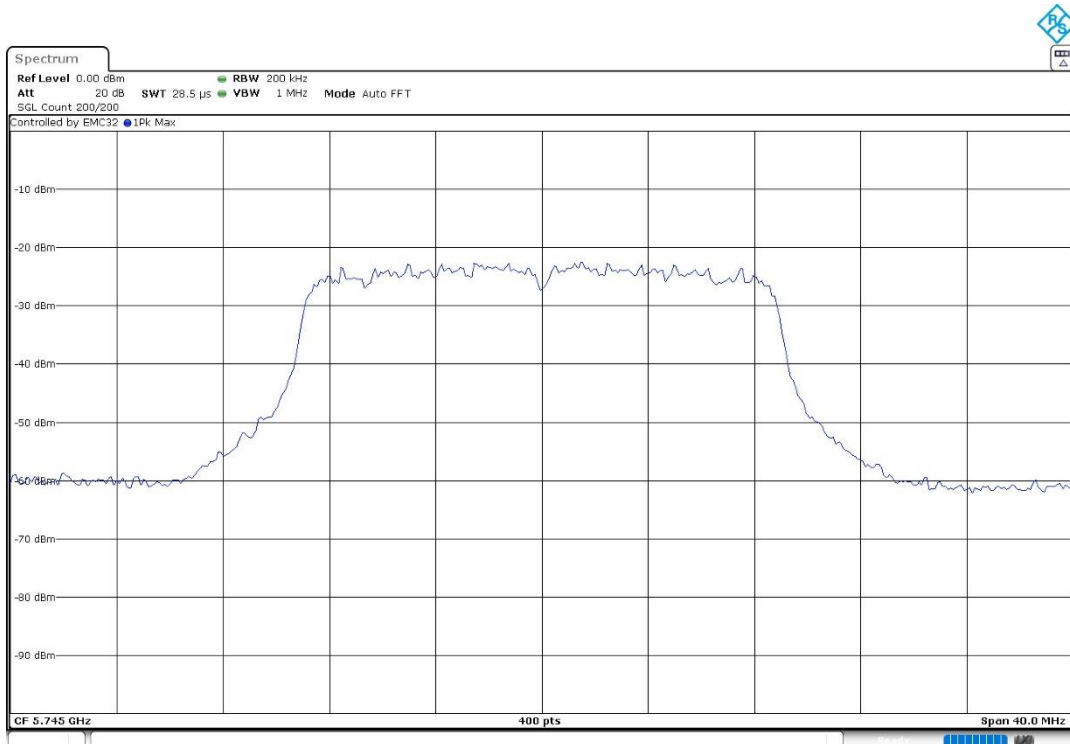
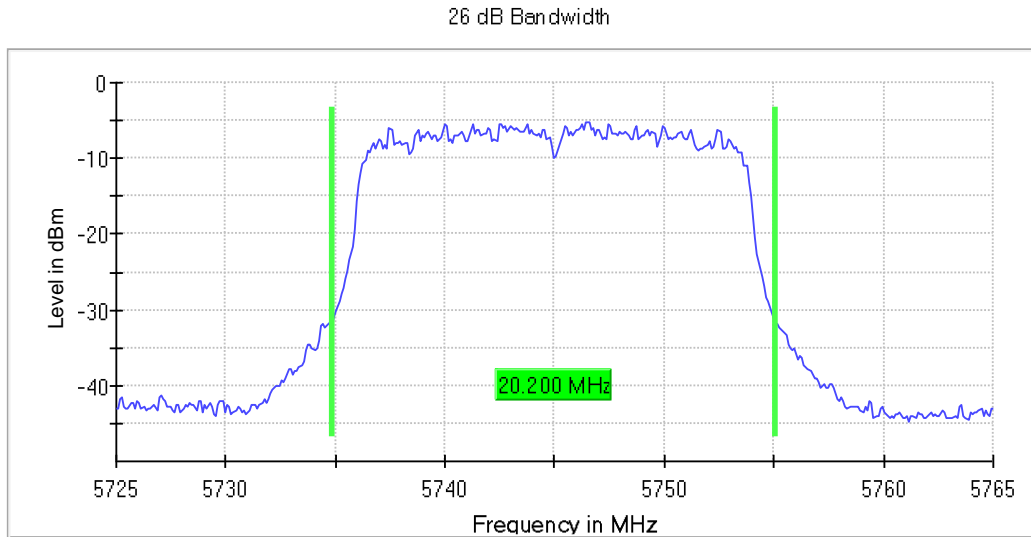
- High Channel 48 (5240 MHz):

26 dB Bandwidth

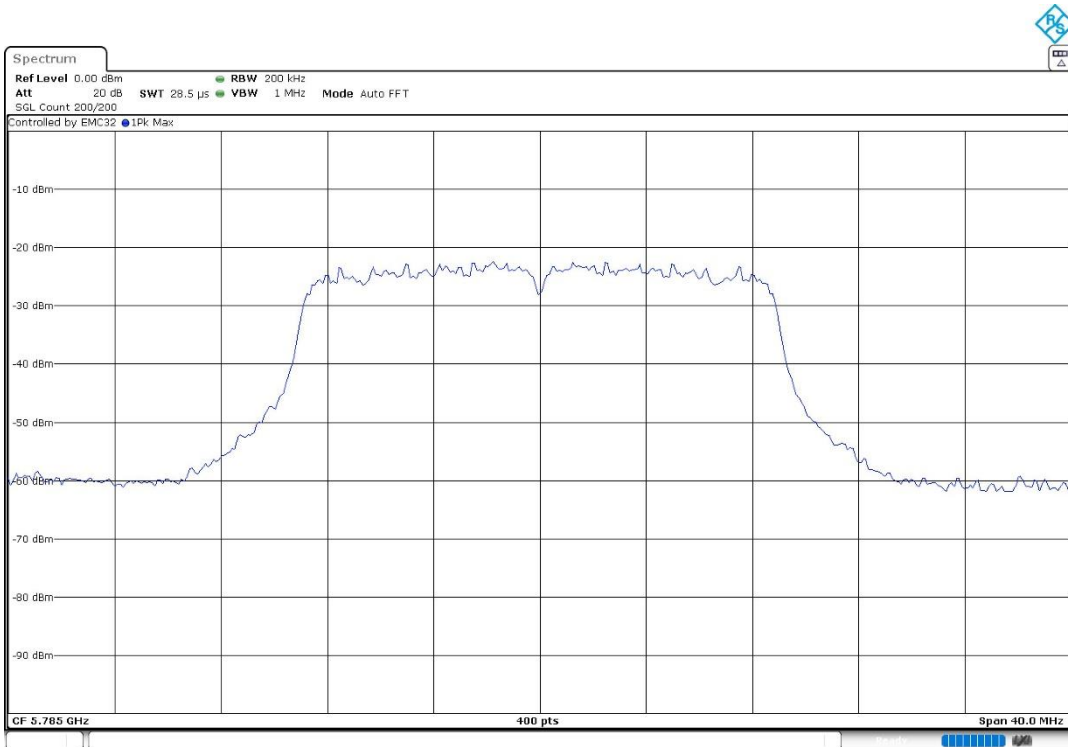
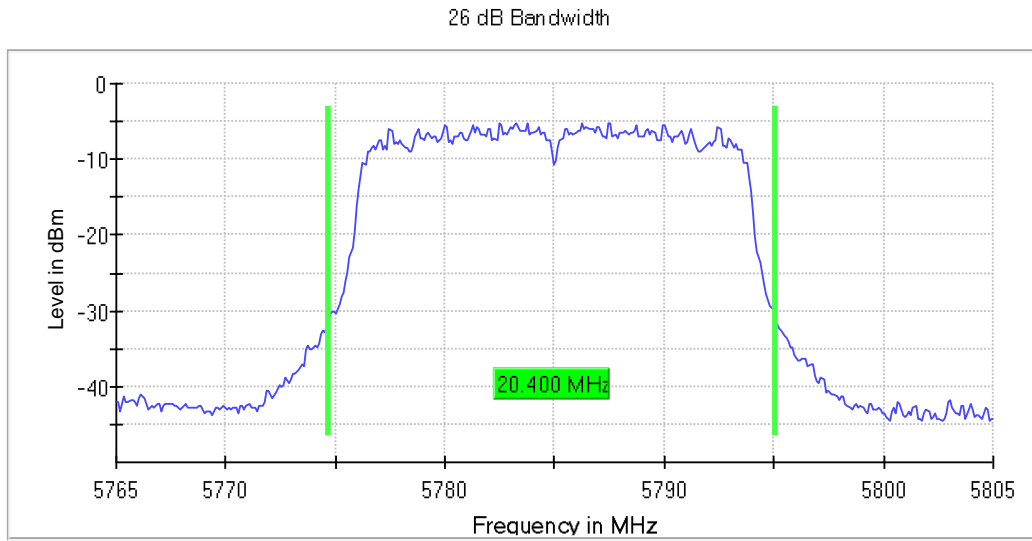


U-NII-3 (5725-5850 MHz)

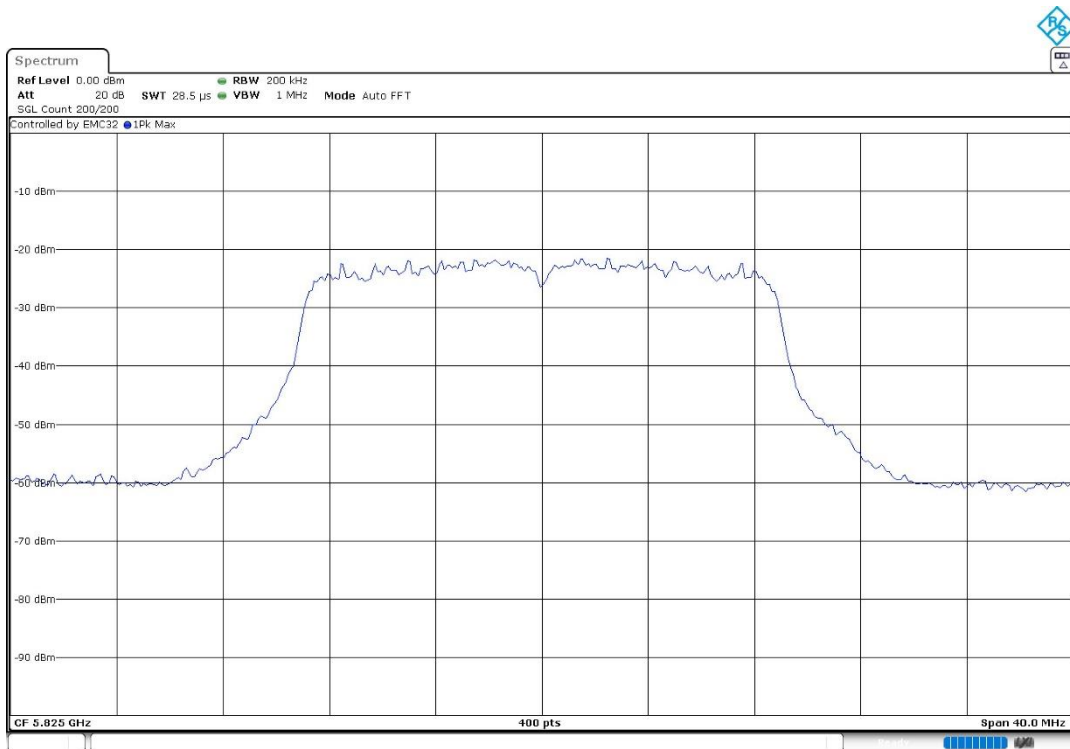
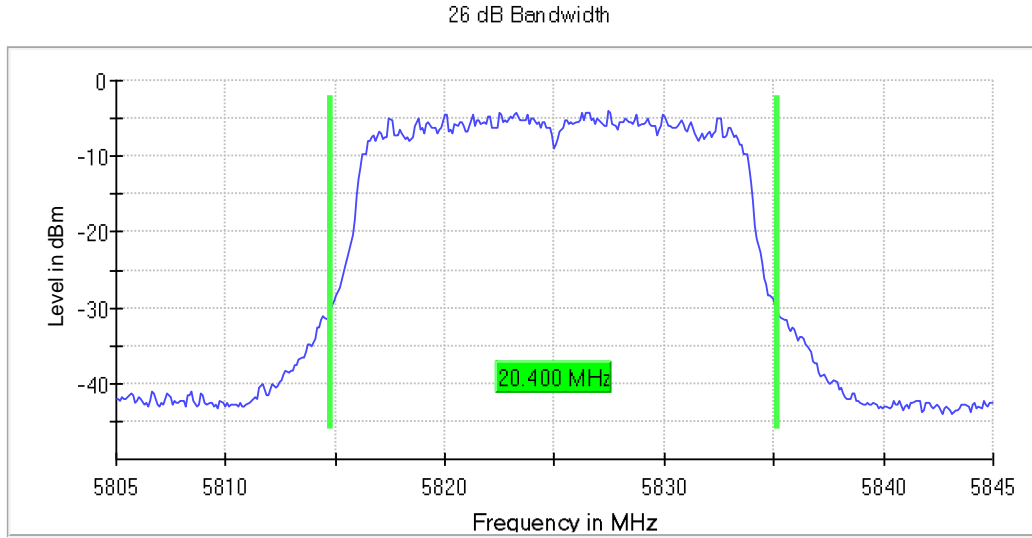
- Low Channel 149 (5745 MHz):



