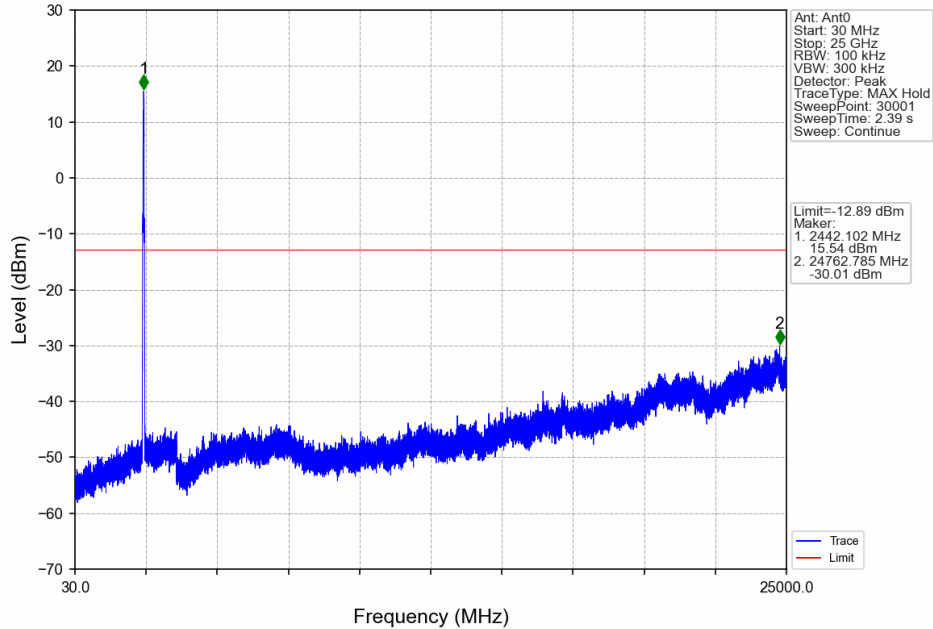
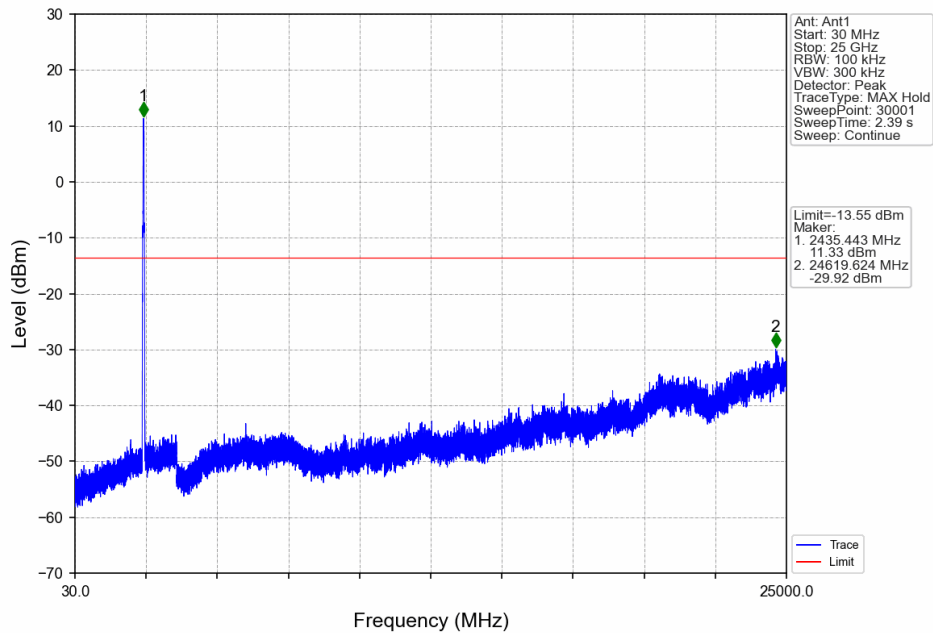


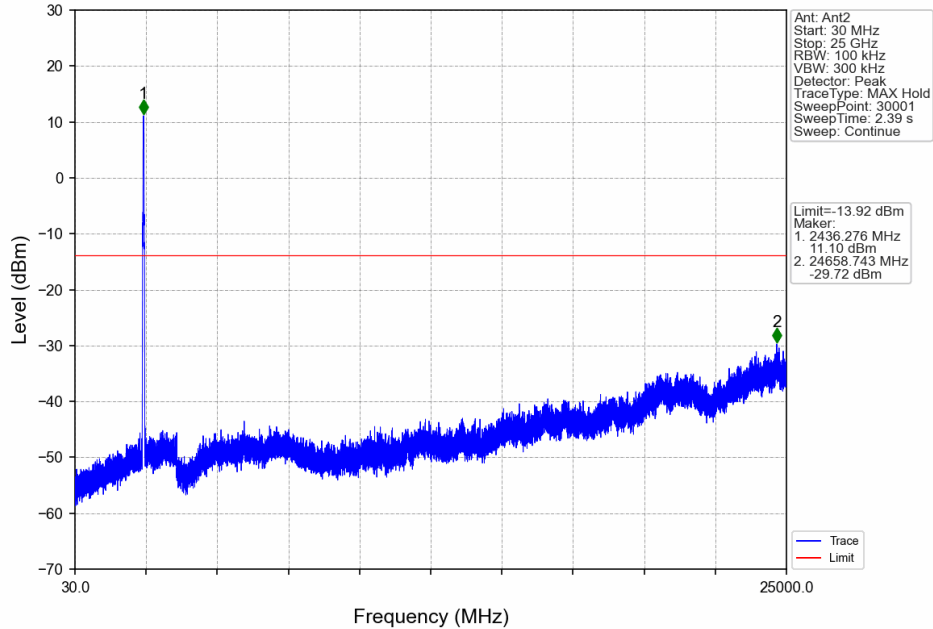
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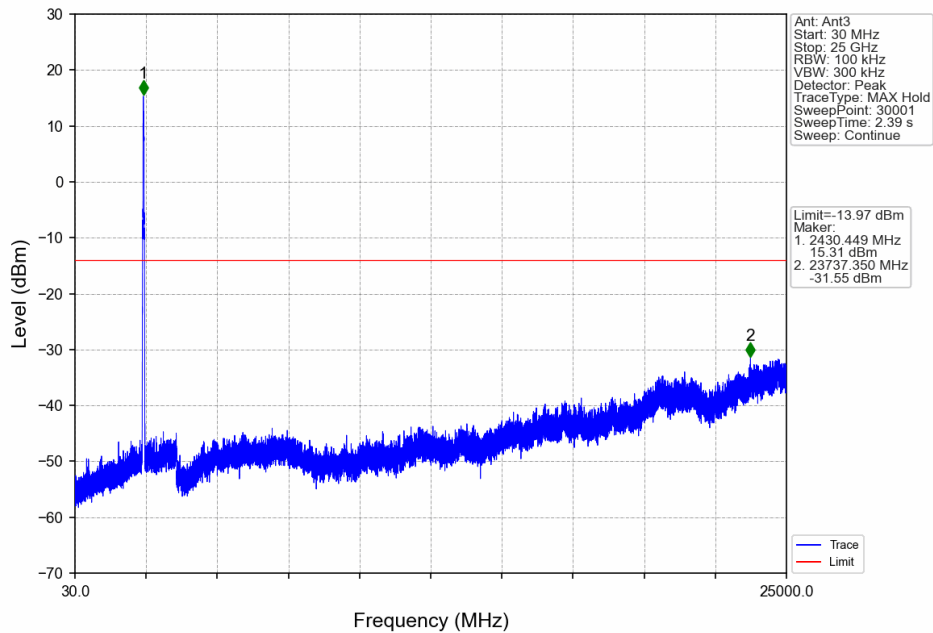
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40M_MCH_2437.5MHz_Ant2_NTNV



40M_MCH_2437.5MHz_Ant3_NTNV



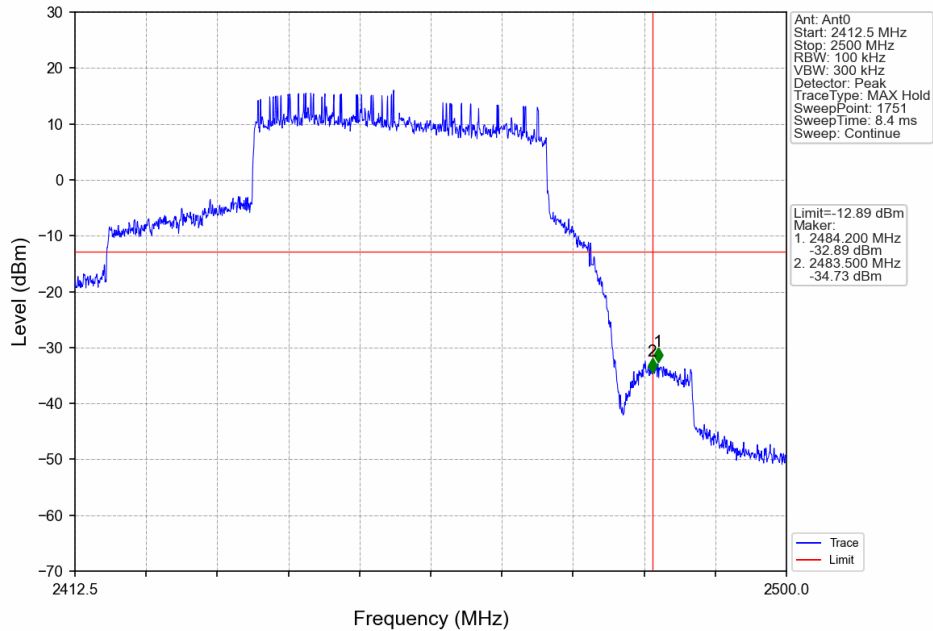
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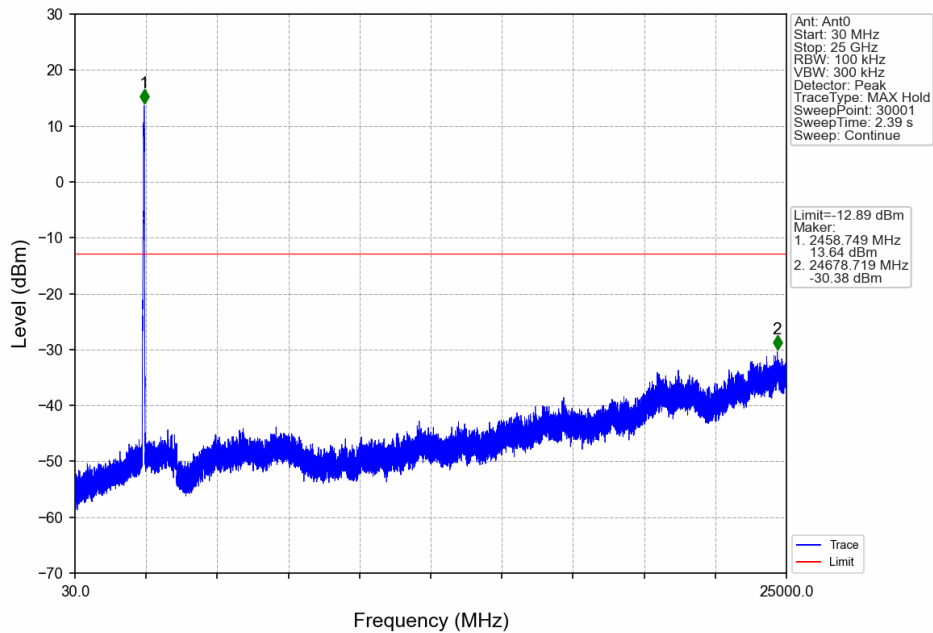
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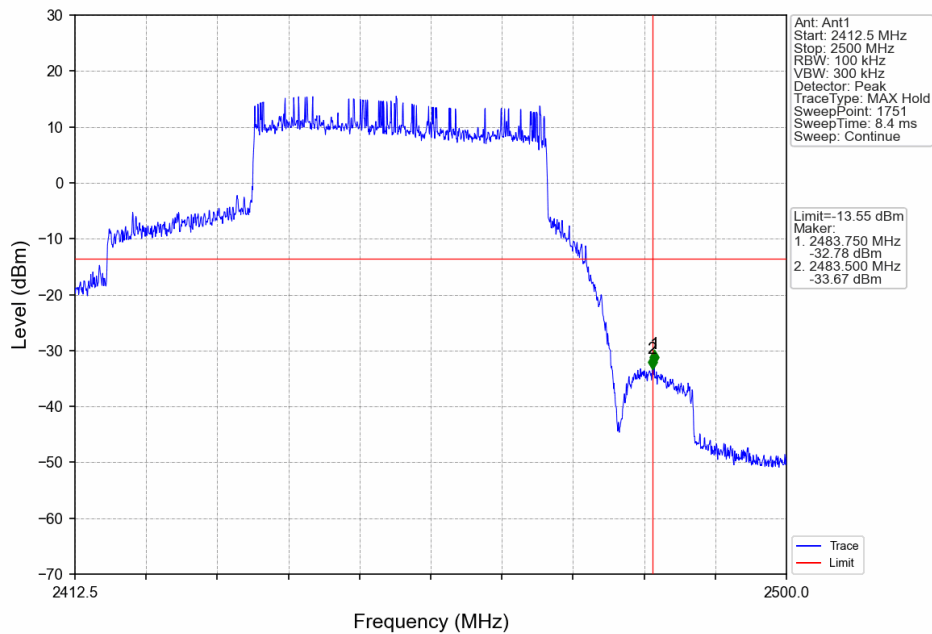
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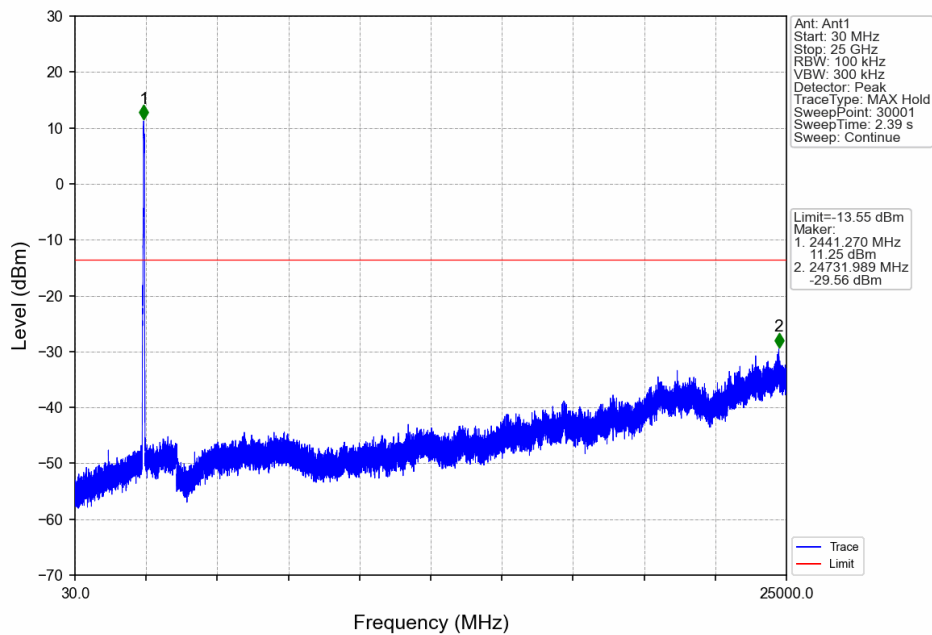
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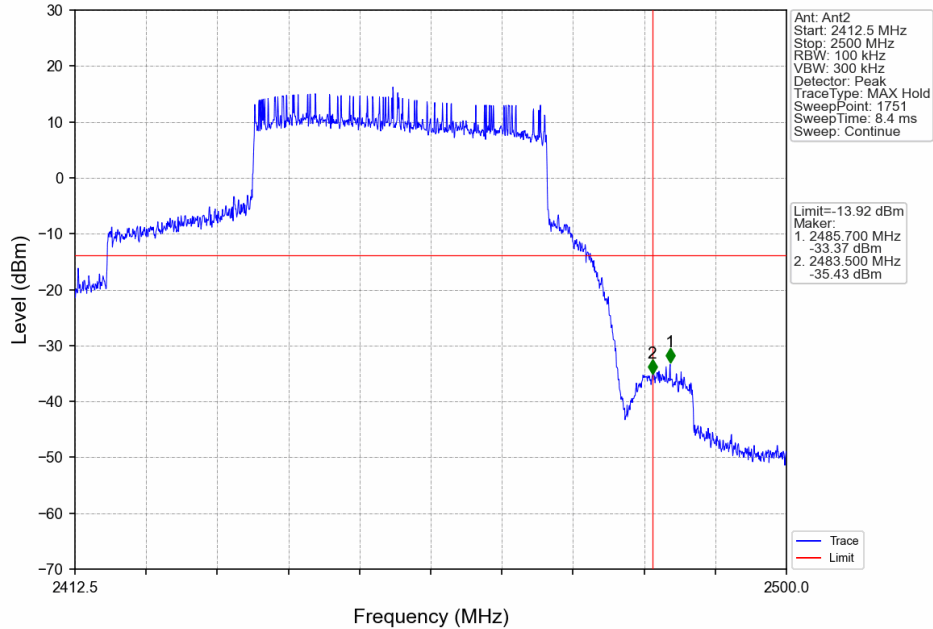
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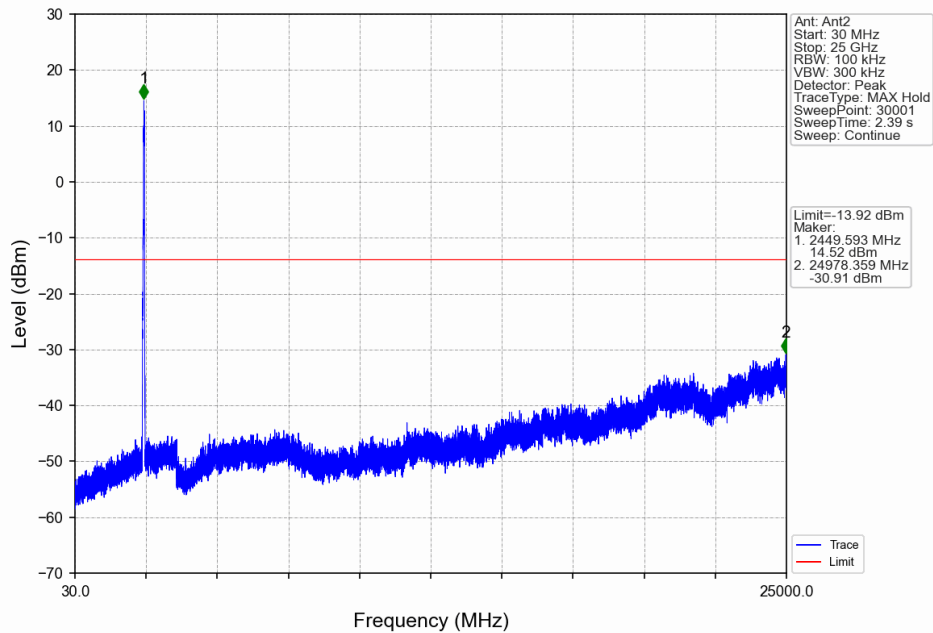
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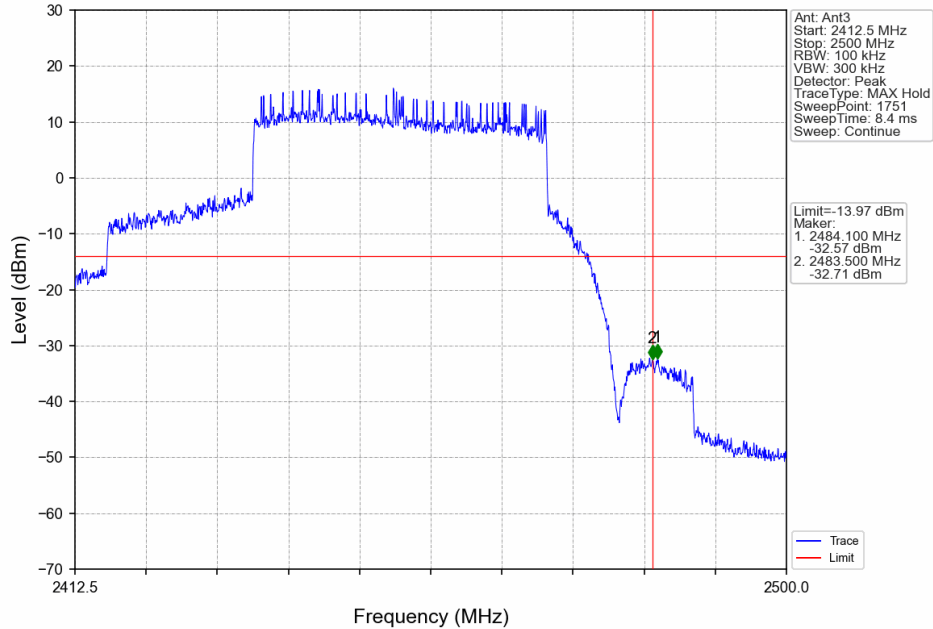
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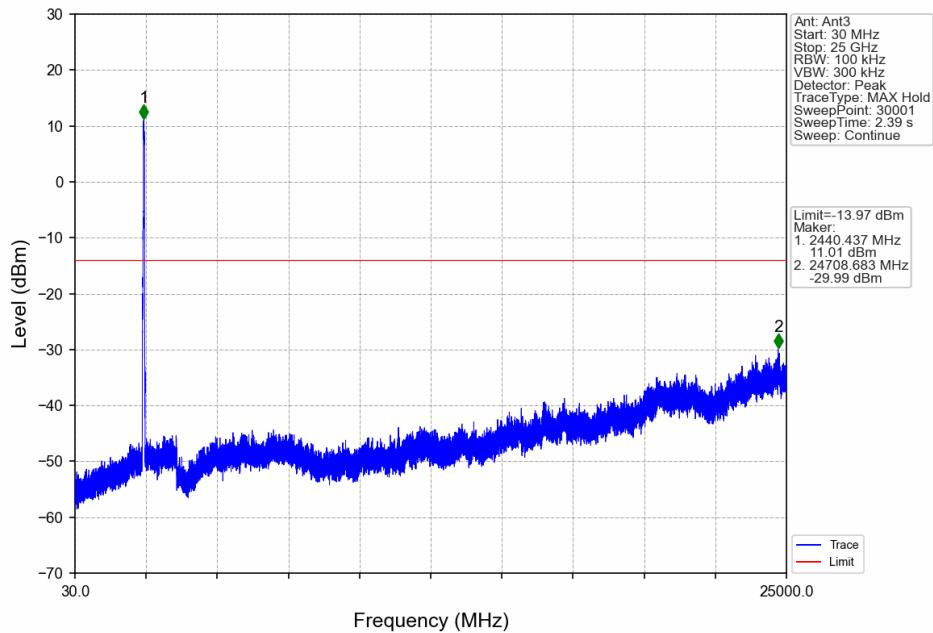
40M_HCH_2452.5MHz_Ant2_NTNV



