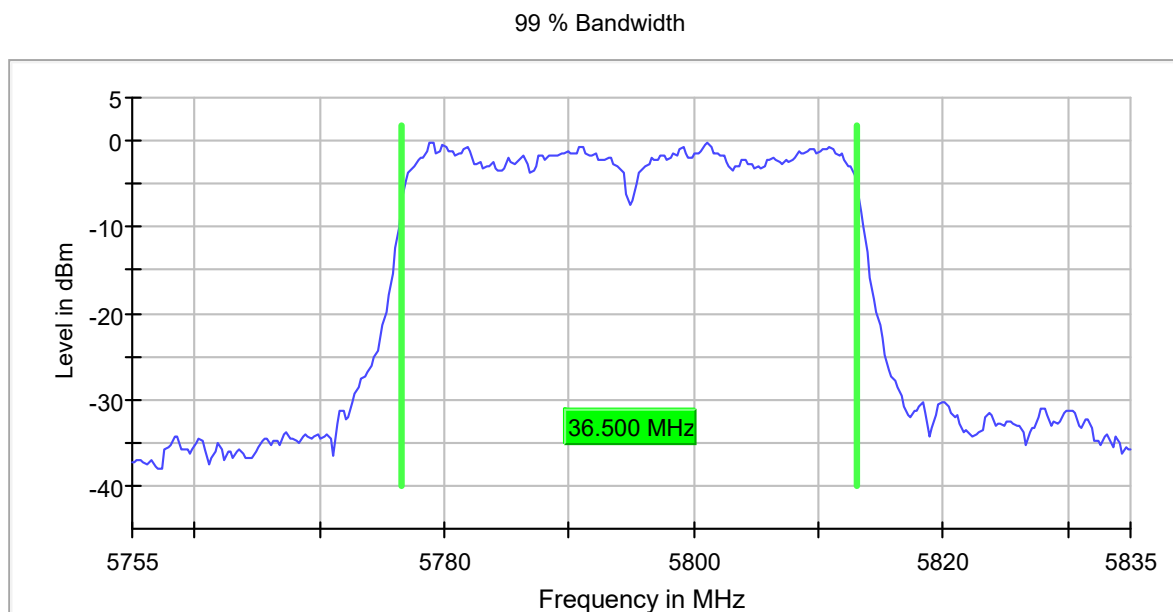


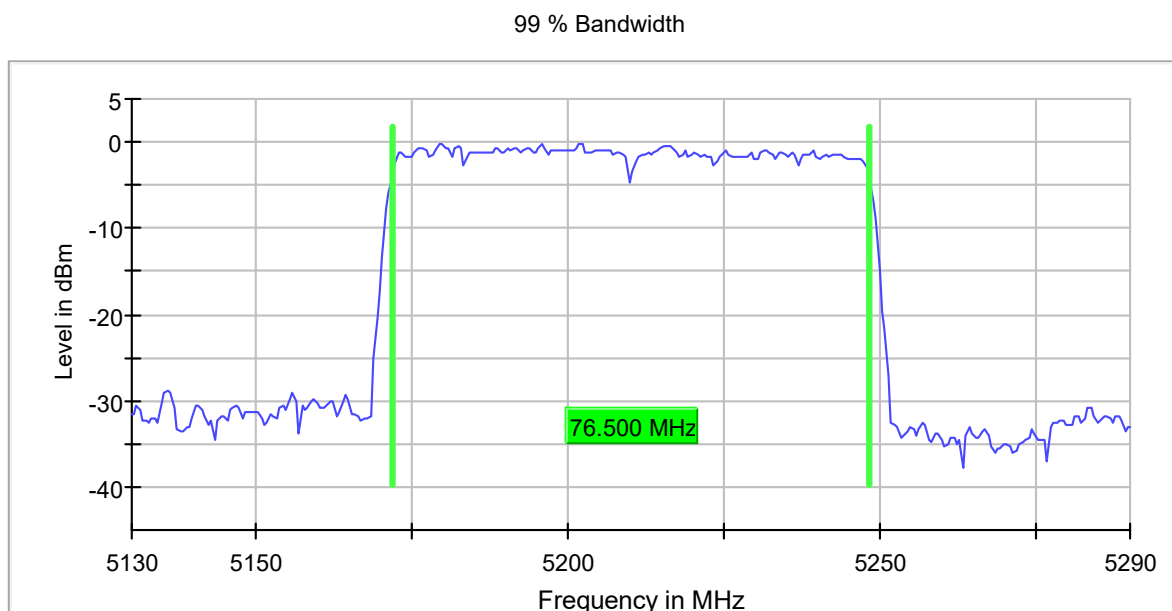
- High Channel 159 (5795 MHz):



SISO 802.11 ac80 (VHT80):

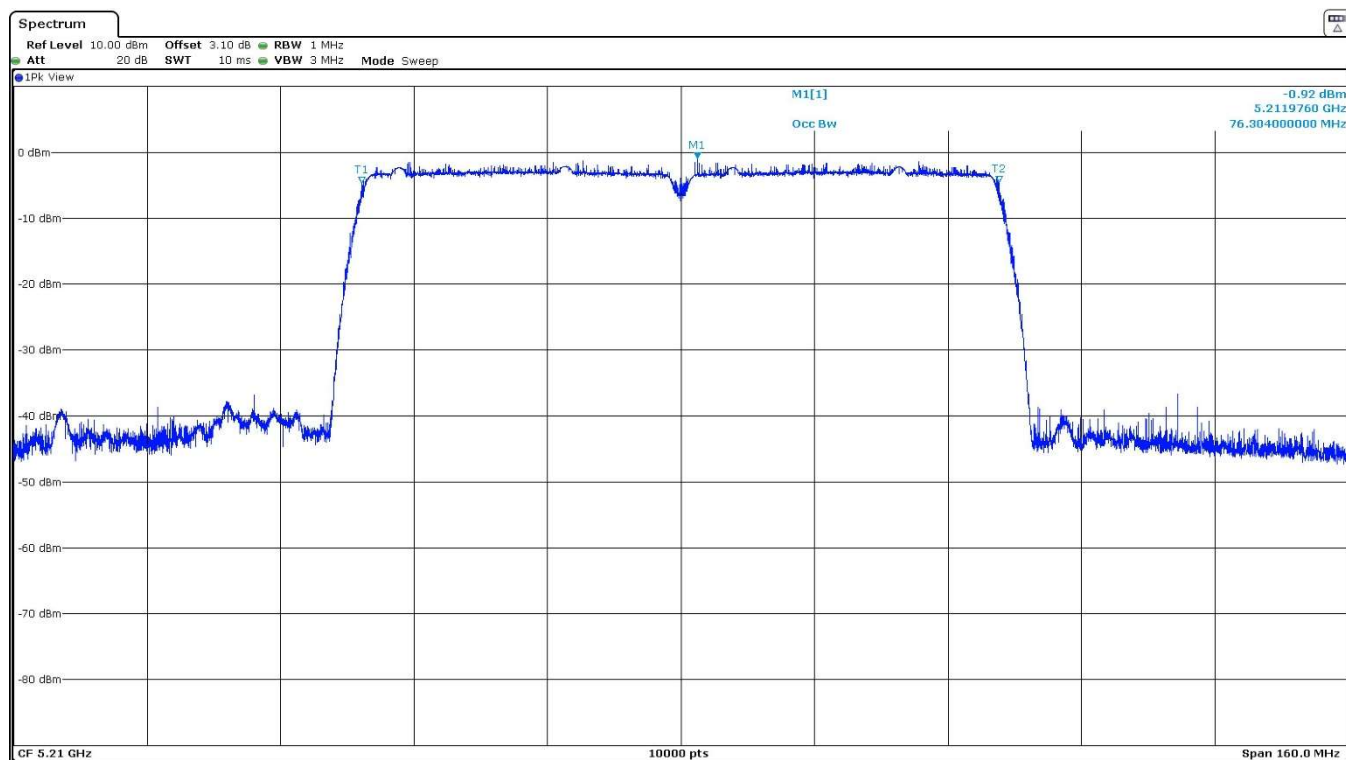
U-NII-1 FCC (5150-5250 MHz)

- Single Channel 42 (5210 MHz):



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

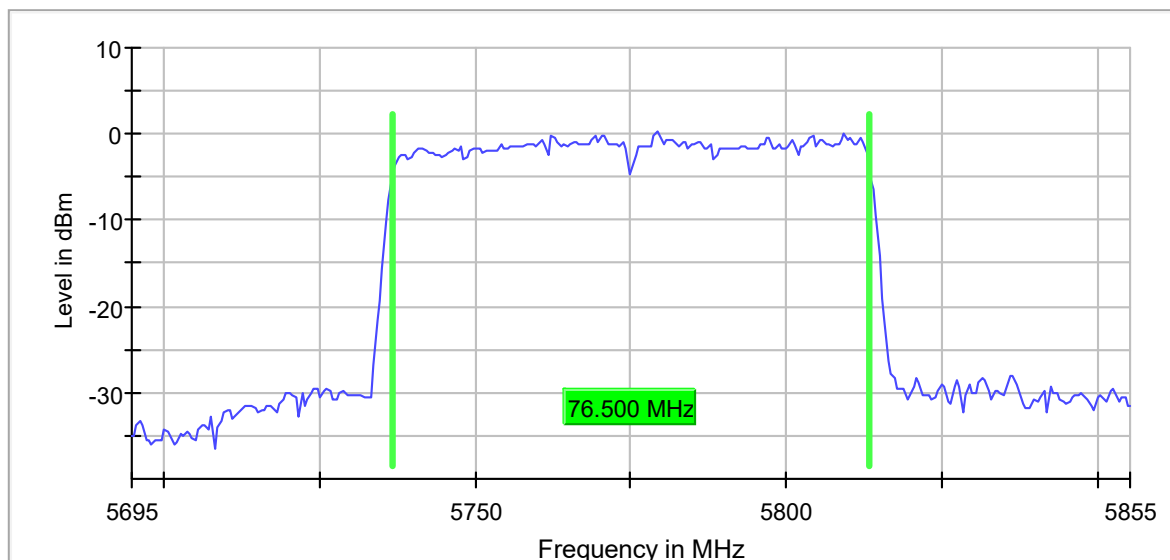
- Single Channel 42 (5210 MHz):



U-NII-3 (5725-5850 MHz)

- Single Channel 155 (5775 MHz):

99 % Bandwidth



Transmitter 26 dB Emission Bandwidth (EBW)

SPECIFICATION:

For purposes of this subpart the emission bandwidth shall be determined by measuring the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, that are 26 dB down relative to the maximum level of the modulated carrier. Determination of the emissions bandwidth is based on the use of measurement instrumentation employing a peak detector function with an instrument resolution bandwidth approximately equal to 1.0 percent of the emission bandwidth of the device under measurement.

