

1. Duty Cycle

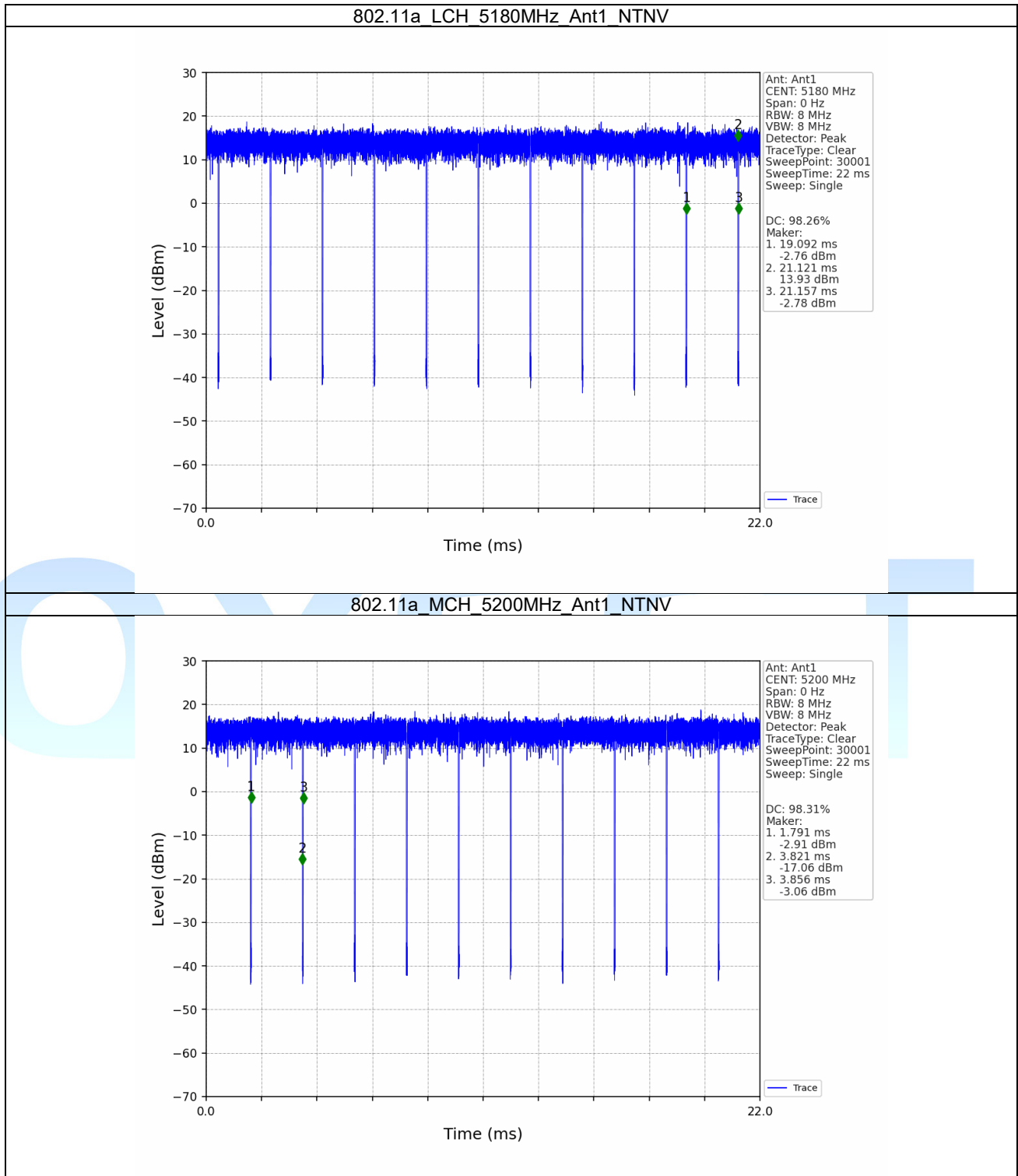
1.1 Test Result

1.1.1 Ant1

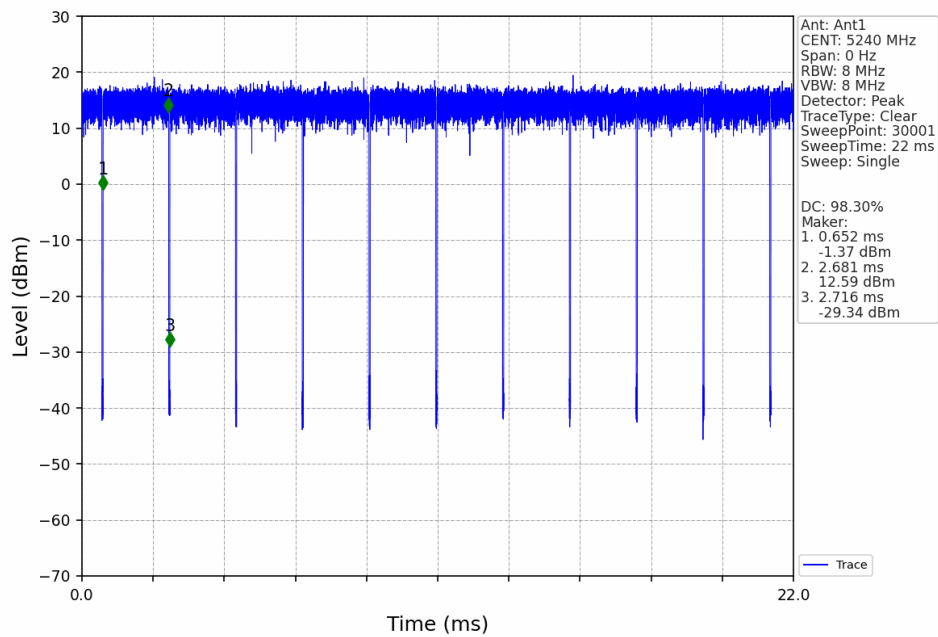
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	2.029	2.065	98.26	0.08	0.04
		5200	2.030	2.065	98.31	0.07	0.04
		5240	2.029	2.064	98.30	0.07	0.00
802.11n (HT20)	MIMO	5180	1.889	1.924	98.18	0.08	0.00
		5200	1.890	1.925	98.18	0.08	0.00
		5240	1.890	1.925	98.18	0.08	0.03
802.11n (HT40)	MIMO	5190	0.930	0.964	96.47	0.16	0.00
		5230	0.929	0.964	96.37	0.16	0.03
802.11ac (VHT20)	MIMO	5180	1.902	1.937	98.19	0.08	0.03
		5200	1.901	1.937	98.14	0.08	0.00
		5240	1.901	1.937	98.14	0.08	0.00
802.11ac (VHT40)	MIMO	5190	0.938	0.972	96.50	0.15	0.00
		5230	0.937	0.972	96.40	0.16	0.00
802.11ac (VHT80)	MIMO	5210	0.457	0.492	92.89	0.32	0.07

1.2 Test Graph

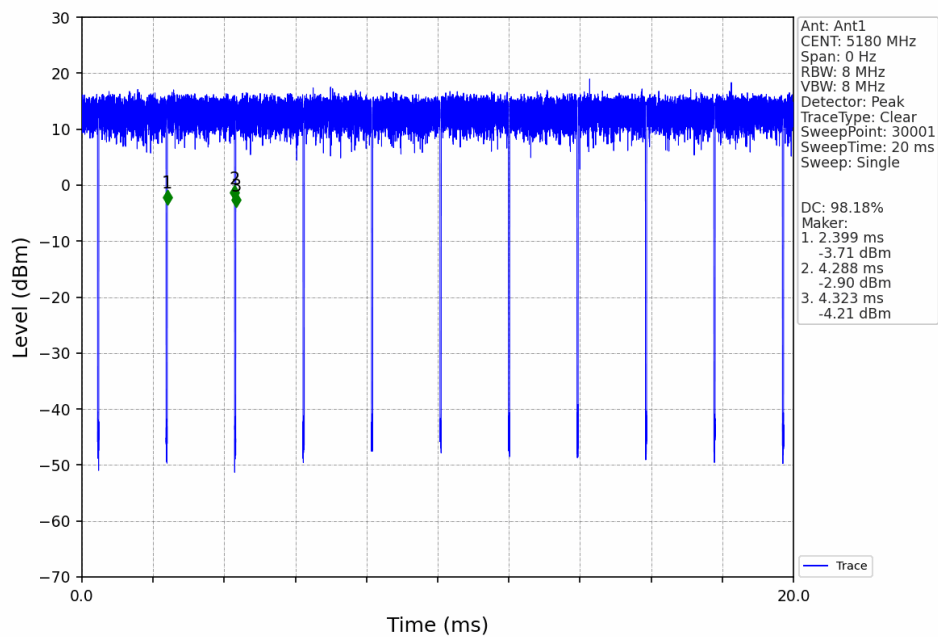
1.2.1 Ant1



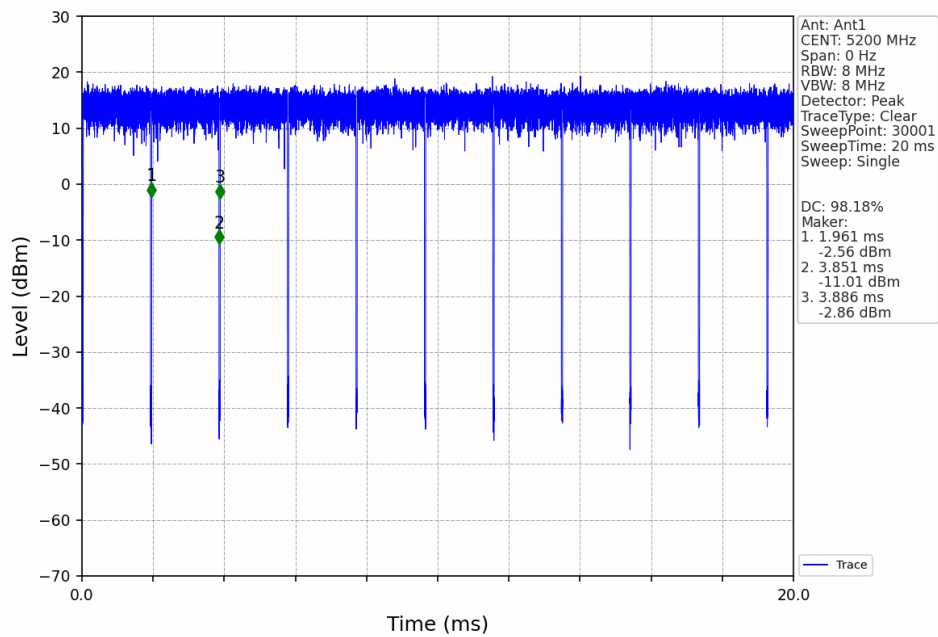
802.11a_HCH_5240MHz_Ant1_NTNV



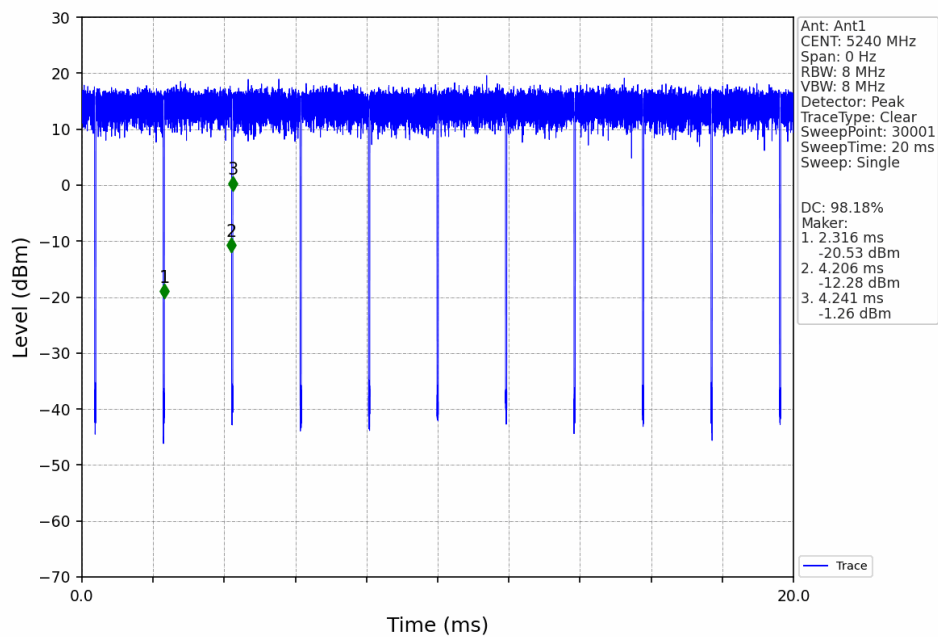
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



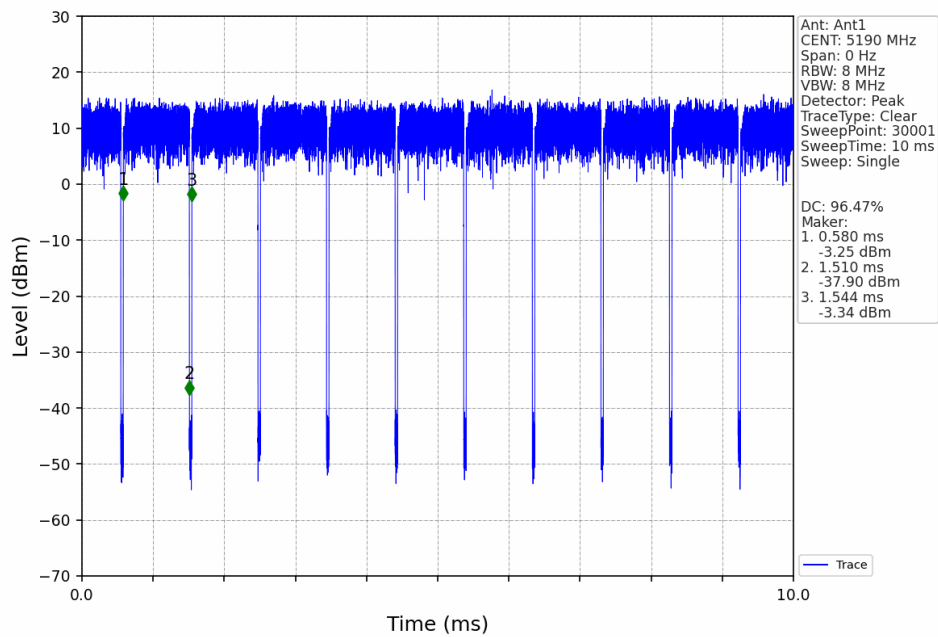
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



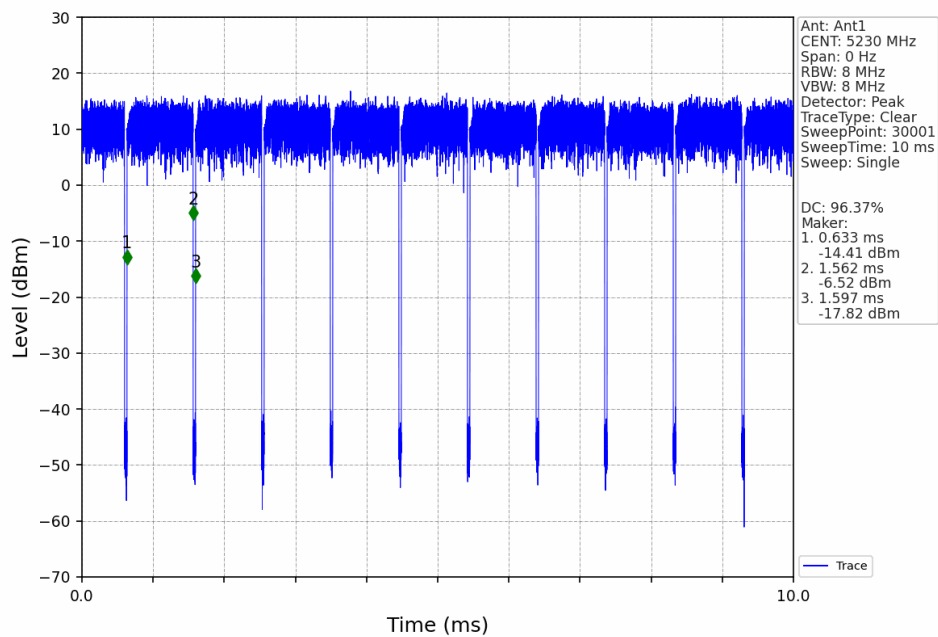
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



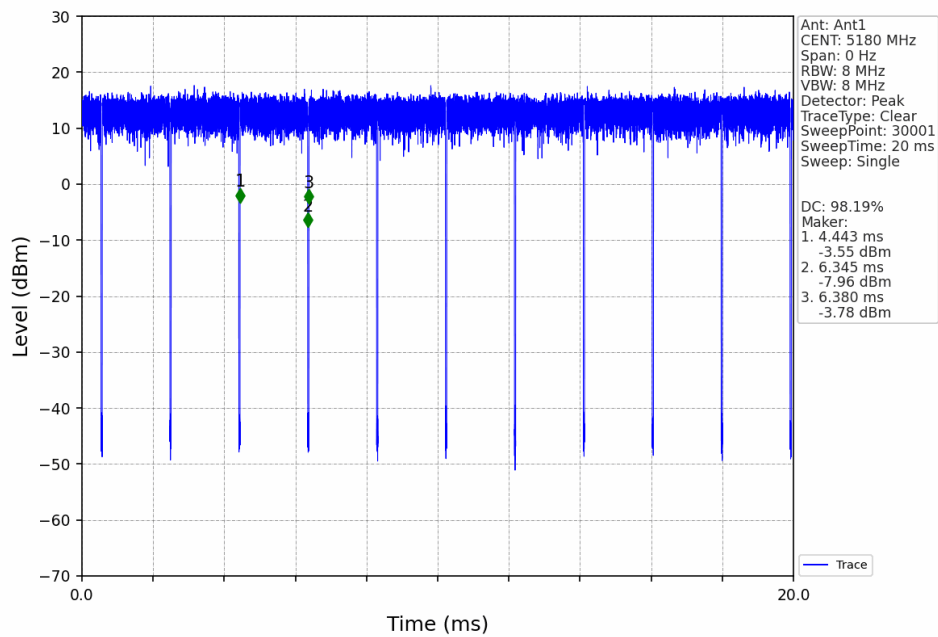
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



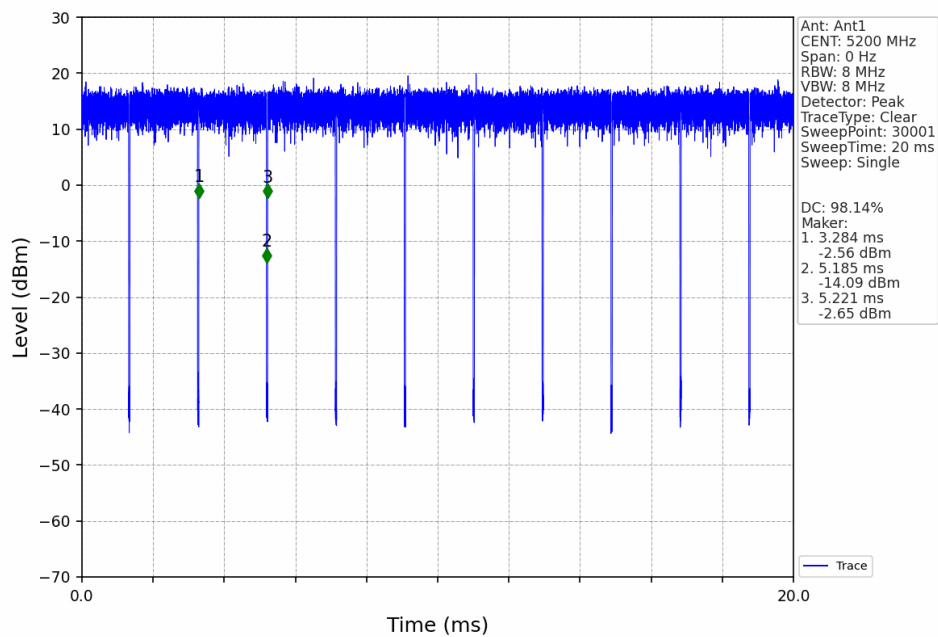
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



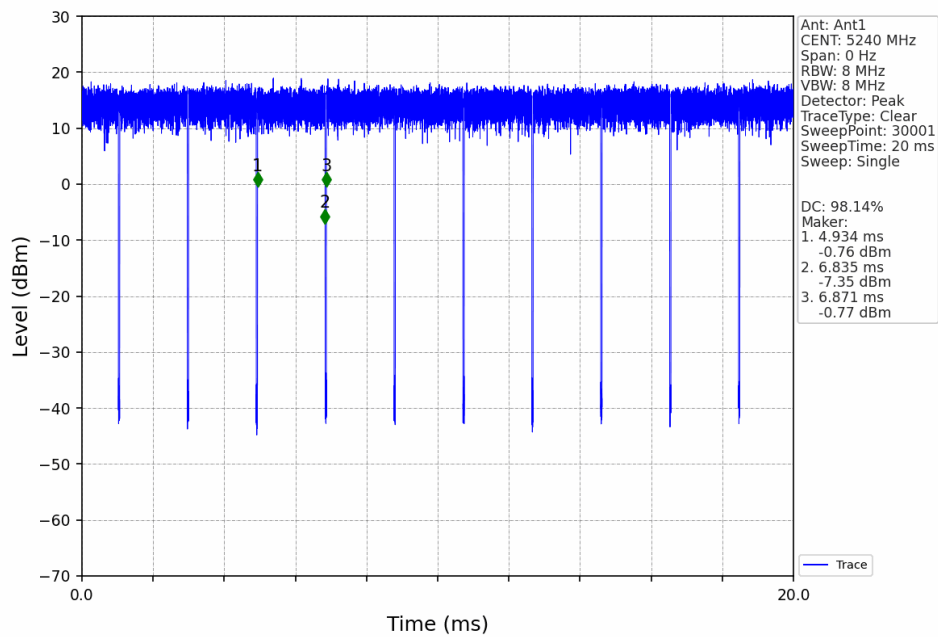
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



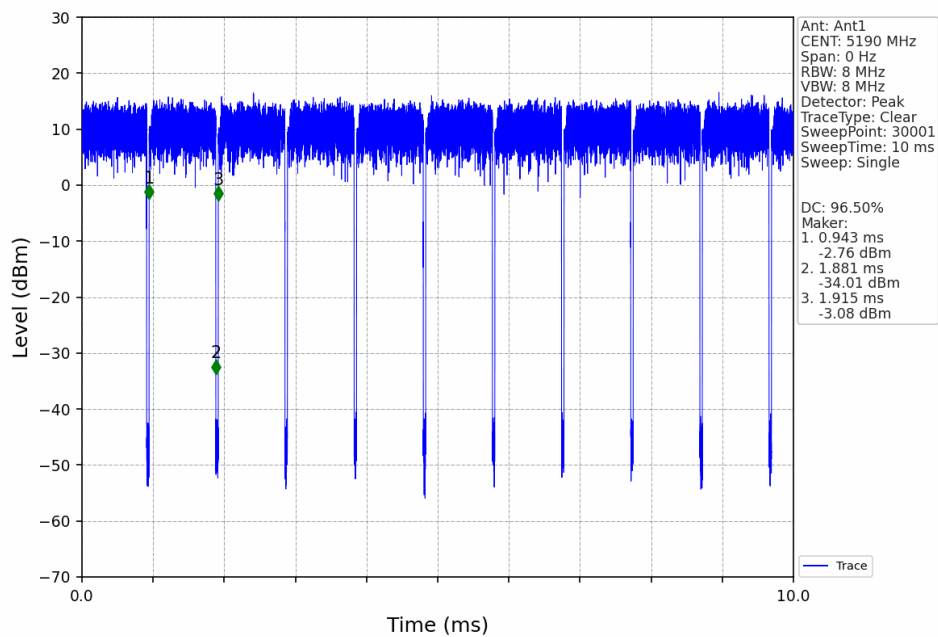
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



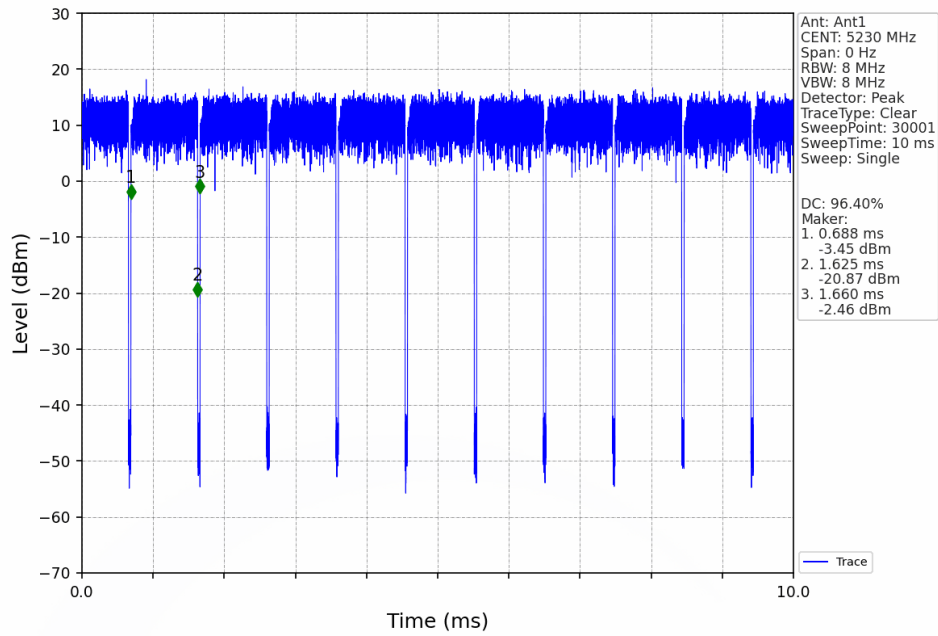
802.11ac(VHT20) HCH 5240MHz Ant1_NTNV



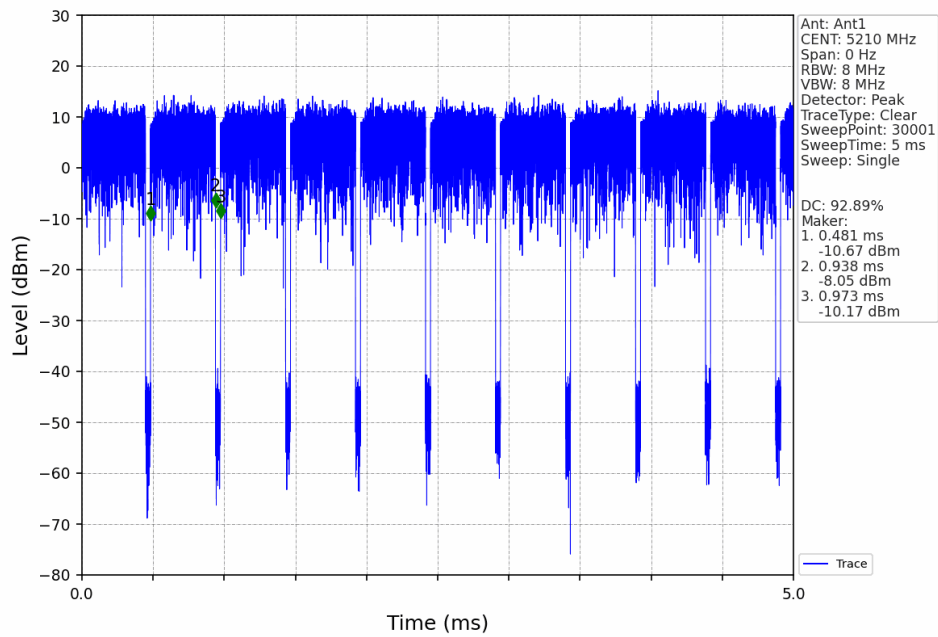
802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



