

Appendix RF test data for WIFI2.4G

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 (%)
802.11b	SISO	2412	/	/	1.187	11.207	10.59	9.75	0.03
		2437	/	/	12.193	24.770	49.22	3.08	5.68
		2462	/	/	12.194	25.330	48.14	3.17	6.76
802.11g	SISO	2412	/	/	2.027	15.210	13.33	8.75	3.50
		2437	/	/	2.026	15.910	12.73	8.95	4.09
		2462	/	/	2.023	13.400	15.10	8.21	1.72
802.11n (HT20)	MIMO	2412	/	/	1.890	14.977	12.62	8.99	3.26
		2437	/	/	1.887	15.040	12.55	9.01	3.33
		2462	/	/	1.890	14.730	12.83	8.92	3.05
802.11n (HT40)	MIMO	2422	/	/	0.930	12.840	7.24	11.40	1.25
		2437	/	/	0.926	10.950	8.46	10.73	0.03
		2452	/	/	0.927	10.953	8.46	10.72	0.03
802.11ax (HEW20)	MIMO	2412	SU	/	0.140	12.833	1.09	19.62	0.29
		2437	SU	/	0.287	13.133	2.19	16.60	0.64
		2462	SU	/	0.290	11.137	2.60	15.84	0.21
802.11ax (HEW40)	MIMO	2422	SU	/	0.533	13.860	3.85	14.15	1.24
		2437	SU	/	0.286	10.866	2.63	15.80	0.18
		2452	SU	/	0.287	10.310	2.78	15.55	0.03

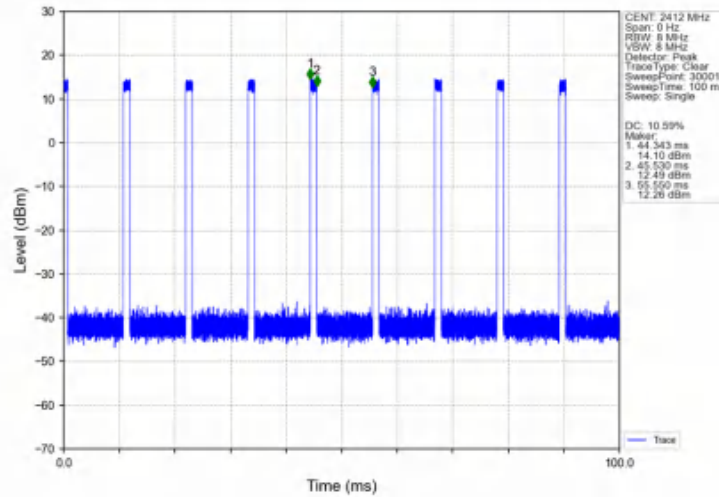
1.1.2 Ant2

Ant2									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	1.190	14.113	8.43	10.74	2.17
		2437	/	/	12.193	22.210	54.90	2.60	0.01
		2462	/	/	12.193	22.346	54.56	2.63	0.34
802.11g	SISO	2412	/	/	2.026	13.443	15.07	8.22	1.75
		2437	/	/	2.024	12.050	16.80	7.75	0.03
		2462	/	/	2.024	12.660	15.99	7.96	0.84
802.11n (HT20)	MIMO	2412	/	/	1.890	13.133	14.39	8.42	1.48
		2437	/	/	1.890	15.790	11.97	9.22	3.91
		2462	/	/	1.890	13.110	14.42	8.41	1.46
802.11n (HT40)	MIMO	2422	/	/	0.927	10.950	8.47	10.72	0.03
		2437	/	/	0.926	10.953	8.45	10.73	0.03
		2452	/	/	0.926	10.953	8.45	10.73	0.03
802.11ax (HEW20)	MIMO	2412	SU	/	0.140	12.280	1.14	19.43	0.24
		2437	SU	/	0.287	13.960	2.06	16.87	0.77
		2462	SU	/	0.286	13.290	2.15	16.67	0.66
802.11ax (HEW40)	MIMO	2422	SU	/	0.534	12.610	4.23	13.73	0.86
		2437	SU	/	0.287	10.310	2.78	15.55	0.03
		2452	SU	/	0.287	10.614	2.70	15.68	0.08

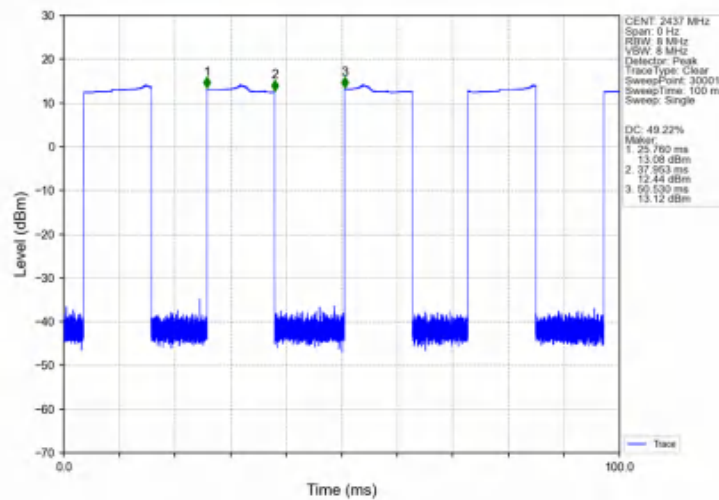
1.2 Test Graph

1.2.1 Ant1

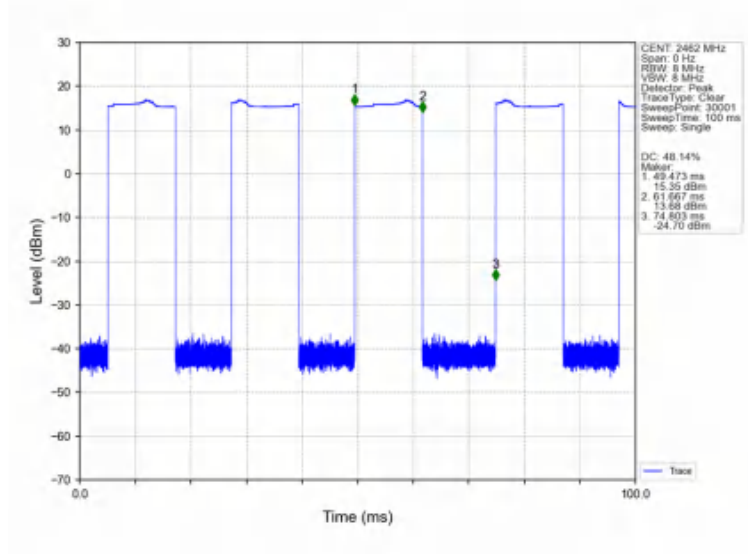
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



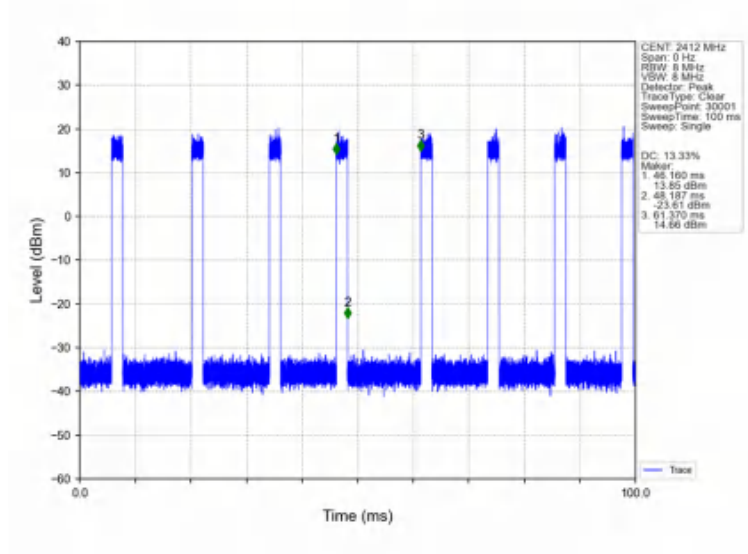
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



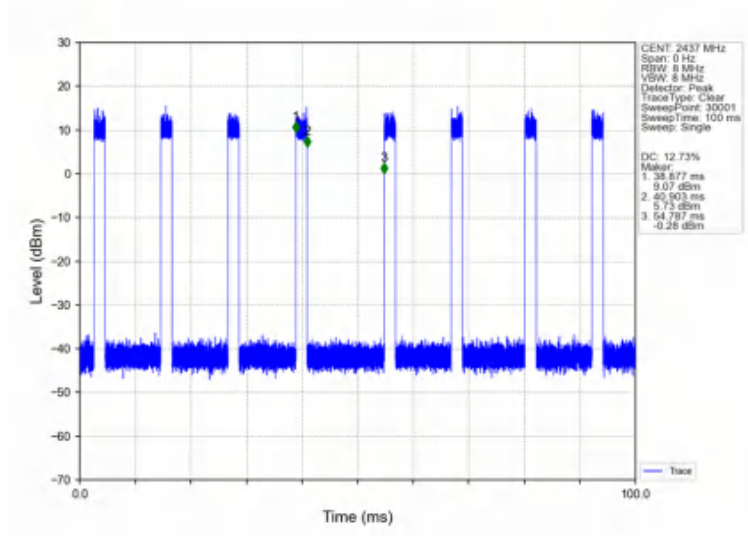
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



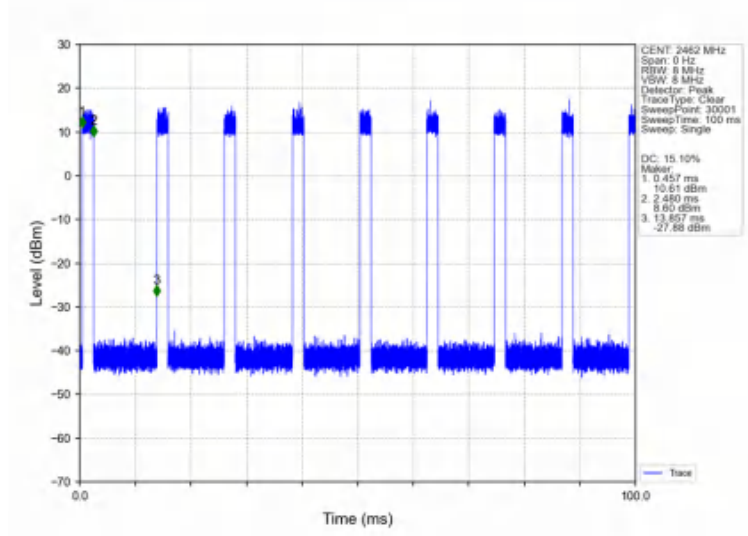
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



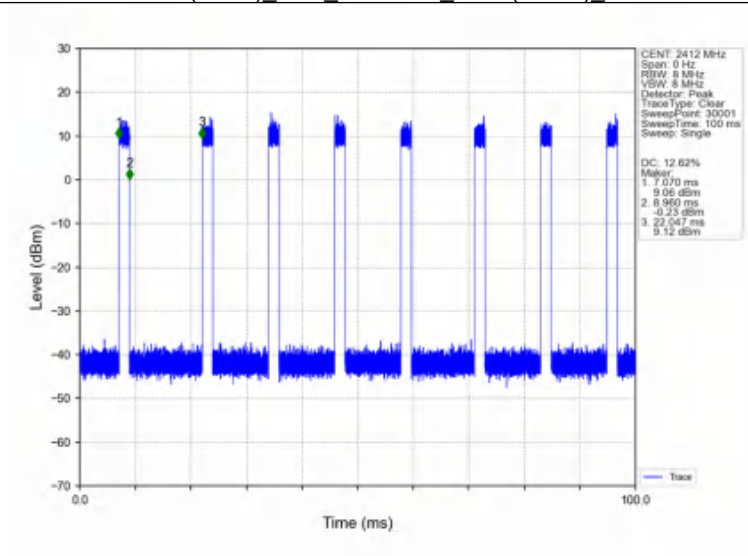
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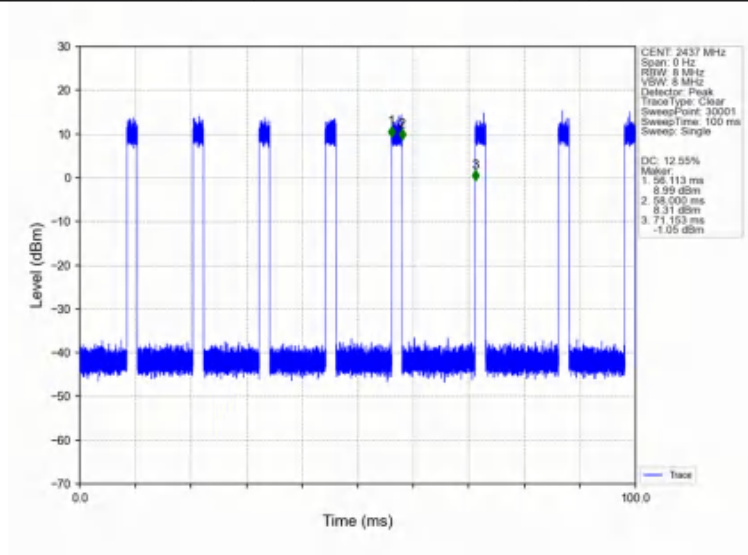
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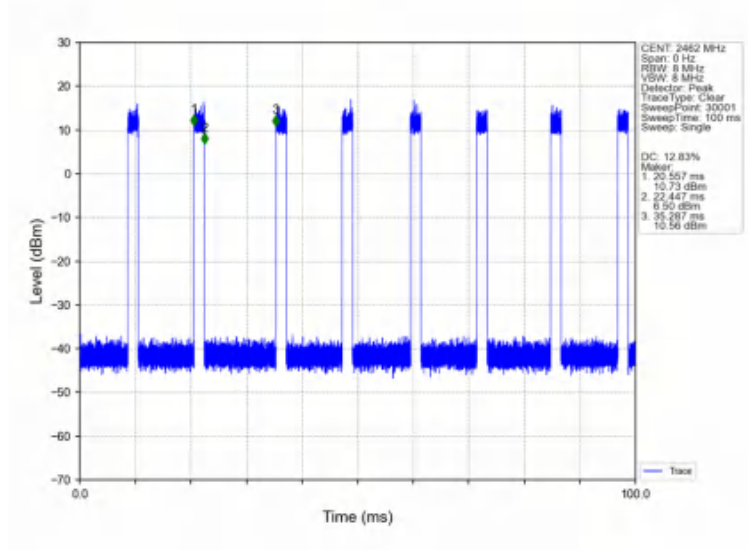
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



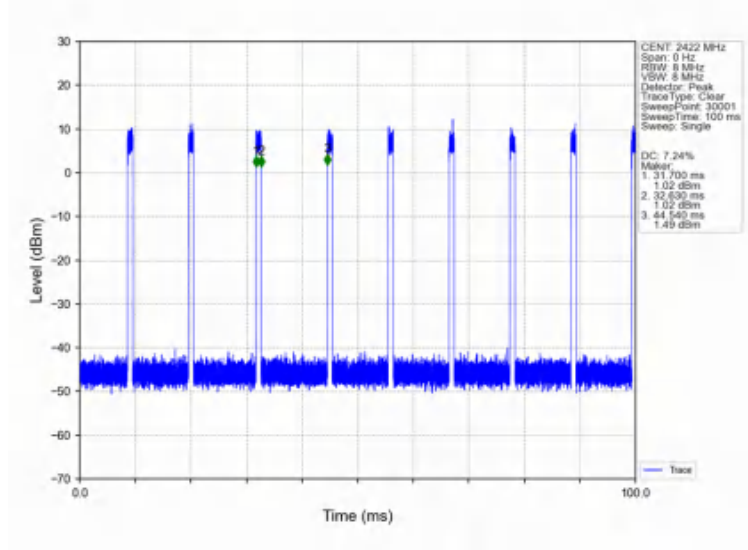
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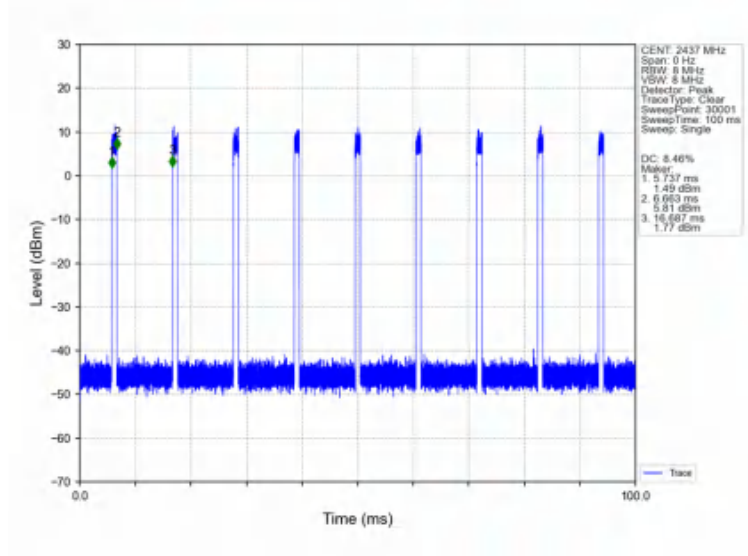
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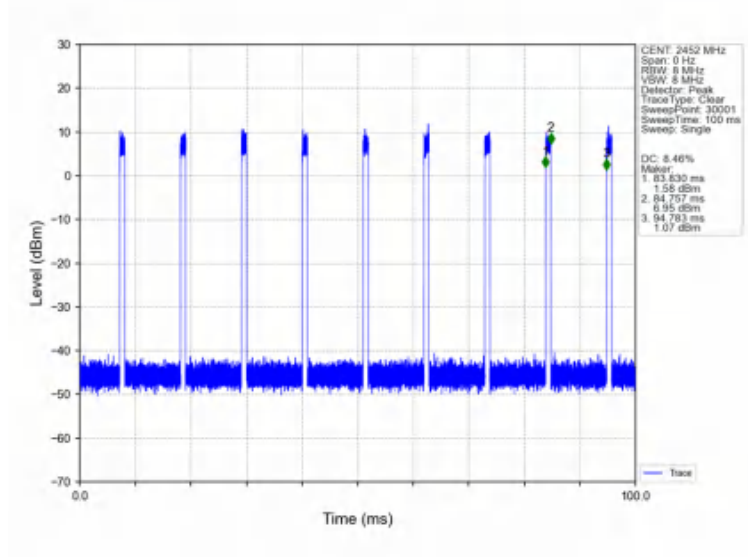
802.11n(HT40) LCH_2422MHz_Ant1 (MIMO)_NTNV



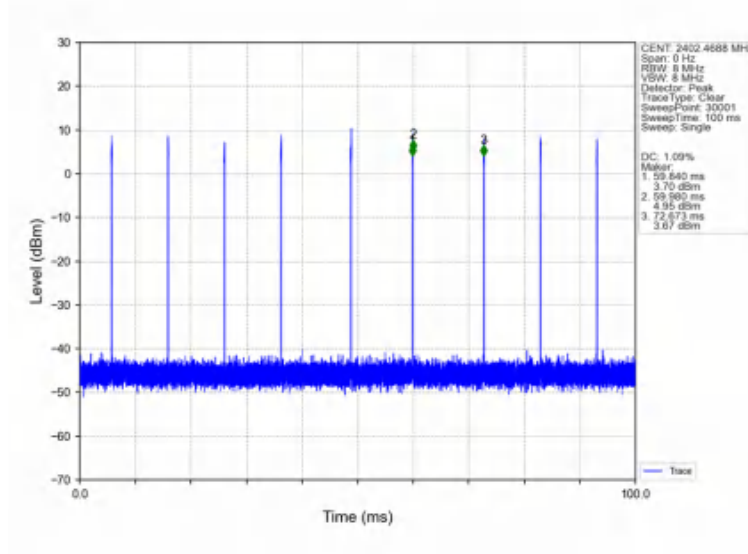
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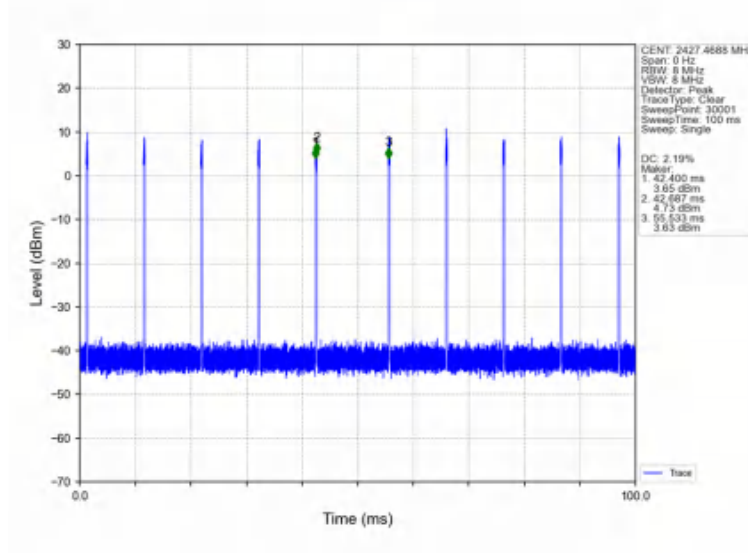
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



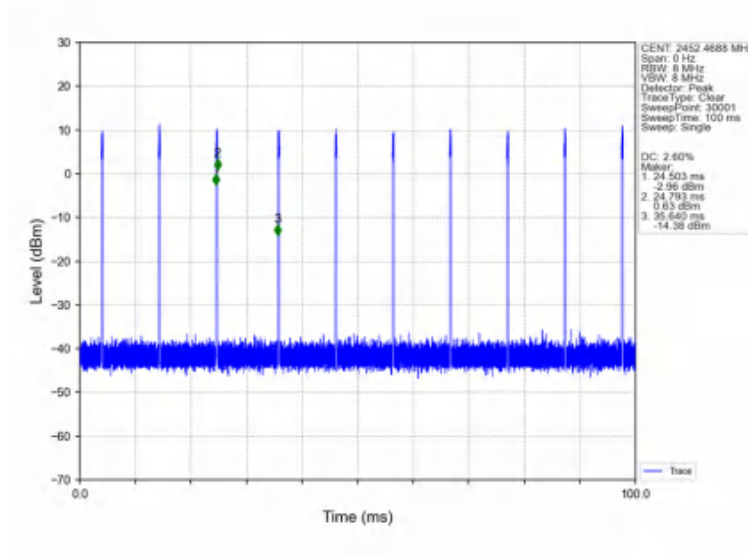
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant1 (MIMO)_NTNV



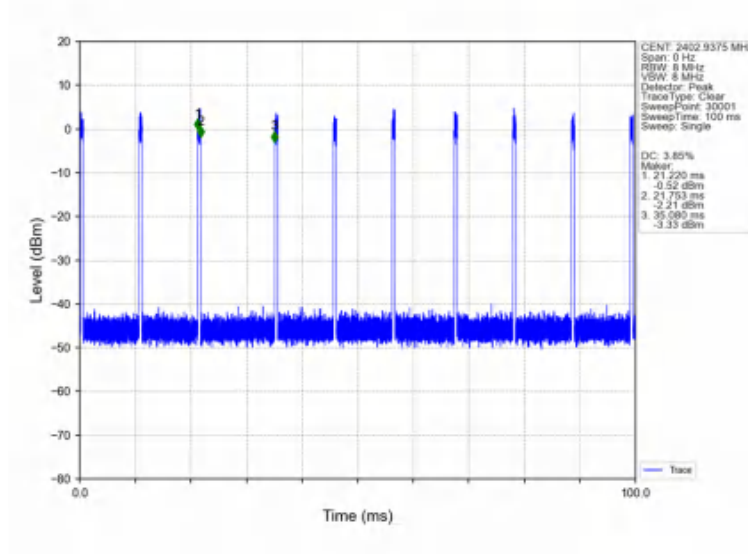
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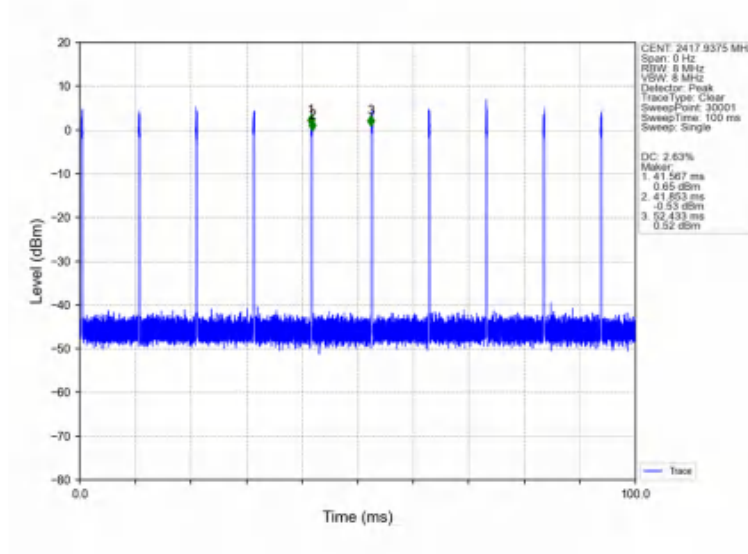
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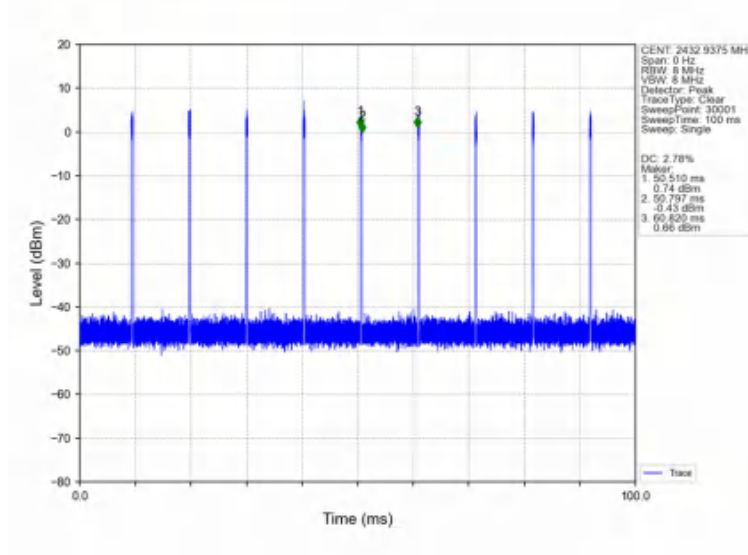
802.11ax(HEW40)_LCH_2422MHz_SU / _Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_SU_/_Ant1 (MIMO)_NTNV

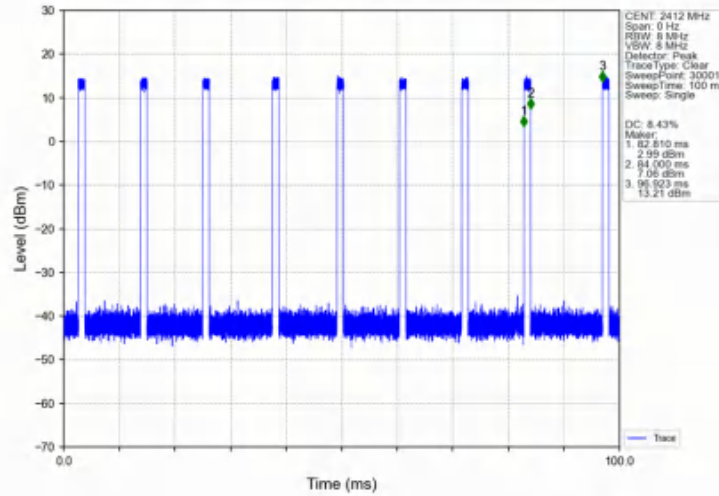


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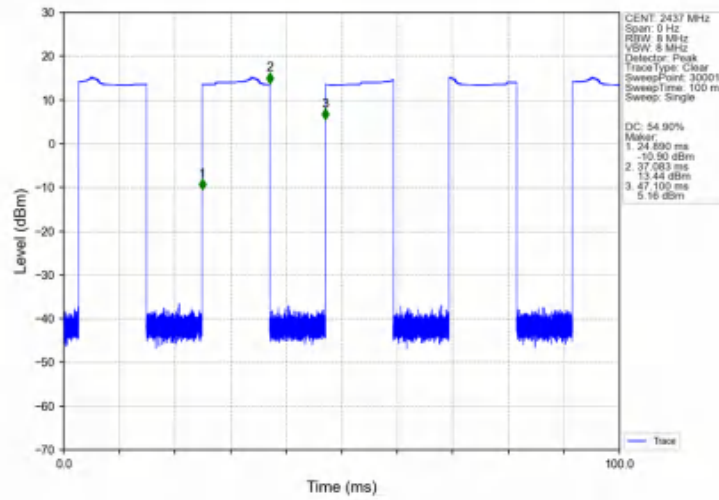


1.2.2 Ant2

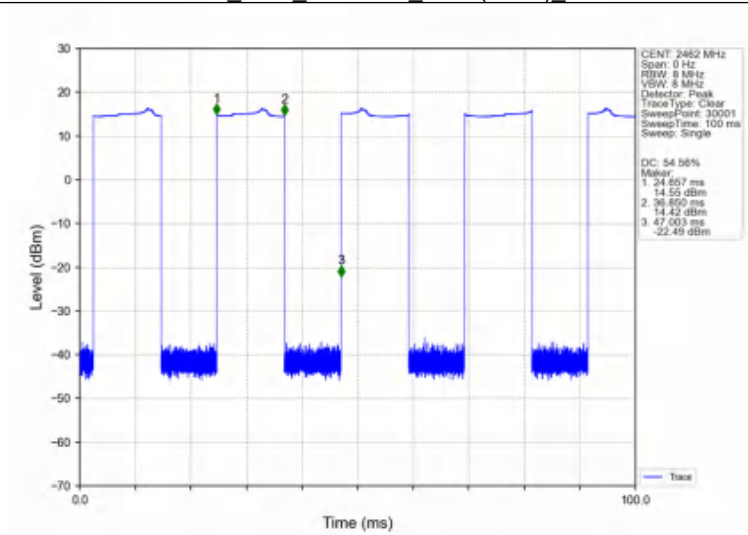
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



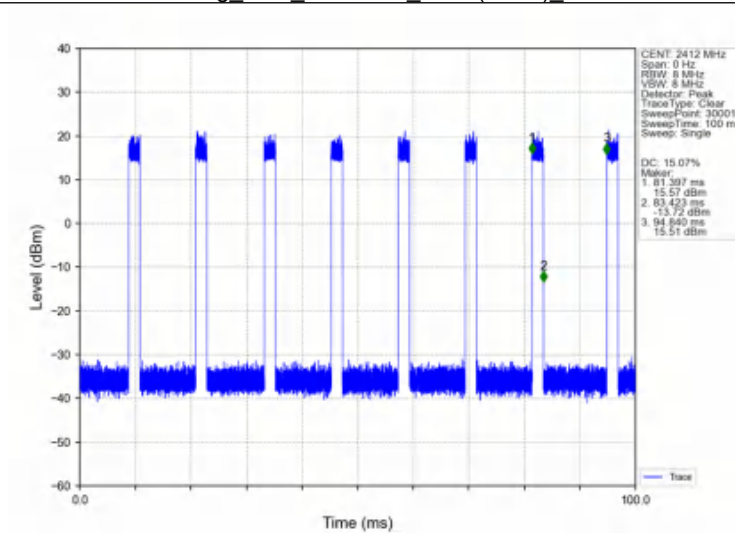
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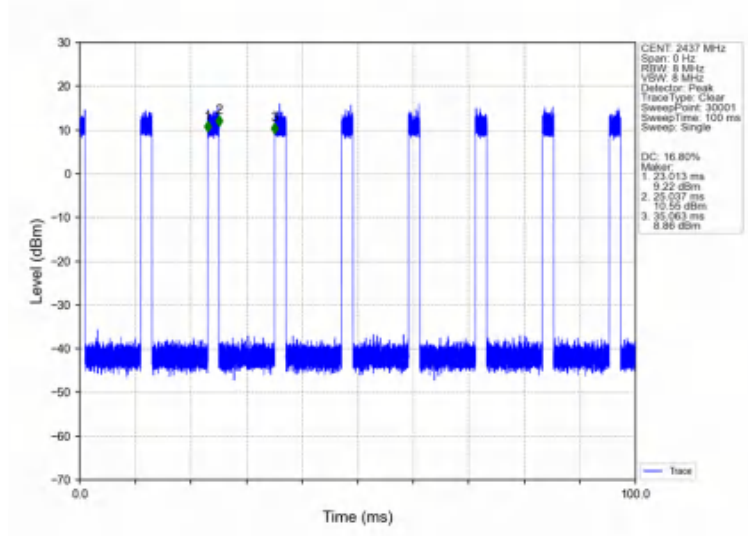
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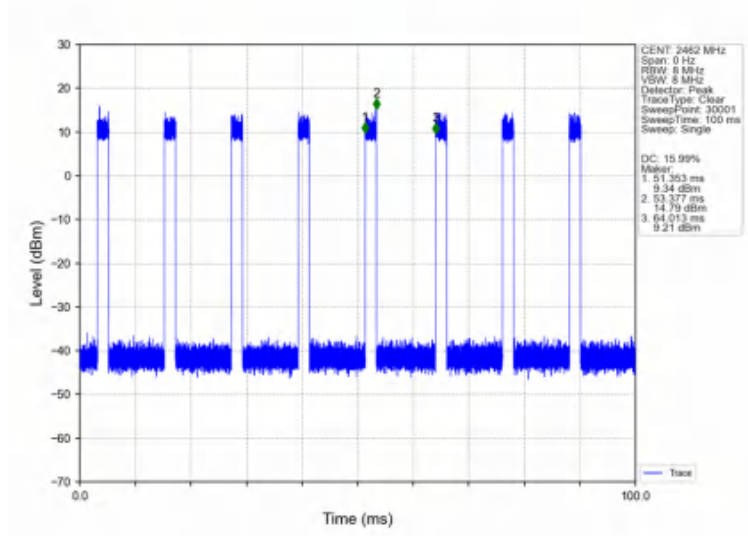
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