40M_HCH_2452.5MHz_Ant3_NTNV



40M_HCH_2452.5MHz_Ant3_NTNV



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2.4G SDR MIMO Mode (ANT1 combined ANT2 is the worst-case, only the worst-case test data were reported)

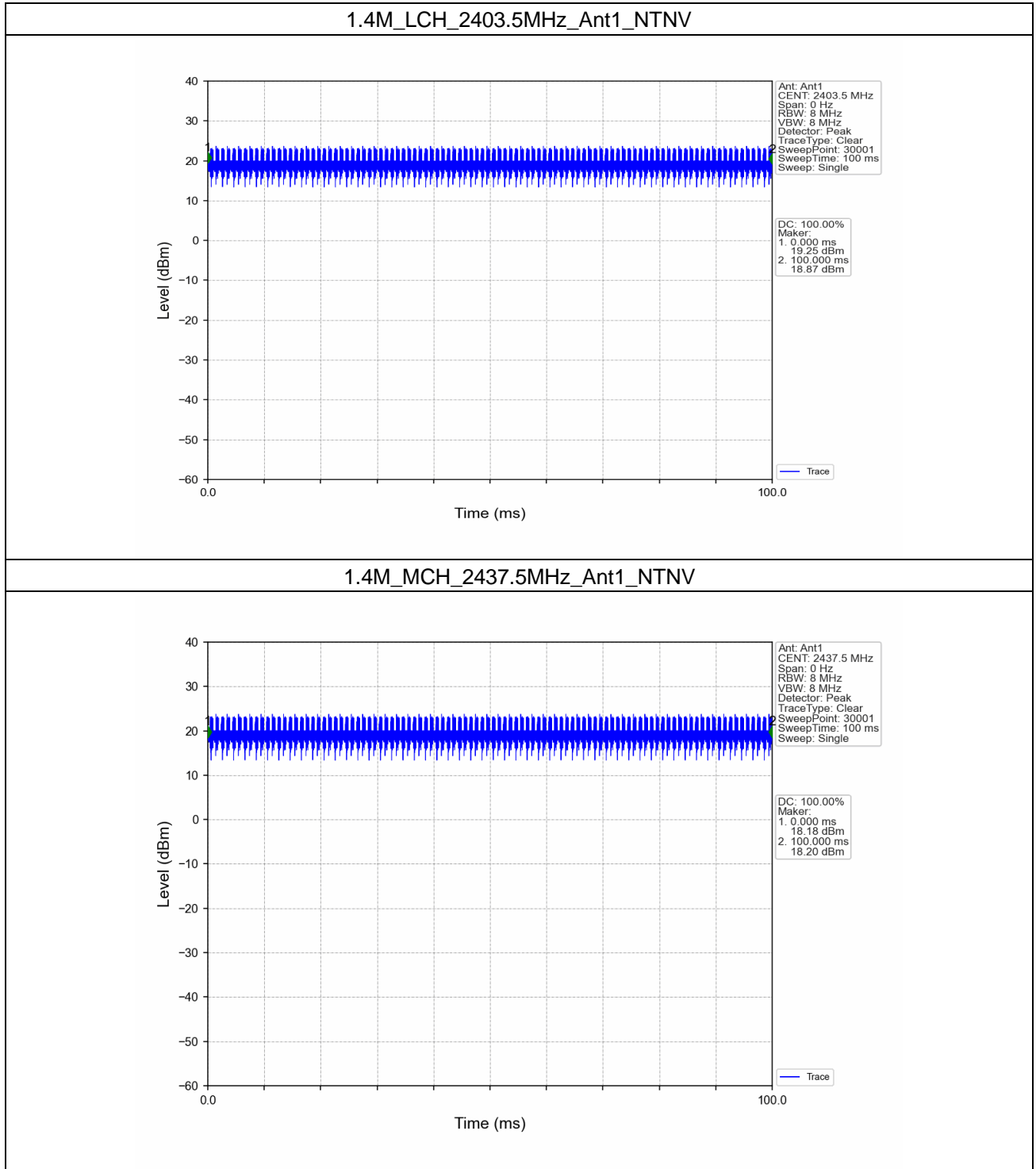
1. Duty Cycle

1.1 Ant1

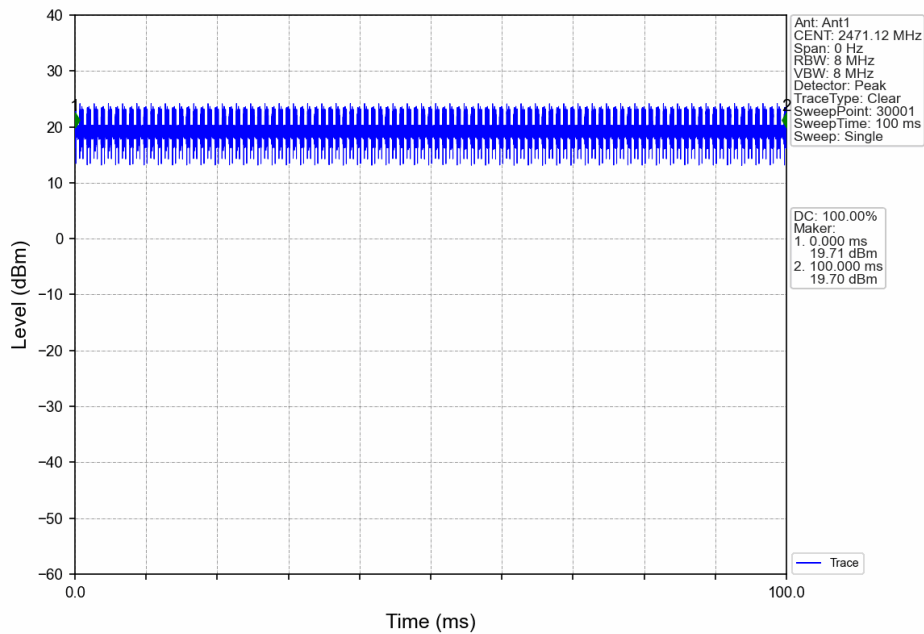
1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1.4M	MIMO	2403.5	100.000	100.000	100.00	0.00	0.00
		2437.5	100.000	100.000	100.00	0.00	0.00
		2471.12	100.000	100.000	100.00	0.00	0.00
3M	MIMO	2405.5	100.000	100.000	100.00	0.00	0.00
		2438.2	100.000	100.000	100.00	0.00	0.00
		2471.2	100.000	100.000	100.00	0.00	0.00
10M	MIMO	2407.5	100.000	100.000	100.00	0.00	0.00
		2437.5	100.000	100.000	100.00	0.00	0.00
		2467.5	100.000	100.000	100.00	0.00	0.00
20M	MIMO	2412.5	100.000	100.000	100.00	0.00	0.00
		2437.5	100.000	100.000	100.00	0.00	0.00
		2462.5	100.000	100.000	100.00	0.00	0.00
40M	MIMO	2422.5	100.000	100.000	100.00	0.00	0.00
		2437.5	100.000	100.000	100.00	0.00	0.00
		2452.5	100.000	100.000	100.00	0.00	0.00

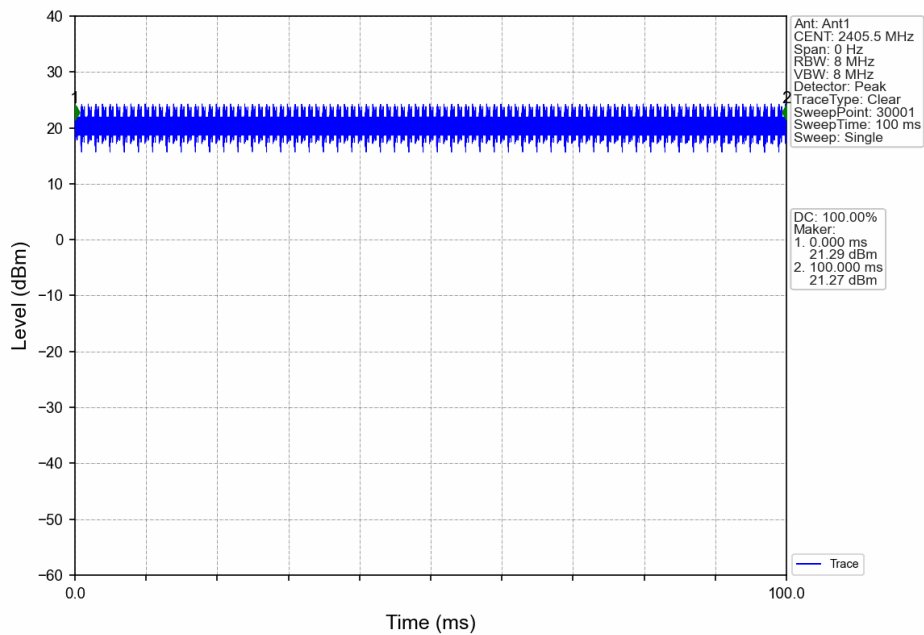
1.1.2 Test Graph



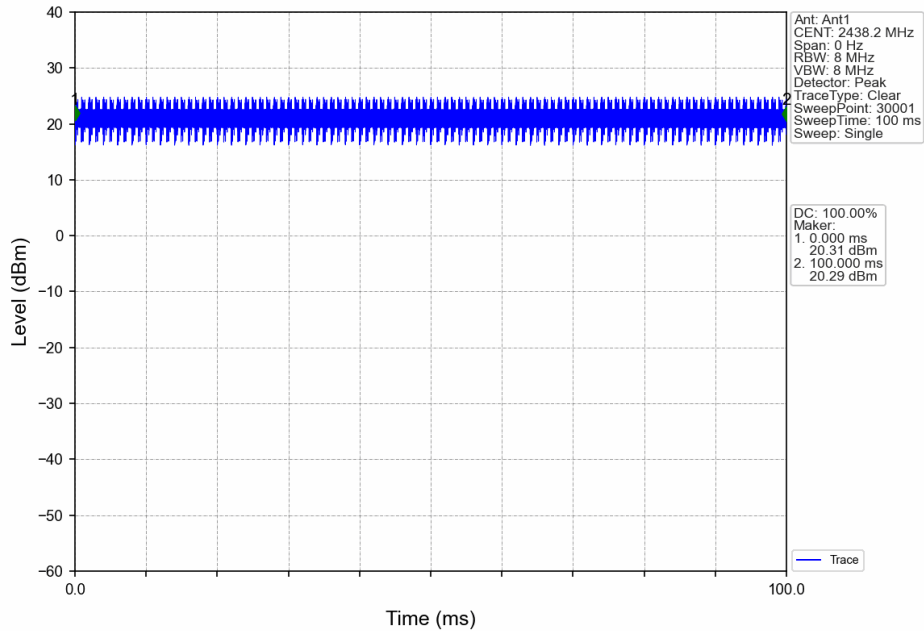
1.4M_HCH_2471.12MHz_Ant1_NTNV



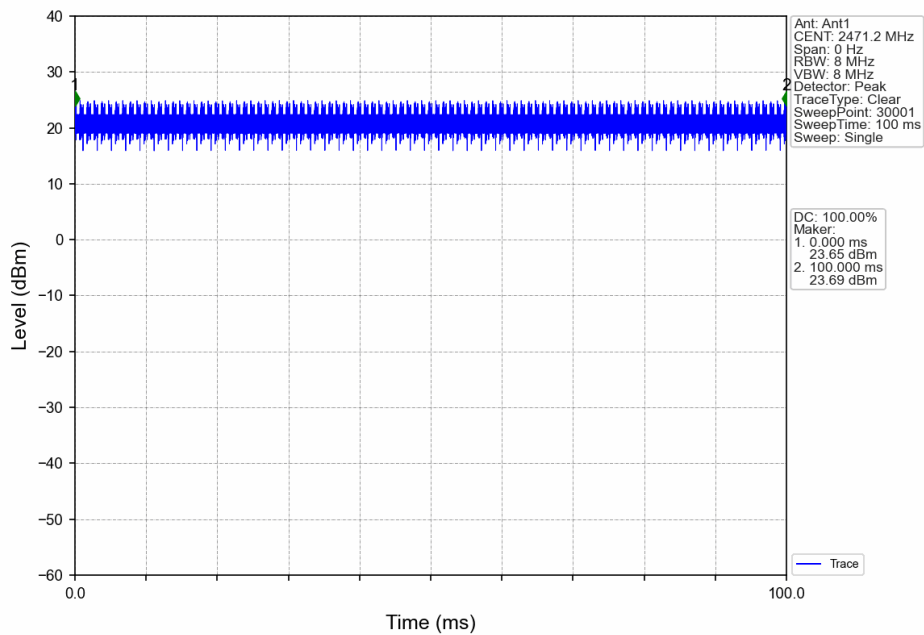
3M_LCH_2405.5MHz_Ant1_NTNV



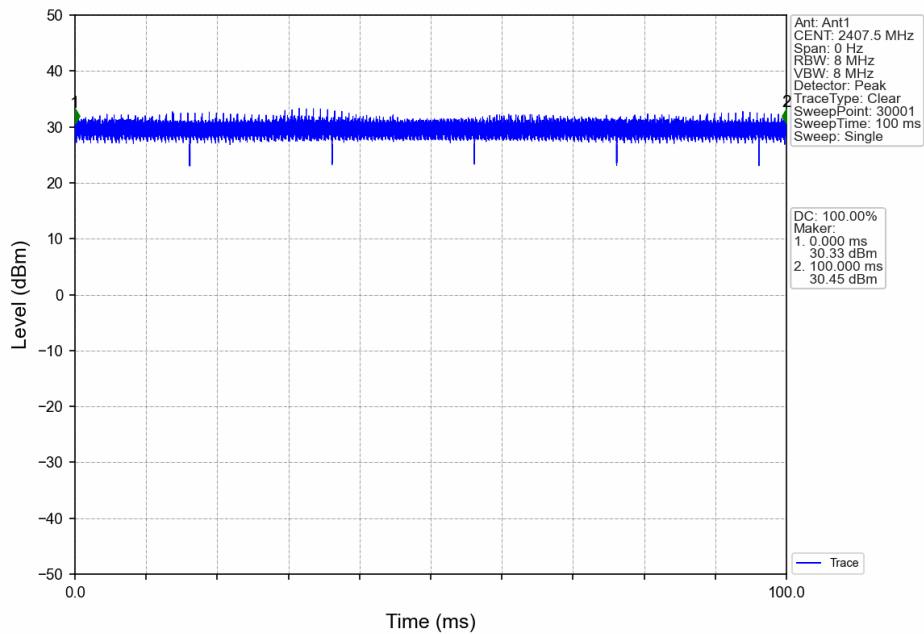
3M_MCH_2438.2MHz_Ant1_NTNV



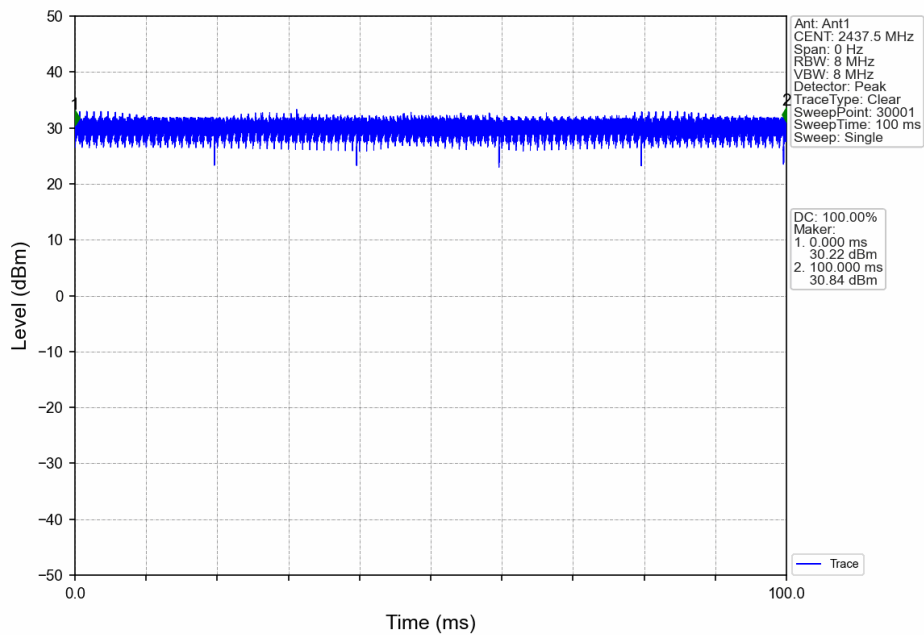
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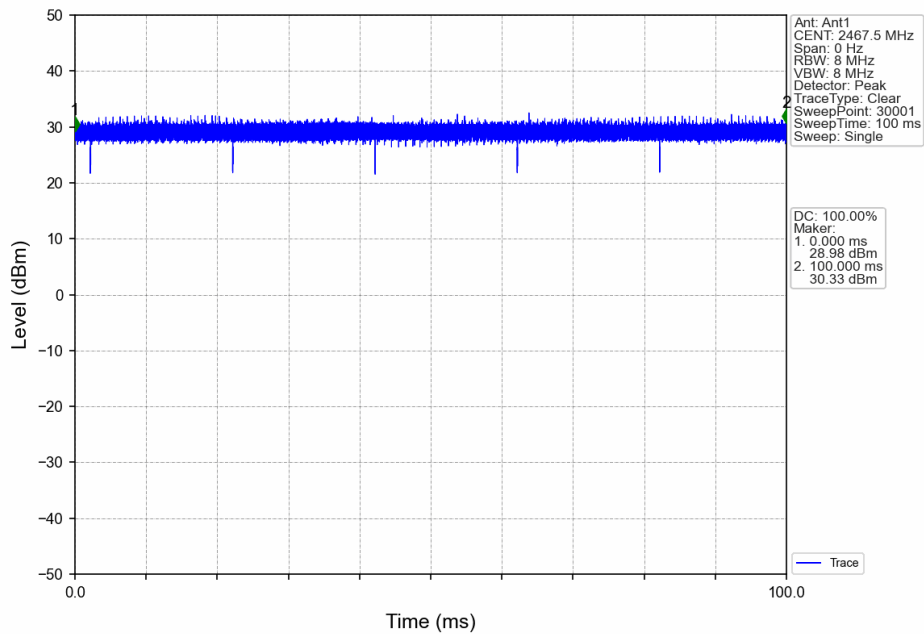
10M_LCH_2407.5MHz_Ant1_NTNV