- Middle Channel 157 (5785 MHz):



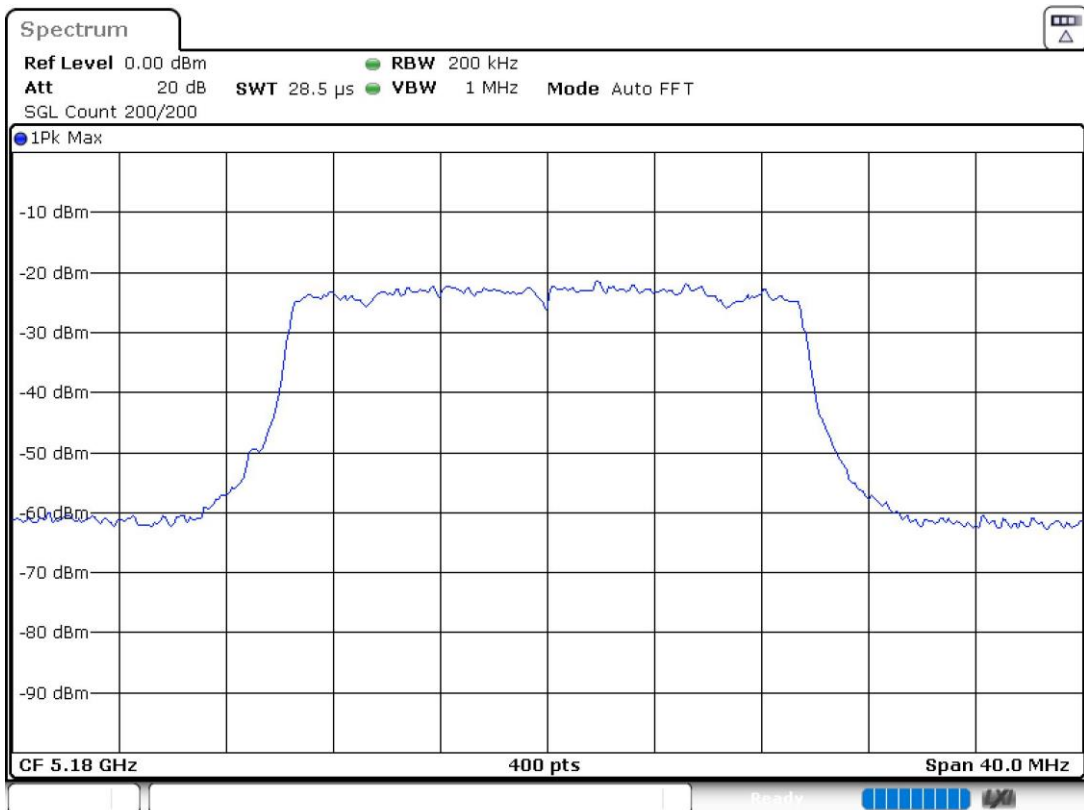
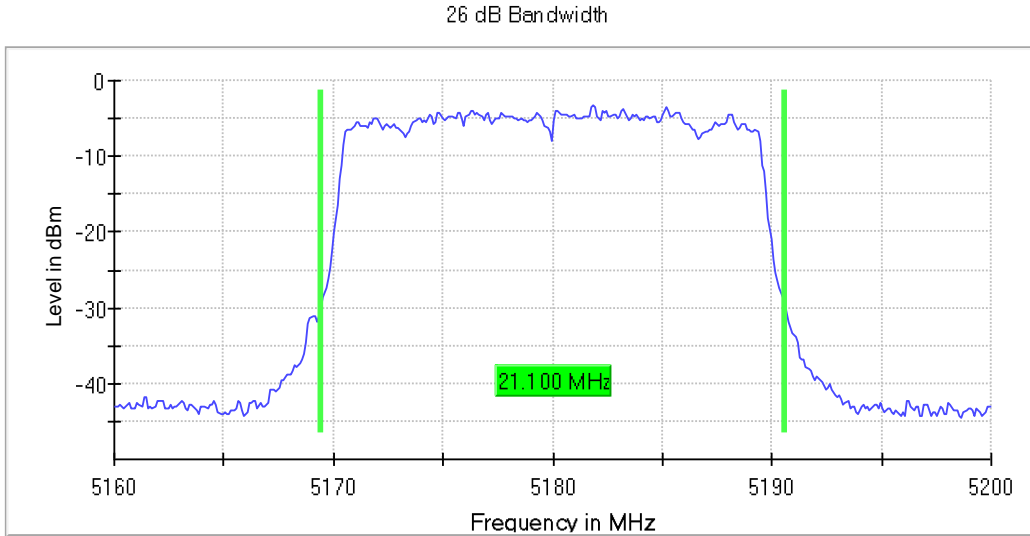
- High Channel 165 (5825 MHz):



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

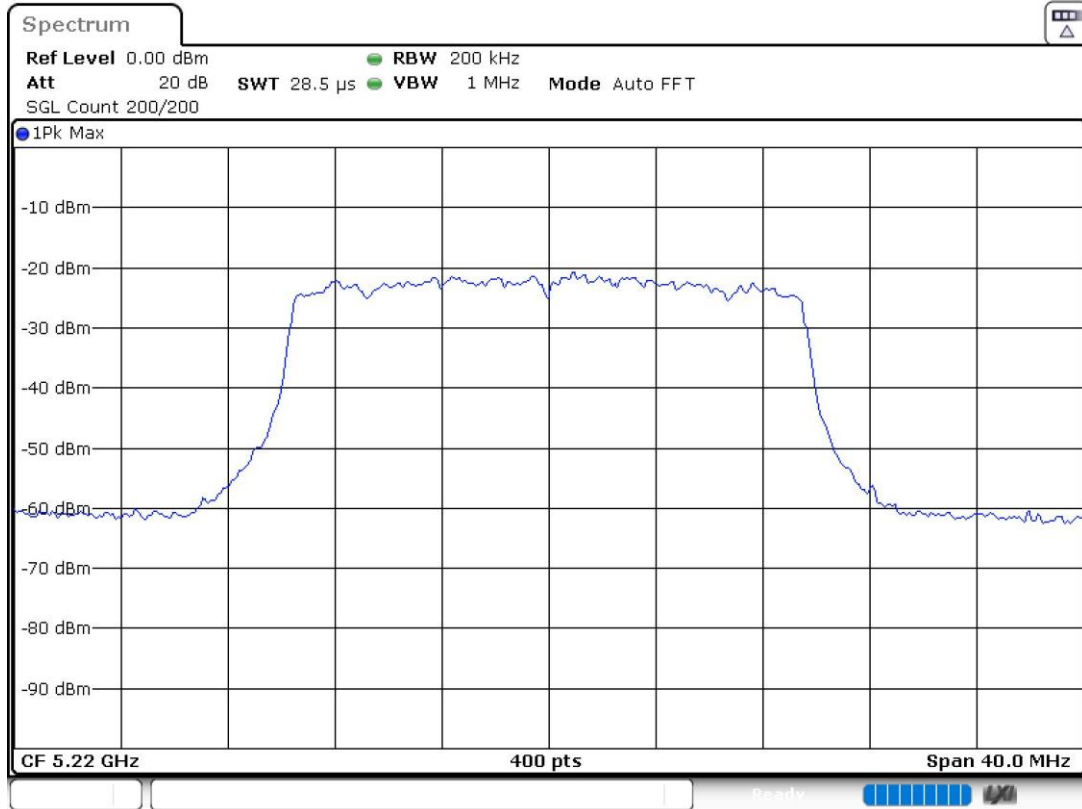
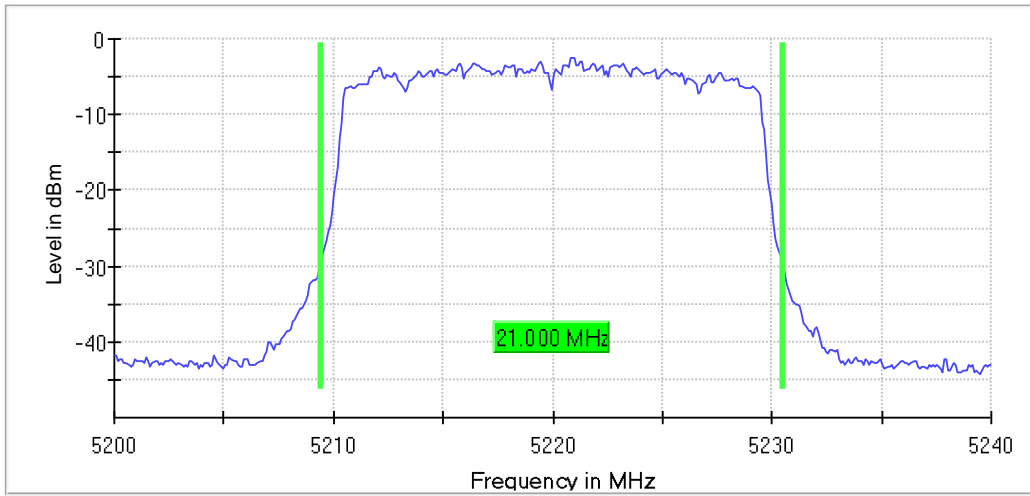
U-NII-1 (5150-5250 MHz)

- Low Channel 36 (5180 MHz):



