

1. Duty Cycle

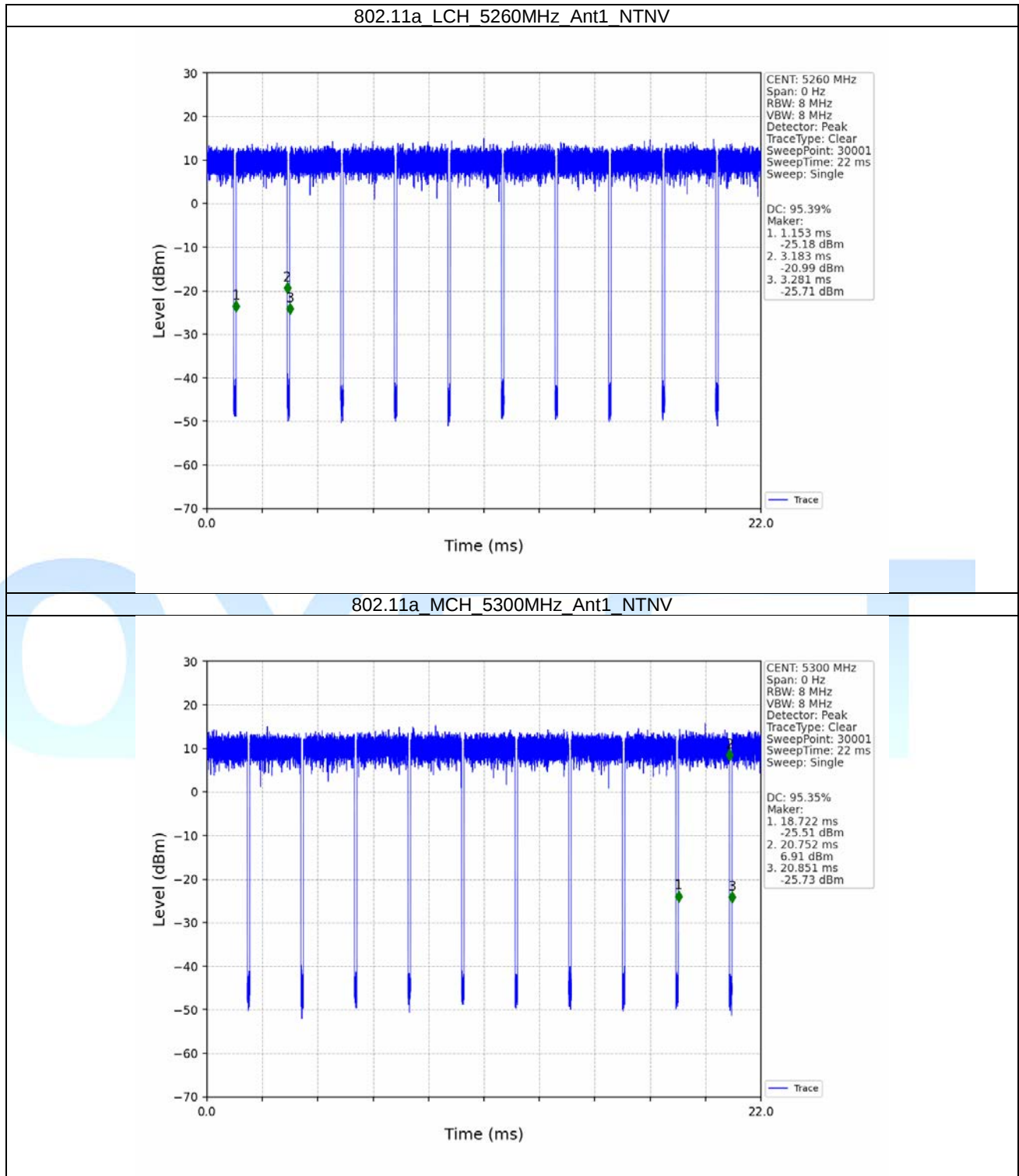
1.1 Test Result

1.1.1 Ant1

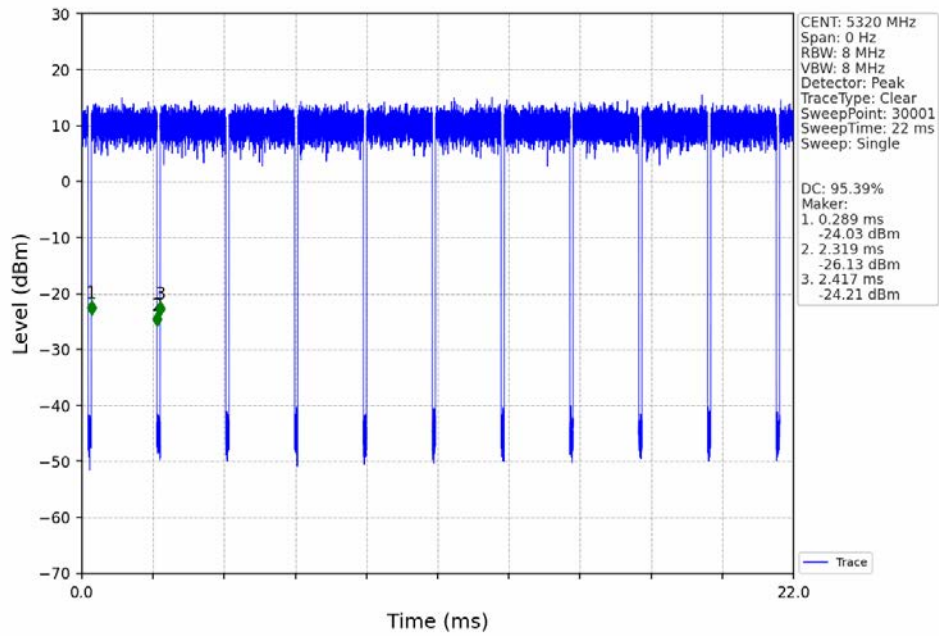
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5260	2.030	2.128	95.39	0.20	0.00
		5300	2.030	2.129	95.35	0.21	0.03
		5320	2.030	2.128	95.39	0.20	0.00
802.11n (HT20)	SISO	5260	1.890	1.993	94.83	0.23	0.25
		5300	1.889	1.993	94.78	0.23	0.29
		5320	1.890	1.993	94.83	0.23	0.25
802.11n (HT40)	SISO	5270	0.930	1.033	90.03	0.46	0.85
		5310	0.929	1.032	90.02	0.46	0.85
802.11ac (VHT20)	SISO	5260	1.902	2.005	94.86	0.23	0.22
		5300	1.902	2.005	94.86	0.23	0.22
		5320	1.901	2.004	94.86	0.23	0.25
802.11ac (VHT40)	SISO	5270	0.938	1.044	89.85	0.46	1.12
		5310	0.938	1.044	89.85	0.46	1.15
802.11ac (VHT80)	SISO	5290	0.458	0.556	82.37	0.84	0.81

1.2 Test Graph

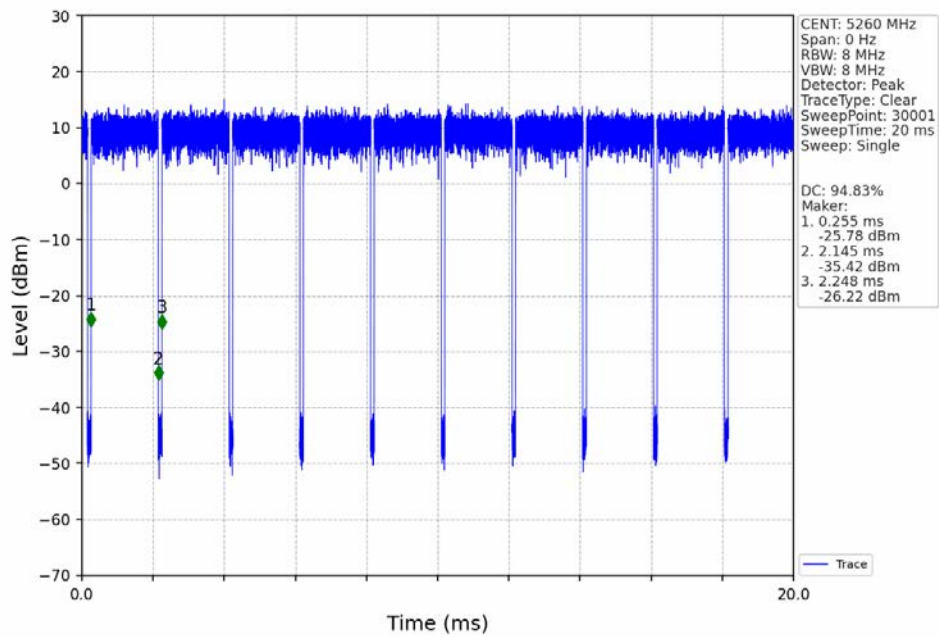
1.2.1 Ant1



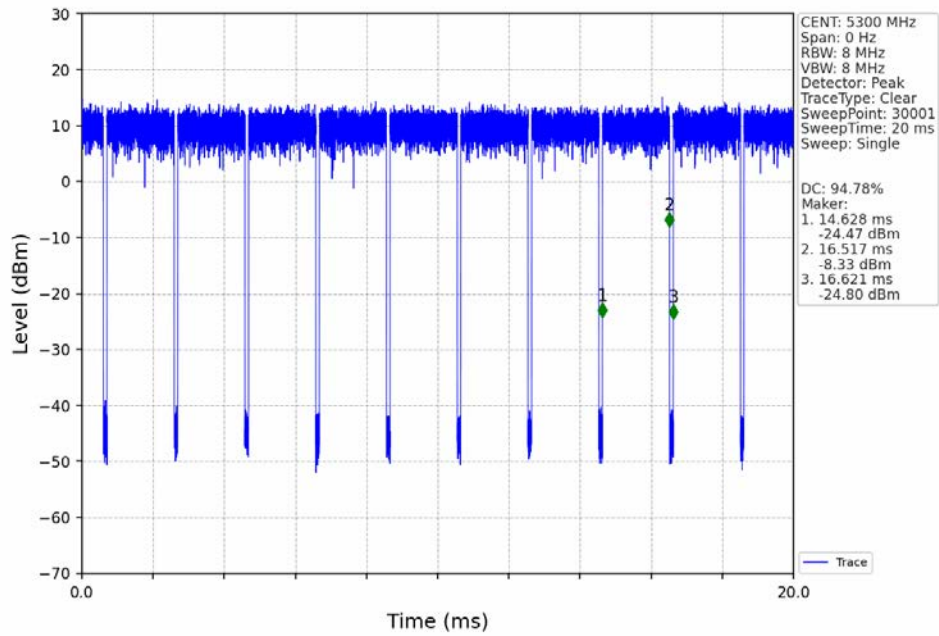
802.11a_HCH_5320MHz_Ant1_NTNV



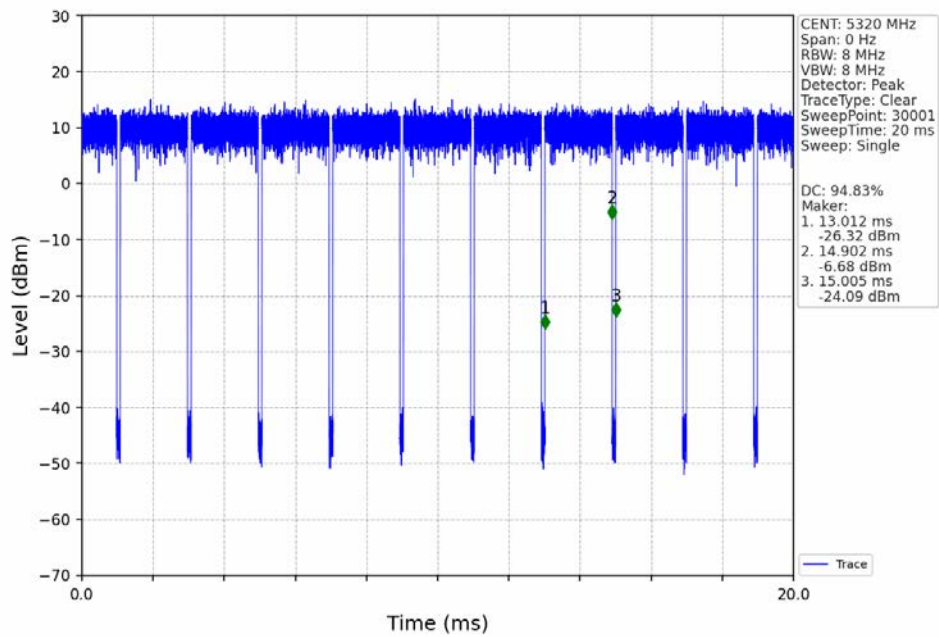
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



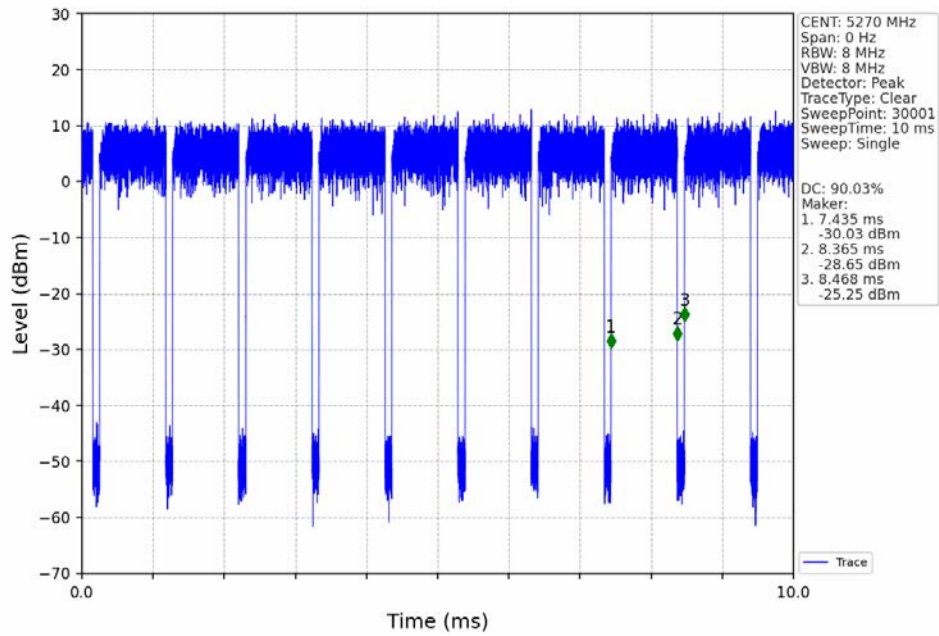
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



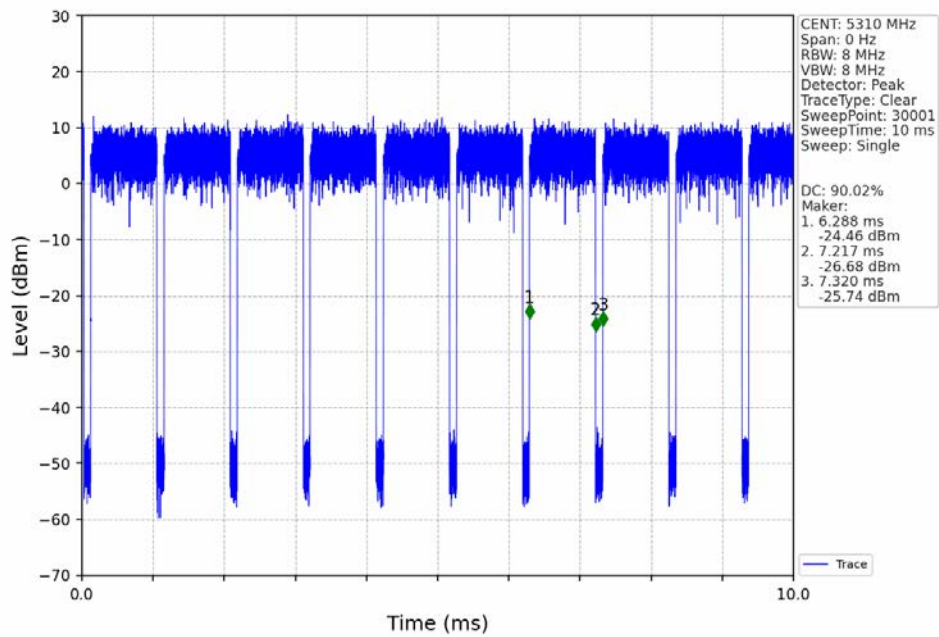
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