802.11ac(VHT80) MCH 5210MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

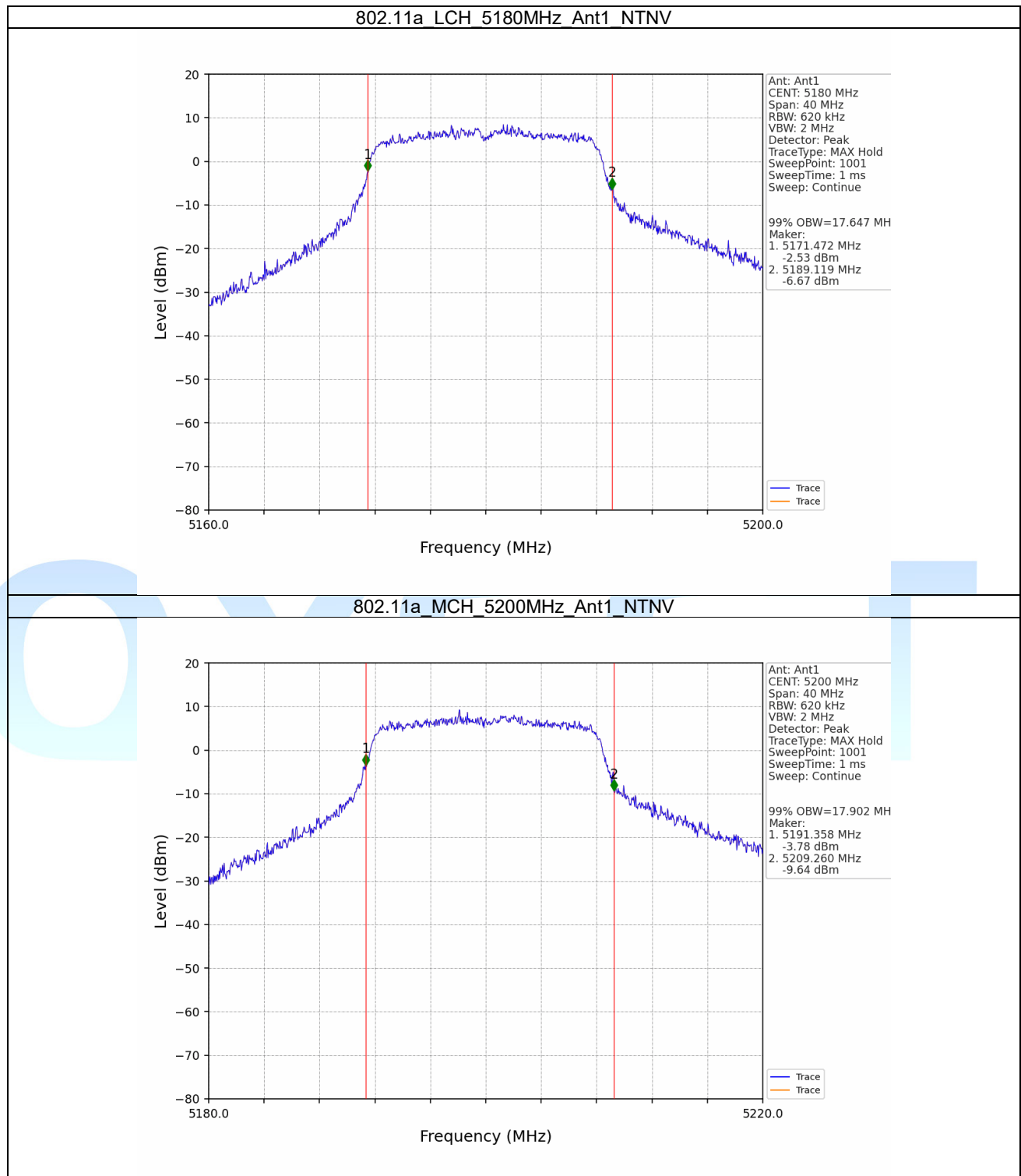
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	17.647	/	Pass
		5200	1	17.902	/	Pass
		5240	1	17.764	/	Pass
802.11n (HT20)	MIMO	5180	1	18.787	/	Pass
		5200	1	18.798	/	Pass
		5240	1	18.838	/	Pass
802.11n (HT40)	MIMO	5190	1	37.058	/	Pass
		5230	1	37.142	/	Pass
802.11ac (VHT20)	MIMO	5180	1	18.816	/	Pass
		5200	1	18.859	/	Pass
		5240	1	18.919	/	Pass
802.11ac (VHT40)	MIMO	5190	1	37.198	/	Pass
		5230	1	37.137	/	Pass
802.11ac (VHT80)	MIMO	5210	1	76.568	/	Pass

2.1.2 26dB BW

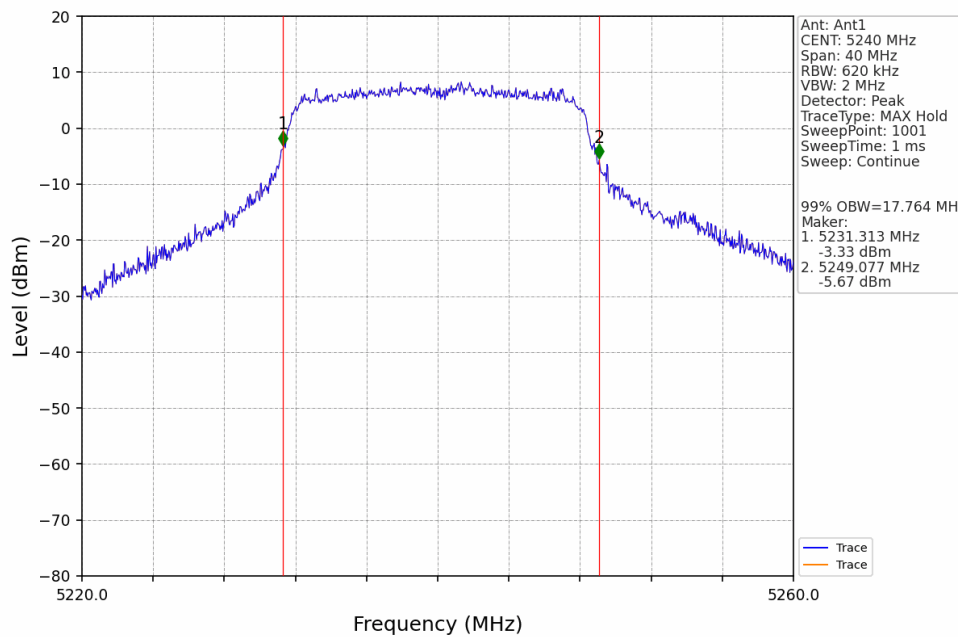
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	26.891	/	Pass
		5200	1	28.172	/	Pass
		5240	1	26.742	/	Pass
802.11n (HT20)	MIMO	5180	1	26.404	/	Pass
		5200	1	26.556	/	Pass
		5240	1	26.939	/	Pass
802.11n (HT40)	MIMO	5190	1	60.187	/	Pass
		5230	1	64.294	/	Pass
802.11ac (VHT20)	MIMO	5180	1	25.152	/	Pass
		5200	1	26.686	/	Pass
		5240	1	27.611	/	Pass
802.11ac (VHT40)	MIMO	5190	1	62.636	/	Pass
		5230	1	60.199	/	Pass
802.11ac (VHT80)	MIMO	5210	1	116.897	/	Pass

2.2 Test Graph

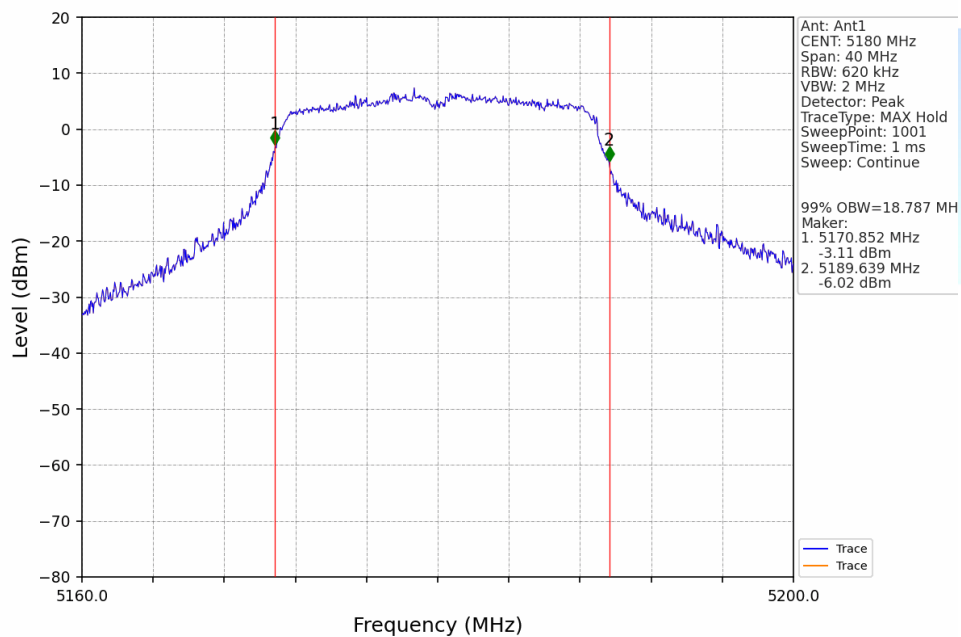
2.2.1 OBW



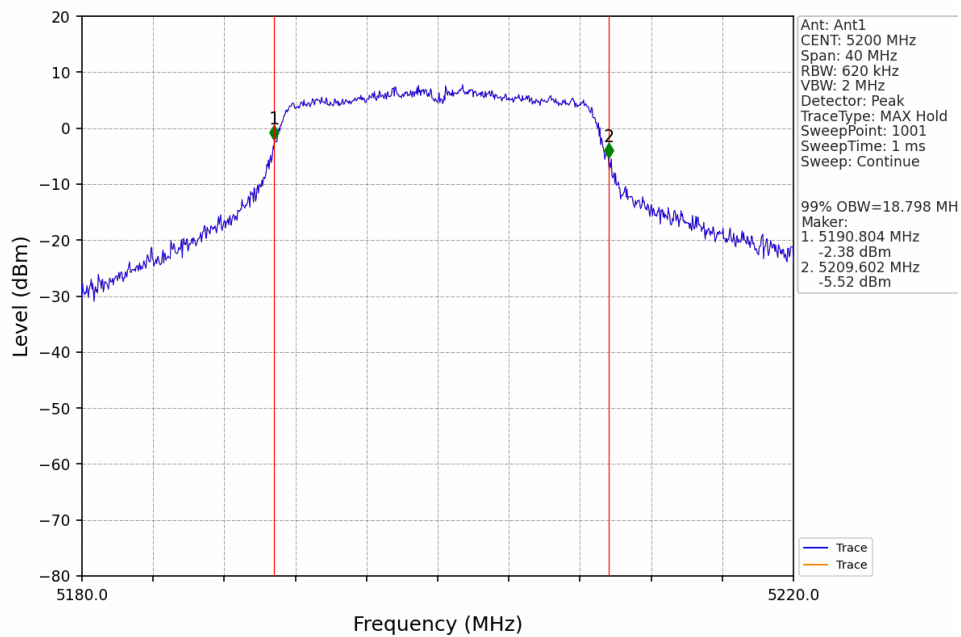
802.11a_HCH_5240MHz_Ant1_NTNV



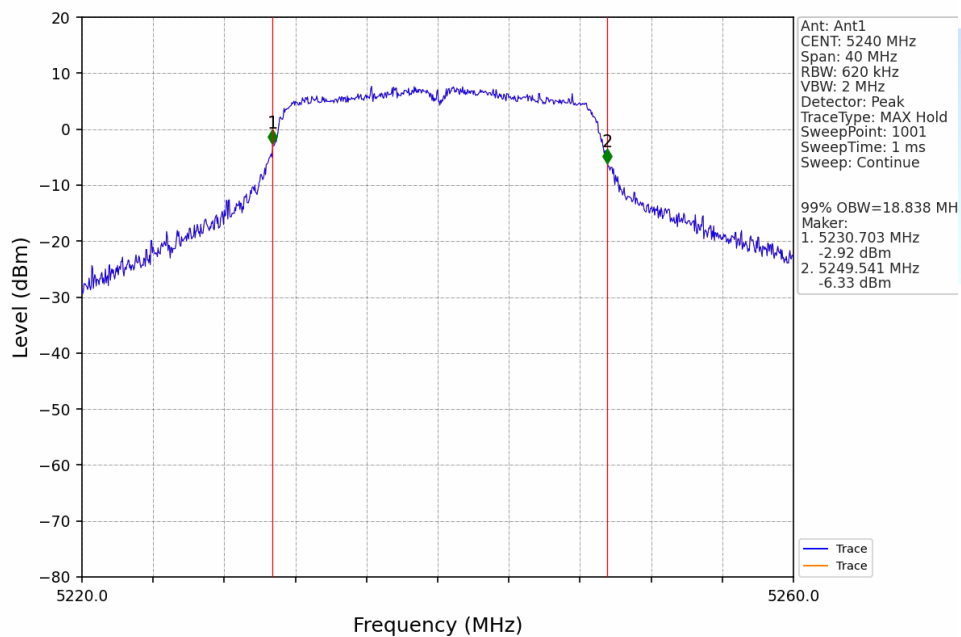
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



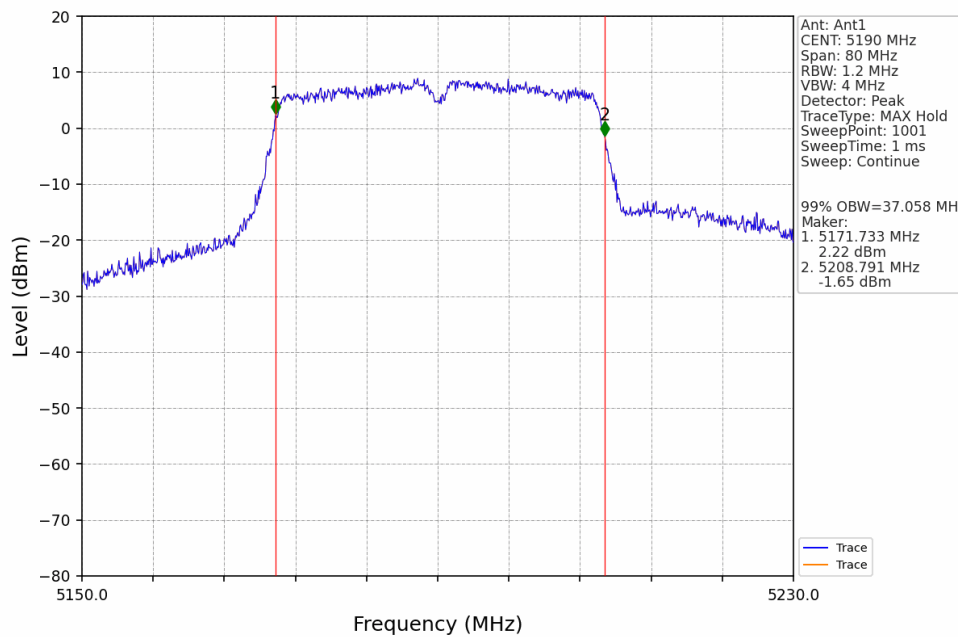
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



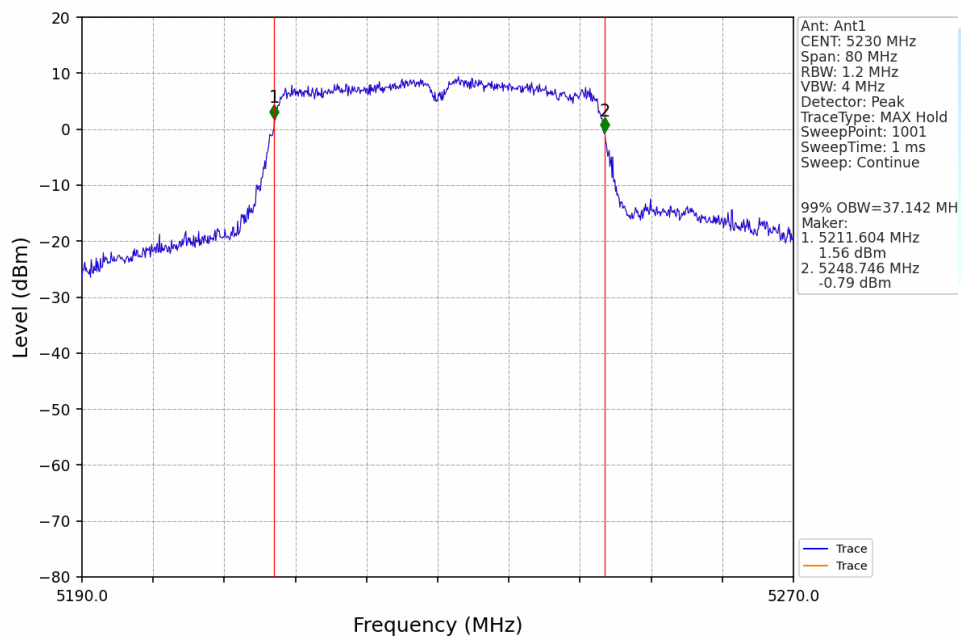
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



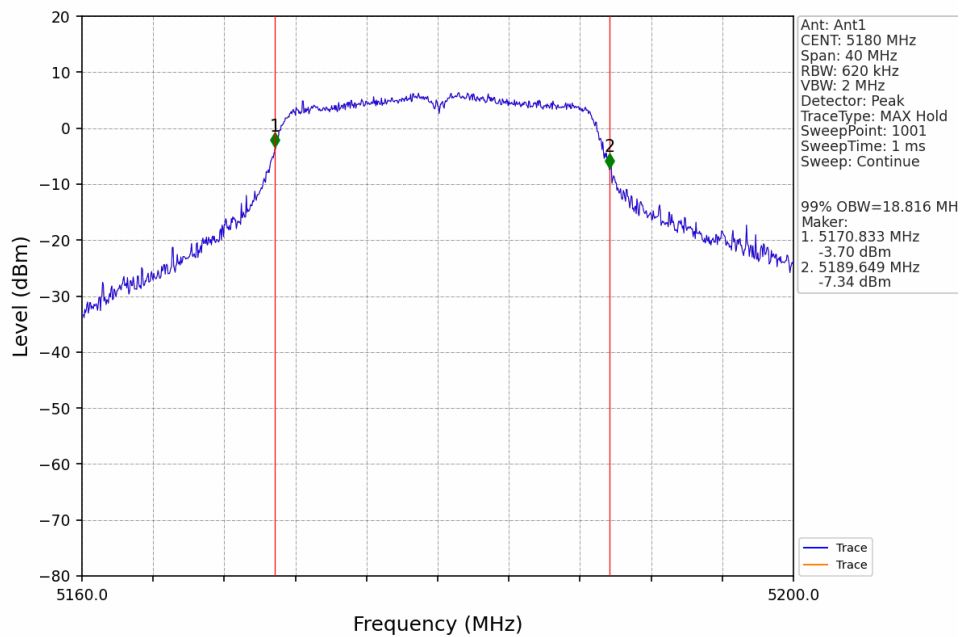
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



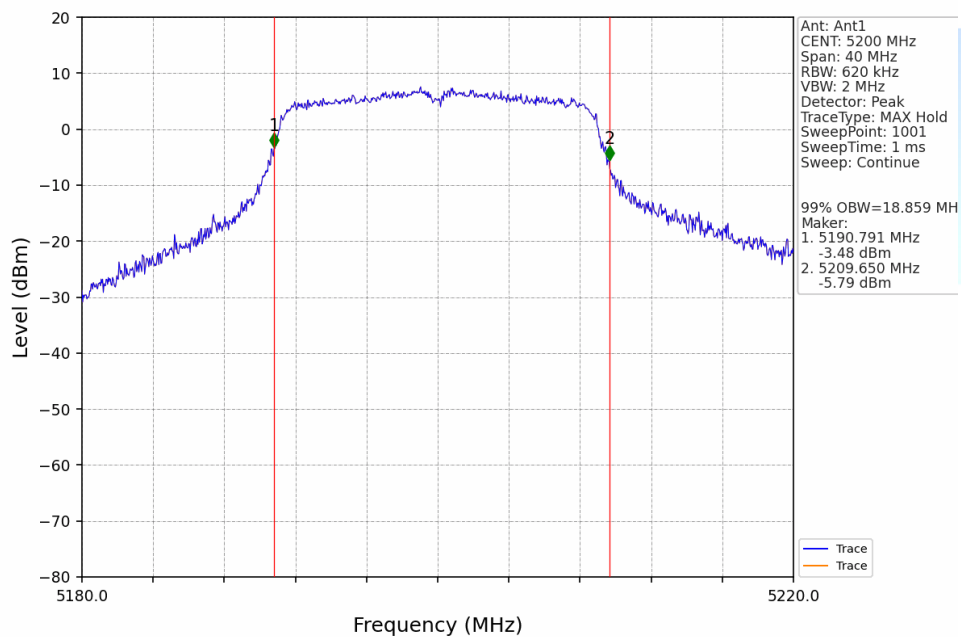
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



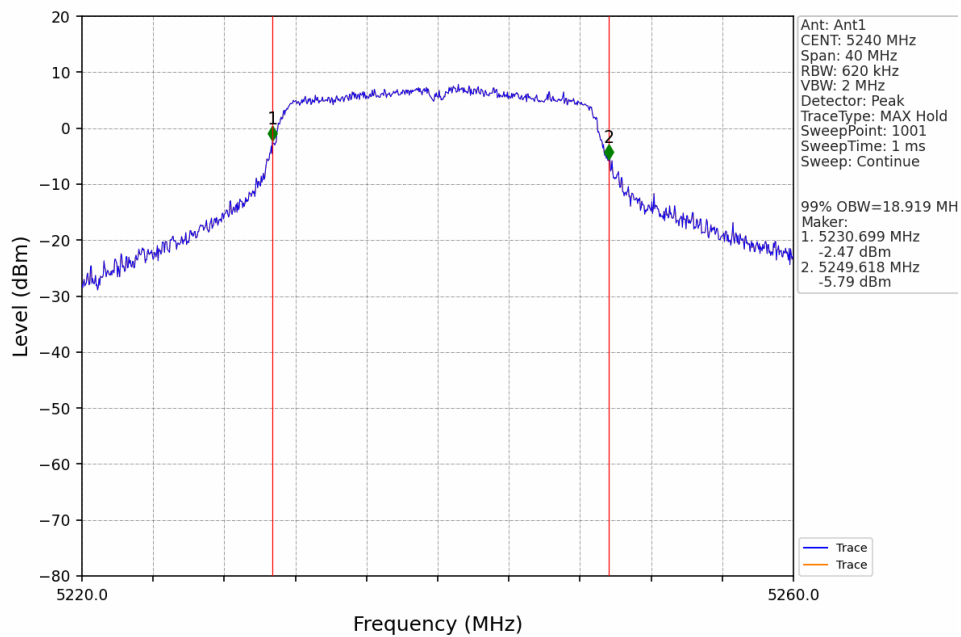
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



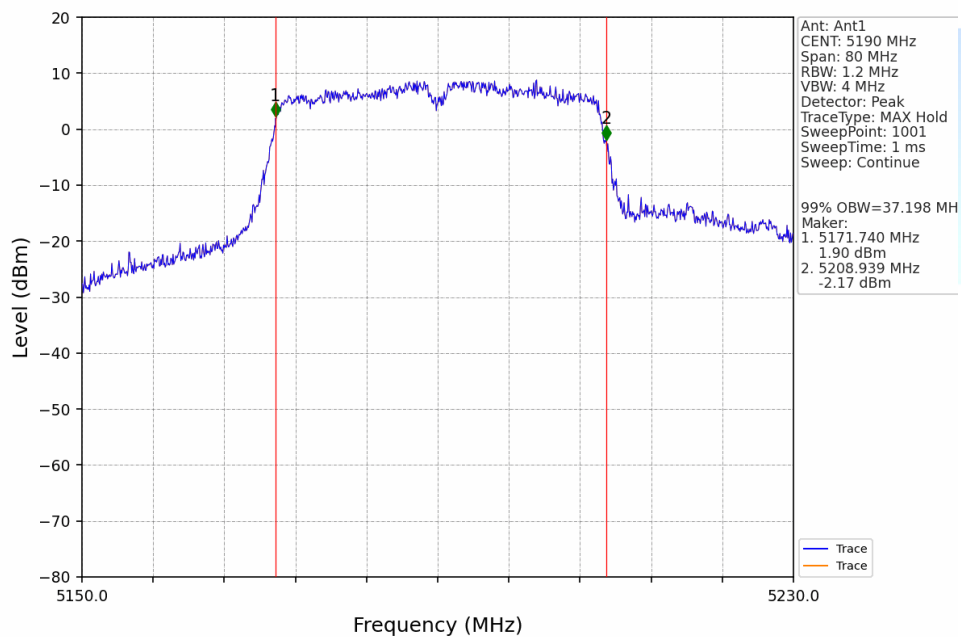
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