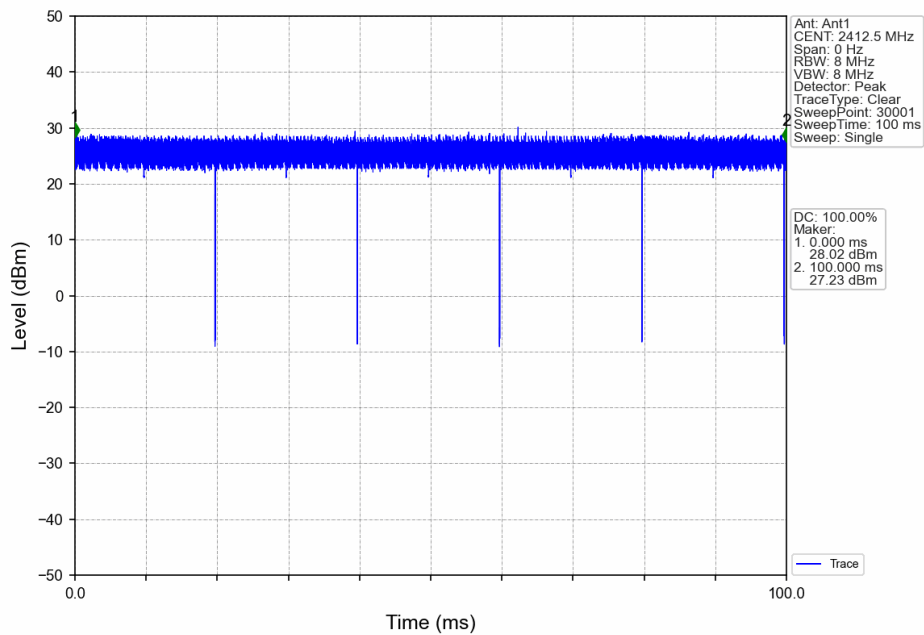
10M_MCH_2437.5MHz_Ant1_NTNV



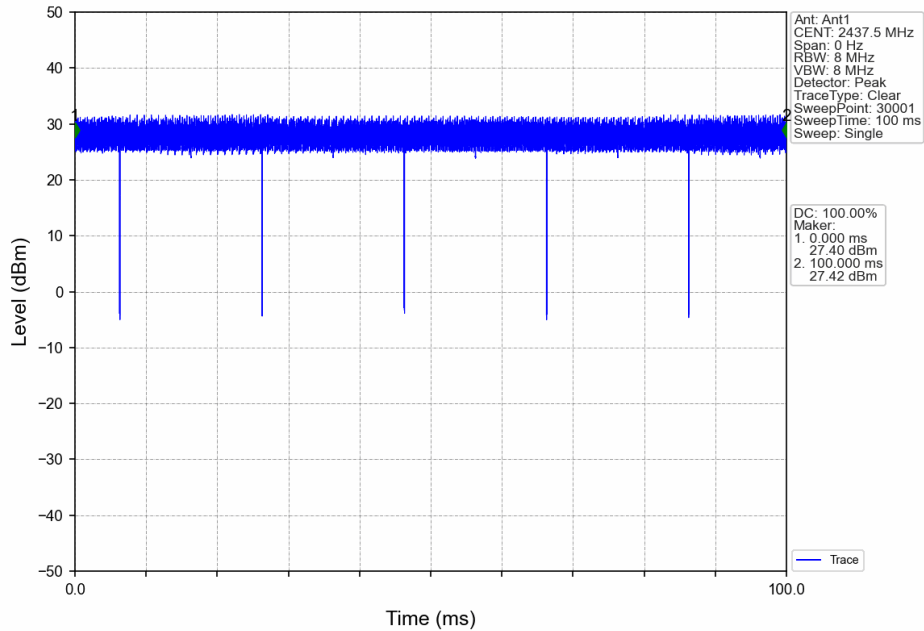
10M_HCH_2467.5MHz_Ant1_NTNV



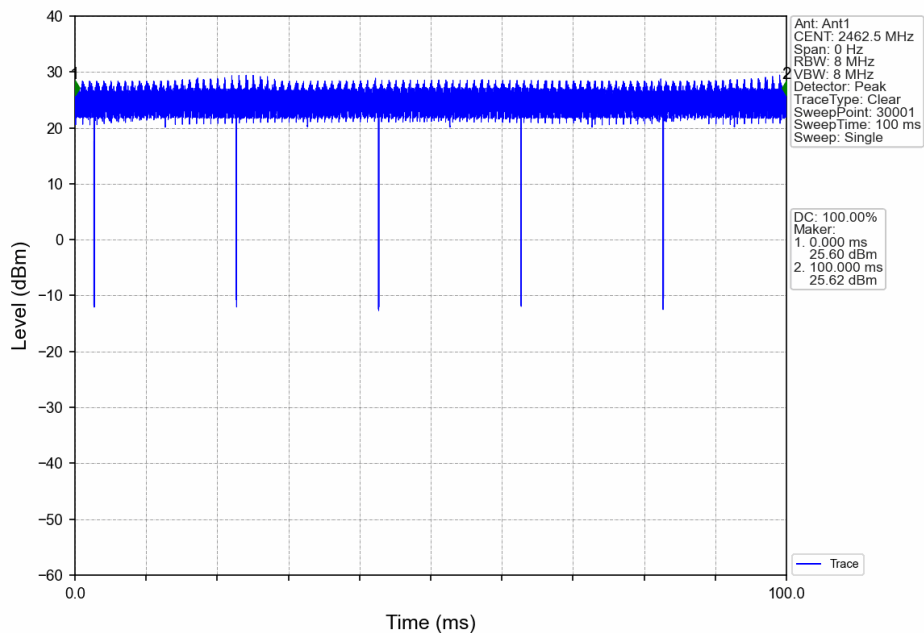
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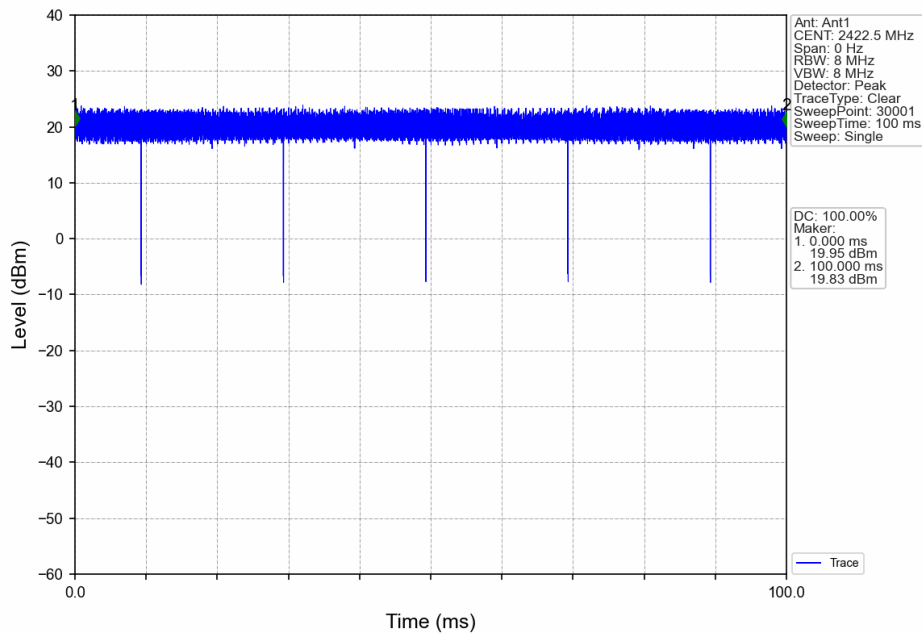
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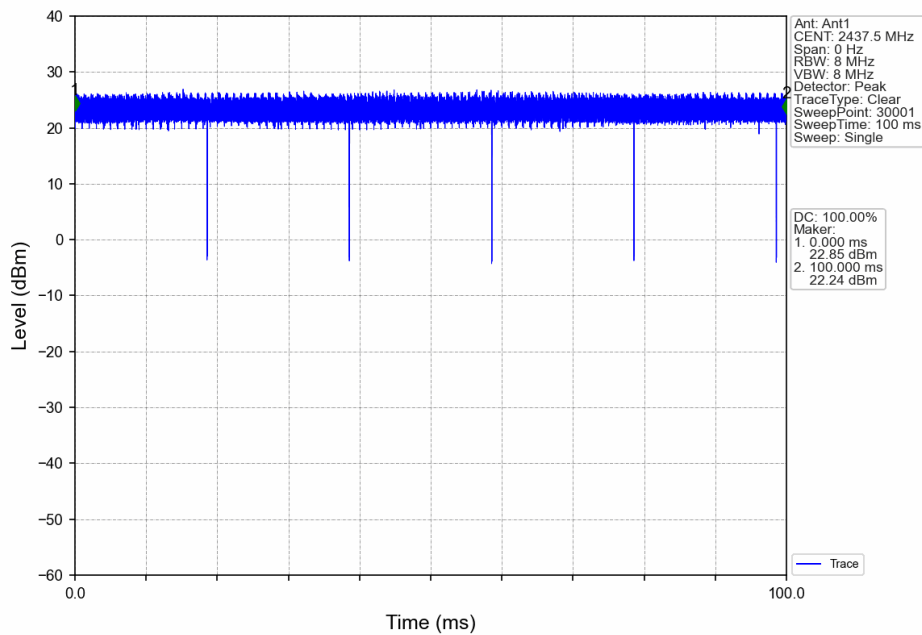
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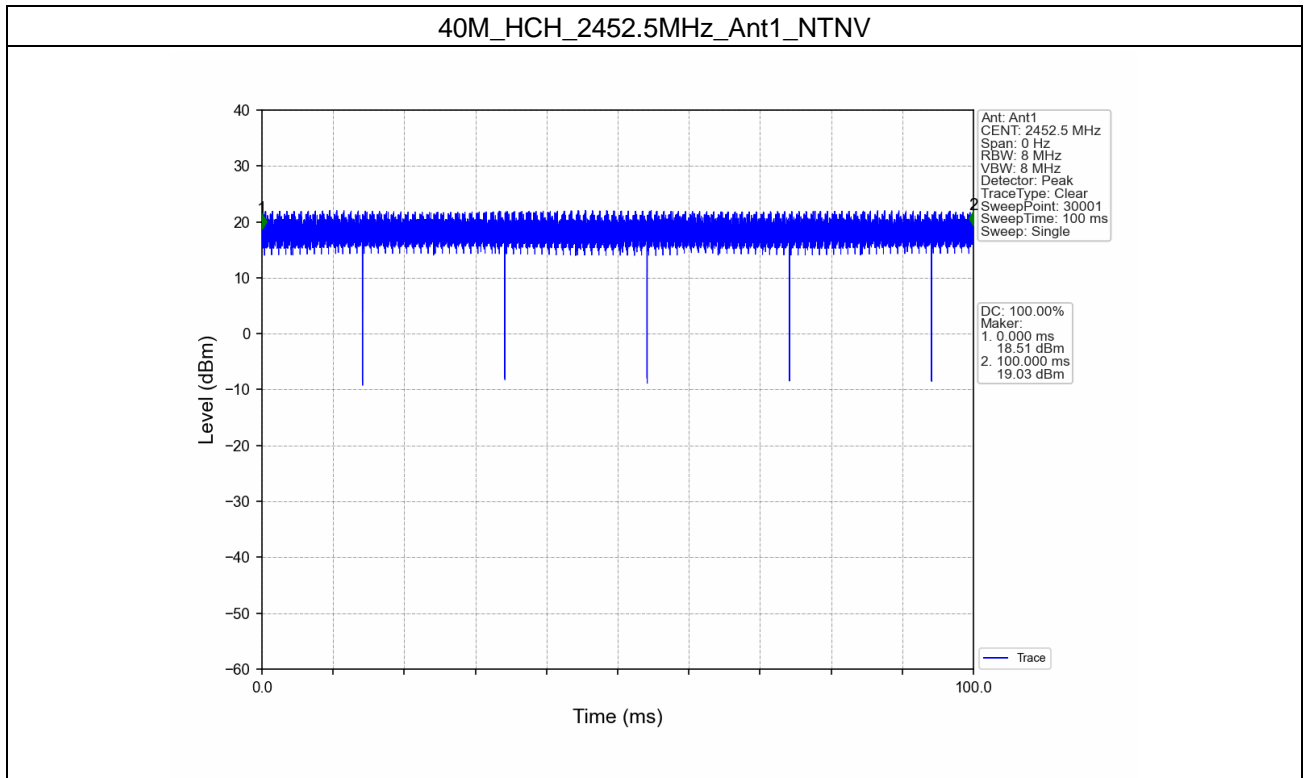


40M_LCH_2422.5MHz_Ant1_NTNV



40M_MCH_2437.5MHz_Ant1_NTNV





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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR230900320402

Page: 235 of 319

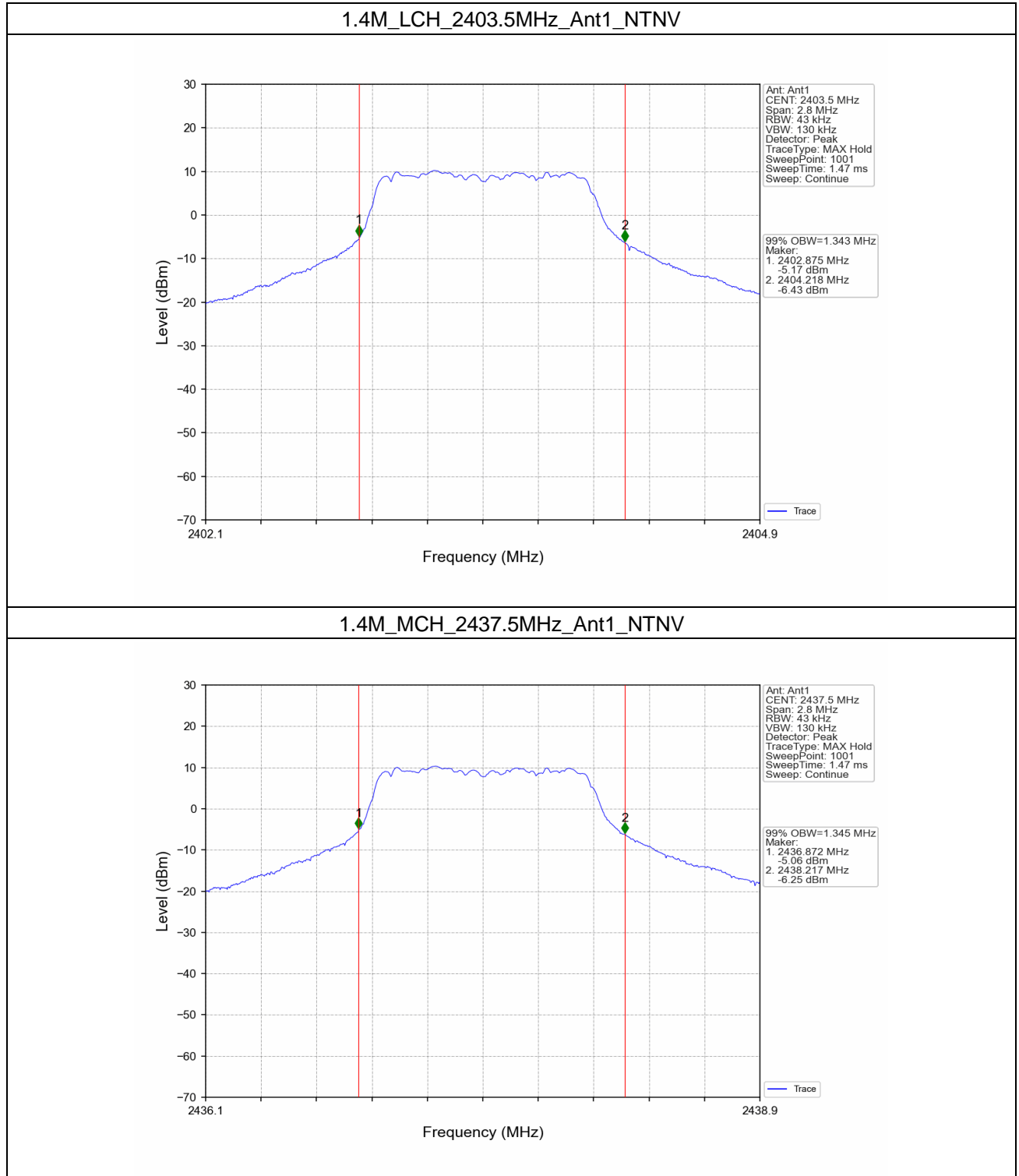
2. Bandwidth

2.1 OBW

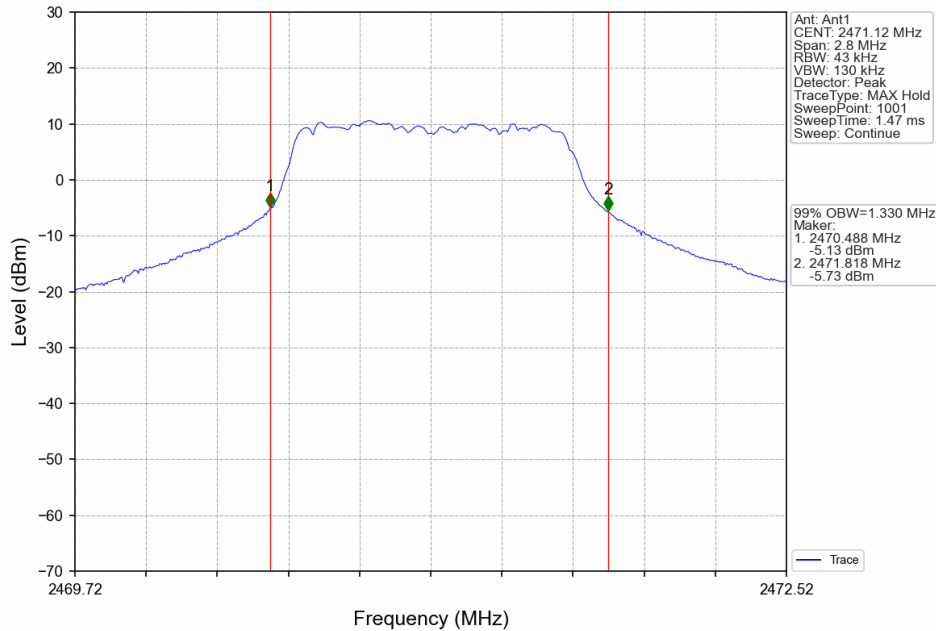
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1.4M	MIMO	2403.5	1	1.343	/	Pass
		2437.5	1	1.345	/	Pass
		2471.12	1	1.330	/	Pass
3M	MIMO	2405.5	1	2.319	/	Pass
		2438.2	1	2.324	/	Pass
		2471.2	1	2.299	/	Pass
10M	MIMO	2407.5	1	9.016	/	Pass
		2437.5	1	9.020	/	Pass
		2467.5	1	8.969	/	Pass
20M	MIMO	2412.5	1	17.936	/	Pass
		2437.5	1	17.943	/	Pass
		2462.5	1	17.917	/	Pass
40M	MIMO	2422.5	1	36.402	/	Pass
		2437.5	1	36.274	/	Pass
		2452.5	1	36.182	/	Pass

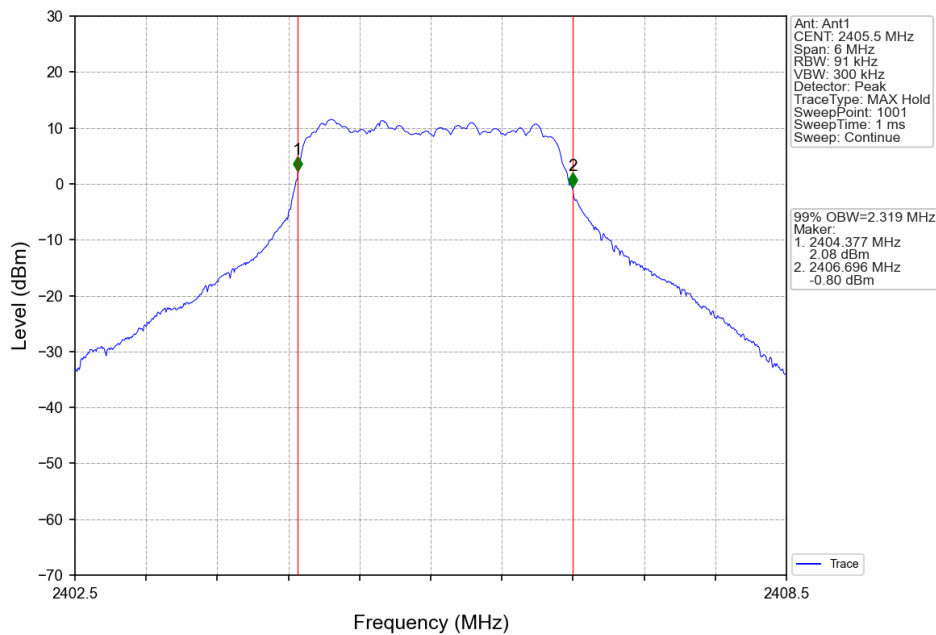
2.1.2 Test Graph



1.4M_HCH_2471.12MHz_Ant1_NTNV



3M_LCH_2405.5MHz_Ant1_NTNV



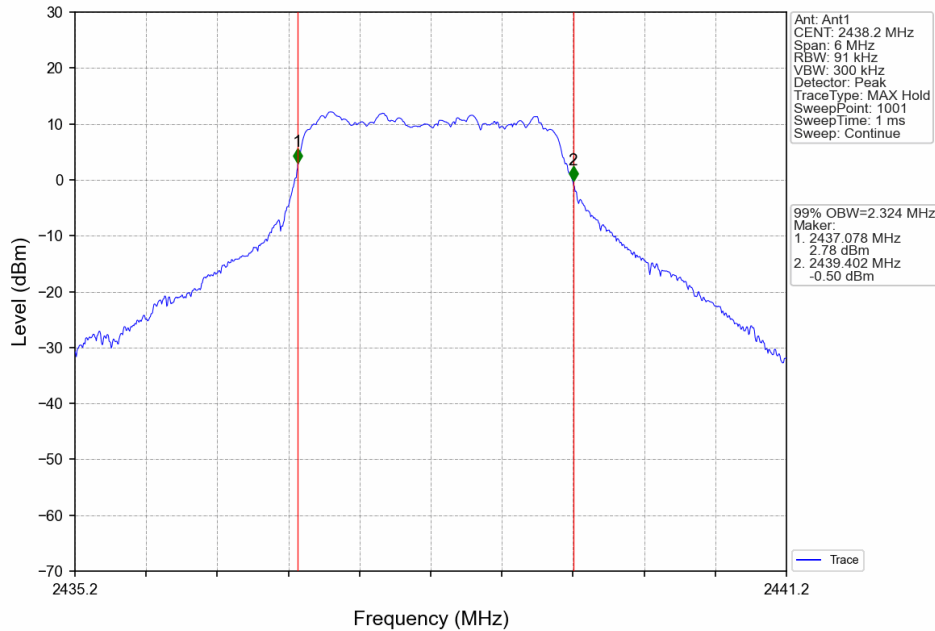
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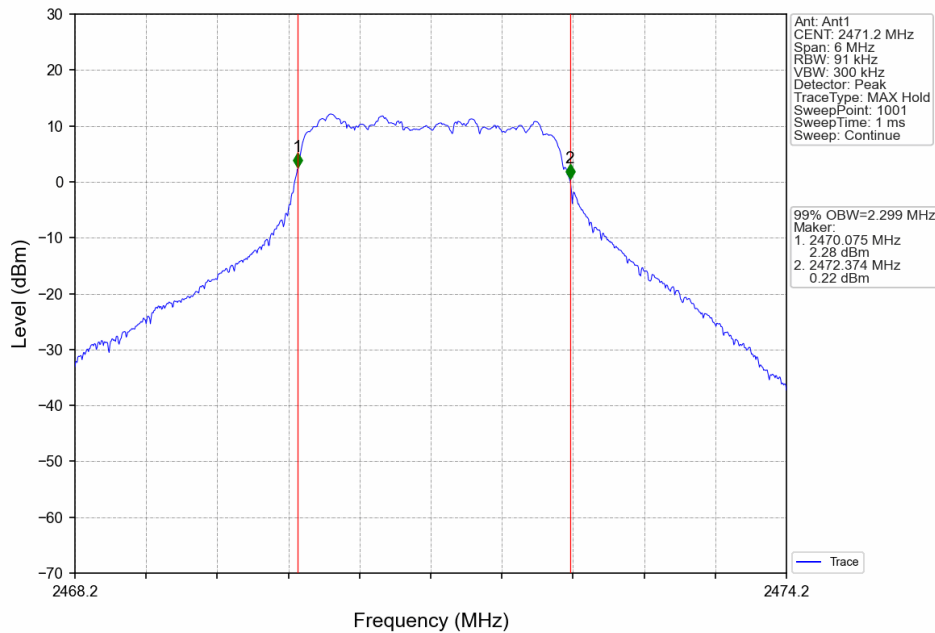
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3M_MCH_2438.2MHz_Ant1_NTNV



