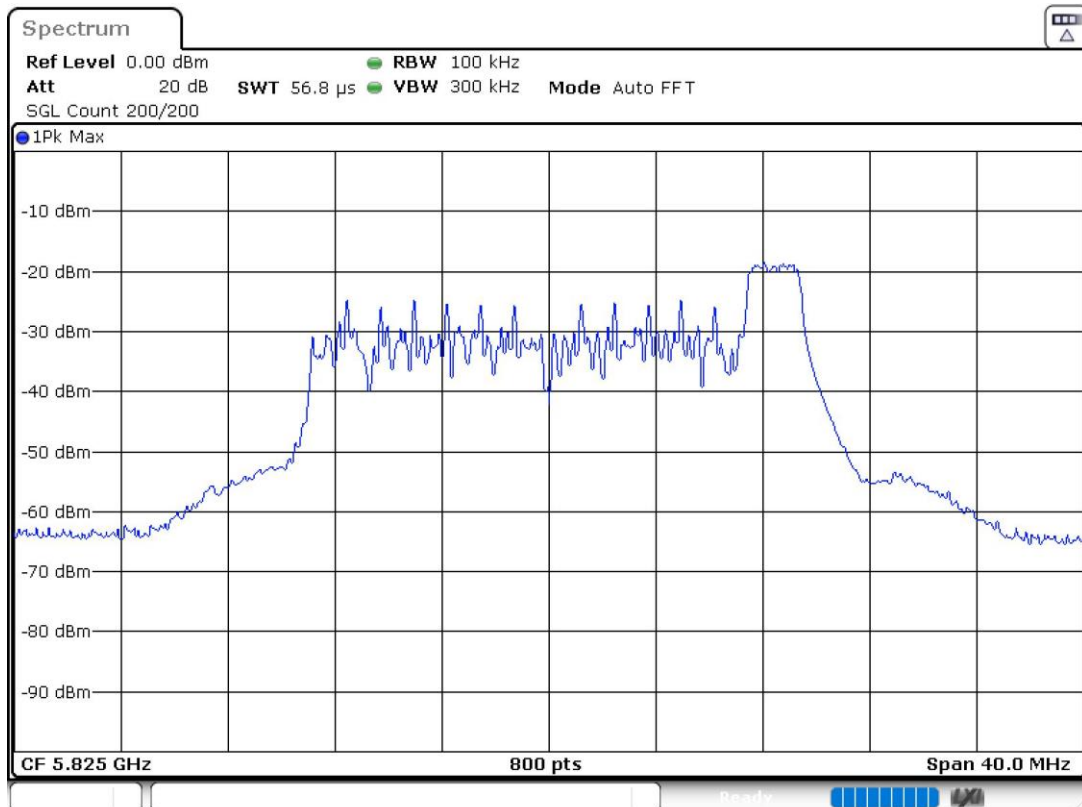
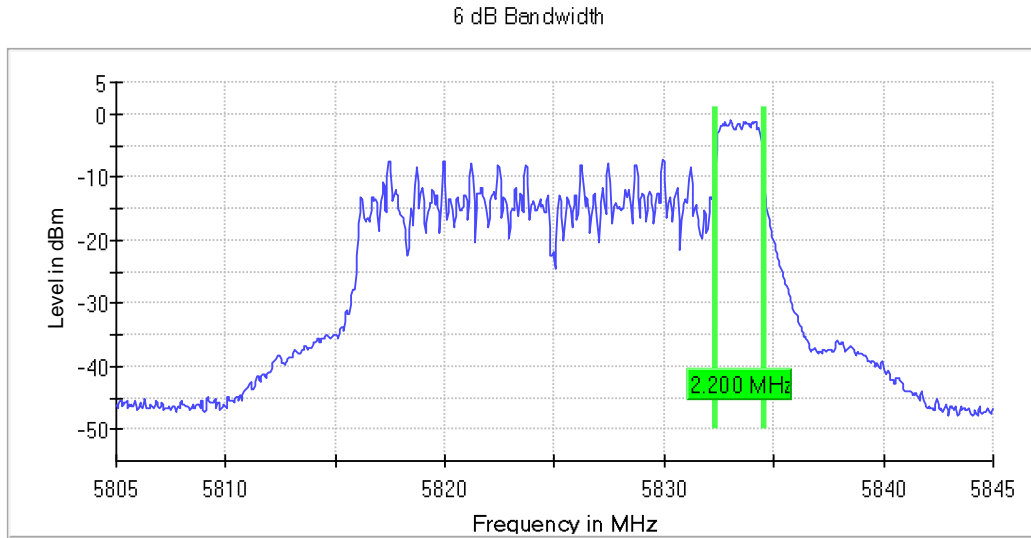


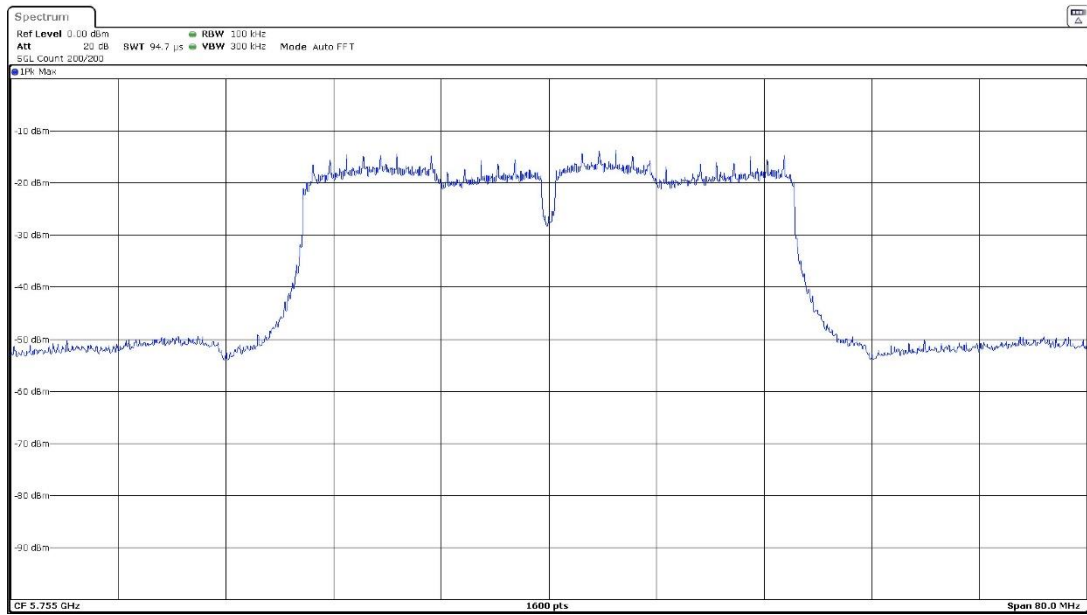
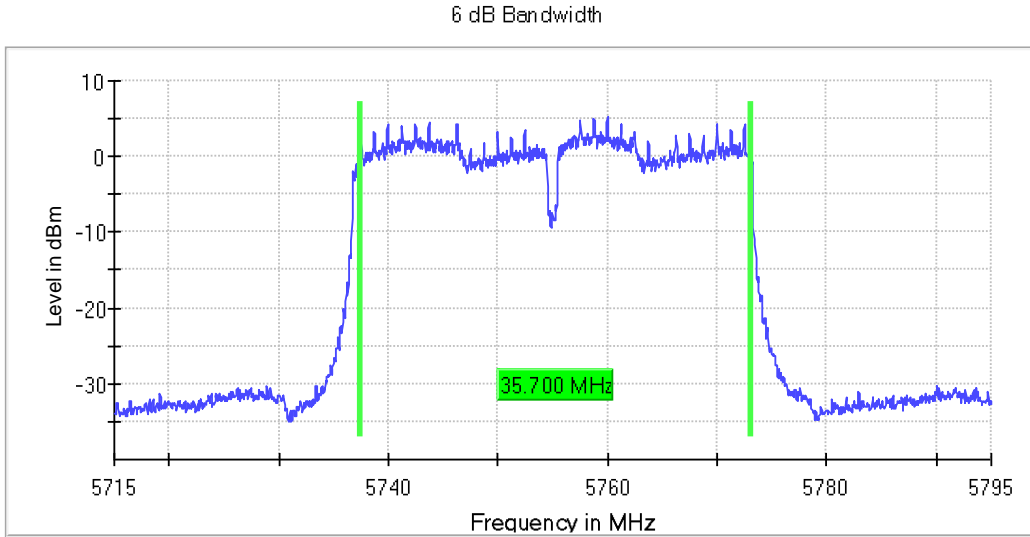
- High Channel 165 (5825 MHz) / RU26 Offset 8:



MIMO 802.11 n40 (HT40):

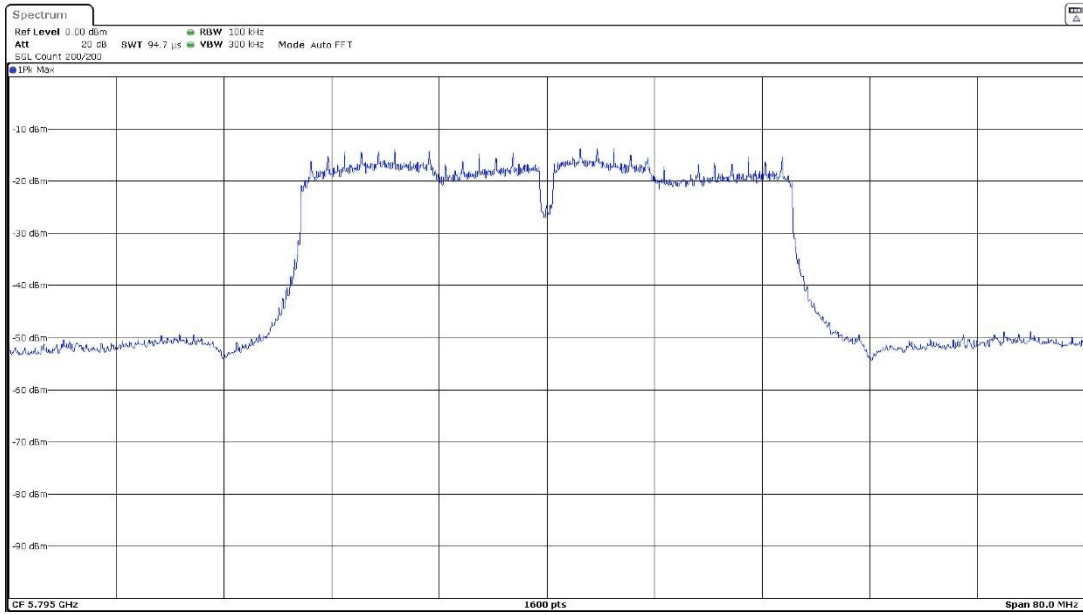
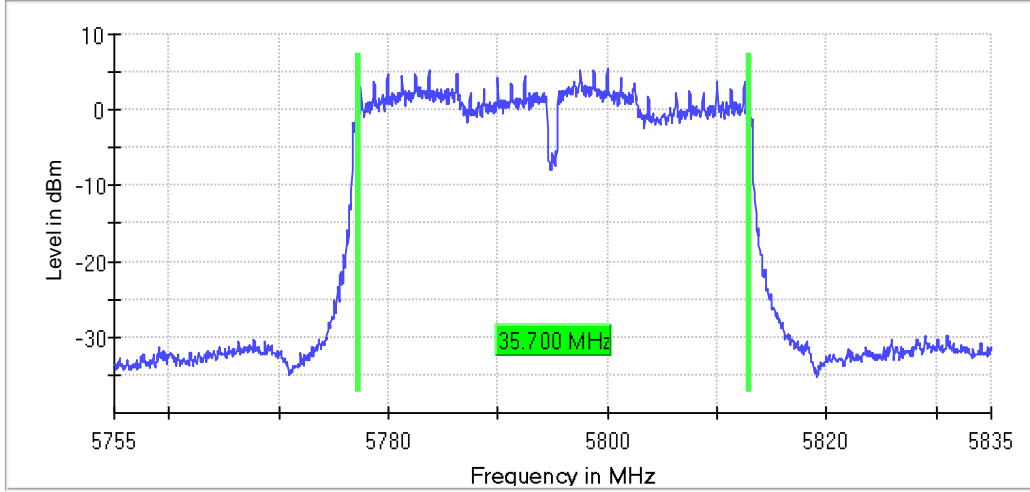
U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):



- High Channel 159 (5795 MHz):

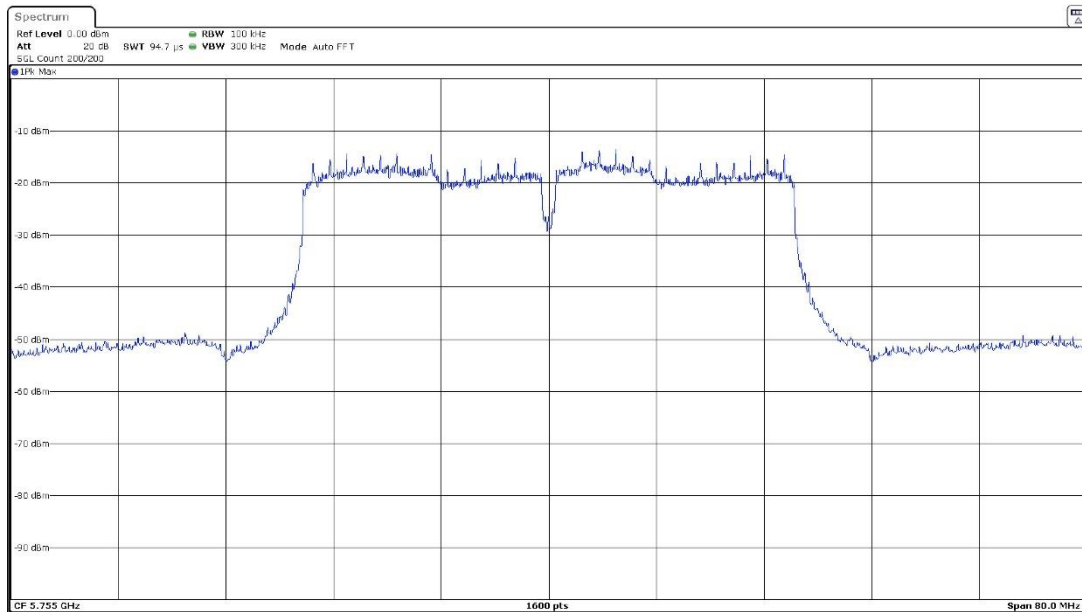
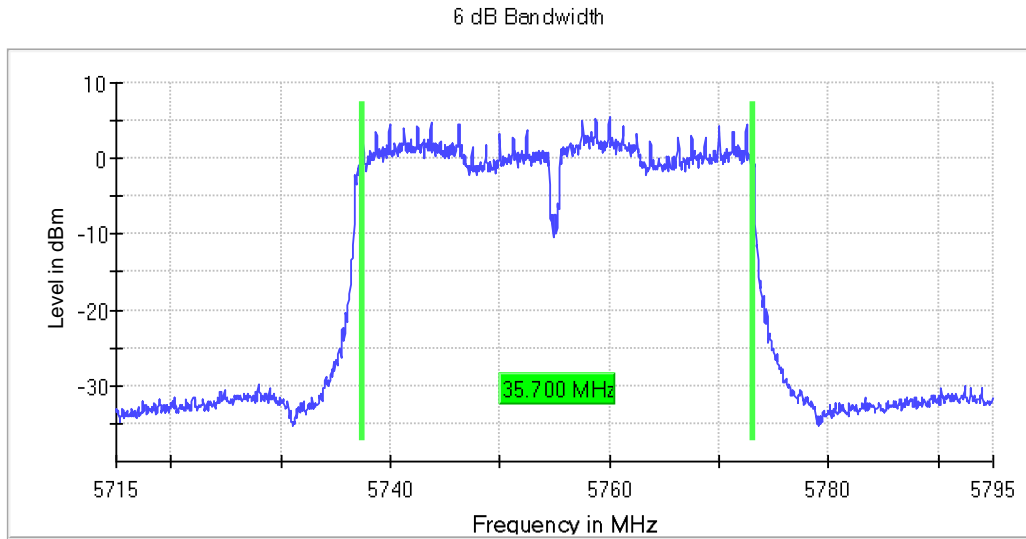
6 dB Bandwidth



MIMO 802.11 ac40 (VHT40):

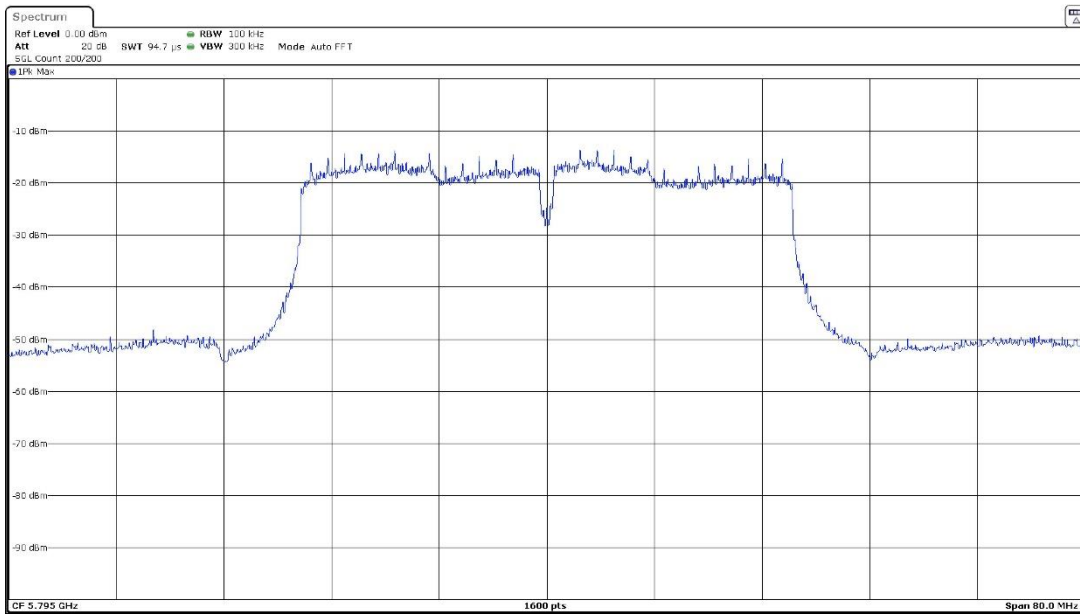
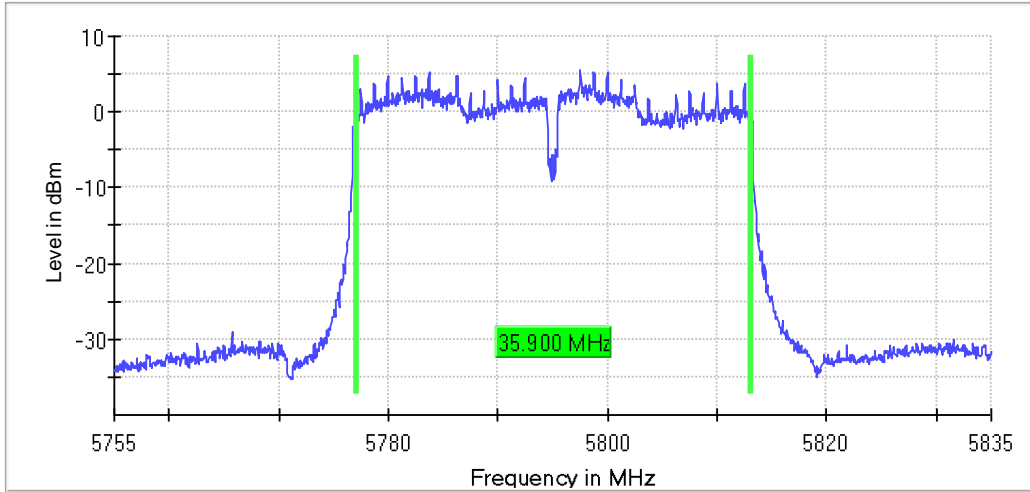
U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):



- High Channel 159 (5795 MHz):

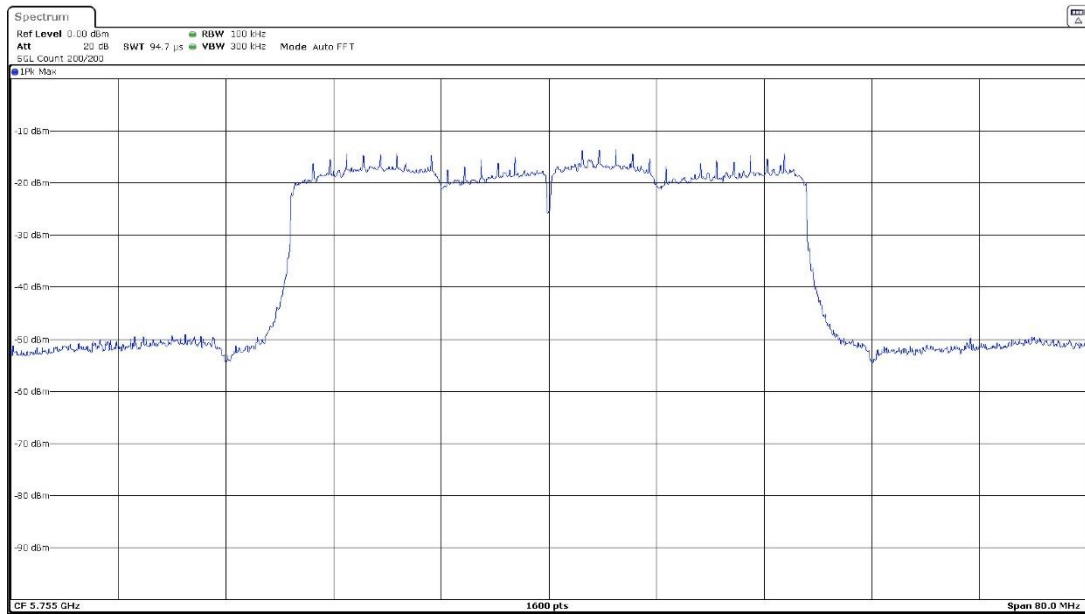
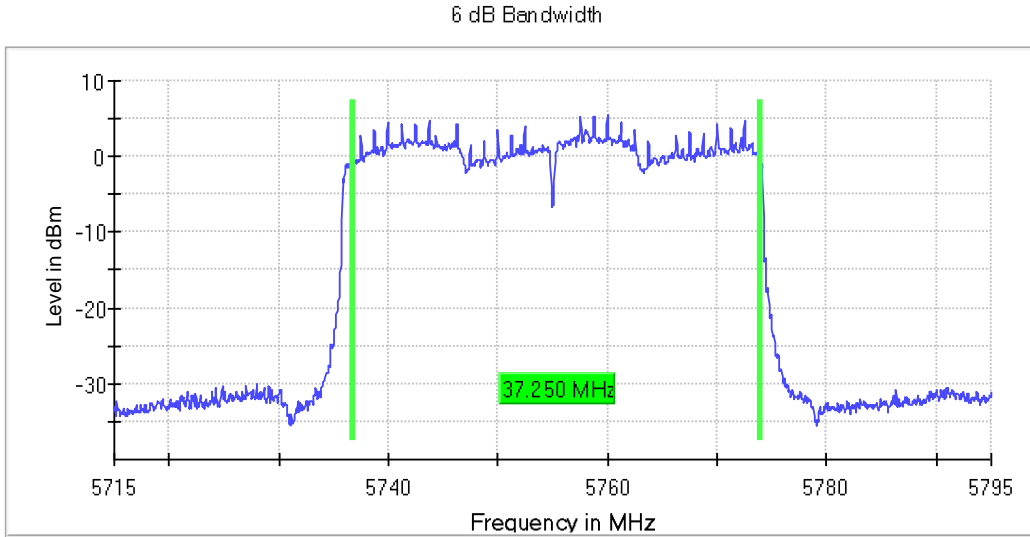
6 dB Bandwidth



