

Appendix – 5G WIFI

1. Duty Cycle

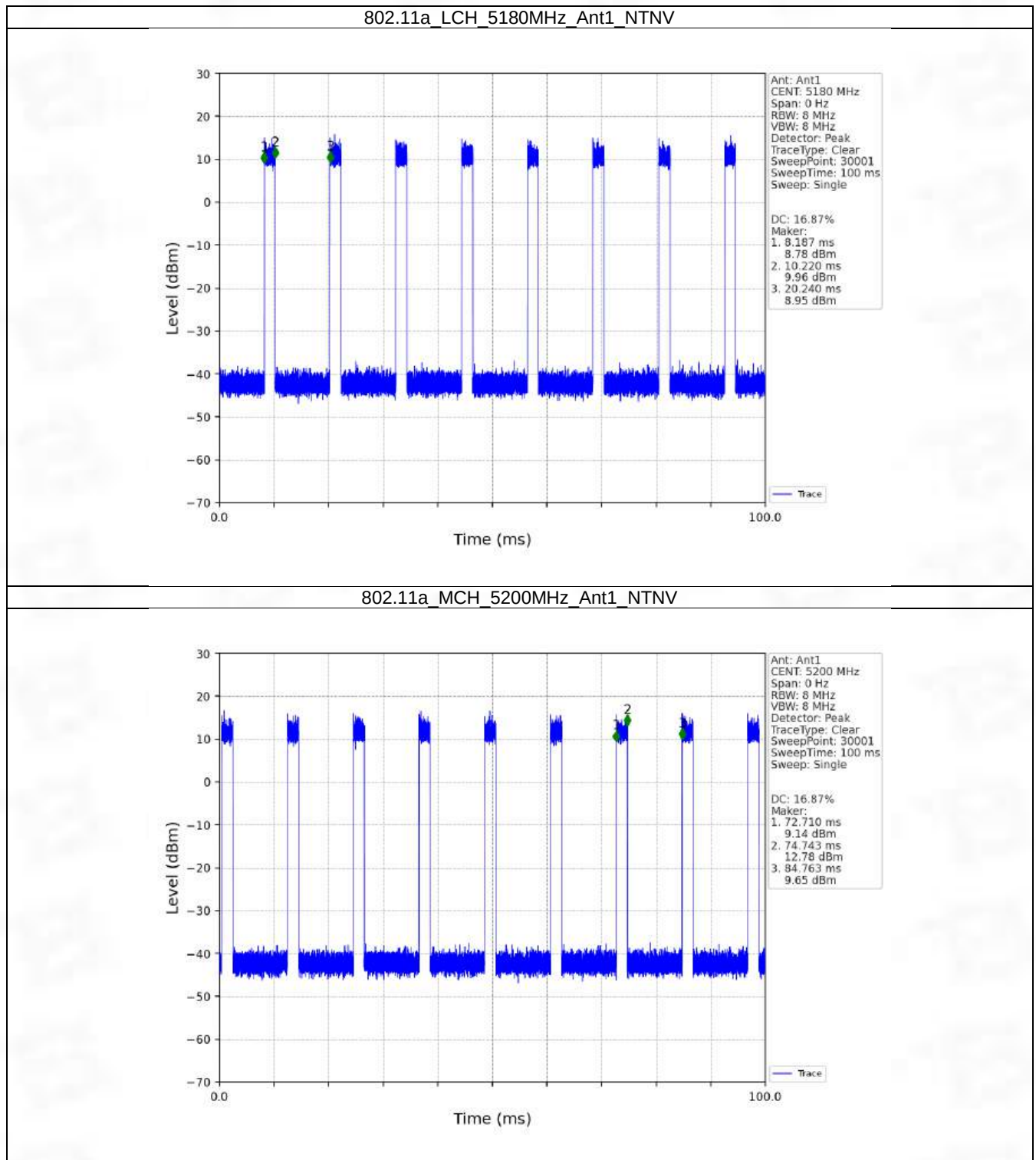
1.1 Test Result

1.1.1 Ant1

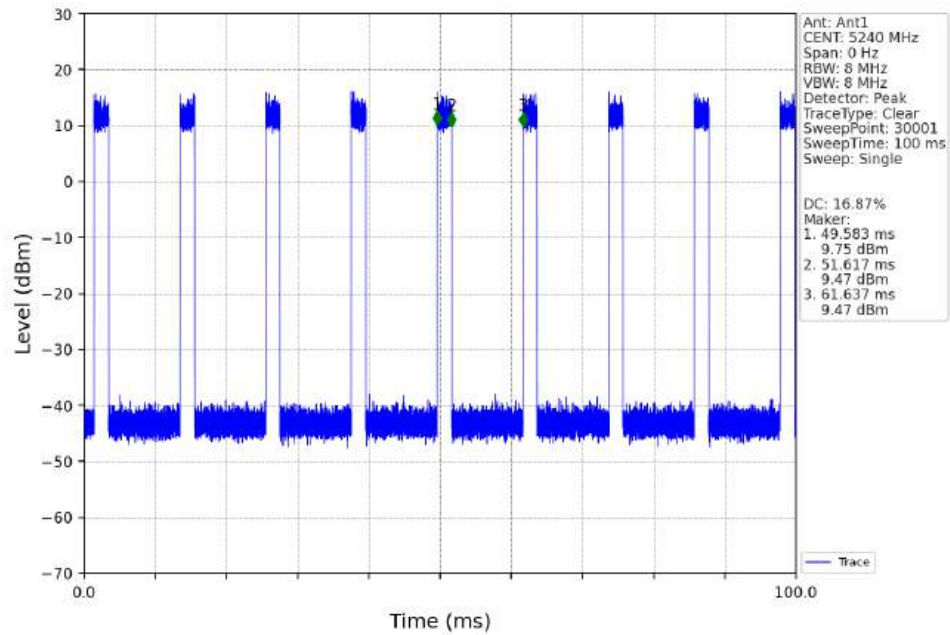
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.033	12.053	16.87	7.73	0.00
		5200	/	/	2.033	12.053	16.87	7.73	0.03
		5240	/	/	2.034	12.054	16.87	7.73	0.03
		5745	/	/	2.033	12.056	16.86	7.73	0.03
		5785	/	/	2.034	12.054	16.87	7.73	0.03
		5825	/	/	2.033	12.053	16.87	7.73	0.03
802.11n (HT20)	SISO	5180	/	/	1.893	11.913	15.89	7.99	0.00
		5200	/	/	1.893	11.917	15.88	7.99	0.03
		5240	/	/	1.893	11.916	15.89	7.99	0.03
		5745	/	/	1.893	11.917	15.88	7.99	0.03
		5785	/	/	1.893	11.913	15.89	7.99	0.00
		5825	/	/	1.893	11.917	15.88	7.99	0.01
802.11n (HT40)	SISO	5190	/	/	0.933	10.953	8.52	10.70	0.00
		5230	/	/	0.934	10.954	8.53	10.69	0.00
		5755	/	/	0.933	10.957	8.52	10.70	0.01
		5795	/	/	0.934	10.954	8.53	10.69	0.03
802.11ac (VHT20)	SISO	5180	/	/	1.900	11.920	15.94	7.98	0.03
		5200	/	/	1.900	11.920	15.94	7.98	0.03
		5240	/	/	1.900	11.923	15.94	7.98	0.03
		5745	/	/	1.900	11.917	15.94	7.97	0.03
		5785	/	/	1.900	11.924	15.93	7.98	0.04
		5825	/	/	1.900	11.920	15.94	7.98	0.03
802.11ac (VHT40)	SISO	5190	/	/	0.937	10.957	8.55	10.68	0.03
		5230	/	/	0.937	10.960	8.55	10.68	0.03
		5755	/	/	0.936	10.960	8.54	10.69	0.03
		5795	/	/	0.937	10.957	8.55	10.68	0.01
802.11ac (VHT80)	SISO	5210	/	/	0.457	10.477	4.36	13.60	0.03
		5775	/	/	0.457	10.477	4.36	13.60	0.03
802.11ax (HEW20)	SISO	5180	SU	/	1.460	11.484	12.71	8.96	0.03
		5200	SU	/	1.460	11.477	12.72	8.95	0.05
		5240	SU	/	1.460	11.477	12.72	8.95	0.03
		5745	SU	/	1.460	11.484	12.71	8.96	0.03
		5785	SU	/	1.460	11.483	12.71	8.96	0.03
		5825	SU	/	1.460	11.480	12.72	8.96	0.03
802.11ax (HEW40)	SISO	5190	SU	/	0.760	10.780	7.05	11.52	0.03
		5230	SU	/	0.764	10.784	7.08	11.50	0.00
		5755	SU	/	0.764	10.840	7.05	11.52	0.04
		5795	SU	/	0.763	10.787	7.07	11.50	0.00
802.11ax (HEW80)	SISO	5210	SU	/	0.394	10.410	3.78	14.22	0.03
		5775	SU	/	0.393	10.413	3.77	14.23	0.03

1.2 Test Graph

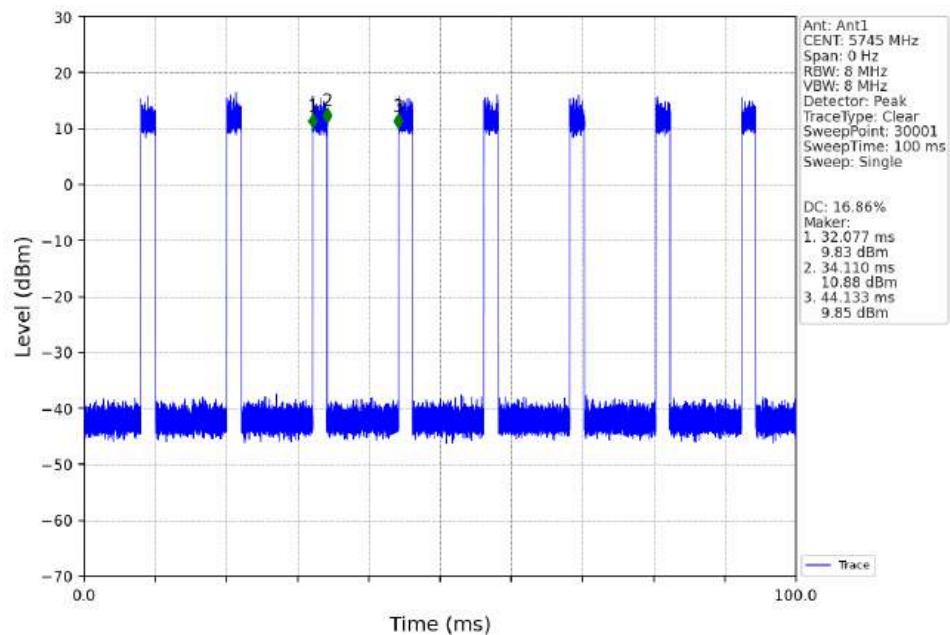
1.2.1 Ant1



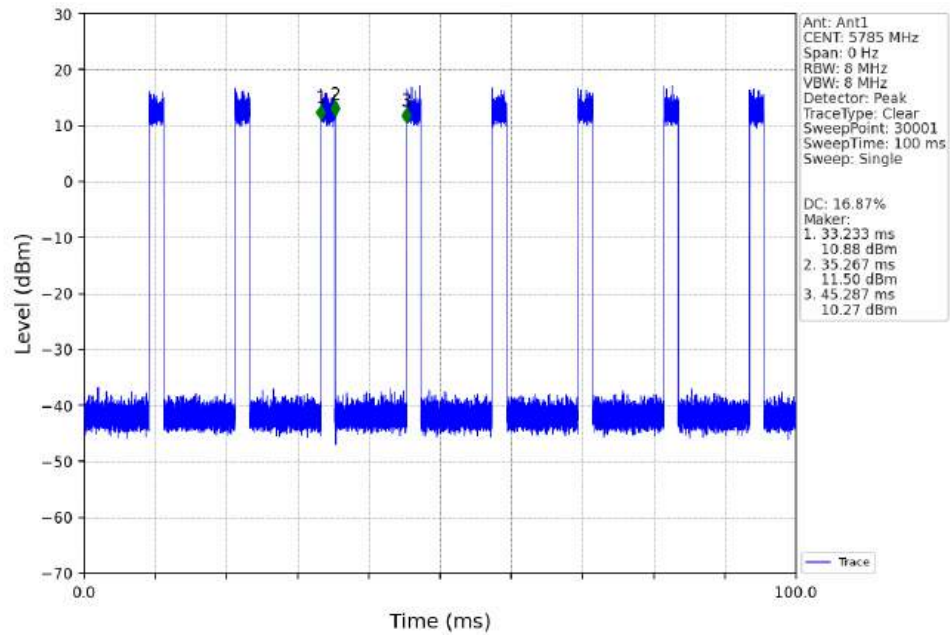
802.11a_HCH_5240MHz_Ant1_NTNV



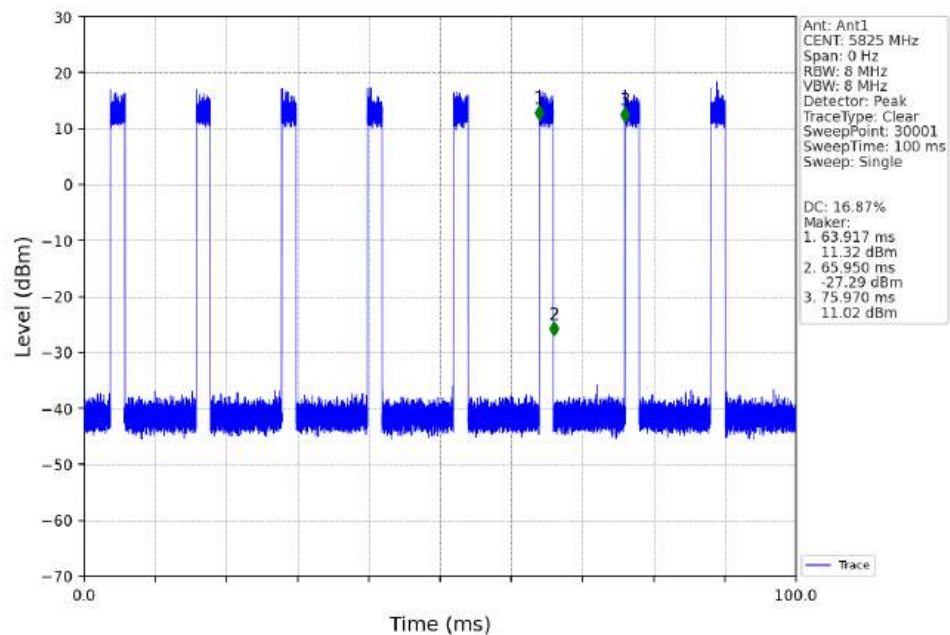
802.11a_LCH_5745MHz_Ant1_NTNV



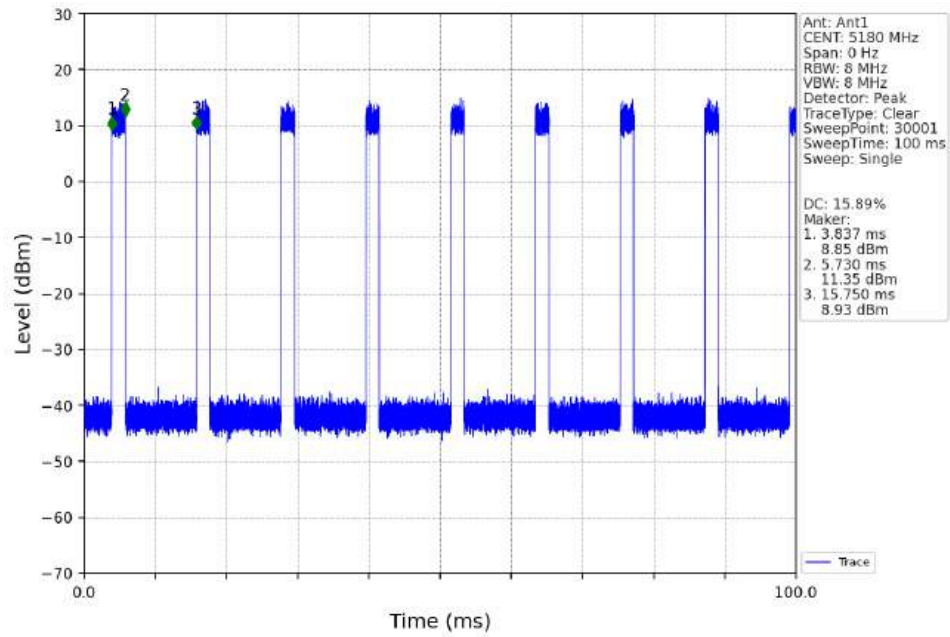
802.11a_MCH_5785MHz_Ant1_NTNV



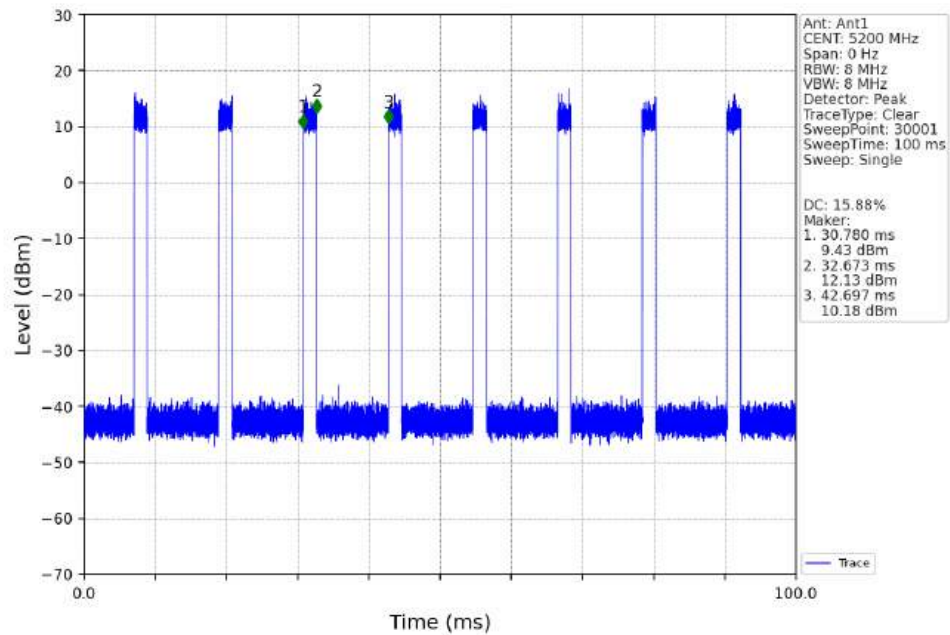
802.11a_HCH_5825MHz_Ant1_NTNV



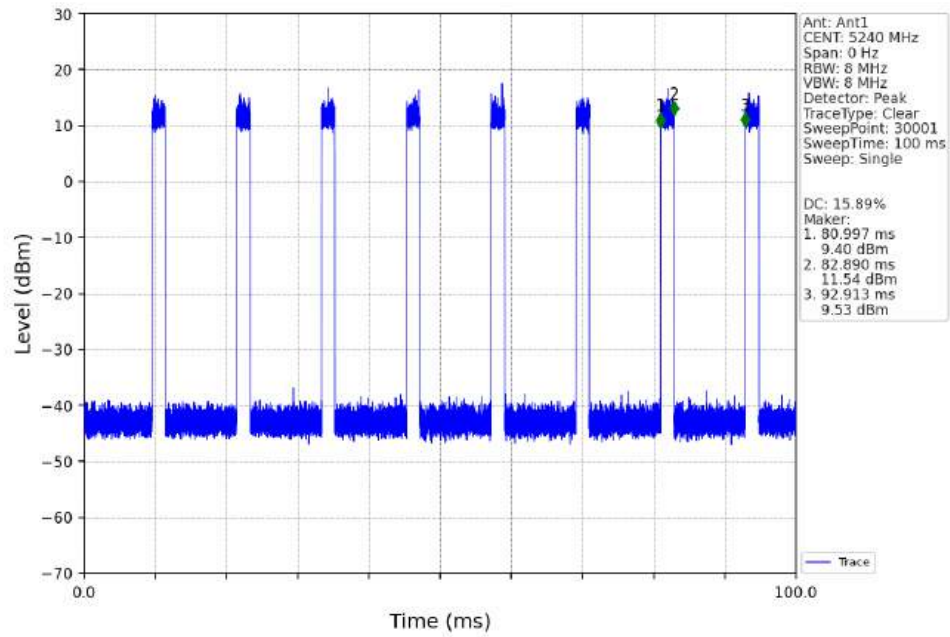
802.11n(HT20) LCH 5180MHz_Ant1_NTNV



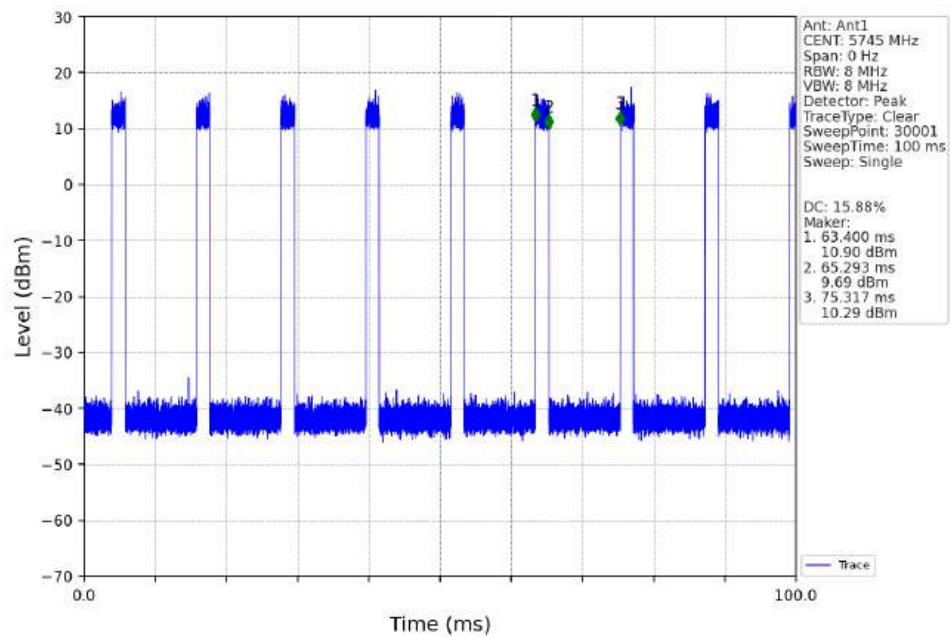
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



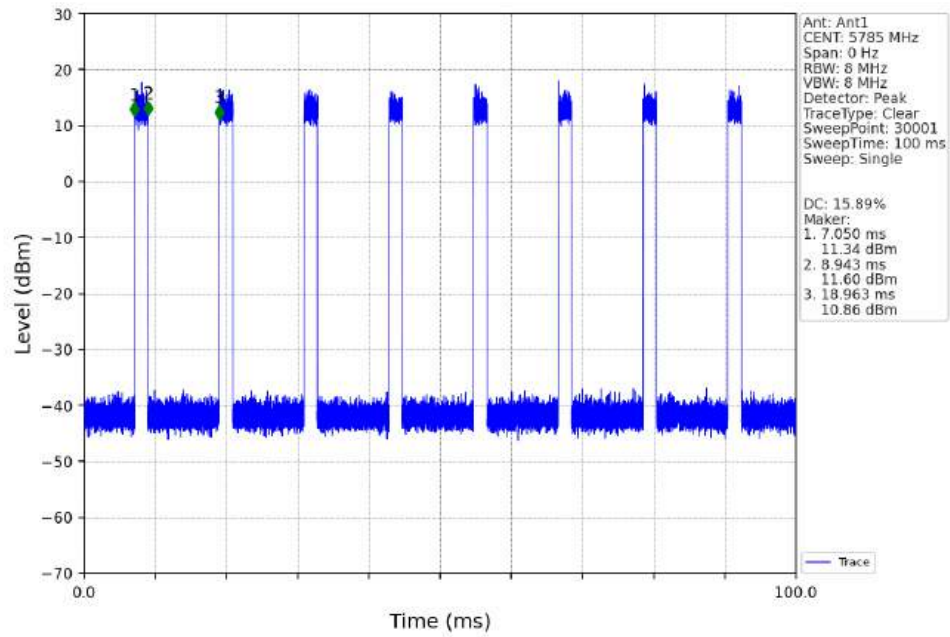
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



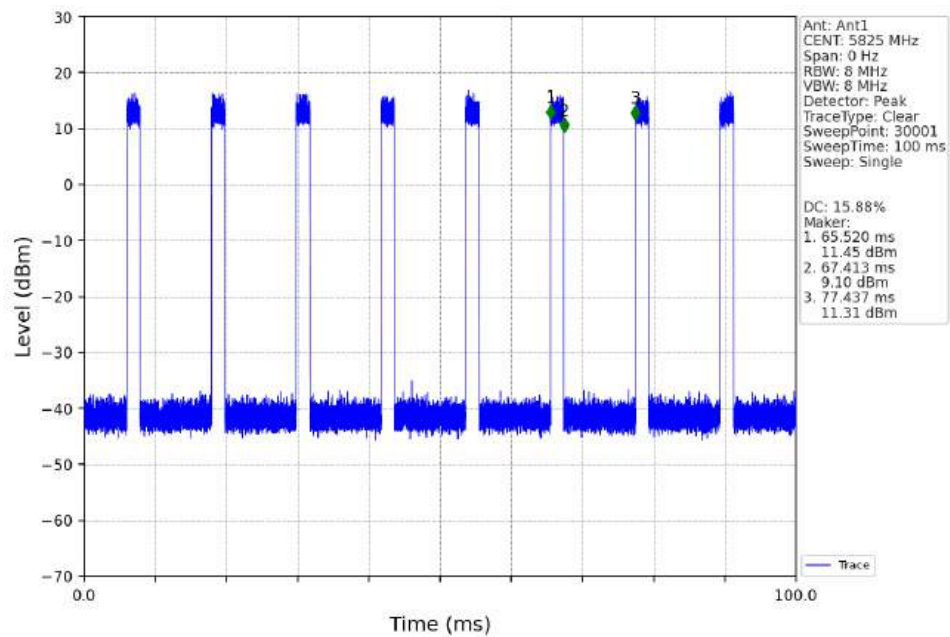
802.11n(HT20) LCH 5745MHz_Ant1_NTNV



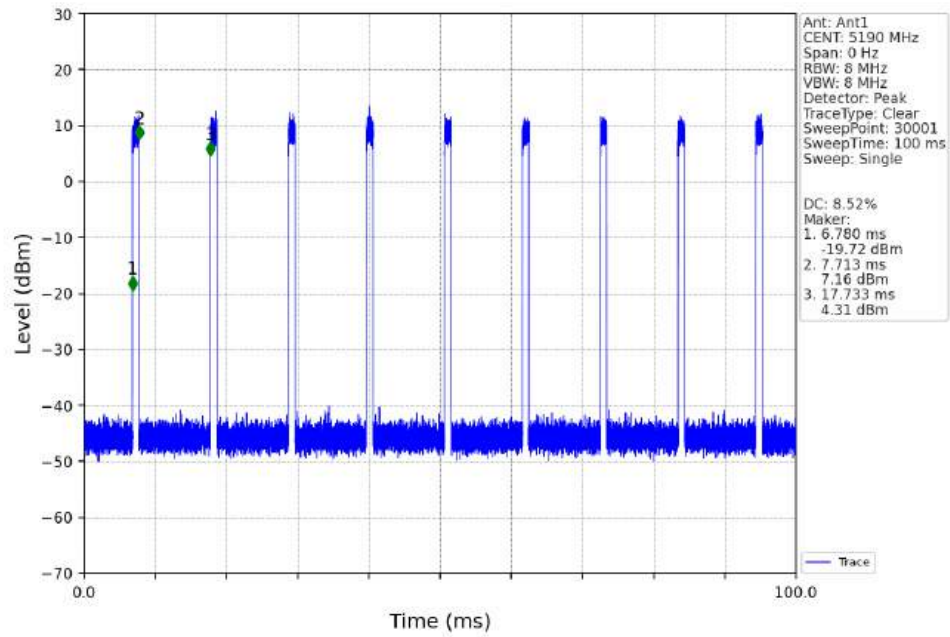
802.11n(HT20) MCH 5785MHz_Ant1_NTNV



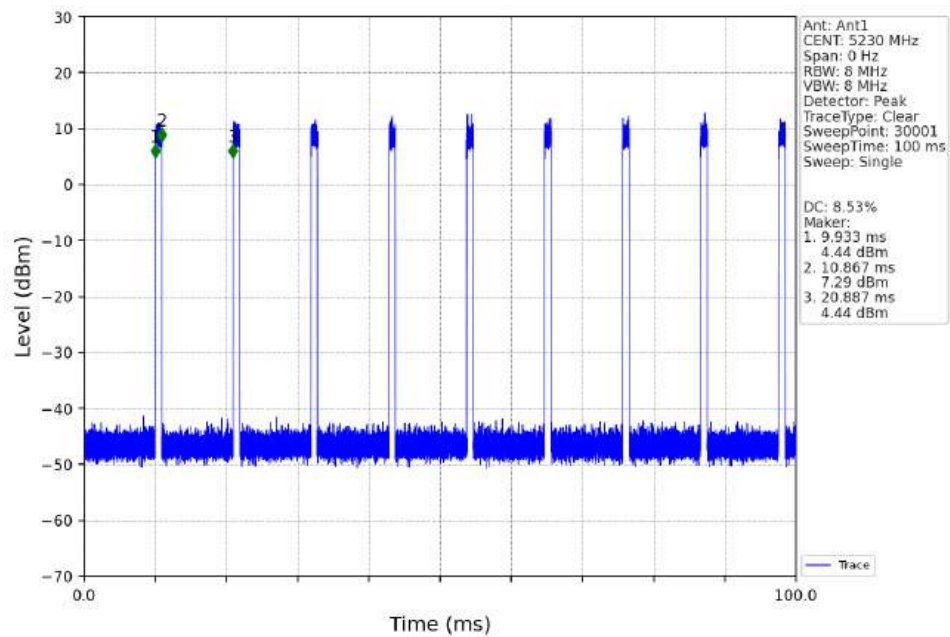
802.11n(HT20) HCH 5825MHz_Ant1_NTNV



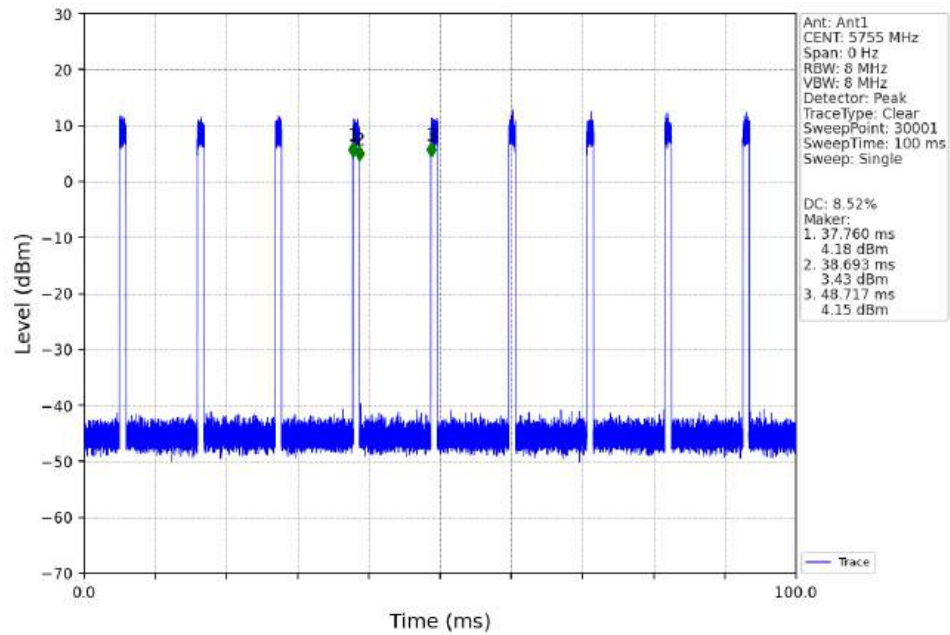
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



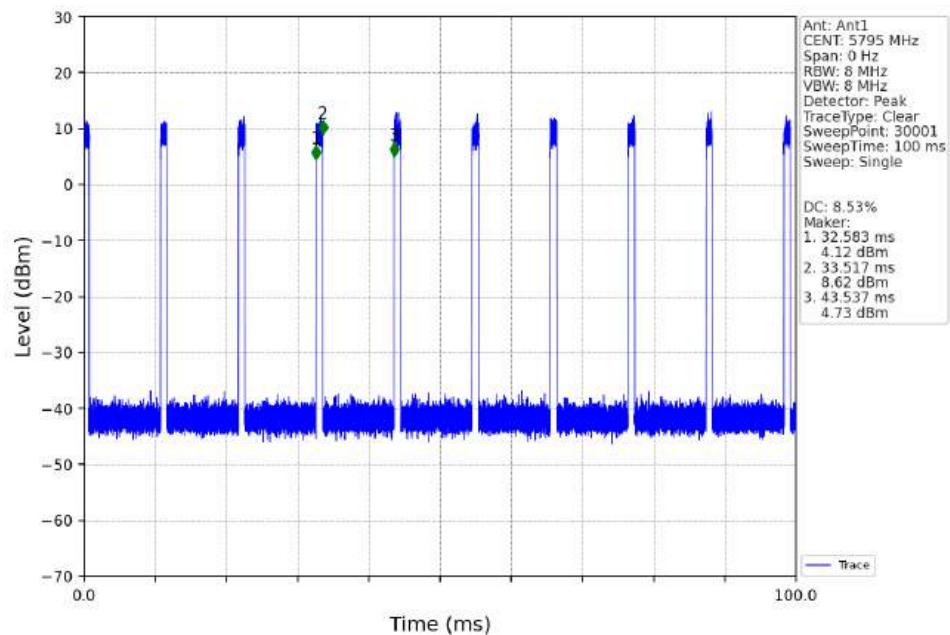
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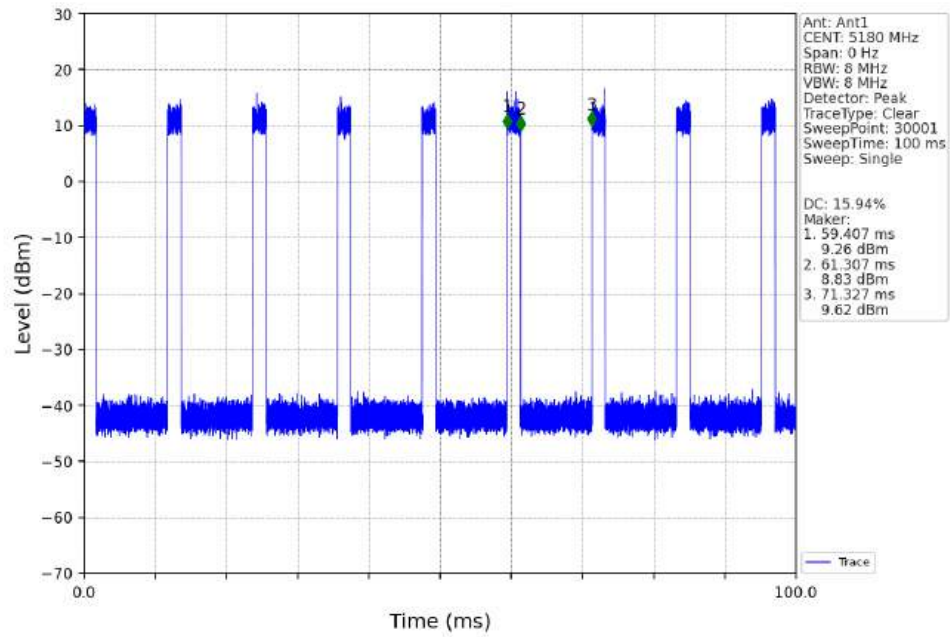
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



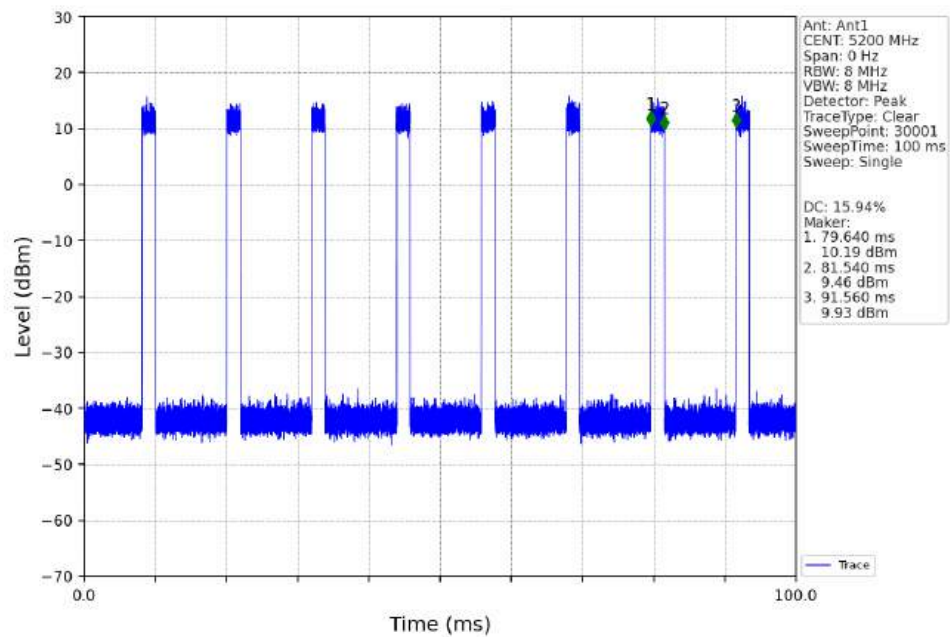
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



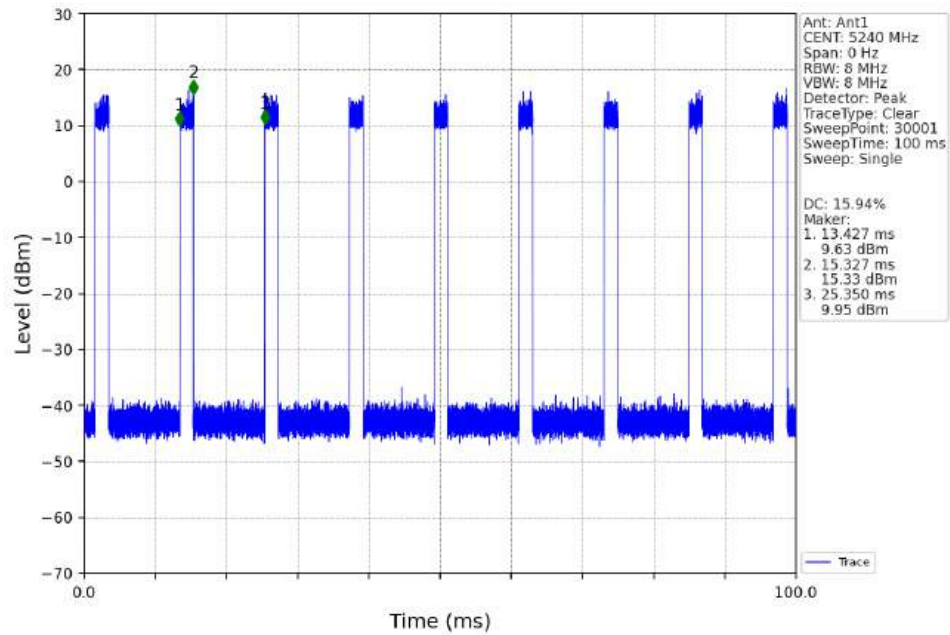
802.11ac(VHT20) LCH 5180MHz_Ant1_NTNV



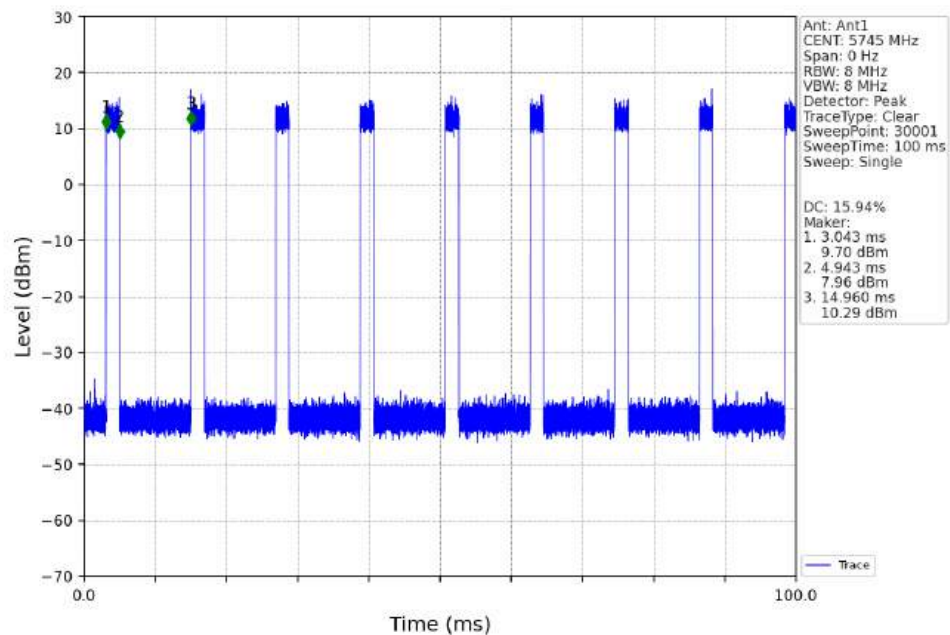
802.11ac(VHT20) MCH 5200MHz_Ant1_NTNV



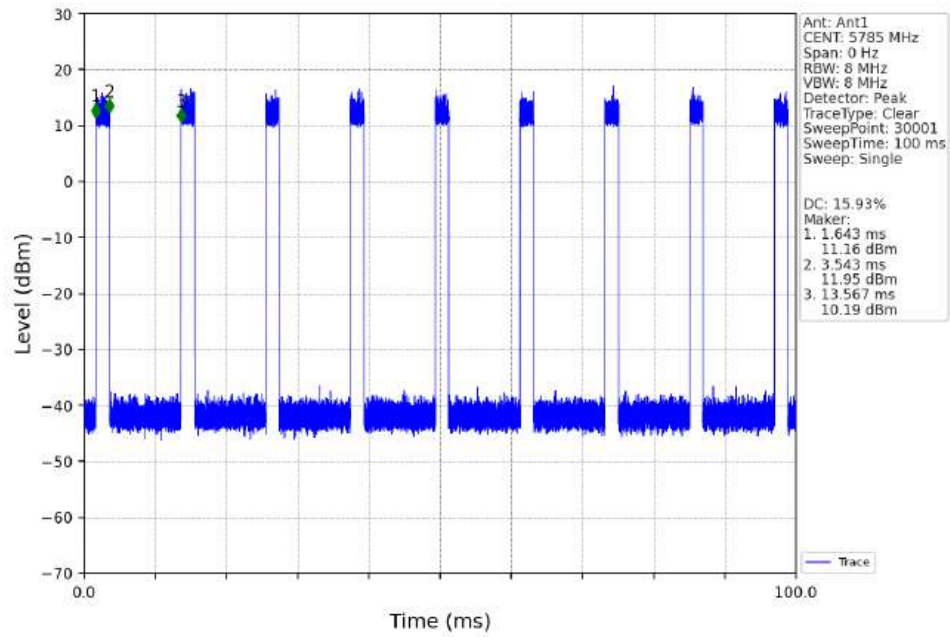
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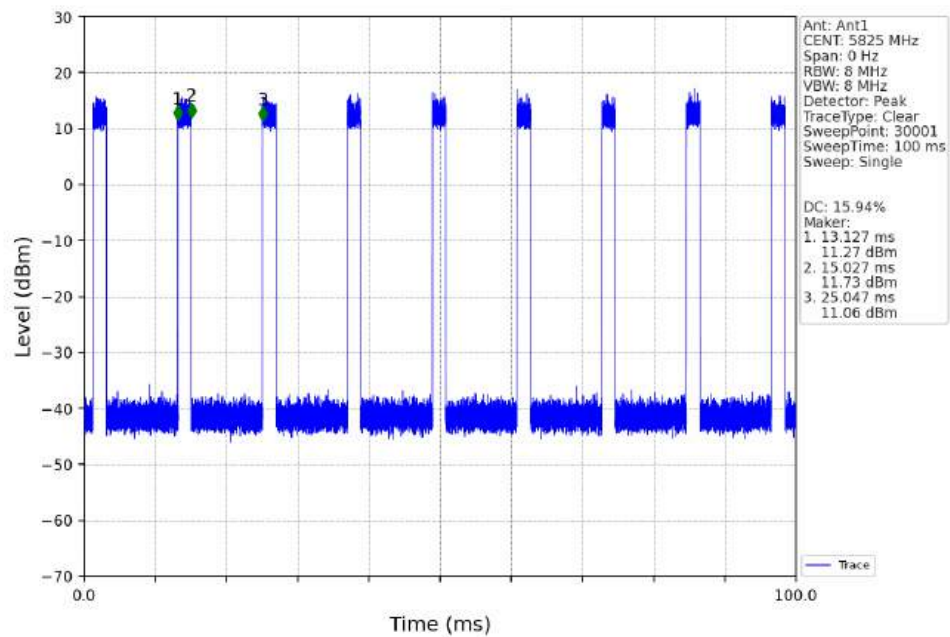
802.11ac(VHT20) LCH 5745MHz_Ant1_NTNV