3M_HCH_2471.2MHz_Ant1_NTNV



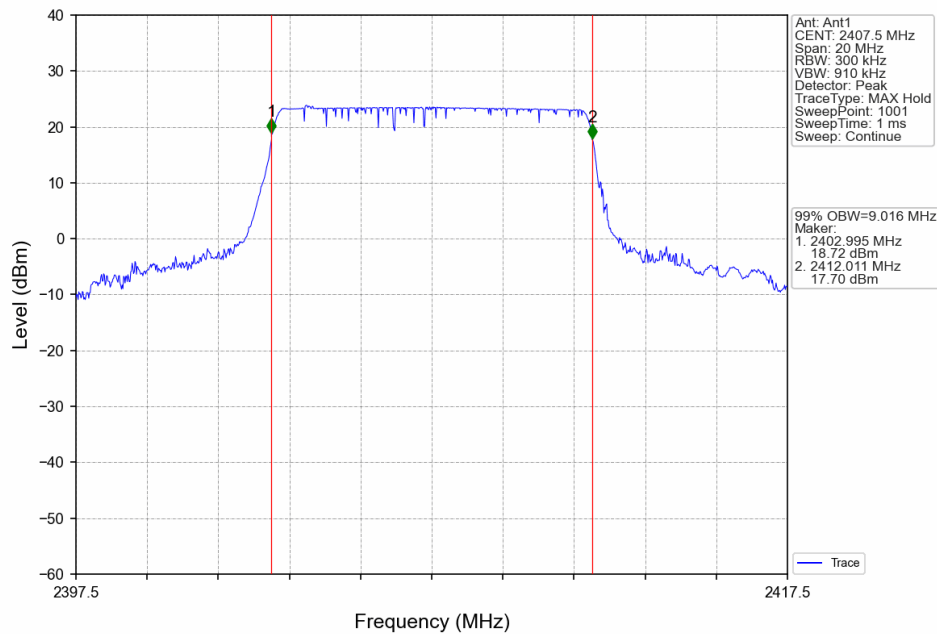
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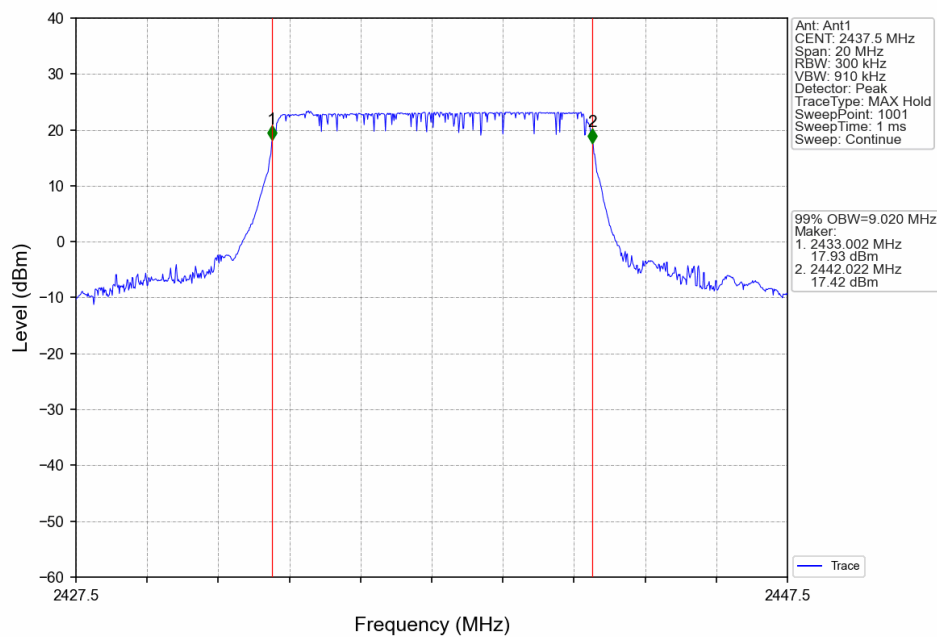
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10M_LCH_2407.5MHz_Ant1_NTNV



10M_MCH_2437.5MHz_Ant1_NTNV



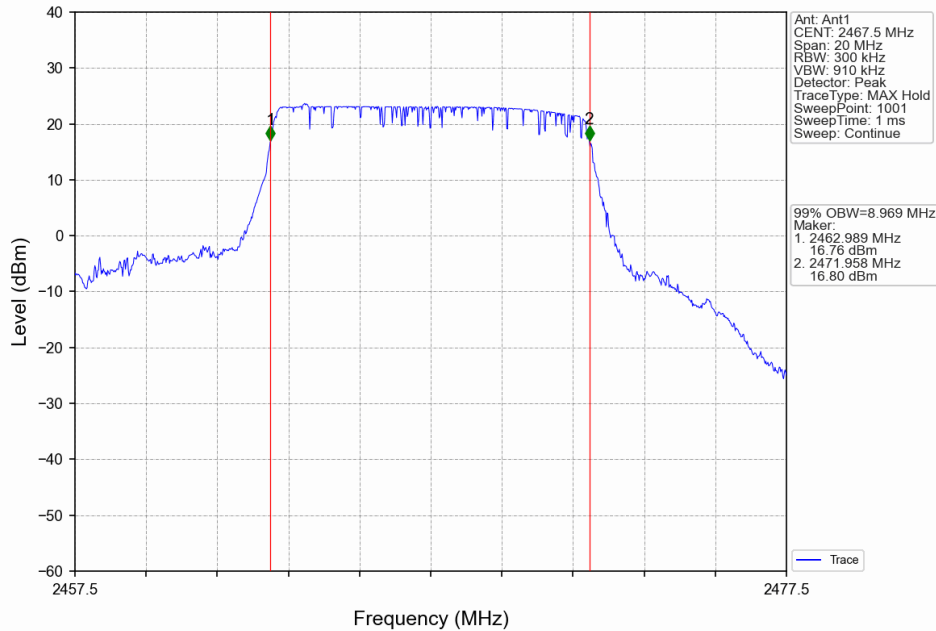
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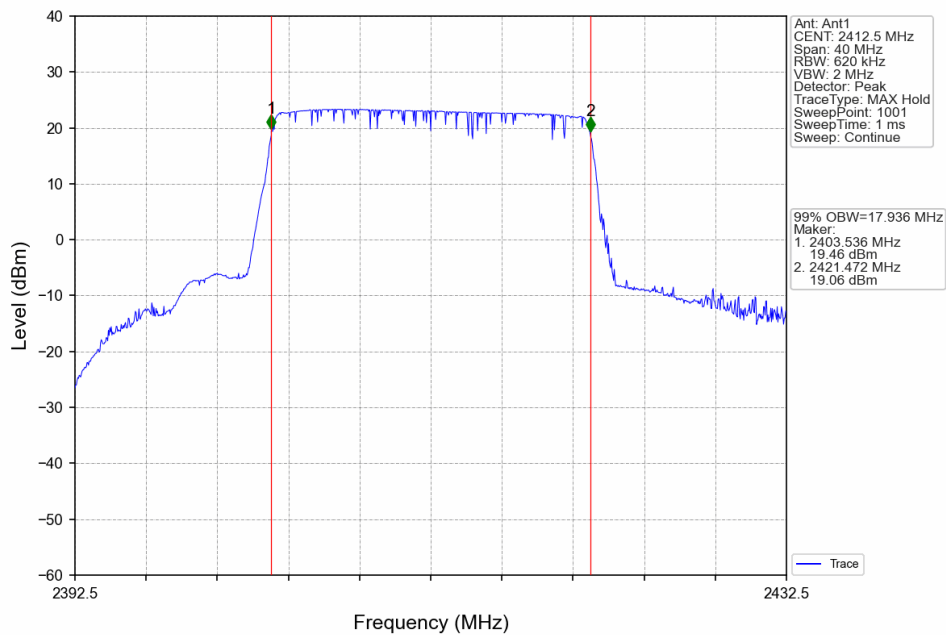
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10M_HCH_2467.5MHz_Ant1_NTNV



20M_LCH_2412.5MHz_Ant1_NTNV



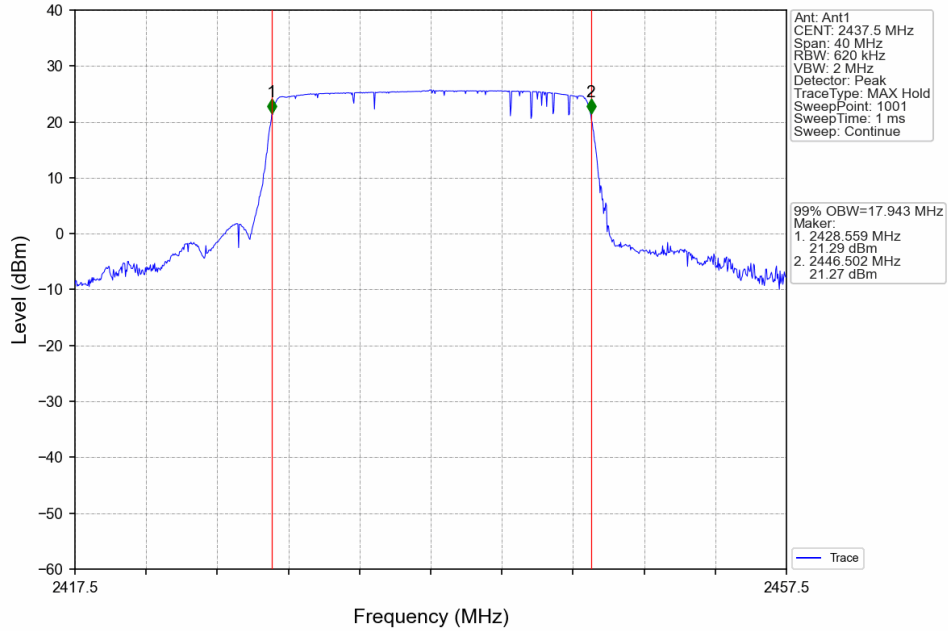
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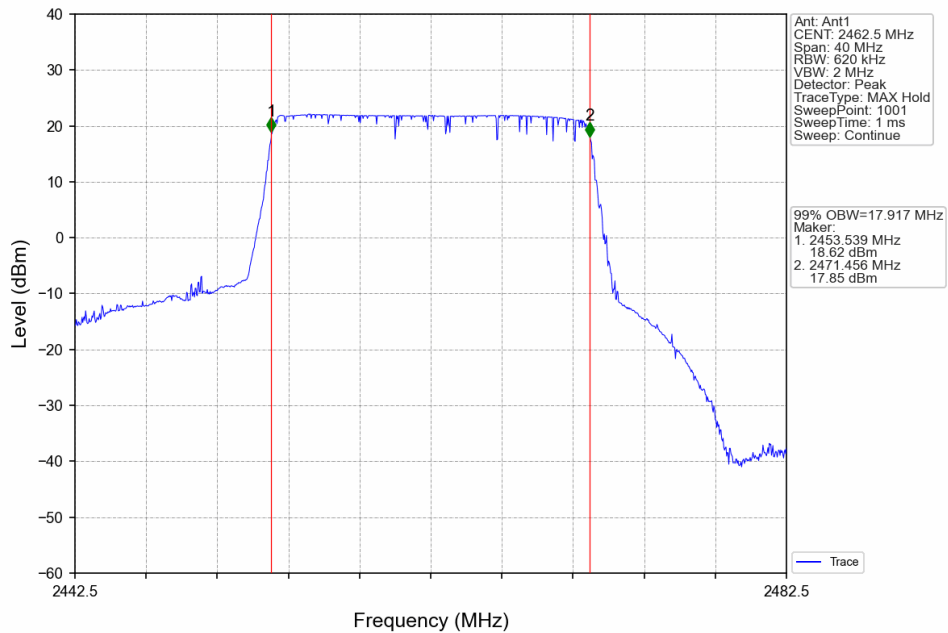
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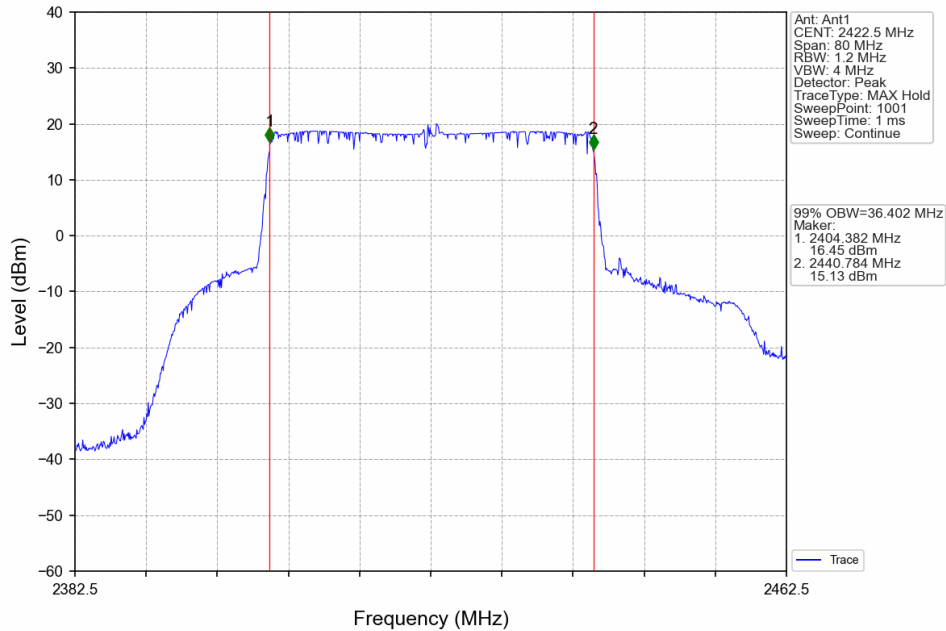
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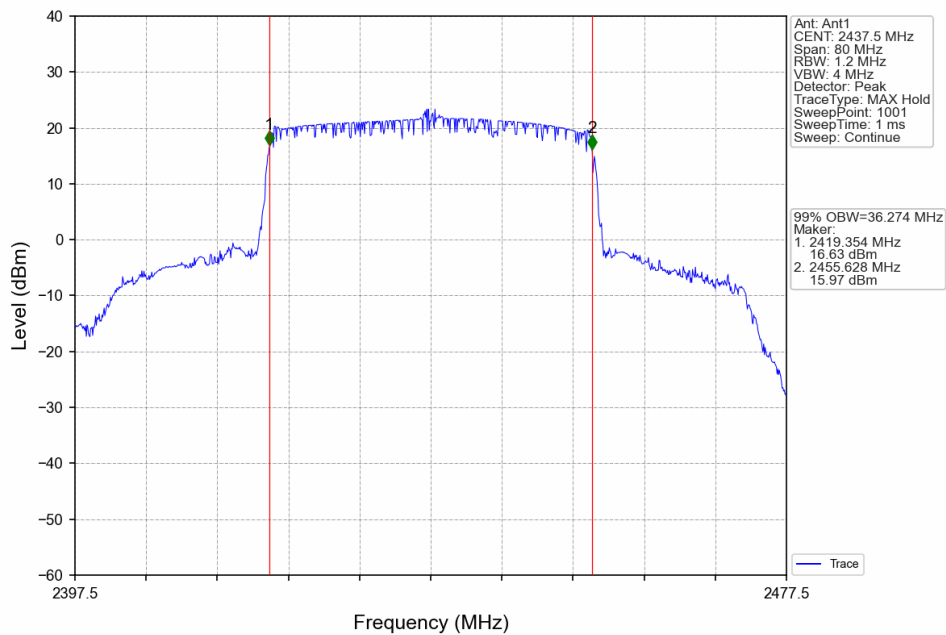
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40M_LCH_2422.5MHz_Ant1_NTNV



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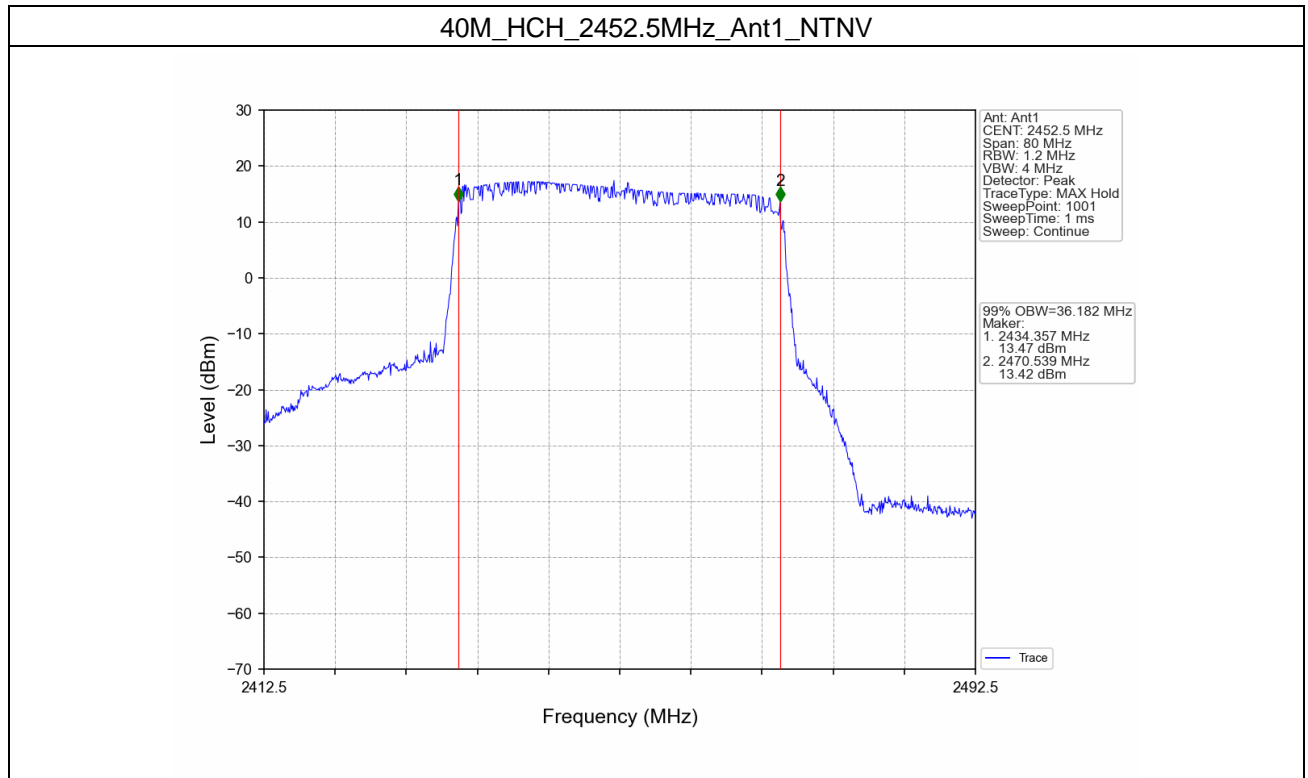


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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR230900320402

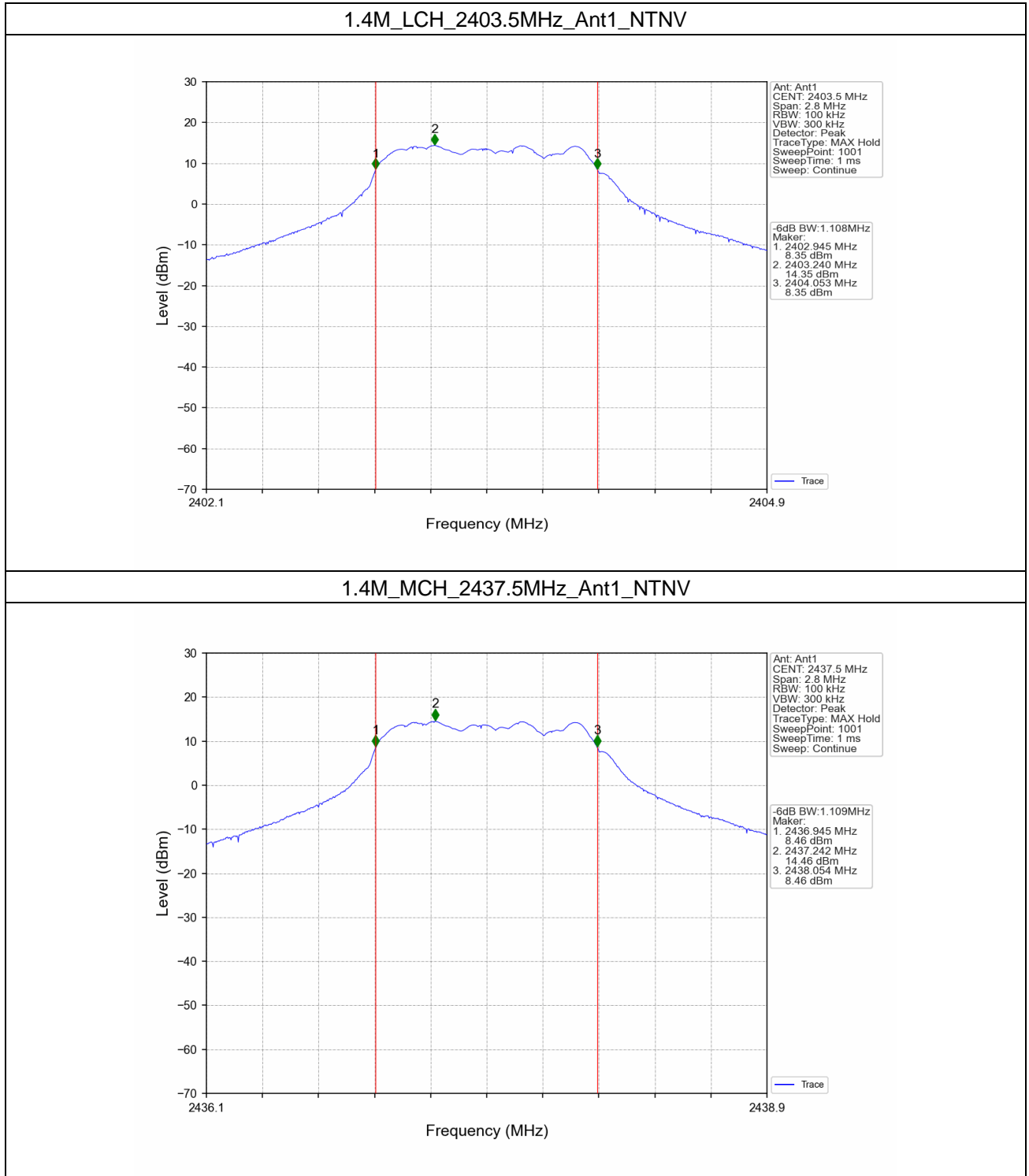
Page: 244 of 319

2.2 6dB BW

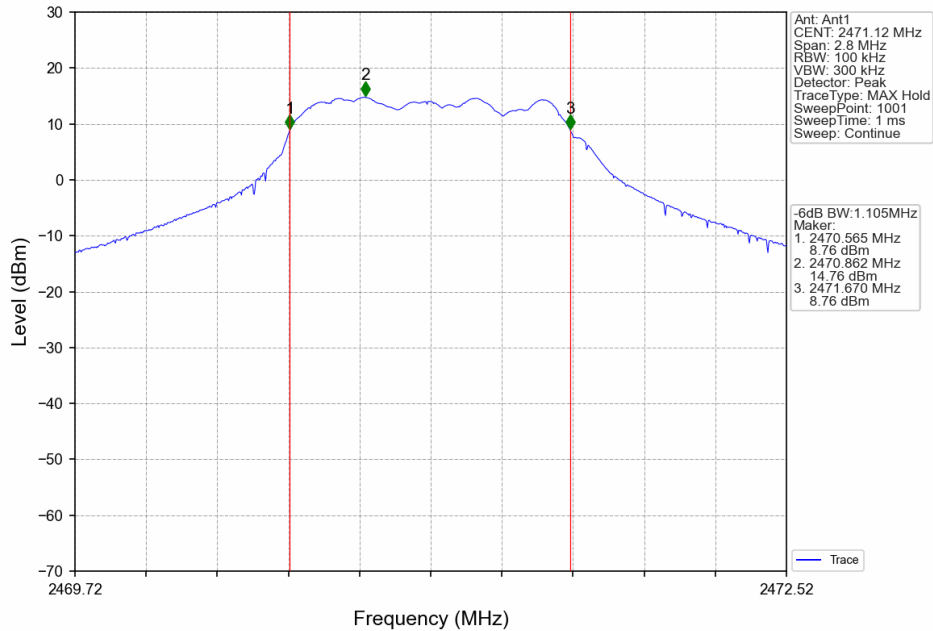
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1.4M	MIMO	2403.5	1	1.108	≥ 0.5	Pass
		2437.5	1	1.109	≥ 0.5	Pass
		2471.12	1	1.105	≥ 0.5	Pass
3M	MIMO	2405.5	1	2.175	≥ 0.5	Pass
		2438.2	1	2.176	≥ 0.5	Pass
		2471.2	1	2.166	≥ 0.5	Pass
10M	MIMO	2407.5	1	8.991	≥ 0.5	Pass
		2437.5	1	9.023	≥ 0.5	Pass
		2467.5	1	9.016	≥ 0.5	Pass
20M	MIMO	2412.5	1	18.005	≥ 0.5	Pass
		2437.5	1	18.032	≥ 0.5	Pass
		2462.5	1	18.022	≥ 0.5	Pass
40M	MIMO	2422.5	1	36.019	≥ 0.5	Pass
		2437.5	1	35.358	≥ 0.5	Pass
		2452.5	1	36.005	≥ 0.5	Pass