RESULTS:

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

Mode 802.11 a20:

U-NII-1 (5150-5250 MHz)

Channels	Low Channel 36 (5180 MHz)	Middle Channel 44 (5220 MHz)	High Channel 48 (5240 MHz)
-26 dBc bandwidth (MHz)	19.9	19.9	20
Measurement uncertainty (%)	<± 2.00		

U-NII-3 (5725-5850 MHz)

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
-26 dBc bandwidth (MHz)	19.7	20.1	19.9
Measurement uncertainty (%)	<± 2.00		

Mode 802.11 n20 (HT20):

U-NII-1 (5150-5250 MHz)

Channels	Low Channel 36 (5180 MHz)	Middle Channel 44 (5220 MHz)	High Channel 48 (5240 MHz)
-26 dBc bandwidth (MHz)	20.1	20.2	20.4
Measurement uncertainty (%)	<± 2.00		

U-NII-3 (5725-5850 MHz)

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
-26 dBc bandwidth (MHz)	21	20.2	20.3
Measurement uncertainty (%)	<± 2.00		

Mode 802.11 ac20 (VHT20):

U-NII-1 (5150-5250 MHz)

Channels	Low Channel 36 (5180 MHz)	Middle Channel 44 (5220 MHz)	High Channel 48 (5240 MHz)
-26 dBc bandwidth (MHz)	20.3	20.3	20.3
Measurement uncertainty (%)	<± 2.00		

U-NII-3 (5725-5850 MHz)

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
-26 dBc bandwidth (MHz)	20.3	20.2	20.3
Measurement uncertainty (%)	<± 2.00		

Mode 802.11 n40 (HT40):

U-NII-1 (5150-5250 MHz)

Channels	Low Channel 38 (5190 MHz)	High Channel 46 (5230 MHz)
-26 dBc bandwidth (MHz)	40.375234	40.525329
Measurement uncertainty (%)	<± 2.00	

U-NII-3 (5725-5850 MHz)

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
-26 dBc bandwidth (MHz)	41.575985	41.425891
Measurement uncertainty (%)	<± 2.00	

Mode 802.11 ac40 (VHT40):

U-NII-1 (5150-5250 MHz)

Channels	Low Channel 38 (5190 MHz)	High Channel 46 (5230 MHz)
-26 dBc bandwidth (MHz)	40.975610	40.525328
Measurement uncertainty (%)	<± 2.00	

U-NII-3 (5725-5850 MHz)

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
-26 dBc bandwidth (MHz)	40.075047	41.125704
Measurement uncertainty (%)	<± 2.00	

Mode 802.11 ac80 (VHT80):

U-NII-1 (5150-5250 MHz)

Channel	Single Channel 42 (5210 MHz)
-26 dBc bandwidth (MHz)	82.5
Measurement uncertainty (%)	<± 2.00

U-NII-3 (5725-5850 MHz)

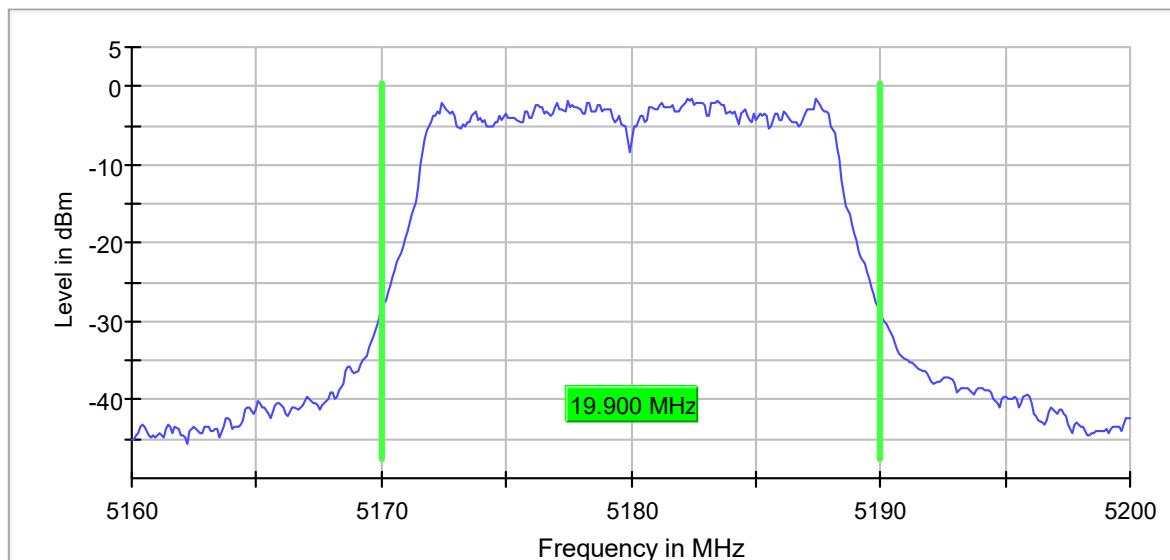
Channels	Single Channel 155 (5775 MHz)
-26 dBc bandwidth (MHz)	83
Measurement uncertainty (%)	<± 2.00

Mode 802.11 a20:

U-NII-1 (5150-5250 MHz)

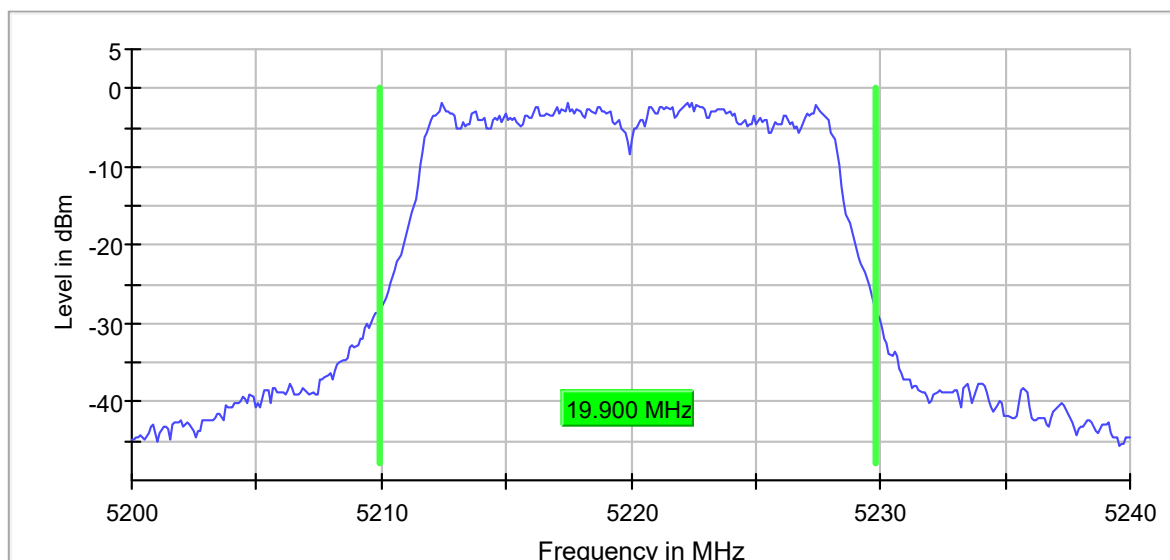
- Low Channel 36 (5180 MHz):

26 dB Bandwidth

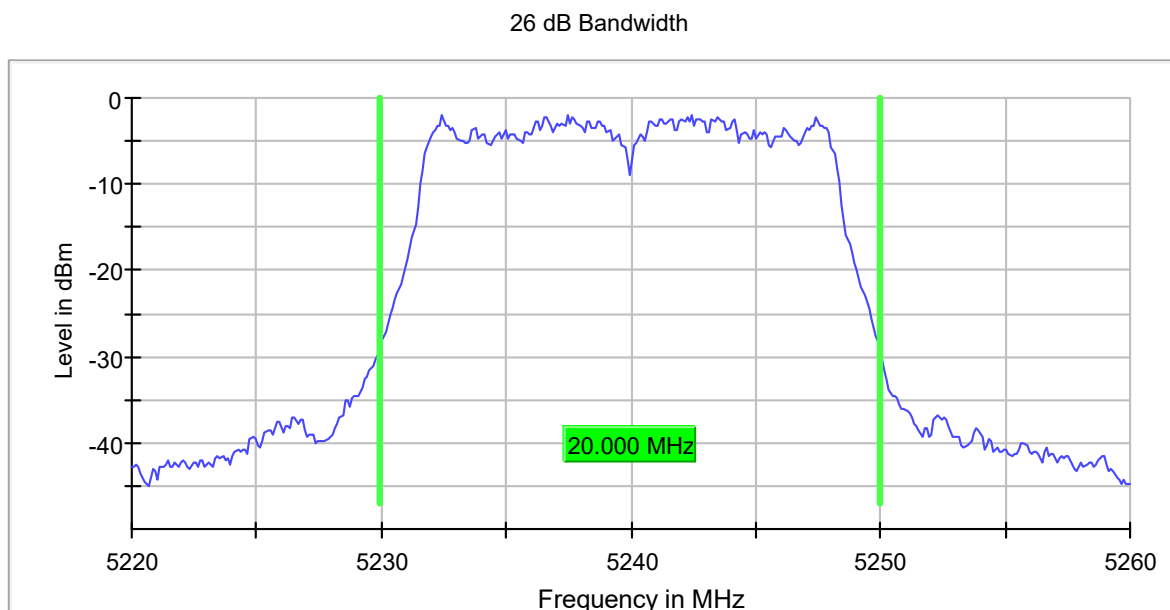


- Middle Channel 44 (5220 MHz):