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

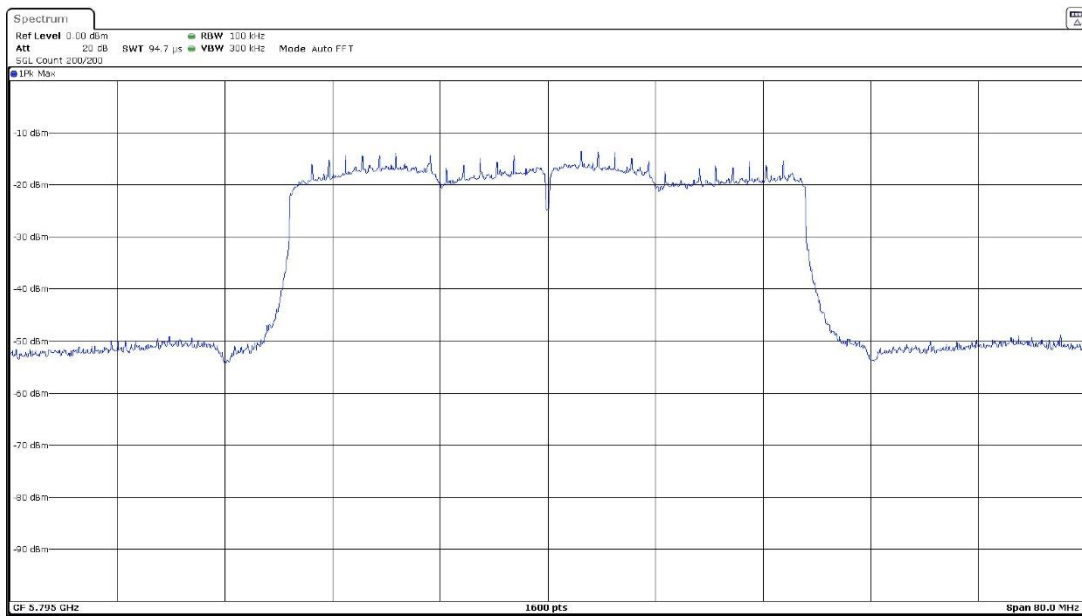
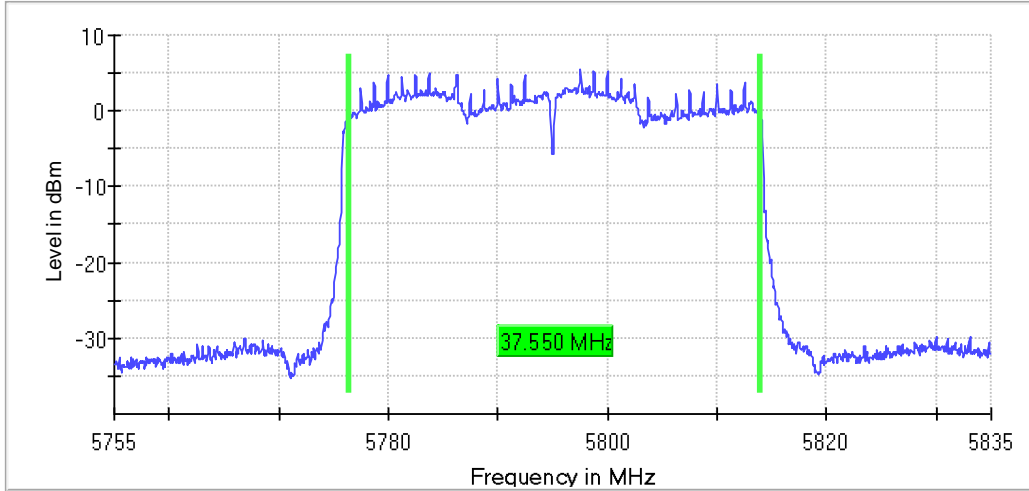
U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):



- High Channel 159 (5795 MHz):

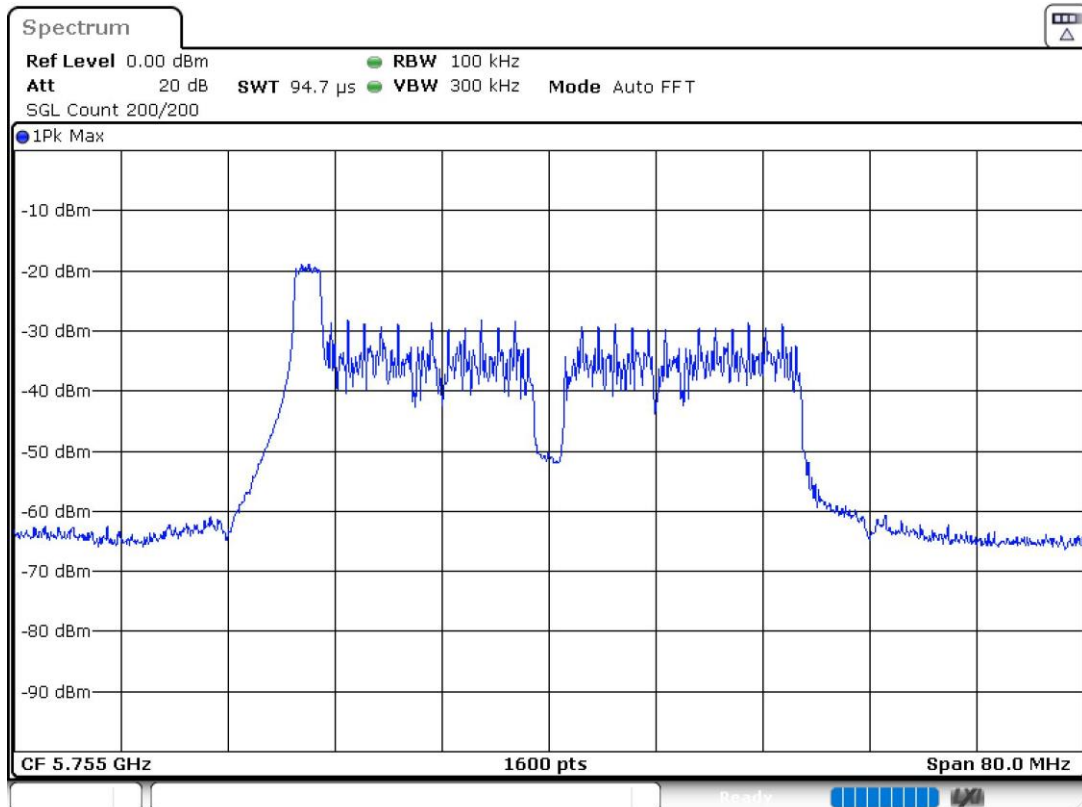
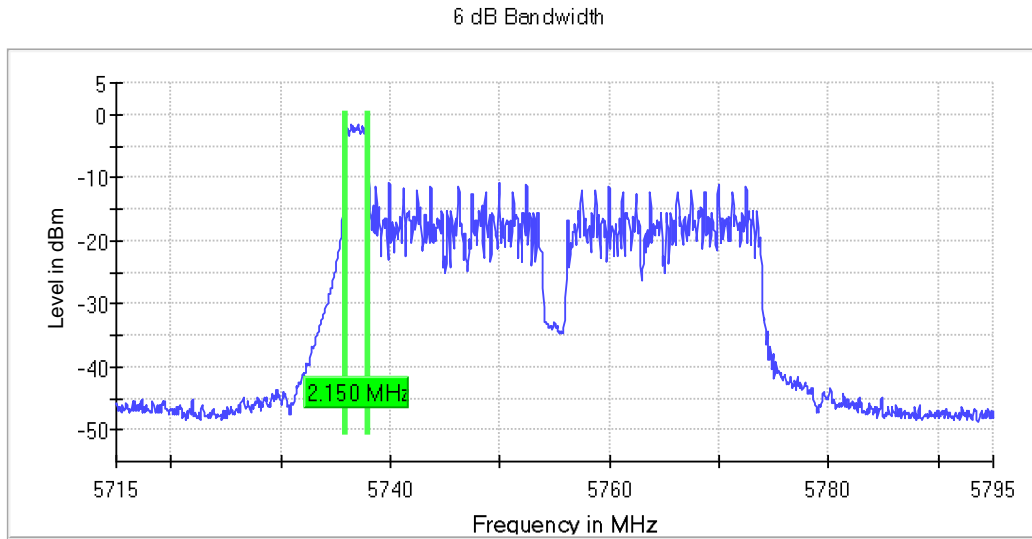
6 dB Bandwidth



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

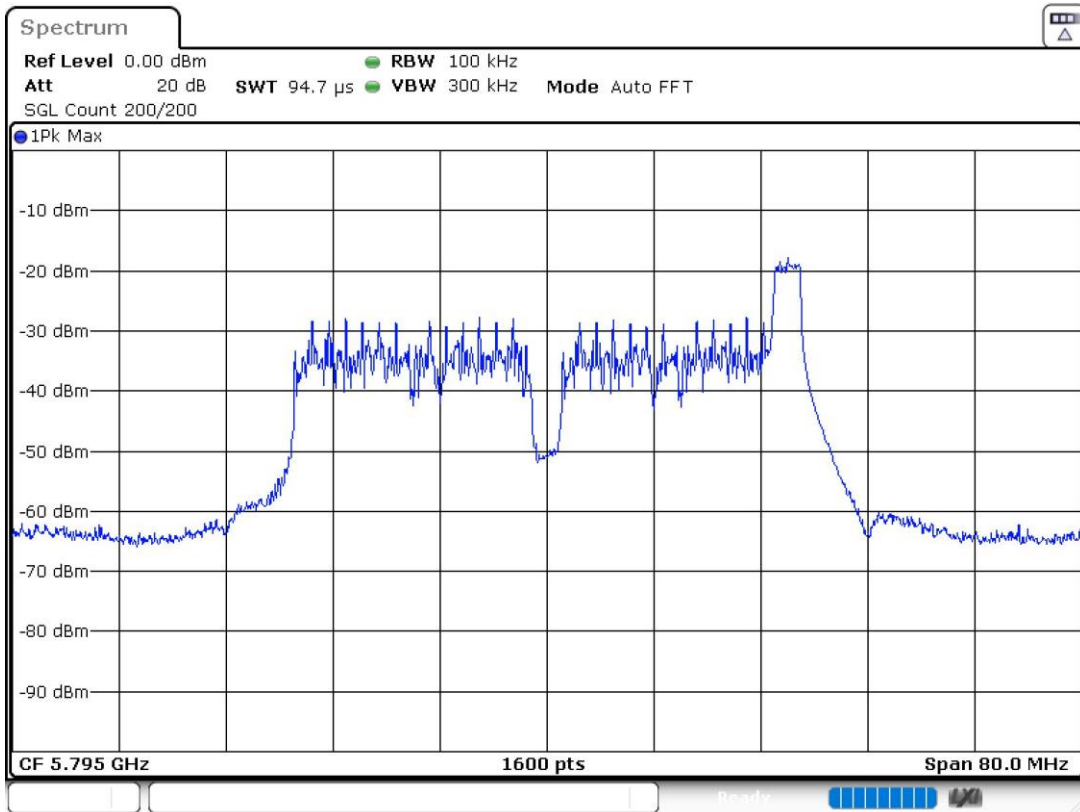
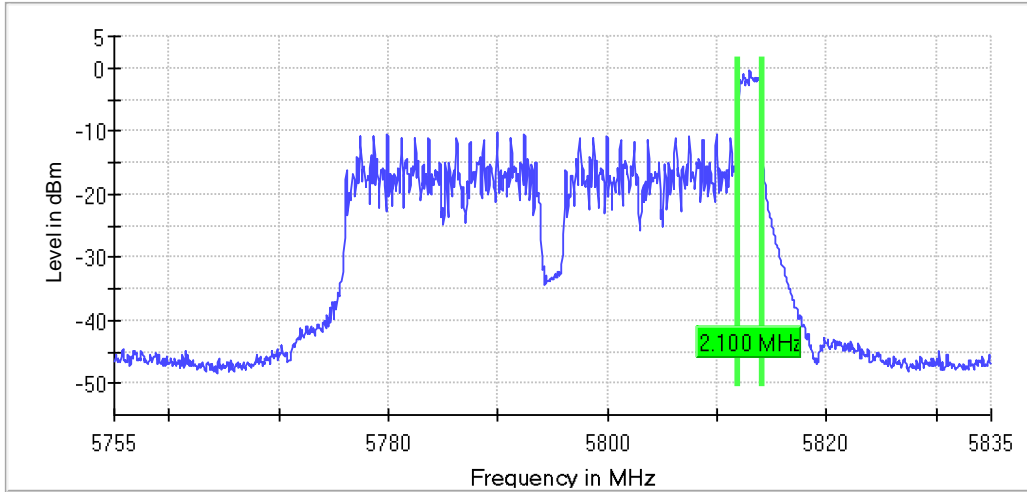
U-NII-3 (5725-5850 MHz)

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



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

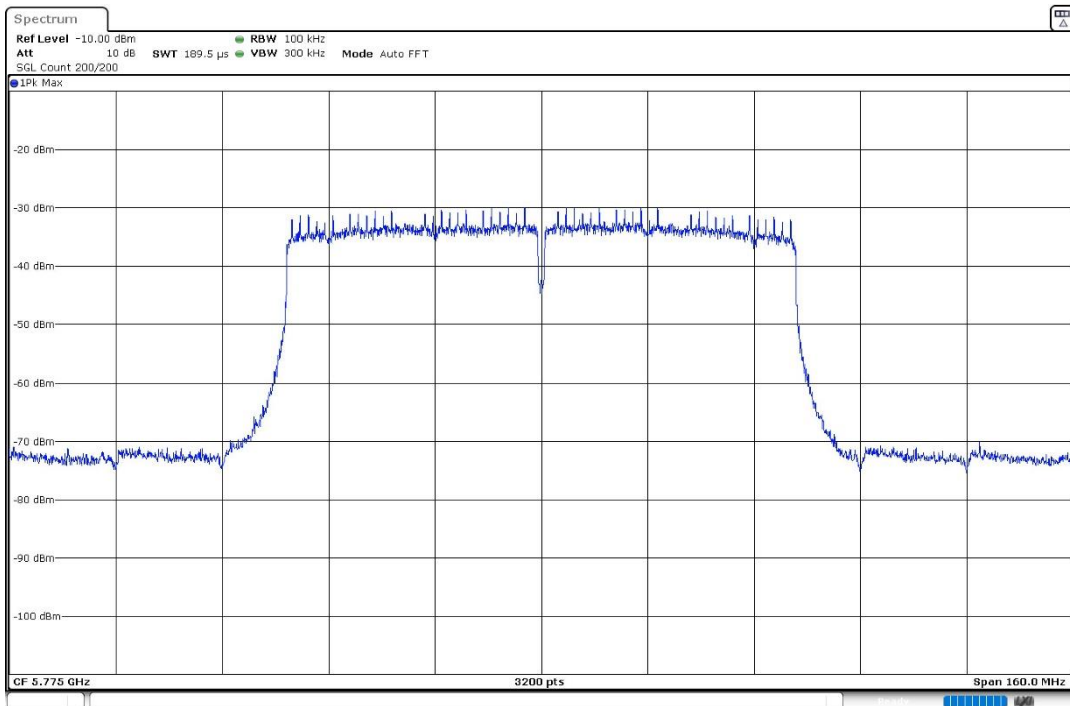
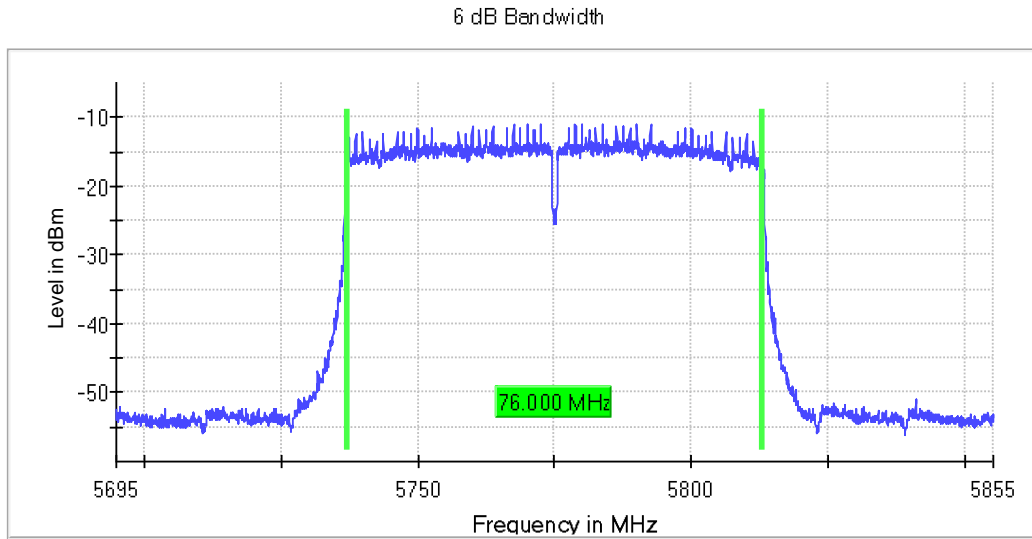
6 dB Bandwidth



MIMO 802.11 ac80 (VHT80):

U-NII-3 (5725-5850 MHz)

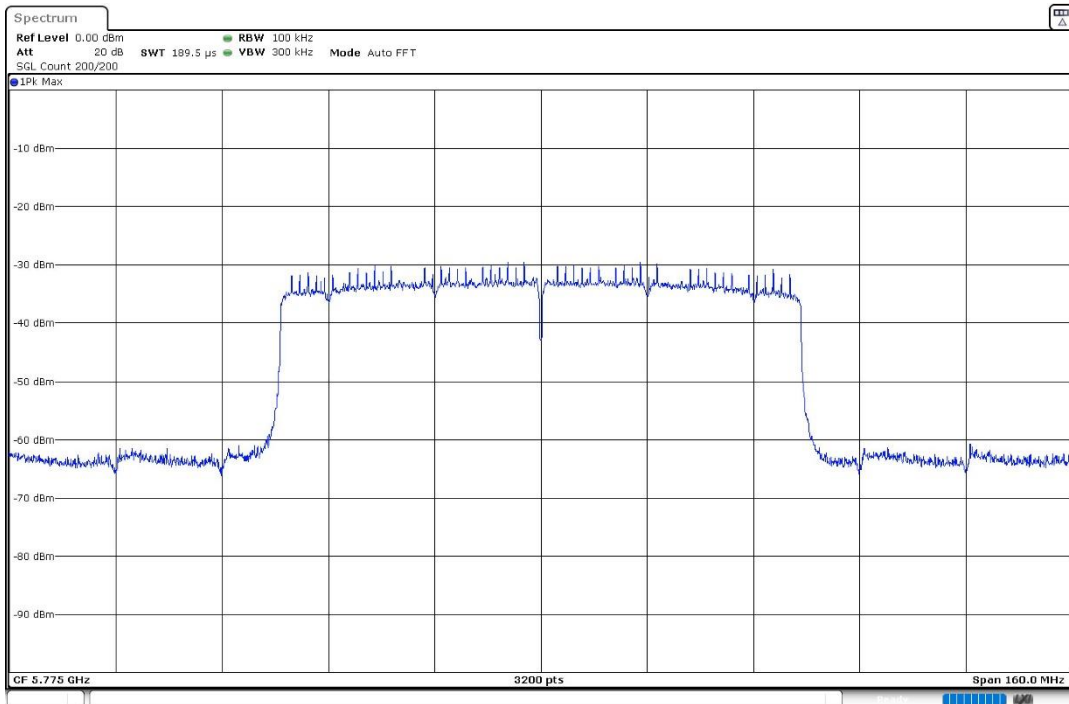
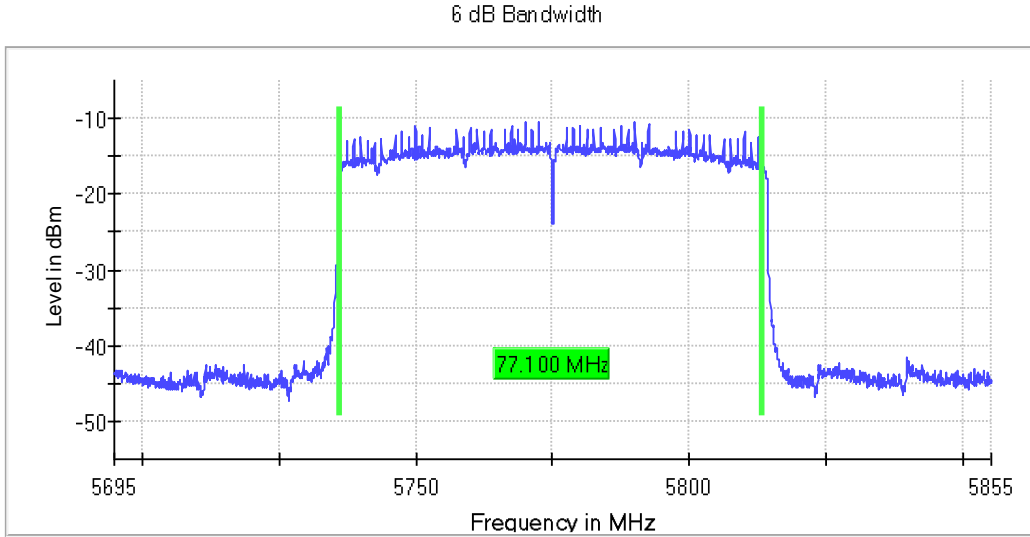
- Single Channel 155 (5775 MHz):



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

U-NII-3 (5725-5850 MHz)

- Single Channel 155 (5775 MHz):



FCC 15.407 (a)(3)(i) Transmitter Maximum Conducted Output Power

SPECIFICATION:

For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

RESULTS:

The maximum conducted output power was measured using the method according to clause E) 3) b) (Method PM-G) of 789033 D02 General UNII Test Procedures New Rules v02r01.

The e.i.r.p. levels are calculated by adding the declared maximum antenna gain (dBi).

Preliminary tests determined the SISO worst case: Chain 1.

Antenna Gain:

- SISO Antenna – Chain 0: +4.46 dBi
- SISO Antenna – Chain 1: +4.46 dBi
- MIMO Antennas – Chain 0 & 1: +4.46 dBi

For all operation modes, the antenna gain is less than 6 dBi.

SISO worst case

SISO 802.11 a20:

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted Power RMS (dBm)	6.633	6.671	7.018
Maximum Power E.I.R.P (dBm)	11.093	11.131	11.478
Measurement uncertainty (dB)	< ±1 dB		

SISO 802.11 n20 (HT20):

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted Power RMS (dBm)	6.423	6.472	6.790
Maximum Power E.I.R.P (dBm)	10.883	10.932	11.250
Measurement uncertainty (dB)	< ±1 dB		

SISO 802.11 ac20 (VHT20):

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted Power RMS (dBm)	5.101	4.980	5.904
Maximum Power E.I.R.P (dBm)	9.561	9.440	10.364
Measurement uncertainty (dB)	< ±1 dB		

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

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted Power RMS (dBm)	6.500	6.510	6.873
Maximum Power E.I.R.P (dBm)	10.960	10.970	11.333
Measurement uncertainty (dB)	< ±1 dB		

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-3 (5725-5850 MHz):

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted Power RMS (dBm)	7.068	6.610	7.253
Maximum Power E.I.R.P (dBm)	11.528	11.070	11.713
Measurement uncertainty (dB)	< ±1 dB		

SISO 802.11 n40 (HT40):

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Conducted Power RMS (dBm)	6.670	6.828
Maximum Power E.I.R.P (dBm)	11.130	11.288
Measurement uncertainty (dB)	< ±1 dB	

SISO 802.11 ac40 (VHT40):

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Conducted Power RMS (dBm)	6.740	6.904
Maximum Power E.I.R.P (dBm)	11.200	11.364
Measurement uncertainty (dB)	< ±1 dB	

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

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Conducted Power RMS (dBm)	6.593	6.807
Maximum Power E.I.R.P (dBm)	11.053	11.267
Measurement uncertainty (dB)	< ±1 dB	

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-3 (5725-5850 MHz):

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Conducted Power RMS (dBm)	7.146	6.922
Maximum Power E.I.R.P (dBm)	11.606	11.382
Measurement uncertainty (dB)	< ±1 dB	

SISO 802.11 ac80 (VHT80):

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

Channel	Single Channel 155 (5775 MHz)
Maximum Conducted Power RMS (dBm)	6.476
Maximum Power E.I.R.P (dBm)	10.936
Measurement uncertainty (dB)	< ±1 dB

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

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

Channel	Single Channel 155 (5775 MHz)
Maximum Conducted Power RMS (dBm)	6.486
Maximum Power E.I.R.P (dBm)	10.946
Measurement uncertainty (dB)	< ±1 dB

Verdict: PASS

MIMO

MIMO 802.11 a20:

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted Power RMS (dBm)	5.948	6.325	6.273
Maximum Power E.I.R.P (dBm)	10.408	10.785	10.733
Measurement uncertainty (dB)	< ±1		

MIMO 802.11 n20 (HT20):

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted Power RMS (dBm)	5.764	6.099	6.063
Maximum Power E.I.R.P (dBm)	10.224	10.559	10.523
Measurement uncertainty (dB)	< ±1		

MIMO 802.11 ac20 (VHT20):

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted Power RMS (dBm)	5.724	6.122	6.107
Maximum Power E.I.R.P (dBm)	10.184	10.582	10.567
Measurement uncertainty (dB)	< ±1		

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

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted Power RMS (dBm)	4.882	4.718	5.373
Maximum Power E.I.R.P (dBm)	9.342	9.178	9.833
Measurement uncertainty (dB)	< ±1		

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-3 (5725-5850 MHz):

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted Power RMS (dBm)	5.841	5.794	6.052
Maximum Power E.I.R.P (dBm)	10.301	10.254	10.512
Measurement uncertainty (dB)	< ±1		

MIMO 802.11 n40 (HT40):

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Conducted Power RMS (dBm)	6.211	6.436
Maximum Power E.I.R.P (dBm)	10.671	10.896
Measurement uncertainty (dB)	< ±1	

MIMO 802.11 ac40 (VHT40):

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Conducted Power RMS (dBm)	6.198	6.459
Maximum Power E.I.R.P (dBm)	10.658	10.919
Measurement uncertainty (dB)	< ±1	

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

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Conducted Power RMS (dBm)	5.028	4.933
Maximum Power E.I.R.P (dBm)	9.488	9.393
Measurement uncertainty (dB)	< ±1	

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-3 (5725-5850 MHz):

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Conducted Power RMS (dBm)	6.129	6.096
Maximum Power E.I.R.P (dBm)	10.589	10.556
Measurement uncertainty (dB)	< ±1	

MIMO 802.11 ac80 (VHT80):

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

Channel	Single Channel 155 (5775 MHz)
Maximum Conducted Power RMS (dBm)	6.167
Maximum Power E.I.R.P (dBm)	10.627
Measurement uncertainty (dB)	< ±1

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

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

Channel	Single Channel 155 (5775 MHz)
Maximum Conducted Power RMS (dBm)	4.871
Maximum Power E.I.R.P (dBm)	9.331
Measurement uncertainty (dB)	< ±1

Verdict: PASS

FCC 15.407 (a)(3)(i) Transmitter Maximum Power Spectral Density

SPECIFICATION:

For the band 5.725-5.850 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

RESULTS:

The maximum Power Spectral Density (PSD) was measured using the method according to clause F) referencing E.2.b) (Method SA-1) of Guidance 789033 D02 General UNII Test Procedures New Rules v02r01.