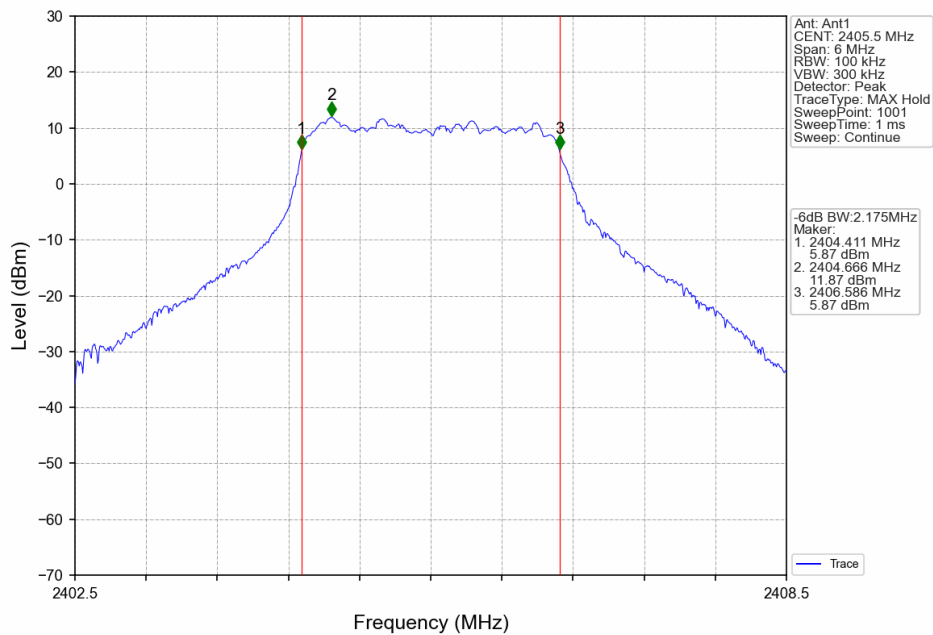
2.2.2 Test Graph



1.4M_HCH_2471.12MHz_Ant1_NTNV



3M_LCH_2405.5MHz_Ant1_NTNV



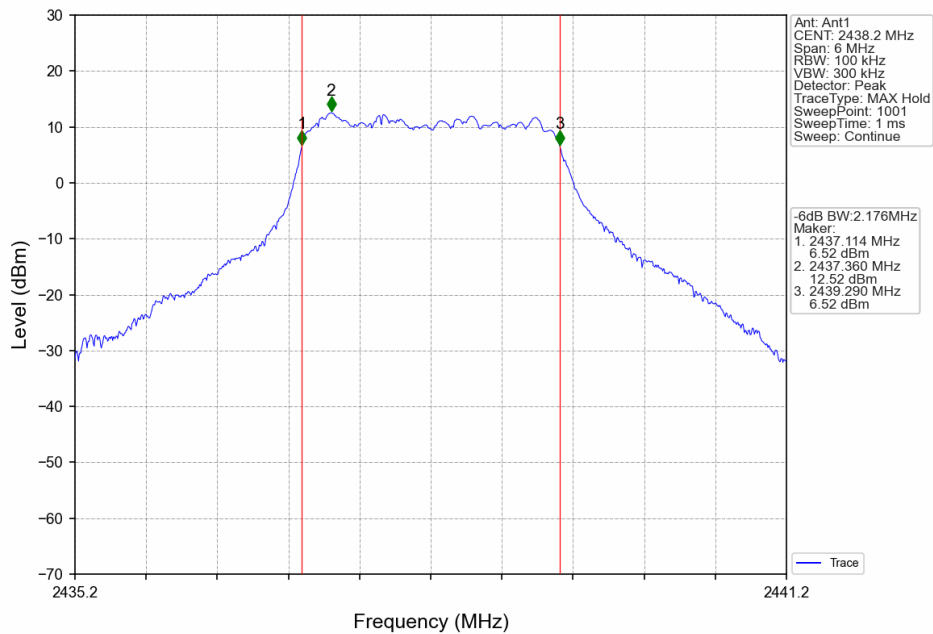
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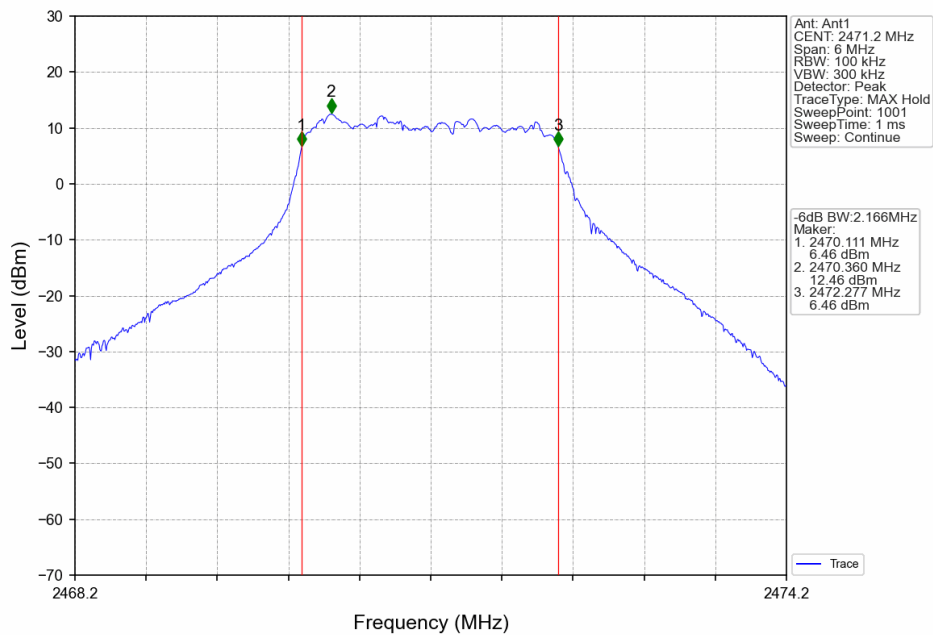
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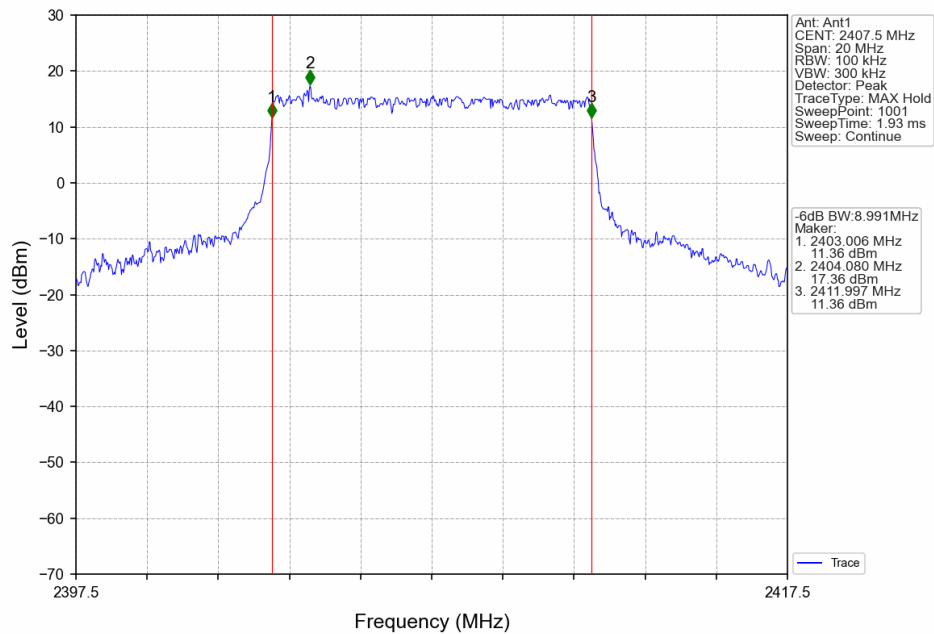
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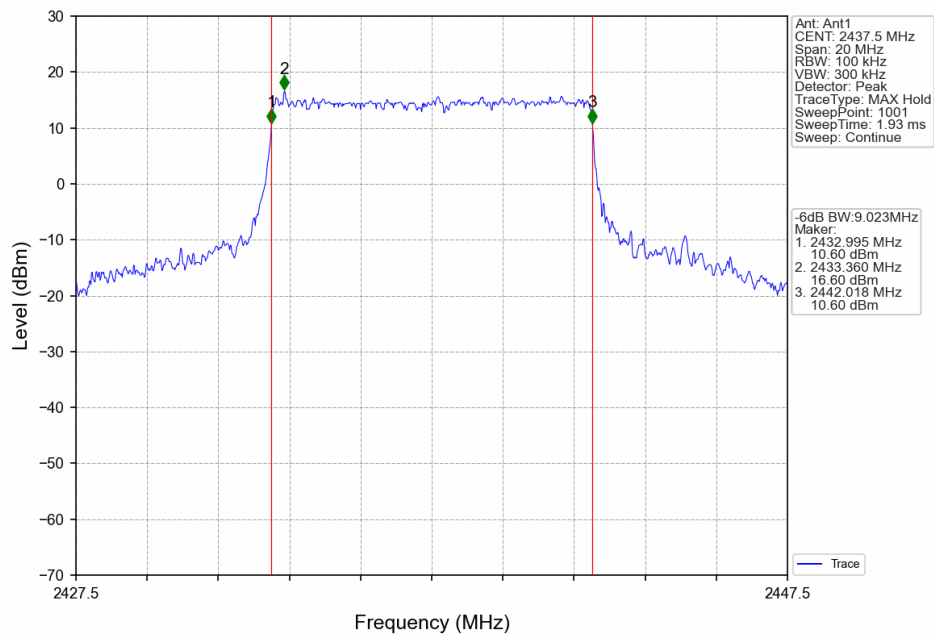
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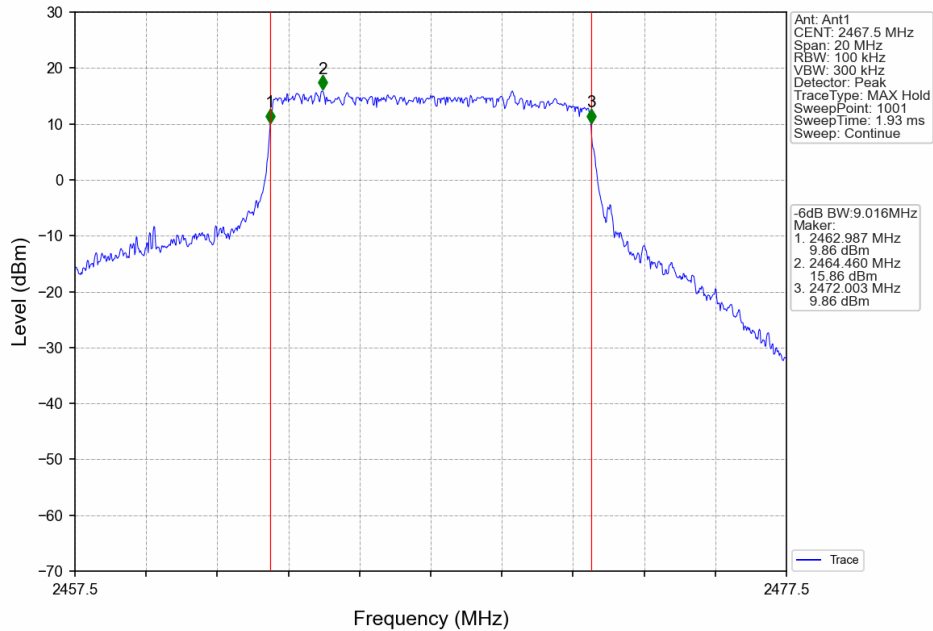
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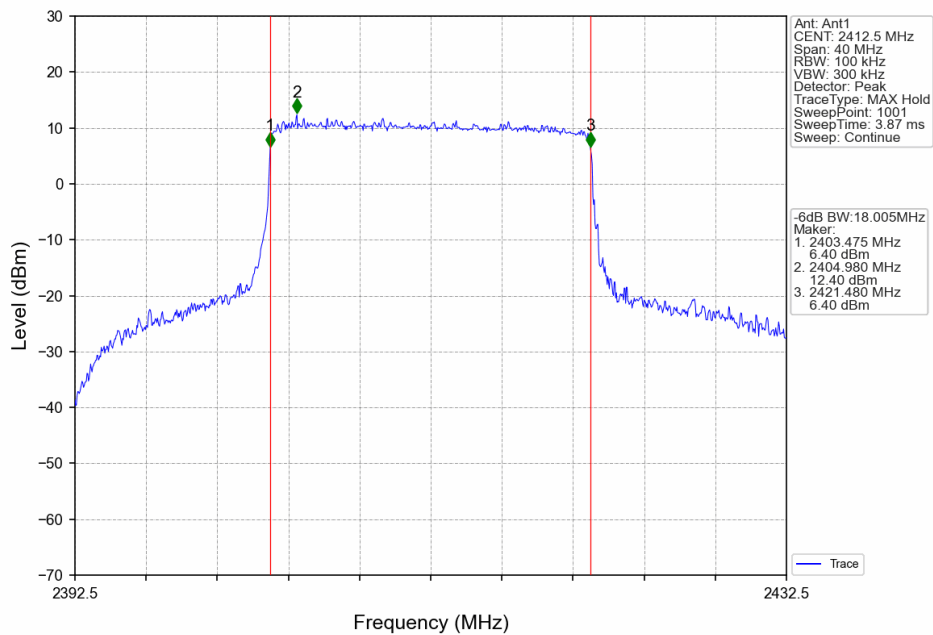
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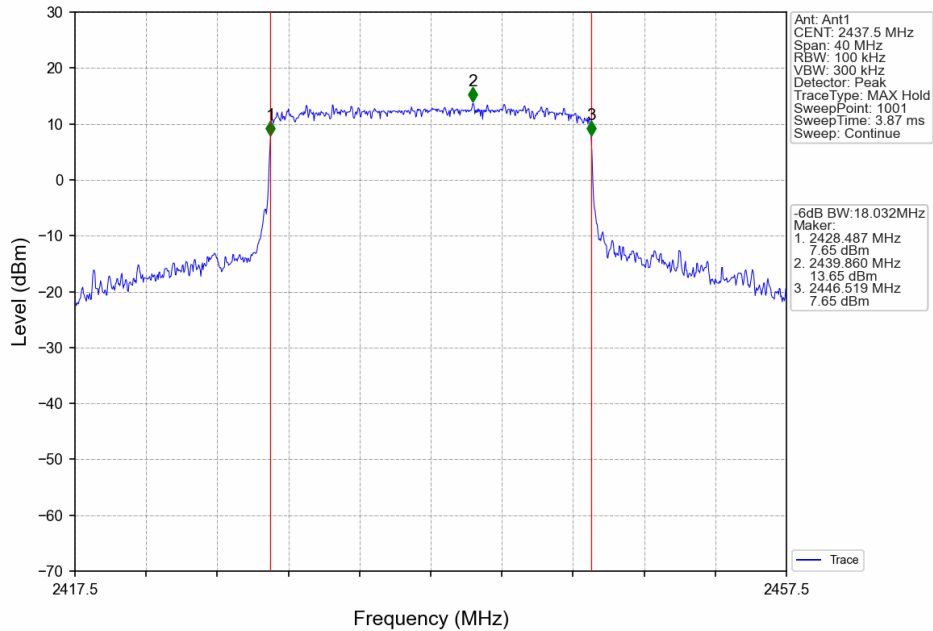
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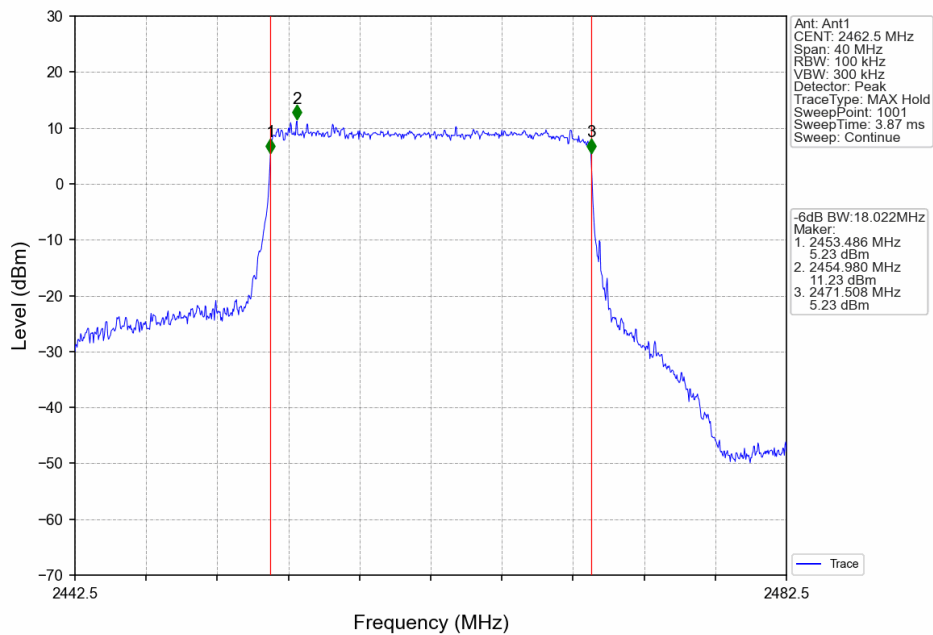
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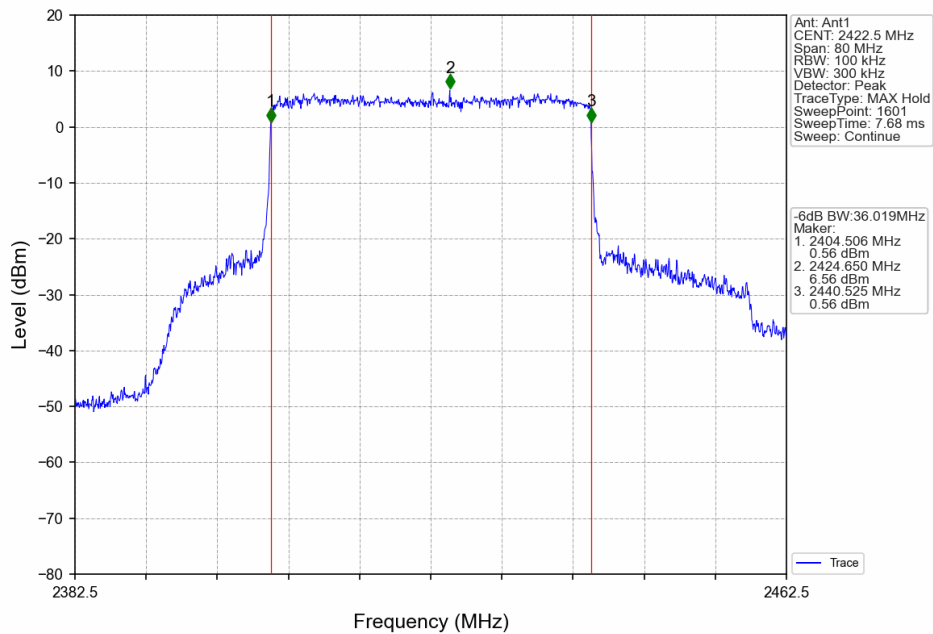
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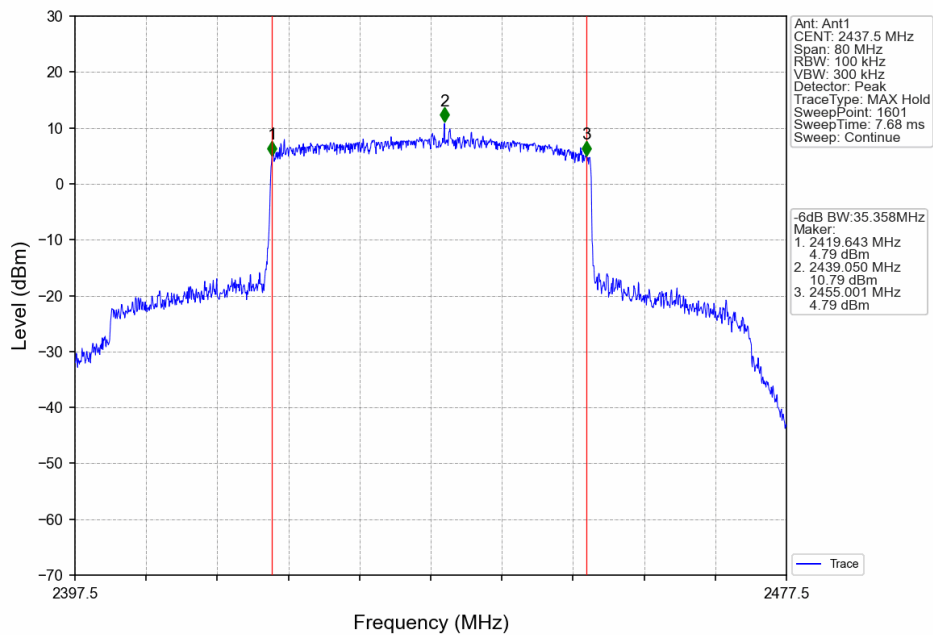
20M_HCH_2462.5MHz_Ant1_NTNV