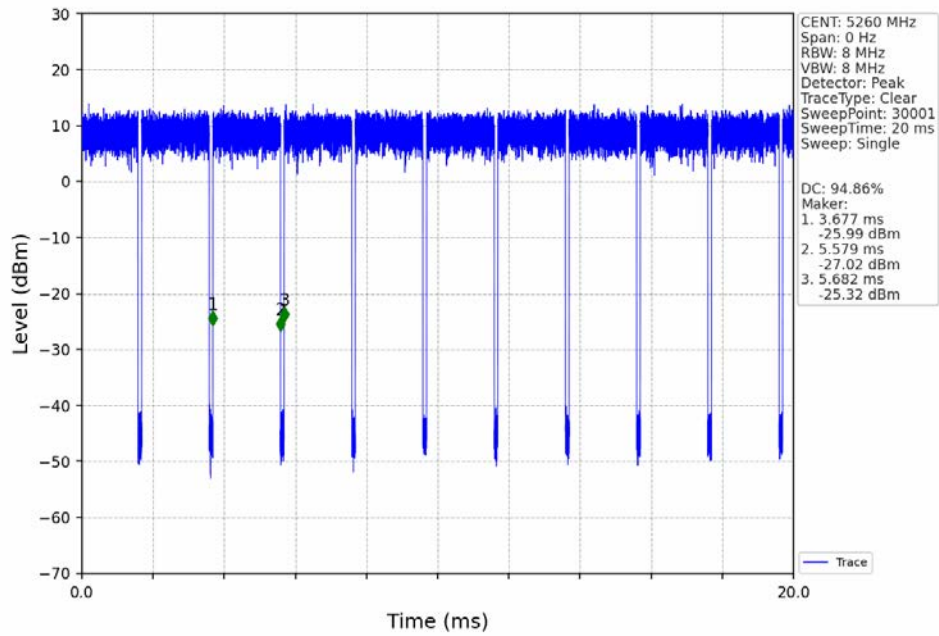
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



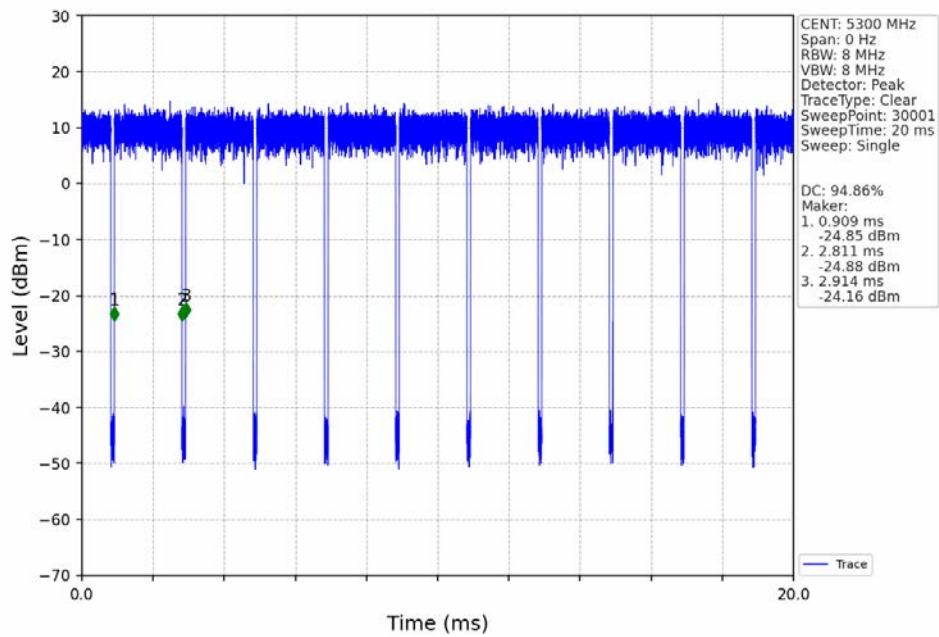
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



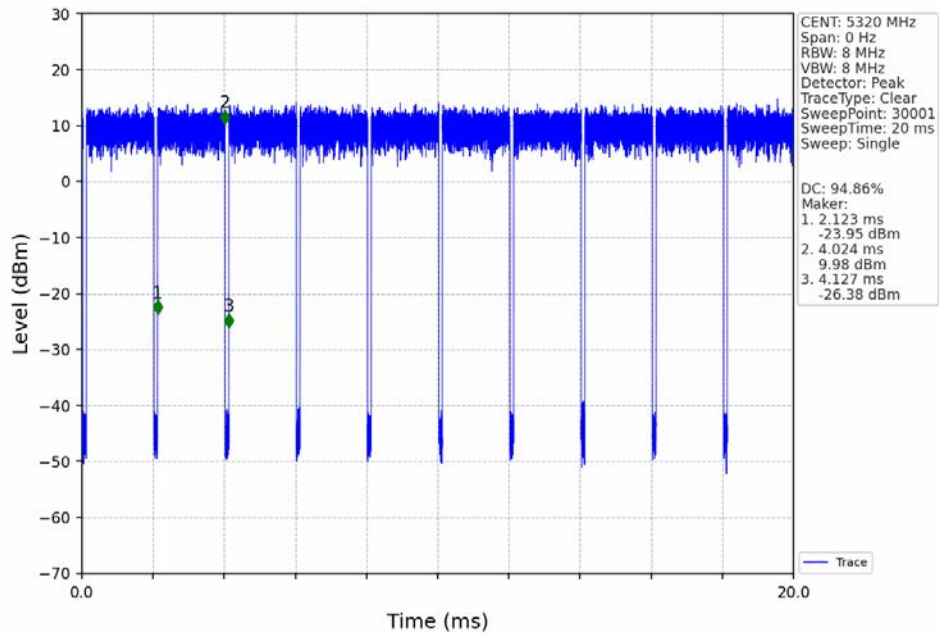
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



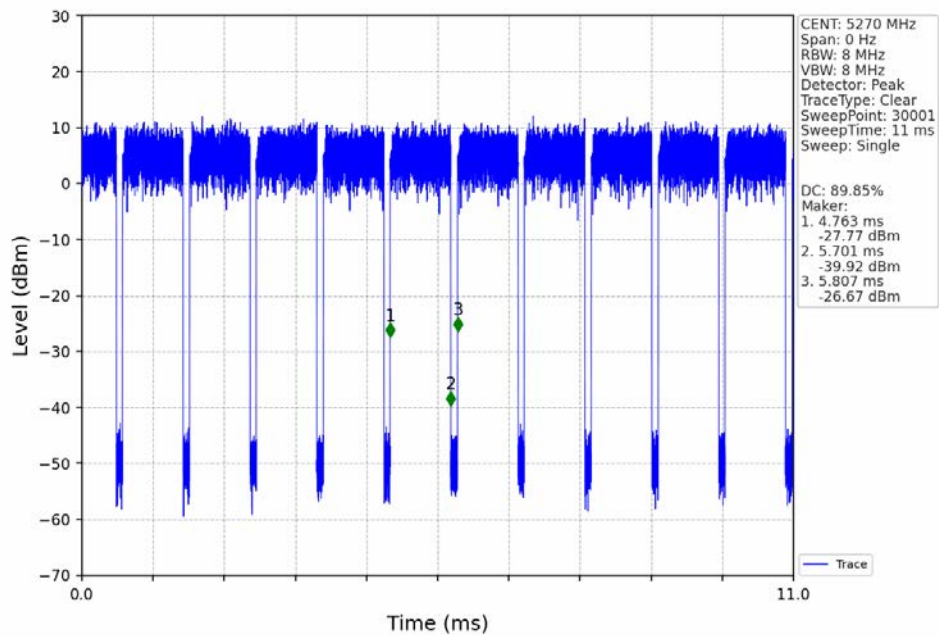
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



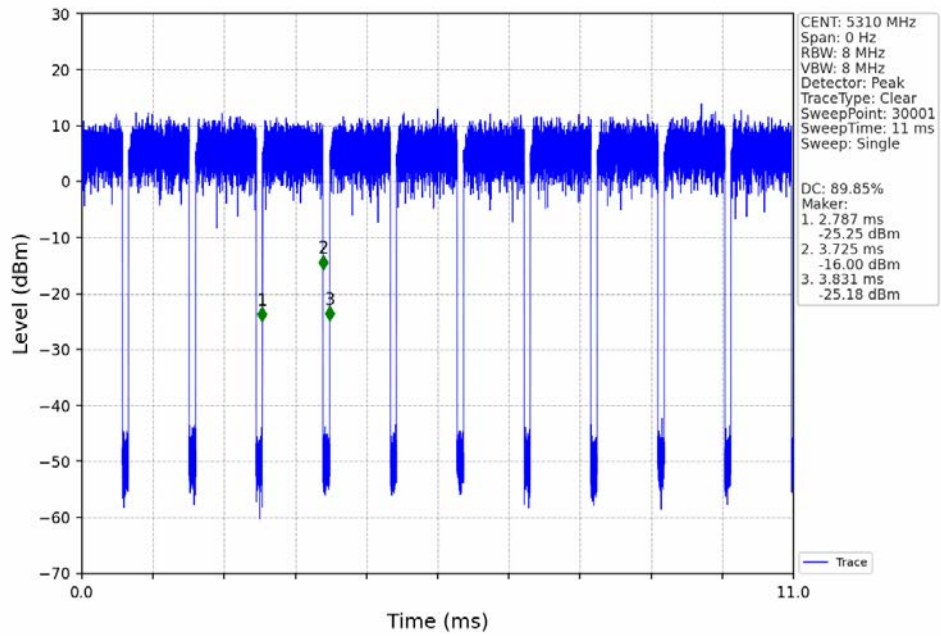
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



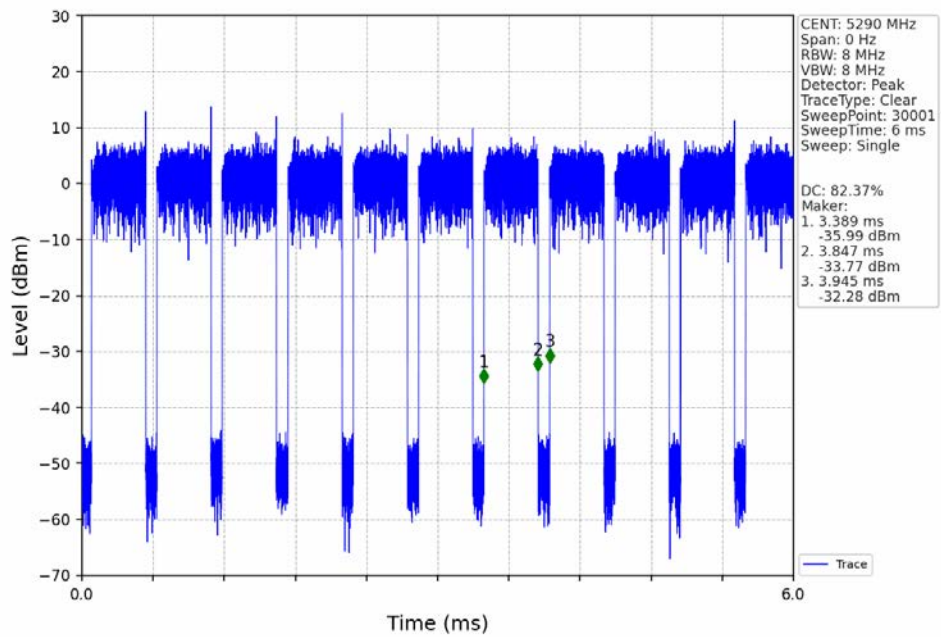
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

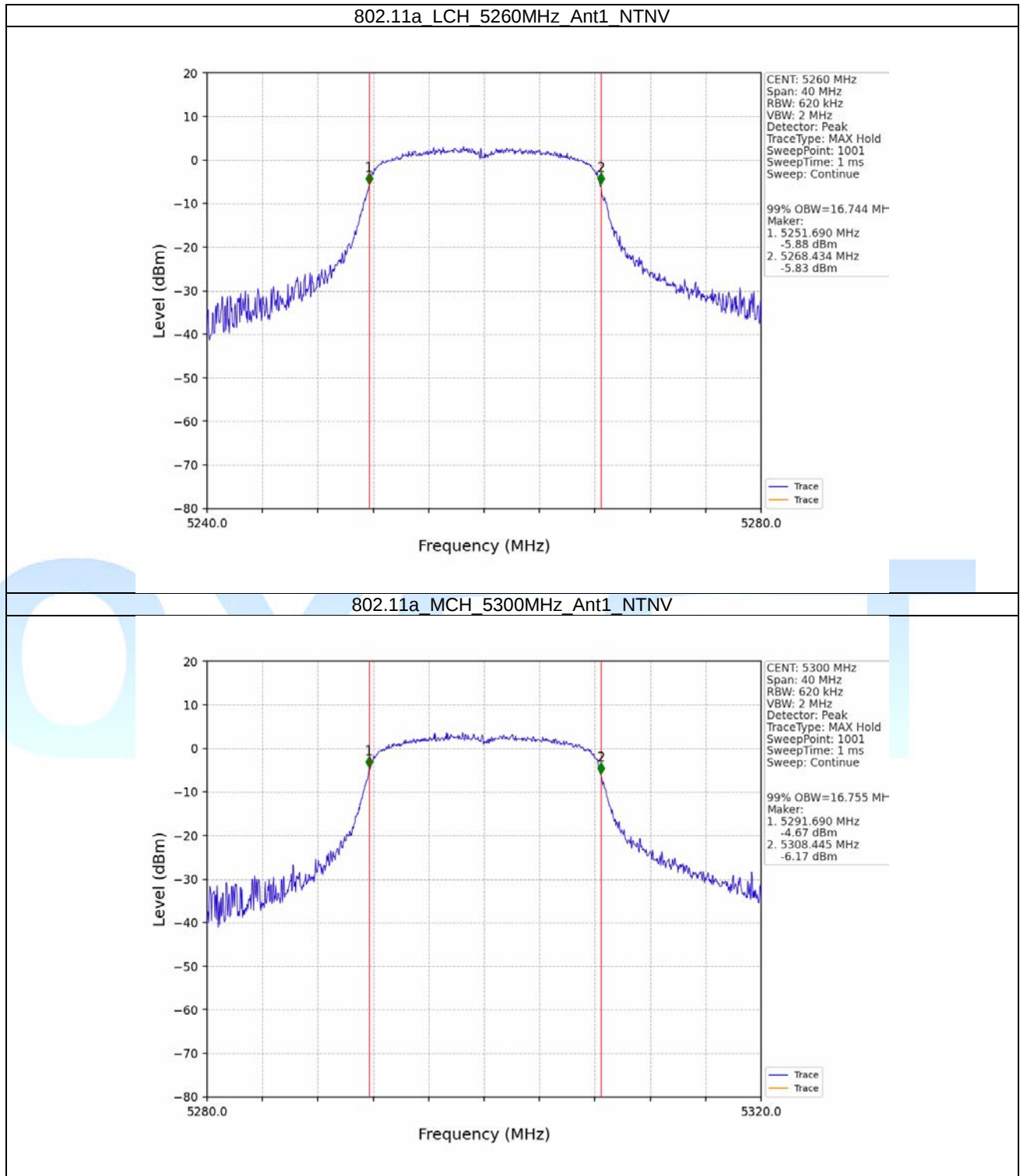
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5260	1	16.744	/	Pass
		5300	1	16.755	/	Pass
		5320	1	16.781	/	Pass
802.11n (HT20)	SISO	5260	1	17.710	/	Pass
		5300	1	17.760	/	Pass
		5320	1	17.763	/	Pass
802.11n (HT40)	SISO	5270	1	36.222	/	Pass
		5310	1	36.295	/	Pass
802.11ac (VHT20)	SISO	5260	1	17.759	/	Pass
		5300	1	17.768	/	Pass
		5320	1	17.779	/	Pass
802.11ac (VHT40)	SISO	5270	1	36.390	/	Pass
		5310	1	36.133	/	Pass
802.11ac (VHT80)	SISO	5290	1	75.531	/	Pass