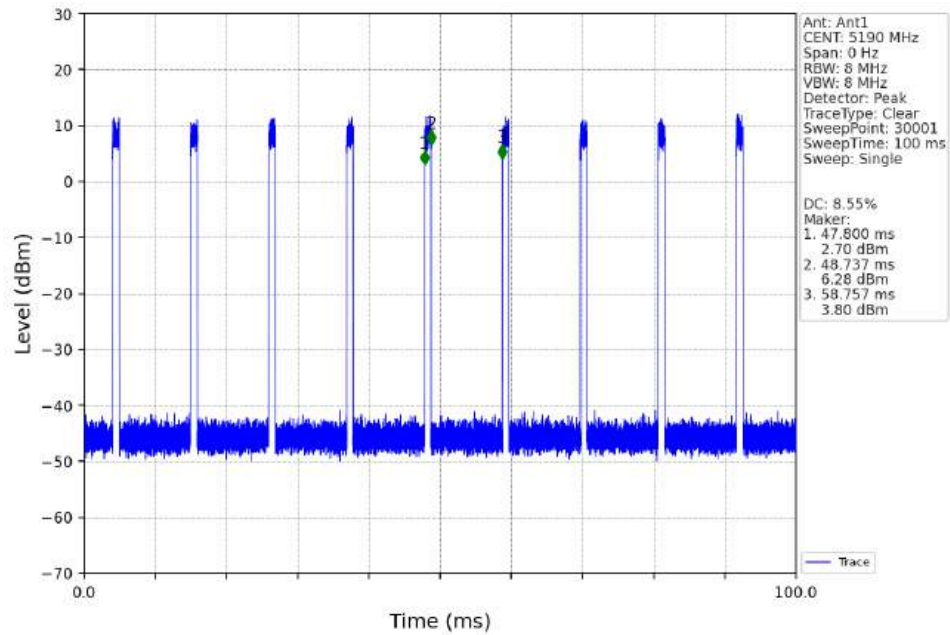
802.11ac(VHT20) MCH 5785MHz_Ant1_NTNV



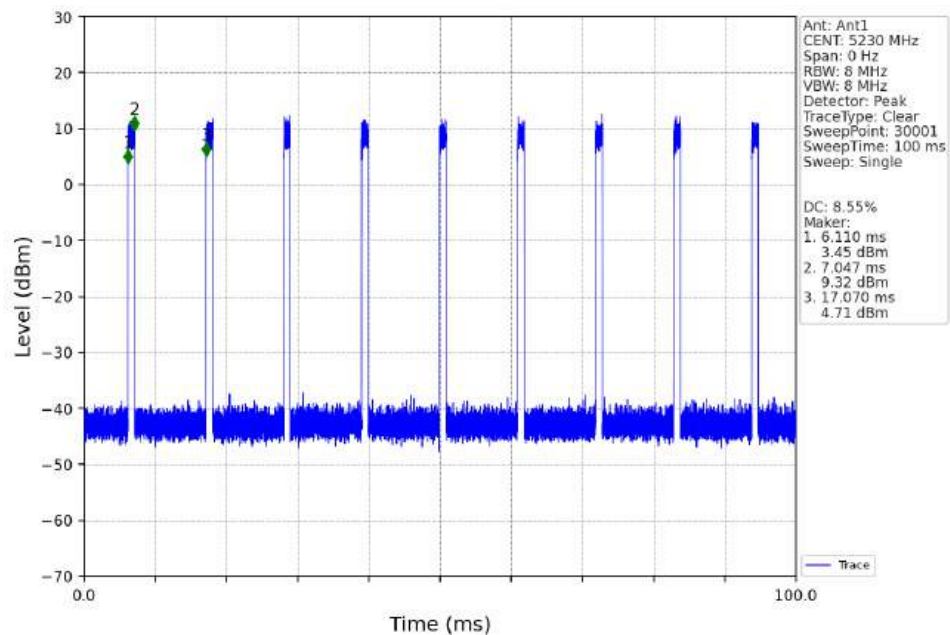
802.11ac(VHT20) HCH 5825MHz_Ant1_NTNV



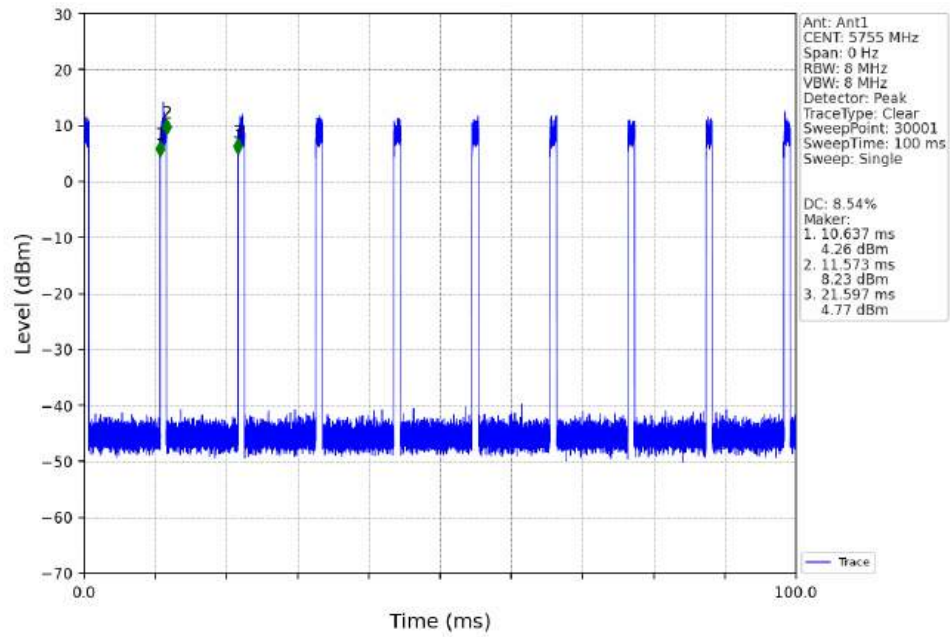
802.11ac(VHT40) LCH 5190MHz_Ant1_NTNV



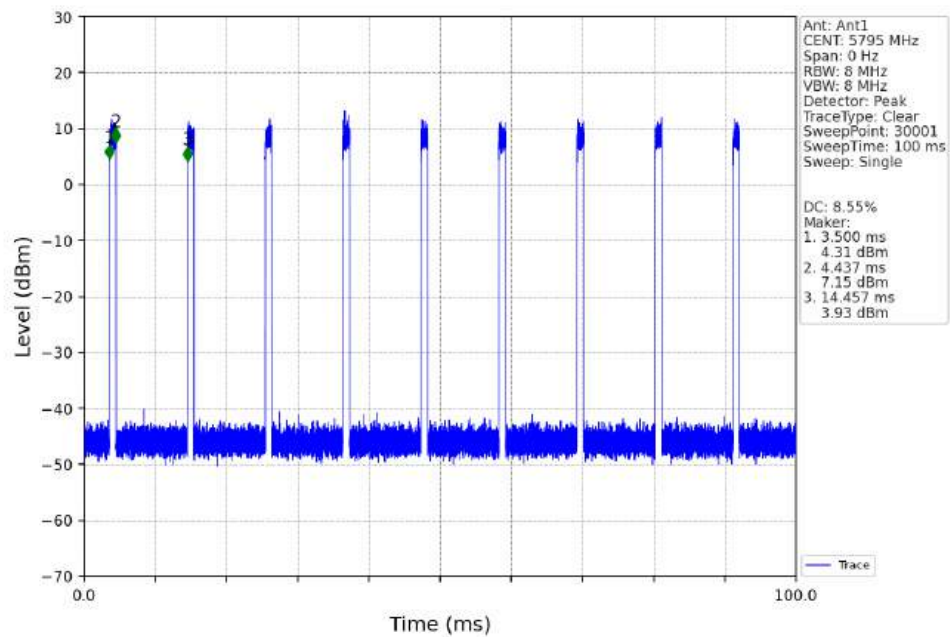
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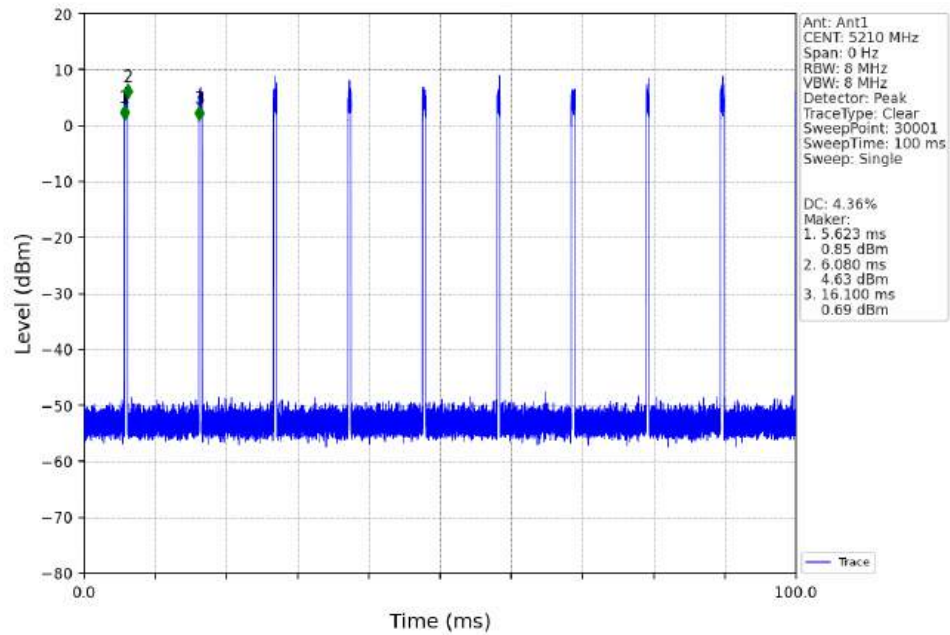
802.11ac(VHT40) LCH 5755MHz_Ant1_NTNV



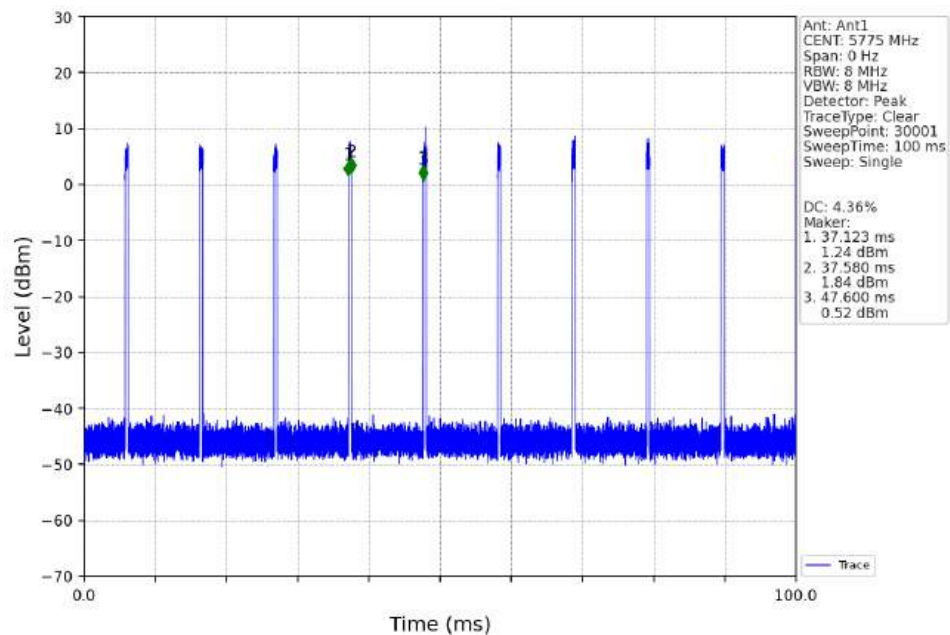
802.11ac(VHT40) HCH 5795MHz_Ant1_NTNV



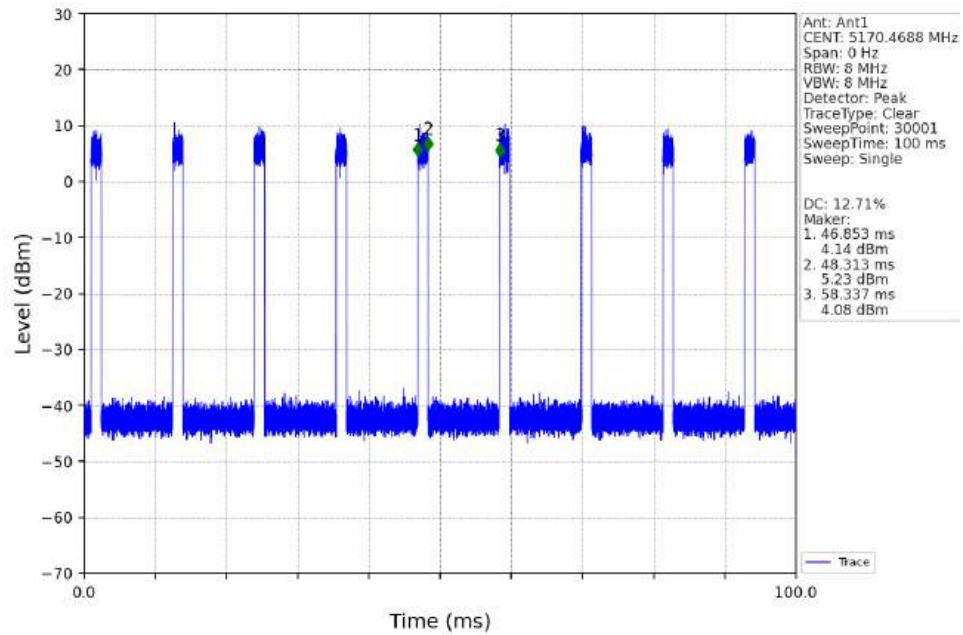
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



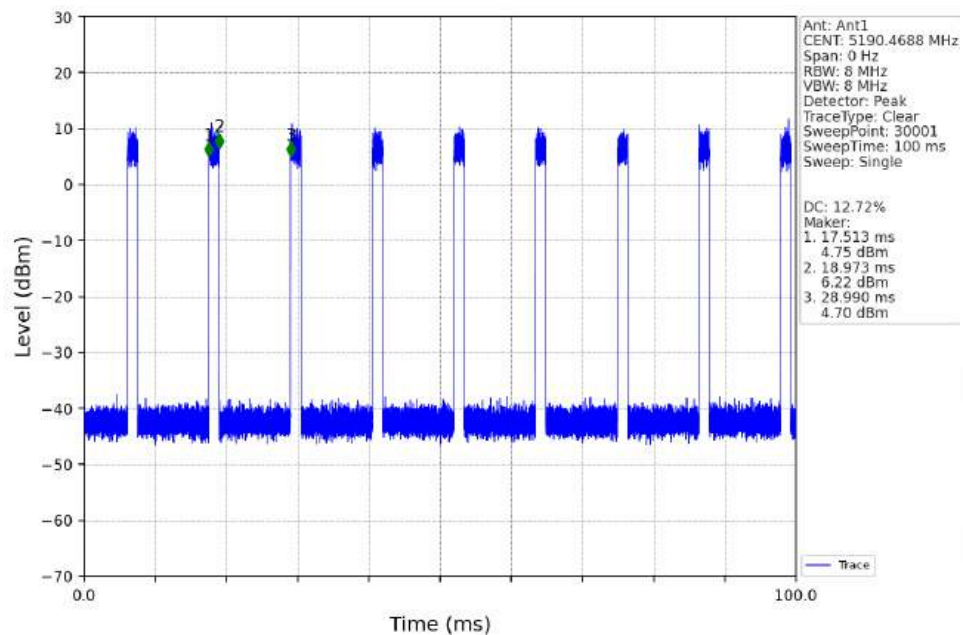
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



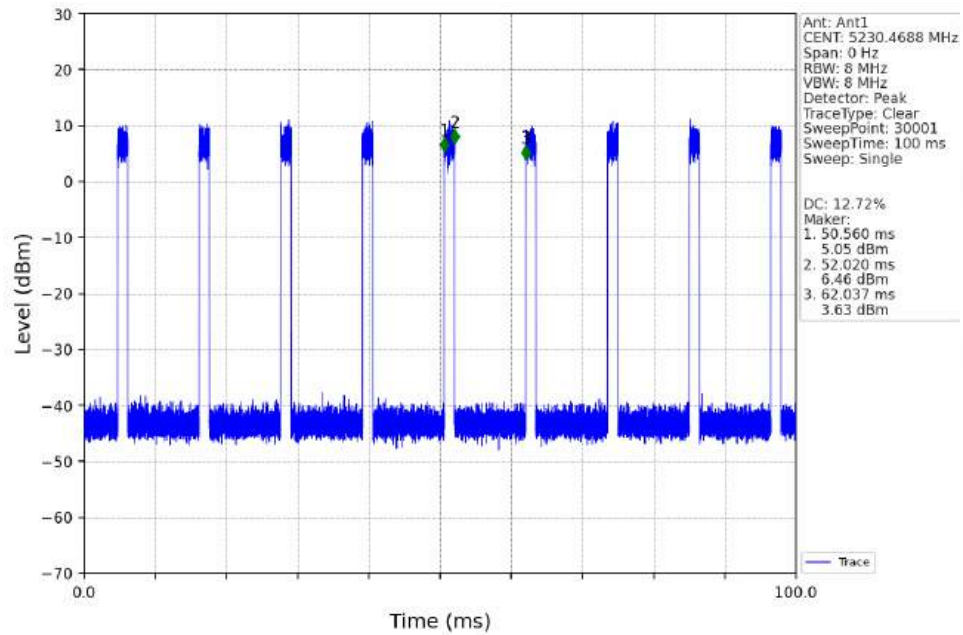
802.11ax(HEW20) LCH_5180MHz_SU / Ant1_NTNV



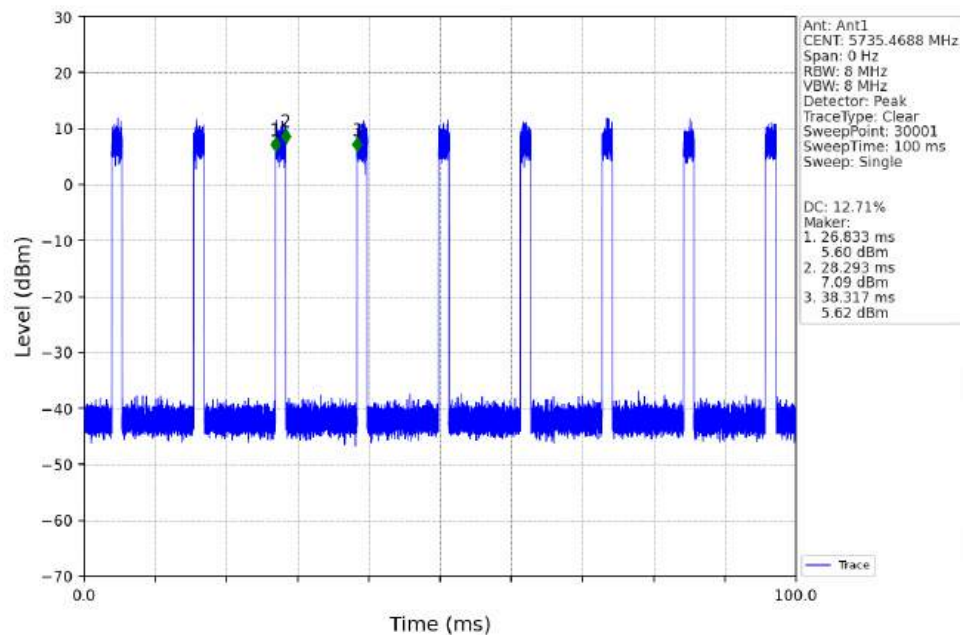
802.11ax(HEW20) MCH_5200MHz_SU / Ant1_NTNV



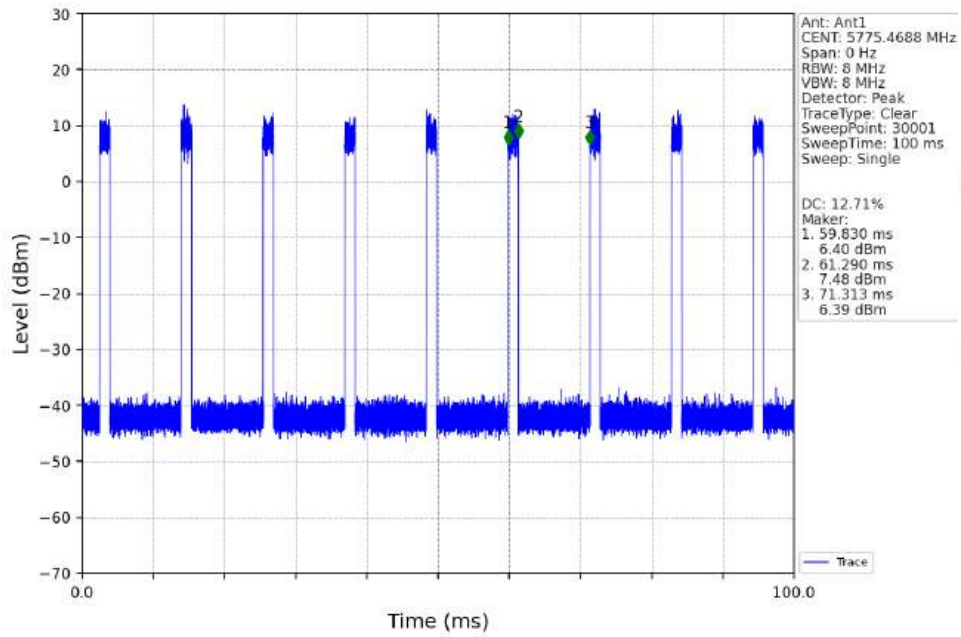
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTN



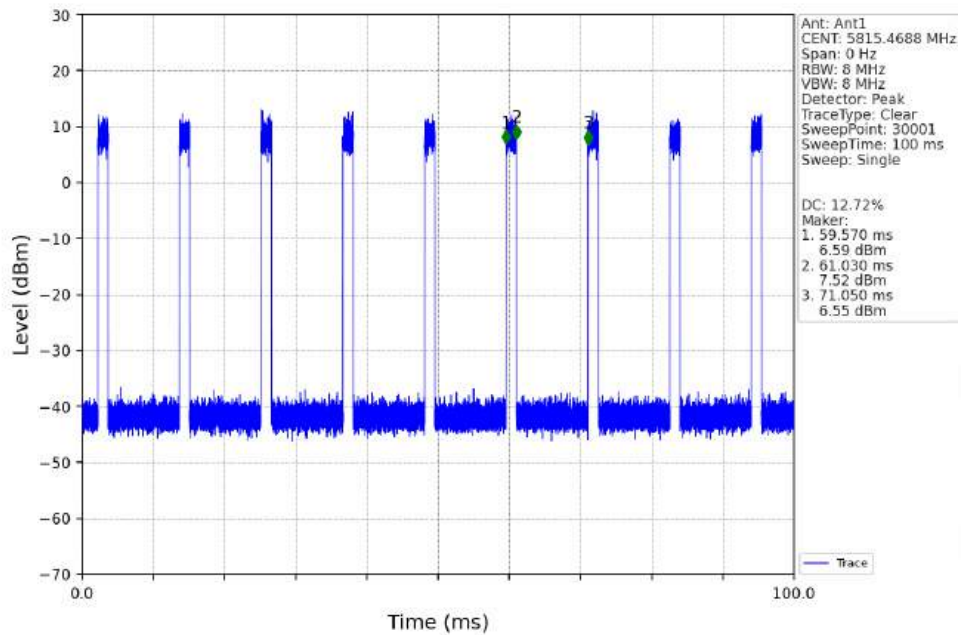
802.11ax(HEW20) LCH 5745MHz SU / Ant1 NTN



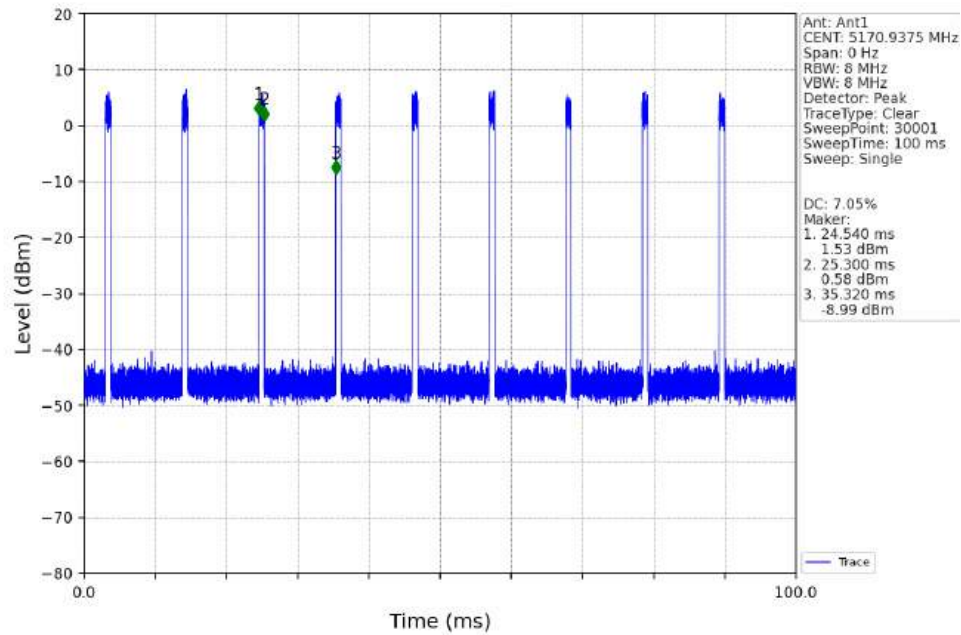
802.11ax(HEW20)_MCH_5785MHz_SU_ / Ant1_NTNV



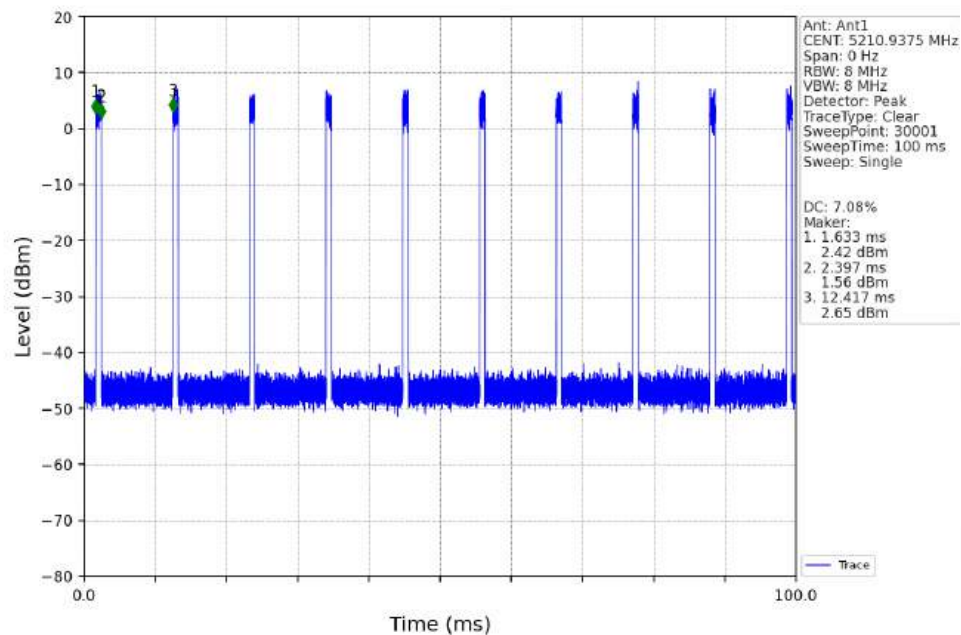
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant1_NTNV



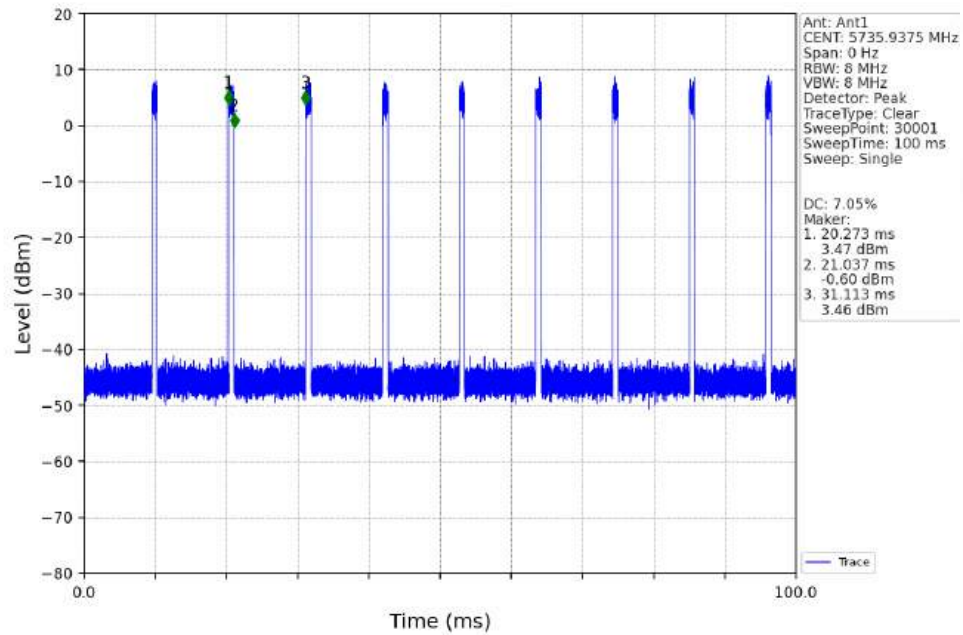
802.11ax(HEW40) LCH 5190MHz SU / Ant1 NTN



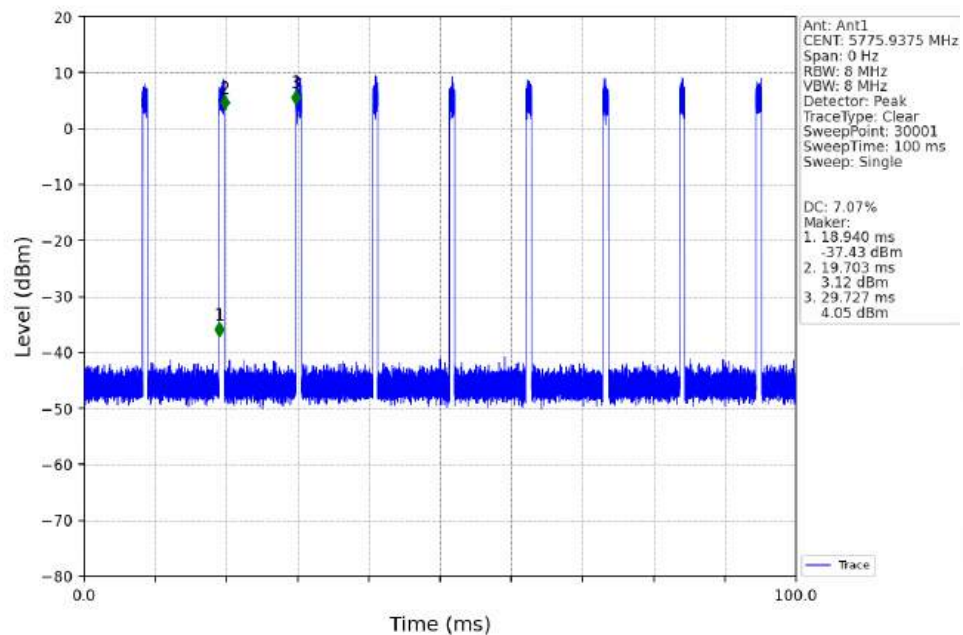
802.11ax(HEW40) HCH 5230MHz SU / Ant1 NTN



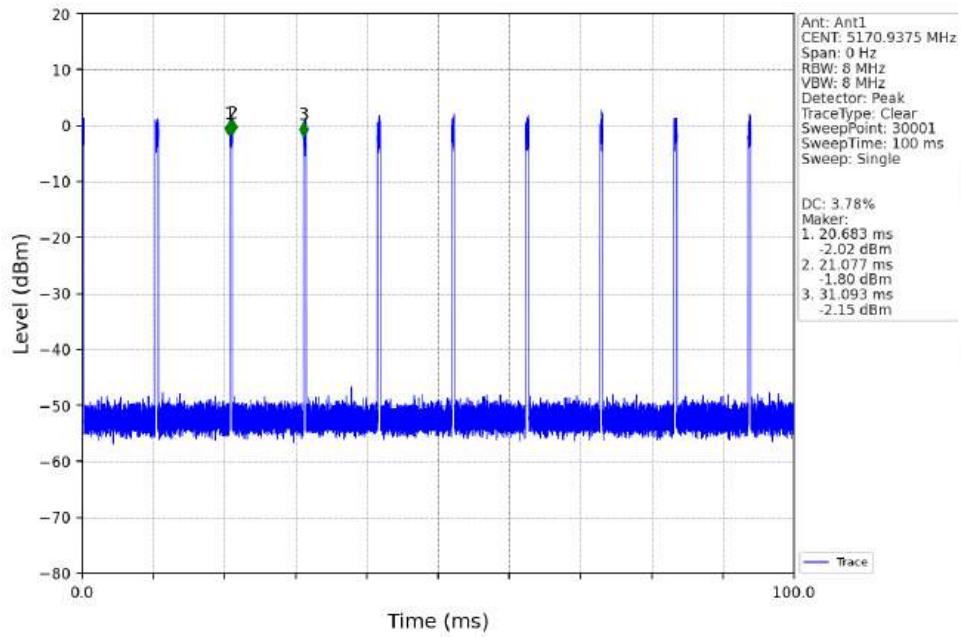
802.11ax(HEW40) LCH 5755MHz SU / Ant1 NTN



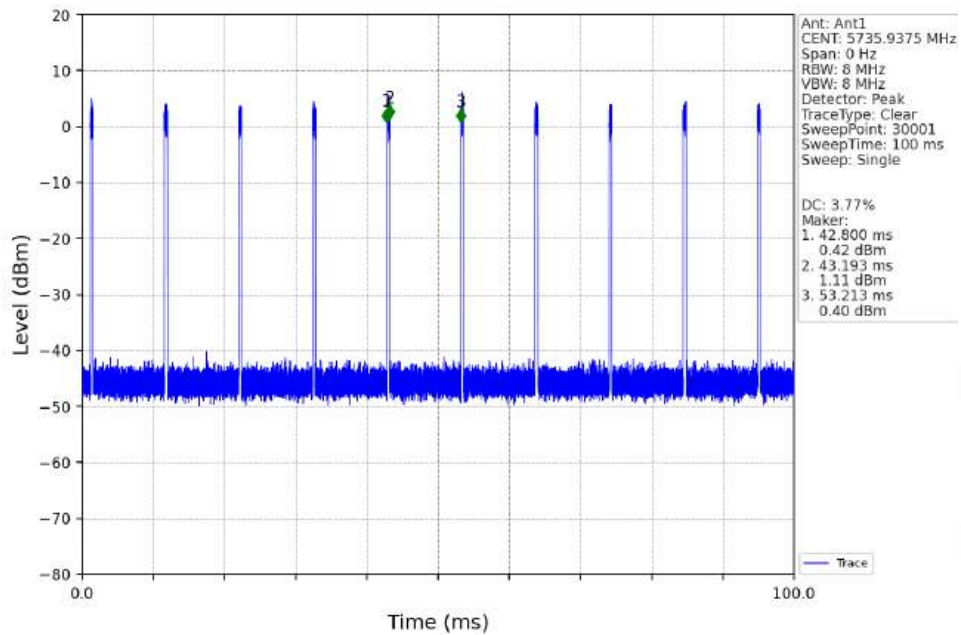
802.11ax(HEW40) HCH 5795MHz SU / Ant1 NTN



802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_SU / Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	17.632	/	Pass
		5200	/	/	1	17.649	/	Pass
		5240	/	/	1	17.592	/	Pass
		5745	/	/	1	18.030	/	Pass
		5785	/	/	1	18.063	/	Pass
		5825	/	/	1	17.850	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	18.912	/	Pass
		5200	/	/	1	18.640	/	Pass
		5240	/	/	1	18.728	/	Pass
		5745	/	/	1	18.978	/	Pass
		5785	/	/	1	19.030	/	Pass
		5825	/	/	1	18.766	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	36.816	/	Pass
		5230	/	/	1	37.030	/	Pass
		5755	/	/	1	37.547	/	Pass
		5795	/	/	1	37.214	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	18.714	/	Pass
		5200	/	/	1	18.726	/	Pass
		5240	/	/	1	18.400	/	Pass
		5745	/	/	1	18.755	/	Pass
		5785	/	/	1	19.112	/	Pass
		5825	/	/	1	19.010	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.937	/	Pass
		5230	/	/	1	36.837	/	Pass
		5755	/	/	1	37.104	/	Pass
		5795	/	/	1	37.327	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	75.868	/	Pass
		5775	/	/	1	76.920	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.271	/	Pass
		5200	SU	/	1	19.302	/	Pass
		5240	SU	/	1	19.196	/	Pass
		5745	SU	/	1	19.404	/	Pass
		5785	SU	/	1	19.429	/	Pass
		5825	SU	/	1	19.408	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	38.191	/	Pass
		5230	SU	/	1	38.140	/	Pass
		5755	SU	/	1	38.326	/	Pass
		5795	SU	/	1	38.588	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	77.597	/	Pass
		5775	SU	/	1	77.997	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	26.594	/	Pass
		5200	/	/	1	23.653	/	Pass