40M_LCH_2422.5MHz_Ant1_NTNV



40M_MCH_2437.5MHz_Ant1_NTNV

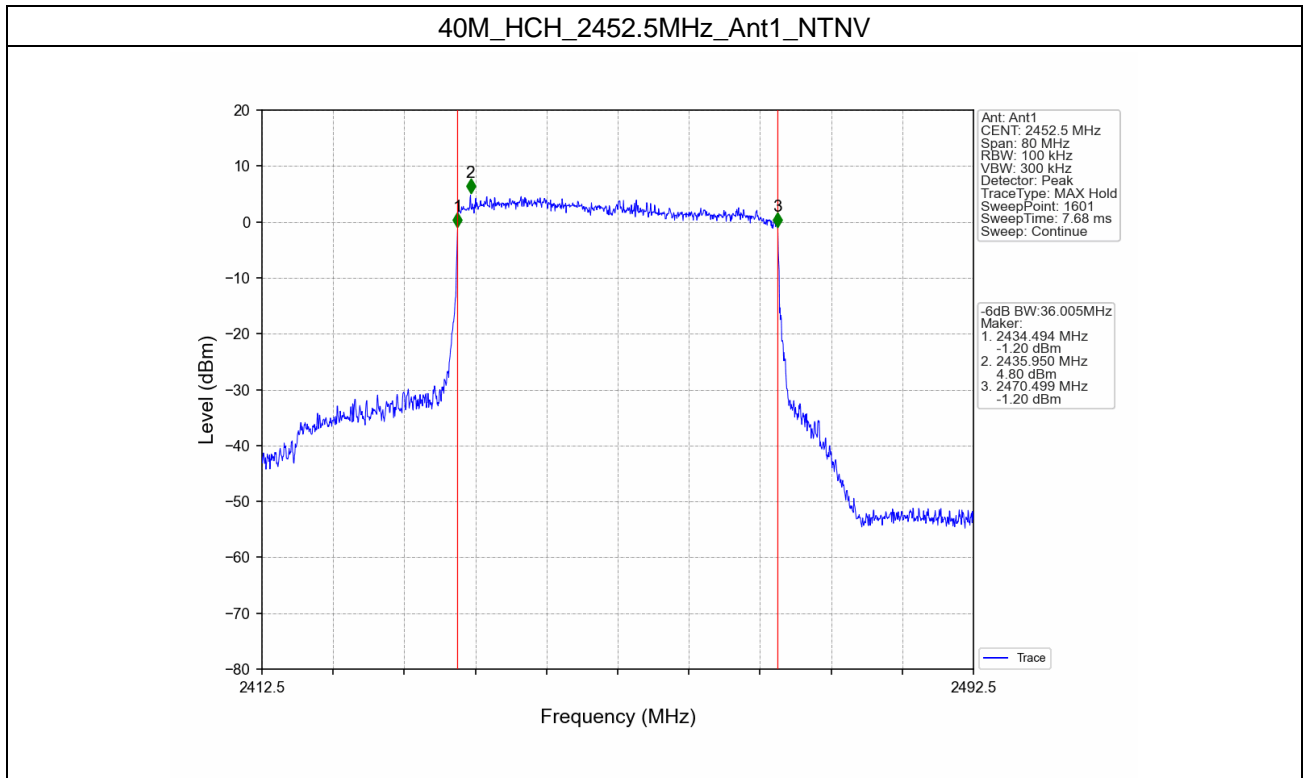


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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
1.4M	MIMO	2403.5	16.20	15.45	18.85	<=30	Pass
		2437.5	16.29	15.75	19.04	<=30	Pass
		2471.12	16.49	15.64	19.10	<=30	Pass
3M	MIMO	2405.5	15.74	14.99	18.39	<=30	Pass
		2438.2	16.41	15.66	19.06	<=30	Pass
		2471.2	16.11	15.46	18.81	<=30	Pass
10M	MIMO	2407.5	23.74	22.84	26.32	<=30	Pass
		2437.5	26.11	25.65	28.90	<=30	Pass
		2467.5	24.70	24.10	27.42	<=30	Pass
20M	MIMO	2412.5	23.38	22.58	26.01	<=30	Pass
		2437.5	25.47	24.96	28.23	<=30	Pass
		2462.5	22.29	21.14	24.76	<=30	Pass
40M	MIMO	2422.5	21.18	20.30	23.77	<=30	Pass
		2437.5	25.04	24.59	27.83	<=30	Pass
		2452.5	21.59	21.01	24.32	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;
Note2: Directional Gain=gain of individual transmit antennas (dBi) + array gain (dB)=2dBi
Array Gain = 0 dB for $N_{ANT} \leq 4$

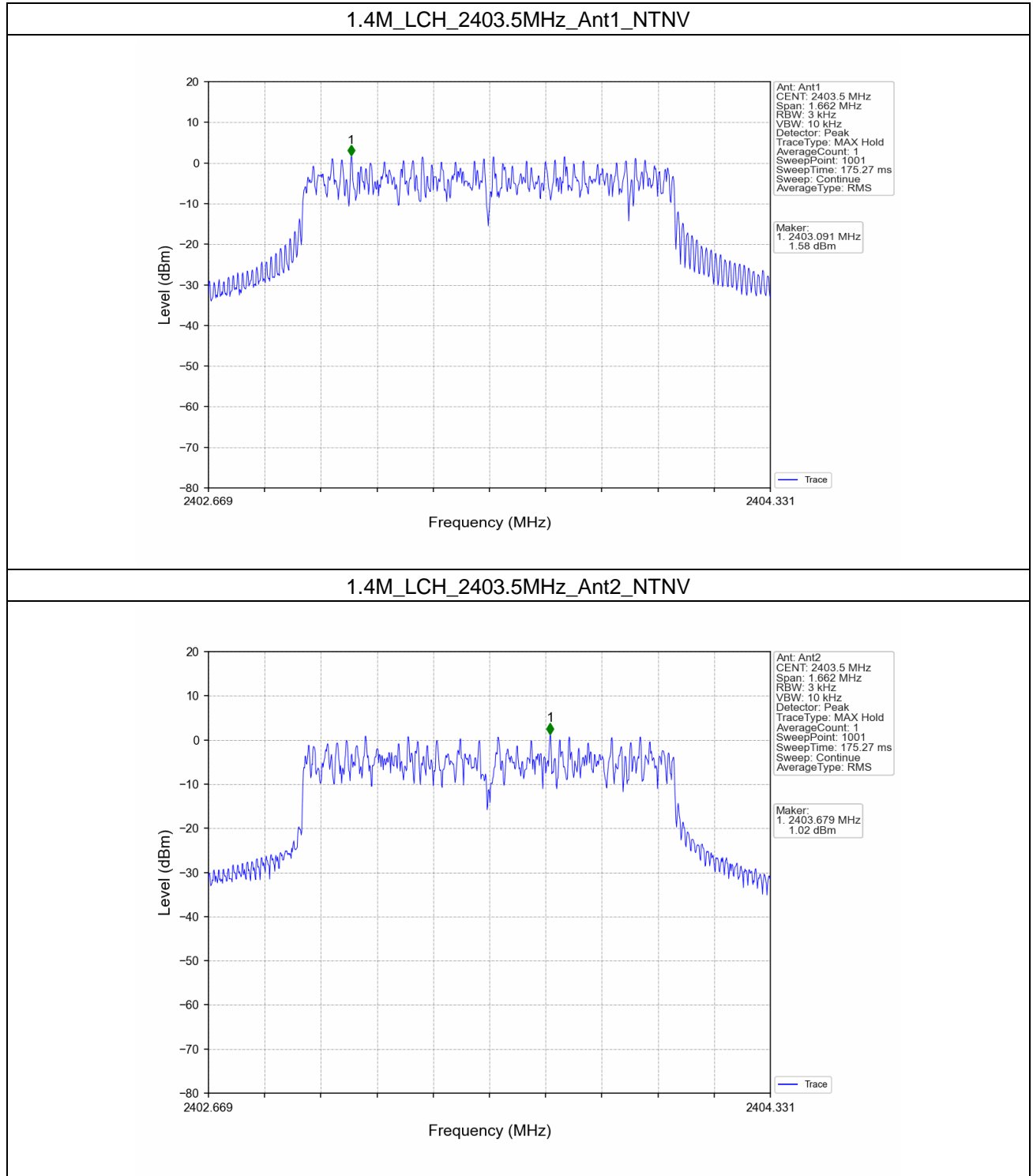
4. Maximum Power Spectral Density

4.1 PSD

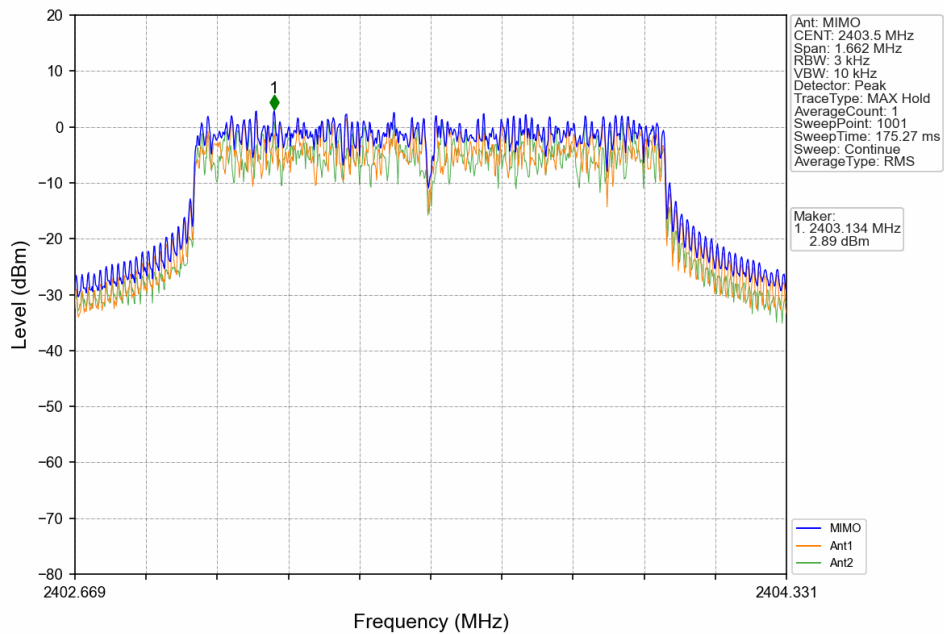
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
1.4M	MIMO	2403.5	1.58	1.02	2.89	<=8	Pass
		2437.5	1.74	1.24	3.19	<=8	Pass
		2471.12	1.82	1.35	3.09	<=8	Pass
3M	MIMO	2405.5	-1.31	-1.69	-0.52	<=8	Pass
		2438.2	-0.62	-1.03	-0.15	<=8	Pass
		2471.2	-0.86	-1.08	0.02	<=8	Pass
10M	MIMO	2407.5	-1.49	-2.76	-0.11	<=8	Pass
		2437.5	1.22	0.06	2.62	<=8	Pass
		2467.5	-0.56	-1.46	1.11	<=8	Pass
20M	MIMO	2412.5	-4.88	-5.94	-2.75	<=8	Pass
		2437.5	-2.63	-3.49	-0.45	<=8	Pass
		2462.5	-5.93	-7.28	-4.05	<=8	Pass
40M	MIMO	2422.5	-9.59	-10.25	-8.03	<=8	Pass
		2437.5	-6.09	-5.92	-3.60	<=8	Pass
		2452.5	-8.85	-9.28	-6.31	<=8	Pass

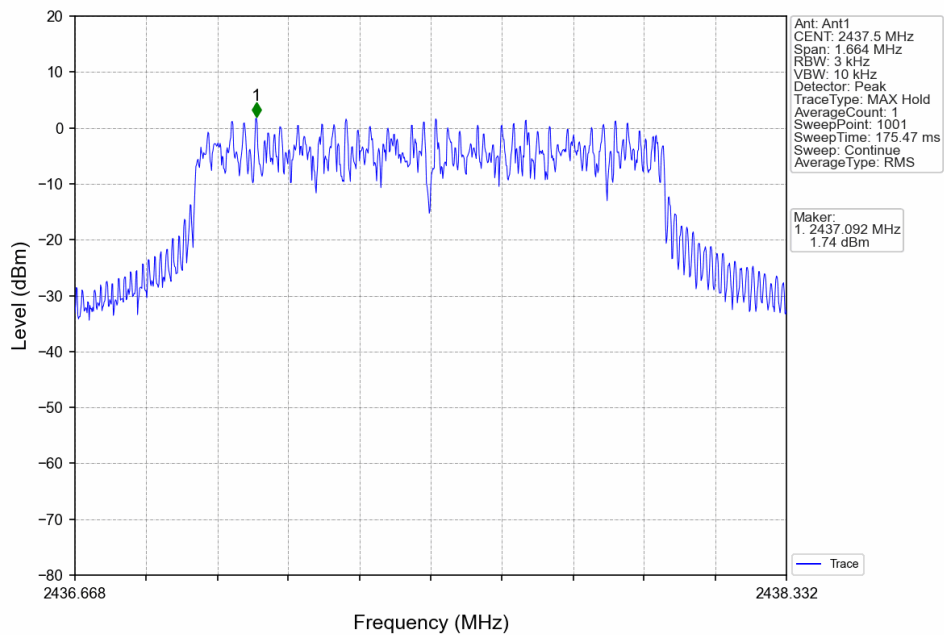
4.1.2 Test Graph



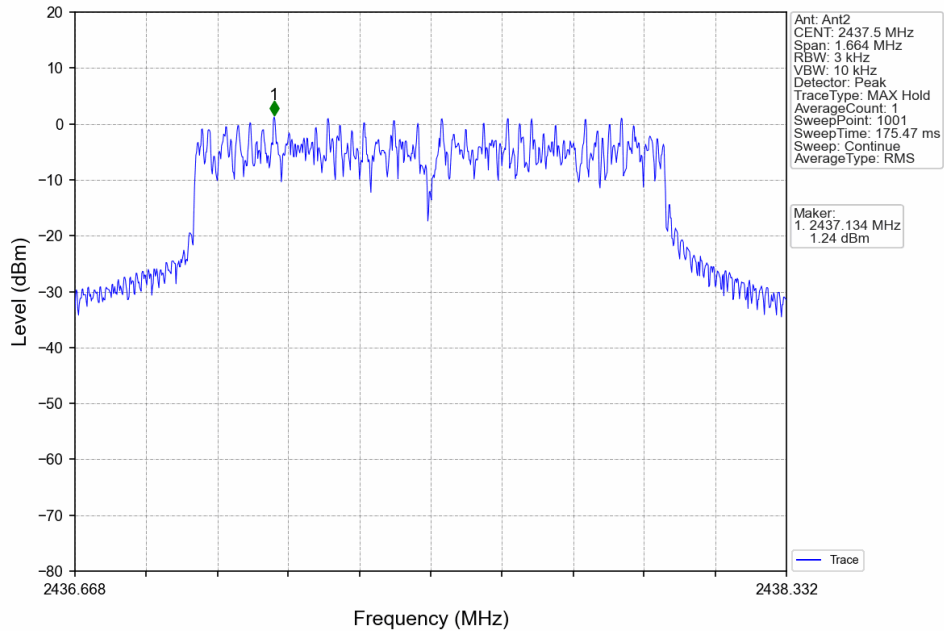
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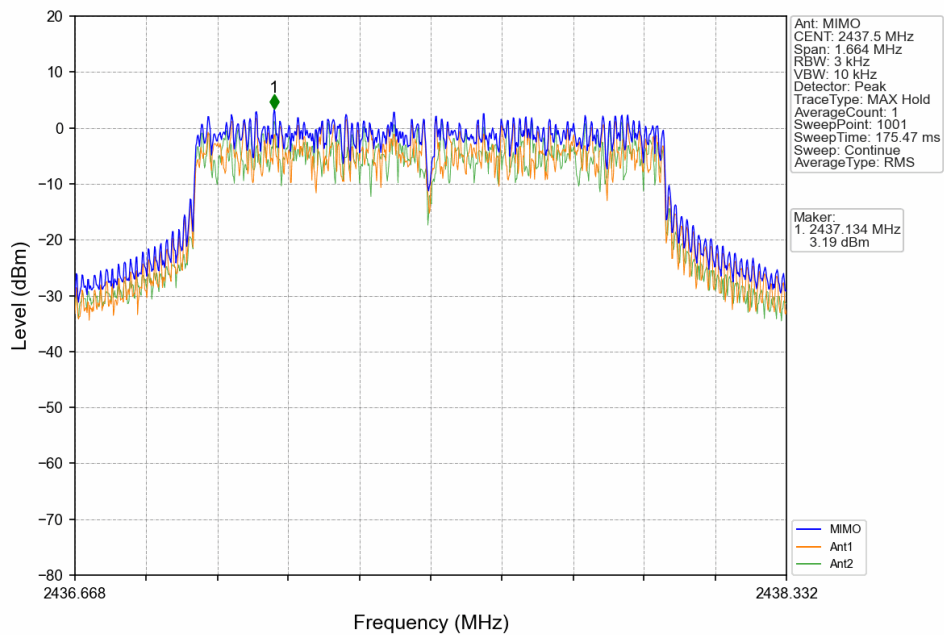
1.4M_MCH_2437.5MHz_Ant1_NTNV



1.4M_MCH_2437.5MHz_Ant2_NTNV



1.4M_MCH_2437.5MHz_MIMO_NTNV



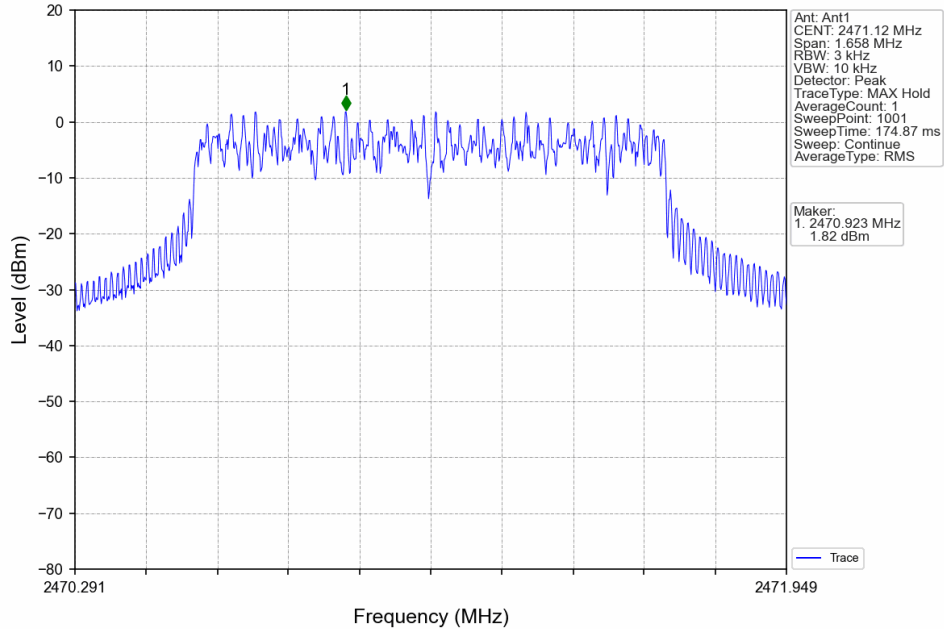
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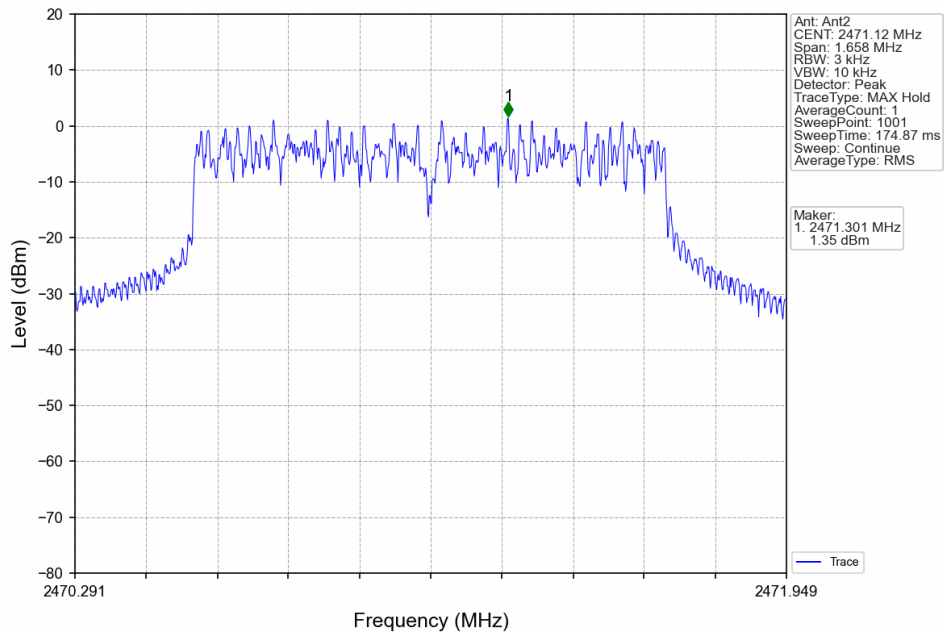
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1.4M_HCH_2471.12MHz_Ant1_NTNV