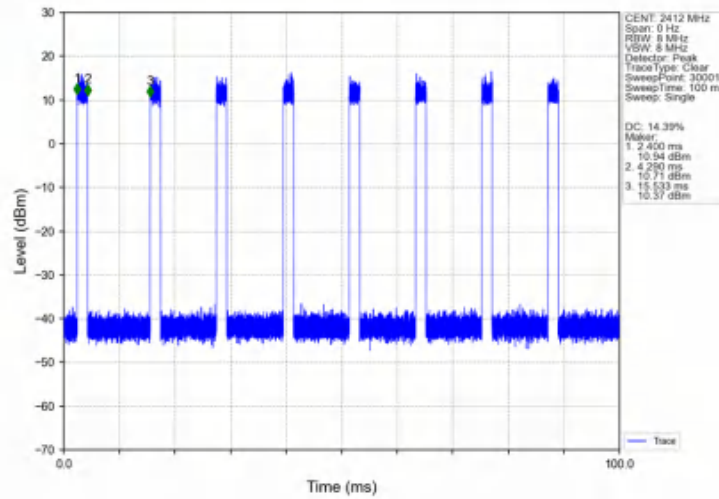
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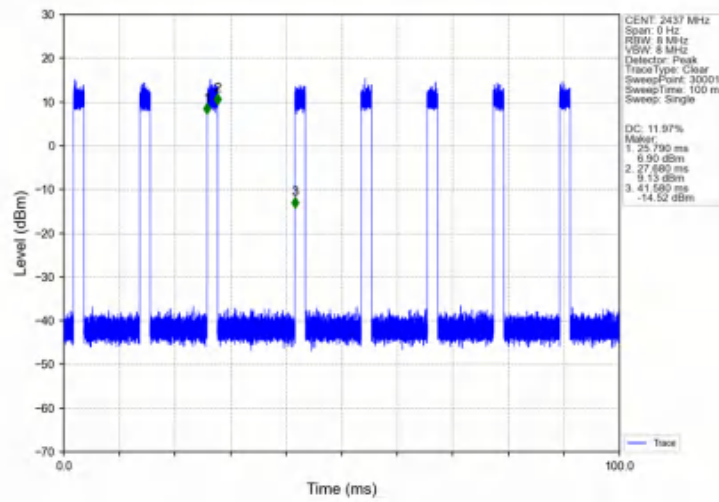
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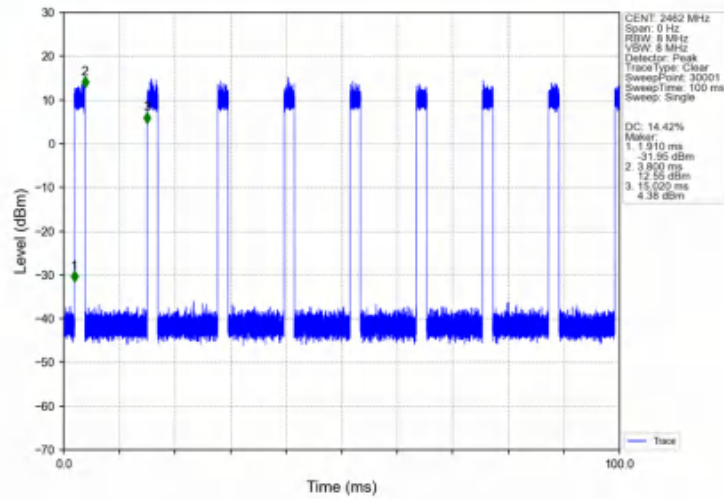
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



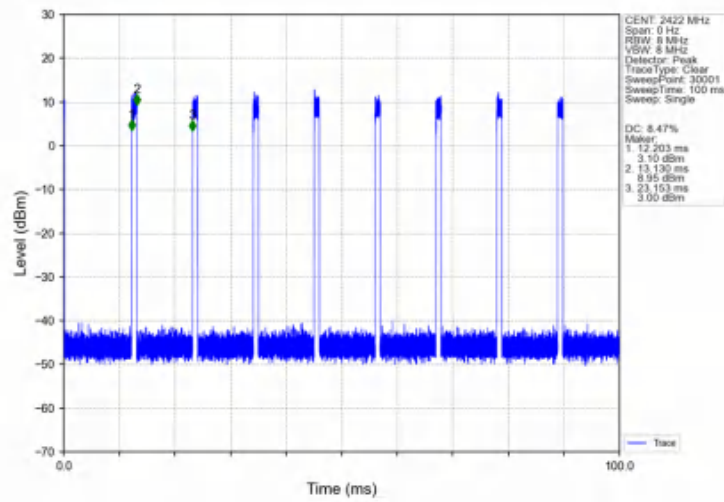
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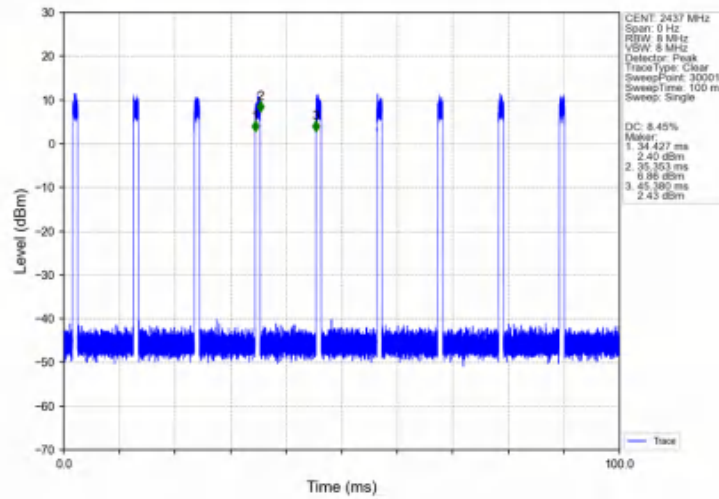
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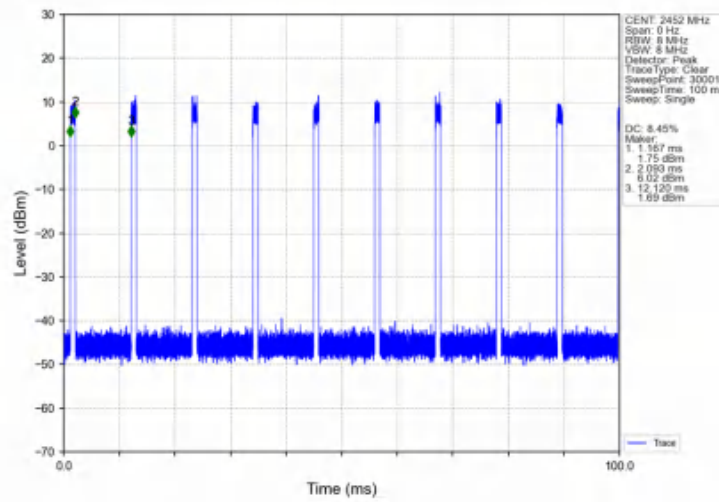
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



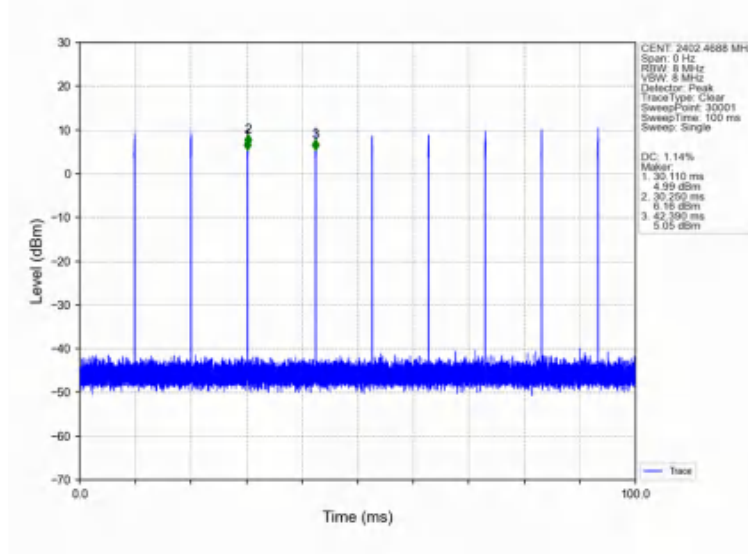
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



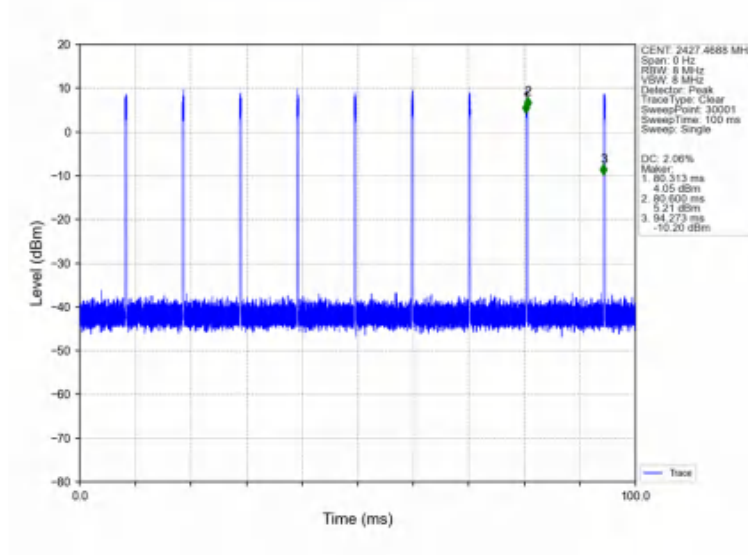
802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



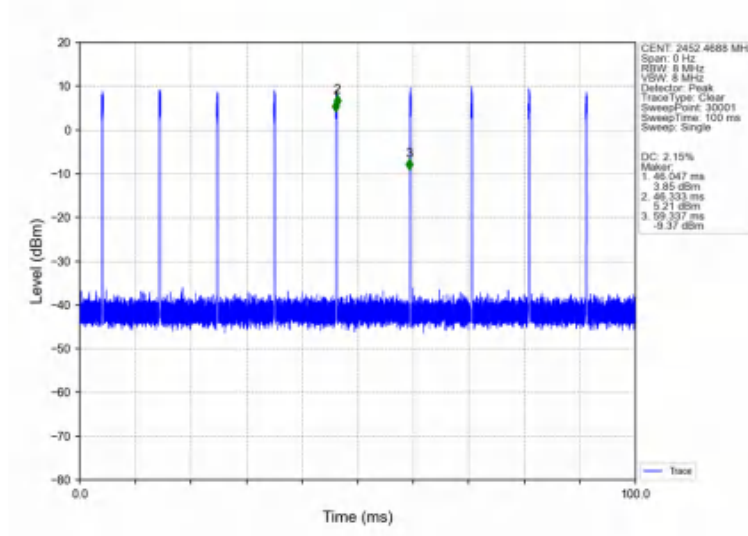
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant2 (MIMO)_NTNV



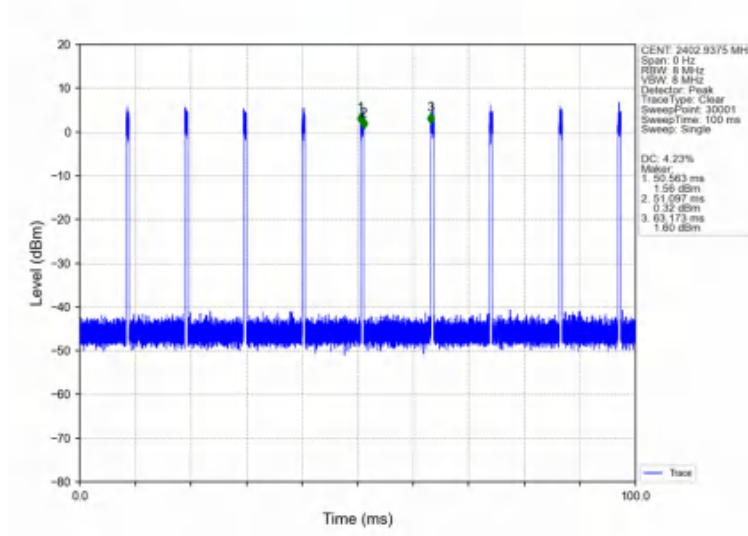
802.11ax(HEW20)_MCH_2437MHz_SU / _Ant2 (MIMO)_NTNV



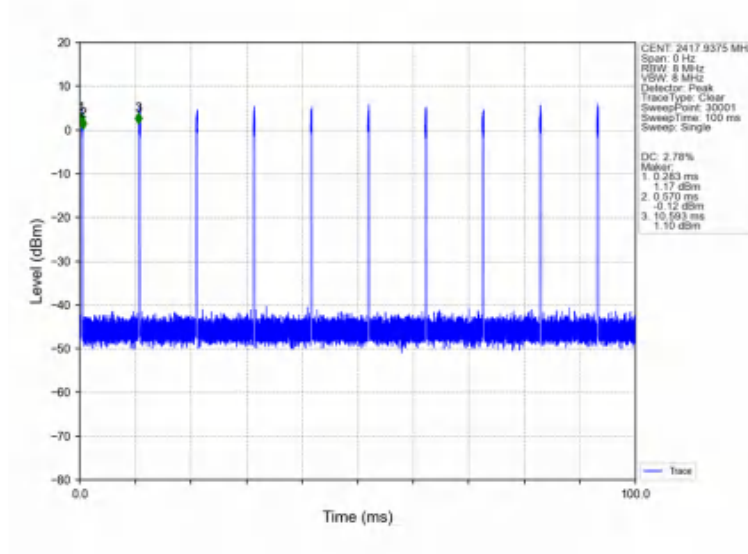
802.11ax(HEW20)_HCH_2462MHz_SU / _Ant2 (MIMO)_NTNV



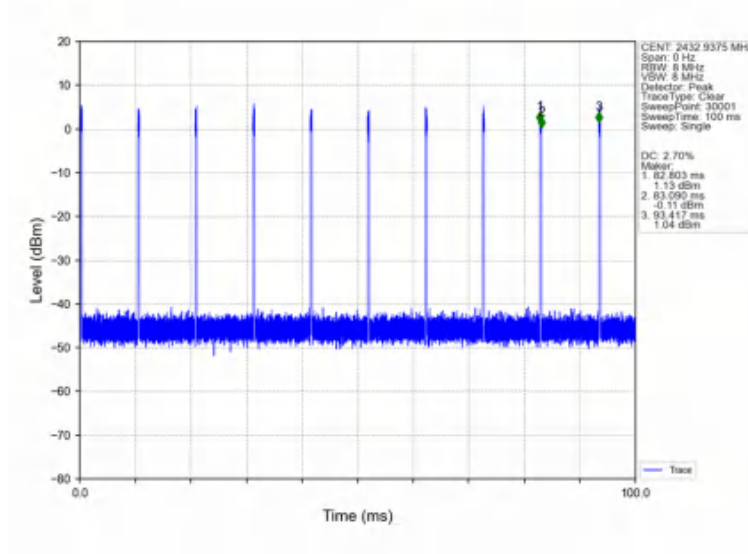
802.11ax(HEW40)_LCH_2422MHz_SU / _Ant2 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_SU / _Ant2 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU / _Ant2 (MIMO)_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	
802.11b	SISO	2412	/	/	1	12.328	/	Pass
		2437	/	/	1	12.527	/	Pass
		2462	/	/	1	12.511	/	Pass
802.11g	SISO	2412	/	/	1	16.438	/	Pass
		2437	/	/	1	16.423	/	Pass
		2462	/	/	1	16.368	/	Pass
802.11n (HT20)	MIMO	2412	/	/	1	17.552	/	Pass
		2437	/	/	1	17.571	/	Pass
		2462	/	/	1	17.568	/	Pass
802.11n (HT40)	MIMO	2422	/	/	1	36.258	/	Pass
		2437	/	/	1	36.128	/	Pass
		2452	/	/	1	36.312	/	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	1	19.043	/	Pass
		2437	SU	/	1	19.011	/	Pass
		2462	SU	/	1	19.041	/	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	1	37.675	/	Pass
		2437	SU	/	1	38.372	/	Pass
		2452	SU	/	1	38.186	/	Pass

Note: Both ANT1 and ANT2 have been tested, and the report only shows the worst ANT. ANT1 is the worst.

2.1.2 6dB BW

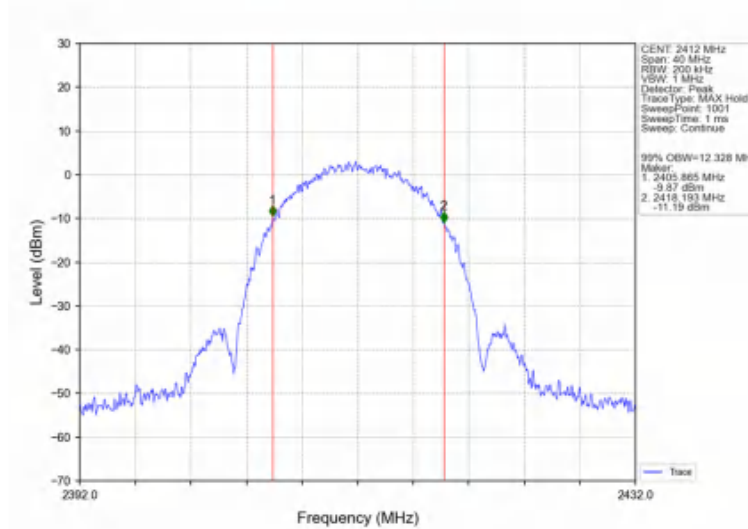
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	7.845	>=0.5	Pass
		2437	/	/	1	9.128	>=0.5	Pass
		2462	/	/	1	9.122	>=0.5	Pass
802.11g	SISO	2412	/	/	1	15.907	>=0.5	Pass
		2437	/	/	1	15.862	>=0.5	Pass
		2462	/	/	1	15.969	>=0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	1	17.371	>=0.5	Pass
		2437	/	/	1	17.372	>=0.5	Pass
		2462	/	/	1	17.279	>=0.5	Pass
802.11n (HT40)	MIMO	2422	/	/	1	35.452	>=0.5	Pass
		2437	/	/	1	35.551	>=0.5	Pass
		2452	/	/	1	35.312	>=0.5	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	1	19.173	>=0.5	Pass
		2437	SU	/	1	18.990	>=0.5	Pass
		2462	SU	/	1	19.030	>=0.5	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	1	37.060	>=0.5	Pass
		2437	SU	/	1	38.172	>=0.5	Pass
		2452	SU	/	1	37.873	>=0.5	Pass

Note: Both ANT1 and ANT2 have been tested, and the report only shows the worst ANT. ANT1 is the worst.

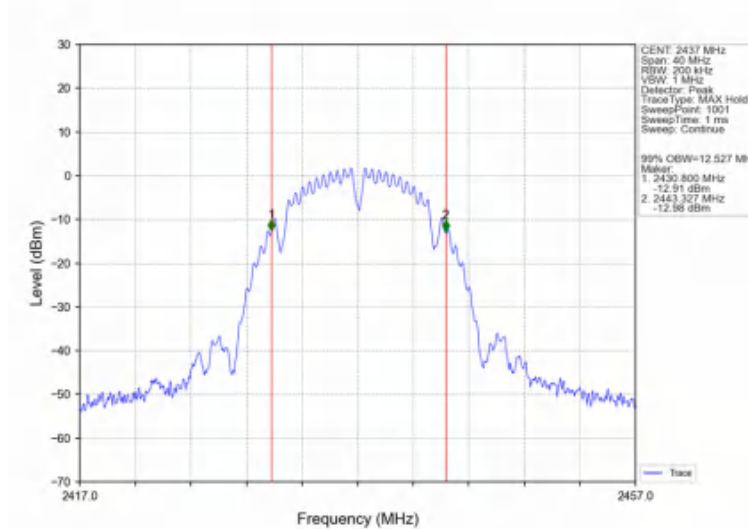
2.2 Test Graph

2.2.1 OBW

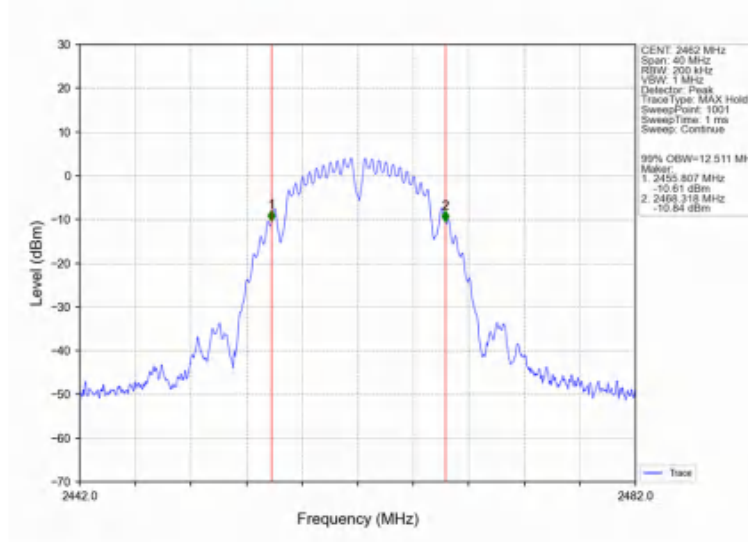
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



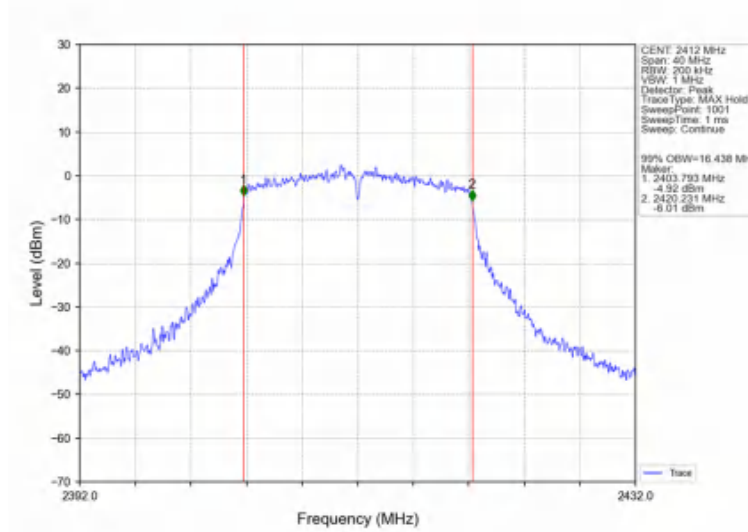
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



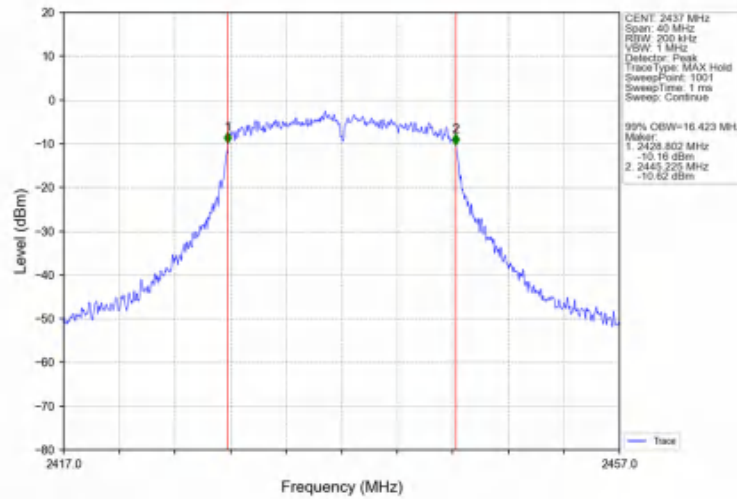
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



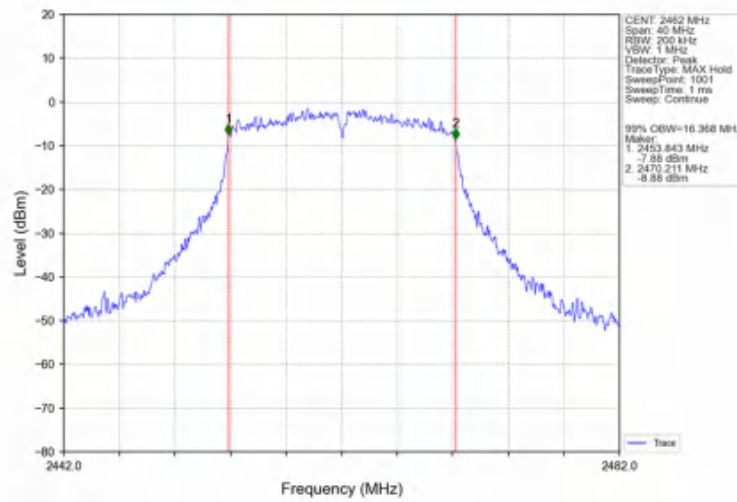
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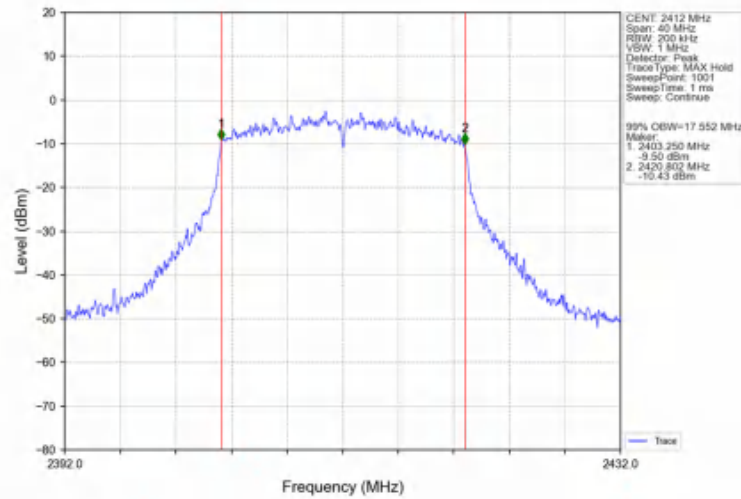
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



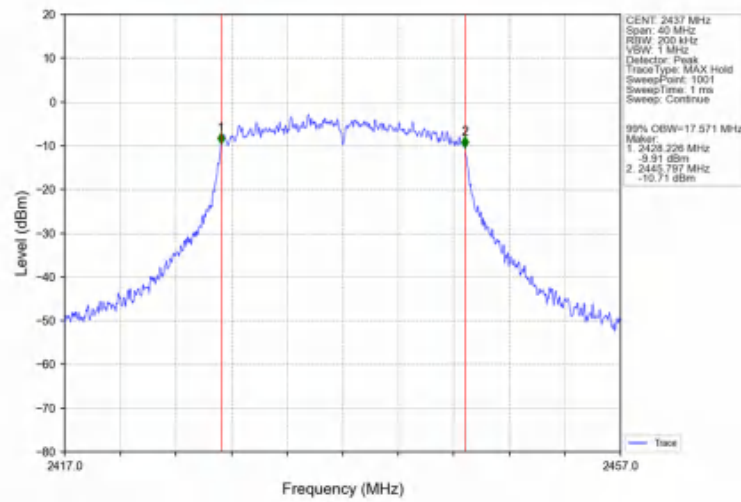
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



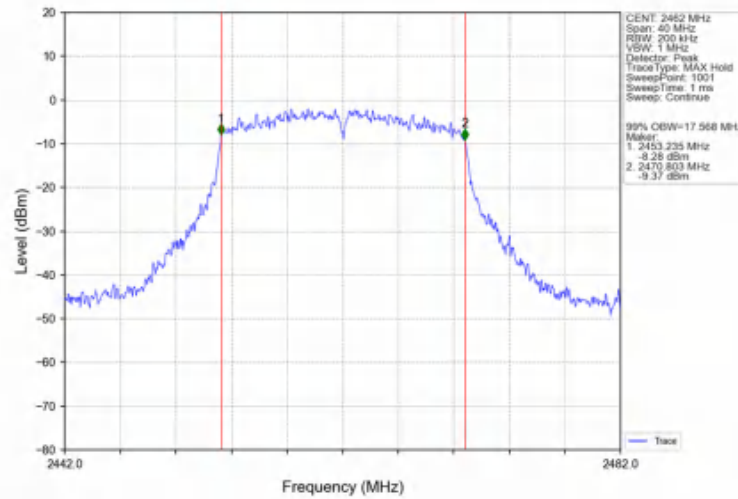
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



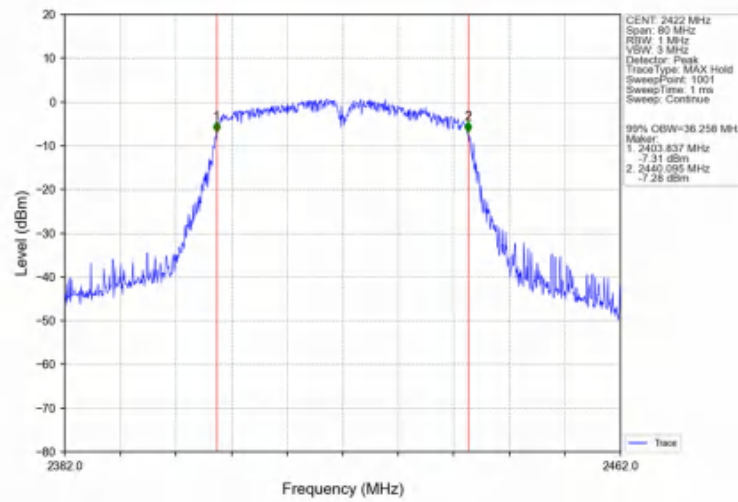
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



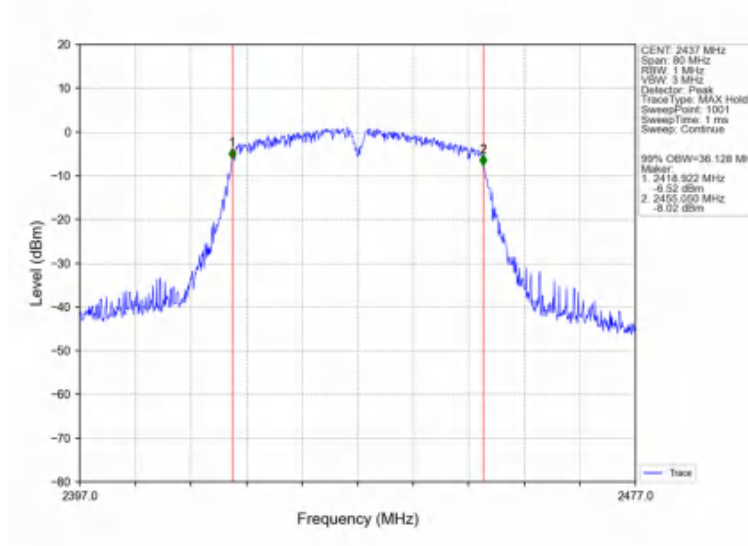
802.11n(HT20) HCH_2462MHz_Ant1 (MIMO)_NTNV