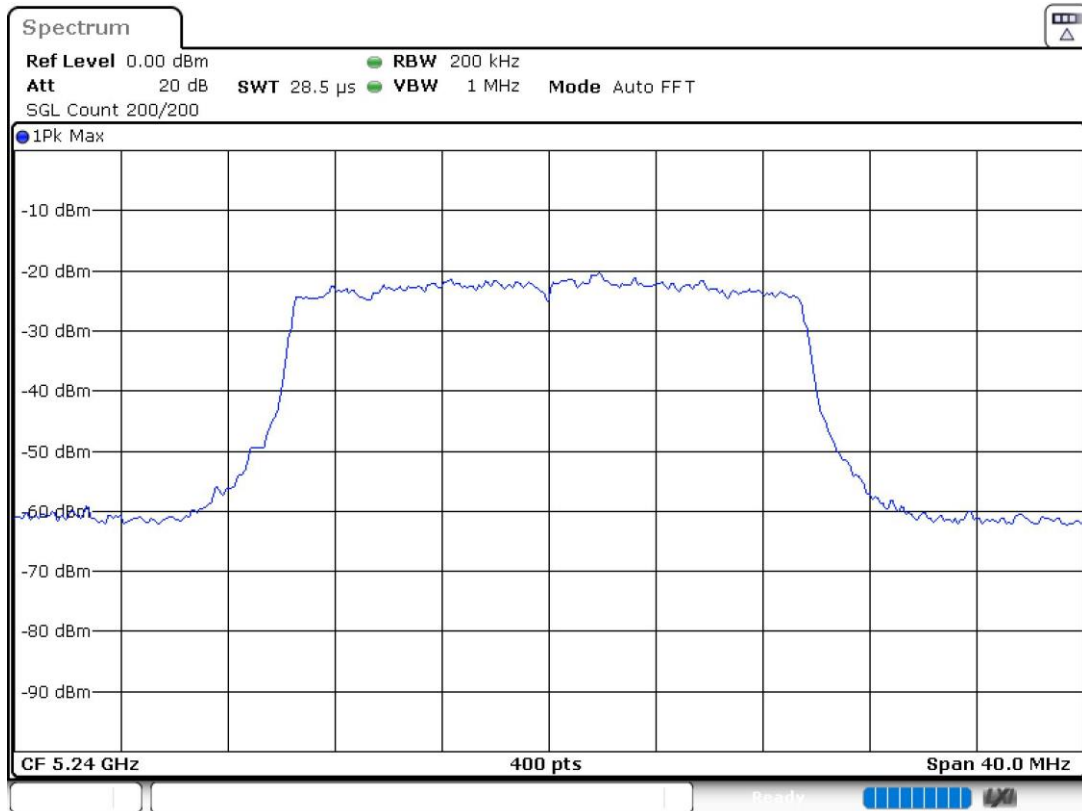
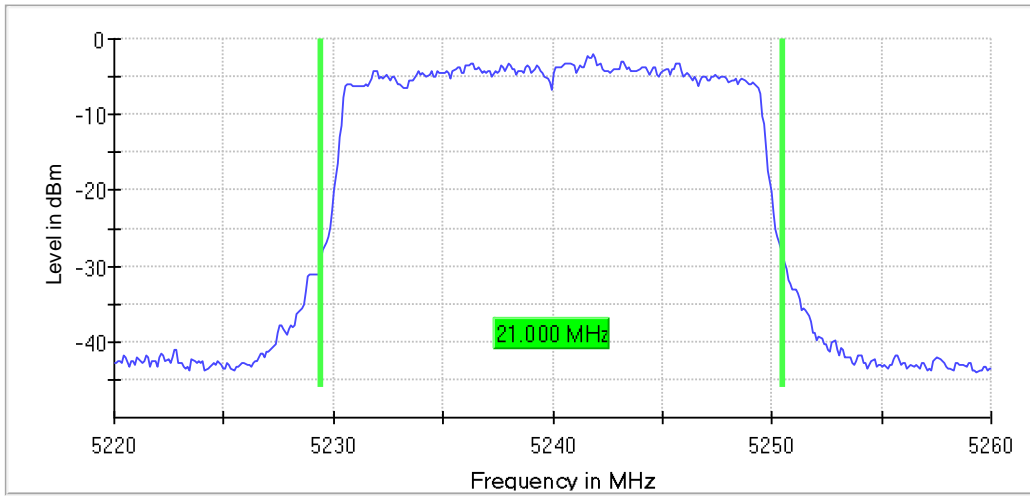
- Channel 44 (5220 MHz):

26 dB Bandwidth



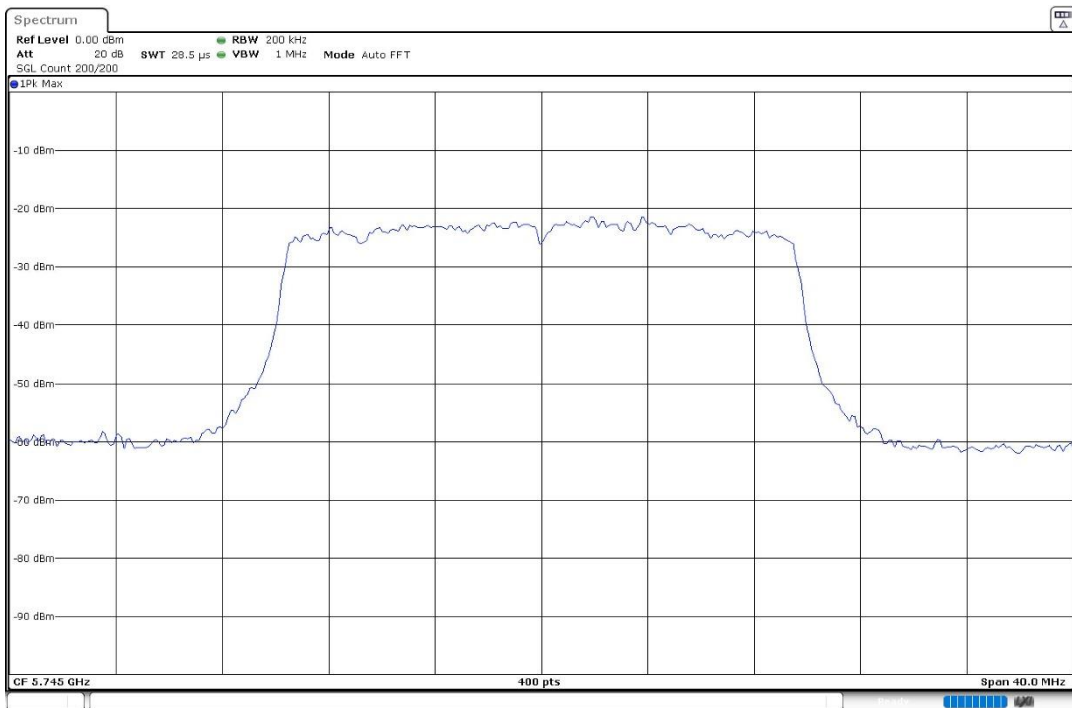
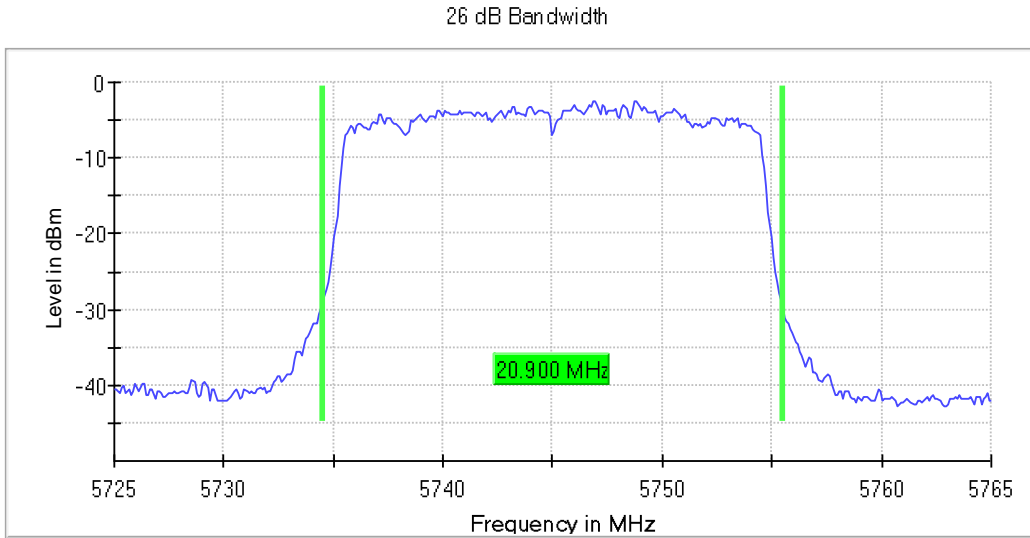
- High Channel 48 (5240 MHz):

26 dB Bandwidth



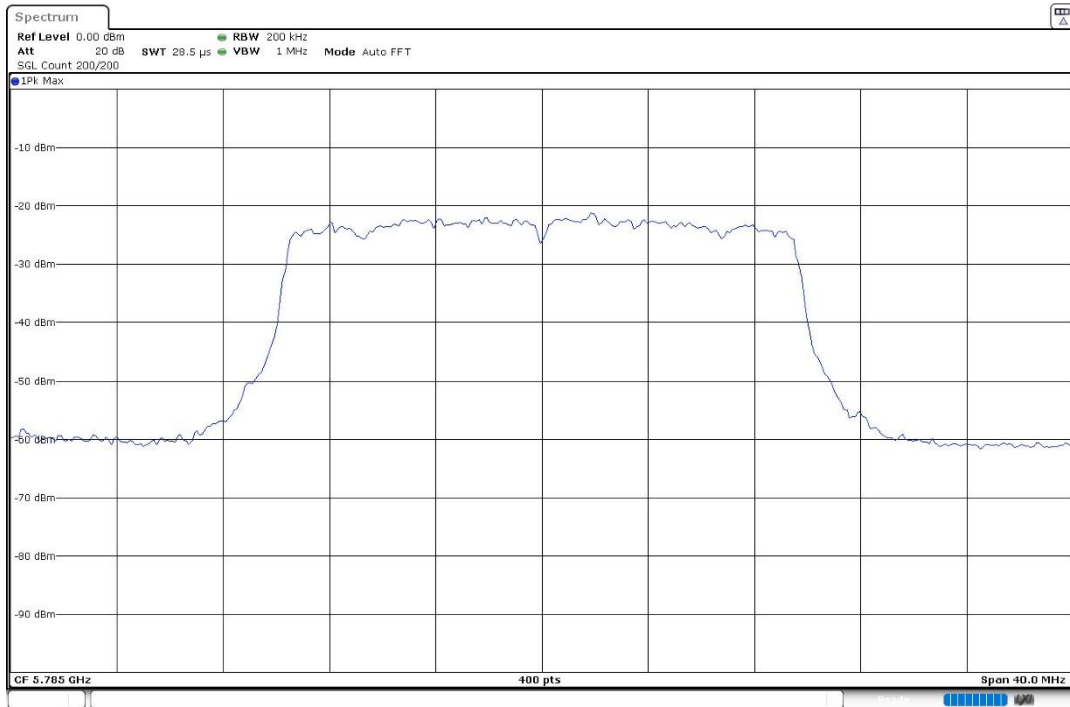
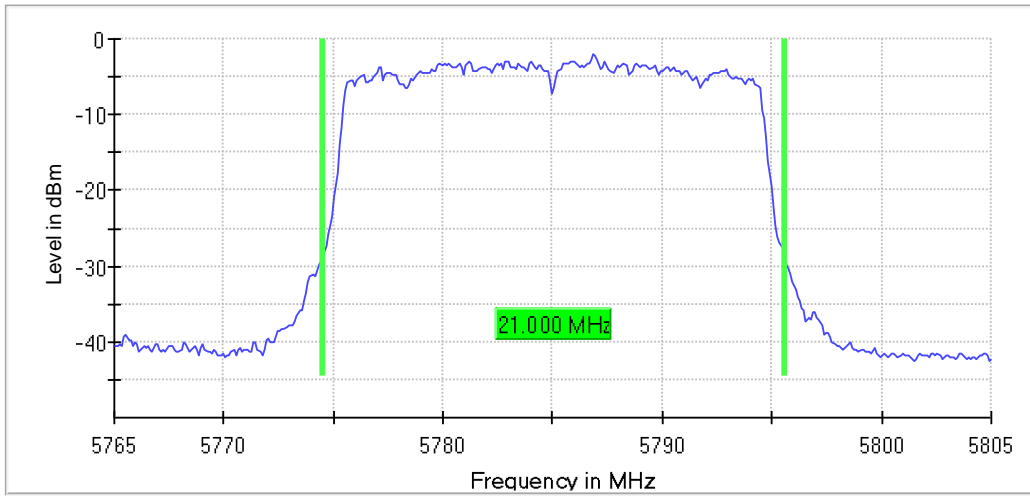
U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):