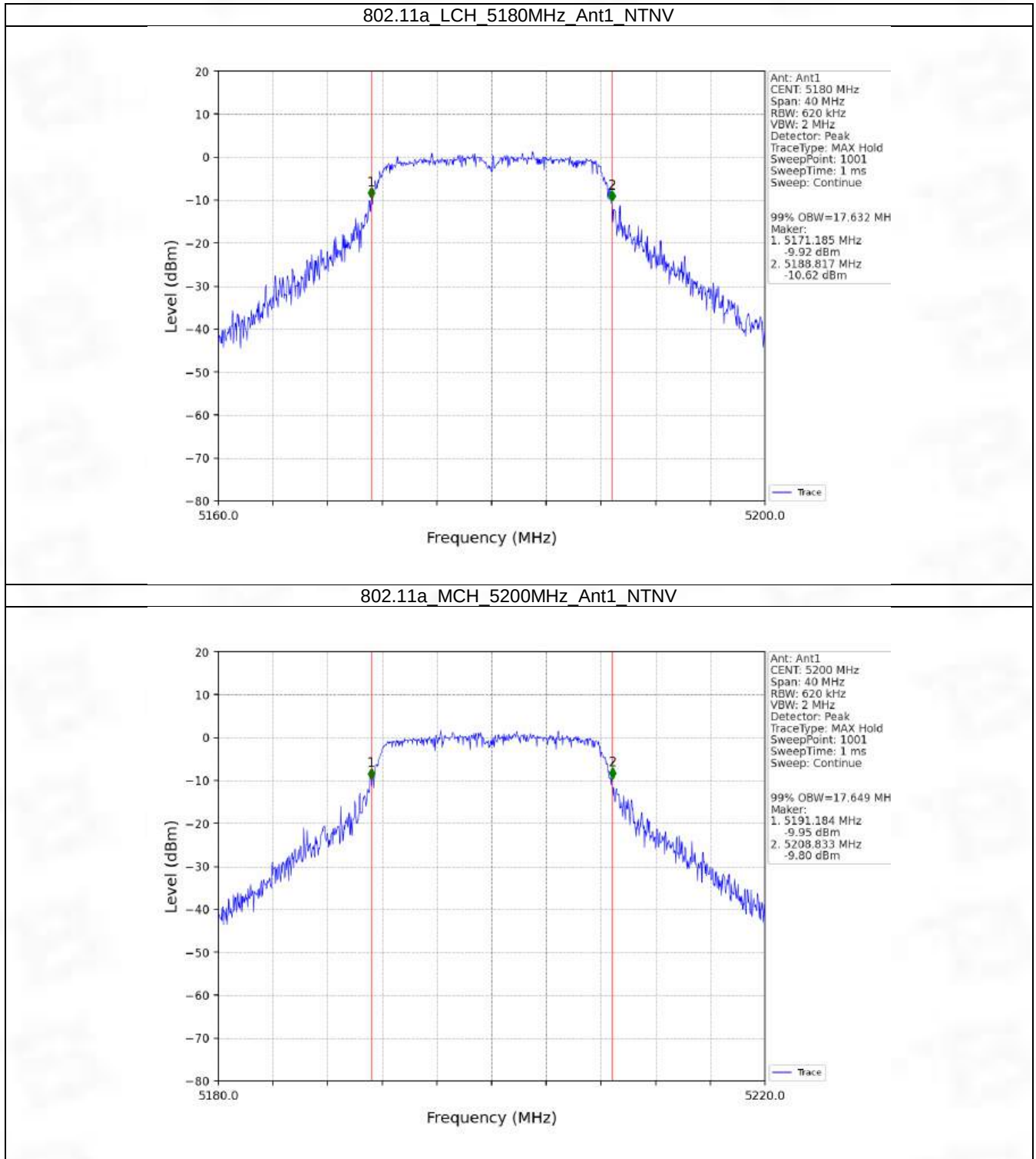
802.11n (HT20)	SISO	5240	/	/	1	26.635	/	Pass
		5180	/	/	1	28.304	/	Pass
		5200	/	/	1	26.011	/	Pass
		5240	/	/	1	26.253	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	46.320	/	Pass
		5230	/	/	1	46.442	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	27.380	/	Pass
		5200	/	/	1	26.585	/	Pass
		5240	/	/	1	25.057	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	45.302	/	Pass
		5230	/	/	1	45.772	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	85.158	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	30.417	/	Pass
		5200	SU	/	1	25.319	/	Pass
		5240	SU	/	1	24.730	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	45.253	/	Pass
		5230	SU	/	1	43.040	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	86.555	/	Pass

2.1.3 6dB BW

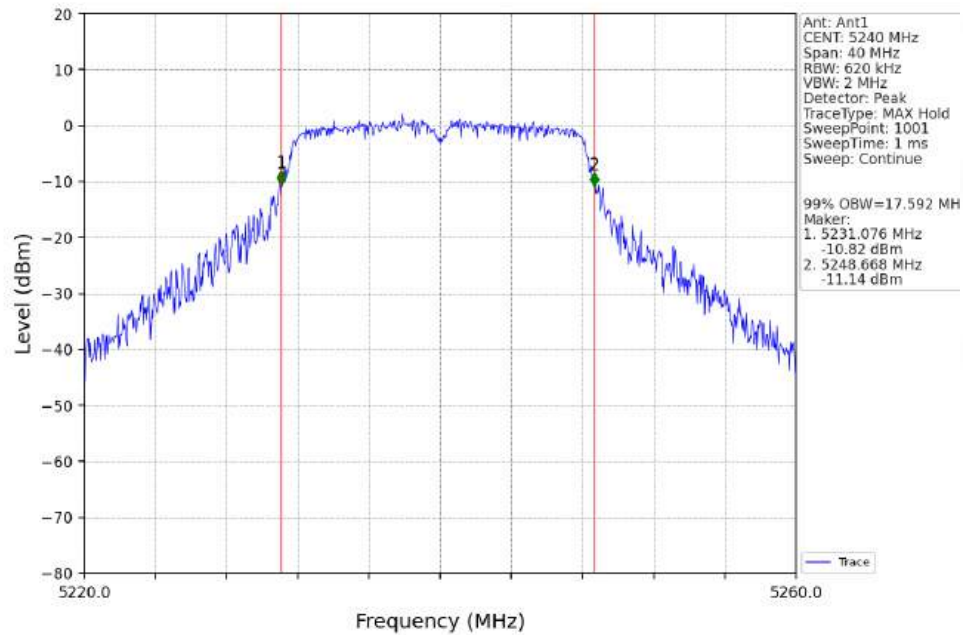
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.616	≥ 0.5	Pass
		5785	/	/	1	16.384	≥ 0.5	Pass
		5825	/	/	1	16.607	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.612	≥ 0.5	Pass
		5785	/	/	1	17.830	≥ 0.5	Pass
		5825	/	/	1	17.625	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.127	≥ 0.5	Pass
		5795	/	/	1	36.339	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.617	≥ 0.5	Pass
		5785	/	/	1	17.791	≥ 0.5	Pass
		5825	/	/	1	17.765	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.376	≥ 0.5	Pass
		5795	/	/	1	36.408	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	76.079	≥ 0.5	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	19.116	≥ 0.5	Pass
		5785	SU	/	1	18.533	≥ 0.5	Pass
		5825	SU	/	1	19.184	≥ 0.5	Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	37.214	≥ 0.5	Pass
		5795	SU	/	1	37.970	≥ 0.5	Pass
802.11ax (HEW80)	SISO	5775	SU	/	1	73.458	≥ 0.5	Pass

2.2 Test Graph

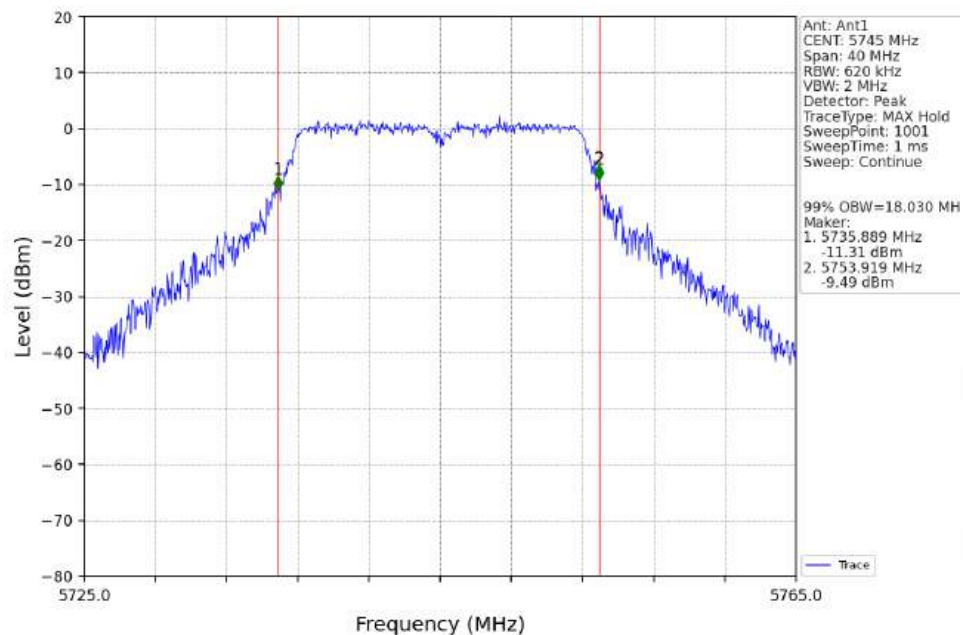
2.2.1 OBW



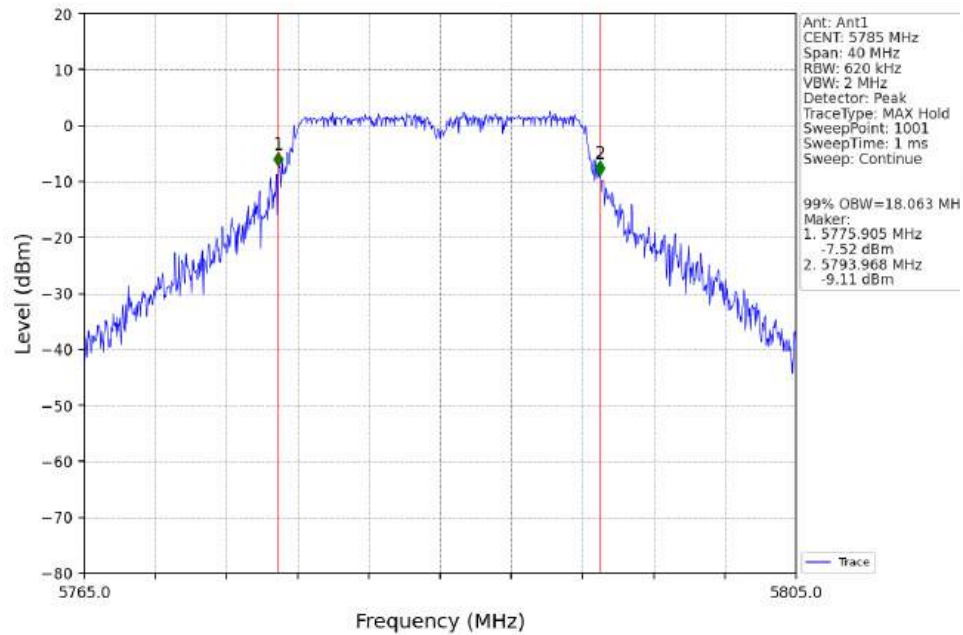
802.11a_HCH_5240MHz_Ant1_NTNV



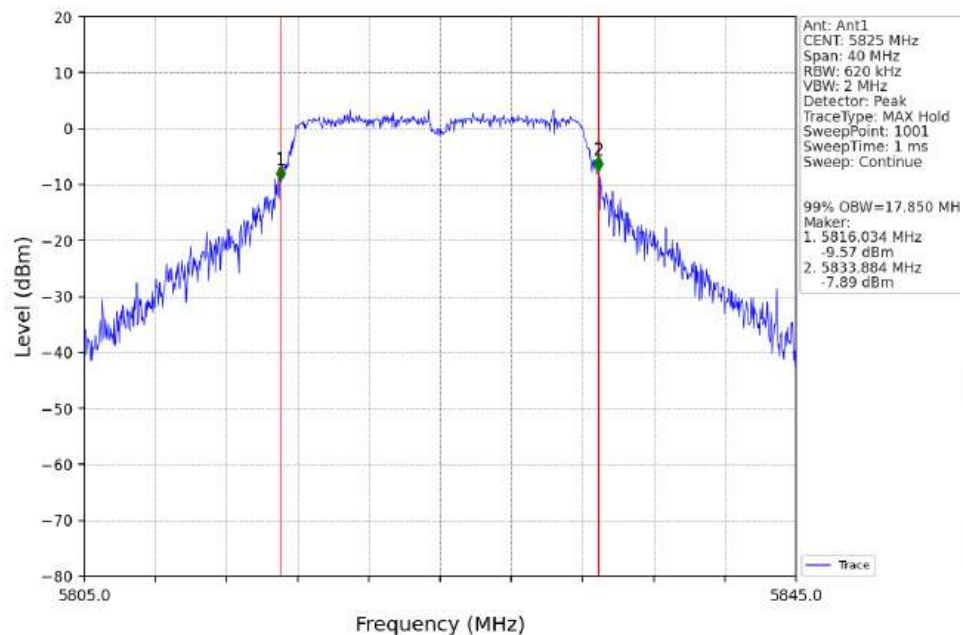
802.11a_LCH_5745MHz_Ant1_NTNV



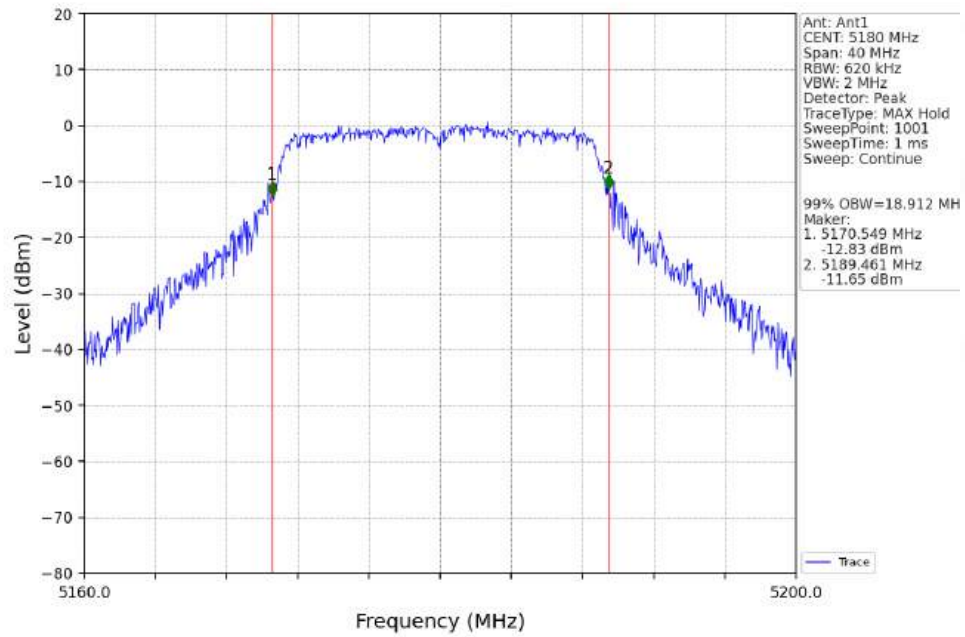
802.11a_MCH_5785MHz_Ant1_NTNV



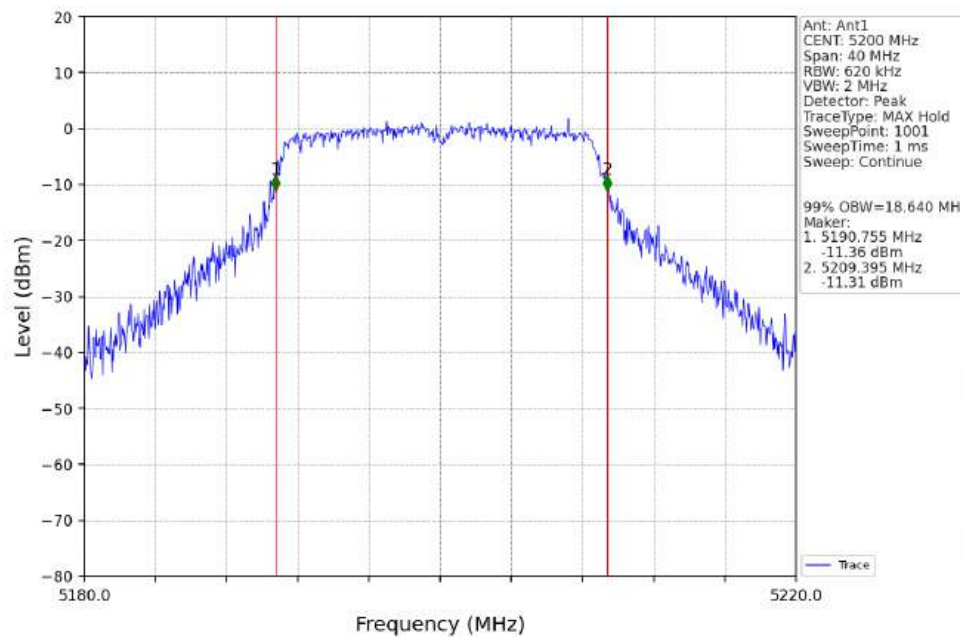
802.11a_HCH_5825MHz_Ant1_NTNV



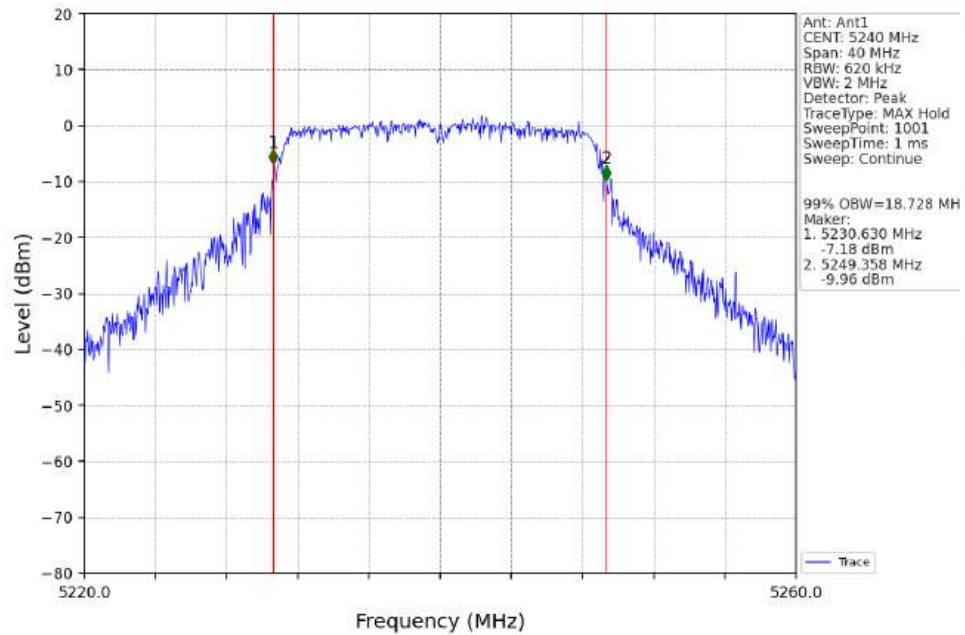
802.11n(HT20) LCH 5180MHz_Ant1_NTNV



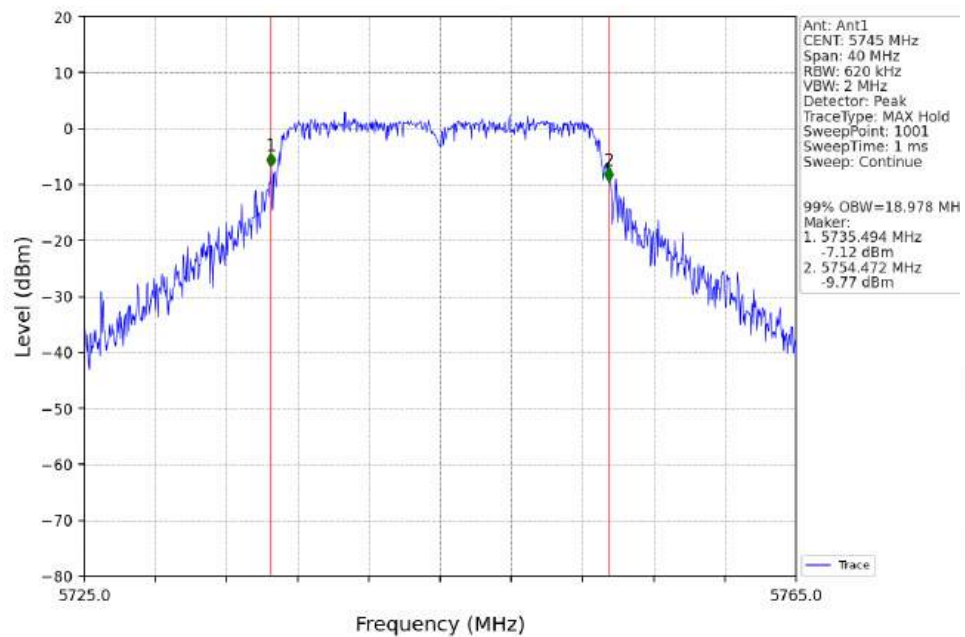
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



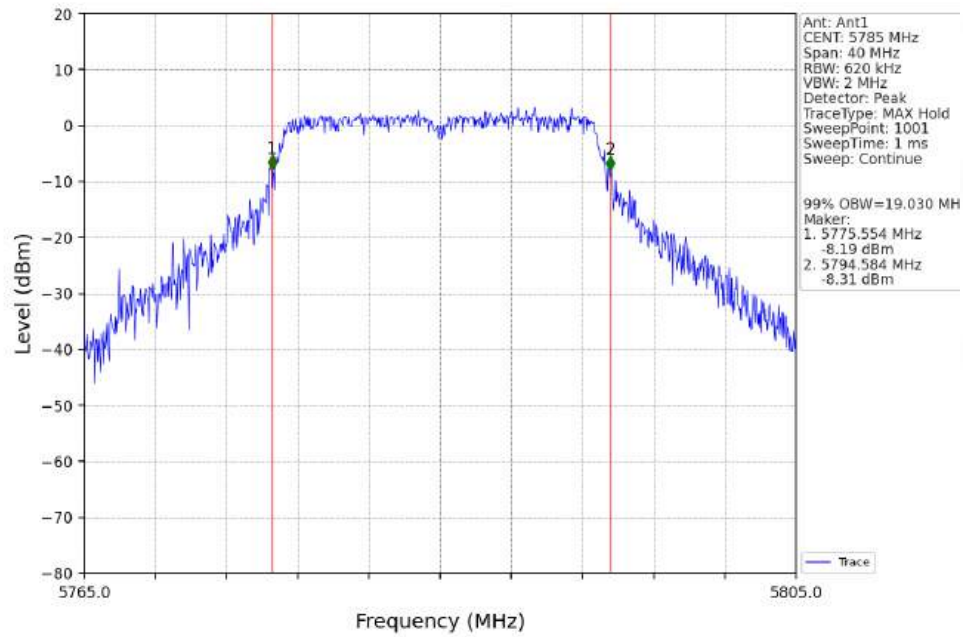
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



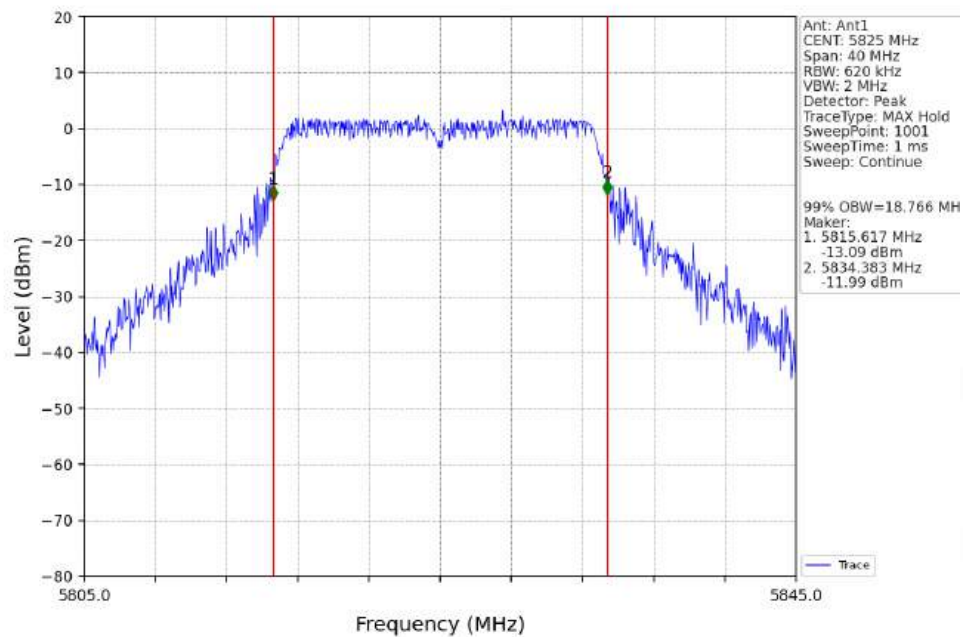
802.11n(HT20) LCH 5745MHz_Ant1_NTNV



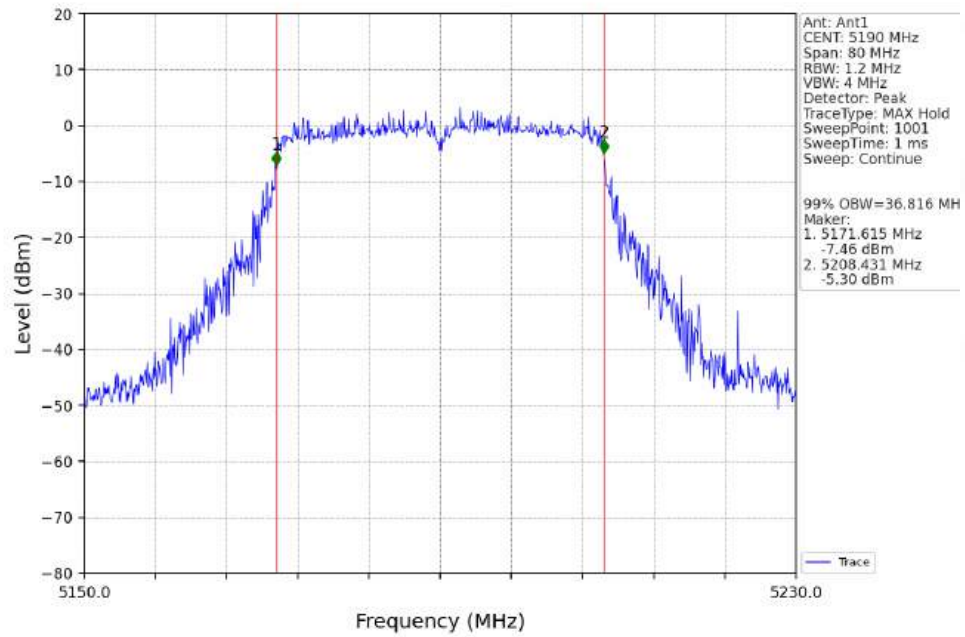
802.11n(HT20) MCH 5785MHz_Ant1_NTNV



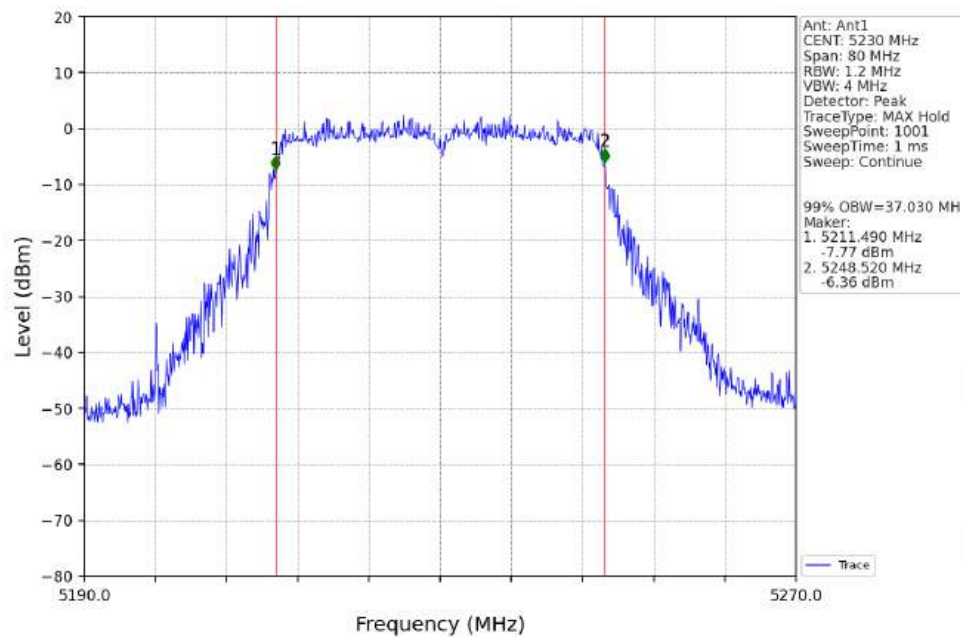
802.11n(HT20) HCH 5825MHz_Ant1_NTNV



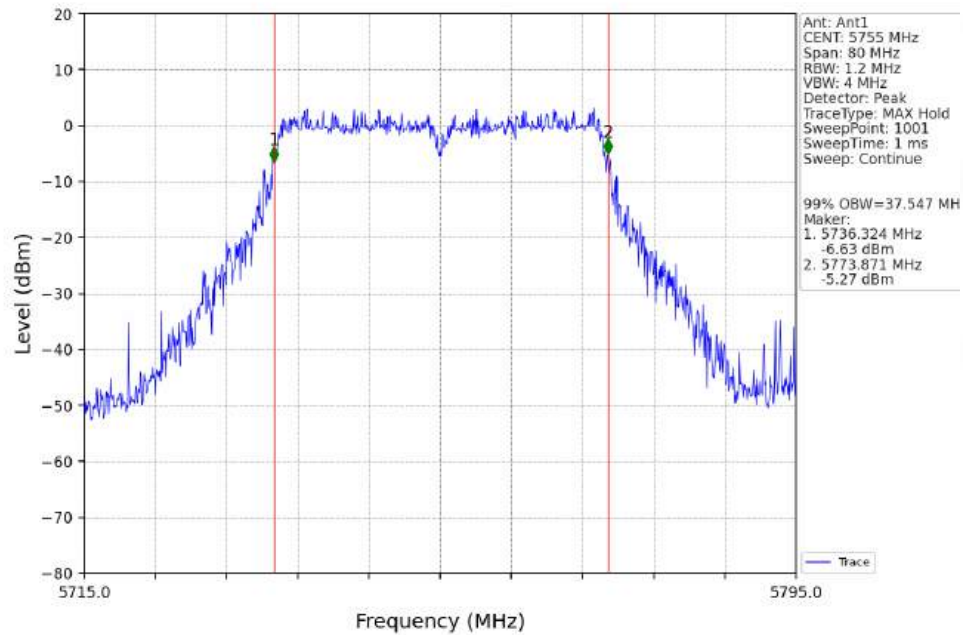
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



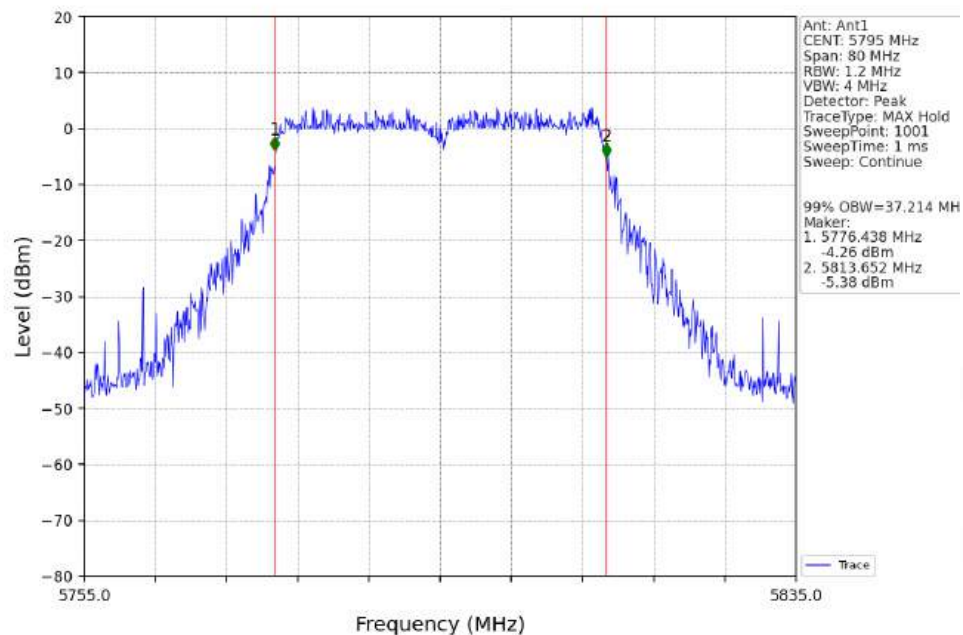
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



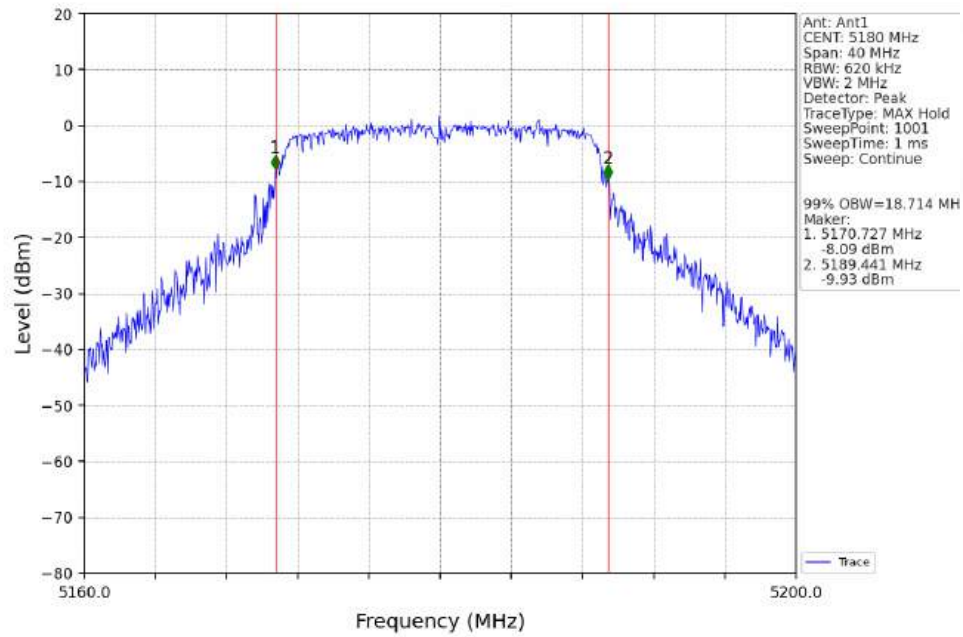
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



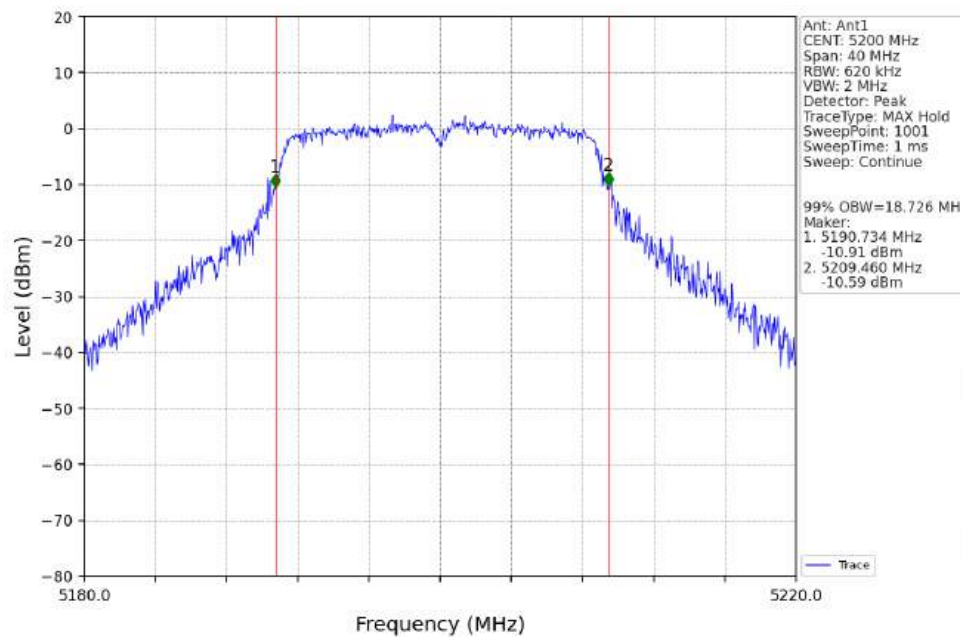
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



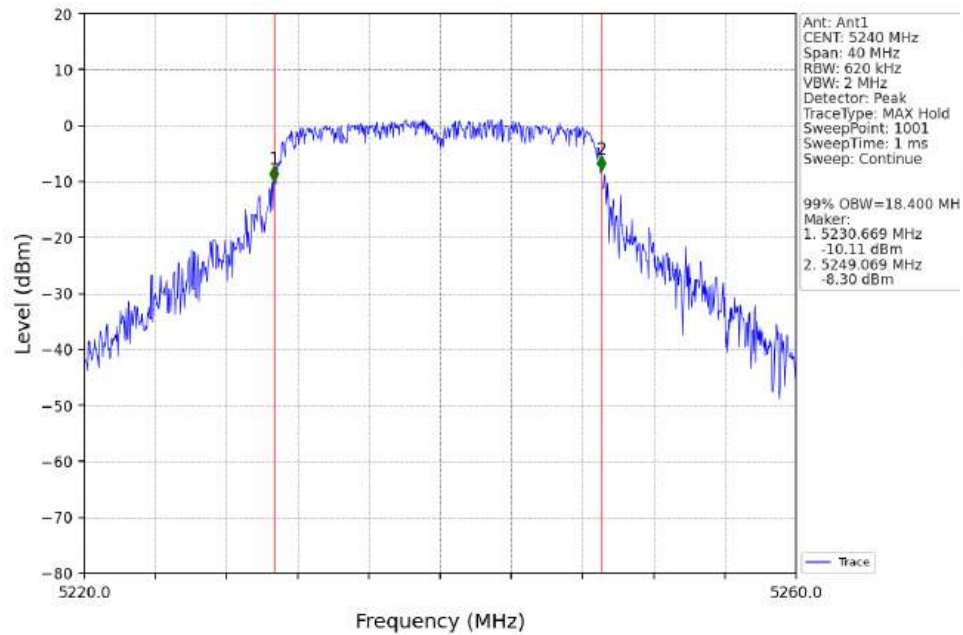
802.11ac(VHT20) LCH 5180MHz_Ant1_NTNV



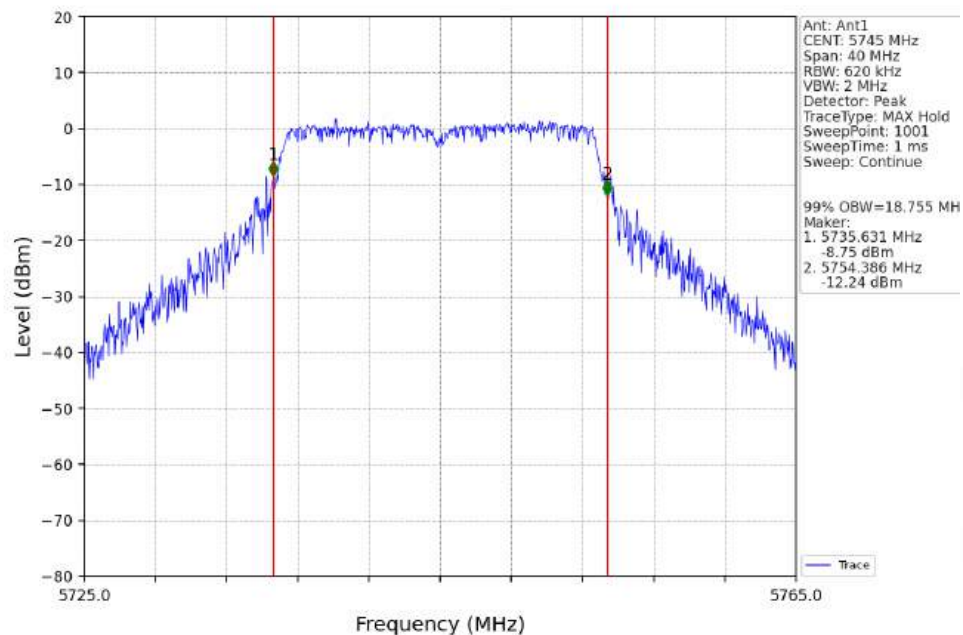
802.11ac(VHT20) MCH 5200MHz_Ant1_NTNV



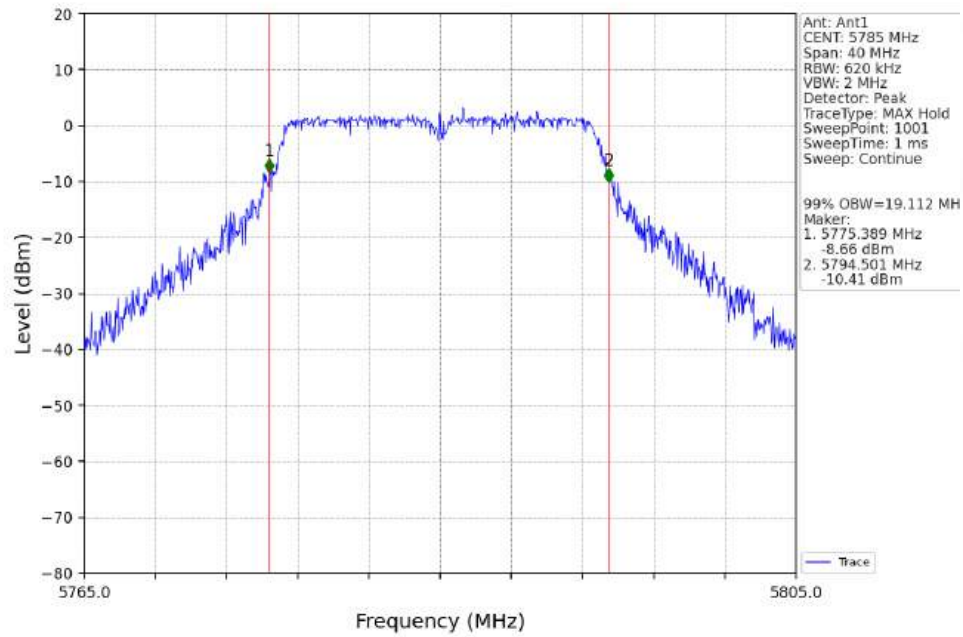
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