26 dB Bandwidth

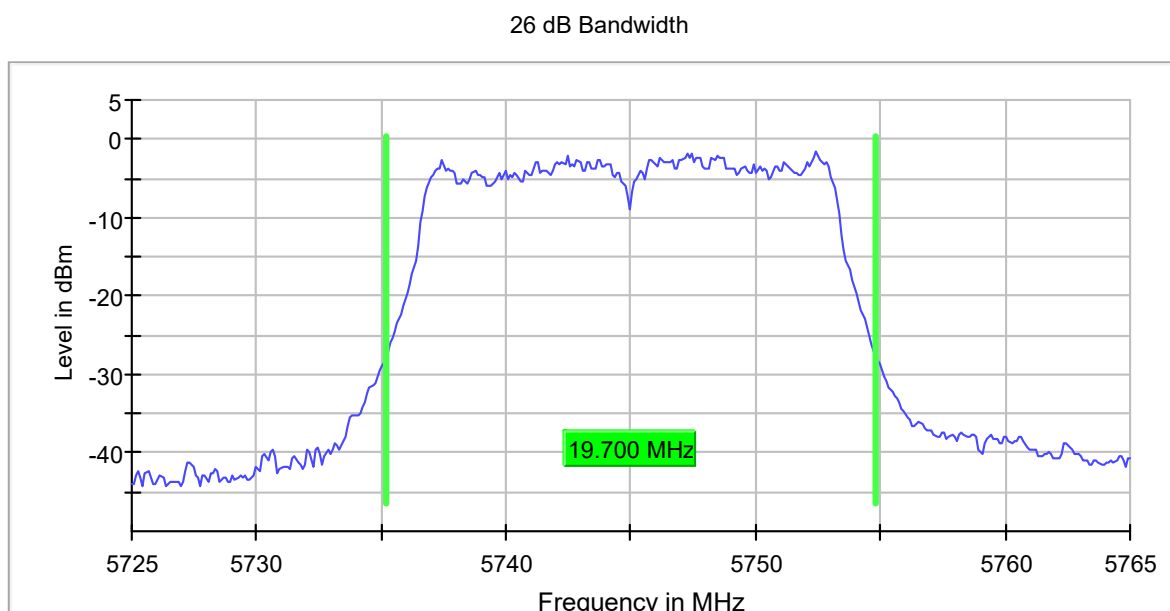


- High Channel 48 (5240 MHz):



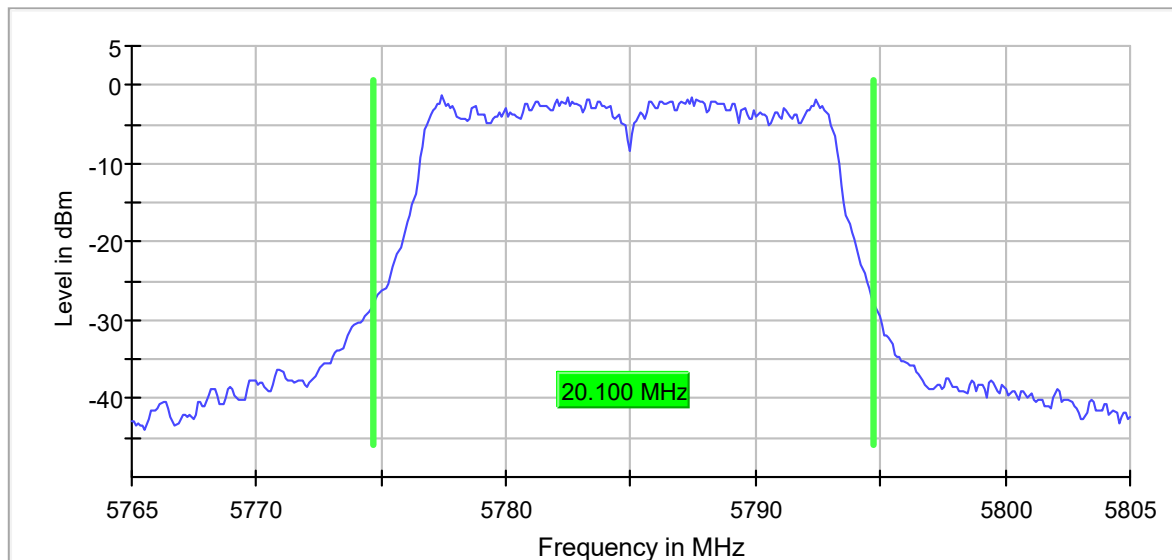
U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):



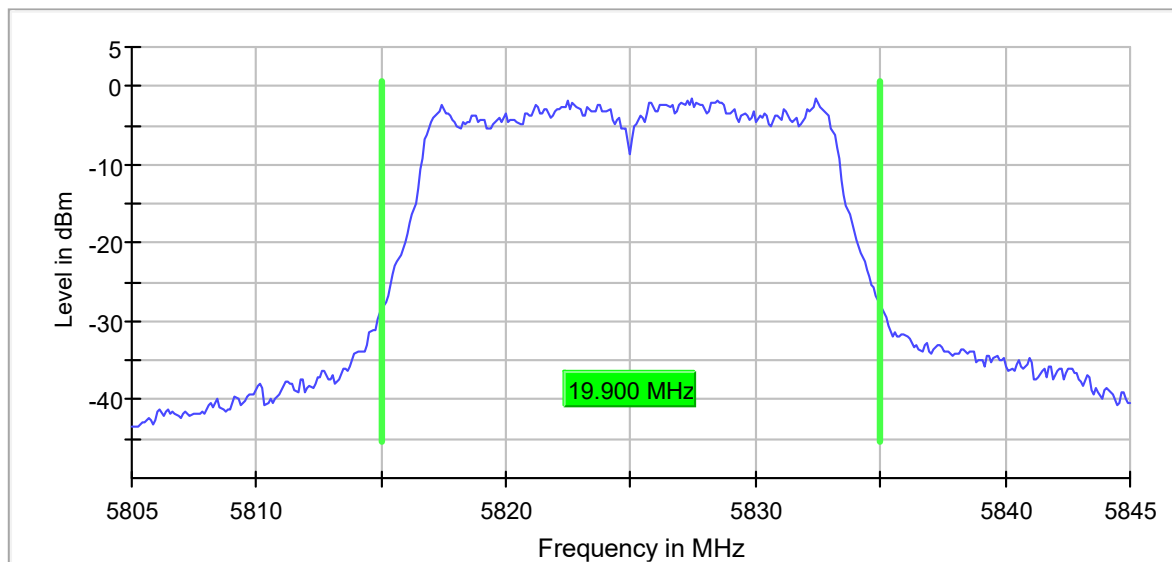
- Middle Channel 157 (5785 MHz):

26 dB Bandwidth



- High Channel 165 (5825 MHz):

26 dB Bandwidth

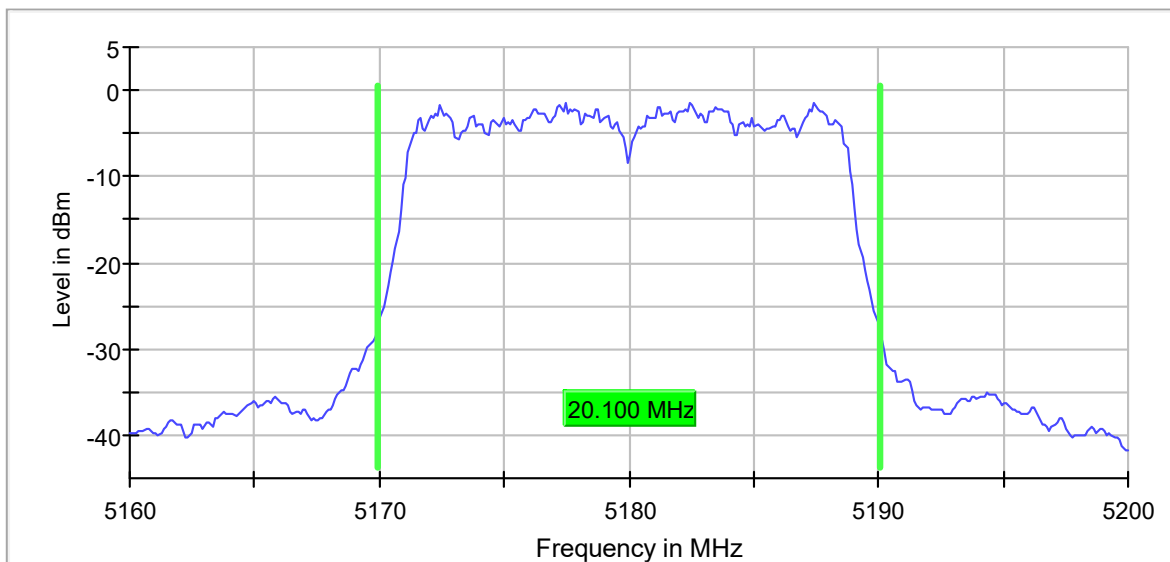


Mode 802.11 n20 (HT20):

