

ANNEX F TEST DATA

For

Project No.:	8330EU010811W
Client:	Autel Intelligent Technology Corp., Ltd.
Product Description:	MaxiFlash VCI2
Model No.:	MaxiFlash VCI2
FCC ID:	WQ8-DC2411
Technology:	WiFi 5G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2025-06-03

Test Summary

Item	Result
Duty Cycle	Pass
Bandwidth	Pass
Maximum Conducted Output Power	Pass
Maximum Power Spectral Density	Pass
Unwanted Emissions In Non-restricted Frequency Bands	Pass
Frequency Stability	Pass

1. Duty Cycle

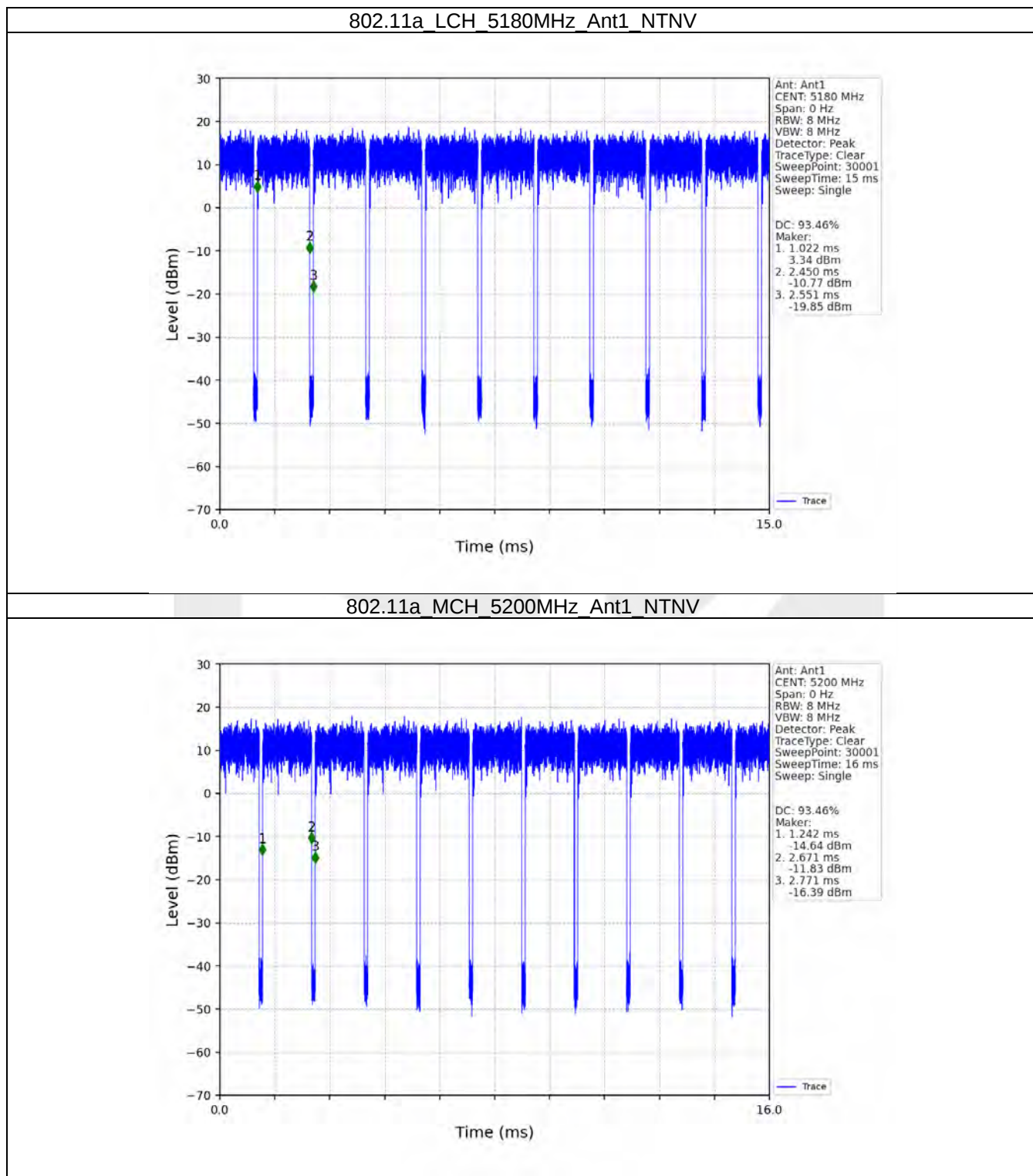
1.1 Test Result

1.1.1 Ant1

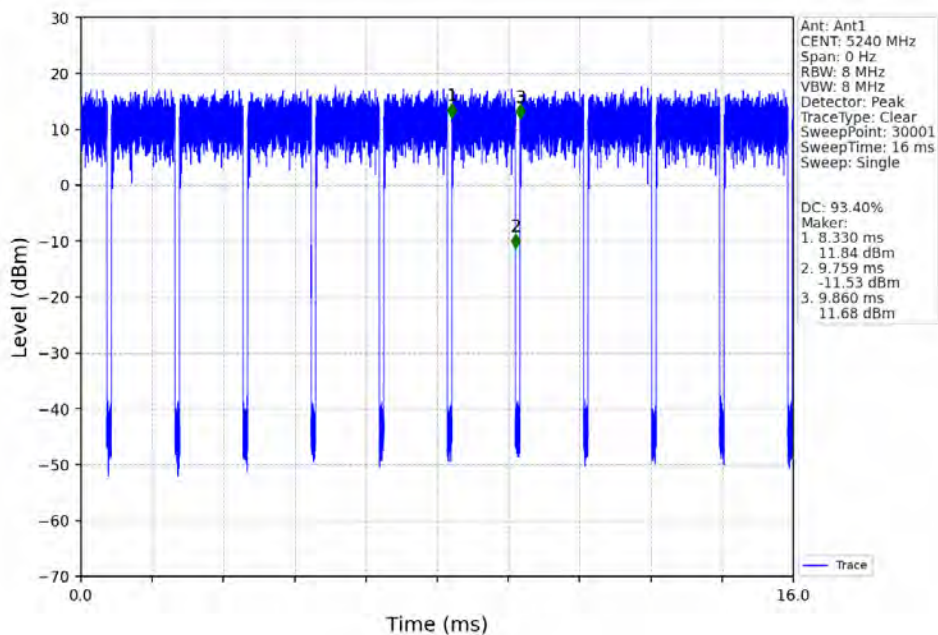
Ant1							
Mode	Tx Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.429	1.529	93.46	0.29	0.03
		5200	1.429	1.529	93.46	0.29	0.00
		5240	1.429	1.530	93.40	0.30	0.03
		5745	1.428	1.529	93.39	0.30	0.06
		5785	1.429	1.530	93.40	0.30	0.07
		5825	1.430	1.530	93.46	0.29	0.10
802.11n (HT20)	SISO	5180	1.337	1.438	92.98	0.32	0.03
		5200	1.337	1.438	92.98	0.32	0.03
		5240	1.337	1.437	93.04	0.31	0.03
		5745	1.337	1.437	93.04	0.31	0.06
		5785	1.337	1.438	92.98	0.32	0.03
		5825	1.337	1.437	93.04	0.31	0.10
802.11n (HT40)	SISO	5190	0.664	0.765	86.80	0.61	0.03
		5230	0.667	0.766	87.08	0.60	0.00
		5755	0.670	0.766	87.47	0.58	0.07
		5795	0.670	0.766	87.47	0.58	0.09
802.11ac (VHT20)	SISO	5180	1.345	1.445	93.08	0.31	0.03
		5200	1.345	1.446	93.02	0.31	0.06
		5240	1.345	1.446	93.02	0.31	0.03
		5745	1.345	1.445	93.08	0.31	0.00
		5785	1.346	1.446	93.08	0.31	0.07
		5825	1.345	1.446	93.02	0.31	0.07
802.11ac (VHT40)	SISO	5190	0.668	0.769	86.87	0.61	0.04
		5230	0.668	0.769	86.87	0.61	0.03
		5755	0.674	0.770	87.53	0.58	0.07
		5795	0.668	0.769	86.87	0.61	0.03
802.11ac (VHT80)	SISO	5210	0.334	0.433	77.14	1.13	0.06
		5775	0.338	0.433	78.06	1.08	0.05

1.2 Test Graph

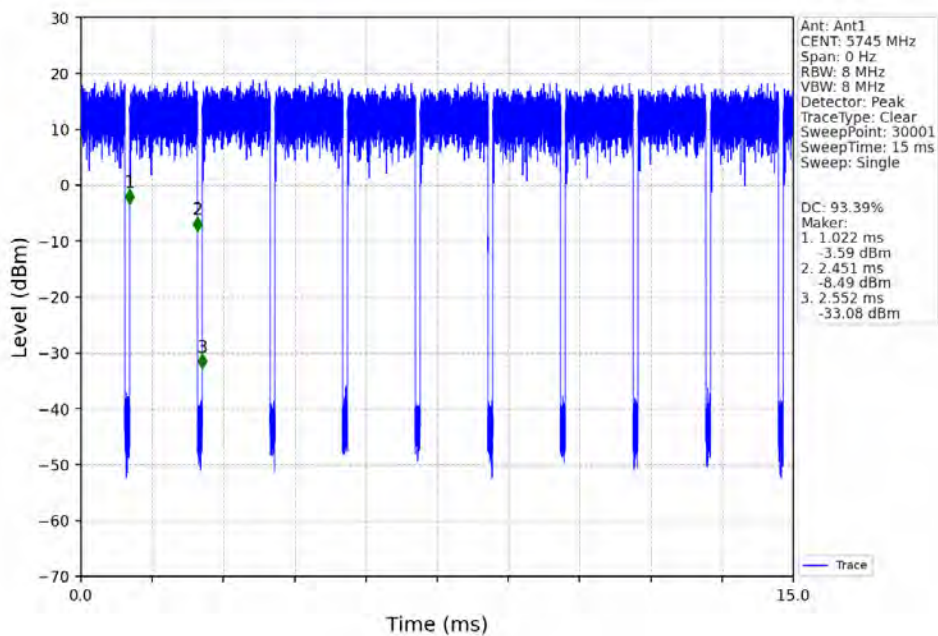
1.2.1 Ant1



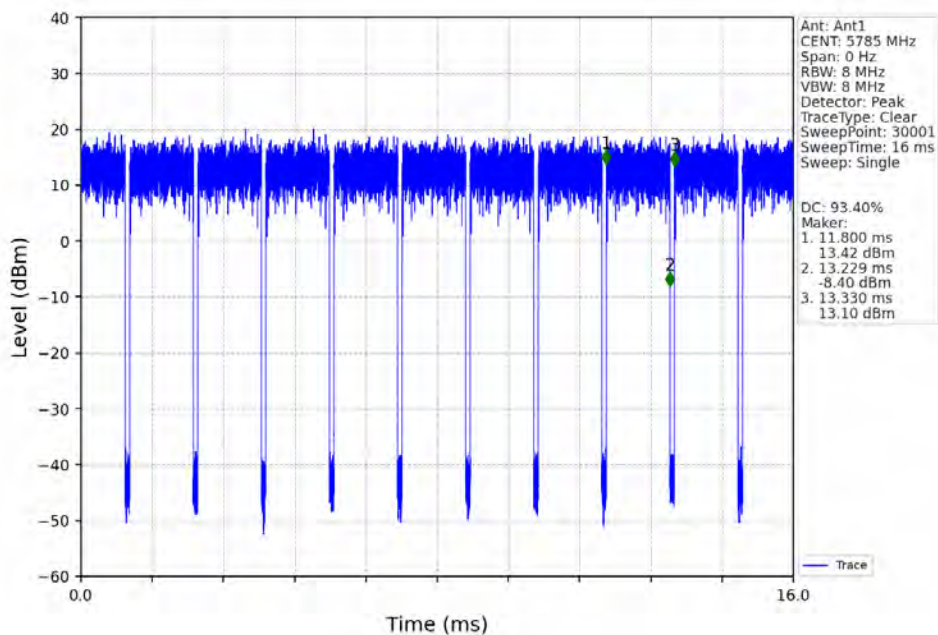
802.11a_HCH_5240MHz_Ant1_NTNV



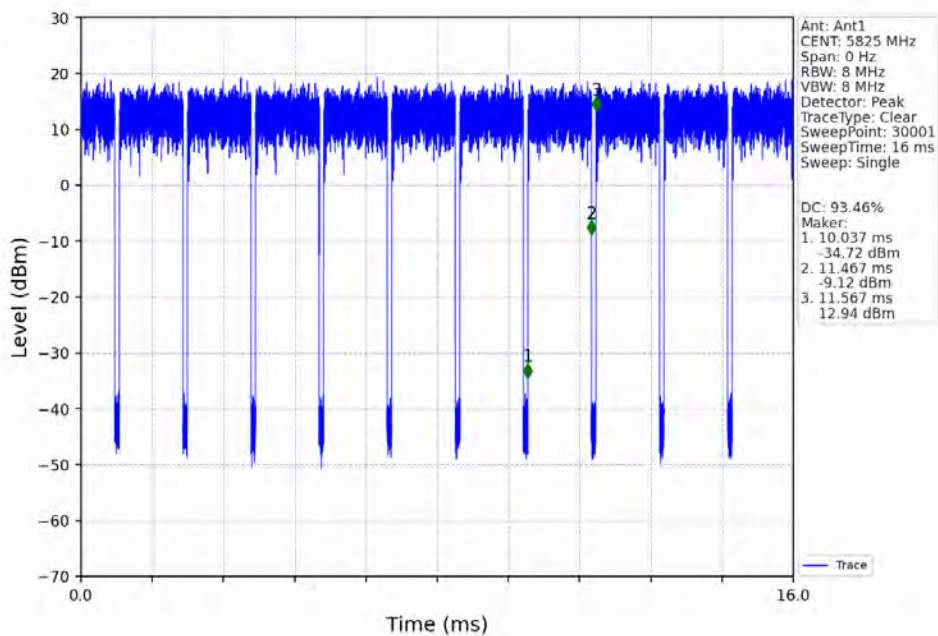
802.11a_LCH_5745MHz_Ant1_NTNV



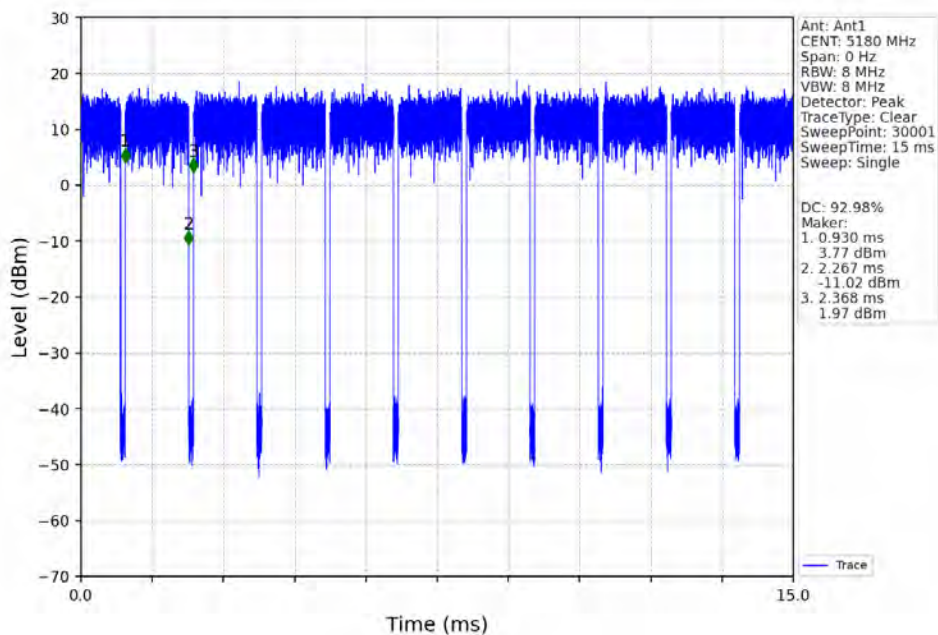
802.11a_MCH_5785MHz_Ant1_NTNV



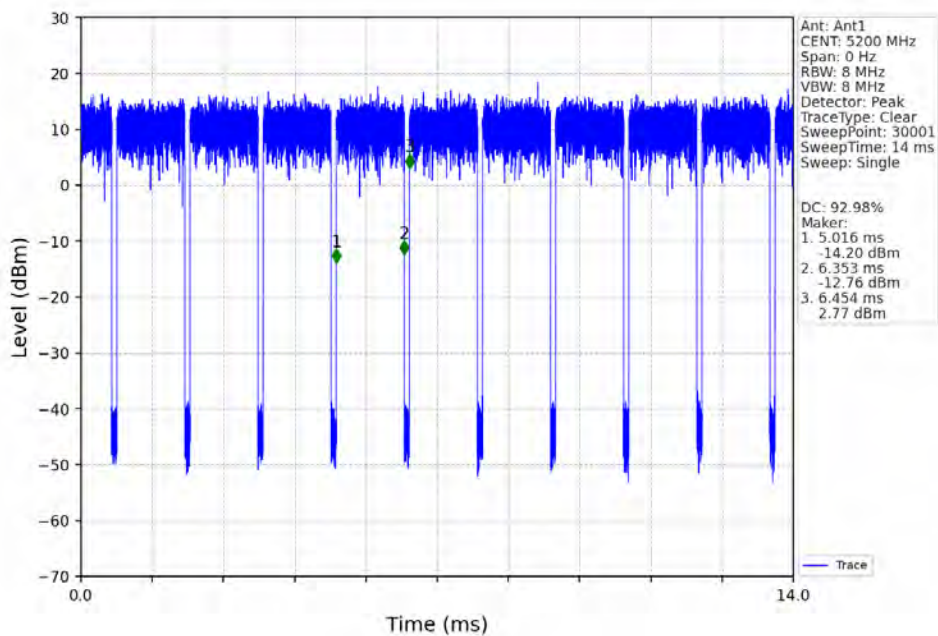
802.11a_HCH_5825MHz_Ant1_NTNV



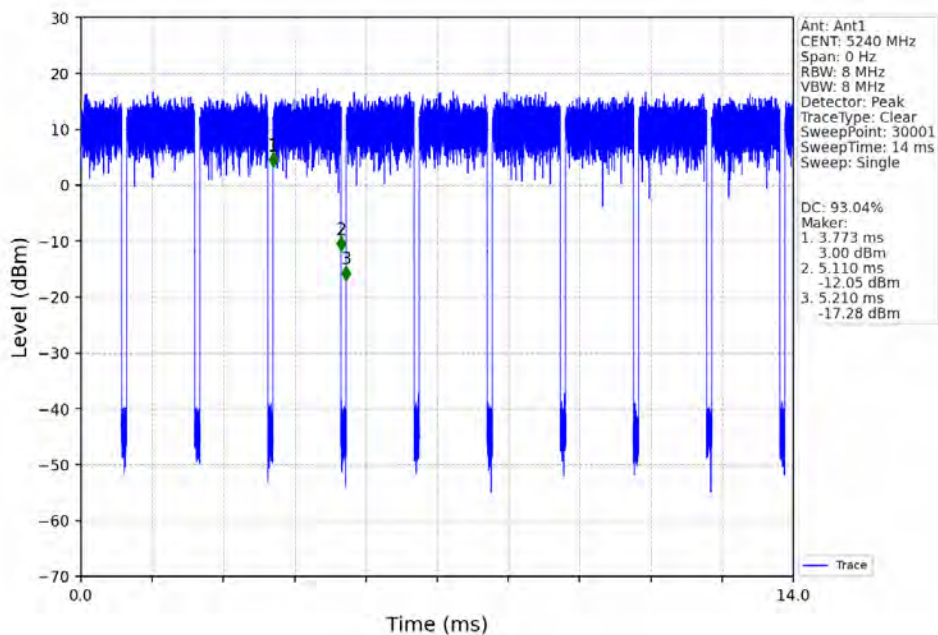
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



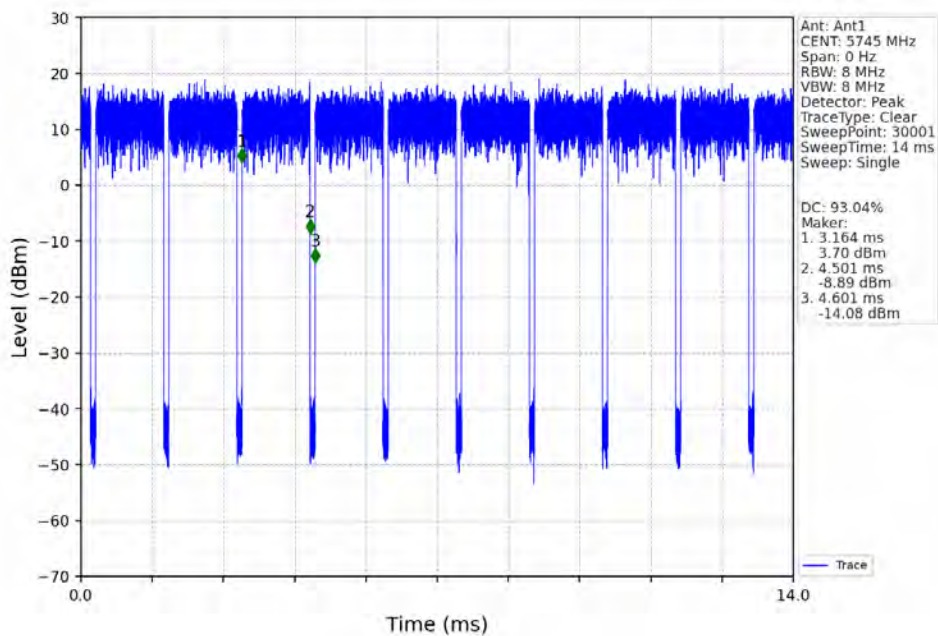
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



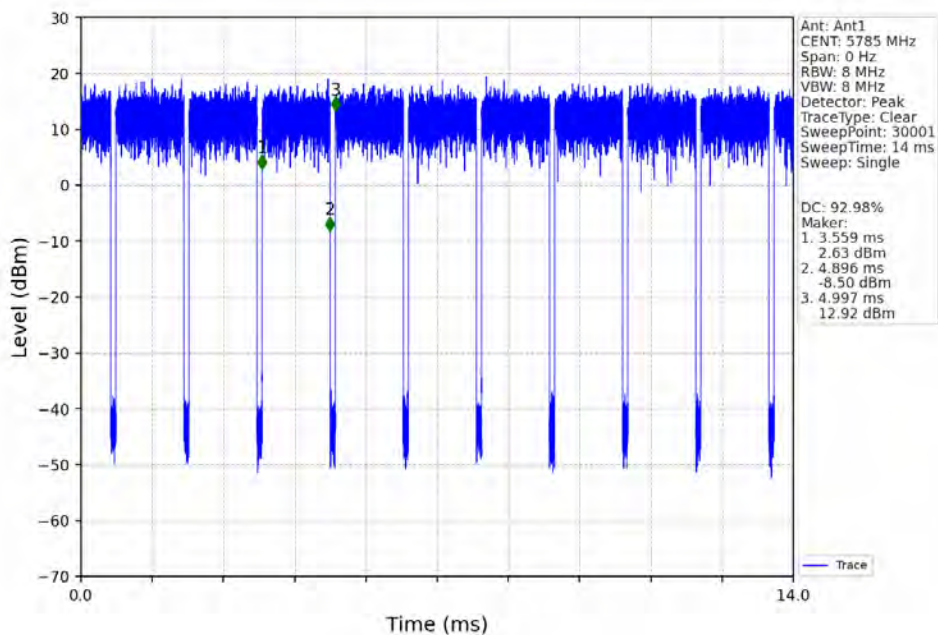
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



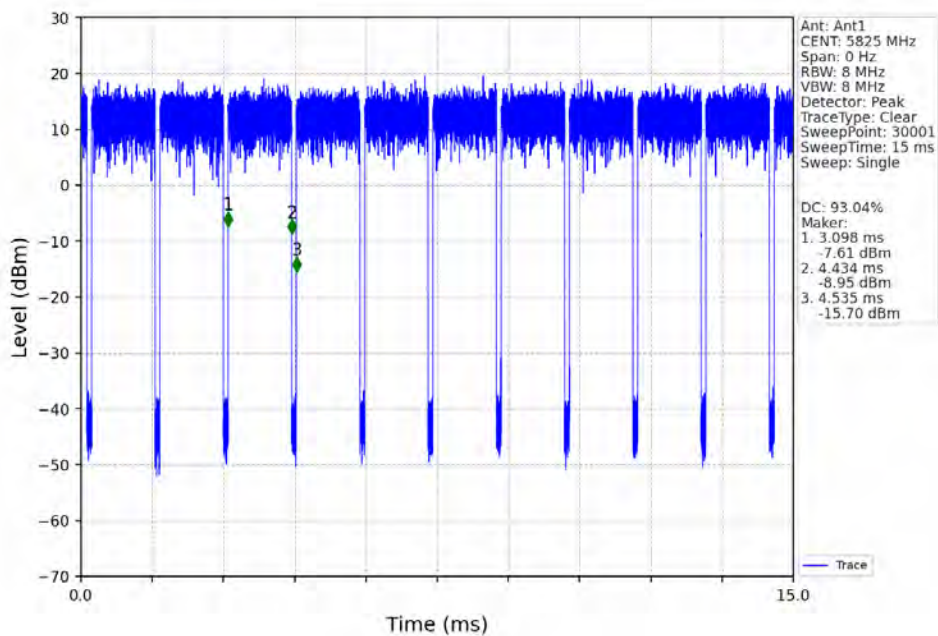
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



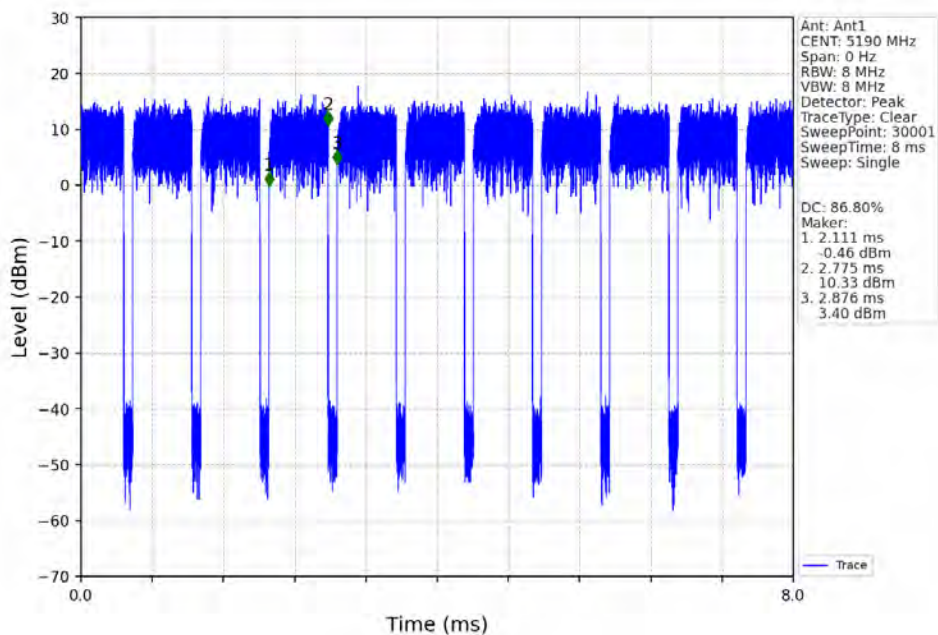
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



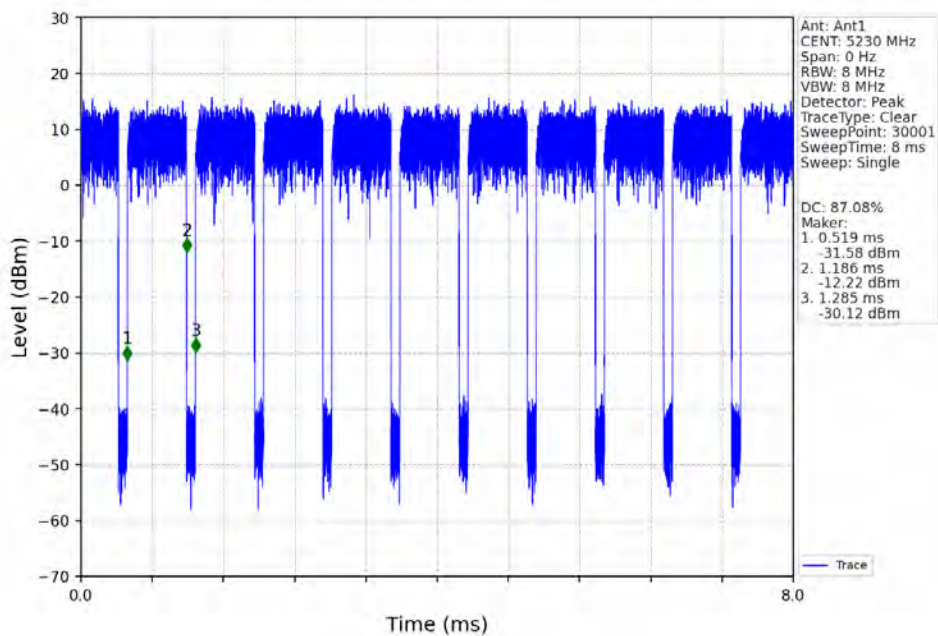
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



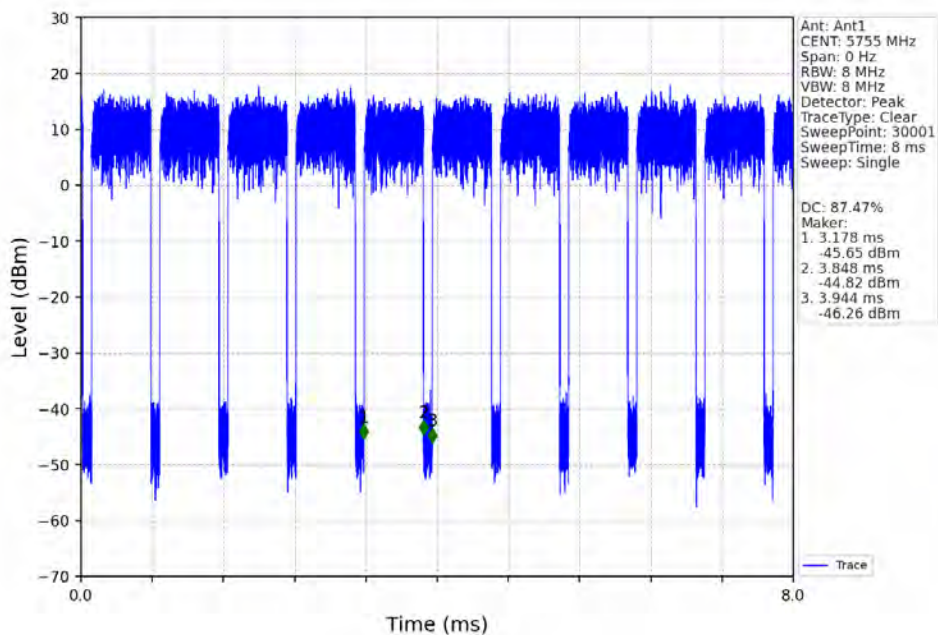
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



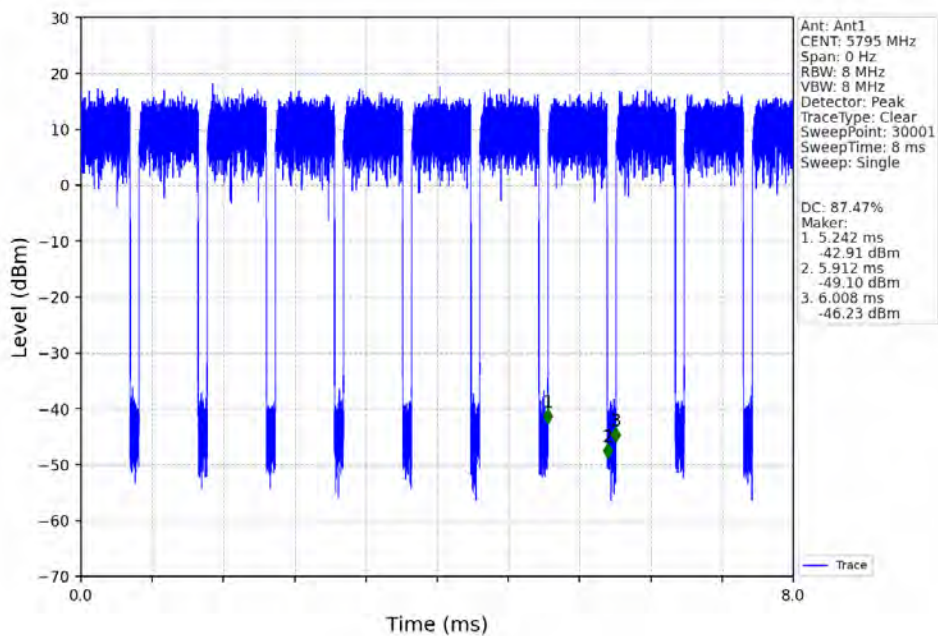
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



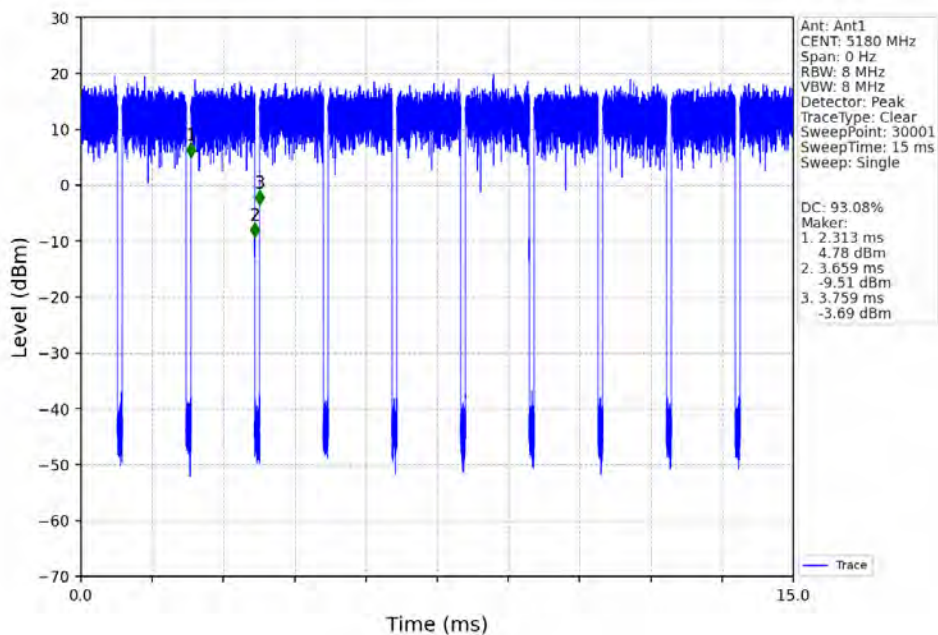
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



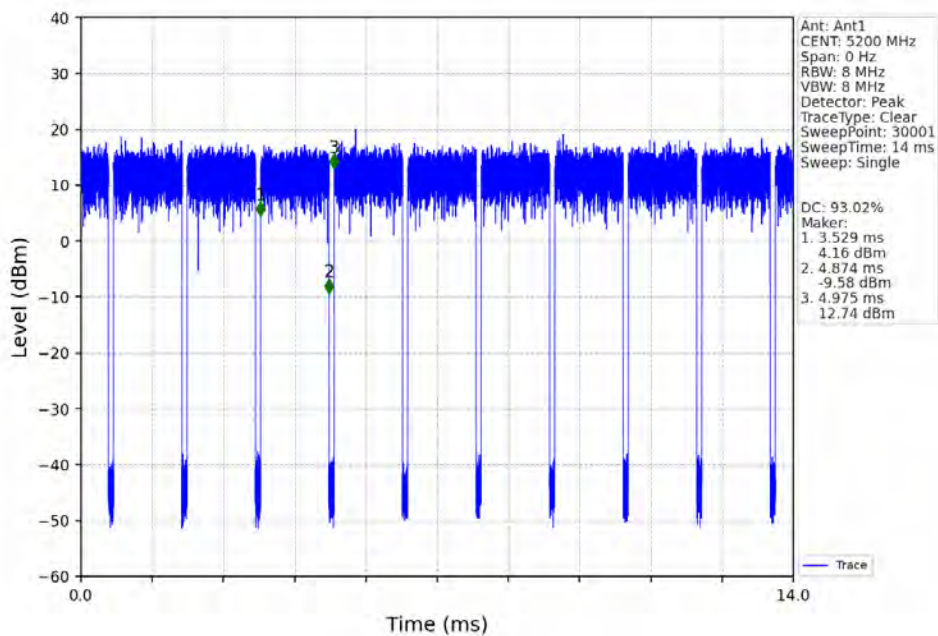
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



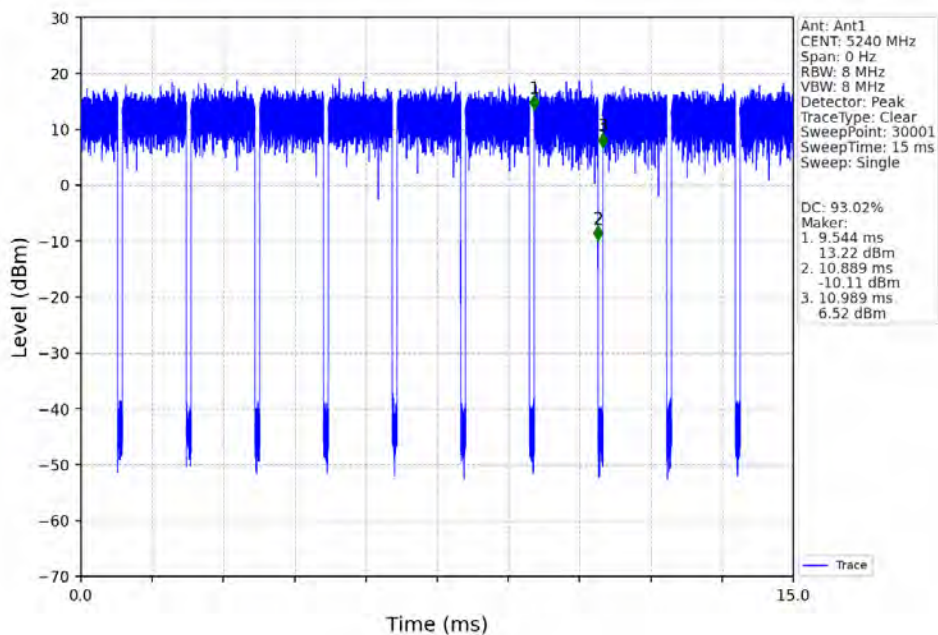
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



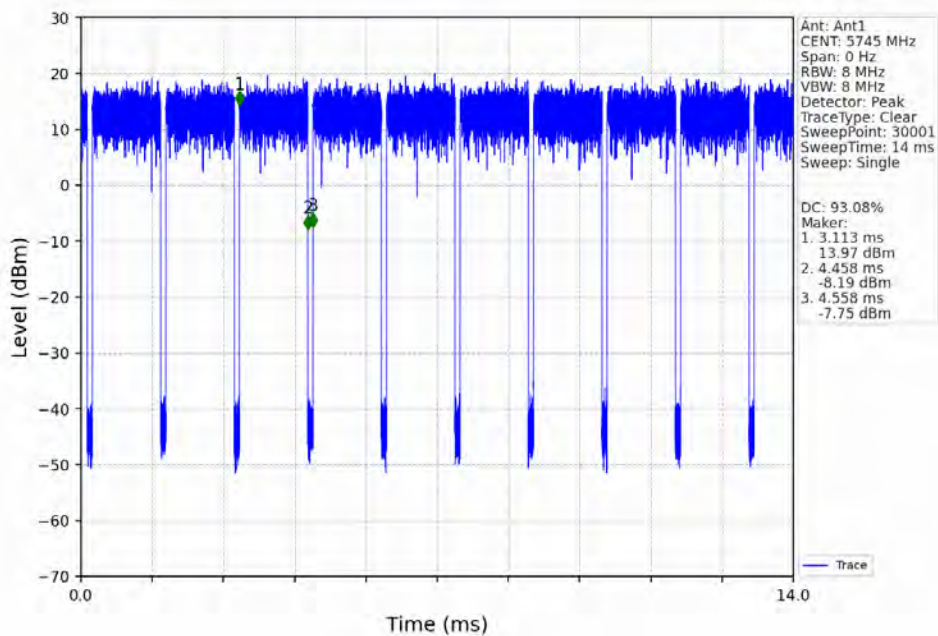
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