2.1.2 26dB BW

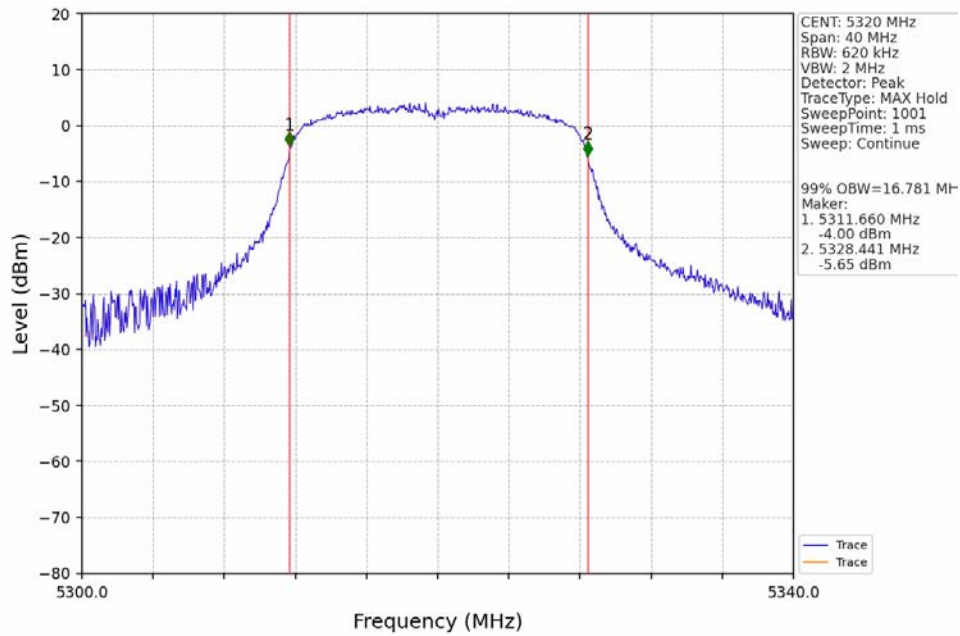
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5260	1	20.033	/	Pass
		5300	1	20.893	/	Pass
		5320	1	20.342	/	Pass
802.11n (HT20)	SISO	5260	1	20.390	/	Pass
		5300	1	20.721	/	Pass
		5320	1	20.386	/	Pass
802.11n (HT40)	SISO	5270	1	41.775	/	Pass
		5310	1	45.055	/	Pass
802.11ac (VHT20)	SISO	5260	1	20.196	/	Pass
		5300	1	20.796	/	Pass
		5320	1	20.694	/	Pass
802.11ac (VHT40)	SISO	5270	1	45.147	/	Pass
		5310	1	41.101	/	Pass
802.11ac (VHT80)	SISO	5290	1	90.859	/	Pass

2.2 Test Graph

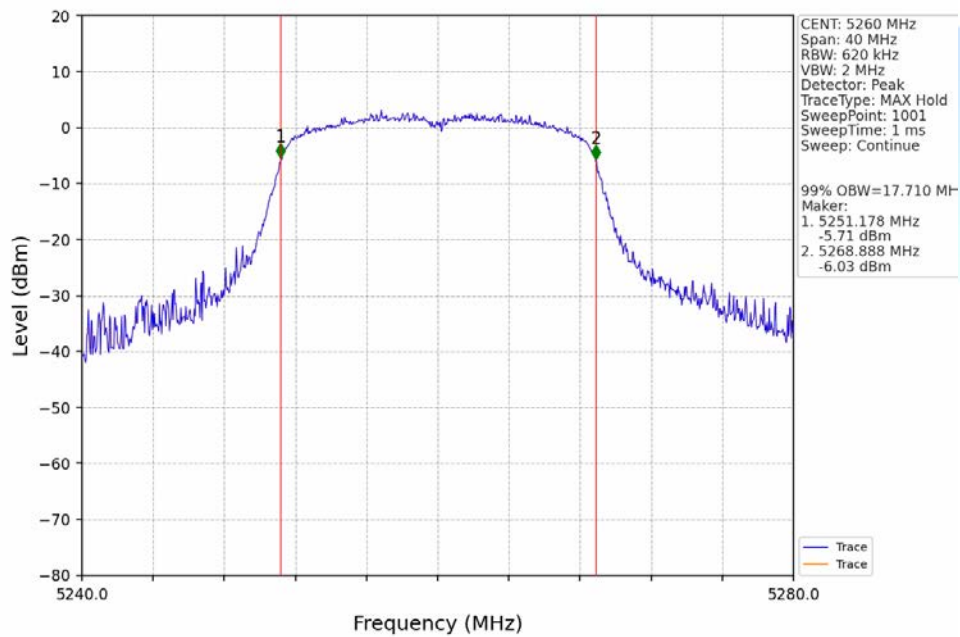
2.2.1 OBW



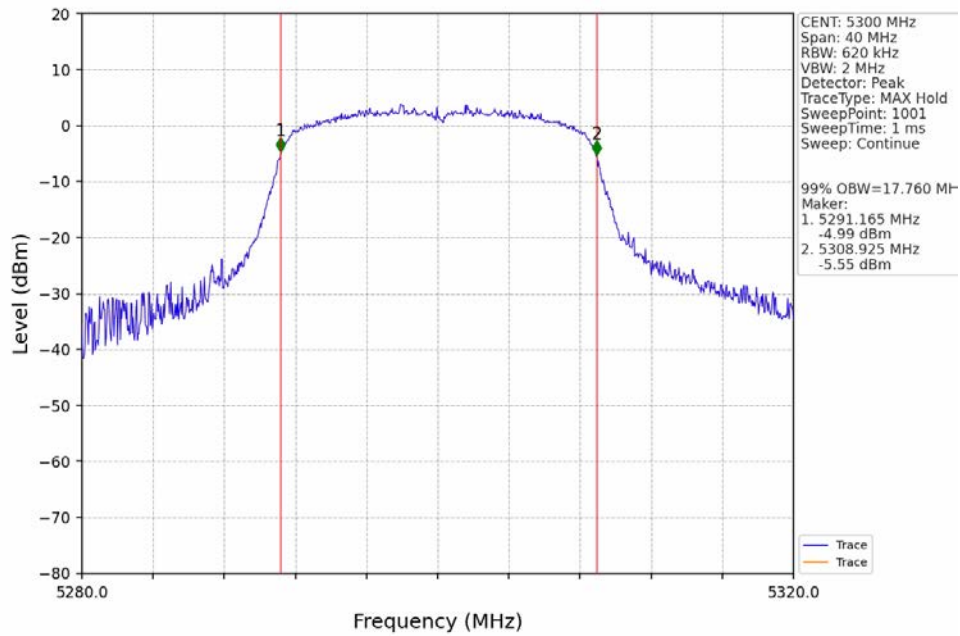
802.11a_HCH_5320MHz_Ant1_NTNV



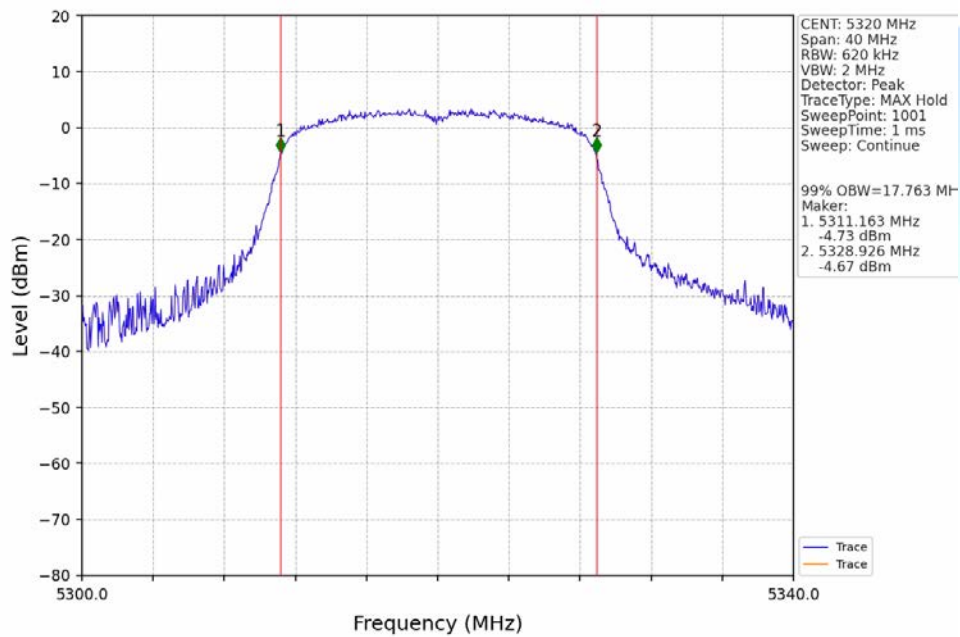
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



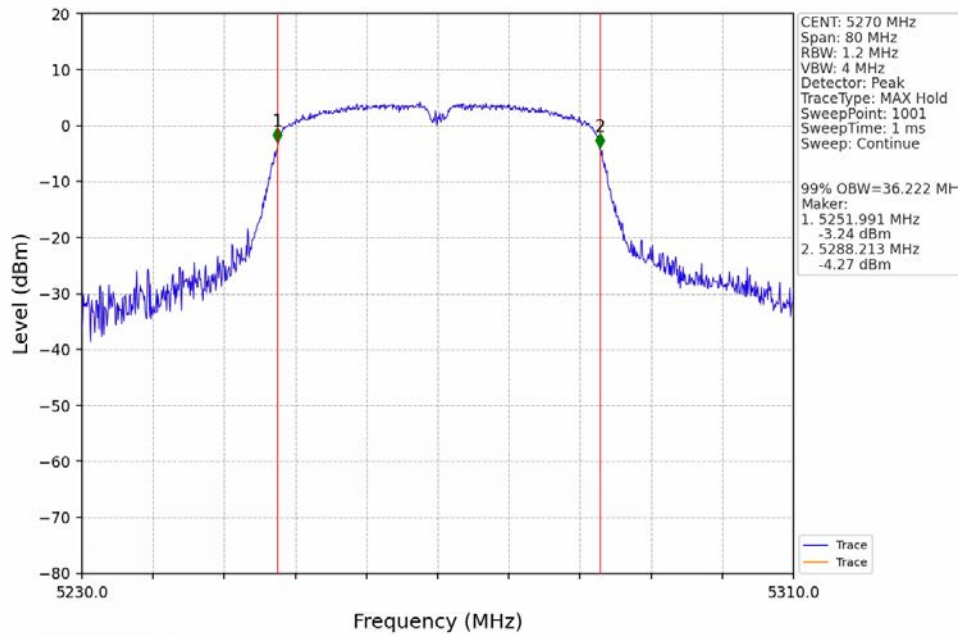
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



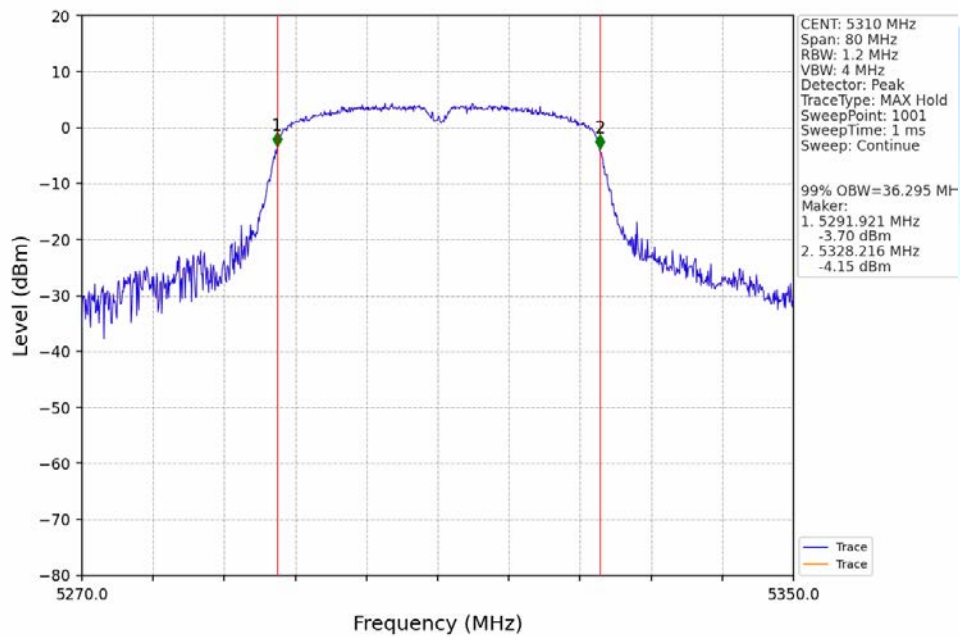
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



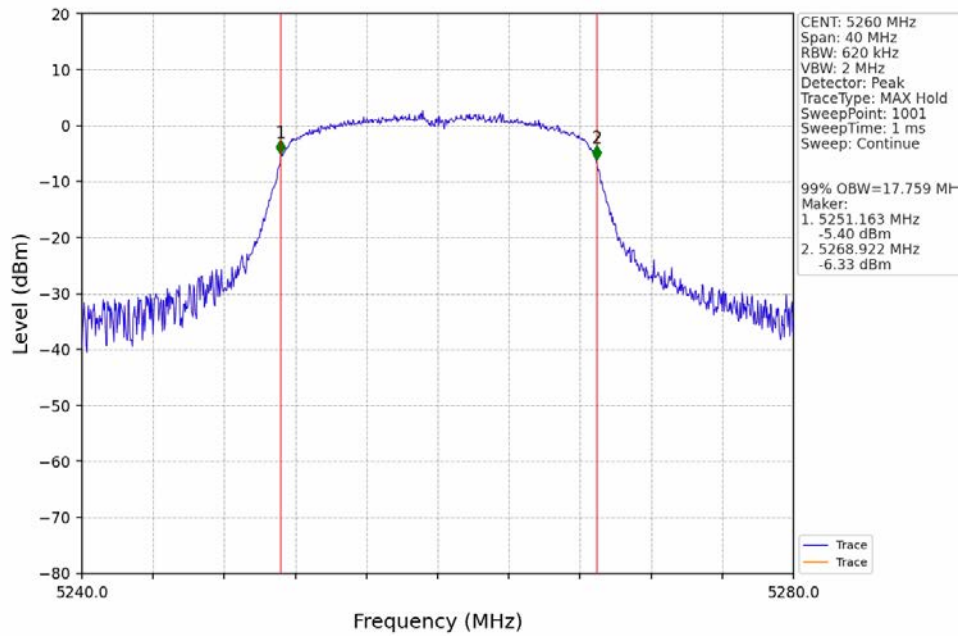
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



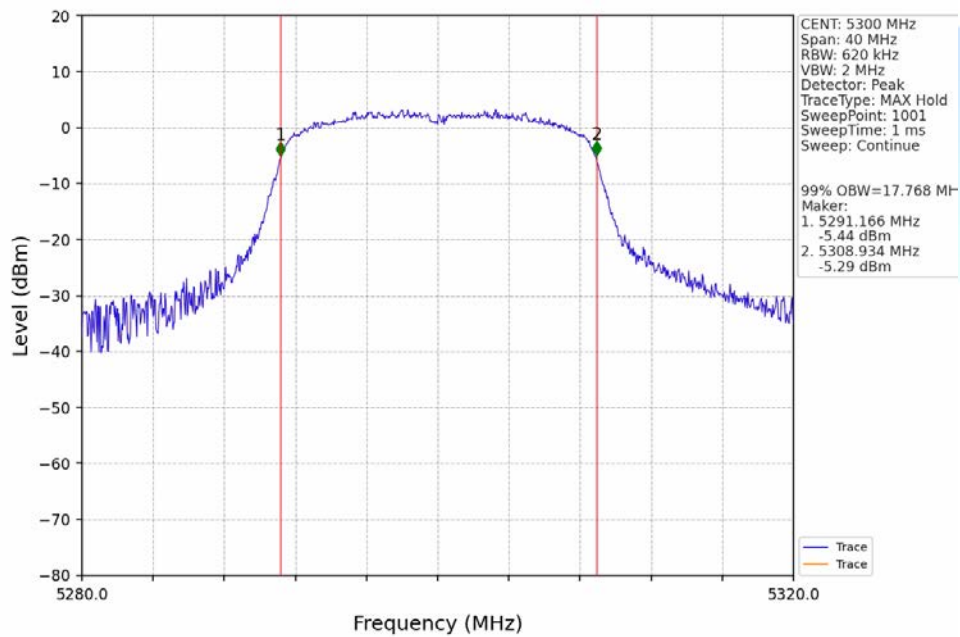
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