U-NII-1 (5150-5250 MHz)

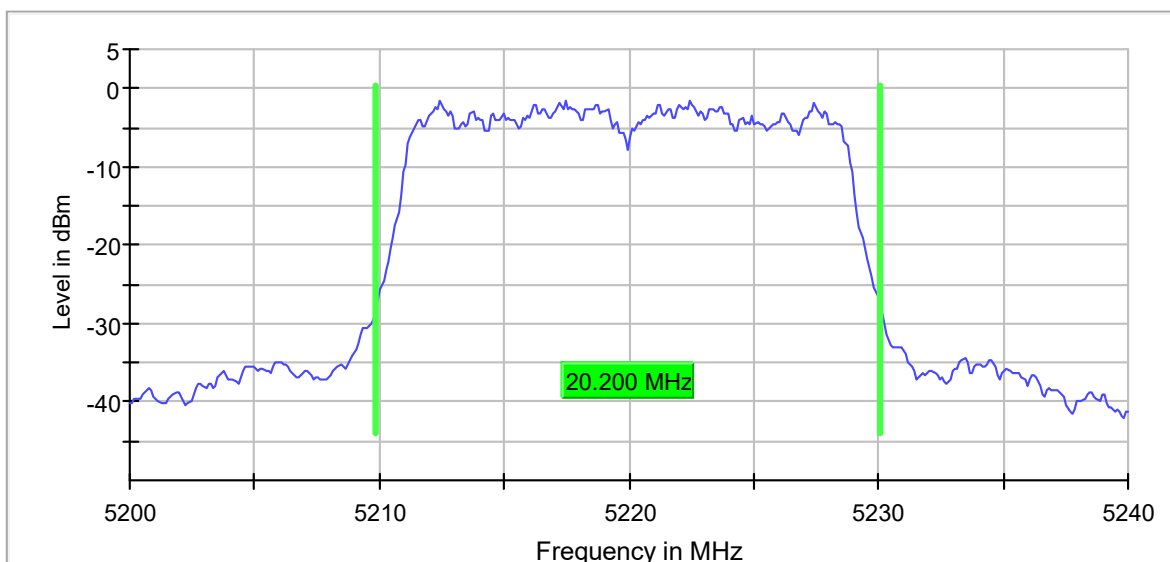
- Low Channel 36 (5180 MHz):

26 dB Bandwidth



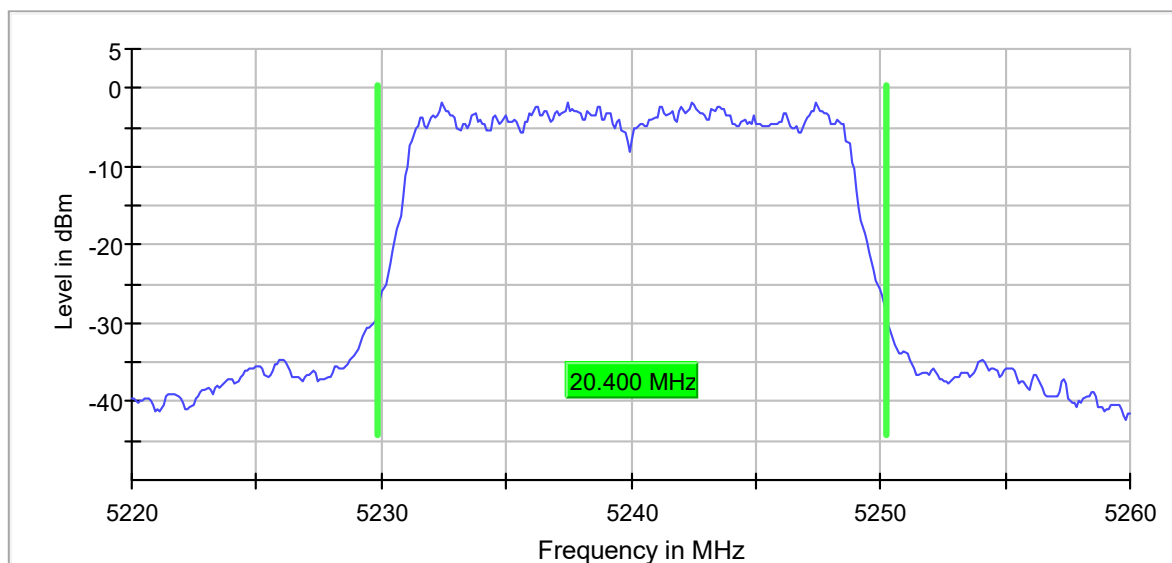
- Middle Channel 44 (5220 MHz):

26 dB Bandwidth



- High Channel 48 (5240 MHz):

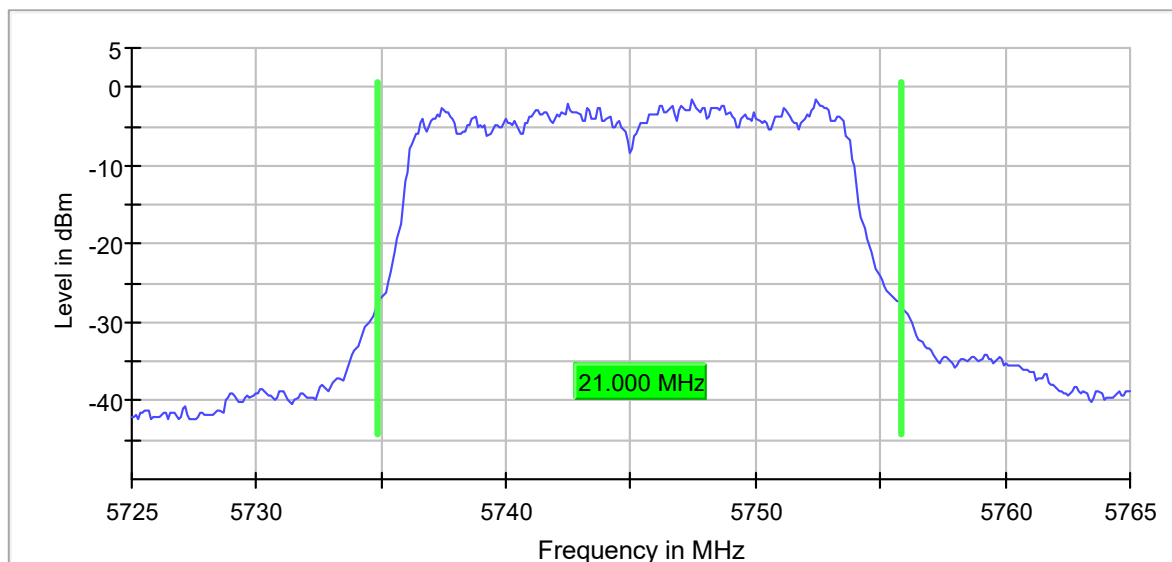
26 dB Bandwidth



U-NII-3 (5725-5850 MHz)

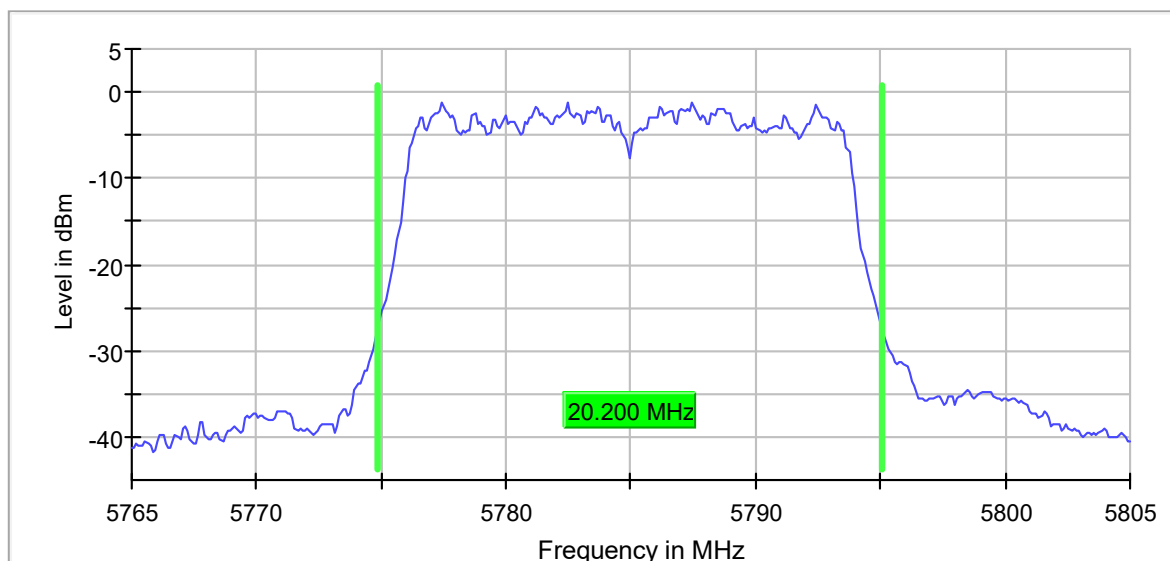
- Low Channel 149 (5745 MHz):