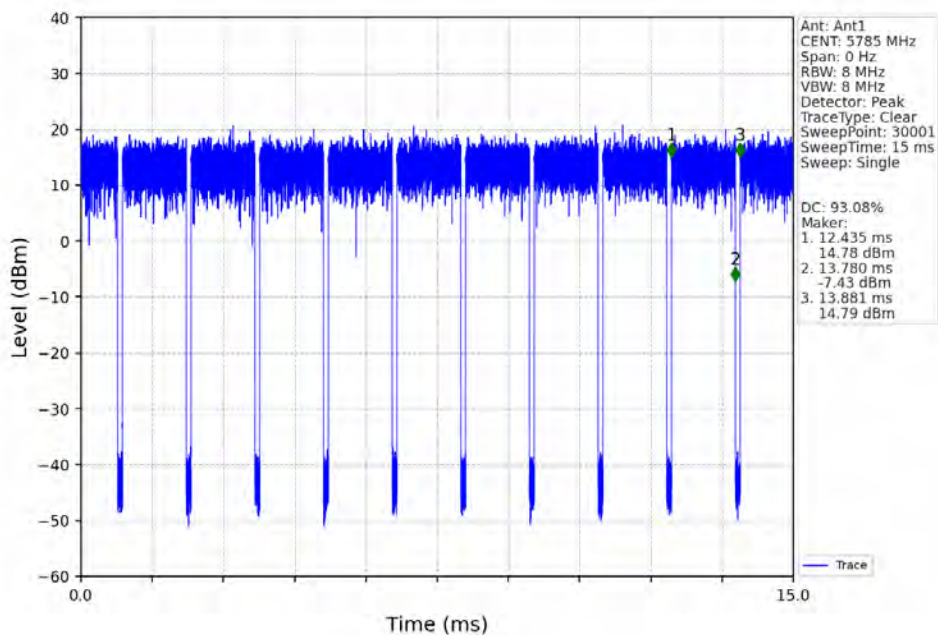
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



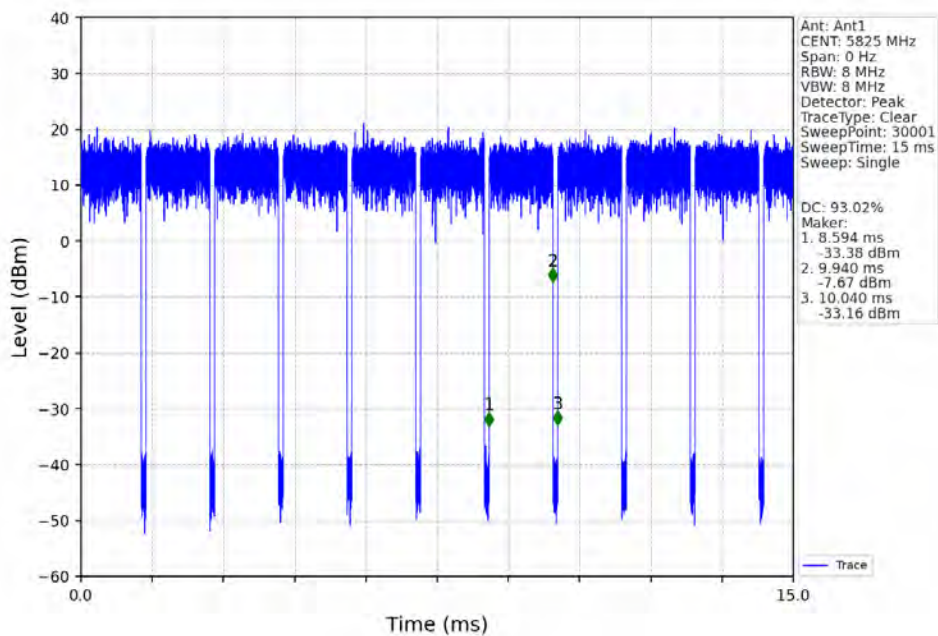
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



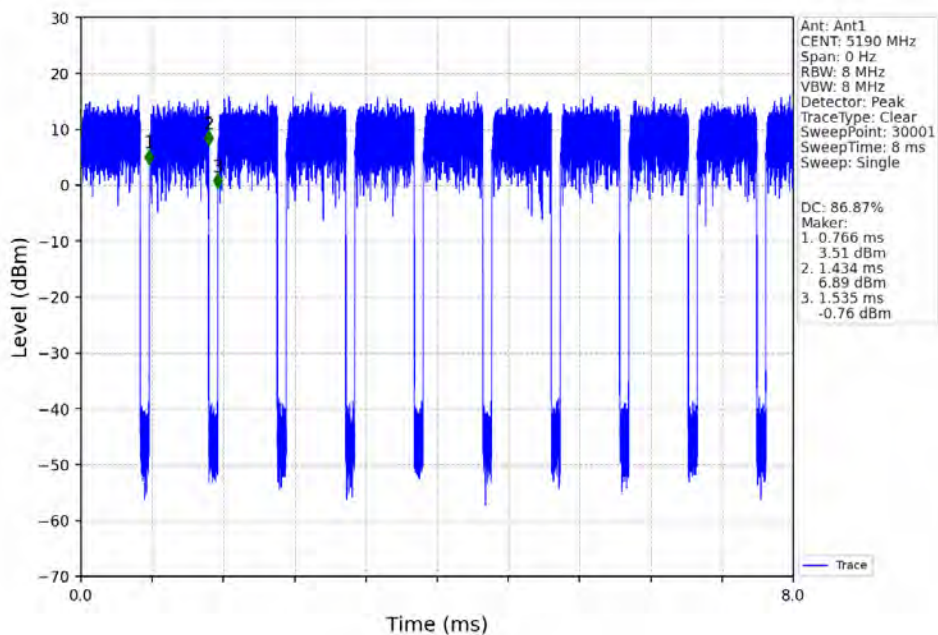
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



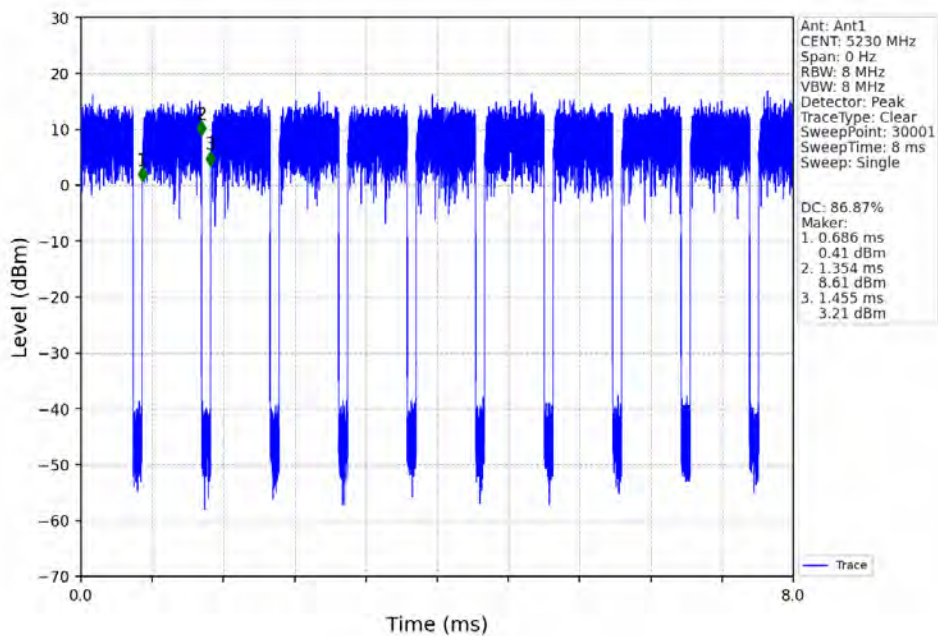
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



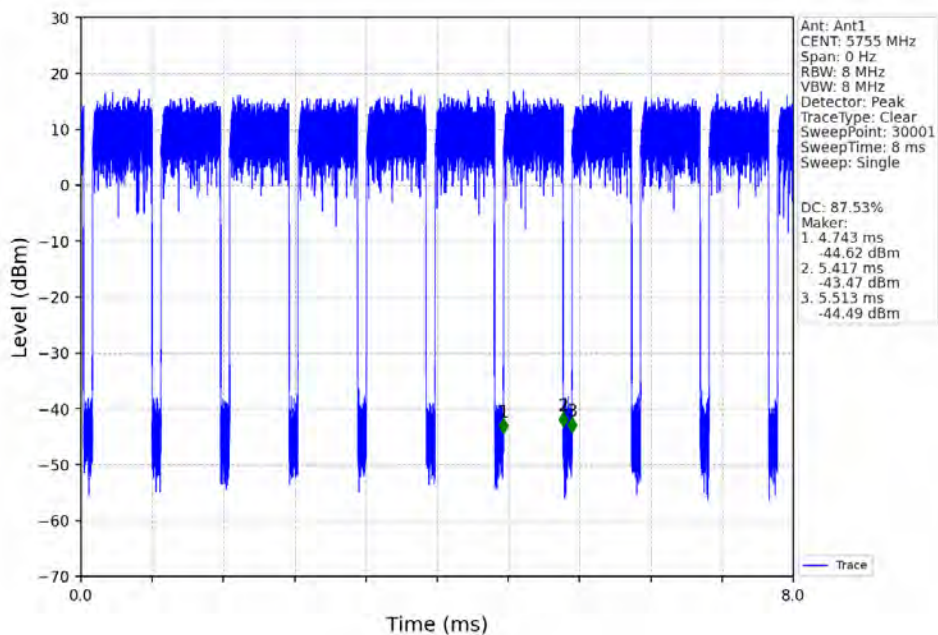
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



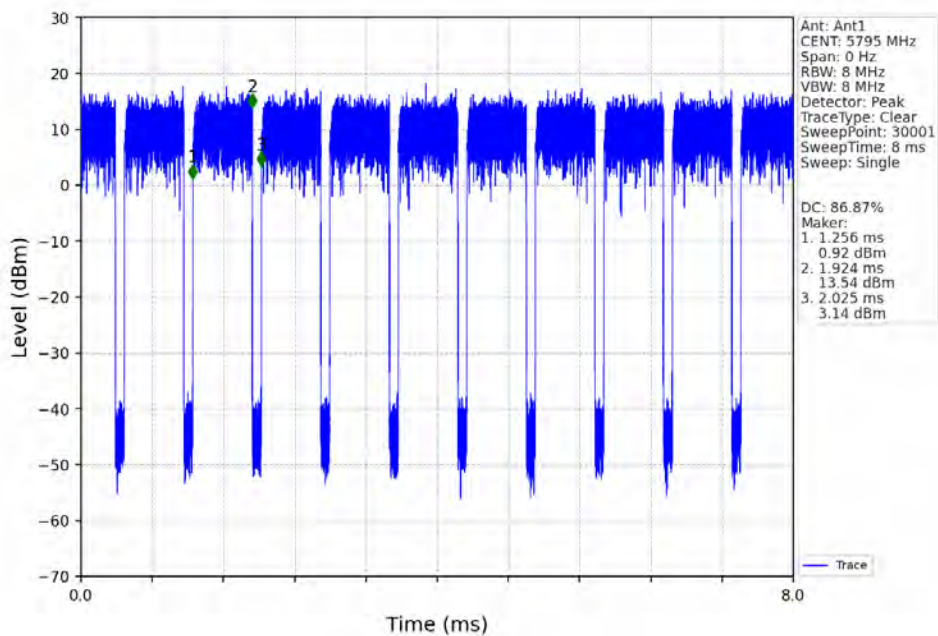
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



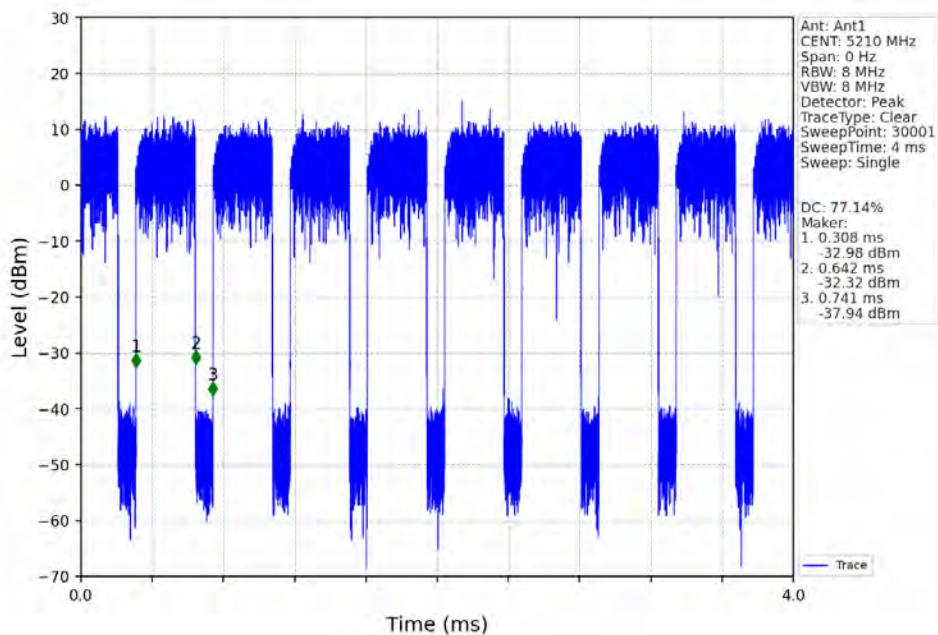
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



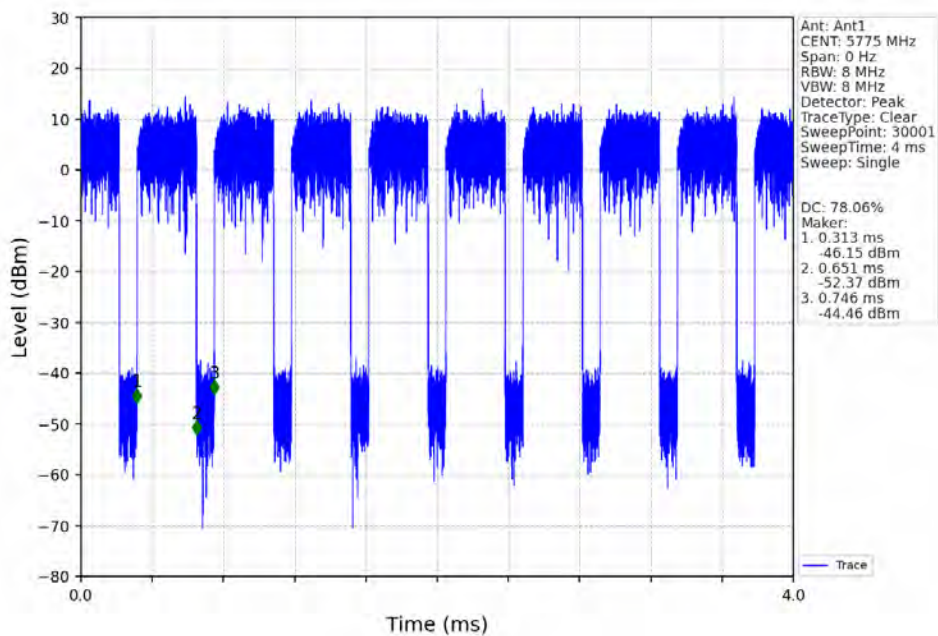
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	17.863	/	Pass
		5200	1	17.683	/	Pass
		5240	1	17.684	/	Pass
		5745	1	17.673	/	Pass
		5785	1	17.646	/	Pass
		5825	1	17.642	/	Pass
802.11n (HT20)	SISO	5180	1	18.534	/	Pass
		5200	1	18.577	/	Pass
		5240	1	18.606	/	Pass
		5745	1	18.607	/	Pass
		5785	1	18.497	/	Pass
		5825	1	18.568	/	Pass
802.11n (HT40)	SISO	5190	1	36.502	/	Pass
		5230	1	36.426	/	Pass
		5755	1	36.503	/	Pass
		5795	1	36.477	/	Pass
802.11ac (VHT20)	SISO	5180	1	18.620	/	Pass
		5200	1	18.600	/	Pass
		5240	1	18.698	/	Pass
		5745	1	18.541	/	Pass
		5785	1	18.566	/	Pass
		5825	1	18.496	/	Pass
802.11ac (VHT40)	SISO	5190	1	36.513	/	Pass
		5230	1	36.372	/	Pass
		5755	1	36.532	/	Pass
		5795	1	36.438	/	Pass
802.11ac (VHT80)	SISO	5210	1	76.020	/	Pass
		5775	1	76.077	/	Pass

2.1.2 26dB BW

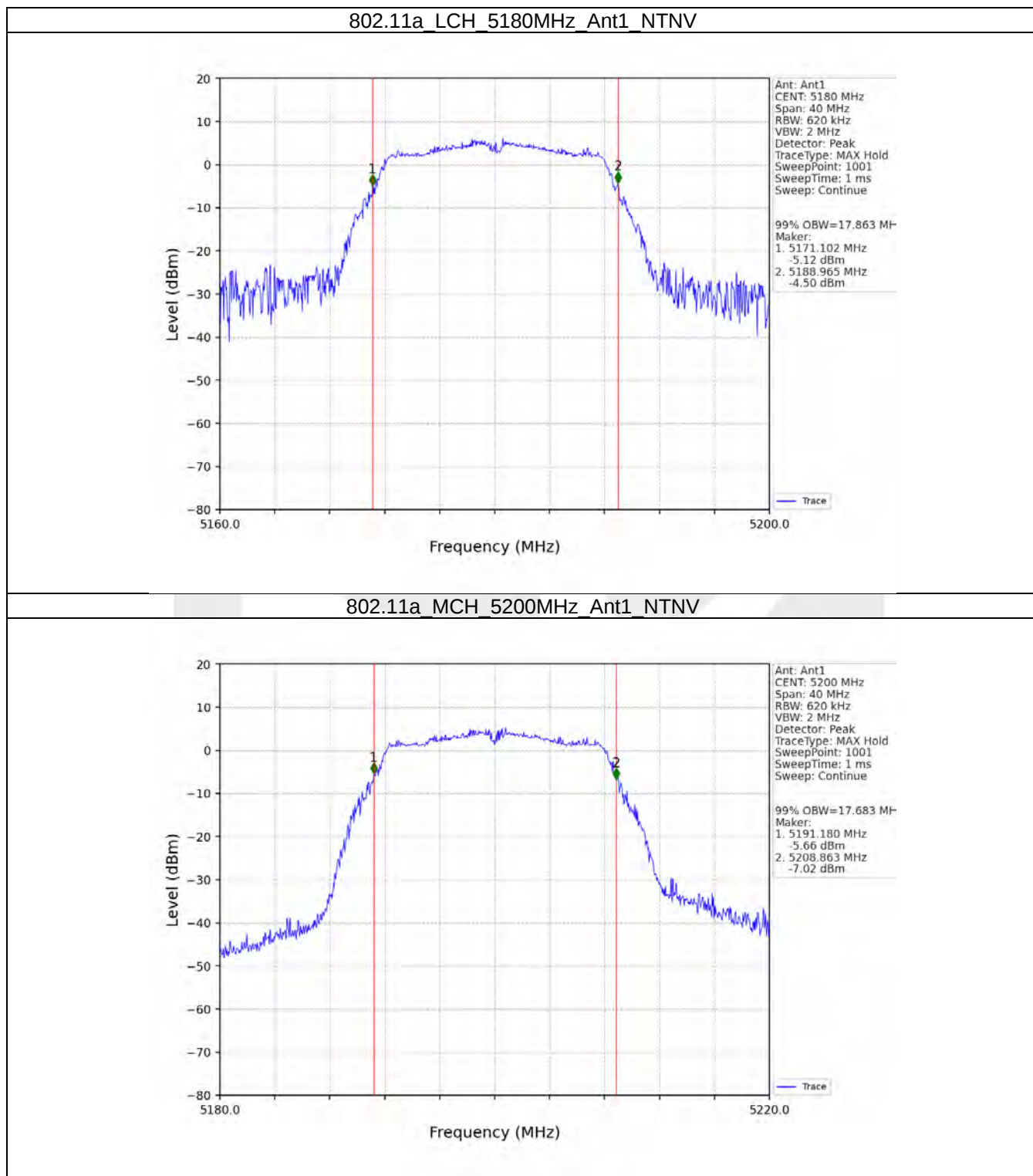
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	21.900	/	Pass
		5200	1	22.238	/	Pass
		5240	1	21.810	/	Pass
802.11n (HT20)	SISO	5180	1	21.569	/	Pass
		5200	1	21.730	/	Pass
		5240	1	21.833	/	Pass
802.11n (HT40)	SISO	5190	1	43.924	/	Pass
		5230	1	40.088	/	Pass
802.11ac (VHT20)	SISO	5180	1	21.913	/	Pass
		5200	1	21.971	/	Pass
		5240	1	21.761	/	Pass
802.11ac (VHT40)	SISO	5190	1	40.516	/	Pass
		5230	1	40.655	/	Pass
802.11ac (VHT80)	SISO	5210	1	81.446	/	Pass

2.1.3 6dB BW

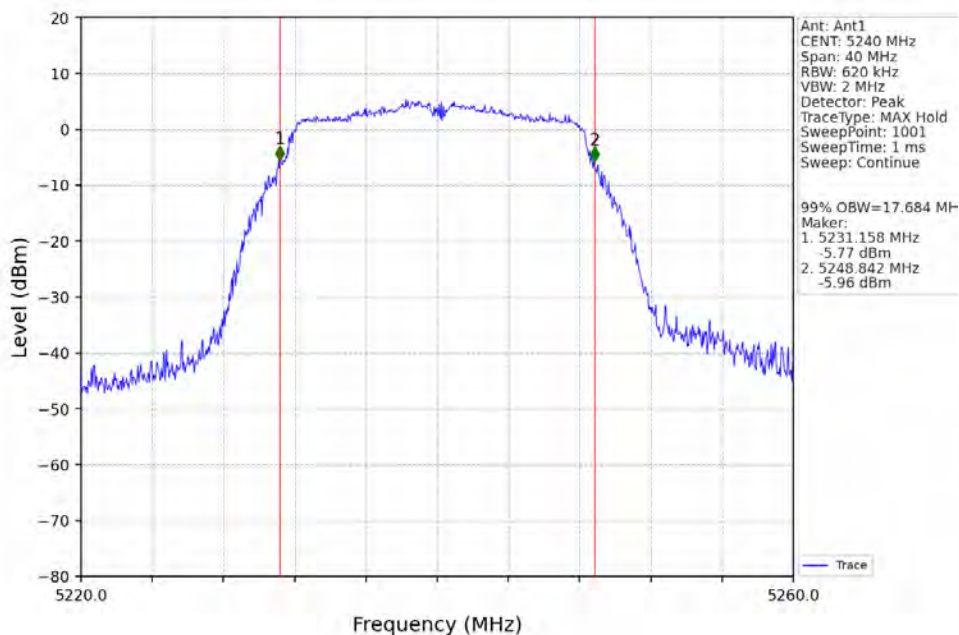
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.342	≥ 0.5	Pass
		5785	1	16.302	≥ 0.5	Pass
		5825	1	16.297	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	17.134	≥ 0.5	Pass
		5785	1	17.337	≥ 0.5	Pass
		5825	1	16.950	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	36.072	≥ 0.5	Pass
		5795	1	35.674	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	16.989	≥ 0.5	Pass
		5785	1	17.048	≥ 0.5	Pass
		5825	1	17.598	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.479	≥ 0.5	Pass
		5795	1	35.680	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.185	≥ 0.5	Pass

2.2 Test Graph

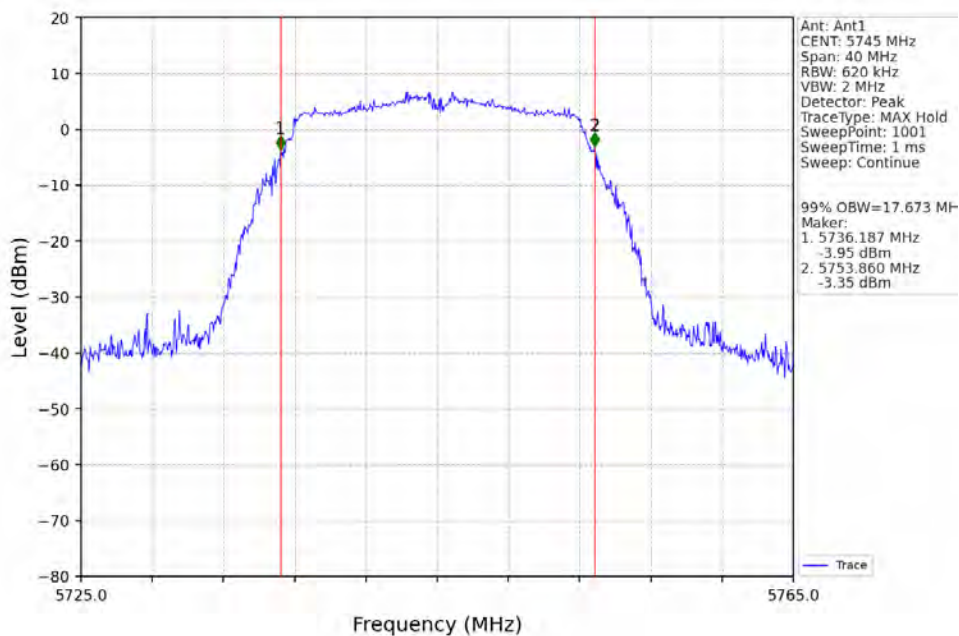
2.2.1 OBW



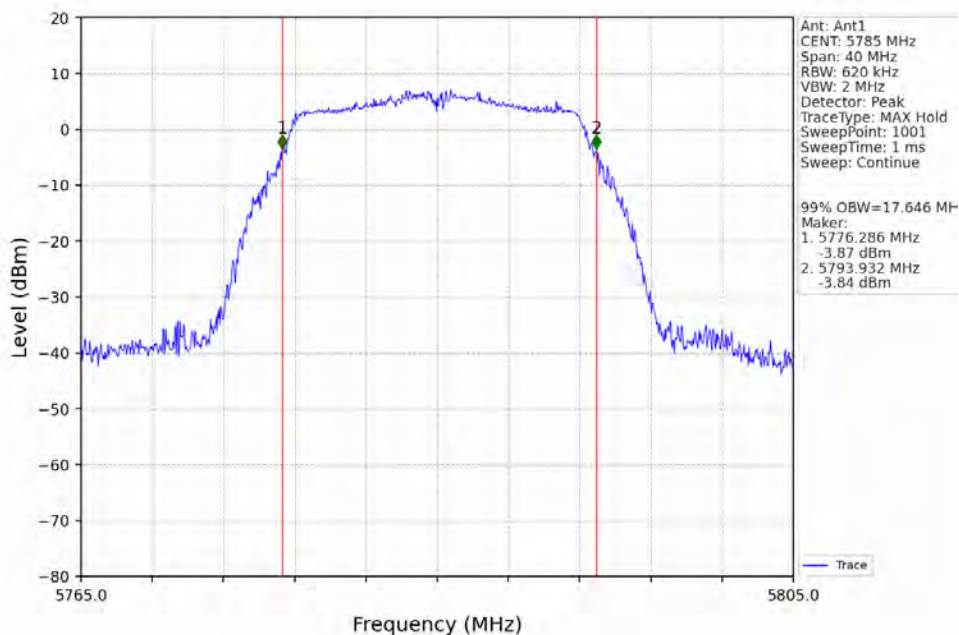
802.11a_HCH_5240MHz_Ant1_NTNV



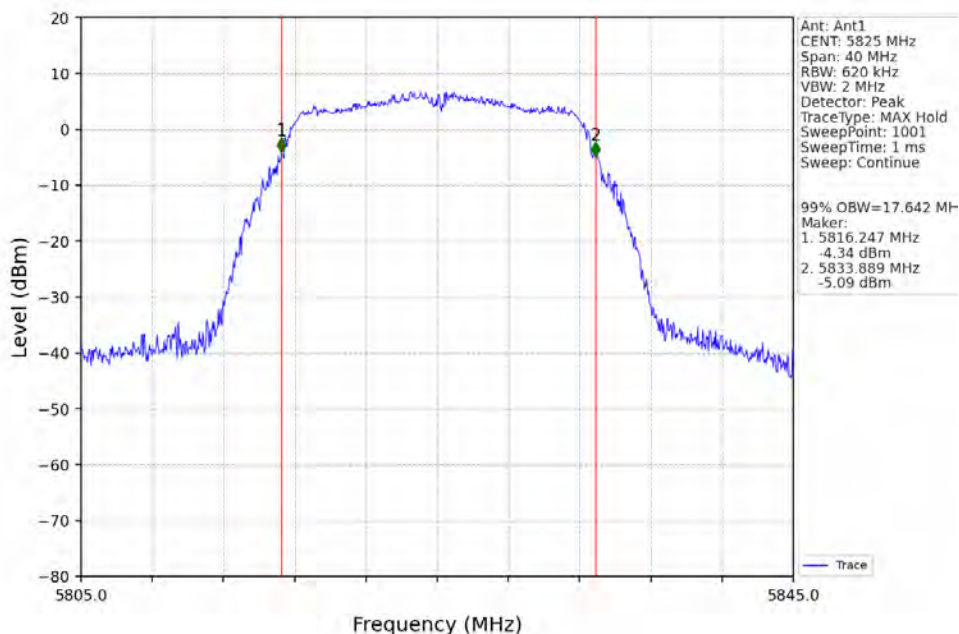
802.11a_LCH_5745MHz_Ant1_NTNV



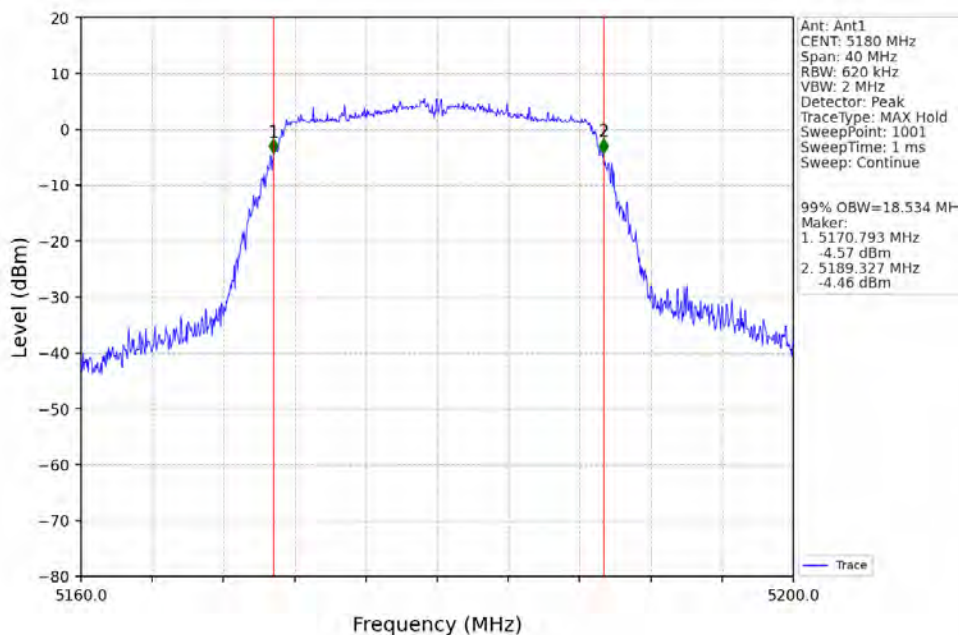
802.11a_MCH_5785MHz_Ant1_NTNV



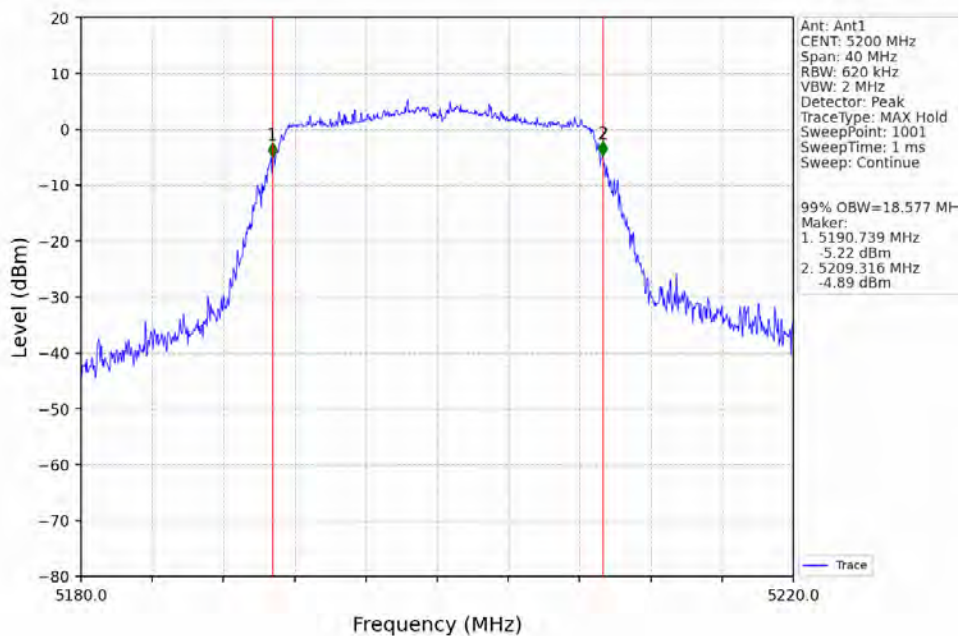
802.11a_HCH_5825MHz_Ant1_NTNV



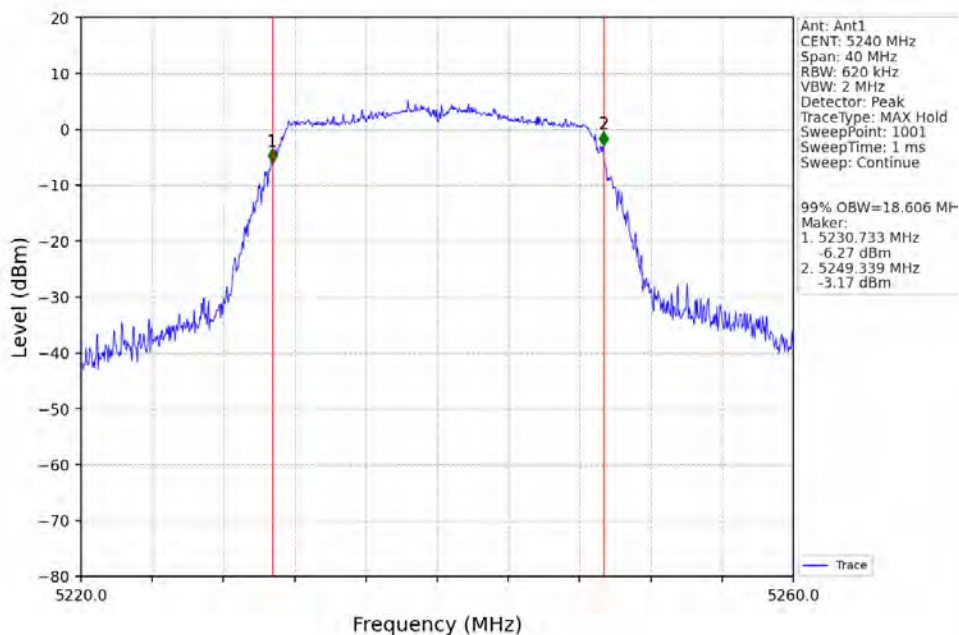
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



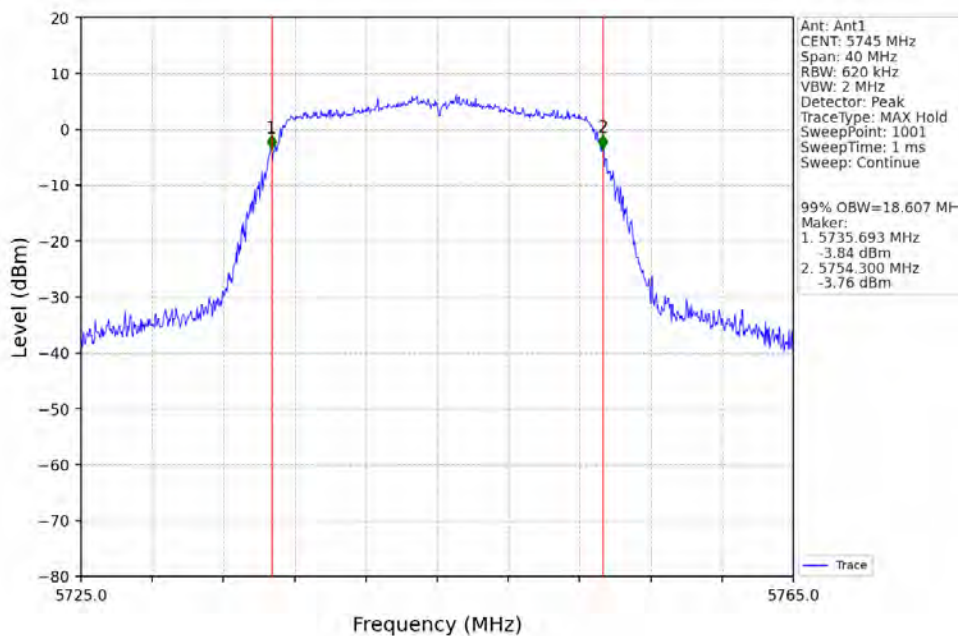
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



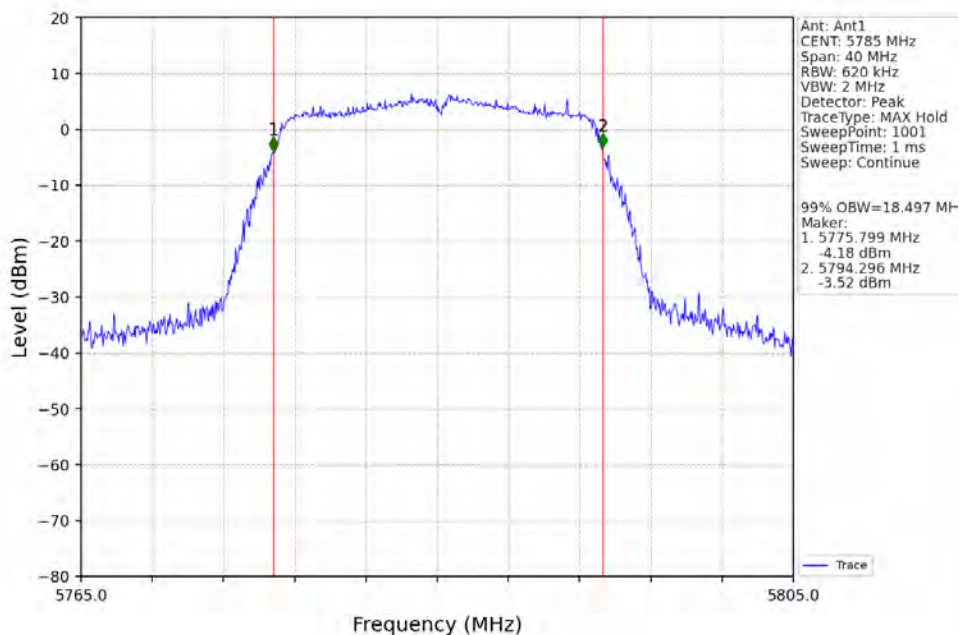
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



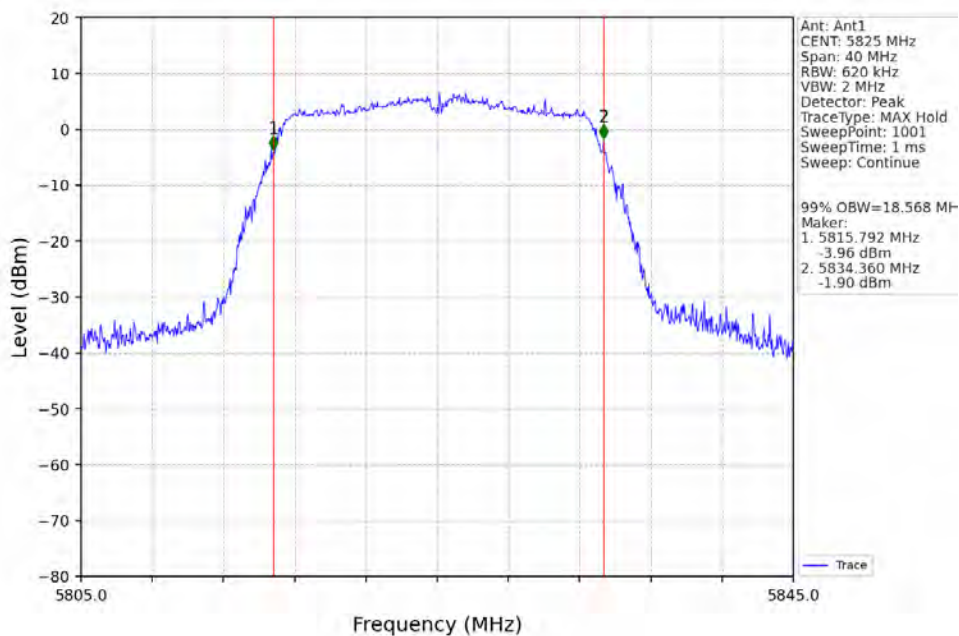
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