The result of PSD was measured by setting a marker on the peak of the signal on the spectrum analyzer. The results are in the tables below.

Antenna Gain:

- SISO Antenna – Chain 0: +4.46 dBi
- SISO Antenna – Chain 1: +4.46 dBi
- MIMO Antennas – Chain 0 & 1:

Calculation according to KDB 662911 D01 v02r01 Section F)2)f)i).

PSD Antenna Gain (MIMO): + 7.47 dBi

For all SISO operation modes, the antenna gain is less than 6 dBi.

For MIMO CDD operation modes, the limit was reduced by the amount in dB the antenna gain exceeds 6 dBi. The limit is reduced by 1.47 dB to 28.53 dBm in a 500kHz band.

Preliminary tests determined the SISO worst case: Chain 1.

SISO worst case

SISO 802.11 a20:

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted PSD (dBm/500kHz)	-8.236	-7.962	-7.597
Measurement uncertainty (dB)	< ±1.3		

SISO 802.11 n20 (HT20):

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted PSD (dBm/500kHz)	-8.621	-8.287	-7.963
Measurement uncertainty (dB)	< ±1.3		

SISO 802.11 ac20 (VHT20):

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted PSD (dBm/500kHz)	-9.876	-9.686	-8.595
Measurement uncertainty (dB)	< ±1.3		

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

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted PSD (dBm/500kHz)	-8.956	-8.714	-8.310
Measurement uncertainty (dB)	< ±1.3		

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-3 (5725-5850 MHz):

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted PSD (dBm/500kHz)	1.078	0.642	1.621
Measurement uncertainty (dB)	< ±1.3		

SISO 802.11 n40 (HT40):

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Conducted PSD (dBm/500kHz)	-11.350	-10.940
Measurement uncertainty (dB)	< ±1.3	

SISO 802.11 ac40 (VHT40):

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Conducted PSD (dBm/500kHz)	-11.256	-10.868
Measurement uncertainty (dB)	< ±1.3	

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

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Conducted PSD (dBm/500kHz)	-11.590	-11.091
Measurement uncertainty (dB)	< ±1.3	

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-3 (5725-5850 MHz):

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Conducted PSD (dBm/500kHz)	1.180	1.334
Measurement uncertainty (dB)	< ±1.3	

SISO 802.11 ac80 (VHT80):

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

Channel	Single Channel 155 (5775 MHz)
Maximum Conducted PSD (dBm/500kHz)	-14.482
Measurement uncertainty (dB)	< ±1.3

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

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

Channel	Single Channel 155 (5775 MHz)
Maximum Conducted PSD (dBm/500kHz)	-14.539
Measurement uncertainty (dB)	< ±1.3

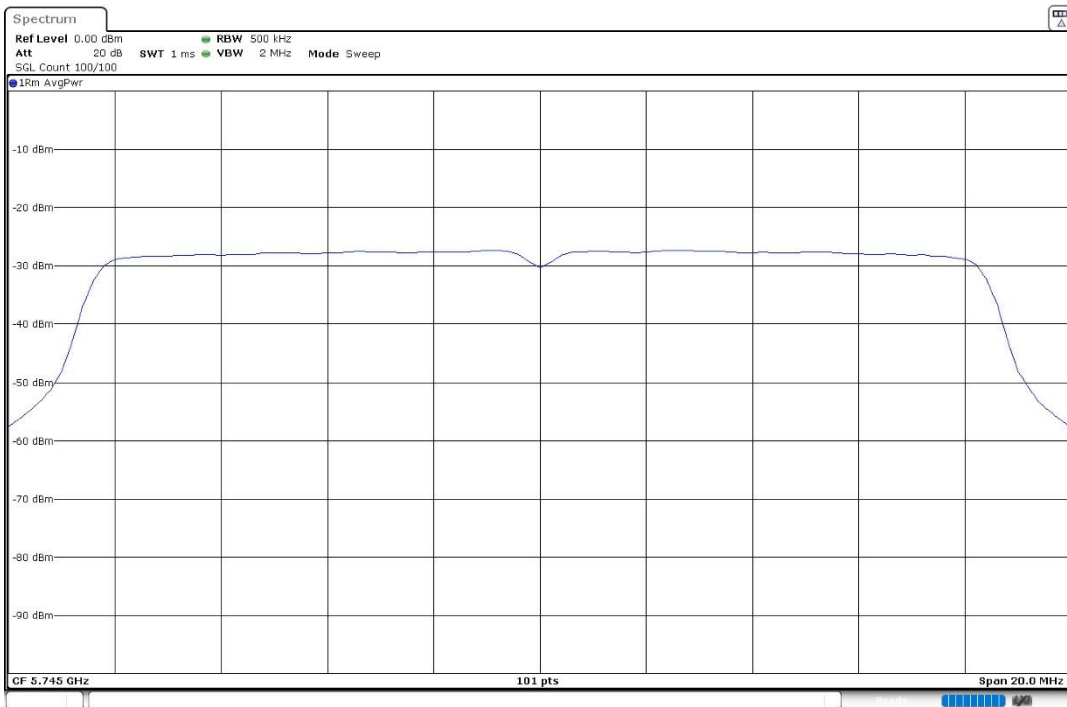
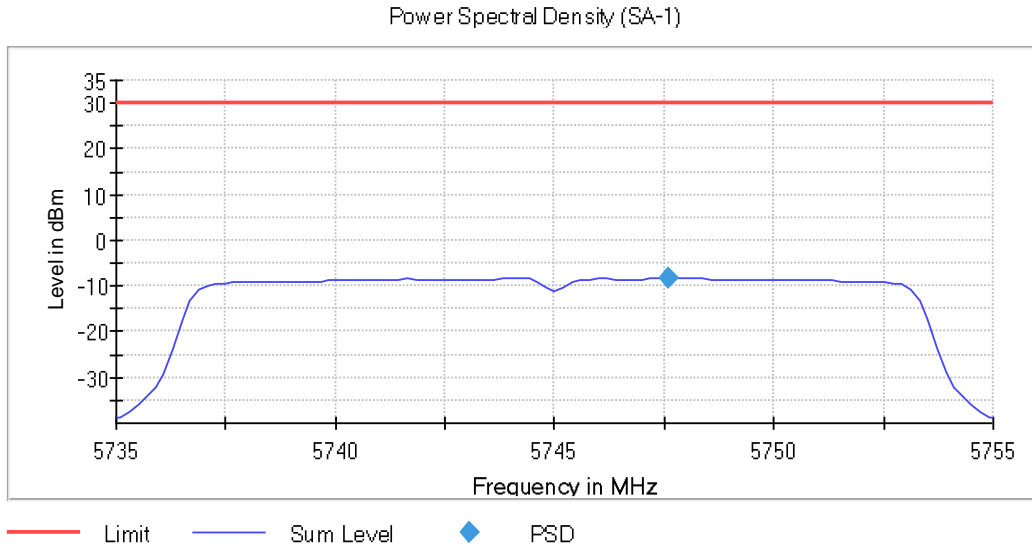
Verdict: PASS

SISO worst case

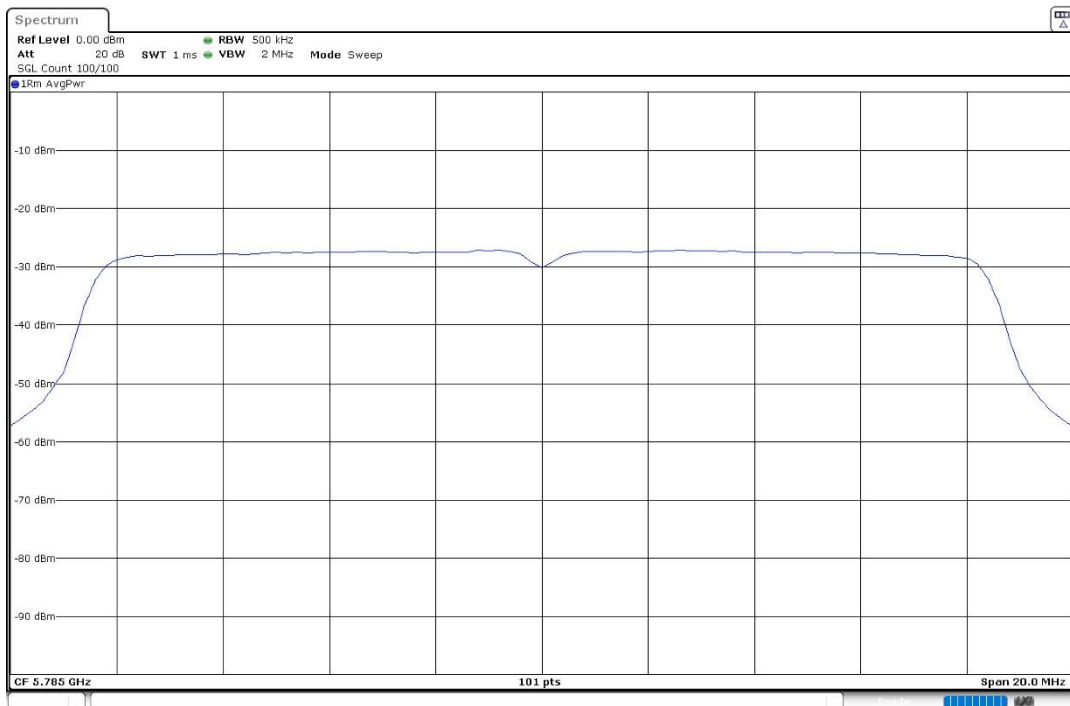
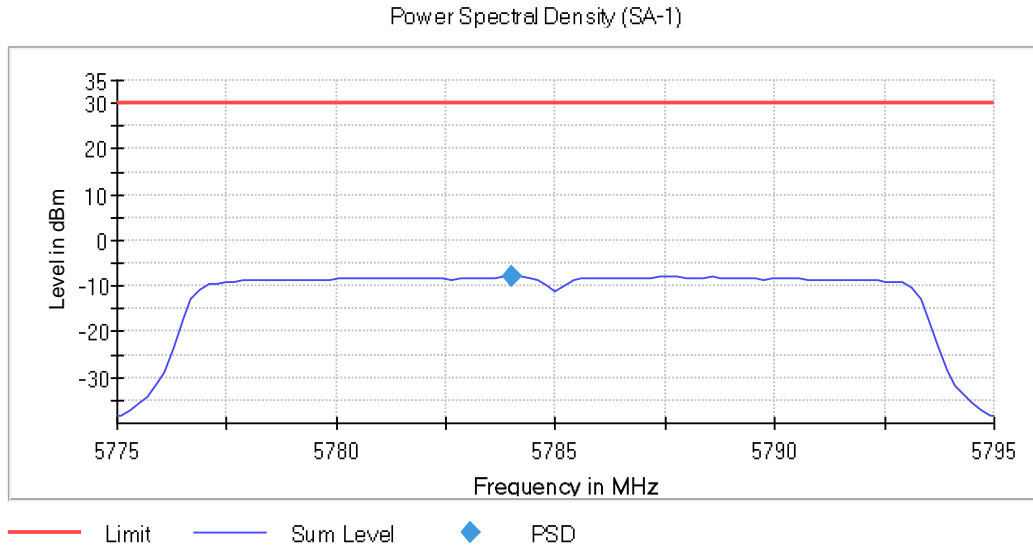
SISO 802.11 a20:

U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):

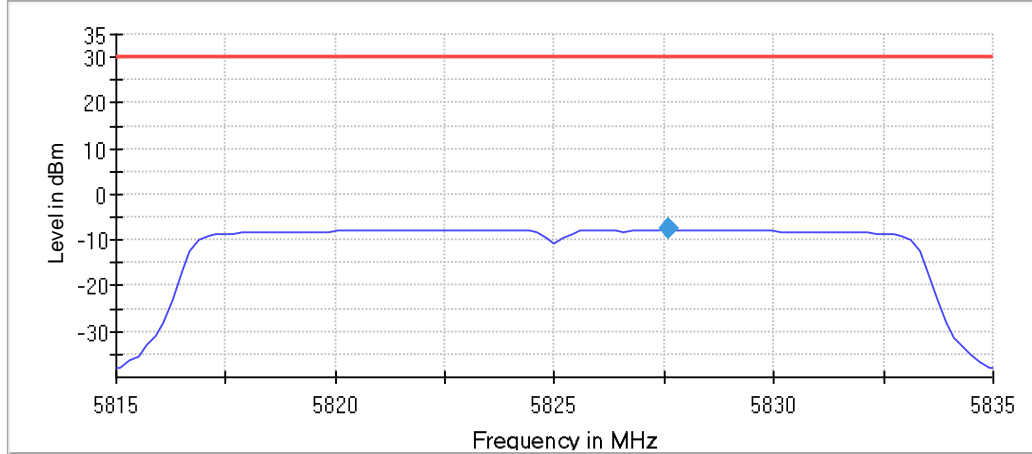


- Middle Channel 157 (5785 MHz):

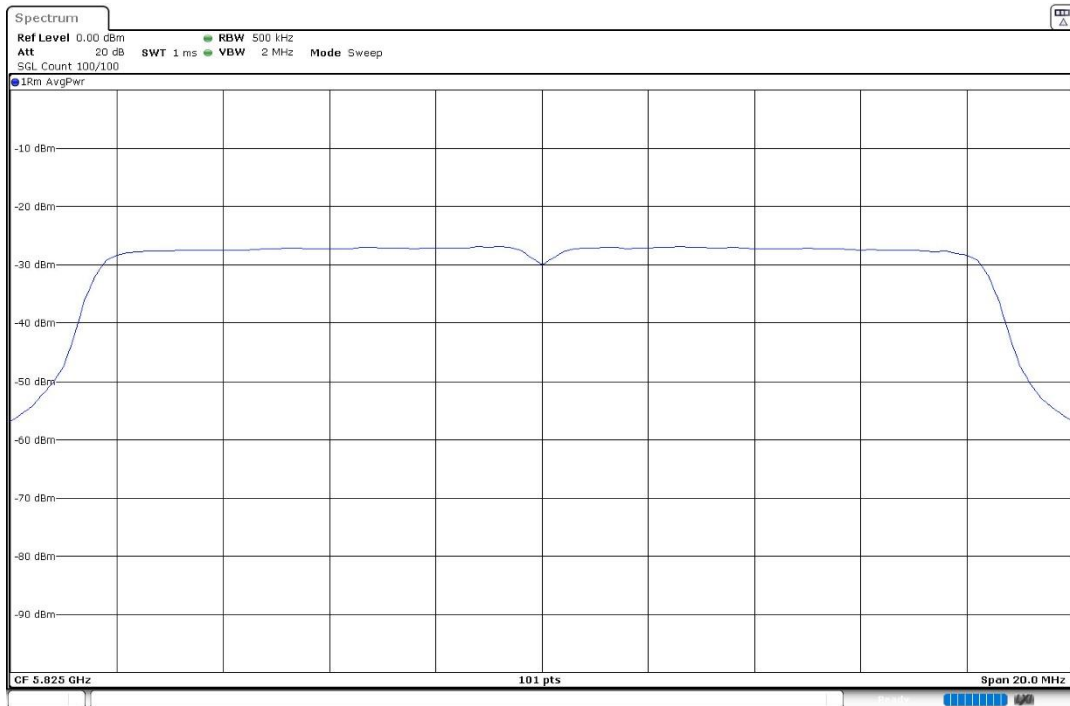


- High Channel 165 (5825 MHz):

Power Spectral Density (SA-1)



— Limit — Sum Level ◆ PSD

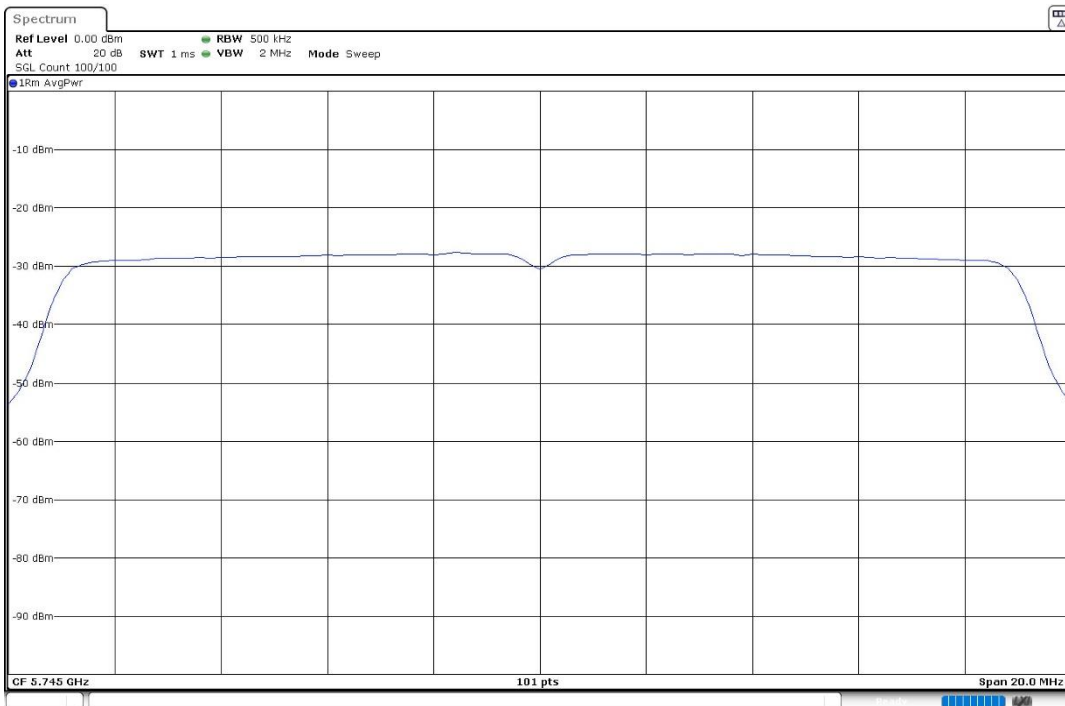
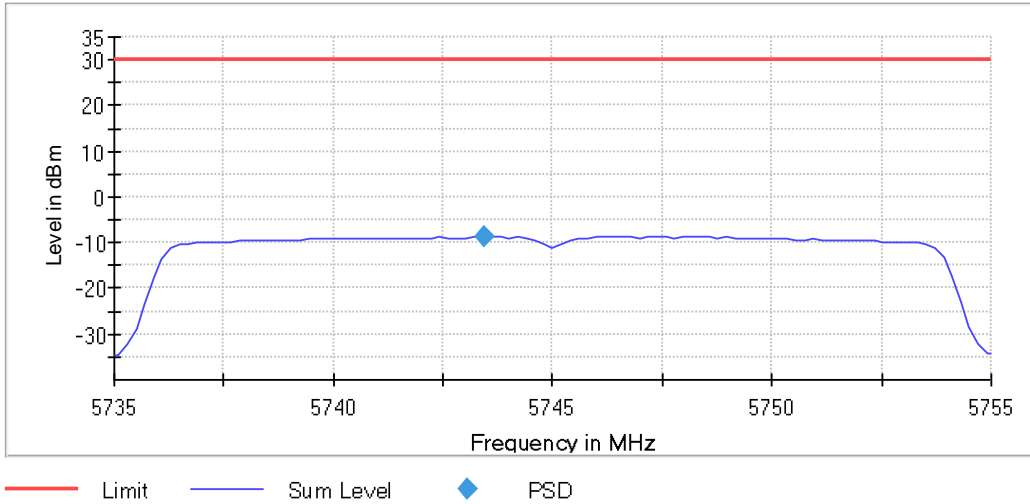


SISO 802.11 n20 (HT20):

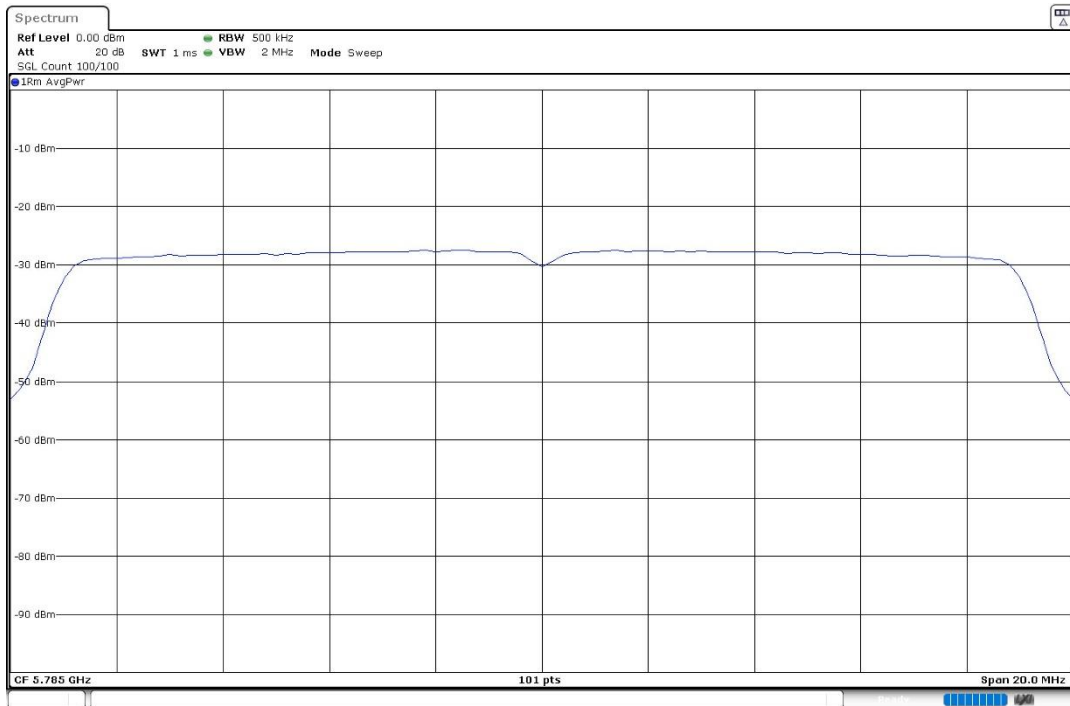
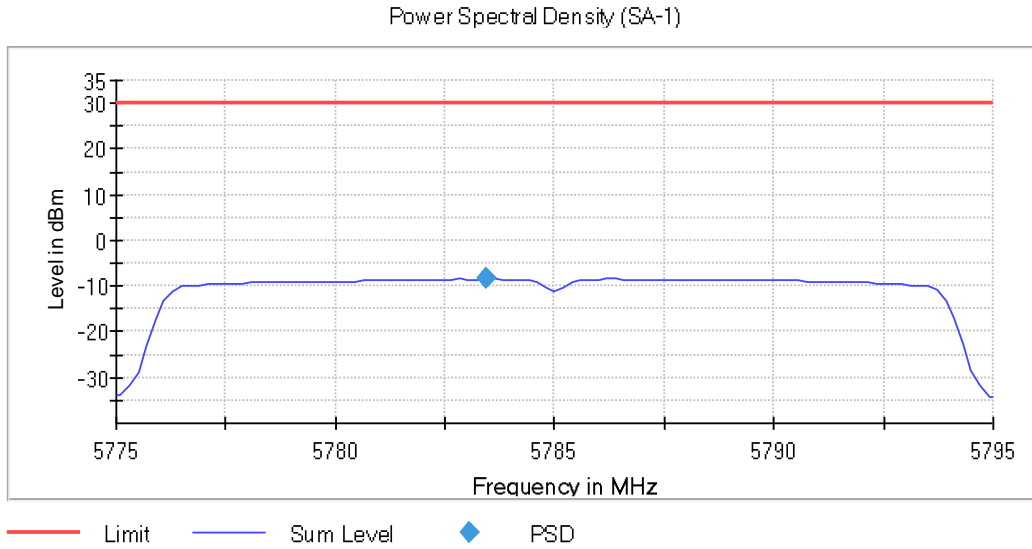
U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):