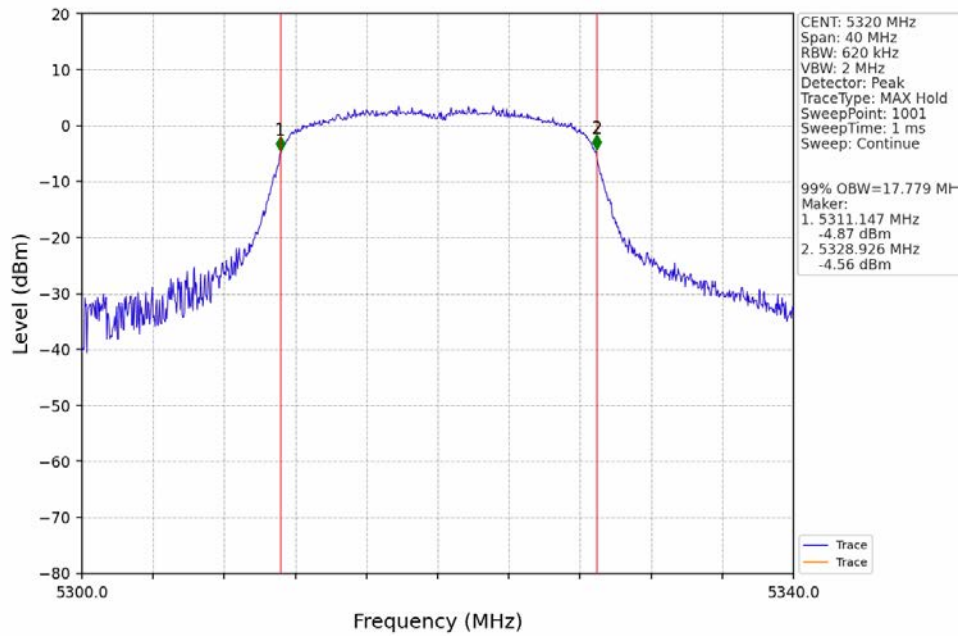
802.11ac(VHT20) LCH_5260MHz_Ant1_NTNV



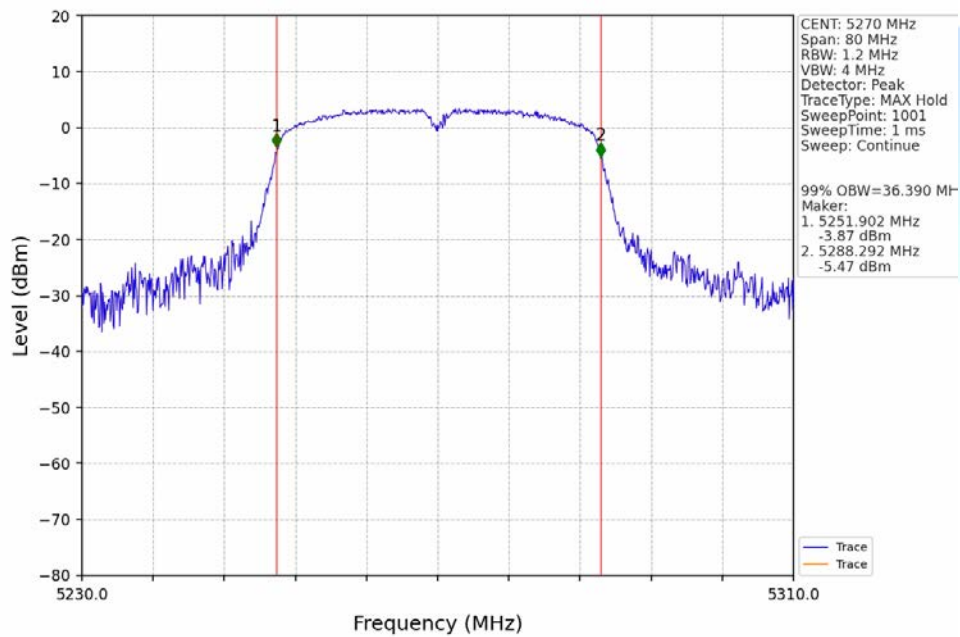
802.11ac(VHT20) MCH_5300MHz_Ant1_NTNV



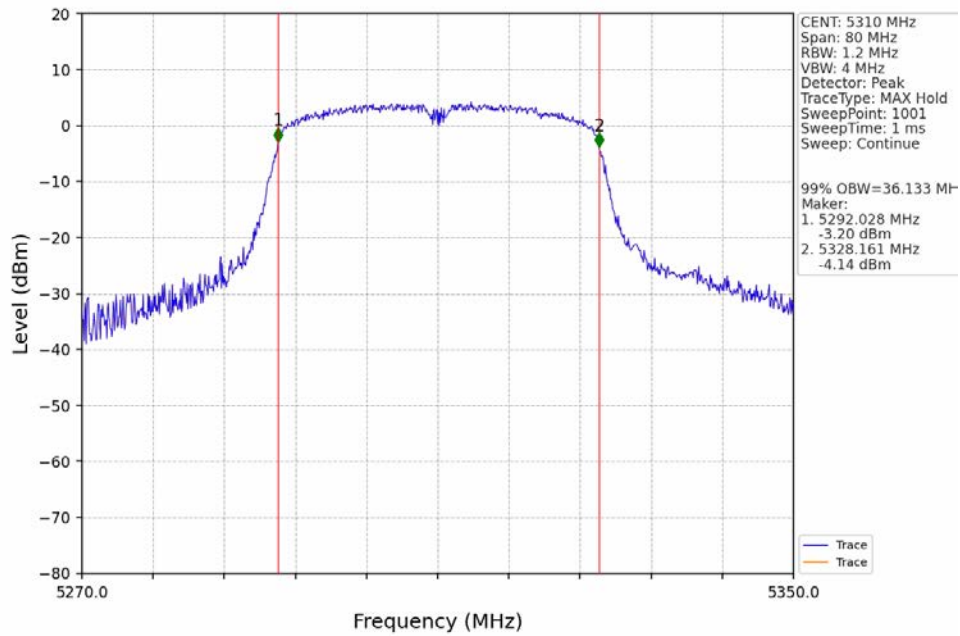
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



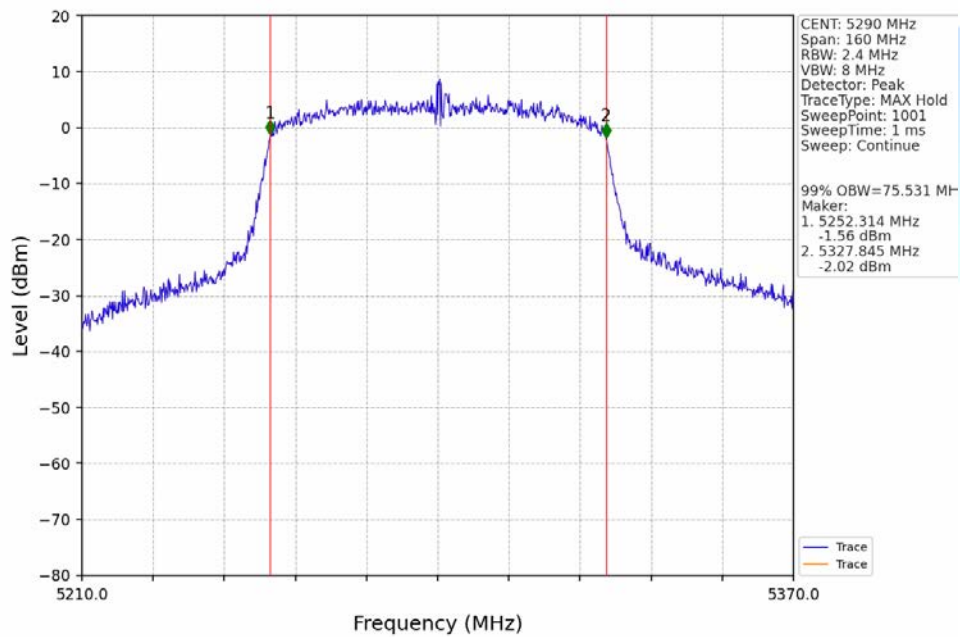
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



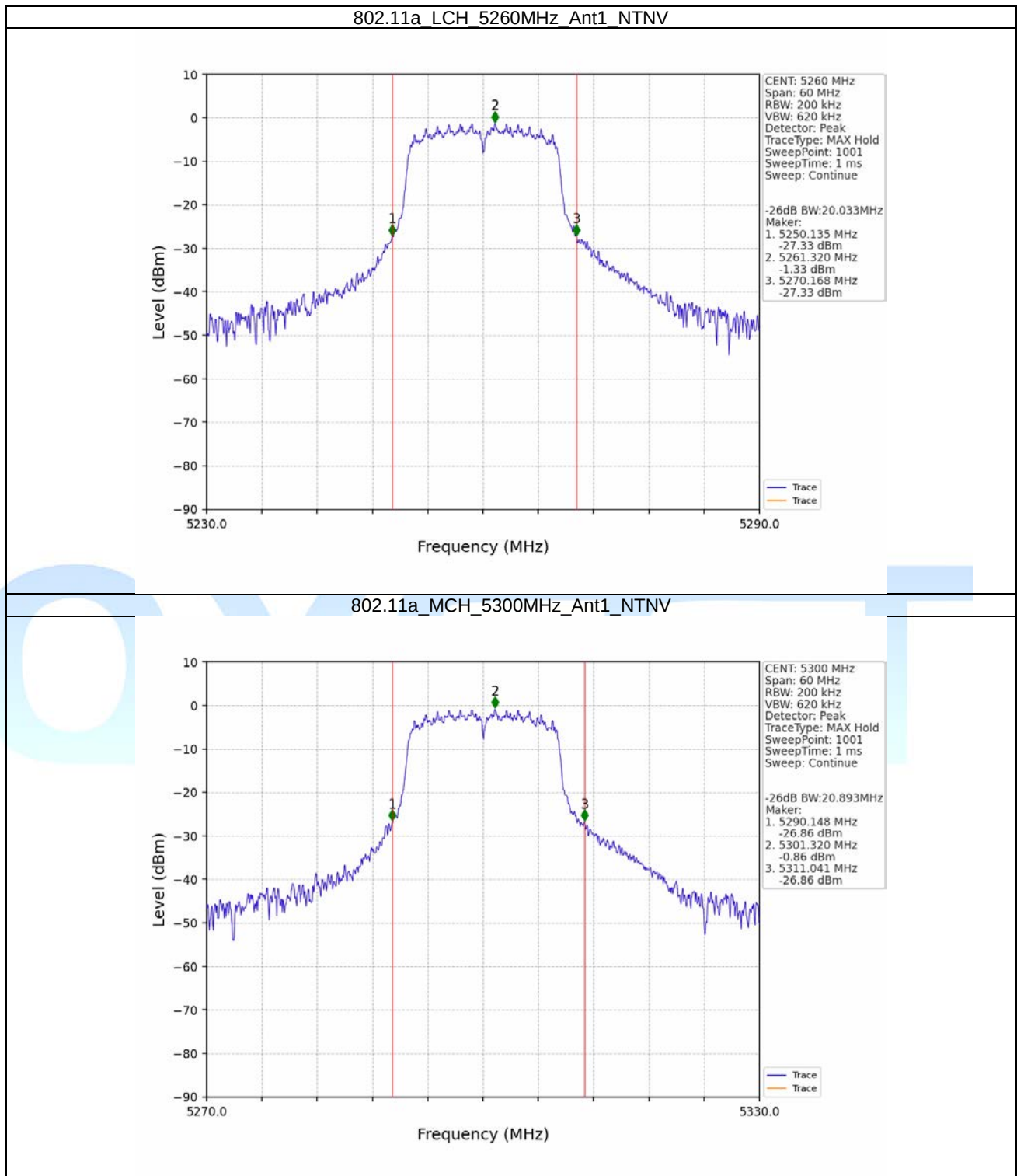
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



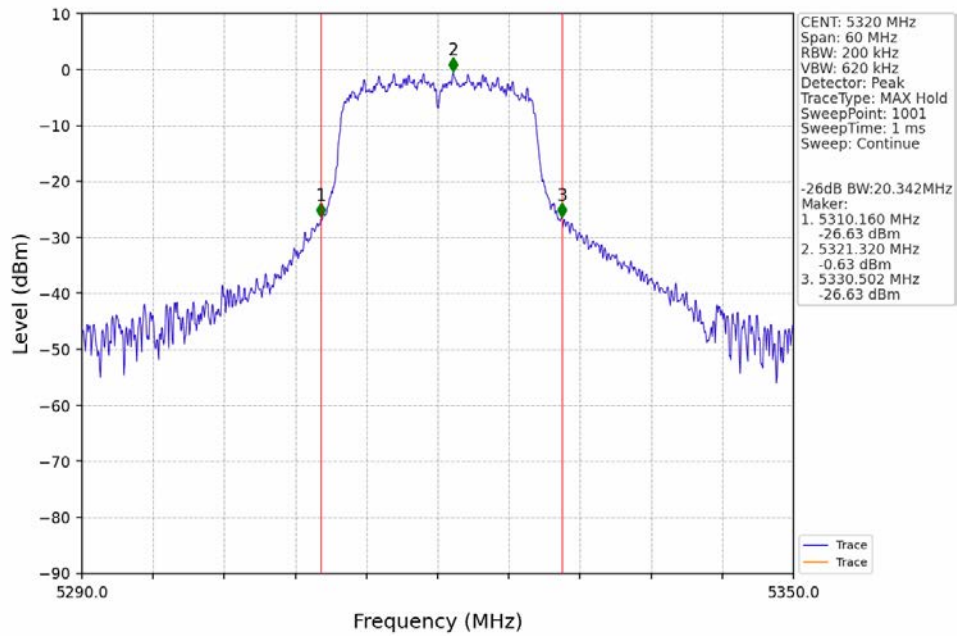
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



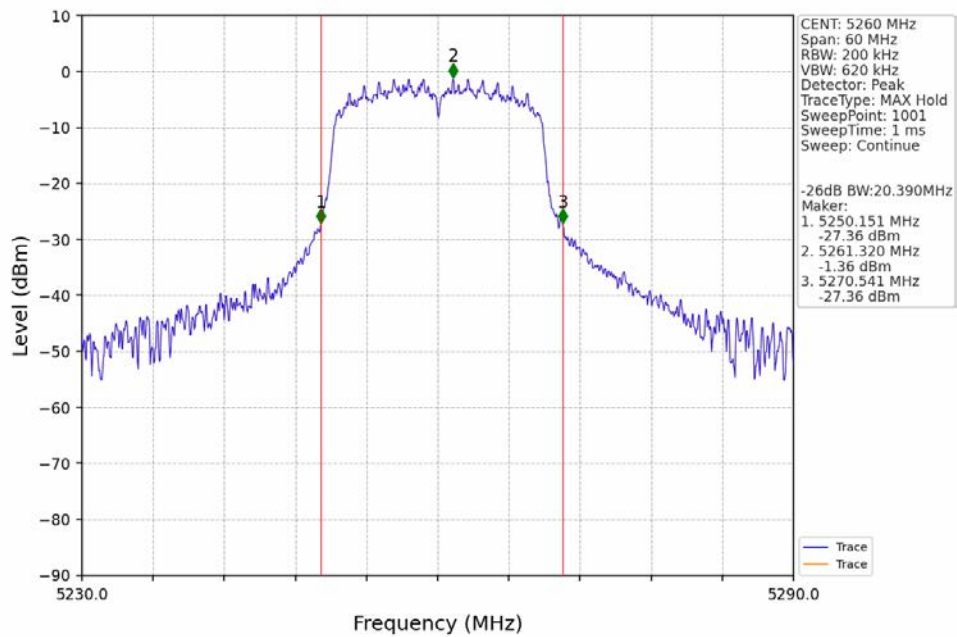
2.2.2 26dB BW



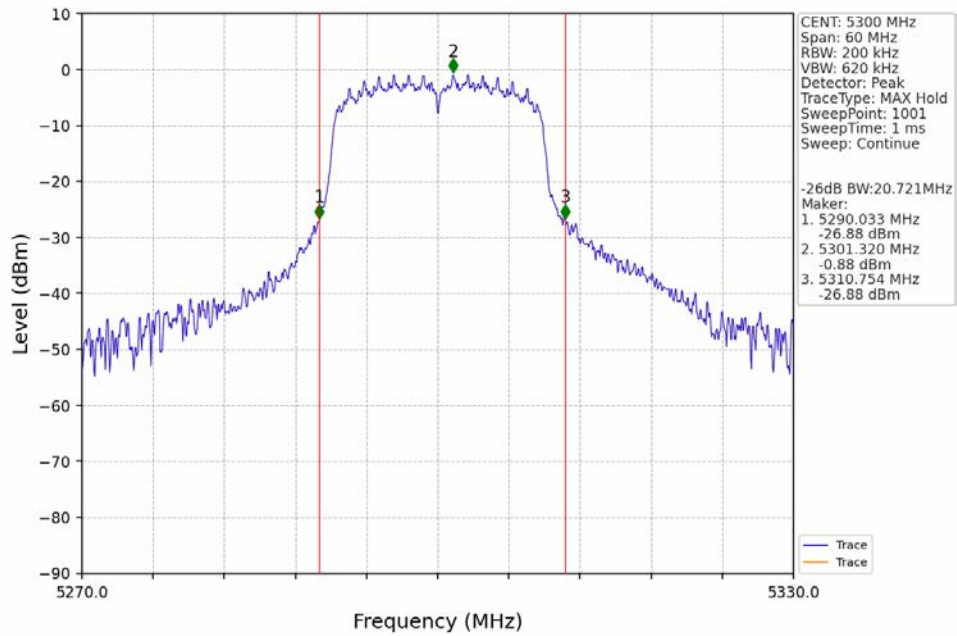
802.11a_HCH_5320MHz_Ant1_NTNV



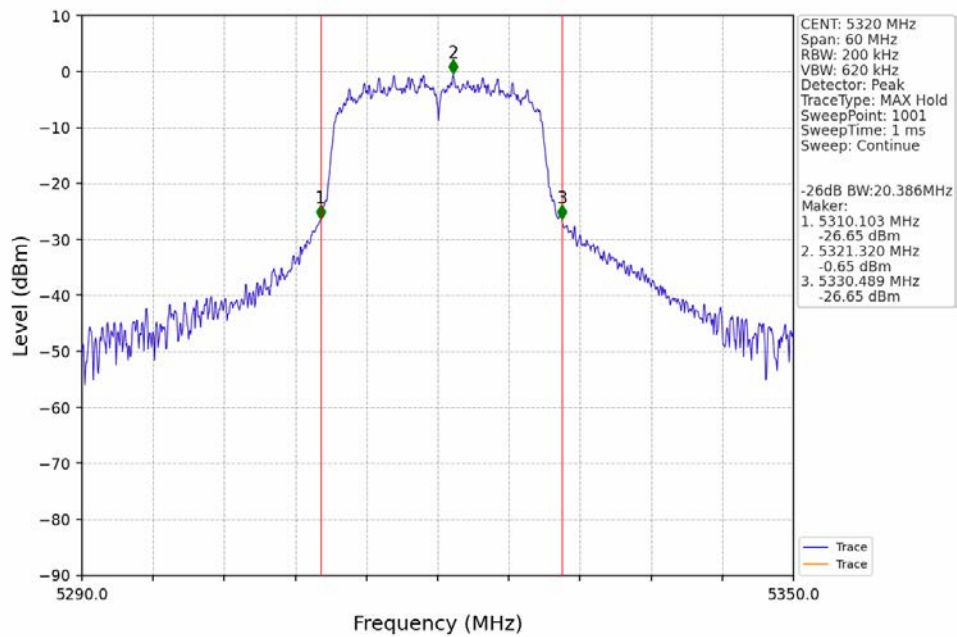
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