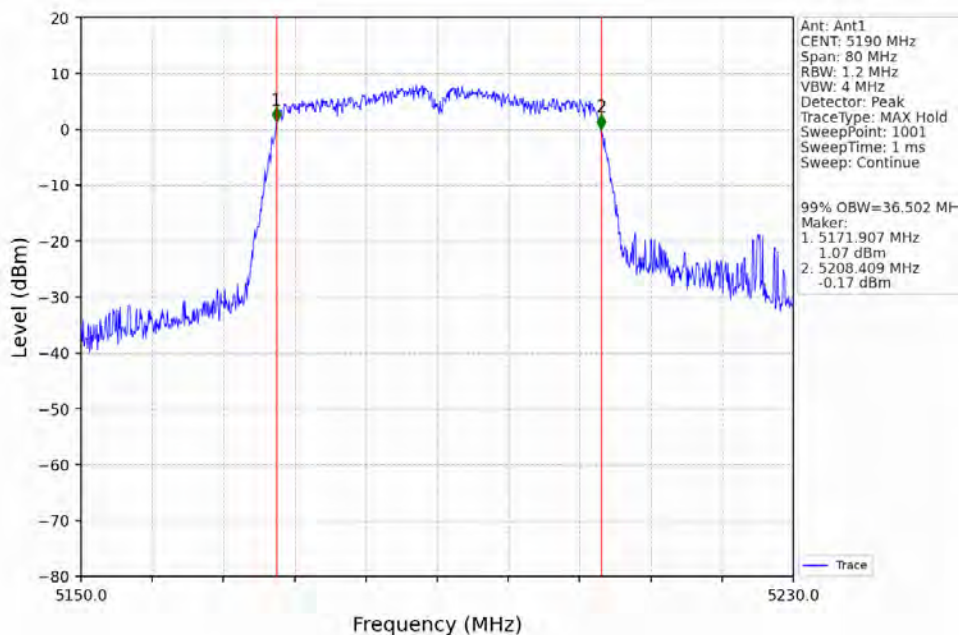
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



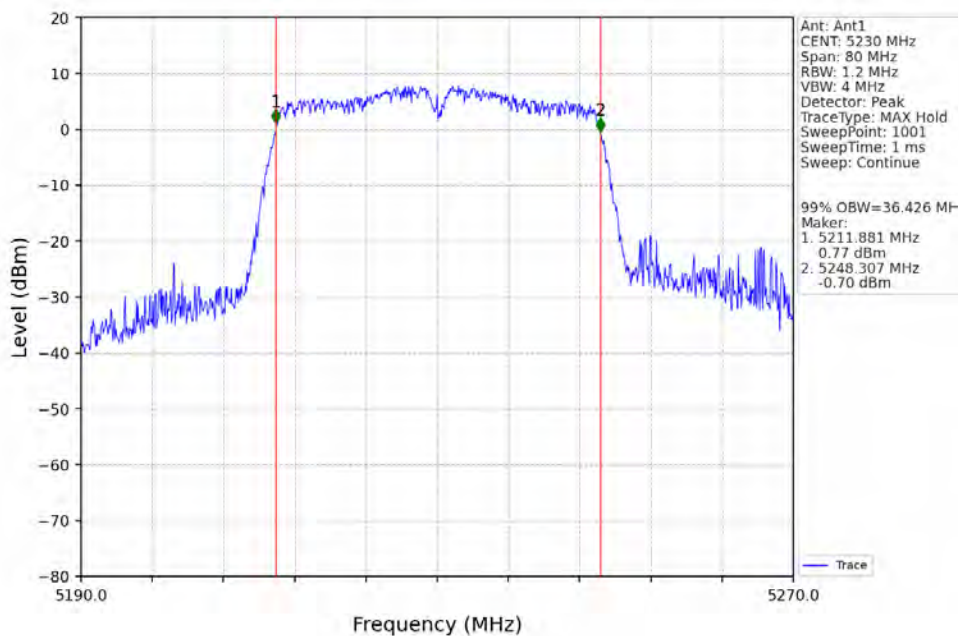
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



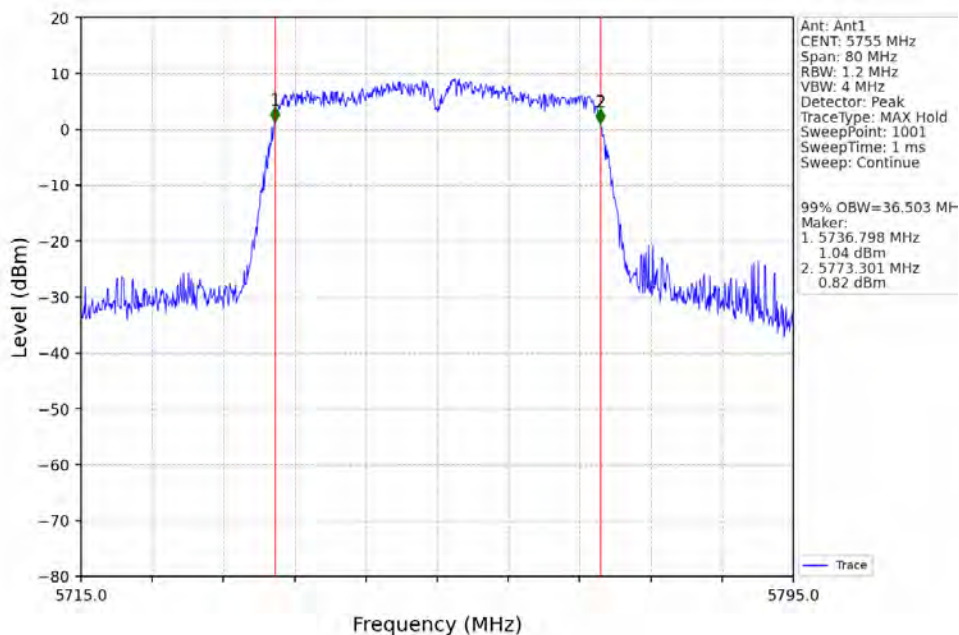
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



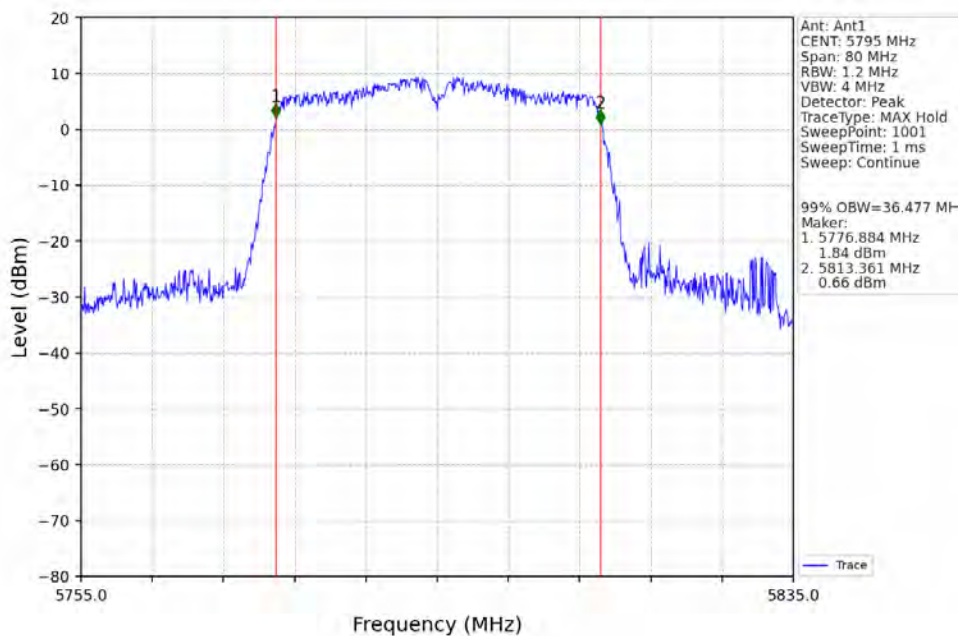
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



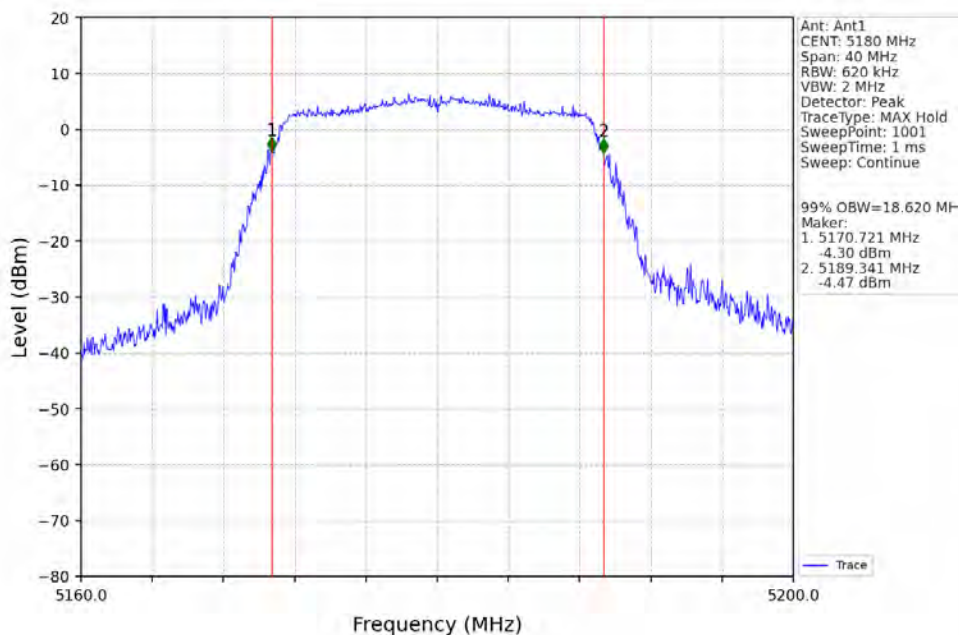
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



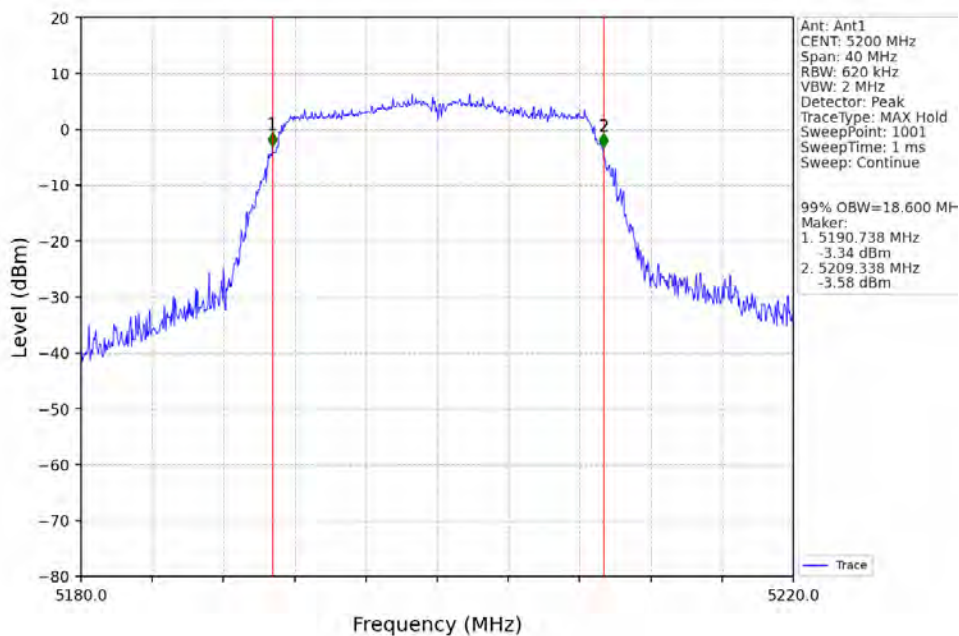
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



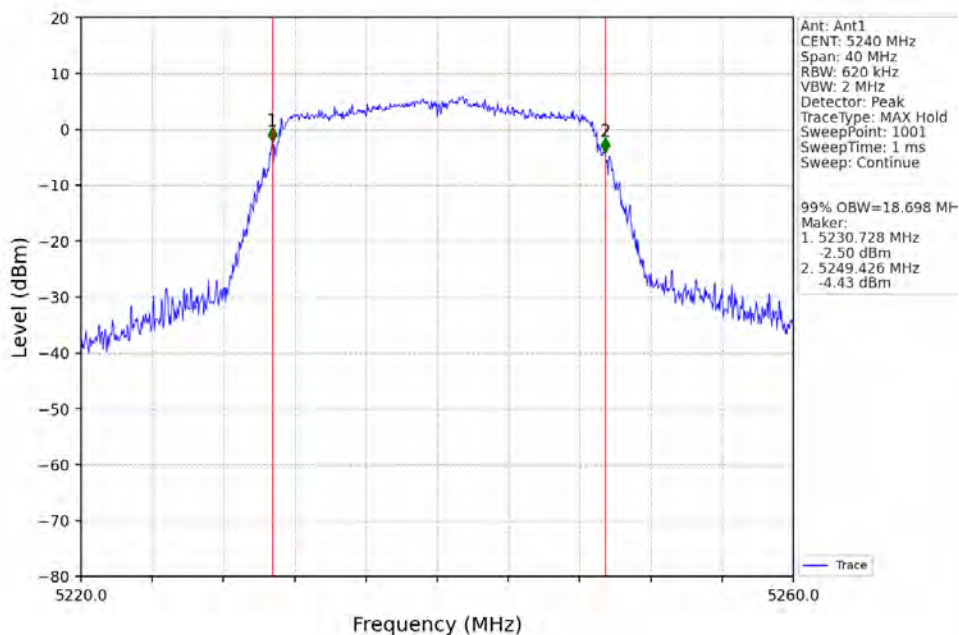
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



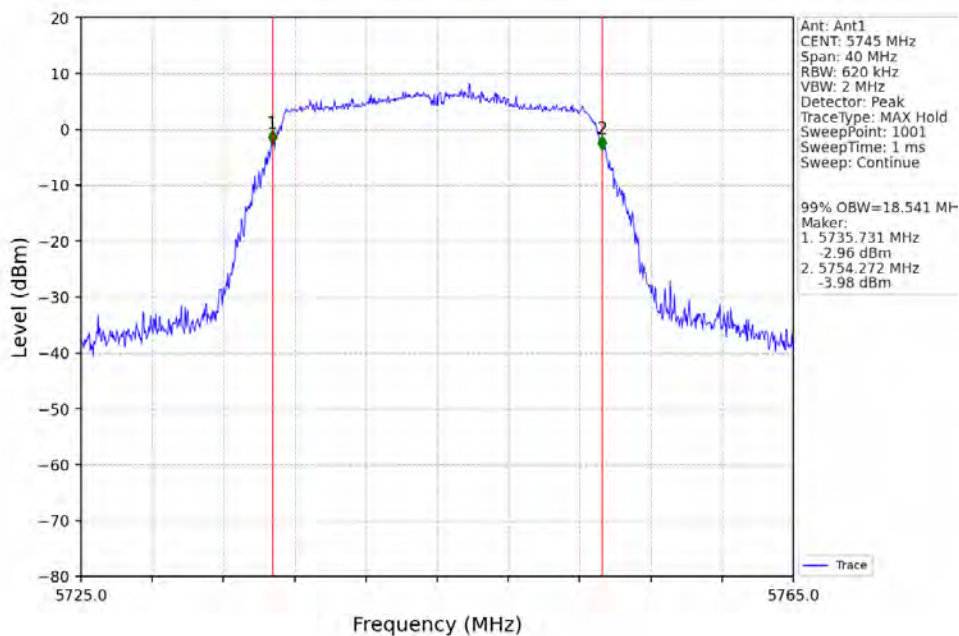
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

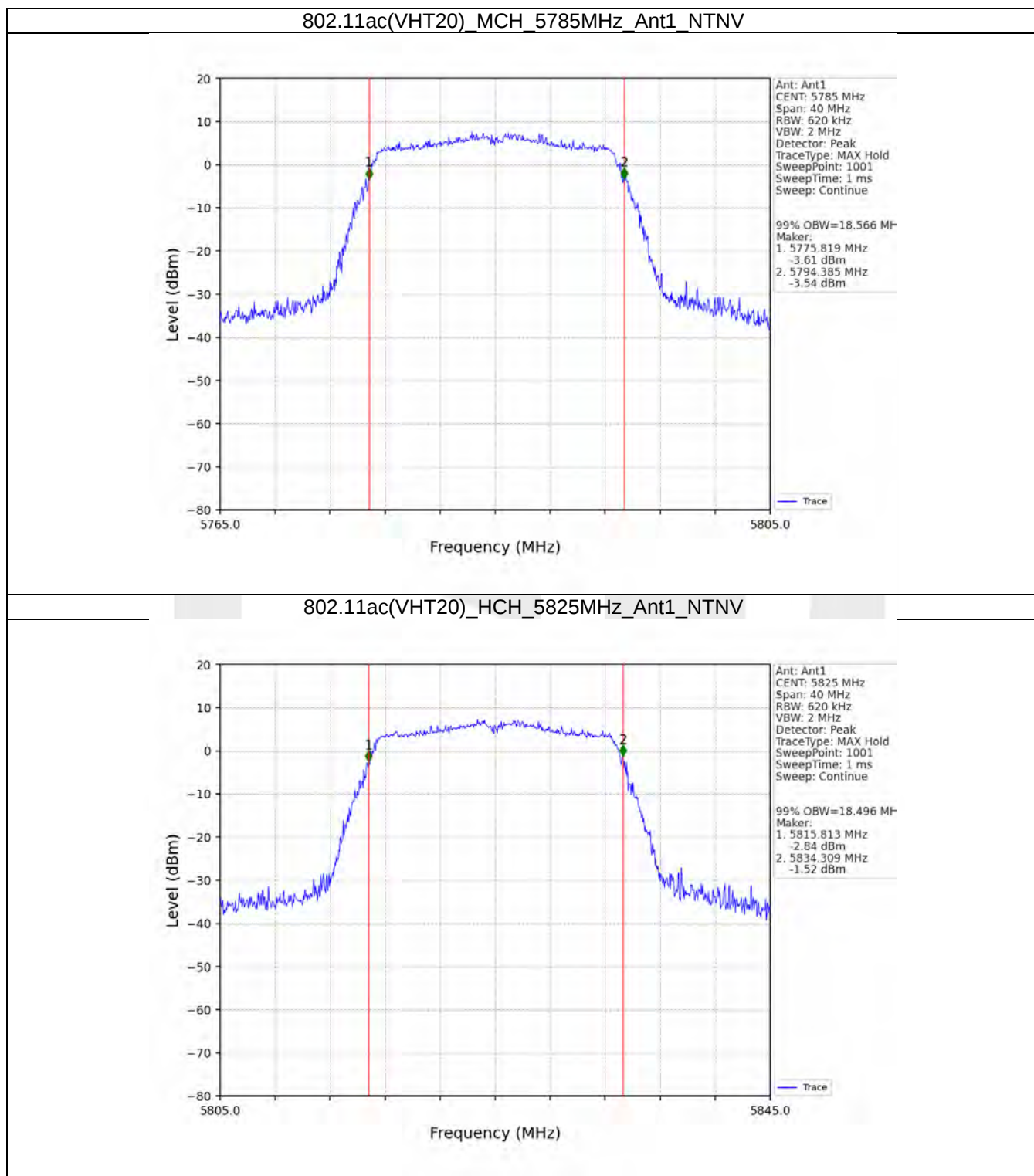


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

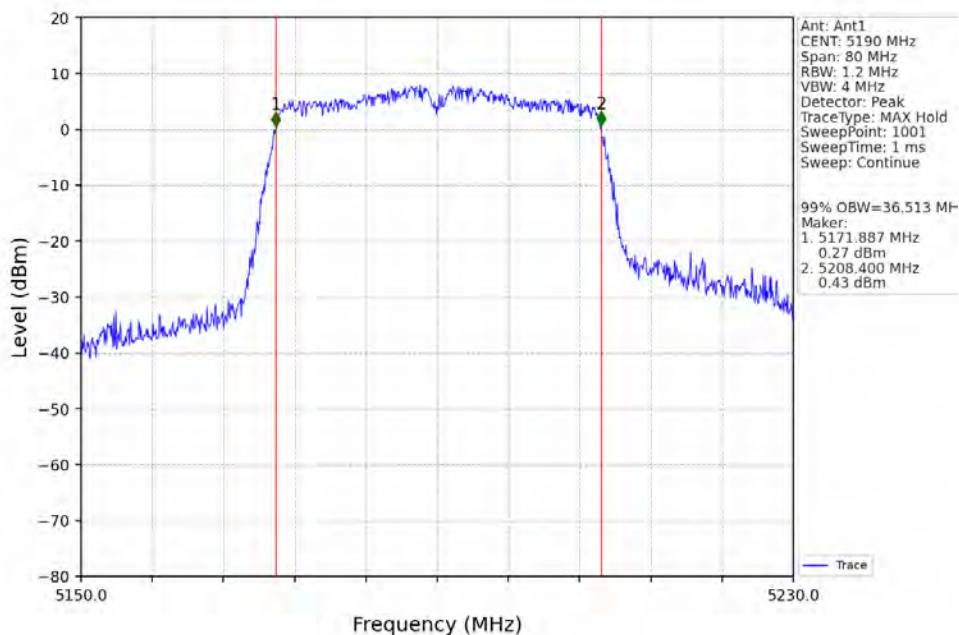


802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

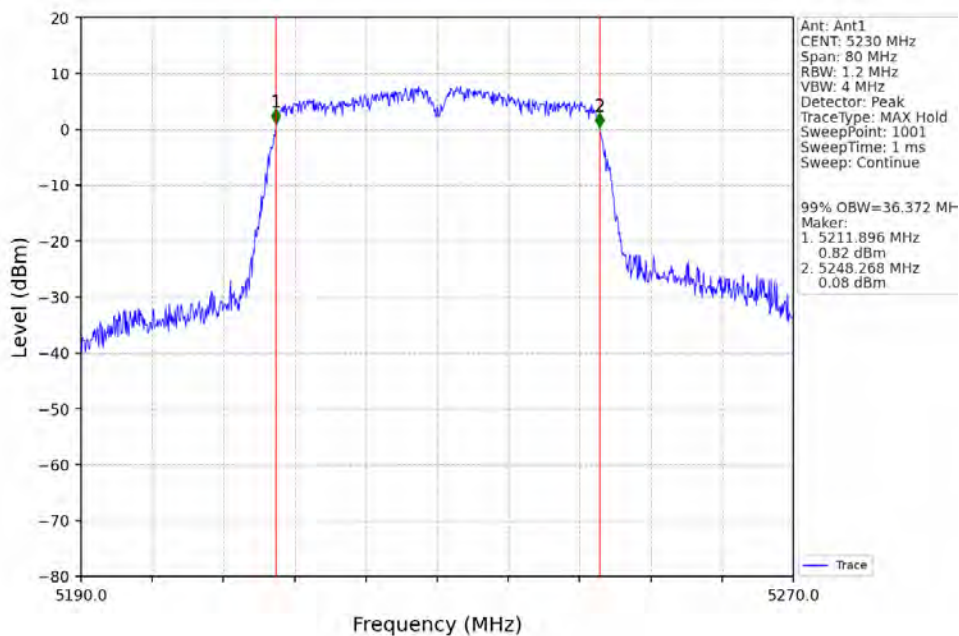




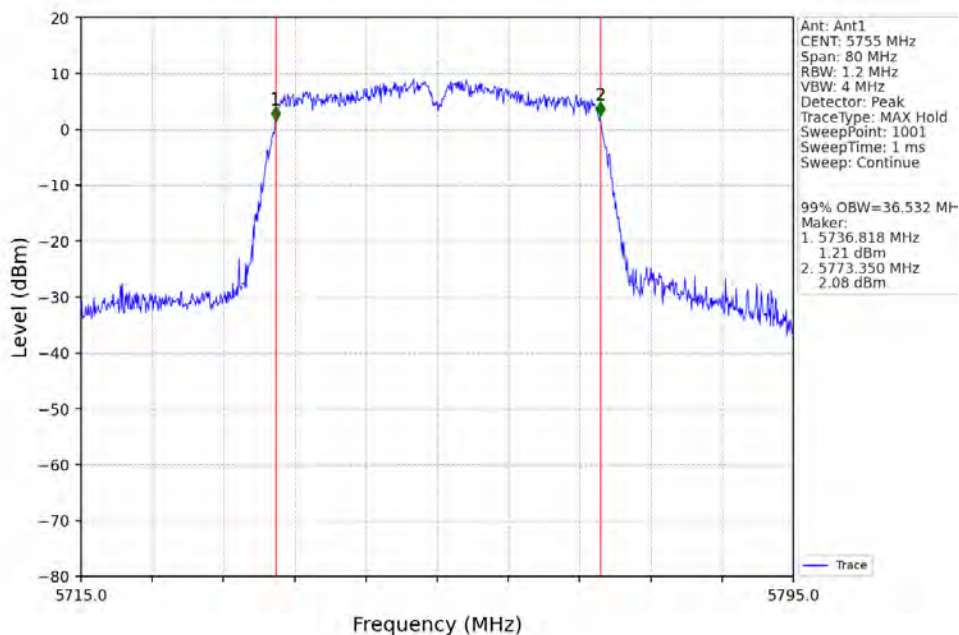
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



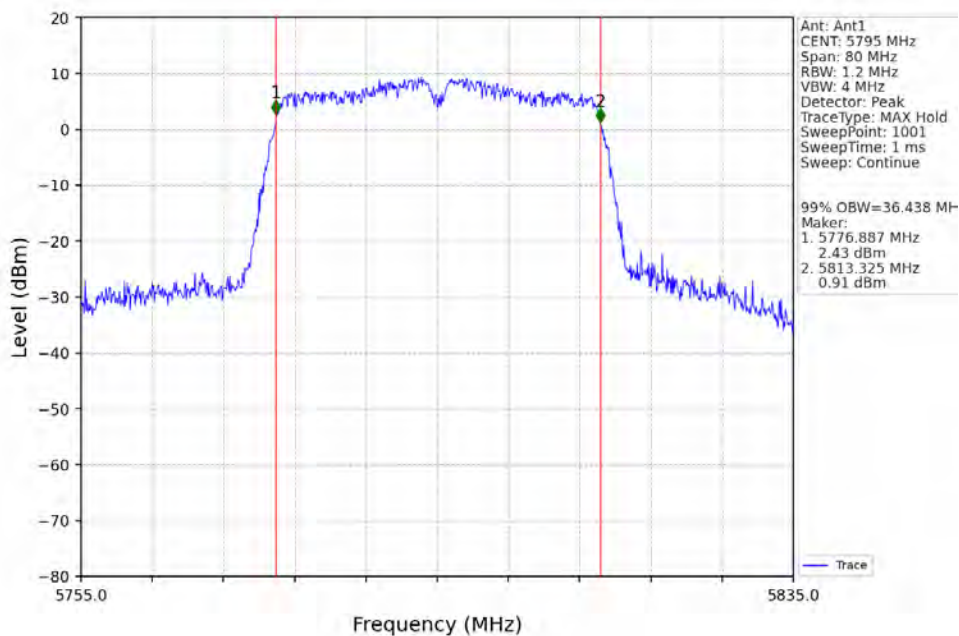
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



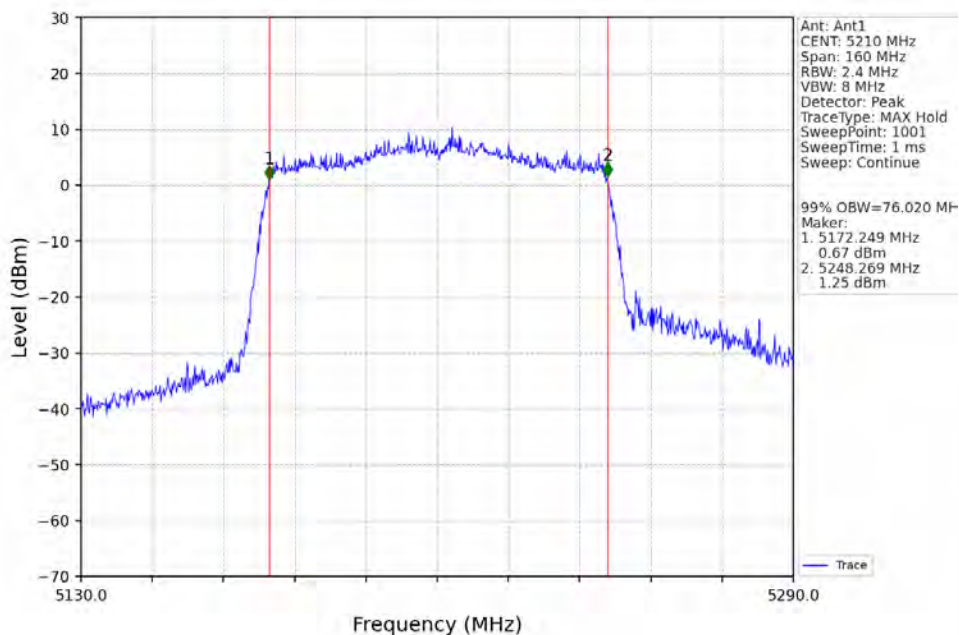
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



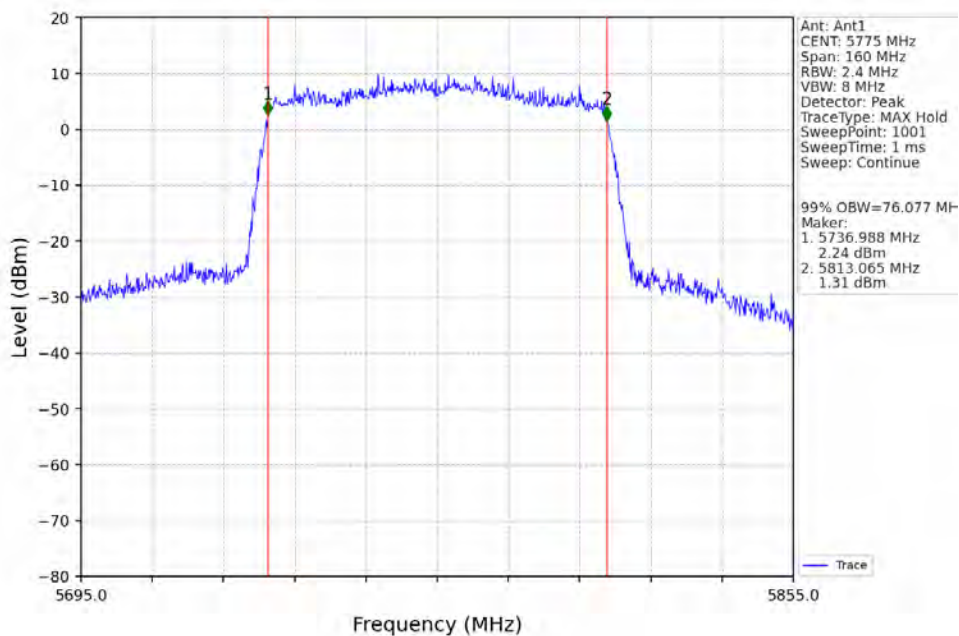
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



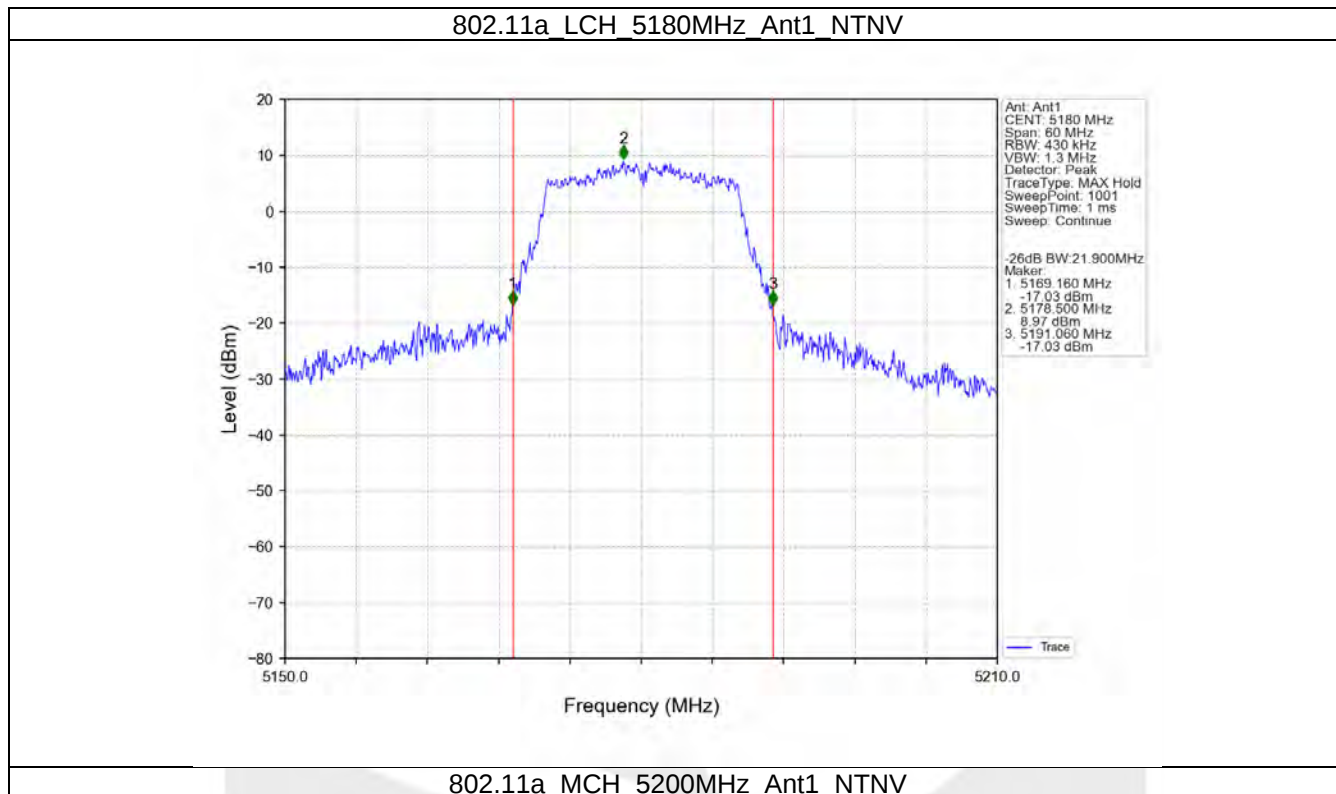
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

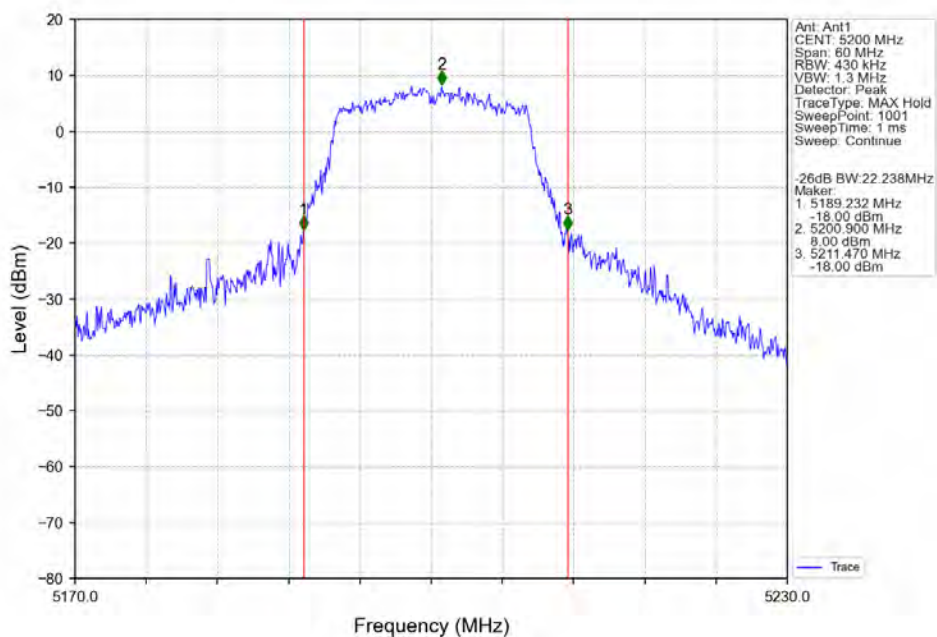


802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

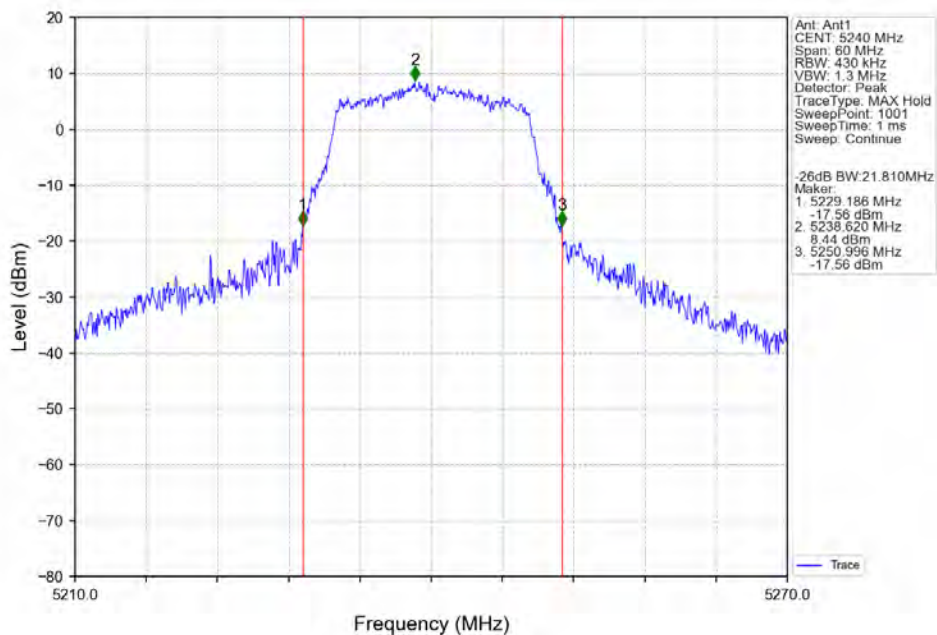


2.2.2 26dB BW

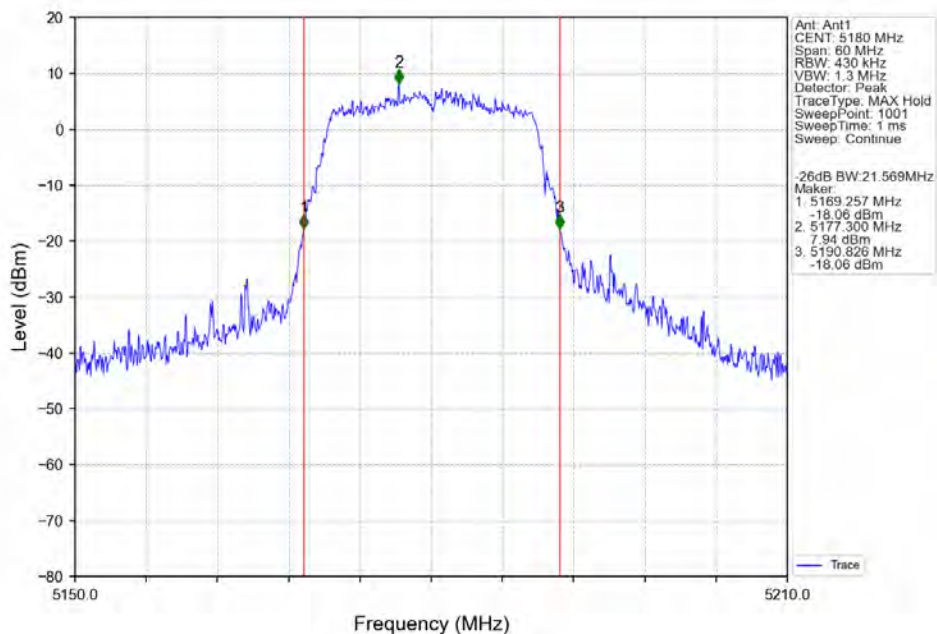




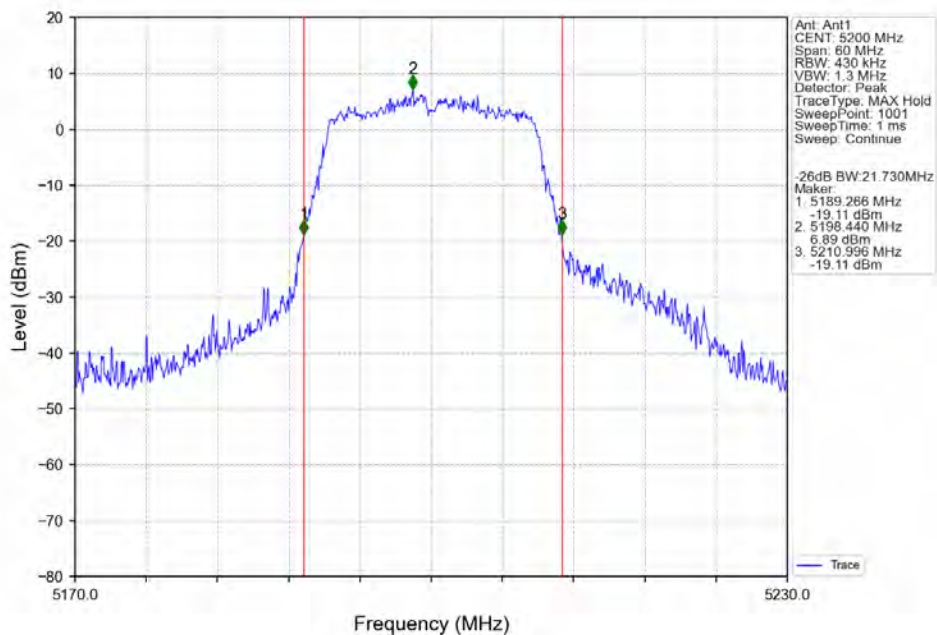
802.11a_HCH_5240MHz_Ant1_NTNV



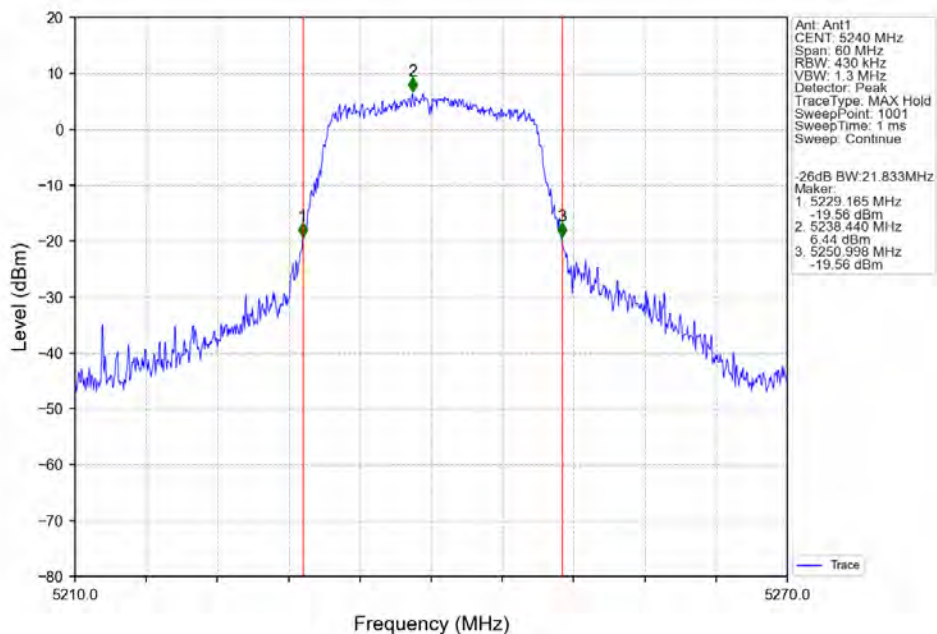
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