Power Spectral Density (SA-1)

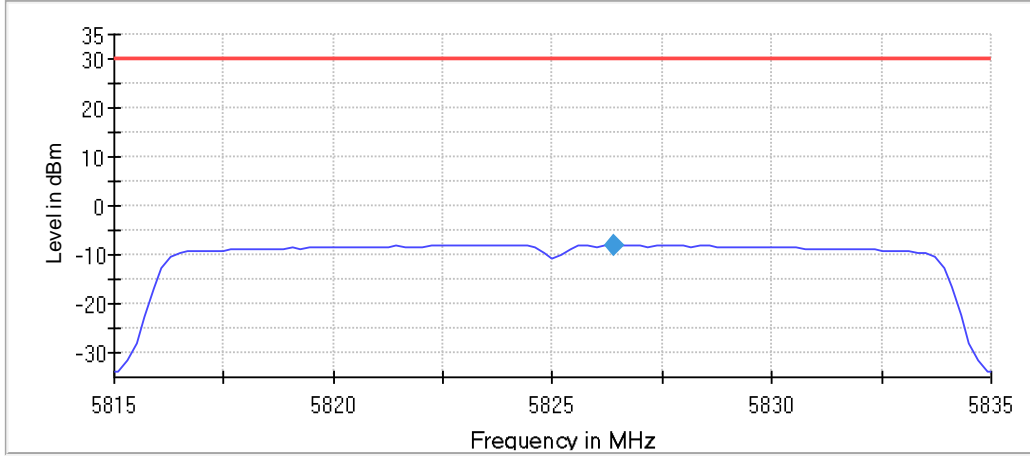


- Middle Channel 157 (5785 MHz):

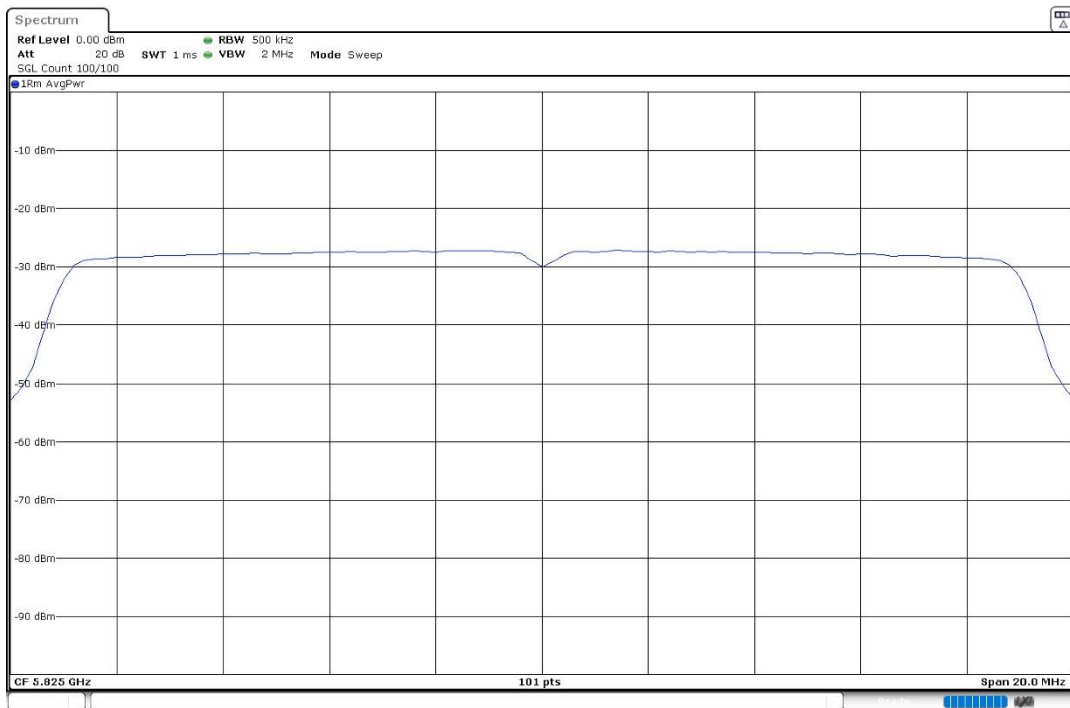


- High Channel 165 (5825 MHz):

Power Spectral Density (SA-1)



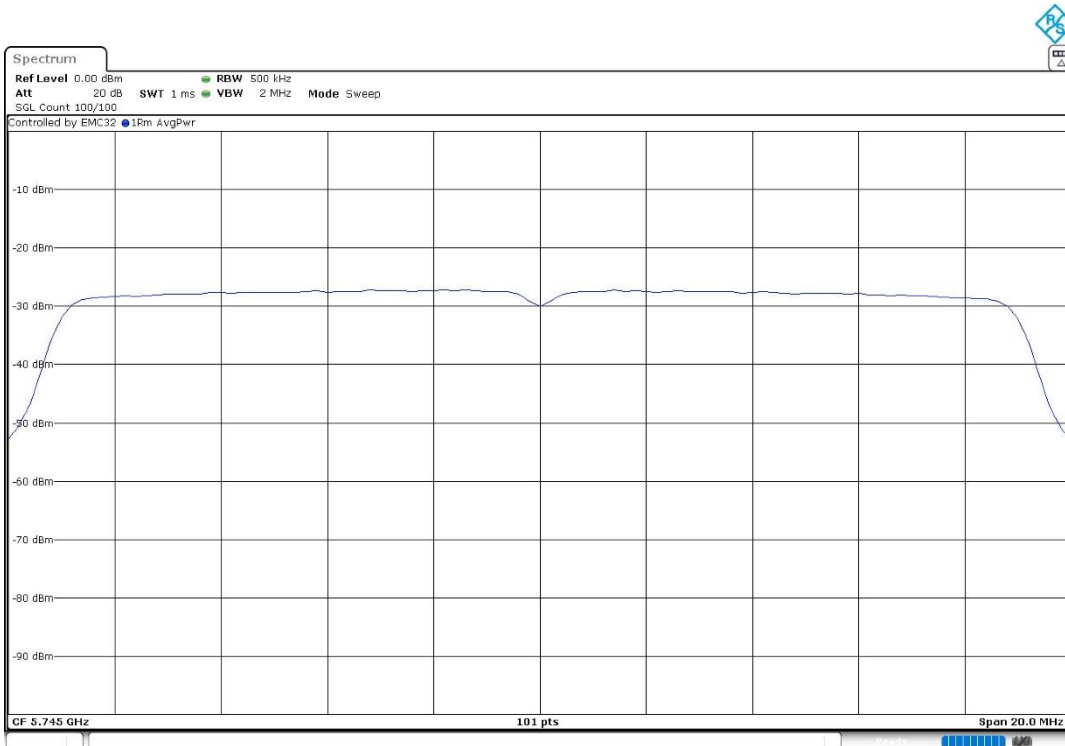
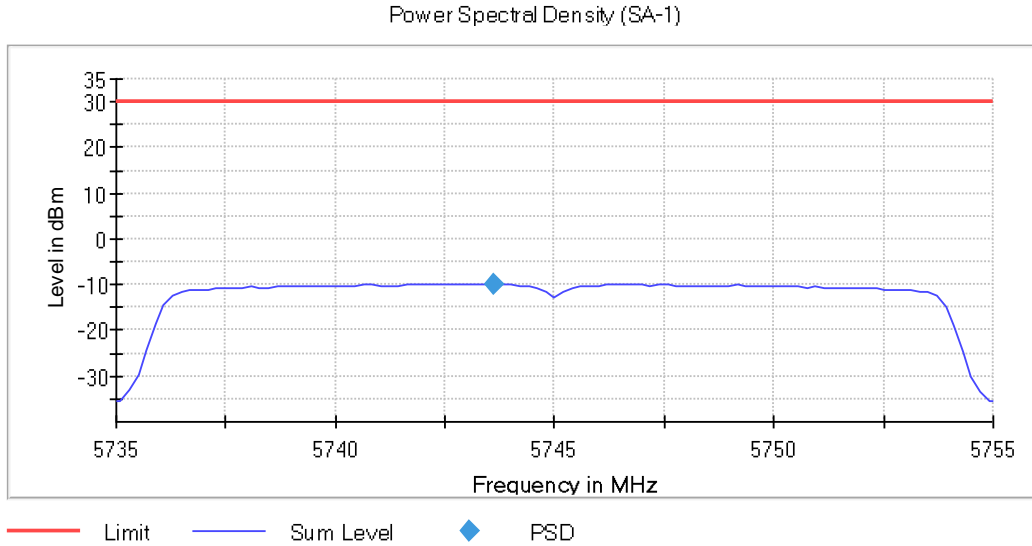
— Limit — Sum Level ◆ PSD



SISO 802.11 ac20 (VHT20):

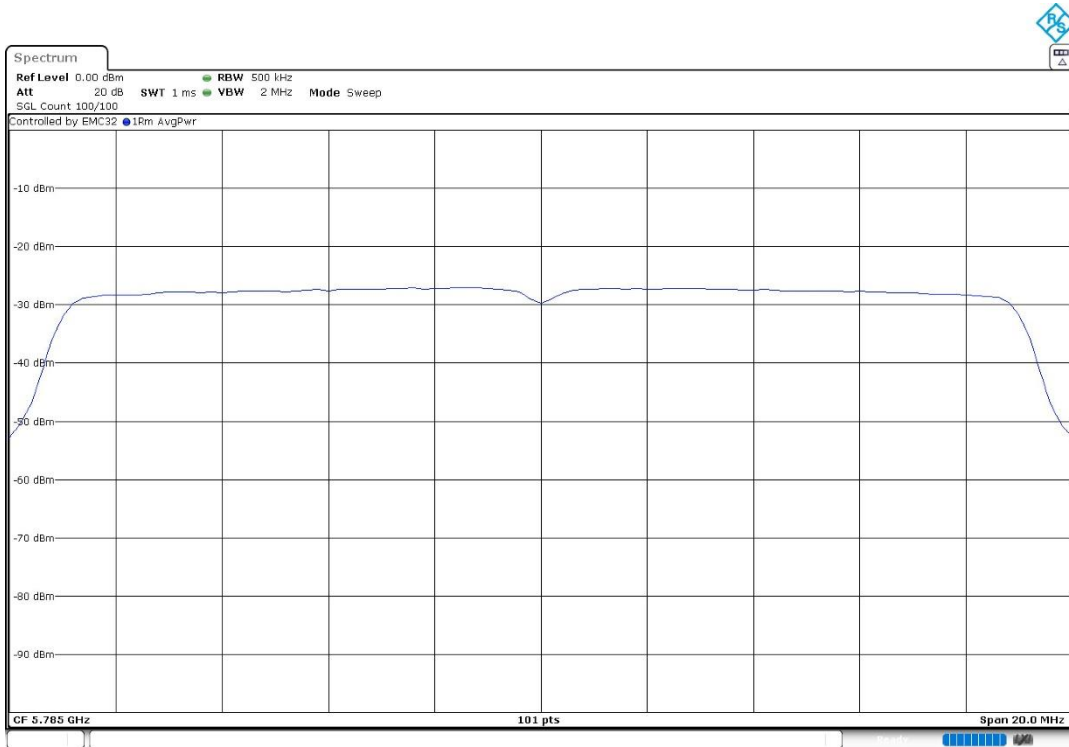
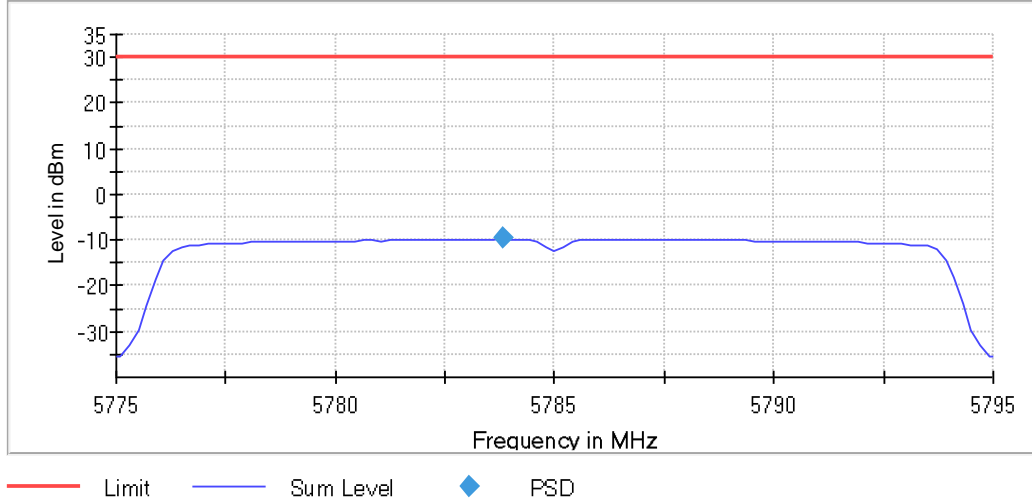
U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):

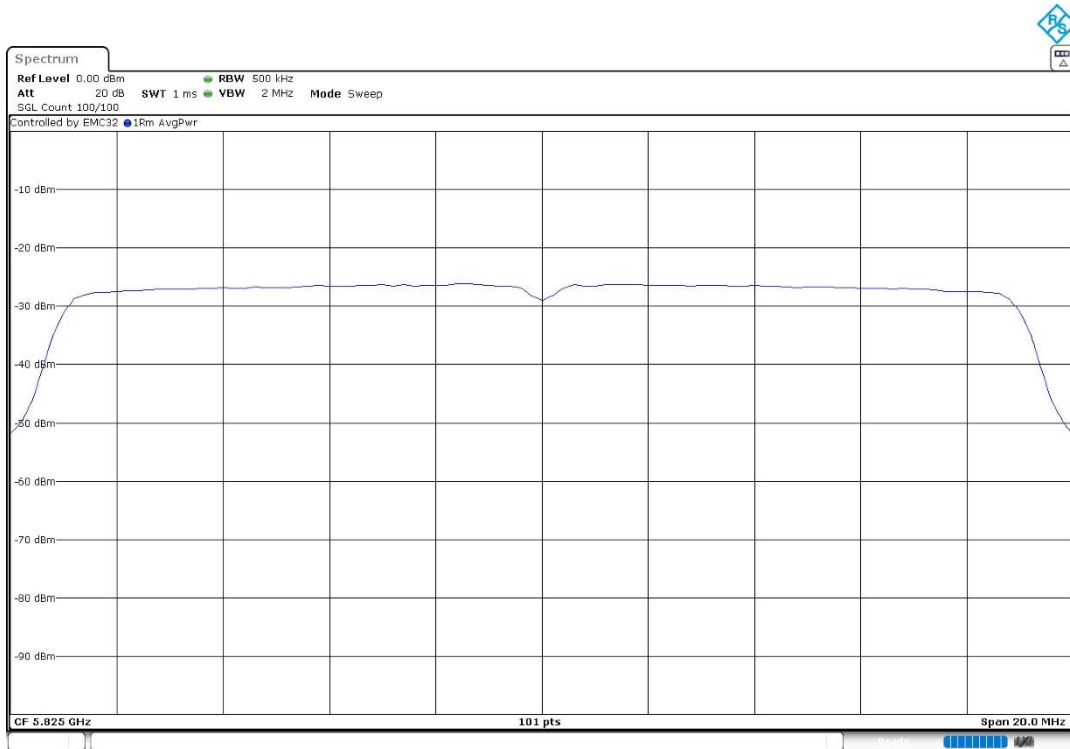
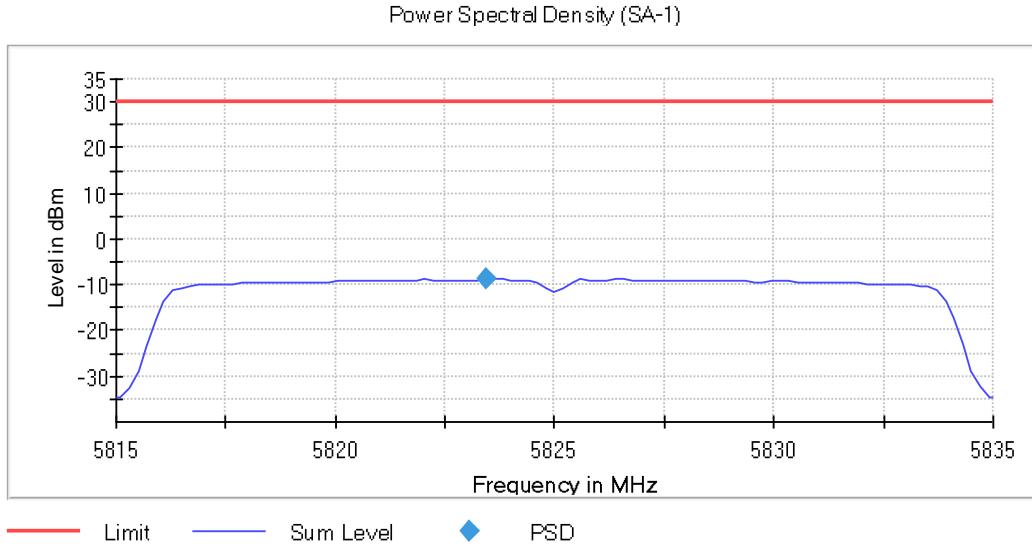


- Middle Channel 157 (5785 MHz):

Power Spectral Density (SA-1)



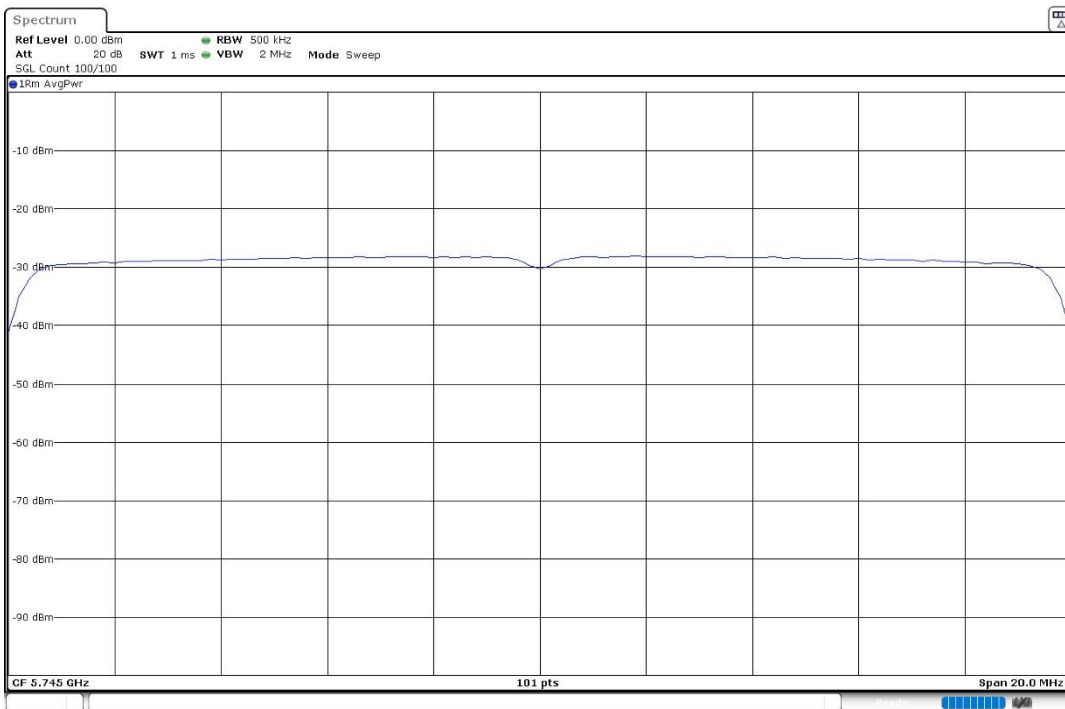
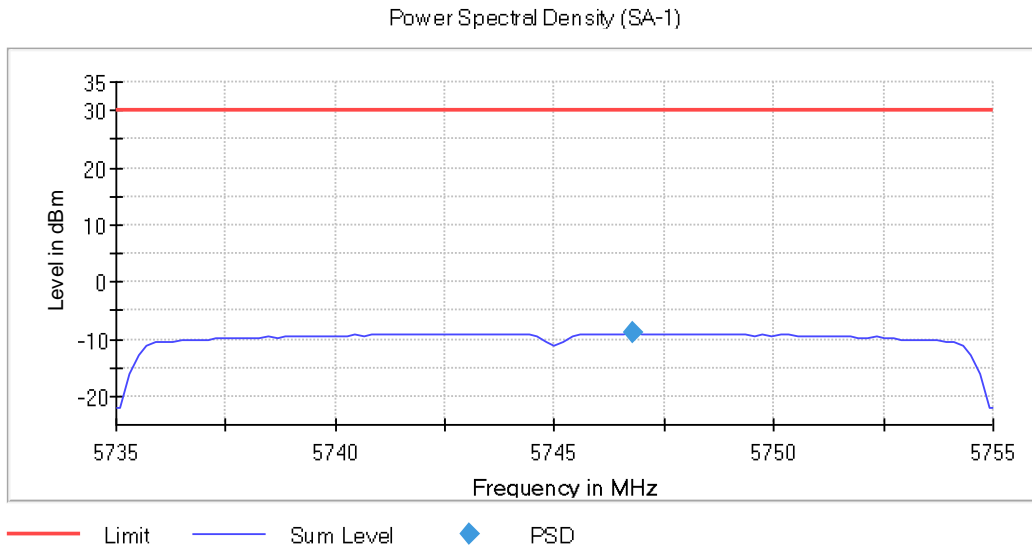
- High Channel 165 (5825 MHz):



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

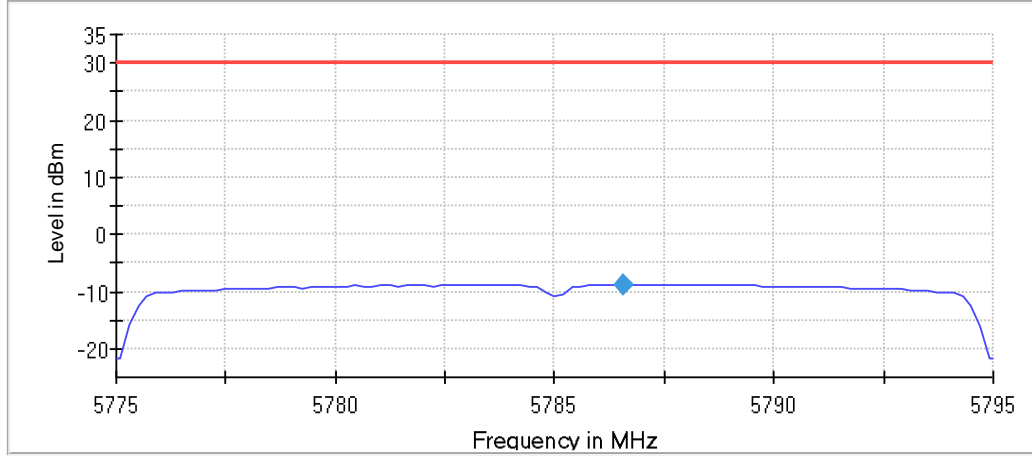
U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):