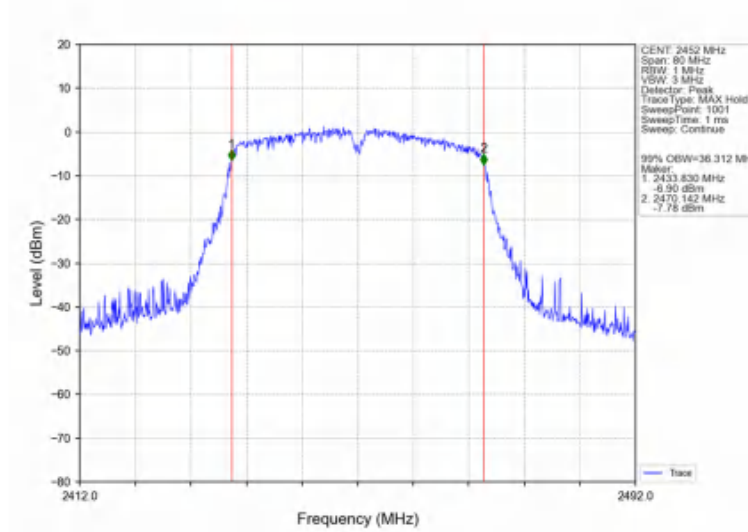
802.11n(HT40) LCH_2422MHz_Ant1 (MIMO)_NTNV



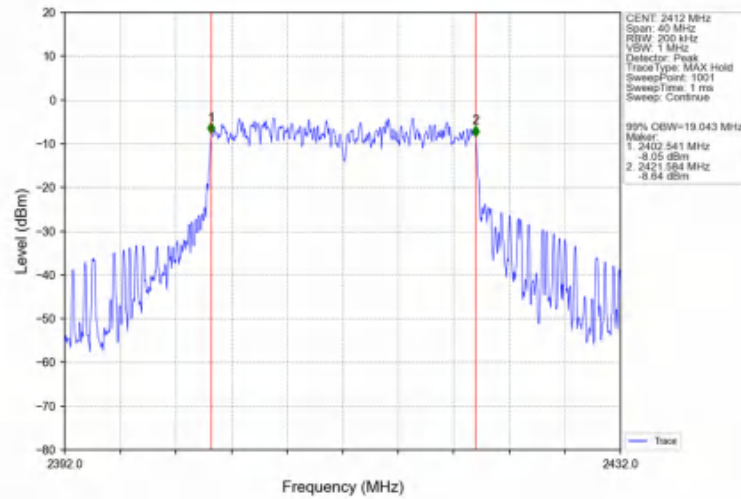
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



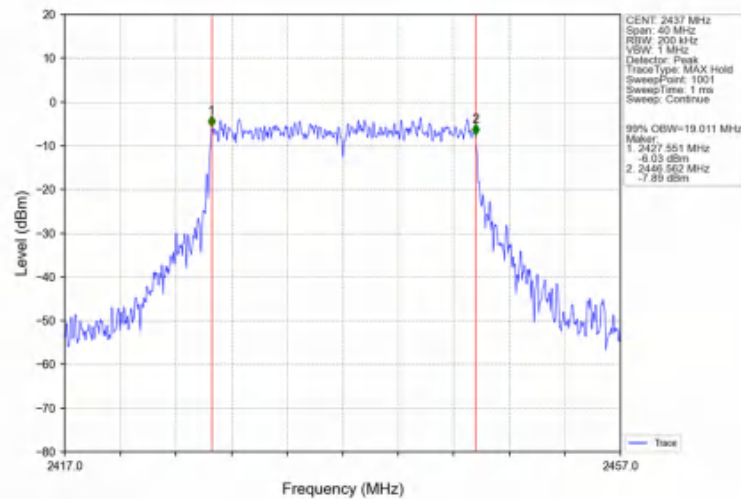
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



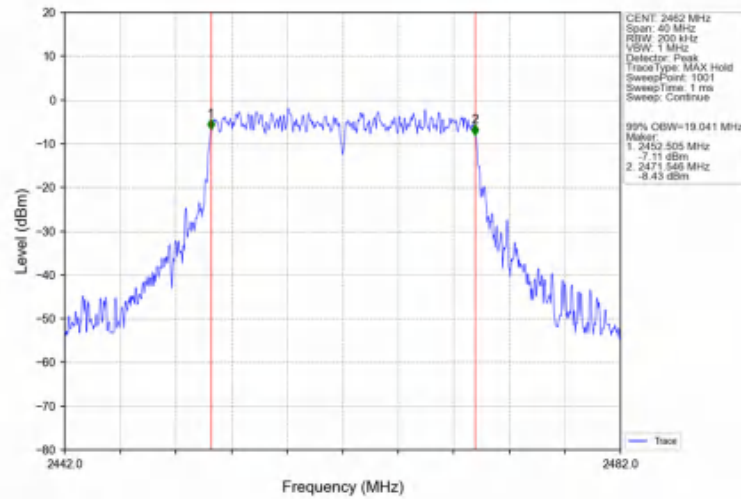
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant1 (MIMO)_NTNV



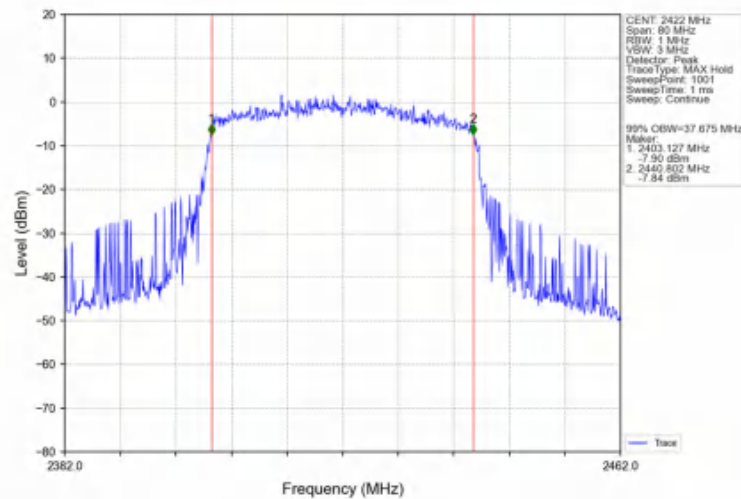
802.11ax(HEW20)_MCH_2437MHz_SU / _Ant1 (MIMO)_NTNV



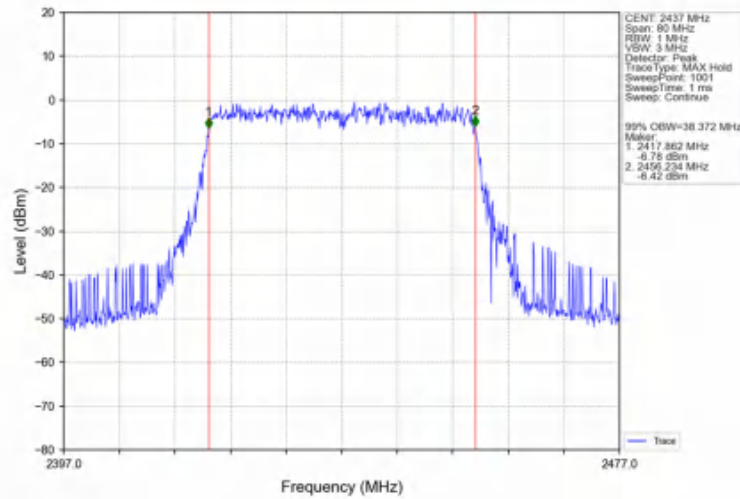
802.11ax(HEW20)_HCH_2462MHz_SU / _Ant1 (MIMO)_NTNV



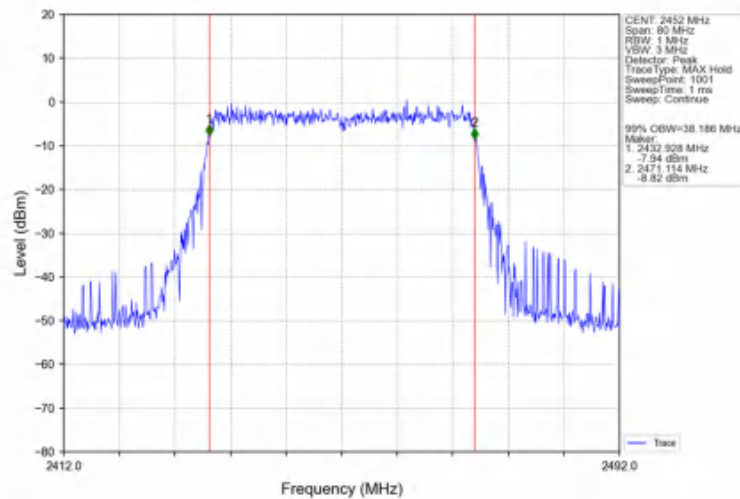
802.11ax(HEW40)_LCH_2422MHz_SU / _Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_SU / _Ant1 (MIMO)_NTNV

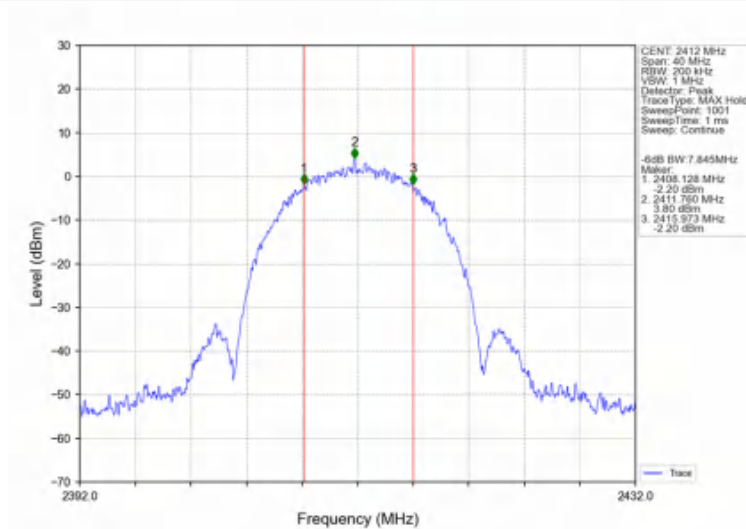


802.11ax(HEW40)_HCH_2452MHz_SU / _Ant1 (MIMO)_NTNV

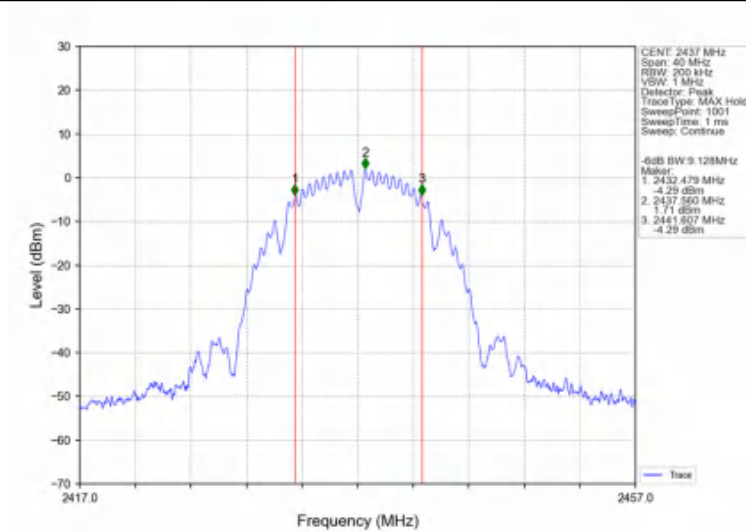


2.2.2 6dB BW

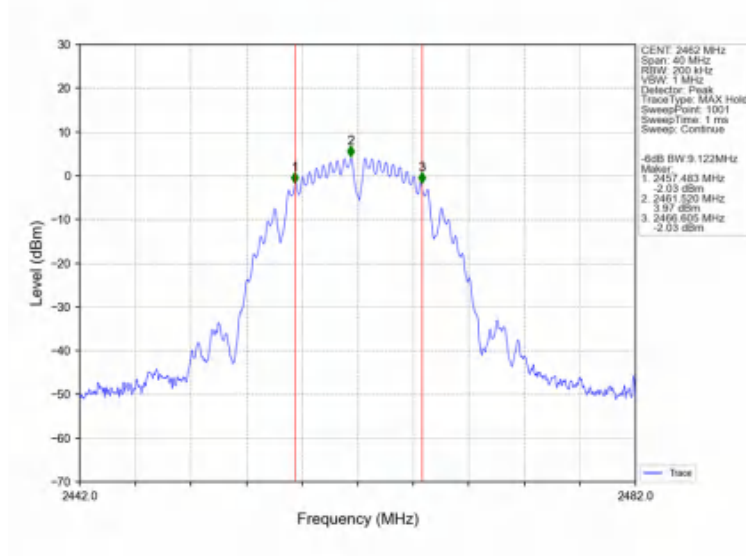
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



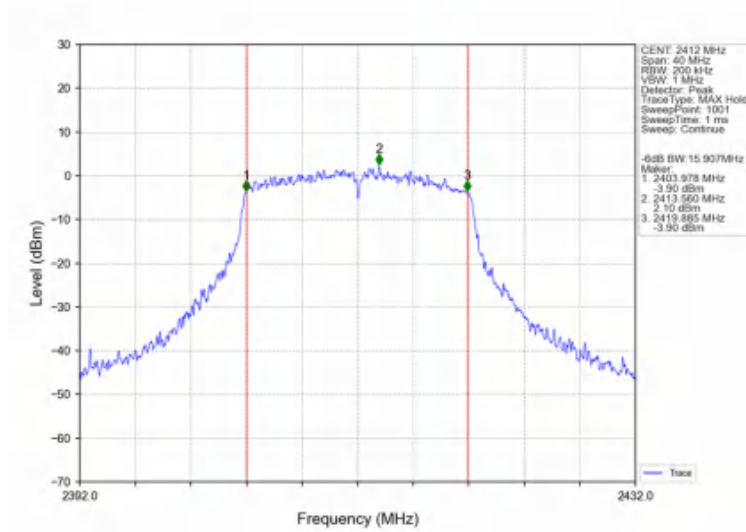
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



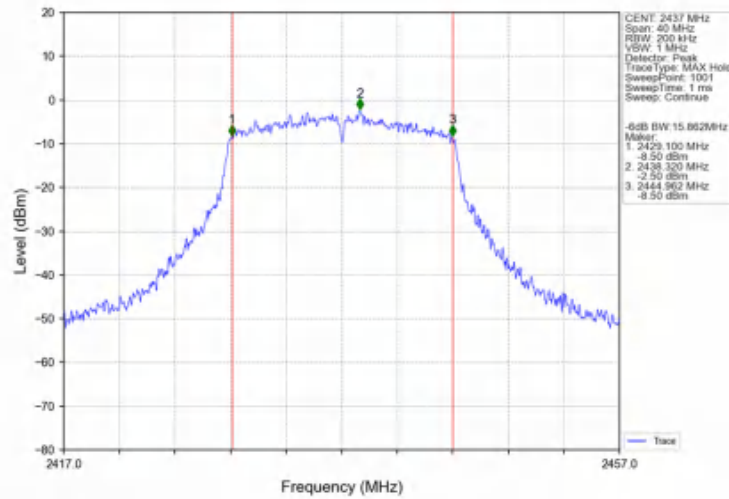
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



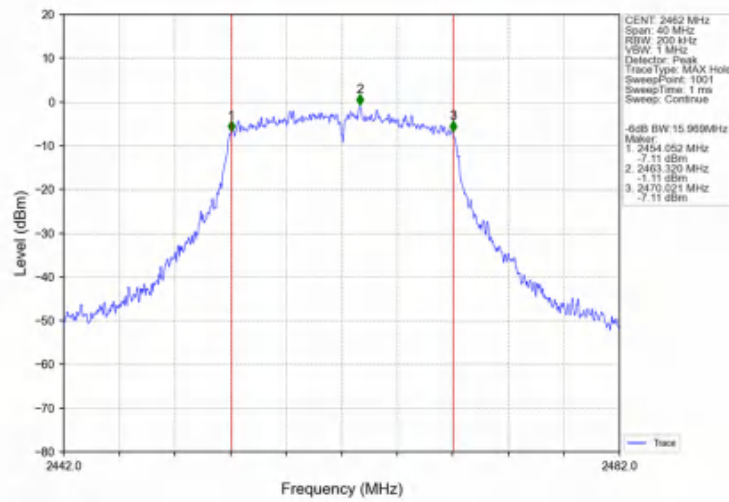
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



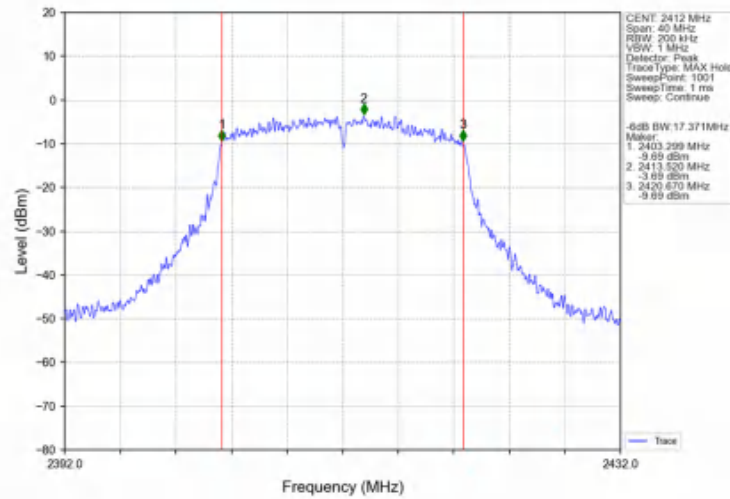
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



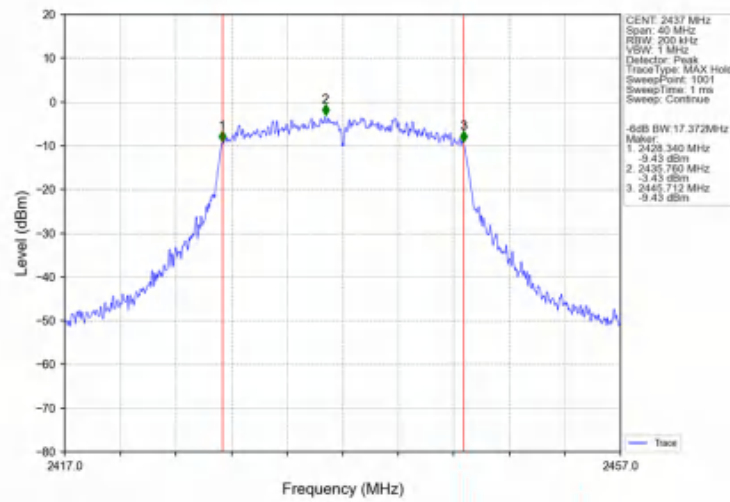
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



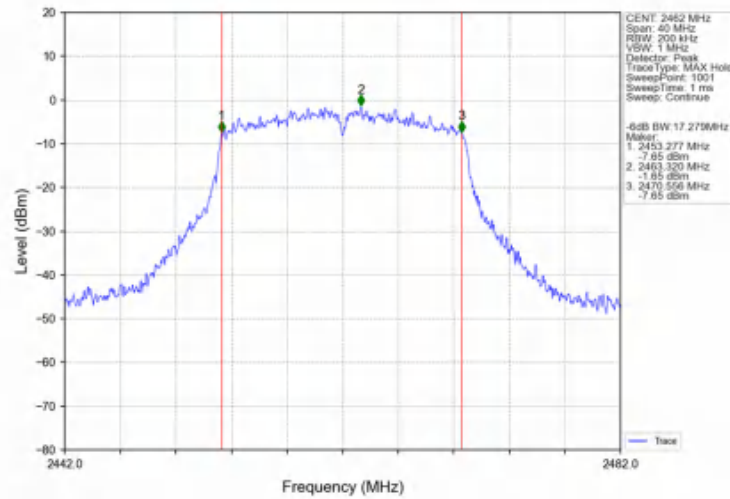
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



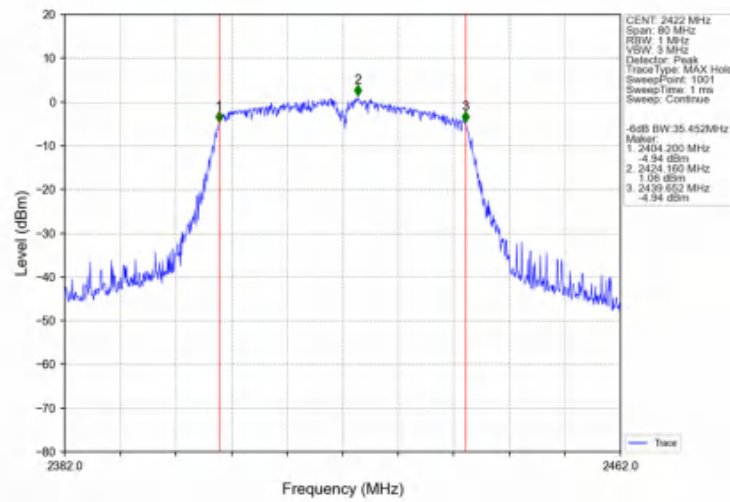
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



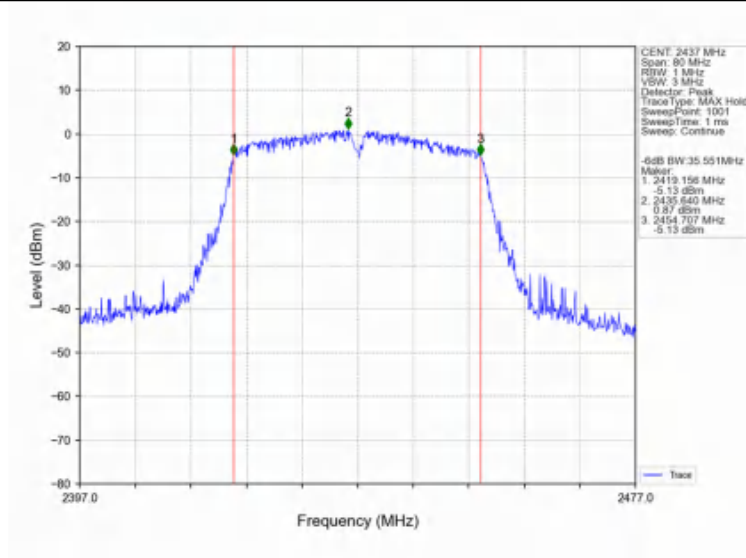
802.11n(HT20) HCH_2462MHz_Ant1 (MIMO) _NTNV



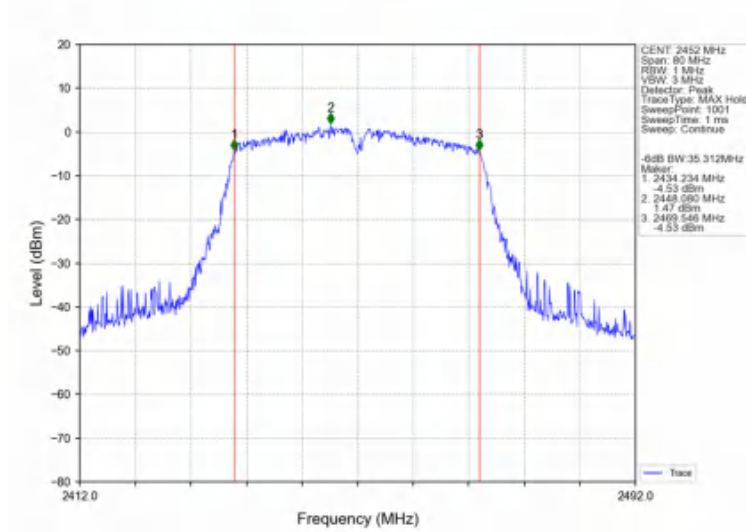
802.11n(HT40) LCH_2422MHz_Ant1 (MIMO) _NTNV



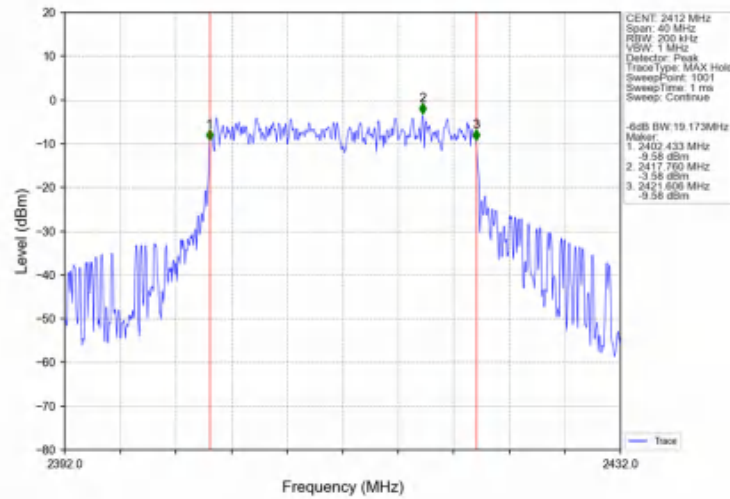
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



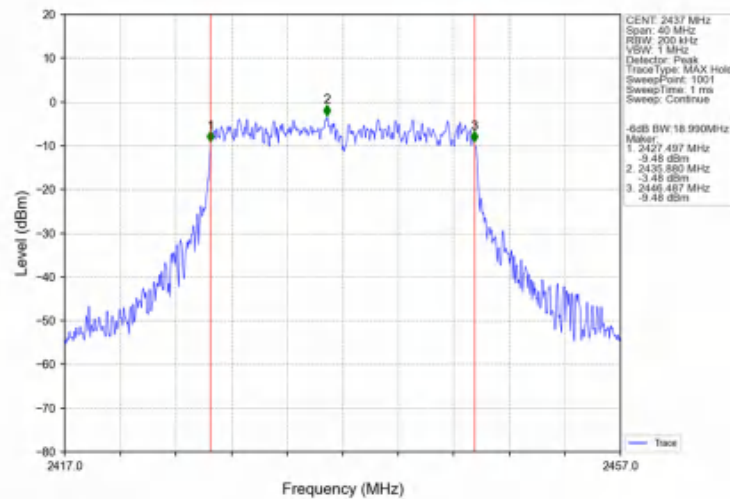
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



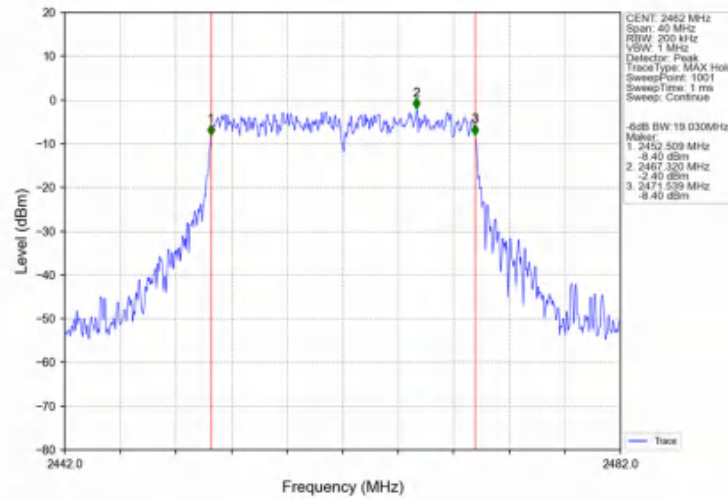
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant1 (MIMO)_NTNV



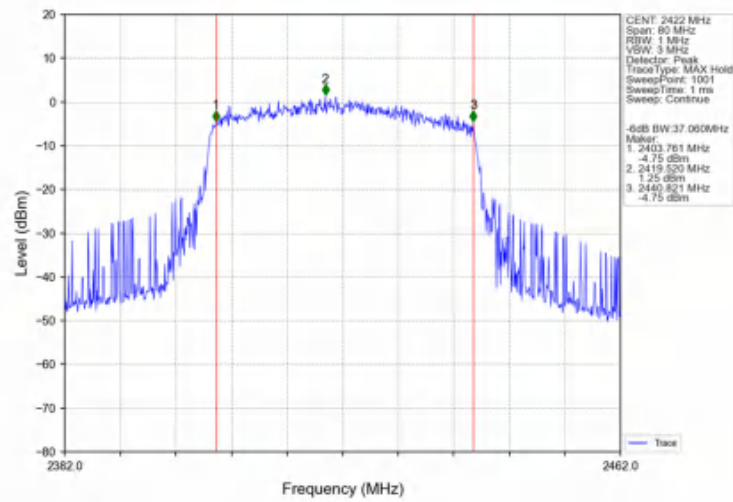
802.11ax(HEW20)_MCH_2437MHz_SU / _Ant1 (MIMO)_NTNV



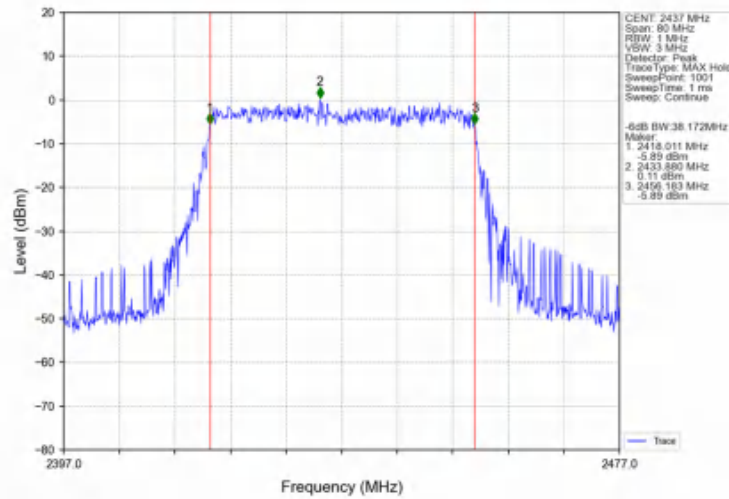
802.11ax(HEW20)_HCH_2462MHz_SU / _Ant1 (MIMO)_NTNV



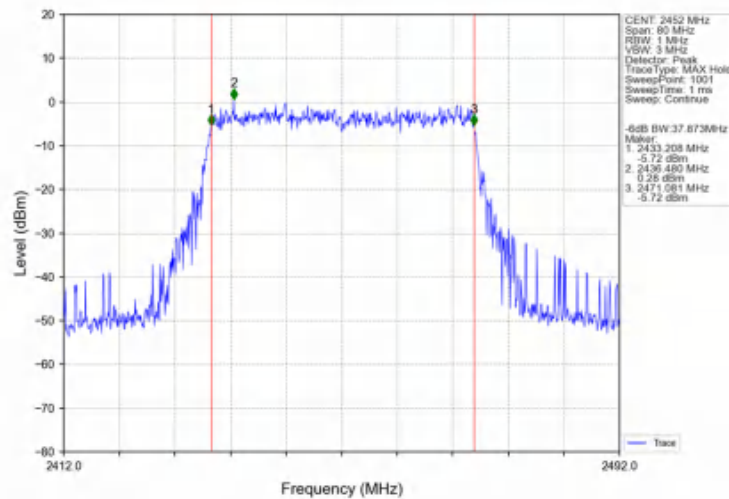
802.11ax(HEW40)_LCH_2422MHz_SU / _Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_SU / _Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU / _Ant1 (MIMO)_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Peak Conducted Output Power (dBm)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	/	/	14.60	15.00	/	<=30	Pass
		2437	/	/	15.06	15.23	/	<=30	Pass
		2462	/	/	14.46	13.62	/	<=30	Pass
802.11g	SISO	2412	/	/	14.01	15.70	/	<=30	Pass
		2437	/	/	14.08	14.86	/	<=30	Pass
		2462	/	/	15.45	14.49	/	<=30	Pass
802.11n (HT20)	MIMO	2412	/	/	13.89	15.47	17.76	<=28.56	Pass
		2437	/	/	13.93	14.59	17.28	<=28.56	Pass
		2462	/	/	15.46	14.12	17.85	<=28.56	Pass
802.11n (HT40)	MIMO	2422	/	/	13.53	14.97	17.32	<=28.56	Pass
		2437	/	/	13.49	14.23	16.89	<=28.56	Pass
		2452	/	/	13.65	13.85	16.76	<=28.56	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	12.30	13.72	16.08	<=28.56	Pass
		2437	SU	/	13.08	13.41	16.26	<=28.56	Pass
		2462	SU	/	14.48	13.05	16.83	<=28.56	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	12.89	14.55	16.81	<=28.56	Pass
		2437	SU	/	12.14	12.40	15.28	<=28.56	Pass
		2452	SU	/	12.10	12.10	15.11	<=28.56	Pass

Note1: Antenna Gain: Ant1: 4.63dBi; Ant2: 4.23dBi; Directional Gain: 7.44dBi
Note2: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})^2 / NANT]$, where G is the antenna gain in dBi, NANT it's the number of antennas.
Note3: Average Power Limit (dBm) = 30 dBm - (7.44 dBi - 6 dBi) = 28.56dBm.