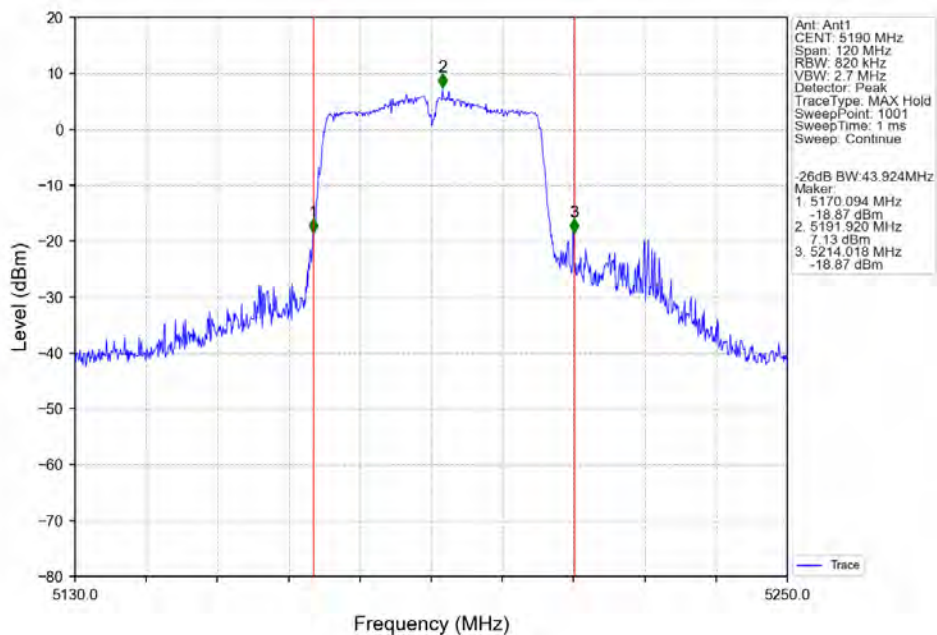
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



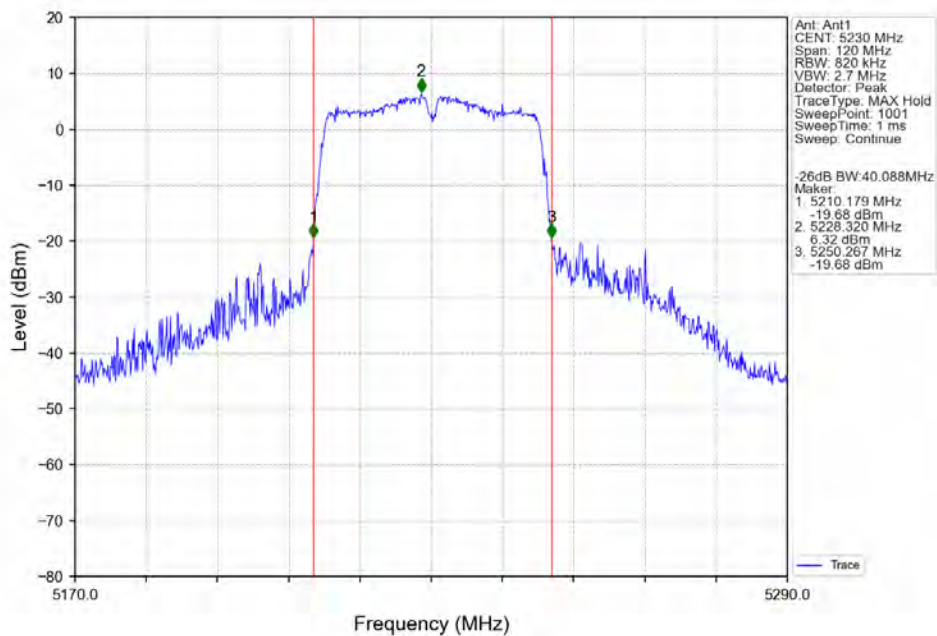
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



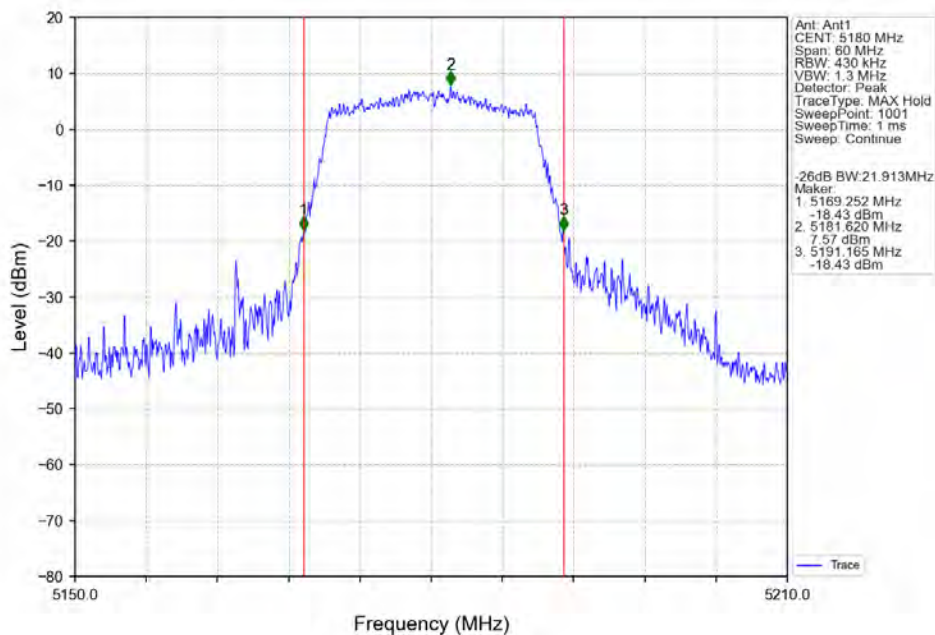
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



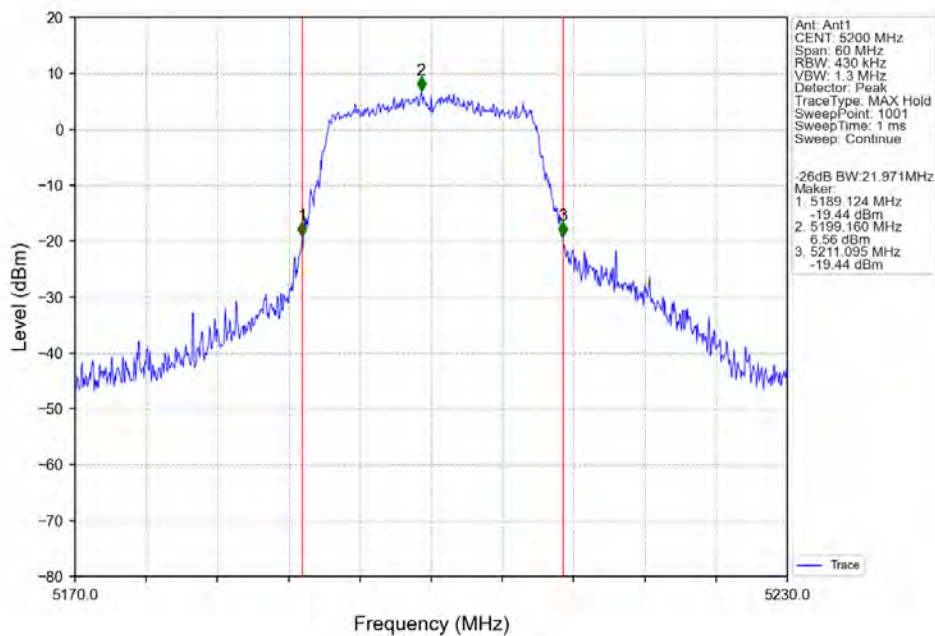
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



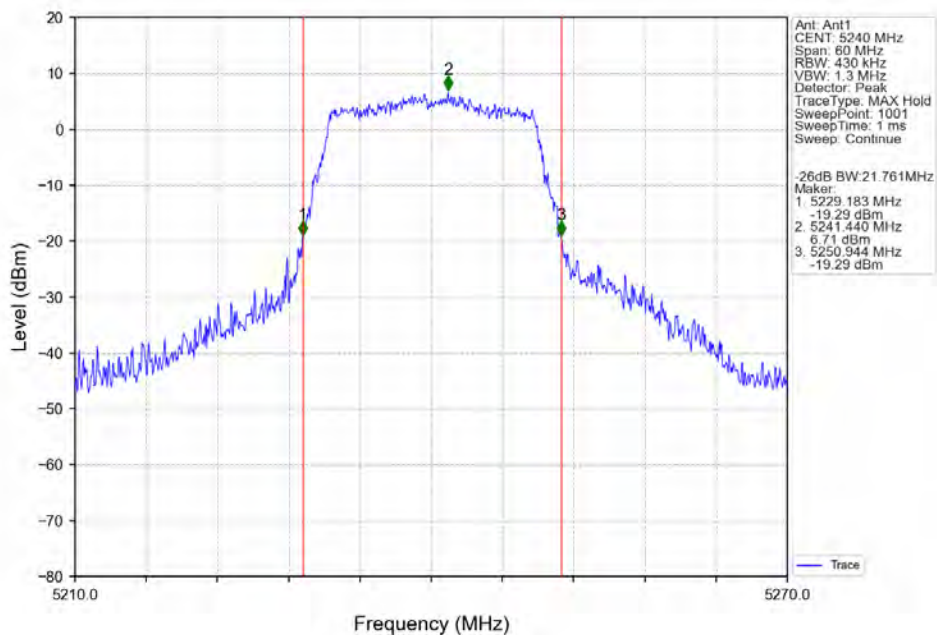
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



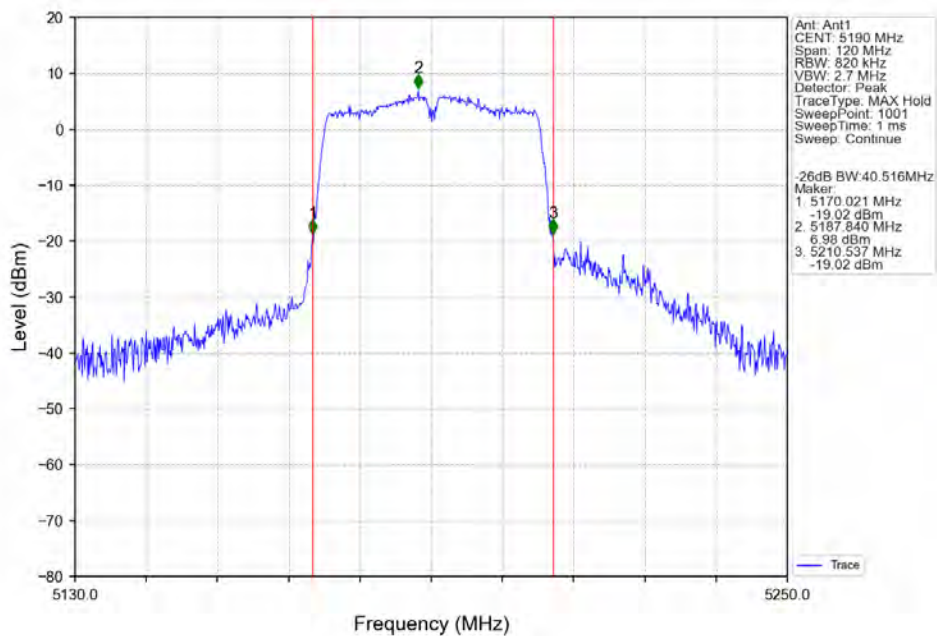
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



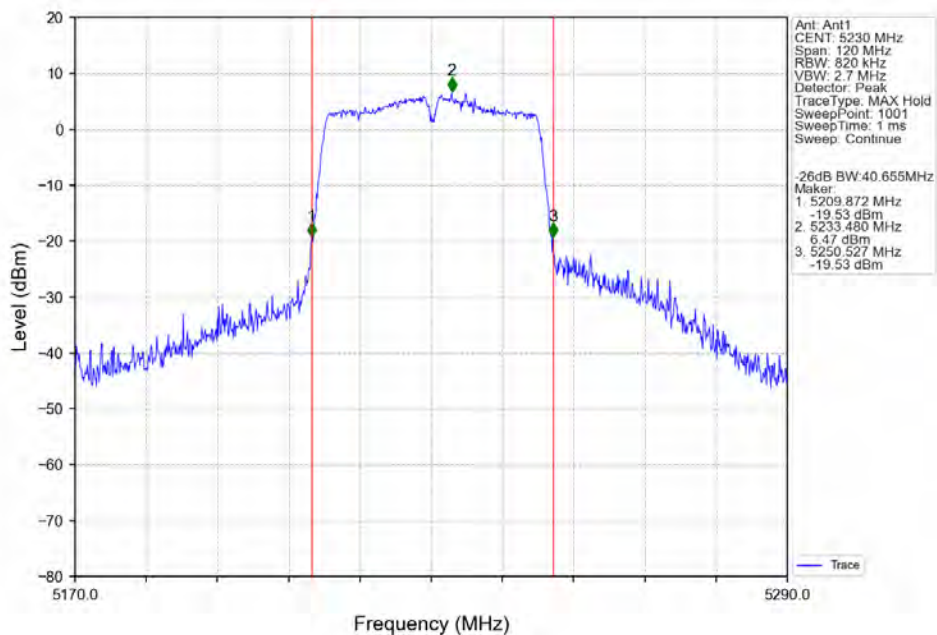
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



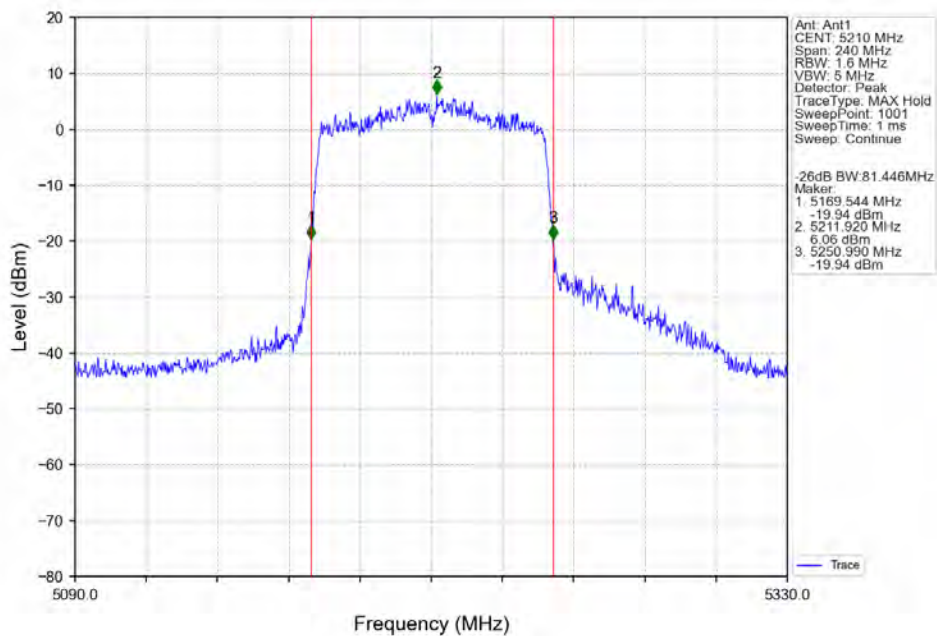
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



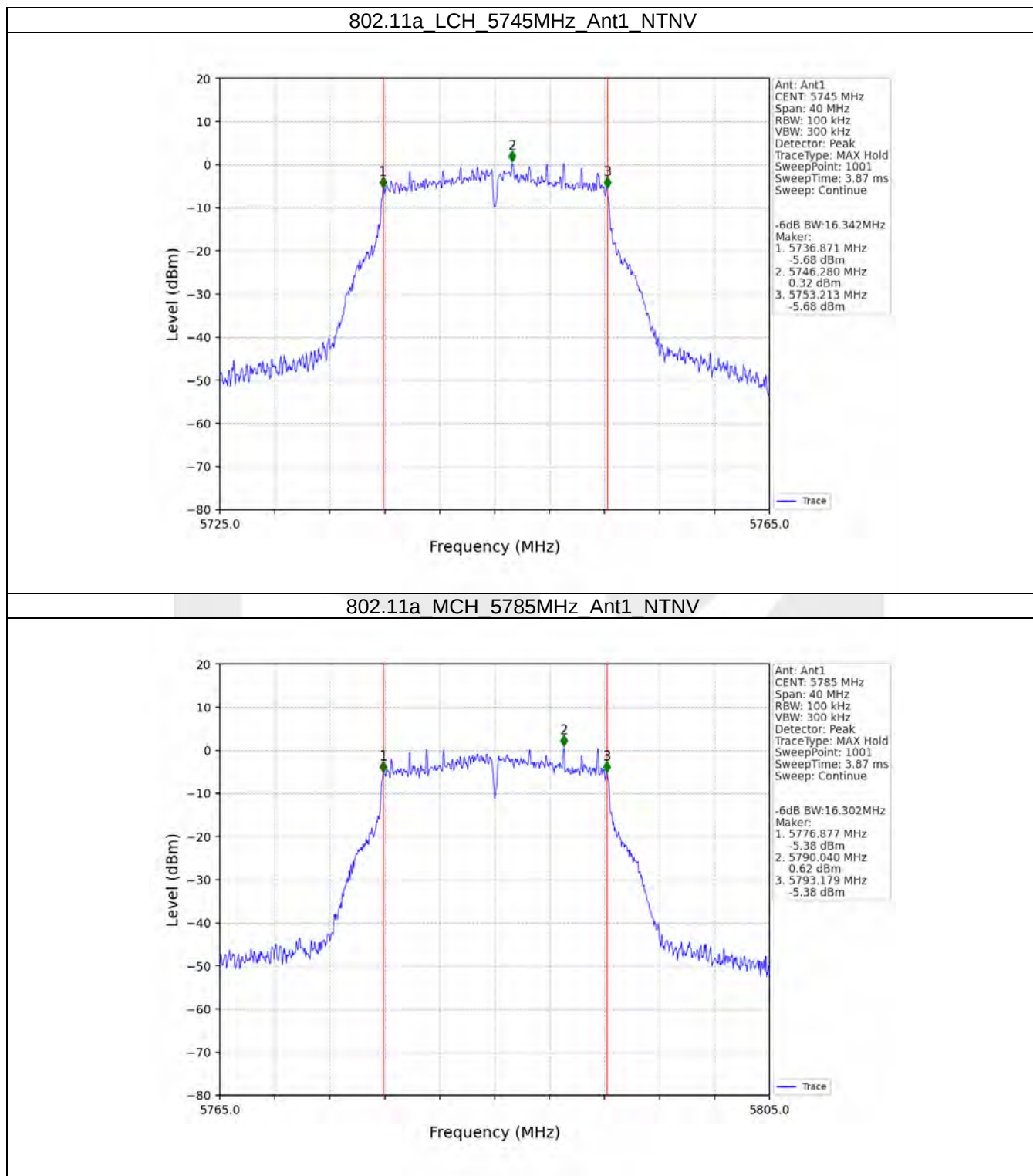
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

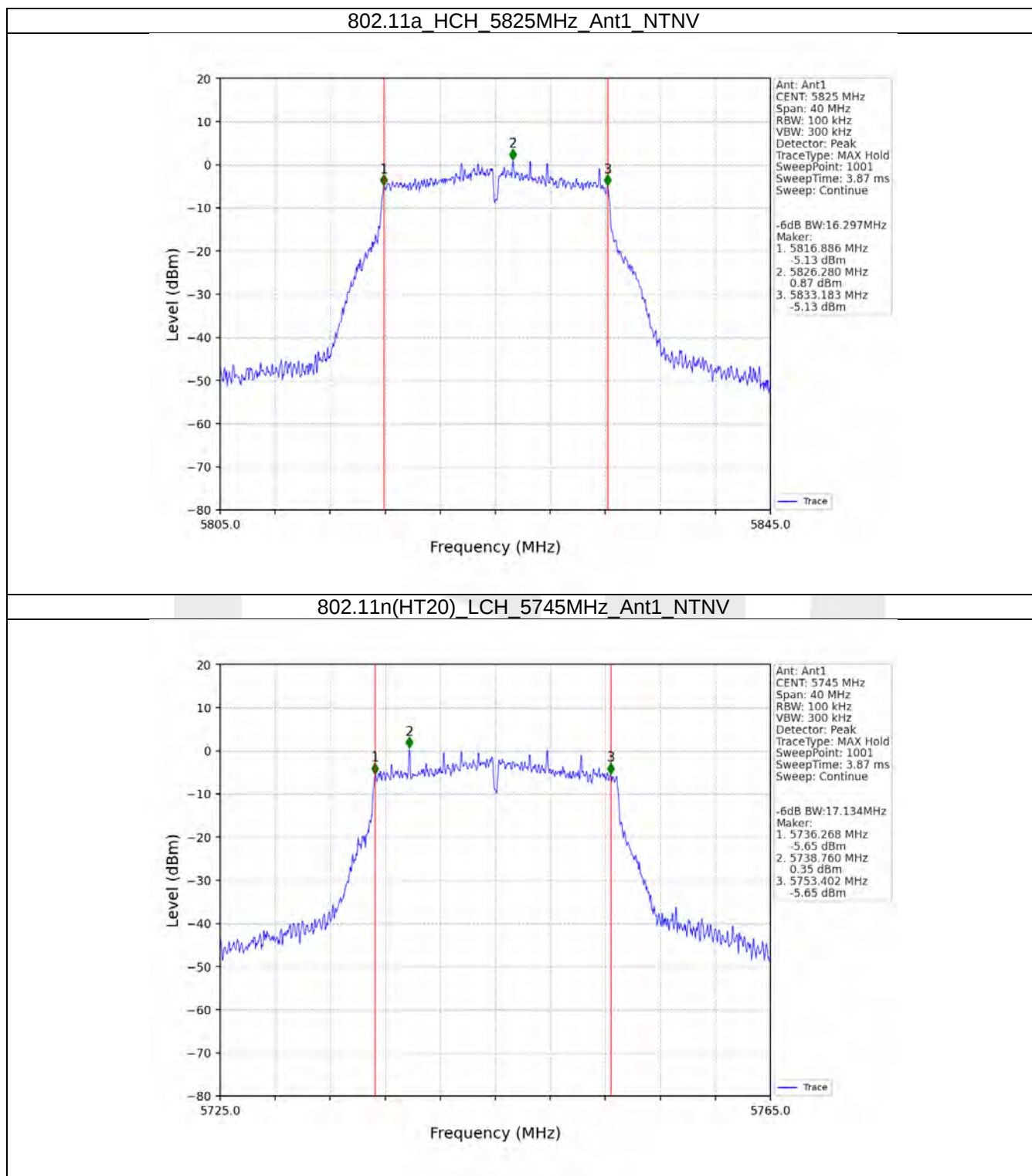


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

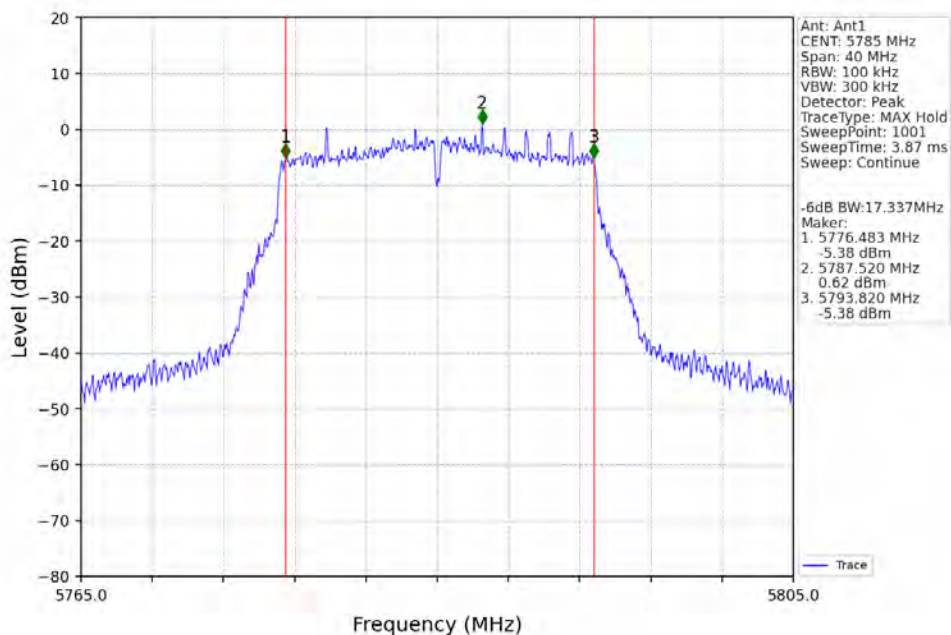


2.2.3 6dB BW

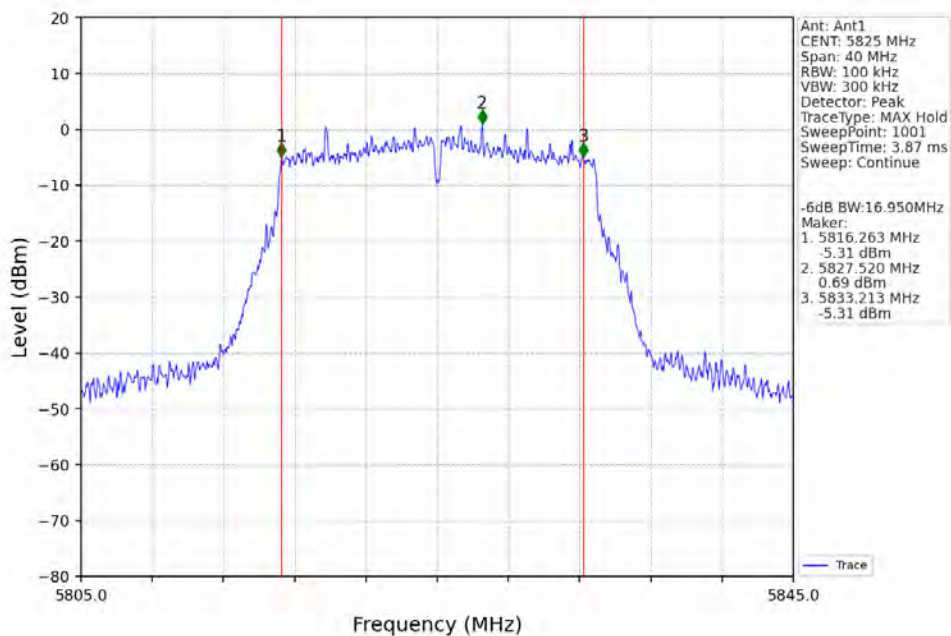




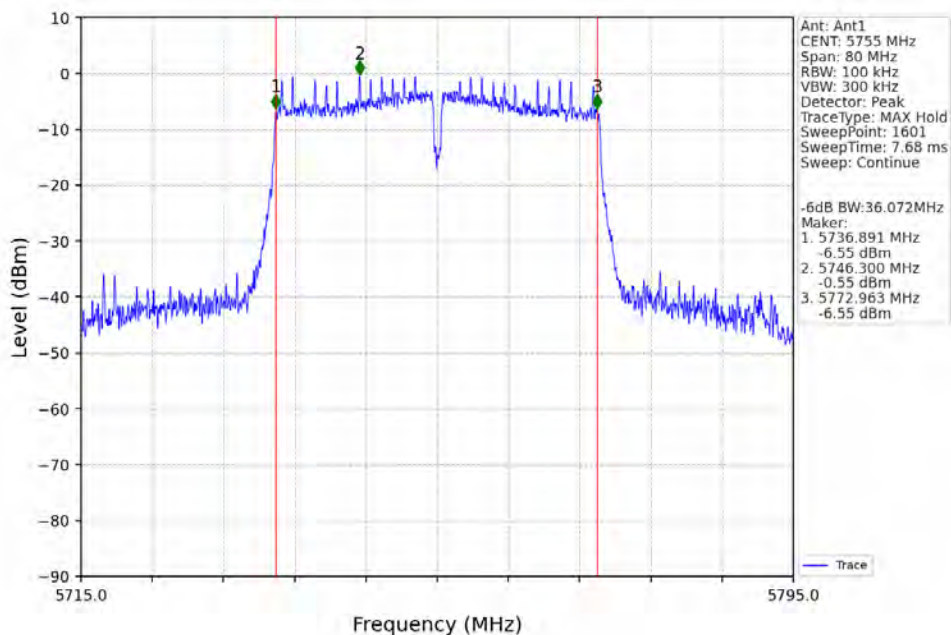
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



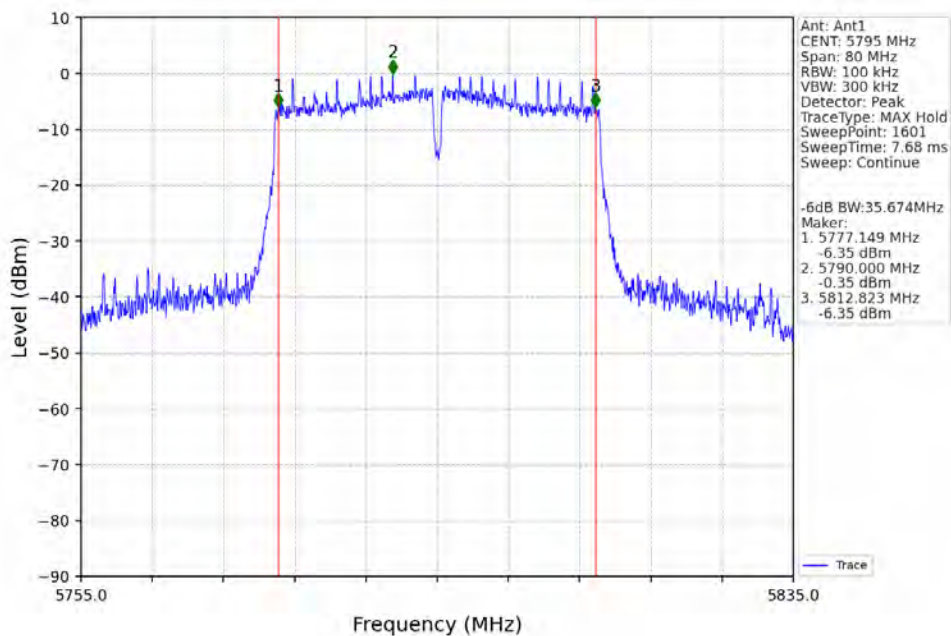
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



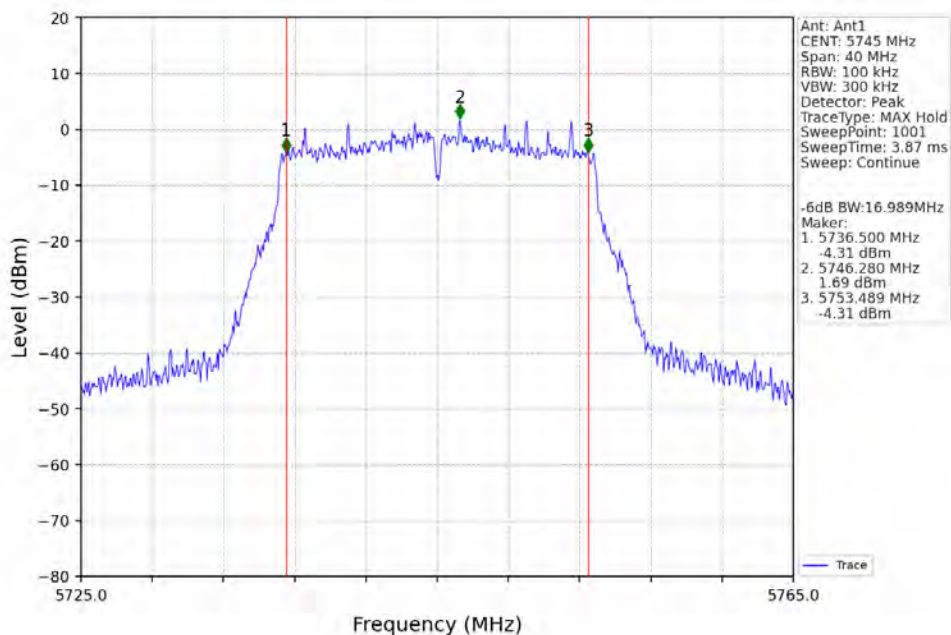
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



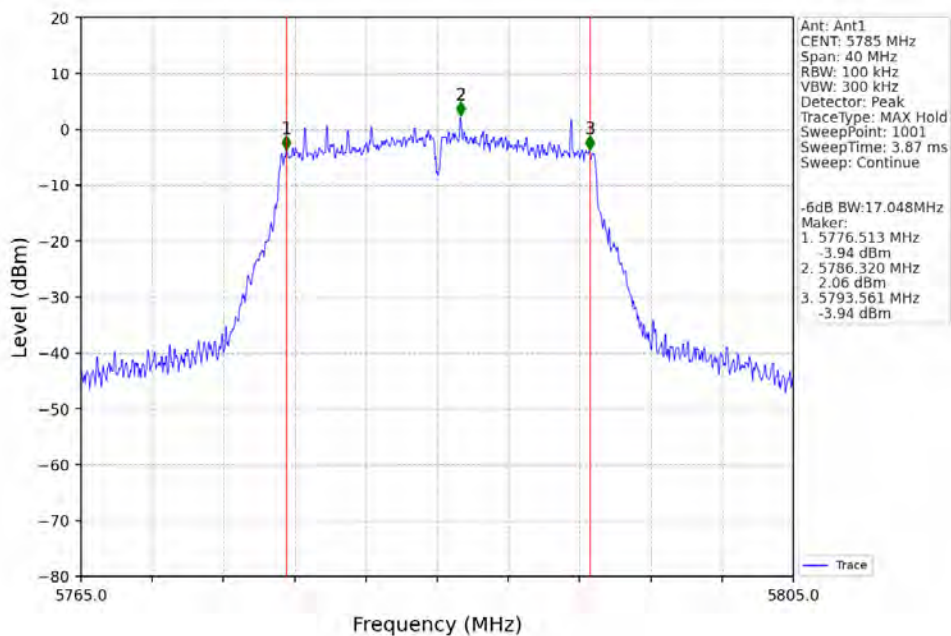
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



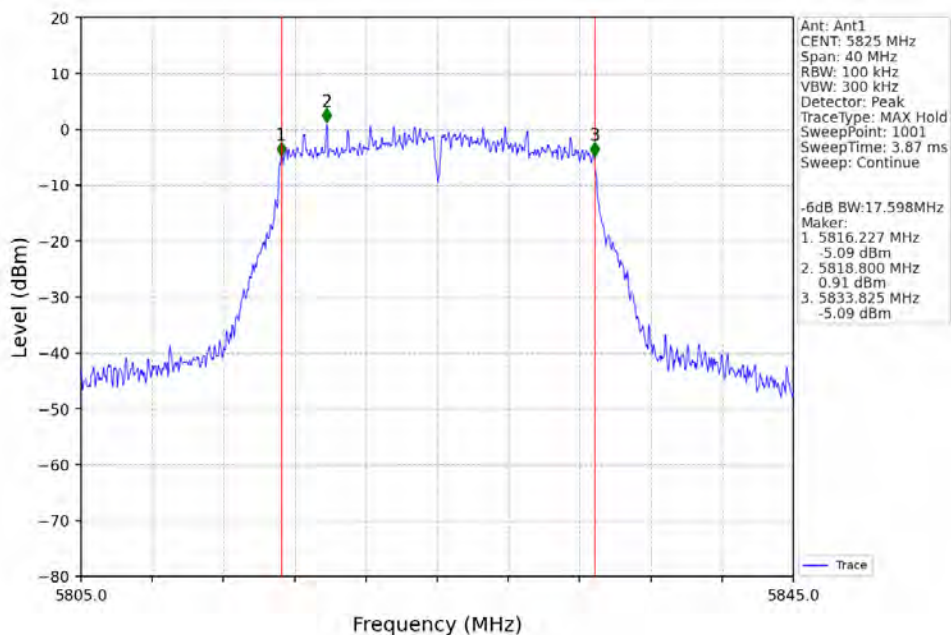
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



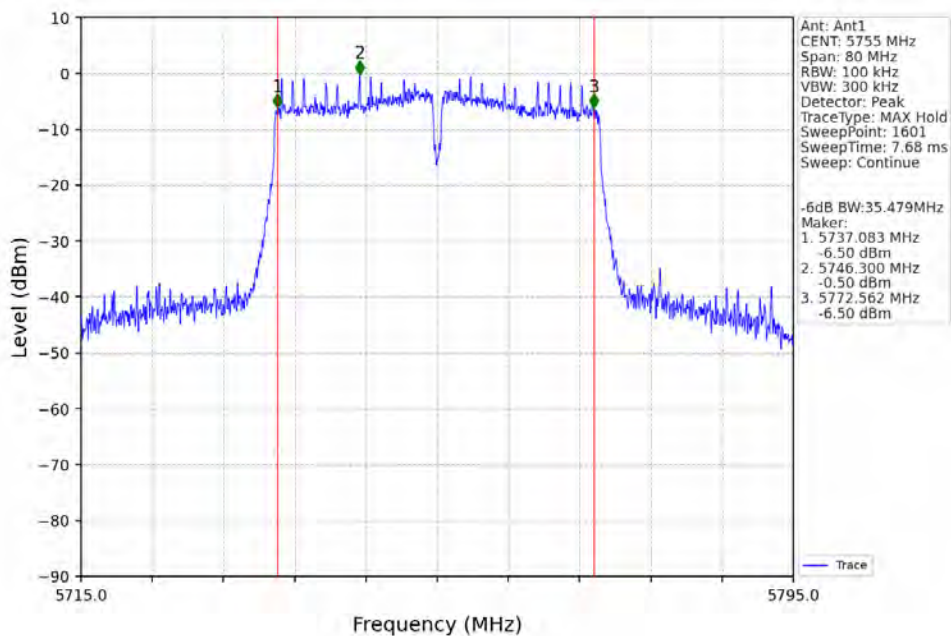
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



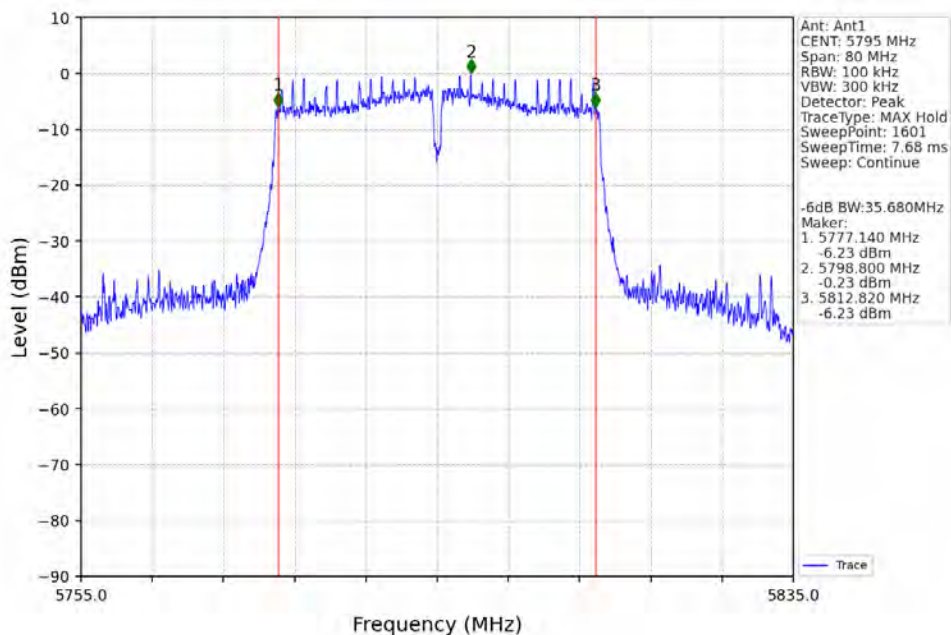
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