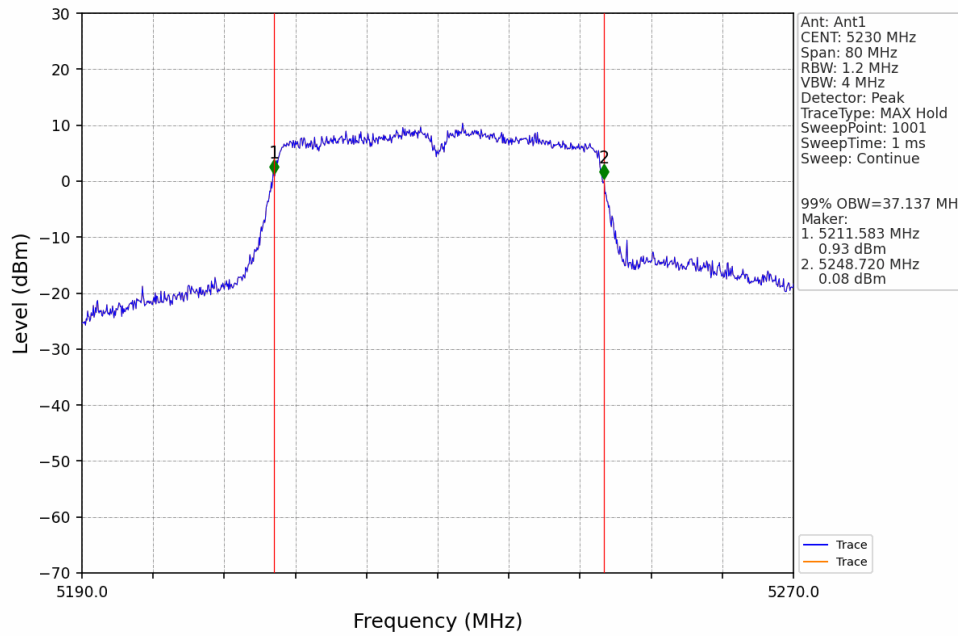
802.11ac(VHT20) HCH 5240MHz Ant1_NTNV



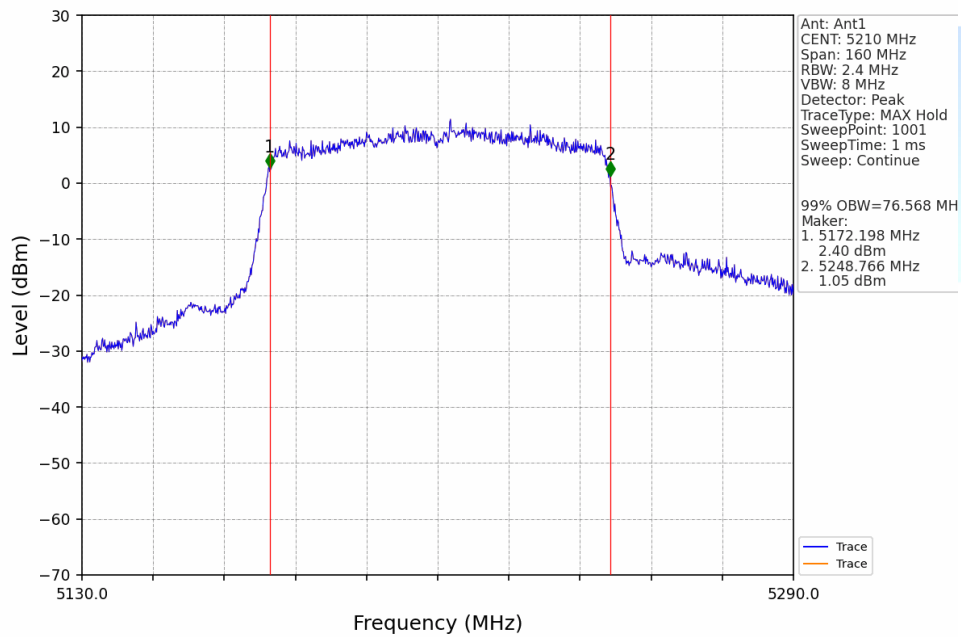
802.11ac(VHT40) LCH 5190MHz Ant1_NTNV



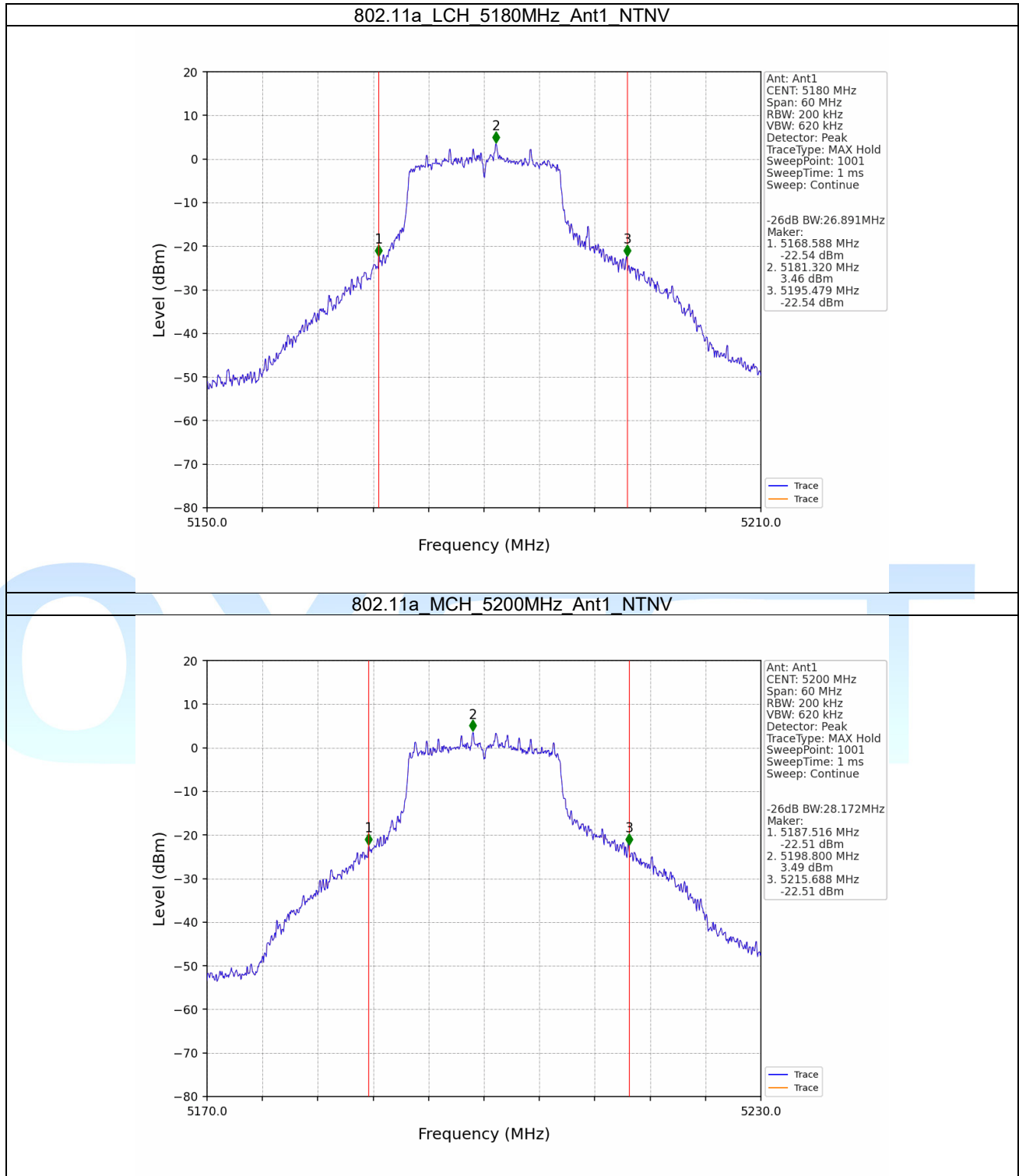
802.11ac(VHT40) HCH 5230MHz Ant1_NTNV



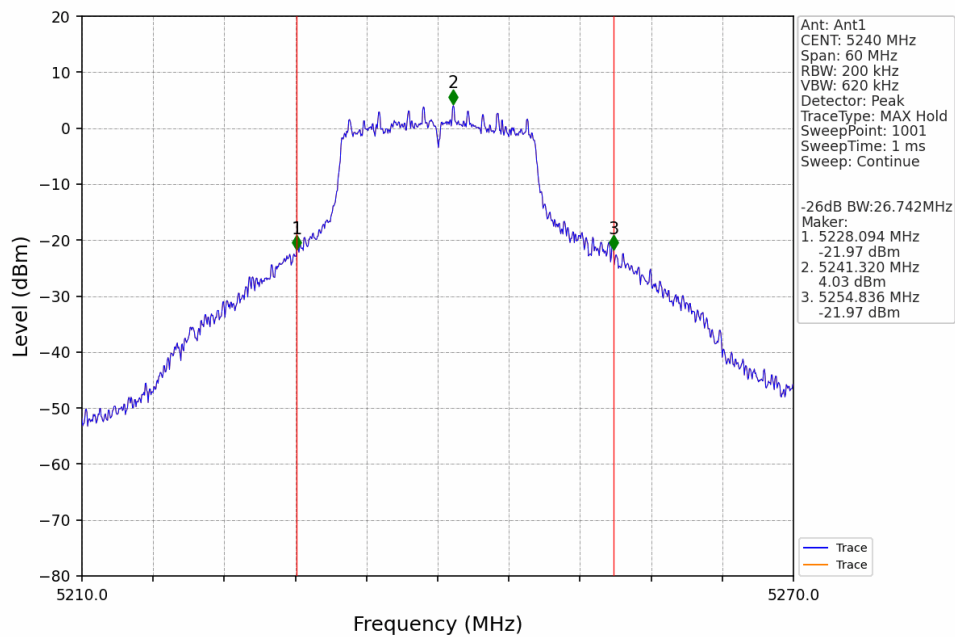
802.11ac(VHT80) MCH 5210MHz Ant1_NTNV



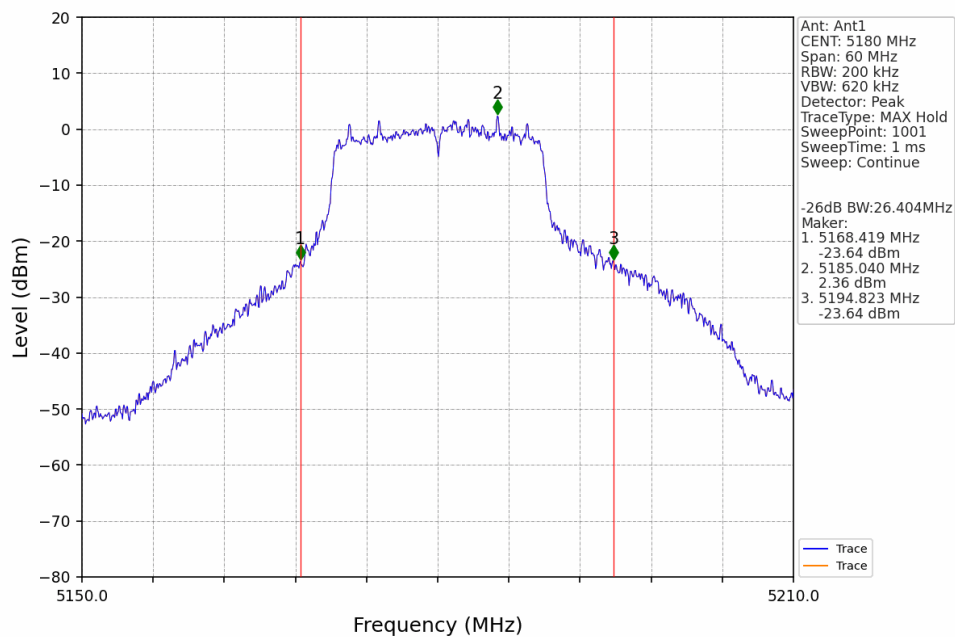
2.2.2 26dB BW



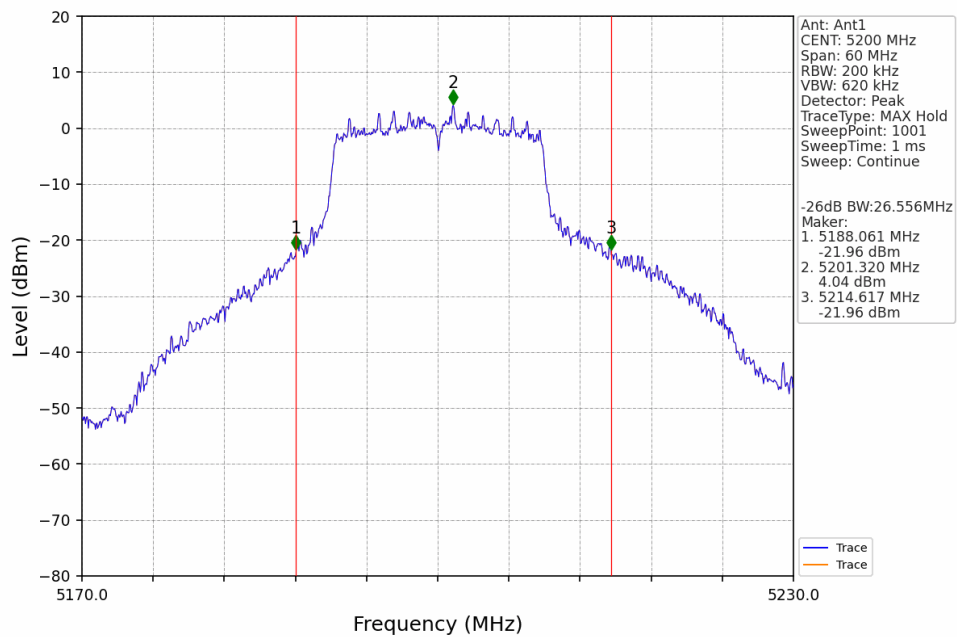
802.11a_HCH_5240MHz_Ant1_NTNV



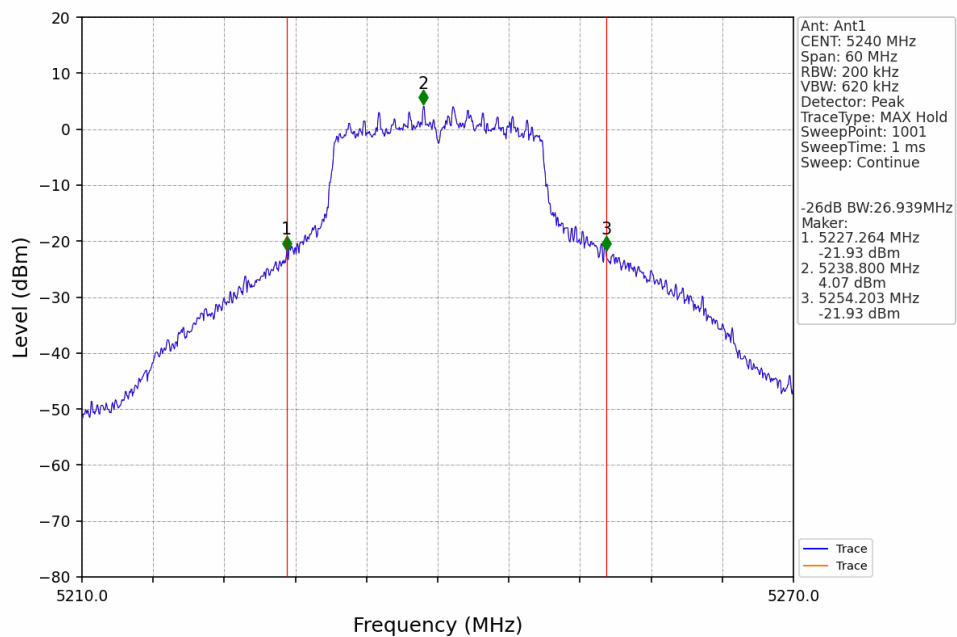
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



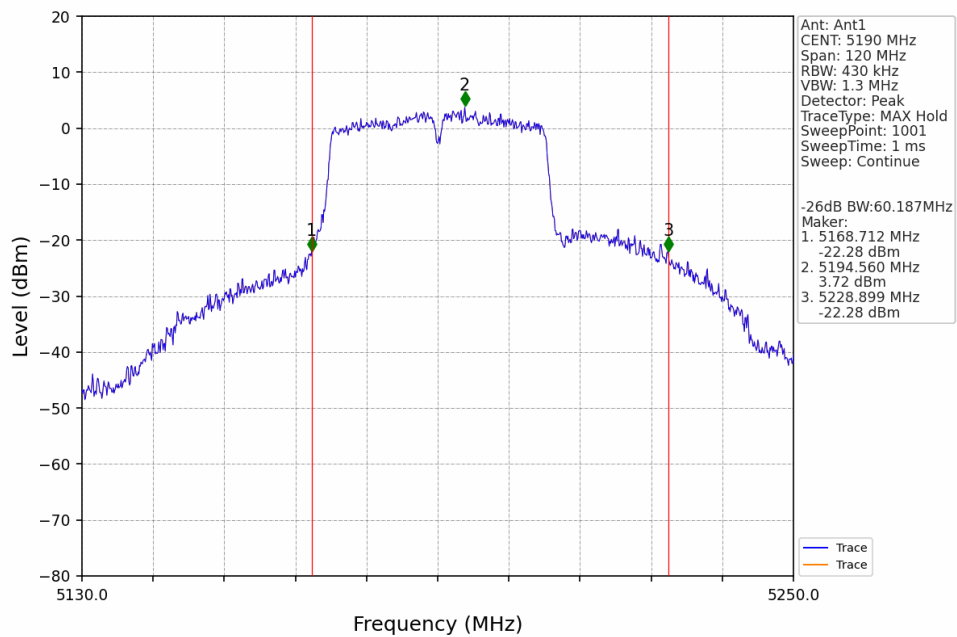
802.11n(HT20) MCH 5200MHz_Ant1_NTNV



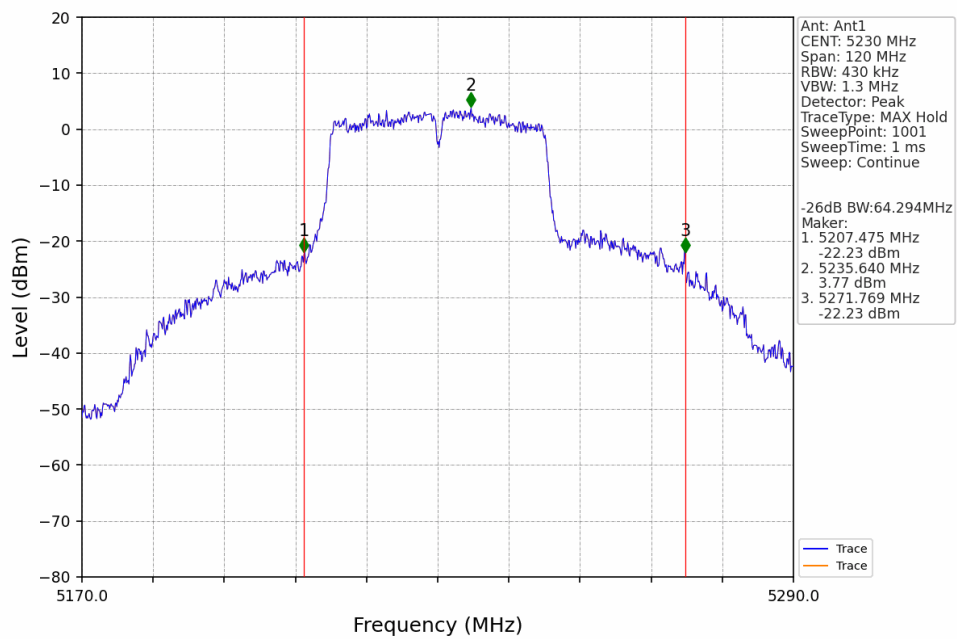
802.11n(HT20) HCH 5240MHz_Ant1_NTNV



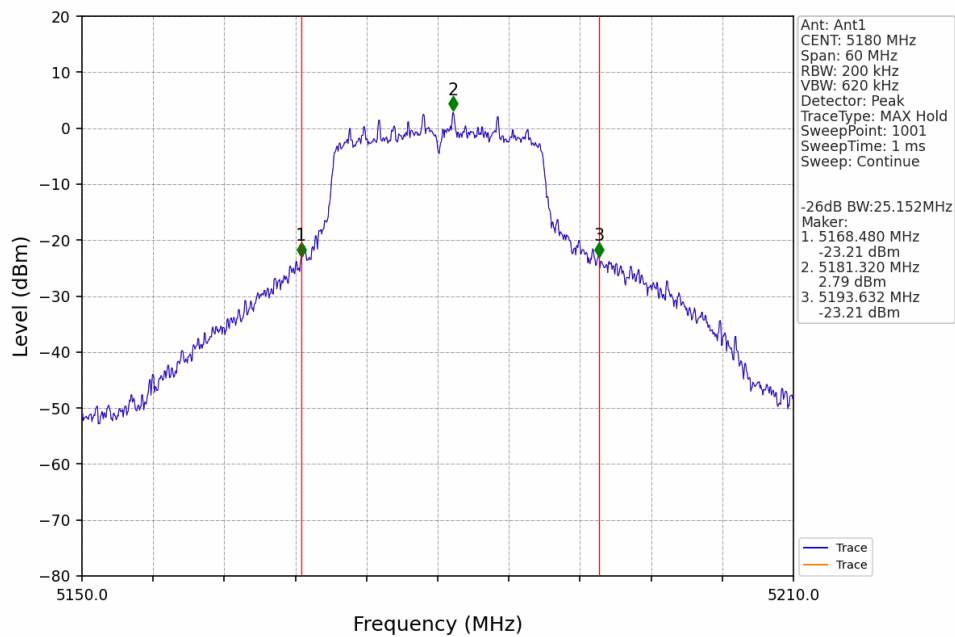
802.11n(HT40) LCH 5190MHz_Ant1_NTNV



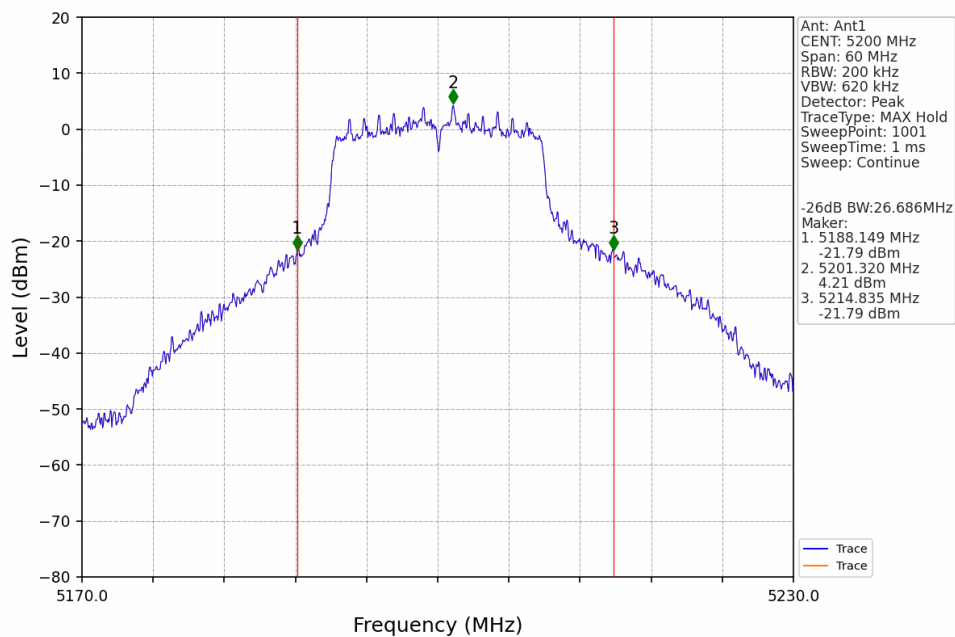
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



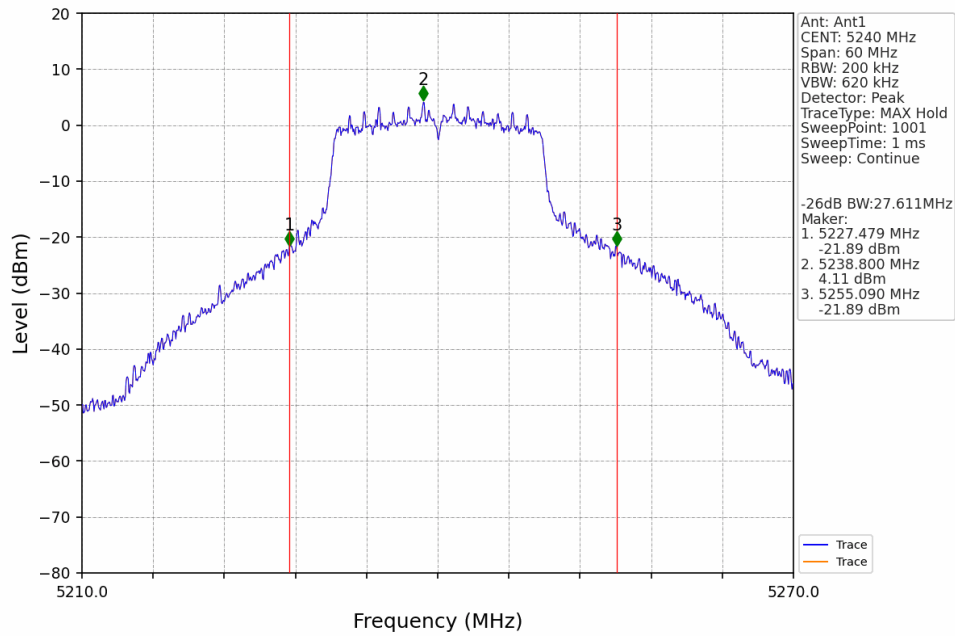
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



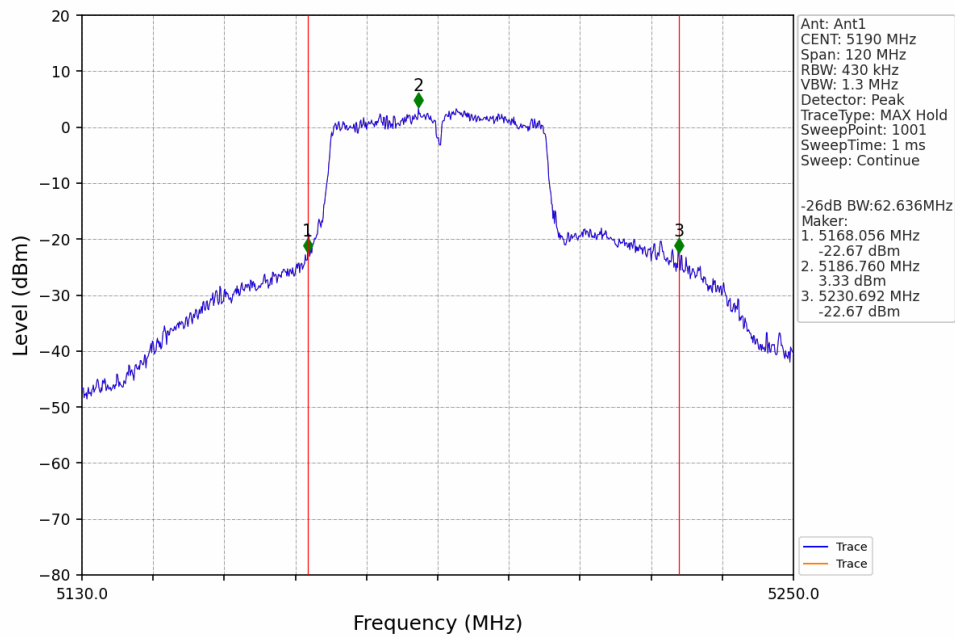
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