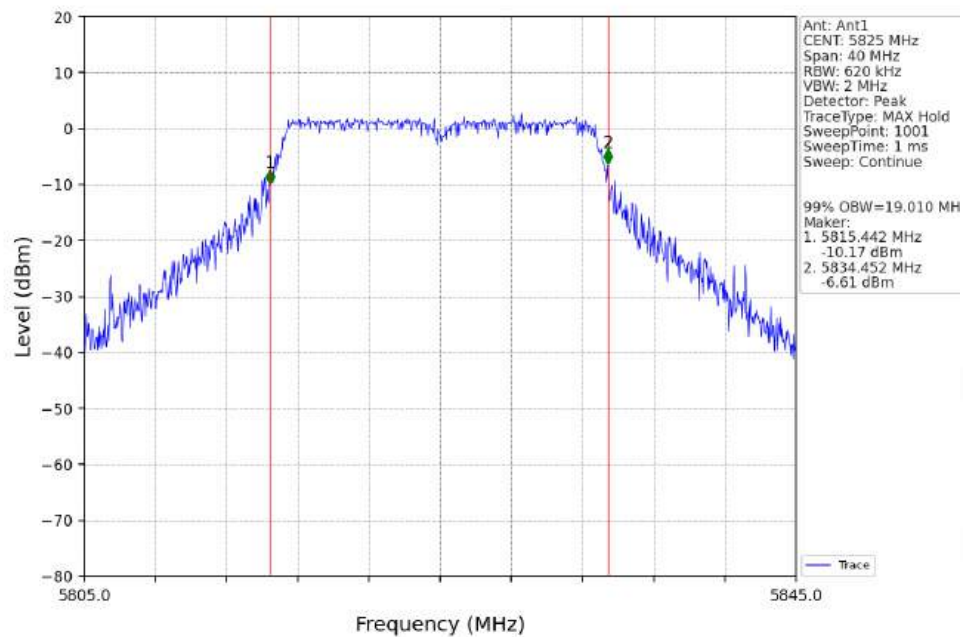
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



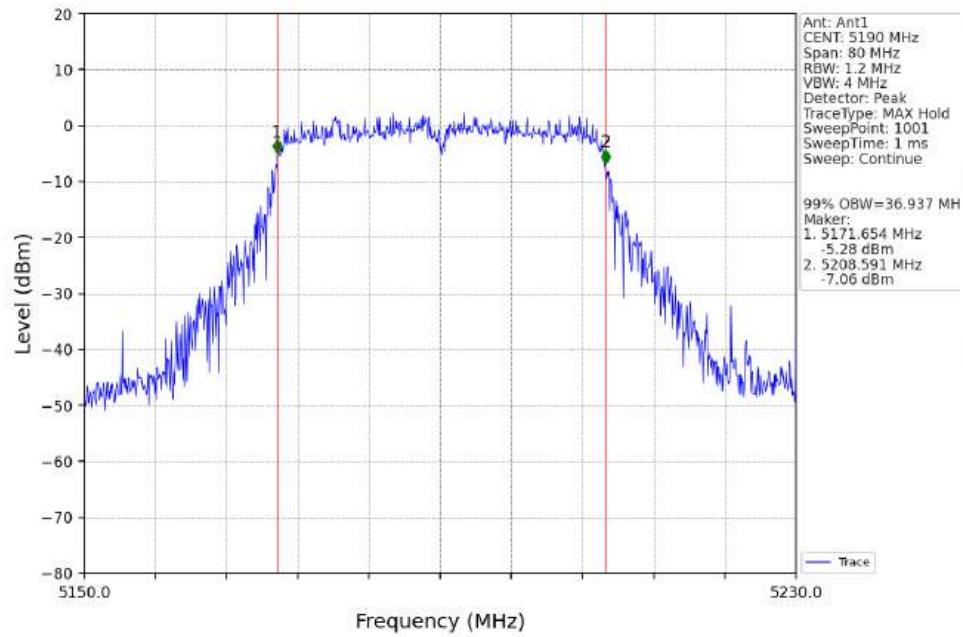
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



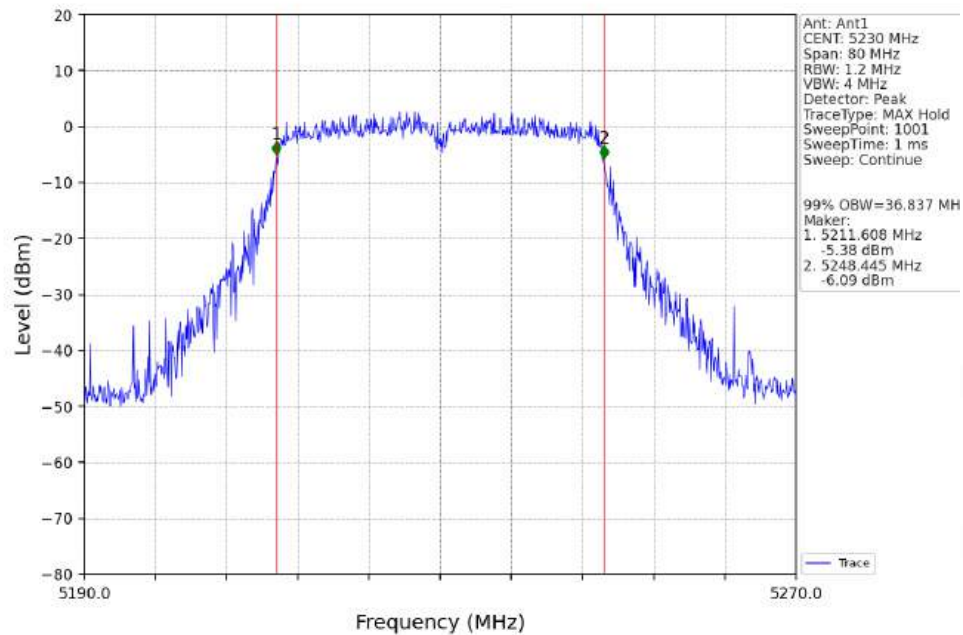
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



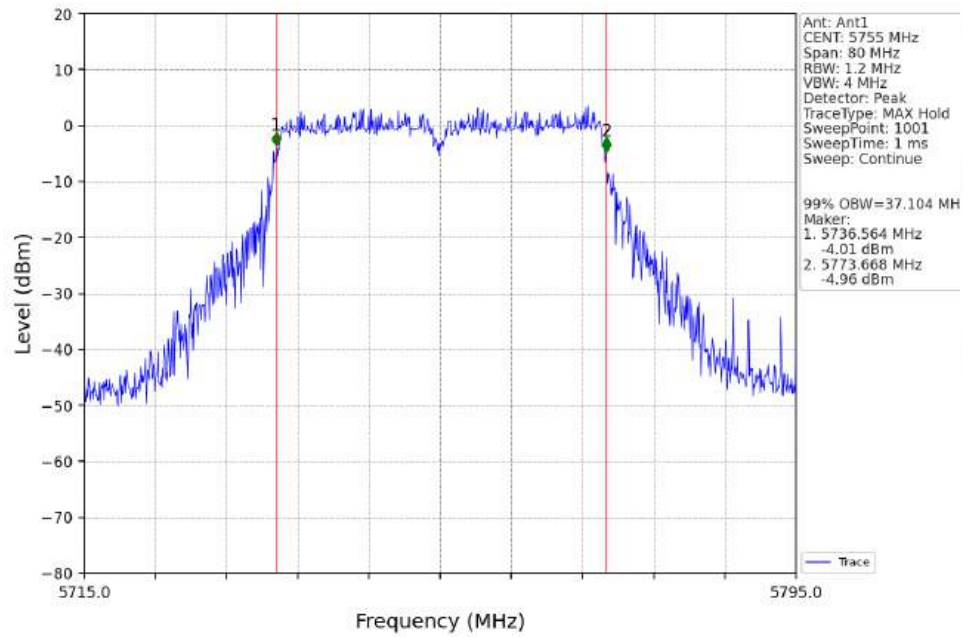
802.11ac(VHT40) LCH 5190MHz_Ant1_NTNV



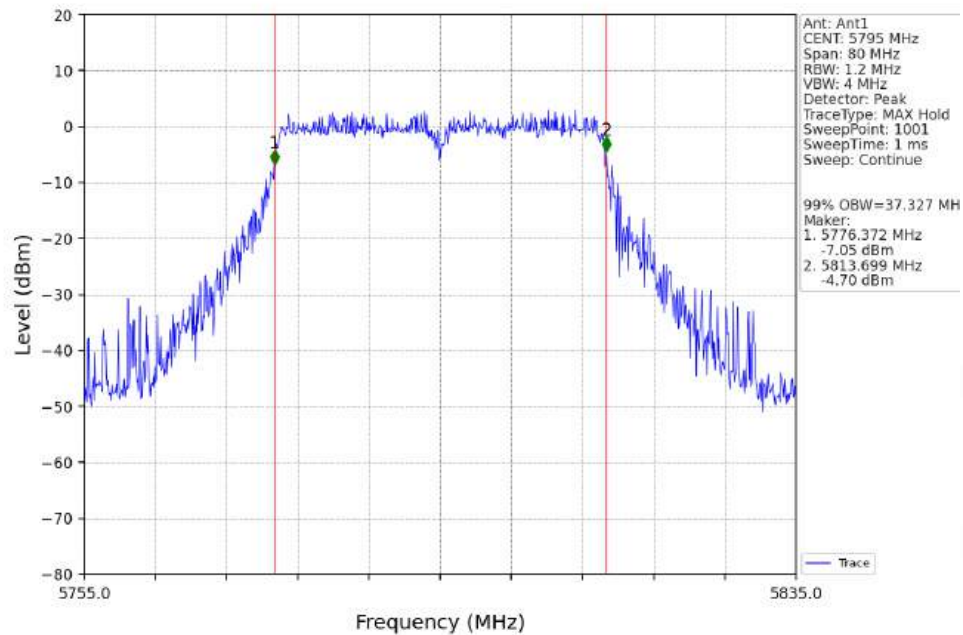
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



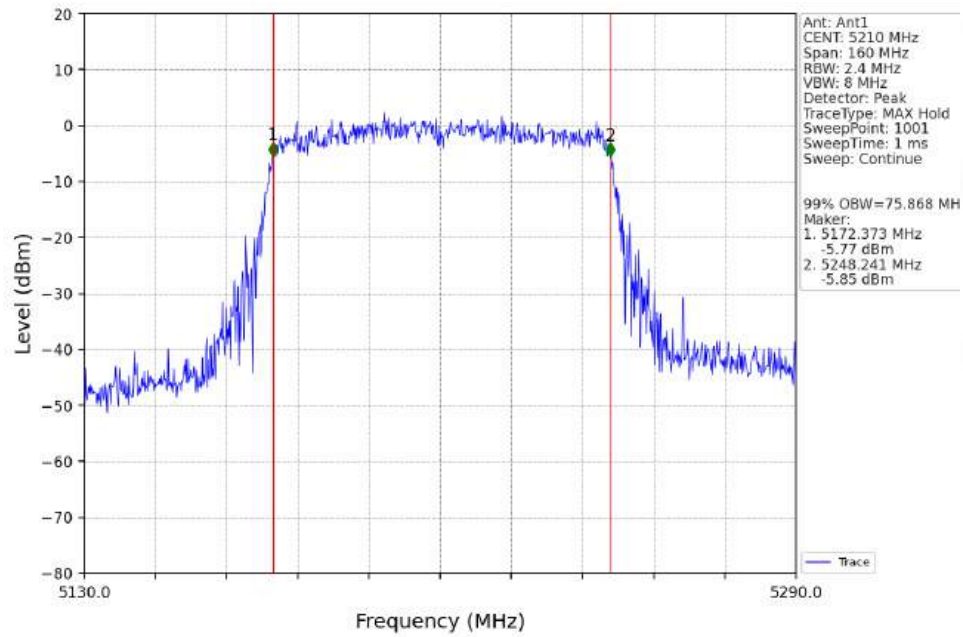
802.11ac(VHT40) LCH 5755MHz_Ant1_NTNV



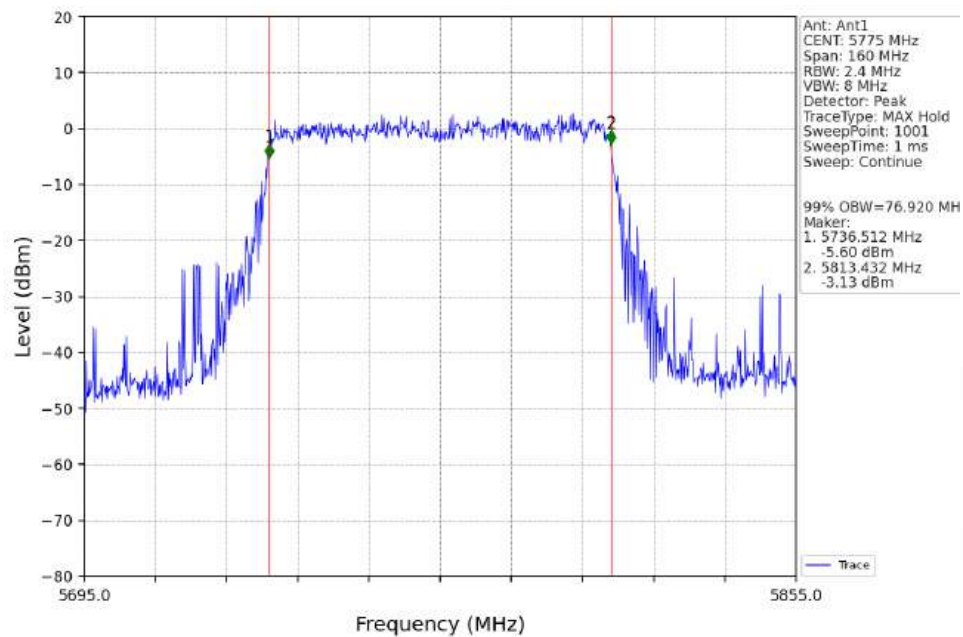
802.11ac(VHT40) HCH 5795MHz_Ant1_NTNV



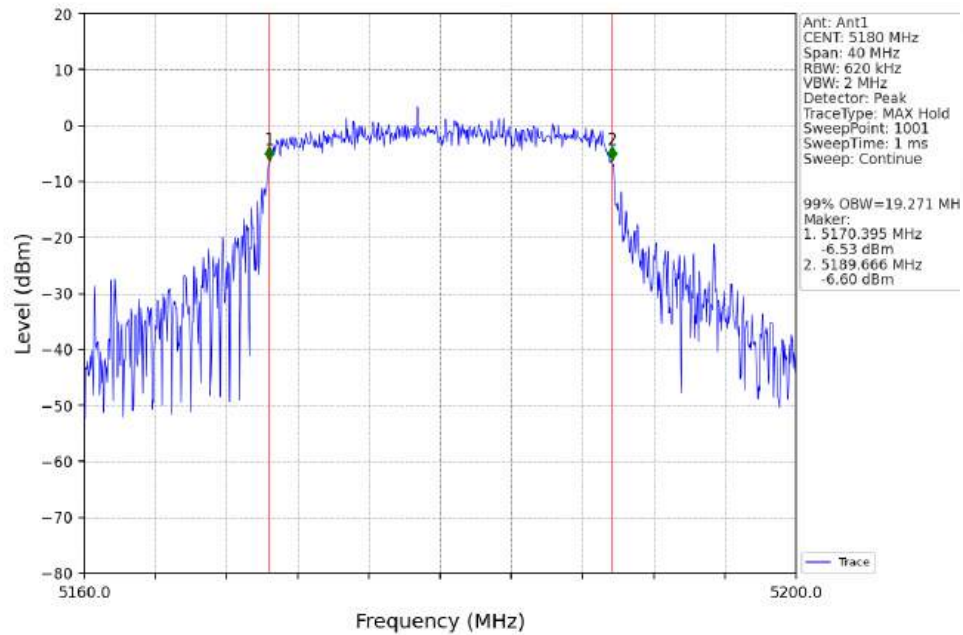
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



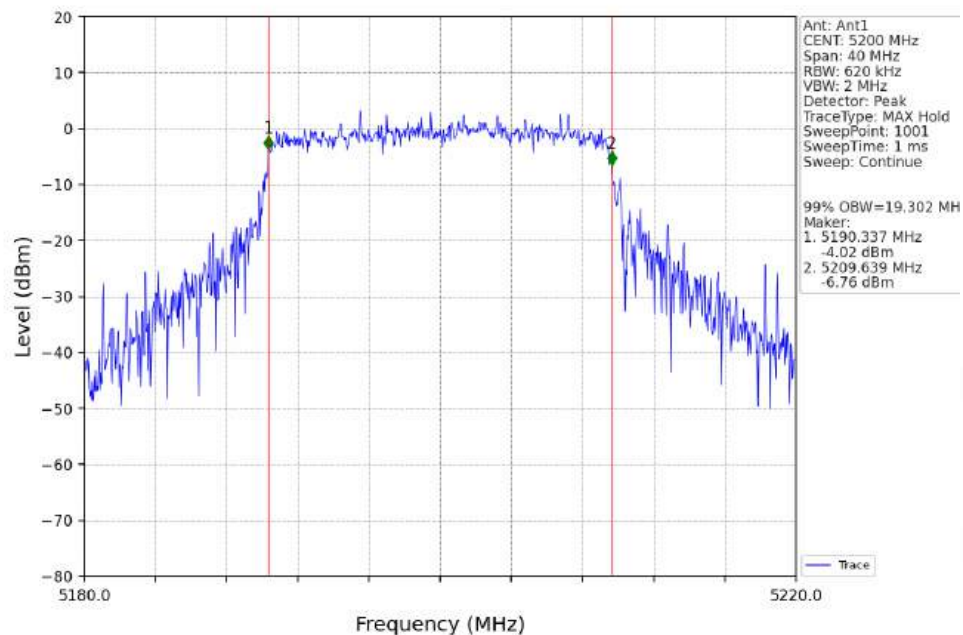
802.11ac(VHT80) MCH 5775MHz_Ant1_NTNV



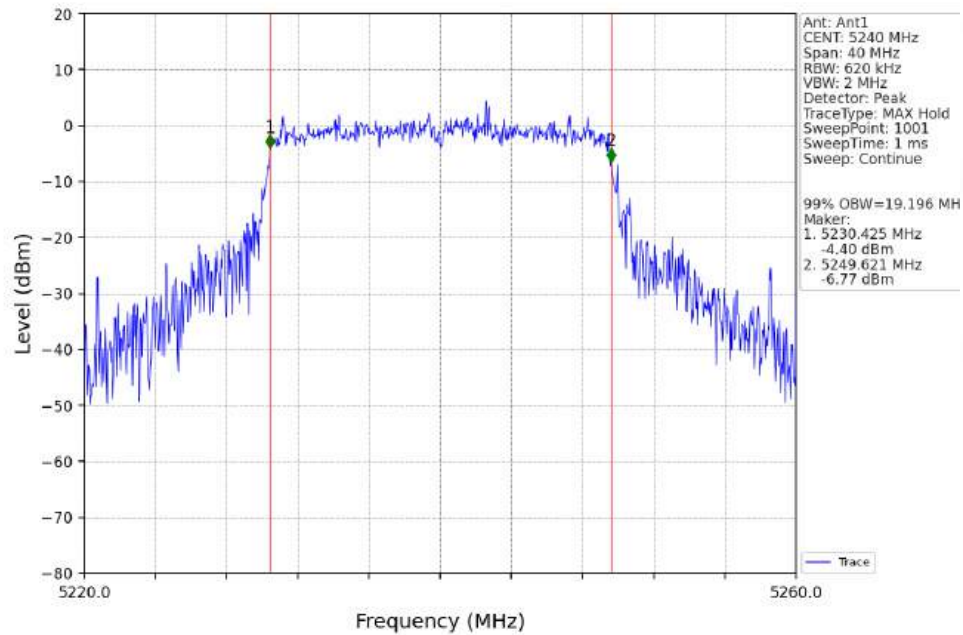
802.11ax(HEW20) LCH_5180MHz_SU / Ant1_NTNV



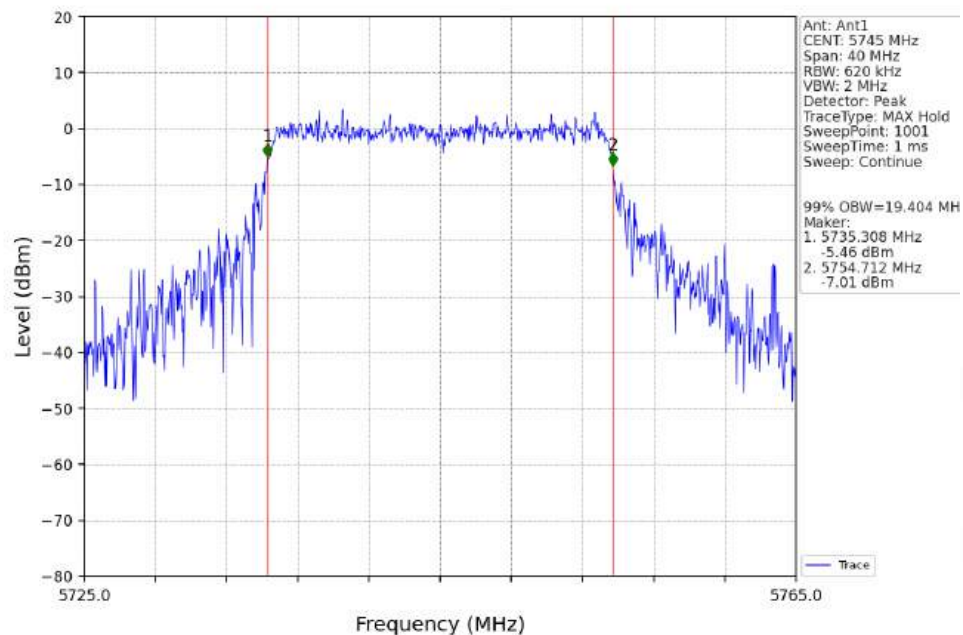
802.11ax(HEW20) MCH_5200MHz_SU / Ant1_NTNV



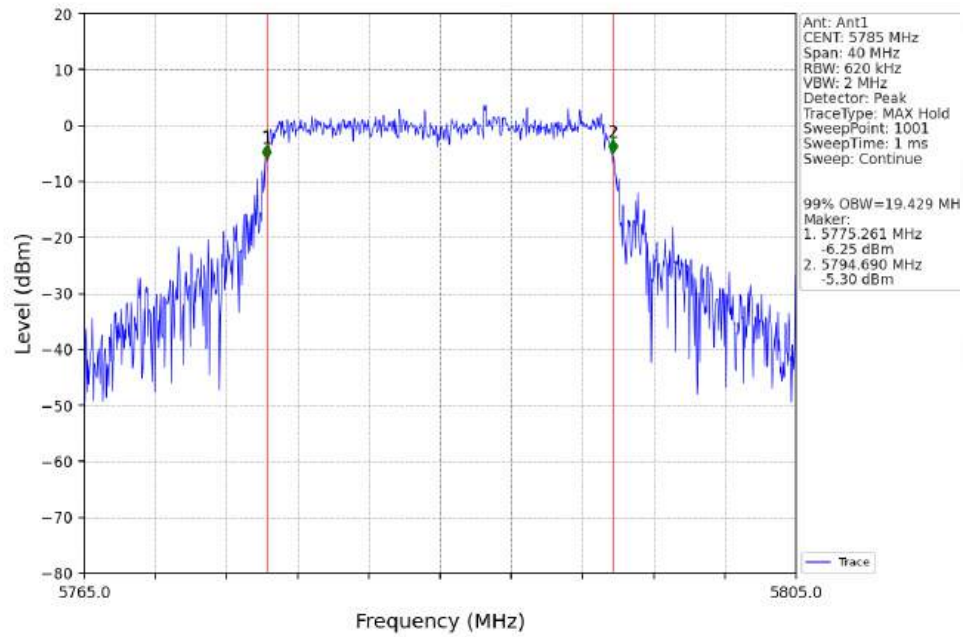
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



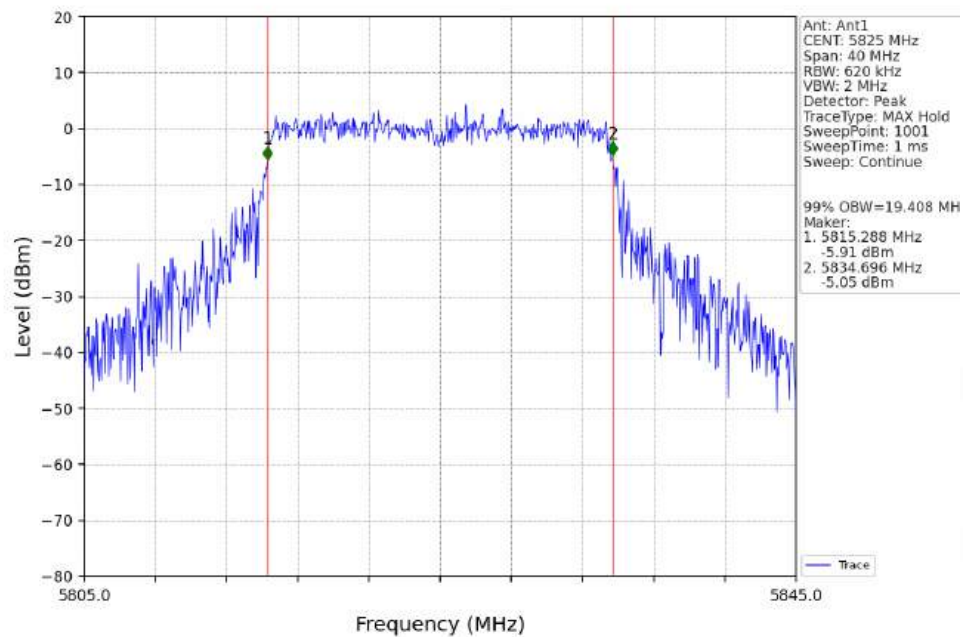
802.11ax(HEW20)_LCH_5745MHz_SU_ / Ant1_NTNV



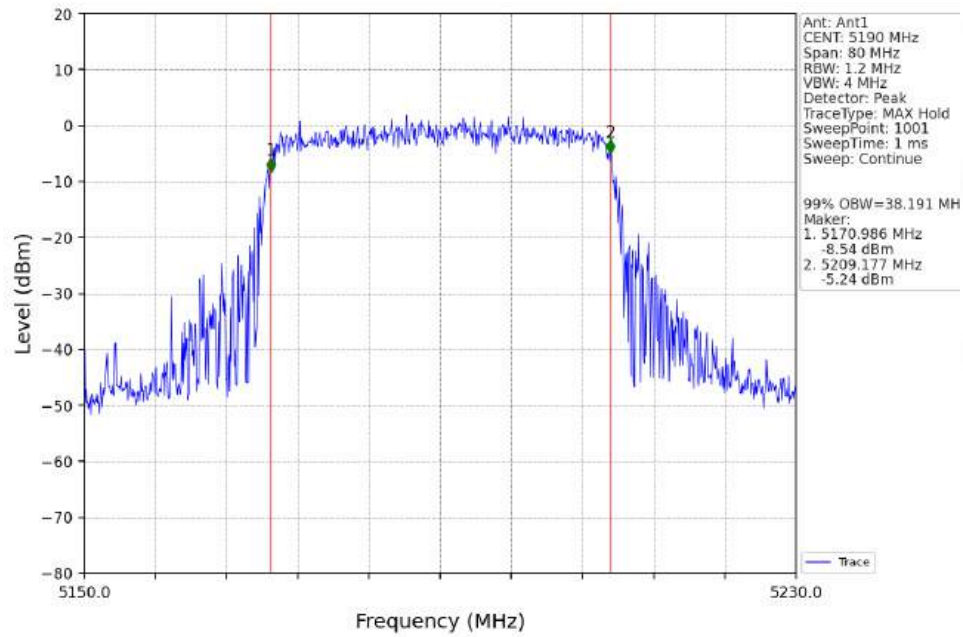
802.11ax(HEW20)_MCH_5785MHz_SU_ / Ant1_NTNV



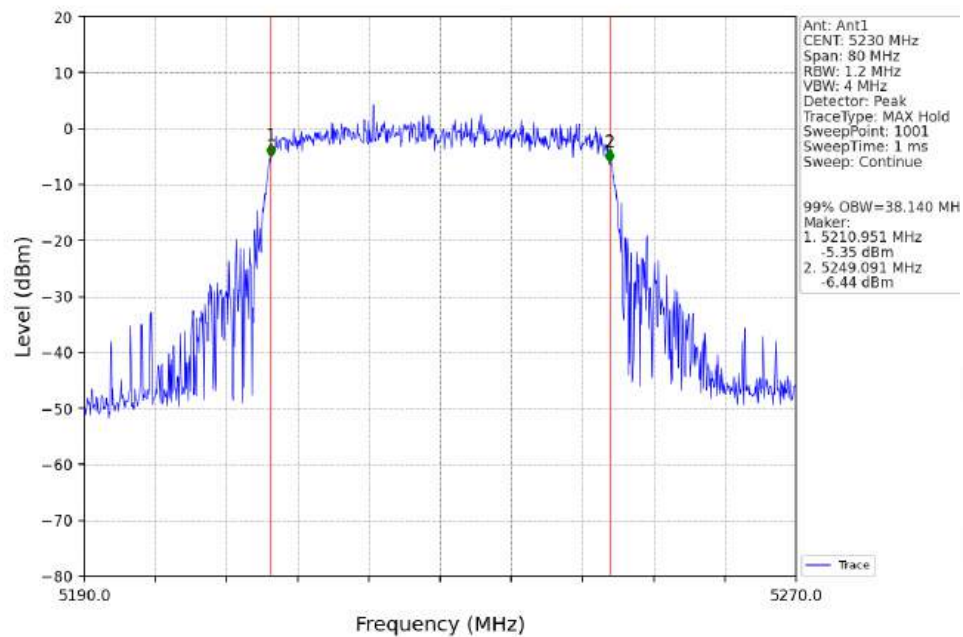
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant1_NTNV



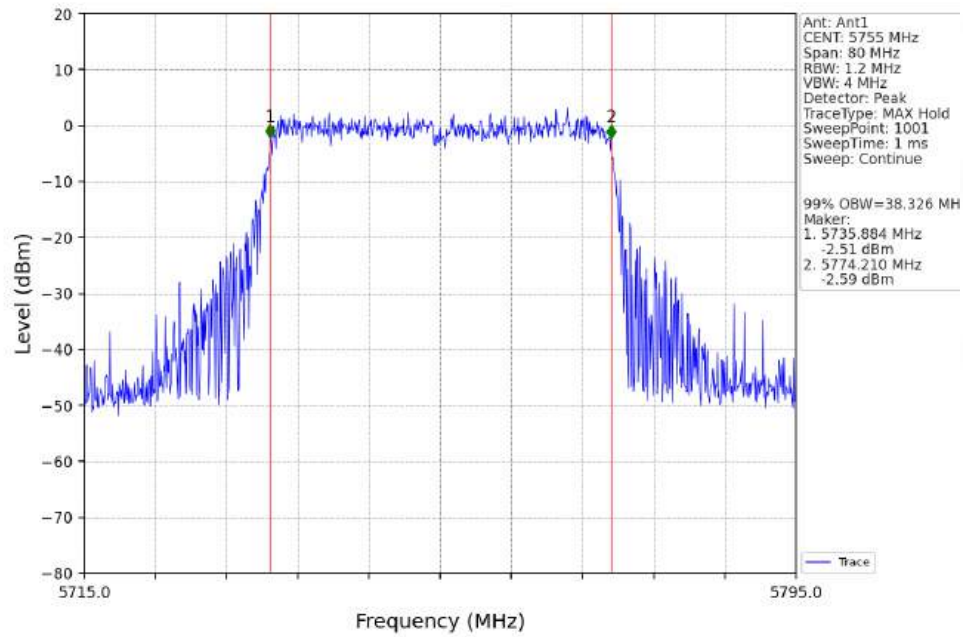
802.11ax(HEW40) LCH_5190MHz_SU_ / Ant1_NTNV



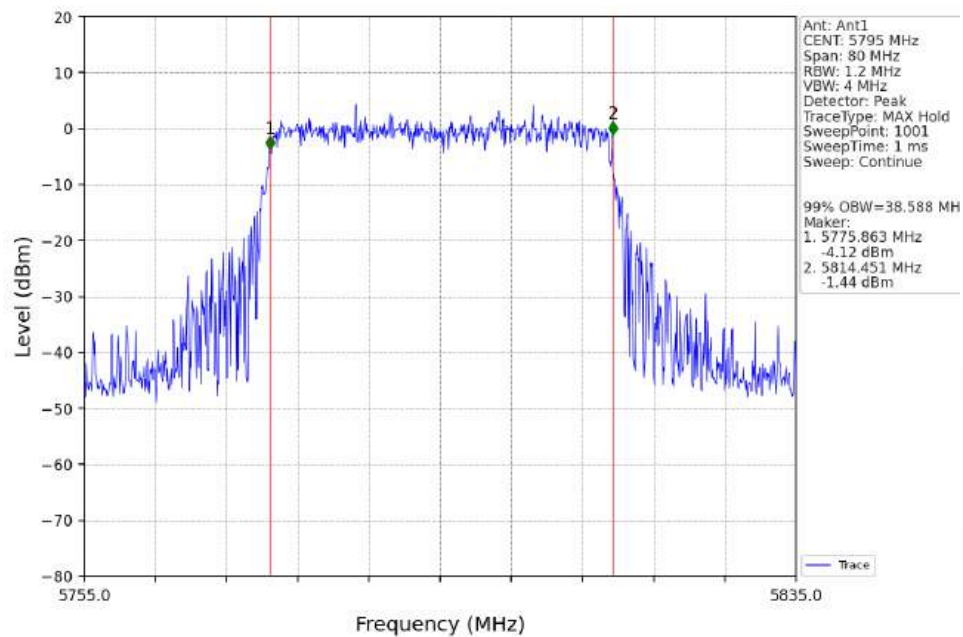
802.11ax(HEW40) HCH_5230MHz_SU_ / Ant1_NTNV



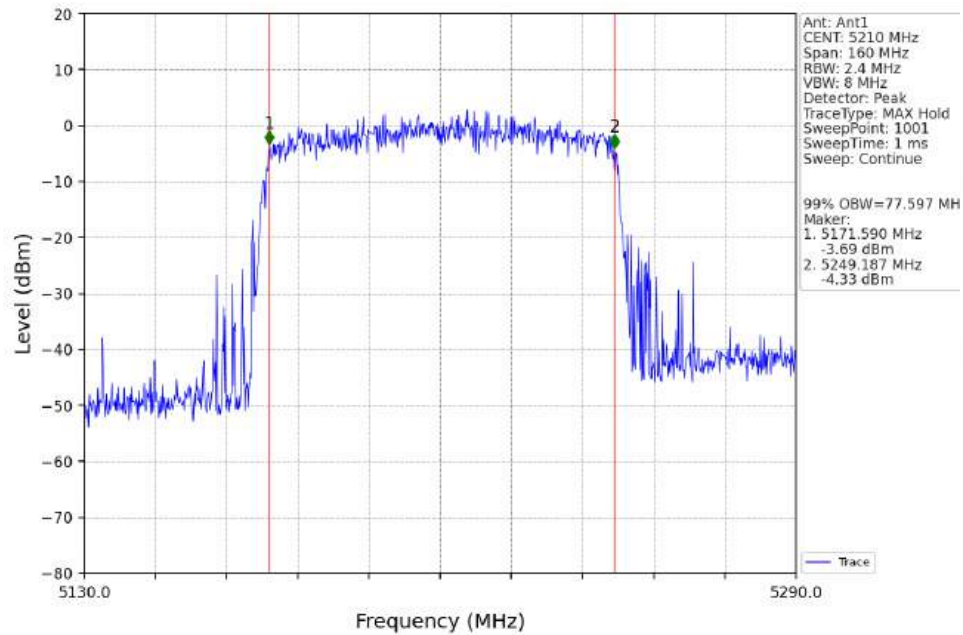
802.11ax(HEW40) LCH_5755MHz_SU_ / Ant1_NTNV



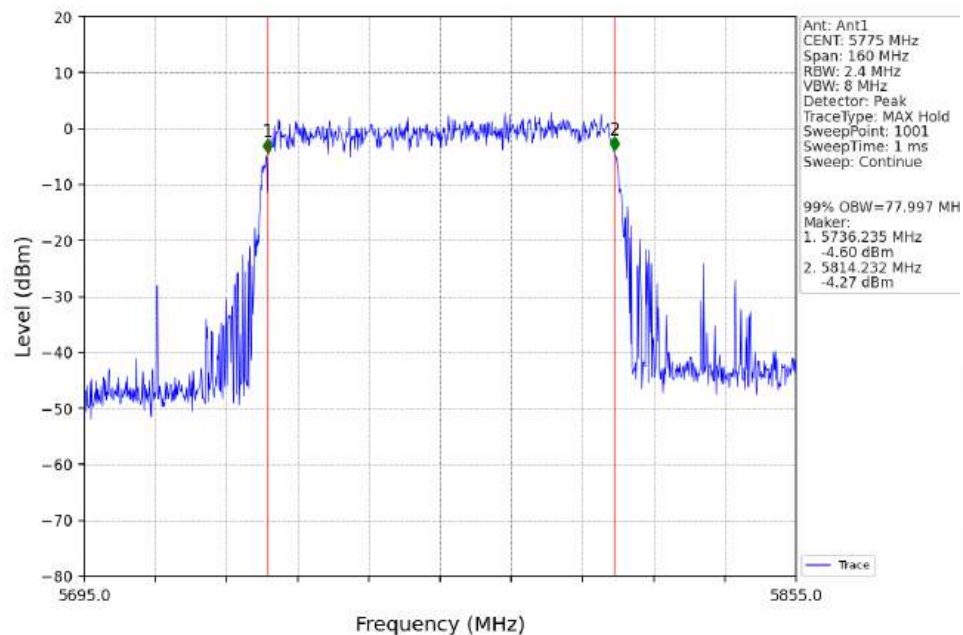
802.11ax(HEW40) HCH_5795MHz_SU_ / Ant1_NTNV



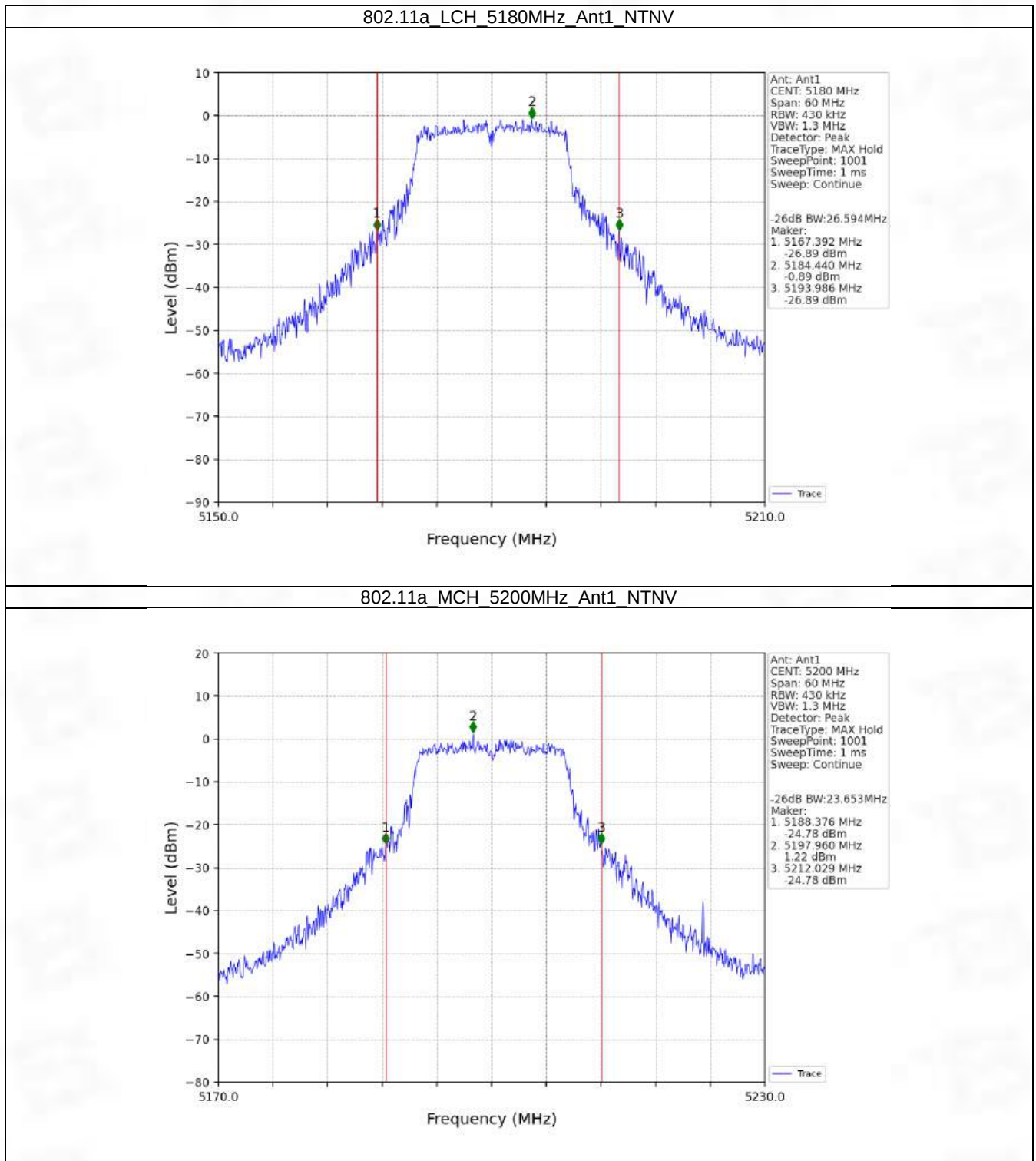
802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