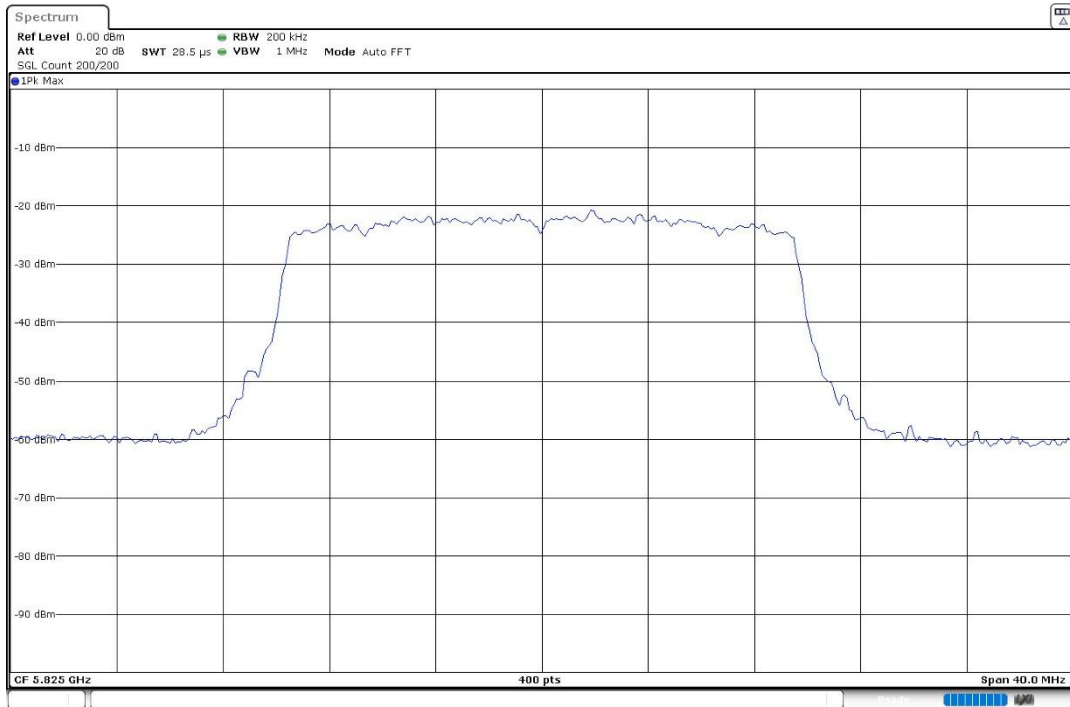
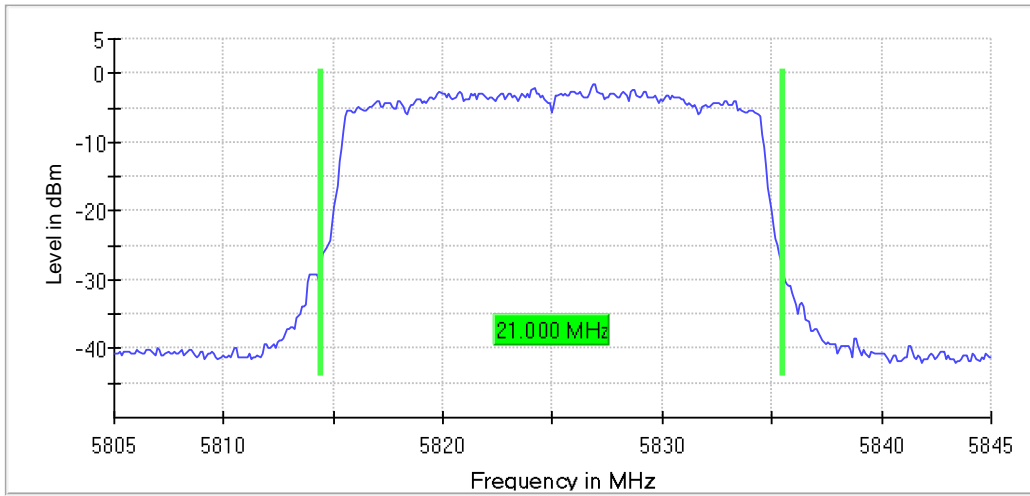
- Middle Channel 157 (5785 MHz):

26 dB Bandwidth



- High Channel 165 (5825 MHz):

26 dB Bandwidth

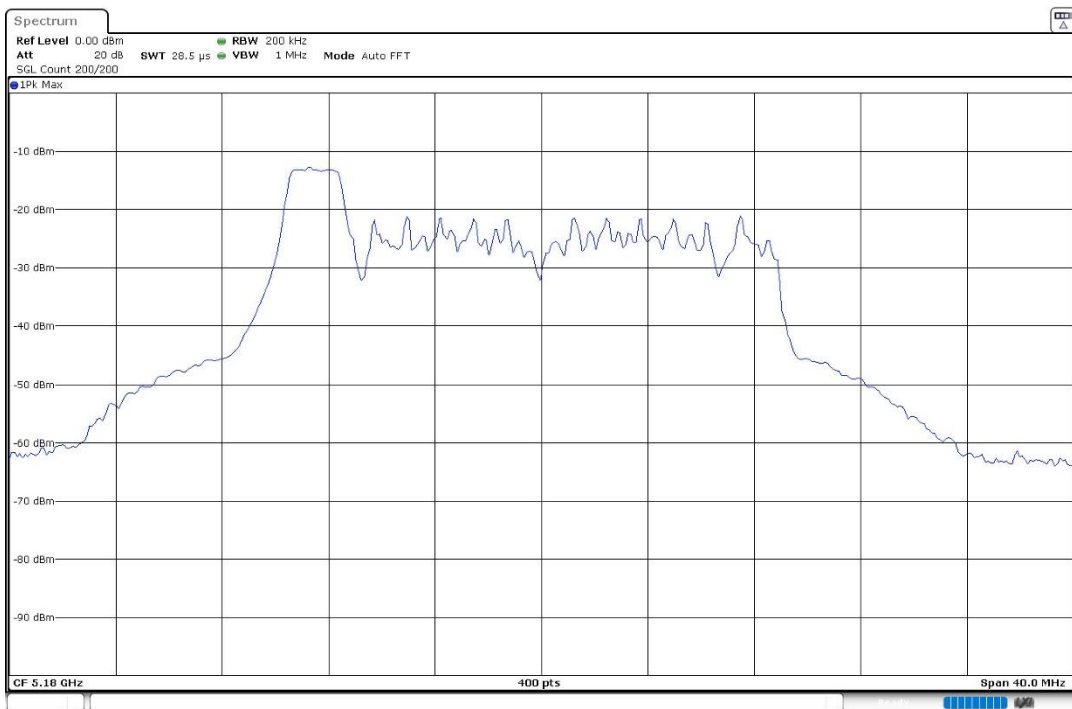
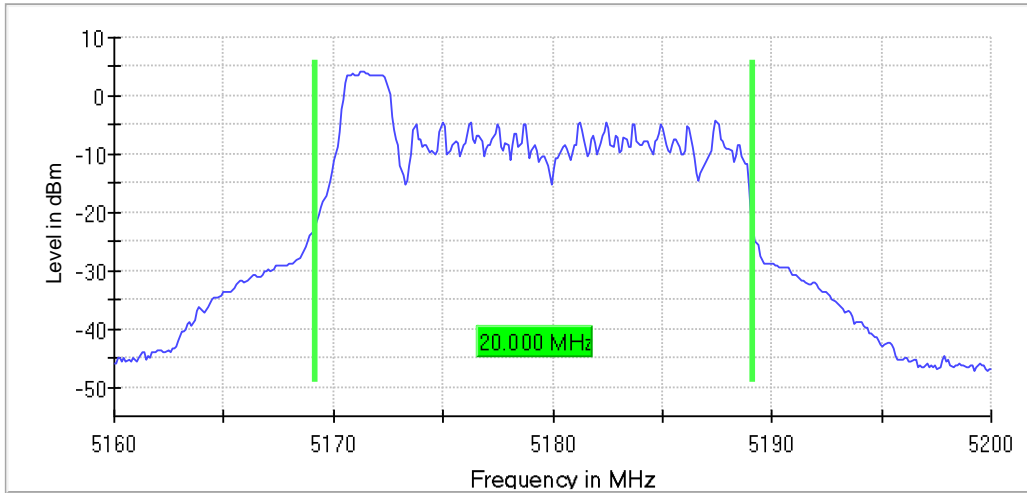


SISO 802.11 ax20 (HE20) – RU Subcarrier allocation (RU26):

U-NII-1 (5150-5250 MHz)