26 dB Bandwidth



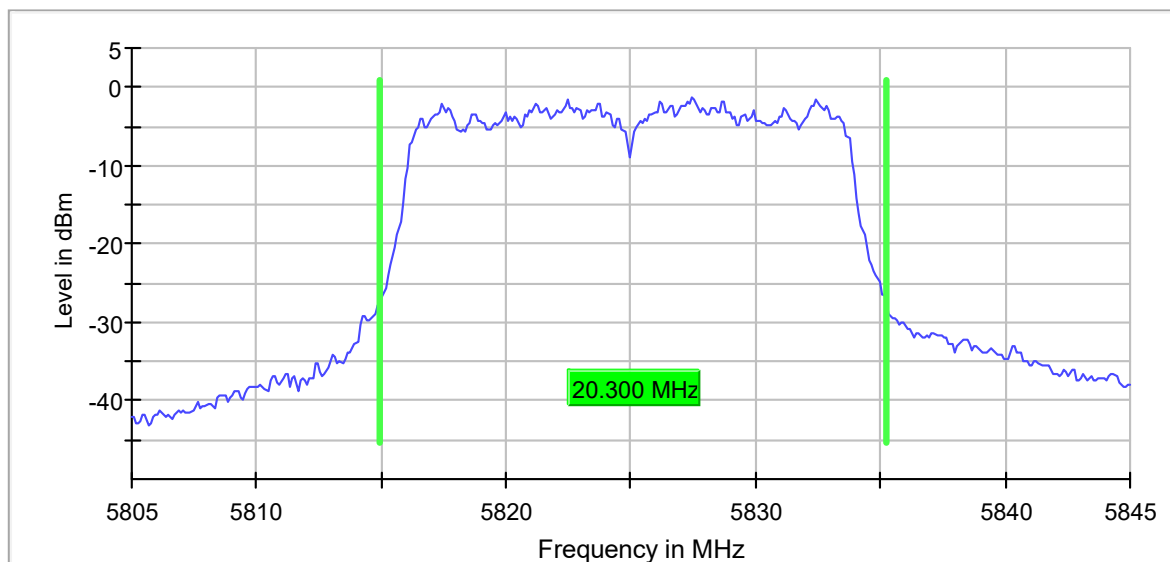
- Middle Channel 157 (5785 MHz):

26 dB Bandwidth



- High Channel 165 (5825 MHz):

26 dB Bandwidth

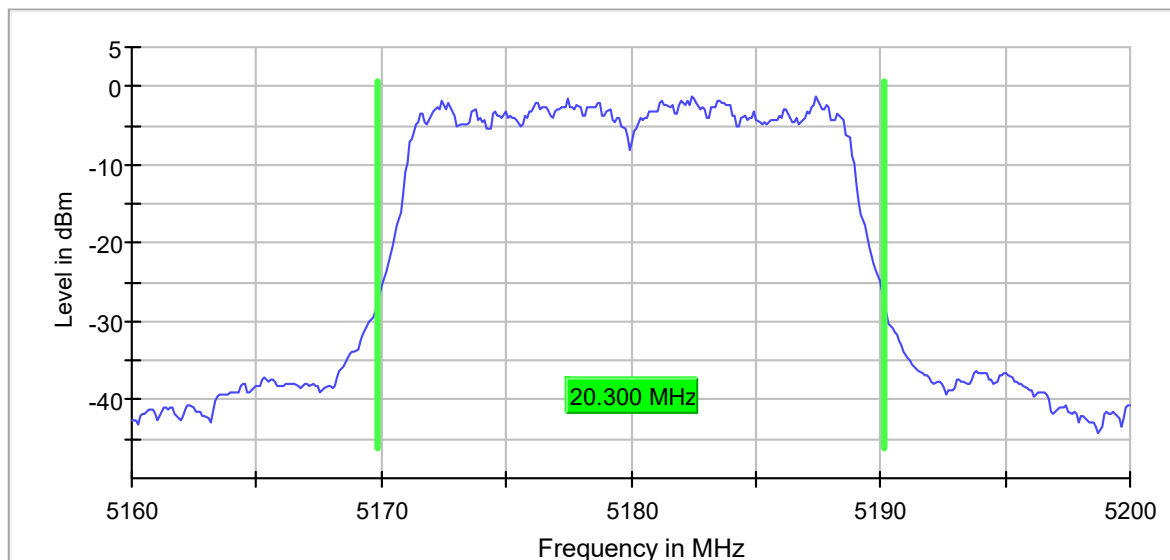


Mode 802.11 ac20 (VHT20):

U-NII-1 (5150-5250 MHz)

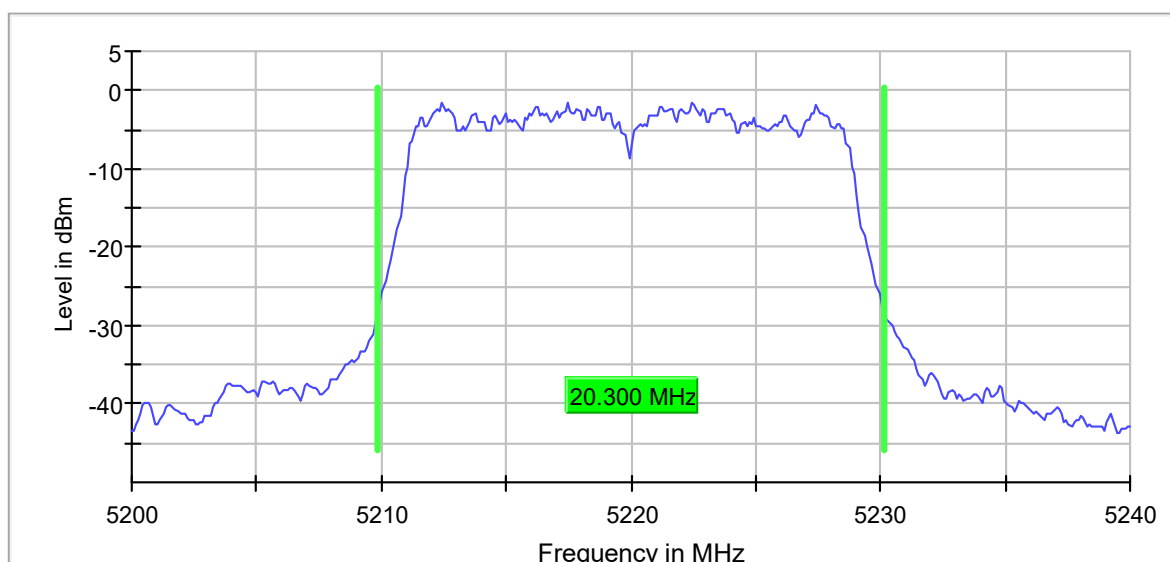
- Low Channel 36 (5180 MHz):

26 dB Bandwidth



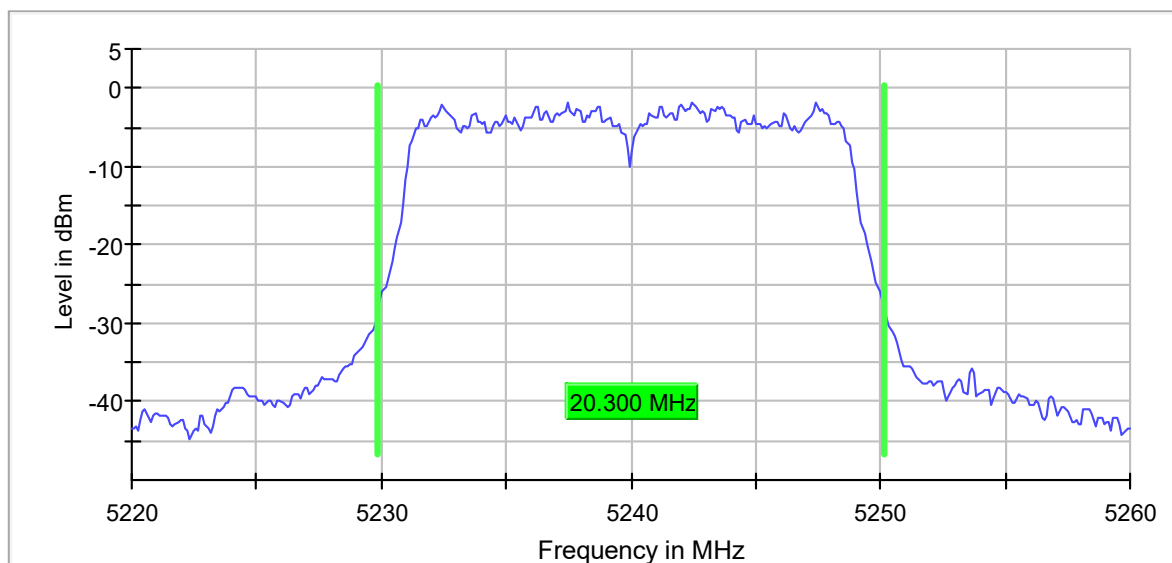
- Middle Channel 44 (5220 MHz):

26 dB Bandwidth



- High Channel 48 (5240 MHz):