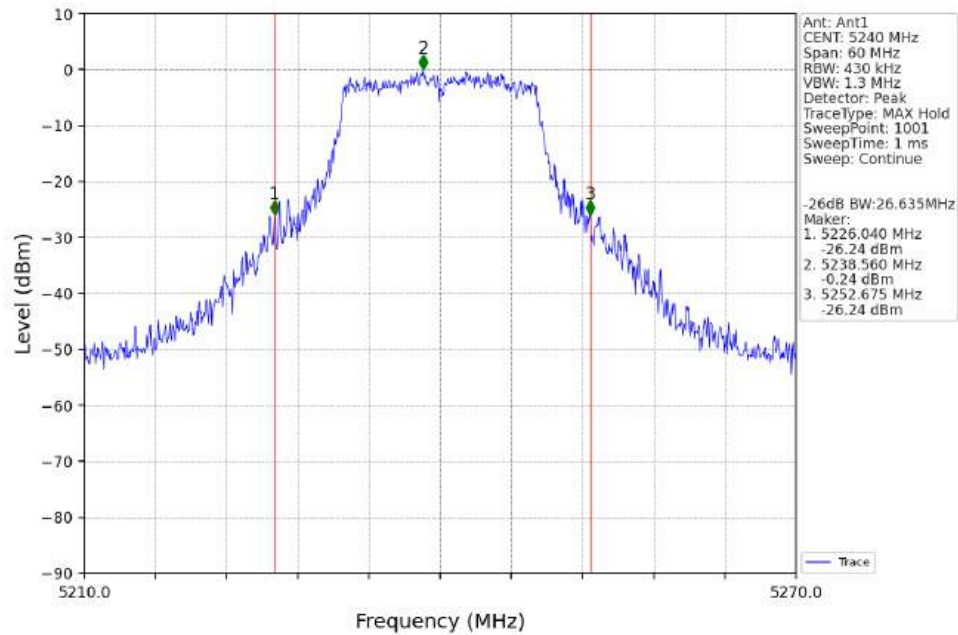
802.11ax(HEW80)_MCH_5775MHz_SU / Ant1_NTNV



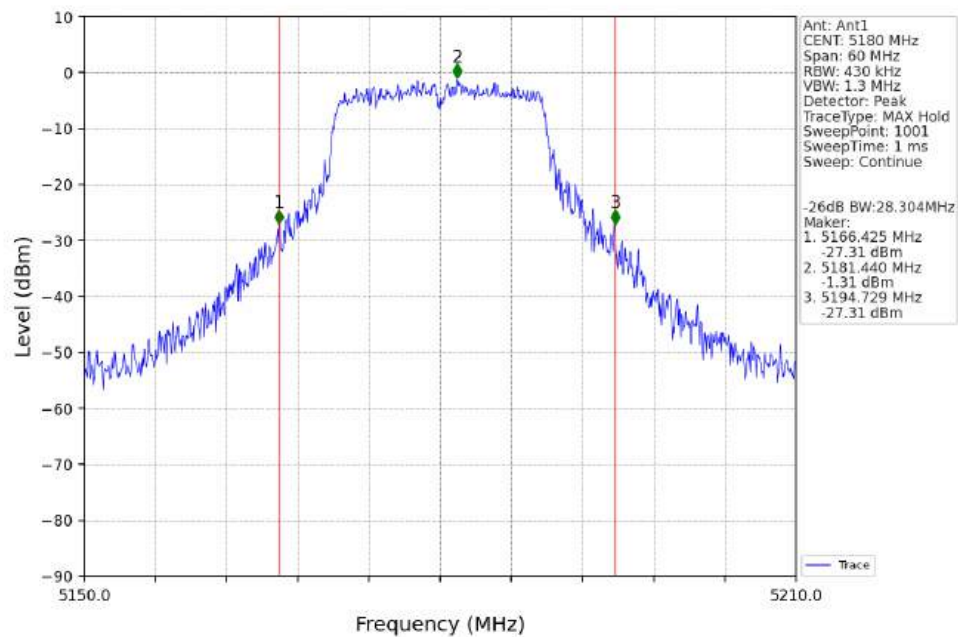
2.2.2 26dB BW



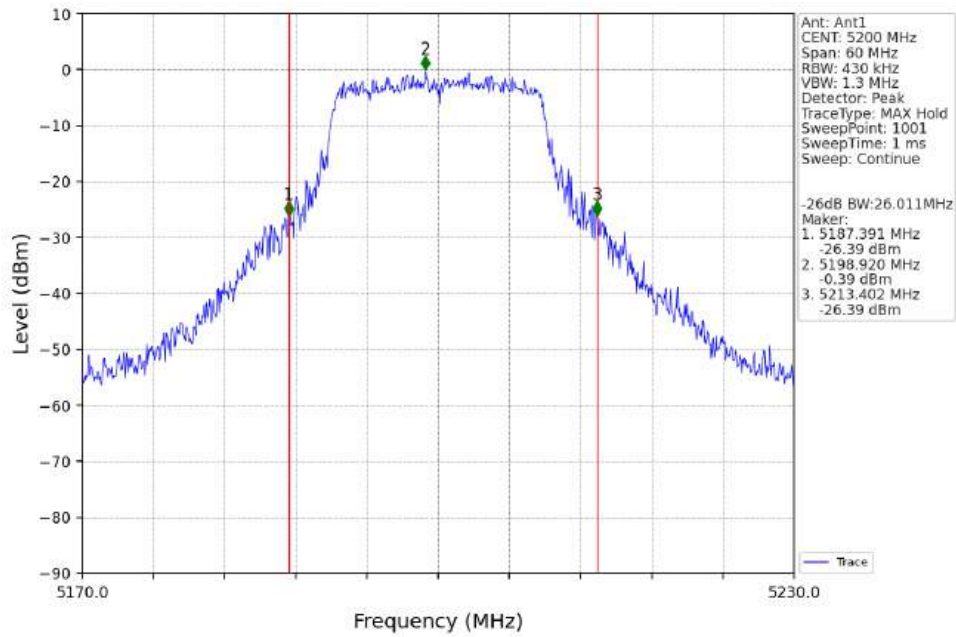
802.11a_HCH_5240MHz_Ant1_NTNV



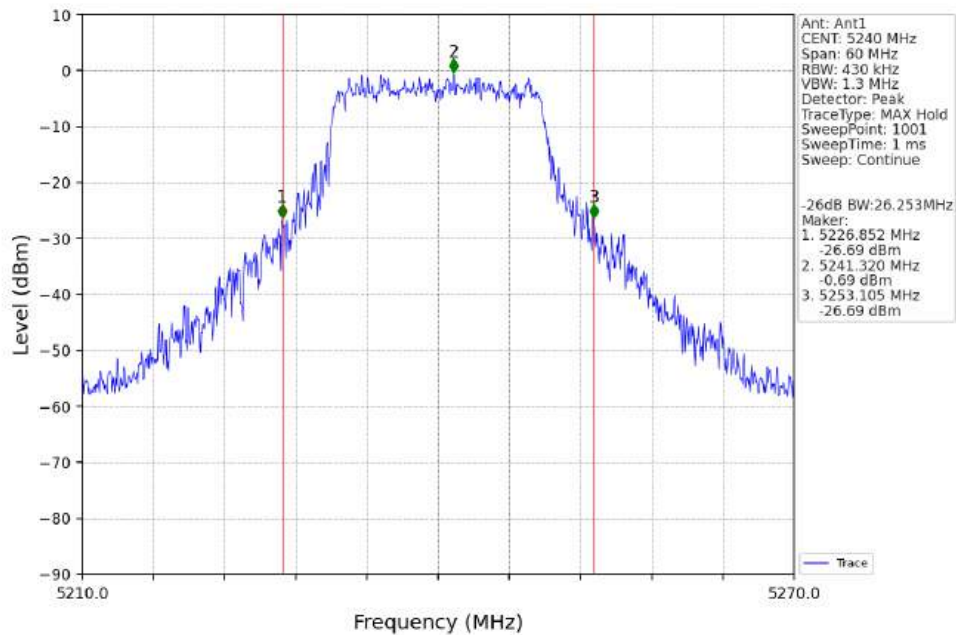
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



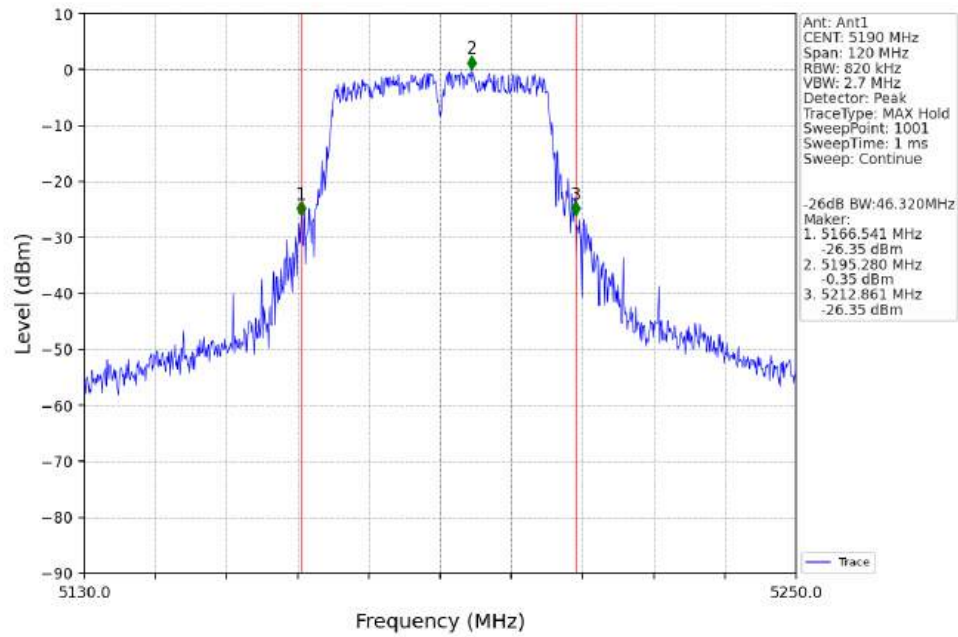
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



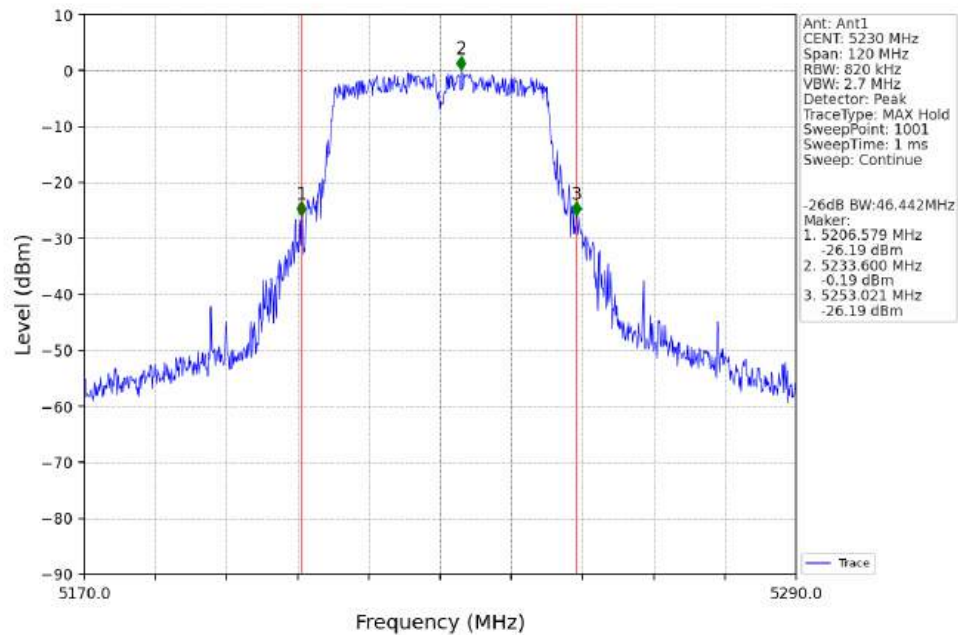
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



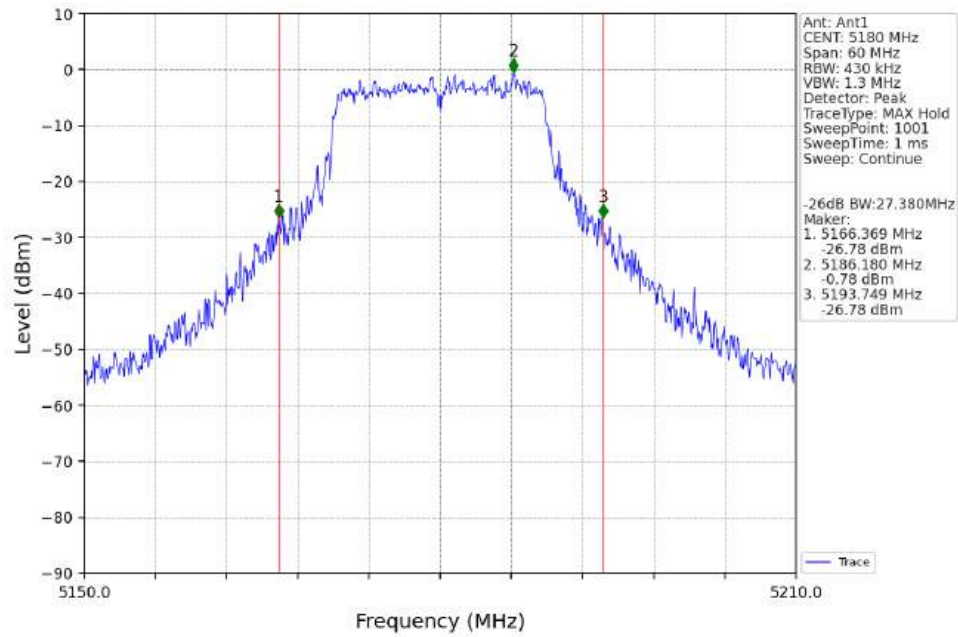
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



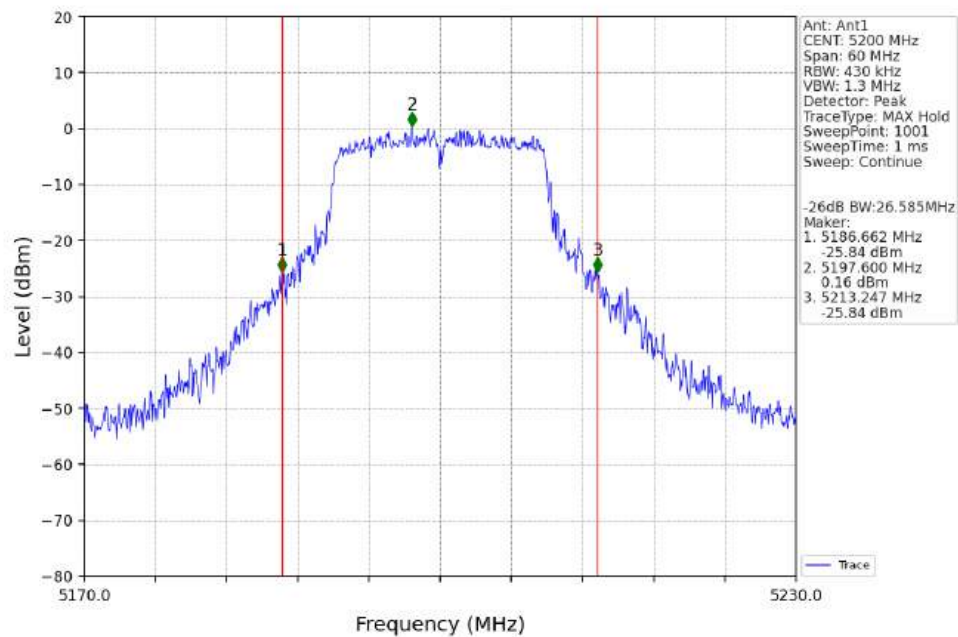
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



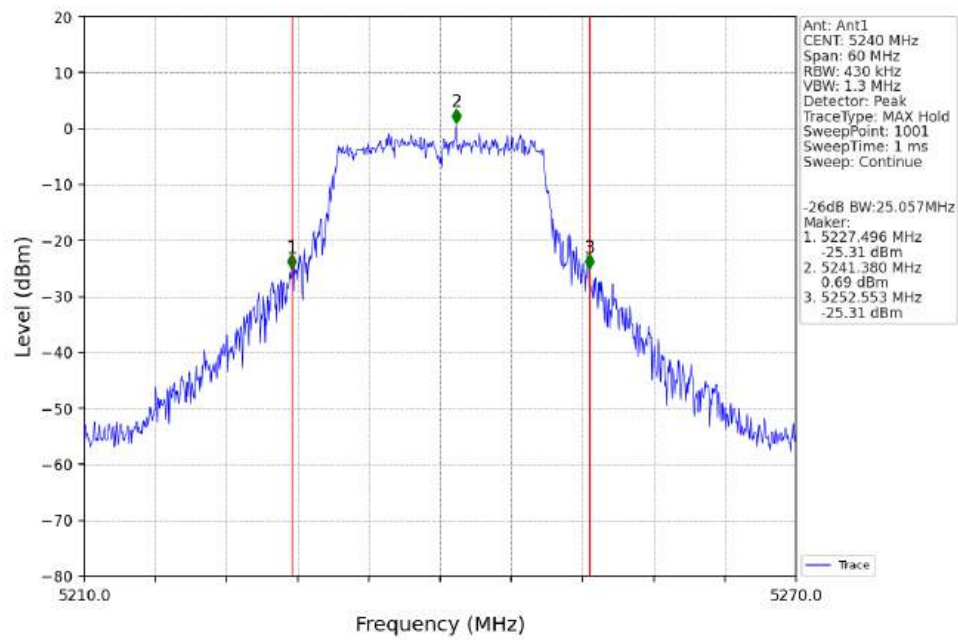
802.11ac(VHT20) LCH 5180MHz_Ant1_NTNV



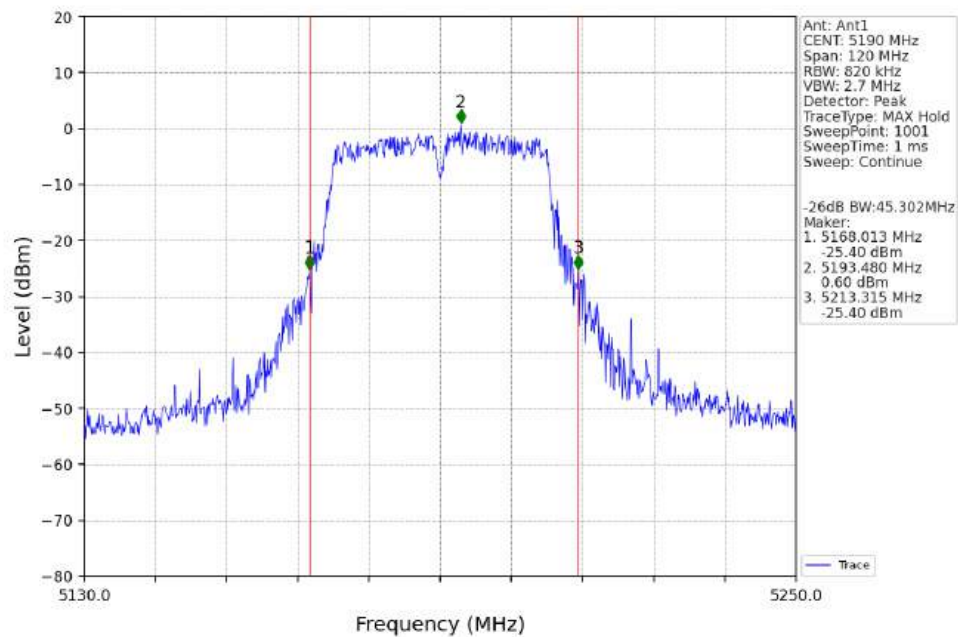
802.11ac(VHT20) MCH 5200MHz_Ant1_NTNV



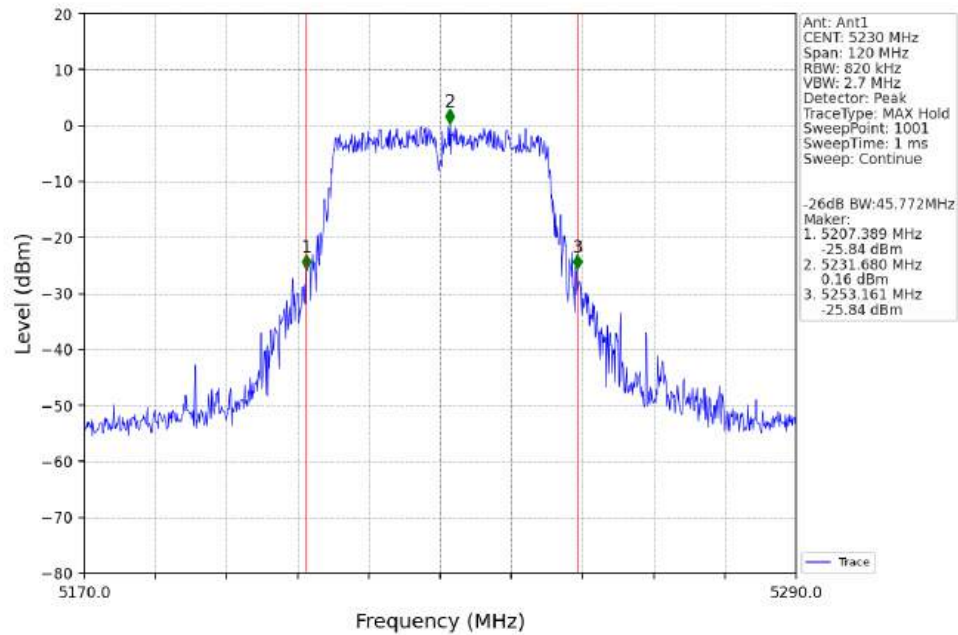
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



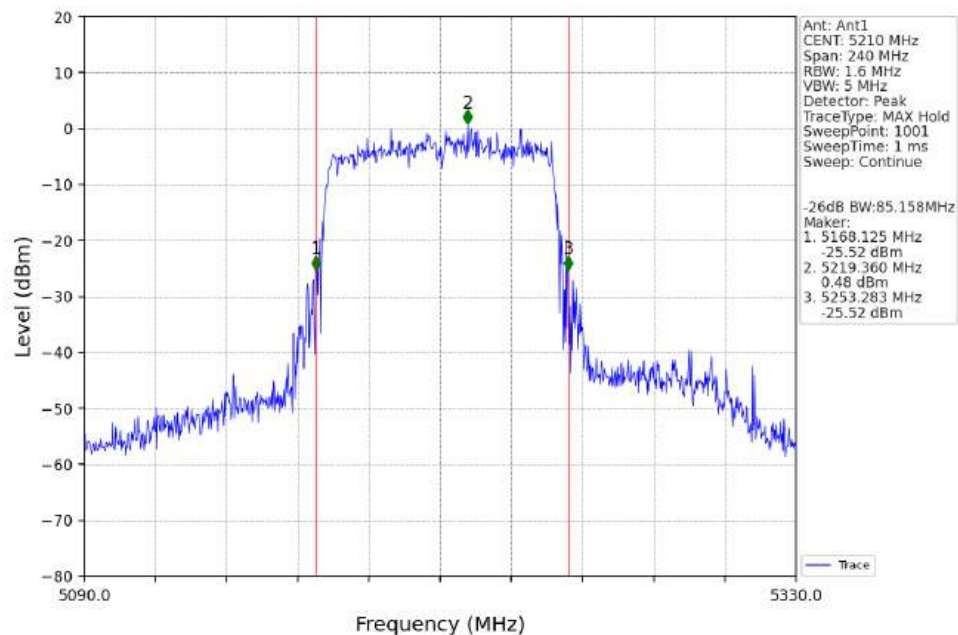
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



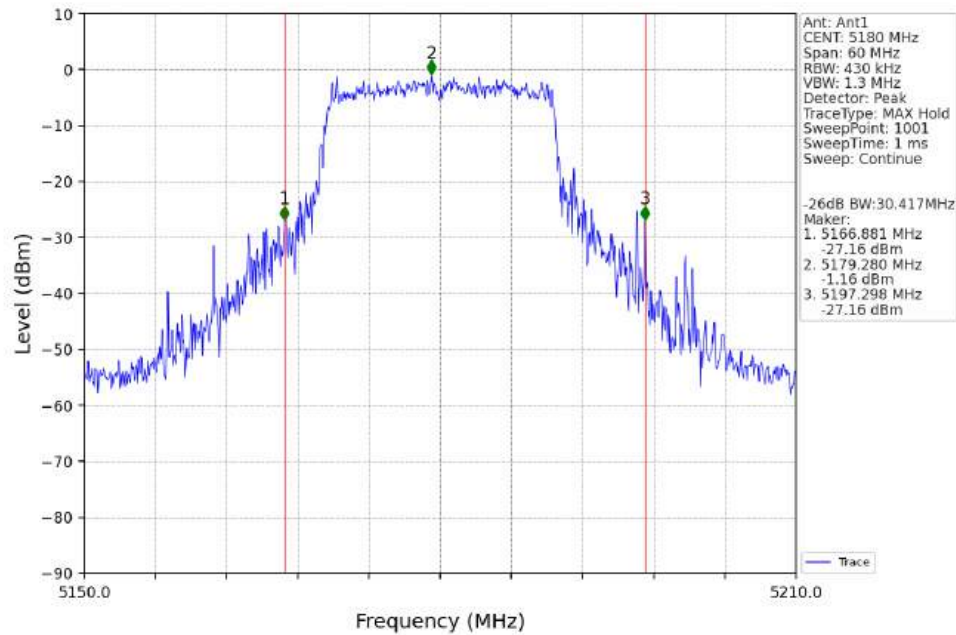
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



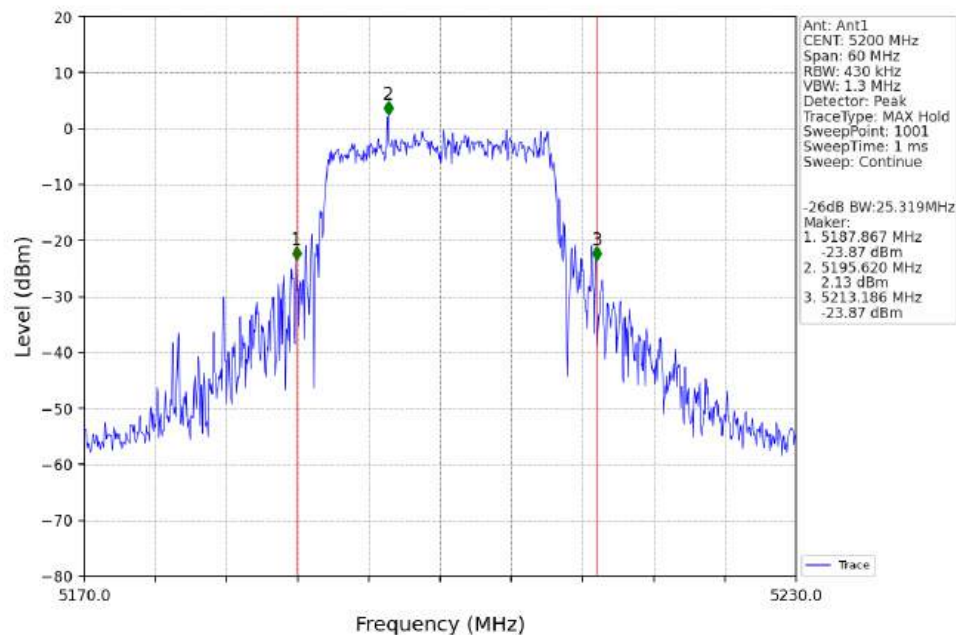
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



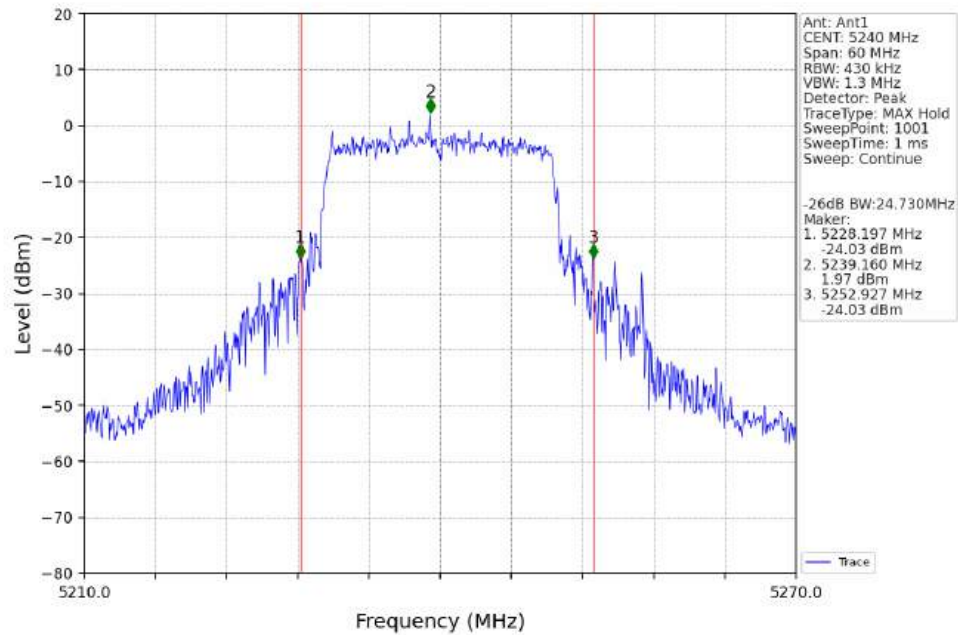
802.11ax(HEW20) LCH 5180MHz SU / Ant1 NTN



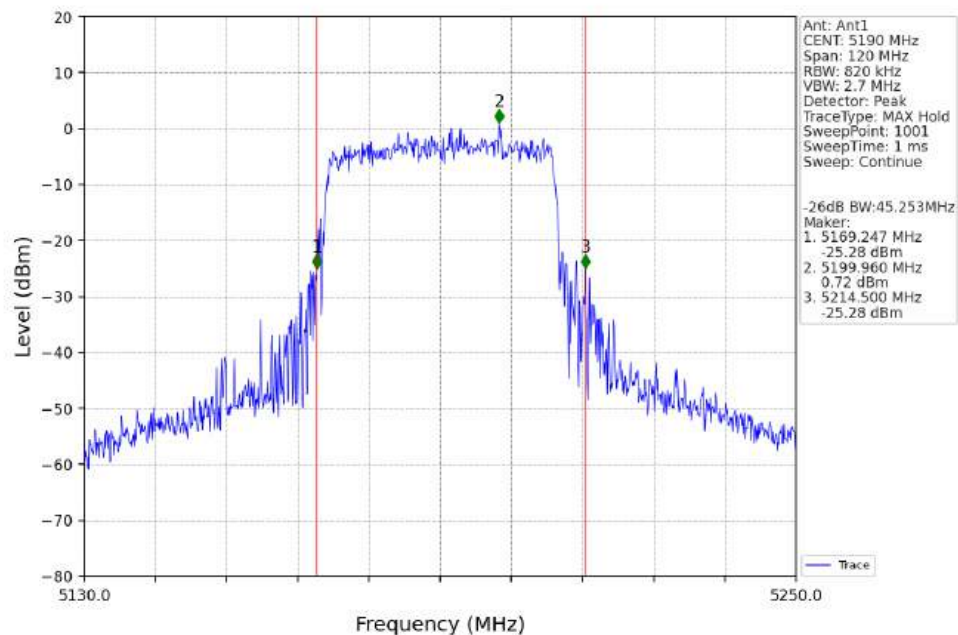
802.11ax(HEW20) MCH 5200MHz SU / Ant1 NTN



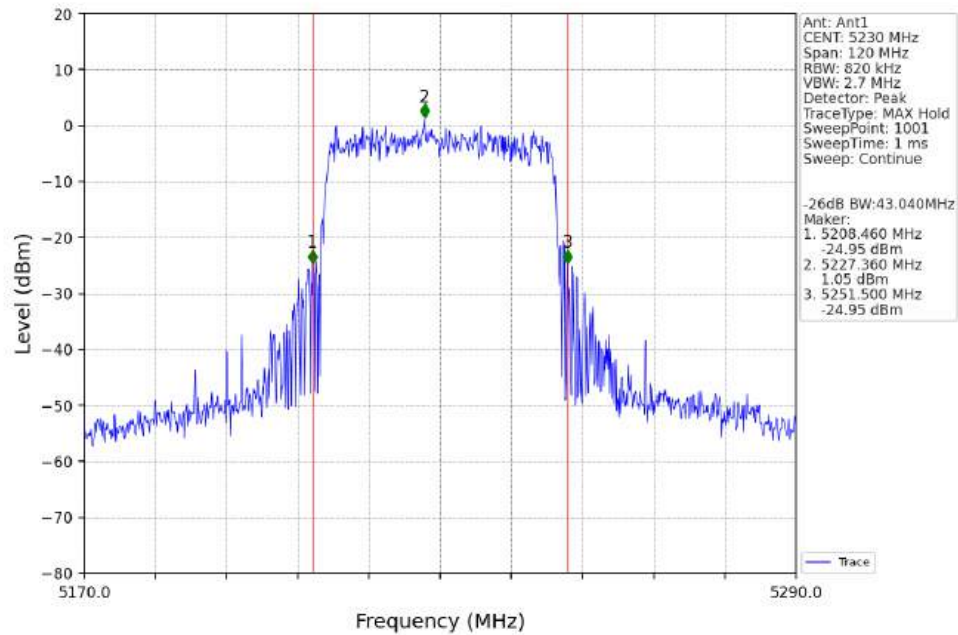
802.11ax(HEW20)_HCH_5240MHz_SU / Ant1_NTNV



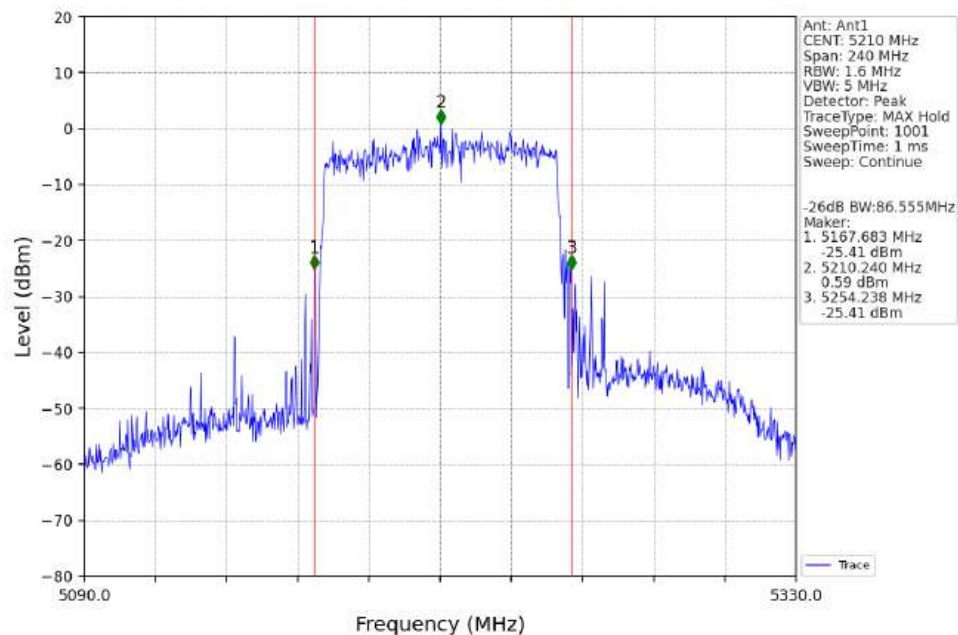
802.11ax(HEW40)_LCH_5190MHz_SU / Ant1_NTNV



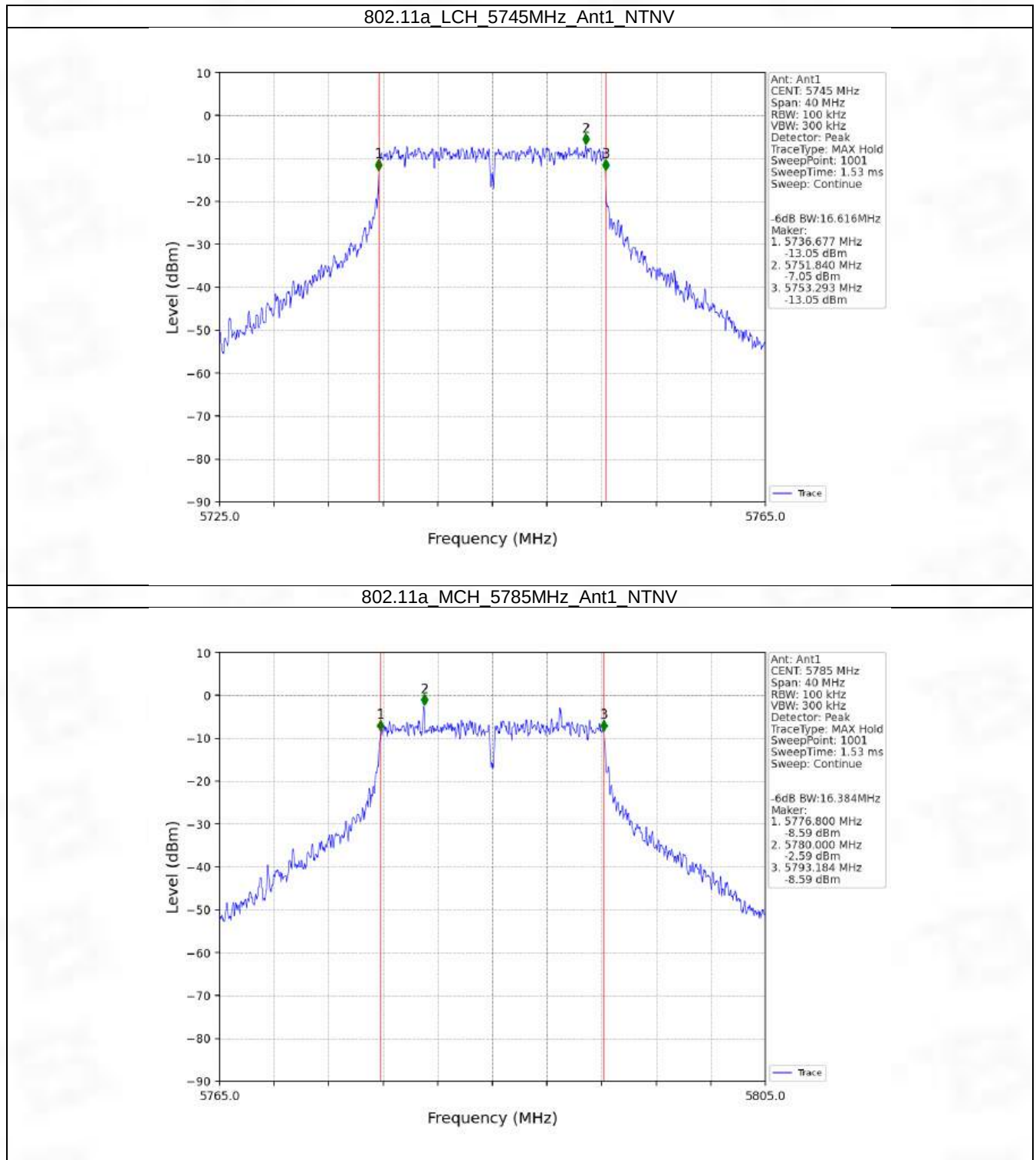
802.11ax(HEW40)_HCH_5230MHz_SU / Ant1 NTN