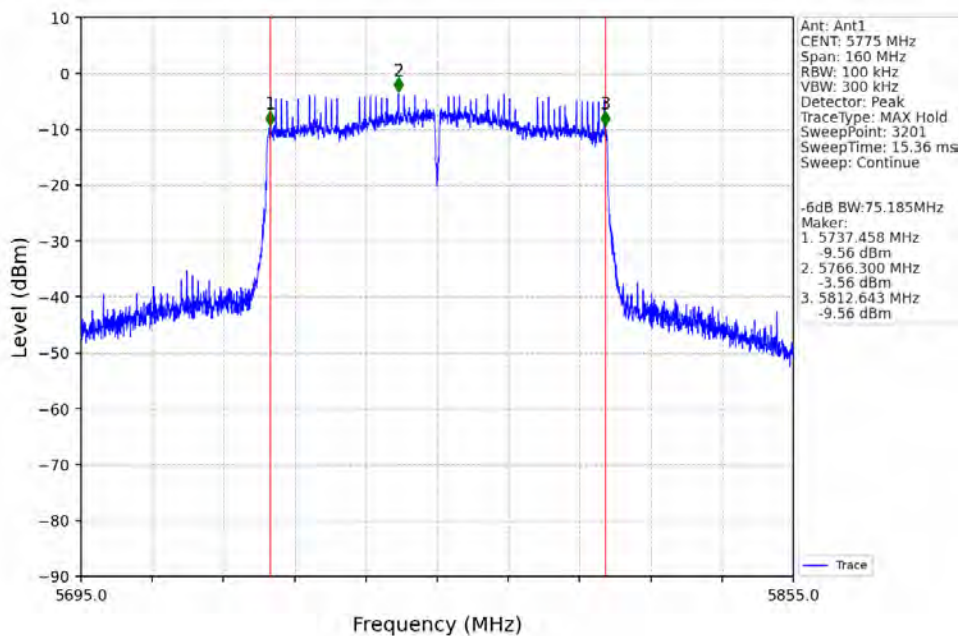
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



3. Maximum Conducted Output Power

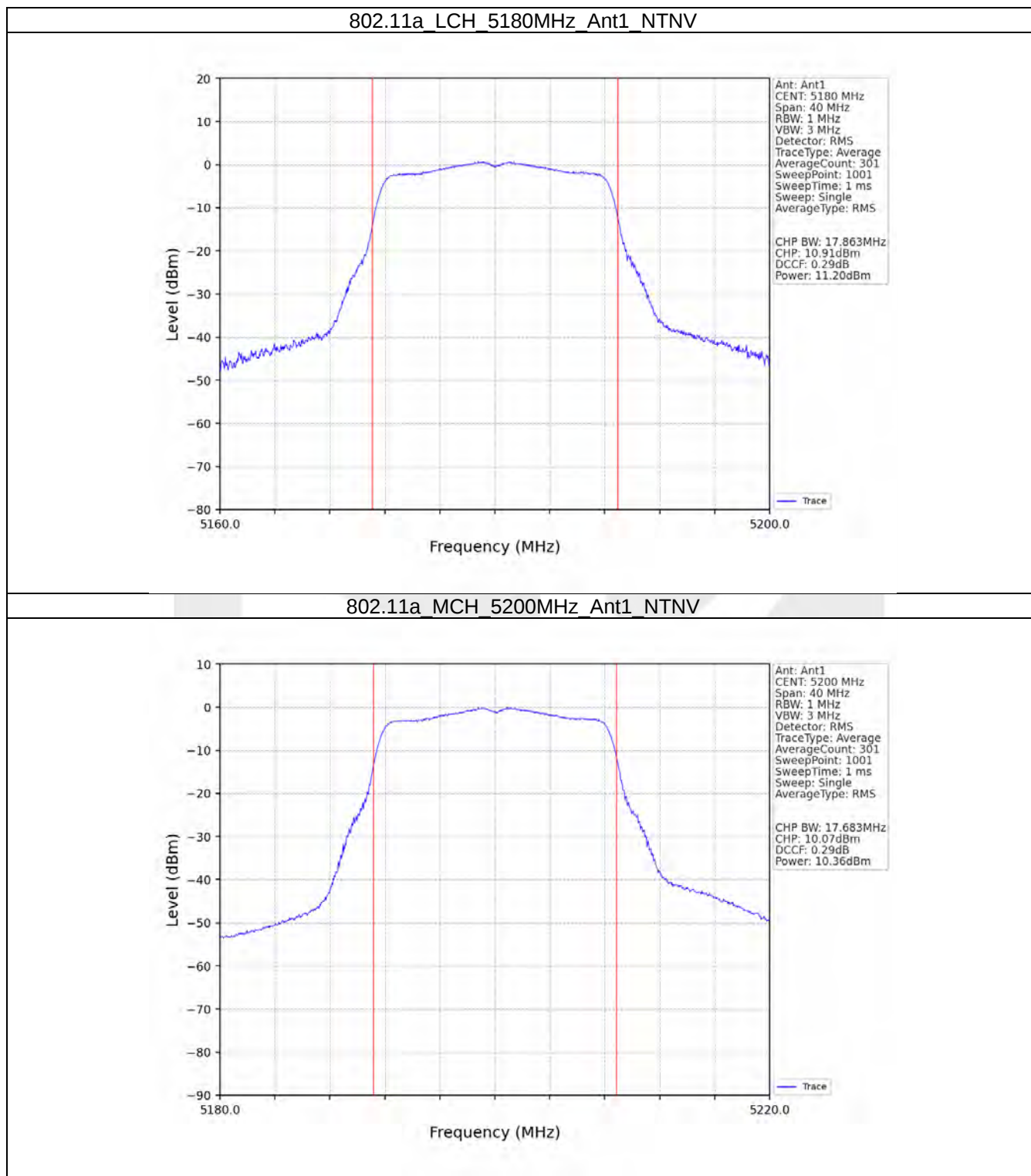
3.1 Test Result

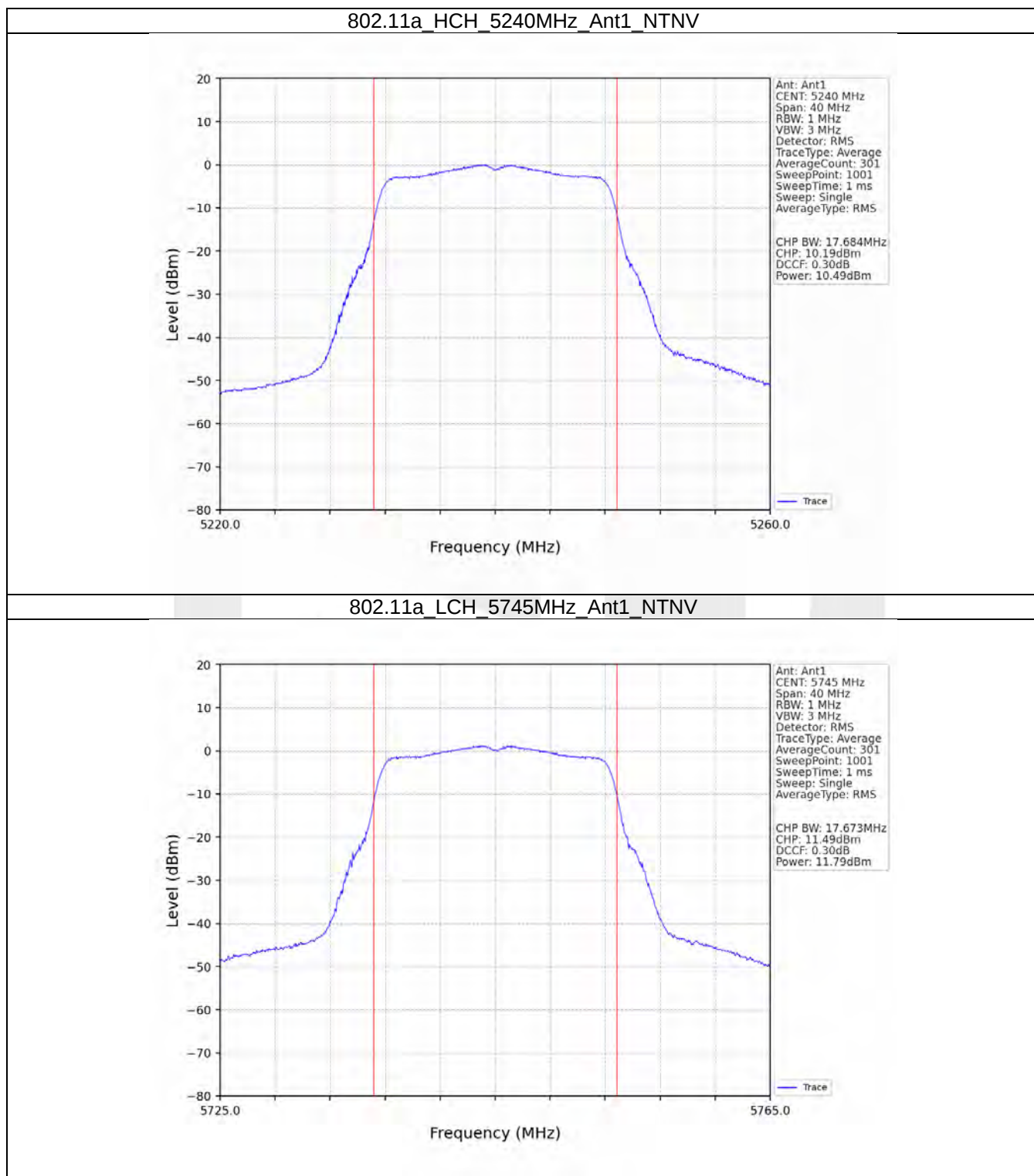
3.1.1 Power

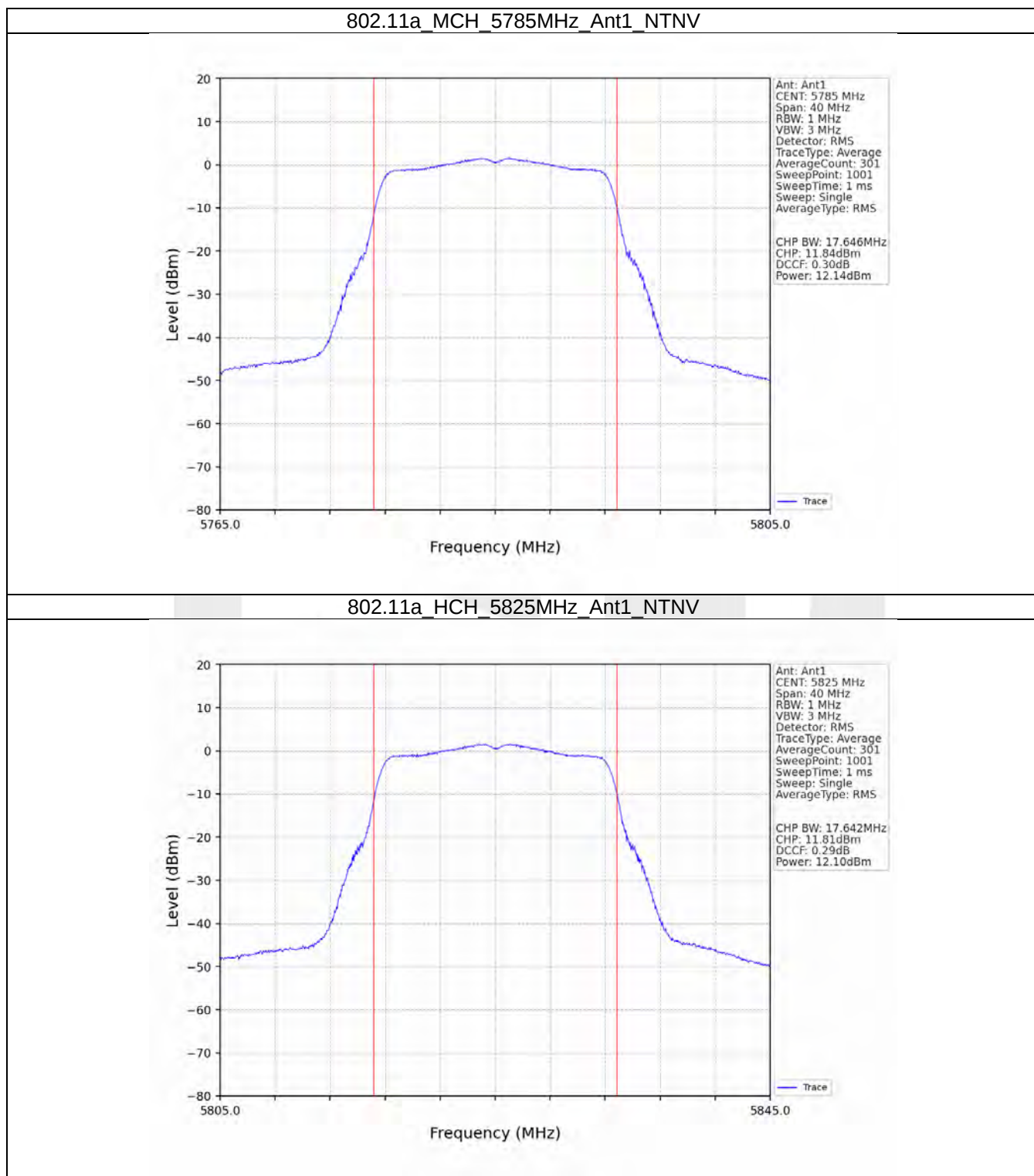
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	11.20	≤ 23.98	Pass
		5200	10.36	≤ 23.98	Pass
		5240	10.49	≤ 23.98	Pass
		5745	11.79	≤ 30	Pass
		5785	12.14	≤ 30	Pass
		5825	12.10	≤ 30	Pass
802.11n (HT20)	SISO	5180	10.77	≤ 23.98	Pass
		5200	9.98	≤ 23.98	Pass
		5240	10.09	≤ 23.98	Pass
		5745	11.40	≤ 30	Pass
		5785	11.67	≤ 30	Pass
		5825	11.81	≤ 30	Pass
802.11n (HT40)	SISO	5190	11.96	≤ 23.98	Pass
		5230	11.82	≤ 23.98	Pass
		5755	13.07	≤ 30	Pass
		5795	13.38	≤ 30	Pass
802.11ac (VHT20)	SISO	5180	11.81	≤ 23.98	Pass
		5200	11.22	≤ 23.98	Pass
		5240	11.18	≤ 23.98	Pass
		5745	12.66	≤ 30	Pass
		5785	12.88	≤ 30	Pass
		5825	12.78	≤ 30	Pass
802.11ac (VHT40)	SISO	5190	11.97	≤ 23.98	Pass
		5230	11.88	≤ 23.98	Pass
		5755	13.01	≤ 30	Pass
		5795	13.36	≤ 30	Pass
802.11ac (VHT80)	SISO	5210	11.48	≤ 23.98	Pass
		5775	12.67	≤ 30	Pass

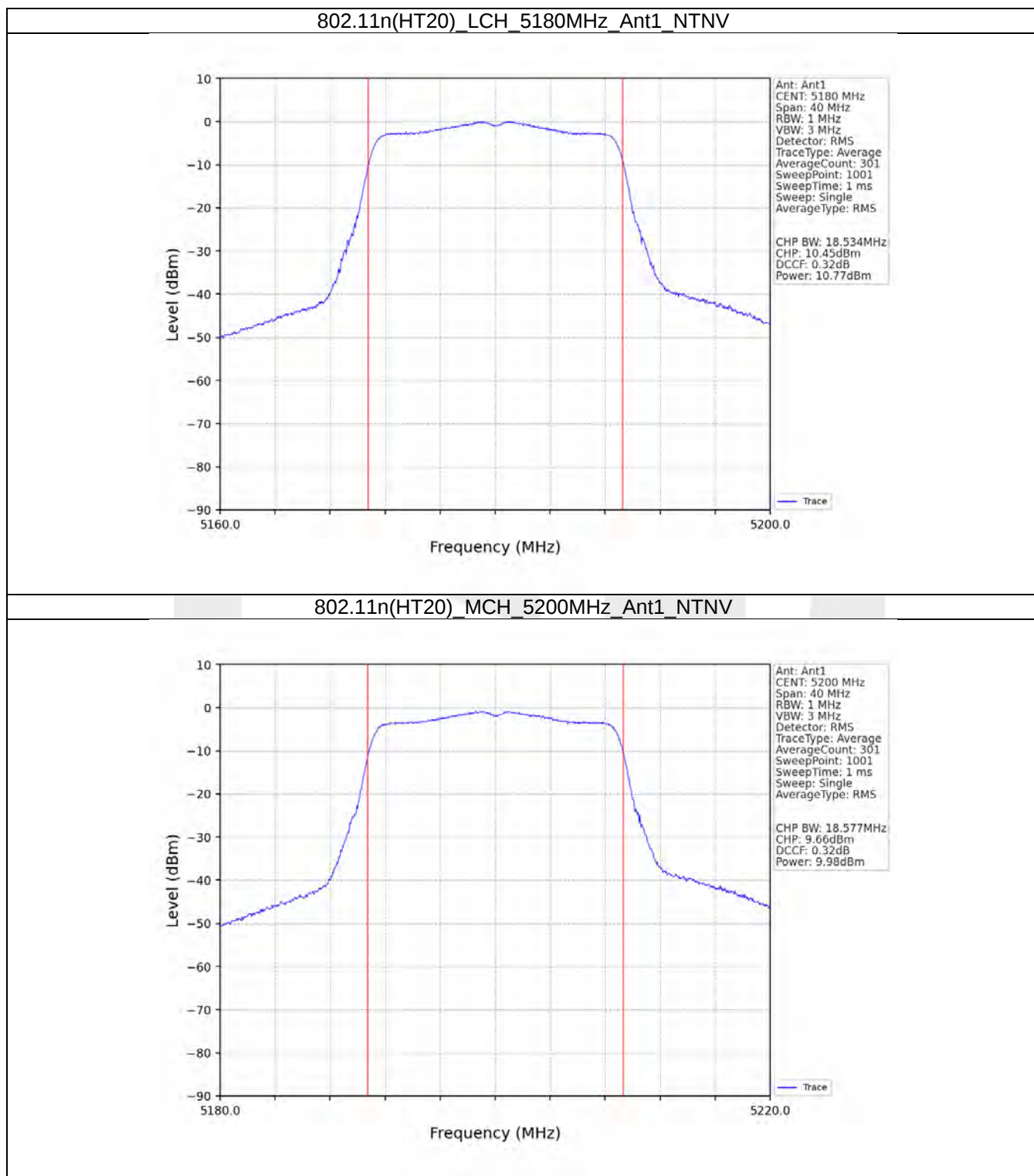
3.2 Test Graph

3.2.1 Power

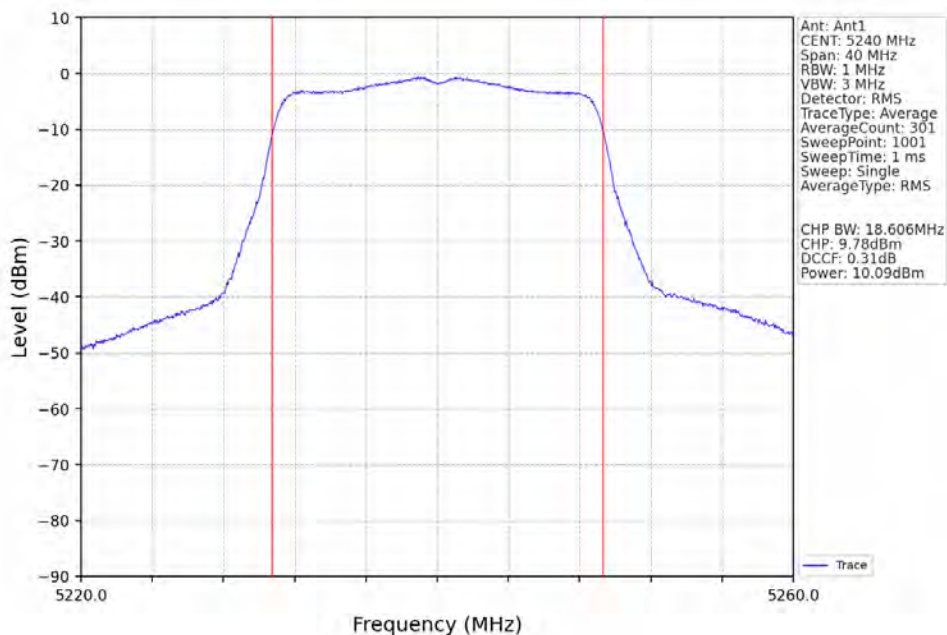




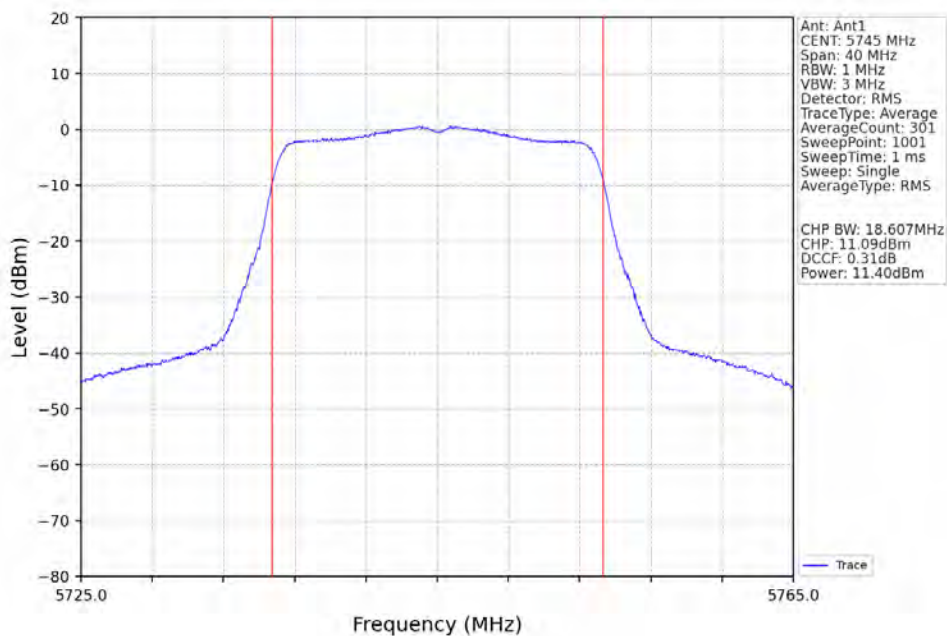




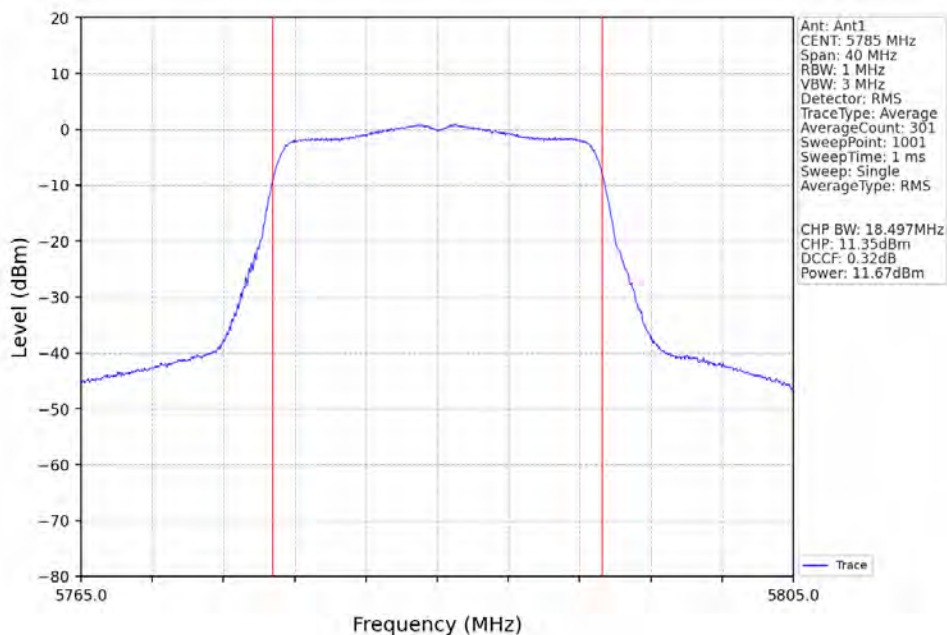
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



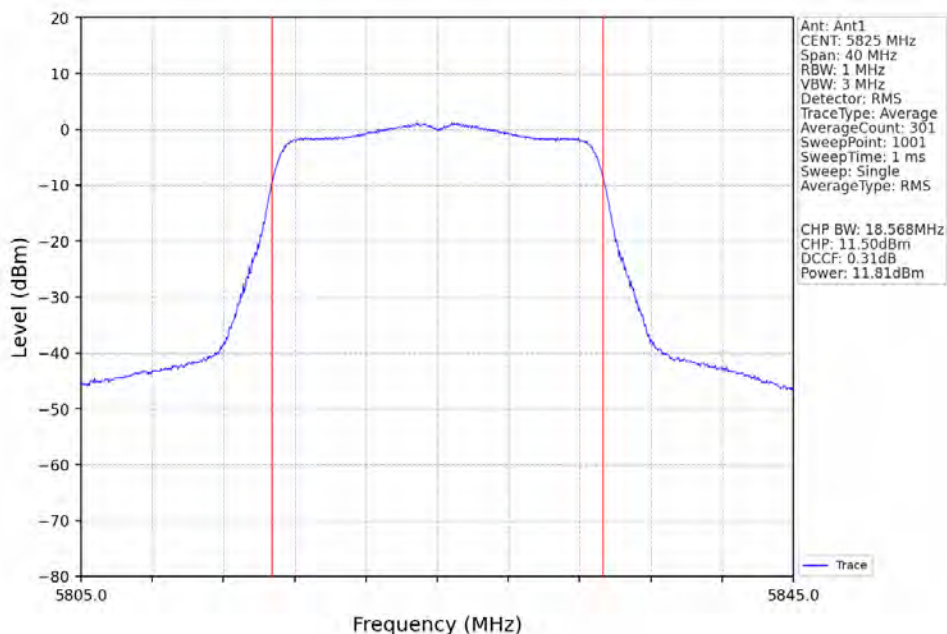
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV

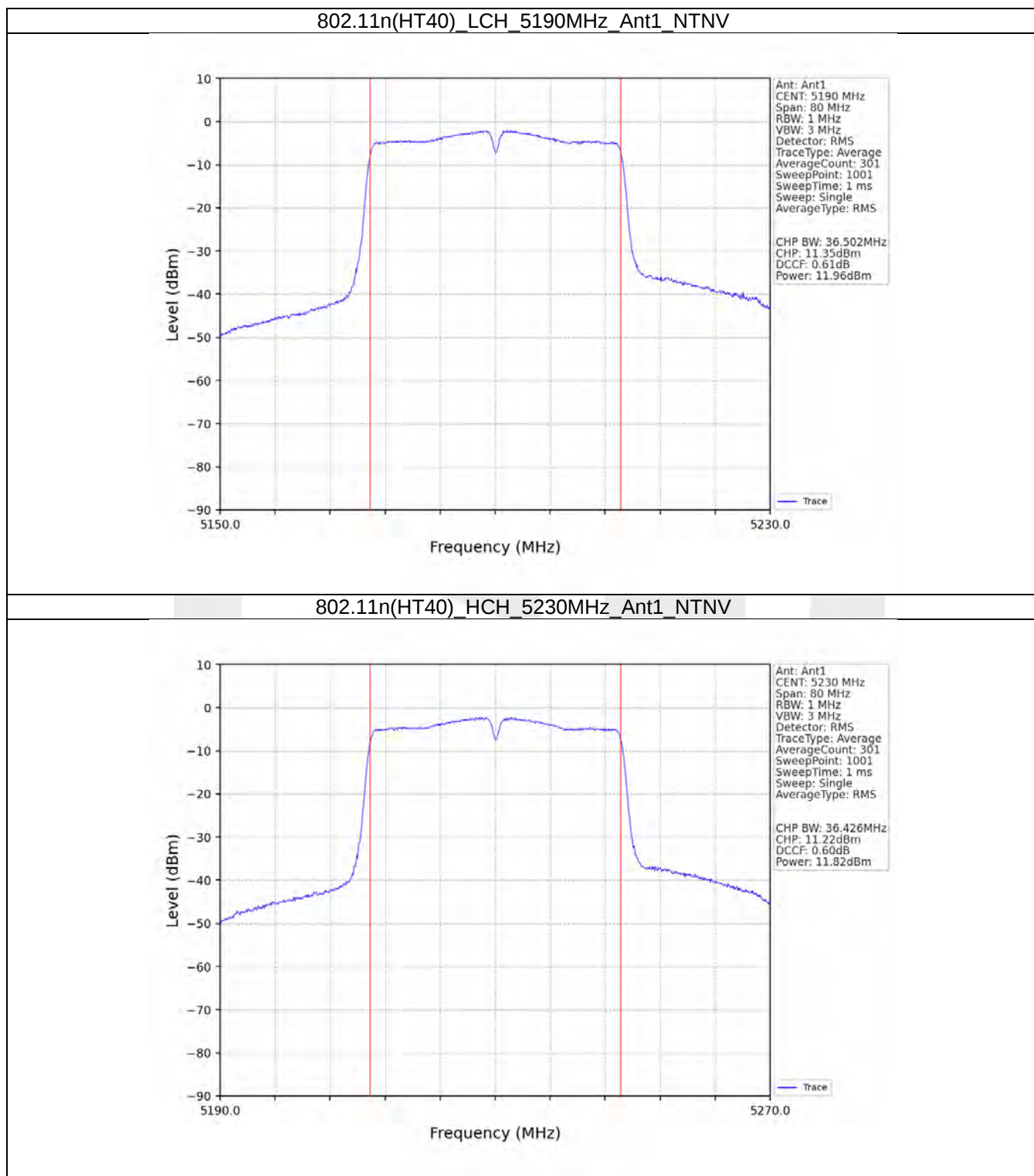


802.11n(HT20)_MCH_5785MHz_Ant1_NTNV

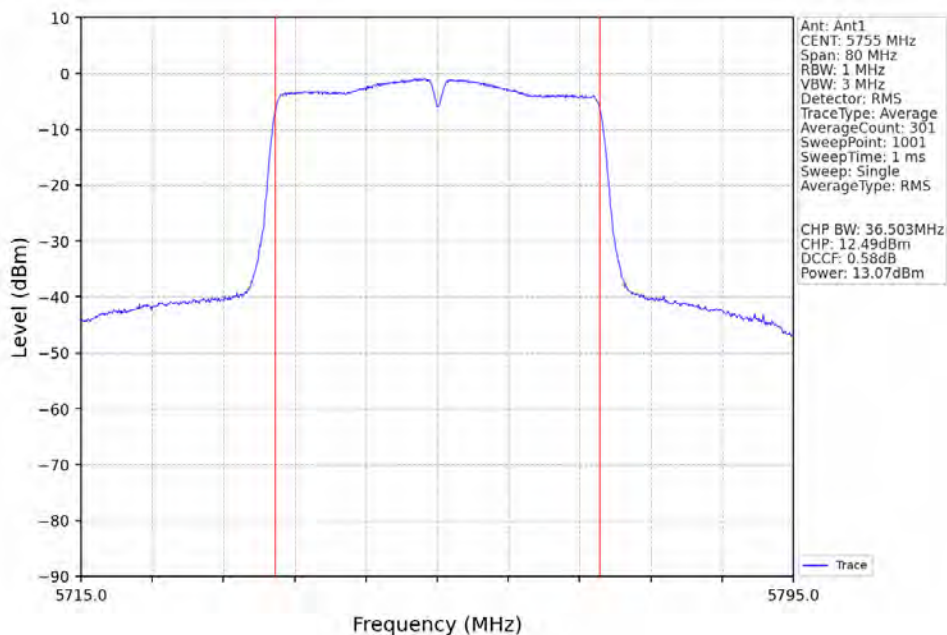


802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

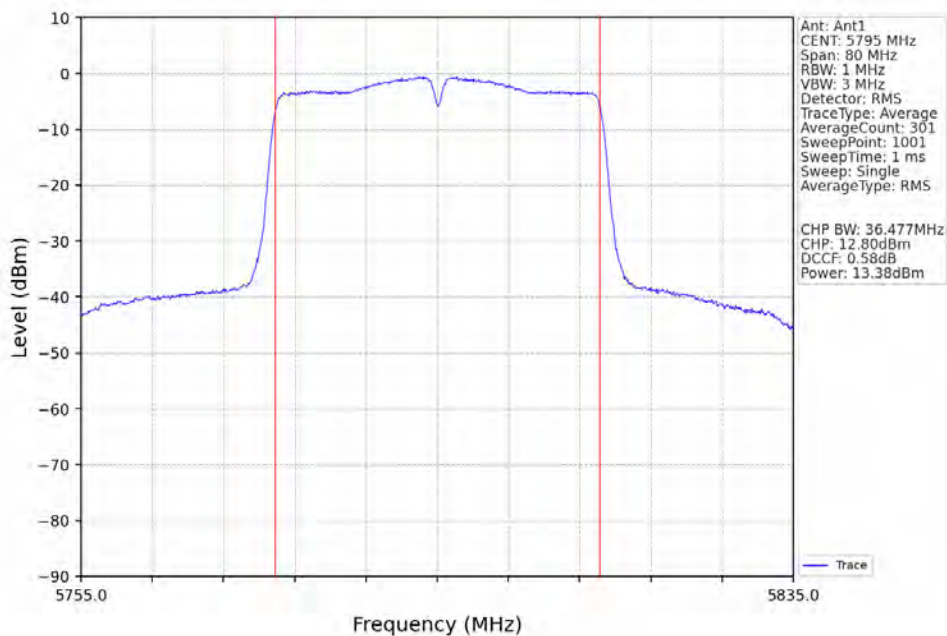




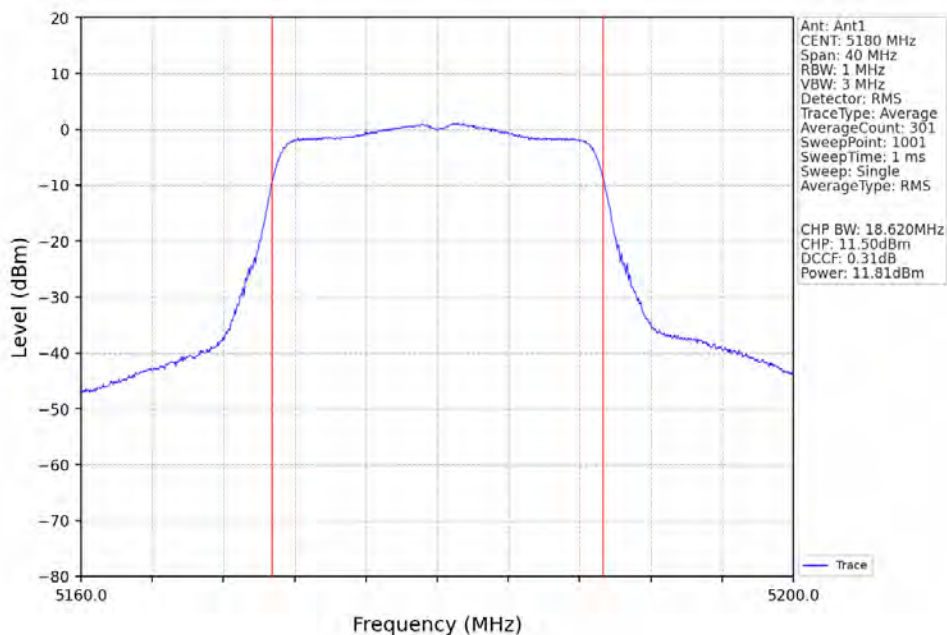
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



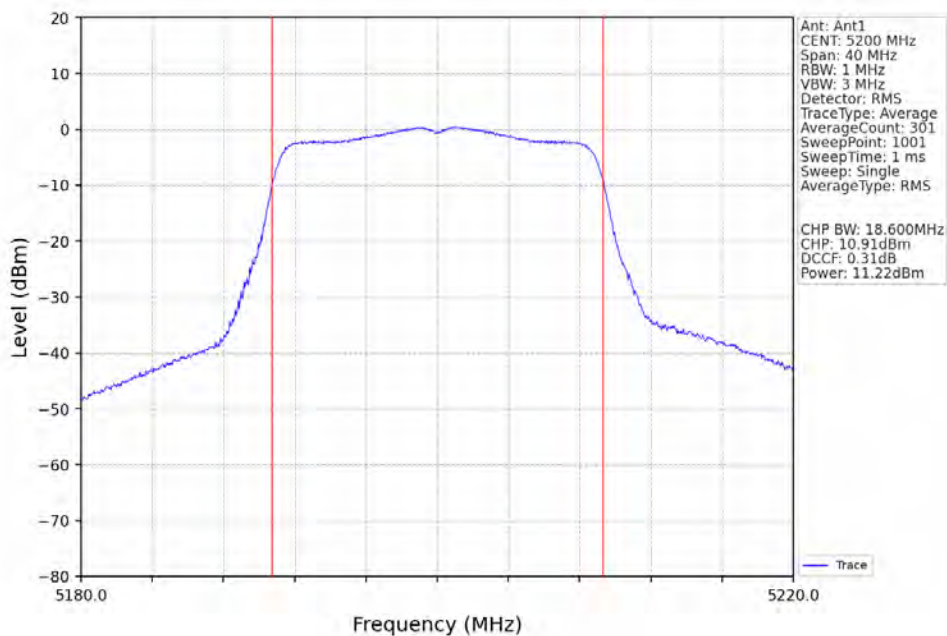
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



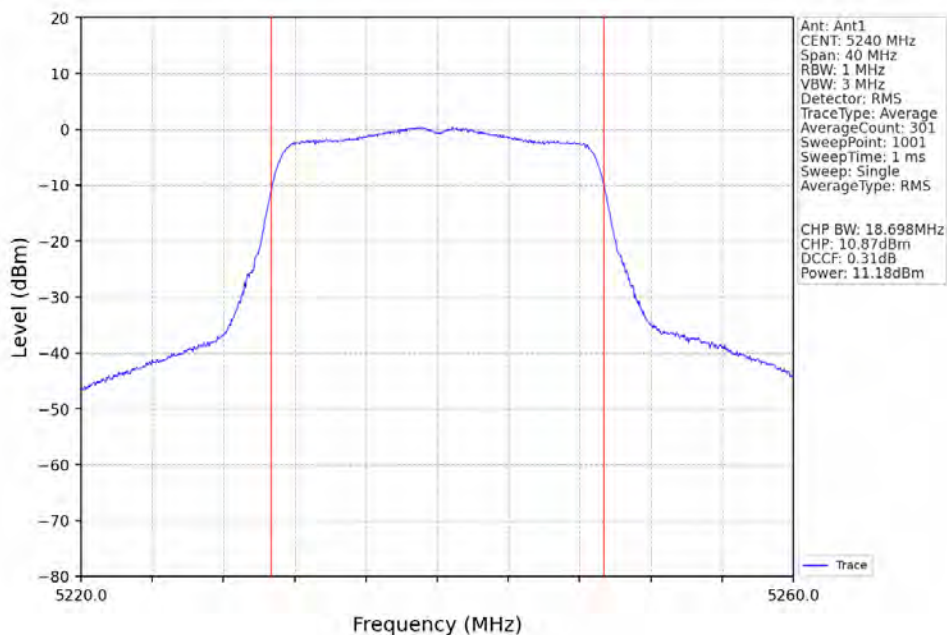
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



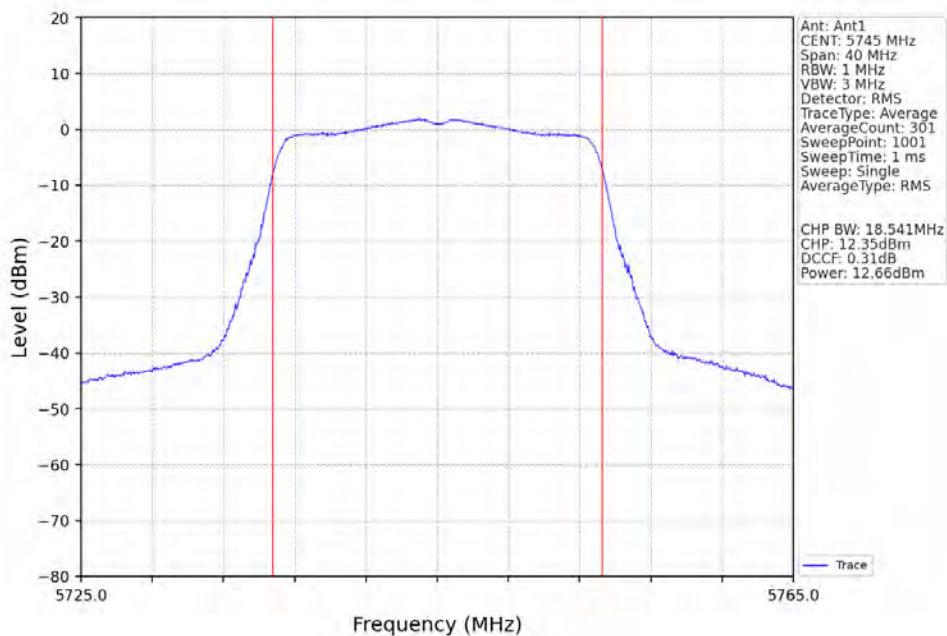
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