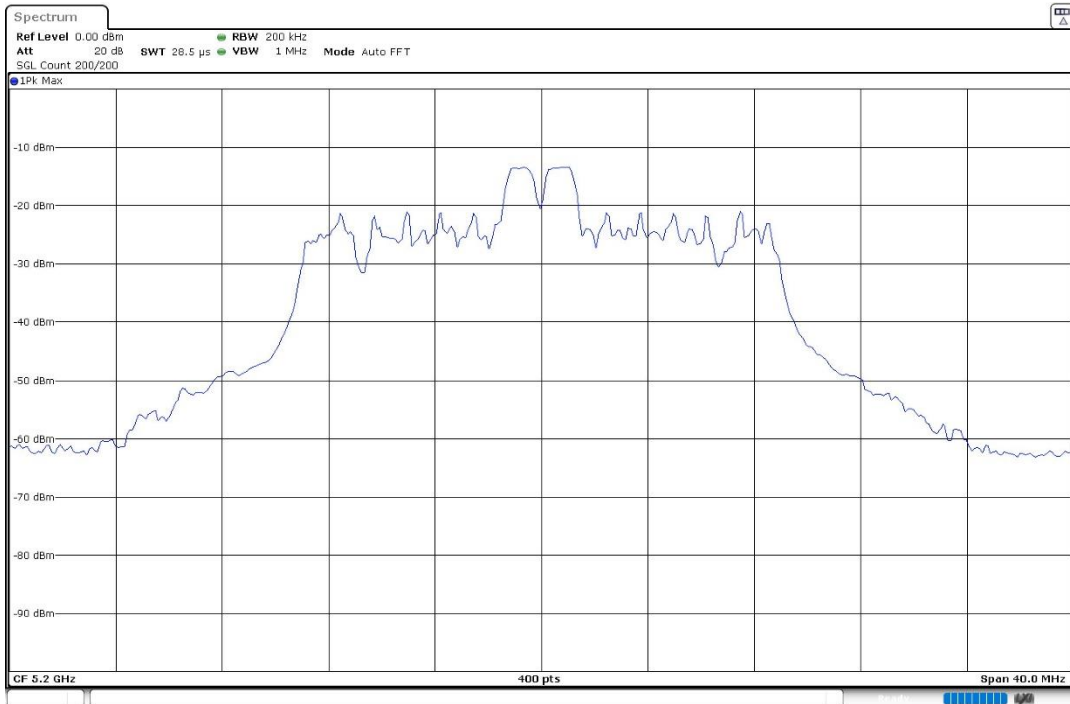
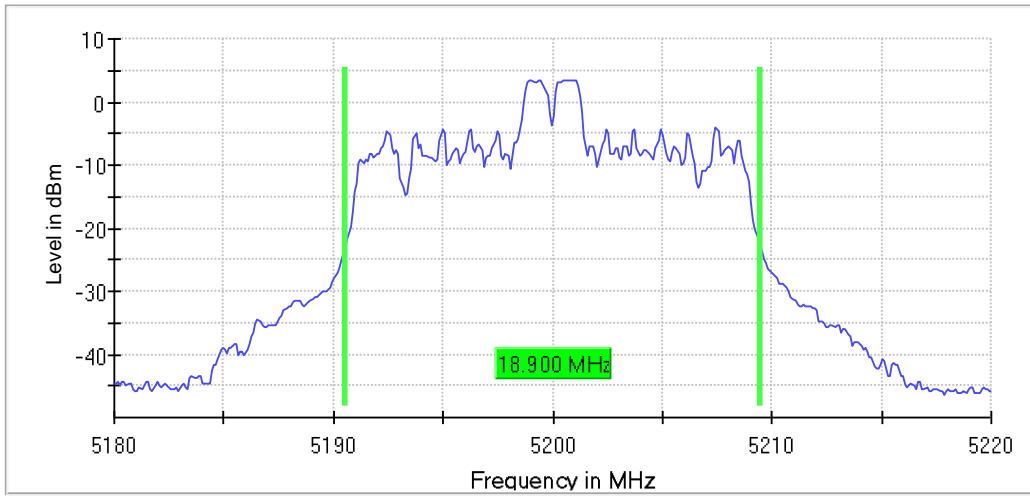
- Low Channel 36 (5180 MHz) / RU26 Offset 0:

26 dB Bandwidth



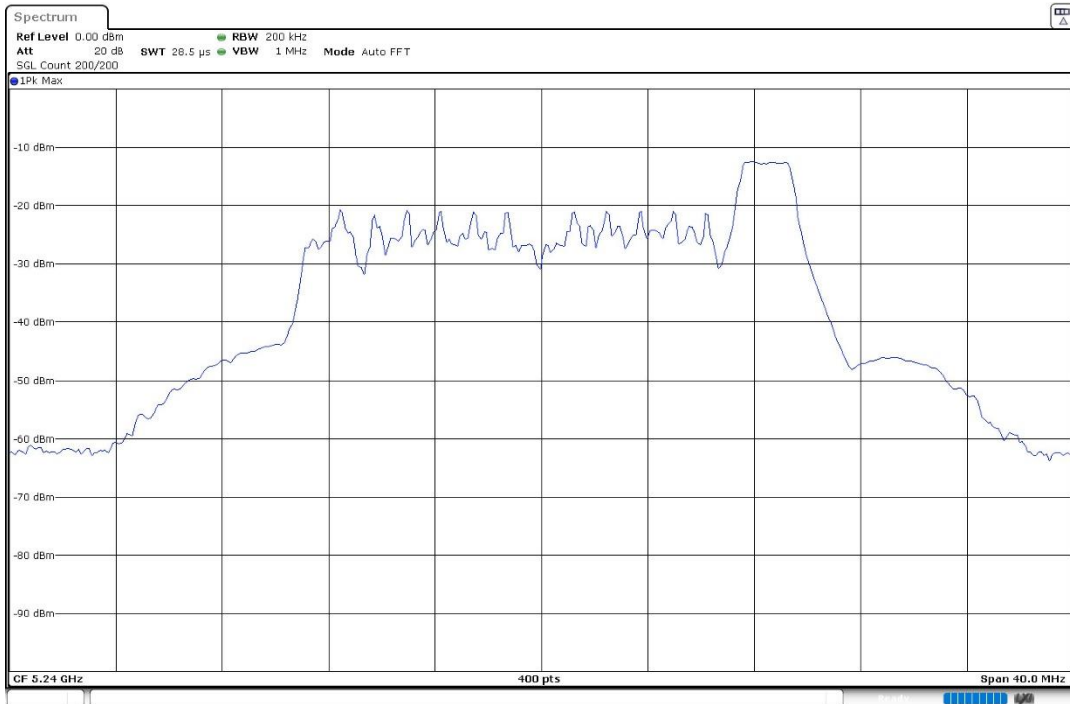
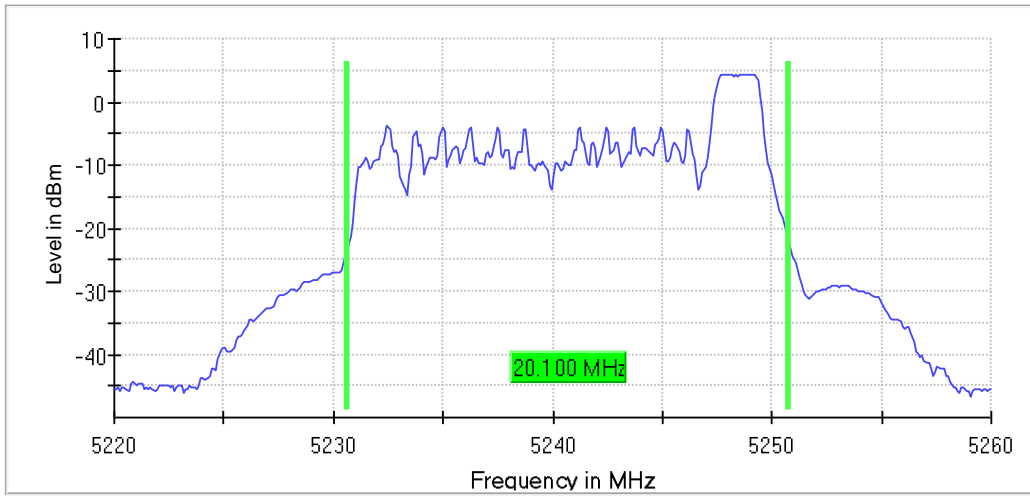
- Channel 40 (5200 MHz) / RU26 Offset 4:

26 dB Bandwidth



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

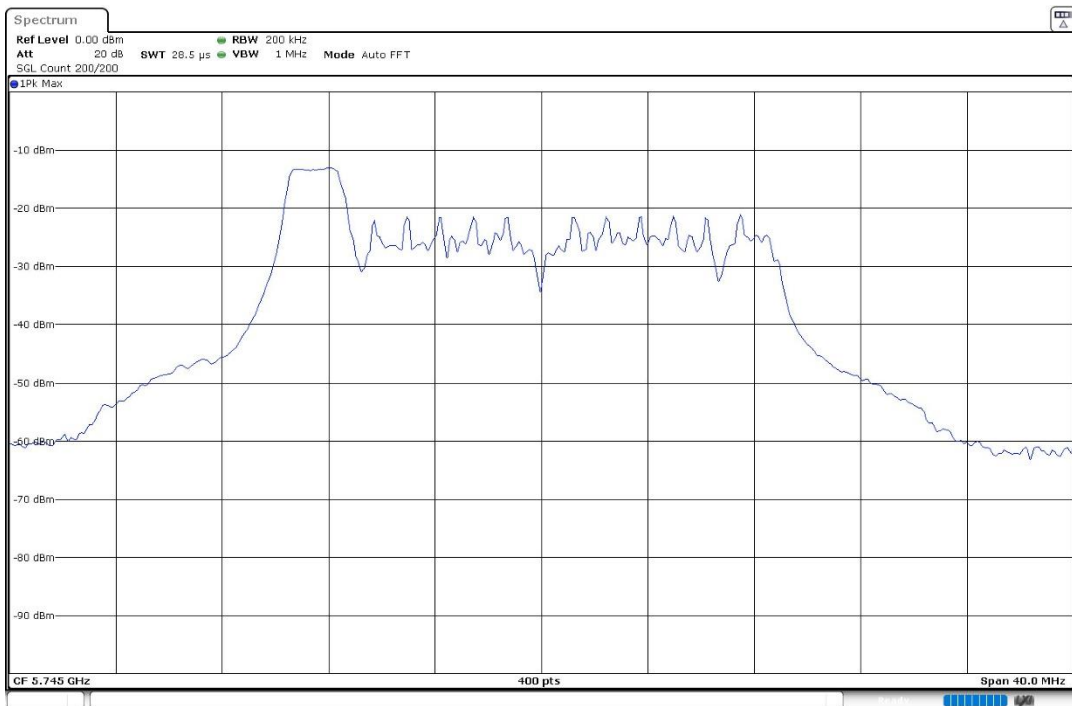
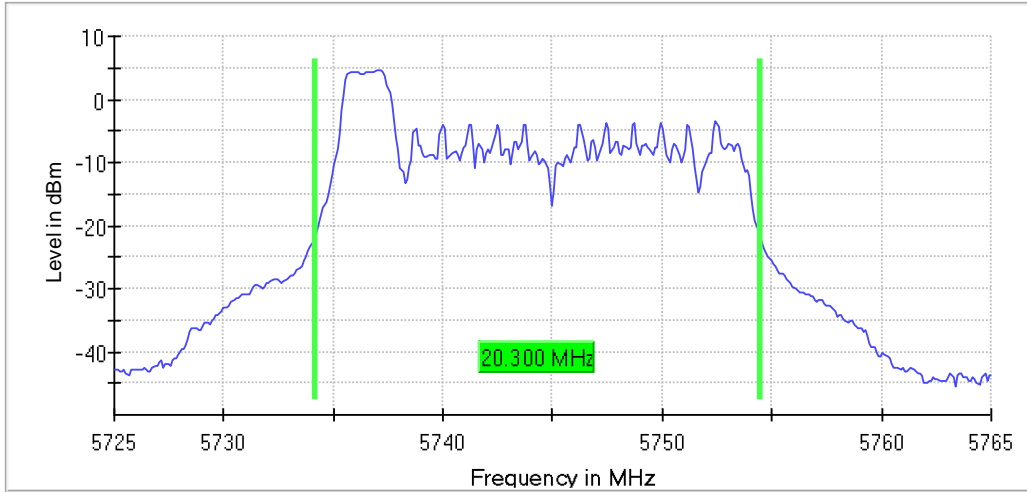
26 dB Bandwidth



U-NII-3 (5725-5850 MHz)