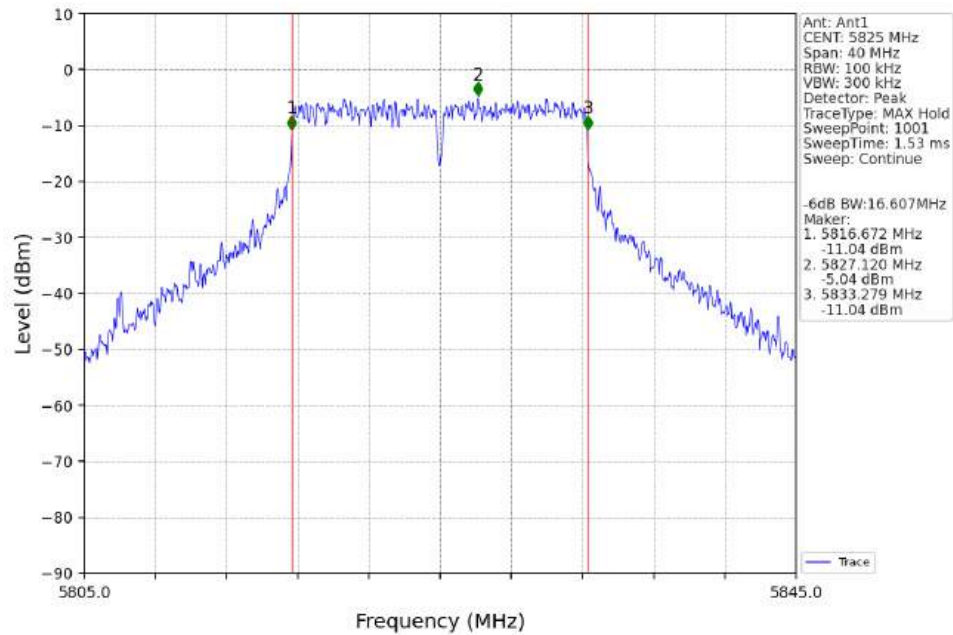
802.11ax(HEW80)_MCH_5210MHz_SU / Ant1 NTN



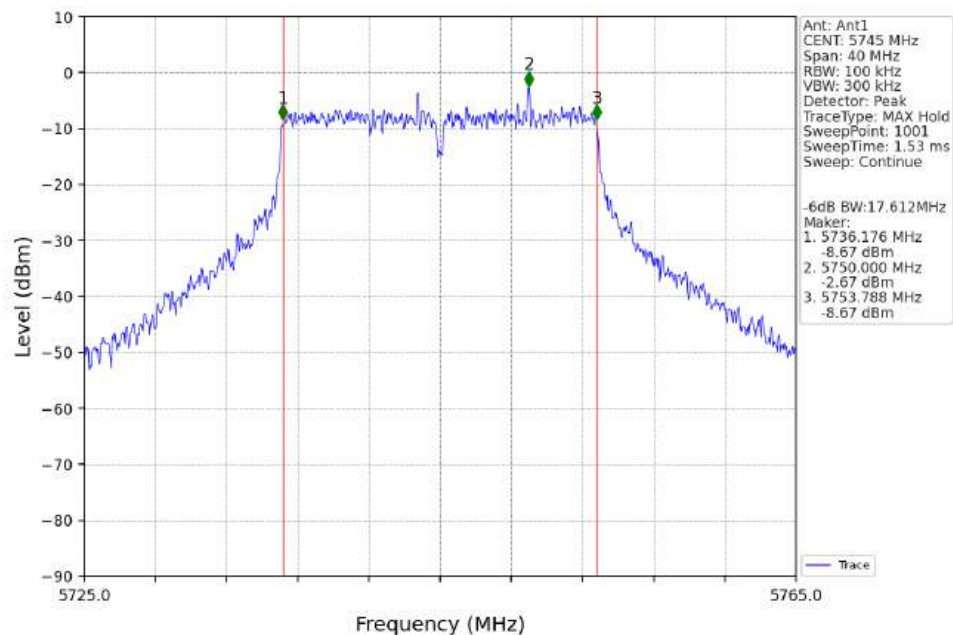
2.2.3 6dB BW



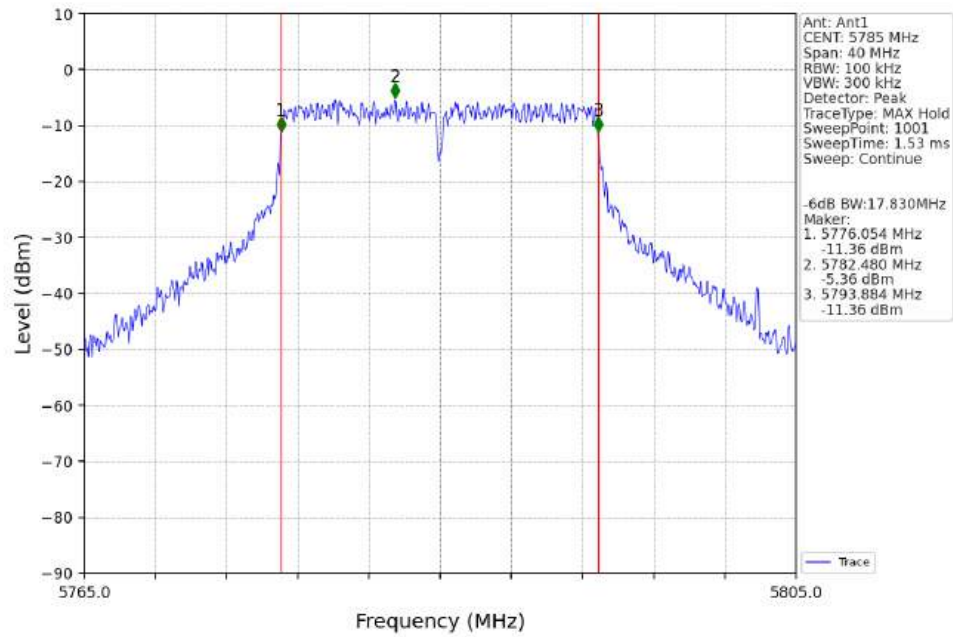
802.11a_HCH_5825MHz_Ant1_NTNV



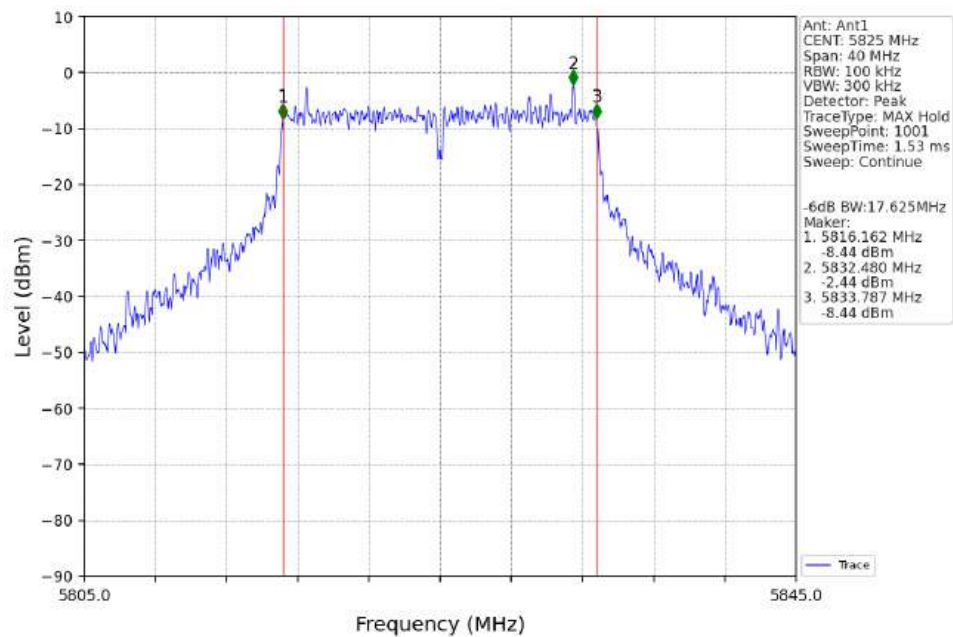
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



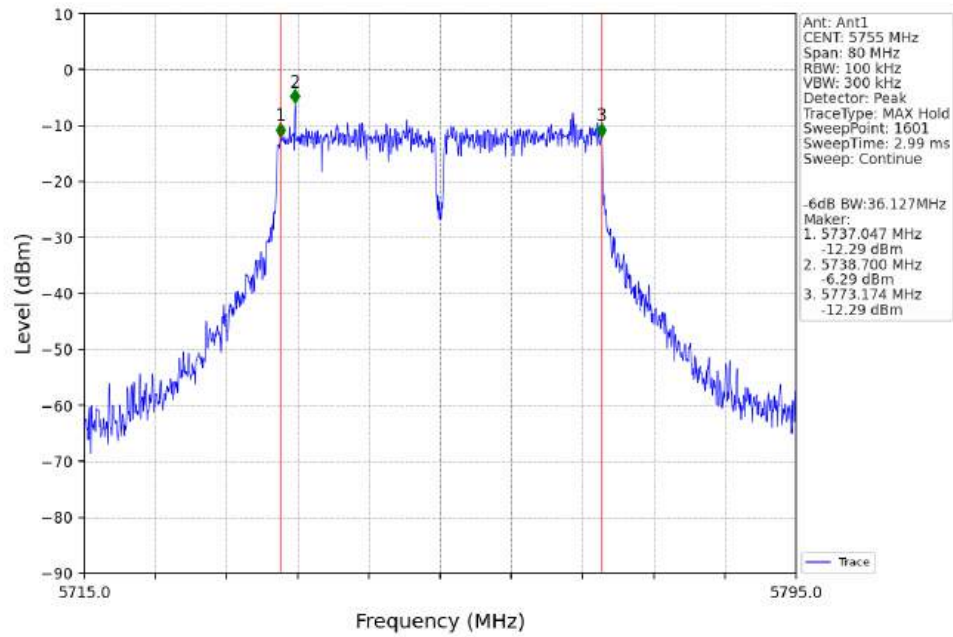
802.11n(HT20) MCH 5785MHz_Ant1_NTNV



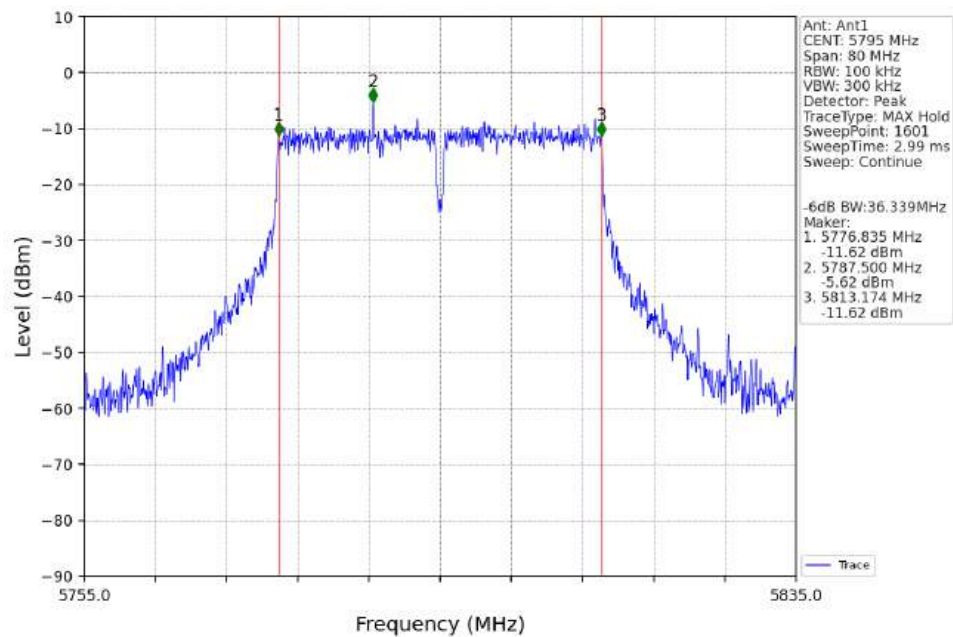
802.11n(HT20) HCH 5825MHz_Ant1_NTNV



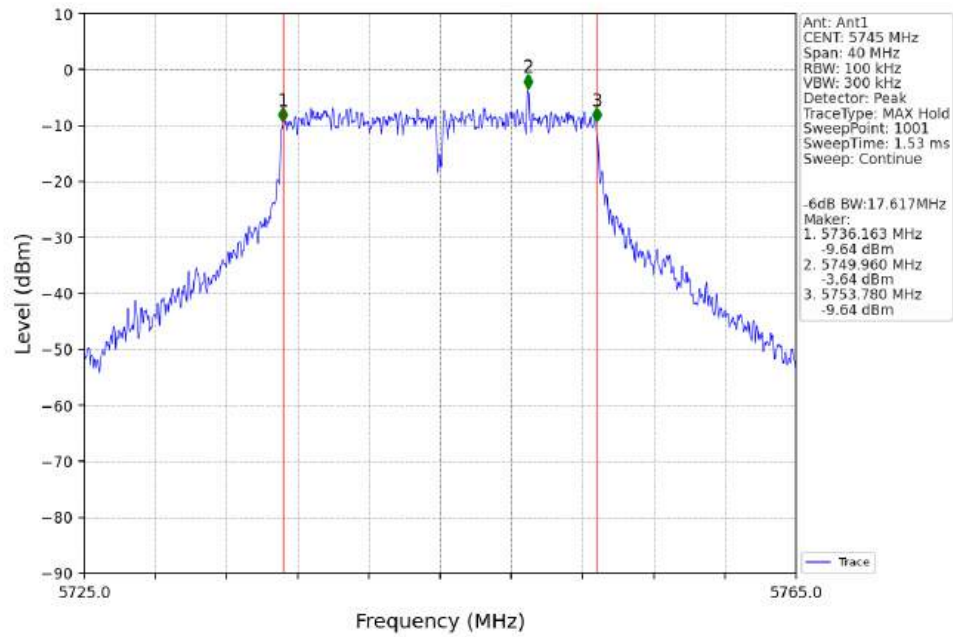
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



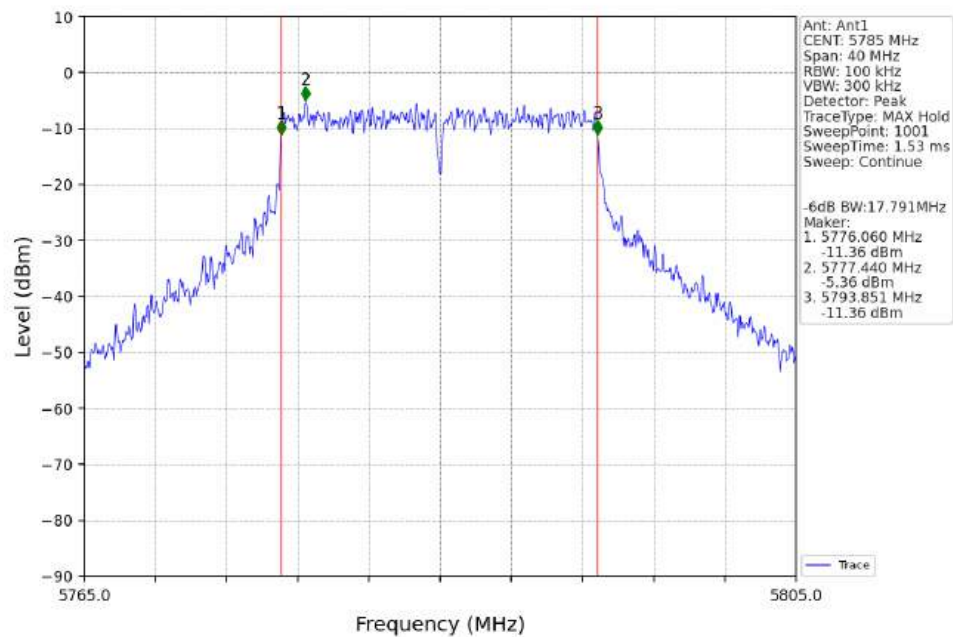
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



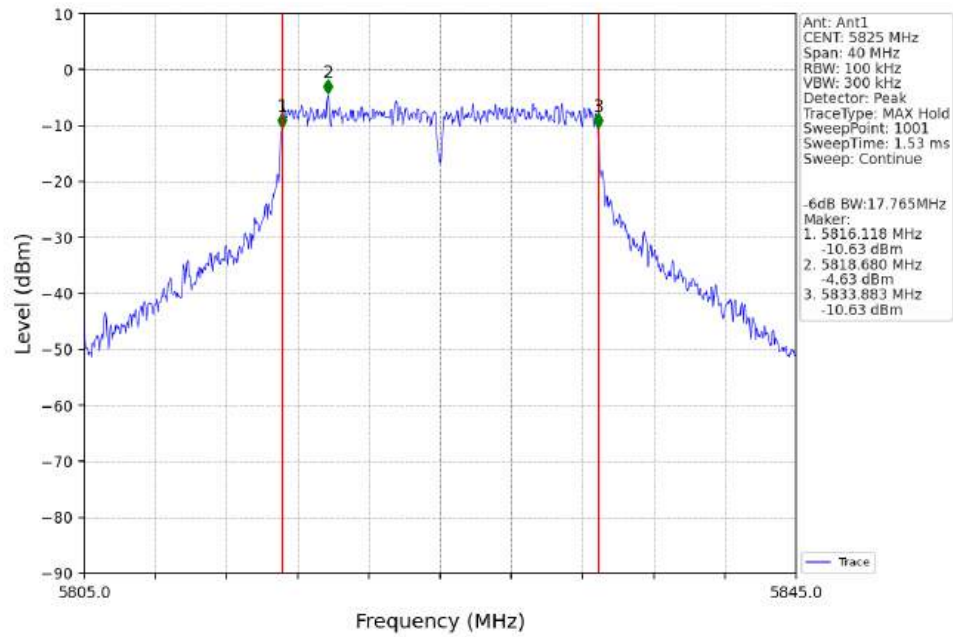
802.11ac(VHT20) LCH 5745MHz_Ant1_NTNV



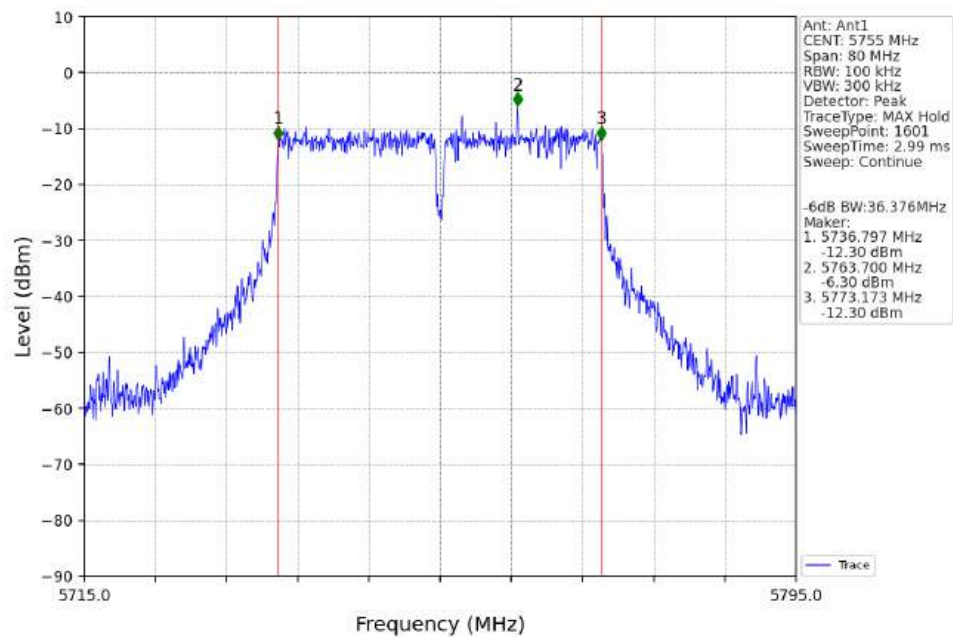
802.11ac(VHT20) MCH 5785MHz_Ant1_NTNV



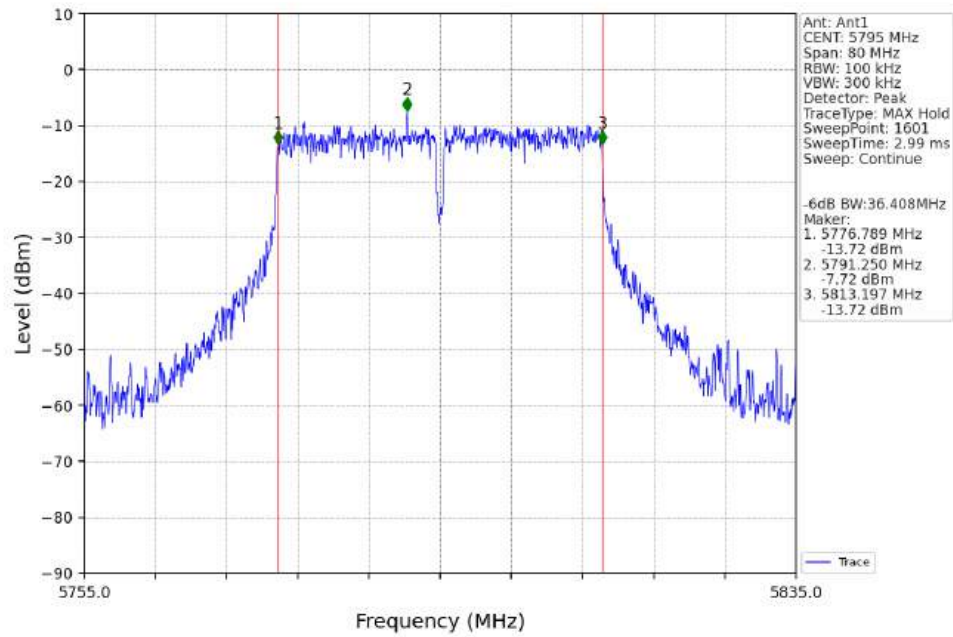
802.11ac(VHT20) HCH 5825MHz_Ant1_NTNV



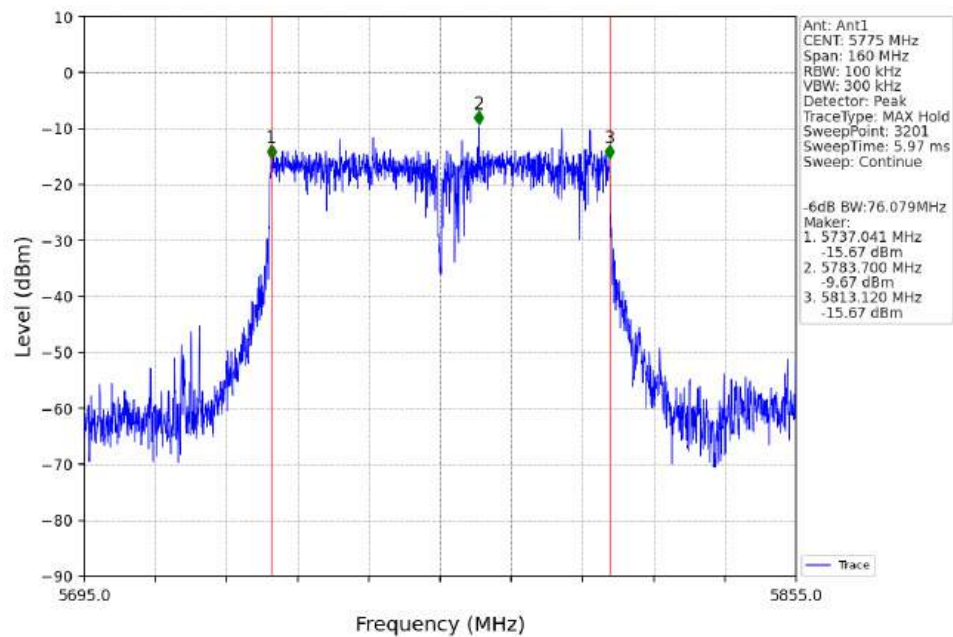
802.11ac(VHT40) LCH 5755MHz_Ant1_NTNV



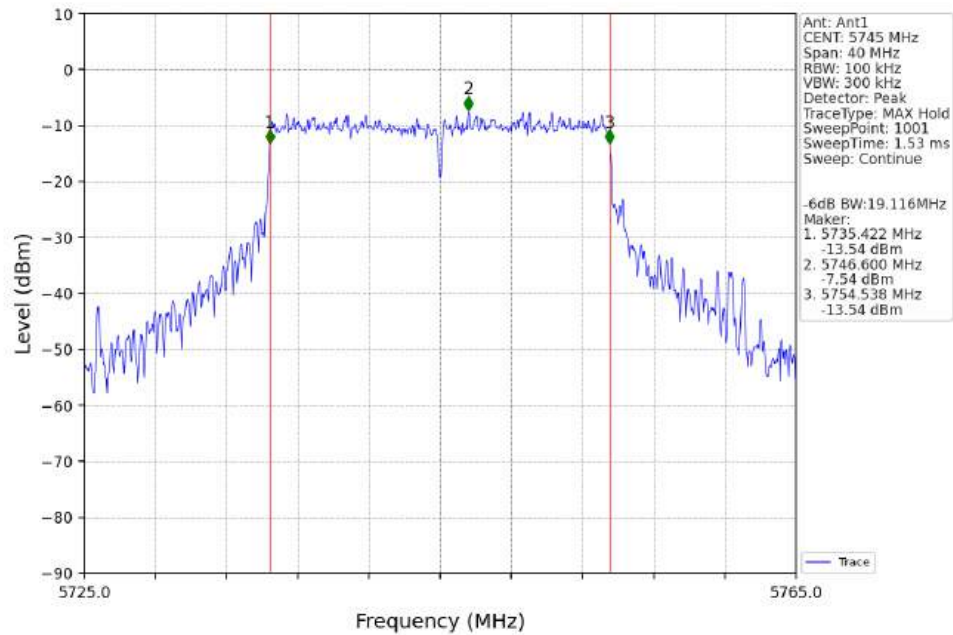
802.11ac(VHT40) HCH 5795MHz_Ant1_NTNV



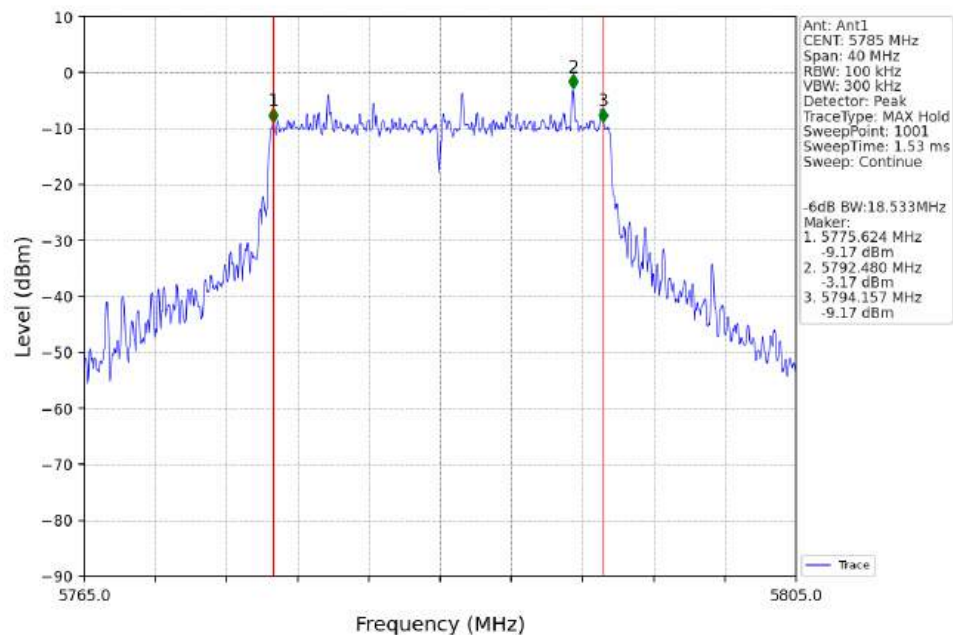
802.11ac(VHT80) MCH 5775MHz_Ant1_NTNV



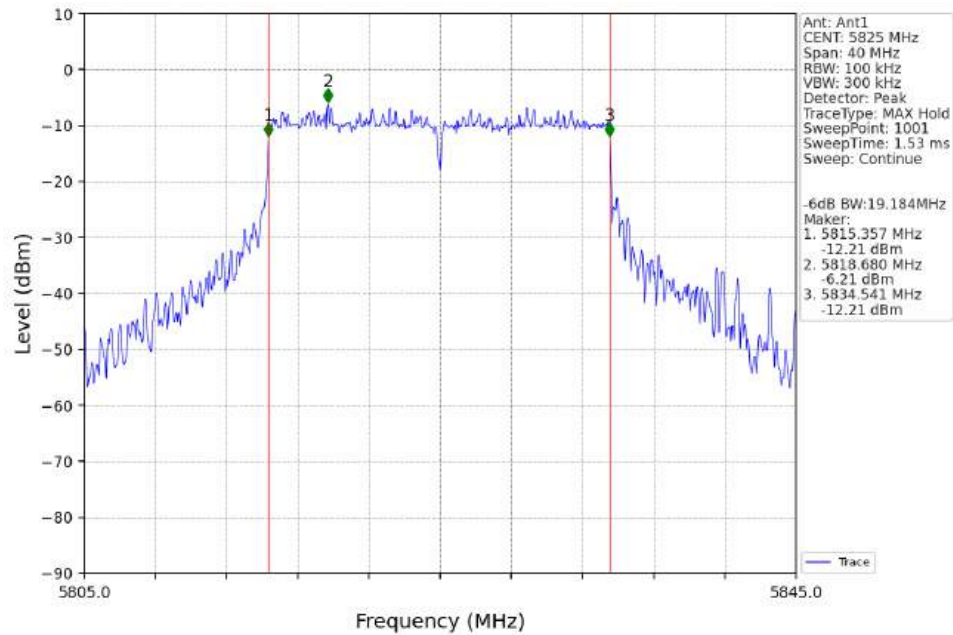
802.11ax(HEW20) LCH_5745MHz_SU / Ant1_NTNV



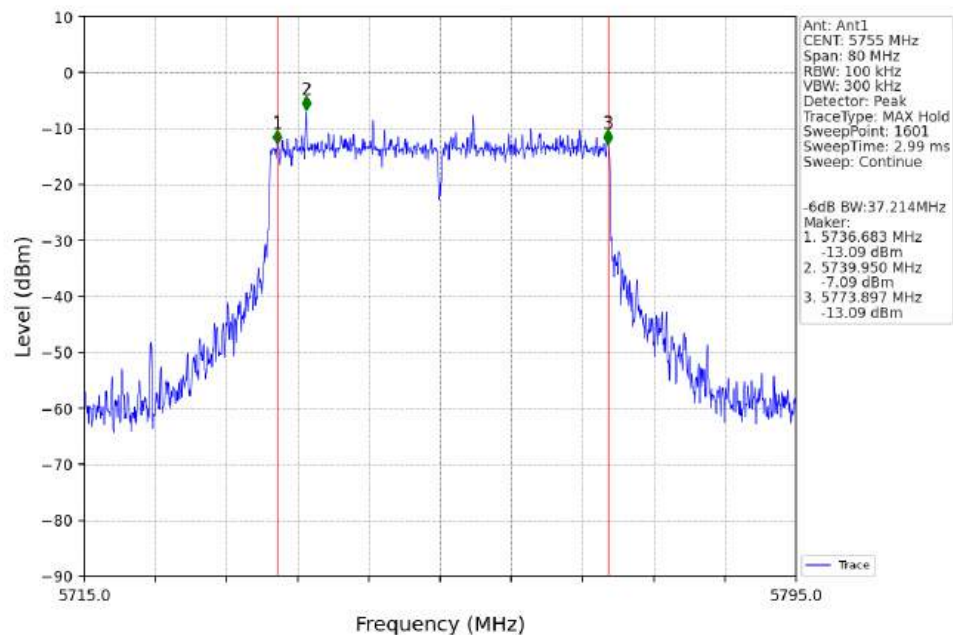
802.11ax(HEW20) MCH_5785MHz_SU / Ant1_NTNV



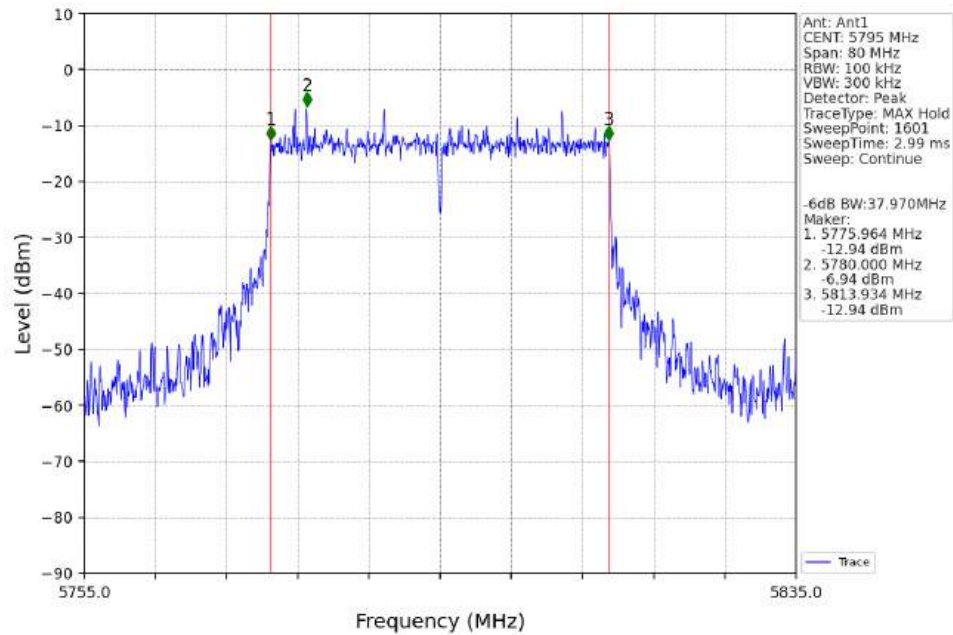
802.11ax(HEW20)_HCH_5825MHz_SU / Ant1_NTNV



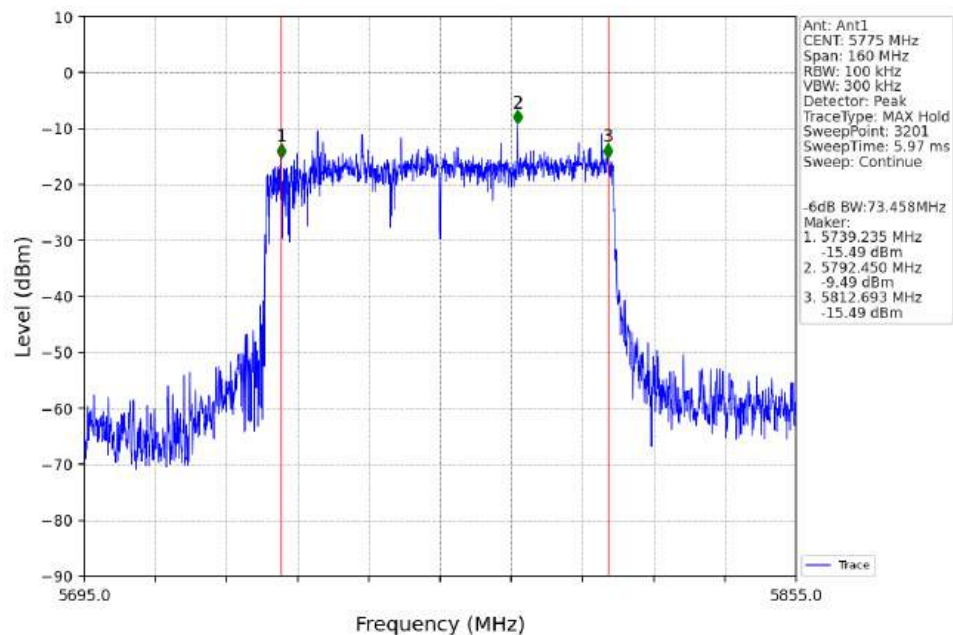
802.11ax(HEW40)_LCH_5755MHz_SU / Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU / Ant1 NTN



802.11ax(HEW80)_MCH_5775MHz_SU / Ant1 NTN



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	6.66	<=23.98	Pass
		5200	/	/	6.50	<=23.98	Pass
		5240	/	/	7.65	<=23.98	Pass
		5745	/	/	7.76	<=30	Pass
		5785	/	/	9.34	<=30	Pass
		5825	/	/	9.56	<=30	Pass
802.11n (HT20)	SISO	5180	/	/	6.62	<=23.98	Pass
		5200	/	/	8.04	<=23.98	Pass
		5240	/	/	8.53	<=23.98	Pass
		5745	/	/	8.83	<=30	Pass
		5785	/	/	9.77	<=30	Pass
		5825	/	/	9.81	<=30	Pass
802.11n (HT40)	SISO	5190	/	/	8.80	<=23.98	Pass
		5230	/	/	7.25	<=23.98	Pass
		5755	/	/	8.09	<=30	Pass
		5795	/	/	9.25	<=30	Pass
802.11ac (VHT20)	SISO	5180	/	/	7.80	<=23.98	Pass
		5200	/	/	8.30	<=23.98	Pass
		5240	/	/	8.35	<=23.98	Pass
		5745	/	/	8.65	<=30	Pass
		5785	/	/	8.61	<=30	Pass
		5825	/	/	8.74	<=30	Pass
802.11ac (VHT40)	SISO	5190	/	/	8.18	<=23.98	Pass
		5230	/	/	6.77	<=23.98	Pass
		5755	/	/	9.13	<=30	Pass
		5795	/	/	7.83	<=30	Pass
802.11ac (VHT80)	SISO	5210	/	/	7.34	<=23.98	Pass
		5775	/	/	7.09	<=30	Pass
802.11ax (HEW20)	SISO	5180	SU	/	6.77	<=23.98	Pass
		5200	SU	/	6.36	<=23.98	Pass
		5240	SU	/	7.15	<=23.98	Pass
		5745	SU	/	7.90	<=30	Pass
		5785	SU	/	7.75	<=30	Pass
		5825	SU	/	8.84	<=30	Pass
802.11ax (HEW40)	SISO	5190	SU	/	7.33	<=23.98	Pass
		5230	SU	/	7.70	<=23.98	Pass
		5755	SU	/	6.85	<=30	Pass
		5795	SU	/	8.09	<=30	Pass
802.11ax (HEW80)	SISO	5210	SU	/	7.95	<=23.98	Pass
		5775	SU	/	7.83	<=30	Pass

Note1: Antenna Gain: 2.98dBi;
Note2: Test result contains DCCF

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	-4.95	<=11	Pass
		5200	/	/	-2.92	<=11	Pass
		5240	/	/	-3.11	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	-3.48	<=11	Pass
		5200	/	/	-3.53	<=11	Pass
		5240	/	/	-2.61	<=11	Pass
802.11n (HT40)	SISO	5190	/	/	-4.50	<=11	Pass
		5230	/	/	-6.18	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	-5.22	<=11	Pass
		5200	/	/	-2.76	<=11	Pass
		5240	/	/	-1.47	<=11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-6.92	<=11	Pass
		5230	/	/	-5.60	<=11	Pass
802.11ac (VHT80)	SISO	5210	/	/	-11.19	<=11	Pass
802.11ax (HEW20)	SISO	5180	SU	/	-3.53	<=11	Pass
		5200	SU	/	-4.17	<=11	Pass
		5240	SU	/	-3.24	<=11	Pass
802.11ax (HEW40)	SISO	5190	SU	/	-5.72	<=11	Pass
		5230	SU	/	-7.37	<=11	Pass
802.11ax (HEW80)	SISO	5210	SU	/	-7.01	<=11	Pass

Note1: Antenna Gain: 2.98dBi;
Note2: Test result contains DCCF

4.1.2 PSD-Band3

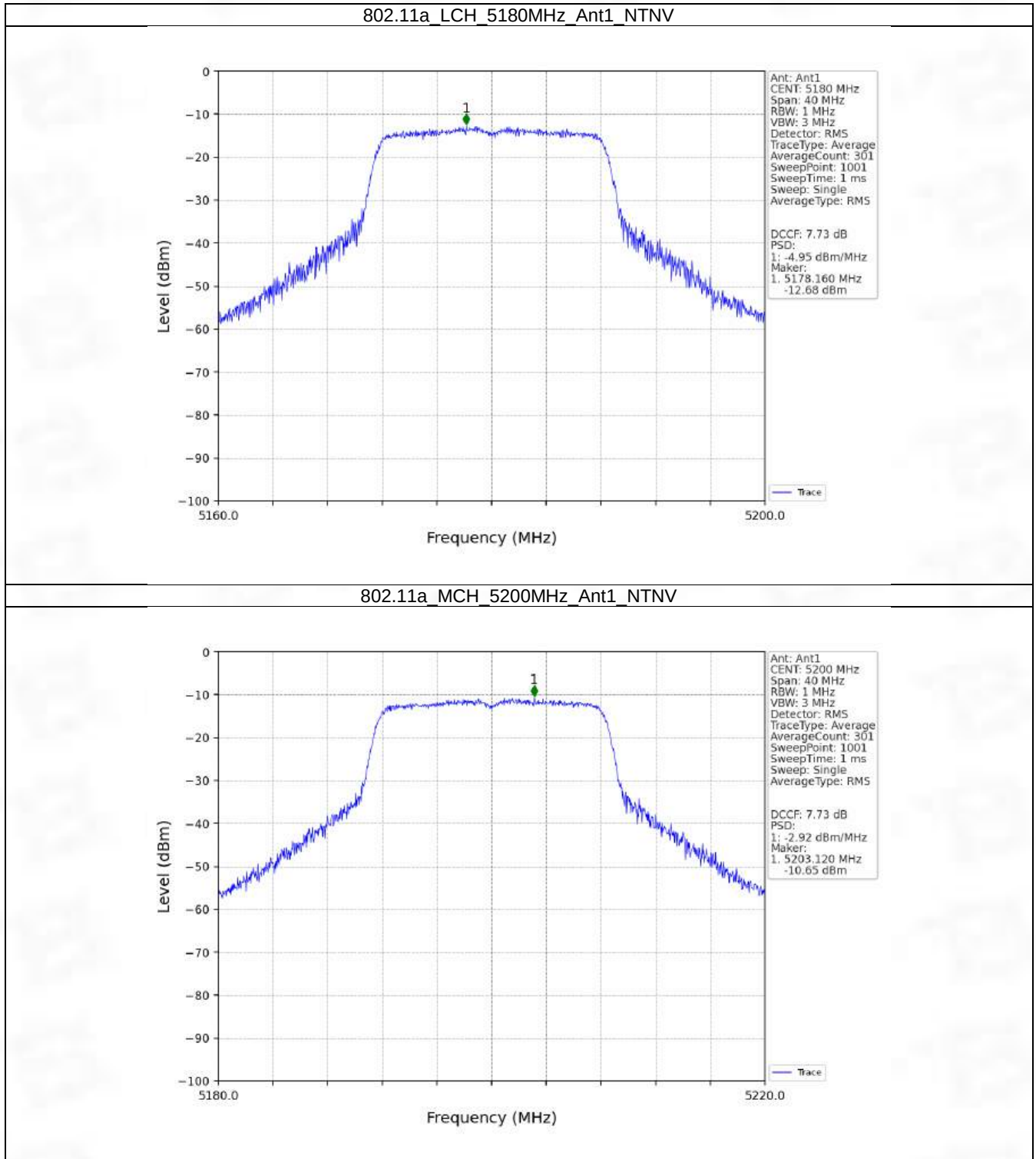
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-5.51	<=30	Pass
		5785	/	/	-4.55	<=30	Pass
		5825	/	/	-4.82	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-5.39	<=30	Pass
		5785	/	/	-4.44	<=30	Pass
		5825	/	/	-4.02	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-7.08	<=30	Pass
		5795	/	/	-7.75	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-4.91	<=30	Pass
		5785	/	/	-5.09	<=30	Pass
		5825	/	/	-4.54	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-8.20	<=30	Pass
		5795	/	/	-8.70	<=30	Pass
802.11ac (VHT80)	SISO	5775	/	/	-11.02	<=30	Pass
802.11ax (HEW20)	SISO	5745	SU	/	-6.59	<=30	Pass
		5785	SU	/	-5.26	<=30	Pass
		5825	SU	/	-5.10	<=30	Pass