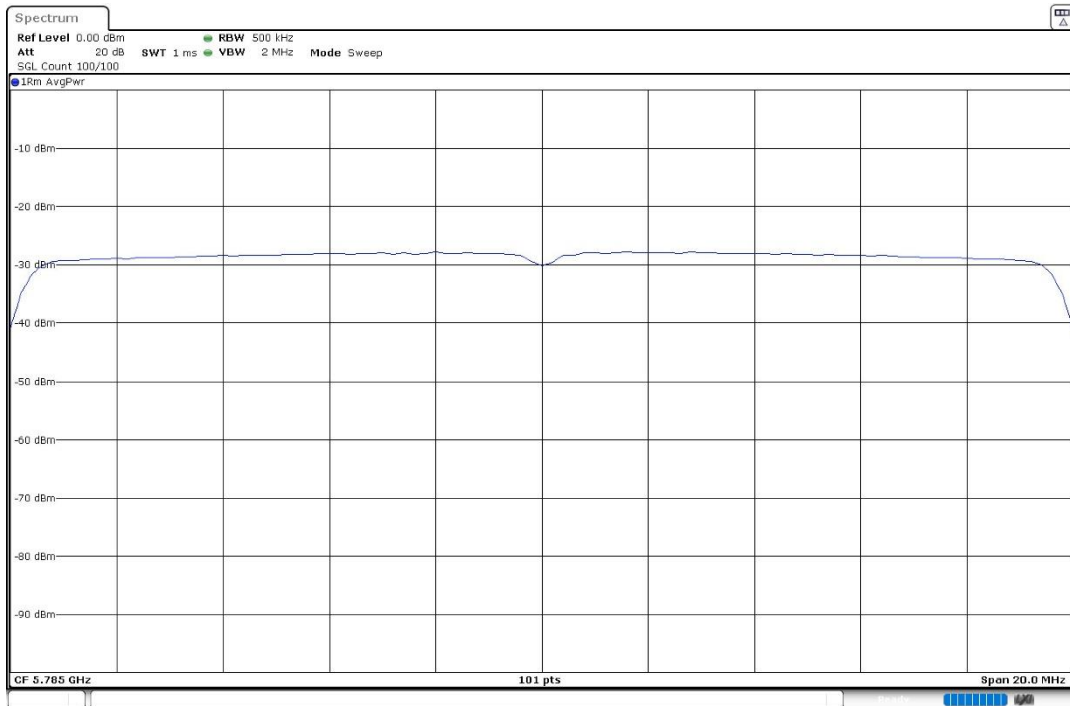


- Middle Channel 157 (5785 MHz):

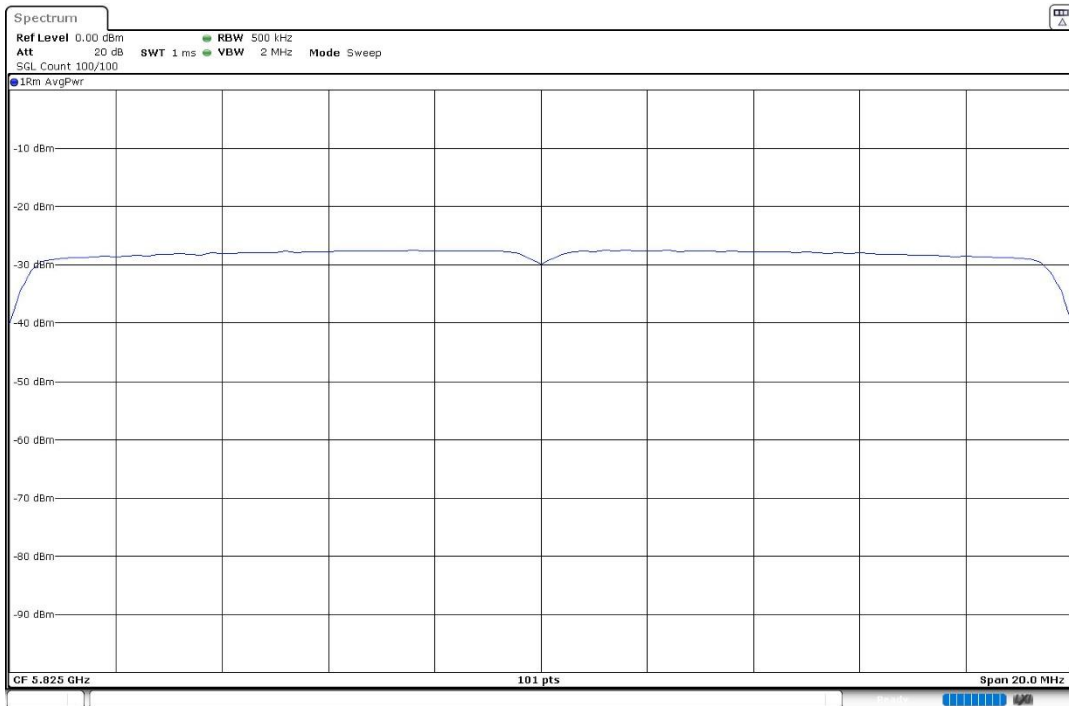
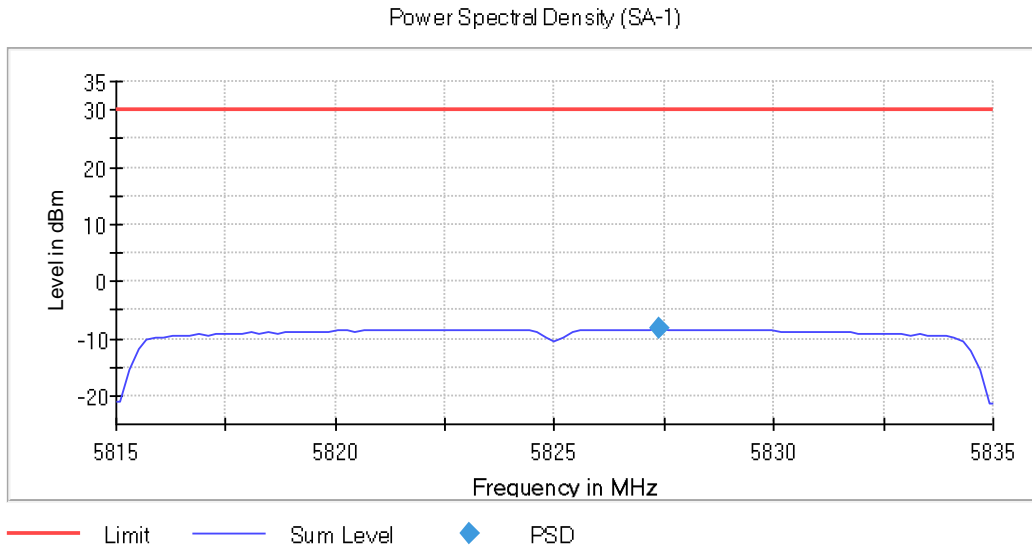
Power Spectral Density (SA-1)



— Limit — Sum Level ◆ PSD



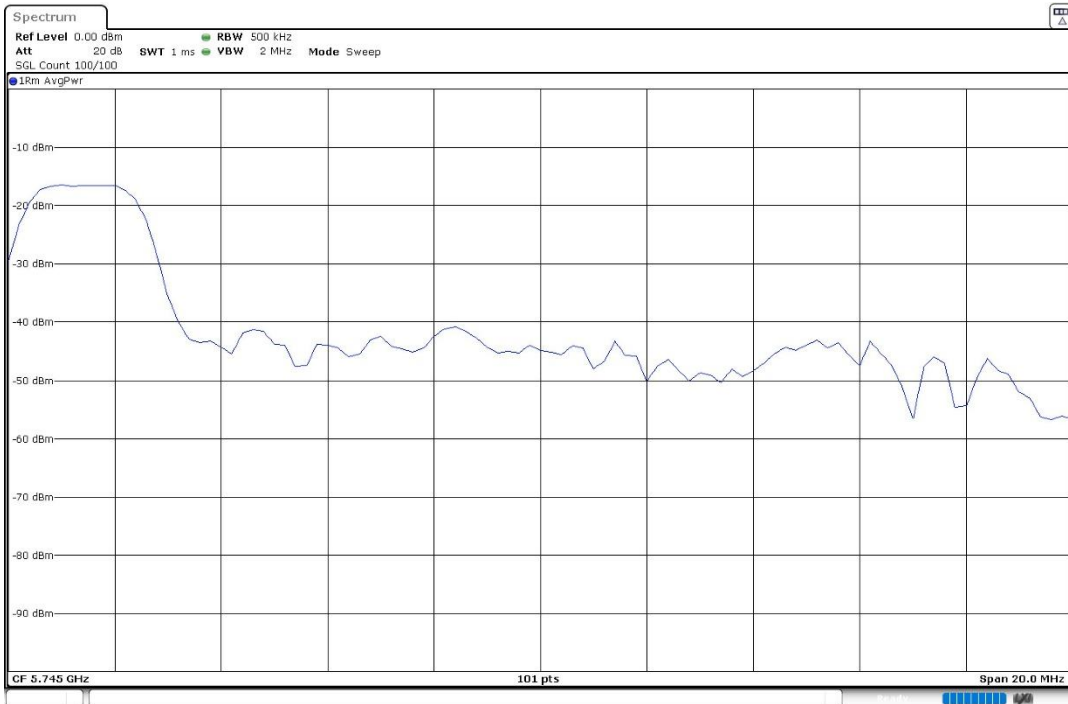
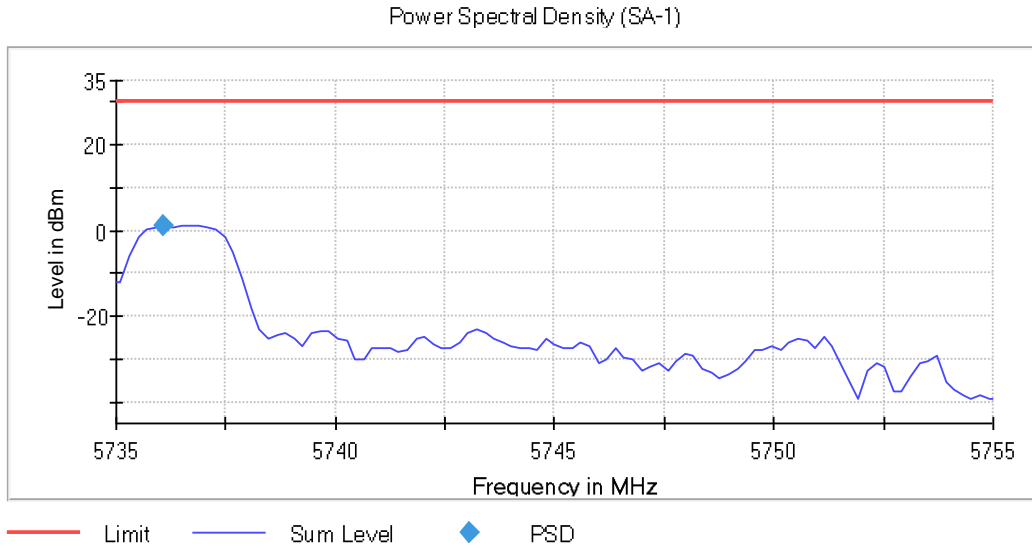
- High Channel 165 (5825 MHz):



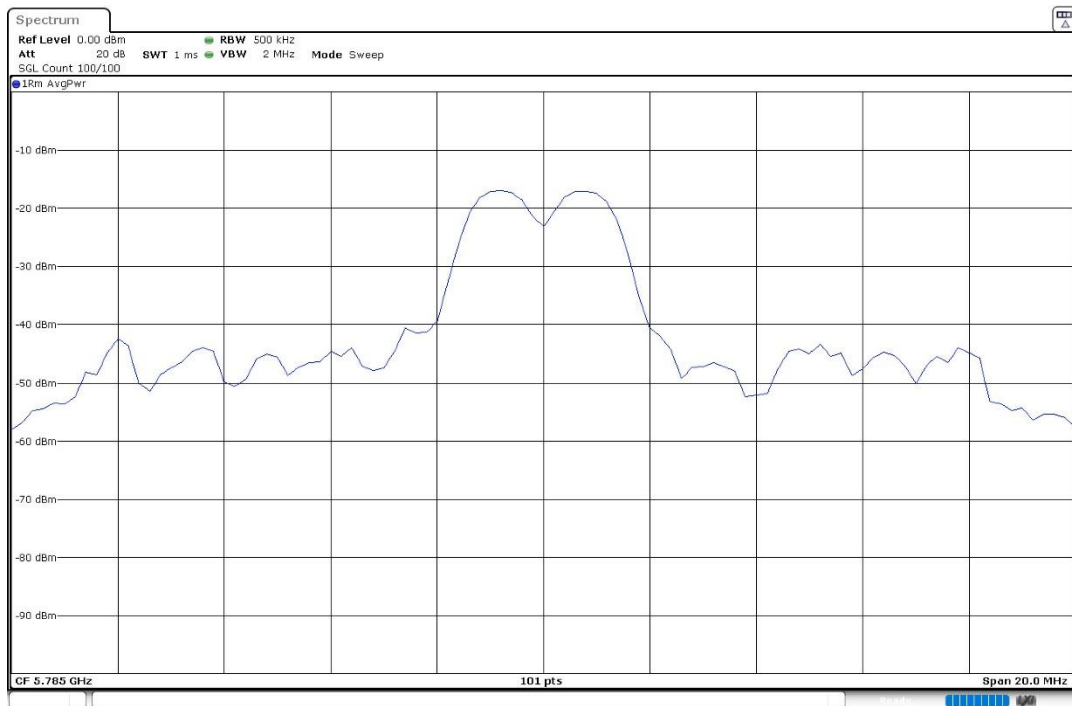
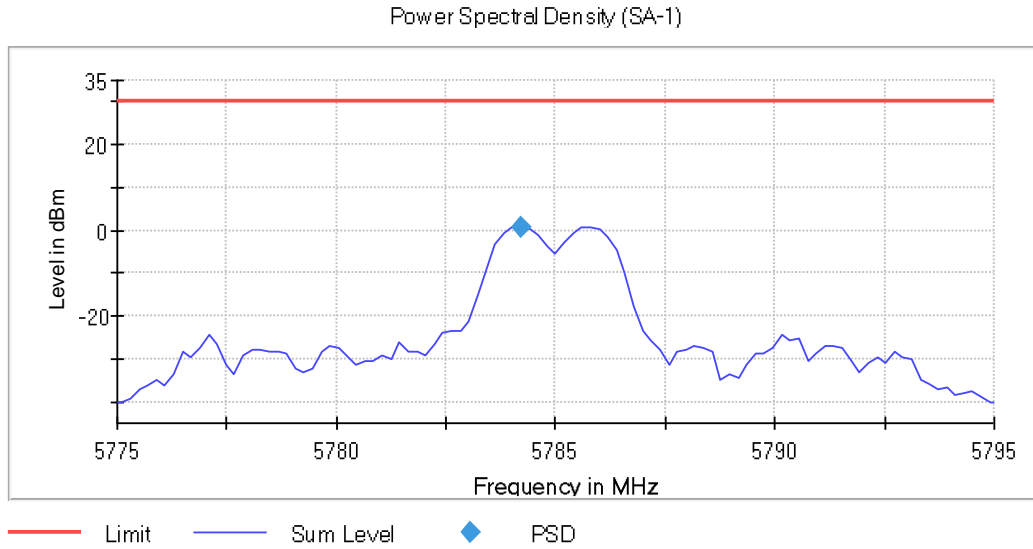
SISO 802.11 ax20 (HE20) – RU Subcarrier allocation (RU26):

U-NII-3 (5725-5850 MHz)

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

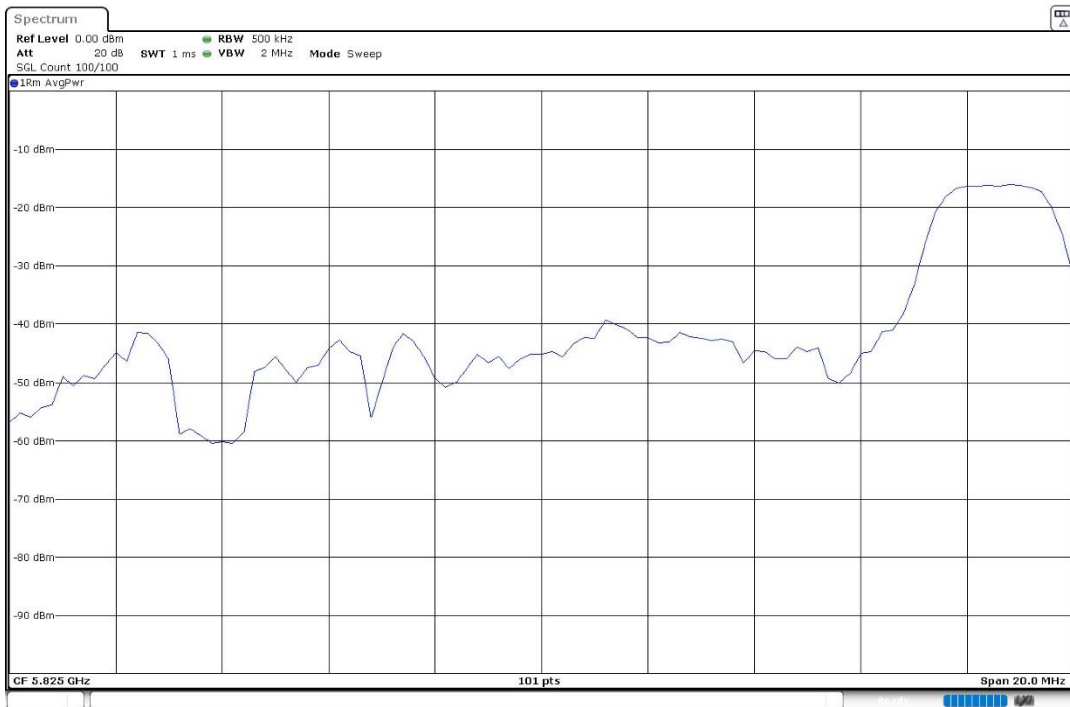
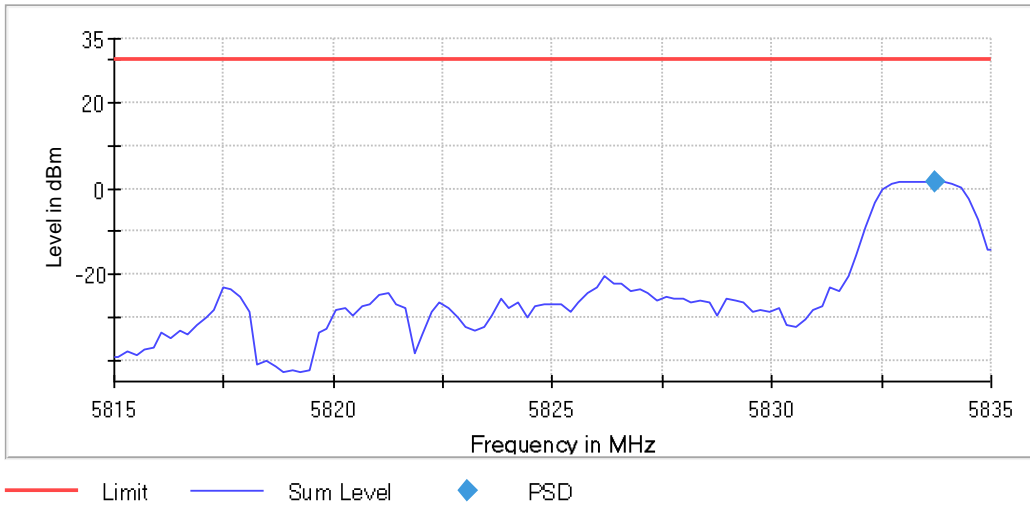


- Middle Channel 157 (5785 MHz) / RU26 Offset 4:



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

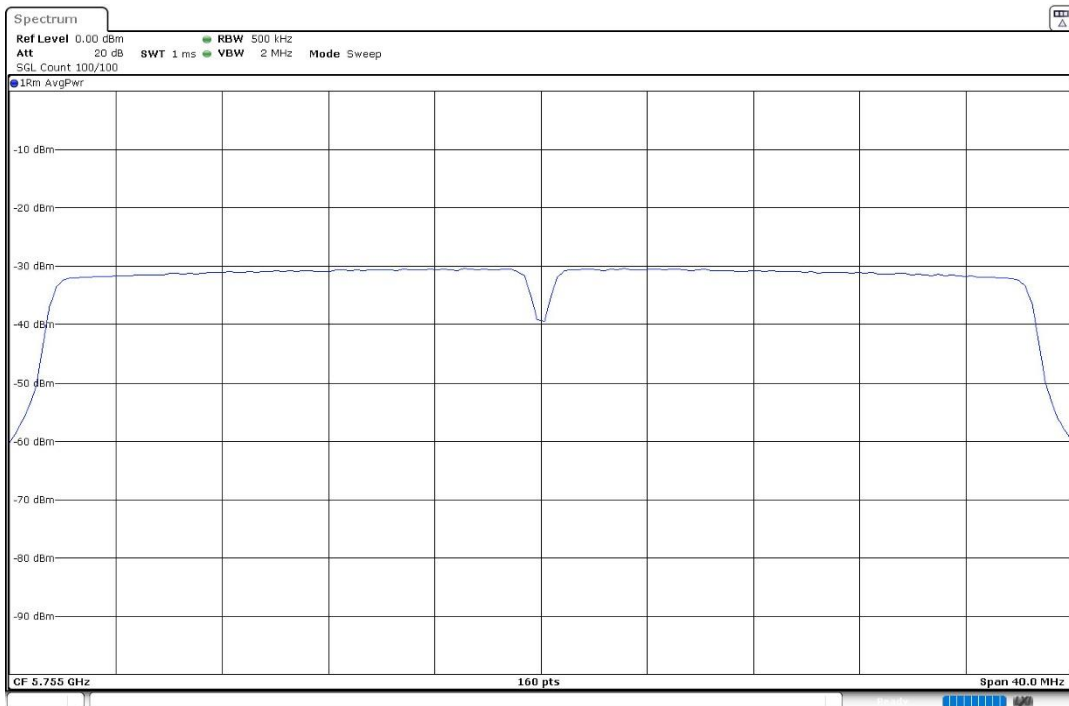
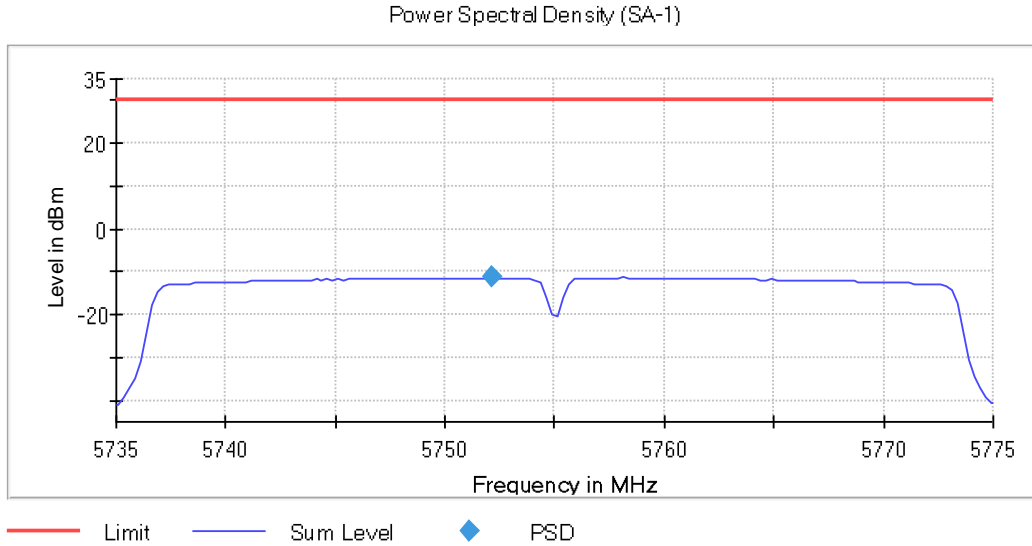
Power Spectral Density (SA-1)