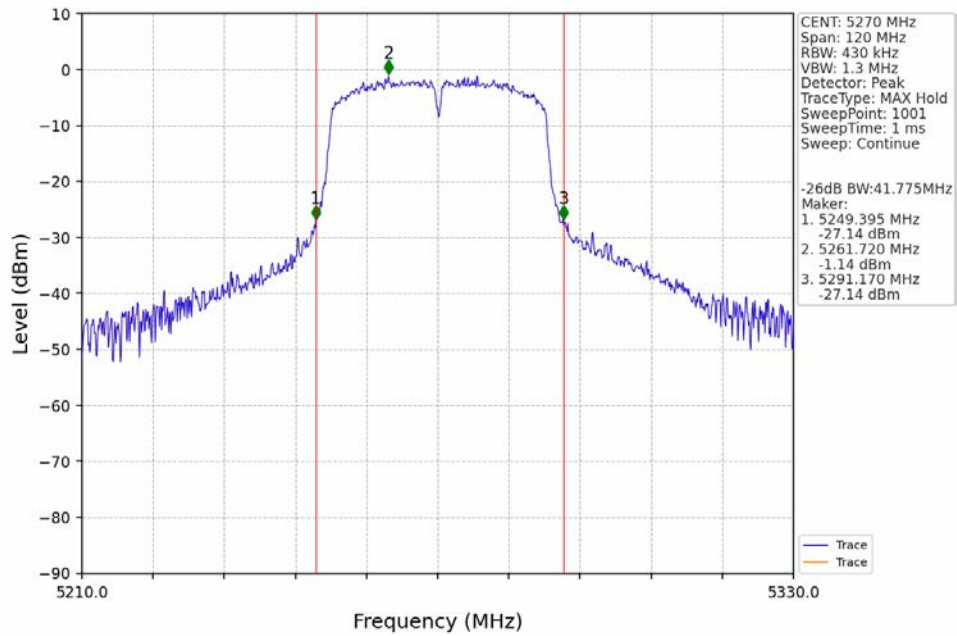
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



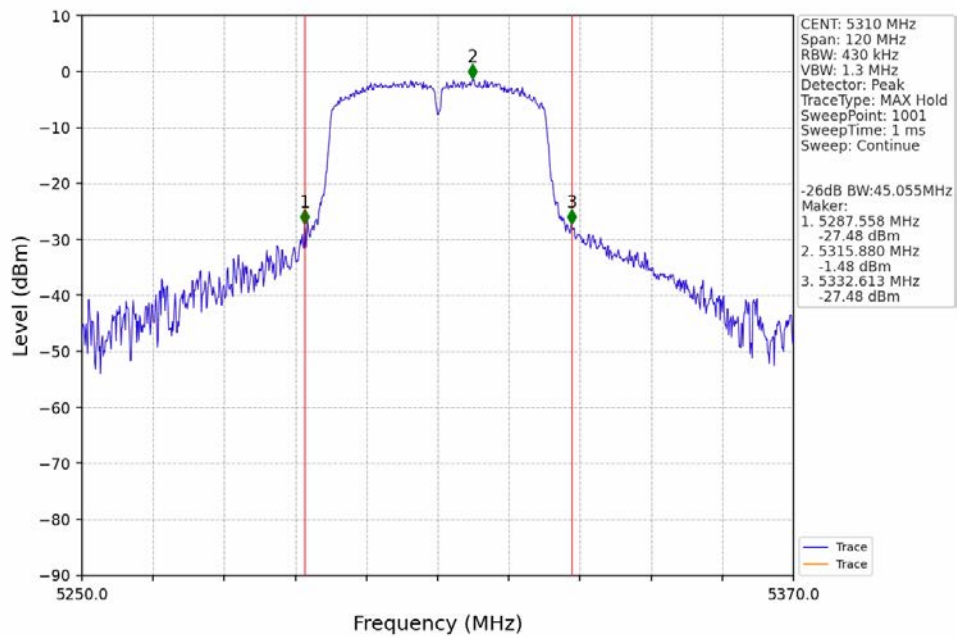
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



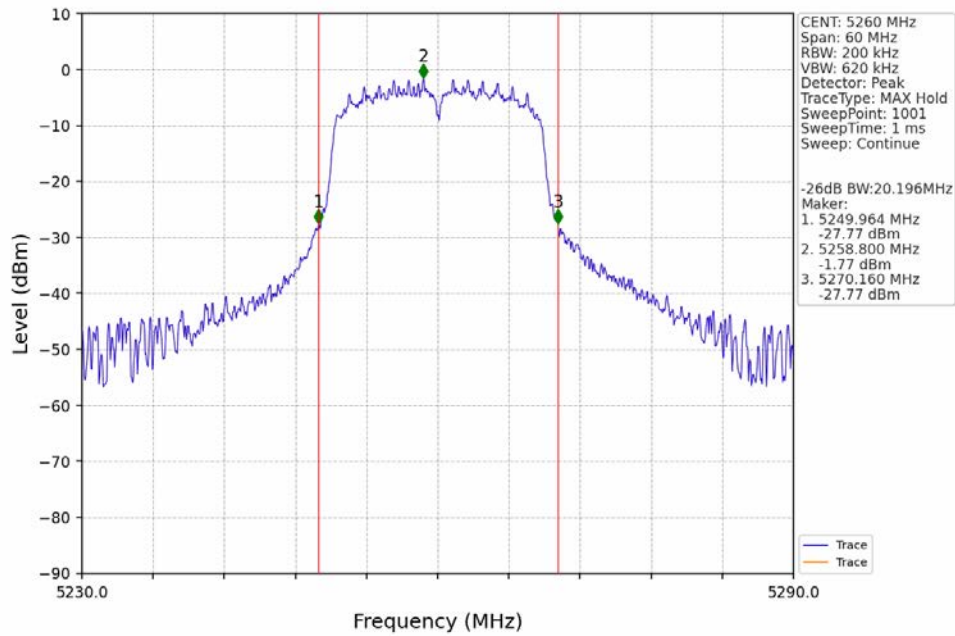
802.11n(HT40) LCH 5270MHz_Ant1_NTNV



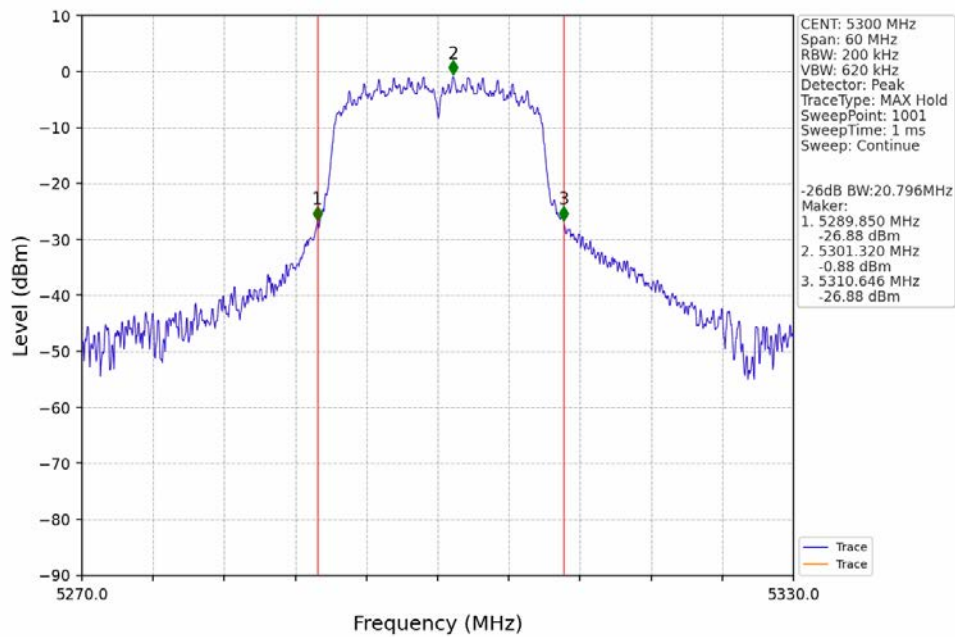
802.11n(HT40) HCH 5310MHz_Ant1_NTNV



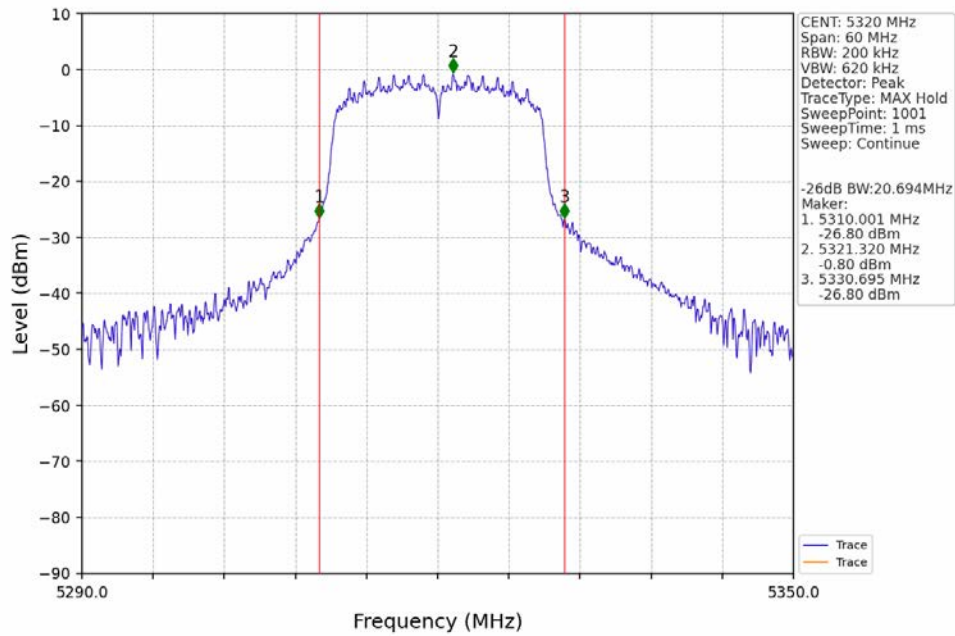
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



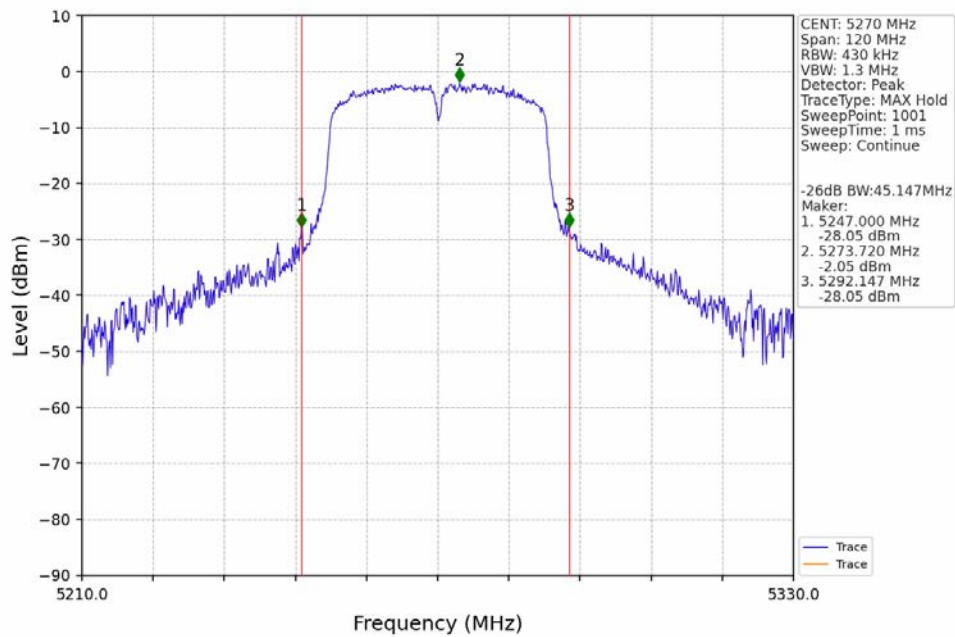
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



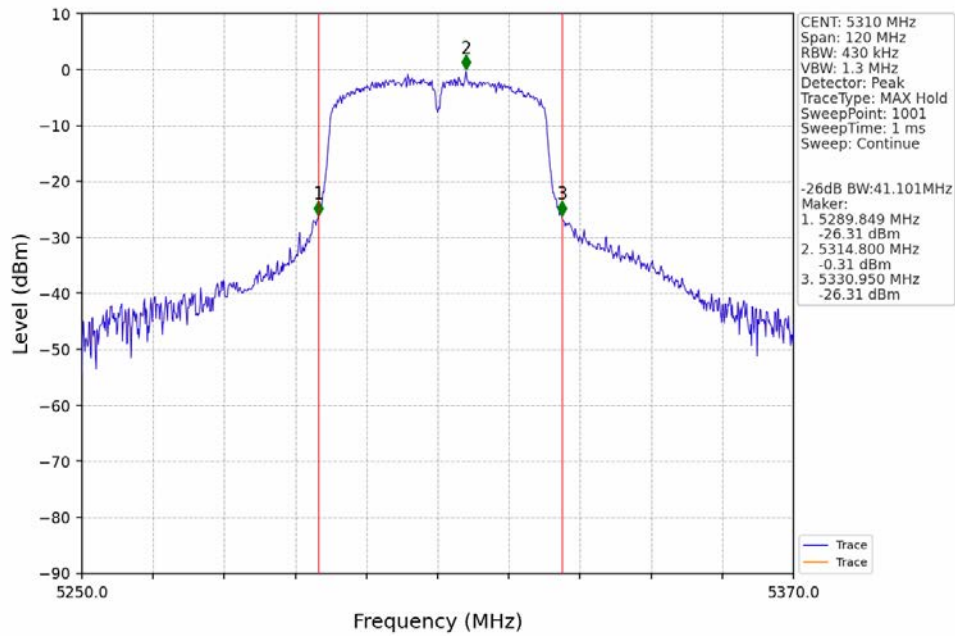
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