802.11ax (HEW40)	SISO	5755	SU	/	-8.96	<=30	Pass
		5795	SU	/	-7.58	<=30	Pass
802.11ax (HEW80)	SISO	5775	SU	/	-9.41	<=30	Pass

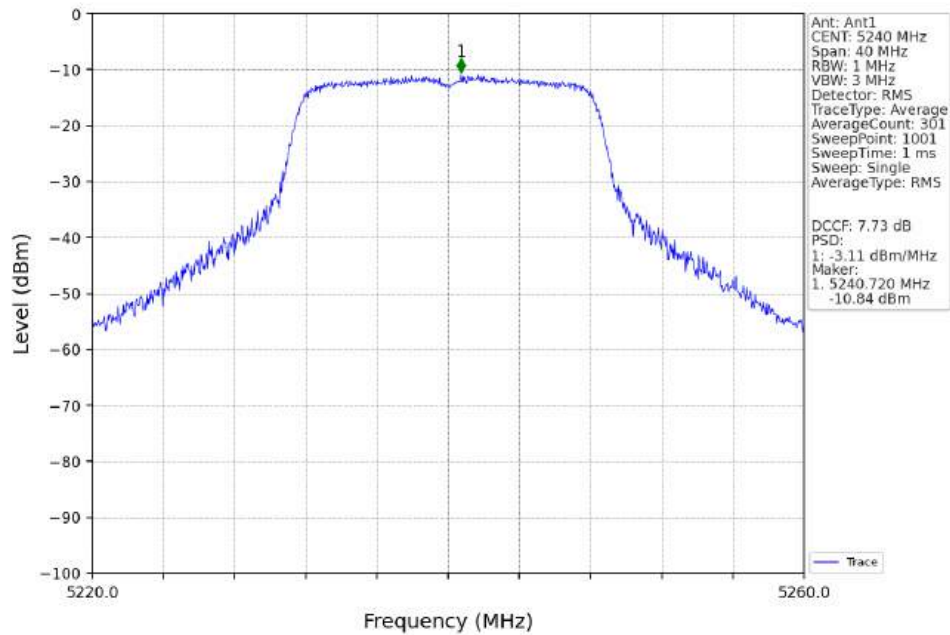
Note1: Antenna Gain: 2.98dBi;
Note2: Test result contains DCCF and RBW Factor= $10 \cdot \log(500\text{kHz}/300\text{kHz}=2.22)$

4.2 Test Graph

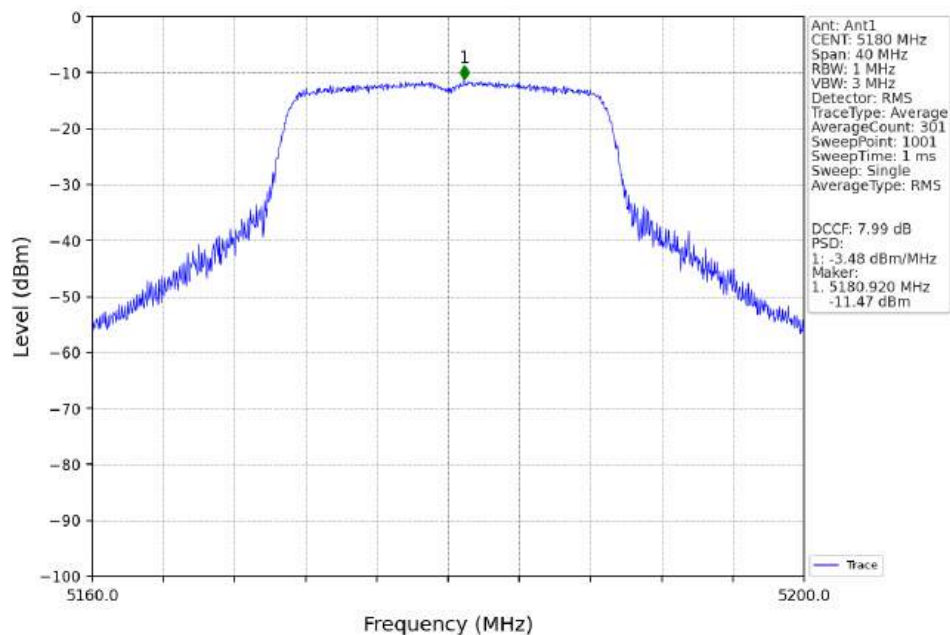
4.2.1 PSD



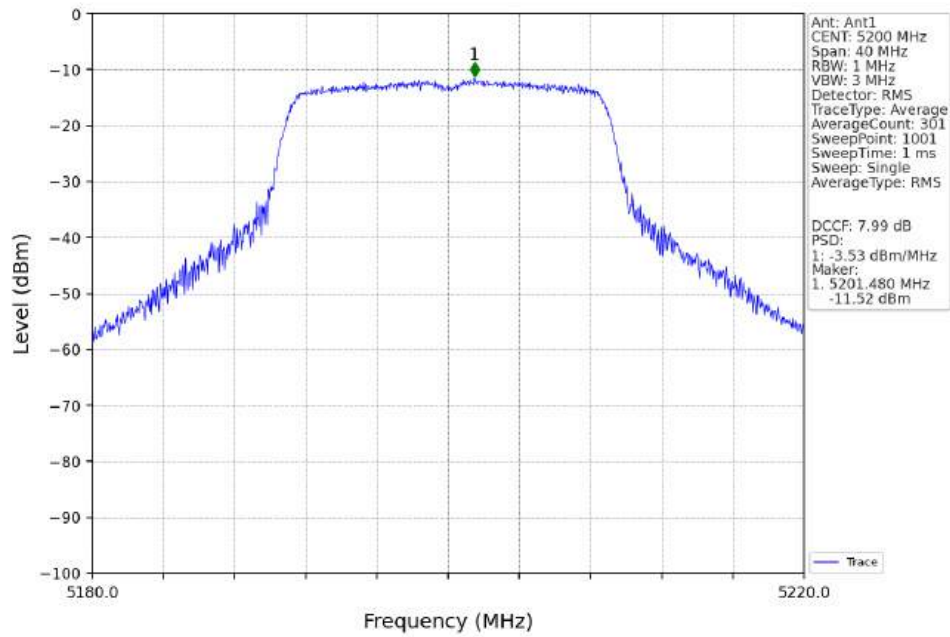
802.11a_HCH_5240MHz_Ant1_NTNV



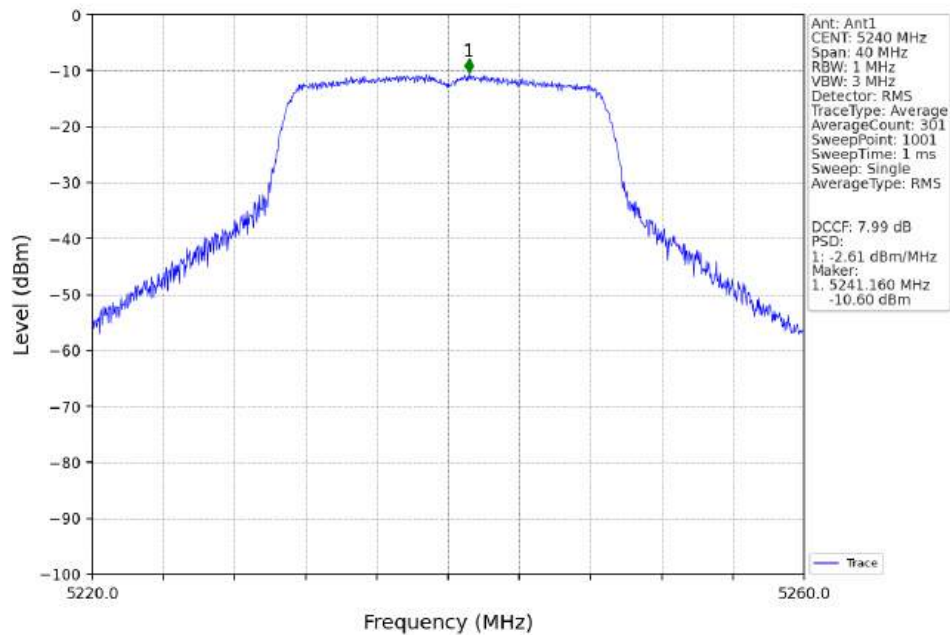
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



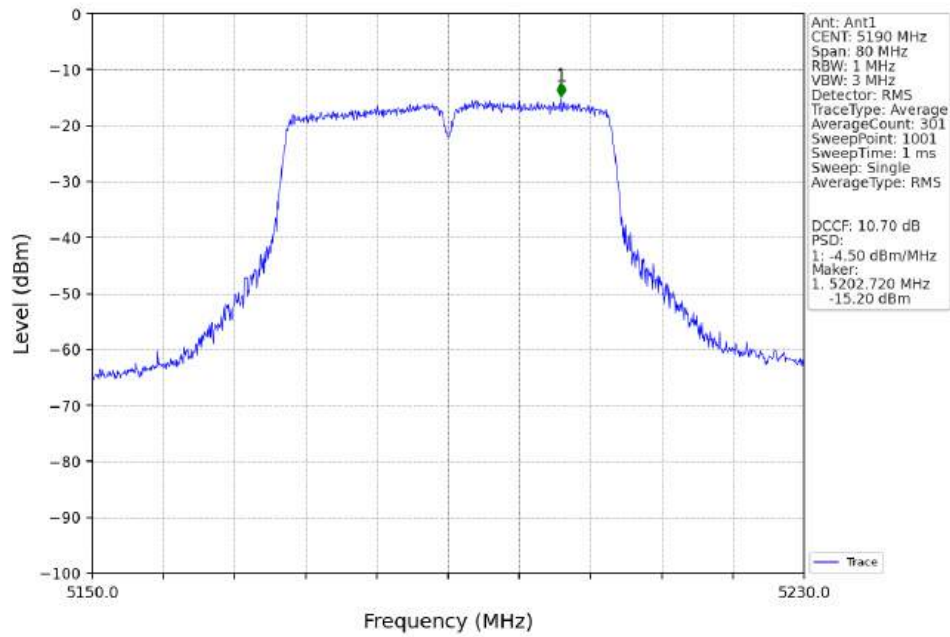
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



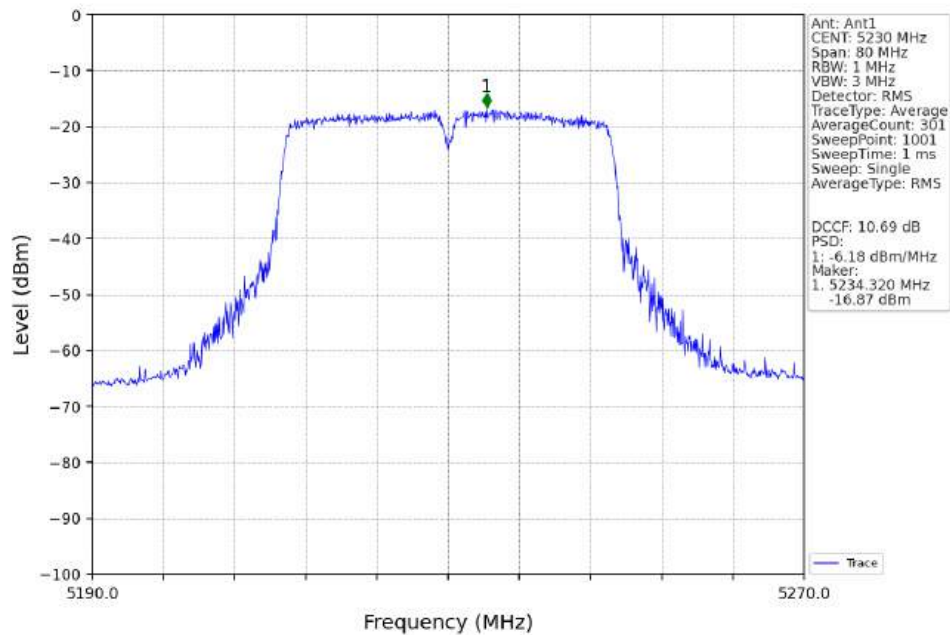
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



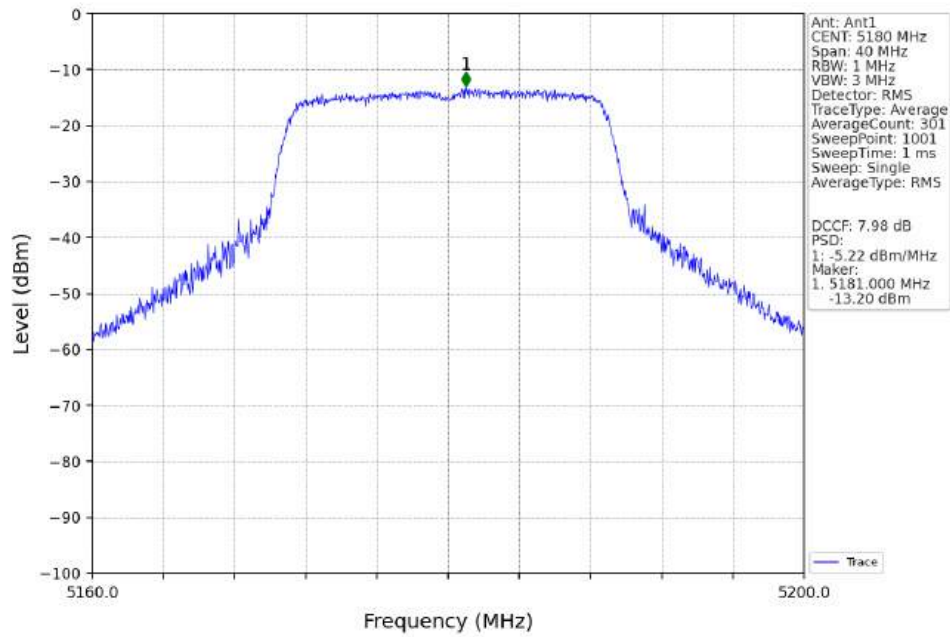
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



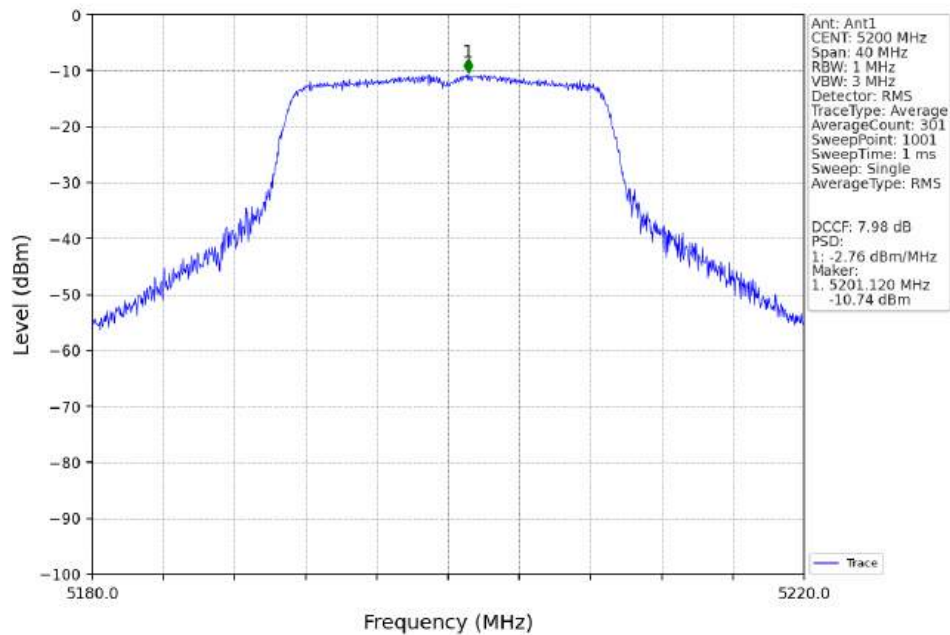
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



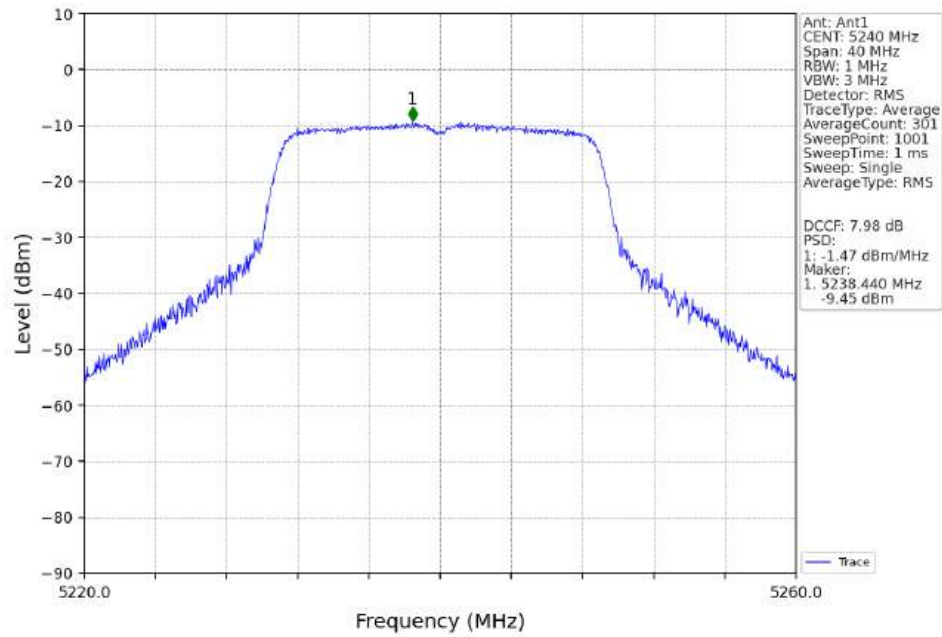
802.11ac(VHT20) LCH 5180MHz_Ant1_NTNV



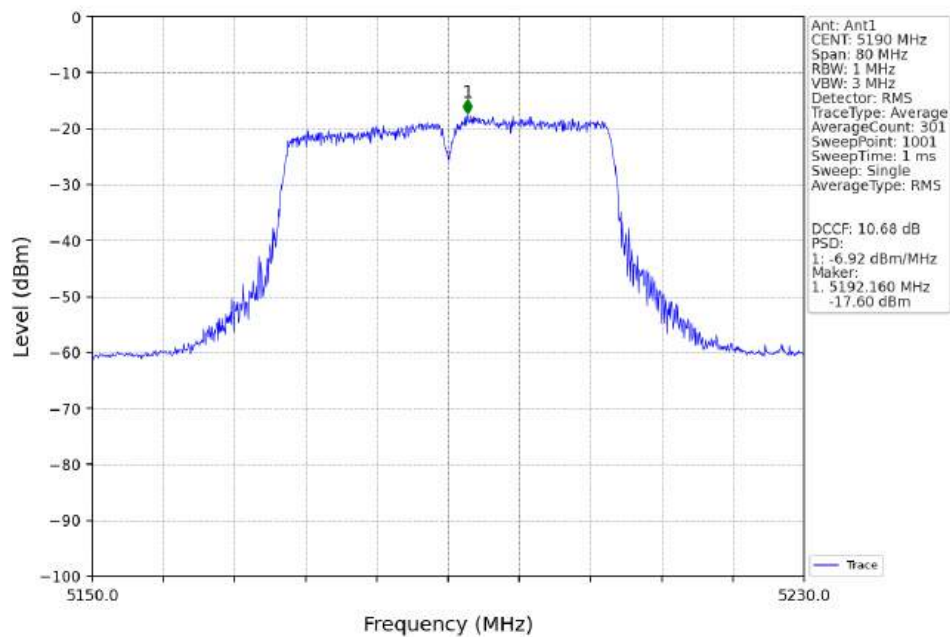
802.11ac(VHT20) MCH 5200MHz_Ant1_NTNV



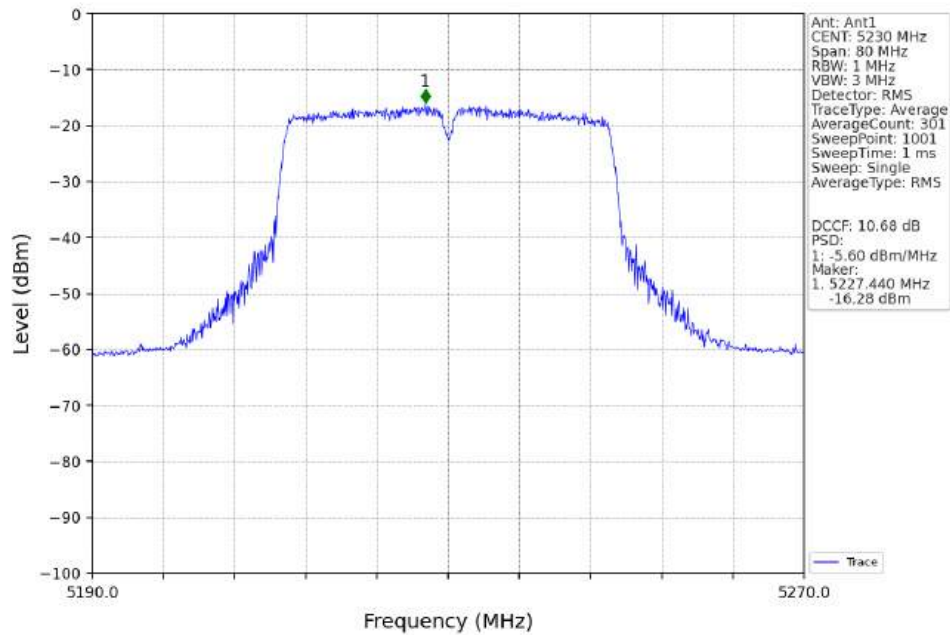
802.11ac(VHT20) HCH 5240MHz_Ant1_NTNV



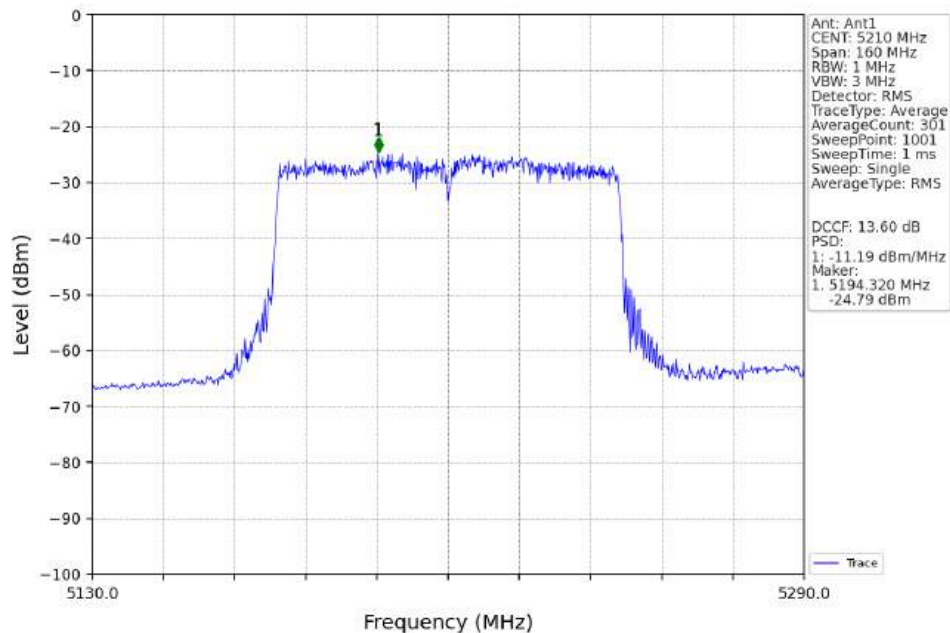
802.11ac(VHT40) LCH 5190MHz_Ant1_NTNV



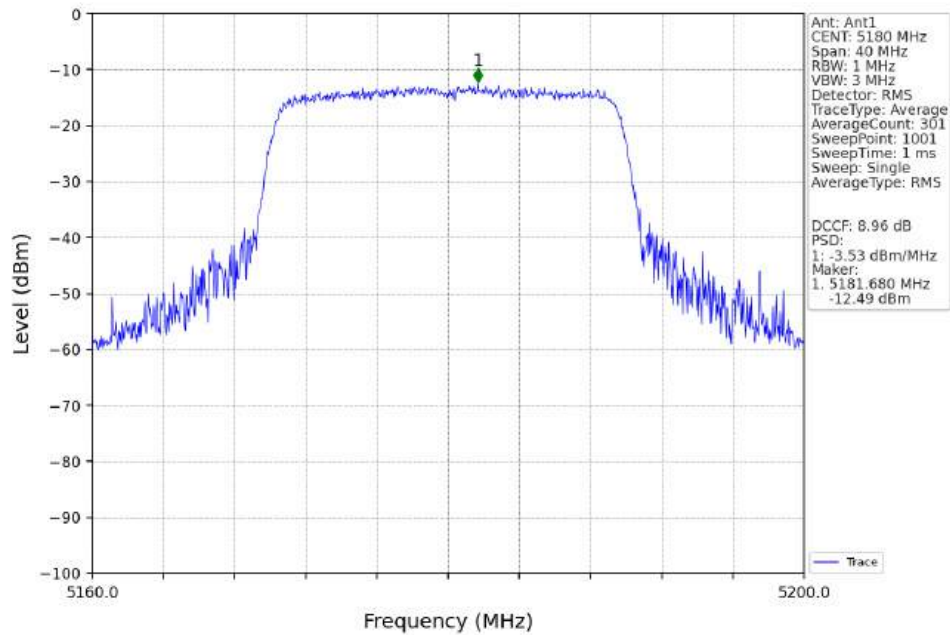
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



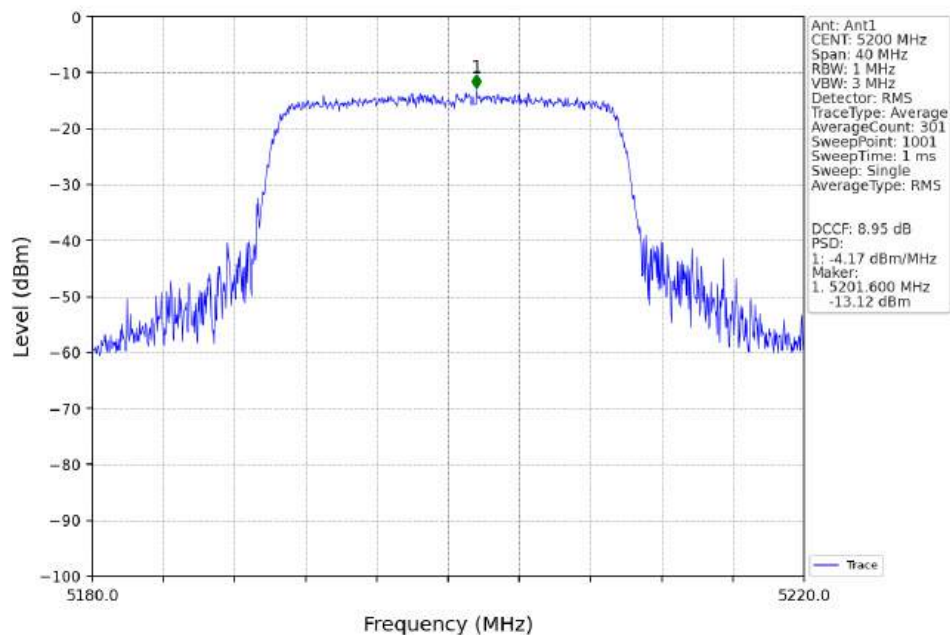
802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



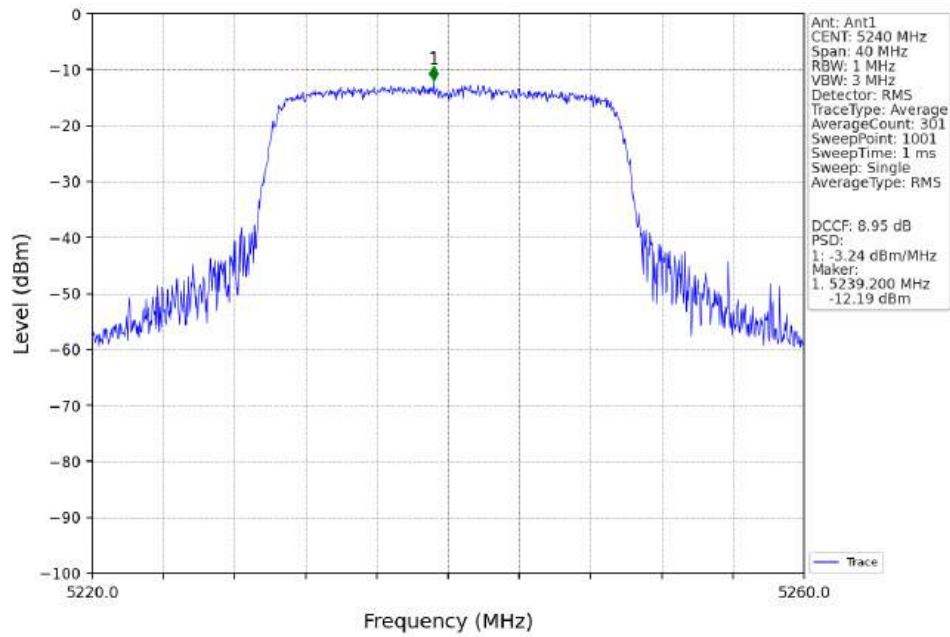
802.11ax(HEW20) LCH 5180MHz SU / Ant1 NTN



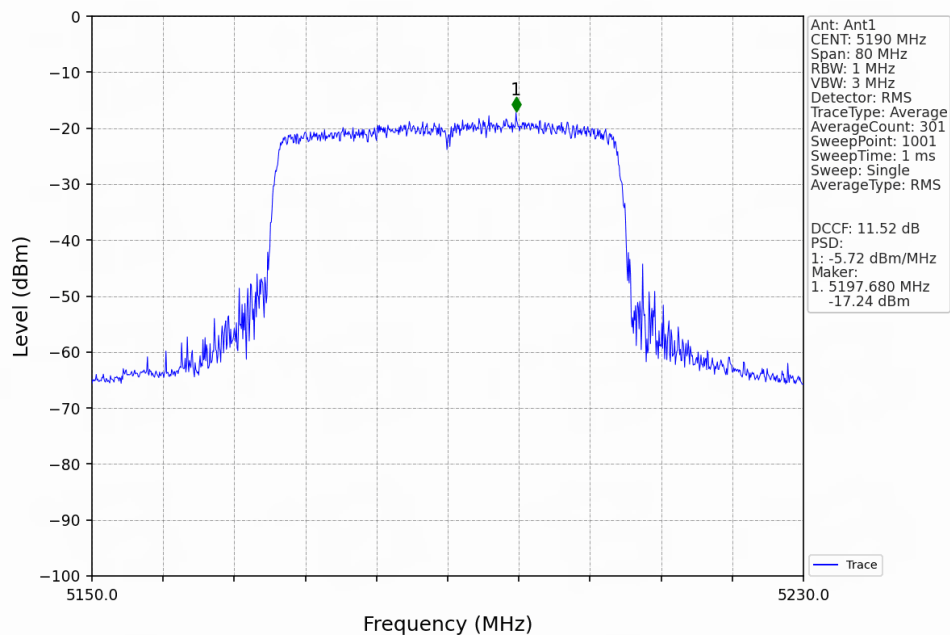
802.11ax(HEW20) MCH 5200MHz SU / Ant1 NTN



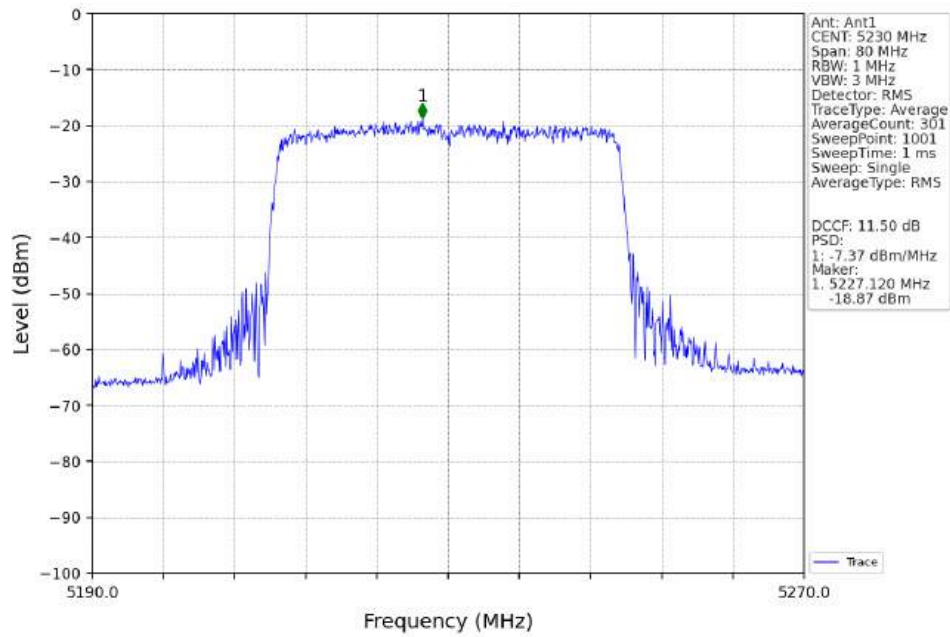
802.11ax(HEW20) HCH 5240MHz SU / Ant1 NTNV



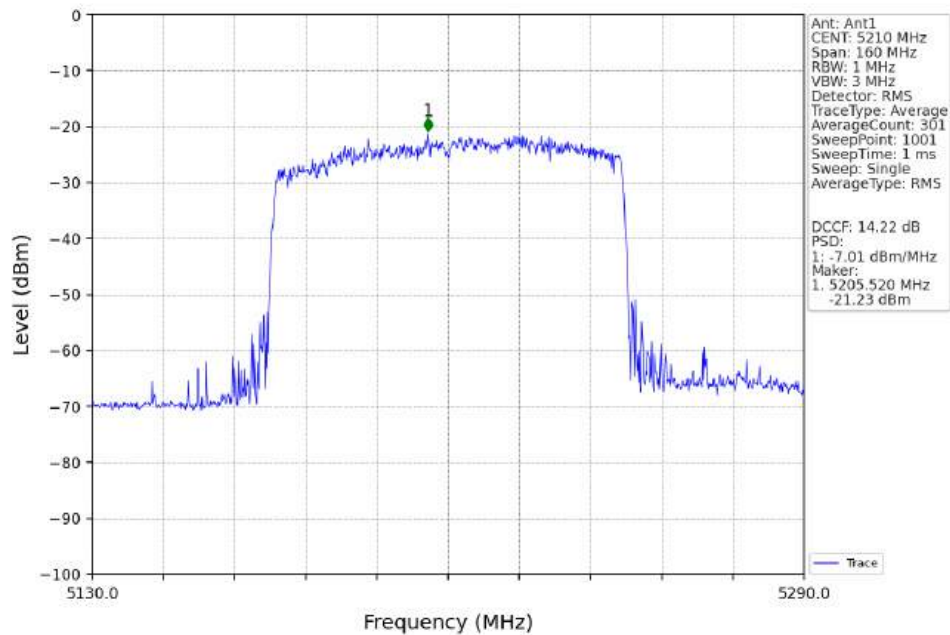
802.11ax(HEW40) LCH 5190MHz SU / Ant1 NTNV



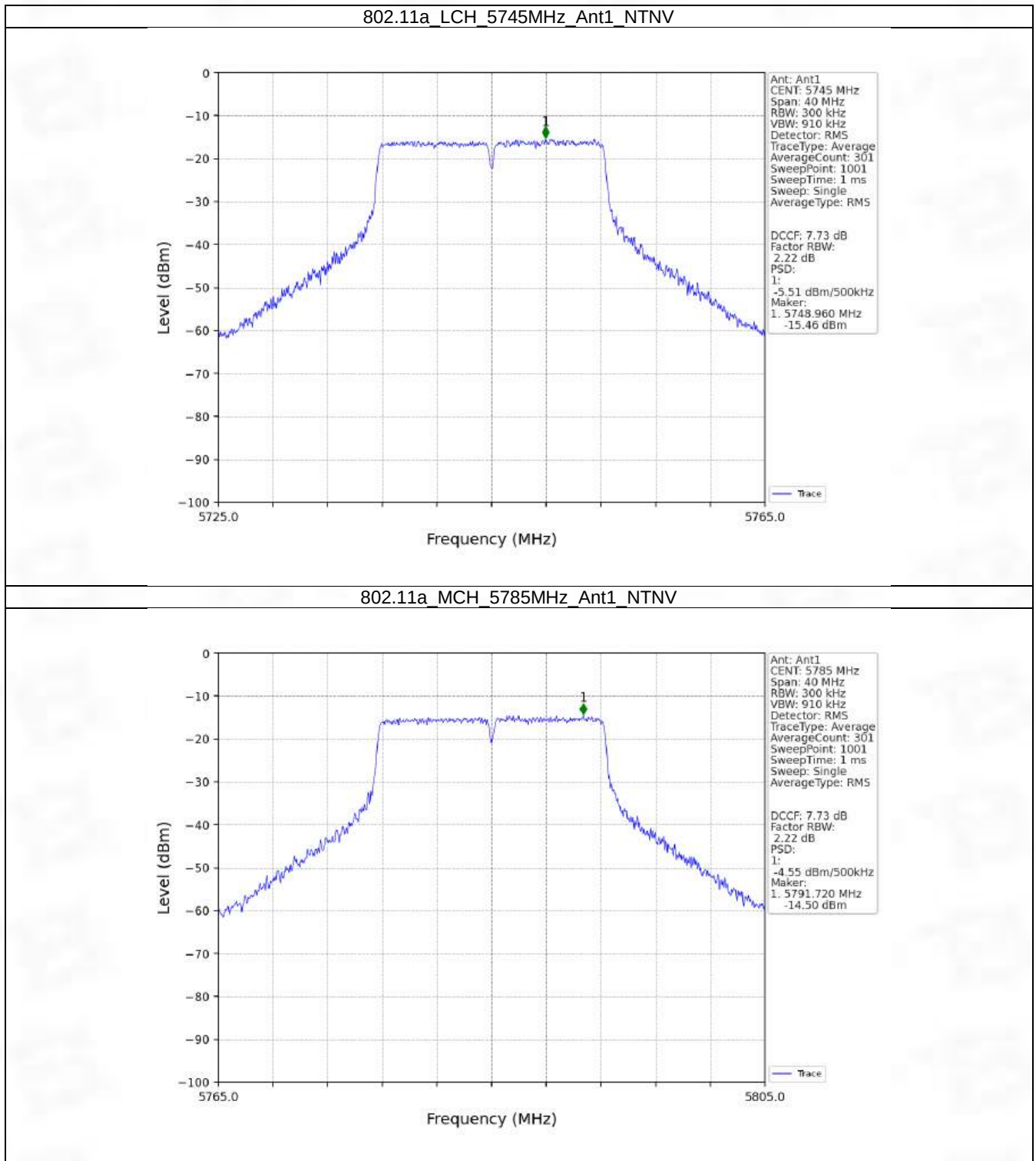
802.11ax(HEW40)_HCH_5230MHz_SU / Ant1_NTNV