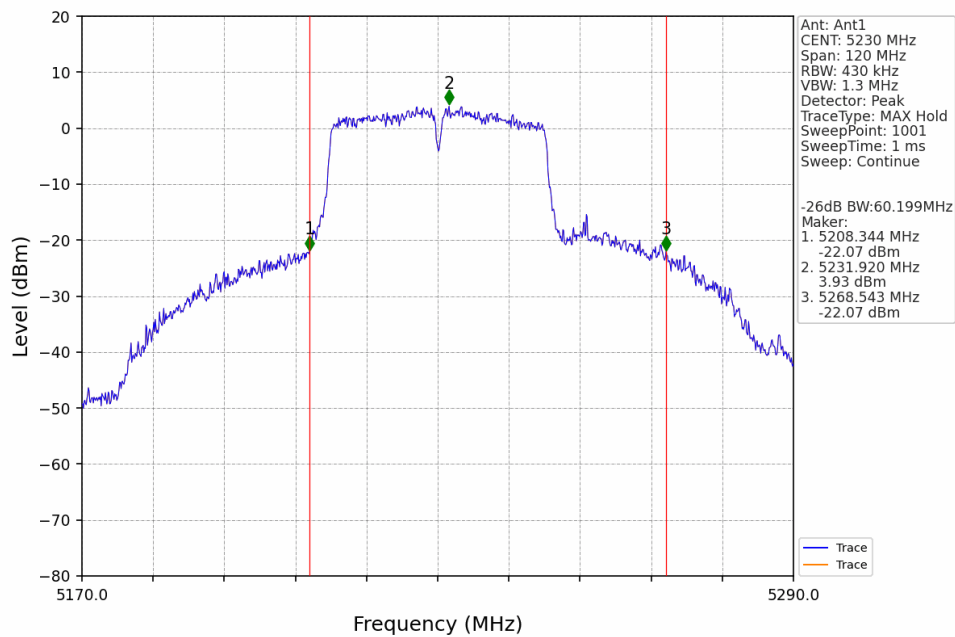
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



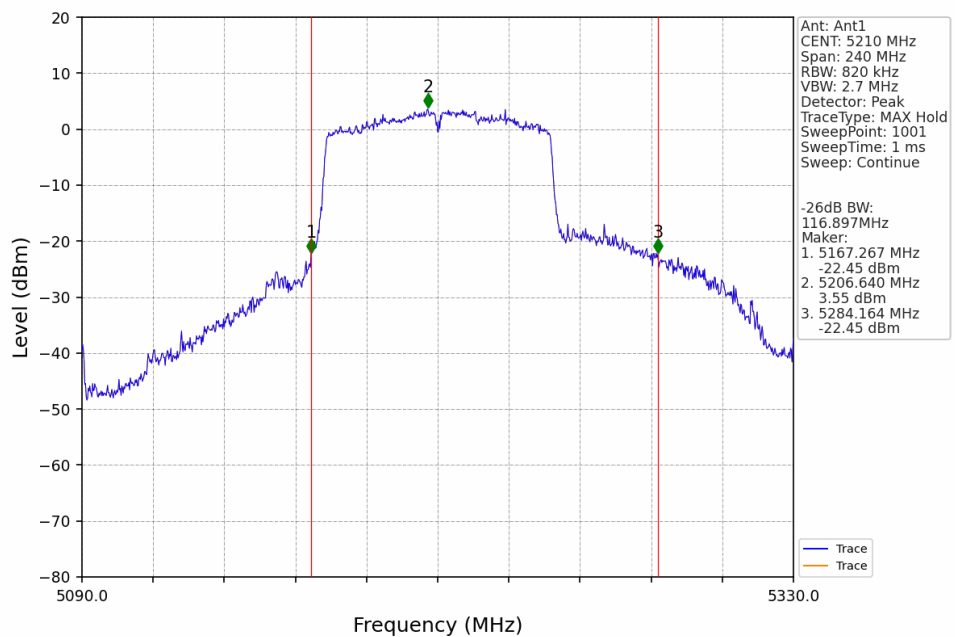
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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	ANT2	MIMO	Limit	
802.11a	SISO	5180	11.68	11.91	/	<=23.98	Pass
		5200	12.16	12.13	/	<=23.98	Pass
		5240	12.24	11.65	/	<=23.98	Pass
802.11n (HT20)	MIMO	5180	11.36	11.81	14.60	<=23.98	Pass
		5200	12.27	12.08	15.19	<=23.98	Pass
		5240	12.50	11.74	15.15	<=23.98	Pass
802.11n (HT40)	MIMO	5190	12.74	12.89	15.83	<=23.98	Pass
		5230	13.13	12.57	15.87	<=23.98	Pass
802.11ac (VHT20)	MIMO	5180	11.23	11.83	14.55	<=23.98	Pass
		5200	12.19	12.08	15.15	<=23.98	Pass
		5240	12.56	11.88	15.24	<=23.98	Pass
802.11ac (VHT40)	MIMO	5190	12.75	12.98	15.88	<=23.98	Pass
		5230	13.34	12.69	16.04	<=23.98	Pass
802.11ac (VHT80)	MIMO	5210	13.02	12.82	15.93	<=23.98	Pass

Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;

Note2: Directional Gain: Uncorrelated(Directional Gain = 5.01dBi)

4. Maximum Power Spectral Density

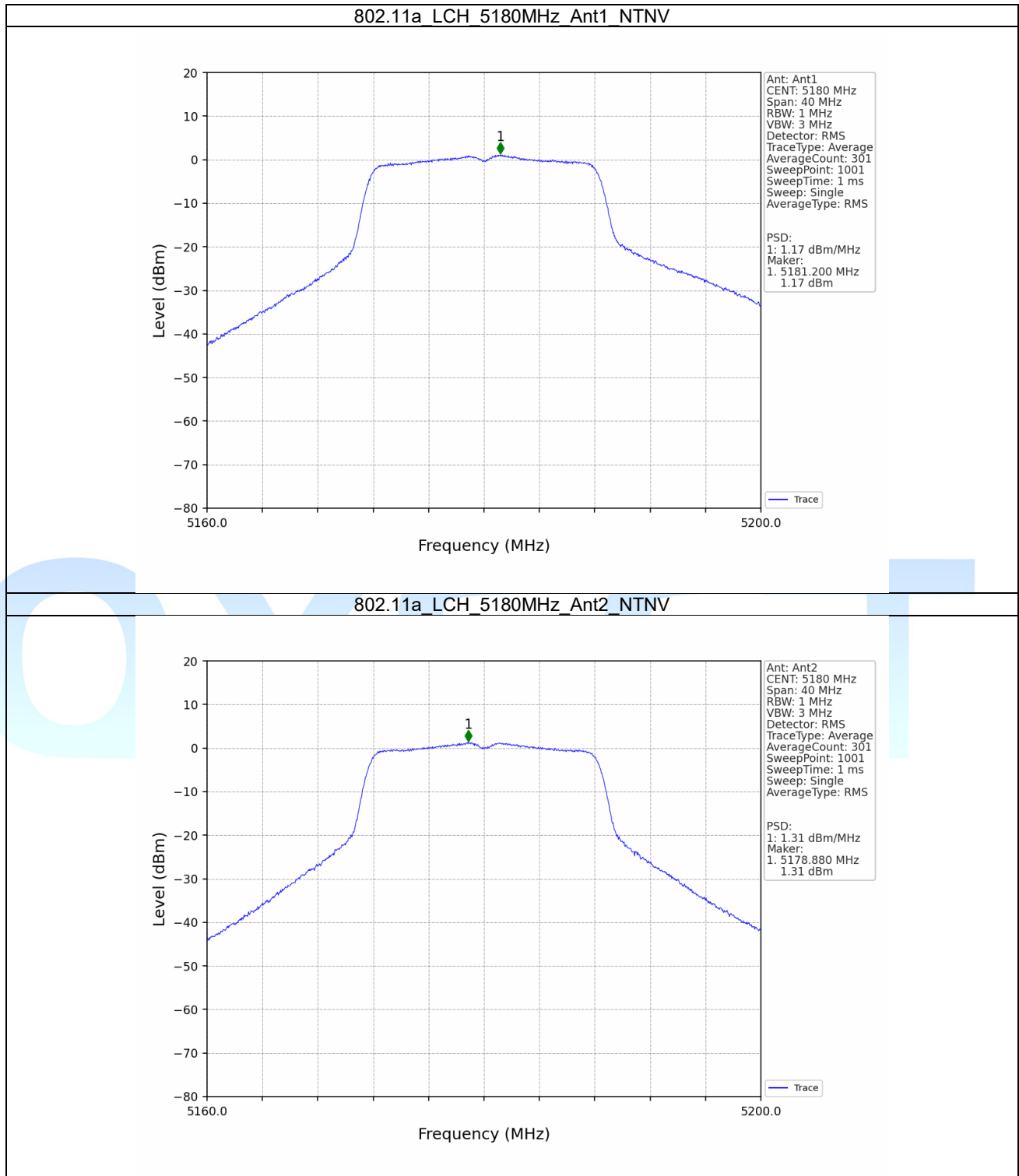
4.1 Test Result

4.1.1 PSD

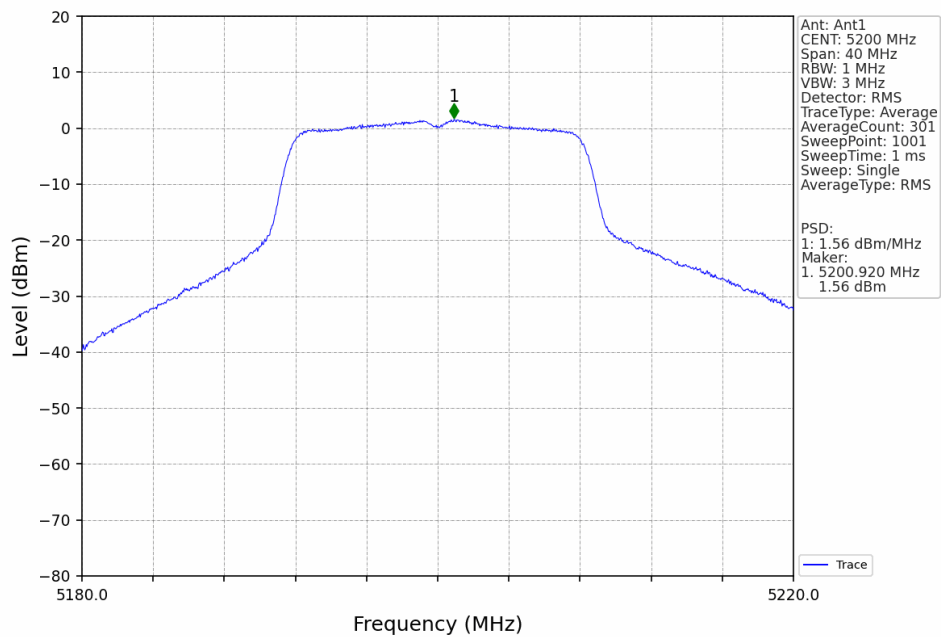
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	1.17	1.31	/	<=11	Pass
		5200	1.56	1.52	/	<=11	Pass
		5240	1.51	0.84	/	<=11	Pass
802.11n (HT20)	MIMO	5180	0.61	0.83	3.62	<=11	Pass
		5200	1.32	1.08	4.21	<=11	Pass
		5240	1.57	0.79	4.21	<=11	Pass
802.11n (HT40)	MIMO	5190	-0.84	-0.67	2.00	<=11	Pass
		5230	-0.72	-1.14	1.95	<=11	Pass
802.11ac (VHT20)	MIMO	5180	0.36	0.88	3.58	<=11	Pass
		5200	1.38	1.14	4.17	<=11	Pass
		5240	1.65	1.17	4.39	<=11	Pass
802.11ac (VHT40)	MIMO	5190	-0.88	-0.84	2.02	<=11	Pass
		5230	-0.36	-1.10	2.17	<=11	Pass
802.11ac (VHT80)	MIMO	5210	-3.52	-4.01	-0.86	<=11	Pass
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi; Note2: Directional Gain: Uncorrelated(Directional Gain = 5.01dBi)							

4.2 Test Graph

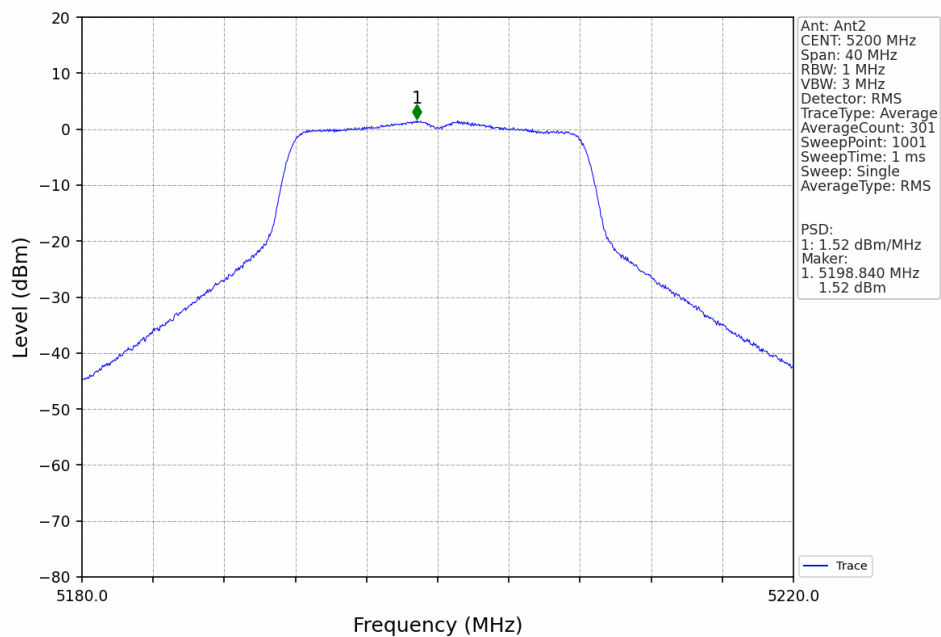
4.2.1 PSD



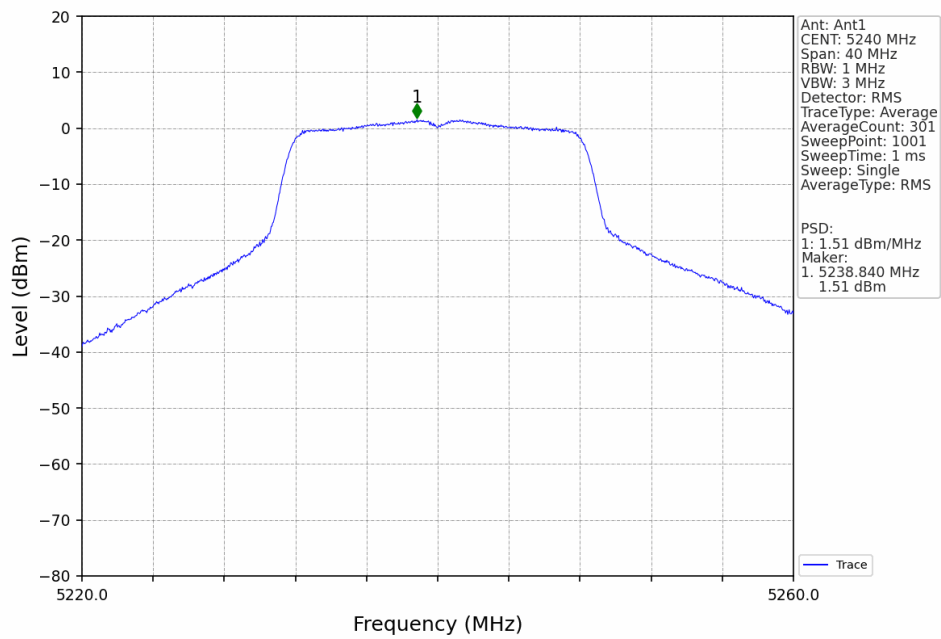
802.11a_MCH_5200MHz_Ant1_NTNV



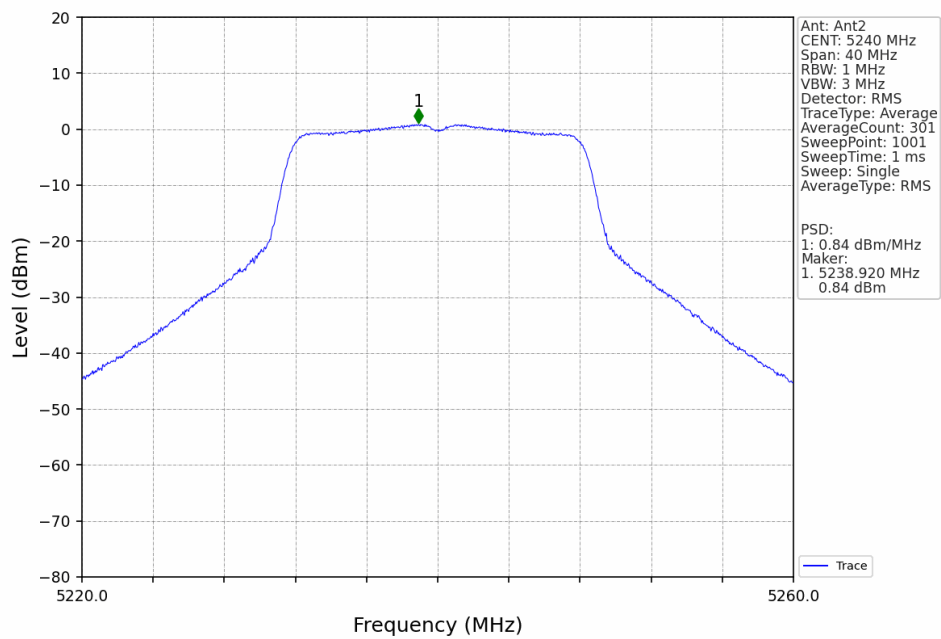
802.11a_MCH_5200MHz_Ant2_NTNV



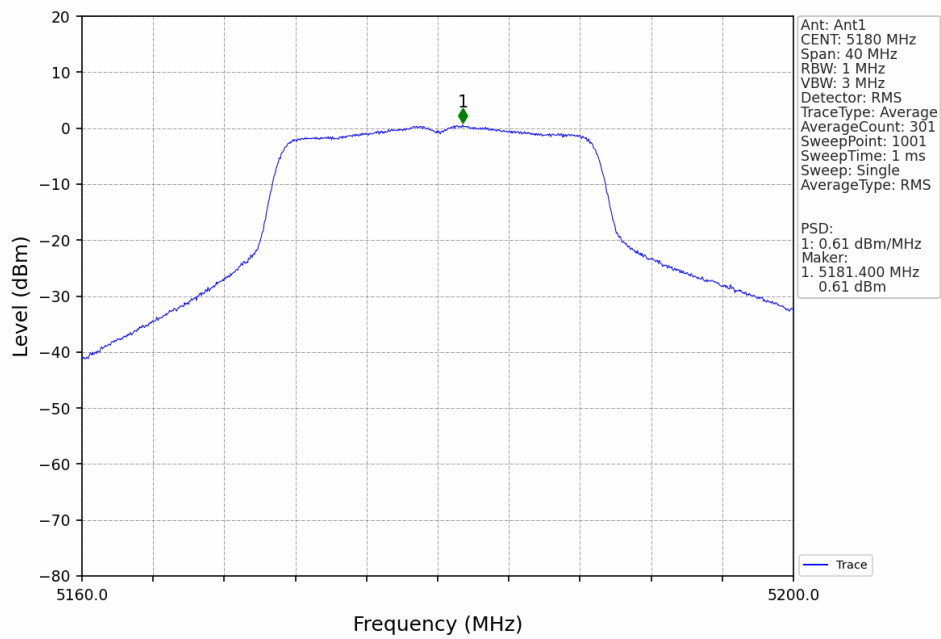
802.11a_HCH_5240MHz_Ant1_NTNV



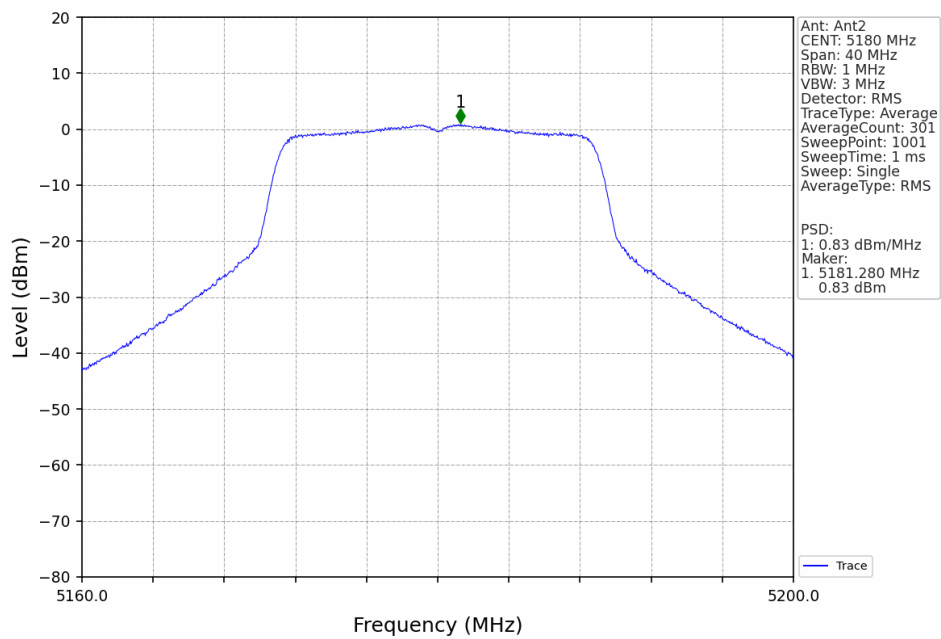
802.11a_HCH_5240MHz_Ant2_NTNV



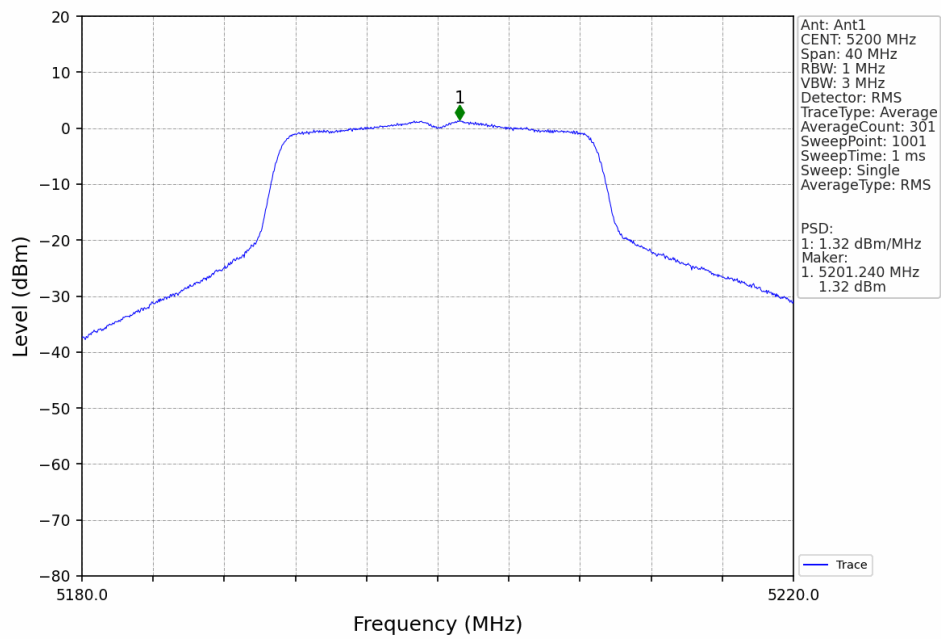
802.11n(HT20) LCH_5180MHz_Ant1_NTNV



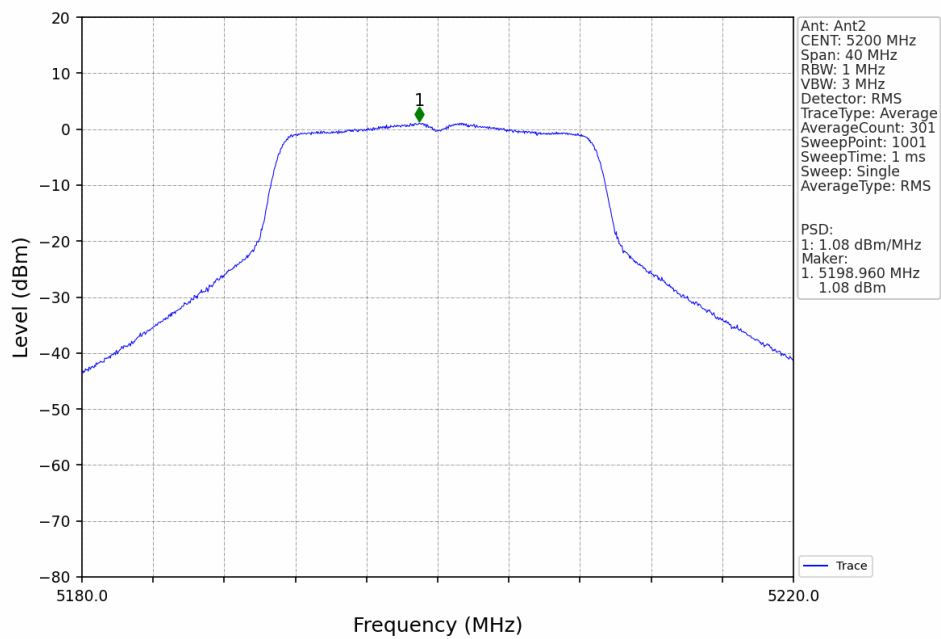
802.11n(HT20) LCH_5180MHz_Ant2_NTNV



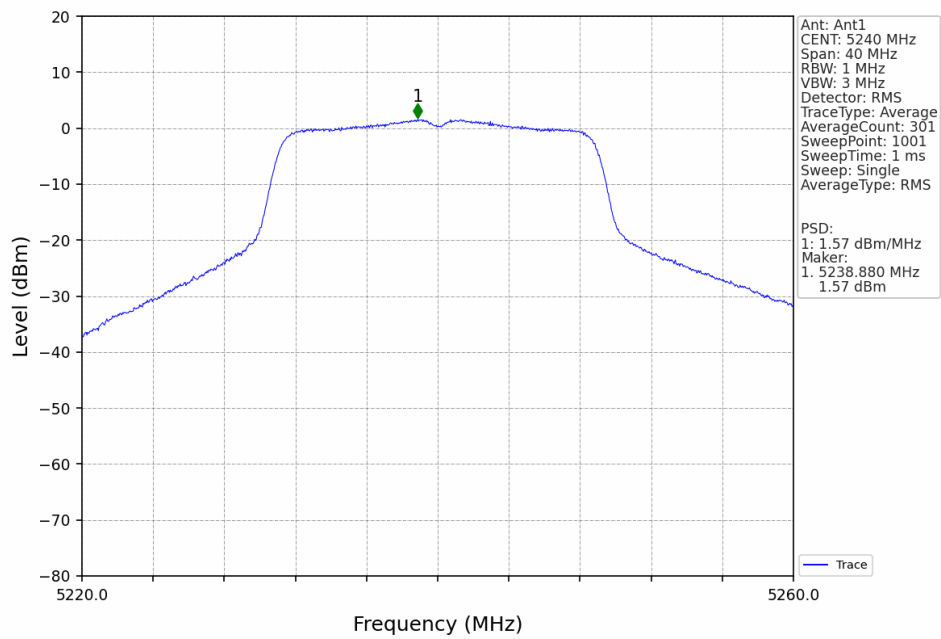
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