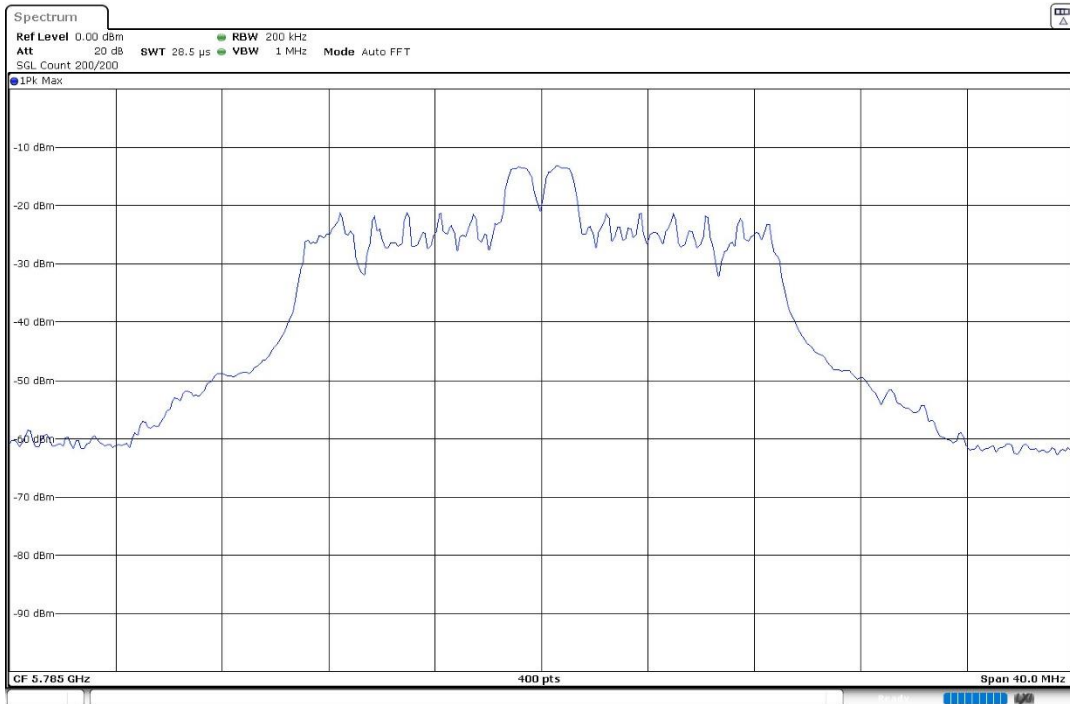
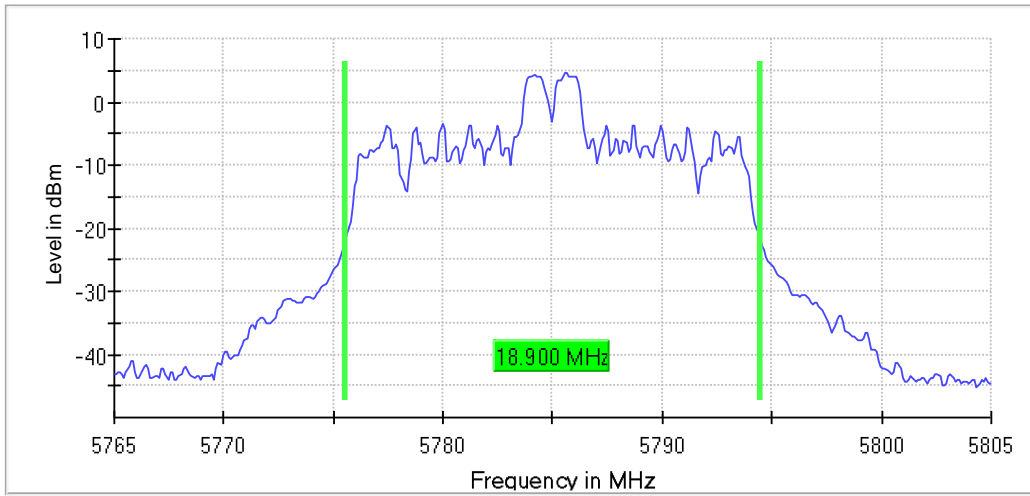
- Low Channel 149 (5745 MHz) / RU26 Offset 0:

26 dB Bandwidth



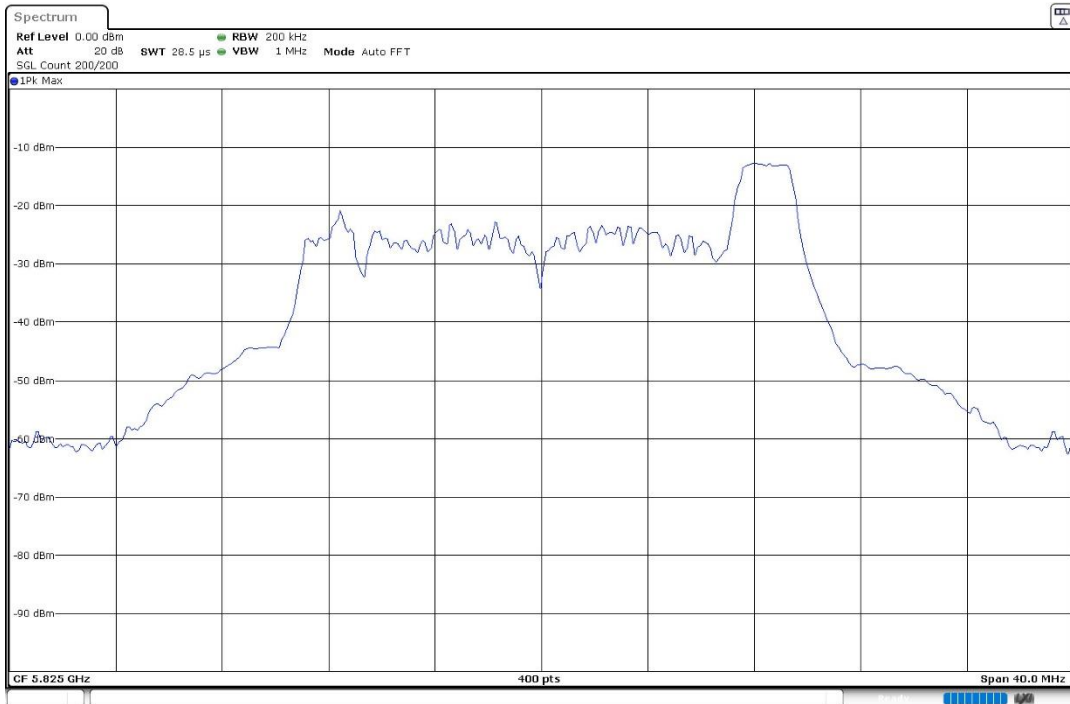
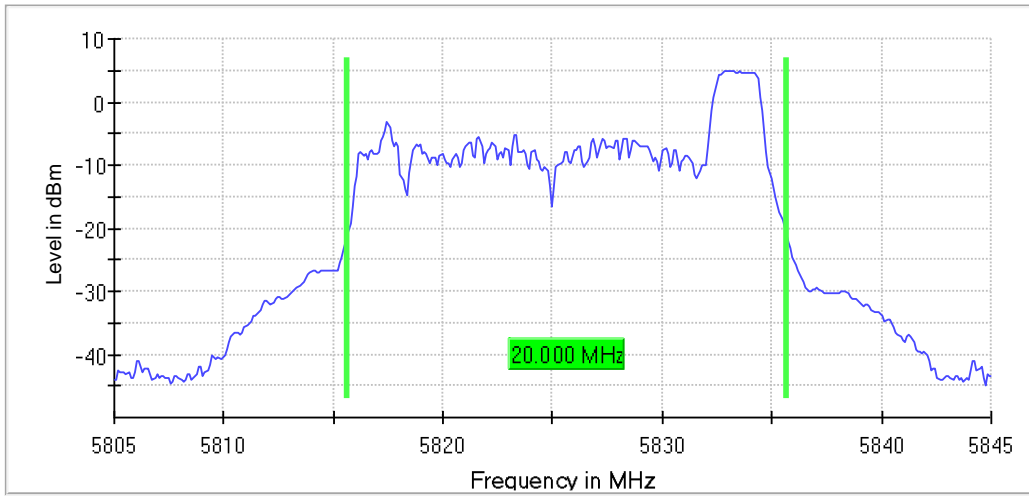
- Middle Channel 157 (5785 MHz) / RU26 Offset 4:

26 dB Bandwidth



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

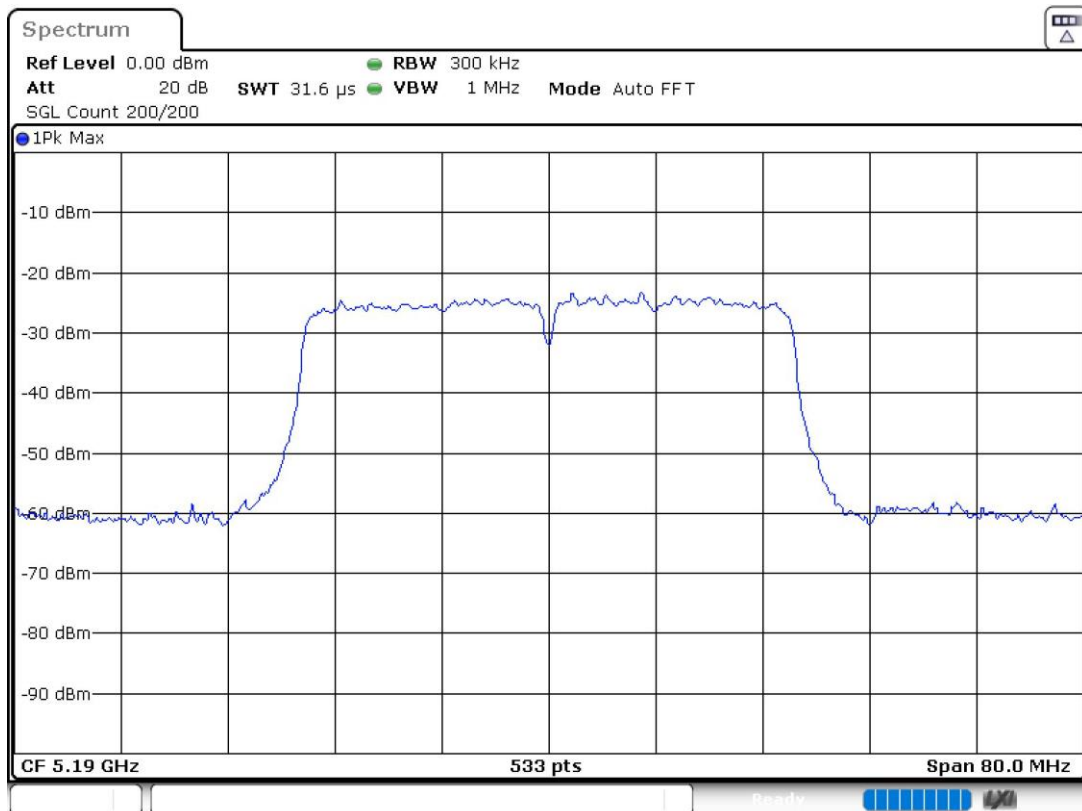
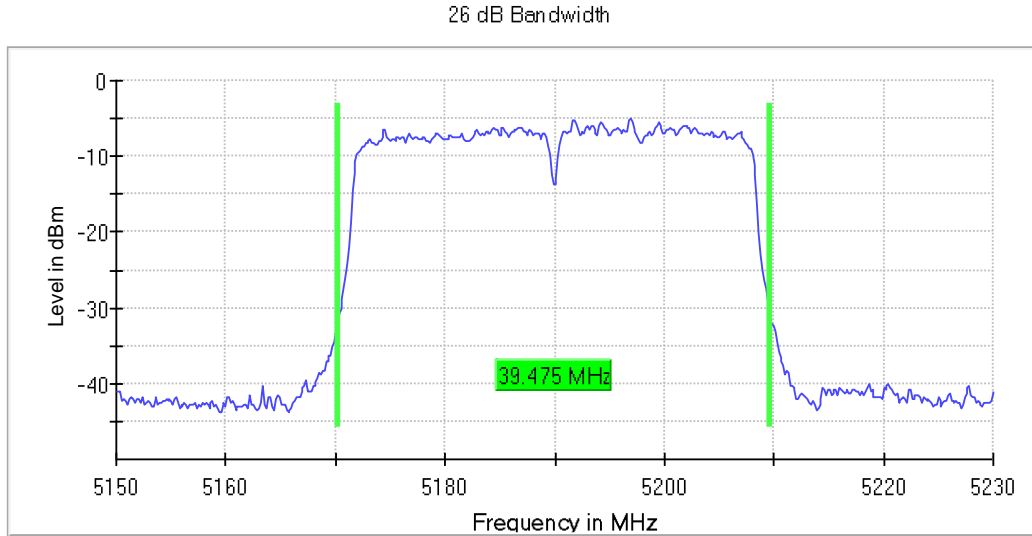
26 dB Bandwidth