SISO 802.11 n40 (HT40):

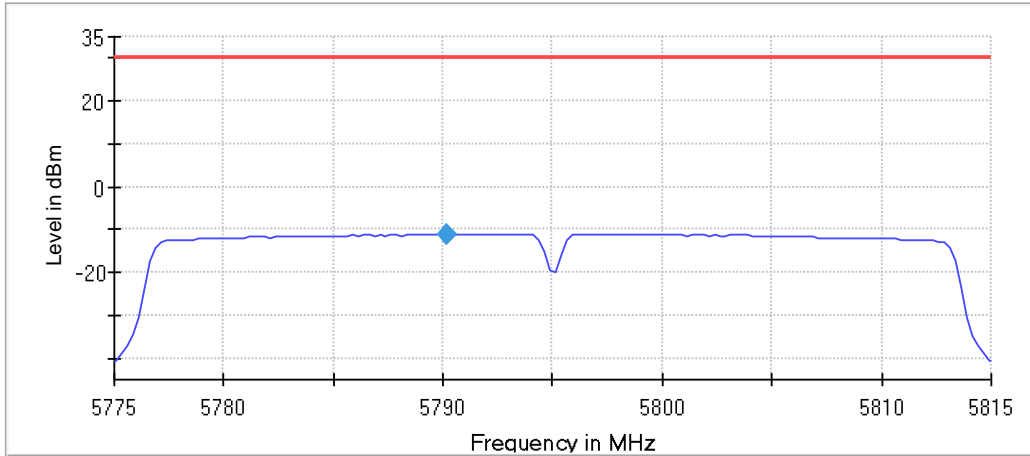
U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):

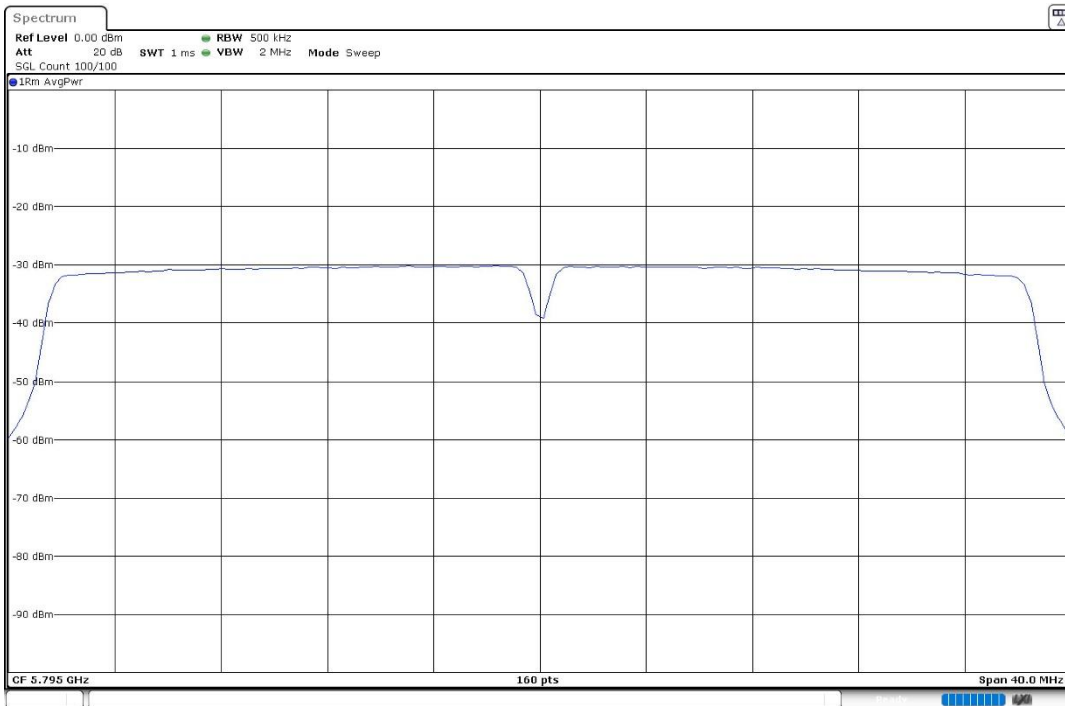


- High Channel 159 (5795 MHz):

Power Spectral Density (SA-1)



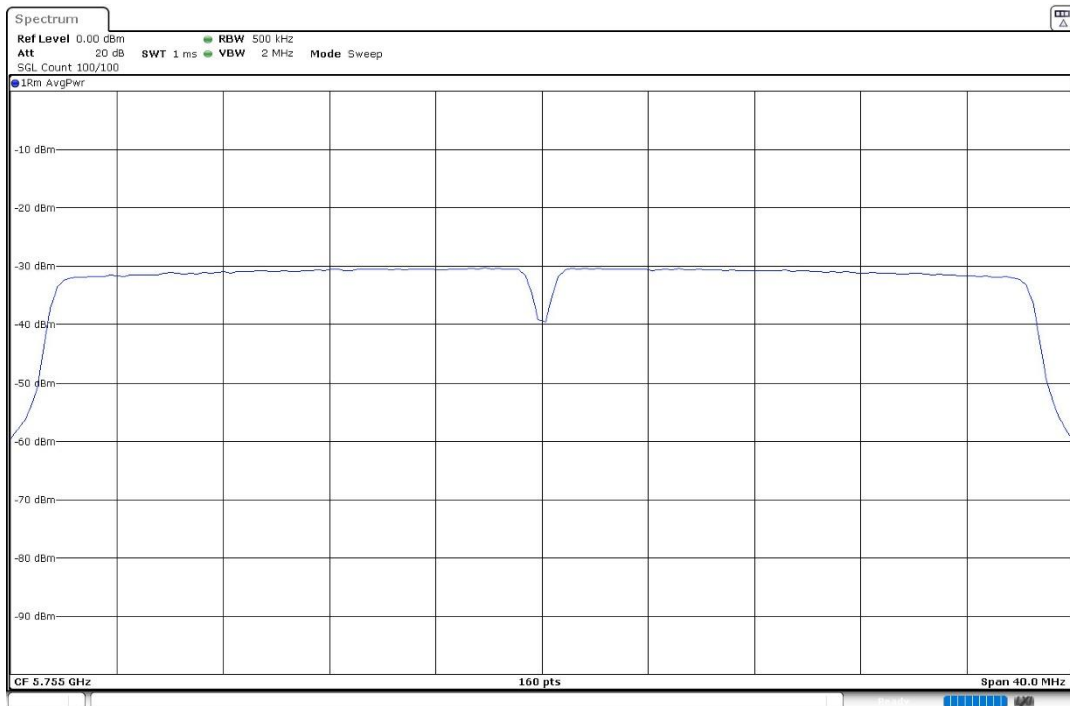
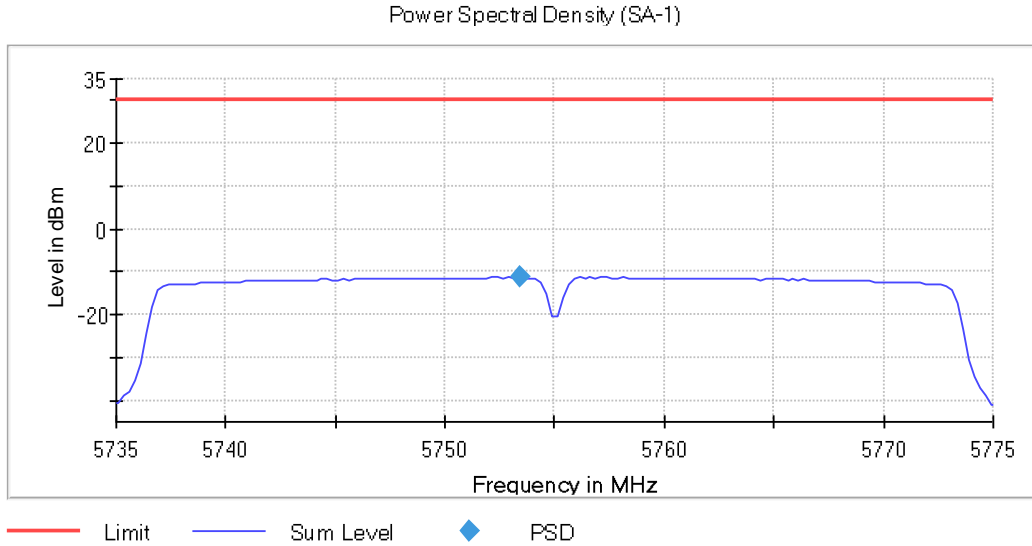
— Limit — Sum Level ◆ PSD



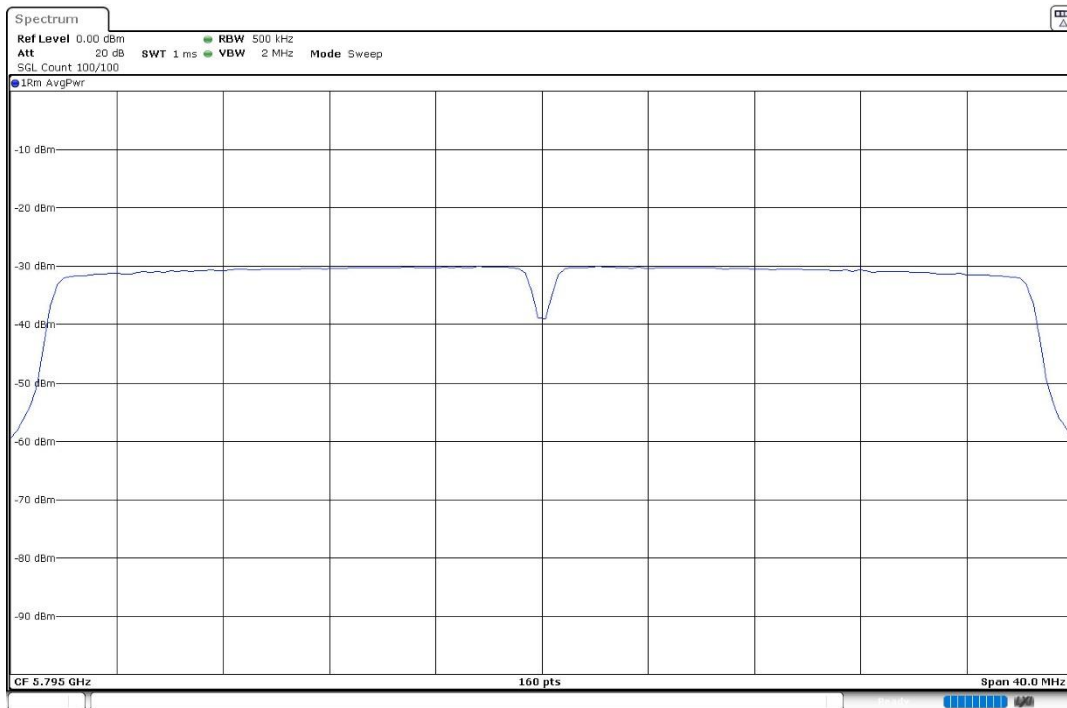
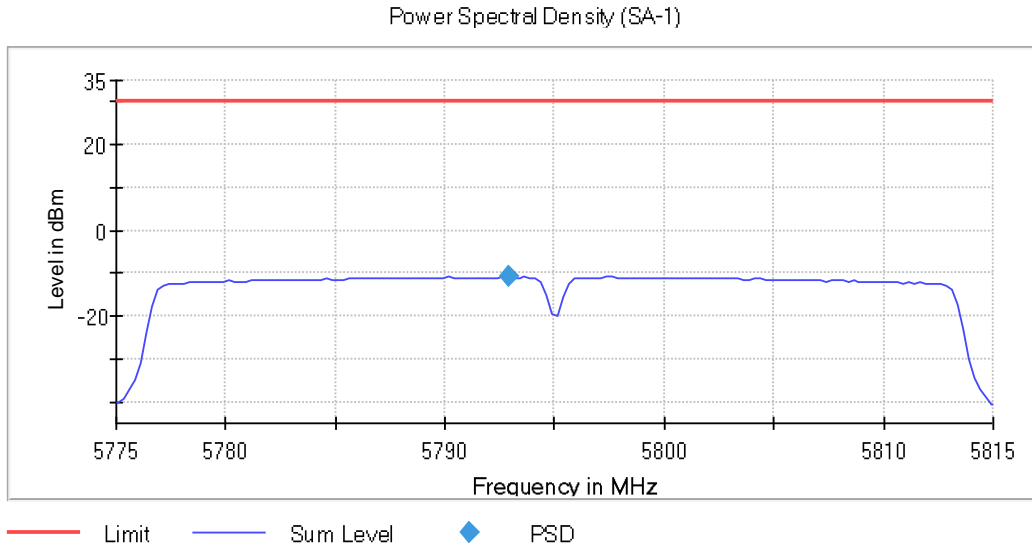
SISO 802.11 ac40 (VHT40):

U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):



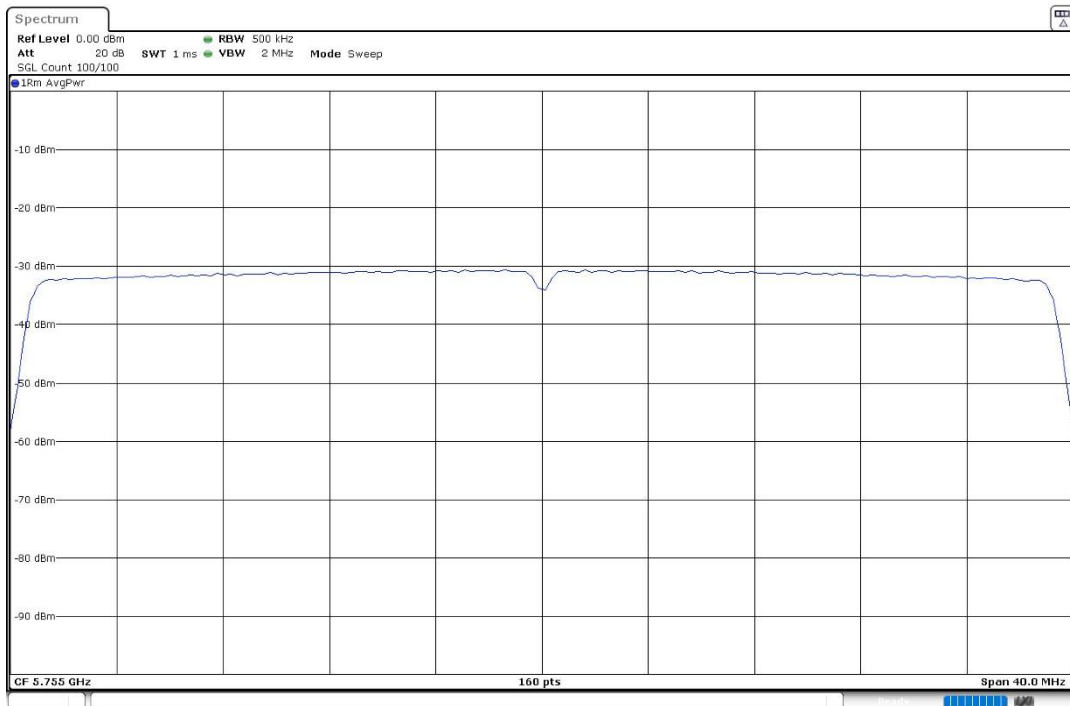
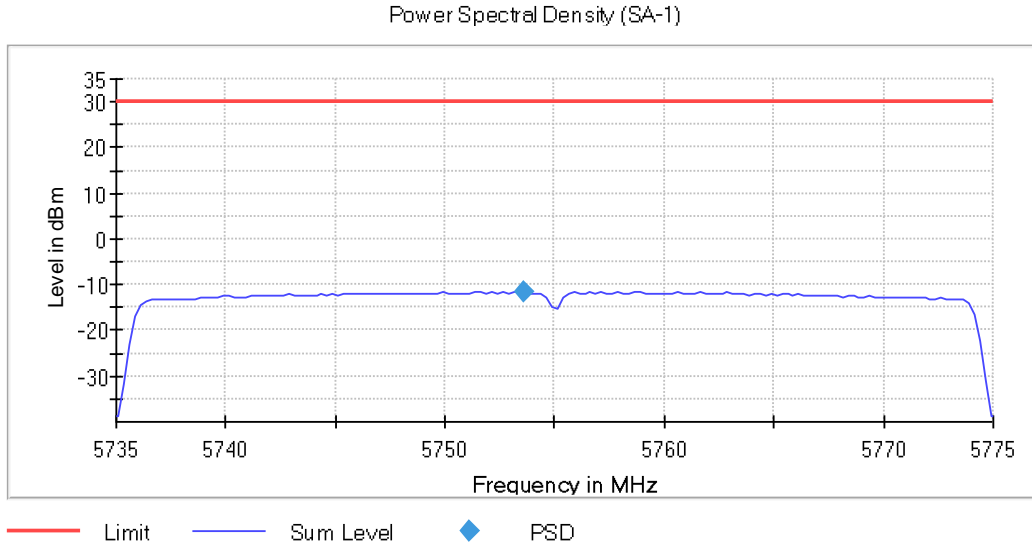
- High Channel 159 (5795 MHz):



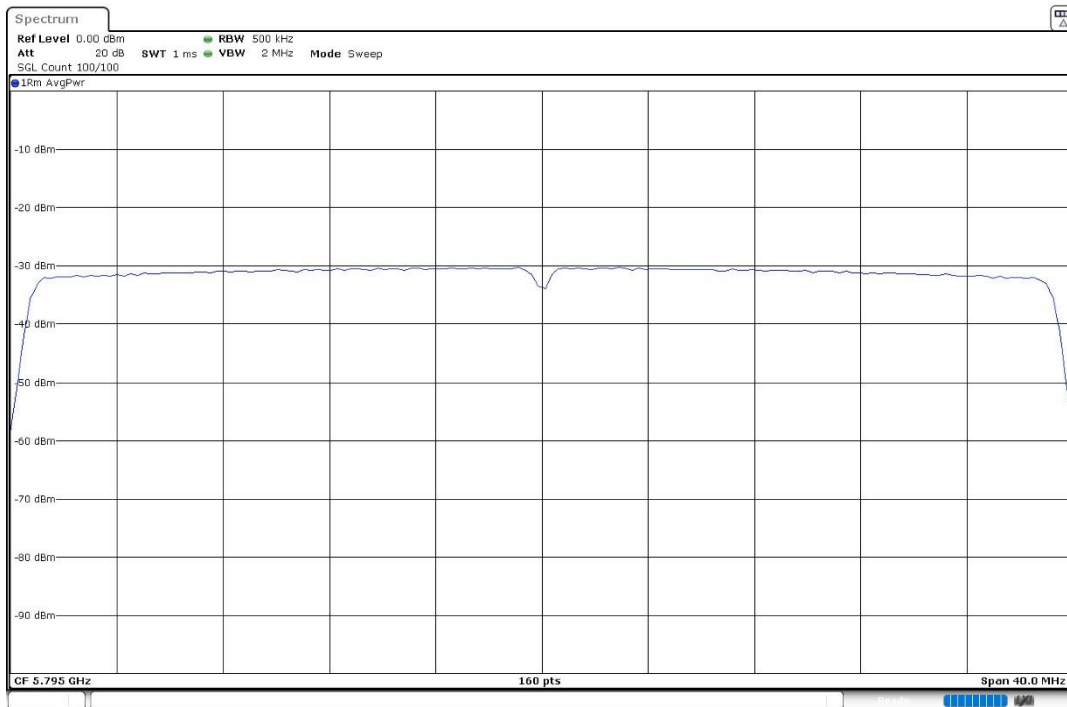
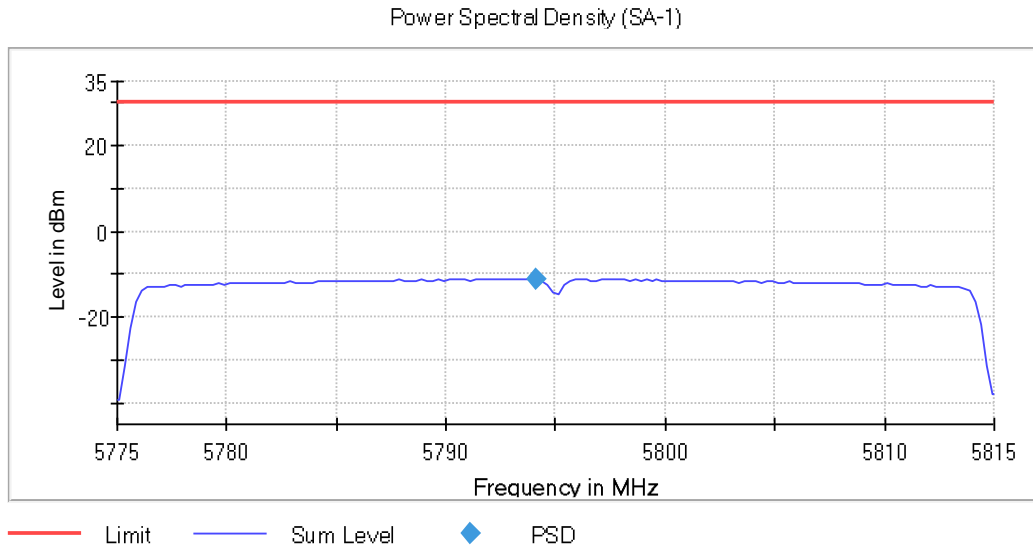
SISO 802.11 ax40 (HE40) – SU Full channel allocation:

U-NII-3 (5725-5850 MHz)

- Low Channel 151 (5755 MHz):



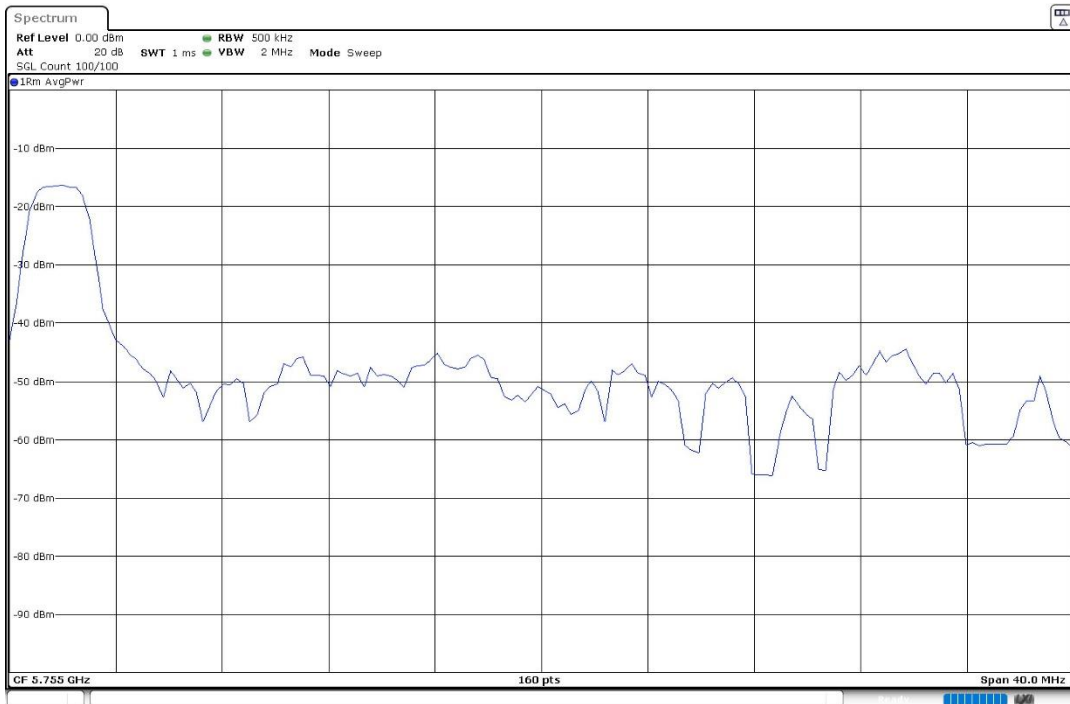
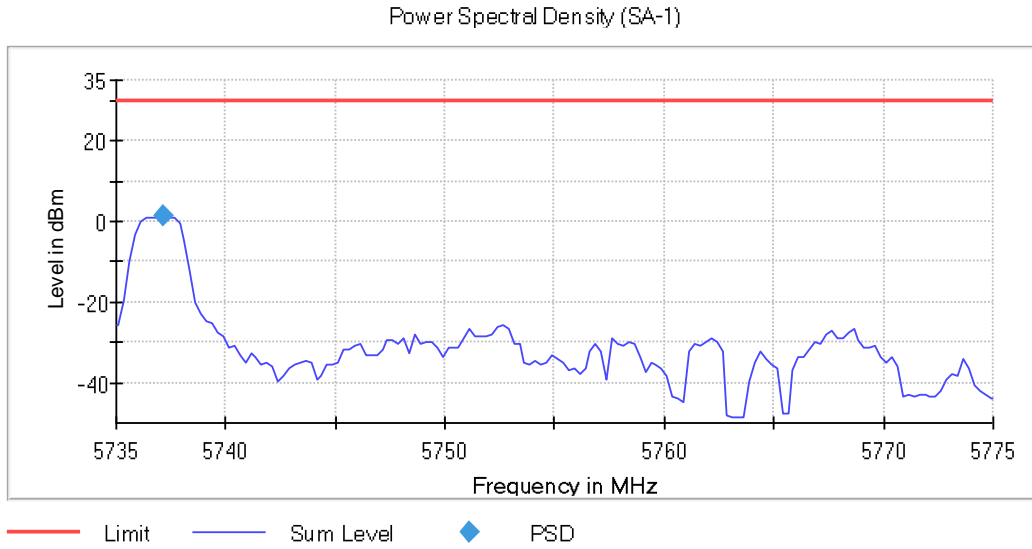
- High Channel 159 (5795 MHz):