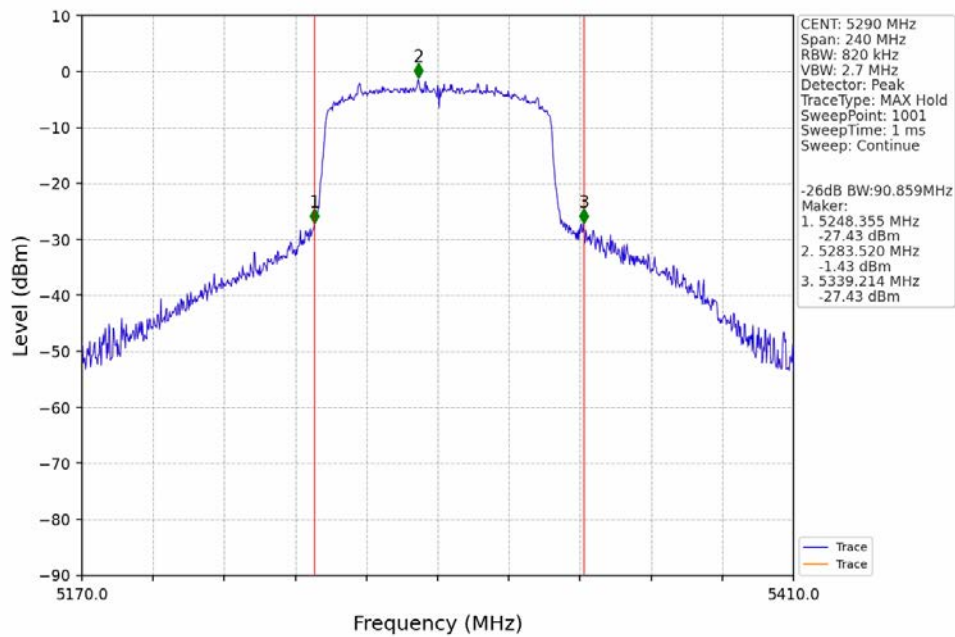
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5290MHz_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	5260	7.32	<=23.98	Pass
		5300	7.84	<=23.98	Pass
		5320	8.47	<=23.98	Pass
802.11n (HT20)	SISO	5260	7.35	<=23.98	Pass
		5300	7.89	<=23.98	Pass
		5320	8.22	<=23.98	Pass
802.11n (HT40)	SISO	5270	7.91	<=23.98	Pass
		5310	8.13	<=23.98	Pass
802.11ac (VHT20)	SISO	5260	6.78	<=23.98	Pass
		5300	7.83	<=23.98	Pass
		5320	8.02	<=23.98	Pass
802.11ac (VHT40)	SISO	5270	7.52	<=23.98	Pass
		5310	8.09	<=23.98	Pass
802.11ac (VHT80)	SISO	5290	8.27	<=23.98	Pass

Note1: Antenna Gain: Ant1: 3.83dBi;

4. Maximum Power Spectral Density

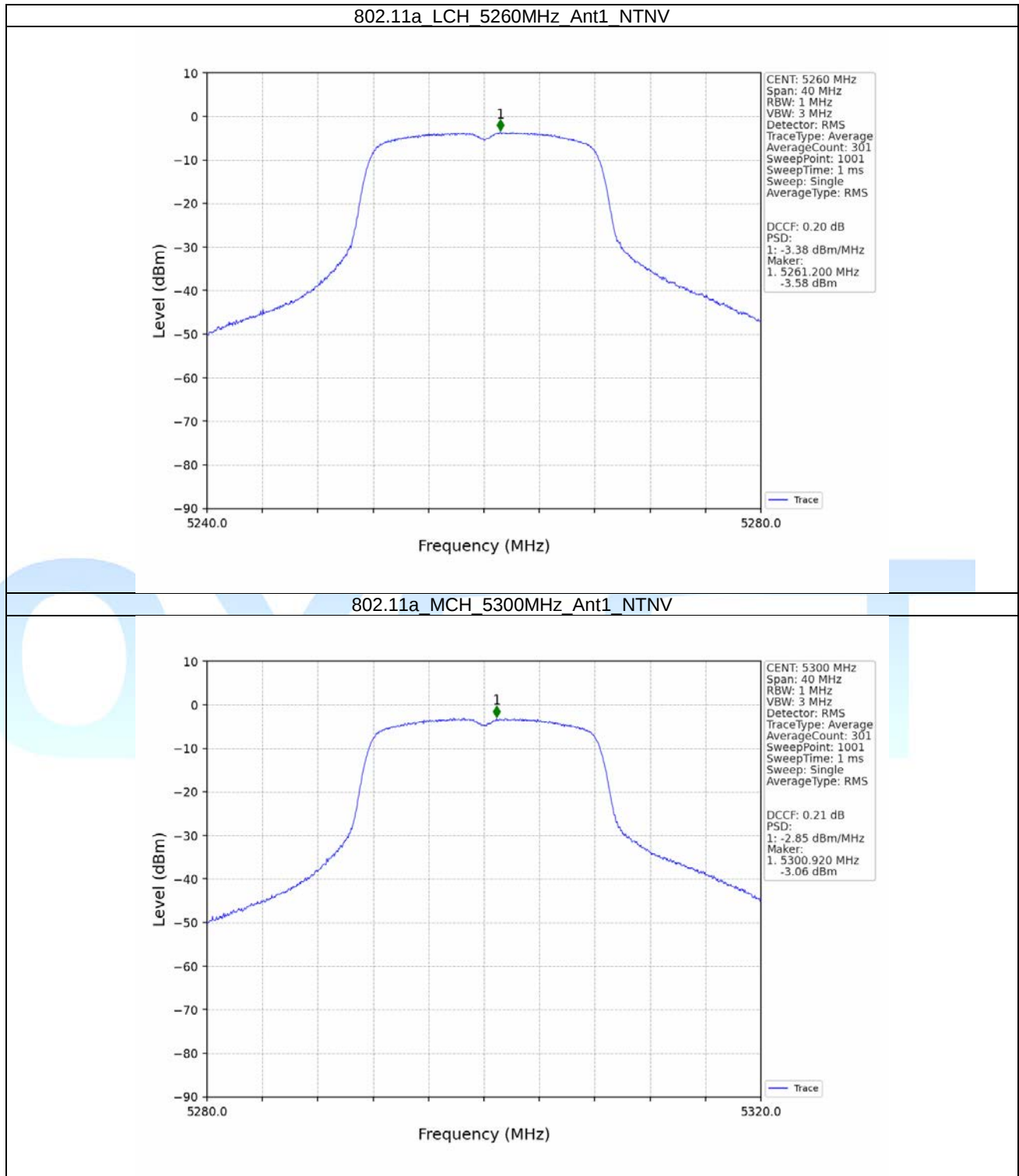
4.1 Test Result

4.1.1 PSD

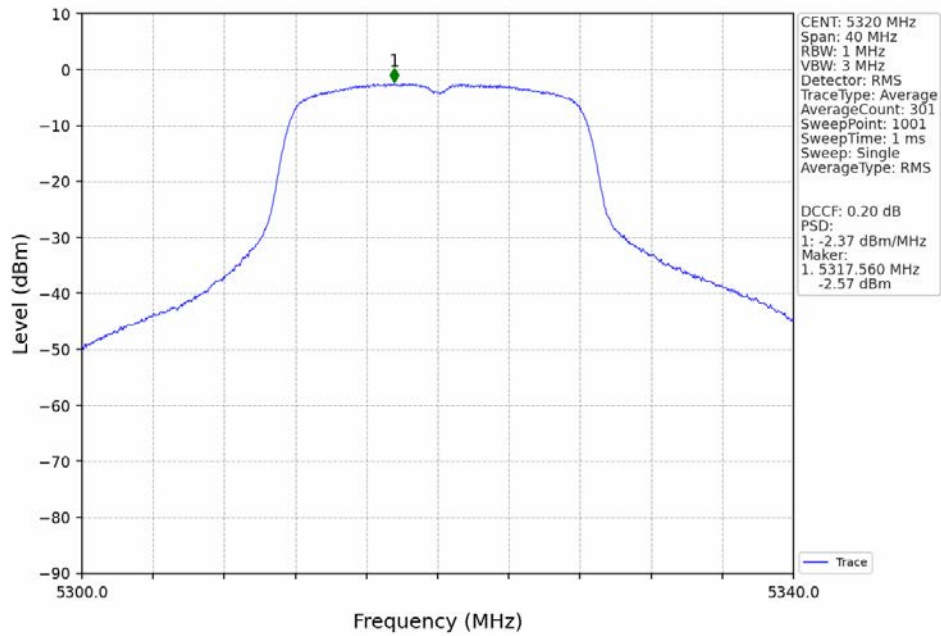
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5260	-3.38	<=11	Pass
		5300	-2.85	<=11	Pass
		5320	-2.37	<=11	Pass
802.11n (HT20)	SISO	5260	-3.58	<=11	Pass
		5300	-3.07	<=11	Pass
		5320	-2.82	<=11	Pass
802.11n (HT40)	SISO	5270	-6.17	<=11	Pass
		5310	-5.74	<=11	Pass
802.11ac (VHT20)	SISO	5260	-4.08	<=11	Pass
		5300	-3.07	<=11	Pass
		5320	-2.90	<=11	Pass
802.11ac (VHT40)	SISO	5270	-6.45	<=11	Pass
		5310	-5.92	<=11	Pass
802.11ac (VHT80)	SISO	5290	-9.12	<=11	Pass
Note1: Antenna Gain: Ant1: 3.83dBi; Note2: Test result contains DCCF					

4.2 Test Graph

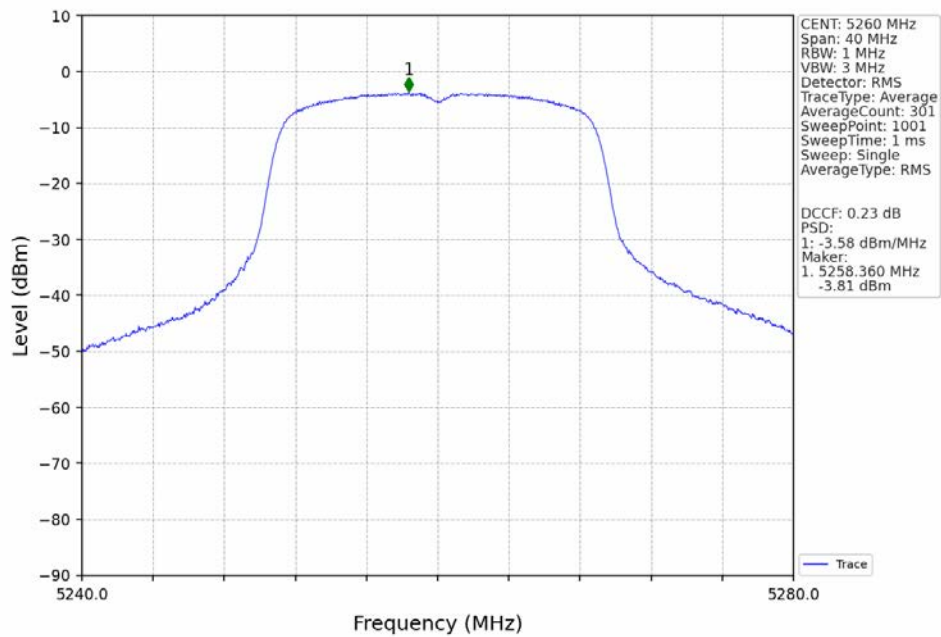
4.2.1 PSD



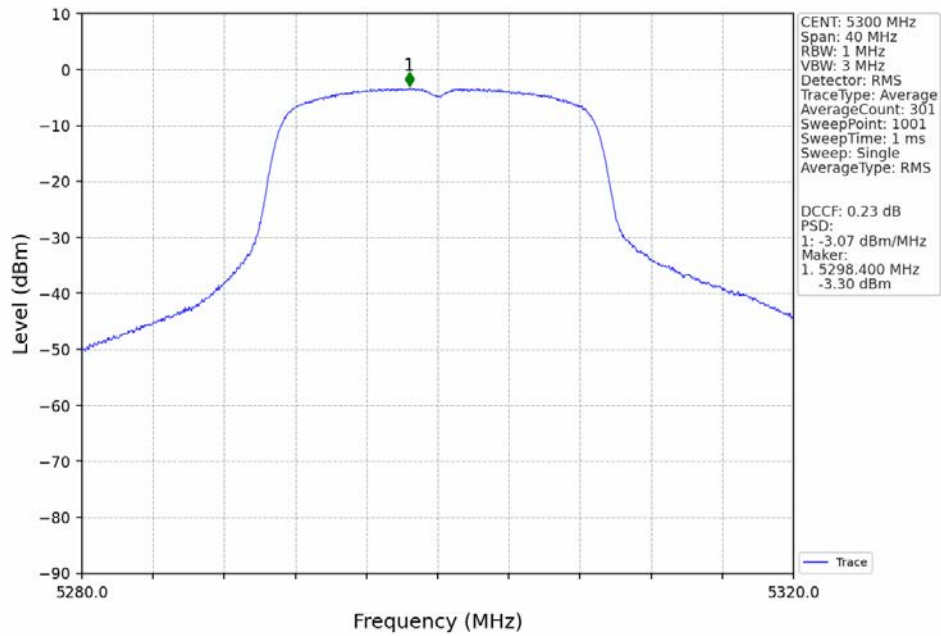
802.11a_HCH_5320MHz_Ant1_NTNV



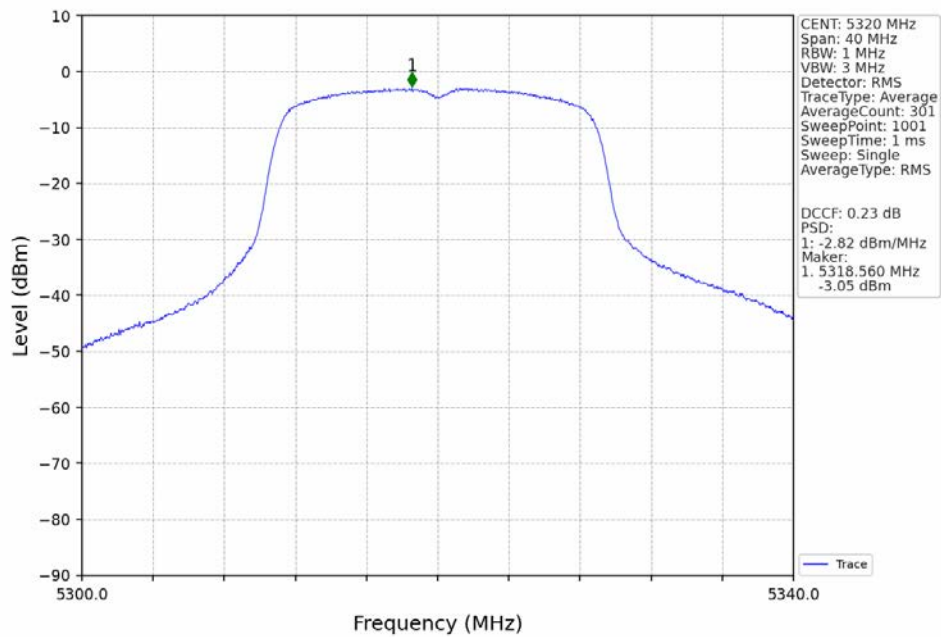
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



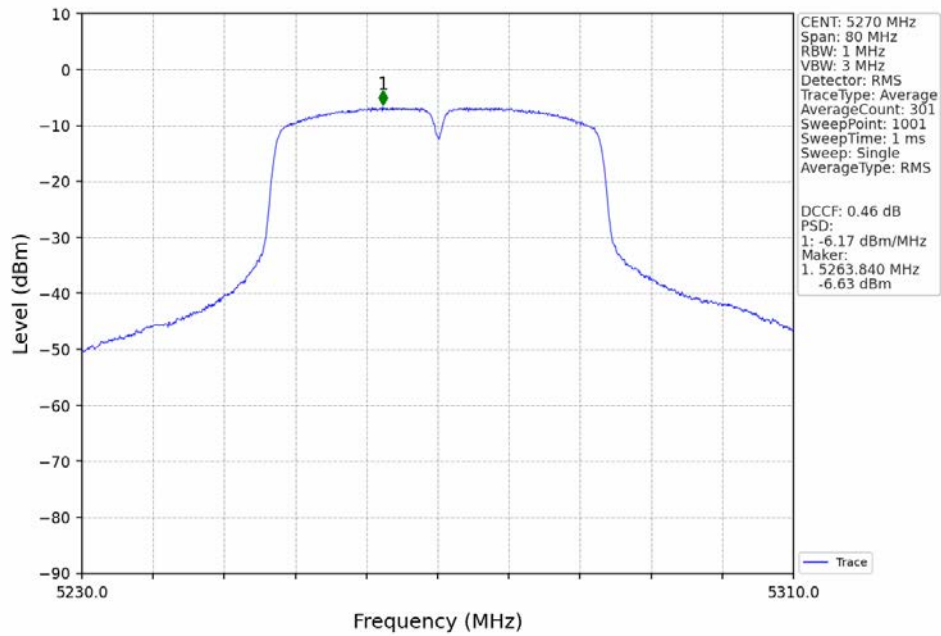
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