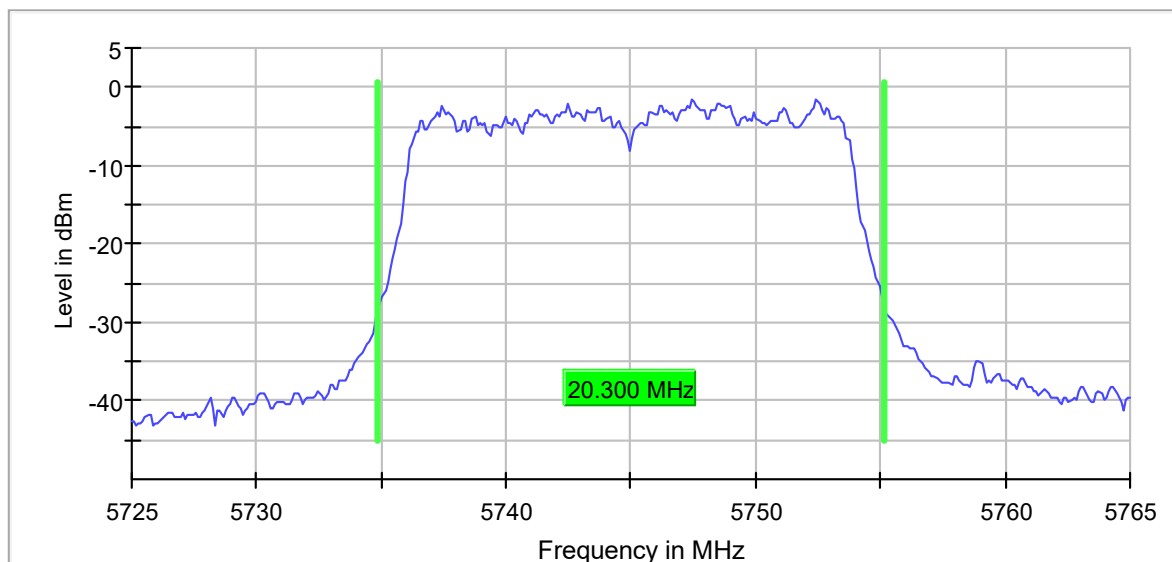
26 dB Bandwidth



U-NII-3 (5725-5850 MHz)

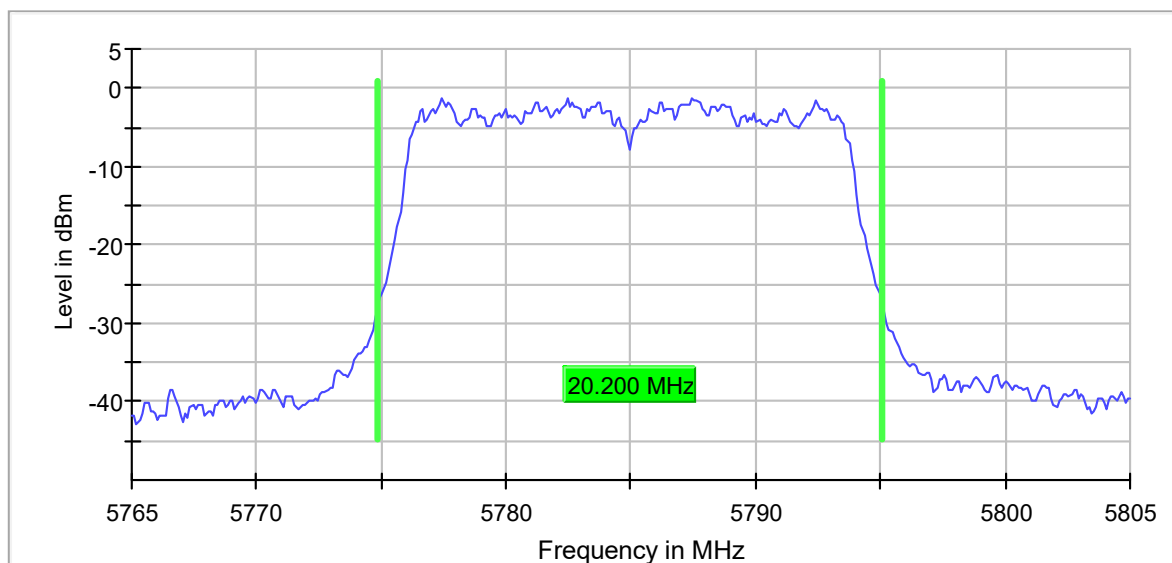
- Low Channel 149 (5745 MHz):

26 dB Bandwidth



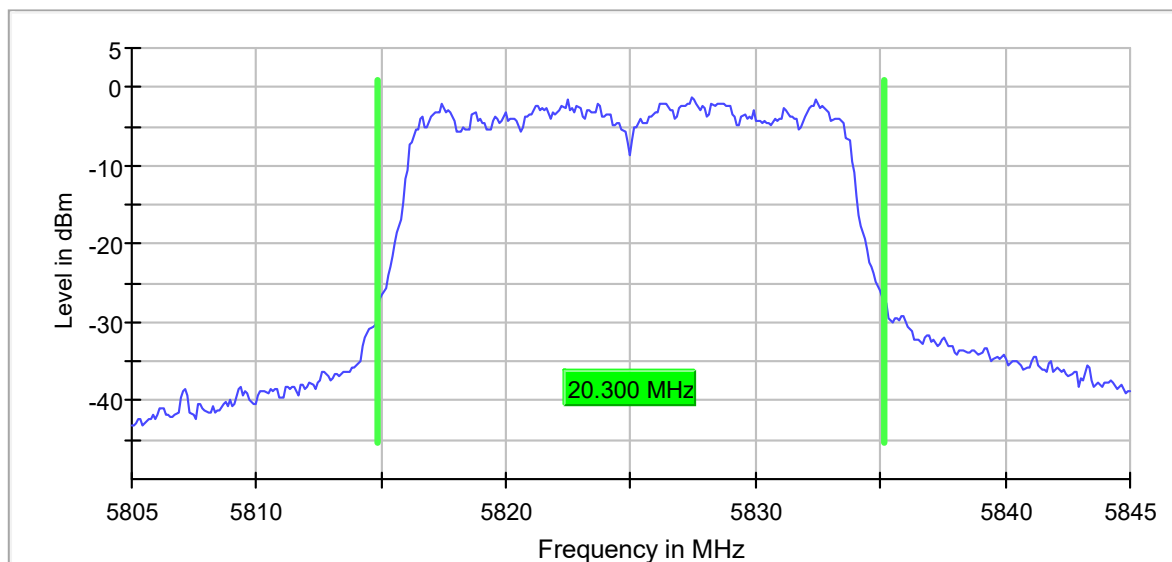
- Middle Channel 157 (5785 MHz):

26 dB Bandwidth



- High Channel 165 (5825 MHz):

26 dB Bandwidth

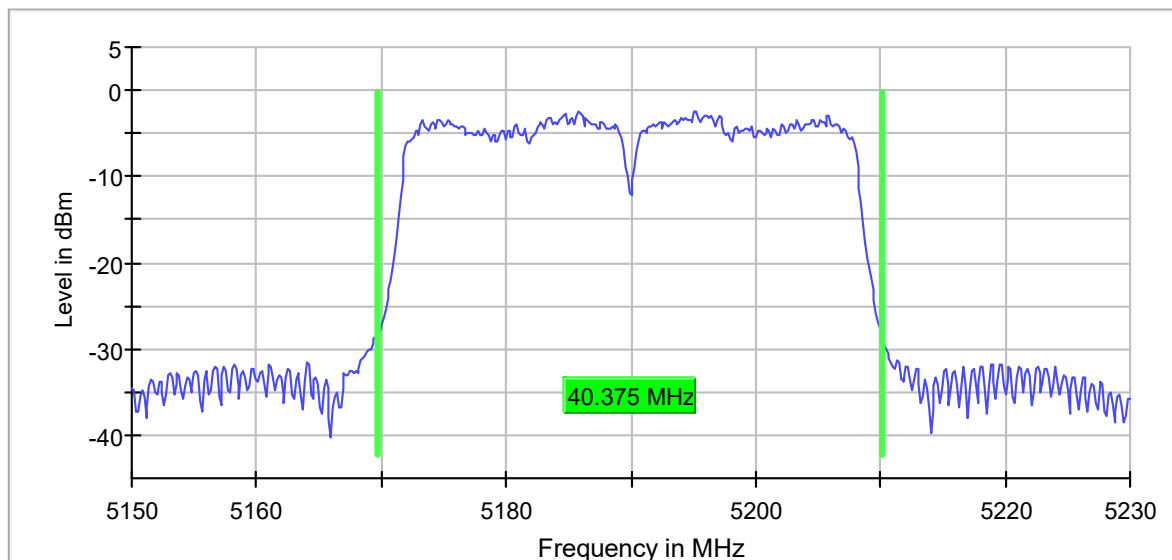


Mode 802.11 n40 (HT40):

U-NII-1 (5150-5250 MHz)

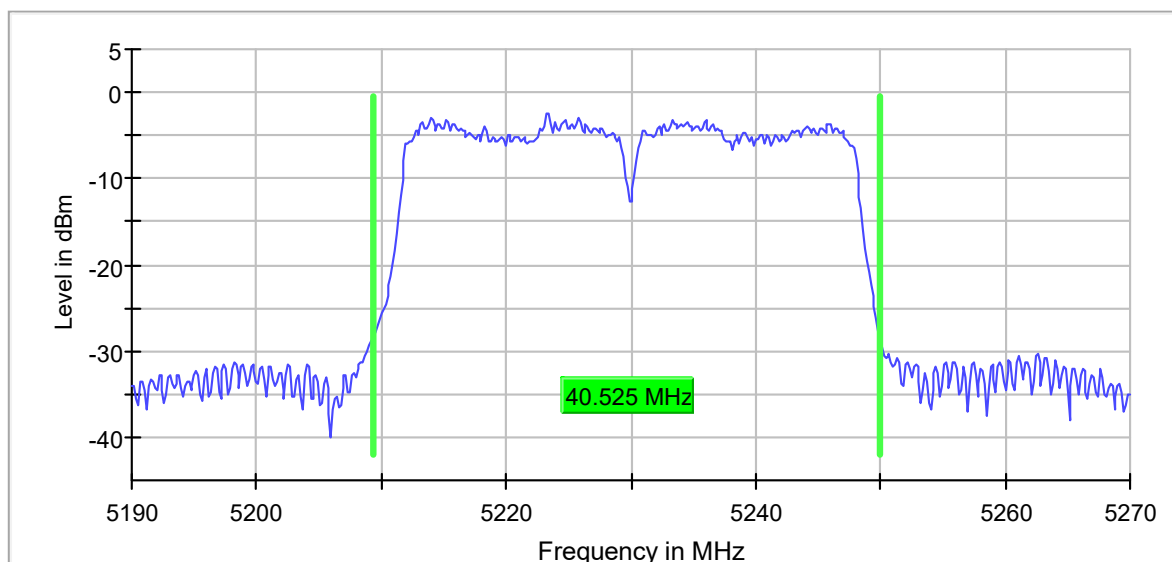
- Low Channel 38 (5190 MHz):