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

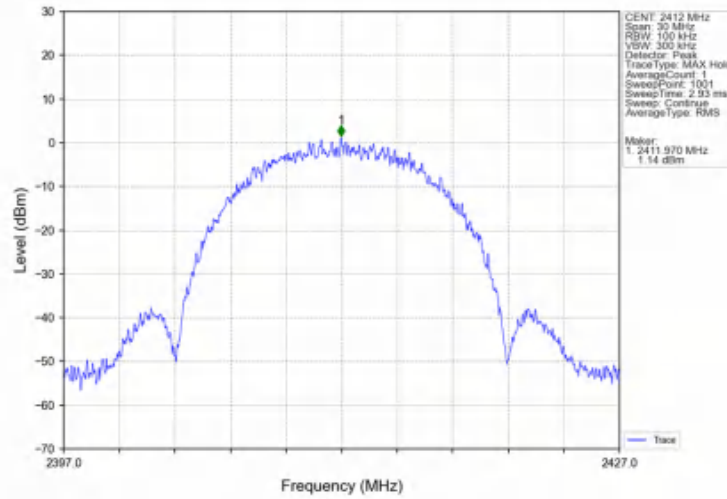
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	/	/	1.14	0.95	/	<=8	Pass
		2437	/	/	1.32	2.03	/	<=8	Pass
		2462	/	/	3.56	3.05	/	<=8	Pass
802.11g	SISO	2412	/	/	0.05	1.50	/	<=8	Pass
		2437	/	/	-4.07	-2.77	/	<=8	Pass
		2462	/	/	-3.16	-4.28	/	<=8	Pass
802.11n (HT20)	MIMO	2412	/	/	-3.65	-2.09	-0.27	<=6.56	Pass
		2437	/	/	-4.51	-3.43	-1.68	<=6.56	Pass
		2462	/	/	-2.06	-4.23	-0.81	<=6.56	Pass
802.11n (HT40)	MIMO	2422	/	/	-7.14	-5.86	-4.51	<=6.56	Pass
		2437	/	/	-8.57	-6.42	-5.21	<=6.56	Pass
		2452	/	/	-6.93	-6.83	-4.56	<=6.56	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	-5.35	-4.17	-2.71	<=6.56	Pass
		2437	SU	/	-5.02	-5.62	-2.97	<=6.56	Pass
		2462	SU	/	-3.65	-5.43	-1.69	<=6.56	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	-7.63	-6.45	-5.62	<=6.56	Pass
		2437	SU	/	-9.21	-9.09	-6.83	<=6.56	Pass
		2452	SU	/	-9.12	-9.21	-6.37	<=6.56	Pass

Note1: Antenna Gain: Ant1: 4.63dBi; Ant2: 4.23dBi; Directional Gain: 7.44dBi
Note2: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})^2 / NANT]$, where G is the antenna gain in dBi, NANT it's the number of antennas.
Note3: Average Power Limit (dBm) = 8 dBm - (7.44 dBi - 6 dBi) = 6.56dBm.

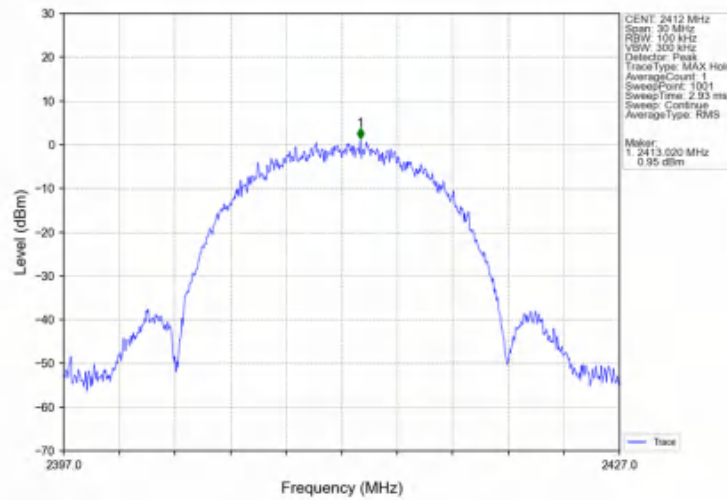
4.2 Test Graph

4.2.1 PSD

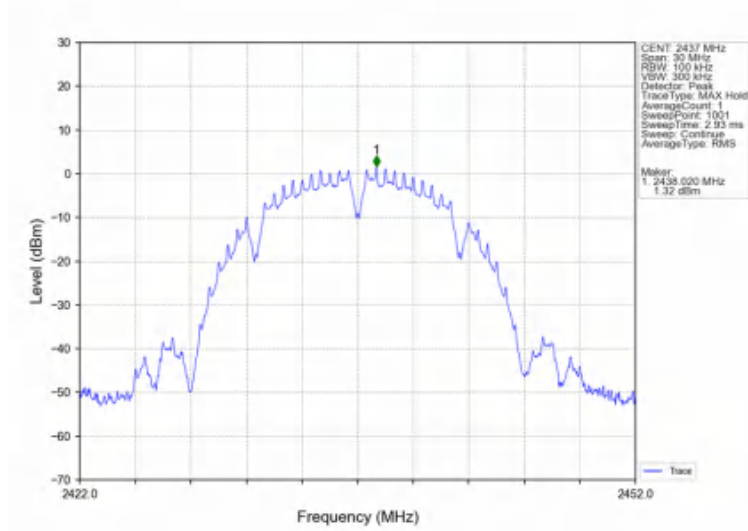
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



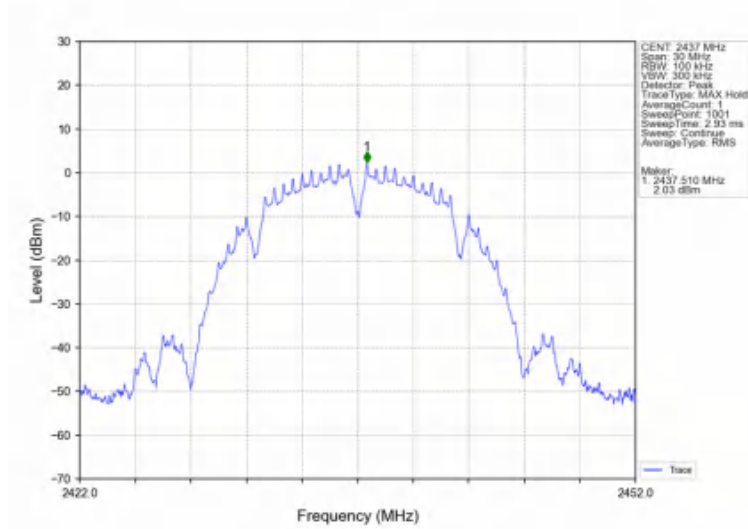
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



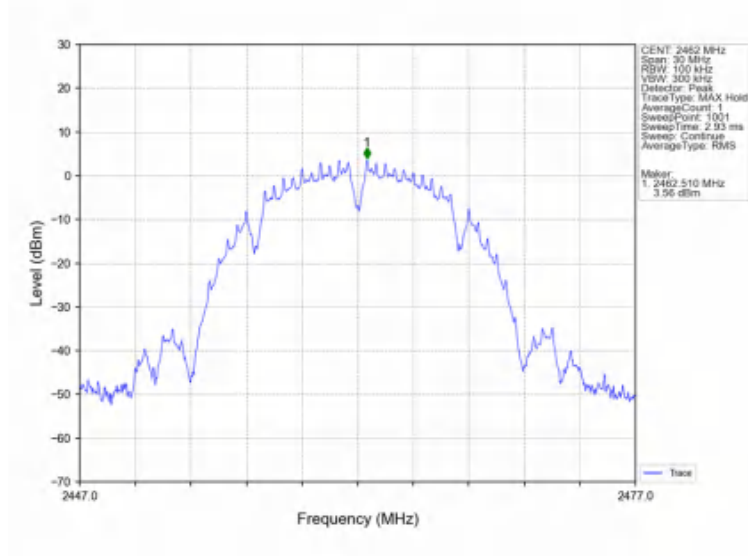
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



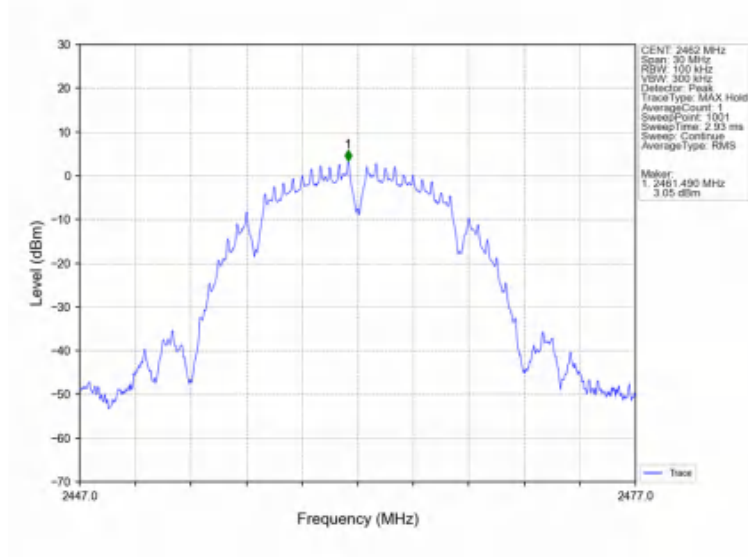
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



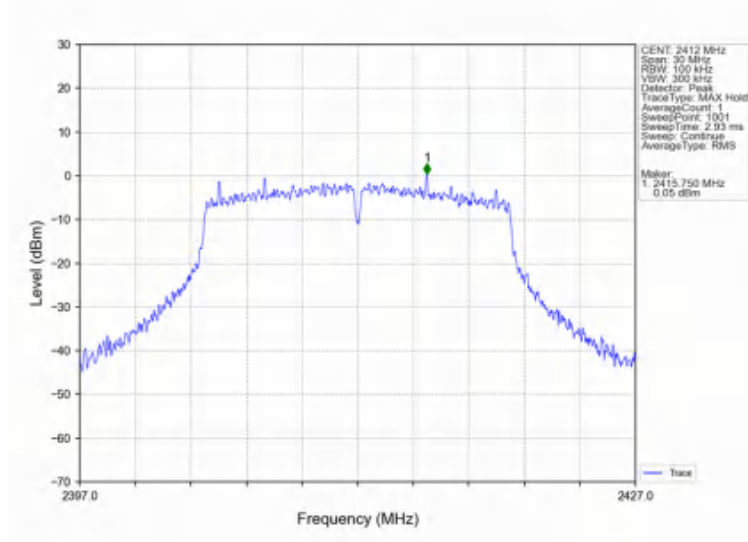
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



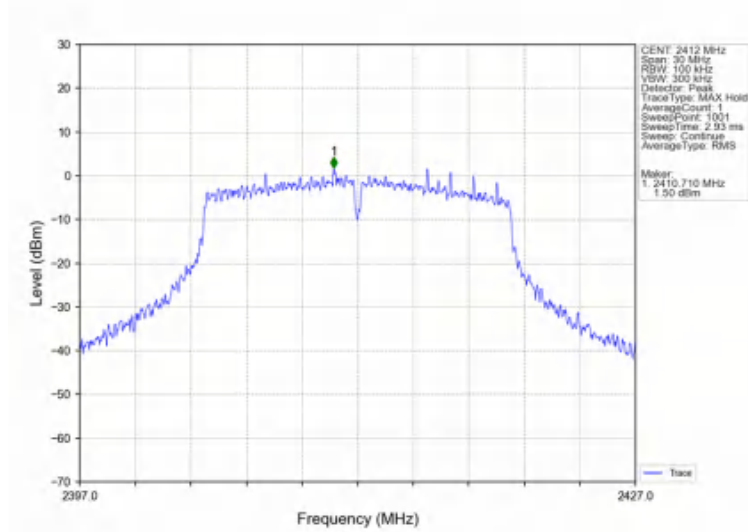
802.11b_HCH_2462MHz_Ant2 SISO)_NTNV



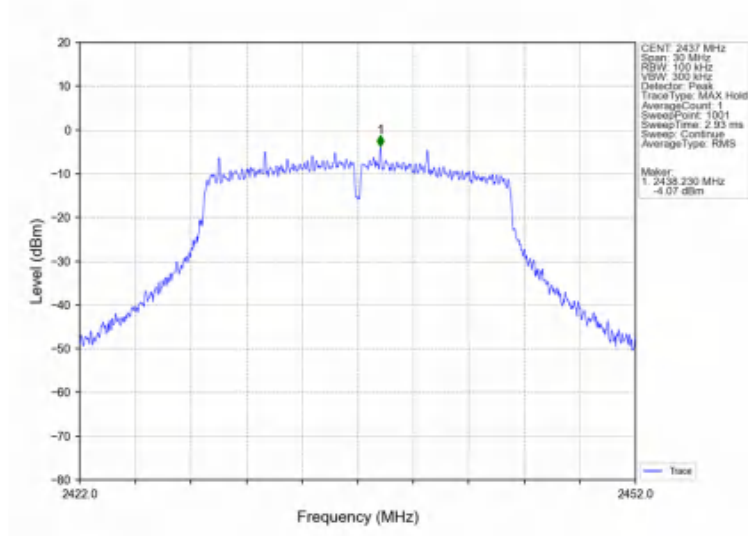
802.11g_LCH_2412MHz_Ant1 (MIMO)_NTNV



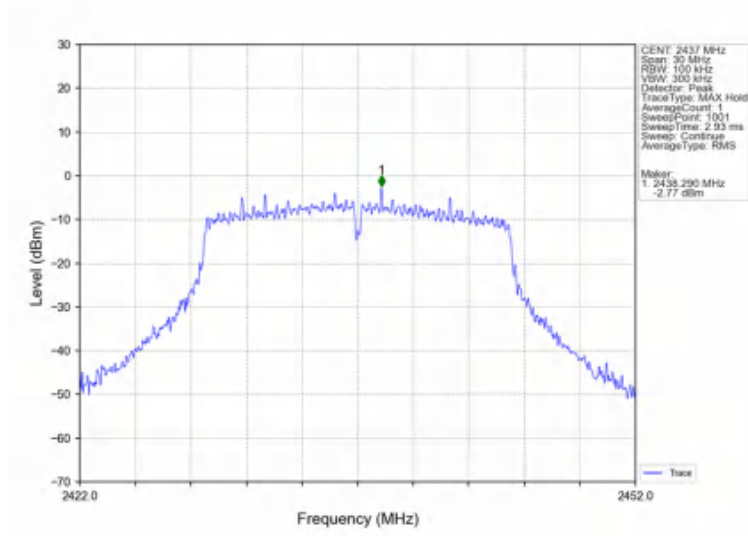
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



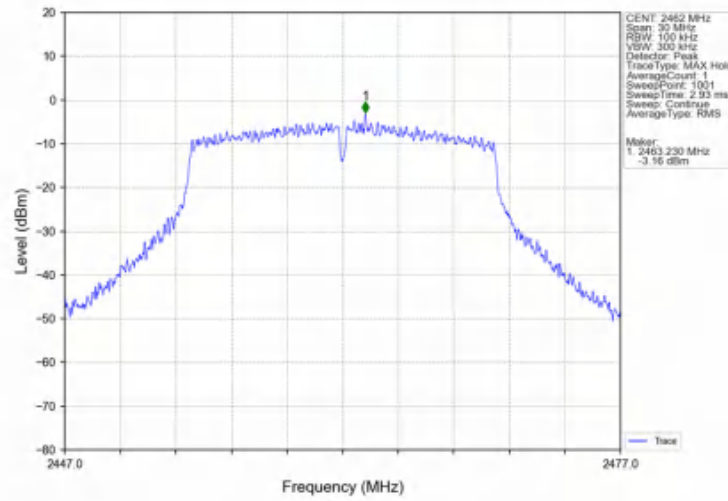
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



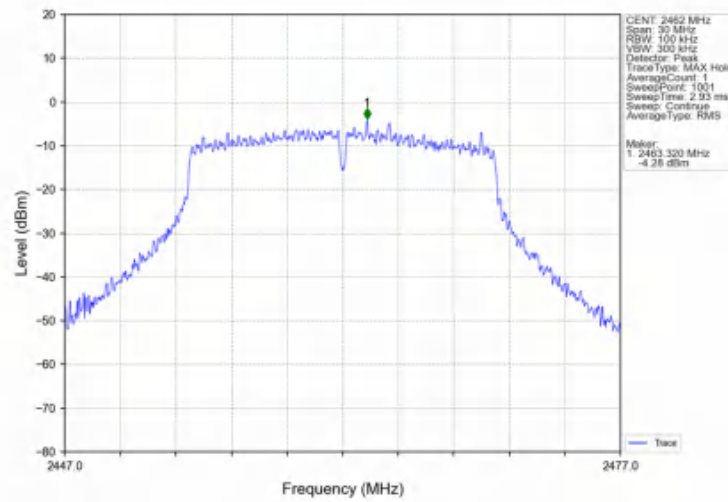
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



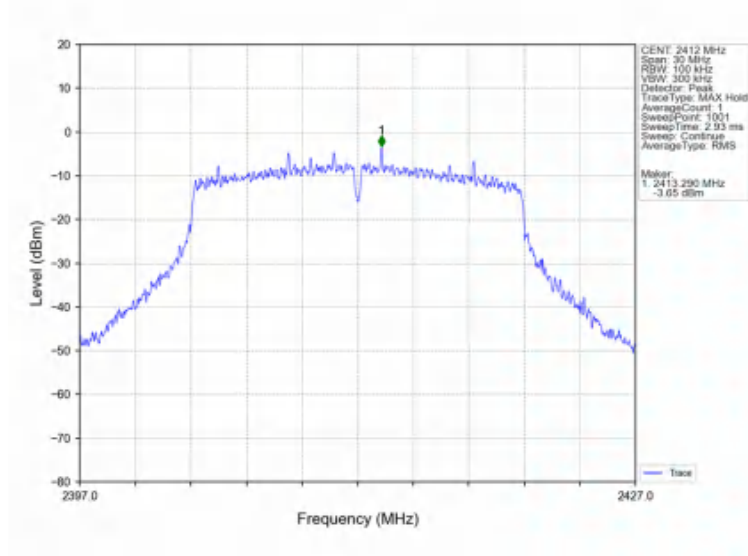
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



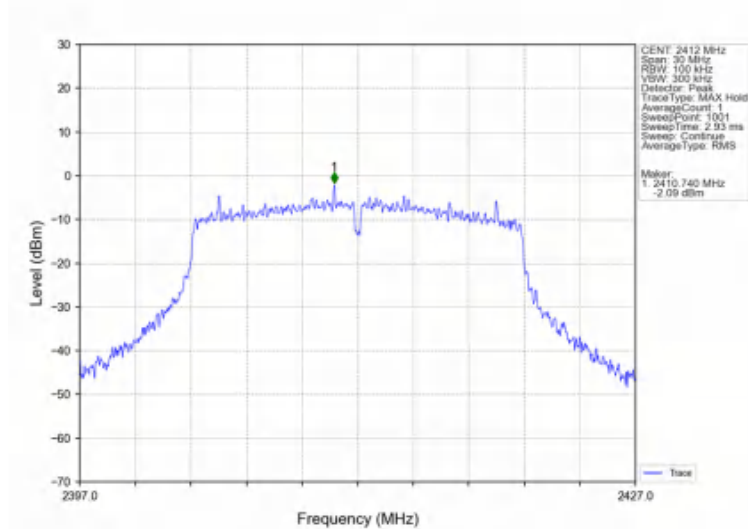
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



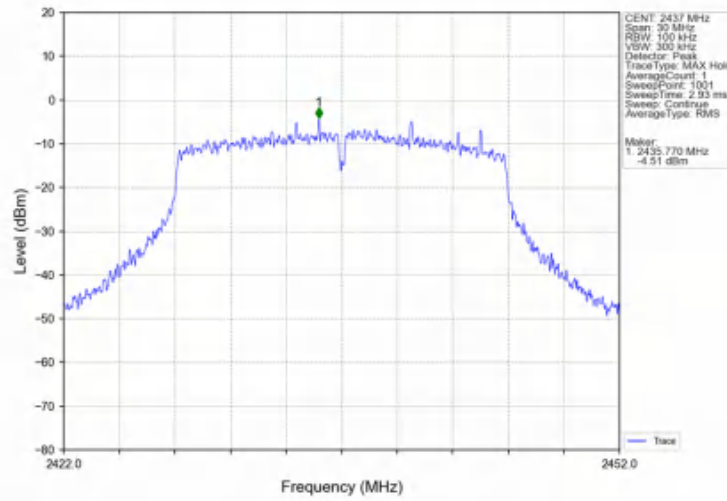
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



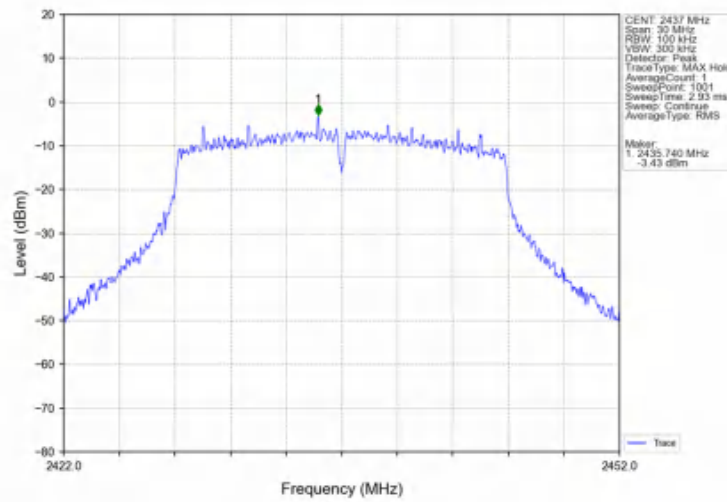
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



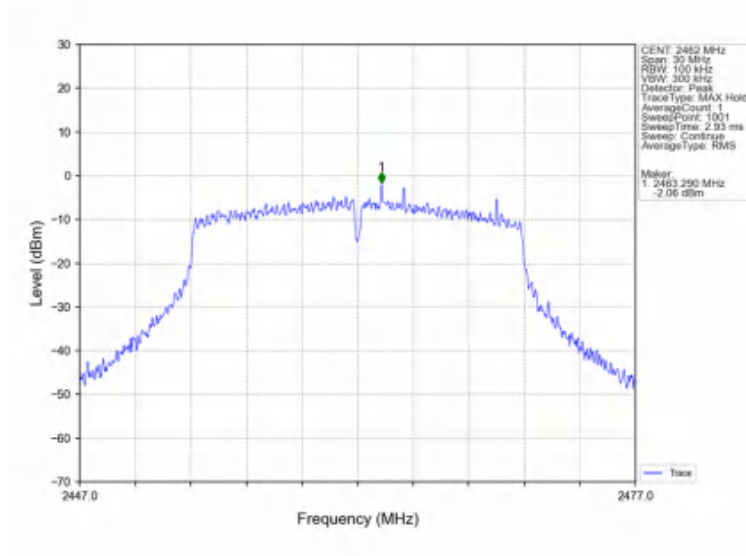
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



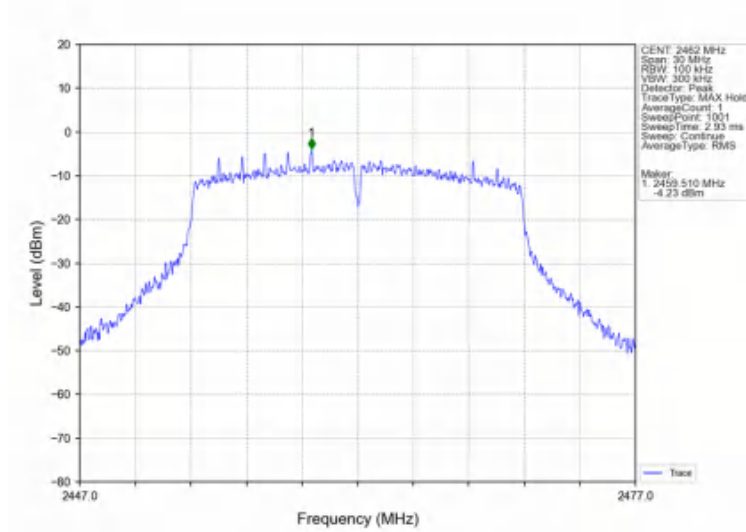
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



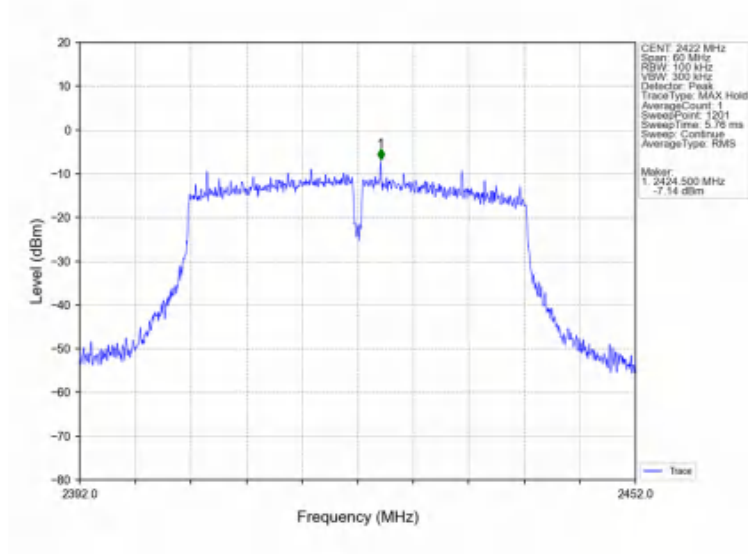
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



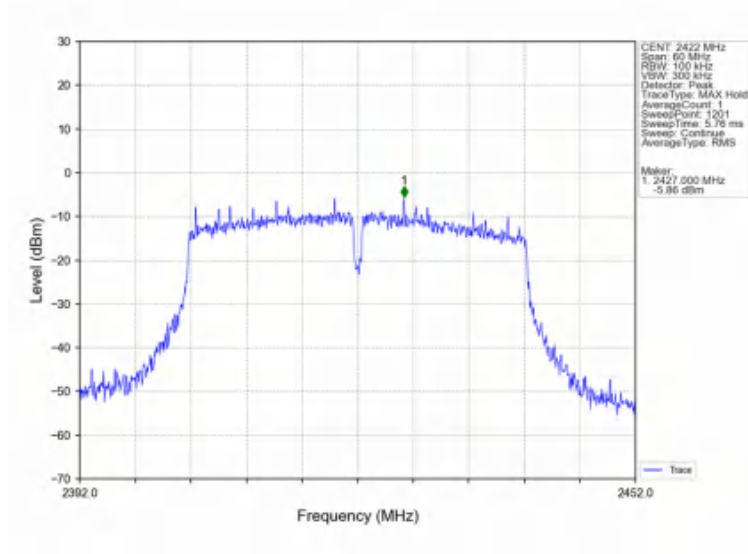
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



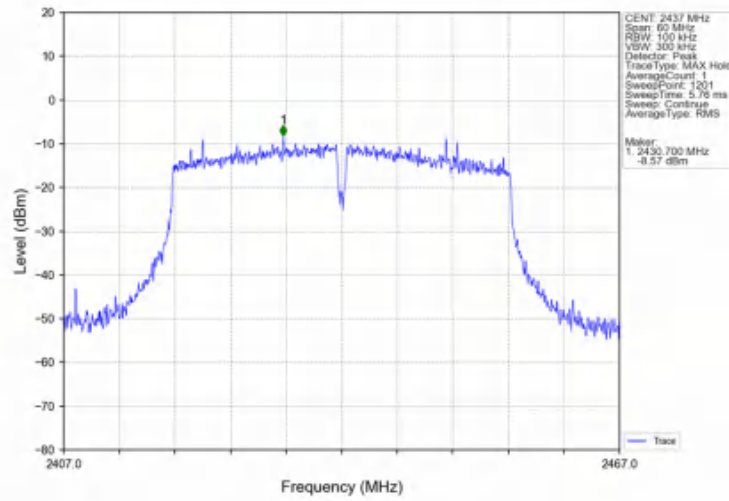
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



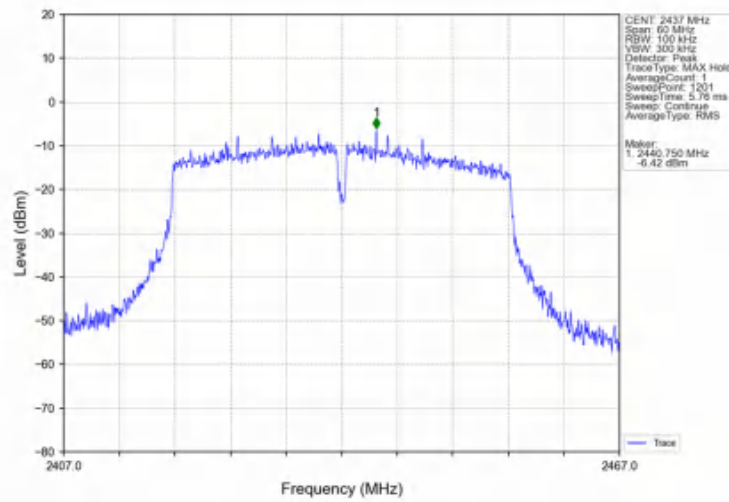
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



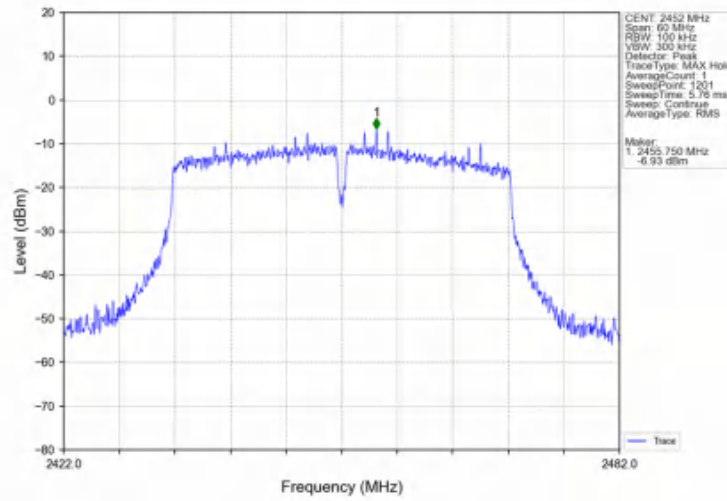
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



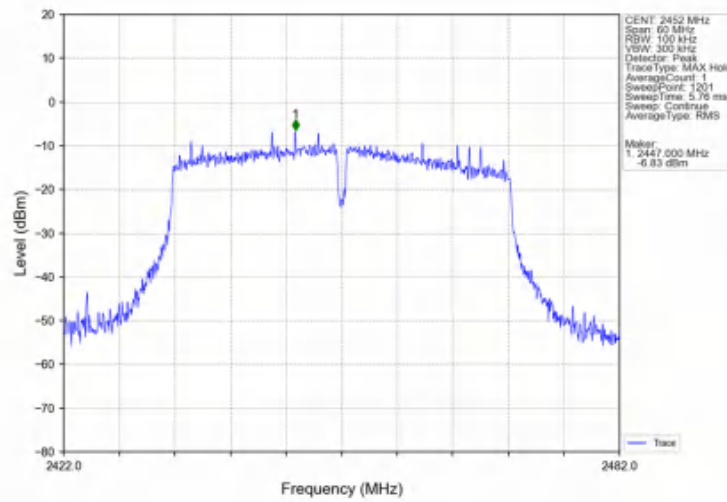
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



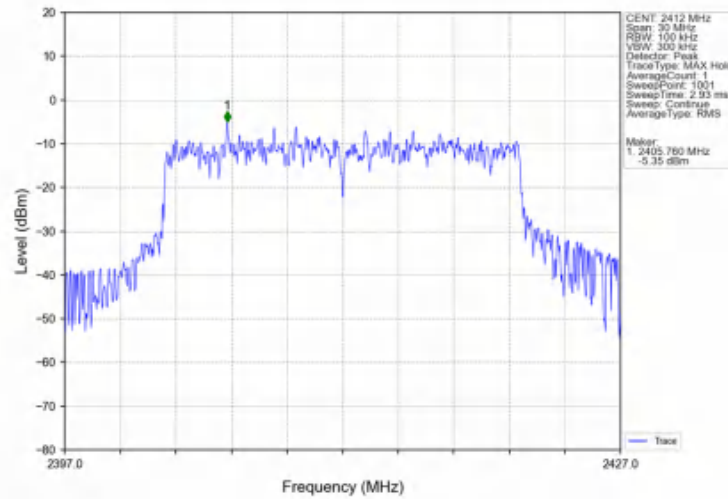
802.11n(HT40) HCH_2452MHz_Ant1 (MIMO)_NTNV