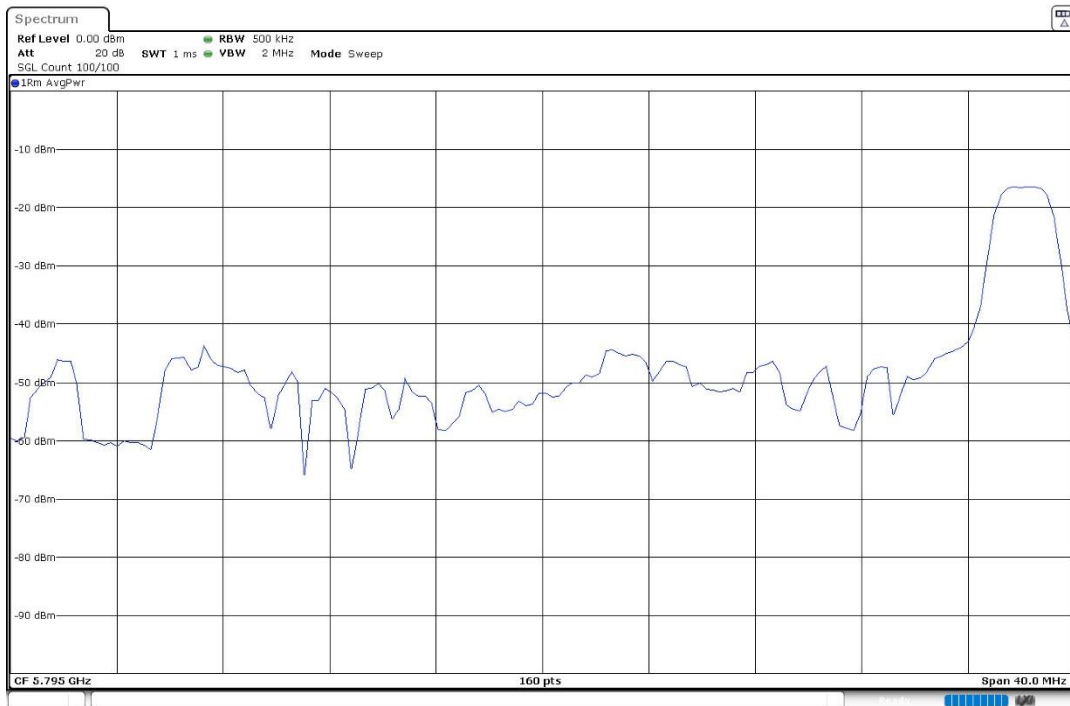
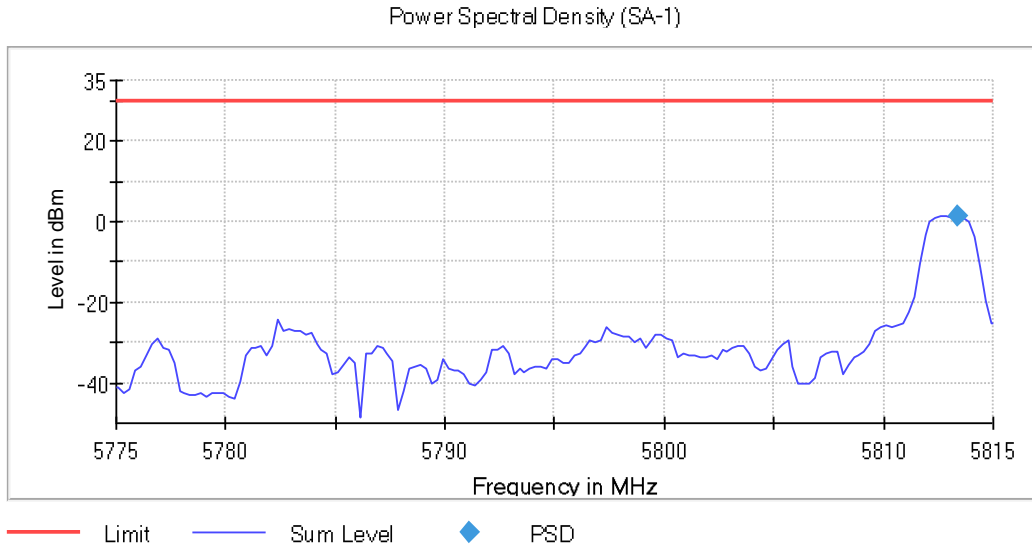
SISO 802.11 ax40 (HE40) – RU Subcarrier allocation (RU26):

U-NII-3 (5725-5850 MHz)

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



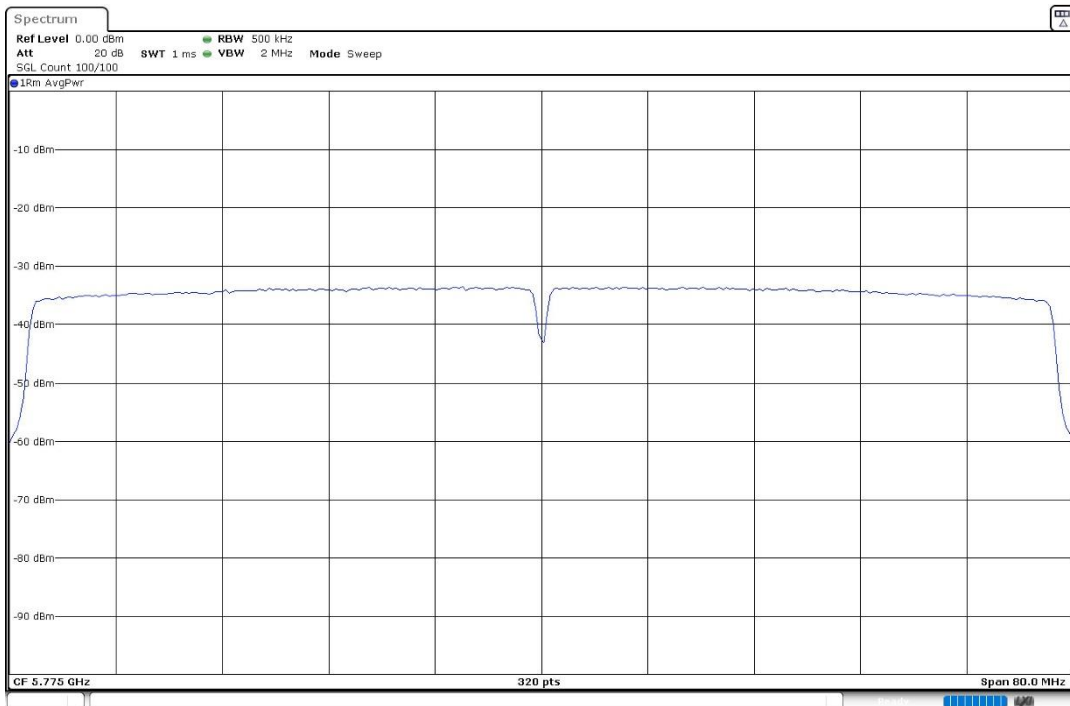
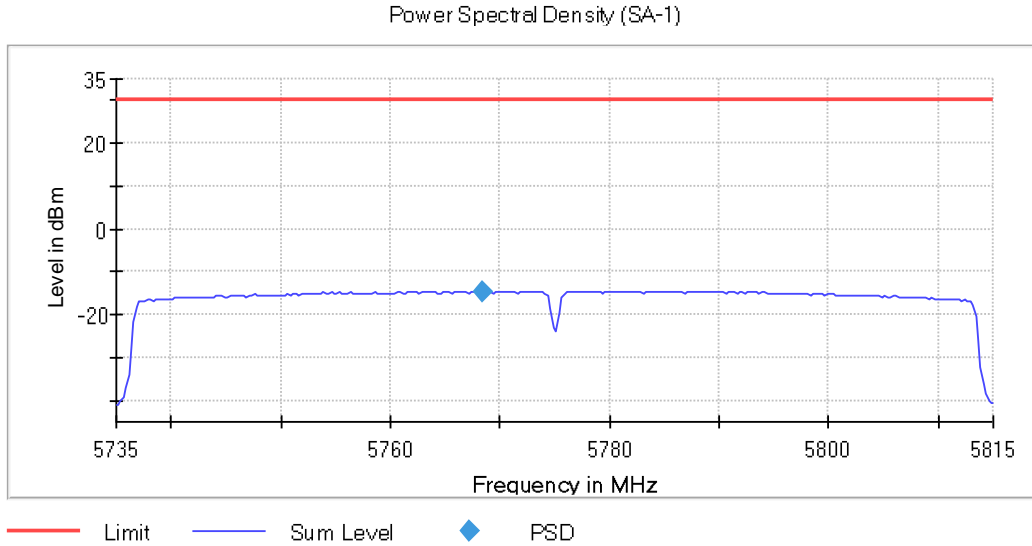
- High Channel 159 (5795 MHz) / RU26 Offset 17:



SISO 802.11 ac80 (VHT80):

U-NII-3 (5725-5850 MHz)

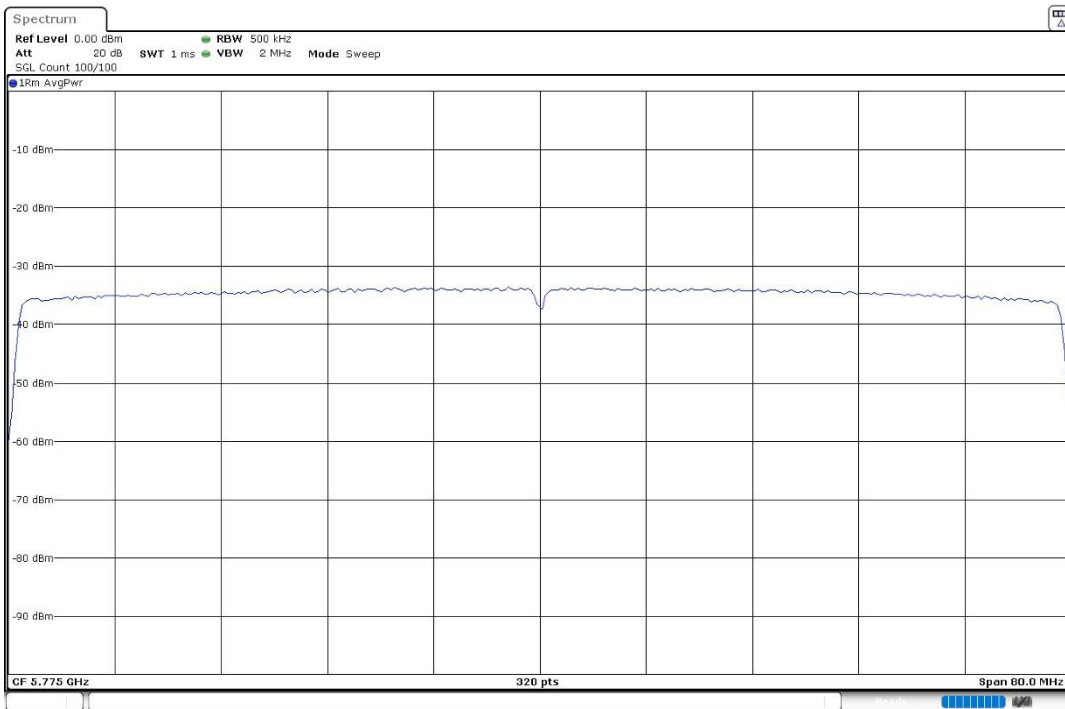
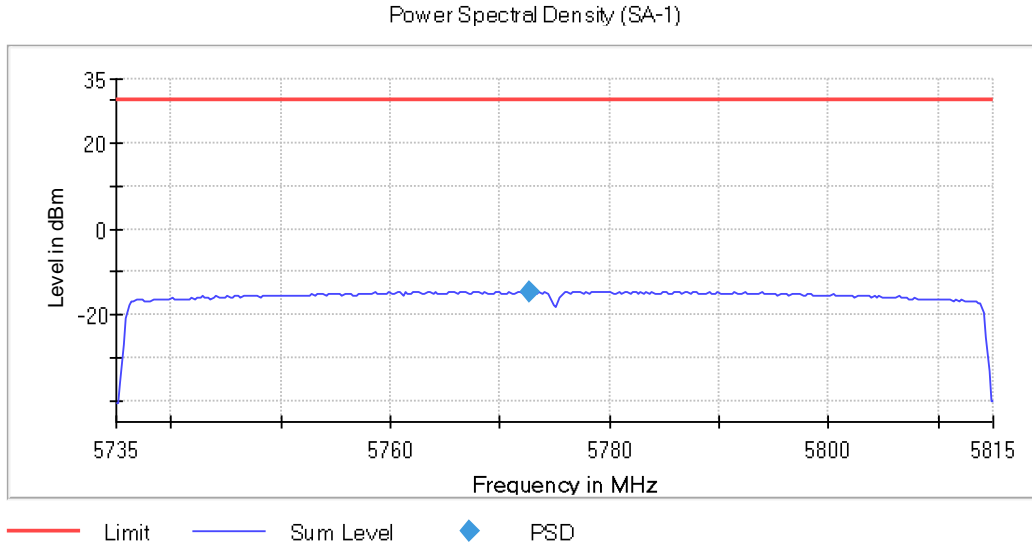
- Single Channel 155 (5775 MHz):



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

U-NII-3 (5725-5850 MHz)

- Single Channel 155 (5775 MHz):



MIMO

MIMO 802.11 a20:

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Conducted PSD (dBm/500kHz)	-9.006	-8.503	-8.539
PSD Limit (dBm/500kHz)	28.53		
Measurement uncertainty (dB)	< ±1.3		

MIMO 802.11 n20 (HT20):

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Corrected Conducted PSD (dBm)	-9.393	-8.880	-8.922
PSD Limit (dBm/500kHz)	28.53		
Measurement uncertainty (dB)	< ±1.3		

MIMO 802.11 ac20 (VHT20):

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Corrected Conducted PSD (dBm)	-9.543	-9.000	-8.923
PSD Limit (dBm/500kHz)	28.53		
Measurement uncertainty (dB)	< ±1.3		

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

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

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Corrected Conducted PSD (dBm)	-10.538	-10.504	-9.927
PSD Limit (dBm/500kHz)	28.53		
Measurement uncertainty (dB)	< ±1.3		

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-3 (5725-5850 MHz):

Channels	Low Channel 149 (5745 MHz)	Middle Channel 157 (5785 MHz)	High Channel 165 (5825 MHz)
Maximum Corrected Conducted PSD (dBm)	-0.240	-0.249	0.291
PSD Limit (dBm/500kHz)	28.53		
Measurement uncertainty (dB)	< ±1.3		

MIMO 802.11 n40 (HT40):

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Corrected Conducted PSD (dBm)	-11.938	-11.528
PSD Limit (dBm/500kHz)	28.53	
Measurement uncertainty (dB)	< ±1.3	

MIMO 802.11 ac40 (VHT40):

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Corrected Conducted PSD (dBm)	-11.952	-11.473
PSD Limit (dBm/500kHz)	28.53	
Measurement uncertainty (dB)	< ±1.3	

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

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

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Corrected Conducted PSD (dBm)	-13.229	-13.188
PSD Limit (dBm/500kHz)	28.53	
Measurement uncertainty (dB)	< ±1.3	

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-3 (5725-5850 MHz):

Channels	Low Channel 151 (5755 MHz)	High Channel 159 (5795 MHz)
Maximum Corrected Conducted PSD (dBm)	0.015	0.249
PSD Limit (dBm/500kHz)	28.53	
Measurement uncertainty (dB)	< ±1.3	

MIMO 802.11 ac80 (VHT80):

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

Channel	Single Channel 155 (5775 MHz)
Maximum Corrected Conducted PSD (dBm)	-15.056
PSD Limit (dBm/500kHz)	28.53
Measurement uncertainty (dB)	< ±1.3

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

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

Channel	Single Channel 155 (5775 MHz)
Maximum Corrected Conducted PSD (dBm)	-16.218
PSD Limit (dBm/500kHz)	28.53
Measurement uncertainty (dB)	< ±1.3

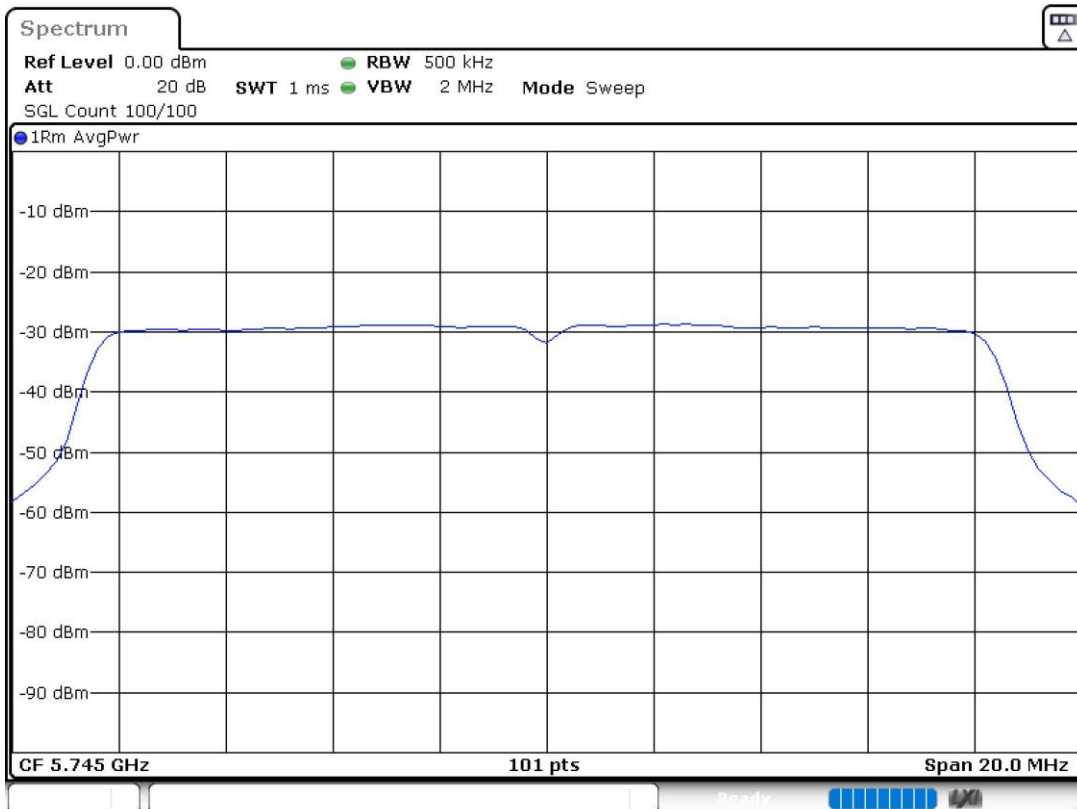
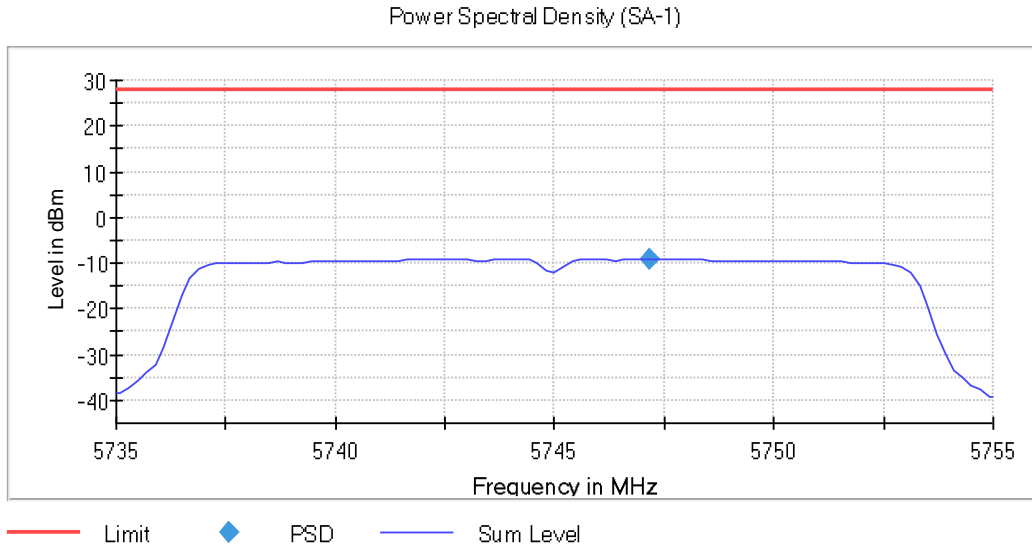
Verdict: PASS

MIMO

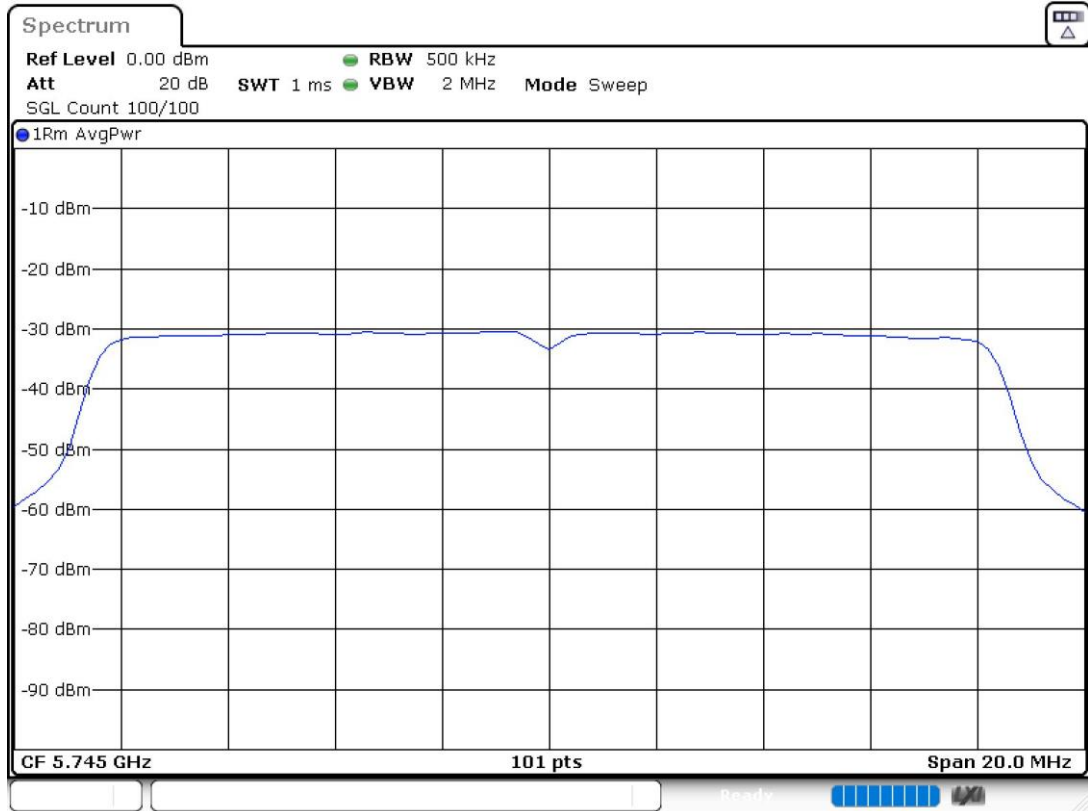
MIMO 802.11 a20:

U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):

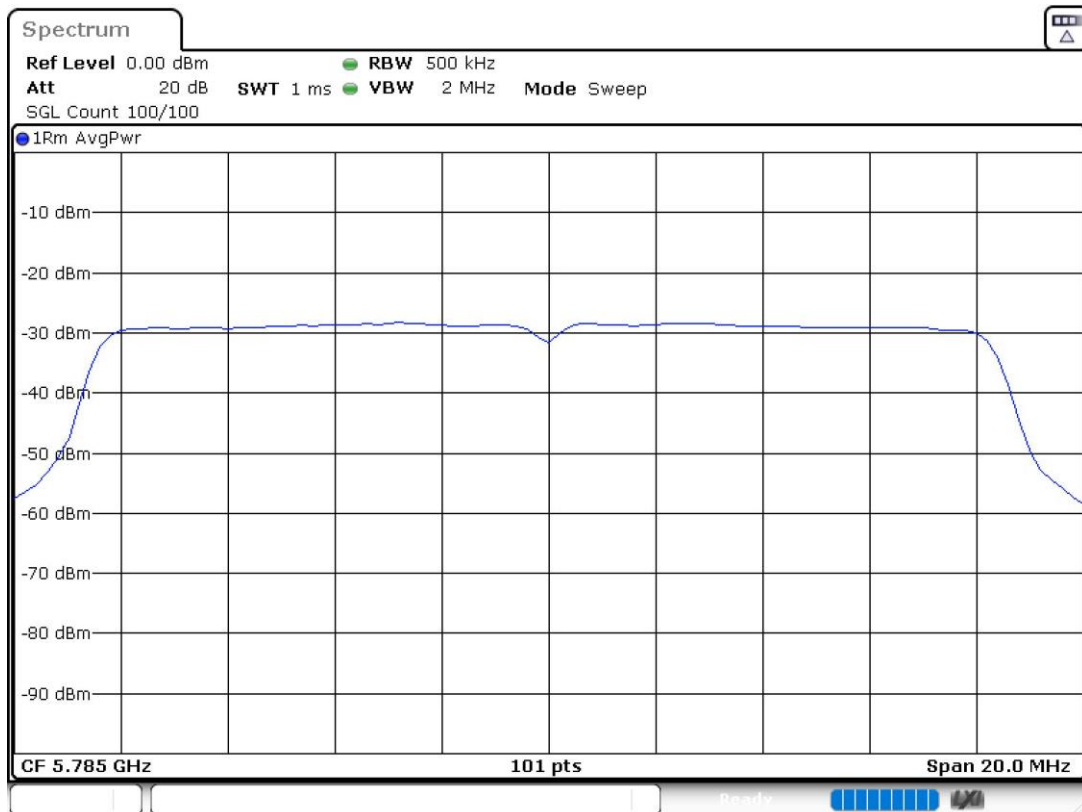
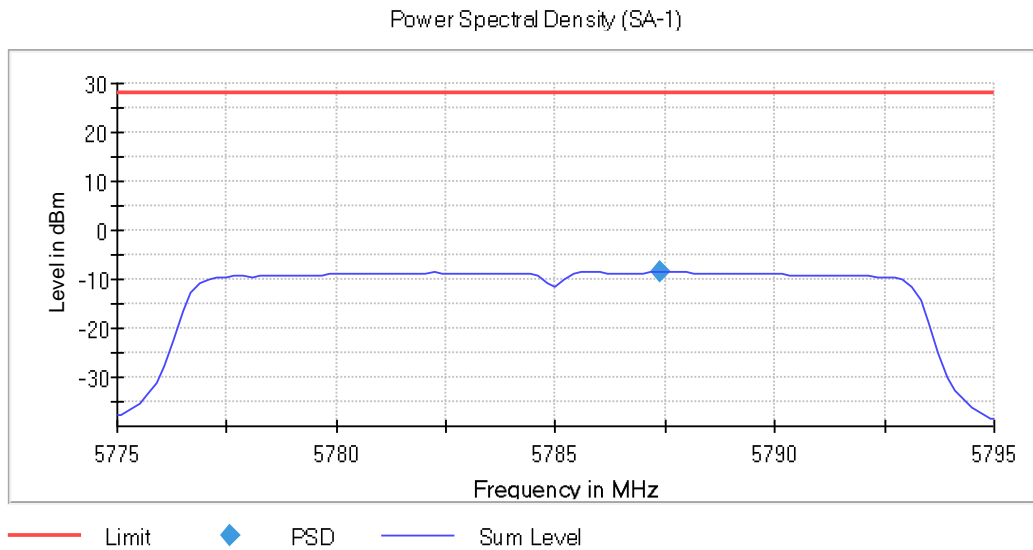


PSD Chain 1

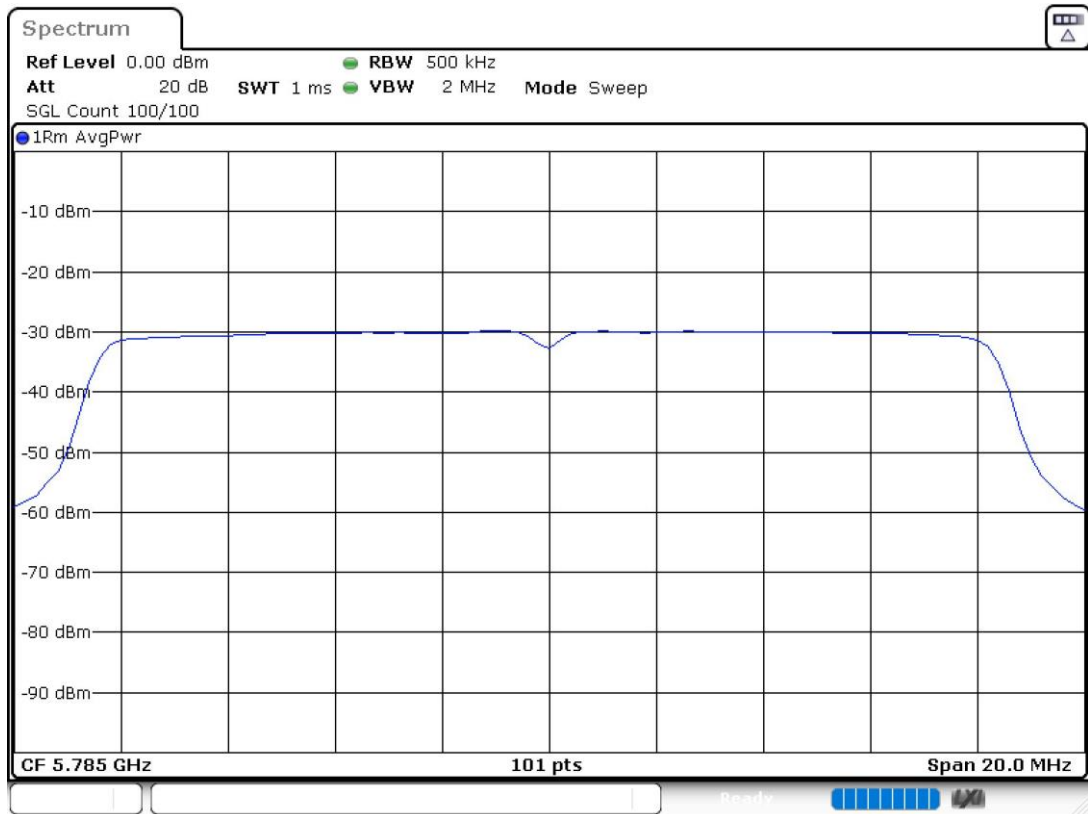


PSD Chain 0

- Middle Channel 157 (5785 MHz):

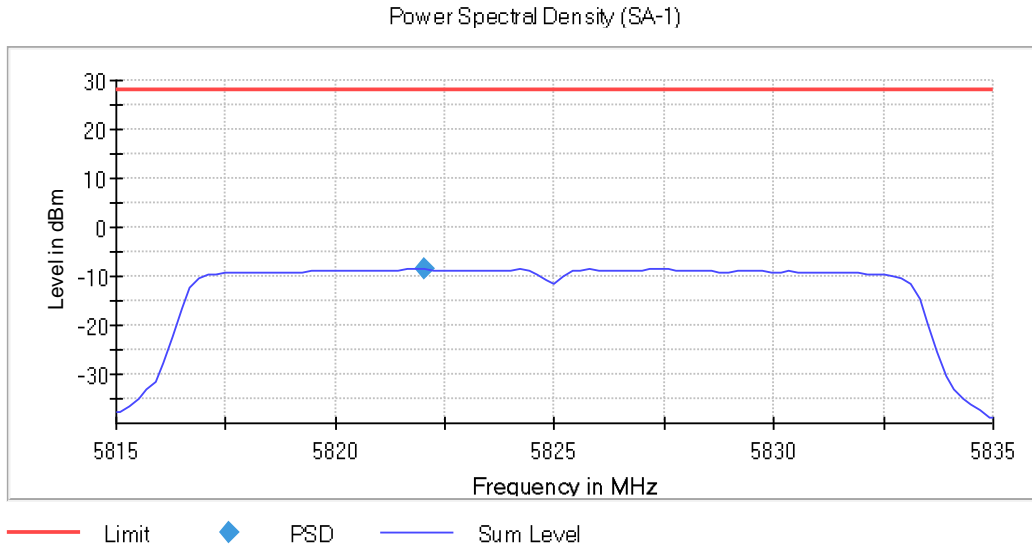


PSD Chain 1

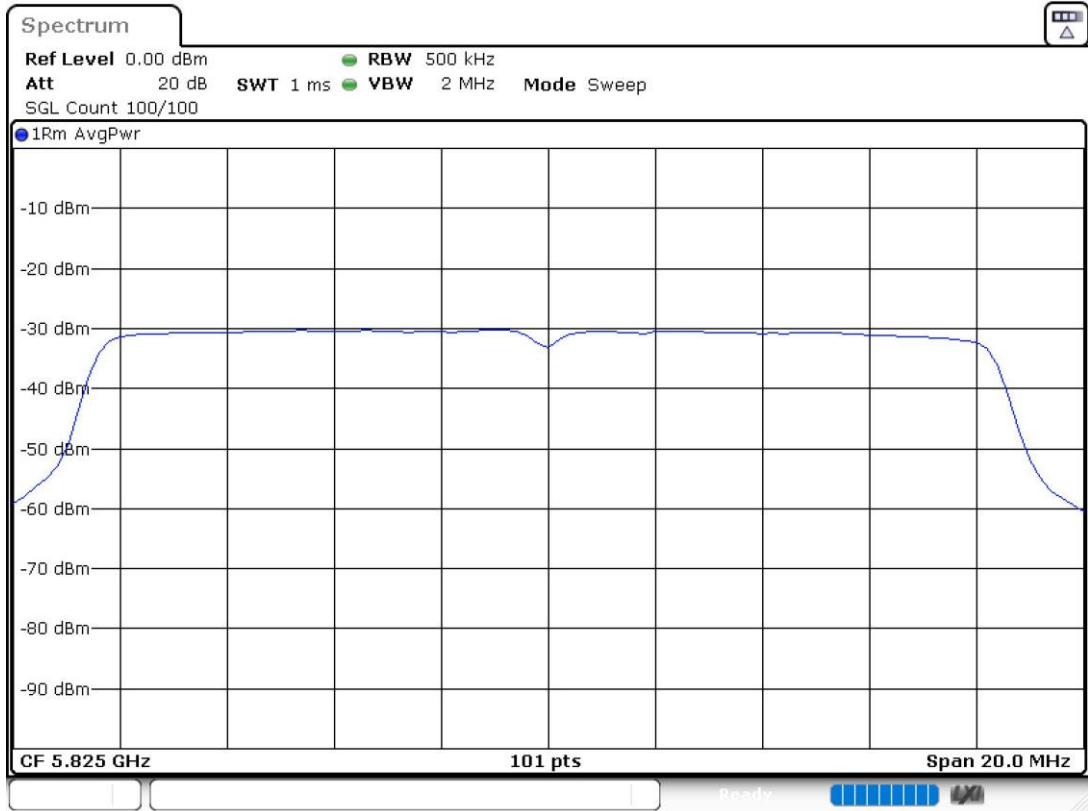


PSD Chain 0

- High Channel 165 (5825 MHz):



PSD Chain 1

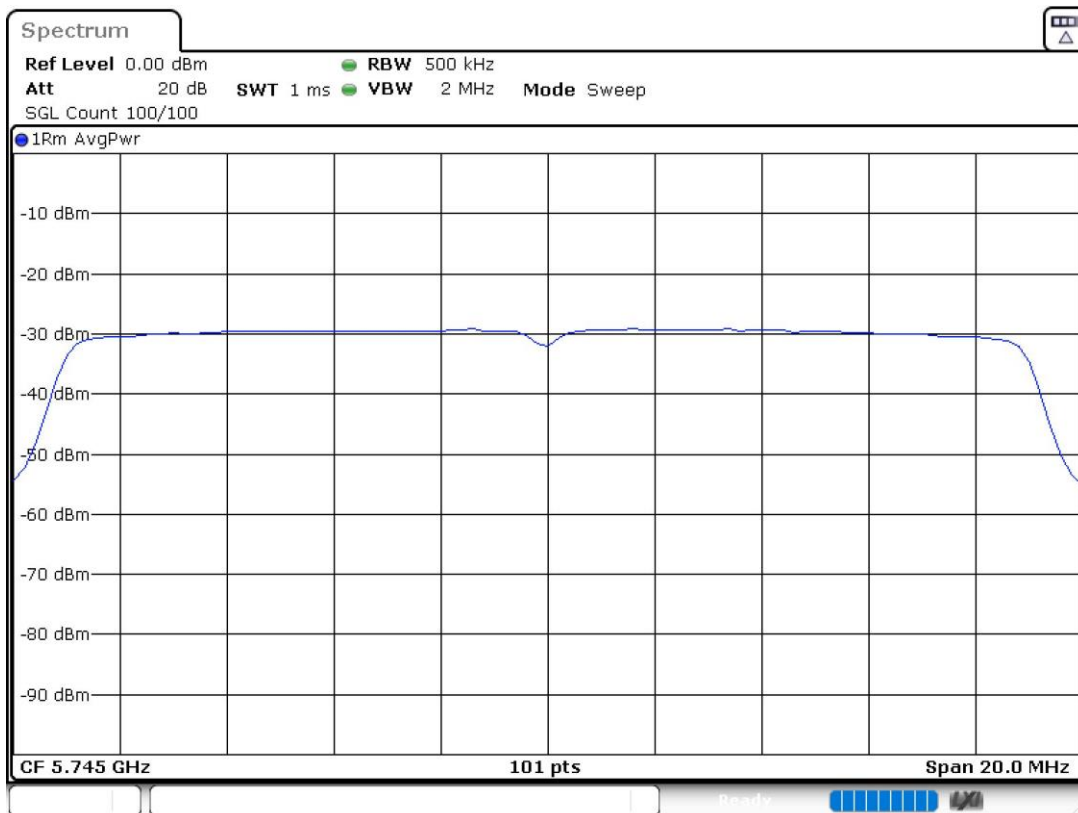
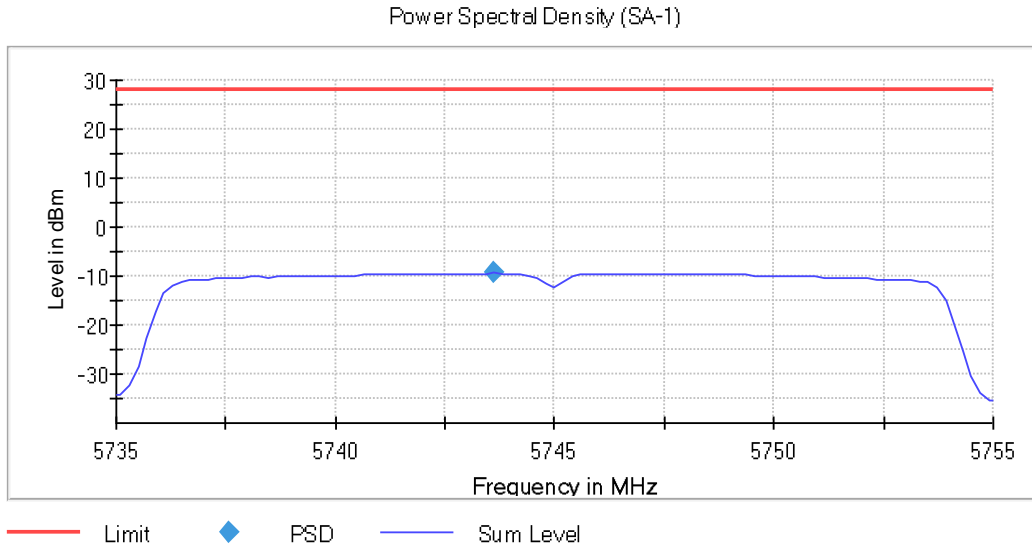


PSD Chain 0

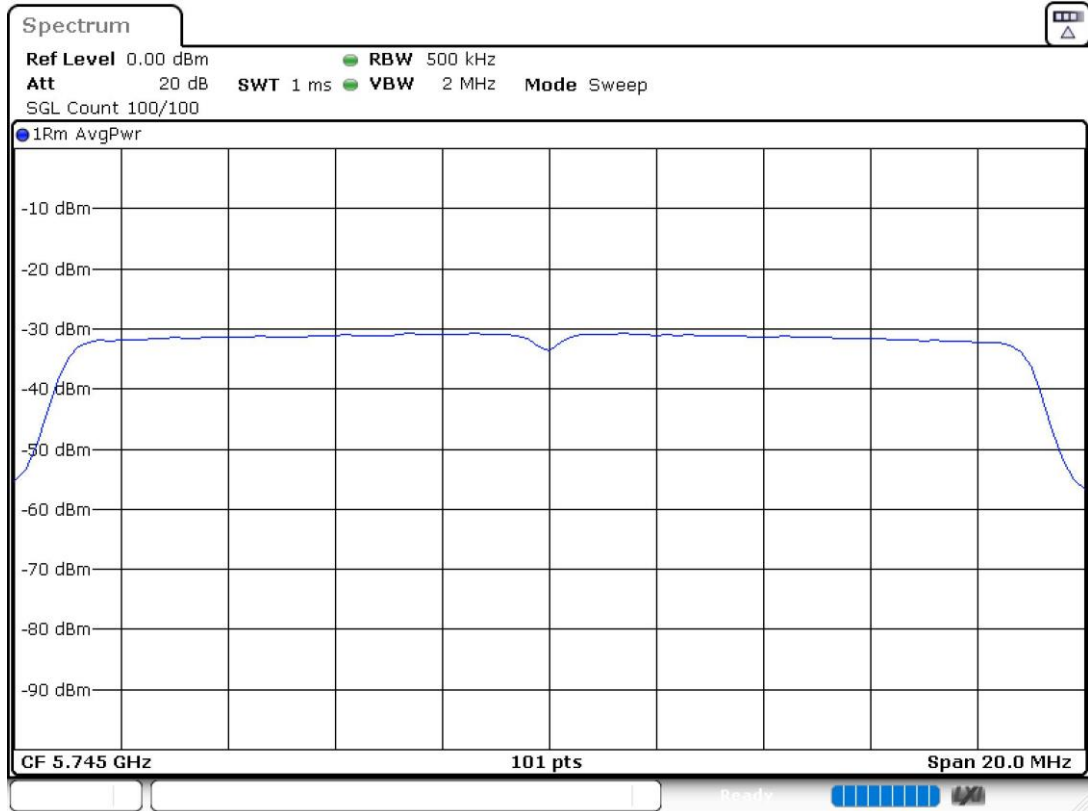
MIMO 802.11 n20 (HT20):

U-NII-3 (5725-5850 MHz)

- Low Channel 149 (5745 MHz):

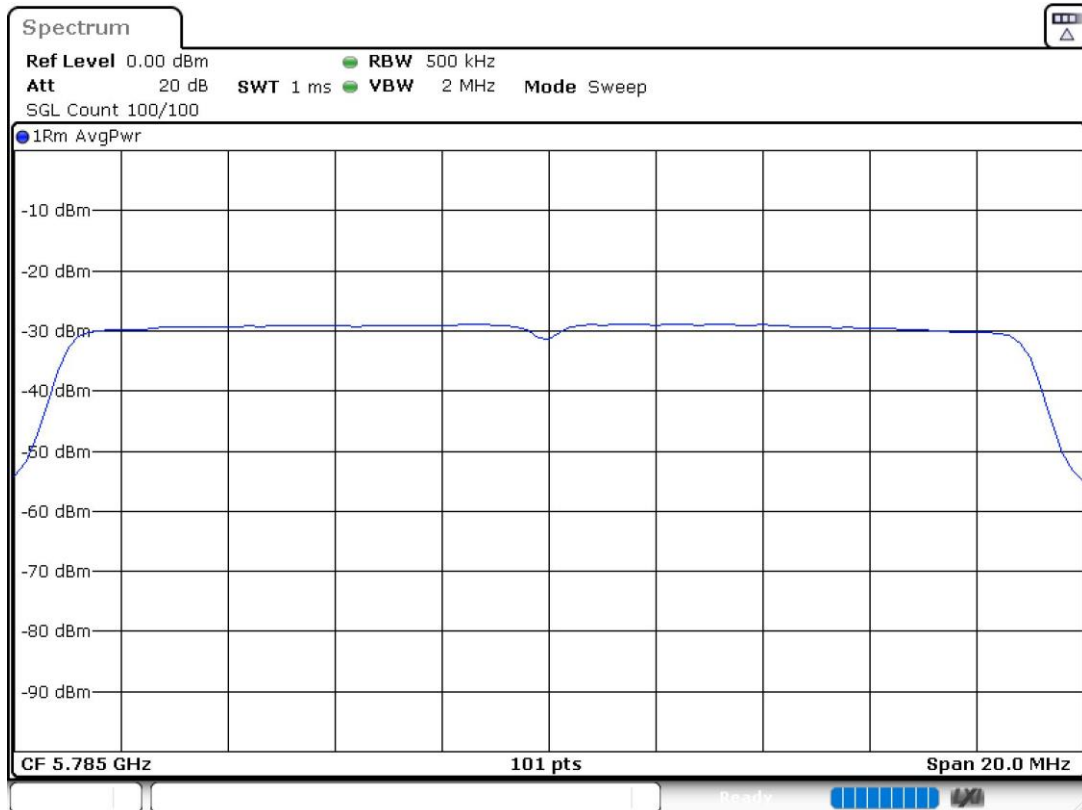
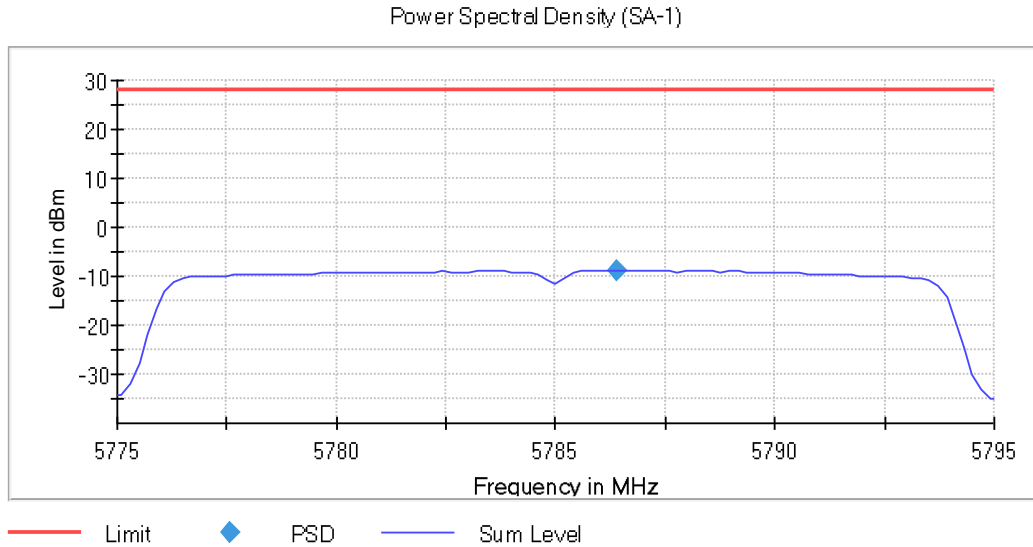


PSD Chain 1



PSD Chain 0

- Middle Channel 157 (5785 MHz):



PSD Chain 1