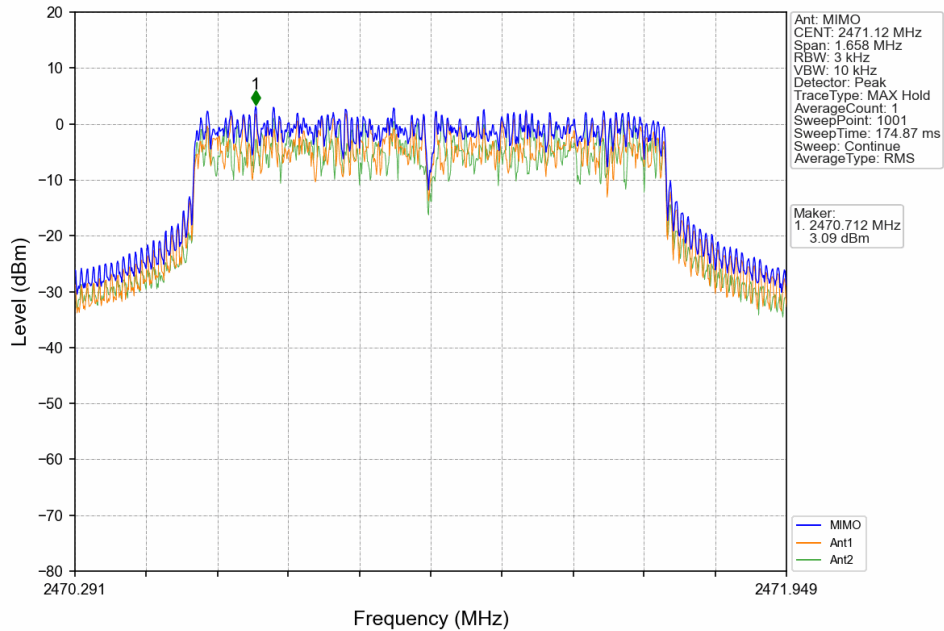
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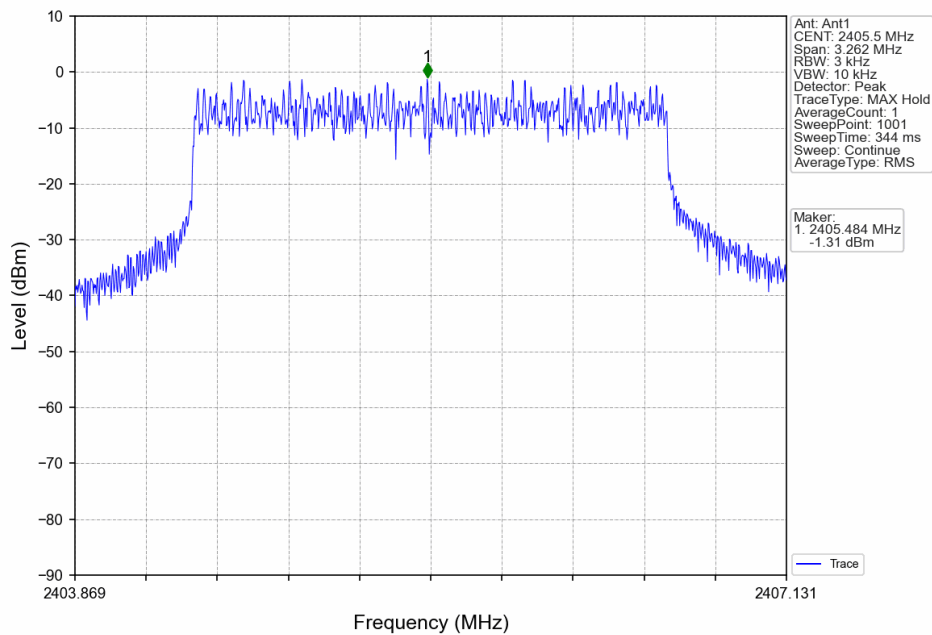
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1.4M_HCH_2471.12MHz_MIMO_NTNV



3M_LCH_2405.5MHz_Ant1_NTNV



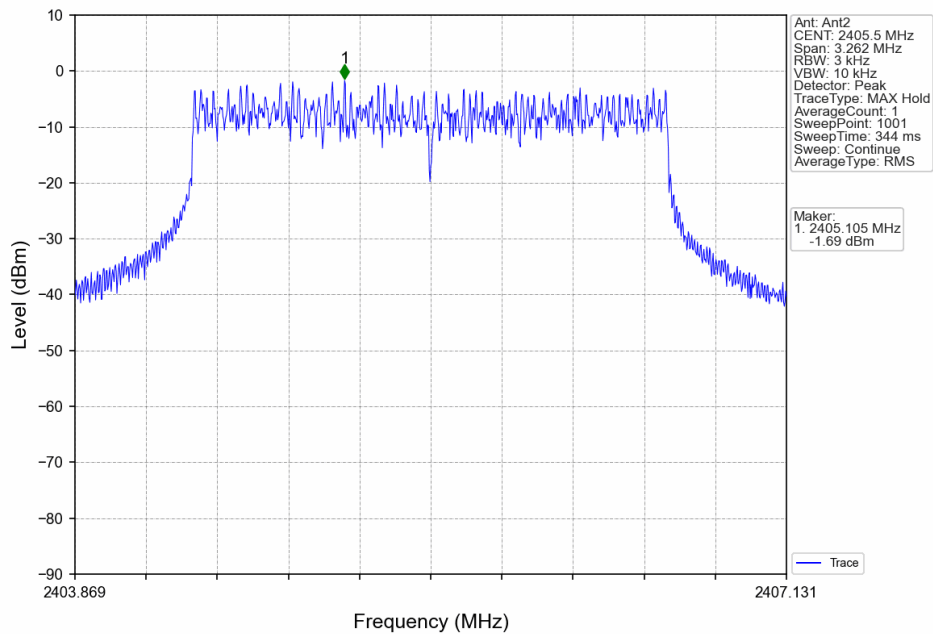
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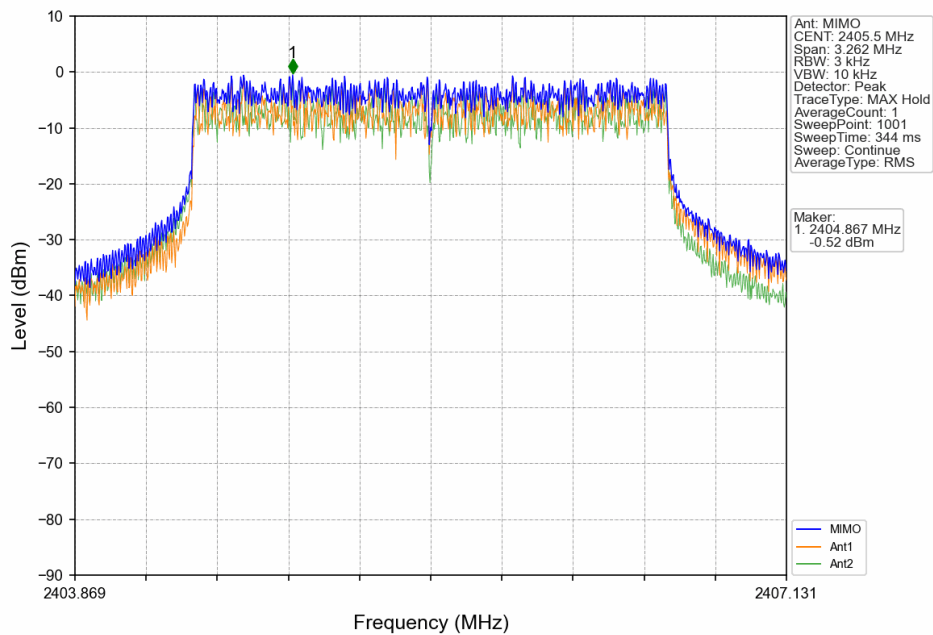
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3M_LCH_2405.5MHz_Ant2_NTNV



3M_LCH_2405.5MHz_MIMO_NTNV



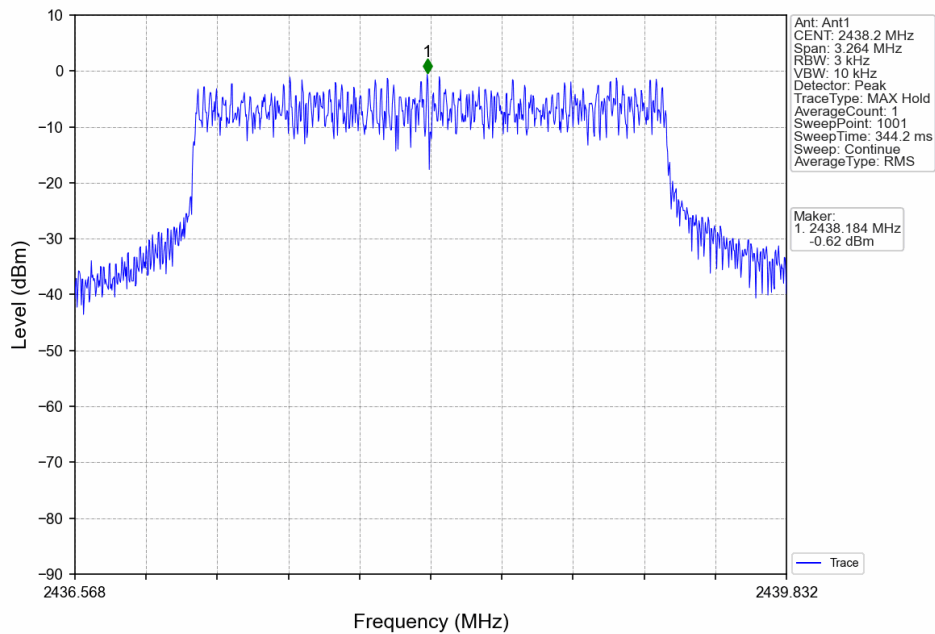
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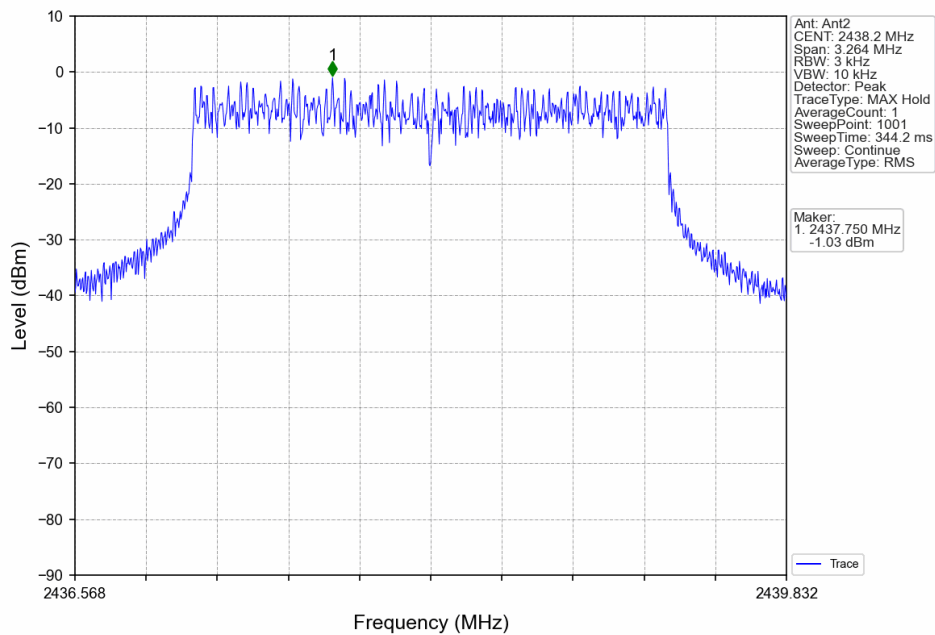
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3M_MCH_2438.2MHz_Ant1_NTNV



3M_MCH_2438.2MHz_Ant2_NTNV



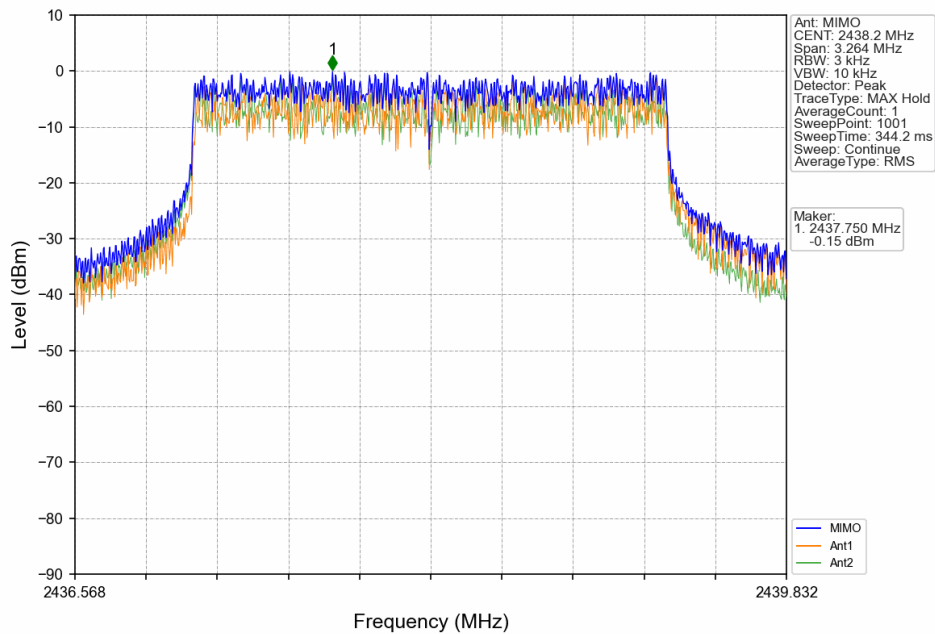
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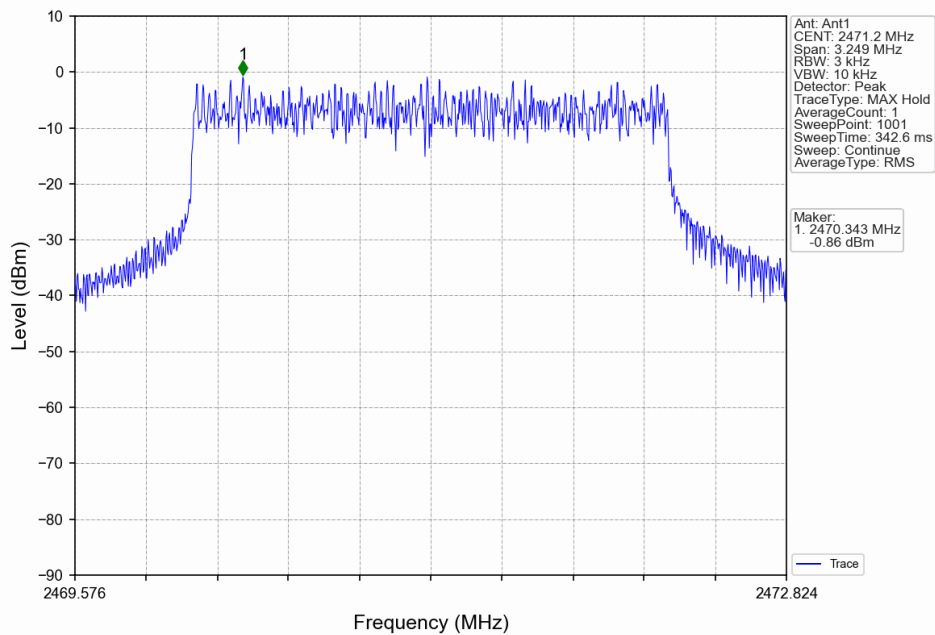
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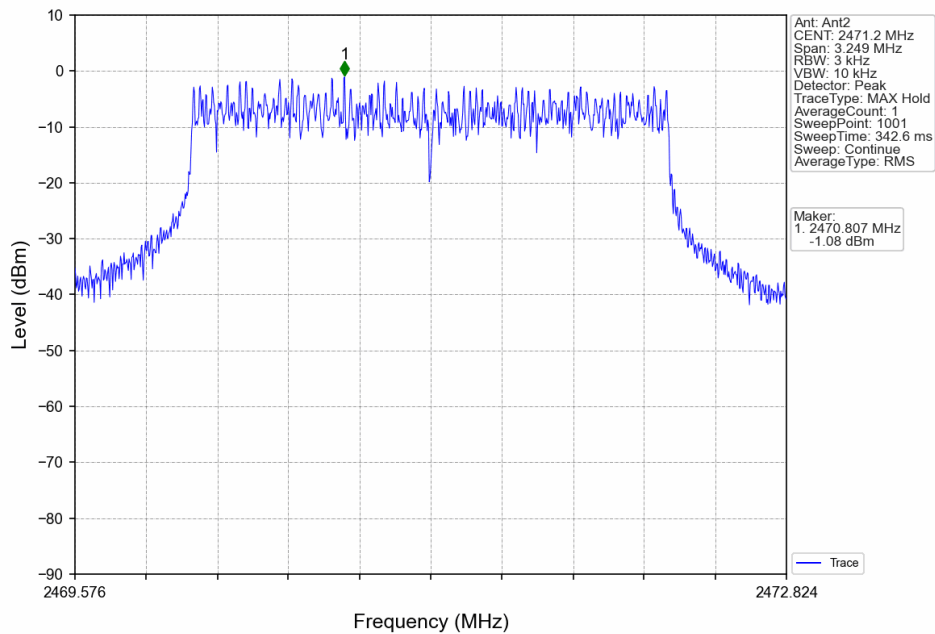
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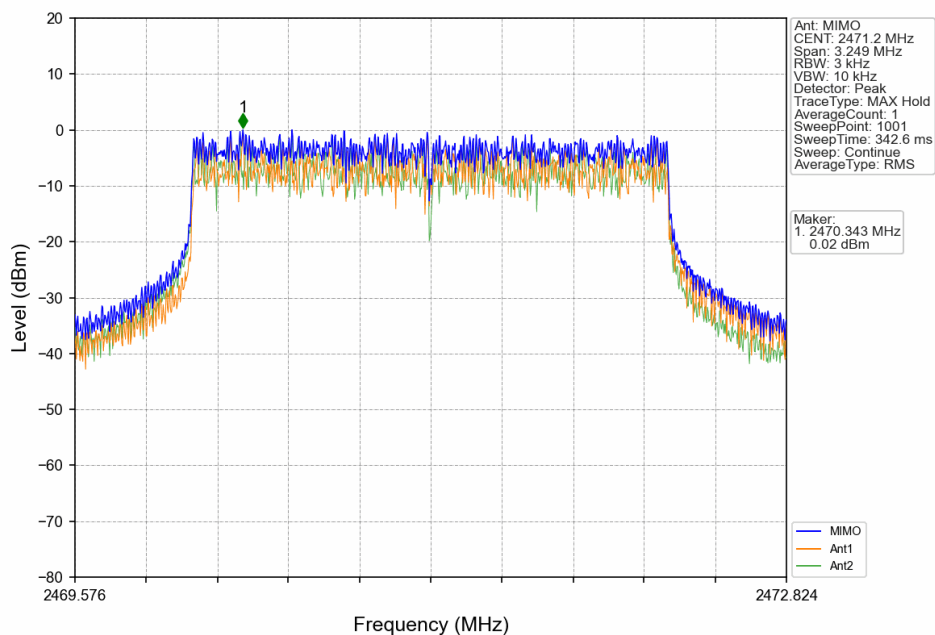
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3M_HCH_2471.2MHz_Ant2_NTNV