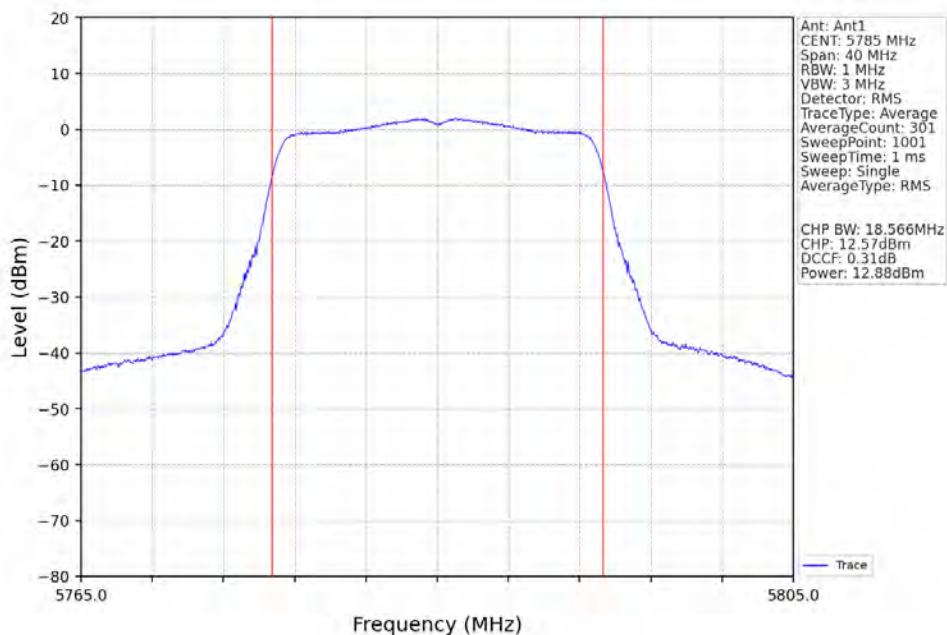
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



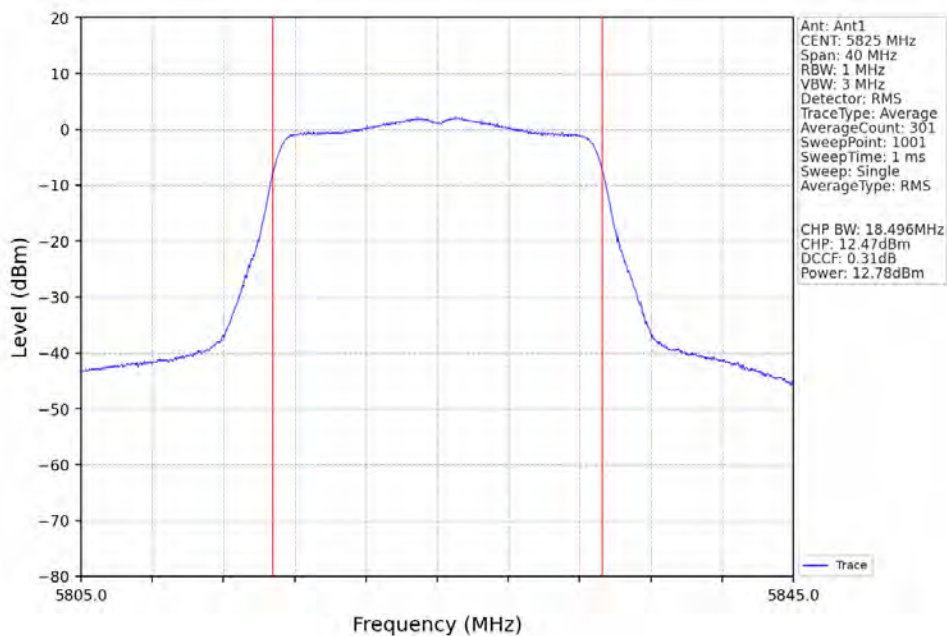
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



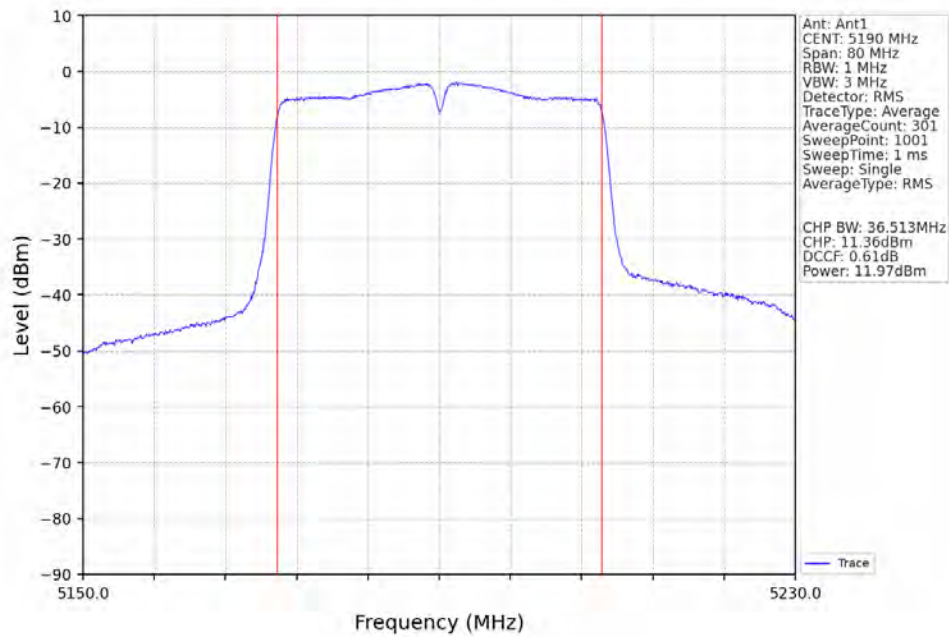
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



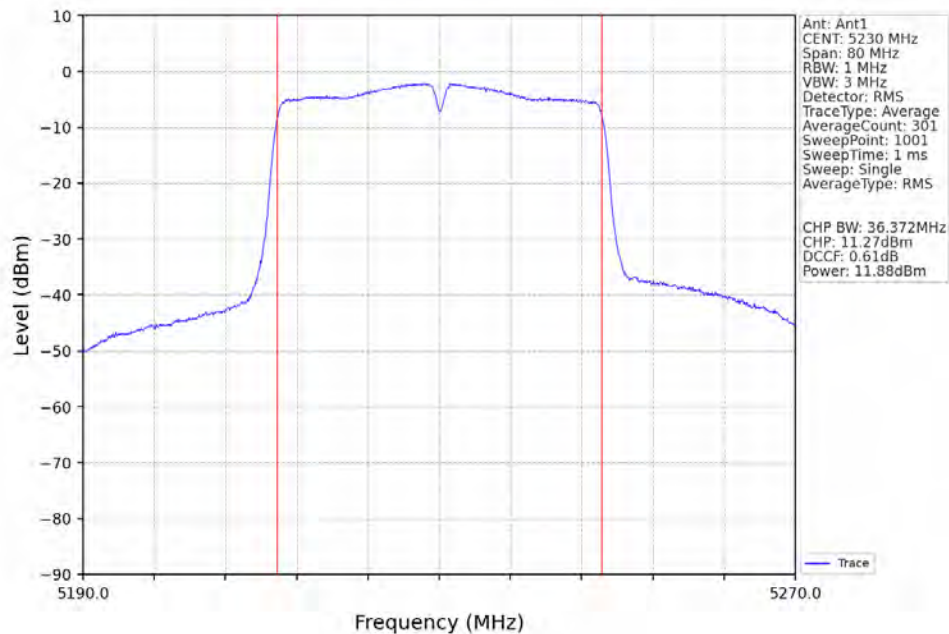
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



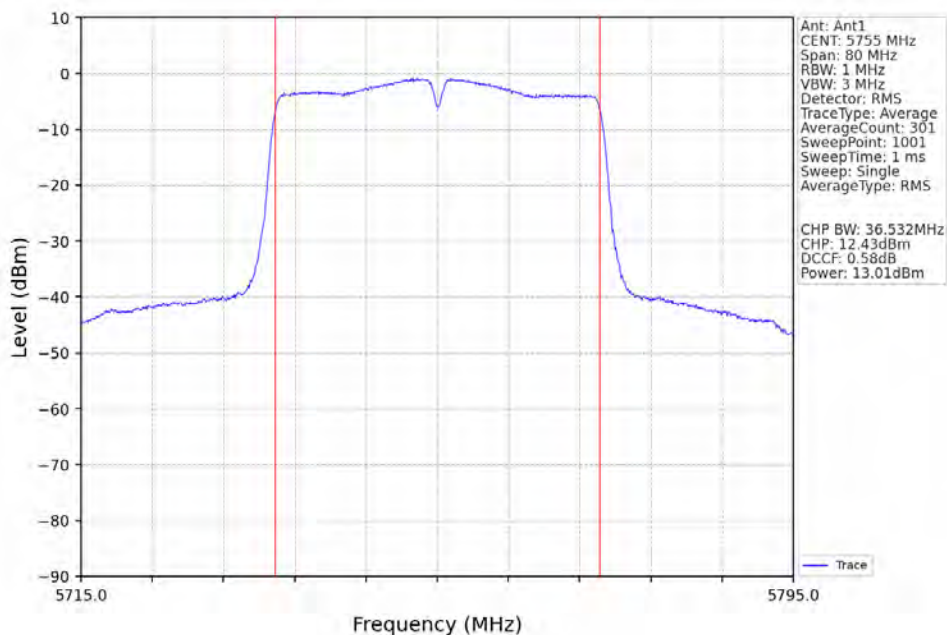
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



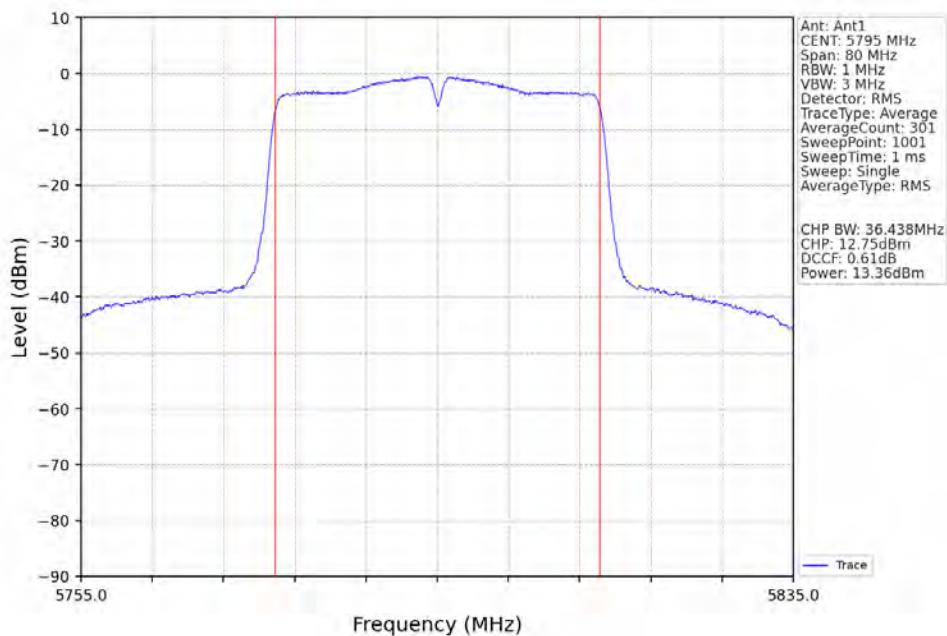
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

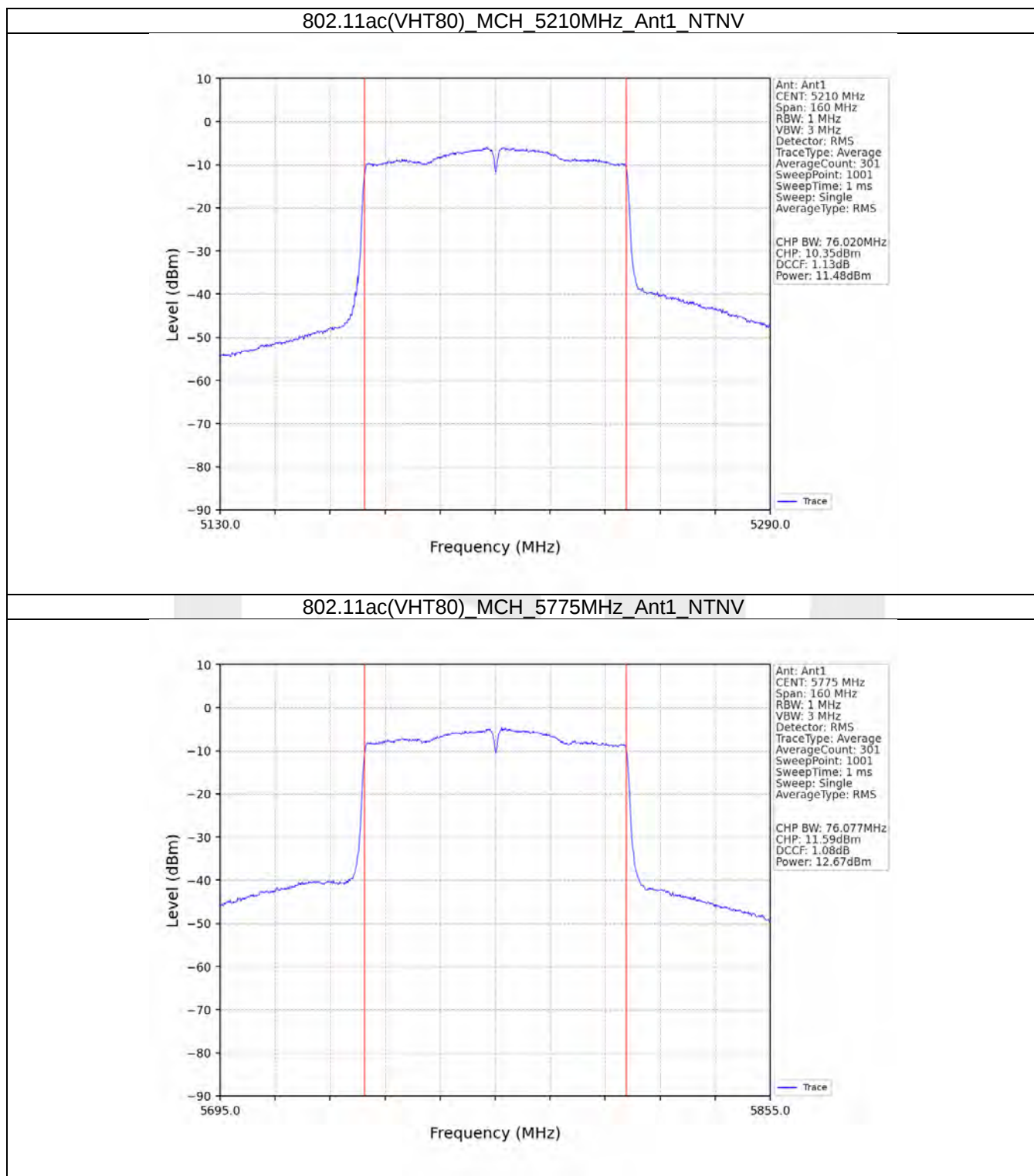


802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV





4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

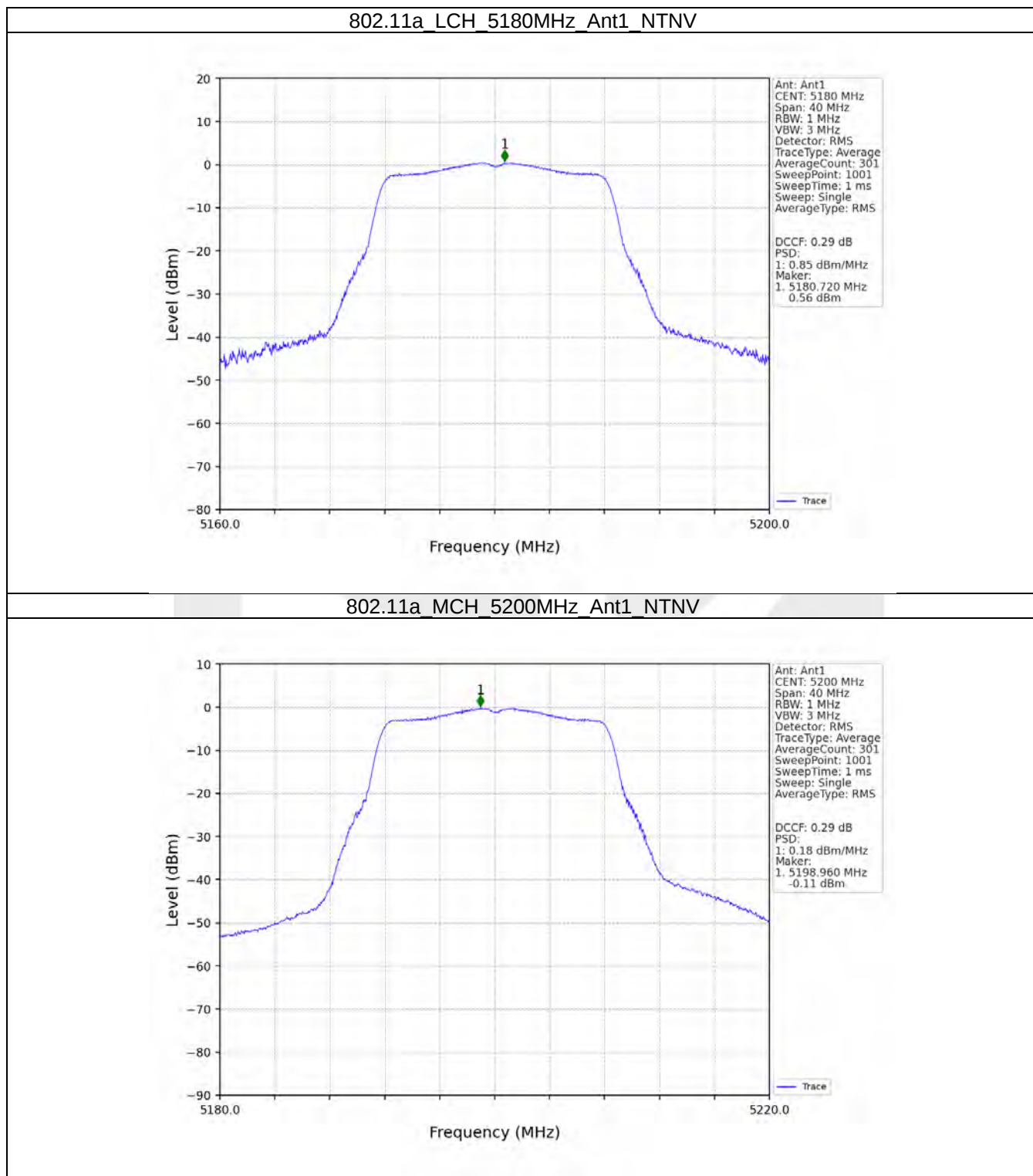
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	0.85	<=11	Pass
		5200	0.18	<=11	Pass
		5240	0.43	<=11	Pass
802.11n (HT20)	SISO	5180	0.24	<=11	Pass
		5200	-0.48	<=11	Pass
		5240	-0.41	<=11	Pass
802.11n (HT40)	SISO	5190	-1.44	<=11	Pass
		5230	-1.55	<=11	Pass
802.11ac (VHT20)	SISO	5180	1.41	<=11	Pass
		5200	0.81	<=11	Pass
		5240	0.80	<=11	Pass
802.11ac (VHT40)	SISO	5190	-1.28	<=11	Pass
		5230	-1.44	<=11	Pass
802.11ac (VHT80)	SISO	5210	-4.75	<=11	Pass

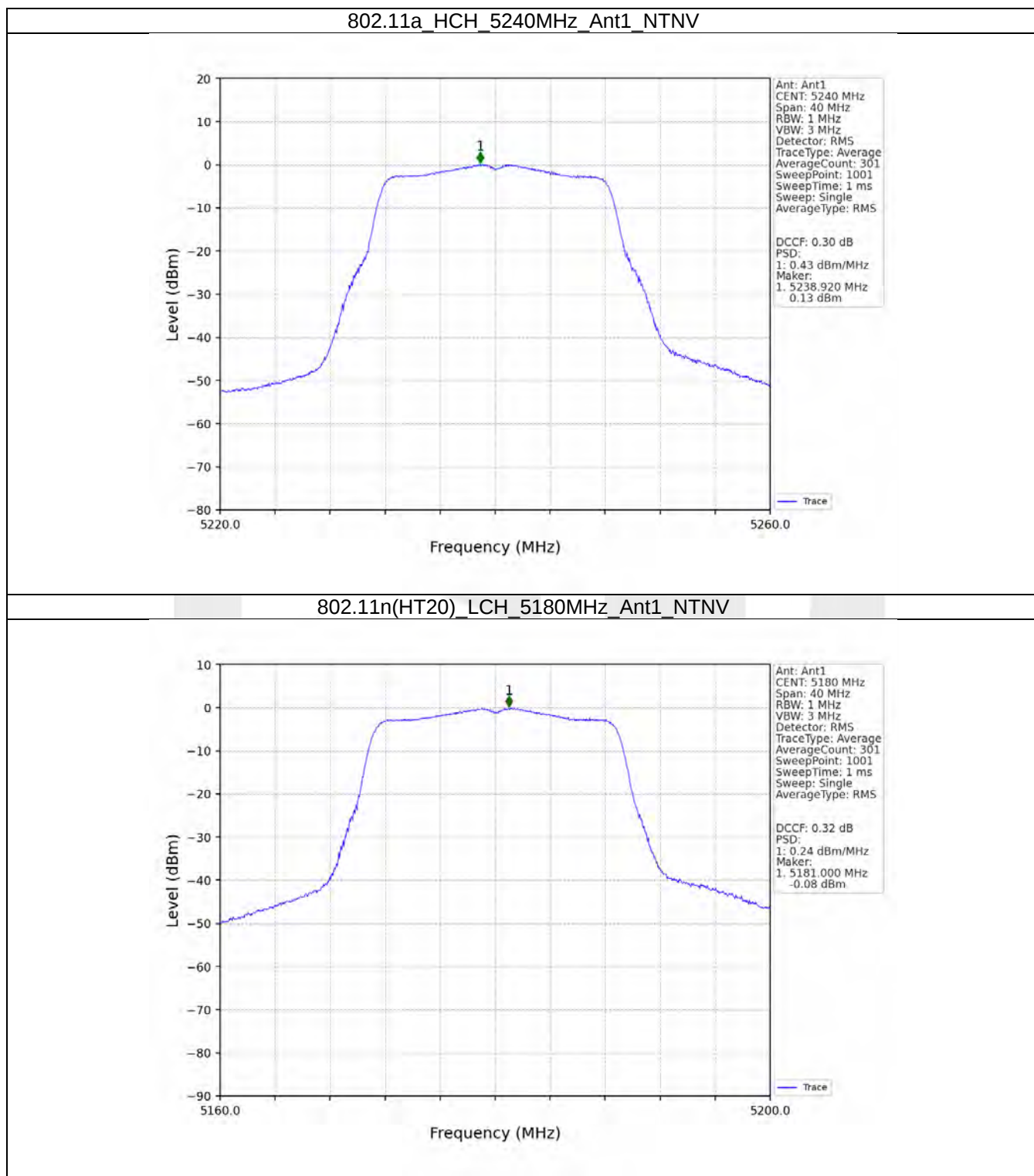
4.1.2 PSD-Band3

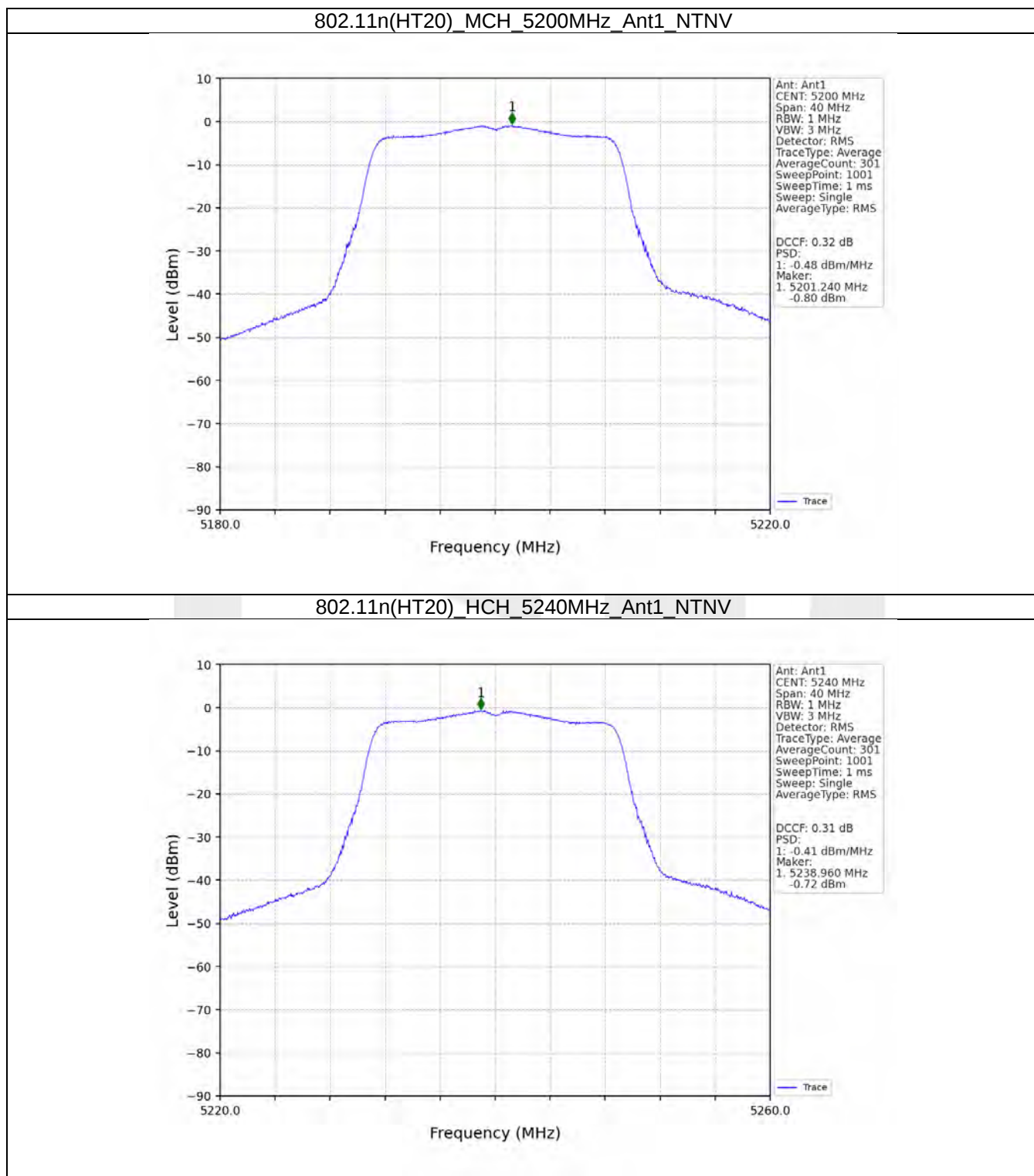
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-1.18	<=30	Pass
		5785	-0.99	<=30	Pass
		5825	-0.72	<=30	Pass
802.11n (HT20)	SISO	5745	-1.82	<=30	Pass
		5785	-1.51	<=30	Pass
		5825	-1.44	<=30	Pass
802.11n (HT40)	SISO	5755	-3.11	<=30	Pass
		5795	-2.61	<=30	Pass
802.11ac (VHT20)	SISO	5745	-0.40	<=30	Pass
		5785	-0.05	<=30	Pass
		5825	-0.26	<=30	Pass
802.11ac (VHT40)	SISO	5755	-3.31	<=30	Pass
		5795	-2.62	<=30	Pass
802.11ac (VHT80)	SISO	5775	-6.32	<=30	Pass

4.2 Test Graph

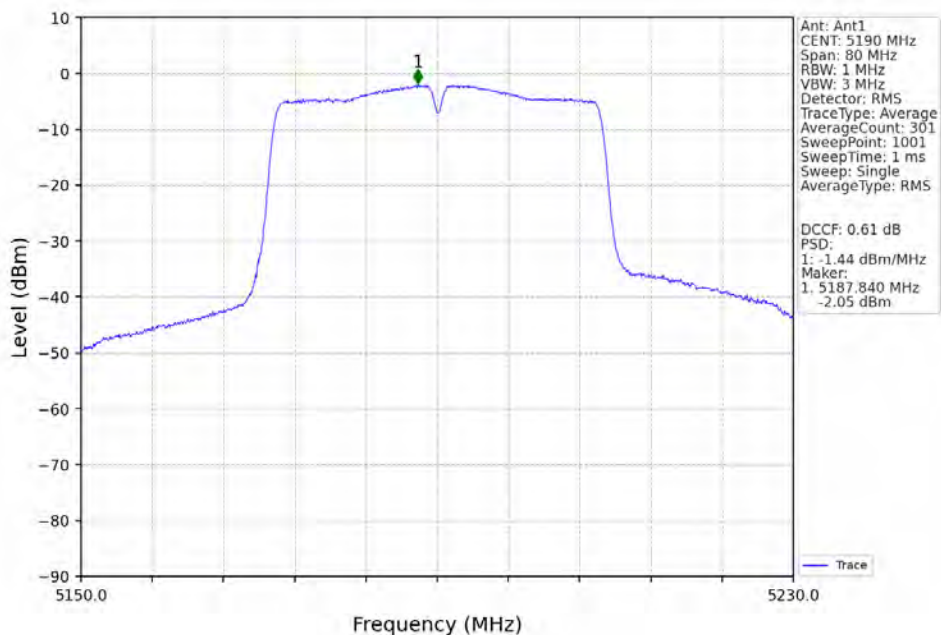
4.2.1 PSD



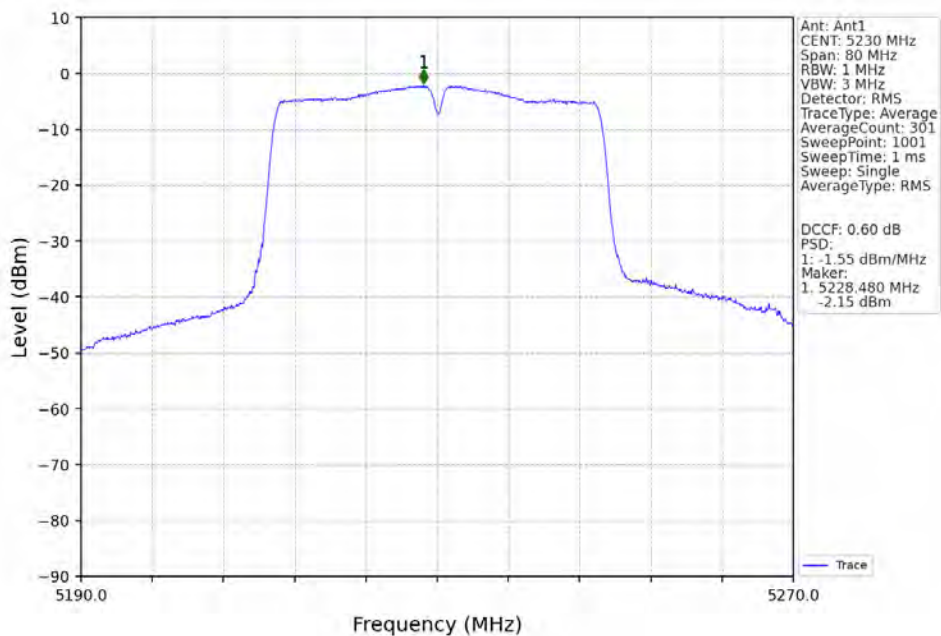




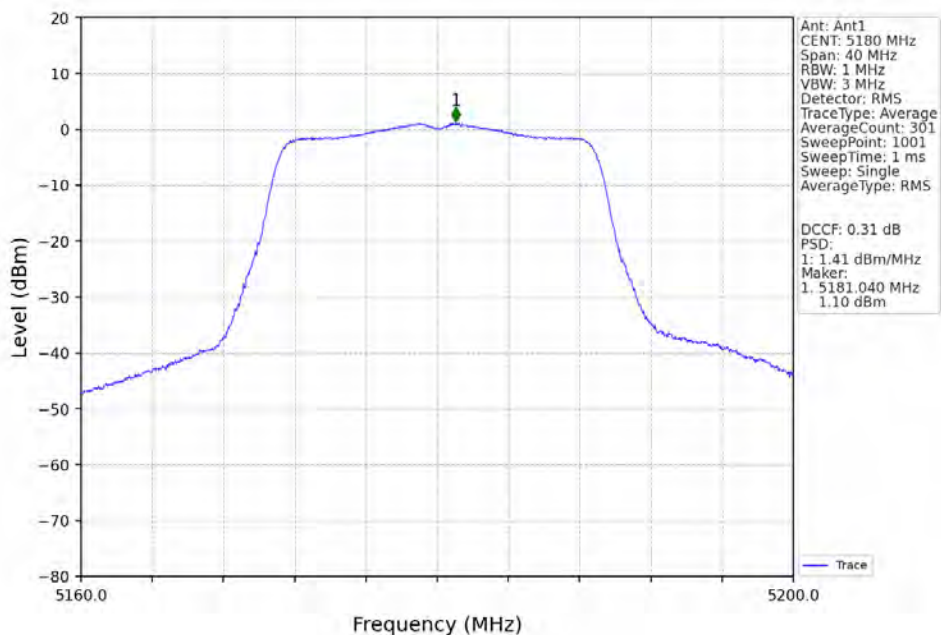
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



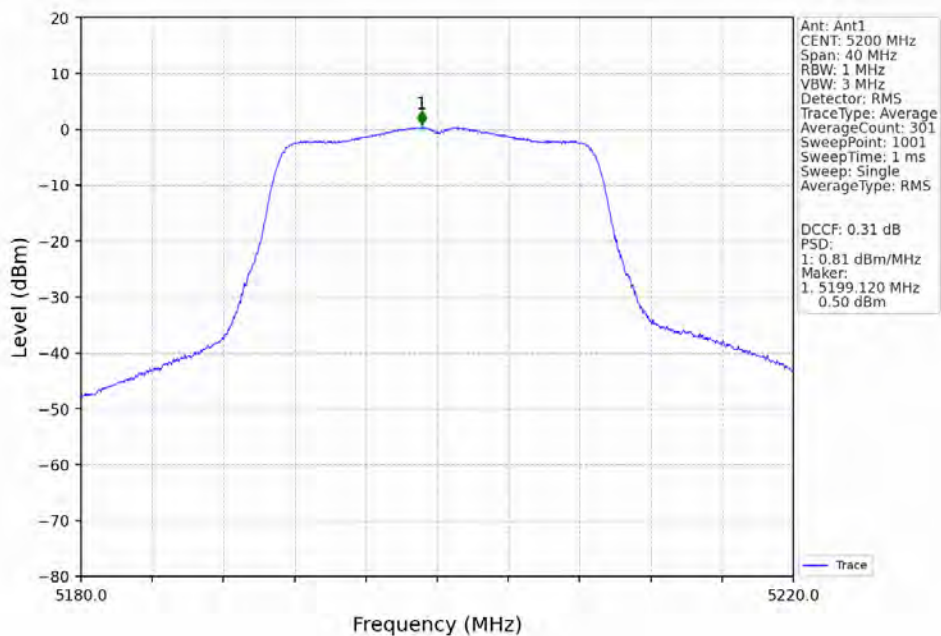
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



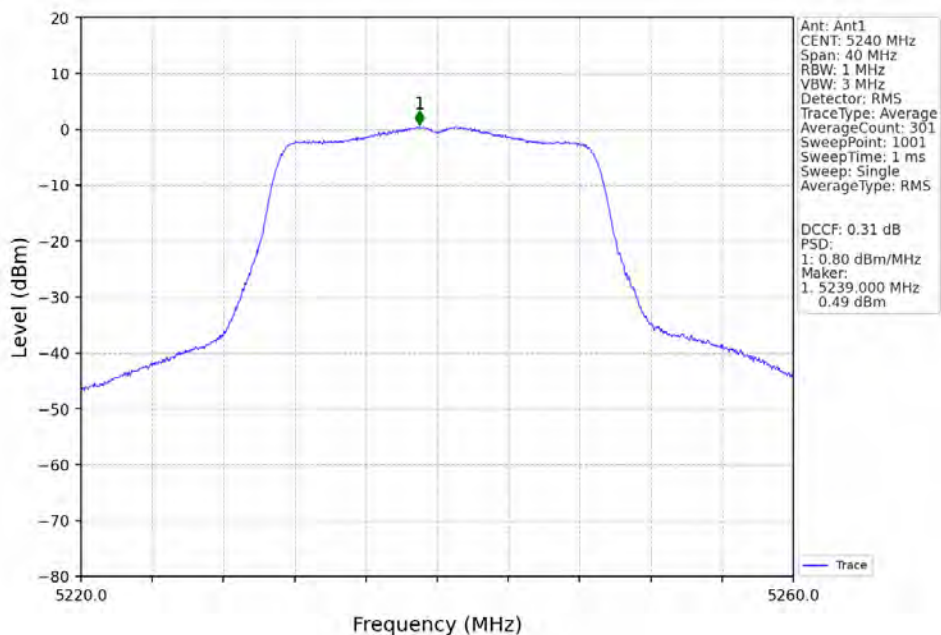
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



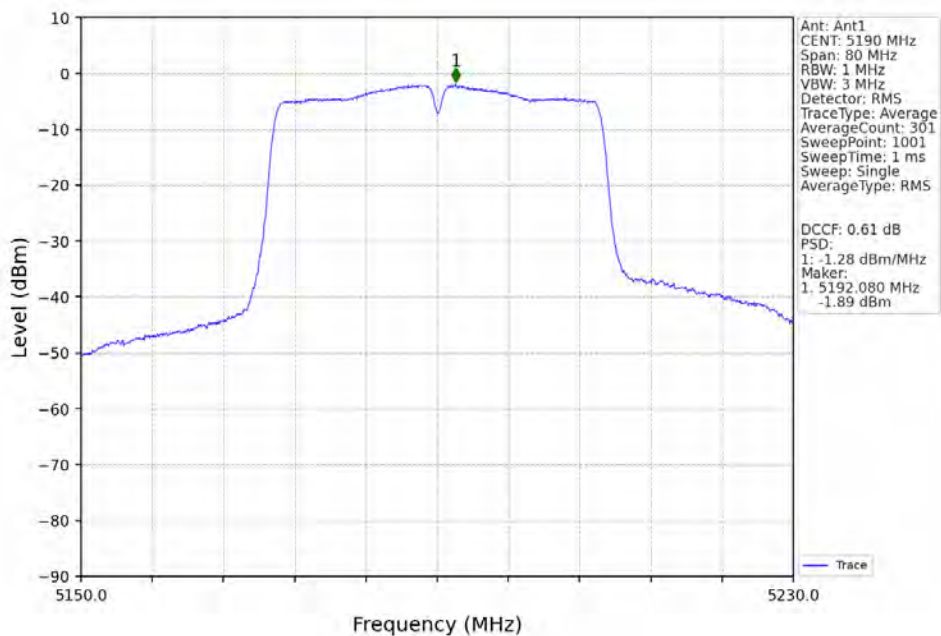
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