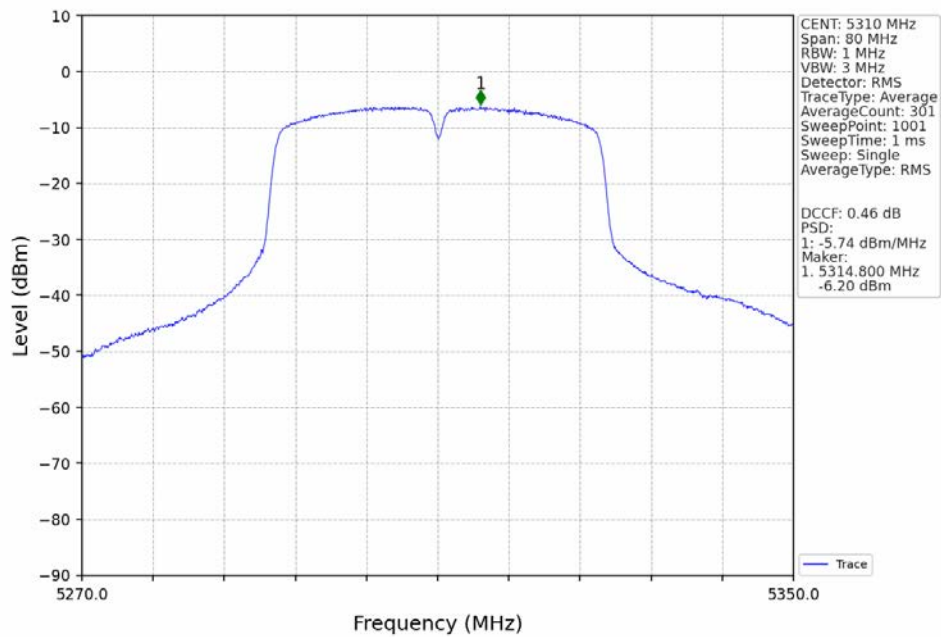
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



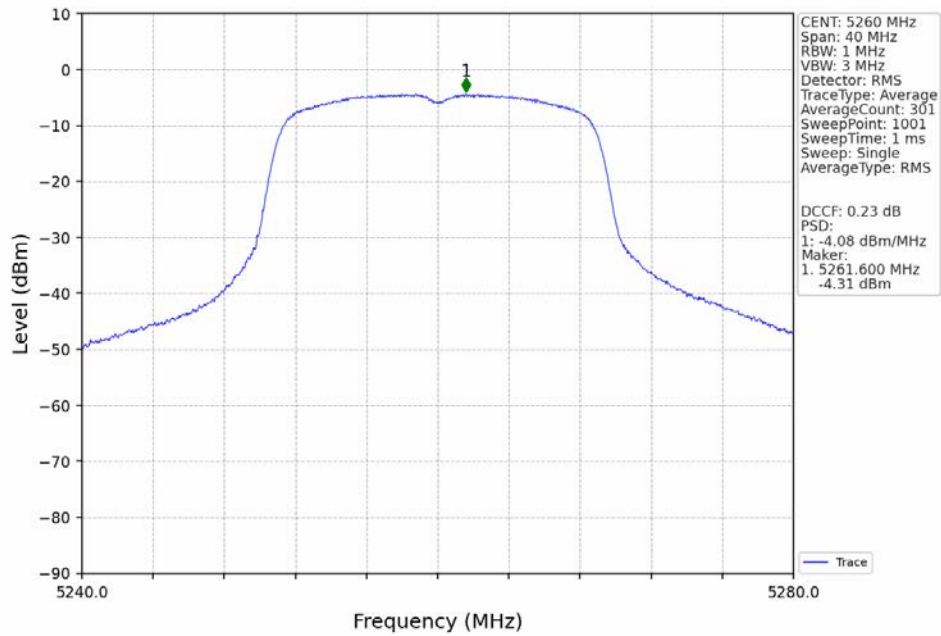
802.11n(HT40) LCH 5270MHz_Ant1_NTNV



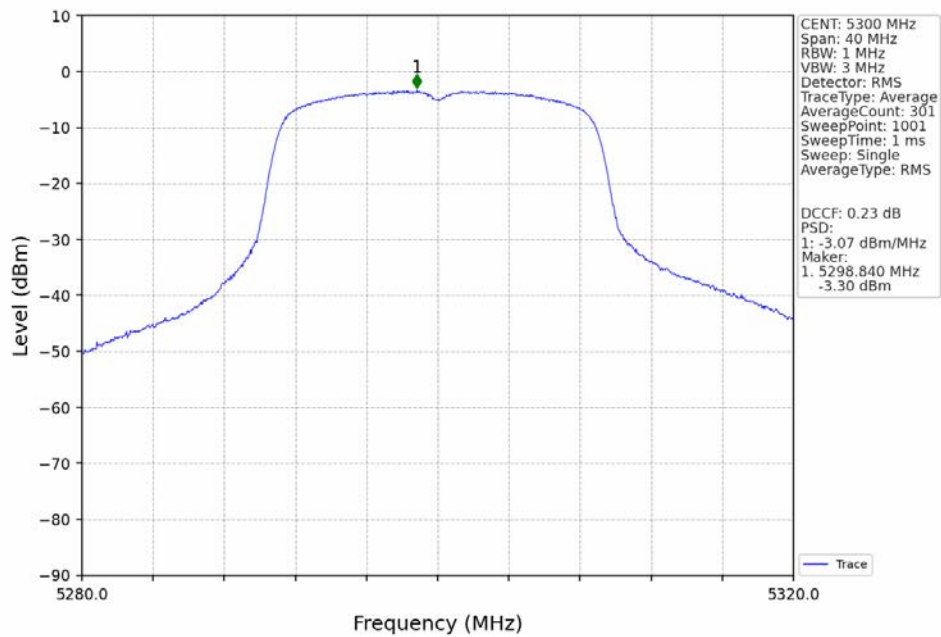
802.11n(HT40) HCH 5310MHz_Ant1_NTNV



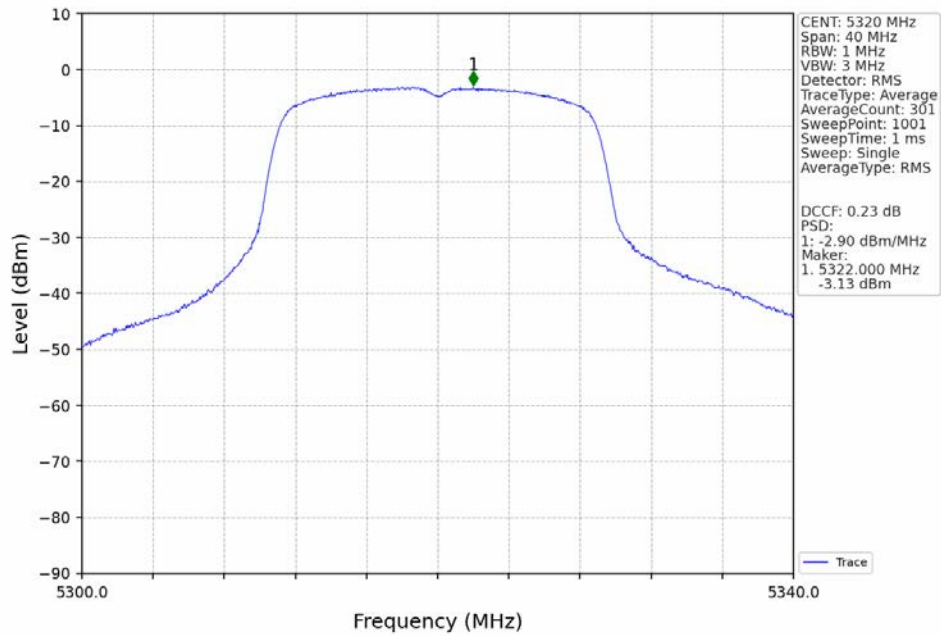
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



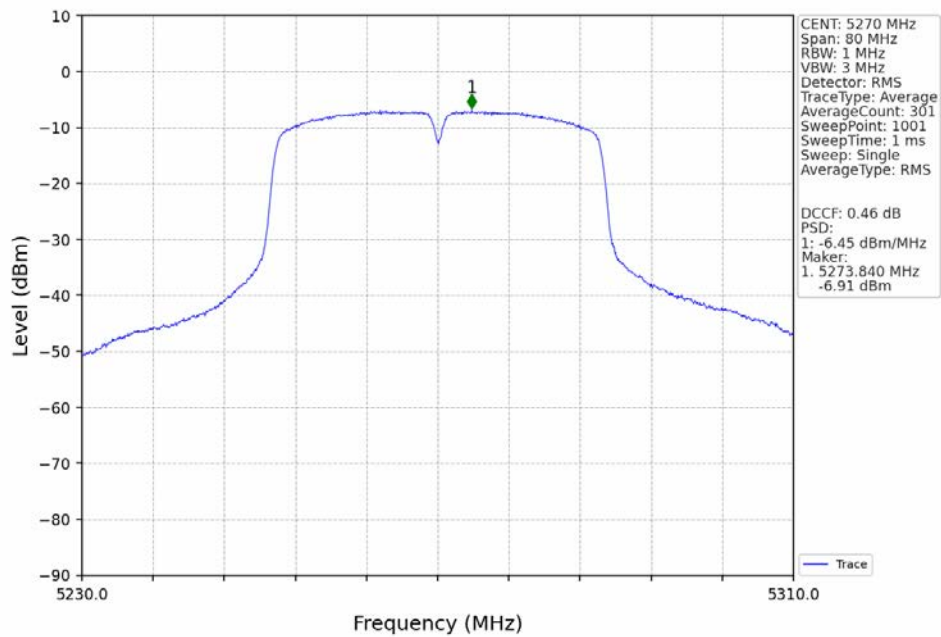
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



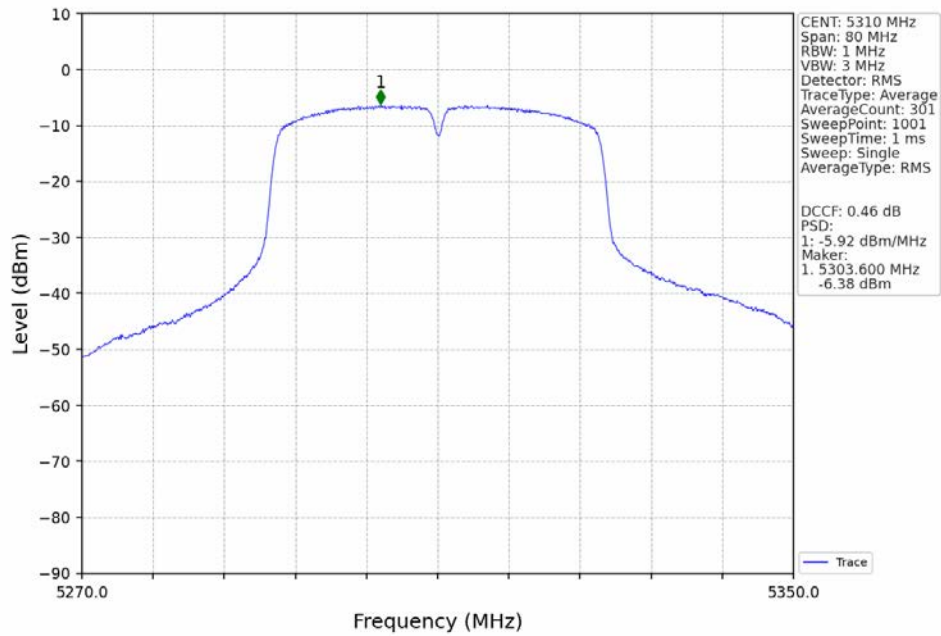
802.11ac(VHT20) HCH 5320MHz_Ant1_NTNV



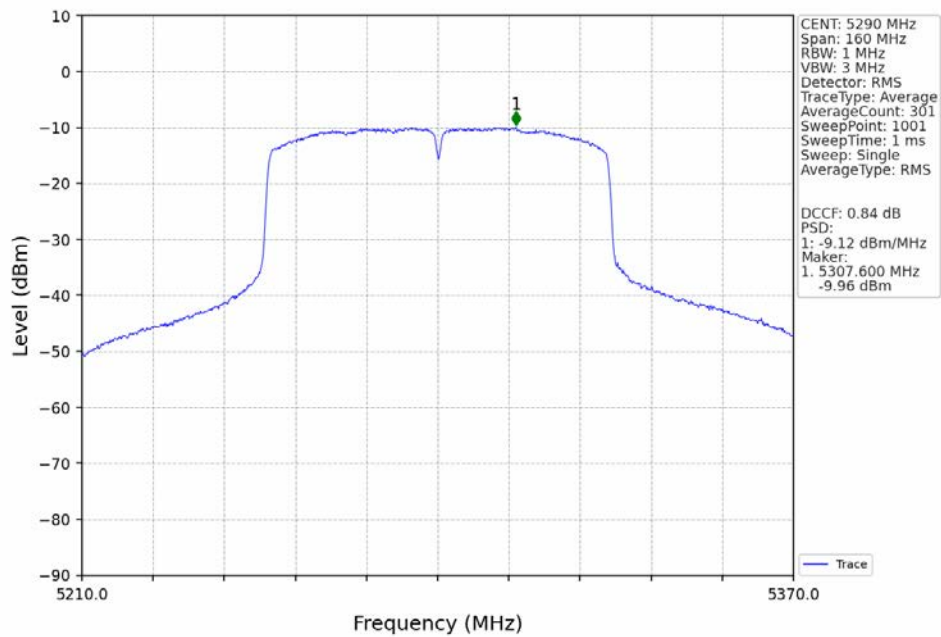
802.11ac(VHT40) LCH 5270MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