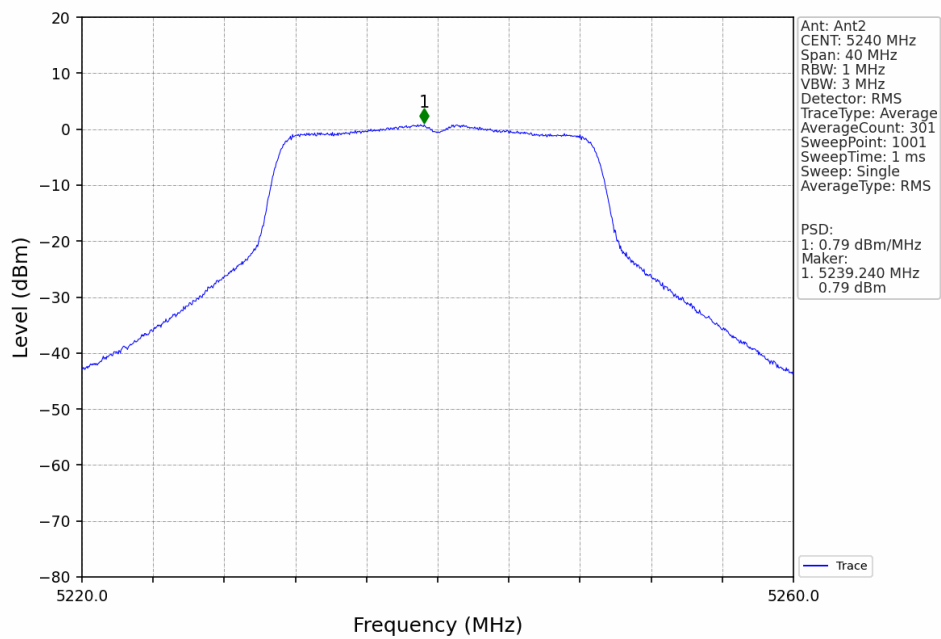
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



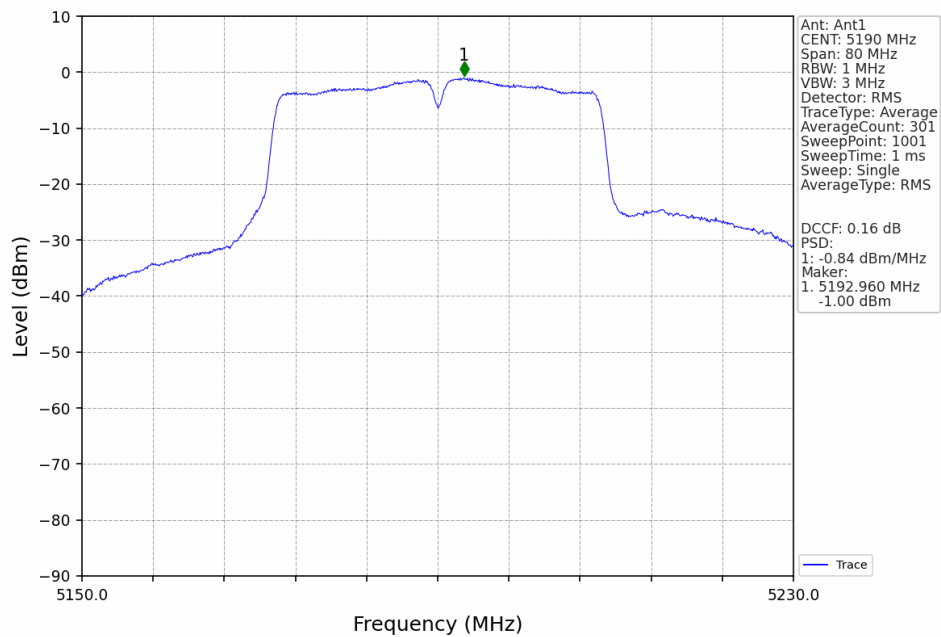
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



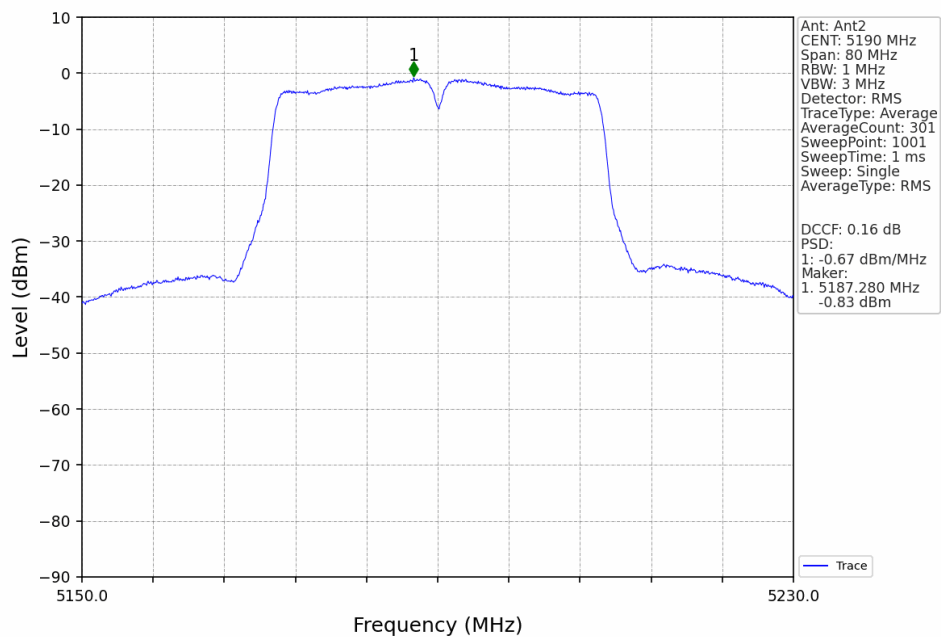
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



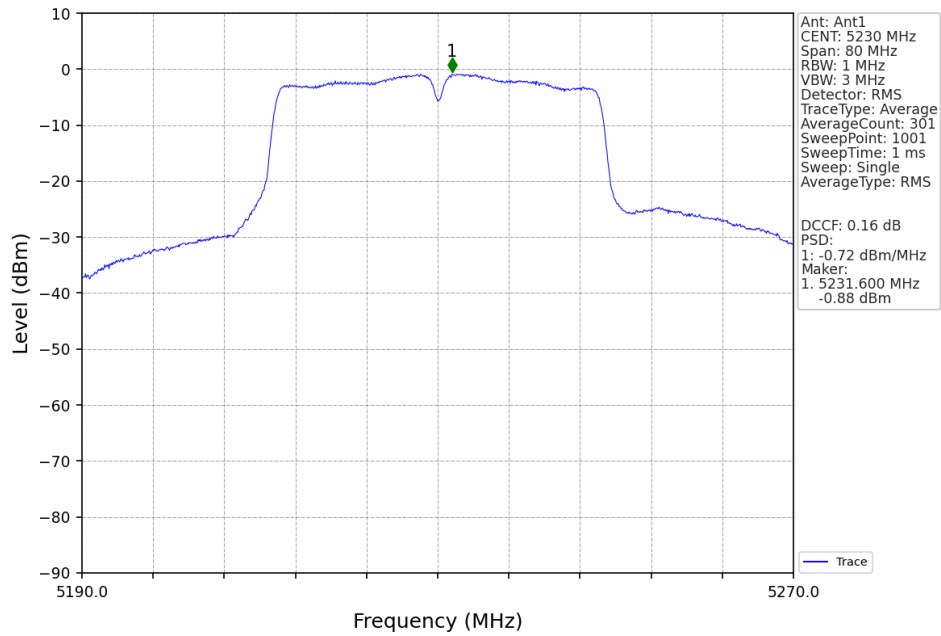
802.11n(HT40) LCH_5190MHz_Ant1_NTNV



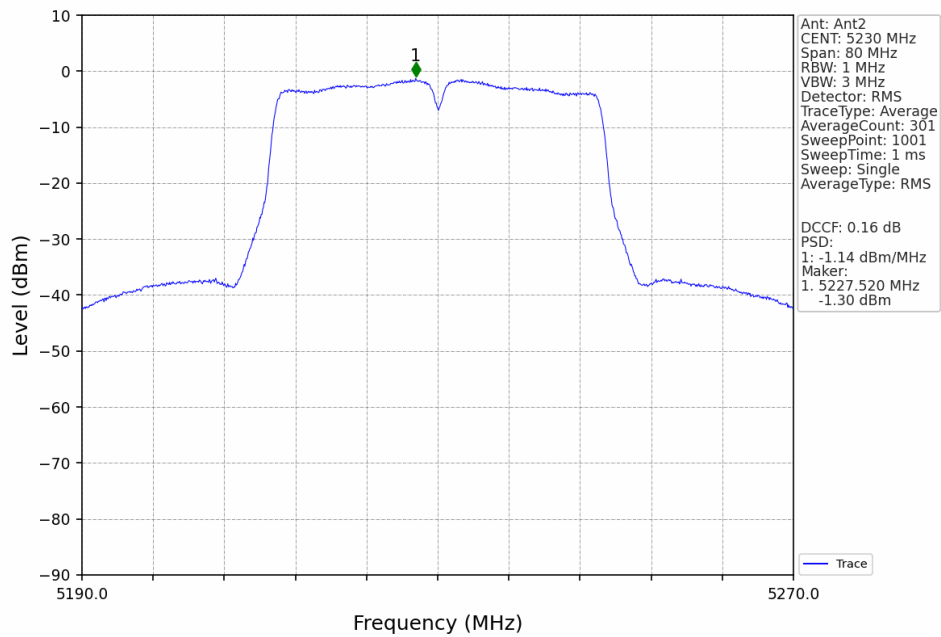
802.11n(HT40) LCH_5190MHz_Ant2_NTNV



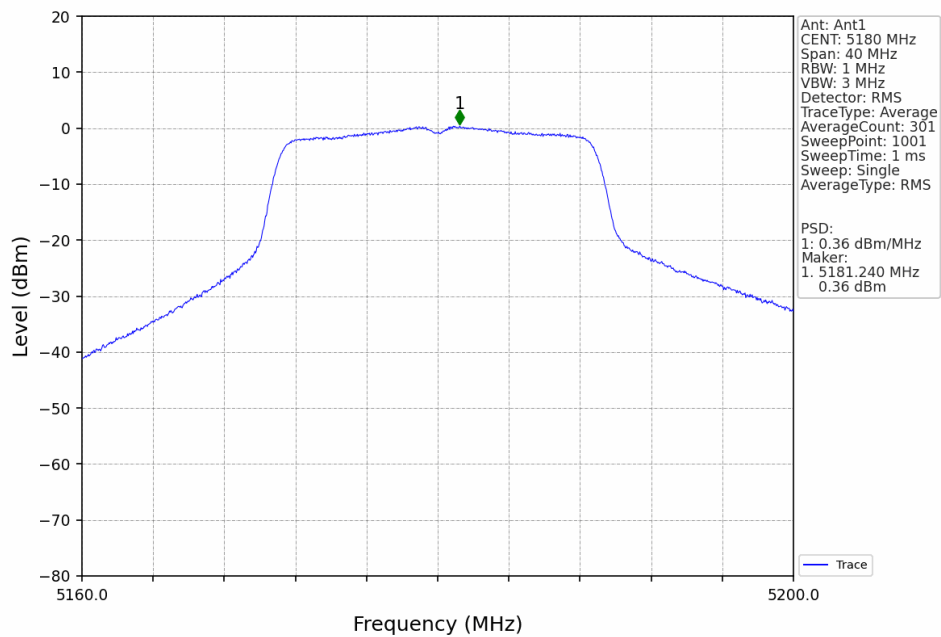
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



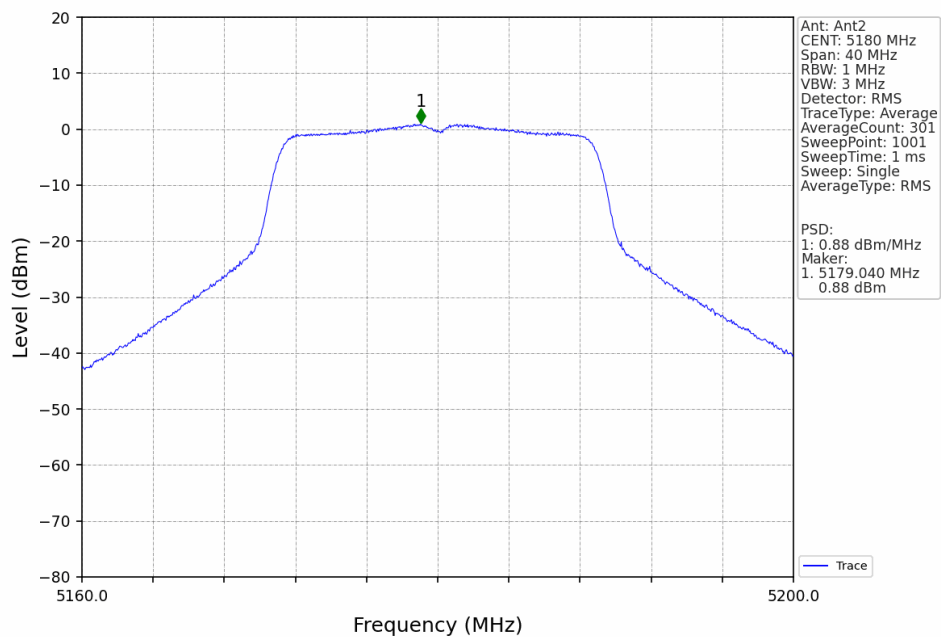
802.11n(HT40) HCH 5230MHz_Ant2_NTNV



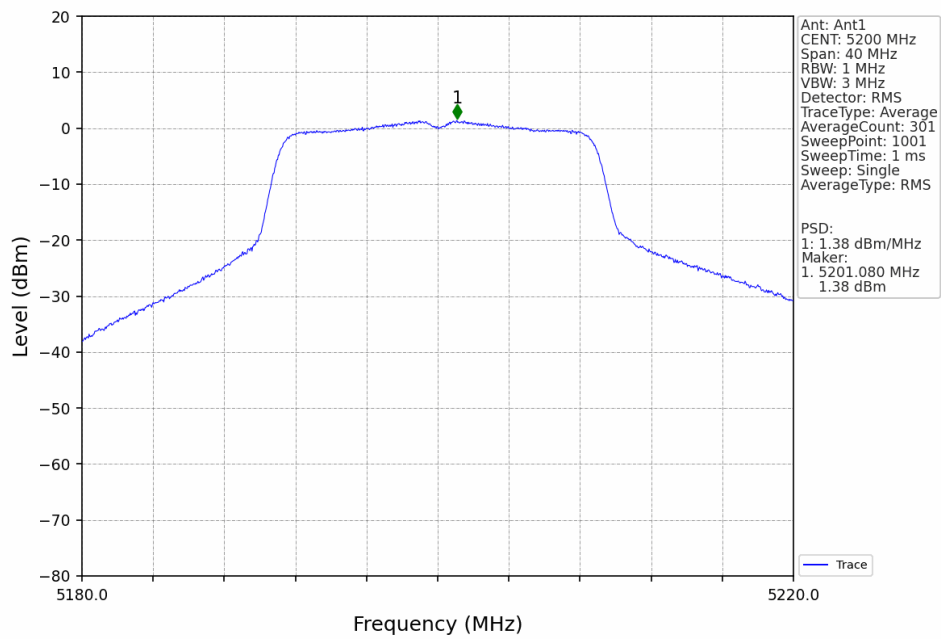
802.11ac(VHT20) LCH_5180MHz_Ant1_NTNV



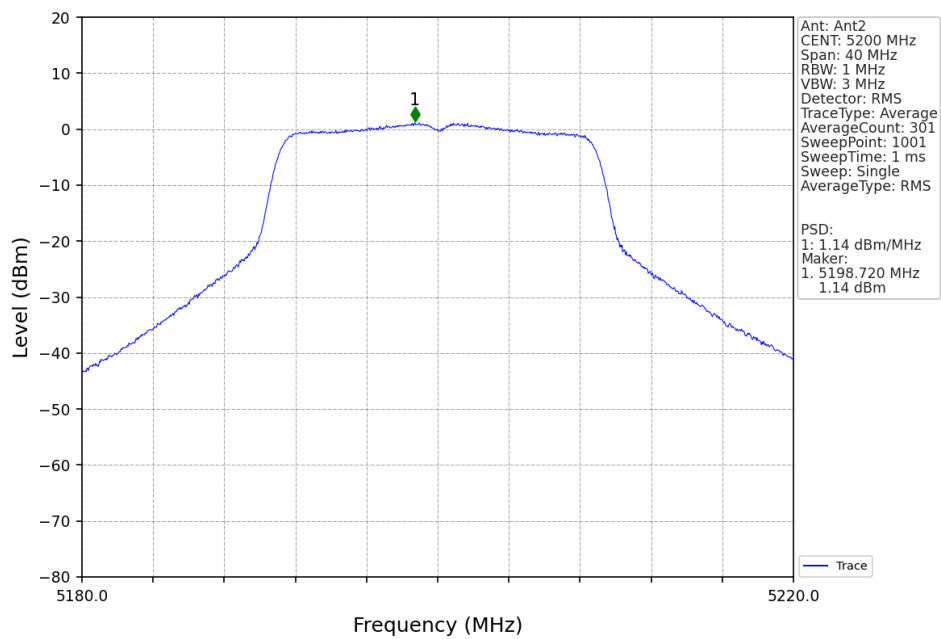
802.11ac(VHT20) LCH_5180MHz_Ant2_NTNV



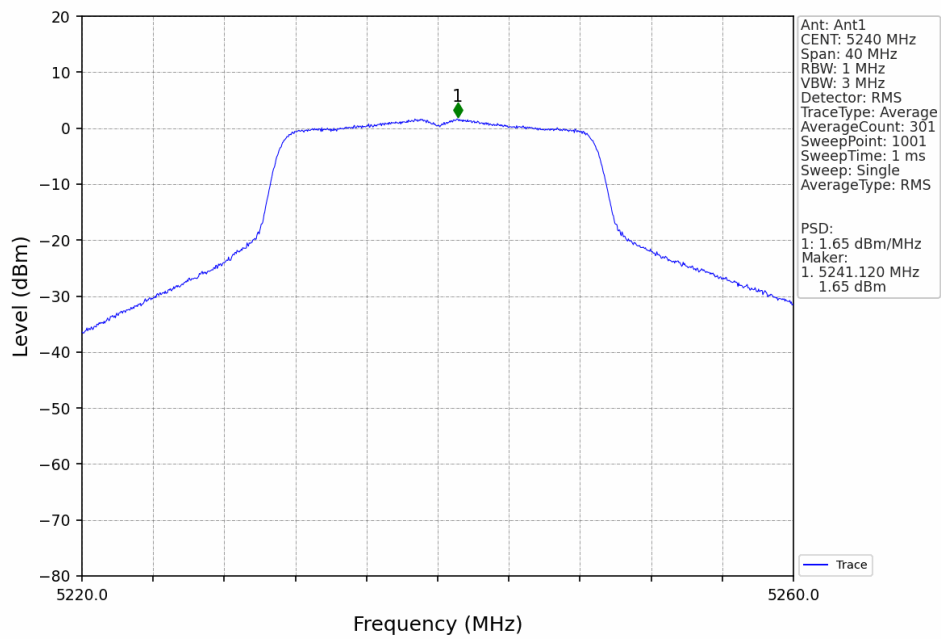
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



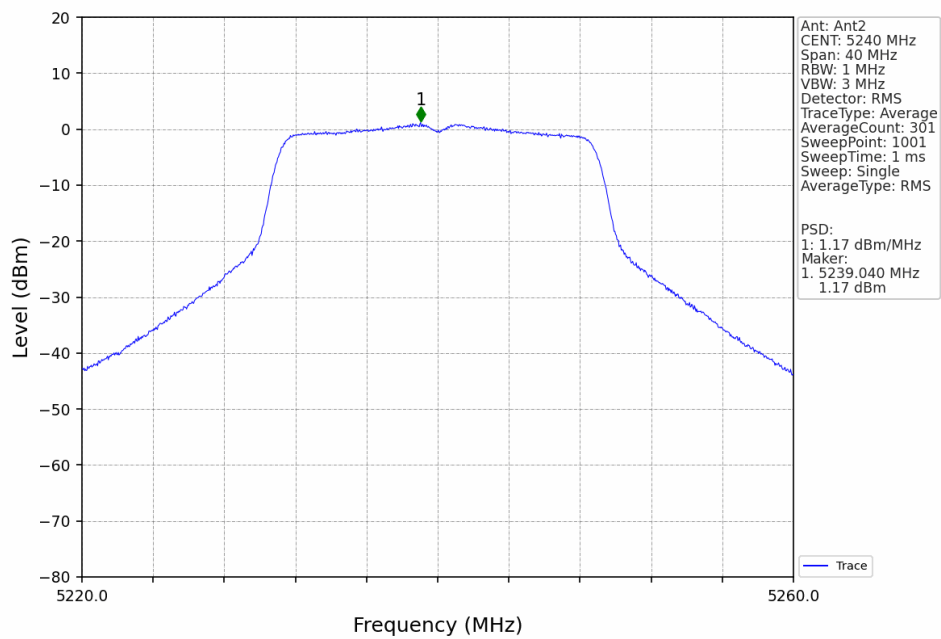
802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