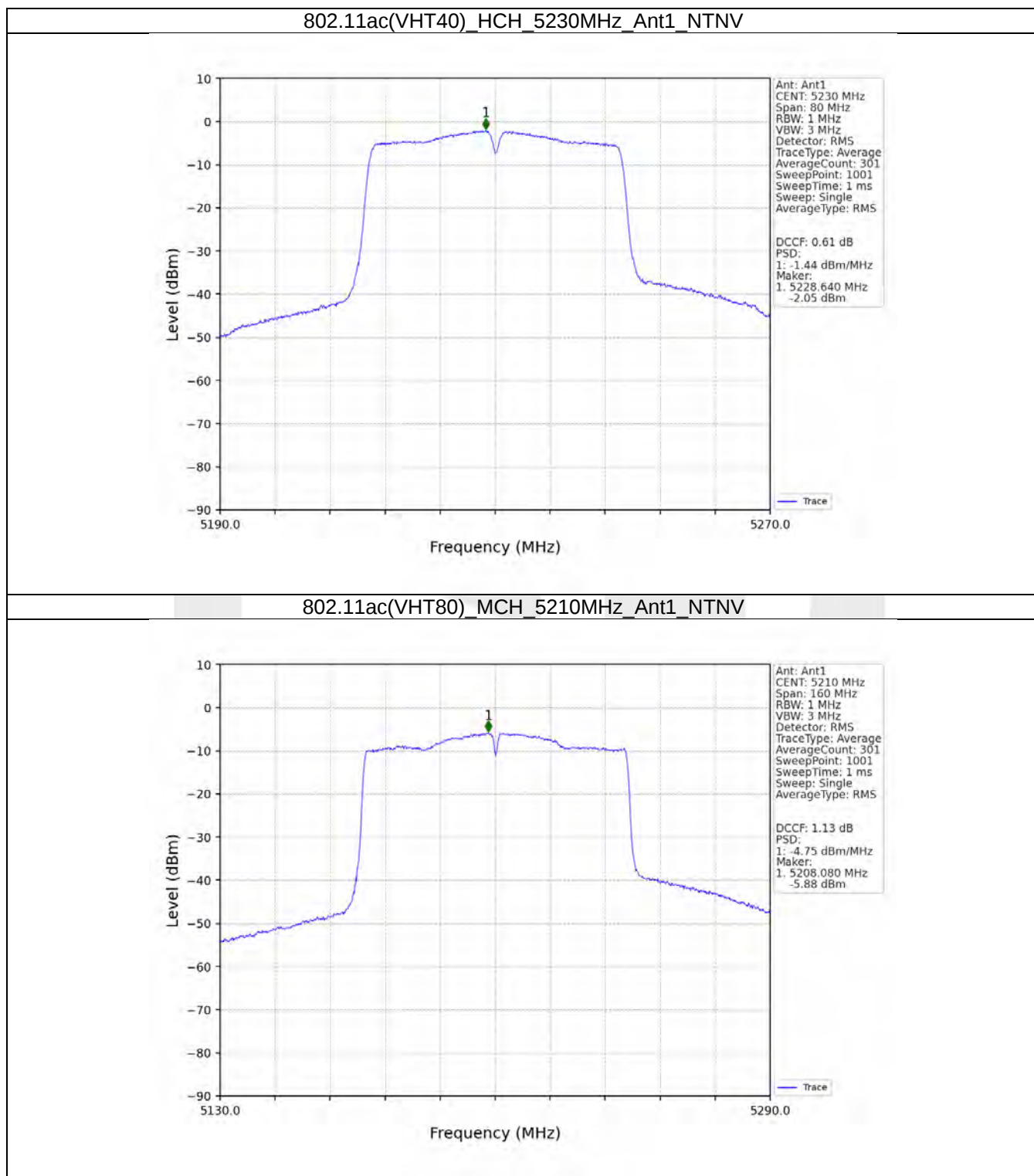


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

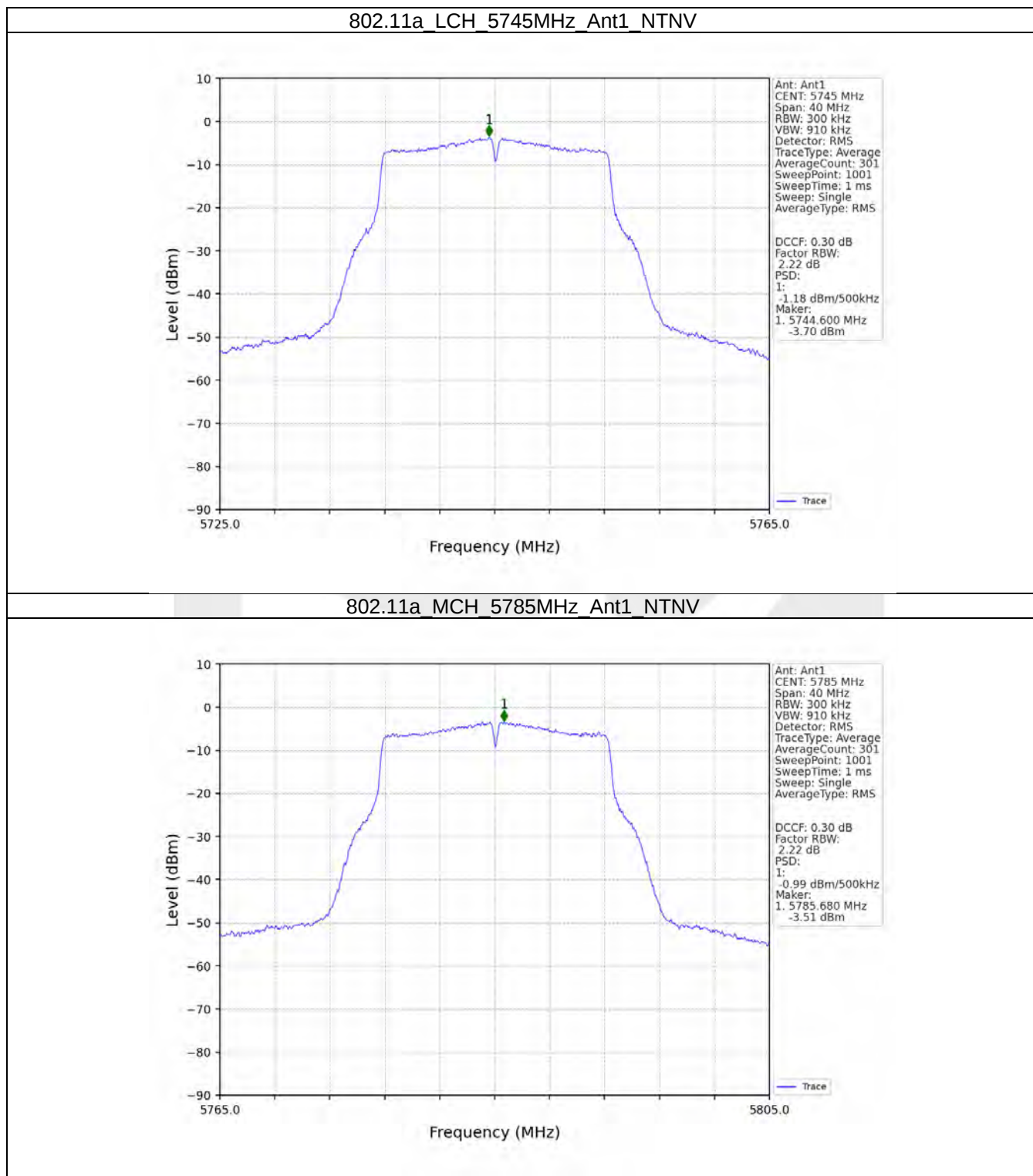


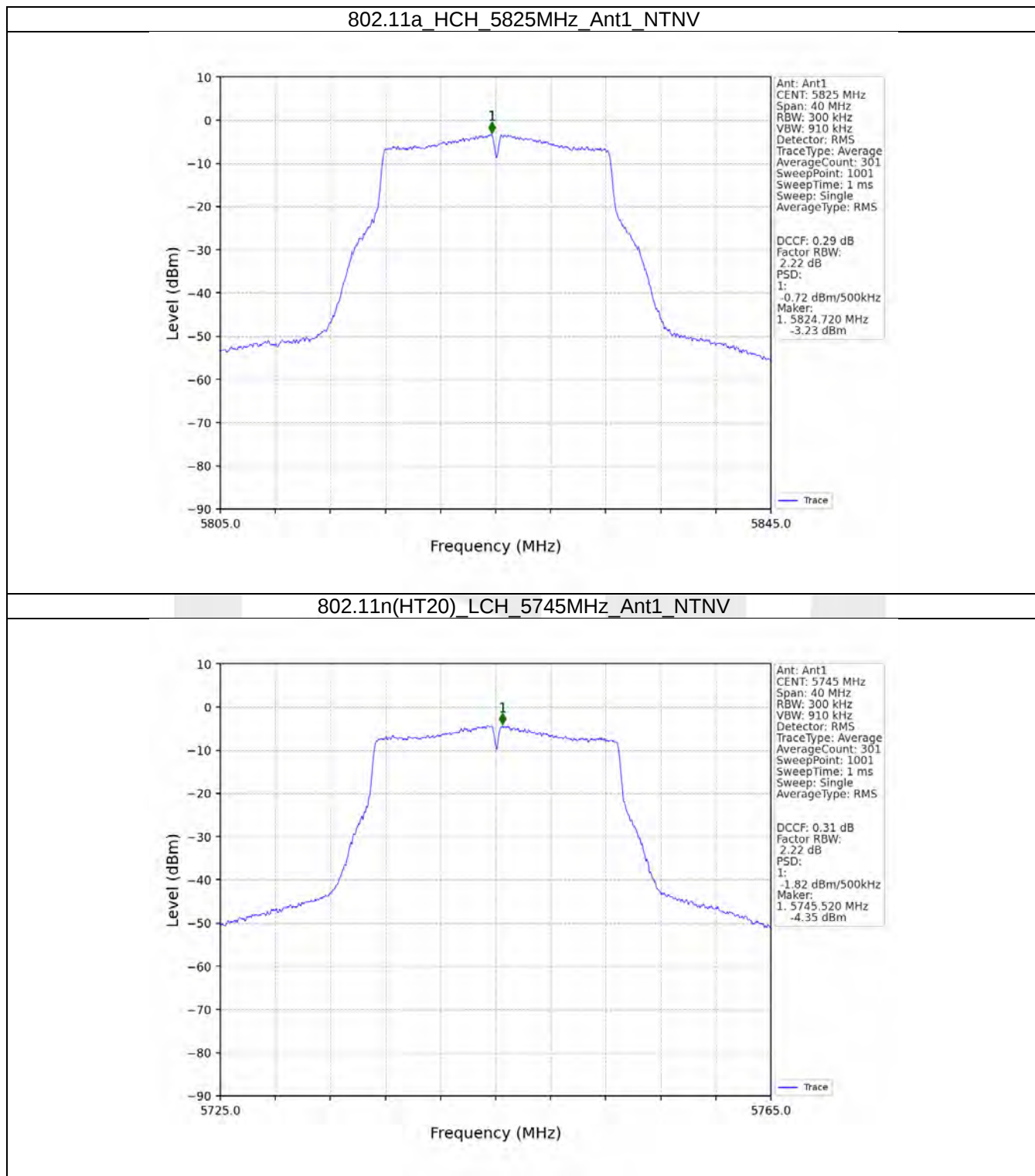
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



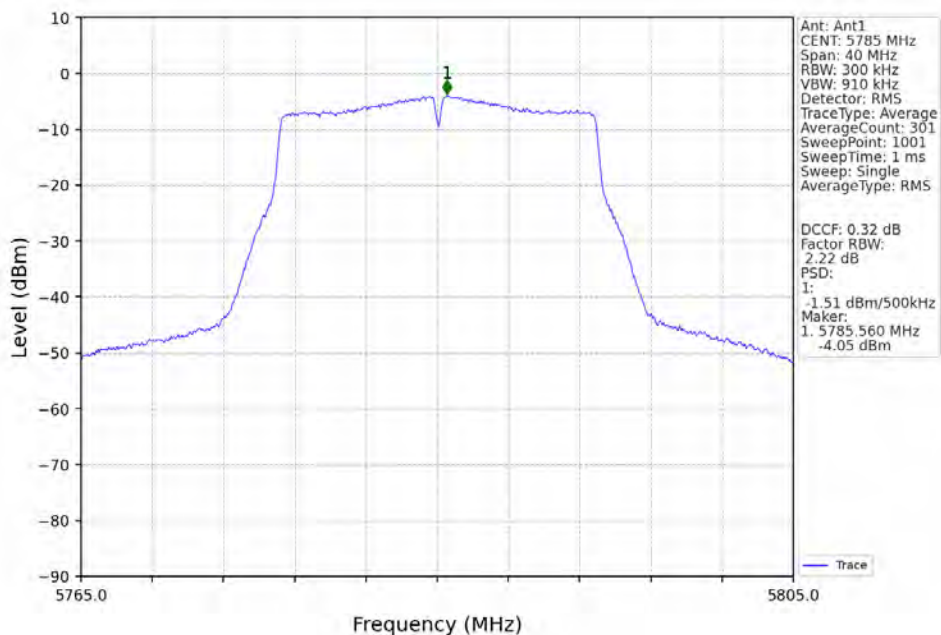


4.2.2 PSD-Band3

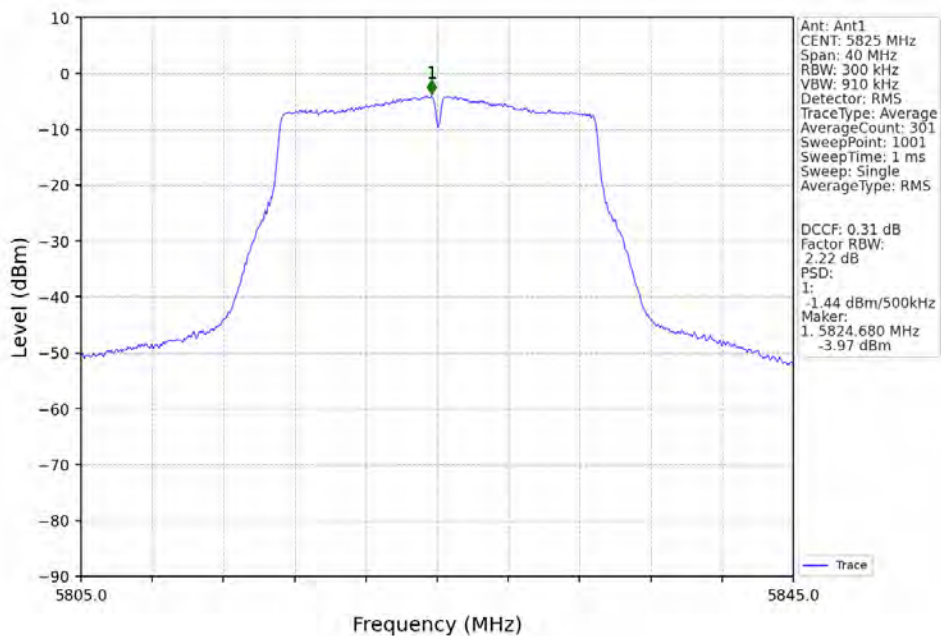




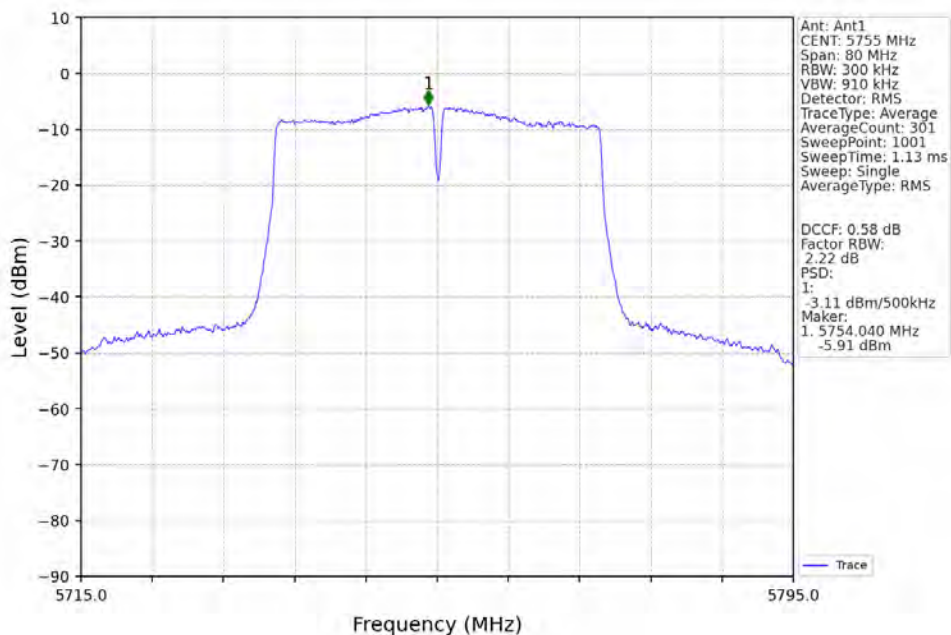
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



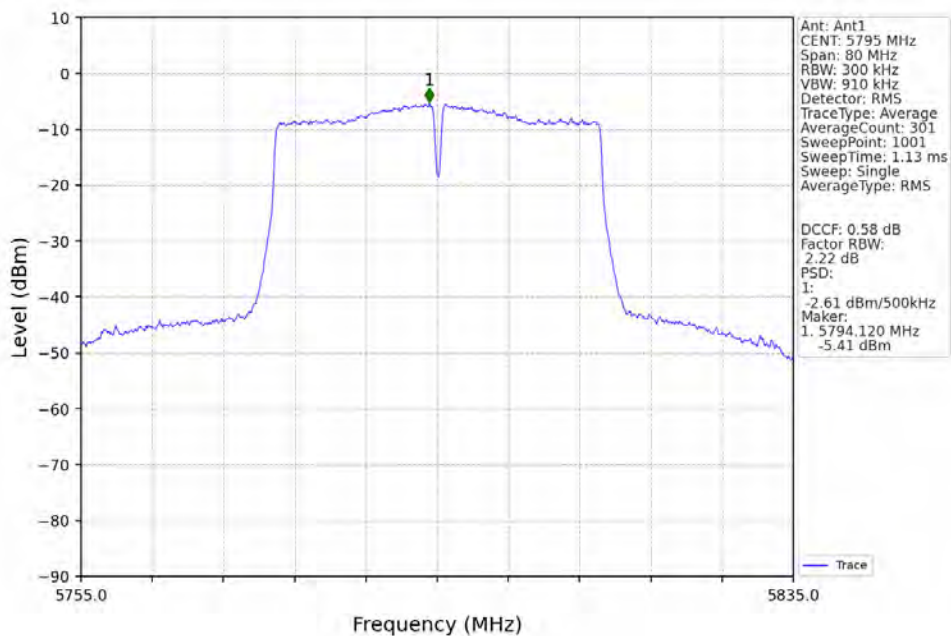
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



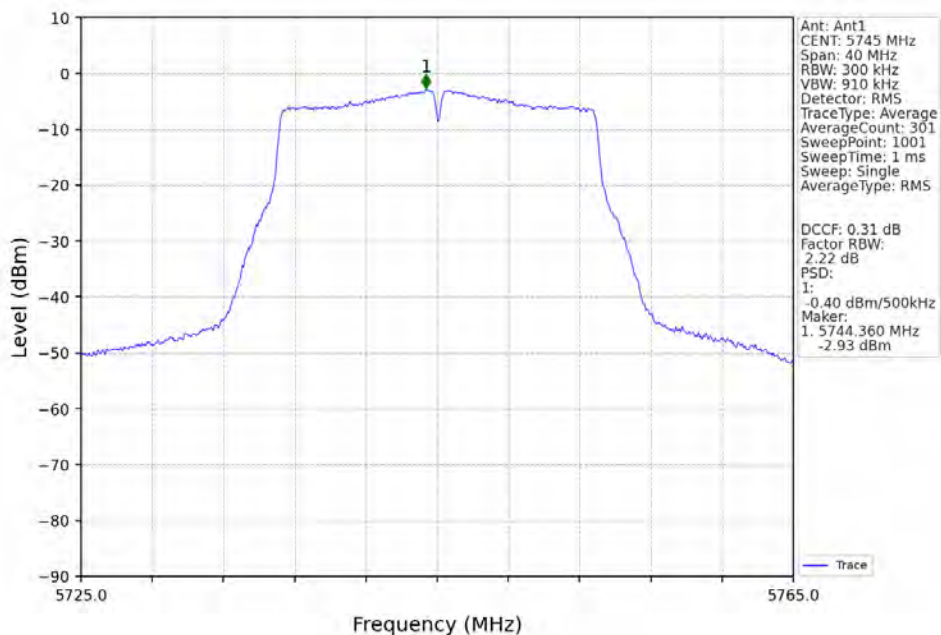
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



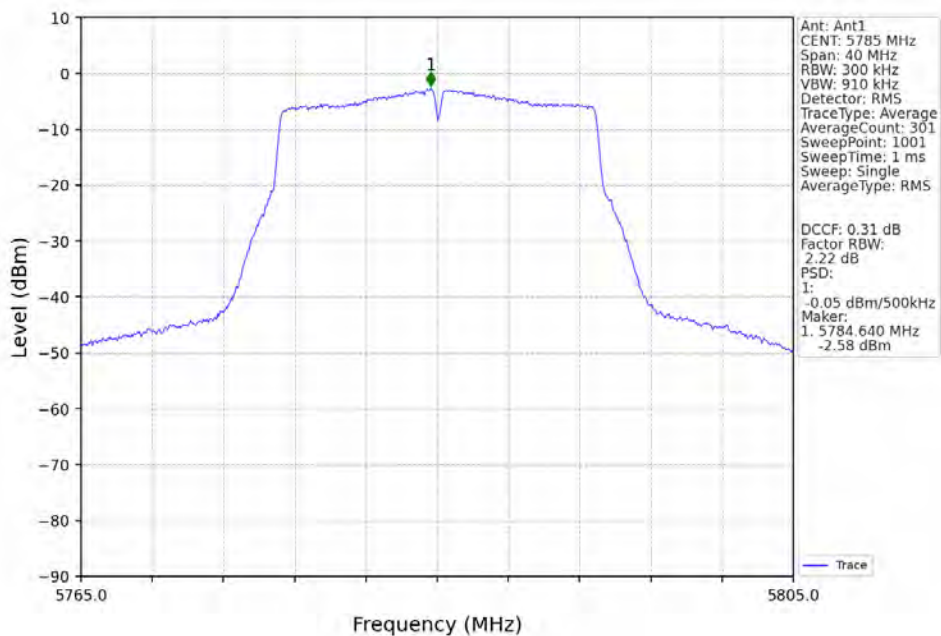
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



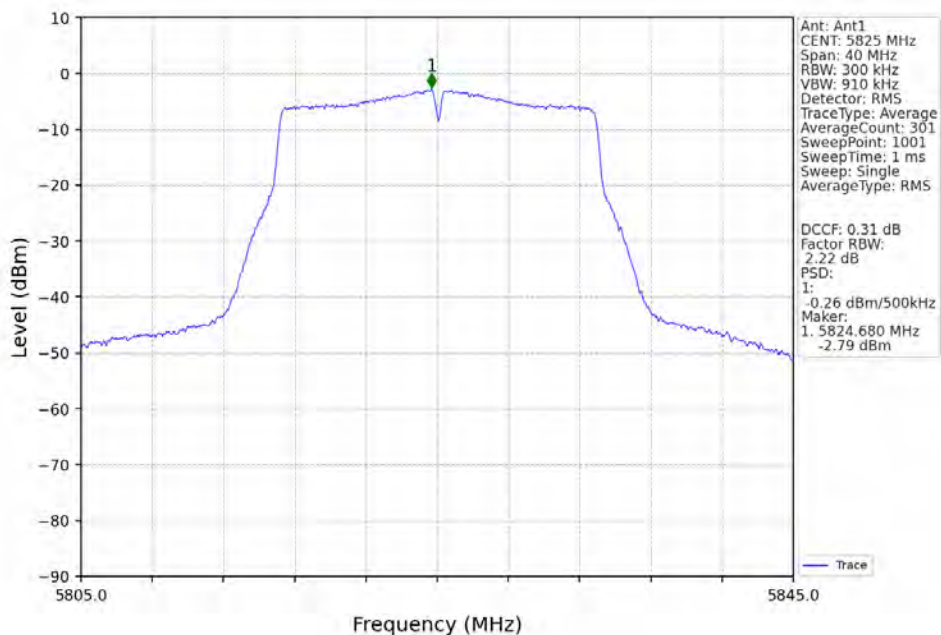
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



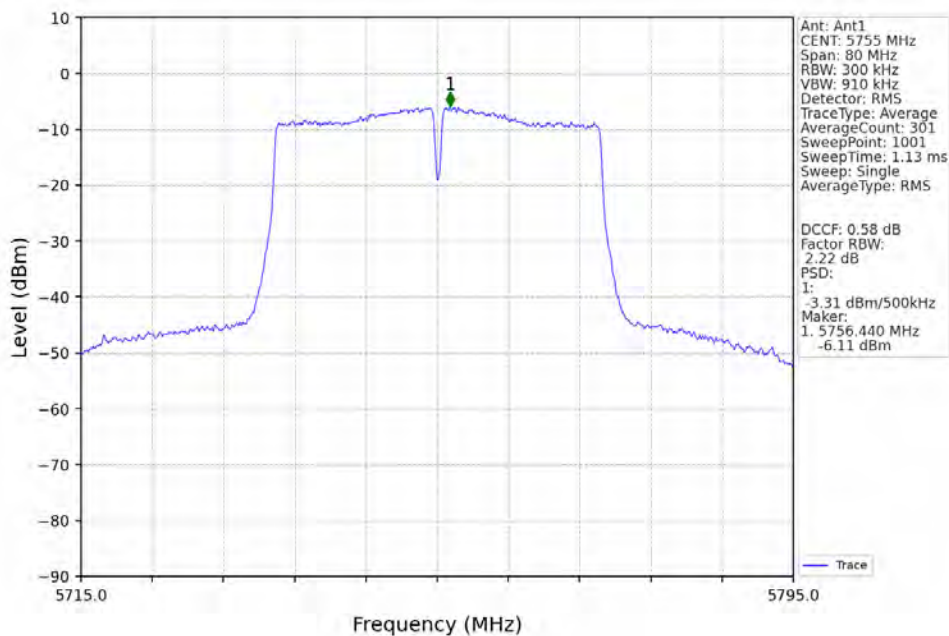
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



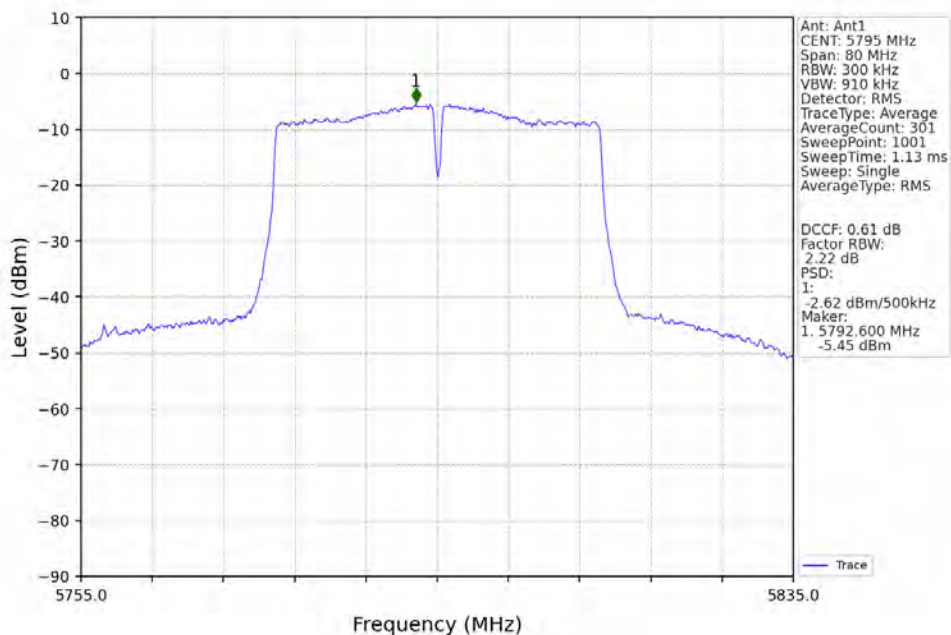
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



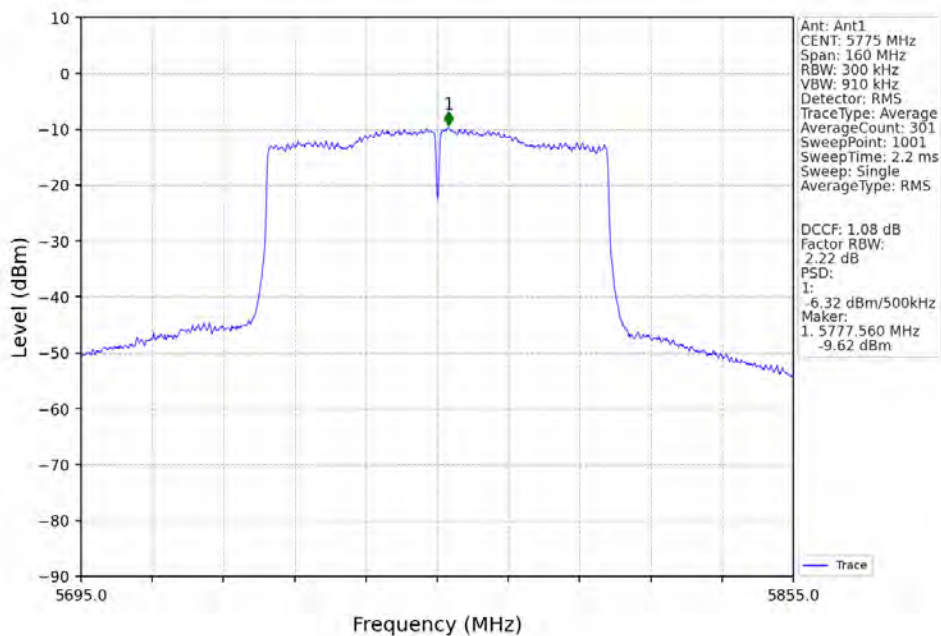
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



5. Unwanted Emissions In Restricted Frequency Bands

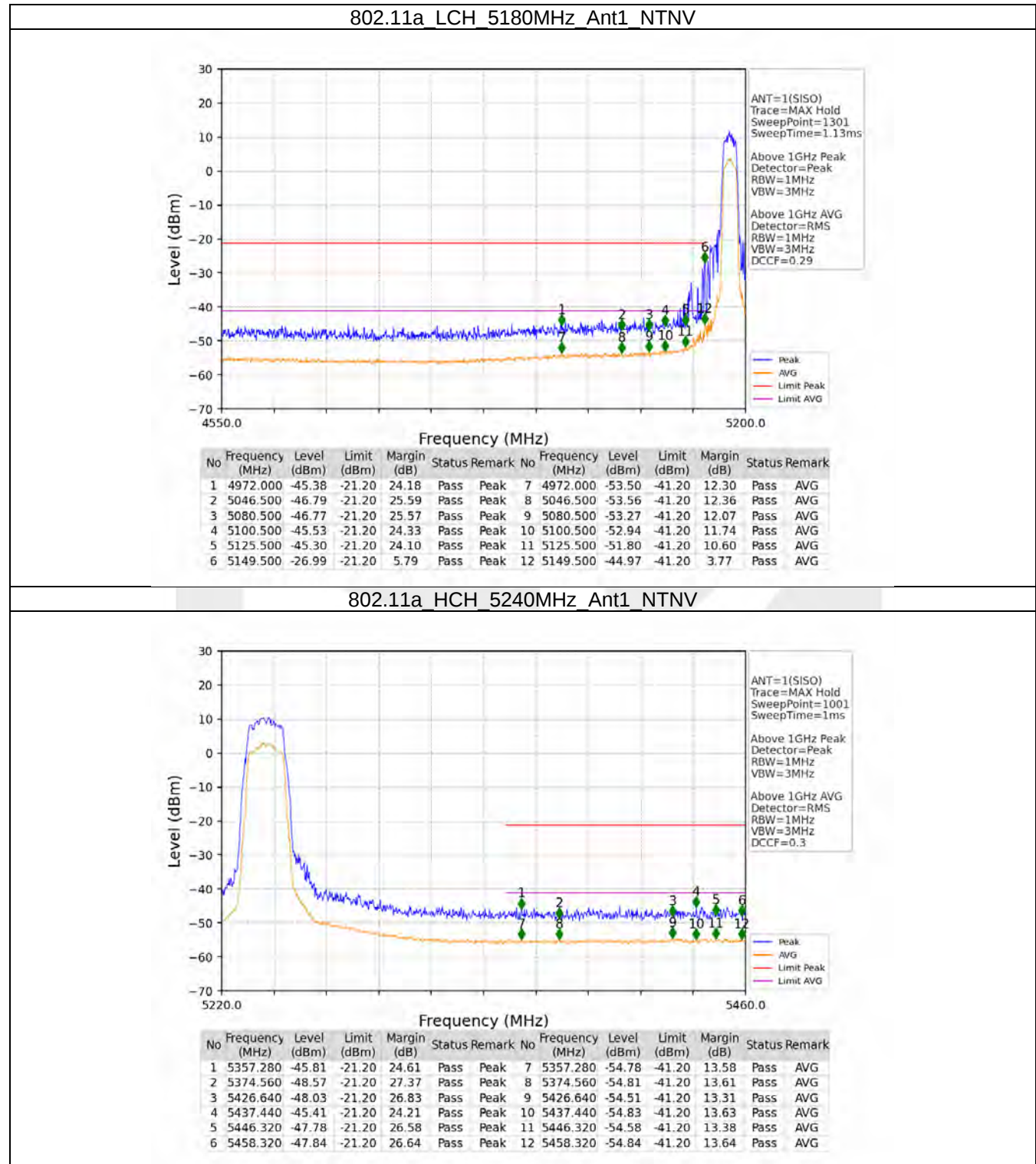
5.1 Test Result

5.1.1 CSE

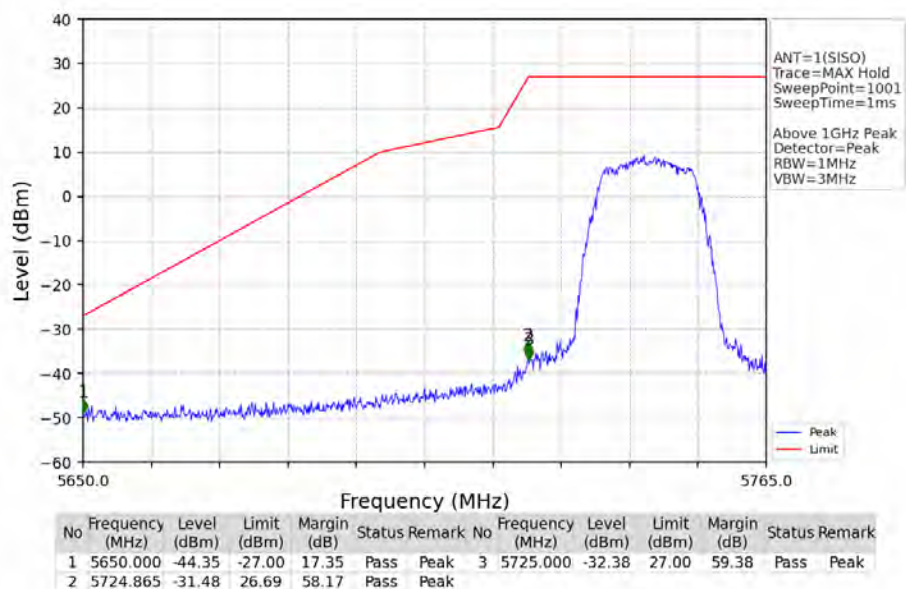
Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	Refer To Test Graph		Pass
		5240	1	Refer To Test Graph		Pass
		5745	1	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5180	1	Refer To Test Graph		Pass
		5240	1	Refer To Test Graph		Pass
		5745	1	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
802.11n (HT40)	SISO	5190	1	Refer To Test Graph		Pass
		5230	1	Refer To Test Graph		Pass
		5755	1	Refer To Test Graph		Pass
		5795	1	Refer To Test Graph		Pass
802.11ac (VHT20)	SISO	5180	1	Refer To Test Graph		Pass
		5240	1	Refer To Test Graph		Pass
		5745	1	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
802.11ac (VHT40)	SISO	5190	1	Refer To Test Graph		Pass
		5230	1	Refer To Test Graph		Pass
		5755	1	Refer To Test Graph		Pass
		5795	1	Refer To Test Graph		Pass
802.11ac (VHT80)	SISO	5210	1	Refer To Test Graph		Pass
		5775	1	Refer To Test Graph		Pass
Note: 1) EIRP[dBm]=E[dBuV/m]- 95.2, for d= 3 m; 2) Level[dBm] results have calculated the antenna gain; 3) Antenna gain= U-NII-1: 5150 MHz to 5250 MHz: 3.4 dBi and U-NII-3: 5725 MHz to 5850 MHz: 3.1 dBi						

5.2 Test Graph

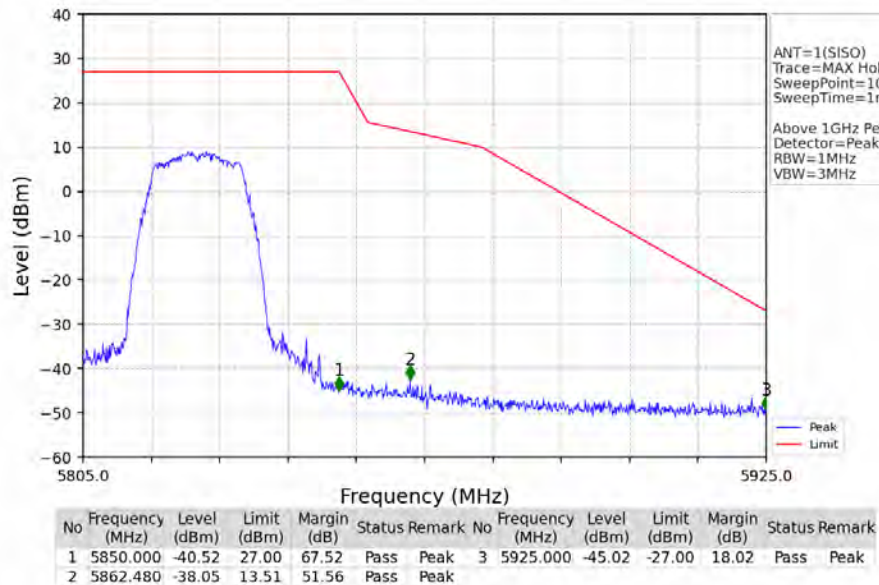
5.2.1 CSE



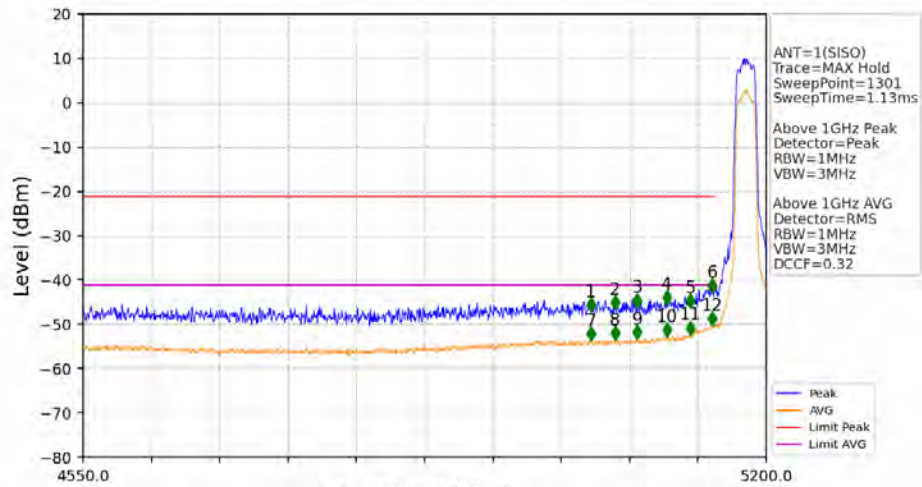
802.11a_LCH_5745MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV