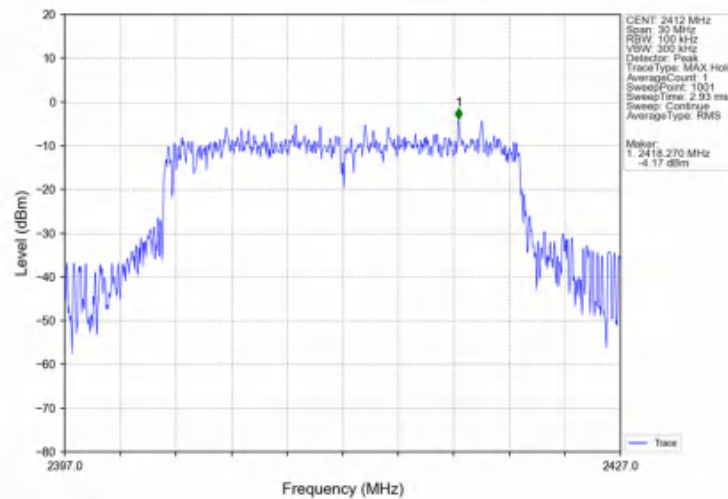
802.11n(HT40) HCH_2452MHz_Ant2 (MIMO)_NTNV



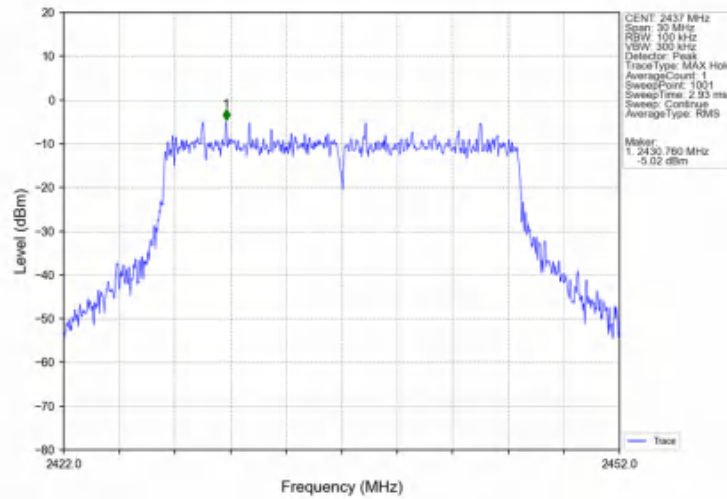
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant1 (MIMO)_NTNV



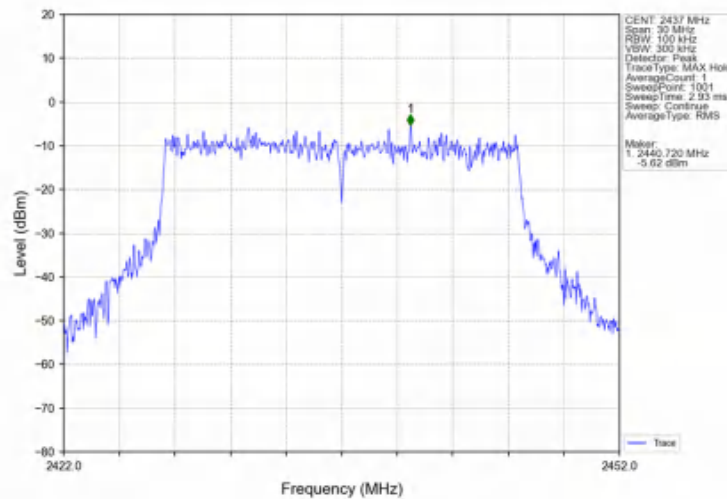
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant2 (MIMO)_NTNV



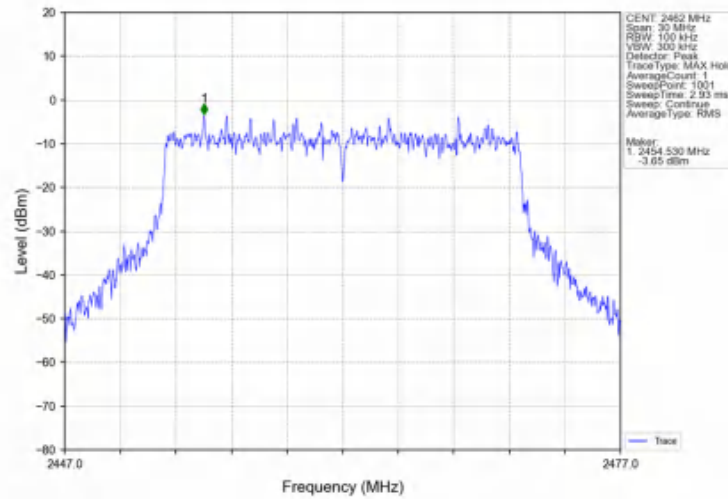
802.11ax(HEW20)_MCH_2437MHz_SU / _Ant1 (MIMO)_NTNV



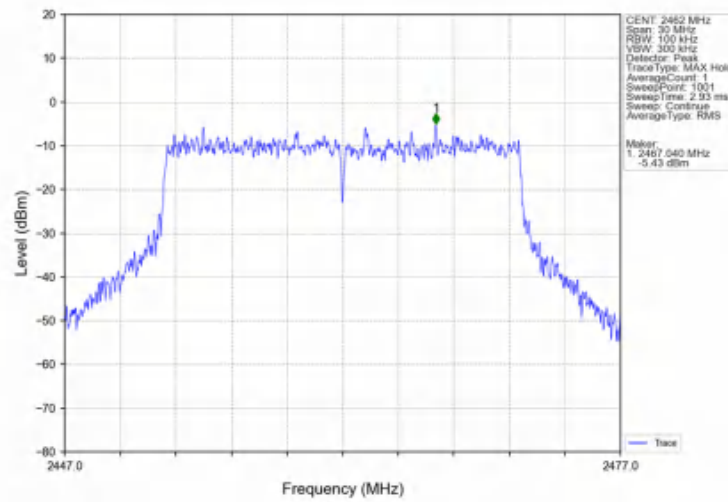
802.11ax(HEW20)_MCH_2437MHz_SU / _Ant2 (MIMO)_NTNV



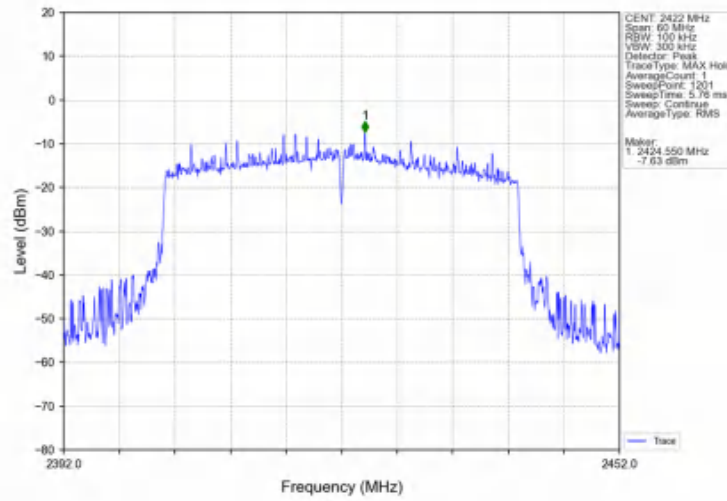
802.11ax(HEW20)_HCH_2462MHz_SU / _Ant1 (MIMO)_NTNV



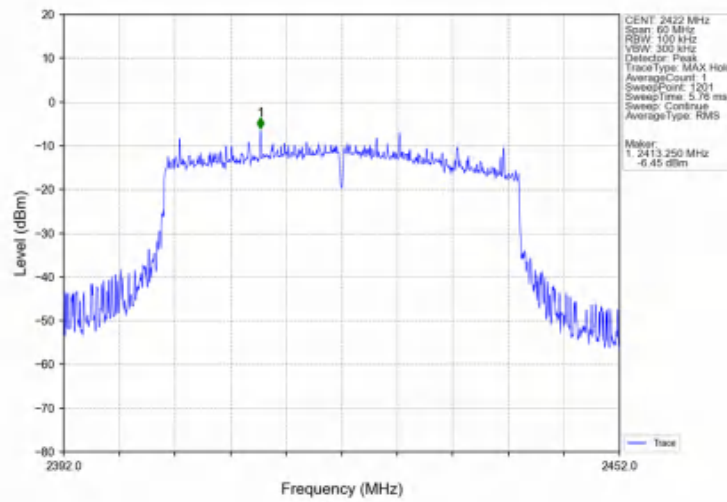
802.11ax(HEW20)_HCH_2462MHz_SU / _Ant2 (MIMO)_NTNV



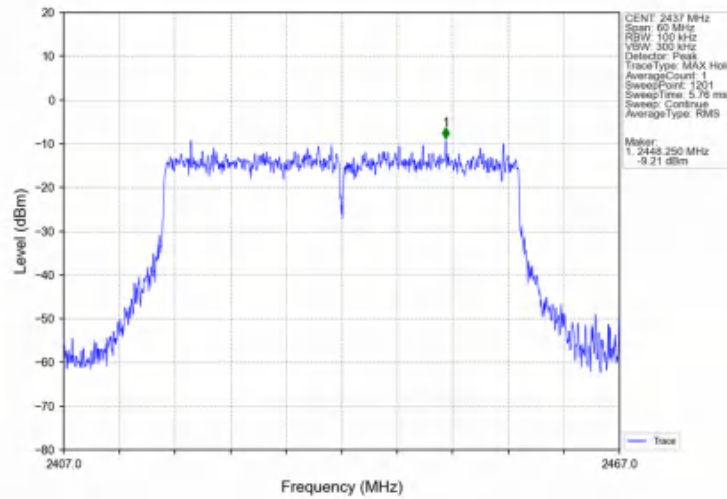
802.11ax(HEW40)_LCH_2422MHz_SU / _Ant1 (MIMO)_NTNV



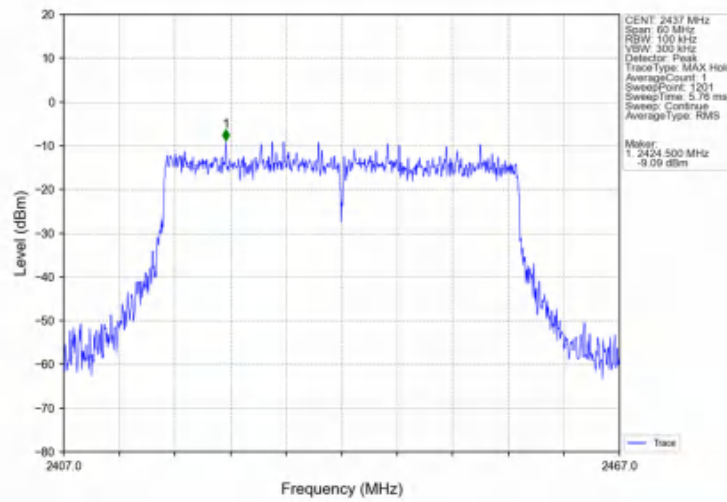
802.11ax(HEW40)_LCH_2422MHz_SU / _Ant2 (MIMO)_NTNV



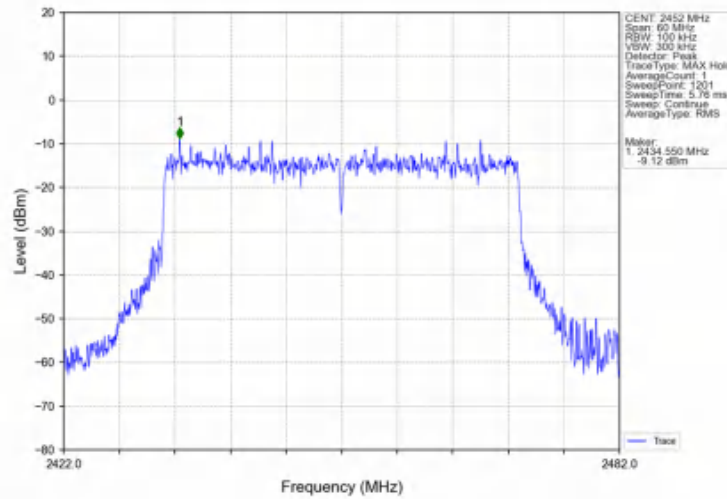
802.11ax(HEW40)_MCH_2437MHz_SU / _Ant1 (MIMO)_NTNV



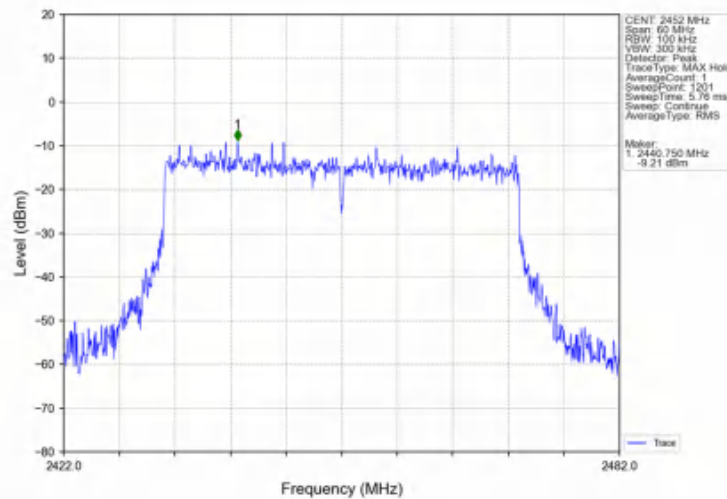
802.11ax(HEW40)_MCH_2437MHz_SU / _Ant2 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU / _Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU / _Ant2 (MIMO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	1.16
					2	1.16
		2437	/	/	1	1.60
					2	2.04
		2462	/	/	1	3.62
					2	3.01
802.11g	SISO	2412	/	/	1	0.71
					2	2.14
		2437	/	/	1	-4.46
					2	-3.06
		2462	/	/	1	-2.85
					2	-4.18
802.11n (HT20)	MIMO	2412	/	/	1	-3.89
					2	-3.16
		2437	/	/	1	-4.78
					2	-3.95
		2462	/	/	1	-3.37
					2	-4.31
802.11n (HT40)	MIMO	2422	/	/	1	-7.51
					2	-5.40
		2437	/	/	1	-7.44
					2	-5.82
		2452	/	/	1	-7.04
					2	-7.27
802.11ax (HEW20)	MIMO	2412	SU	/	1	-4.90
					2	-3.87
		2437	SU	/	1	-4.79
					2	-5.00
		2462	SU	/	1	-3.52
					2	-4.57
802.11ax (HEW40)	MIMO	2422	SU	/	1	-7.88
					2	-5.75
		2437	SU	/	1	-8.84
					2	-9.06
		2452	SU	/	1	-9.12
					2	-8.69

5.1.2 CSE

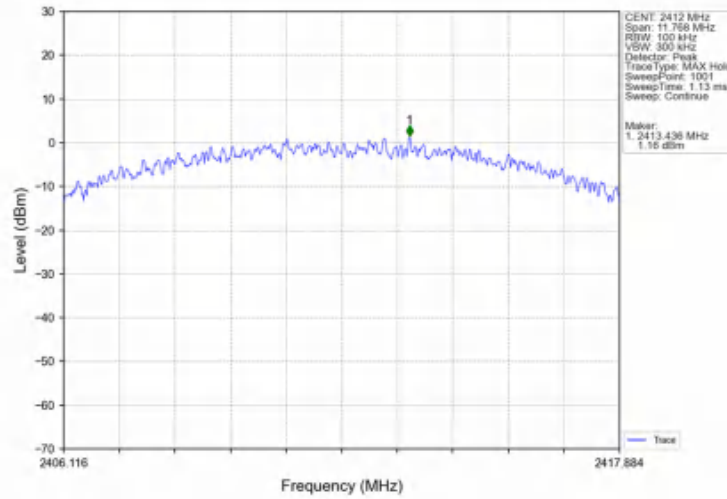
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	1.16	-18.84	Pass
					2	1.16	-18.84	Pass
		2437	/	/	1	1.60	-18.40	Pass
					2	2.04	-17.96	Pass
		2462	/	/	1	3.62	-16.38	Pass
					2			

					2	3.01	-16.99	Pass
802.11g	SISO	2412	/	/	1	0.71	-19.29	Pass
					2	2.14	-17.86	Pass
					1	-4.46	-24.46	Pass
		2437	/	/	2	-3.06	-23.06	Pass
					1	-2.85	-22.85	Pass
					2	-4.18	-24.18	Pass
802.11n (HT20)	MIMO	2412	/	/	1	-3.89	-23.89	Pass
					2	-3.16	-23.16	Pass
					1	-4.78	-24.78	Pass
		2437	/	/	2	-3.95	-23.95	Pass
					1	-3.37	-23.37	Pass
					2	-4.31	-24.31	Pass
802.11n (HT40)	MIMO	2422	/	/	1	-7.51	-27.51	Pass
					2	-5.40	-25.40	Pass
					1	-7.44	-27.44	Pass
		2437	/	/	2	-5.82	-25.82	Pass
					1	-7.04	-27.04	Pass
					2	-7.27	-27.27	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	1	-4.90	-24.90	Pass
					2	-3.87	-23.87	Pass
					1	-4.79	-24.79	Pass
		2437	SU	/	2	-5.00	-25.00	Pass
					1	-3.52	-23.52	Pass
					2	-4.57	-24.57	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	1	-7.88	-27.88	Pass
					2	-5.75	-25.75	Pass
					1	-8.84	-28.84	Pass
		2437	SU	/	2	-9.06	-29.06	Pass
					1	-9.12	-29.12	Pass
					2	-8.69	-28.69	Pass

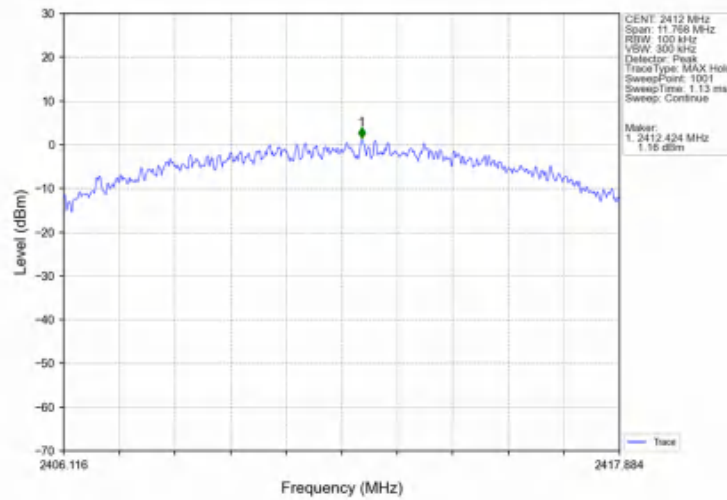
5.2 Test Graph

5.2.1 Ref

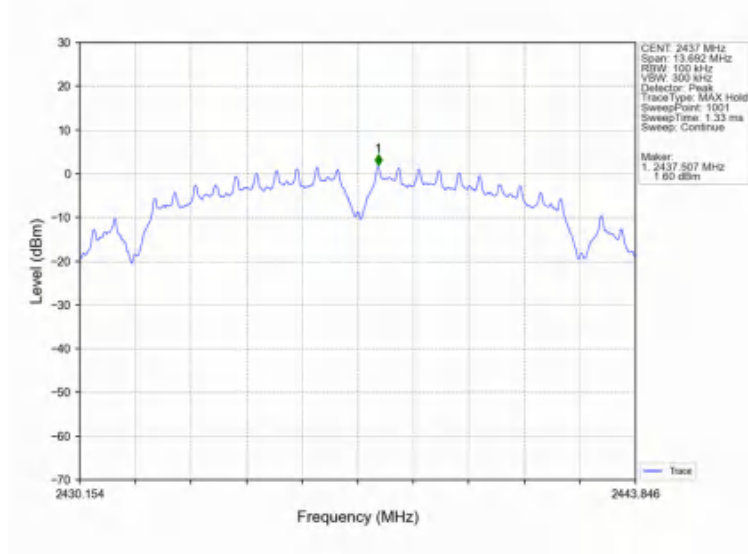
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



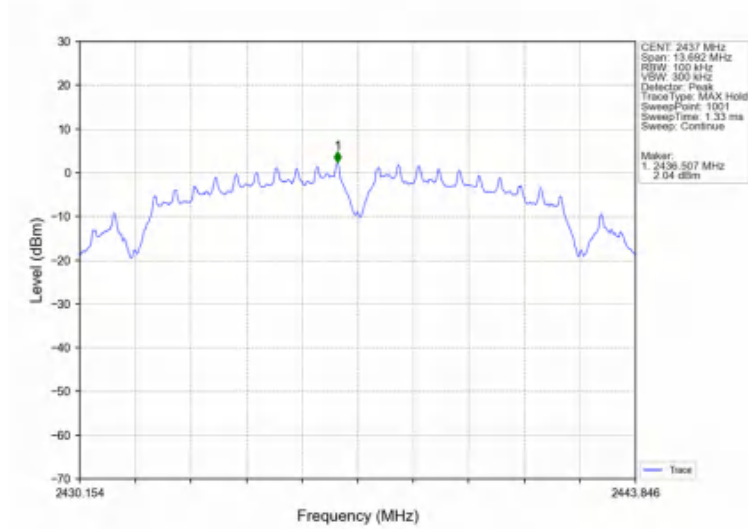
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



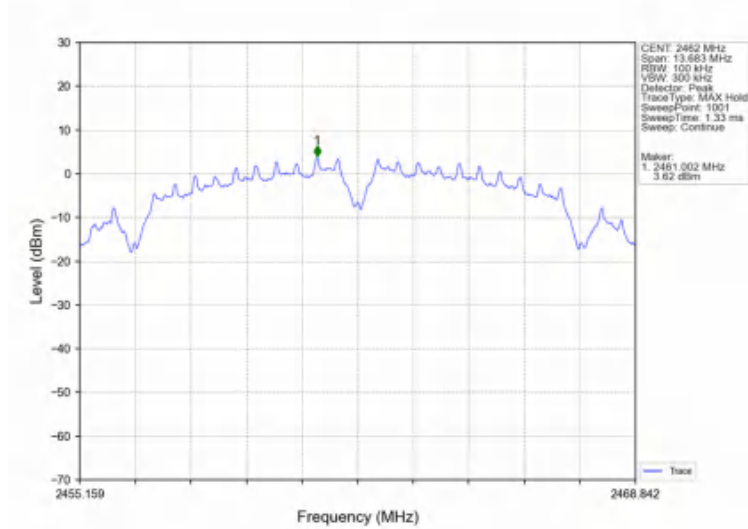
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



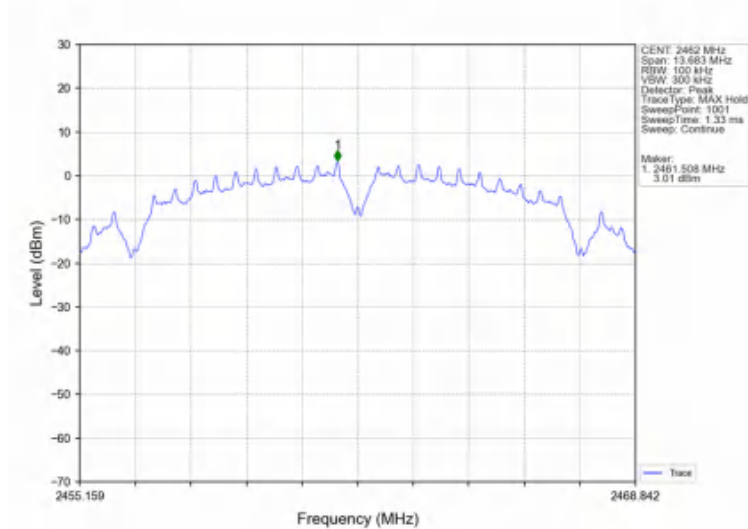
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



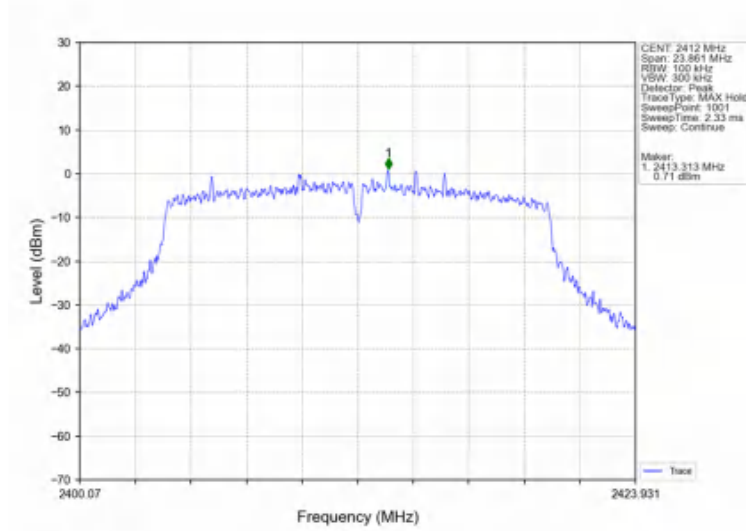
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



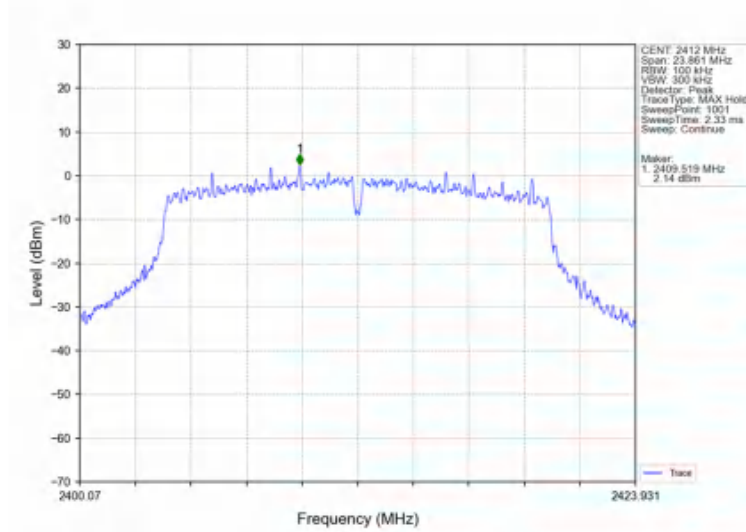
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



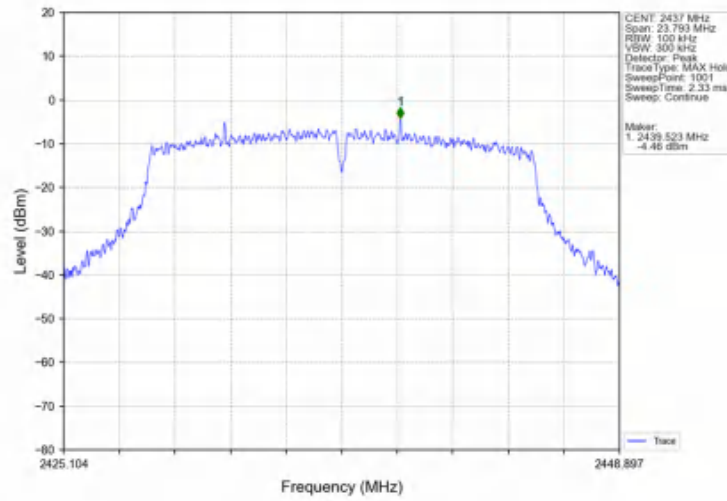
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



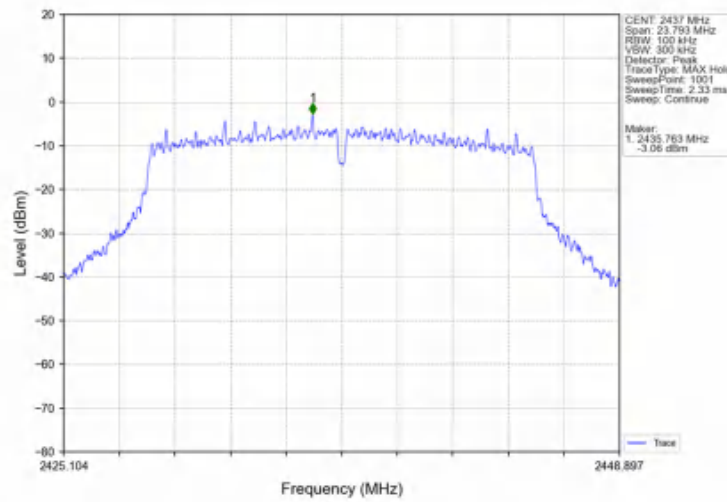
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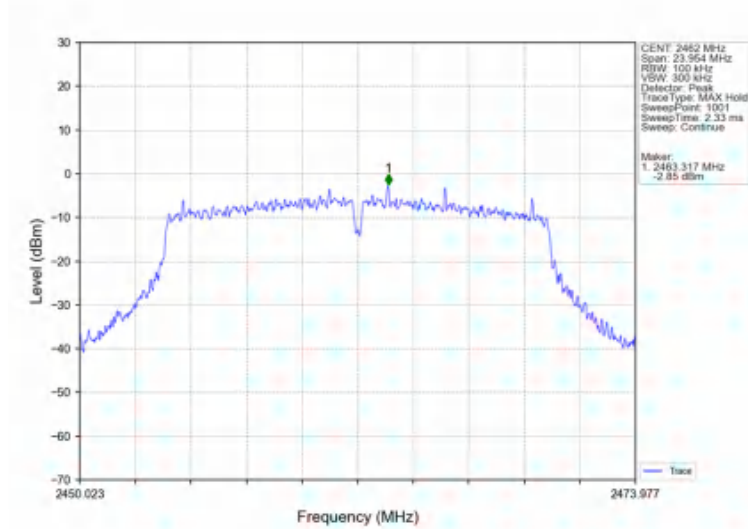
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



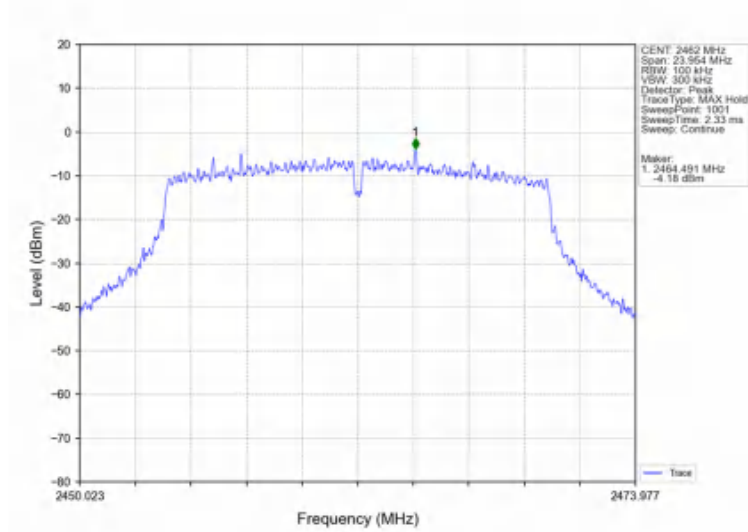
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



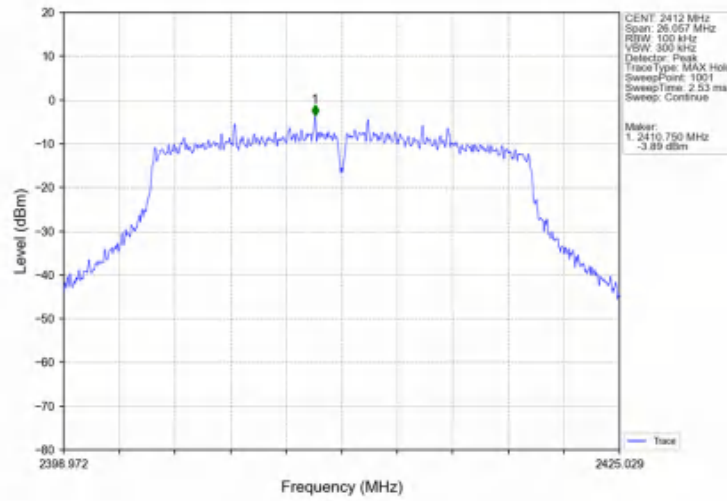
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



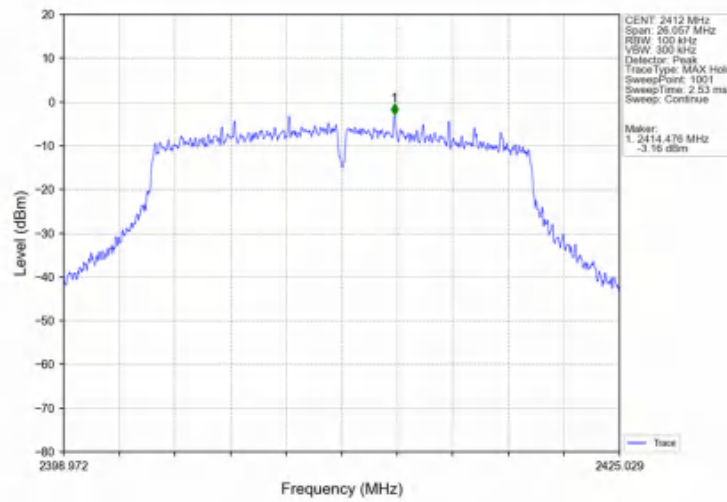
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