26 dB Bandwidth



- High Channel 46 (5230 MHz):

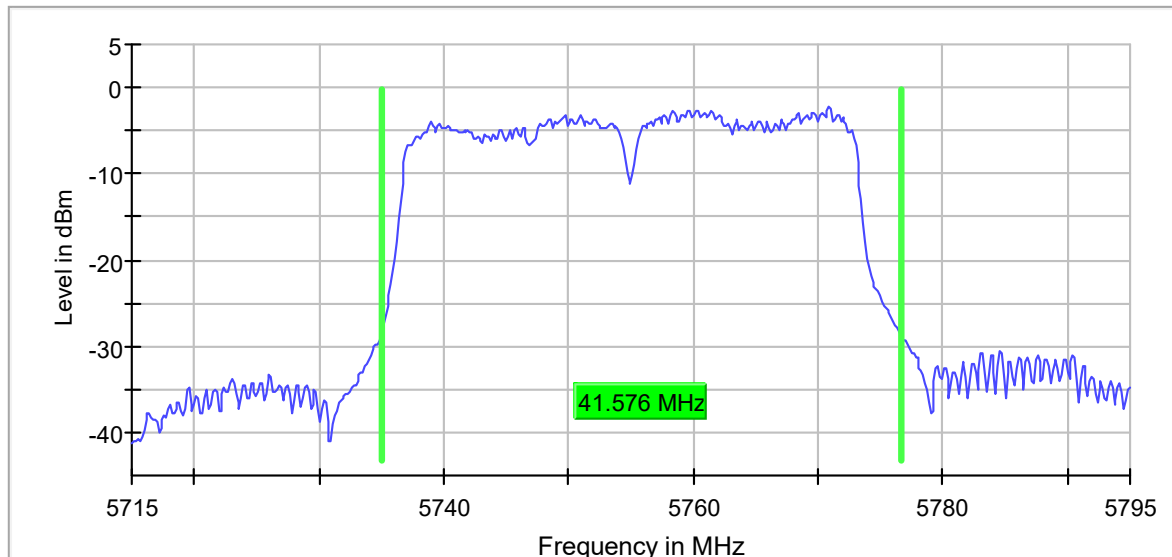
26 dB Bandwidth



U-NII-3 (5725-5850 MHz)

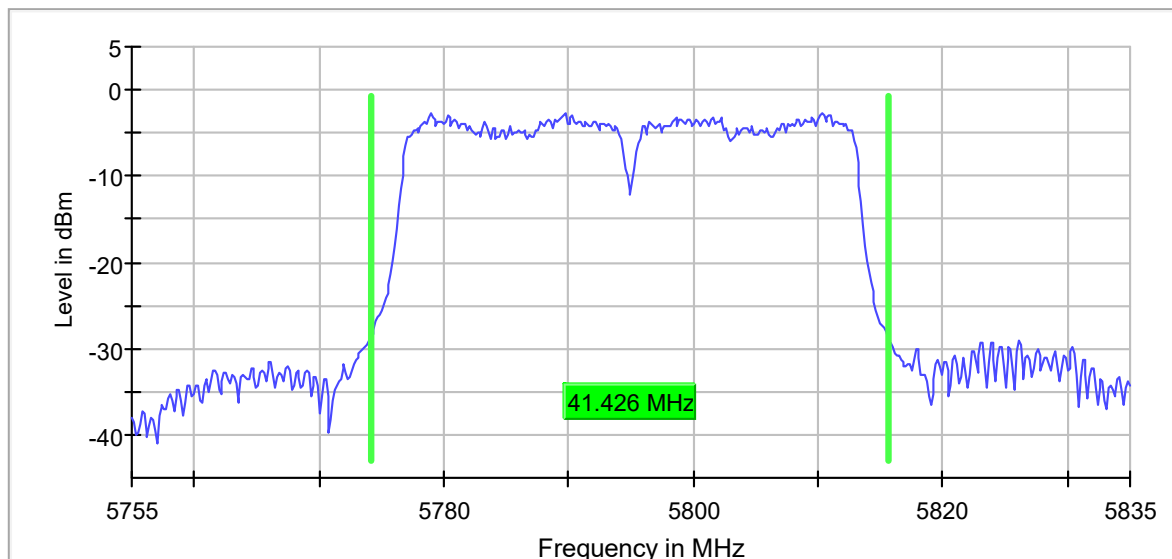
- Low Channel 151 (5755 MHz):

26 dB Bandwidth



- High Channel 159 (5795 MHz):

26 dB Bandwidth

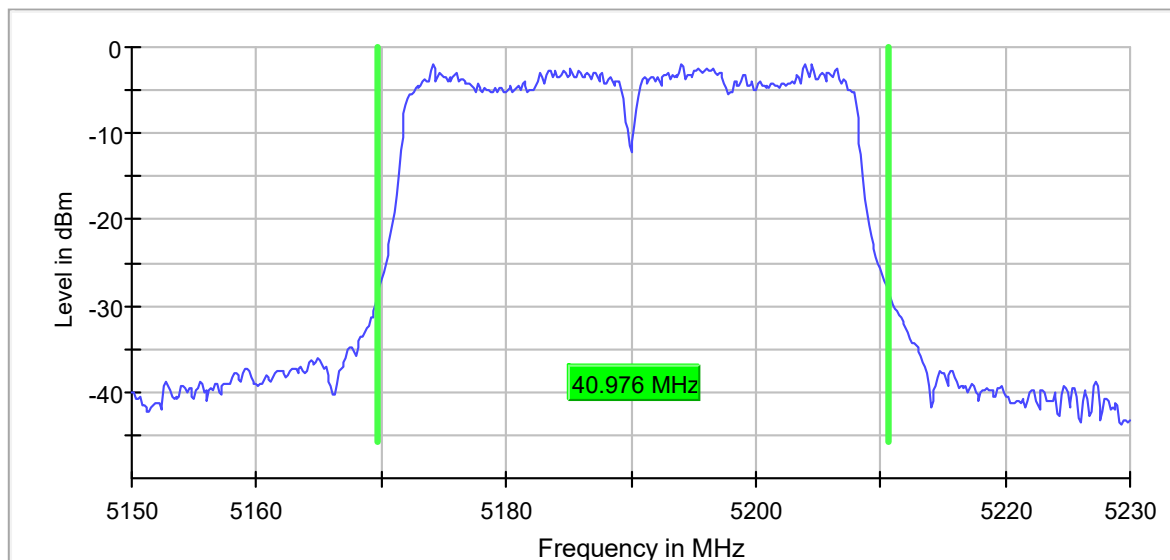


Mode 802.11 ac40 (VHT40):

U-NII-1 (5150-5250 MHz)

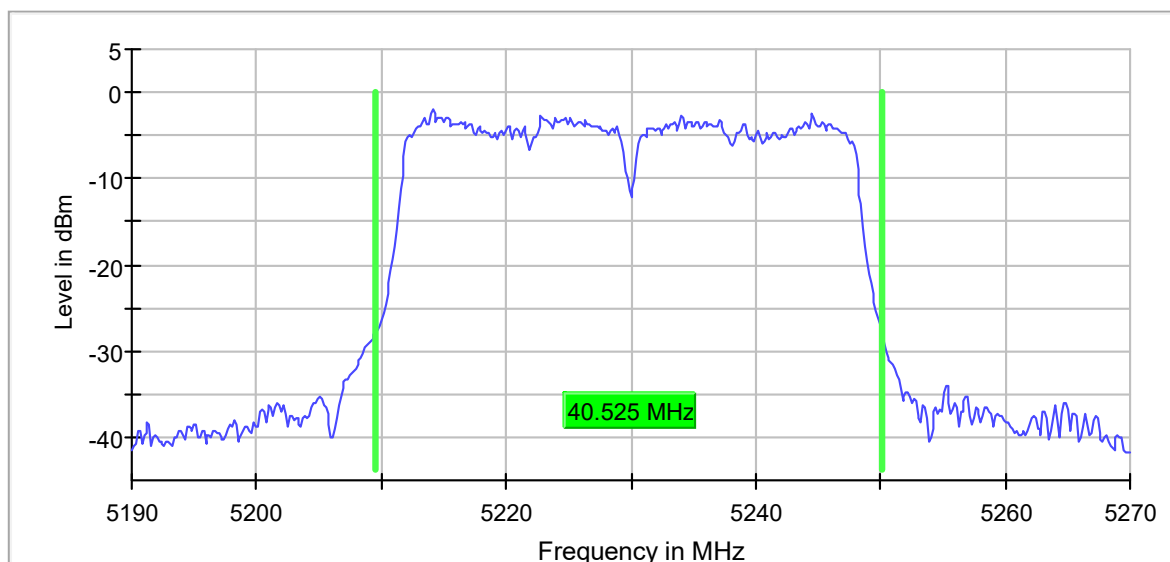
- Low Channel 38 (5190 MHz):