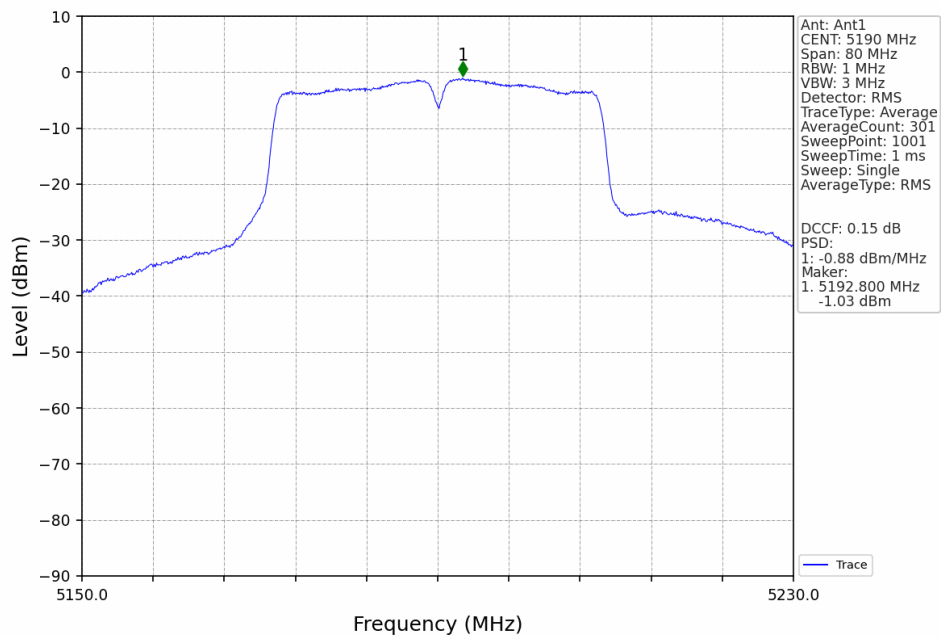
802.11ac(VHT20) HCH 5240MHz_Ant1_NTNV



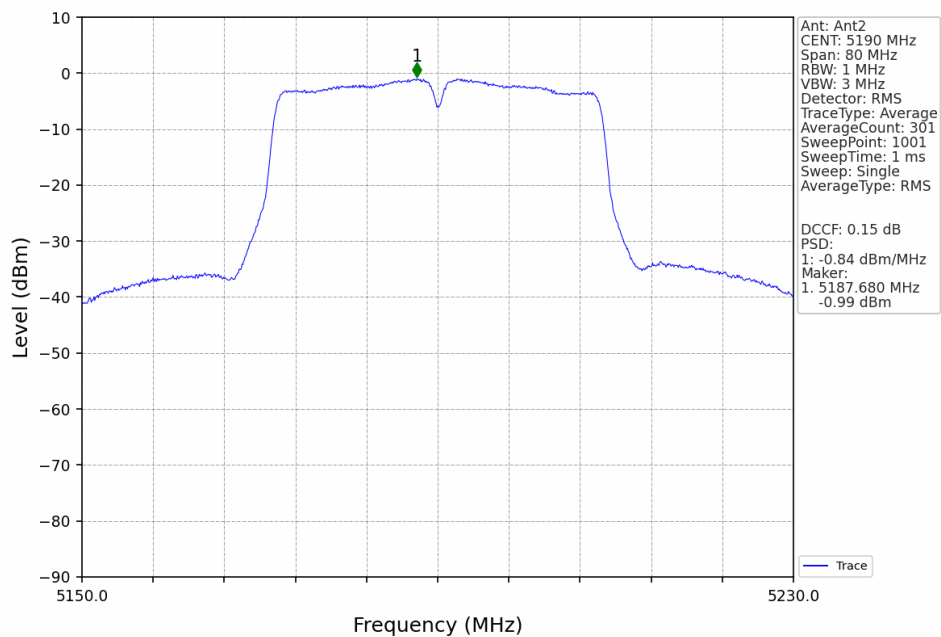
802.11ac(VHT20) HCH 5240MHz_Ant2_NTNV



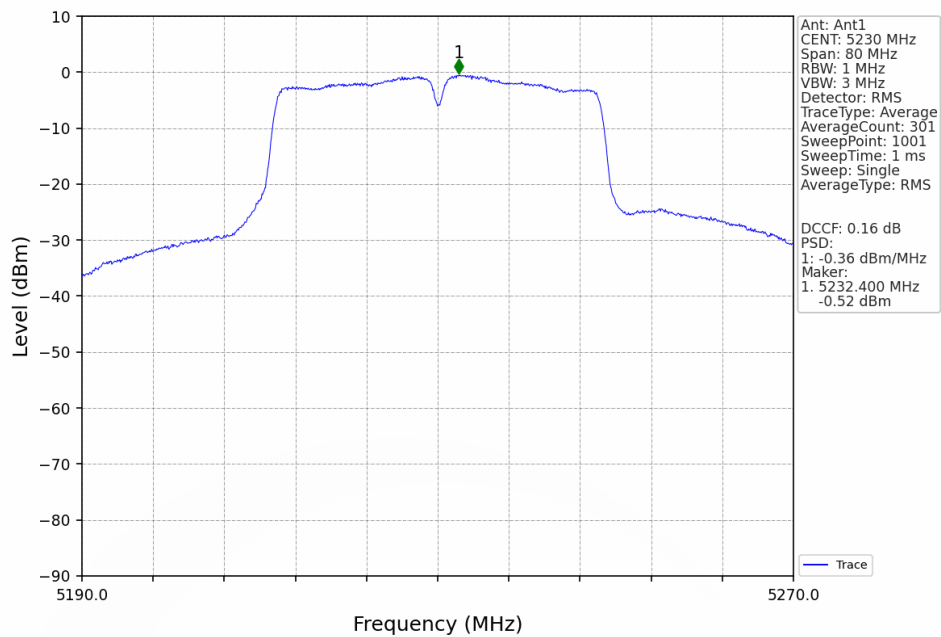
802.11ac(VHT40) LCH_5190MHz_Ant1_NTNV



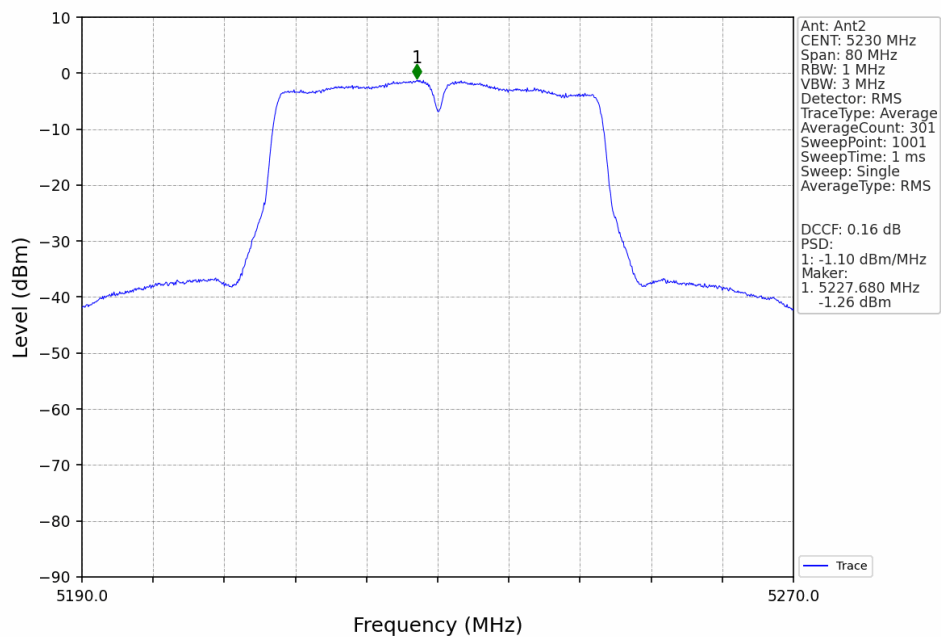
802.11ac(VHT40) LCH_5190MHz_Ant2_NTNV



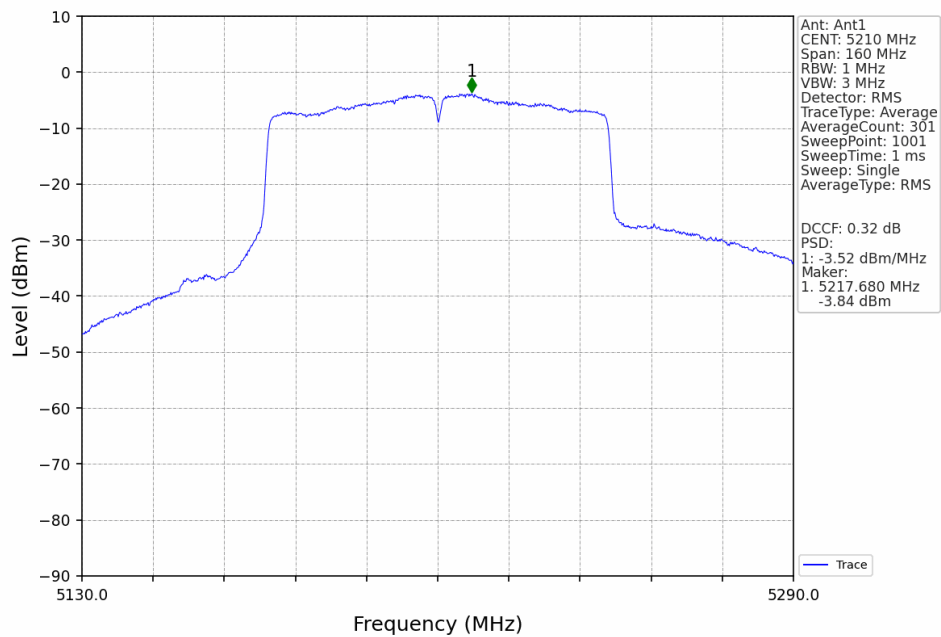
802.11ac(VHT40) HCH 5230MHz_Ant1_NTNV



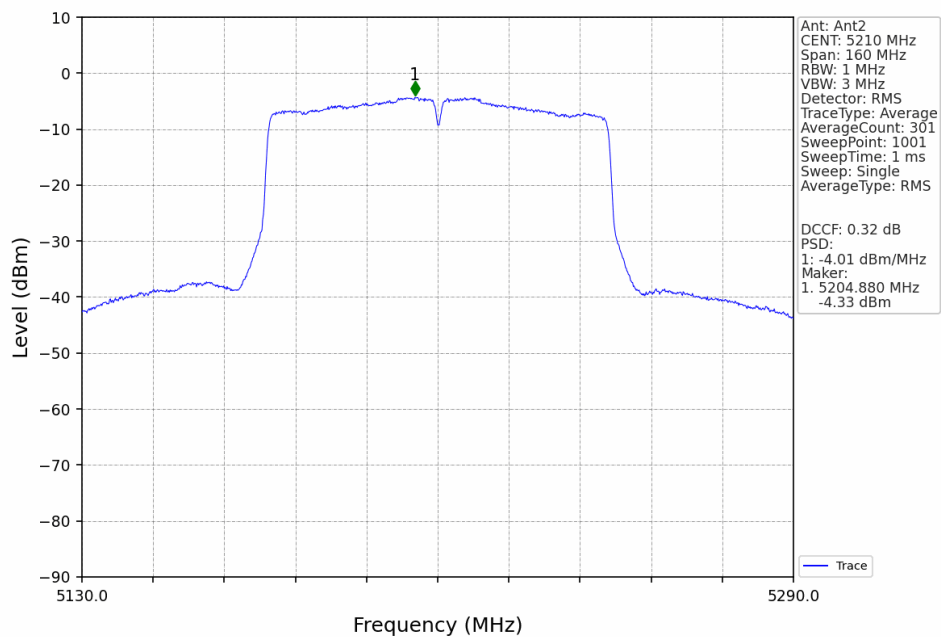
802.11ac(VHT40) HCH 5230MHz_Ant2_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



5. Unwanted Emissions In Restricted Frequency Bands

5.1 Test Result

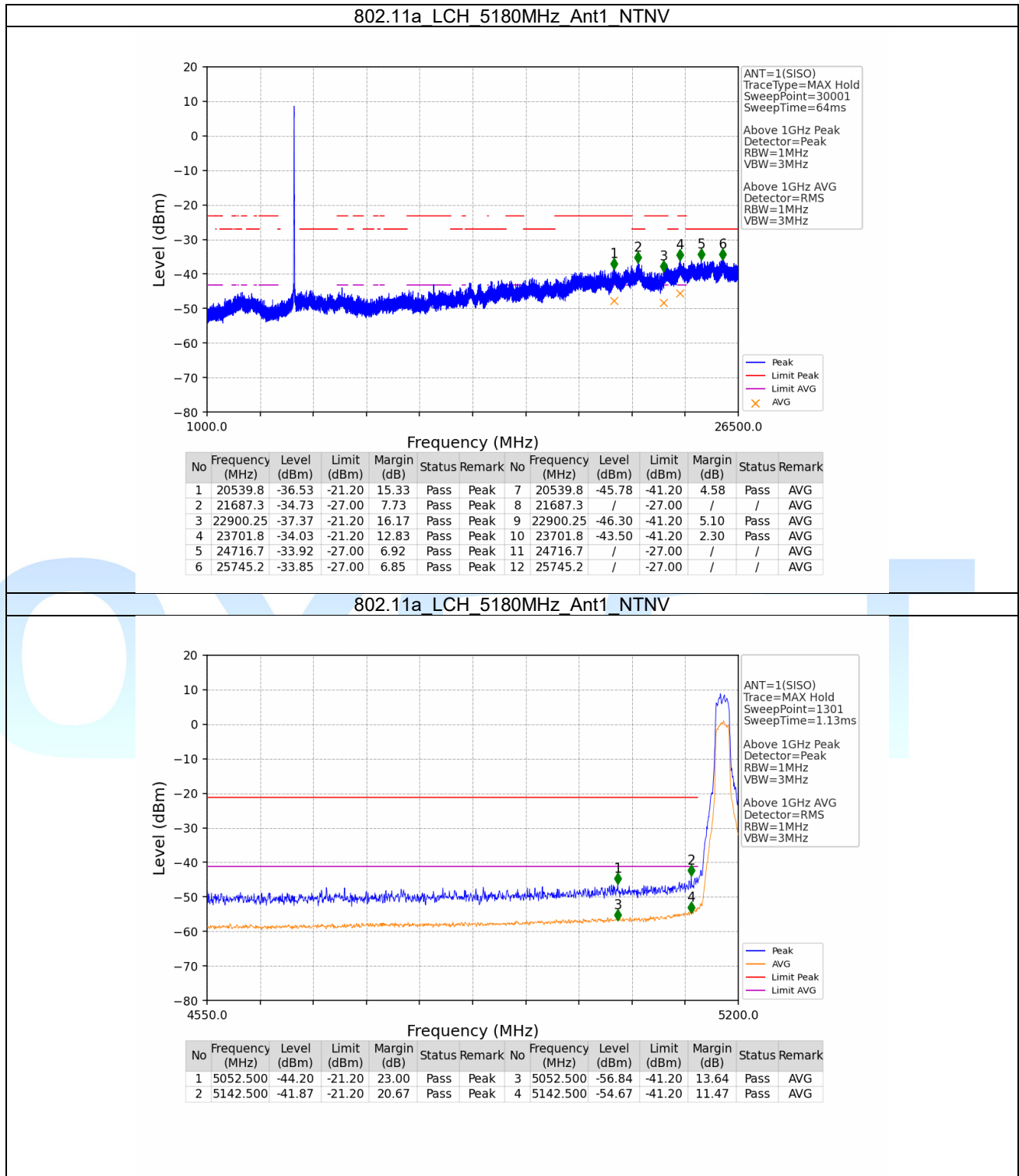
5.1.1 RSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5200	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
		5240	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
802.11n (HT20)	MIMO	5180	MIMO	Refer To Test Graph		Pass
		5200	MIMO	Refer To Test Graph		Pass
		5240	MIMO	Refer To Test Graph		Pass
802.11n (HT40)	MIMO	5190	MIMO	Refer To Test Graph		Pass
		5230	MIMO	Refer To Test Graph		Pass
802.11ac (VHT20)	MIMO	5180	MIMO	Refer To Test Graph		Pass
		5200	MIMO	Refer To Test Graph		Pass
		5240	MIMO	Refer To Test Graph		Pass
802.11ac (VHT40)	MIMO	5190	MIMO	Refer To Test Graph		Pass
		5230	MIMO	Refer To Test Graph		Pass
802.11ac (VHT80)	MIMO	5210	1	Refer To Test Graph		Pass
			2	Refer To Test Graph		Pass
			MIMO	Refer To Test Graph		Pass

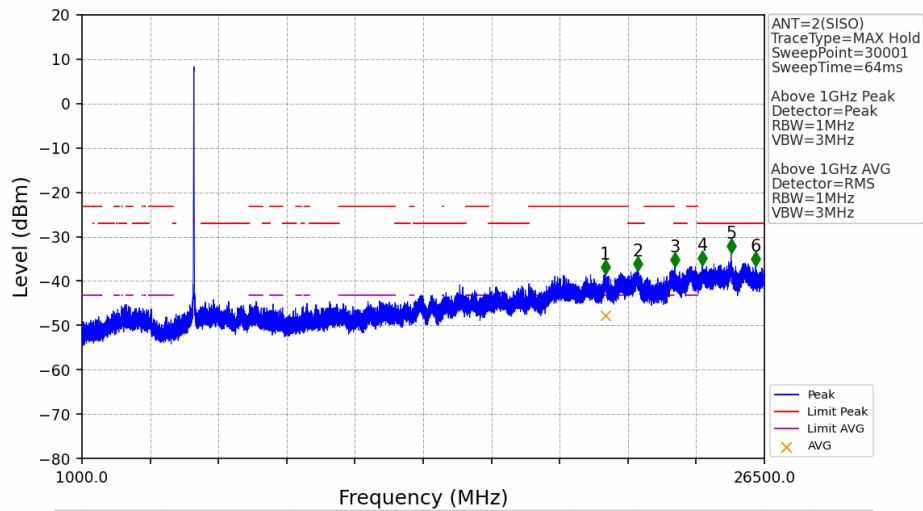
Note1: level contains DCCF and antenna gain
Note2: Margin=Limit- level

5.2 Test Graph

5.2.1 RSE

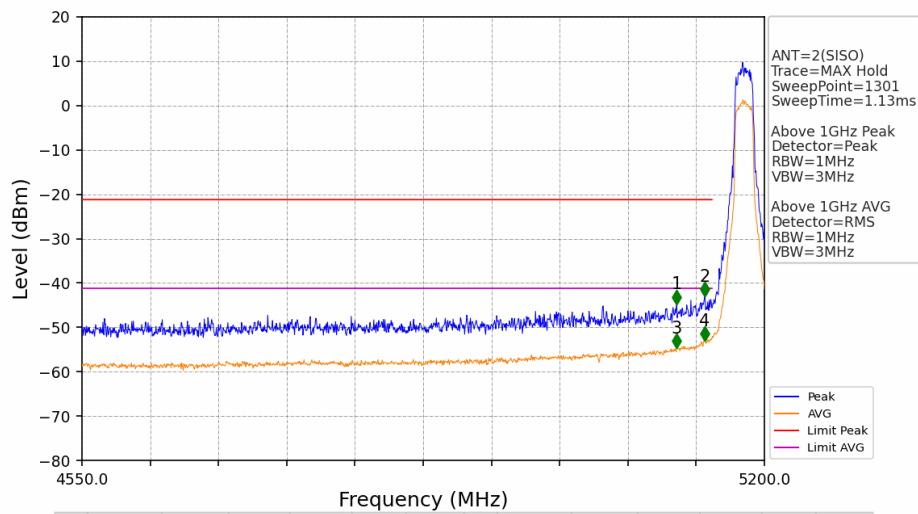


802.11a_LCH_5180MHz_Ant2_NTNV



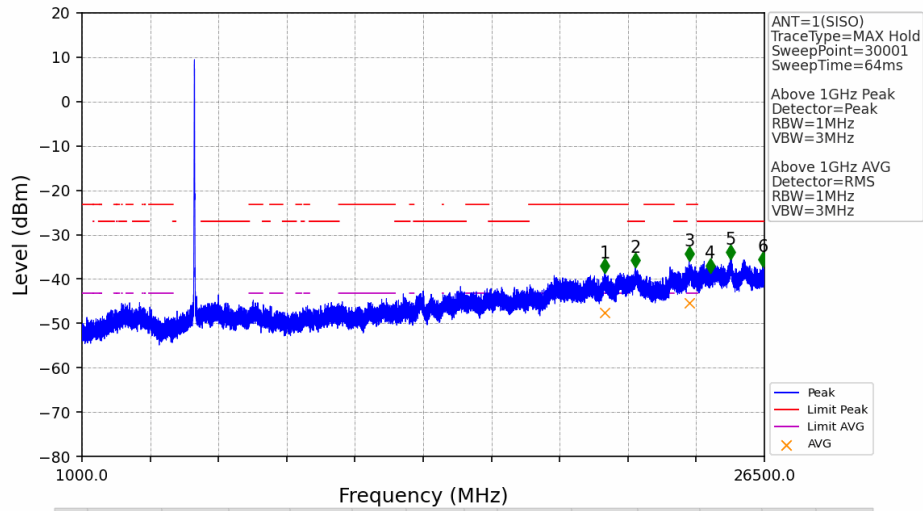
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20549.15	-36.40	-21.20	15.20	Pass	Peak	7	20549.15	-45.69	-41.20	4.49	Pass	AVG
2	21767.2	-35.62	-27.00	8.62	Pass	Peak	8	21767.2	/	-27.00	/	/	AVG
3	23152.7	-34.71	-27.00	7.71	Pass	Peak	9	23152.7	/	-27.00	/	/	AVG
4	24183.75	-34.48	-27.00	7.49	Pass	Peak	10	24183.75	/	-27.00	/	/	AVG
5	25256.45	-31.69	-27.00	4.69	Pass	Peak	11	25256.45	/	-27.00	/	/	AVG
6	26171.9	-34.60	-27.00	7.60	Pass	Peak	12	26171.9	/	-27.00	/	/	AVG

802.11a_LCH_5180MHz_Ant2_NTNV



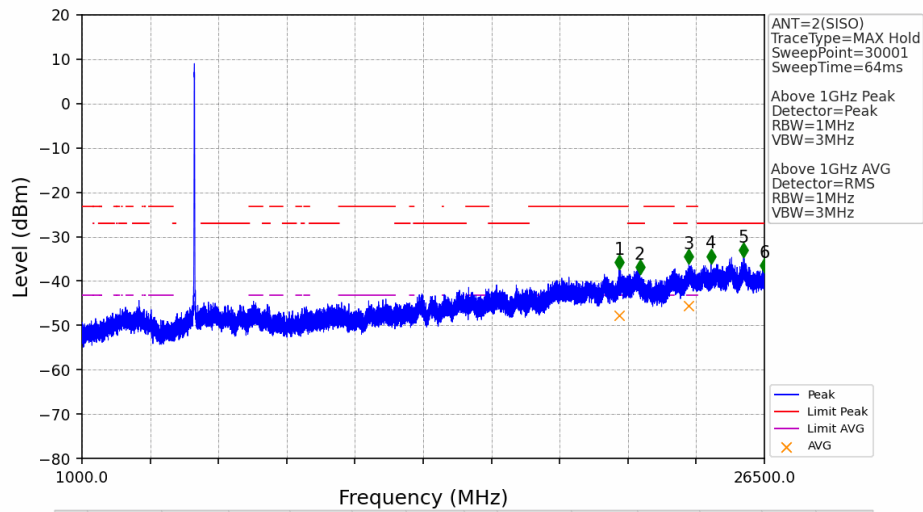
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5116.500	-42.70	-21.20	21.50	Pass	Peak	3	5116.500	-54.66	-41.20	11.46	Pass	AVG
2	5143.000	-40.97	-21.20	19.77	Pass	Peak	4	5143.000	-53.03	-41.20	9.83	Pass	AVG

802.11a_MCH_5200MHz_Ant1_NTNV



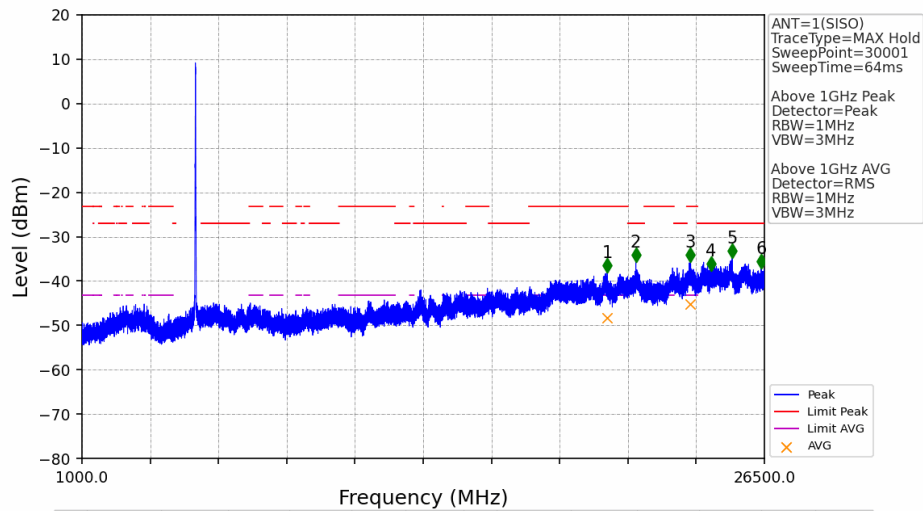
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20533.85	-36.66	-21.20	15.46	Pass Peak	7	20533.85	-45.50	-41.20	4.30	Pass AVG
2	21679.65	-35.30	-27.00	8.30	Pass Peak	8	21679.65	/	-27.00	/	/ AVG
3	23687.35	-33.84	-21.20	12.64	Pass Peak	9	23687.35	-43.33	-41.20	2.12	Pass AVG
4	24465.95	-36.57	-27.00	9.57	Pass Peak	10	24465.95	/	-27.00	/	/ AVG
5	25231.8	-33.52	-27.00	6.52	Pass Peak	11	25231.8	/	-27.00	/	/ AVG
6	26435.4	-35.09	-27.00	8.09	Pass Peak	12	26435.4	/	-27.00	/	/ AVG

802.11a_MCH_5200MHz_Ant2_NTNV



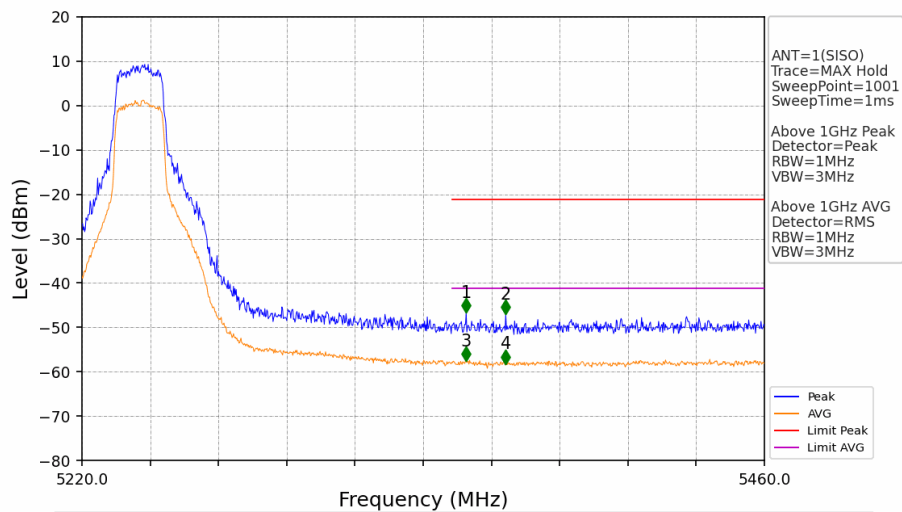
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	21074.45	-35.24	-21.20	14.04	Pass Peak	7	21074.45	-45.74	-41.20	4.54	Pass AVG
2	21846.25	-36.38	-27.00	9.38	Pass Peak	8	21846.25	/	-27.00	/	/ AVG
3	23679.7	-34.01	-21.20	12.81	Pass Peak	9	23679.7	-43.49	-41.20	2.29	Pass AVG
4	24505.9	-33.95	-27.00	6.95	Pass Peak	10	24505.9	/	-27.00	/	/ AVG
5	25721.4	-32.52	-27.00	5.52	Pass Peak	11	25721.4	/	-27.00	/	/ AVG
6	26490.65	-36.01	-27.00	9.01	Pass Peak	12	26490.65	/	-27.00	/	/ AVG

802.11a_HCH_5240MHz_Ant1_NTNV



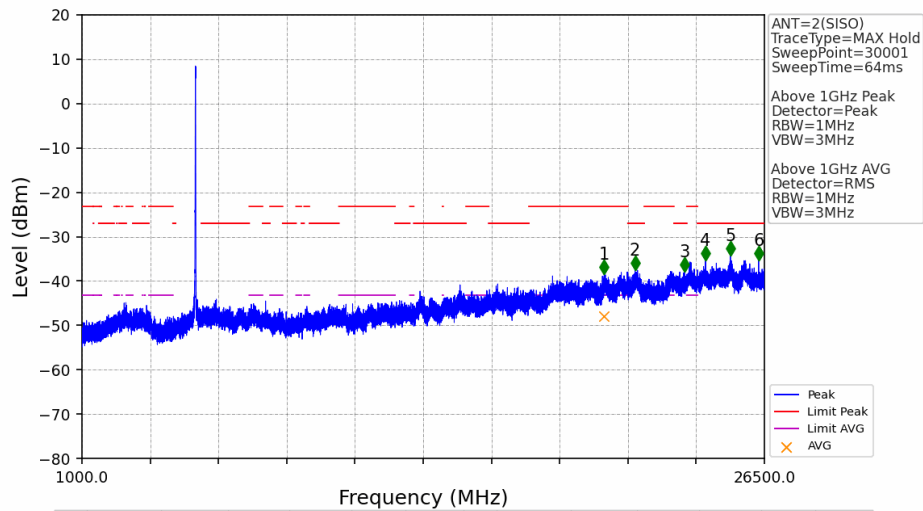
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20626.5	-36.01	-21.20	14.81	Pass	Peak	7	20626.5	-46.26	-41.20	5.06	Pass	AVG
2	21695.8	-33.63	-27.00	6.63	Pass	Peak	8	21695.8	/	-27.00	/	/	AVG
3	23736.65	-33.72	-21.20	12.52	Pass	Peak	9	23736.65	-43.16	-41.20	1.96	Pass	AVG
4	24510.15	-35.61	-27.00	8.61	Pass	Peak	10	24510.15	/	-27.00	/	/	AVG
5	25293.85	-32.84	-27.00	5.84	Pass	Peak	11	25293.85	/	-27.00	/	/	AVG
6	26379.3	-35.15	-27.00	8.14	Pass	Peak	12	26379.3	/	-27.00	/	/	AVG