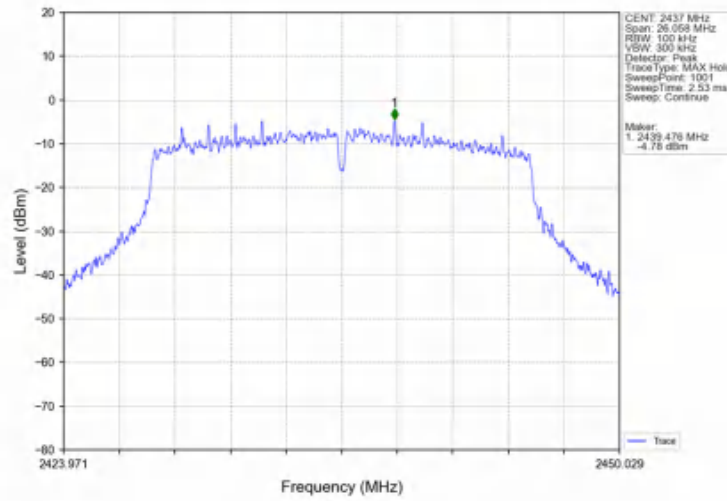
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



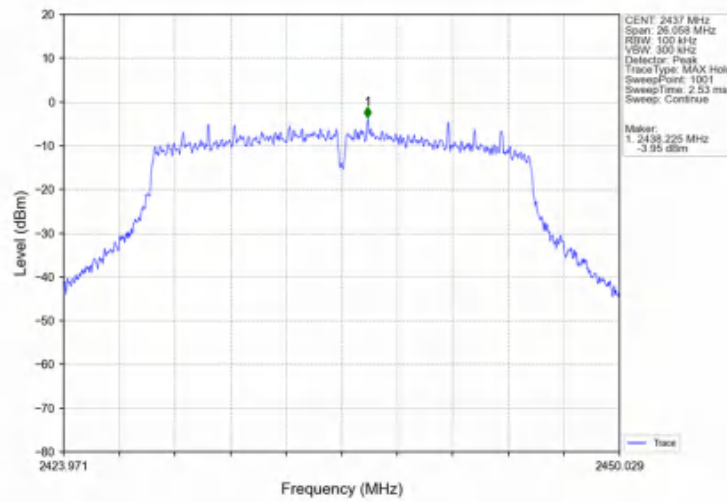
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



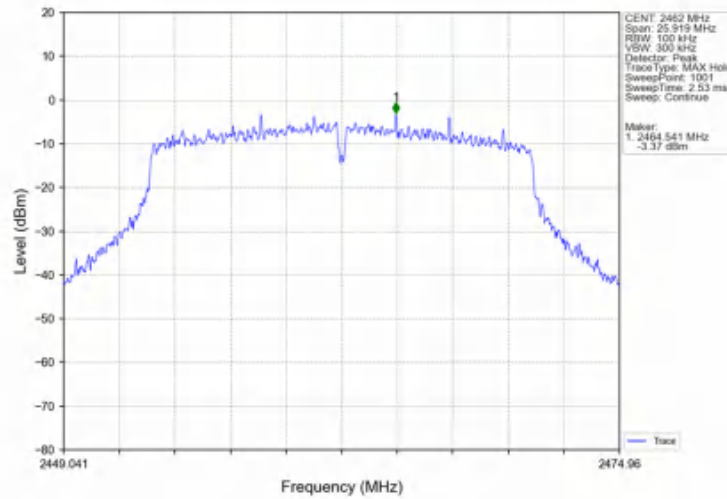
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



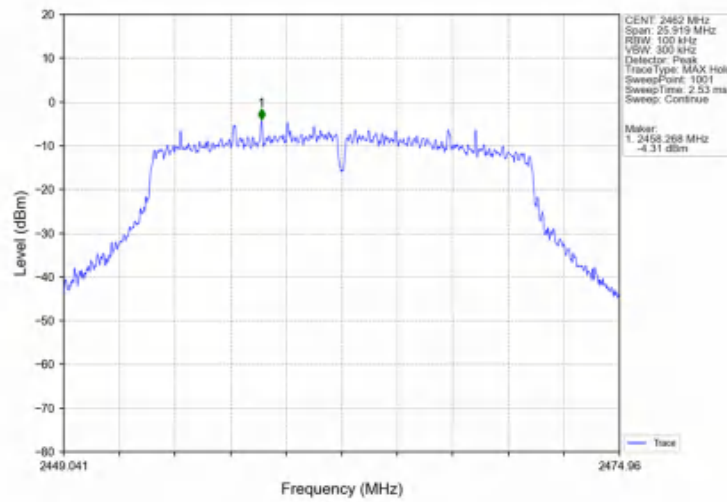
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



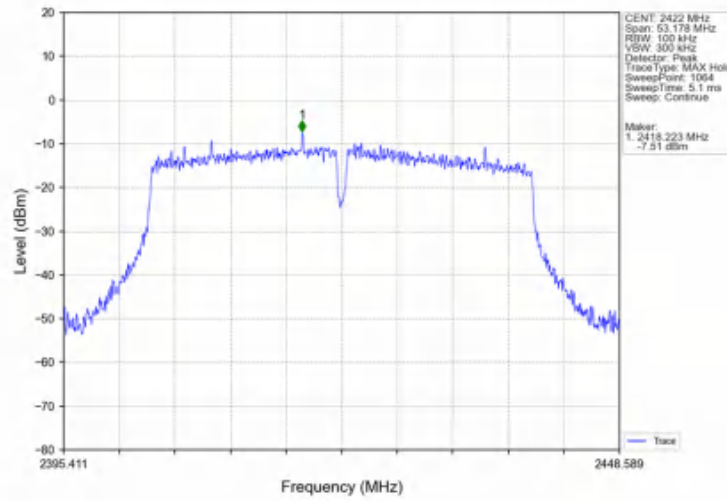
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



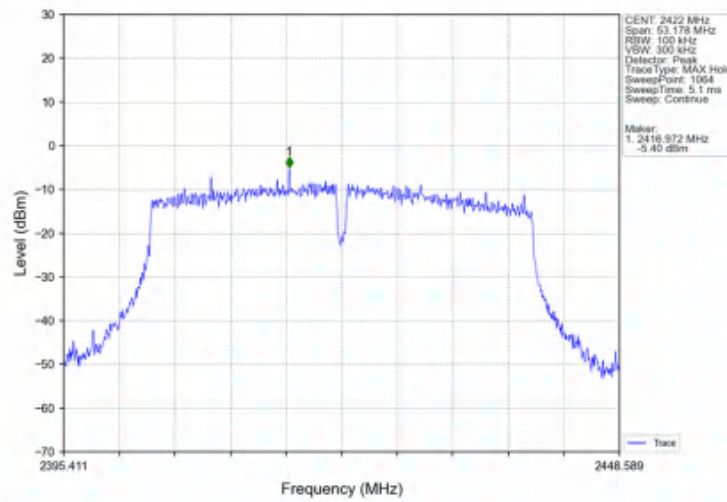
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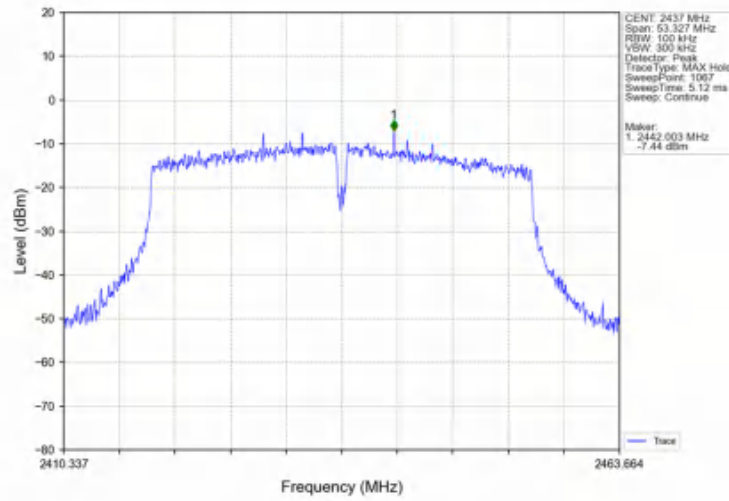
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



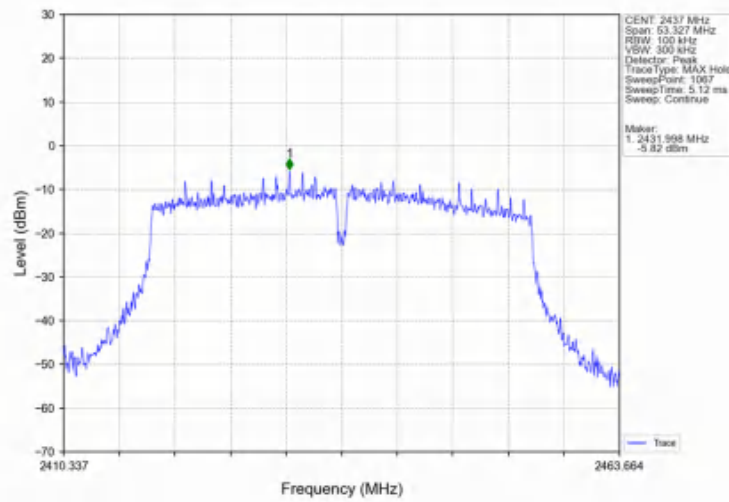
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



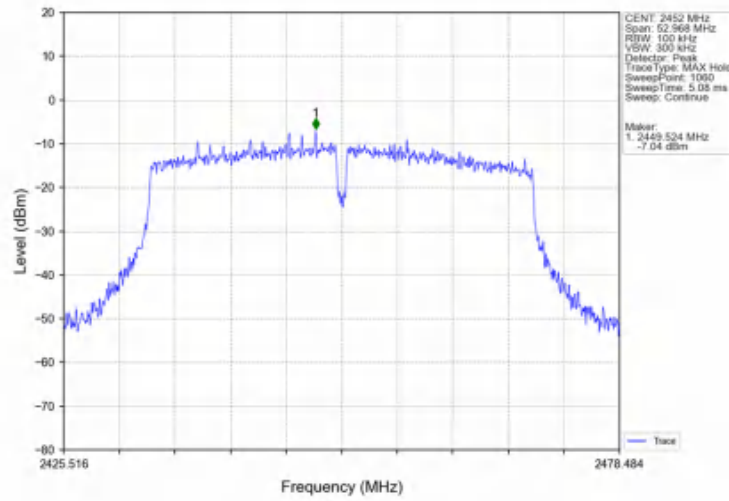
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



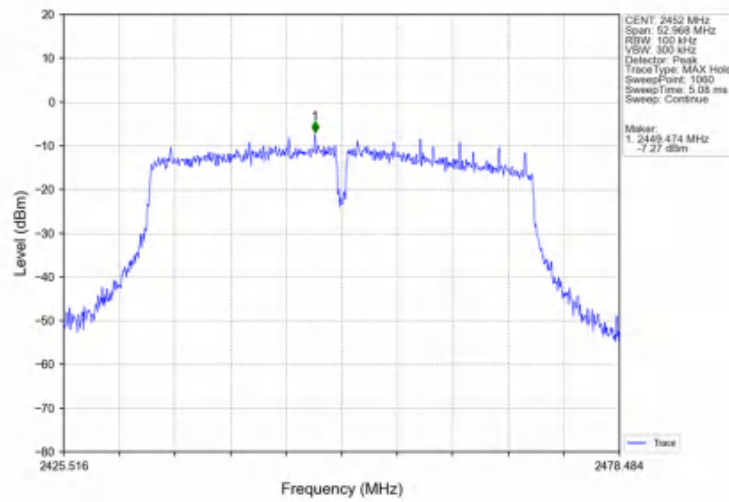
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



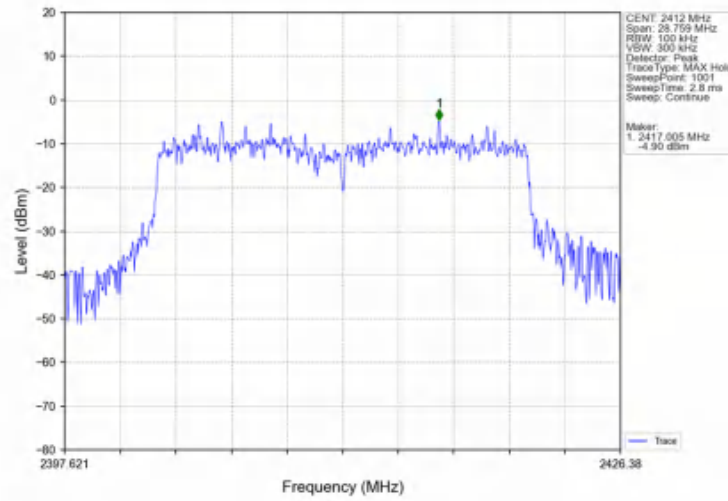
802.11n(HT40) HCH_2452MHz_Ant1 (MIMO)_NTNV



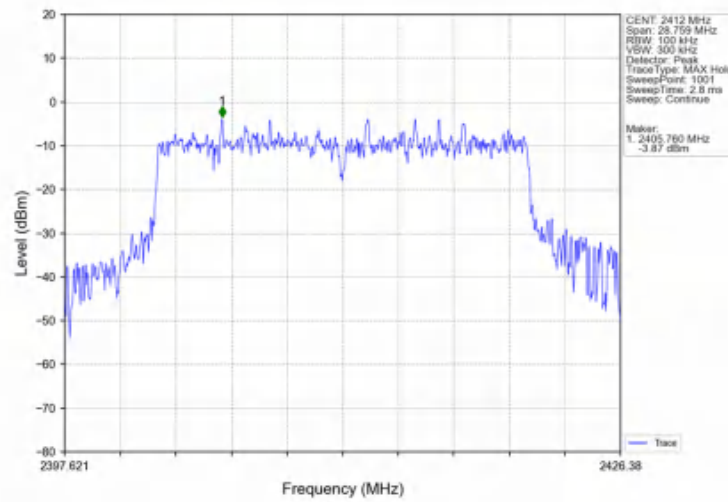
802.11n(HT40) HCH_2452MHz_Ant2 (MIMO)_NTNV



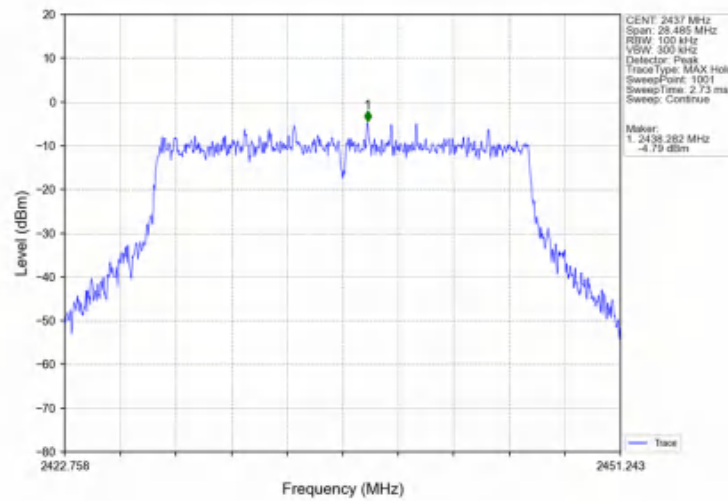
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant1 (MIMO)_NTNV



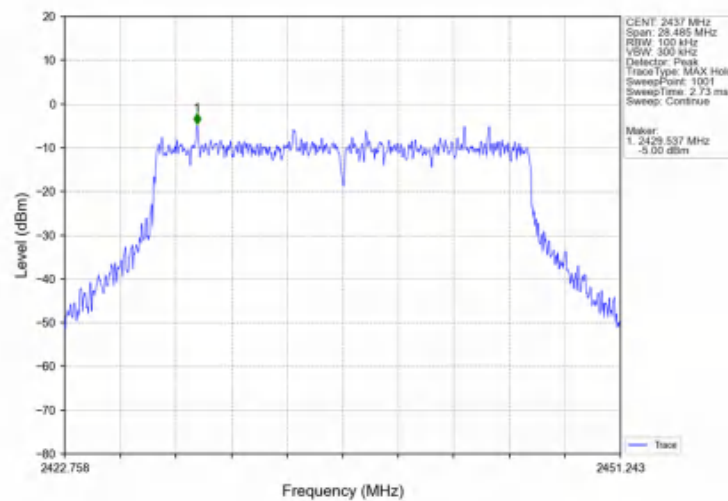
802.11ax(HEW20)_LCH_2412MHz_SU / _Ant2 (MIMO)_NTNV



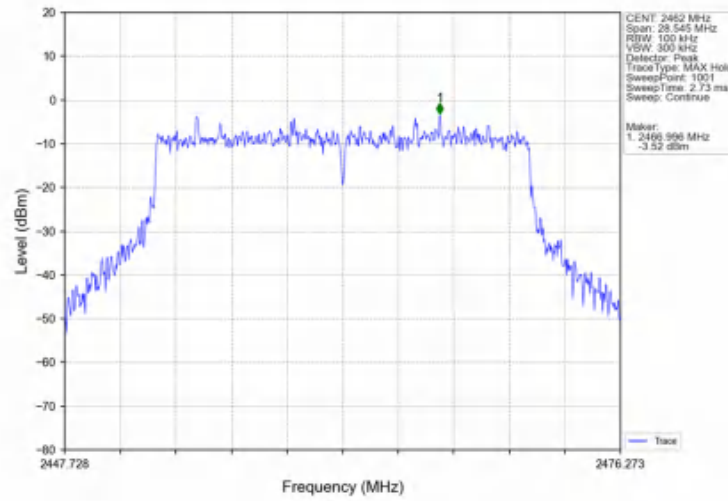
802.11ax(HEW20)_MCH_2437MHz_SU_/_Ant1 (MIMO)_NTNV



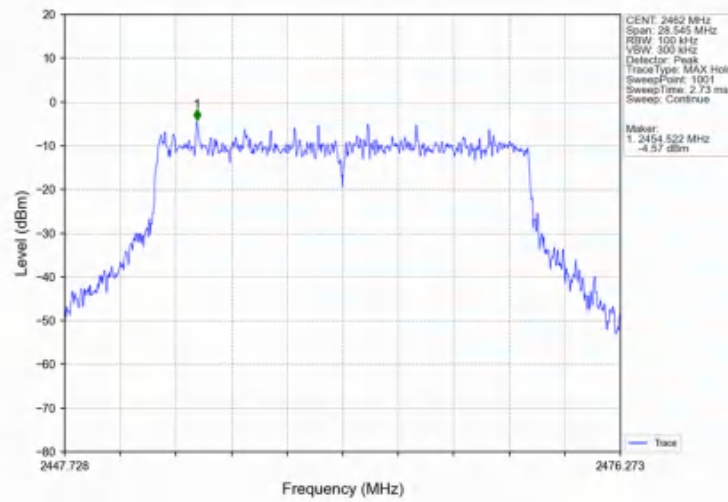
802.11ax(HEW20)_MCH_2437MHz_SU_/_Ant2 (MIMO)_NTNV



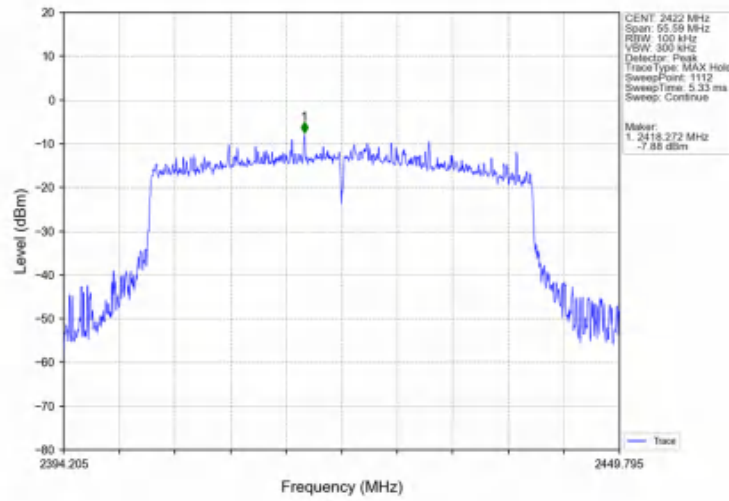
802.11ax(HEW20)_HCH_2462MHz_SU / _Ant1 (MIMO)_NTNV



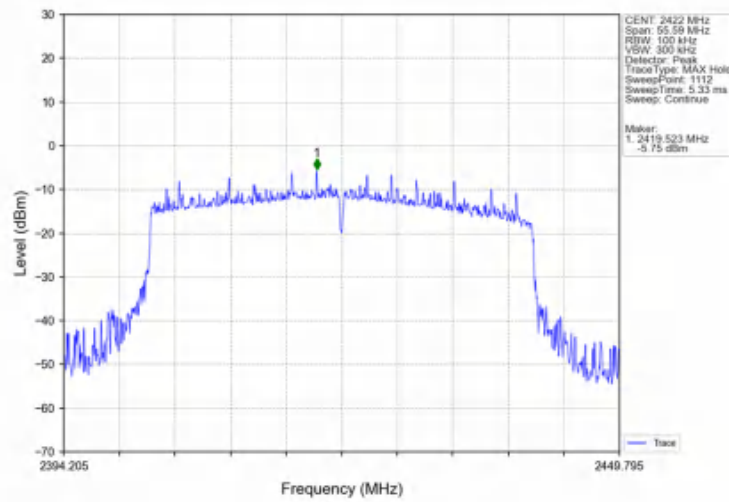
802.11ax(HEW20)_HCH_2462MHz_SU / _Ant2 (MIMO)_NTNV



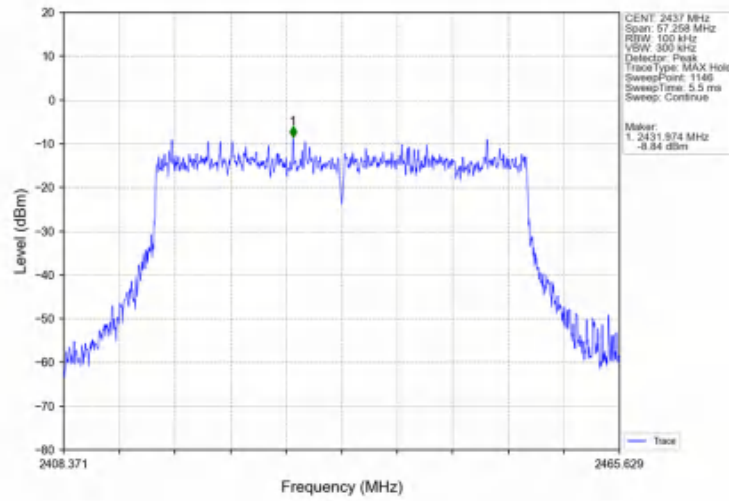
802.11ax(HEW40)_LCH_2422MHz_SU_/_Ant1 (MIMO)_NTNV



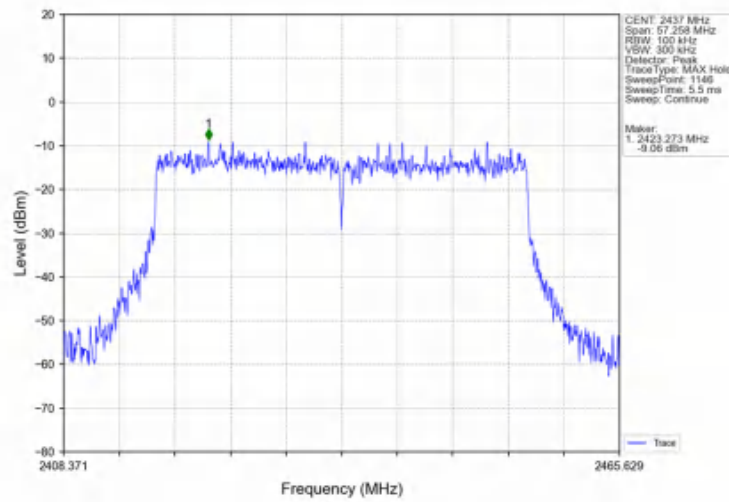
802.11ax(HEW40)_LCH_2422MHz_SU_/_Ant2 (MIMO)_NTNV



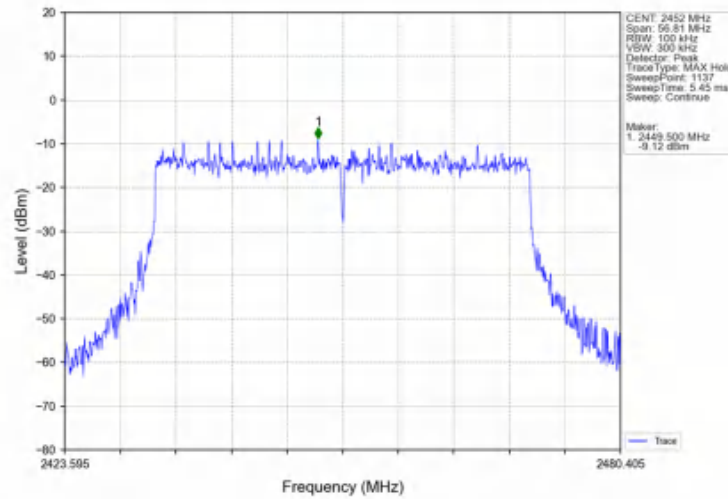
802.11ax(HEW40)_MCH_2437MHz_SU_/_Ant1 (MIMO)_NTNV



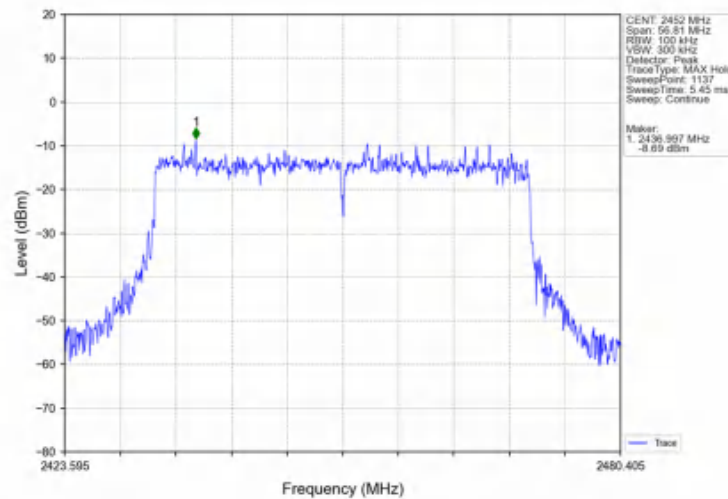
802.11ax(HEW40)_MCH_2437MHz_SU_/_Ant2 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU / _Ant1 (MIMO)_NTNV

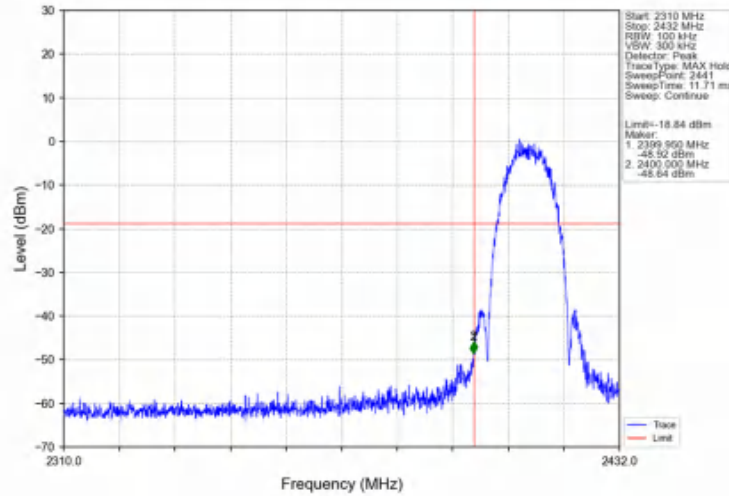


802.11ax(HEW40)_HCH_2452MHz_SU / _Ant2 (MIMO)_NTNV

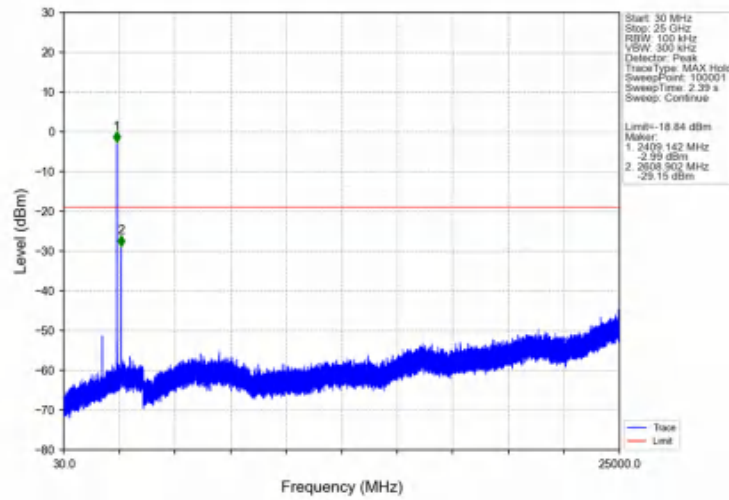


5.2.2 CSE

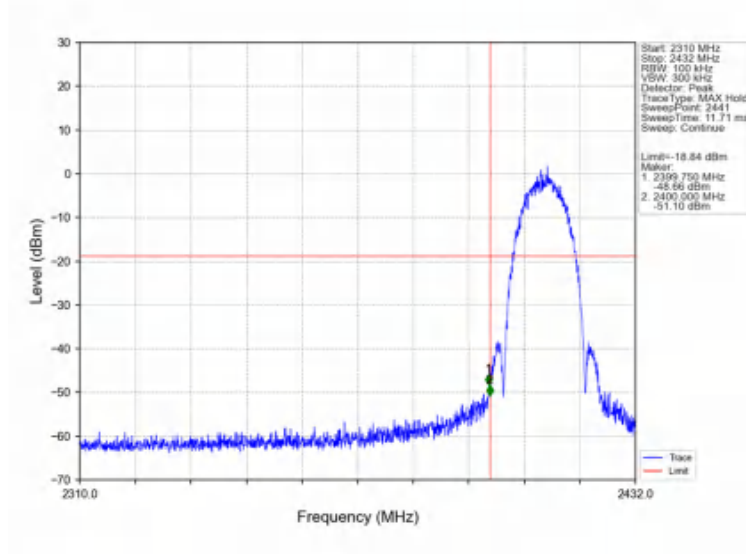
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



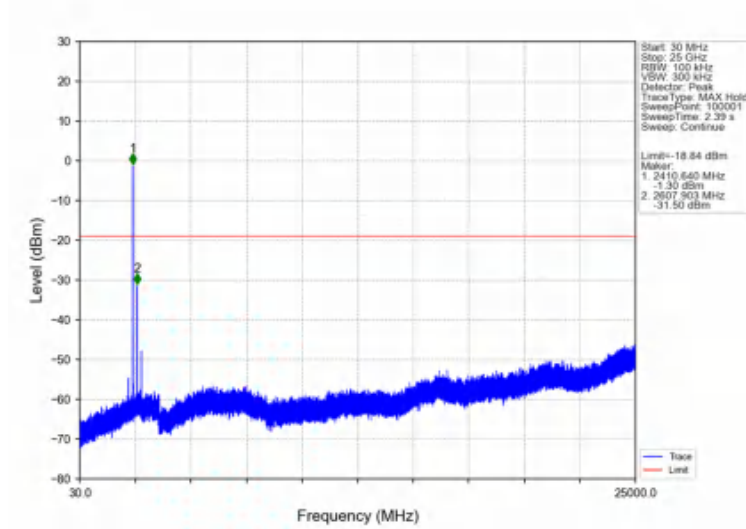
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