5. Unwanted Emissions In Restricted Frequency Bands

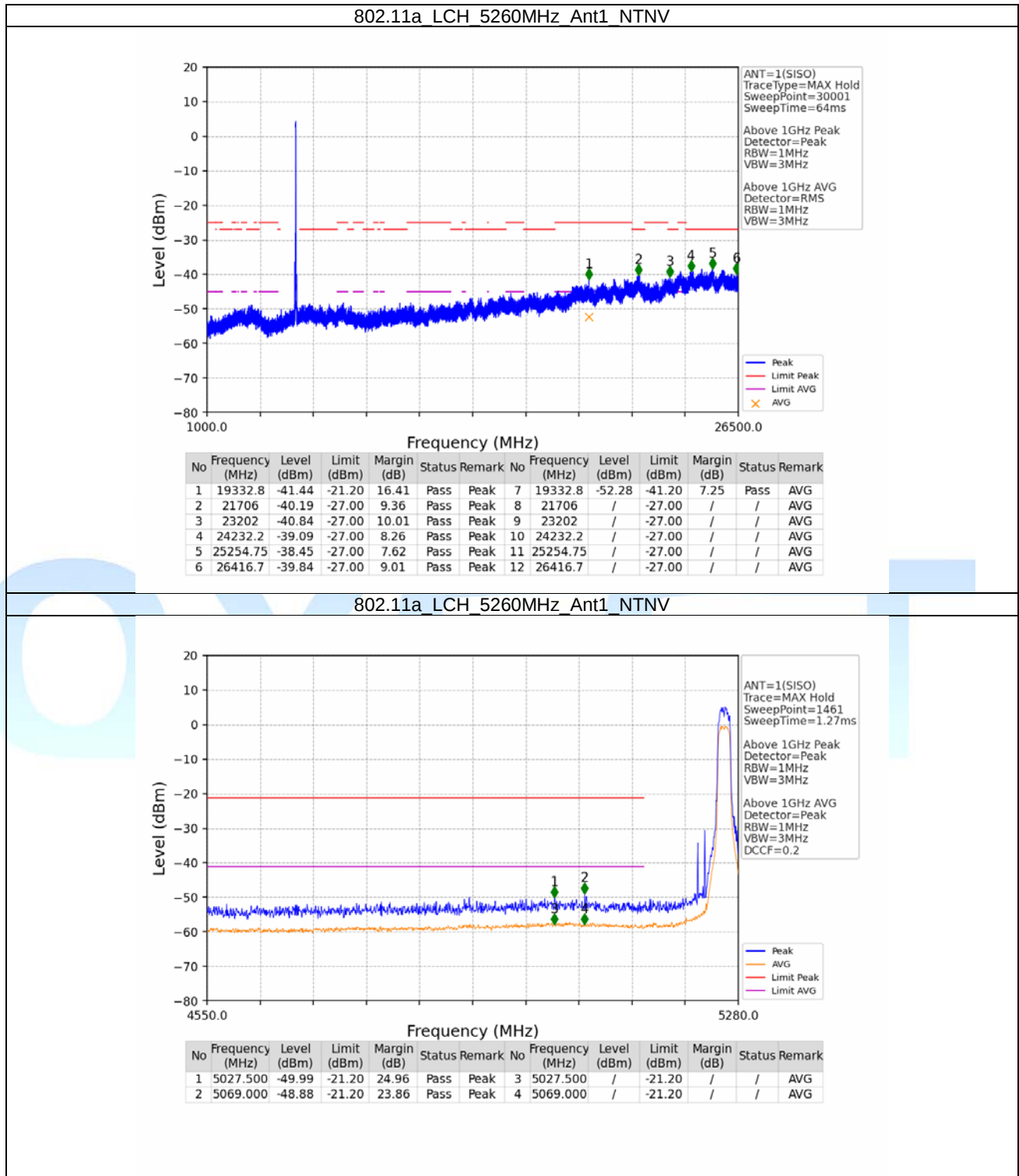
5.1 Test Result

5.1.1 RSE

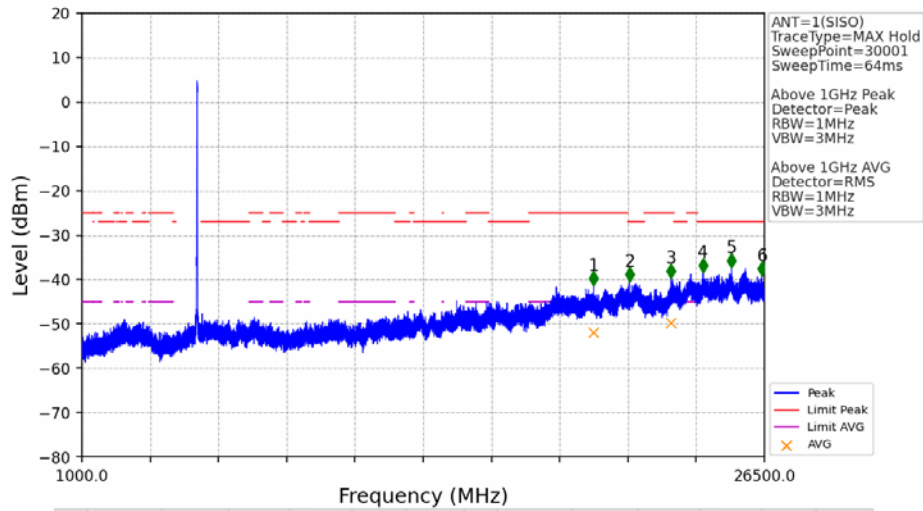
Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
802.11a	SISO	5260	1	Refer To Test Graph		Pass
		5300	1	Refer To Test Graph		Pass
		5320	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5260	1	Refer To Test Graph		Pass
		5300	1	Refer To Test Graph		Pass
		5320	1	Refer To Test Graph		Pass
802.11n (HT40)	SISO	5270	1	Refer To Test Graph		Pass
		5310	1	Refer To Test Graph		Pass
802.11ac (VHT20)	SISO	5260	1	Refer To Test Graph		Pass
		5300	1	Refer To Test Graph		Pass
		5320	1	Refer To Test Graph		Pass
802.11ac (VHT40)	SISO	5270	1	Refer To Test Graph		Pass
		5310	1	Refer To Test Graph		Pass
802.11ac (VHT80)	SISO	5290	1	Refer To Test Graph		Pass

5.2 Test Graph

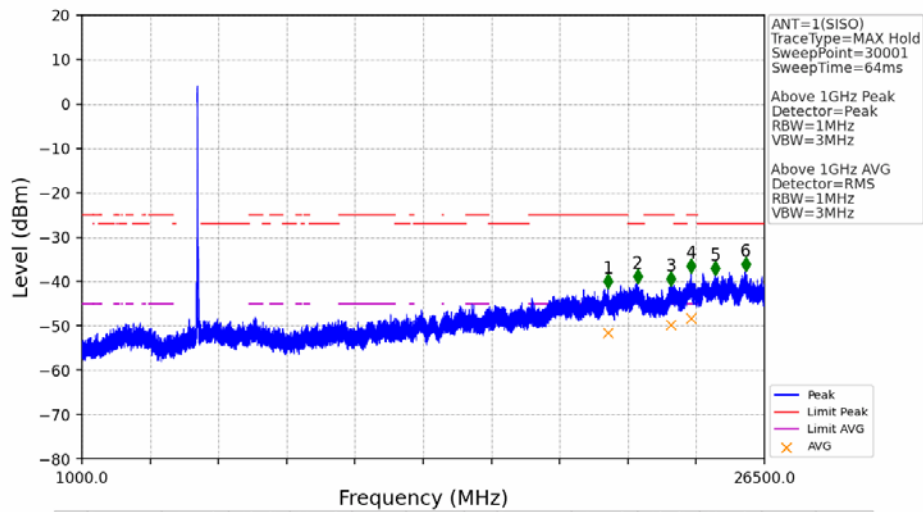
5.2.1 RSE



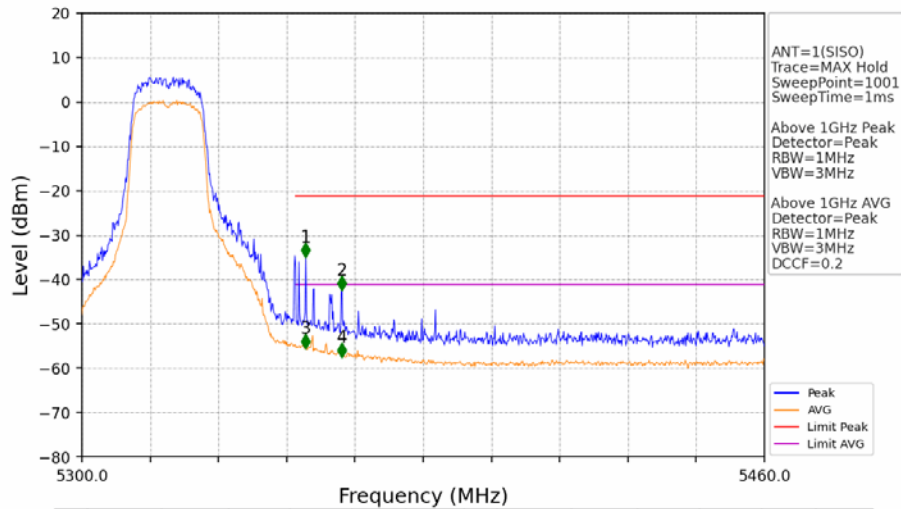
802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV

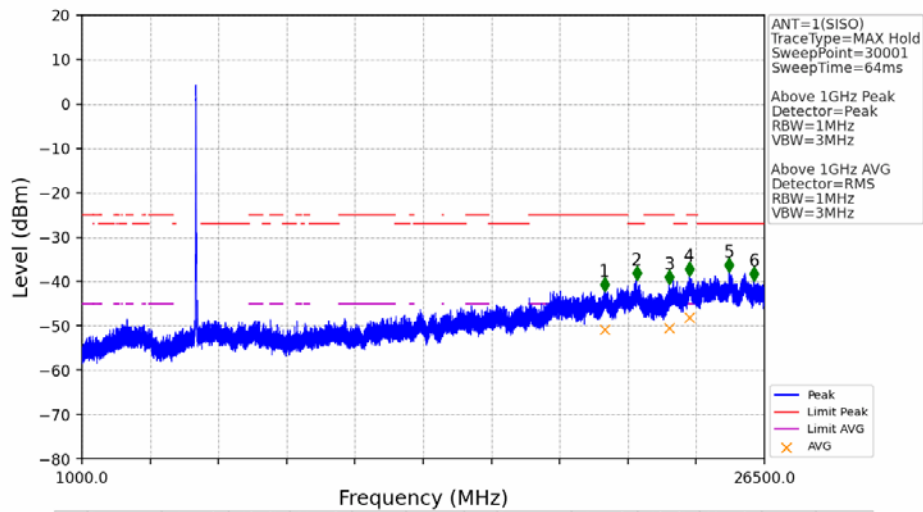


802.11a_HCH_5320MHz_Ant1_NTNV



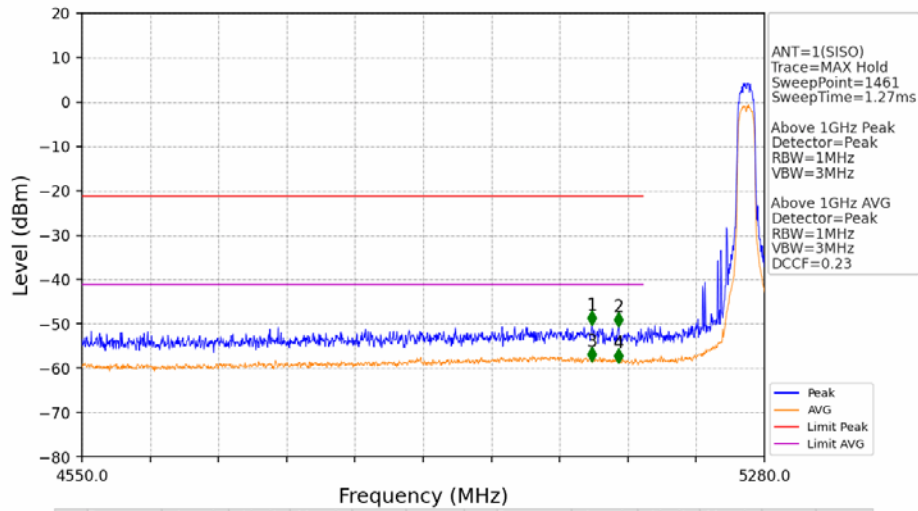
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	5352.480	-34.91	-21.20	9.88	Pass Peak	3	5352.480	/	-21.20	/	/ AVG
2	5360.960	-42.40	-21.20	17.37	Pass Peak	4	5360.960	/	-21.20	/	/ AVG

802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



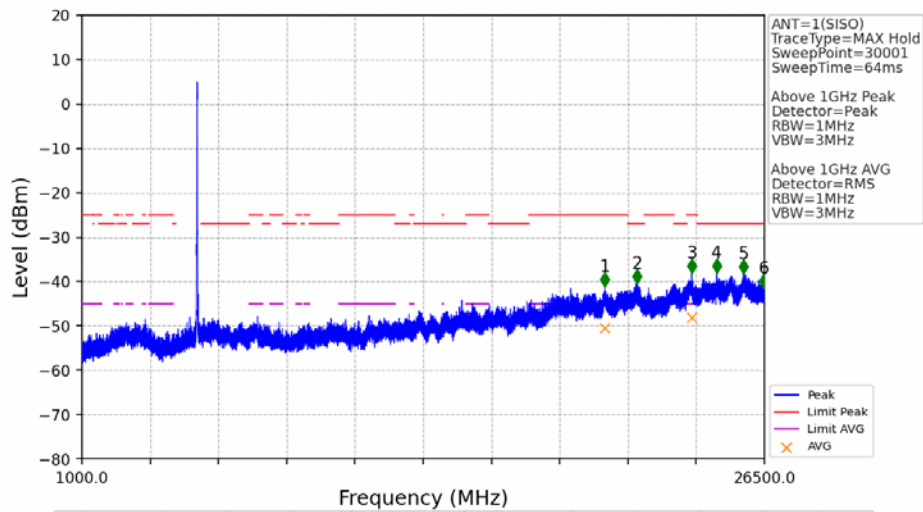
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1	20521.1	-42.17	-21.20	17.14	Pass Peak	7	20521.1	-50.79	-41.20	5.76	Pass AVG
2	21723.85	-39.69	-27.00	8.86	Pass Peak	8	21723.85	/	-27.00	/	/ AVG
3	22933.4	-40.62	-21.20	15.59	Pass Peak	9	22933.4	-50.41	-41.20	5.38	Pass AVG
4	23700.1	-38.74	-21.20	13.71	Pass Peak	10	23700.1	-48.07	-41.20	3.04	Pass AVG
5	25180.8	-37.85	-27.00	7.02	Pass Peak	11	25180.8	/	-27.00	/	/ AVG
6	26107.3	-39.85	-27.00	9.02	Pass Peak	12	26107.3	/	-27.00	/	/ AVG

802.11n(HT20) LCH_5260MHz_Ant1_NTNV



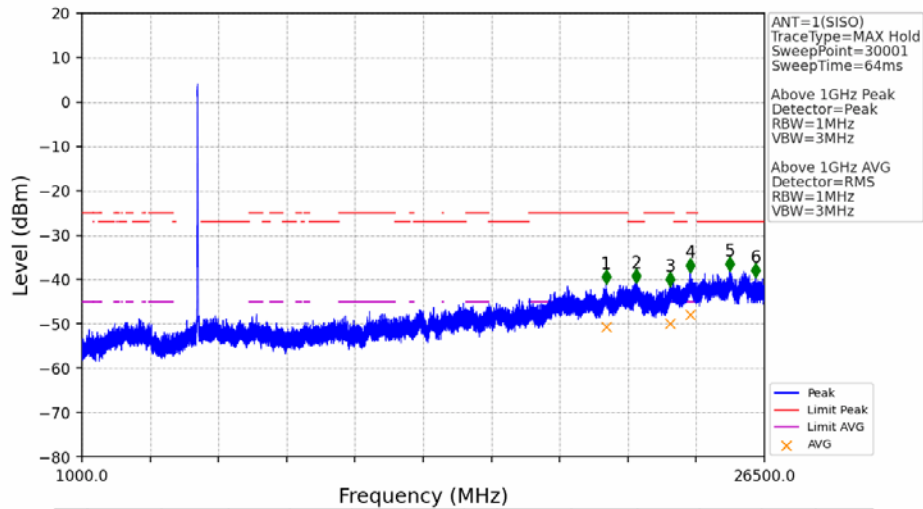
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1	5095.500	-50.29	-21.20	25.26	Pass	Peak	3	5095.500	/	-21.20	/	/	AVG
2	5124.000	-50.70	-21.20	25.67	Pass	Peak	4	5124.000	/	-21.20	/	/	AVG

802.11n(HT20) MCH_5300MHz_Ant1_NTNV



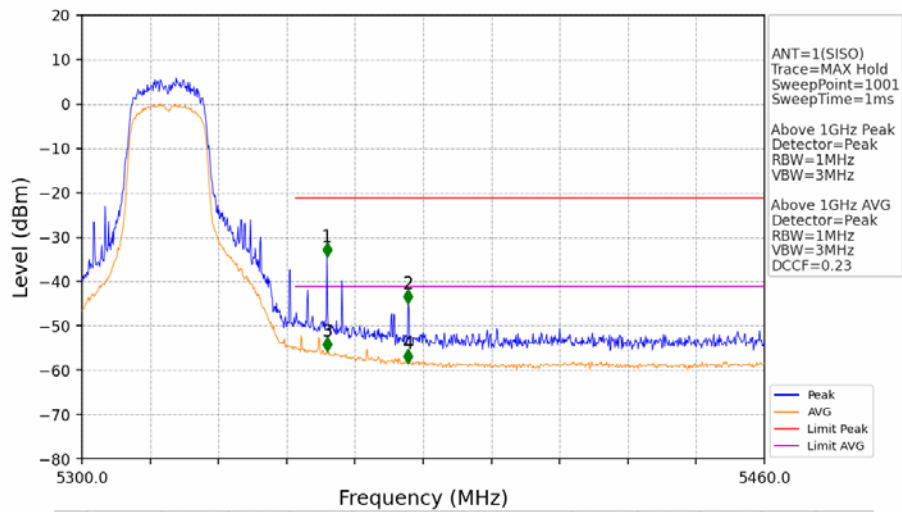
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1	20546.6	-41.10	-21.20	16.07	Pass	Peak	7	20546.6	-50.57	-41.20	5.54	Pass	AVG
2	21728.1	-40.47	-27.00	9.64	Pass	Peak	8	21728.1	/	-27.00	/	/	AVG
3	23780.85	-38.08	-21.20	13.05	Pass	Peak	9	23780.85	-48.11	-41.20	3.08	Pass	AVG
4	24715	-38.12	-27.00	7.29	Pass	Peak	10	24715	/	-27.00	/	/	AVG
5	25708.65	-38.26	-27.00	7.43	Pass	Peak	11	25708.65	/	-27.00	/	/	AVG
6	26484.7	-41.53	-27.00	10.70	Pass	Peak	12	26484.7	/	-27.00	/	/	AVG

802.11n(HT20) HCH 5320MHz_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	20578.9	-40.89	-21.20	15.86	Pass	Peak	7	20578.9	-50.74	-41.20	5.71	Pass	AVG
2	21700.9	-40.84	-27.00	10.01	Pass	Peak	8	21700.9	/	-27.00	/	/	AVG
3	22972.5	-41.47	-21.20	16.44	Pass	Peak	9	22972.5	-49.95	-41.20	4.92	Pass	AVG
4	23741.75	-38.34	-21.20	13.31	Pass	Peak	10	23741.75	-48.01	-41.20	2.98	Pass	AVG
5	25206.3	-38.00	-27.00	7.17	Pass	Peak	11	25206.3	/	-27.00	/	/	AVG
6	26171.9	-39.55	-27.00	8.72	Pass	Peak	12	26171.9	/	-27.00	/	/	AVG

802.11n(HT20) HCH 5320MHz_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	5357.440	-34.42	-21.20	9.39	Pass	Peak	3	5357.440	/	-21.20	/	/	AVG
2	5376.480	-44.89	-21.20	19.86	Pass	Peak	4	5376.480	/	-21.20	/	/	AVG