3M_HCH_2471.2MHz_MIMO_NTNV



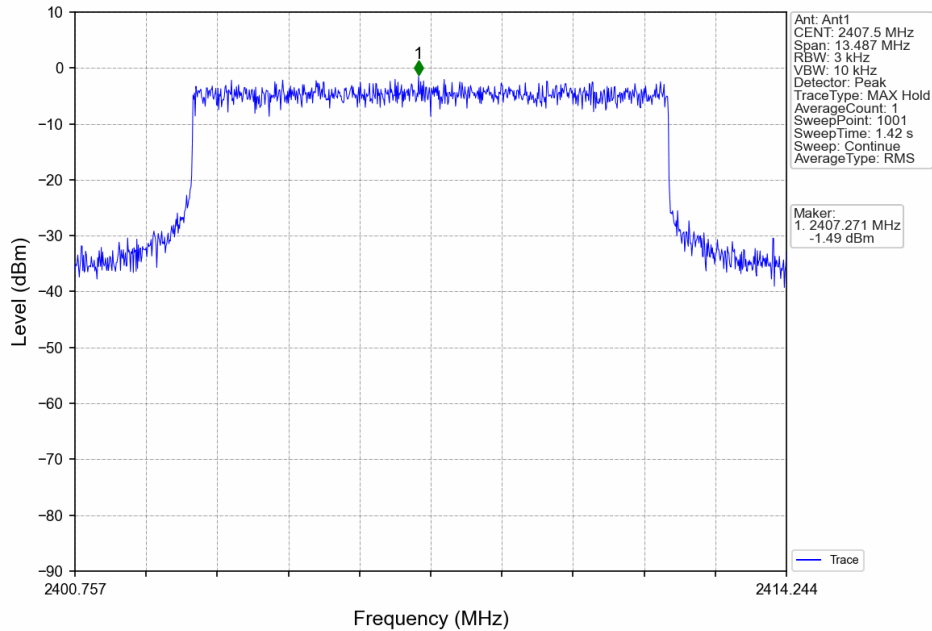
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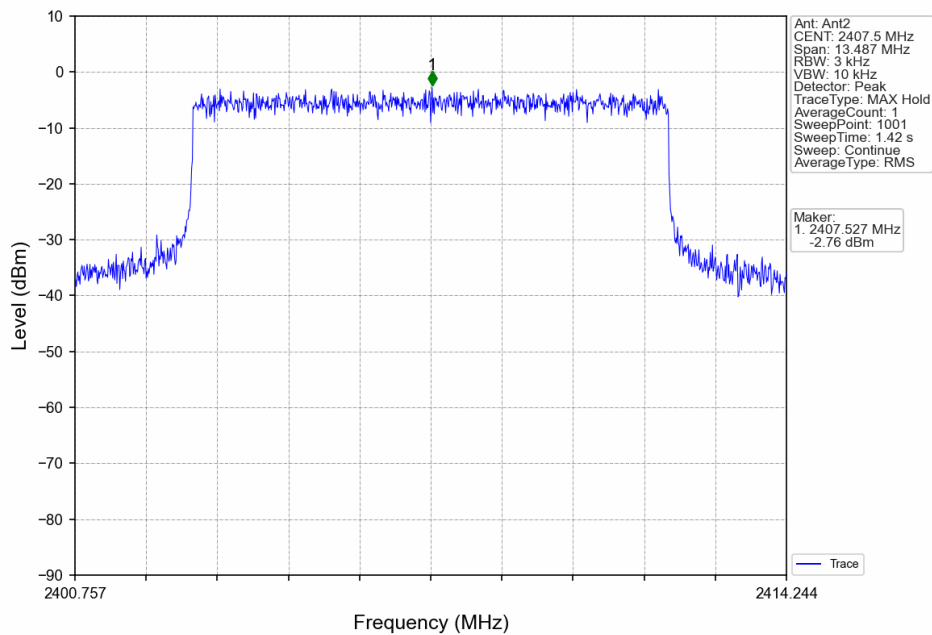
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10M_LCH_2407.5MHz_Ant1_NTNV



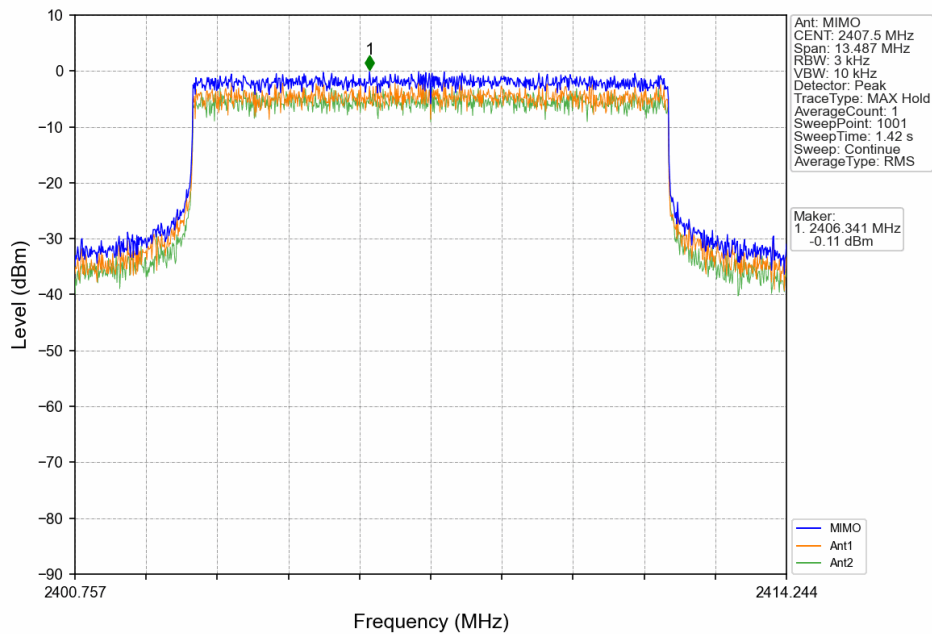
10M_LCH_2407.5MHz_Ant2_NTNV



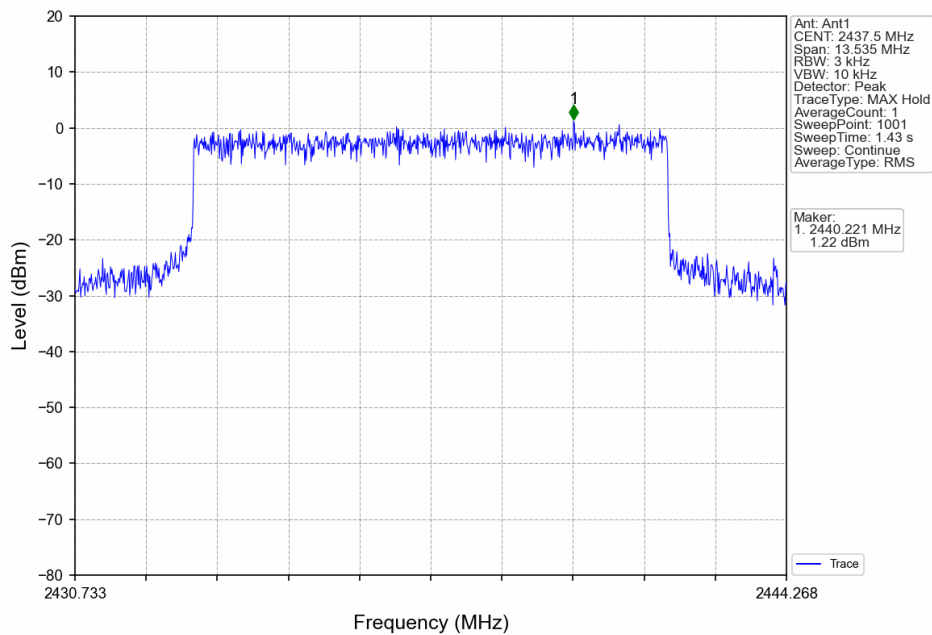
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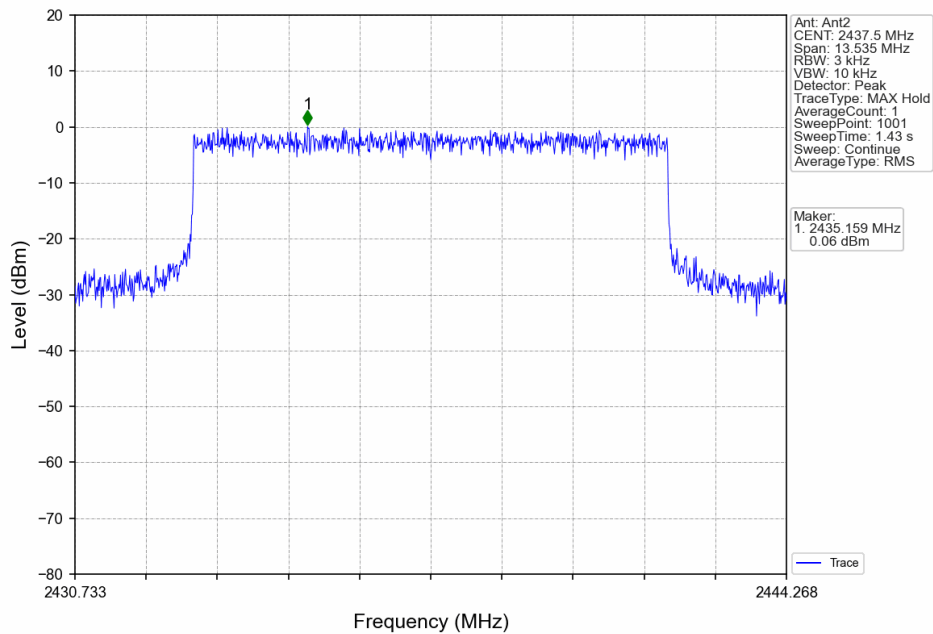
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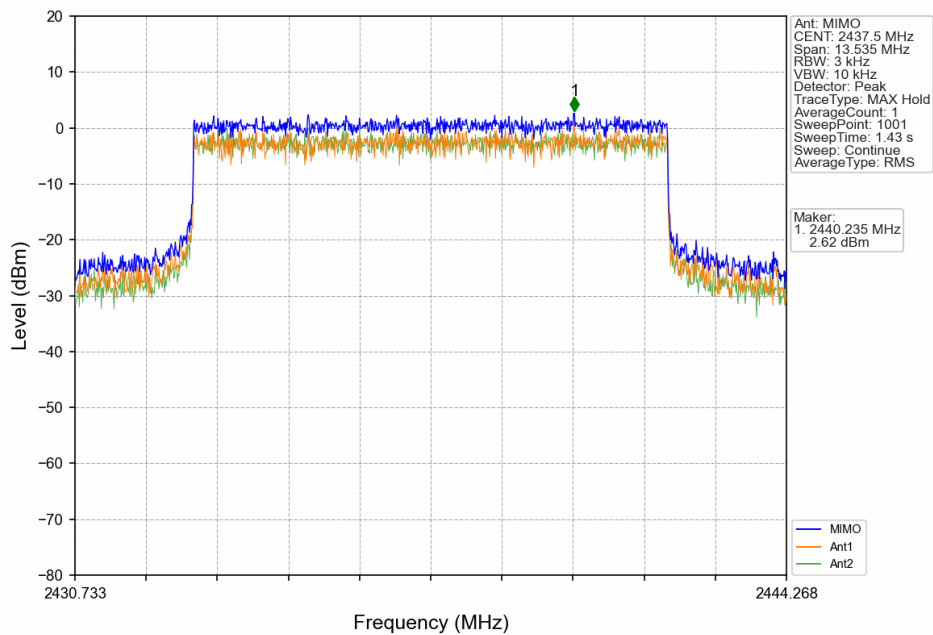
10M_MCH_2437.5MHz_Ant1_NTNV



10M_MCH_2437.5MHz_Ant2_NTNV



10M_MCH_2437.5MHz_MIMO_NTNV



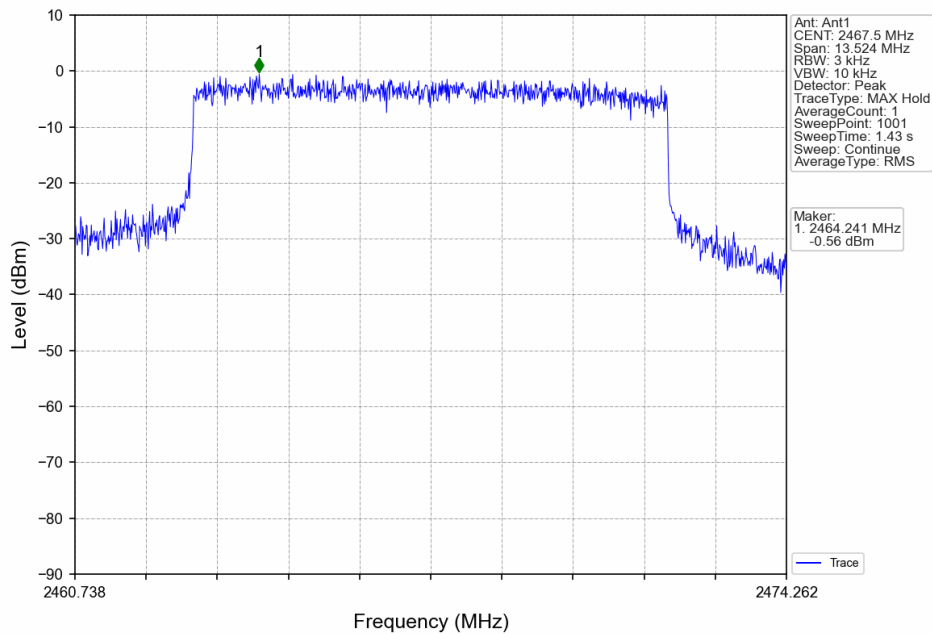
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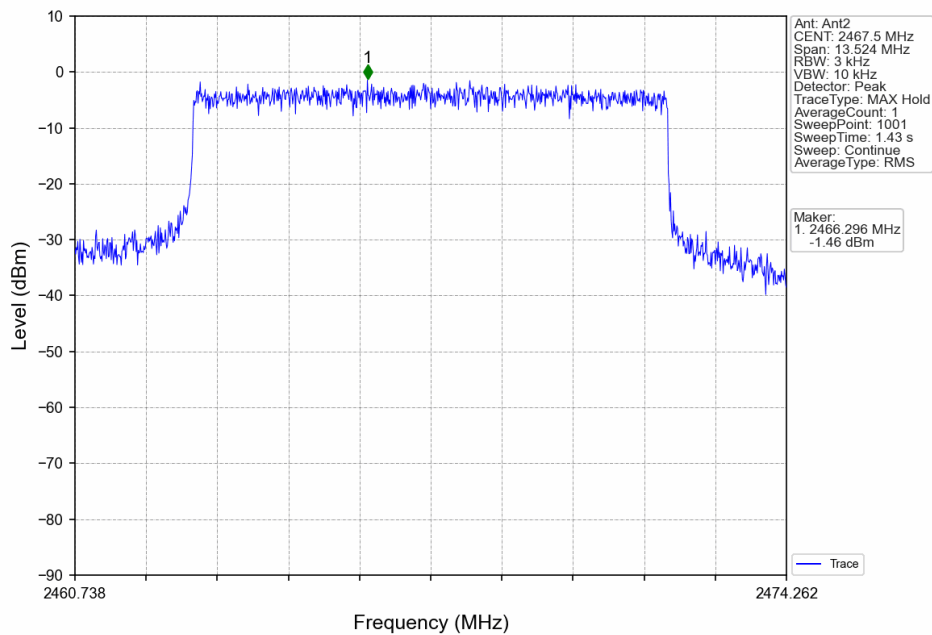
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10M_HCH_2467.5MHz_Ant1_NTNV



10M_HCH_2467.5MHz_Ant2_NTNV



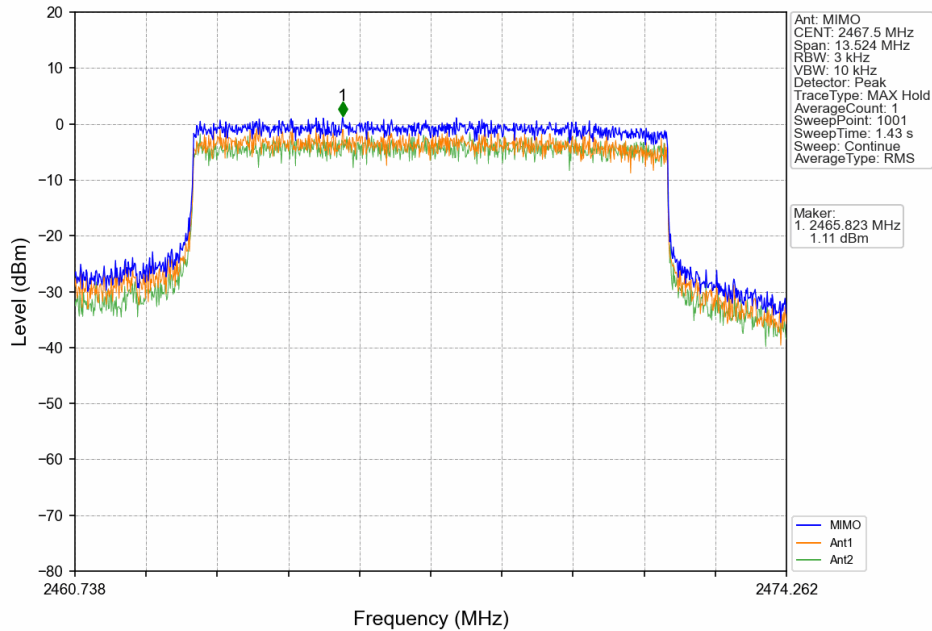
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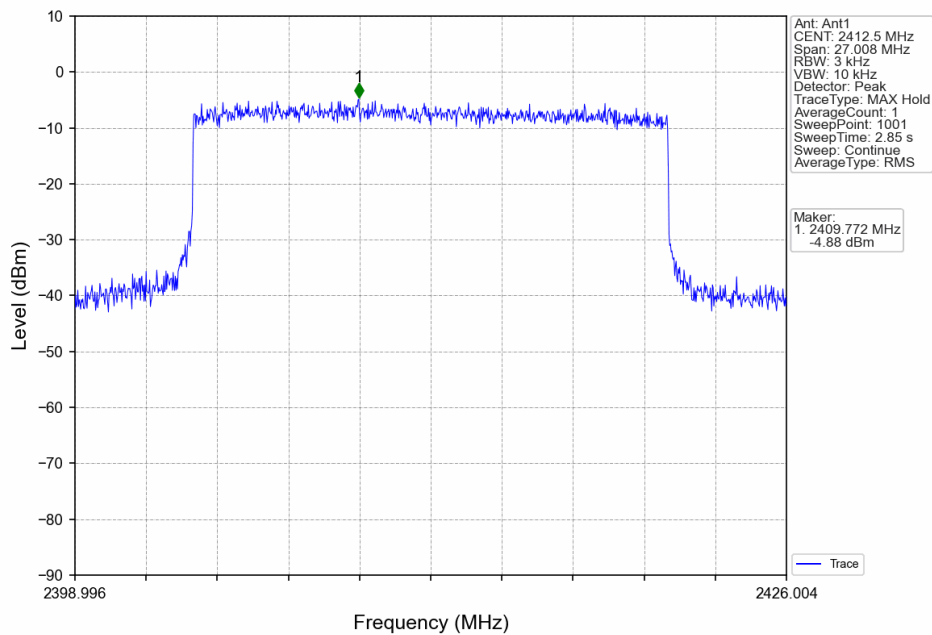
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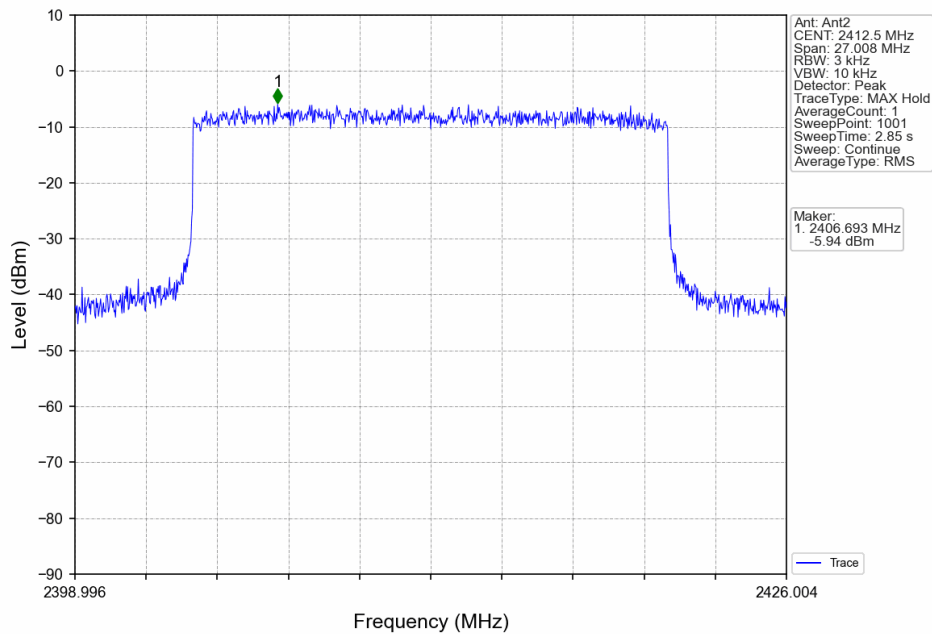
10M_HCH_2467.5MHz_MIMO_NTNV



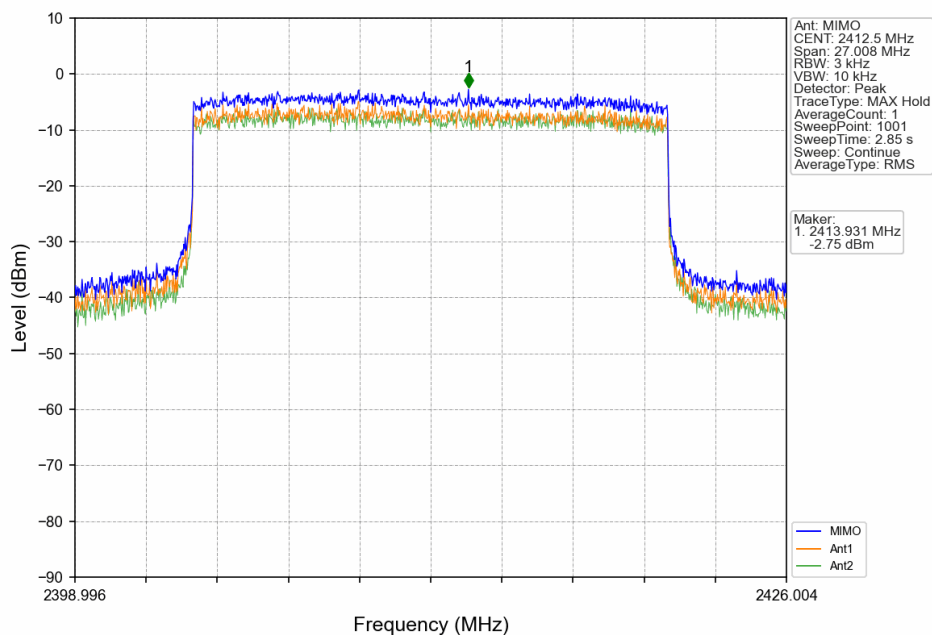
20M_LCH_2412.5MHz_Ant1_NTNV



20M_LCH_2412.5MHz_Ant2_NTNV



20M_LCH_2412.5MHz_MIMO_NTNV



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