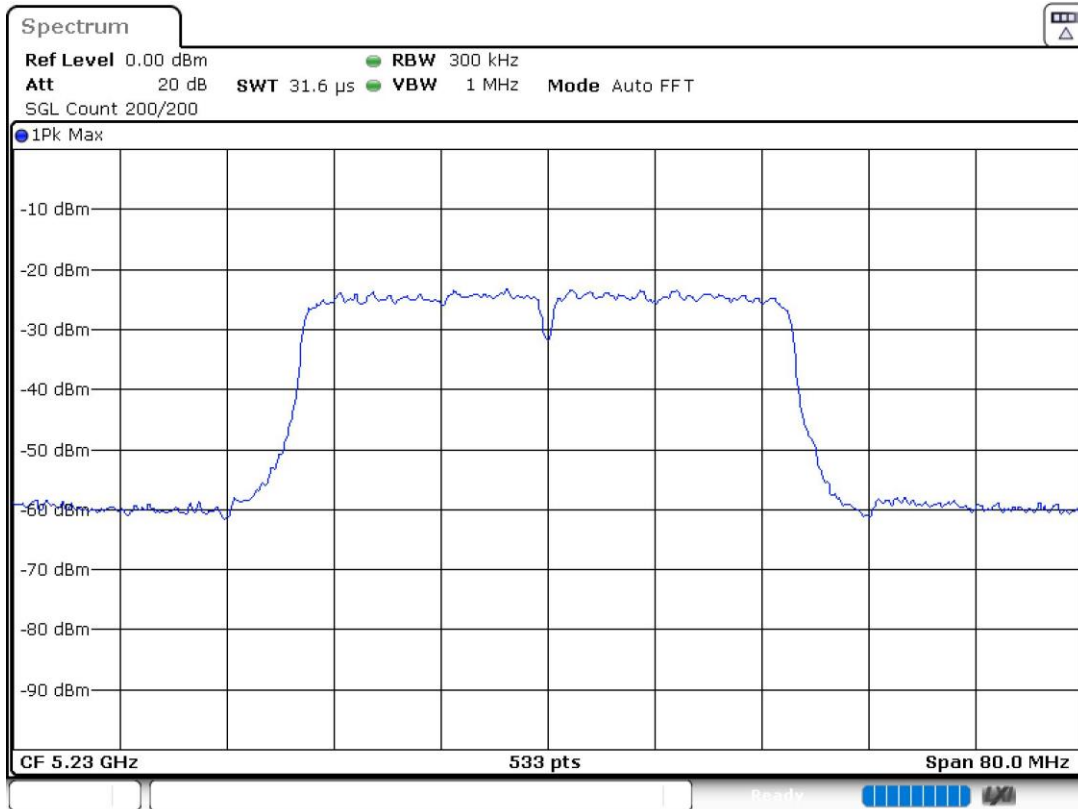
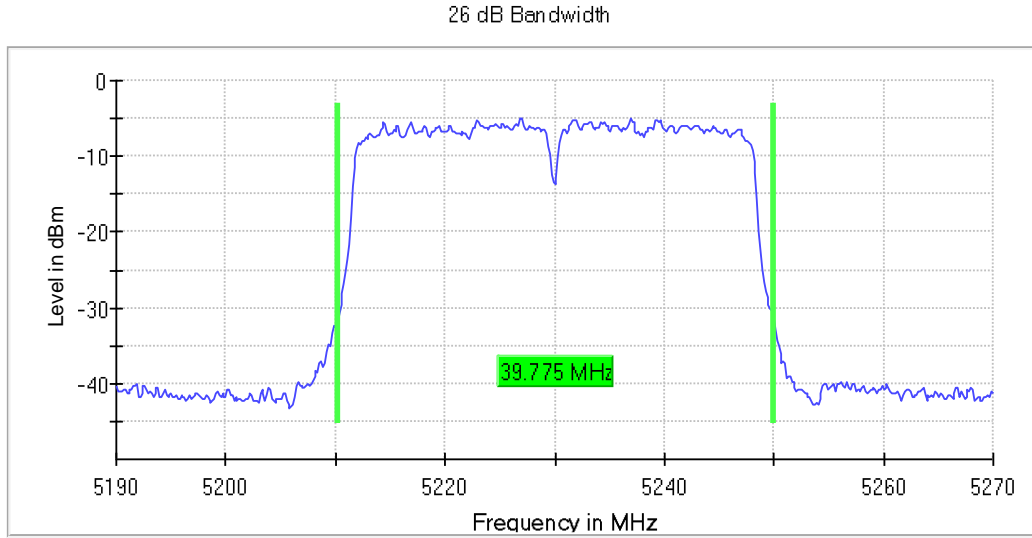
SISO 802.11 n40 (HT40):

U-NII-1 (5150-5250 MHz)

- Low Channel 38 (5190 MHz):



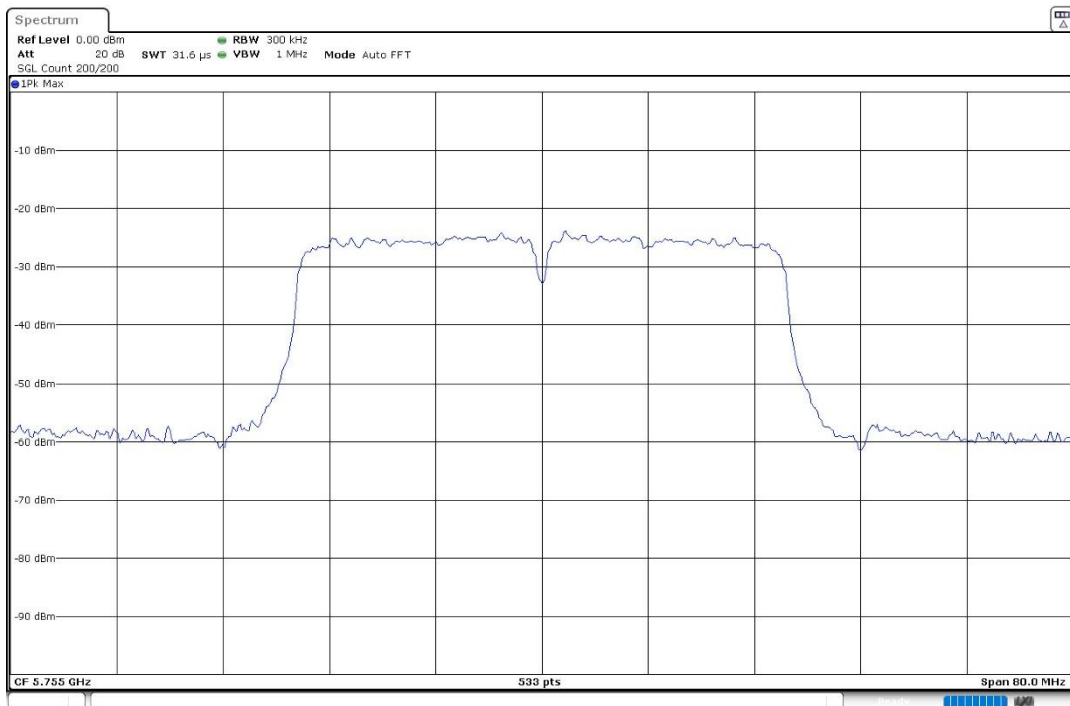
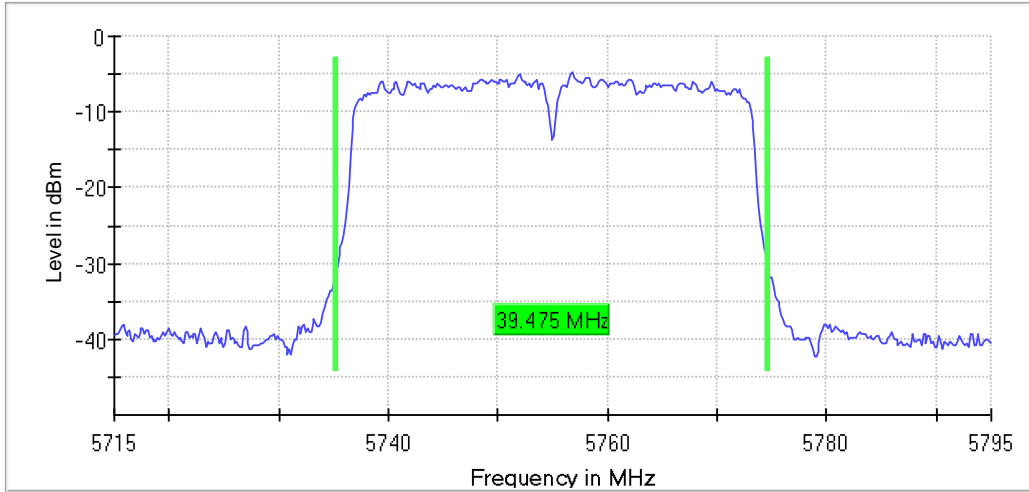
- High Channel 46 (5230 MHz):



U-NII-3 (5725-5850 MHz)