26 dB Bandwidth



- High Channel 46 (5230 MHz):

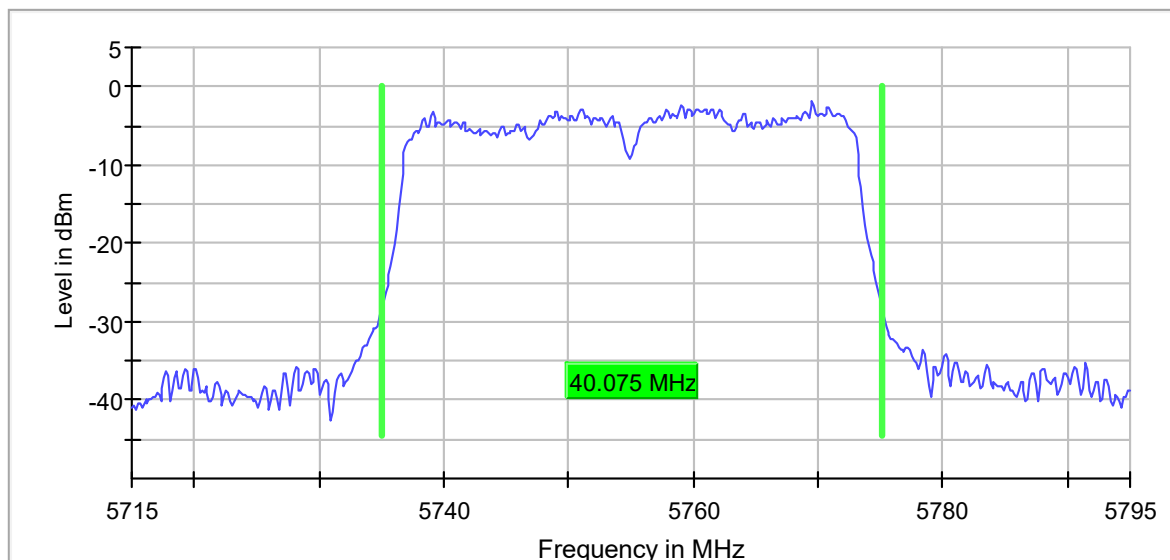
26 dB Bandwidth



U-NII-3 (5725-5850 MHz)

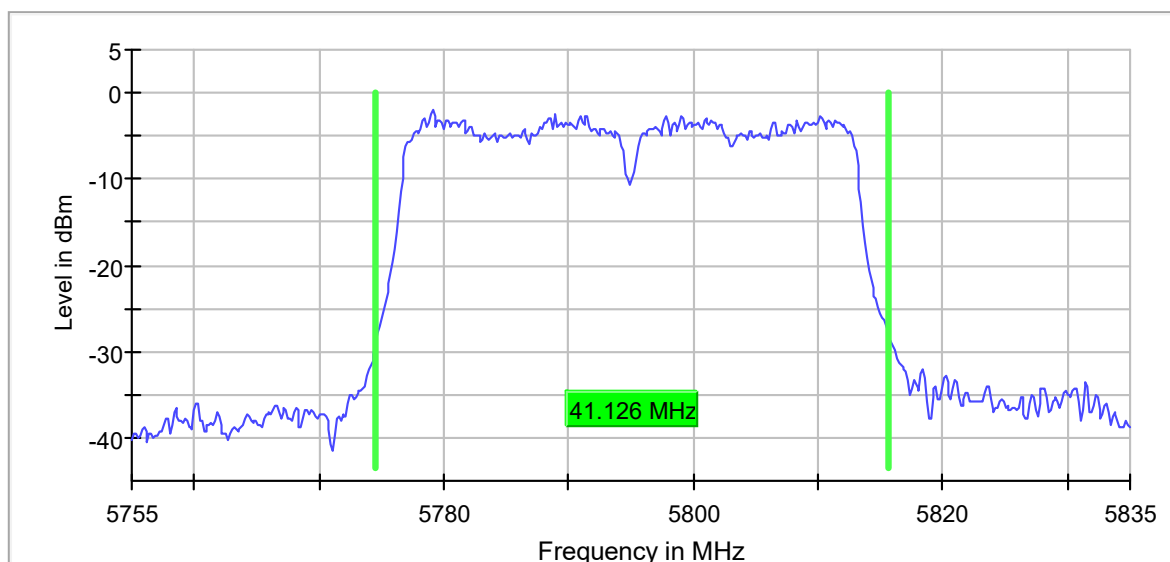
- Low Channel 151 (5755 MHz):

26 dB Bandwidth



- High Channel 159 (5795 MHz):

26 dB Bandwidth

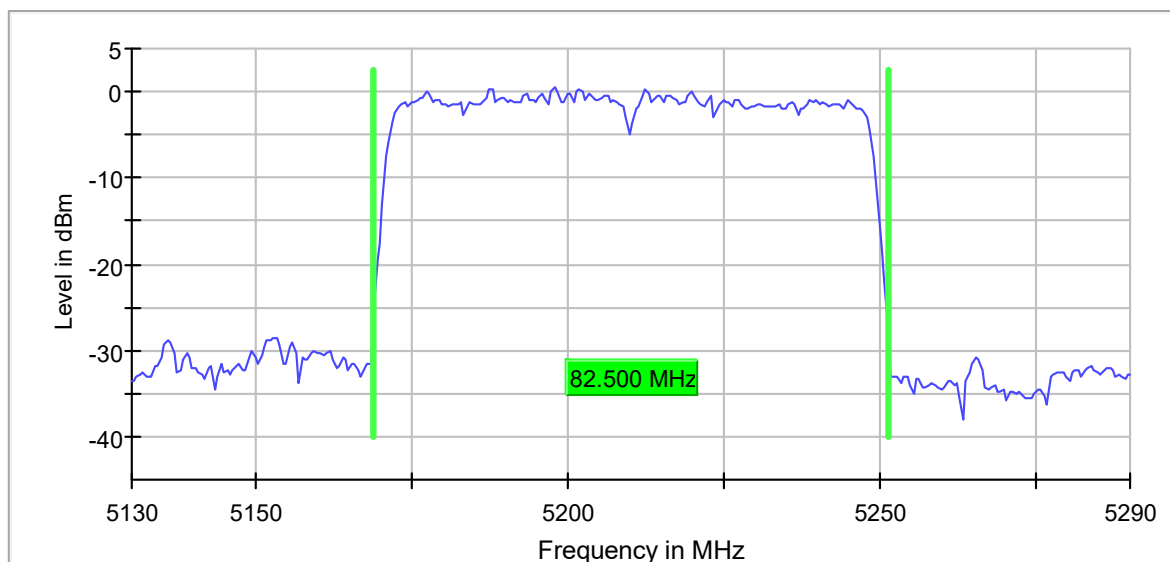


Mode 802.11 ac80 (VHT80):

U-NII-1 (5150-5250 MHz)

- Single Channel 42 (5210 MHz):

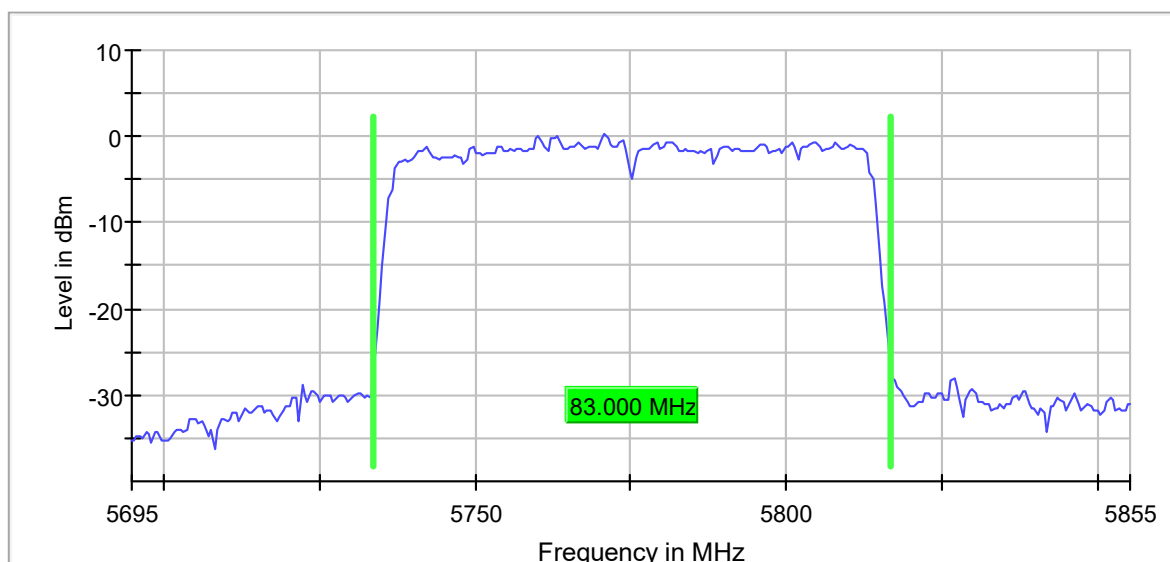
26 dB Bandwidth



U-NII-3 (5725-5850 MHz)

- Single Channel 155 (5775 MHz):

26 dB Bandwidth



Appendix B: Tests results for the U-NII-1 Band 5.15 – 5.25 GHz