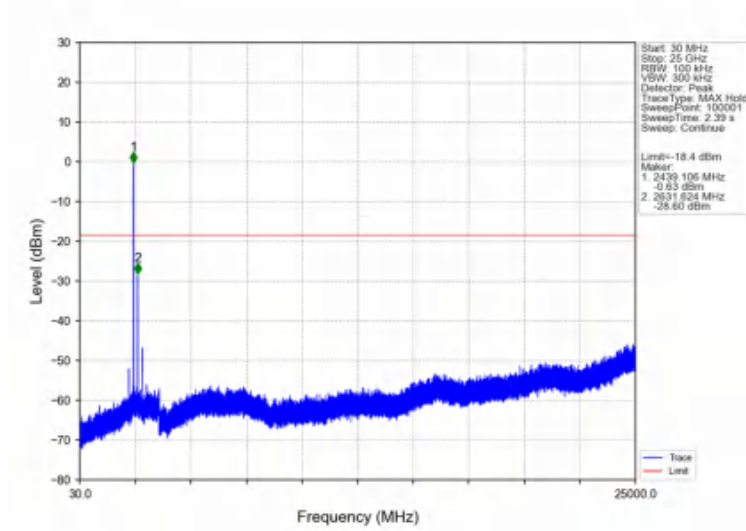
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



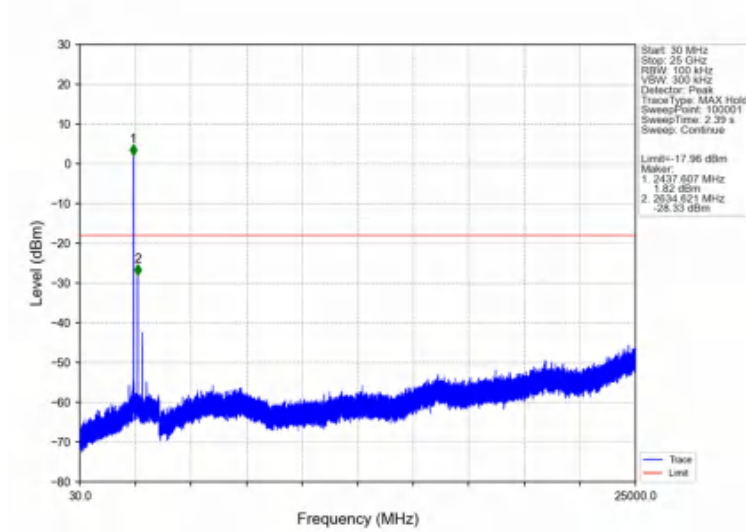
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



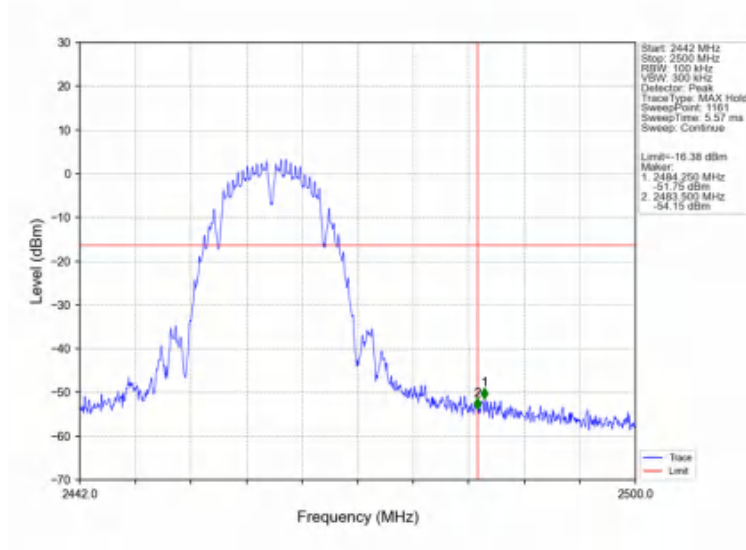
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



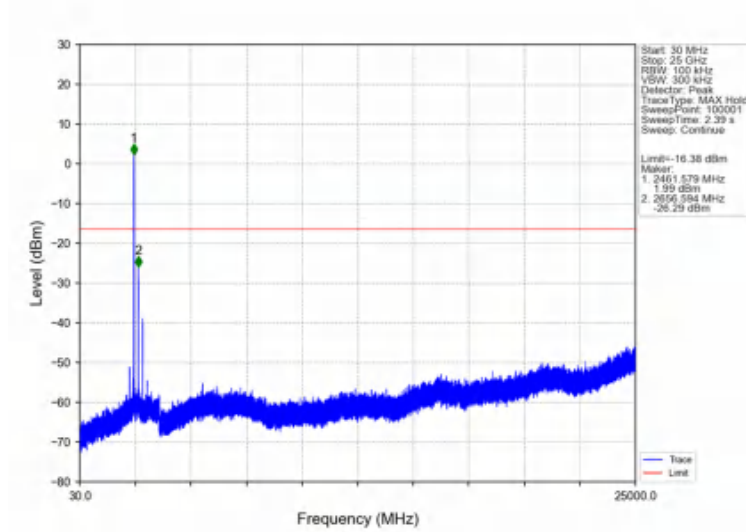
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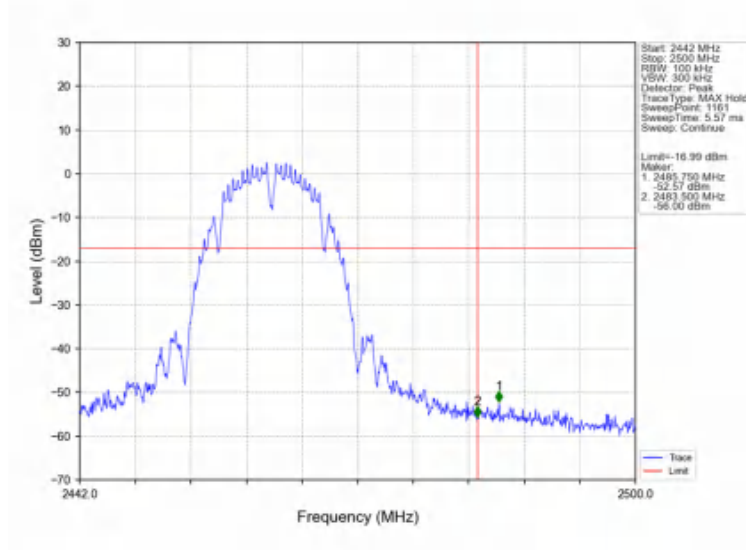
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



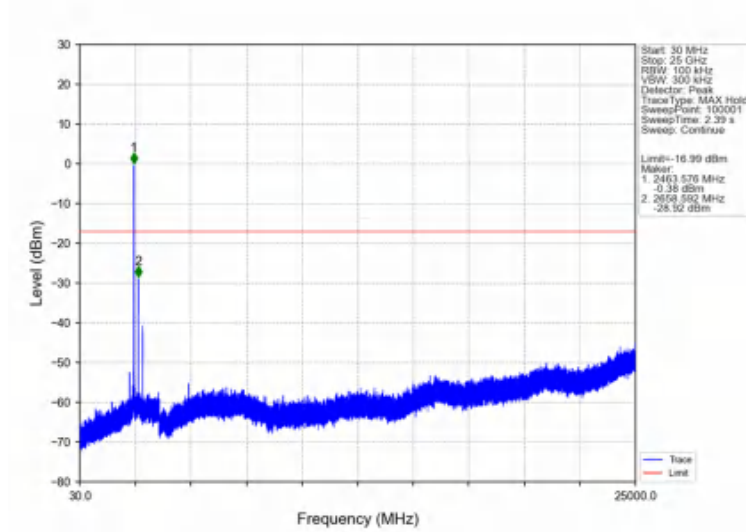
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



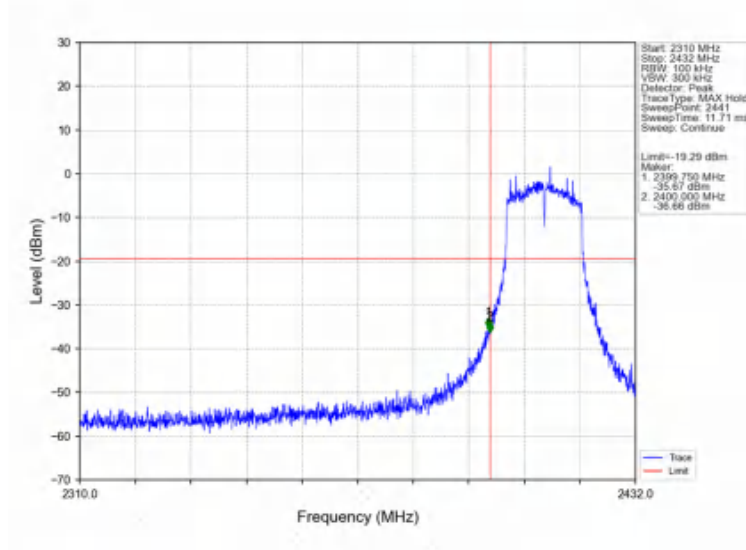
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



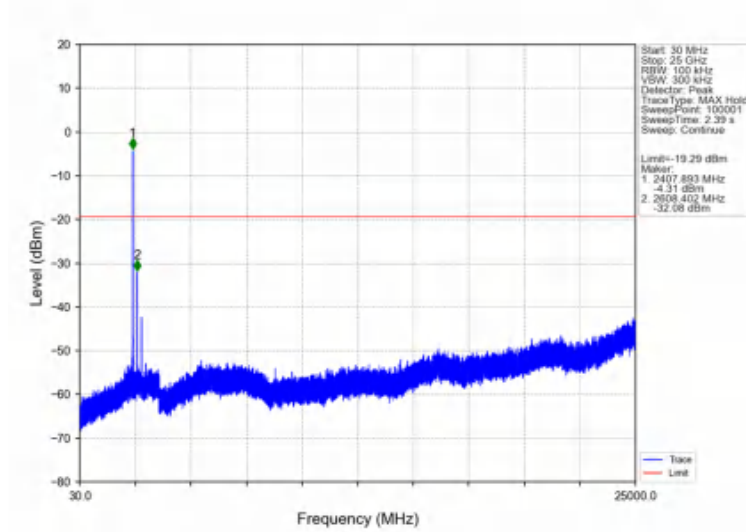
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



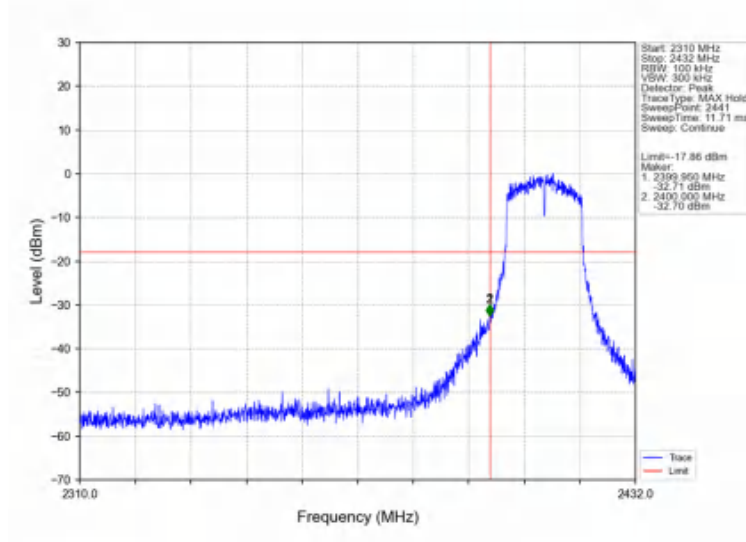
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



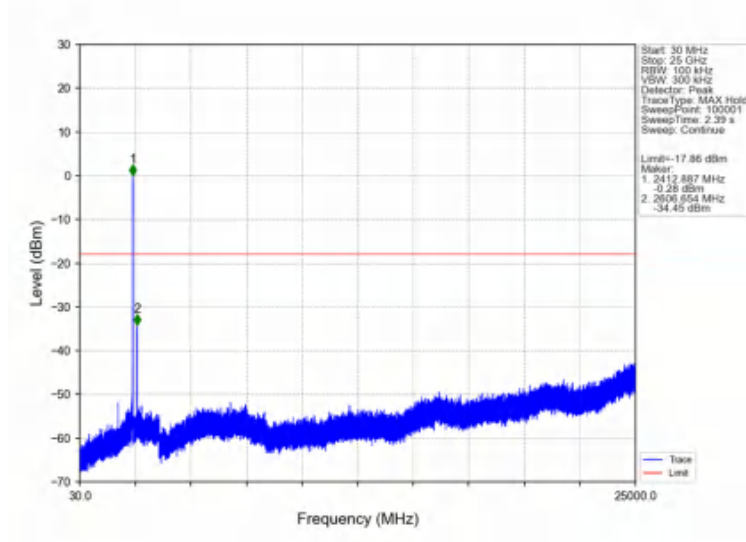
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



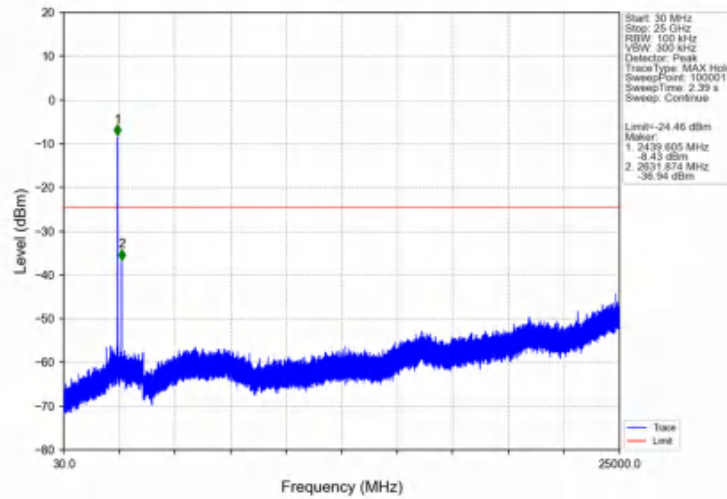
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



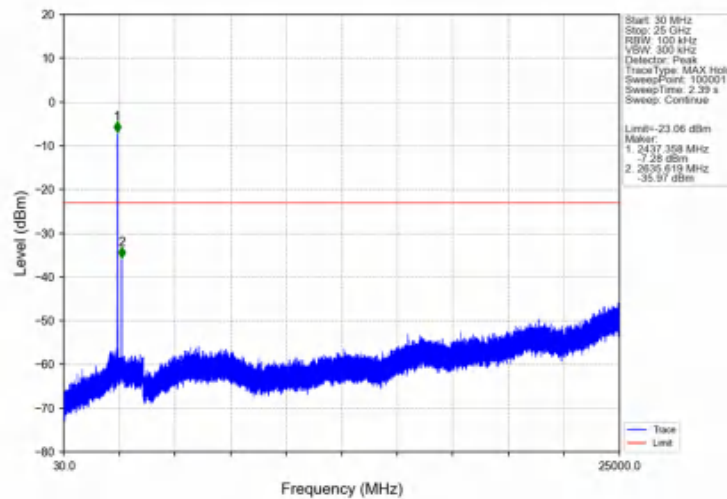
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



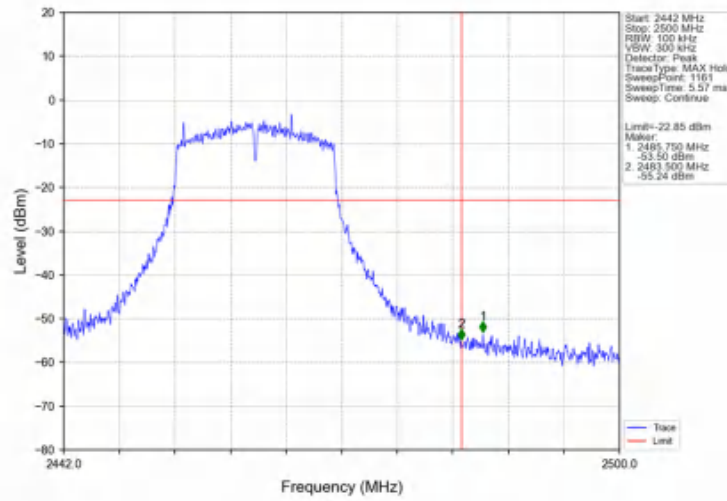
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



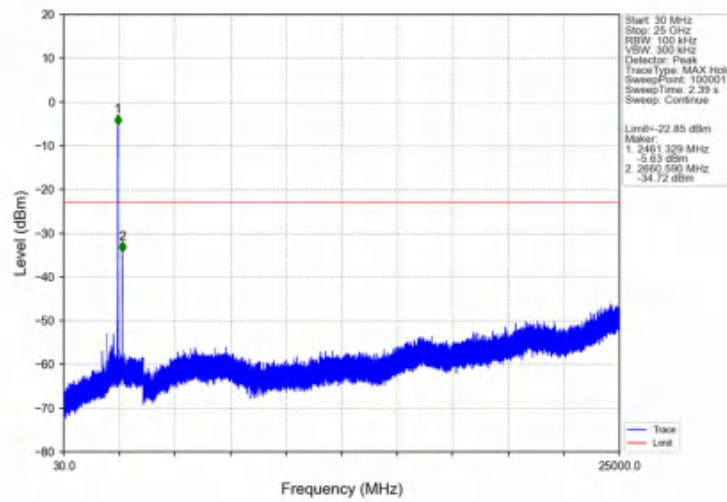
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



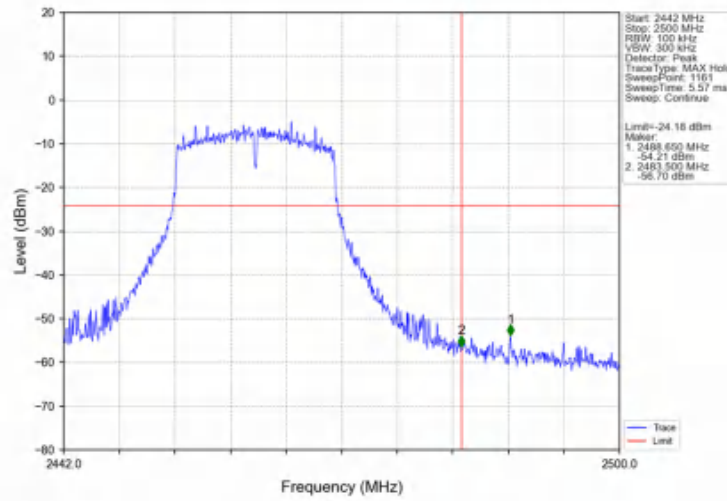
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



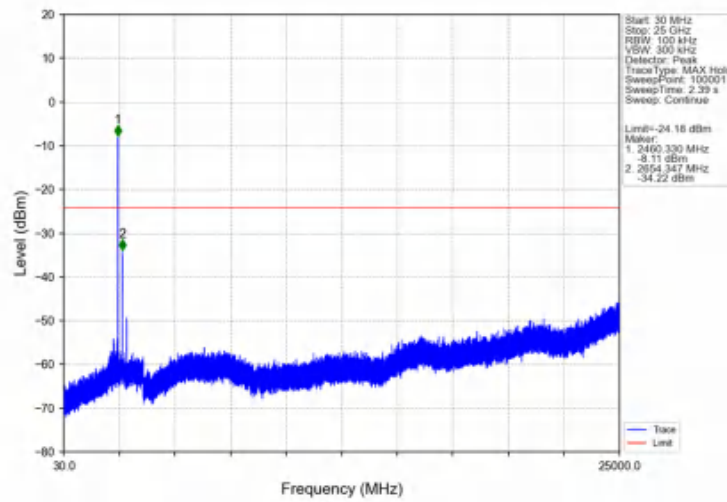
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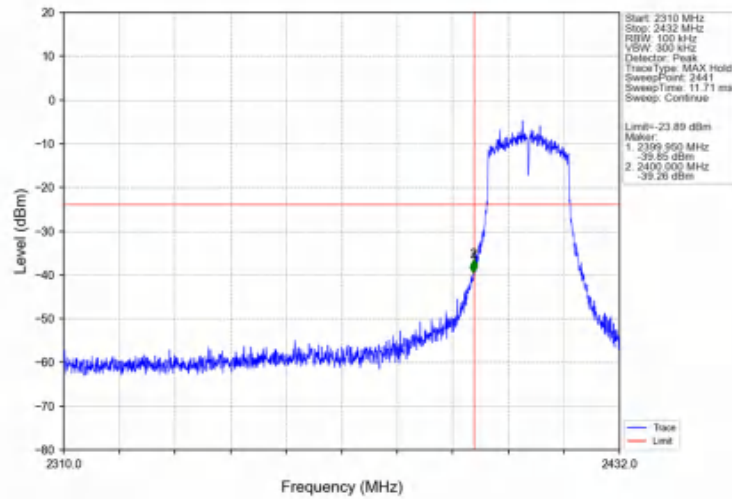
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



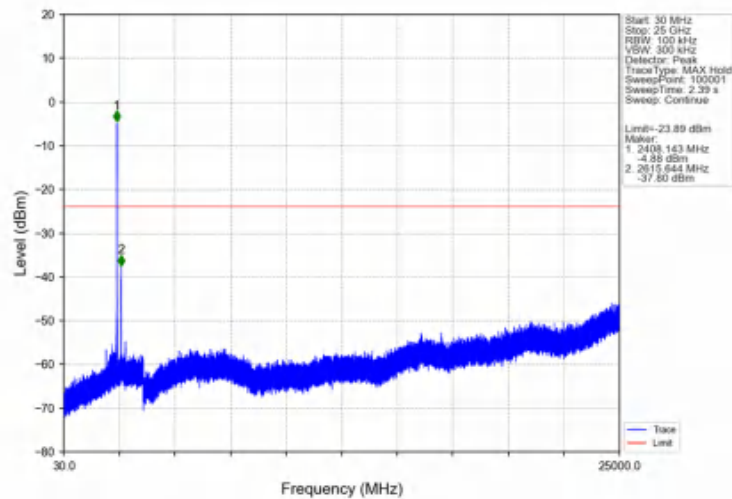
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



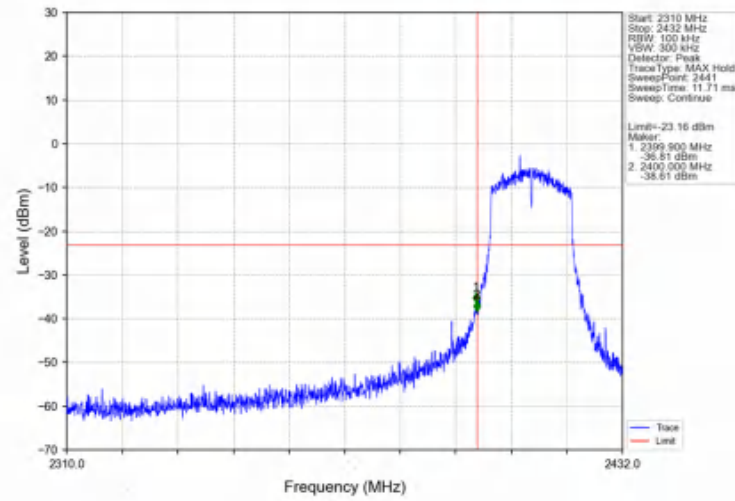
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



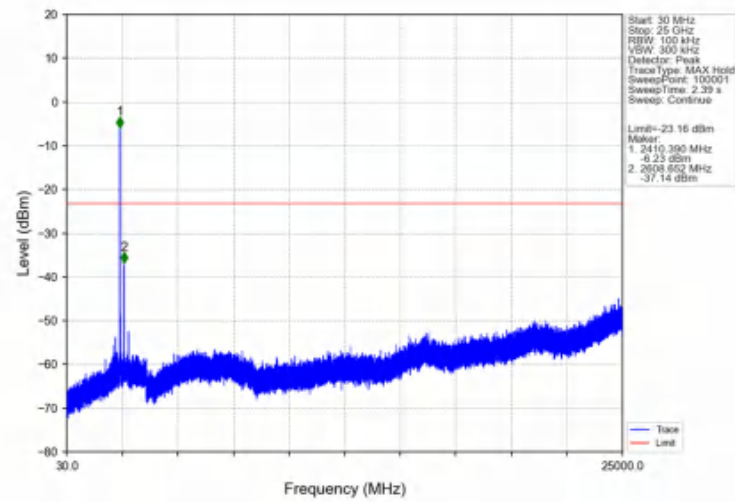
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



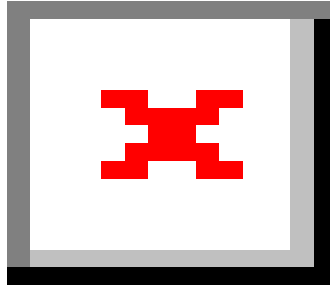
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



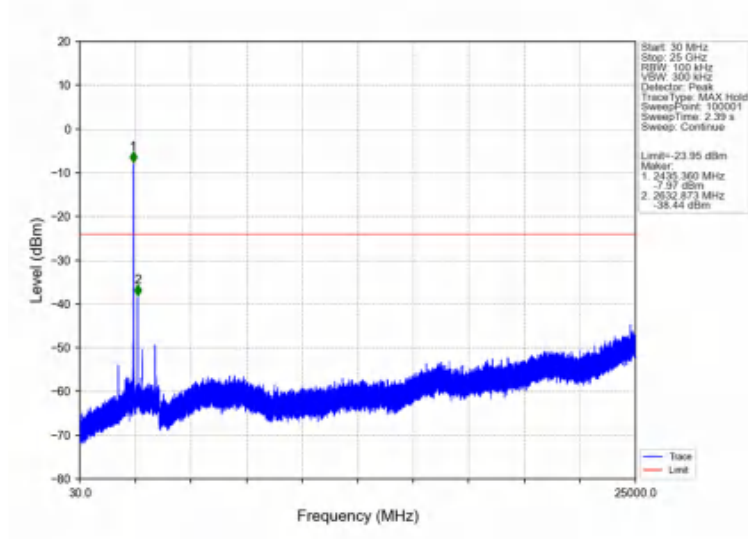
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



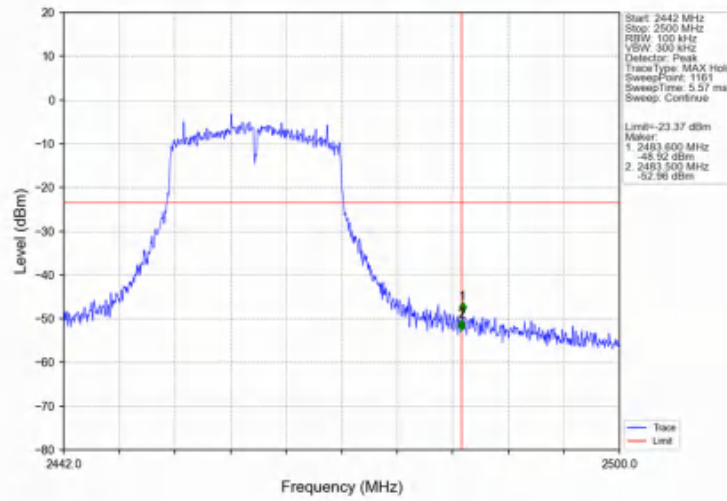
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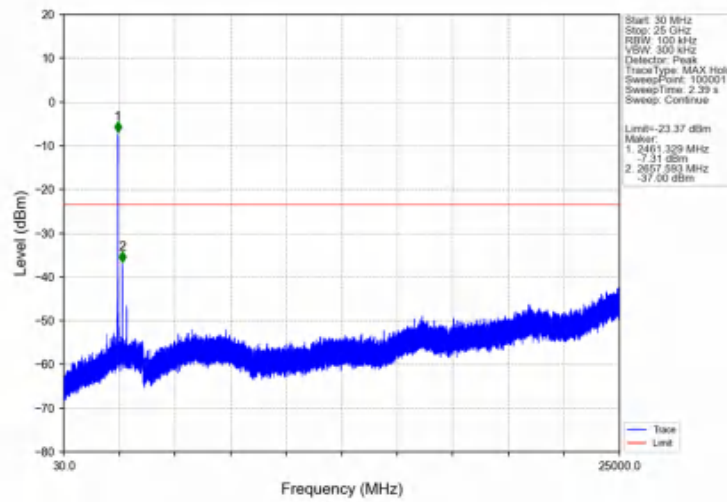
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



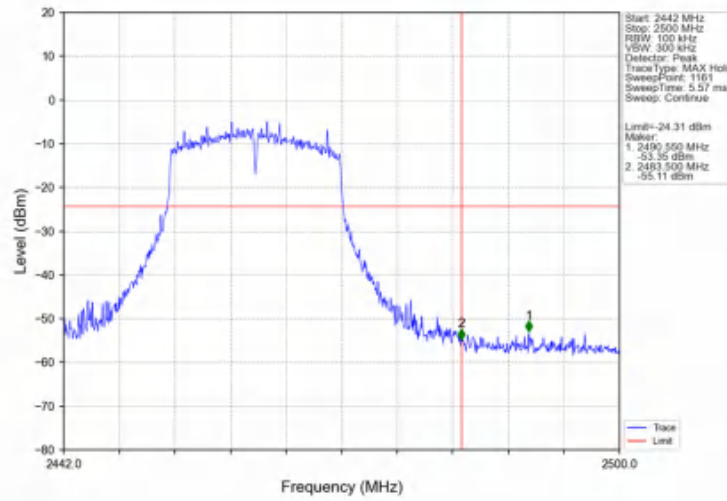
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



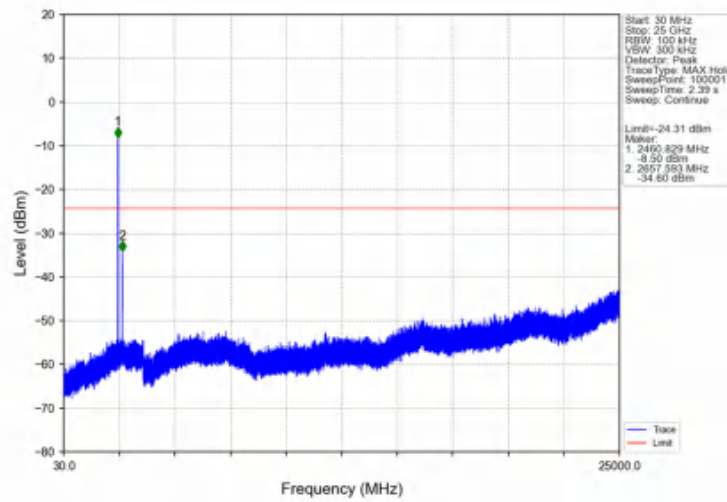
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



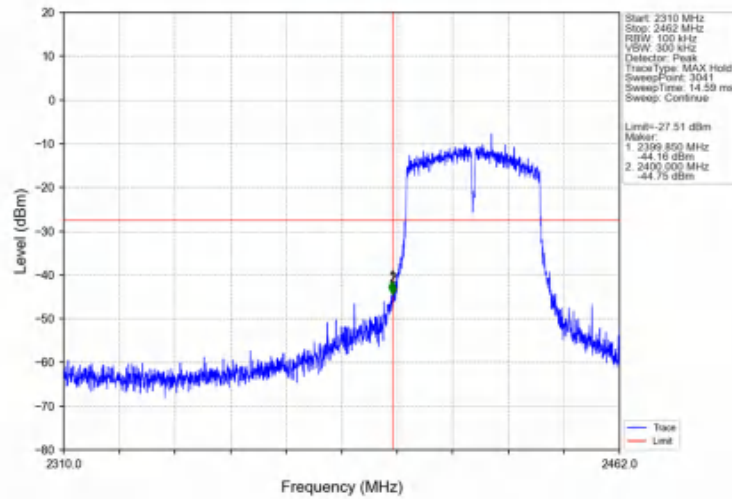
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



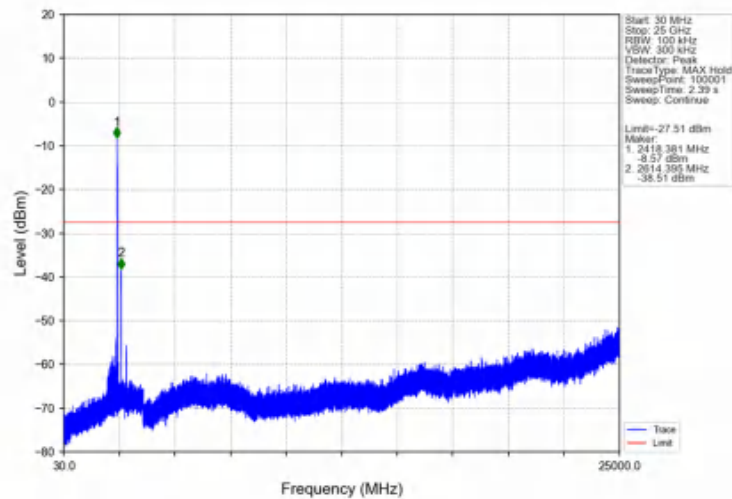
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