802.11a_HCH_5240MHz_Ant1_NTNV



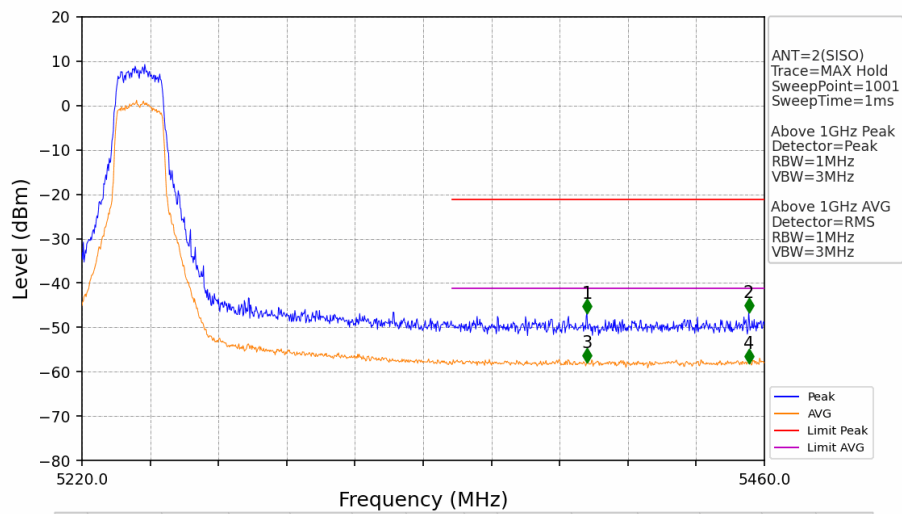
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5355.120	-44.62	-21.20	23.43	Pass	Peak	3	5355.120	-57.50	-41.20	14.30	Pass	AVG
2	5369.040	-44.97	-21.20	23.77	Pass	Peak	4	5369.040	-58.18	-41.20	14.98	Pass	AVG

802.11a_HCH_5240MHz_Ant2_NTNV



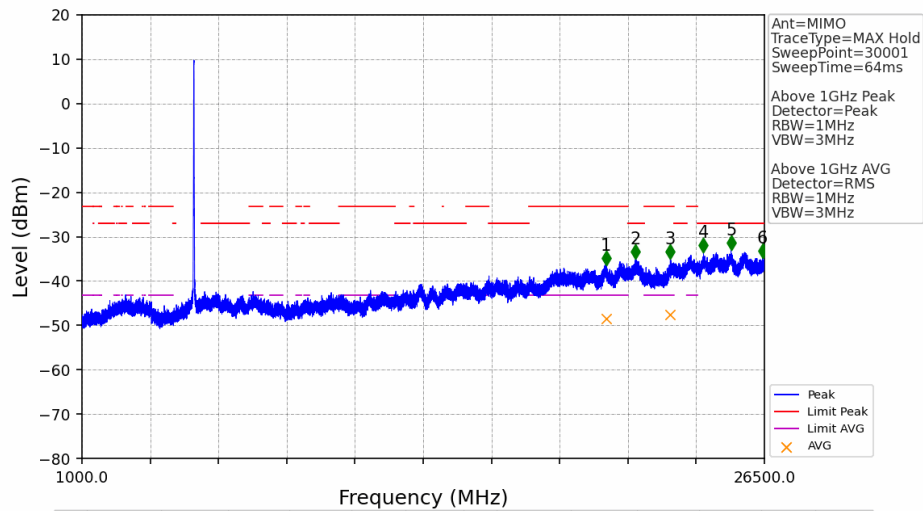
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20514.3	-36.37	-21.20	15.17	Pass	Peak	7	20514.3	-45.87	-41.20	4.67	Pass	AVG
2	21663.5	-35.43	-27.00	8.43	Pass	Peak	8	21663.5	/	-27.00	/	/	AVG
3	23508	-35.78	-27.00	8.79	Pass	Peak	9	23508	/	-27.00	/	/	AVG
4	24301.05	-33.29	-27.00	6.29	Pass	Peak	10	24301.05	/	-27.00	/	/	AVG
5	25230.1	-32.26	-27.00	5.26	Pass	Peak	11	25230.1	/	-27.00	/	/	AVG
6	26284.1	-33.38	-27.00	6.38	Pass	Peak	12	26284.1	/	-27.00	/	/	AVG

802.11a_HCH_5240MHz_Ant2_NTNV



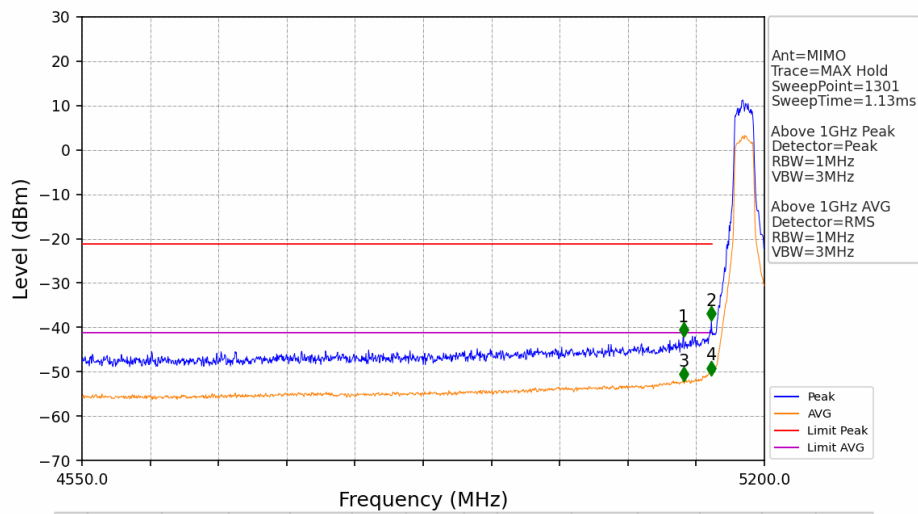
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5397.600	-44.87	-21.20	23.67	Pass	Peak	3	5397.600	-57.85	-41.20	14.65	Pass	AVG
2	5454.480	-44.53	-21.20	23.33	Pass	Peak	4	5454.480	-58.04	-41.20	14.84	Pass	AVG

802.11n(HT20)_LCH_5180MHz_MIMO_NTNV



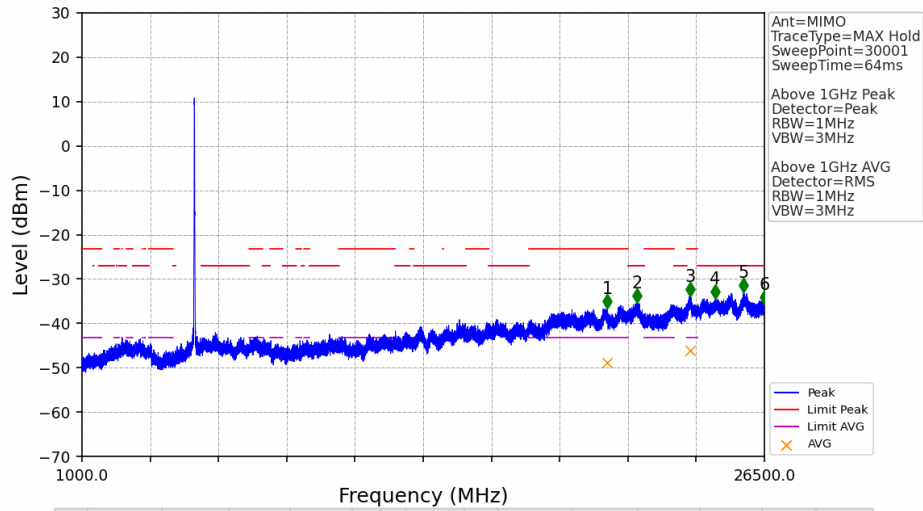
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20578.9	-34.34	-21.20	13.14	Pass	Peak	7	20578.9	-46.54	-41.20	5.34	Pass	AVG
2	21685.6	-32.92	-27.00	5.92	Pass	Peak	8	21685.6	/	-27.00	/	/	AVG
3	22985.25	-32.90	-21.20	11.70	Pass	Peak	9	22985.25	-45.63	-41.20	4.43	Pass	AVG
4	24223.7	-31.50	-27.00	4.50	Pass	Peak	10	24223.7	/	-27.00	/	/	AVG
5	25252.2	-30.98	-27.00	3.98	Pass	Peak	11	25252.2	/	-27.00	/	/	AVG
6	26428.6	-32.76	-27.00	5.75	Pass	Peak	12	26428.6	/	-27.00	/	/	AVG

802.11n(HT20)_LCH_5180MHz_MIMO_NTNV



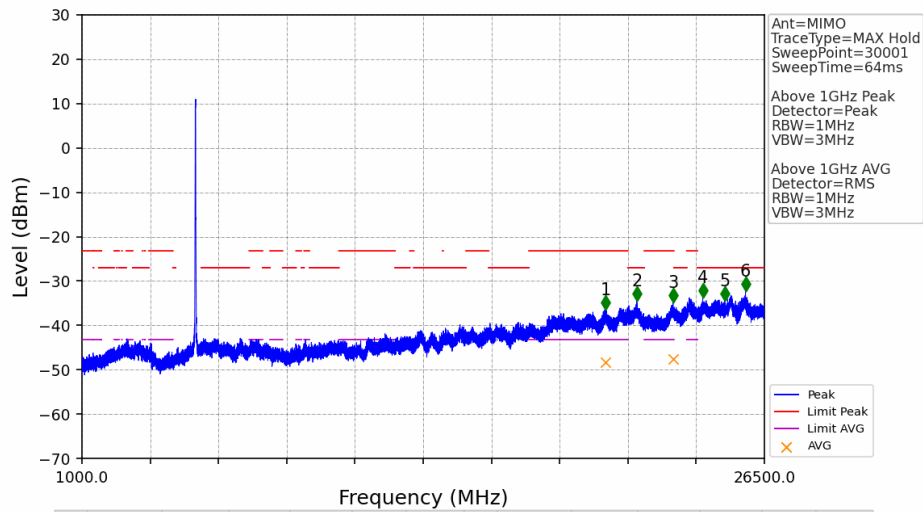
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5123.000	-40.15	-21.20	18.95	Pass	Peak	3	5123.000	-52.08	-41.20	8.88	Pass	AVG
2	5149.500	-36.50	-21.20	15.30	Pass	Peak	4	5149.500	-50.73	-41.20	7.53	Pass	AVG

802.11n(HT20)_MCH_5200MHz_MIMO_NTNV



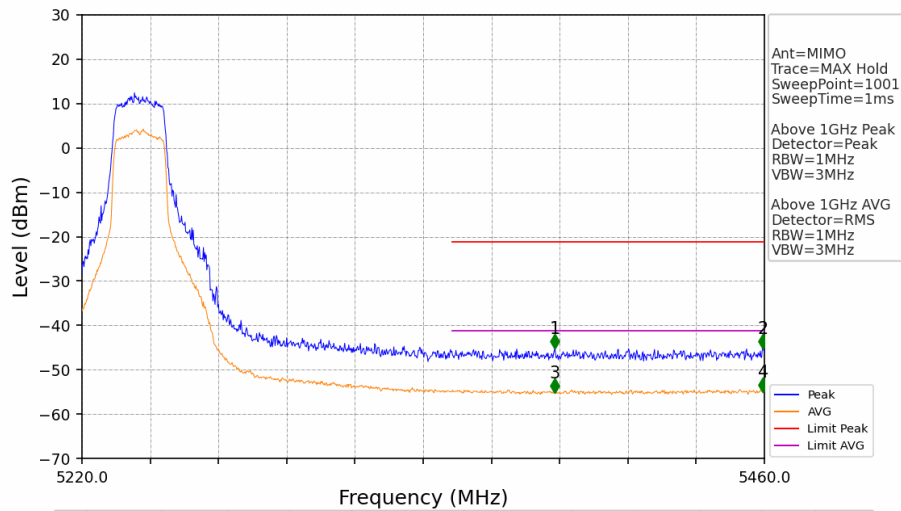
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20623.95	-34.67	-21.20	13.47	Pass Peak	7	20623.95	-46.87	-41.20	5.67	Pass AVG
2	21745.95	-33.26	-27.00	6.26	Pass Peak	8	21745.95	/	-27.00	/	/ AVG
3	23735.8	-31.80	-21.20	10.60	Pass Peak	9	23735.8	-44.08	-41.20	2.88	Pass AVG
4	24660.6	-32.40	-27.00	5.39	Pass Peak	10	24660.6	/	-27.00	/	/ AVG
5	25722.25	-31.00	-27.00	4.00	Pass Peak	11	25722.25	/	-27.00	/	/ AVG
6	26493.2	-33.65	-27.00	6.65	Pass Peak	12	26493.2	/	-27.00	/	/ AVG

802.11n(HT20)_HCH_5240MHz_MIMO_NTNV

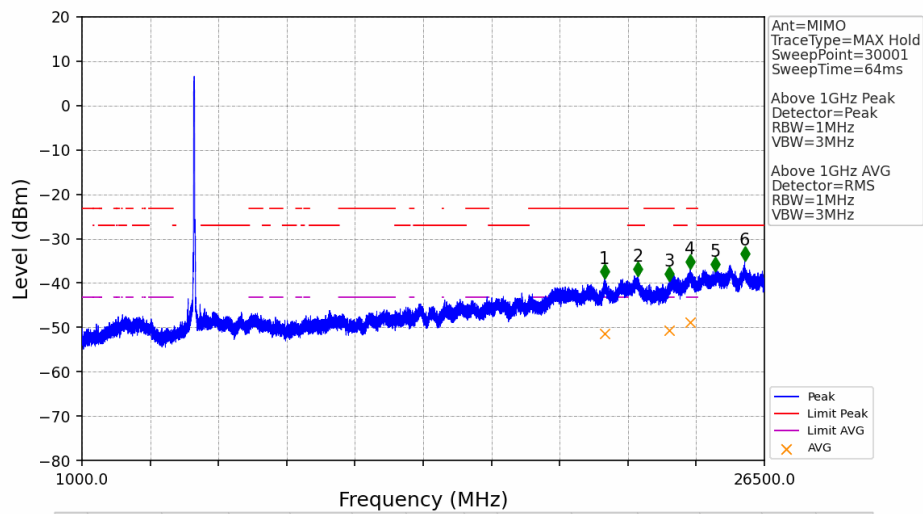


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20566.15	-34.40	-21.20	13.20	Pass Peak	7	20566.15	-46.33	-41.20	5.13	Pass AVG
2	21733.2	-32.40	-27.00	5.40	Pass Peak	8	21733.2	/	-27.00	/	/ AVG
3	23085.55	-32.77	-21.20	11.57	Pass Peak	9	23085.55	-45.55	-41.20	4.35	Pass AVG
4	24194.8	-31.74	-27.00	4.74	Pass Peak	10	24194.8	/	-27.00	/	/ AVG
5	25009.95	-32.46	-27.00	5.46	Pass Peak	11	25009.95	/	-27.00	/	/ AVG
6	25792.8	-30.16	-27.00	3.16	Pass Peak	12	25792.8	/	-27.00	/	/ AVG

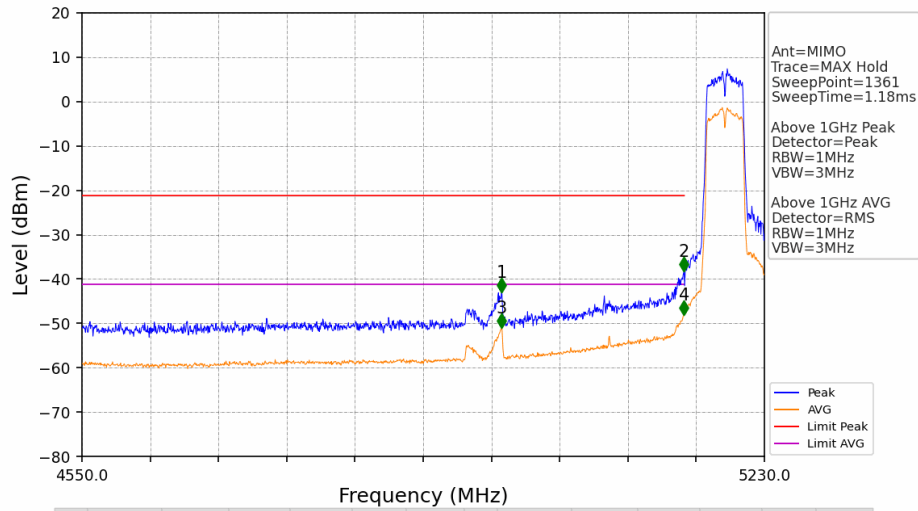
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



802.11n(HT40)_LCH_5190MHz_MIMO_NTNV

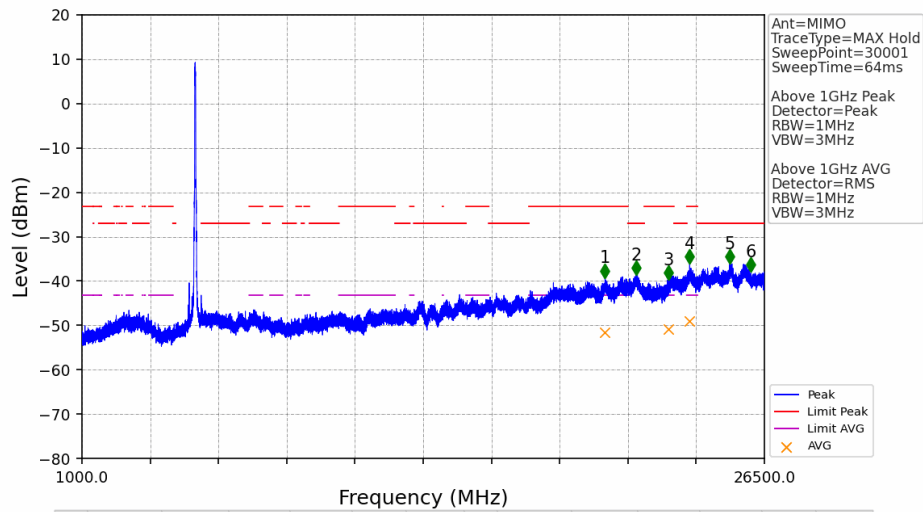


802.11n(HT40)_LCH_5190MHz_MIMO_NTNV



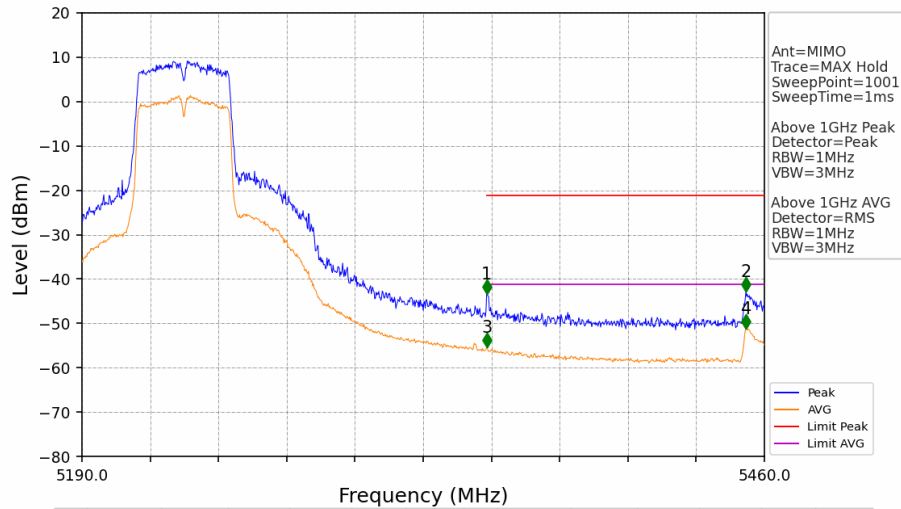
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	4968.000	-41.04	-21.20	19.84	Pass Peak	3	4968.000	-51.02	-41.20	7.82	Pass AVG
2	5150.000	-36.19	-21.20	14.99	Pass Peak	4	5150.000	-48.06	-41.20	4.86	Pass AVG

802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



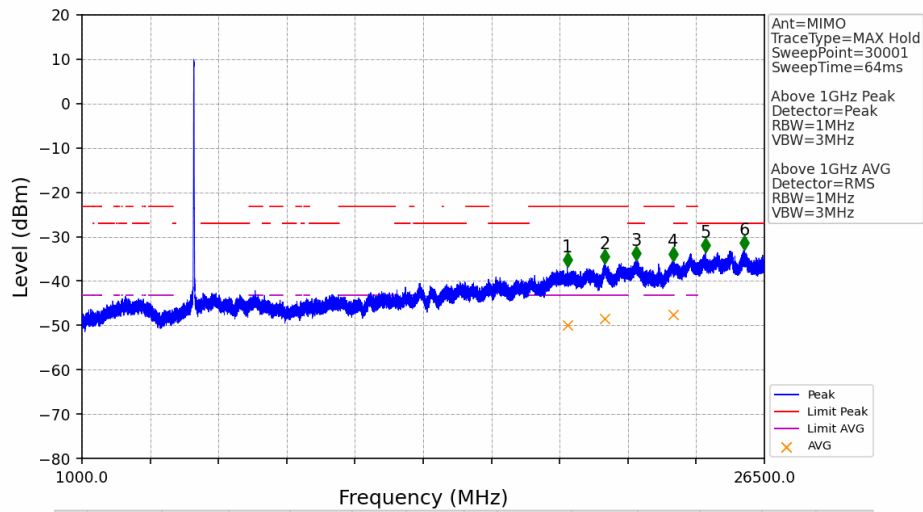
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20544.9	-37.24	-21.20	16.04	Pass Peak	7	20544.9	-49.61	-41.20	8.41	Pass AVG
2	21717.9	-36.59	-27.00	9.59	Pass Peak	8	21717.9	/	-27.00	/	Pass AVG
3	22920.65	-37.71	-21.20	16.51	Pass Peak	9	22920.65	-48.94	-41.20	7.74	Pass AVG
4	23707.75	-34.01	-21.20	12.81	Pass Peak	10	23707.75	-47.04	-41.20	5.84	Pass AVG
5	25211.4	-34.09	-27.00	7.09	Pass Peak	11	25211.4	/	-27.00	/	Pass AVG
6	25998.5	-35.81	-27.00	8.81	Pass Peak	12	25998.5	/	-27.00	/	Pass AVG

802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



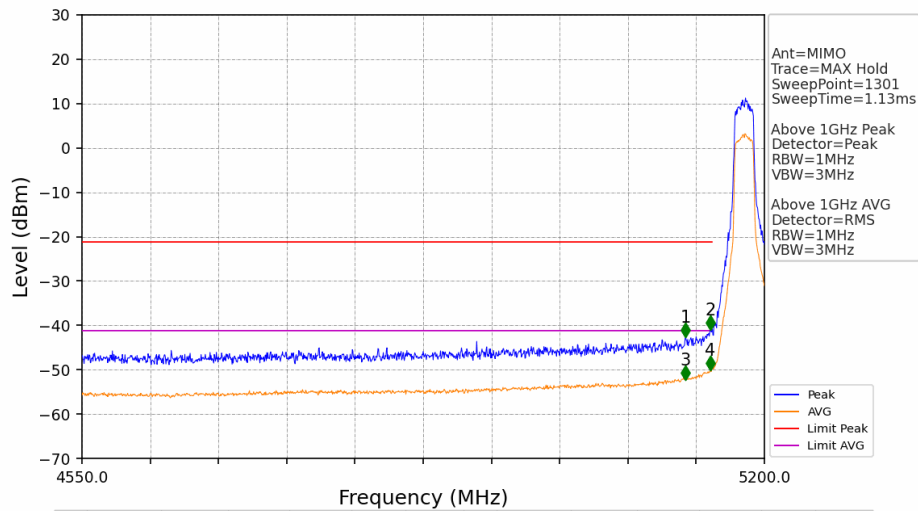
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5350.110	-41.30	-21.20	20.09	Pass	Peak	3	5350.110	-55.33	-41.20	12.13	Pass	AVG
2	5452.710	-40.72	-21.20	19.52	Pass	Peak	4	5452.710	-51.19	-41.20	7.99	Pass	AVG

802.11ac(VHT20)_LCH_5180MHz_MIMO_NTNV



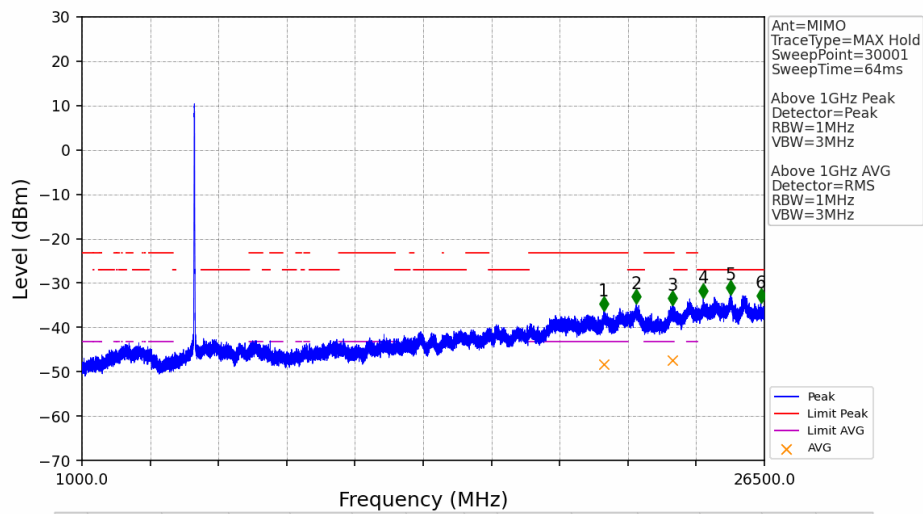
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19133.9	-34.80	-21.20	13.60	Pass	Peak	7	19133.9	-48.02	-41.20	6.83	Pass	AVG
2	20532.15	-33.97	-21.20	12.77	Pass	Peak	8	20532.15	-46.46	-41.20	5.26	Pass	AVG
3	21694.95	-33.33	-27.00	6.33	Pass	Peak	9	21694.95	/	-27.00	/	/	AVG
4	23095.75	-33.58	-21.20	12.38	Pass	Peak	10	23095.75	-45.54	-41.20	4.34	Pass	AVG
5	24295.95	-31.55	-27.00	4.55	Pass	Peak	11	24295.95	/	-27.00	/	/	AVG
6	25752.85	-31.03	-27.00	4.03	Pass	Peak	12	25752.85	/	-27.00	/	/	AVG