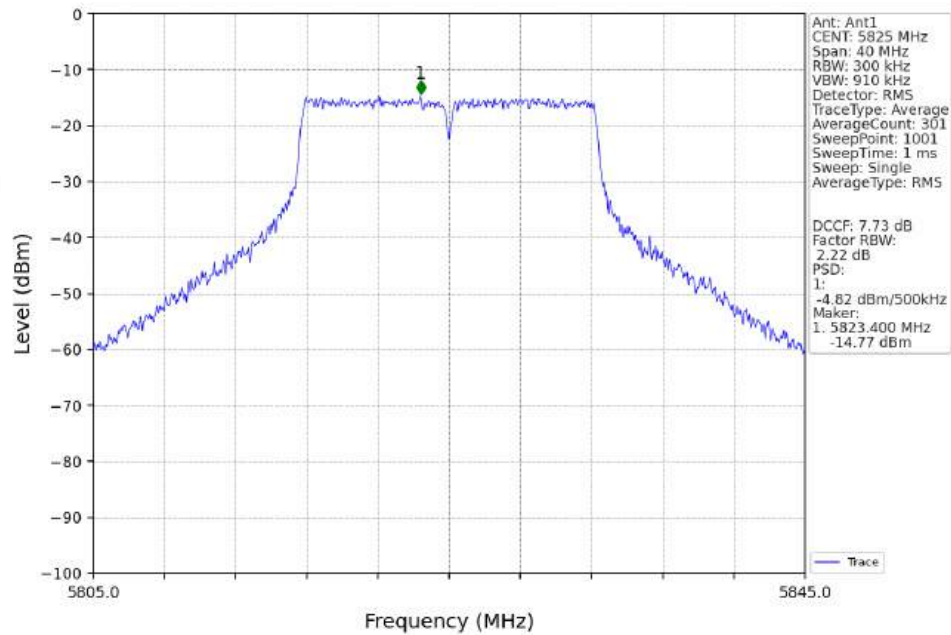
802.11ax(HEW80)_MCH_5210MHz_SU / Ant1_NTNV



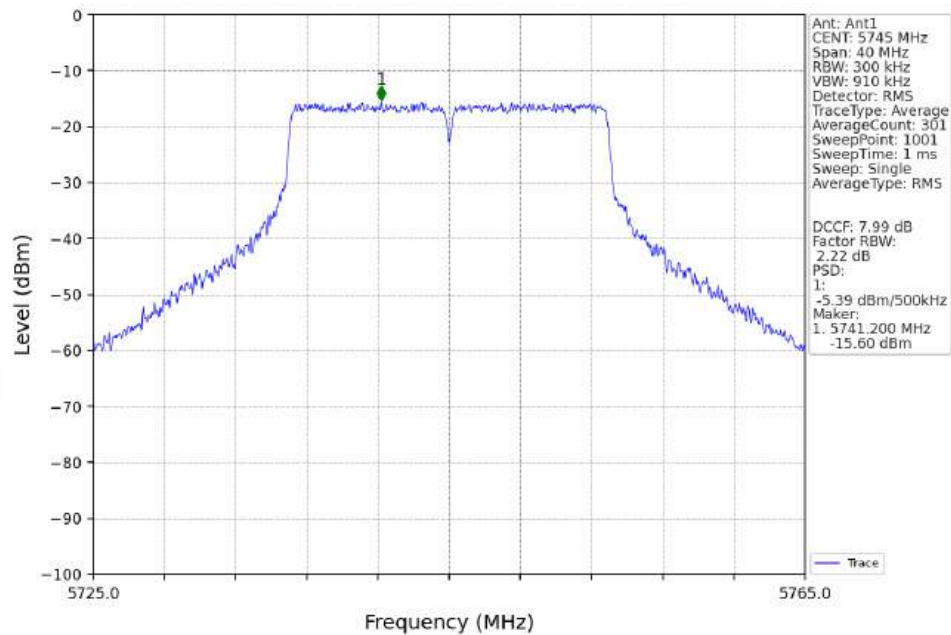
4.2.2 PSD-Band3



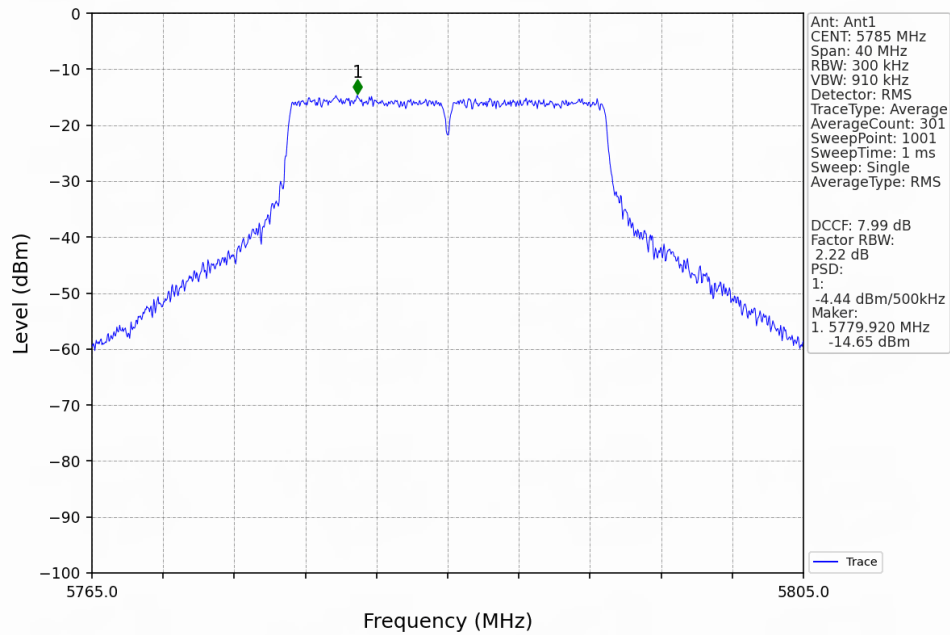
802.11a_HCH_5825MHz_Ant1_NTNV



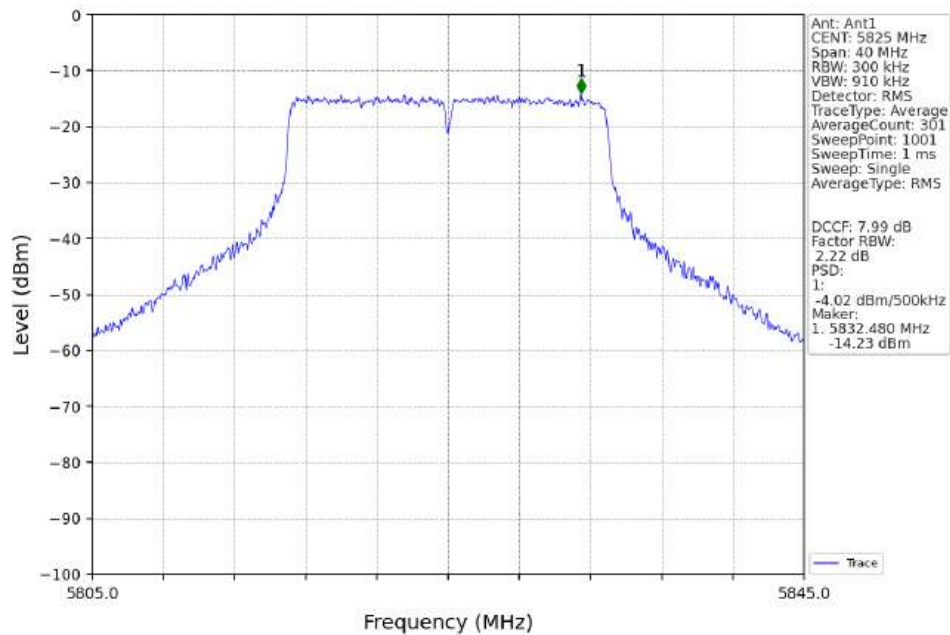
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



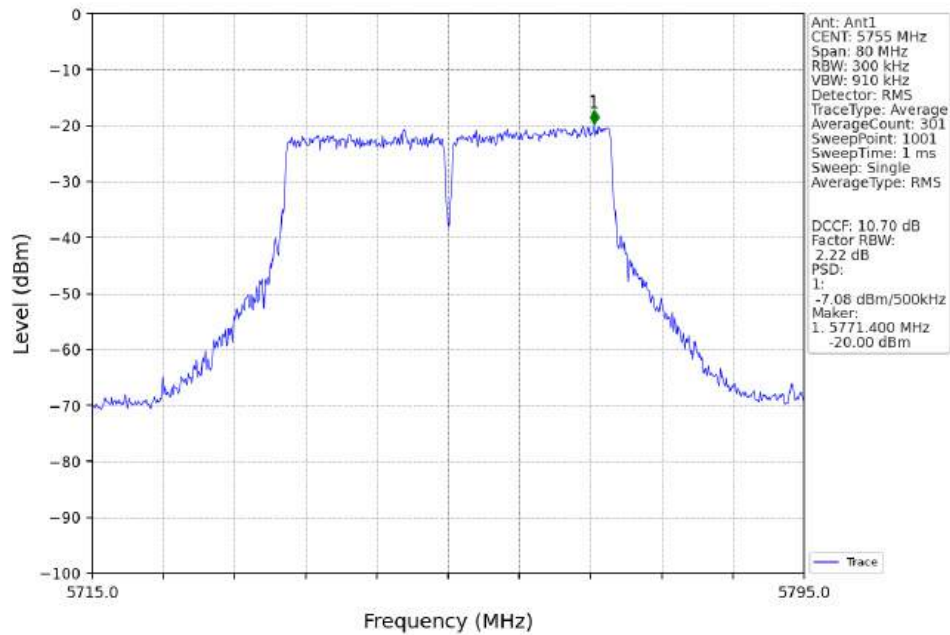
802.11n(HT20) MCH 5785MHz_Ant1_NTNV



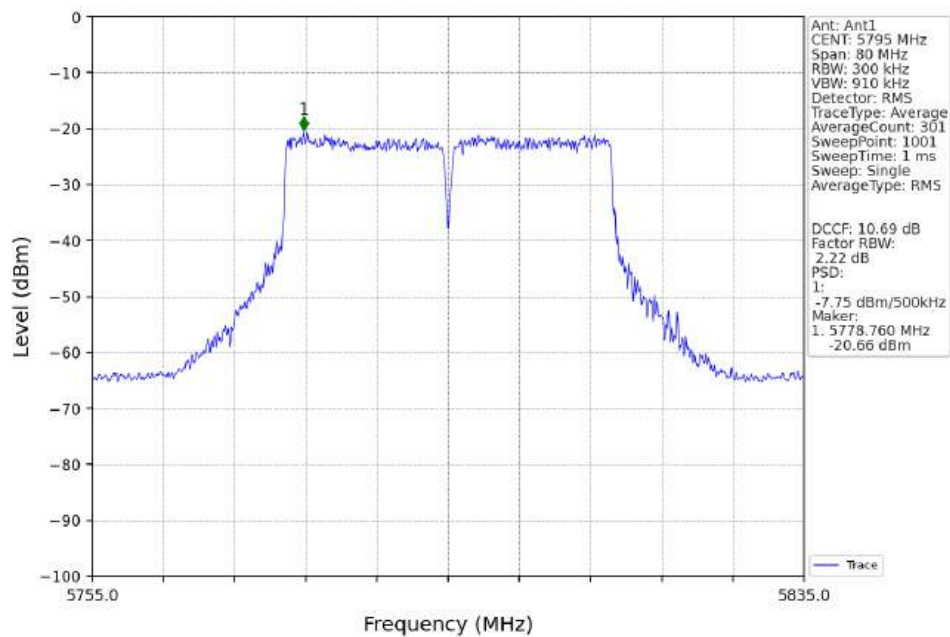
802.11n(HT20) HCH 5825MHz_Ant1_NTNV



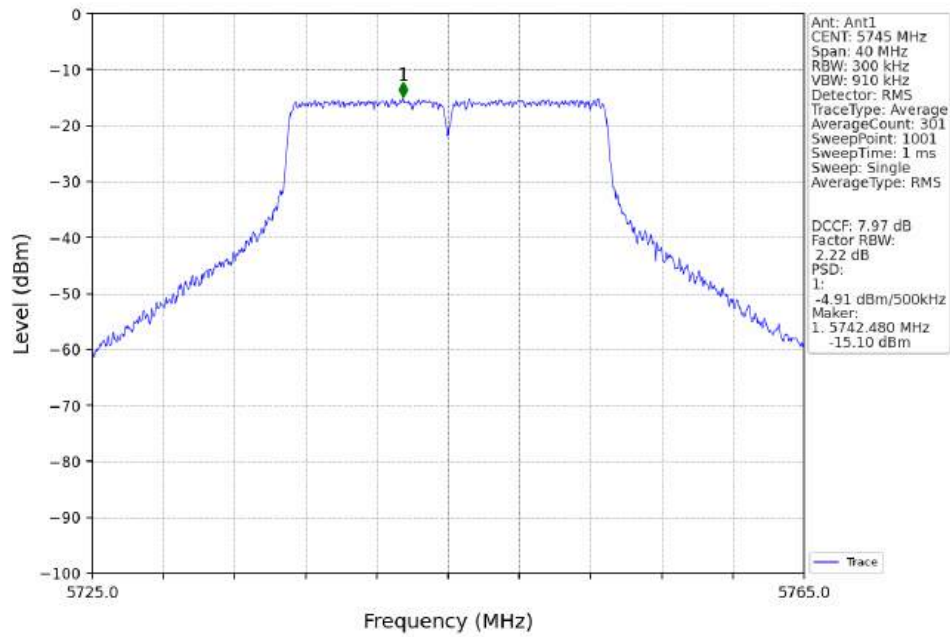
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



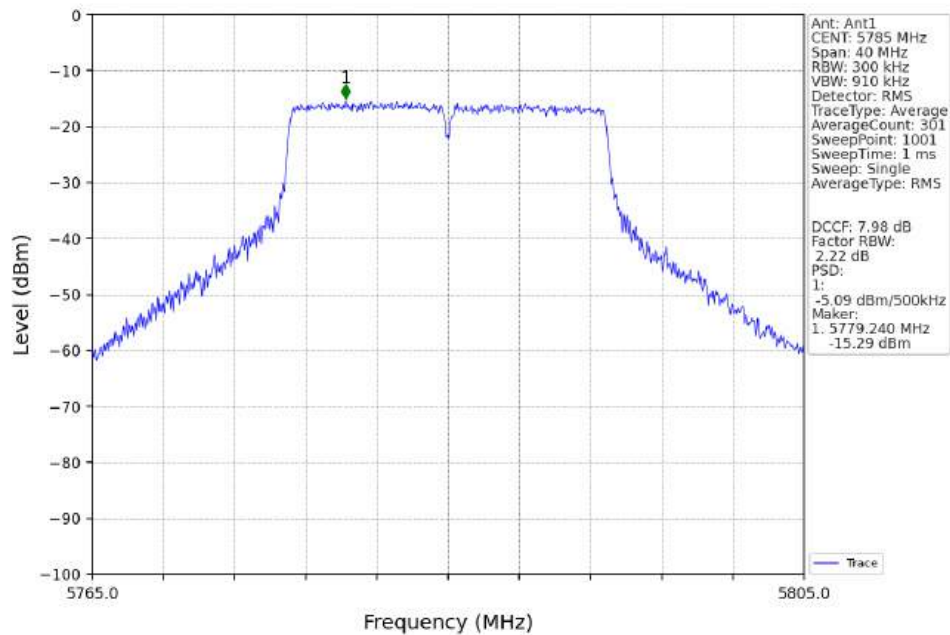
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



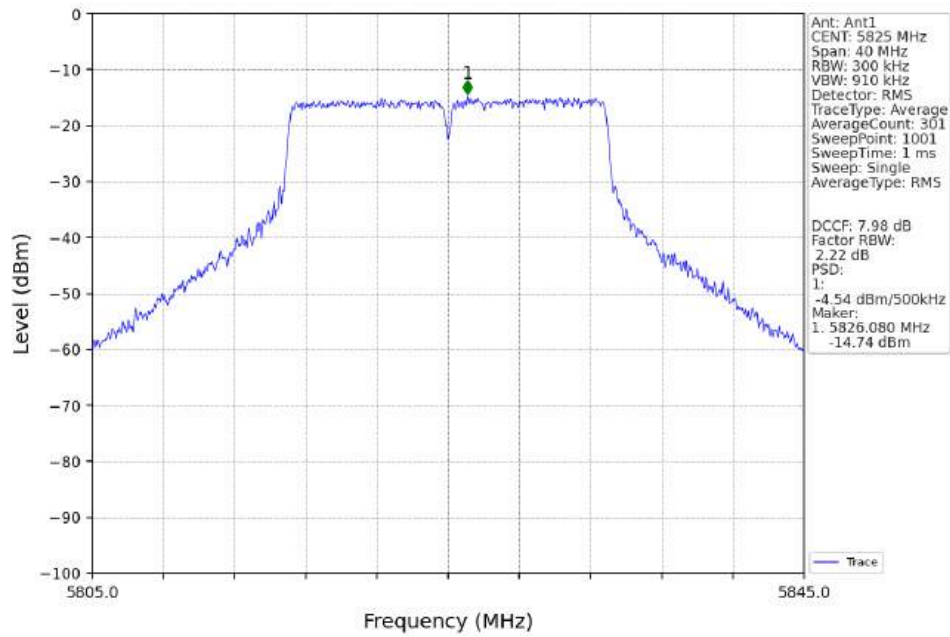
802.11ac(VHT20) LCH 5745MHz_Ant1_NTNV



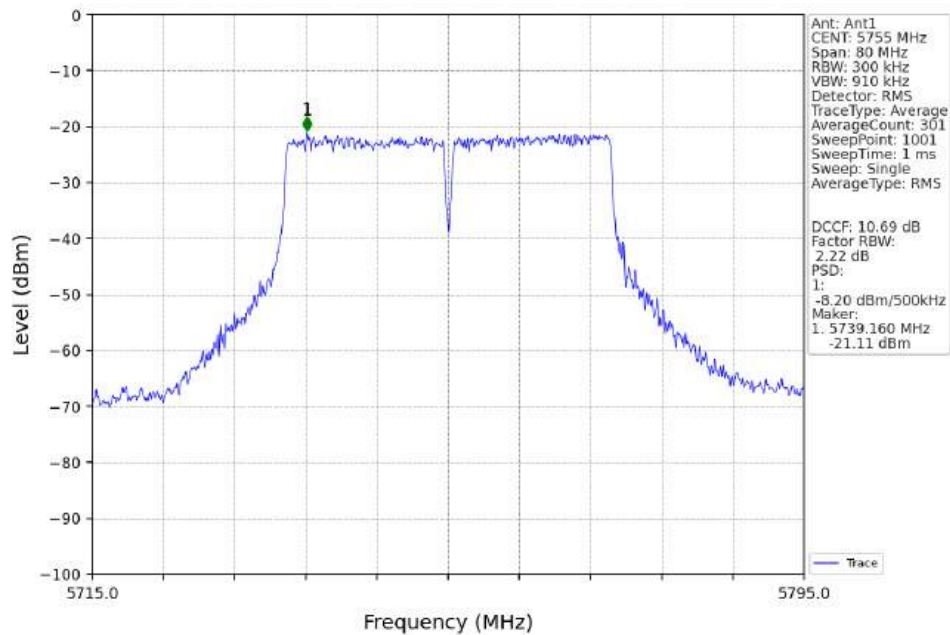
802.11ac(VHT20) MCH 5785MHz_Ant1_NTNV



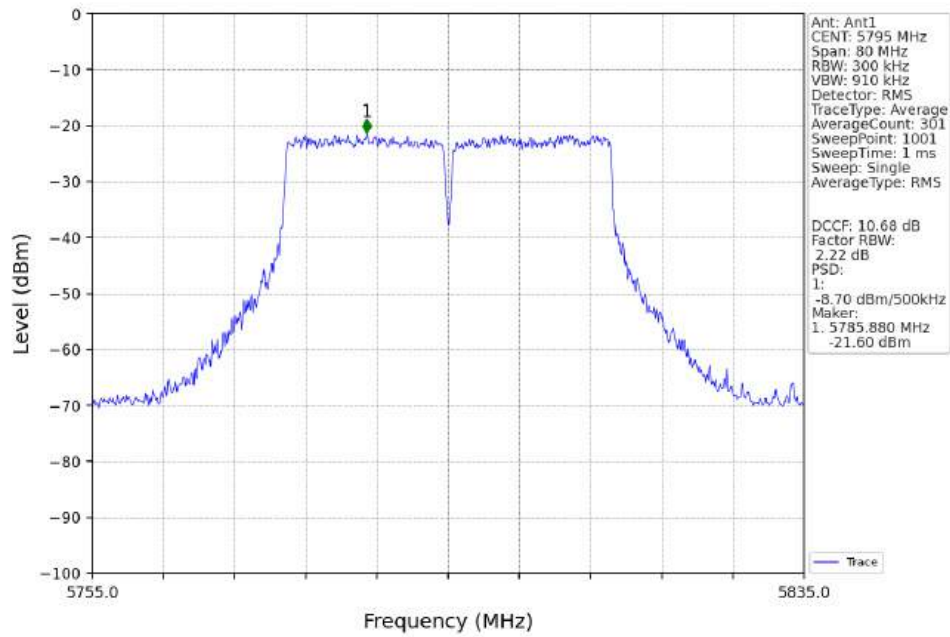
802.11ac(VHT20) HCH 5825MHz_Ant1_NTNV



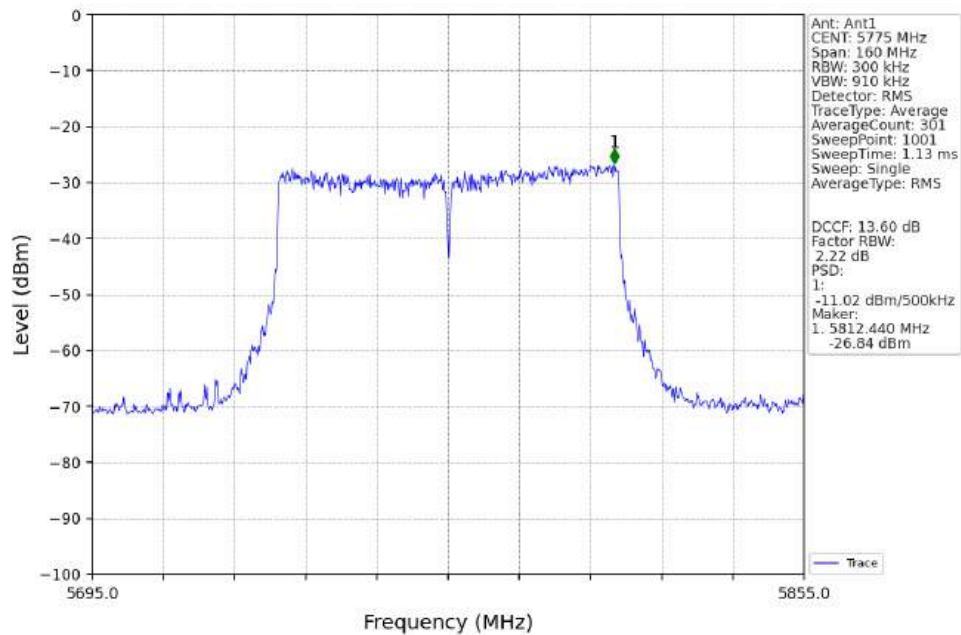
802.11ac(VHT40) LCH 5755MHz_Ant1_NTNV



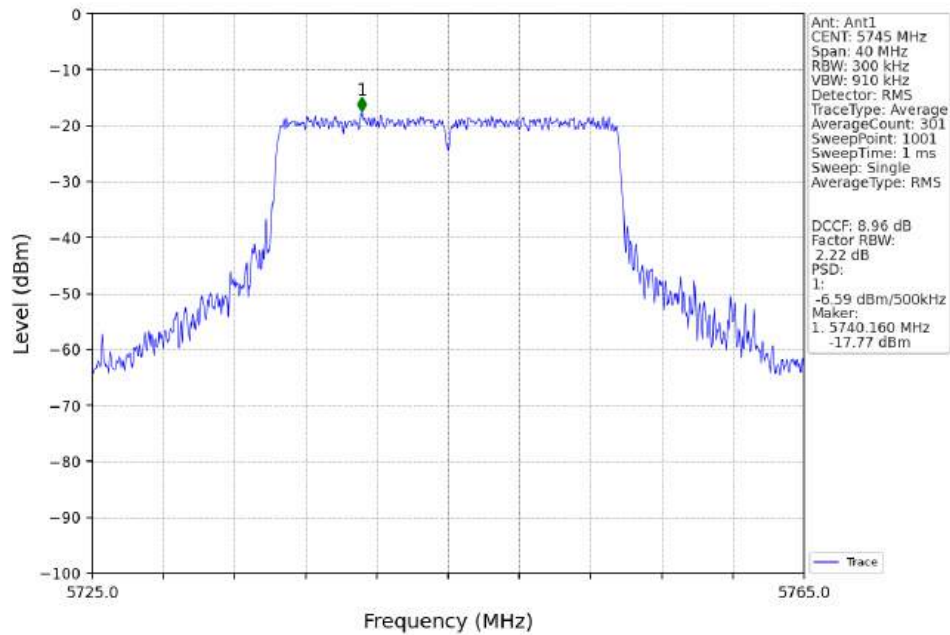
802.11ac(VHT40) HCH 5795MHz_Ant1_NTNV



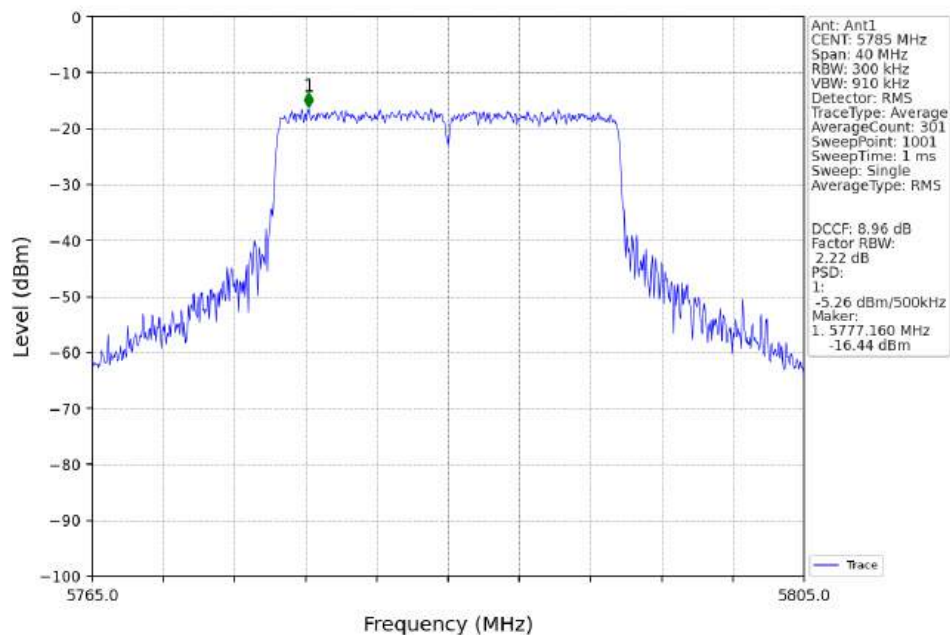
802.11ac(VHT80) MCH 5775MHz_Ant1_NTNV



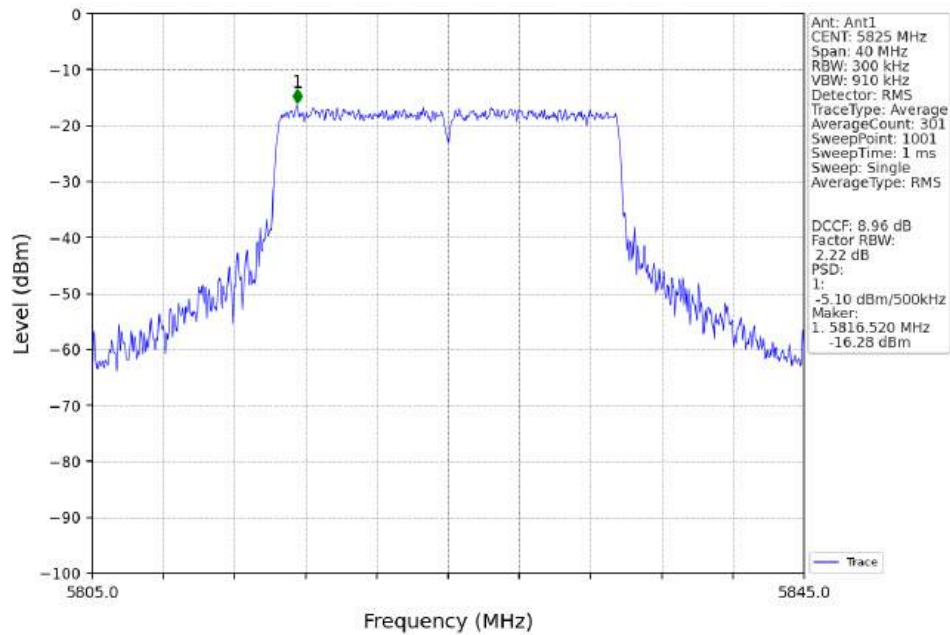
802.11ax(HEW20) LCH_5745MHz_SU / Ant1_NTNV



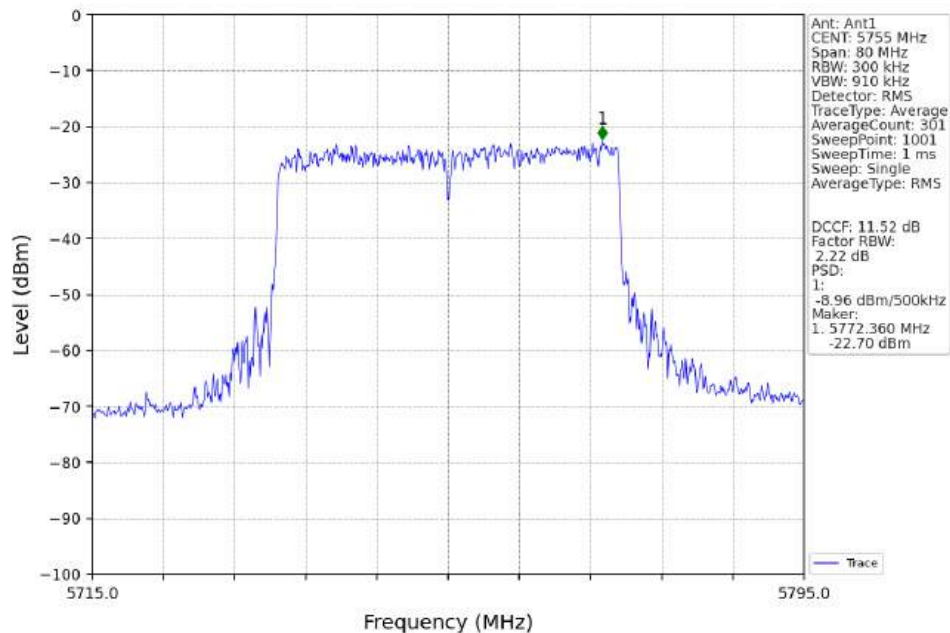
802.11ax(HEW20) MCH_5785MHz_SU / Ant1_NTNV



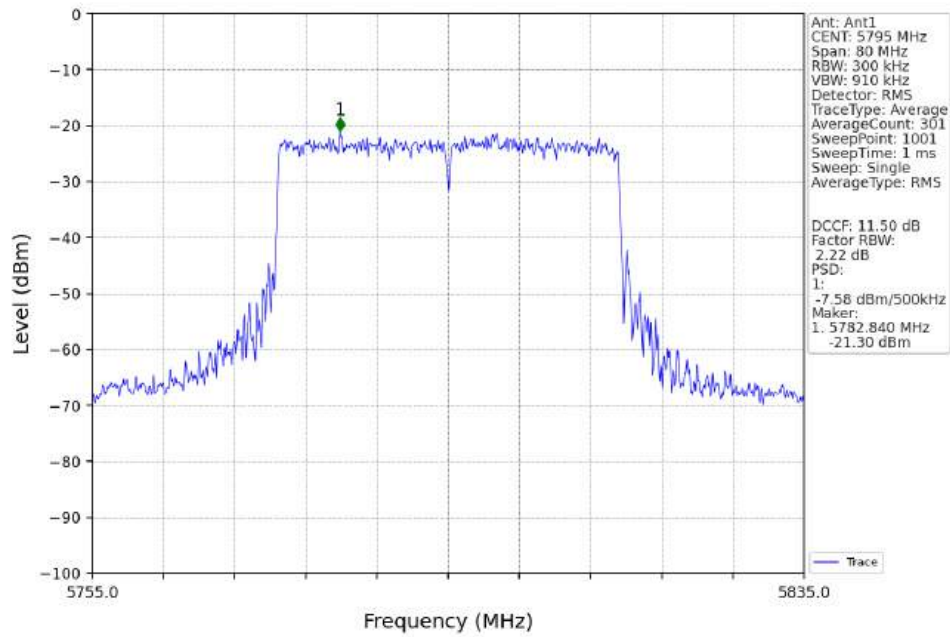
802.11ax(HEW20)_HCH_5825MHz_SU / Ant1_NTNV



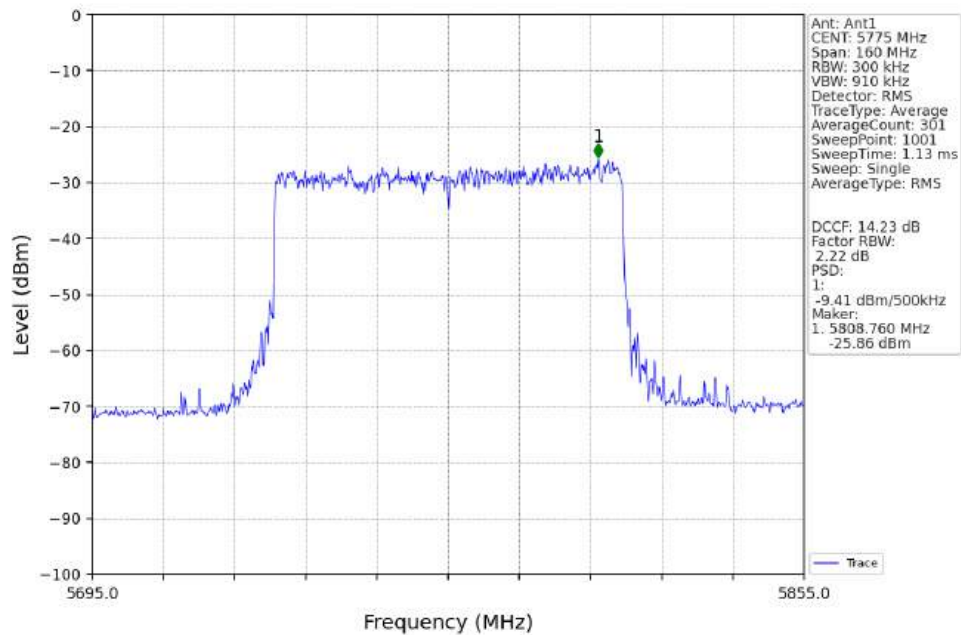
802.11ax(HEW40)_LCH_5755MHz_SU / Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU / Ant1 NTN



802.11ax(HEW80)_MCH_5775MHz_SU / Ant1 NTN



5. Frequency Stability

5.1 Test Result

Mode	TX Type	Frequency (MHz)	Temperature (°C)	Ant1		Limit (MHz)	Verdict
				Voltage (VAC)	Measured Frequency (MHz)		
Carrier Wave	SISO	5180	20	102	5181.111	5150 to 5250	Pass
				120	5181.111	5150 to 5250	Pass
				138	5181.111	5150 to 5250	Pass
			-30	120	5181.111	5150 to 5250	Pass
			-20	120	5181.111	5150 to 5250	Pass
			-10	120	5181.111	5150 to 5250	Pass
			0	120	5181.111	5150 to 5250	Pass
			10	120	5181.111	5150 to 5250	Pass
			30	120	5181.111	5150 to 5250	Pass
			40	120	5181.111	5150 to 5250	Pass
			50	120	5181.111	5150 to 5250	Pass
		5200	20	102	5200.109	5150 to 5250	Pass
				120	5200.109	5150 to 5250	Pass
				138	5200.109	5150 to 5250	Pass
			-30	120	5200.109	5150 to 5250	Pass
			-20	120	5200.109	5150 to 5250	Pass
			-10	120	5200.109	5150 to 5250	Pass
			0	120	5200.109	5150 to 5250	Pass
			10	120	5200.109	5150 to 5250	Pass
			30	120	5200.109	5150 to 5250	Pass
			40	120	5200.109	5150 to 5250	Pass
			50	120	5200.109	5150 to 5250	Pass
		5240	20	102	5240.108	5150 to 5250	Pass
				120	5240.108	5150 to 5250	Pass
				138	5240.108	5150 to 5250	Pass
			-30	120	5240.108	5150 to 5250	Pass
			-20	120	5240.108	5150 to 5250	Pass
			-10	120	5240.108	5150 to 5250	Pass
			0	120	5240.108	5150 to 5250	Pass
			10	120	5240.108	5150 to 5250	Pass
			30	120	5240.108	5150 to 5250	Pass
			40	120	5240.108	5150 to 5250	Pass
			50	120	5240.108	5150 to 5250	Pass
		5190	20	102	5190.110	5150 to 5250	Pass
				120	5190.110	5150 to 5250	Pass
				138	5190.110	5150 to 5250	Pass
			-30	120	5190.110	5150 to 5250	Pass
			-20	120	5190.110	5150 to 5250	Pass
			-10	120	5190.110	5150 to 5250	Pass
			0	120	5190.110	5150 to 5250	Pass
			10	120	5190.110	5150 to 5250	Pass
			30	120	5190.110	5150 to 5250	Pass
			40	120	5190.110	5150 to 5250	Pass
			50	120	5190.110	5150 to 5250	Pass
		5230	20	102	5230.109	5150 to 5250	Pass
				120	5230.109	5150 to 5250	Pass
				138	5230.109	5150 to 5250	Pass
			-30	120	5230.109	5150 to 5250	Pass
			-20	120	5230.109	5150 to 5250	Pass
			-10	120	5230.109	5150 to 5250	Pass
			0	120	5230.109	5150 to 5250	Pass

			10	120	5230.109	5150 to 5250	Pass
			30	120	5230.109	5150 to 5250	Pass
			40	120	5230.109	5150 to 5250	Pass
			50	120	5230.109	5150 to 5250	Pass
		5210	20	102	5210.110	5150 to 5250	Pass
				120	5210.110	5150 to 5250	Pass
				138	5210.110	5150 to 5250	Pass
			-30	120	5210.110	5150 to 5250	Pass
			-20	120	5210.110	5150 to 5250	Pass
			-10	120	5210.110	5150 to 5250	Pass
			0	120	5210.110	5150 to 5250	Pass
			10	120	5210.110	5150 to 5250	Pass
			30	120	5210.110	5150 to 5250	Pass
			40	120	5210.110	5150 to 5250	Pass
			50	120	5210.110	5150 to 5250	Pass
		5745	20	102	5745.108	5725 to 5850	Pass
				120	5745.108	5725 to 5850	Pass
				138	5745.108	5725 to 5850	Pass
			-30	120	5745.108	5725 to 5850	Pass
			-20	120	5745.108	5725 to 5850	Pass
			-10	120	5745.108	5725 to 5850	Pass
			0	120	5745.108	5725 to 5850	Pass
			10	120	5745.108	5725 to 5850	Pass
			30	120	5745.108	5725 to 5850	Pass
			40	120	5745.108	5725 to 5850	Pass
			50	120	5745.108	5725 to 5850	Pass
		5785	20	102	5785.109	5725 to 5850	Pass
				120	5785.109	5725 to 5850	Pass
				138	5785.109	5725 to 5850	Pass
			-30	120	5785.109	5725 to 5850	Pass
			-20	120	5785.109	5725 to 5850	Pass
			-10	120	5785.109	5725 to 5850	Pass
			0	120	5785.109	5725 to 5850	Pass
			10	120	5785.109	5725 to 5850	Pass
			30	120	5785.109	5725 to 5850	Pass
			40	120	5785.109	5725 to 5850	Pass
			50	120	5785.109	5725 to 5850	Pass
		5825	20	102	5825.111	5725 to 5850	Pass
				120	5825.111	5725 to 5850	Pass
				138	5825.111	5725 to 5850	Pass
			-30	120	5825.111	5725 to 5850	Pass
			-20	120	5825.111	5725 to 5850	Pass
			-10	120	5825.111	5725 to 5850	Pass
			0	120	5825.111	5725 to 5850	Pass
			10	120	5825.111	5725 to 5850	Pass
			30	120	5825.111	5725 to 5850	Pass
			40	120	5825.111	5725 to 5850	Pass
			50	120	5825.111	5725 to 5850	Pass
		5755	20	102	5755.109	5725 to 5850	Pass
				120	5755.109	5725 to 5850	Pass
				138	5755.109	5725 to 5850	Pass
			-30	120	5755.109	5725 to 5850	Pass
			-20	120	5755.109	5725 to 5850	Pass
			-10	120	5755.109	5725 to 5850	Pass
			0	120	5755.109	5725 to 5850	Pass
			10	120	5755.109	5725 to 5850	Pass
			30	120	5755.109	5725 to 5850	Pass
			40	120	5755.109	5725 to 5850	Pass
			50	120	5755.109	5725 to 5850	Pass
		5795	20	102	5795.110	5725 to 5850	Pass

				120	5795.110	5725 to 5850	Pass
				138	5795.110	5725 to 5850	Pass
			-30	120	5795.110	5725 to 5850	Pass
			-20	120	5795.110	5725 to 5850	Pass
			-10	120	5795.110	5725 to 5850	Pass
			0	120	5795.110	5725 to 5850	Pass
			10	120	5795.110	5725 to 5850	Pass
			30	120	5795.110	5725 to 5850	Pass
			40	120	5795.110	5725 to 5850	Pass
			50	120	5795.110	5725 to 5850	Pass
		5775	20	102	5775.109	5725 to 5850	Pass
				120	5775.109	5725 to 5850	Pass
				138	5775.109	5725 to 5850	Pass
			-30	120	5775.109	5725 to 5850	Pass
			-20	120	5775.109	5725 to 5850	Pass
			-10	120	5775.109	5725 to 5850	Pass
			0	120	5775.109	5725 to 5850	Pass
			10	120	5775.109	5725 to 5850	Pass
			30	120	5775.109	5725 to 5850	Pass
			40	120	5775.109	5725 to 5850	Pass
			50	120	5775.109	5725 to 5850	Pass