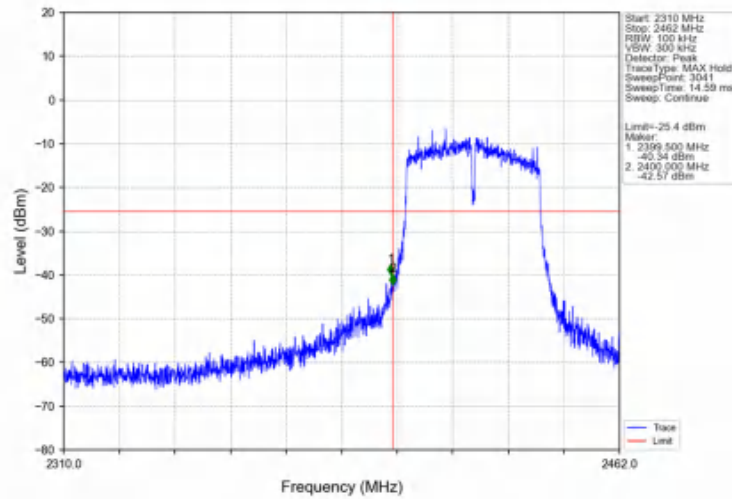
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



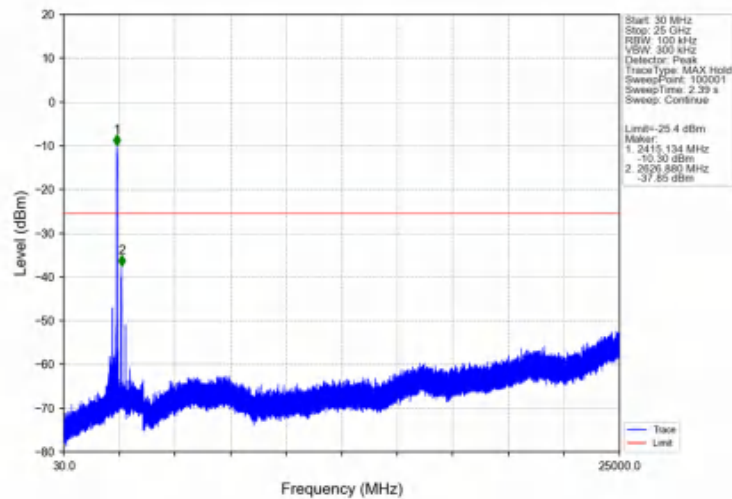
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



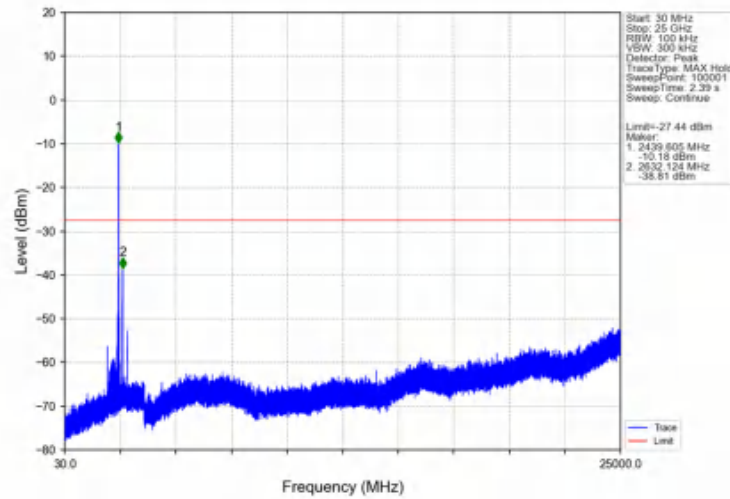
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



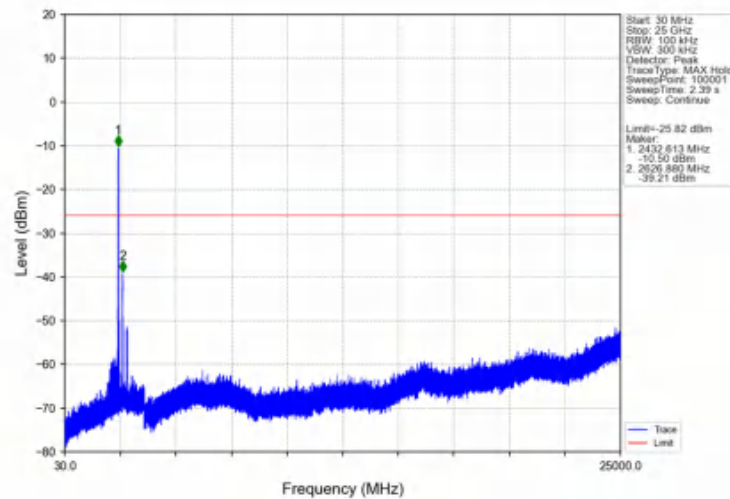
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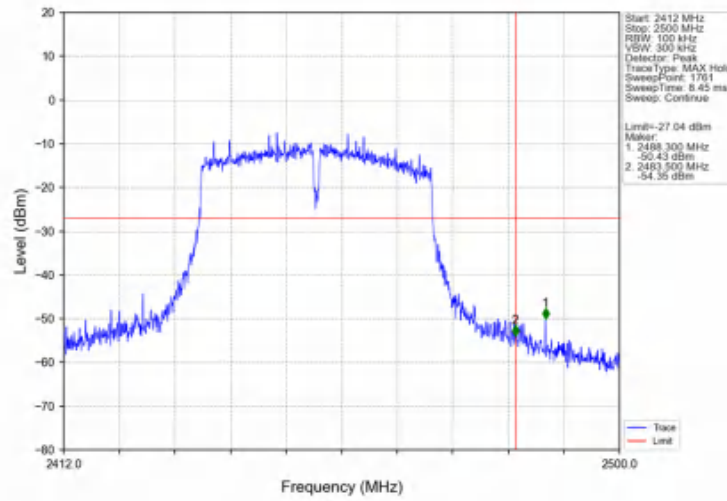
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



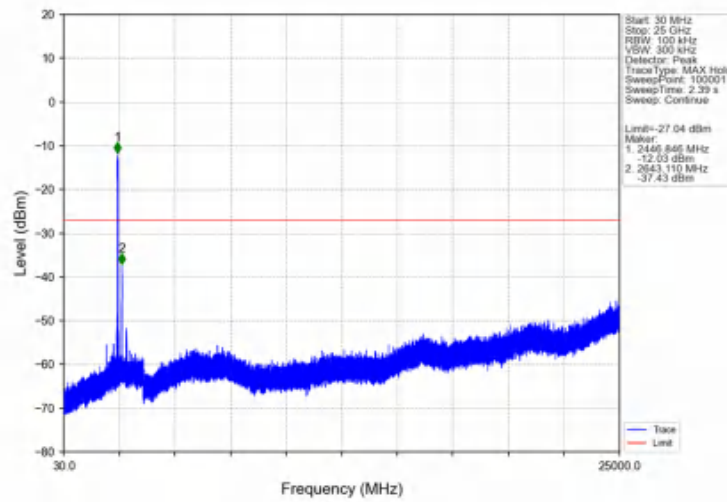
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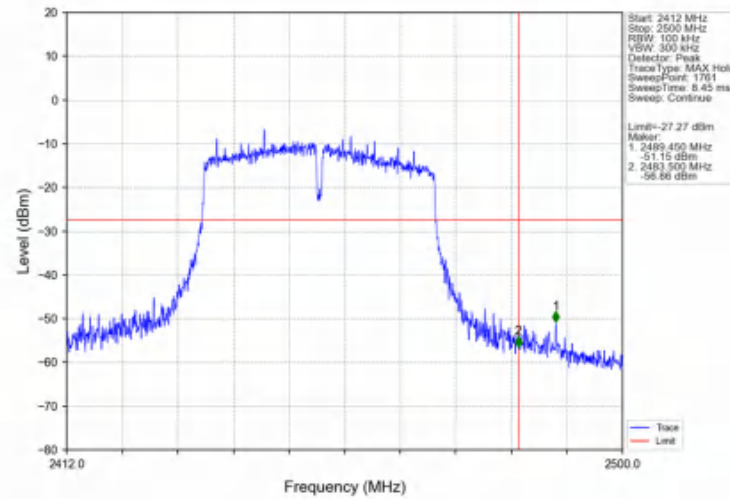
802.11n(HT40) HCH_2452MHz_Ant1 (MIMO)_NTNV



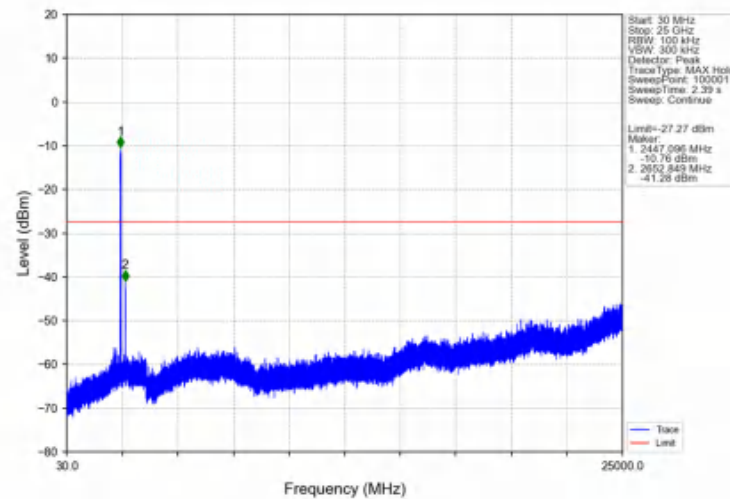
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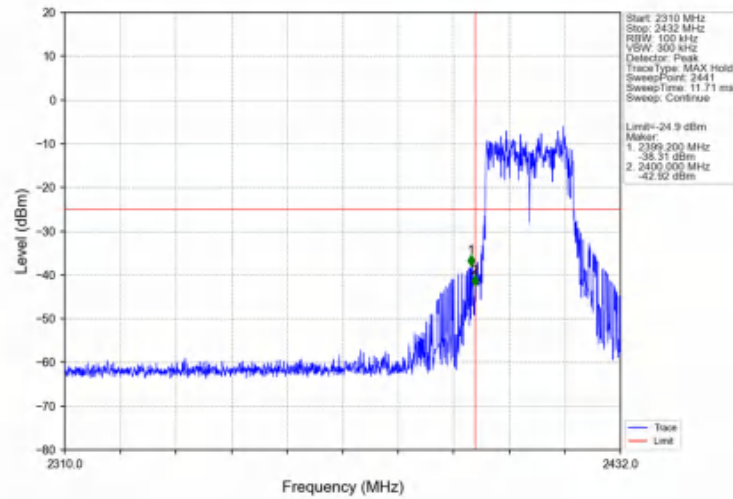
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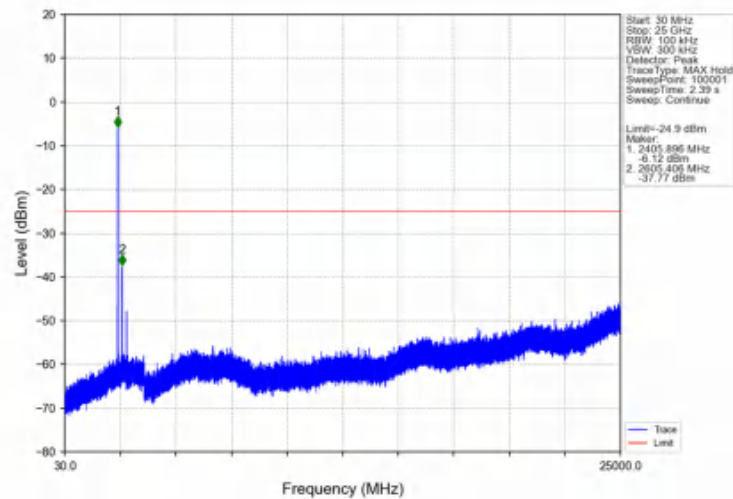
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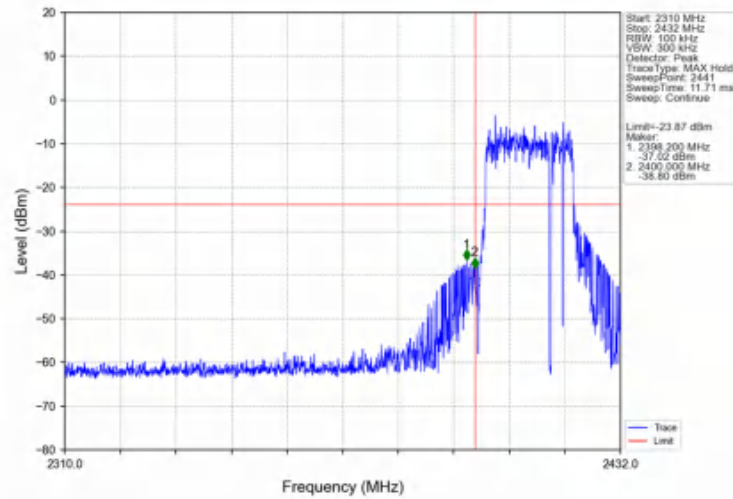
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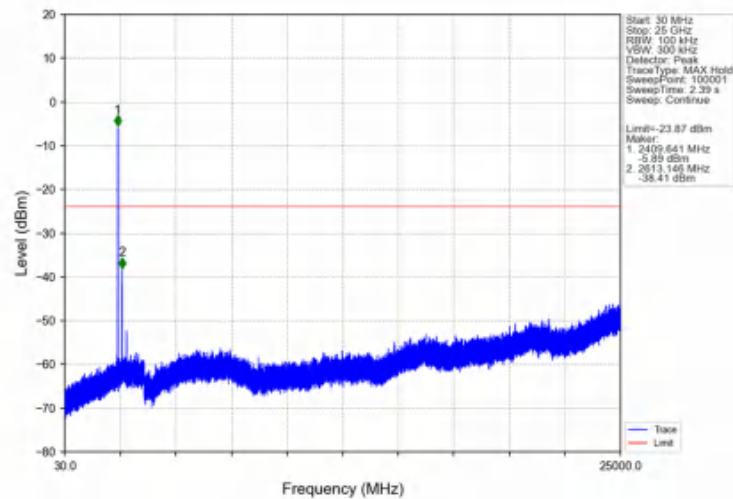
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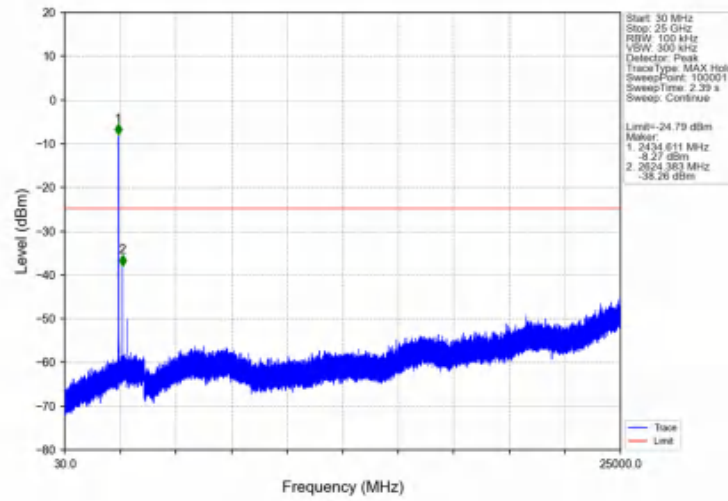
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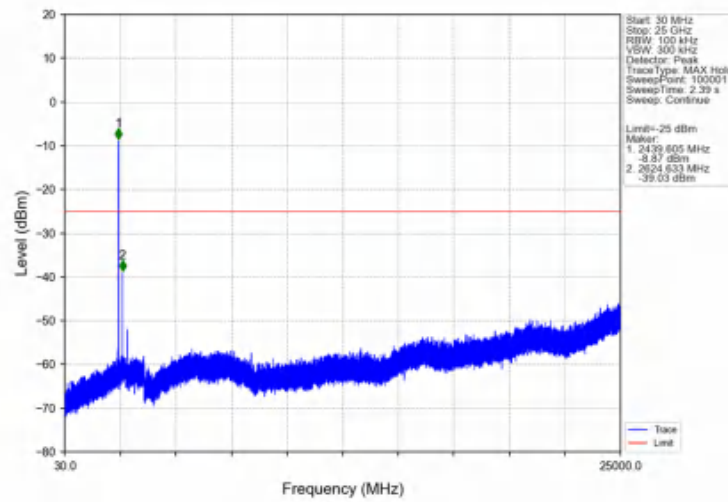
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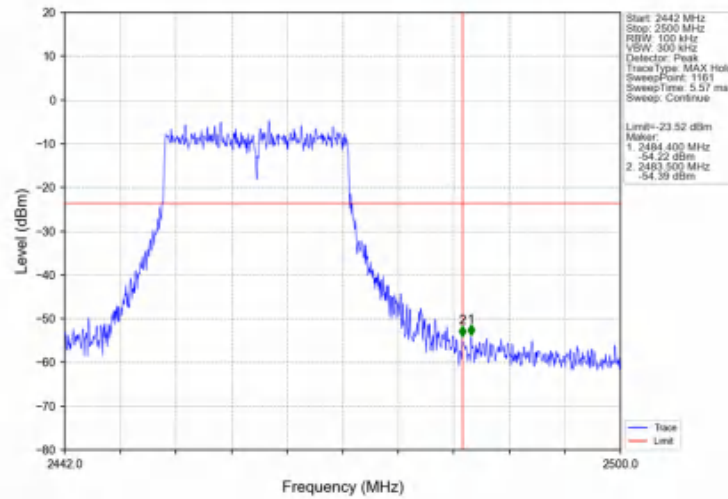
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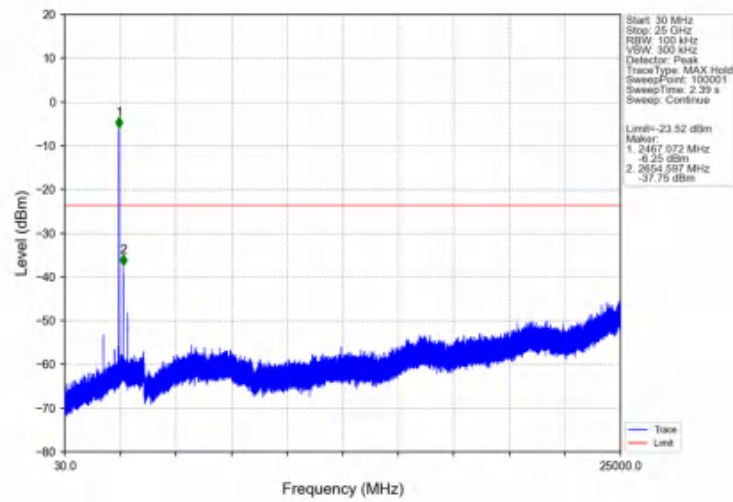
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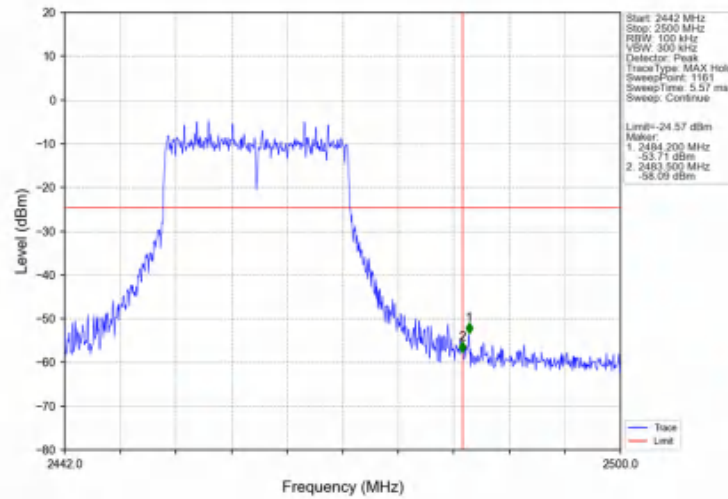
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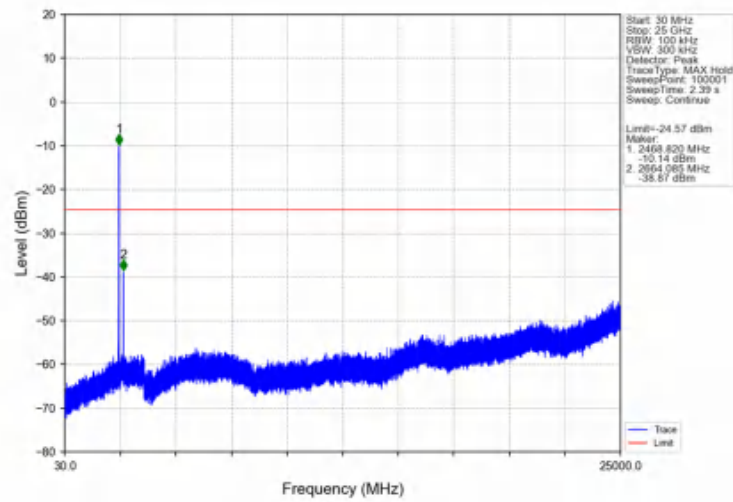
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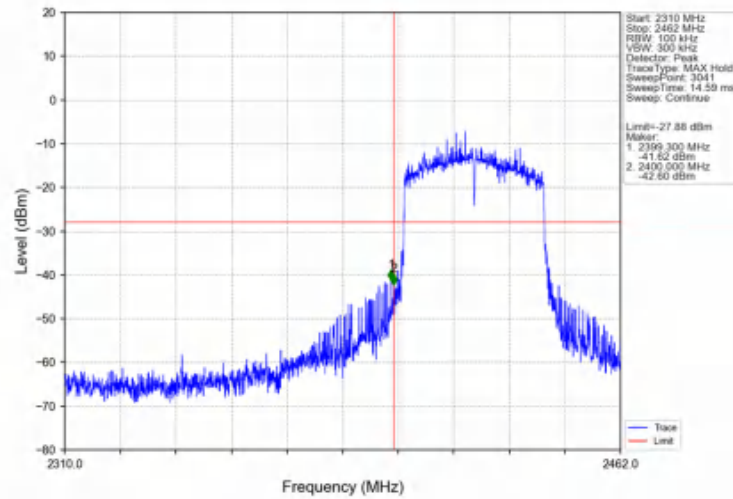
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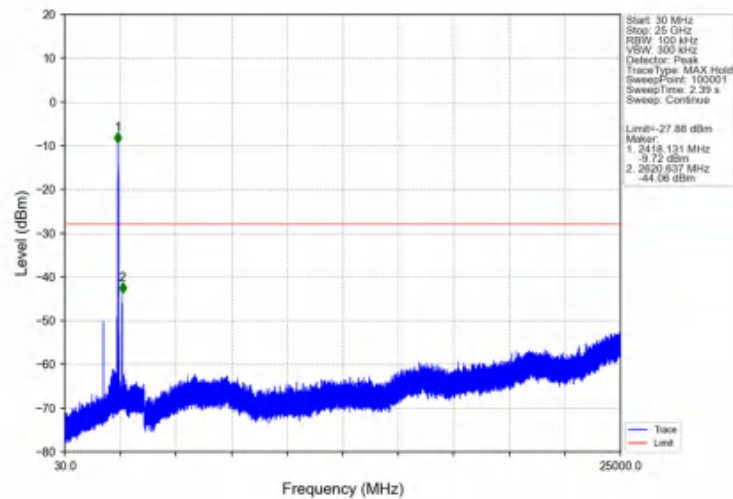
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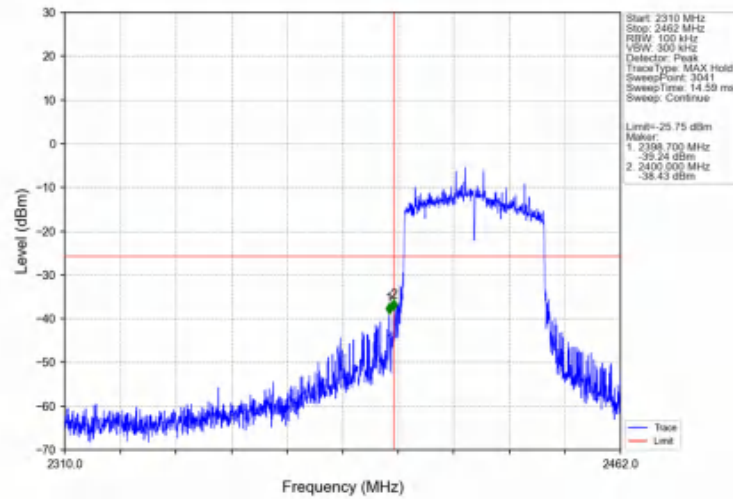
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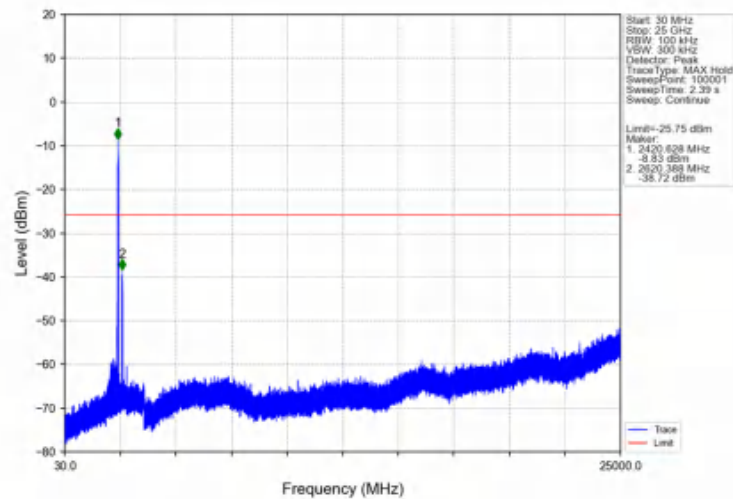
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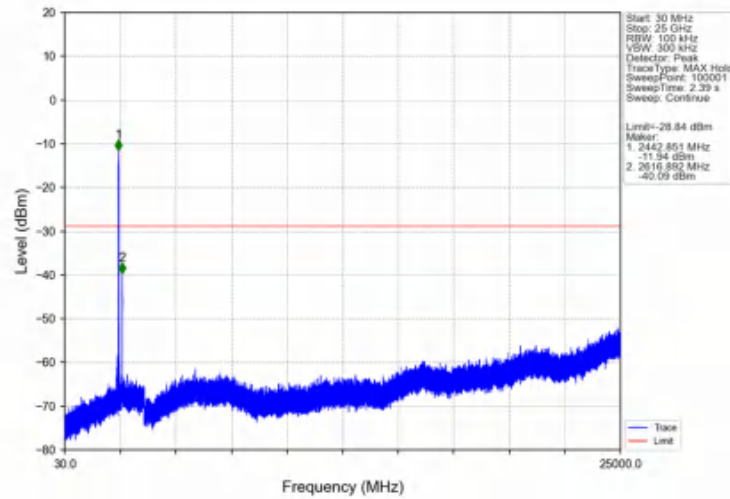
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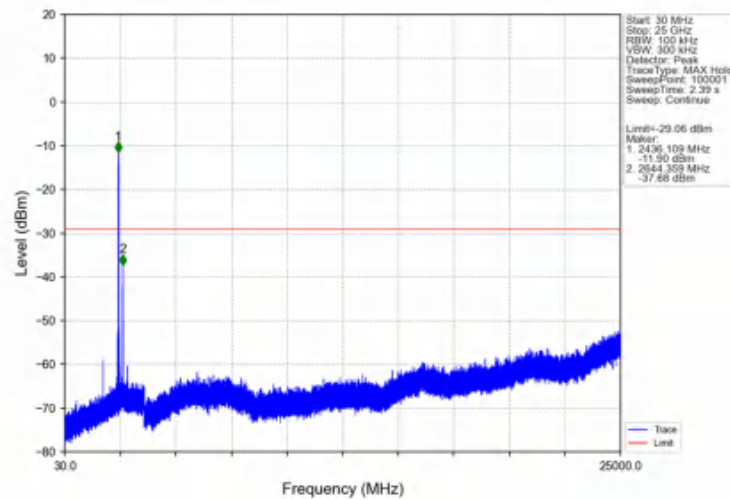
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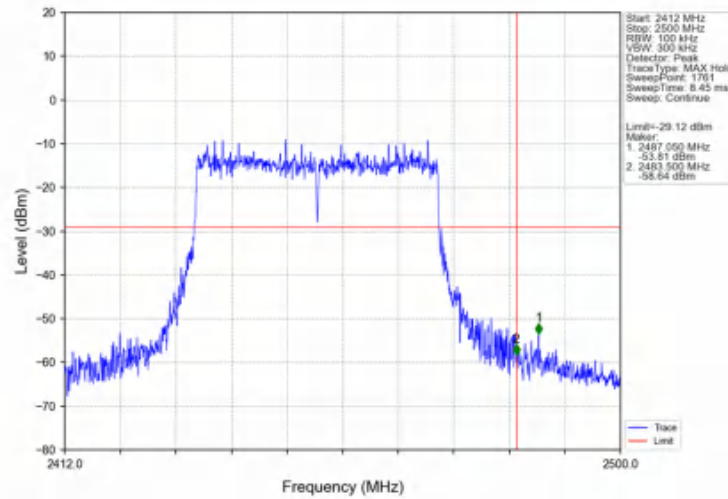
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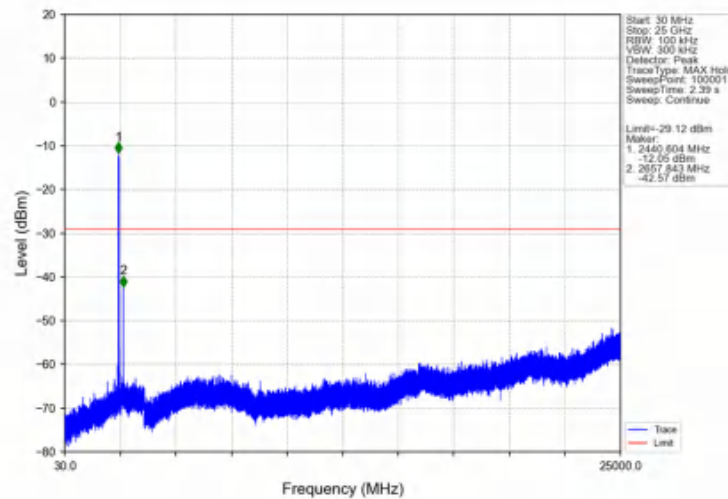
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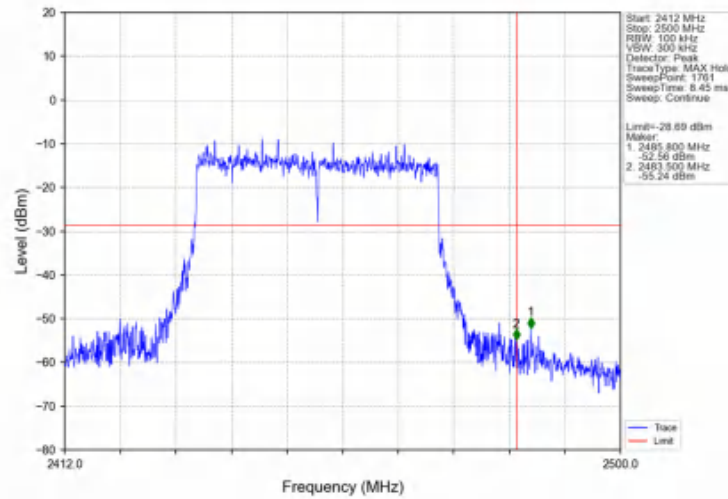
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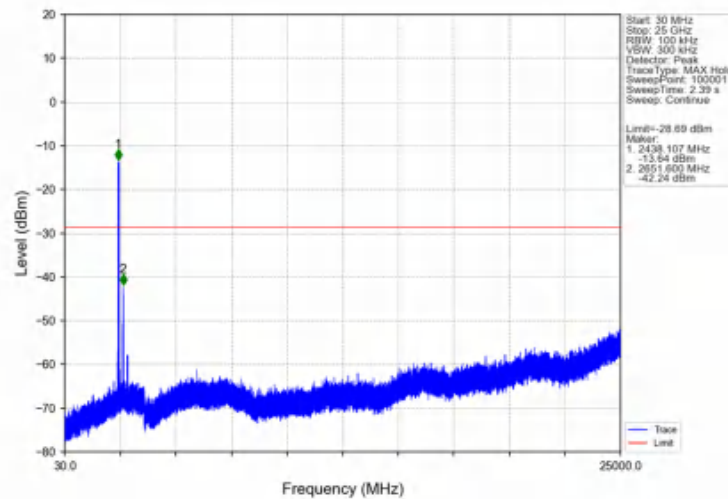
802.11ax(HEW40)_HCH_2452MHz_SU / _Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU_/_Ant2 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_SU_/_Ant2 (MIMO)_NTNV



***** End of Report *****