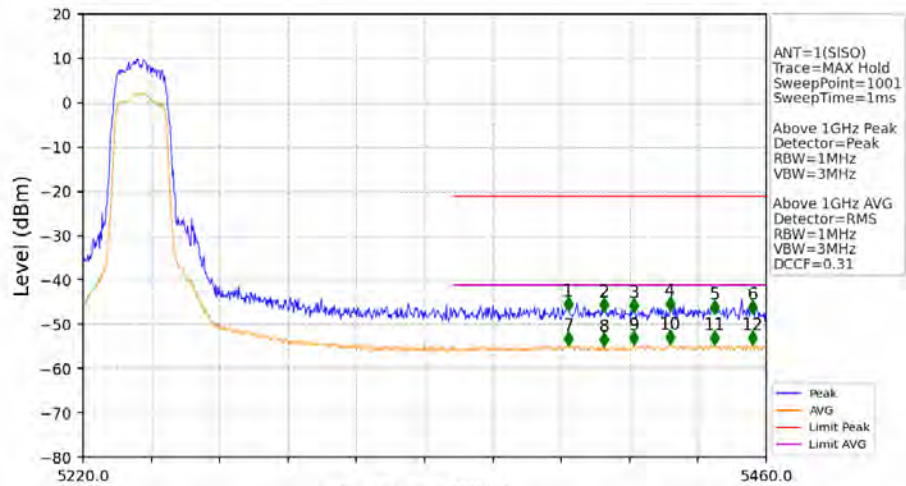


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



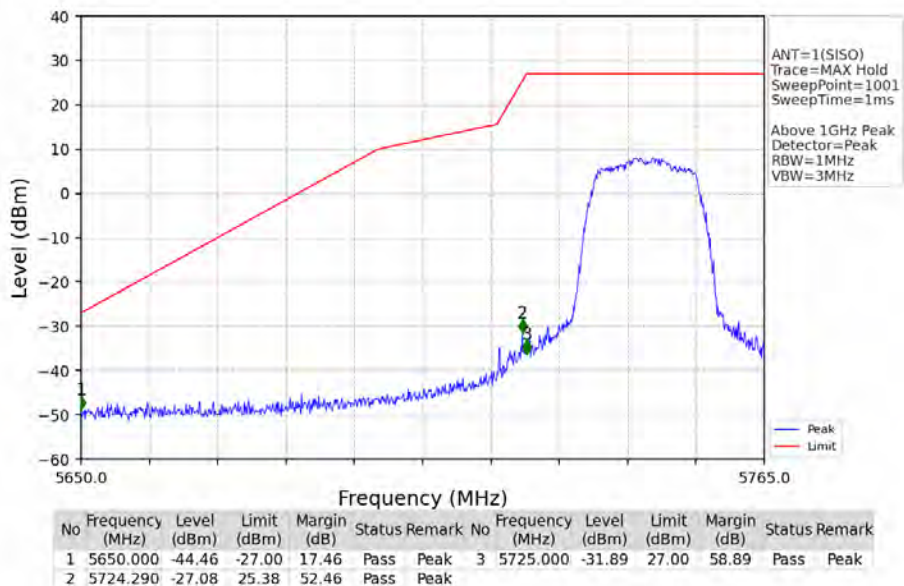
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5033.000	-47.11	-21.20	25.91	Pass Peak	7	5033.000	-53.65	-41.20	12.45	Pass AVG
2	5056.000	-46.55	-21.20	25.35	Pass Peak	8	5056.000	-53.50	-41.20	12.30	Pass AVG
3	5077.000	-46.16	-21.20	24.96	Pass Peak	9	5077.000	-53.34	-41.20	12.14	Pass AVG
4	5105.500	-45.48	-21.20	24.28	Pass Peak	10	5105.500	-52.82	-41.20	11.62	Pass AVG
5	5127.500	-46.18	-21.20	24.98	Pass Peak	11	5127.500	-52.35	-41.20	11.15	Pass AVG
6	5148.500	-42.79	-21.20	21.59	Pass Peak	12	5148.500	-50.21	-41.20	9.01	Pass AVG

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

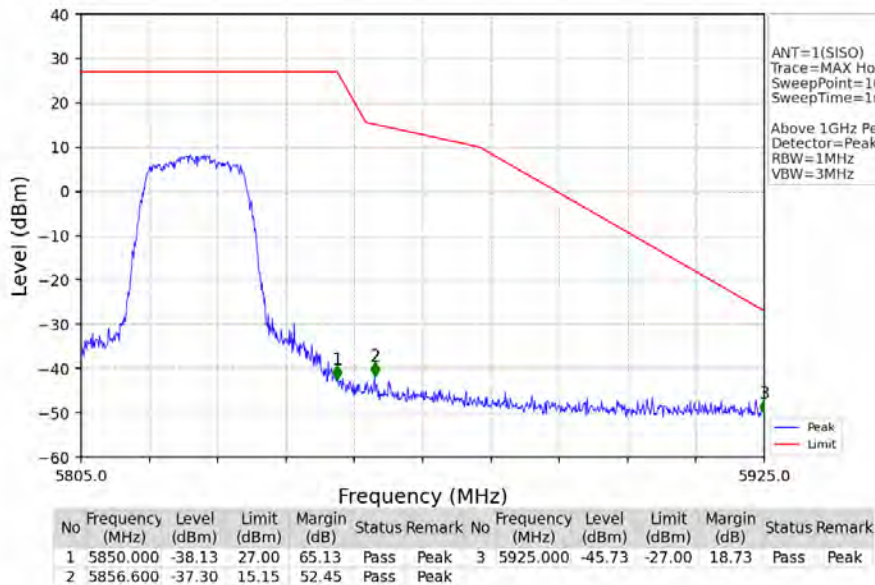


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5390.400	-46.93	-21.20	25.73	Pass Peak	7	5390.400	-54.74	-41.20	13.54	Pass AVG
2	5403.120	-47.16	-21.20	25.96	Pass Peak	8	5403.120	-54.98	-41.20	13.78	Pass AVG
3	5413.440	-47.29	-21.20	26.09	Pass Peak	9	5413.440	-54.68	-41.20	13.48	Pass AVG
4	5426.160	-46.92	-21.20	25.72	Pass Peak	10	5426.160	-54.42	-41.20	13.22	Pass AVG
5	5441.760	-47.75	-21.20	26.55	Pass Peak	11	5441.760	-54.63	-41.20	13.43	Pass AVG
6	5455.200	-47.67	-21.20	26.47	Pass Peak	12	5455.200	-54.60	-41.20	13.40	Pass AVG

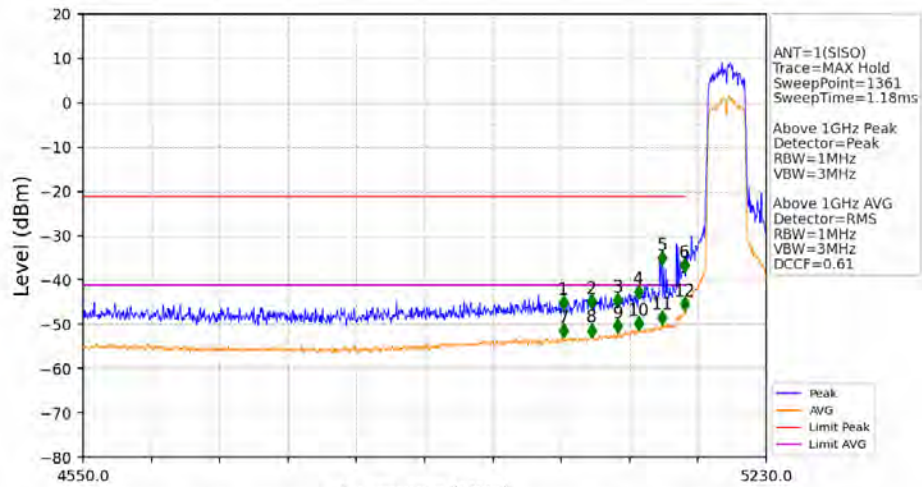
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

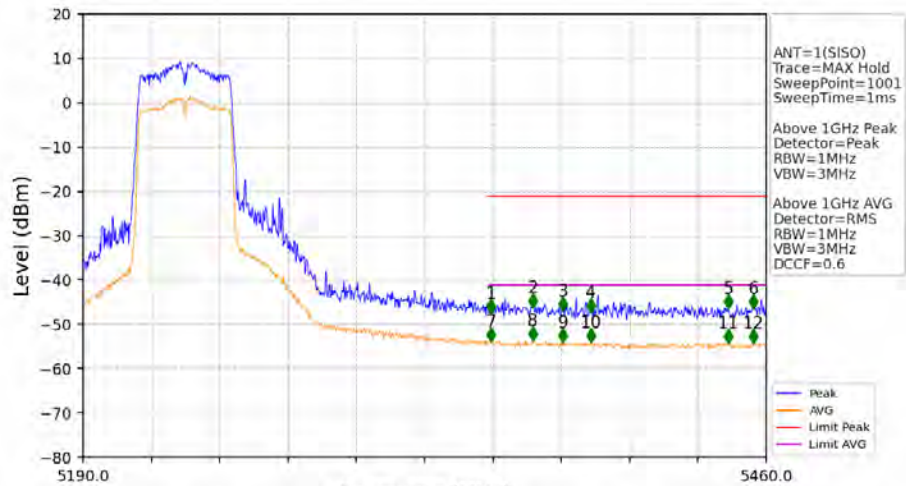


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



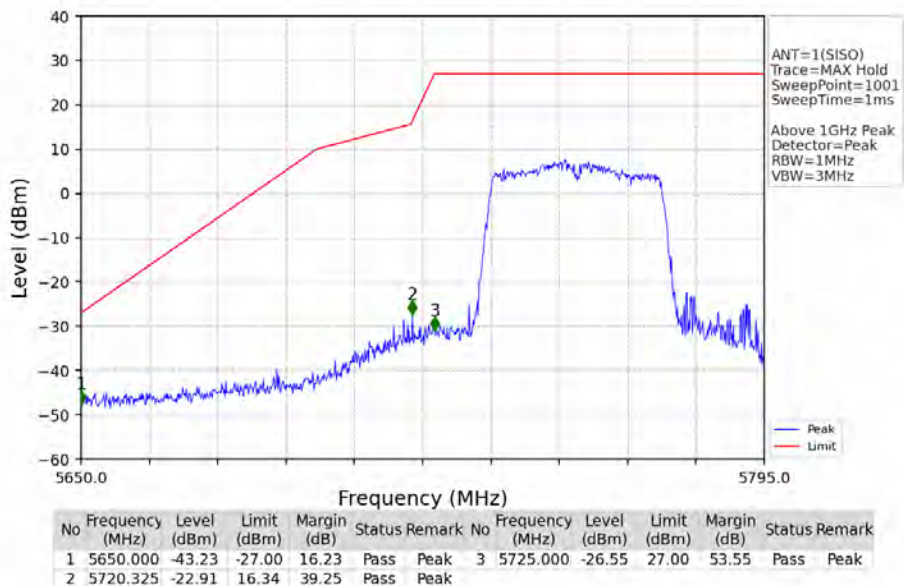
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5028.000	-46.56	-21.20	25.36	Pass Peak	7	5028.000	-52.98	-41.20	11.78	Pass AVG
2	5056.000	-46.47	-21.20	25.27	Pass Peak	8	5056.000	-52.90	-41.20	11.70	Pass AVG
3	5082.500	-46.09	-21.20	24.89	Pass Peak	9	5082.500	-51.98	-41.20	10.78	Pass AVG
4	5103.000	-44.20	-21.20	23.00	Pass Peak	10	5103.000	-51.35	-41.20	10.15	Pass AVG
5	5126.500	-36.54	-21.20	15.34	Pass Peak	11	5126.500	-49.99	-41.20	8.79	Pass AVG
6	5148.500	-38.22	-21.20	17.02	Pass Peak	12	5148.500	-46.92	-41.20	5.72	Pass AVG

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

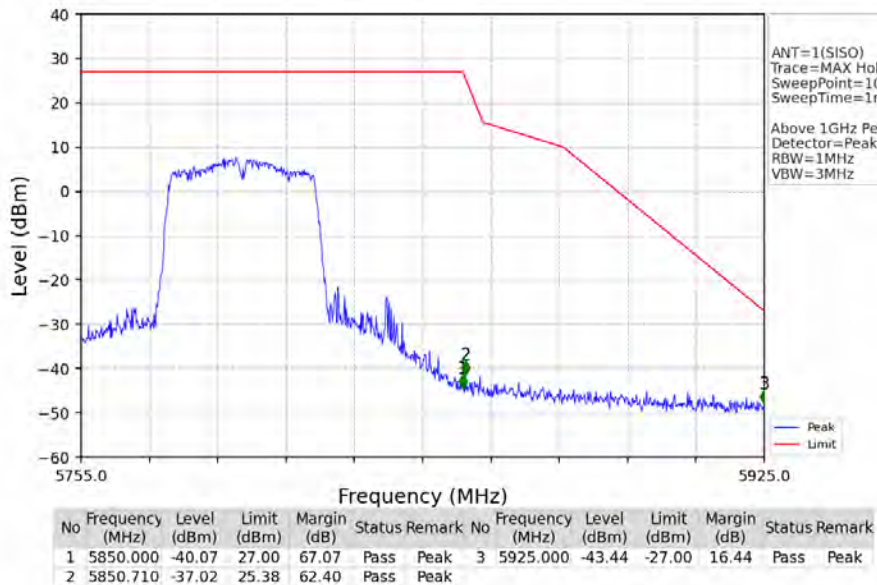


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5351.190	-47.53	-21.20	26.33	Pass Peak	7	5351.190	-53.84	-41.20	12.64	Pass AVG
2	5367.660	-46.32	-21.20	25.12	Pass Peak	8	5367.660	-53.76	-41.20	12.56	Pass AVG
3	5379.540	-47.04	-21.20	25.84	Pass Peak	9	5379.540	-54.10	-41.20	12.90	Pass AVG
4	5390.610	-47.34	-21.20	26.14	Pass Peak	10	5390.610	-54.08	-41.20	12.88	Pass AVG
5	5444.880	-46.40	-21.20	25.20	Pass Peak	11	5444.880	-54.19	-41.20	12.99	Pass AVG
6	5454.870	-46.37	-21.20	25.17	Pass Peak	12	5454.870	-54.28	-41.20	13.08	Pass AVG

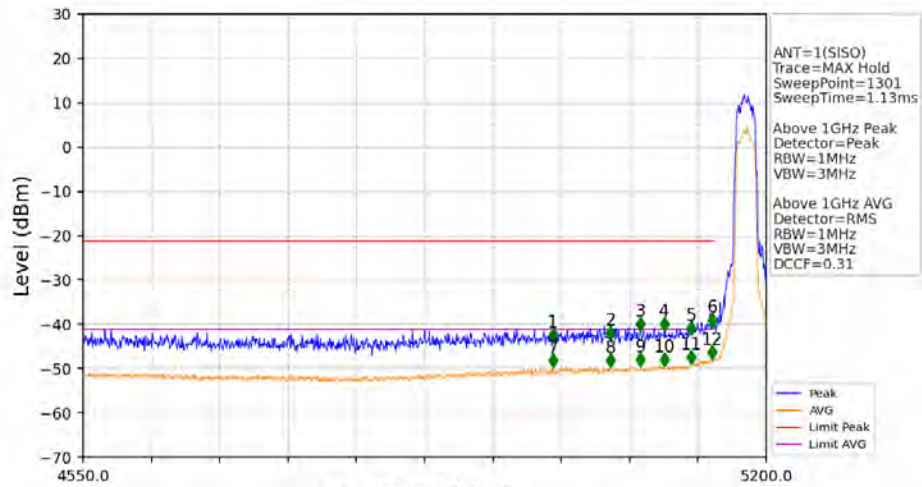
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

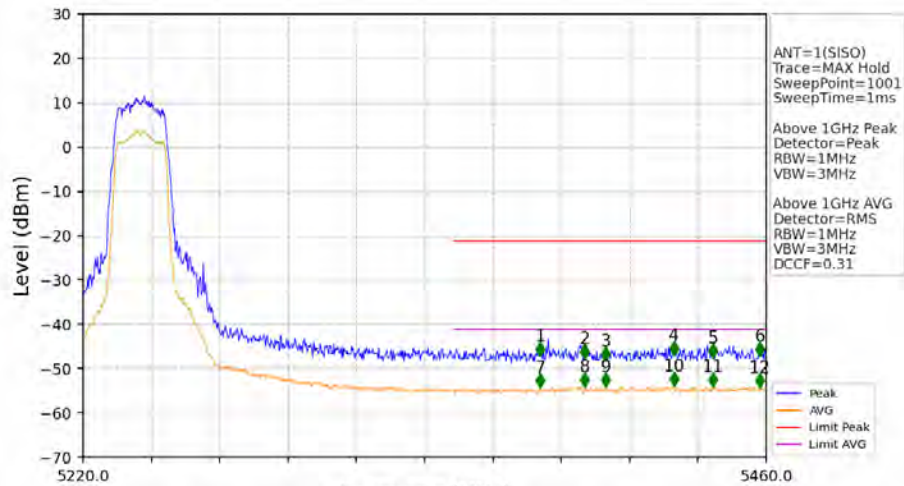


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



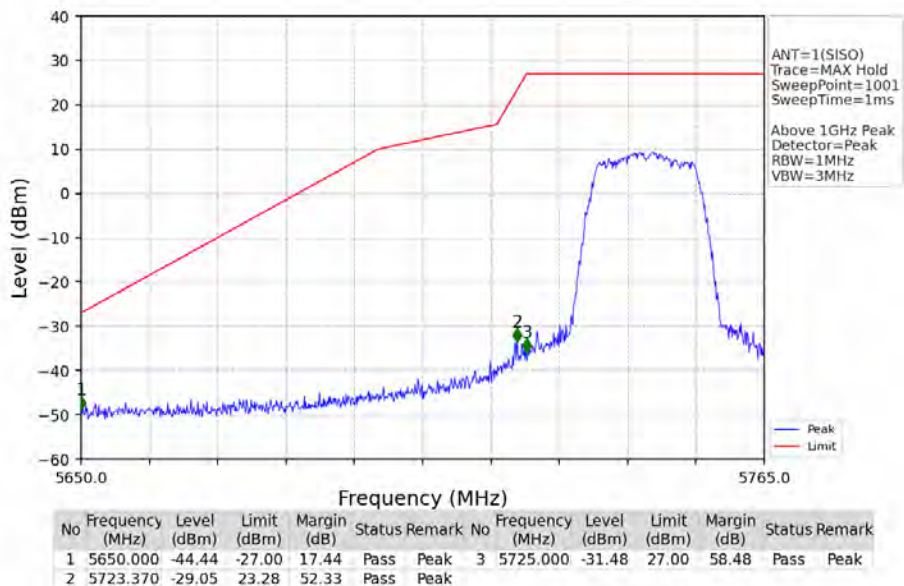
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	4997.000	-44.11	-21.20	22.91	Pass Peak	7	4997.000	-49.76	-41.20	8.56	Pass AVG
2	5051.500	-43.58	-21.20	22.38	Pass Peak	8	5051.500	-49.81	-41.20	8.61	Pass AVG
3	5080.500	-41.53	-21.20	20.33	Pass Peak	9	5080.500	-49.61	-41.20	8.41	Pass AVG
4	5103.000	-41.61	-21.20	20.41	Pass Peak	10	5103.000	-49.50	-41.20	8.30	Pass AVG
5	5128.500	-42.36	-21.20	21.16	Pass Peak	11	5128.500	-49.03	-41.20	7.83	Pass AVG
6	5148.500	-40.68	-21.20	19.48	Pass Peak	12	5148.500	-47.95	-41.20	6.75	Pass AVG

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

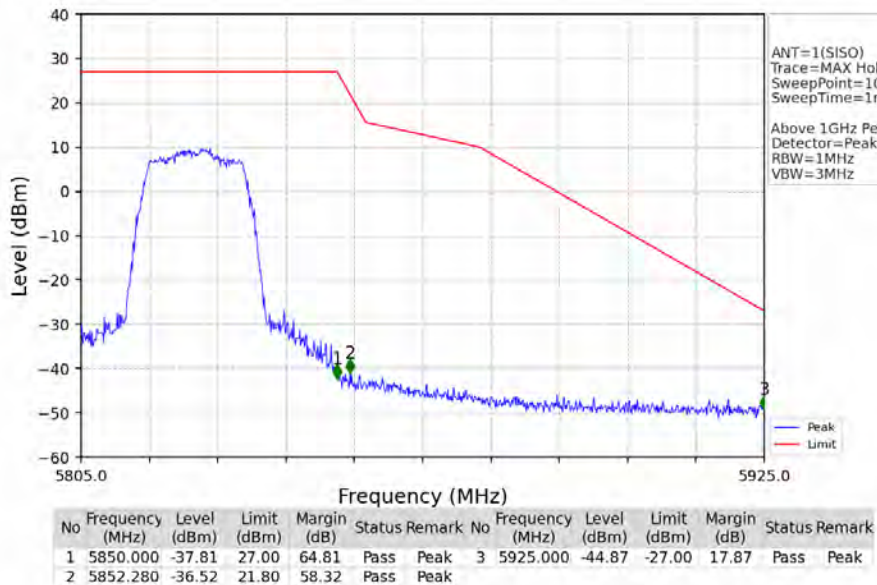


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5380.560	-47.11	-21.20	25.91	Pass Peak	7	5380.560	-54.37	-41.20	13.17	Pass AVG
2	5396.160	-47.77	-21.20	26.57	Pass Peak	8	5396.160	-54.13	-41.20	12.93	Pass AVG
3	5403.600	-48.29	-21.20	27.09	Pass Peak	9	5403.600	-54.12	-41.20	12.92	Pass AVG
4	5427.600	-46.92	-21.20	25.72	Pass Peak	10	5427.600	-53.94	-41.20	12.74	Pass AVG
5	5441.280	-47.53	-21.20	26.33	Pass Peak	11	5441.280	-54.12	-41.20	12.92	Pass AVG
6	5457.840	-47.22	-21.20	26.02	Pass Peak	12	5457.840	-54.28	-41.20	13.08	Pass AVG

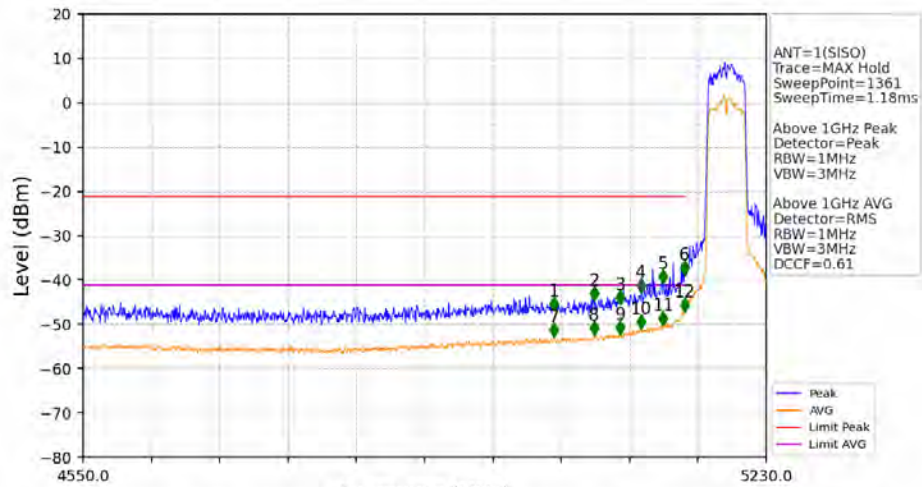
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

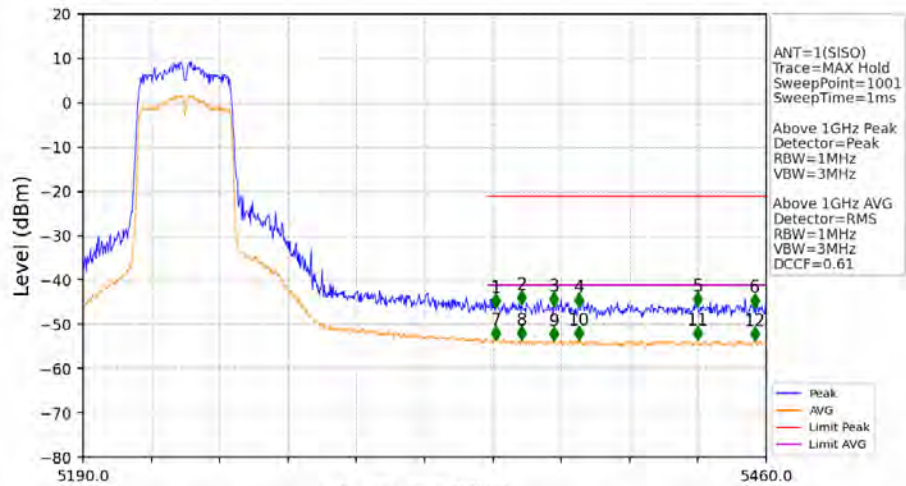


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



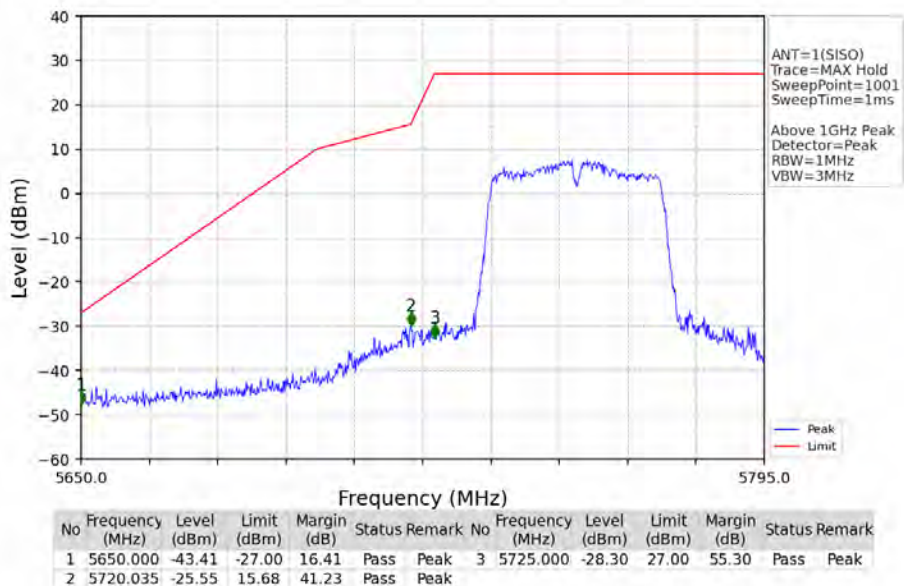
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5018.500	-46.94	-21.20	25.74	Pass Peak	7	5018.500	-52.87	-41.20	11.67	Pass AVG
2	5058.500	-44.63	-21.20	23.43	Pass Peak	8	5058.500	-52.51	-41.20	11.31	Pass AVG
3	5084.500	-45.55	-21.20	24.35	Pass Peak	9	5084.500	-52.19	-41.20	10.99	Pass AVG
4	5105.500	-42.85	-21.20	21.65	Pass Peak	10	5105.500	-50.94	-41.20	9.74	Pass AVG
5	5127.500	-40.76	-21.20	19.56	Pass Peak	11	5127.500	-50.32	-41.20	9.12	Pass AVG
6	5148.500	-38.77	-21.20	17.57	Pass Peak	12	5148.500	-47.09	-41.20	5.89	Pass AVG

802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

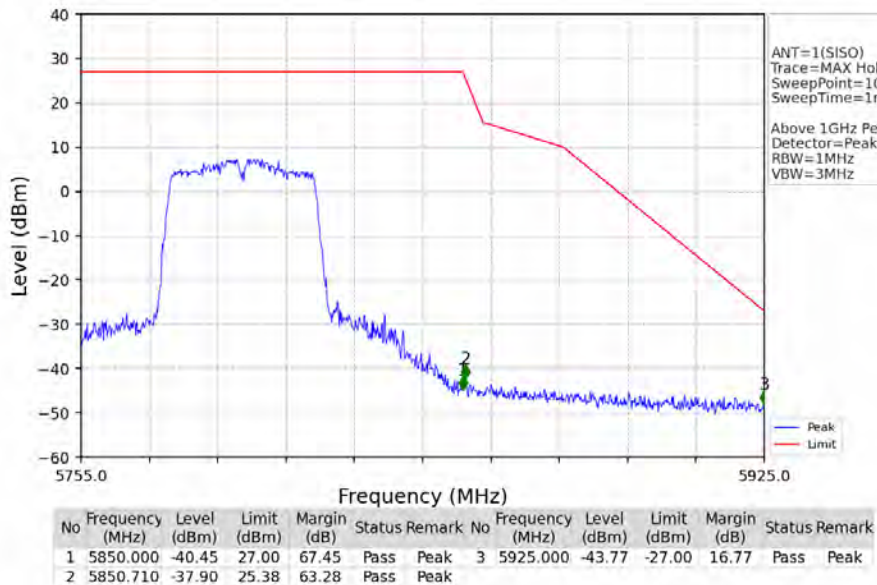


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5353.080	-46.29	-21.20	25.09	Pass Peak	7	5353.080	-53.52	-41.20	12.32	Pass AVG
2	5363.340	-45.45	-21.20	24.25	Pass Peak	8	5363.340	-53.53	-41.20	12.33	Pass AVG
3	5376.030	-45.84	-21.20	24.64	Pass Peak	9	5376.030	-53.71	-41.20	12.51	Pass AVG
4	5386.020	-45.99	-21.20	24.79	Pass Peak	10	5386.020	-53.56	-41.20	12.36	Pass AVG
5	5432.730	-45.83	-21.20	24.63	Pass Peak	11	5432.730	-53.54	-41.20	12.34	Pass AVG
6	5455.410	-46.16	-21.20	24.96	Pass Peak	12	5455.410	-53.68	-41.20	12.48	Pass AVG

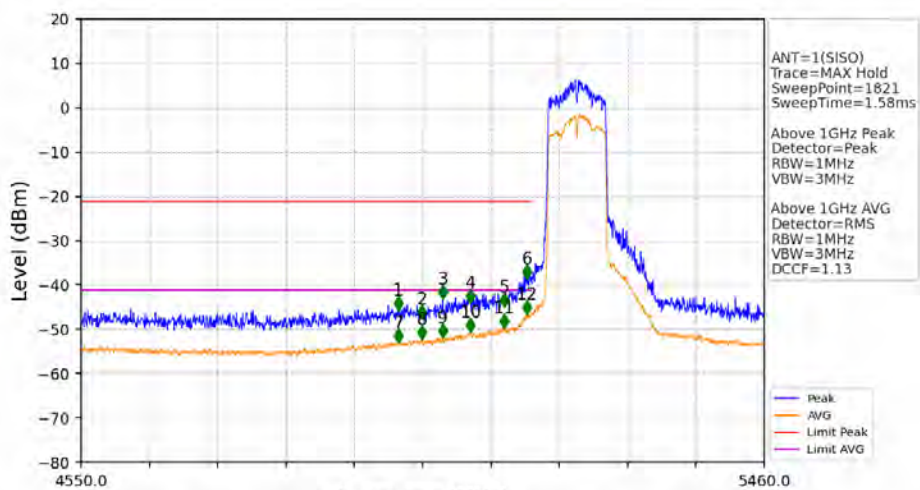
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



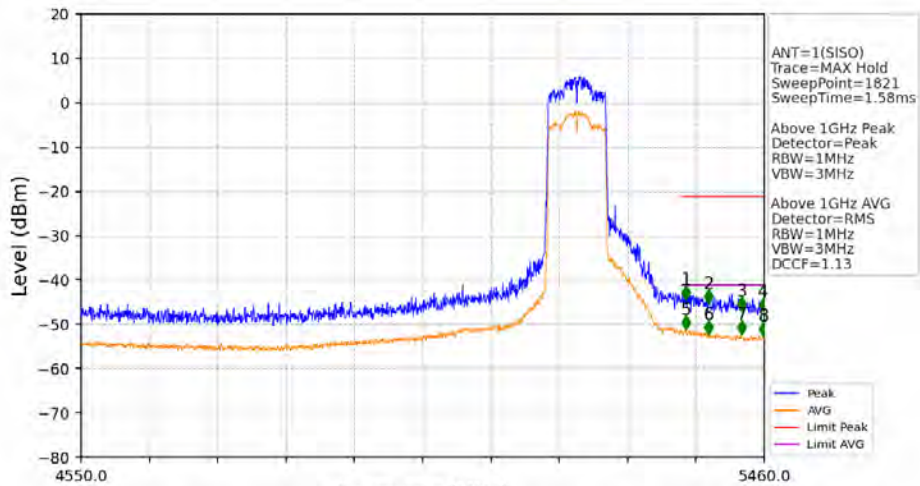
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



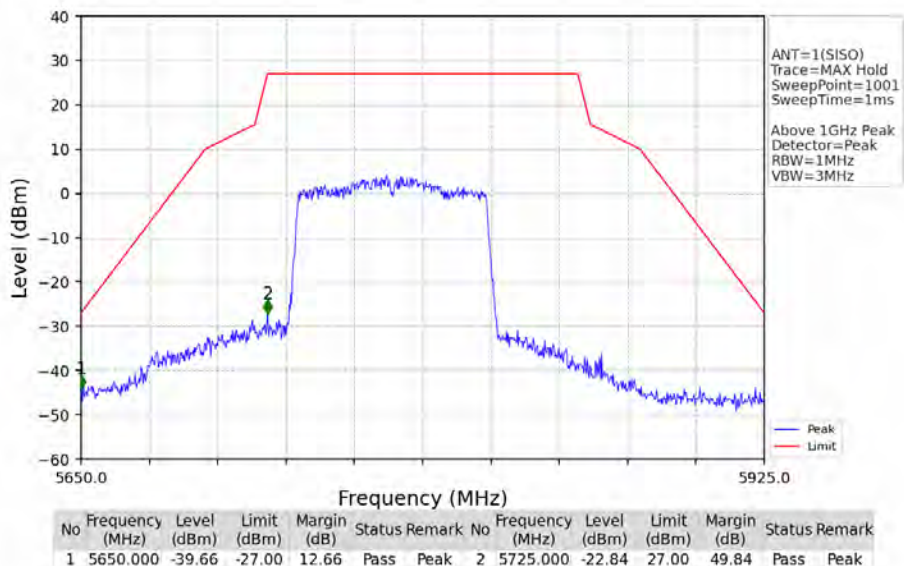
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



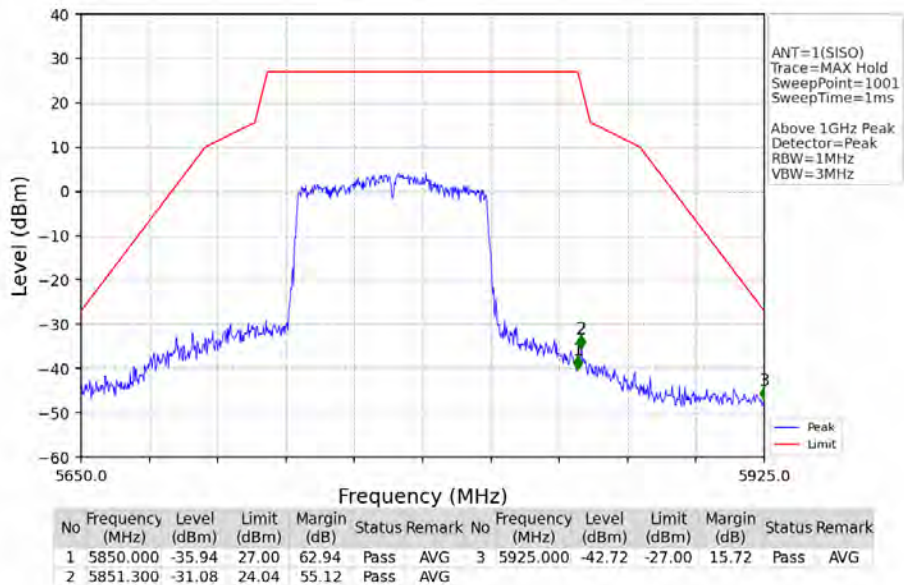
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



6. Frequency Stability

6.1 Test Result

6.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	102	5180.017	5150 to 5250	Pass
				120	5180.017	5150 to 5250	Pass
				138	5180.017	5150 to 5250	Pass
			-30	120	5180.017	5150 to 5250	Pass
			-20	120	5180.017	5150 to 5250	Pass
			-10	120	5180.017	5150 to 5250	Pass
			0	120	5180.017	5150 to 5250	Pass
			10	120	5180.017	5150 to 5250	Pass
			30	120	5180.017	5150 to 5250	Pass
			40	120	5180.017	5150 to 5250	Pass
			50	120	5180.017	5150 to 5250	Pass
		5200	20	102	5200.018	5150 to 5250	Pass
				120	5200.018	5150 to 5250	Pass
				138	5200.018	5150 to 5250	Pass
			-30	120	5200.018	5150 to 5250	Pass
			-20	120	5200.018	5150 to 5250	Pass
			-10	120	5200.018	5150 to 5250	Pass
			0	120	5200.018	5150 to 5250	Pass
			10	120	5200.018	5150 to 5250	Pass
			30	120	5200.018	5150 to 5250	Pass
			40	120	5200.018	5150 to 5250	Pass
			50	120	5200.018	5150 to 5250	Pass
		5240	20	102	5240.018	5150 to 5250	Pass
				120	5240.018	5150 to 5250	Pass
				138	5240.018	5150 to 5250	Pass
			-30	120	5240.018	5150 to 5250	Pass
			-20	120	5240.018	5150 to 5250	Pass
			-10	120	5240.018	5150 to 5250	Pass
			0	120	5240.018	5150 to 5250	Pass
			10	120	5240.018	5150 to 5250	Pass
			30	120	5240.018	5150 to 5250	Pass
			40	120	5240.018	5150 to 5250	Pass
			50	120	5240.018	5150 to 5250	Pass
		5745	20	102	5745.020	5725 to 5850	Pass
				120	5745.020	5725 to 5850	Pass
				138	5745.020	5725 to 5850	Pass
			-30	120	5745.020	5725 to 5850	Pass
			-20	120	5745.020	5725 to 5850	Pass
			-10	120	5745.020	5725 to 5850	Pass
			0	120	5745.020	5725 to 5850	Pass
			10	120	5745.020	5725 to 5850	Pass
			30	120	5745.020	5725 to 5850	Pass

			40	120	5745.020	5725 to 5850	Pass
			50	120	5745.020	5725 to 5850	Pass
		5785	20	102	5785.020	5725 to 5850	Pass
				120	5785.020	5725 to 5850	Pass
				138	5785.020	5725 to 5850	Pass
			-30	120	5785.020	5725 to 5850	Pass
			-20	120	5785.020	5725 to 5850	Pass
			-10	120	5785.020	5725 to 5850	Pass
			0	120	5785.020	5725 to 5850	Pass
			10	120	5785.020	5725 to 5850	Pass
			30	120	5785.020	5725 to 5850	Pass
			40	120	5785.020	5725 to 5850	Pass
			50	120	5785.020	5725 to 5850	Pass
		5825	20	102	5825.020	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
				138	5825.020	5725 to 5850	Pass
			-30	120	5825.020	5725 to 5850	Pass
			-20	120	5825.020	5725 to 5850	Pass
			-10	120	5825.020	5725 to 5850	Pass
			0	120	5825.020	5725 to 5850	Pass
			10	120	5825.020	5725 to 5850	Pass
			30	120	5825.020	5725 to 5850	Pass
			40	120	5825.020	5725 to 5850	Pass
			50	120	5825.020	5725 to 5850	Pass
		5190	20	102	5190.018	5150 to 5250	Pass
				120	5190.018	5150 to 5250	Pass
				138	5190.018	5150 to 5250	Pass
			-30	120	5190.018	5150 to 5250	Pass
			-20	120	5190.018	5150 to 5250	Pass
			-10	120	5190.018	5150 to 5250	Pass
			0	120	5190.018	5150 to 5250	Pass
			10	120	5190.018	5150 to 5250	Pass
			30	120	5190.018	5150 to 5250	Pass
			40	120	5190.018	5150 to 5250	Pass
			50	120	5190.018	5150 to 5250	Pass
		5230	20	102	5230.018	5150 to 5250	Pass
				120	5230.018	5150 to 5250	Pass
				138	5230.018	5150 to 5250	Pass
			-30	120	5230.018	5150 to 5250	Pass
			-20	120	5230.018	5150 to 5250	Pass
			-10	120	5230.018	5150 to 5250	Pass
			0	120	5230.018	5150 to 5250	Pass
			10	120	5230.018	5150 to 5250	Pass
			30	120	5230.018	5150 to 5250	Pass
			40	120	5230.018	5150 to 5250	Pass
			50	120	5230.018	5150 to 5250	Pass
		5755	20	102	5755.020	5725 to 5850	Pass
				120	5755.020	5725 to 5850	Pass
				138	5755.020	5725 to 5850	Pass
			-30	120	5755.020	5725 to 5850	Pass
			-20	120	5755.020	5725 to 5850	Pass
			-10	120	5755.020	5725 to 5850	Pass

			0	120	5755.020	5725 to 5850	Pass
			10	120	5755.020	5725 to 5850	Pass
			30	120	5755.020	5725 to 5850	Pass
			40	120	5755.020	5725 to 5850	Pass
			50	120	5755.020	5725 to 5850	Pass
		5795	20	102	5795.021	5725 to 5850	Pass
				120	5795.020	5725 to 5850	Pass
				138	5795.020	5725 to 5850	Pass
			-30	120	5795.021	5725 to 5850	Pass
			-20	120	5795.021	5725 to 5850	Pass
			-10	120	5795.021	5725 to 5850	Pass
			0	120	5795.021	5725 to 5850	Pass
			10	120	5795.021	5725 to 5850	Pass
			30	120	5795.021	5725 to 5850	Pass
			40	120	5795.021	5725 to 5850	Pass
			50	120	5795.020	5725 to 5850	Pass
		5210	20	102	5210.018	5150 to 5250	Pass
				120	5210.018	5150 to 5250	Pass
				138	5210.018	5150 to 5250	Pass
			-30	120	5210.018	5150 to 5250	Pass
			-20	120	5210.018	5150 to 5250	Pass
			-10	120	5210.018	5150 to 5250	Pass
			0	120	5210.018	5150 to 5250	Pass
			10	120	5210.018	5150 to 5250	Pass
			30	120	5210.018	5150 to 5250	Pass
			40	120	5210.018	5150 to 5250	Pass
			50	120	5210.018	5150 to 5250	Pass
		5775	20	102	5775.020	5725 to 5850	Pass
				120	5775.020	5725 to 5850	Pass
				138	5775.020	5725 to 5850	Pass
			-30	120	5775.020	5725 to 5850	Pass
			-20	120	5775.020	5725 to 5850	Pass
			-10	120	5775.020	5725 to 5850	Pass
			0	120	5775.020	5725 to 5850	Pass
			10	120	5775.020	5725 to 5850	Pass
			30	120	5775.020	5725 to 5850	Pass
			40	120	5775.021	5725 to 5850	Pass
			50	120	5775.020	5725 to 5850	Pass

----- End of Report -----