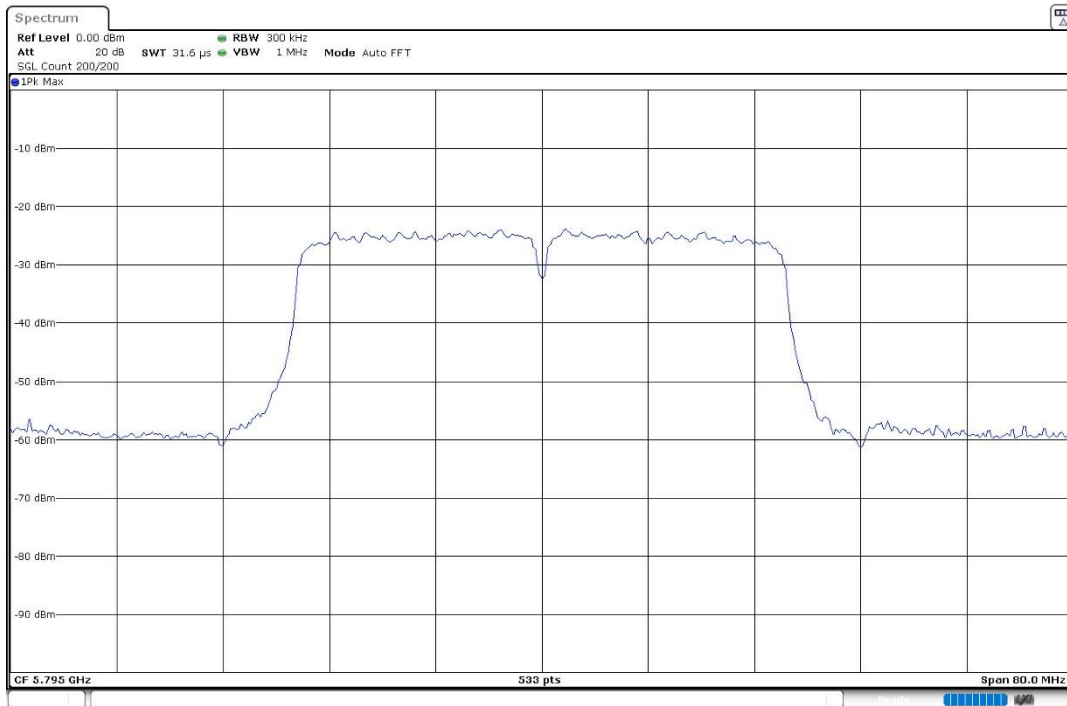
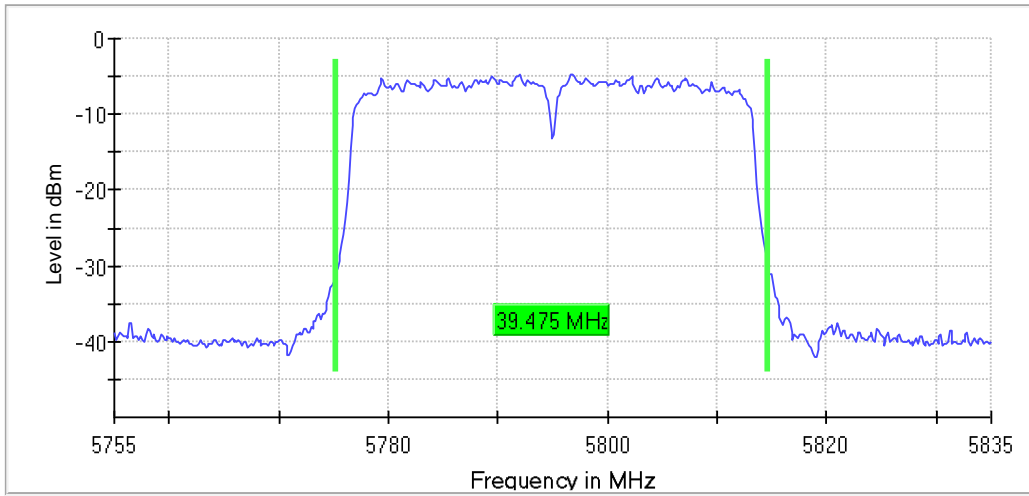
- Low Channel 151 (5755 MHz):

26 dB Bandwidth



- High Channel 159 (5795 MHz):

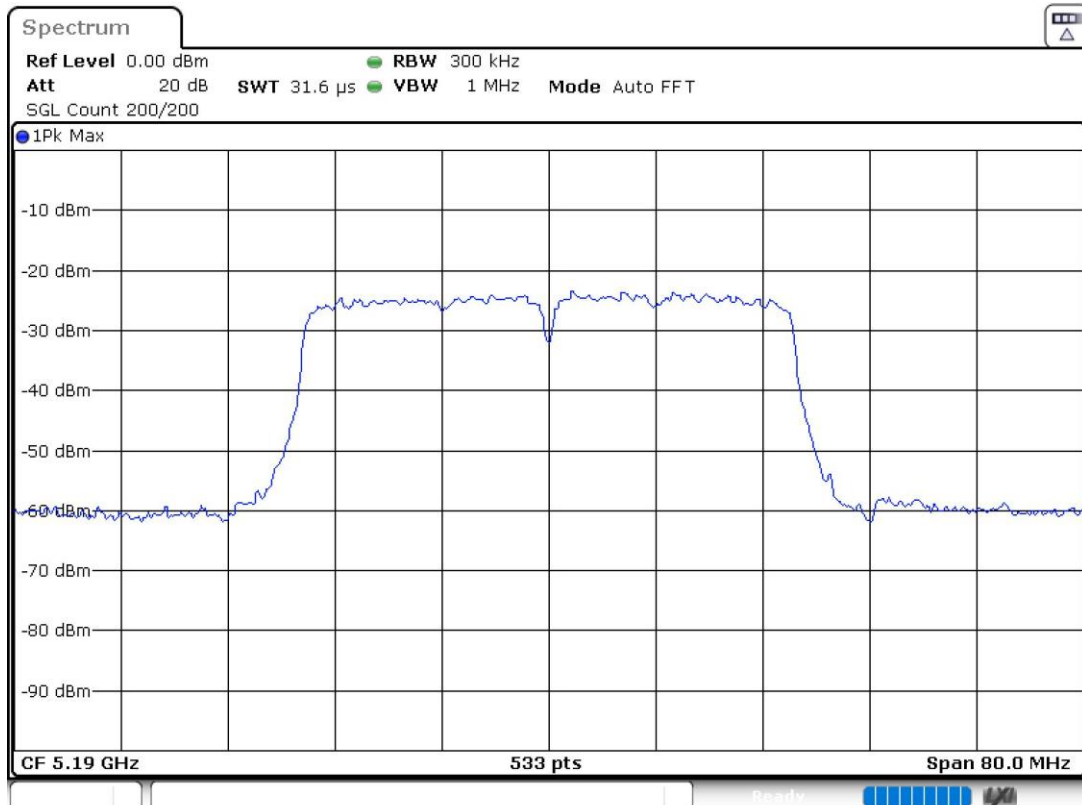
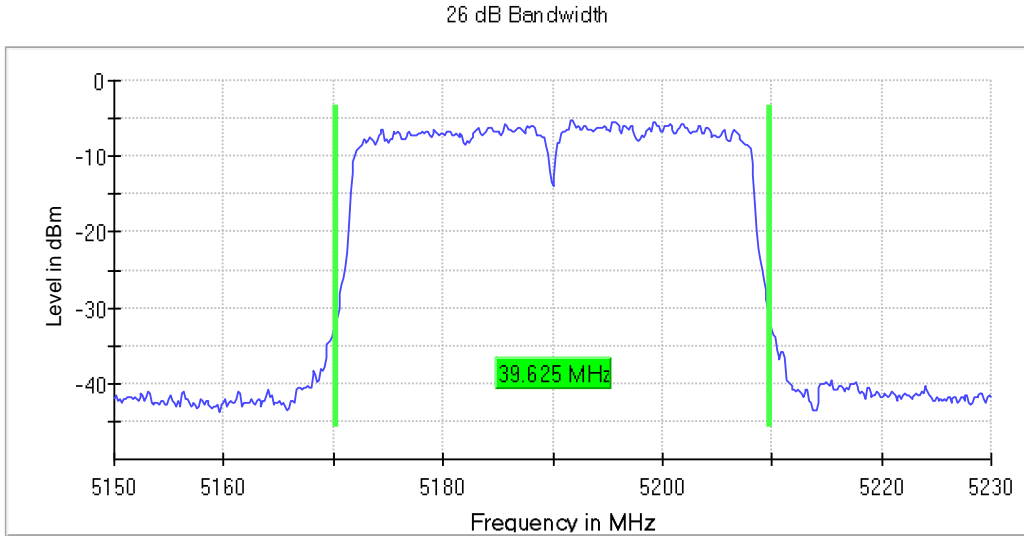
26 dB Bandwidth



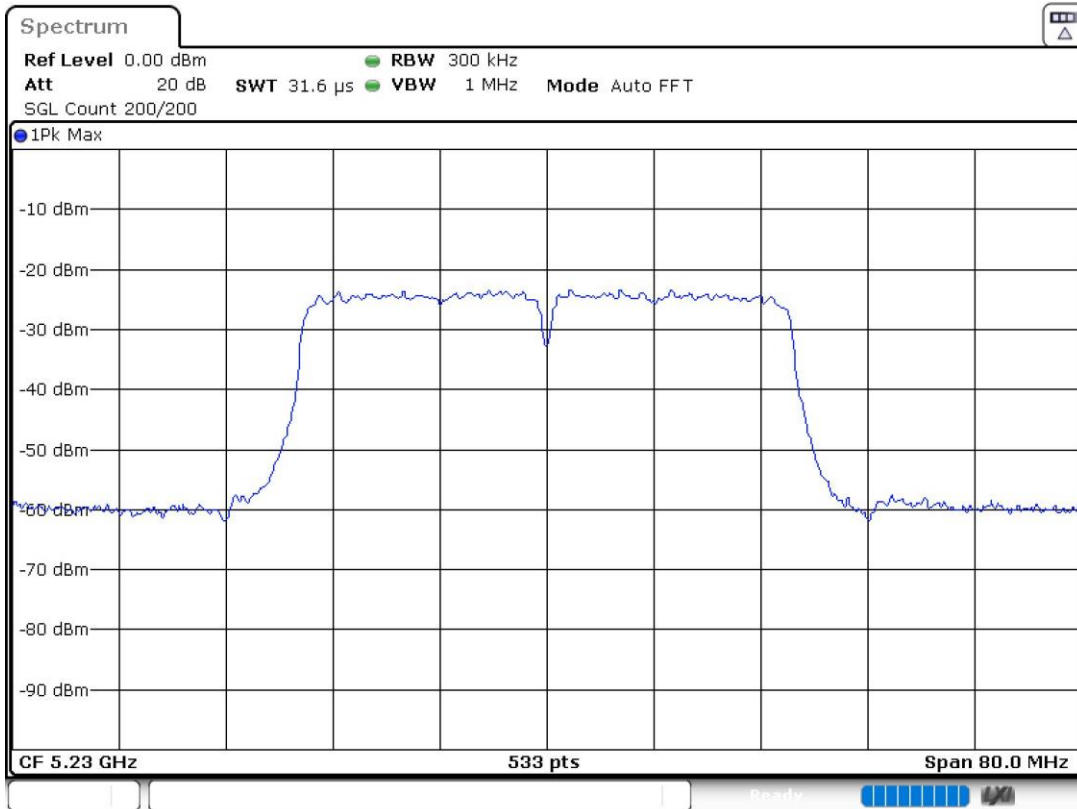
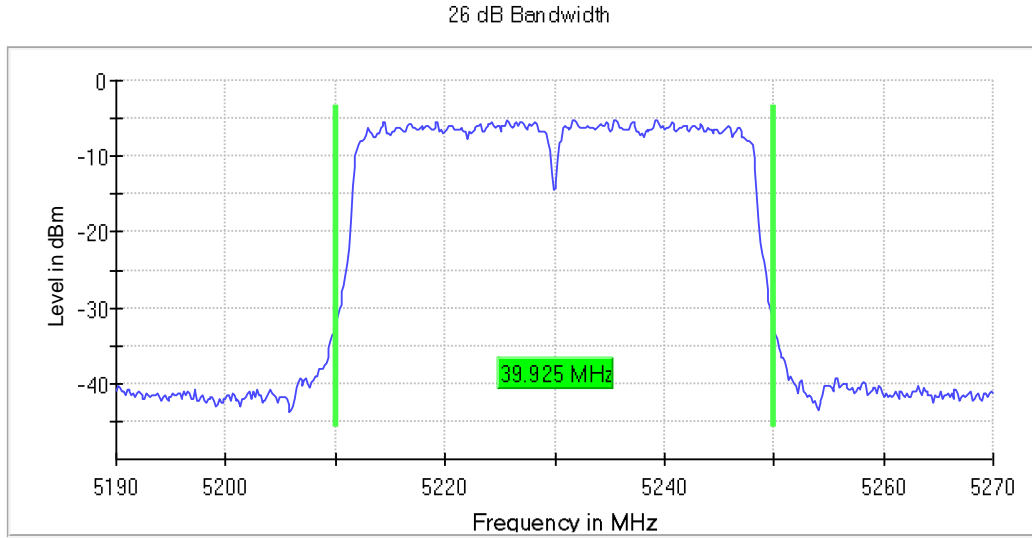
SISO 802.11 ac40 (VHT40):

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