802.11ac(VHT20)_LCH_5180MHz_MIMO_NTNV



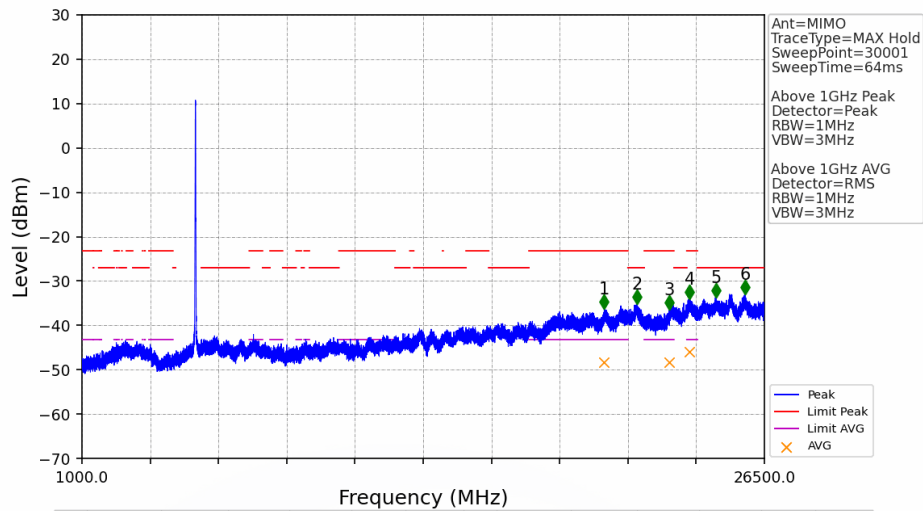
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5125.000	-40.66	-21.20	19.46	Pass Peak	3	5125.000	-52.27	-41.20	9.07	Pass AVG
2	5148.500	-39.05	-21.20	17.84	Pass Peak	4	5148.500	-50.13	-41.20	6.93	Pass AVG

802.11ac(VHT20)_MCH_5200MHz_MIMO_NTNV



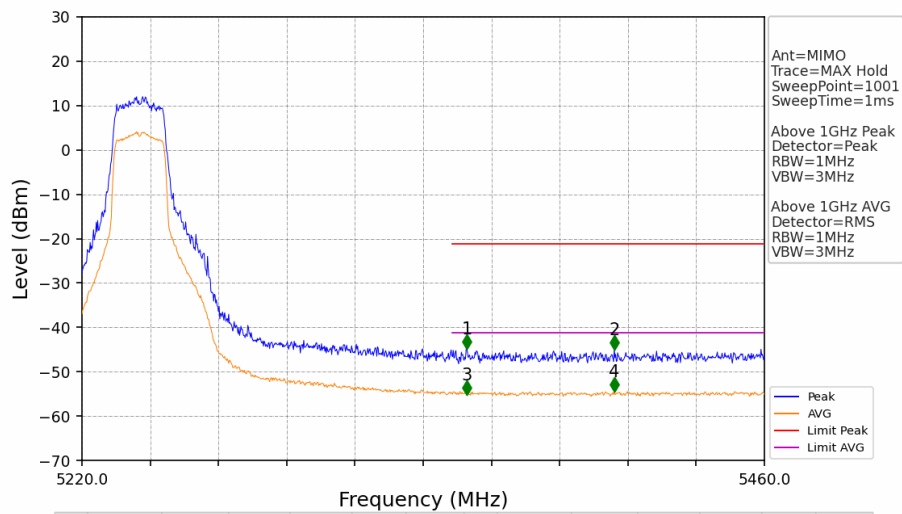
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20487.95	-34.19	-21.20	12.99	Pass Peak	7	20487.95	-46.40	-41.20	5.20	Pass AVG
2	21715.35	-32.63	-27.00	5.63	Pass Peak	8	21715.35	/	-41.20	/	AVG
3	23061.75	-32.94	-21.20	11.74	Pass Peak	9	23061.75	-45.40	-41.20	4.20	Pass AVG
4	24214.35	-31.31	-27.00	4.31	Pass Peak	10	24214.35	/	-27.00	/	AVG
5	25219.9	-30.59	-27.00	3.59	Pass Peak	11	25219.9	/	-27.00	/	AVG
6	26369.1	-32.50	-27.00	5.50	Pass Peak	12	26369.1	/	-27.00	/	AVG

802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



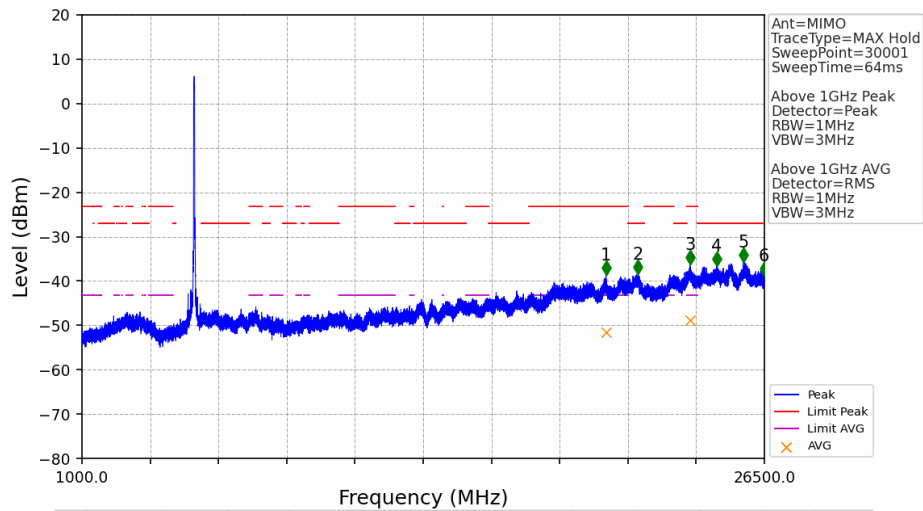
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20516	-34.20	-21.20	13.00	Pass	Peak	7	20516	-46.31	-41.20	5.11	Pass	AVG
2	21742.55	-33.24	-27.00	6.24	Pass	Peak	8	21742.55	/	-27.00	/	/	AVG
3	22935.1	-34.36	-21.20	13.16	Pass	Peak	9	22935.1	-46.28	-41.20	5.08	Pass	AVG
4	23706.9	-32.10	-21.20	10.90	Pass	Peak	10	23706.9	-44.01	-41.20	2.81	Pass	AVG
5	24703.95	-31.68	-27.00	4.68	Pass	Peak	11	24703.95	/	-27.00	/	/	AVG
6	25780.05	-30.99	-27.00	3.99	Pass	Peak	12	25780.05	/	-27.00	/	/	AVG

802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



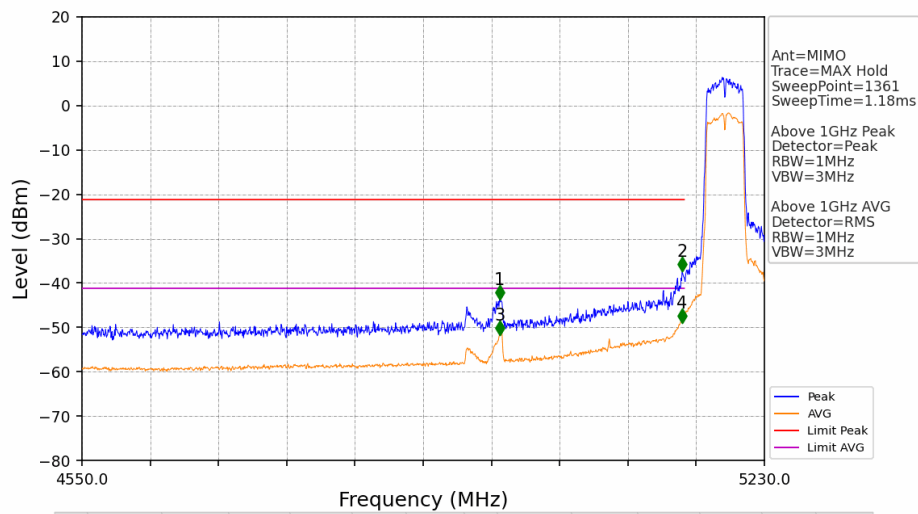
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5355.360	-42.77	-21.20	21.57	Pass	Peak	3	5355.360	-55.14	-41.20	11.94	Pass	AVG
2	5407.200	-42.94	-21.20	21.74	Pass	Peak	4	5407.200	-54.41	-41.20	11.21	Pass	AVG

802.11ac(VHT40)_LCH_5190MHz_MIMO_NTNV



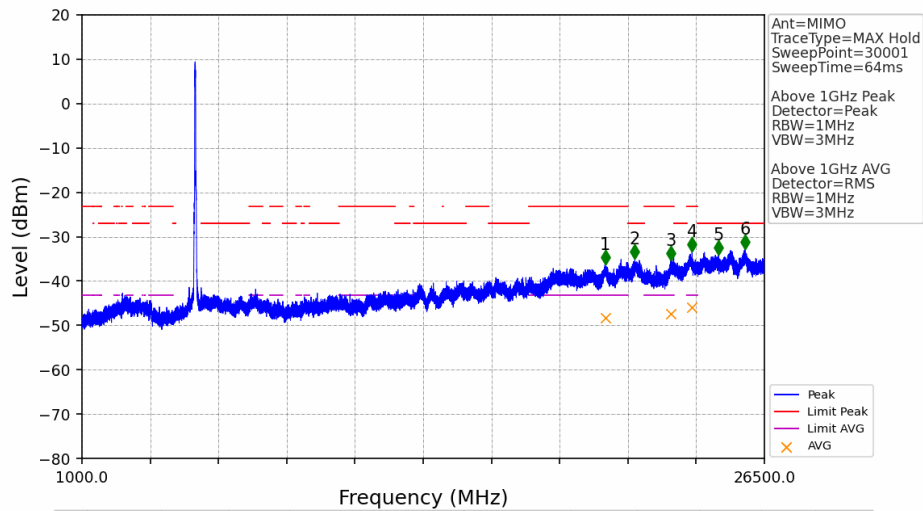
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20582.3	-36.63	-21.20	15.43	Pass	Peak	7	20582.3	-49.55	-41.20	8.35	Pass	AVG
2	21779.95	-36.40	-27.00	9.40	Pass	Peak	8	21779.95	/	-27.00	/	/	AVG
3	23712	-34.31	-21.20	13.11	Pass	Peak	9	23712	-46.90	-41.20	5.70	Pass	AVG
4	24722.65	-34.56	-27.00	7.56	Pass	Peak	10	24722.65	/	-27.00	/	/	AVG
5	25705.25	-33.73	-27.00	6.73	Pass	Peak	11	25705.25	/	-27.00	/	/	AVG
6	26488.1	-36.84	-27.00	9.84	Pass	Peak	12	26488.1	/	-27.00	/	/	AVG

802.11ac(VHT40)_LCH_5190MHz_MIMO_NTNV



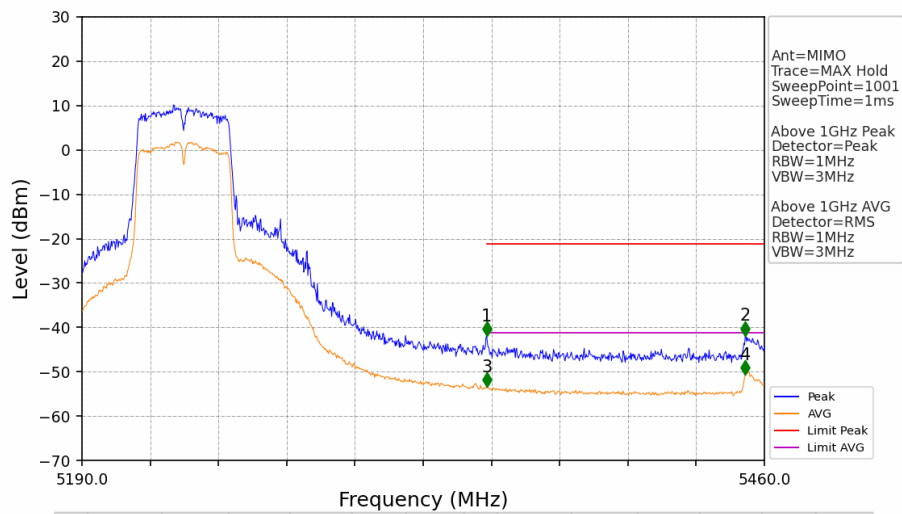
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4966.000	-41.71	-21.20	20.51	Pass	Peak	3	4966.000	-51.76	-41.20	8.56	Pass	AVG
2	5148.000	-35.33	-21.20	14.13	Pass	Peak	4	5148.000	-48.96	-41.20	5.76	Pass	AVG

802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



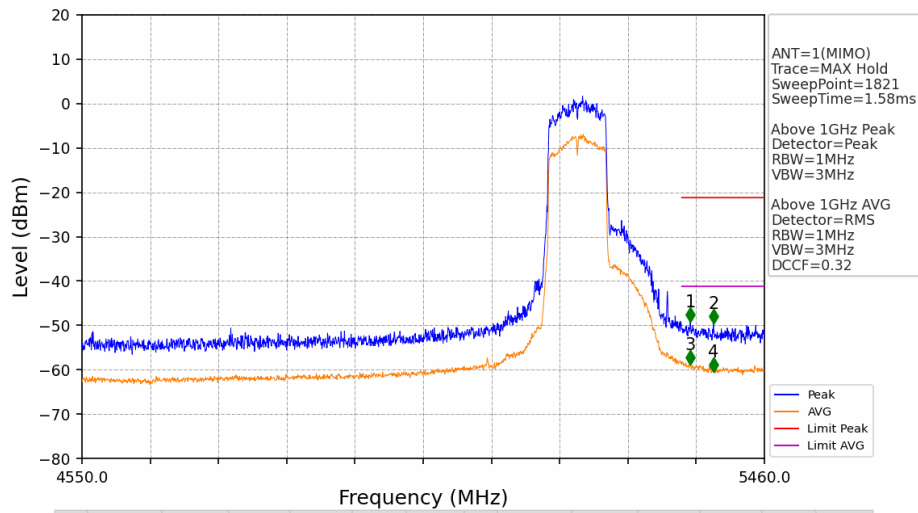
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20548.3	-34.15	-21.20	12.95	Pass	Peak	7	20548.3	-46.25	-41.20	5.05	Pass	AVG
2	21659.25	-33.03	-27.00	6.03	Pass	Peak	8	21659.25	/	-27.00	/	/	AVG
3	22998	-33.33	-21.20	12.12	Pass	Peak	9	22998	-45.45	-41.20	4.25	Pass	AVG
4	23796.15	-31.30	-21.20	10.10	Pass	Peak	10	23796.15	-43.86	-41.20	2.66	Pass	AVG
5	24784.7	-32.13	-27.00	5.13	Pass	Peak	11	24784.7	/	-27.00	/	/	AVG
6	25791.1	-30.69	-27.00	3.69	Pass	Peak	12	25791.1	/	-27.00	/	/	AVG

802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV

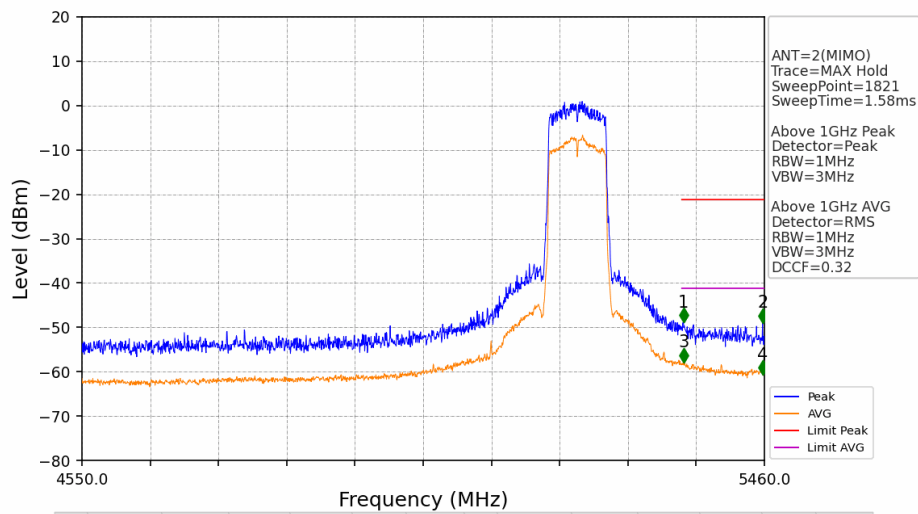


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5350.110	-39.91	-21.20	18.71	Pass	Peak	3	5350.110	-53.43	-41.20	10.23	Pass	AVG
2	5452.440	-39.80	-21.20	18.60	Pass	Peak	4	5452.440	-50.58	-41.20	7.38	Pass	AVG

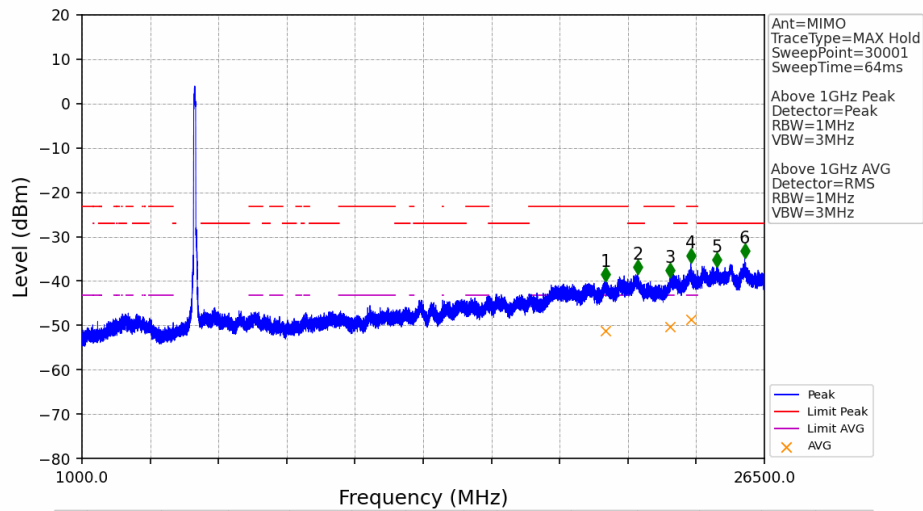
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV

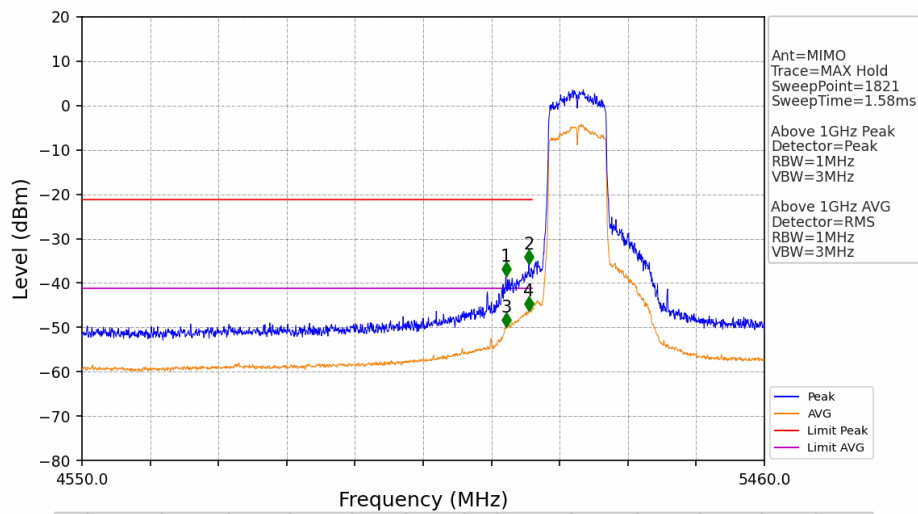


802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



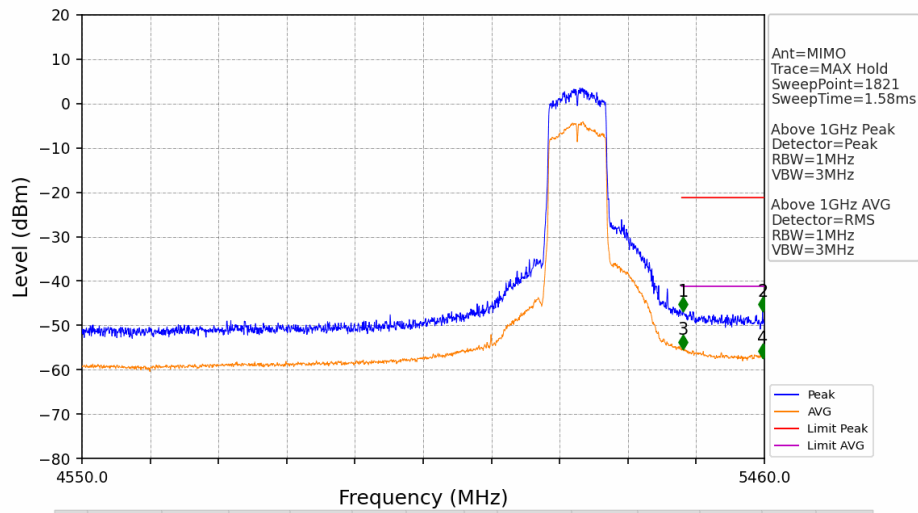
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20557.65	-38.06	-21.20	16.86	Pass	Peak	7	20557.65	-49.27	-41.20	8.07	Pass	AVG
2	21758.7	-36.37	-27.00	9.37	Pass	Peak	8	21758.7	/	-27.00	/	/	AVG
3	22980.15	-37.16	-21.20	15.96	Pass	Peak	9	22980.15	-48.33	-41.20	7.13	Pass	AVG
4	23750.25	-33.82	-21.20	12.62	Pass	Peak	10	23750.25	-46.70	-41.20	5.50	Pass	AVG
5	24717.55	-34.76	-27.00	7.76	Pass	Peak	11	24717.55	/	-27.00	/	/	AVG
6	25763.05	-32.86	-27.00	5.86	Pass	Peak	12	25763.05	/	-27.00	/	/	AVG

802.11ac(VHT80)_MCH_5210MHz_MIMO_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5115.500	-36.45	-21.20	15.25	Pass	Peak	3	5115.500	-49.96	-41.20	6.76	Pass	AVG
2	5146.000	-33.61	-21.20	12.41	Pass	Peak	4	5146.000	-46.27	-41.20	3.07	Pass	AVG

802.11ac(VHT80) MCH_5210MHz_MIMO_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5351.500	-44.80	-21.20	23.60	Pass	AVG	3	5351.500	-55.40	-41.20	12.20	Pass	AVG
2	5457.500	-44.87	-21.20	23.66	Pass	AVG	4	5457.500	-57.38	-41.20	14.18	Pass	AVG

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	5179.992	5150 to 5250	Pass
				120	5179.992	5150 to 5250	Pass
				138	5179.992	5150 to 5250	Pass
			-30	120	5179.992	5150 to 5250	Pass
			-20	120	5179.992	5150 to 5250	Pass
			-10	120	5179.992	5150 to 5250	Pass
			0	120	5179.992	5150 to 5250	Pass
			10	120	5179.992	5150 to 5250	Pass
			30	120	5179.992	5150 to 5250	Pass
			40	120	5179.992	5150 to 5250	Pass
			50	120	5179.992	5150 to 5250	Pass
		5200	20	102	5199.992	5150 to 5250	Pass
				120	5199.992	5150 to 5250	Pass
				138	5199.992	5150 to 5250	Pass
			-30	120	5199.992	5150 to 5250	Pass
			-20	120	5199.992	5150 to 5250	Pass
			-10	120	5199.992	5150 to 5250	Pass
			0	120	5199.992	5150 to 5250	Pass
			10	120	5199.992	5150 to 5250	Pass
			30	120	5199.992	5150 to 5250	Pass
			40	120	5199.992	5150 to 5250	Pass
			50	120	5199.992	5150 to 5250	Pass
		5240	20	102	5239.991	5150 to 5250	Pass
				120	5239.991	5150 to 5250	Pass
				138	5239.991	5150 to 5250	Pass
			-30	120	5239.991	5150 to 5250	Pass
			-20	120	5239.991	5150 to 5250	Pass
			-10	120	5239.991	5150 to 5250	Pass
			0	120	5239.991	5150 to 5250	Pass
			10	120	5239.991	5150 to 5250	Pass
			30	120	5239.991	5150 to 5250	Pass
			40	120	5239.991	5150 to 5250	Pass
			50	120	5239.991	5150 to 5250	Pass
	MIMO	5190	20	102	5189.991	5150 to 5250	Pass
				120	5189.991	5150 to 5250	Pass
				138	5189.991	5150 to 5250	Pass
			-30	120	5189.991	5150 to 5250	Pass
			-20	120	5189.991	5150 to 5250	Pass
			-10	120	5189.991	5150 to 5250	Pass
			0	120	5189.991	5150 to 5250	Pass
			10	120	5189.991	5150 to 5250	Pass
			30	120	5189.991	5150 to 5250	Pass
			40	120	5189.990	5150 to 5250	Pass
			50	120	5189.990	5150 to 5250	Pass
		5230	20	102	5229.990	5150 to 5250	Pass
				120	5229.990	5150 to 5250	Pass
				138	5229.990	5150 to 5250	Pass
			-30	120	5229.990	5150 to 5250	Pass

			-20	120	5229.990	5150 to 5250	Pass
			-10	120	5229.990	5150 to 5250	Pass
			0	120	5229.990	5150 to 5250	Pass
			10	120	5229.990	5150 to 5250	Pass
			30	120	5229.990	5150 to 5250	Pass
			40	120	5229.990	5150 to 5250	Pass
			50	120	5229.990	5150 to 5250	Pass
		5210	20	102	5209.990	5150 to 5250	Pass
				120	5209.990	5150 to 5250	Pass
				138	5209.990	5150 to 5250	Pass
			-30	120	5209.990	5150 to 5250	Pass
			-20	120	5209.990	5150 to 5250	Pass
			-10	120	5209.990	5150 to 5250	Pass
			0	120	5209.990	5150 to 5250	Pass
			10	120	5209.990	5150 to 5250	Pass
			30	120	5209.990	5150 to 5250	Pass
			40	120	5209.990	5150 to 5250	Pass
			50	120	5209.990	5150 to 5250	Pass

▶▶▶ END OF REPORT ◀◀◀

