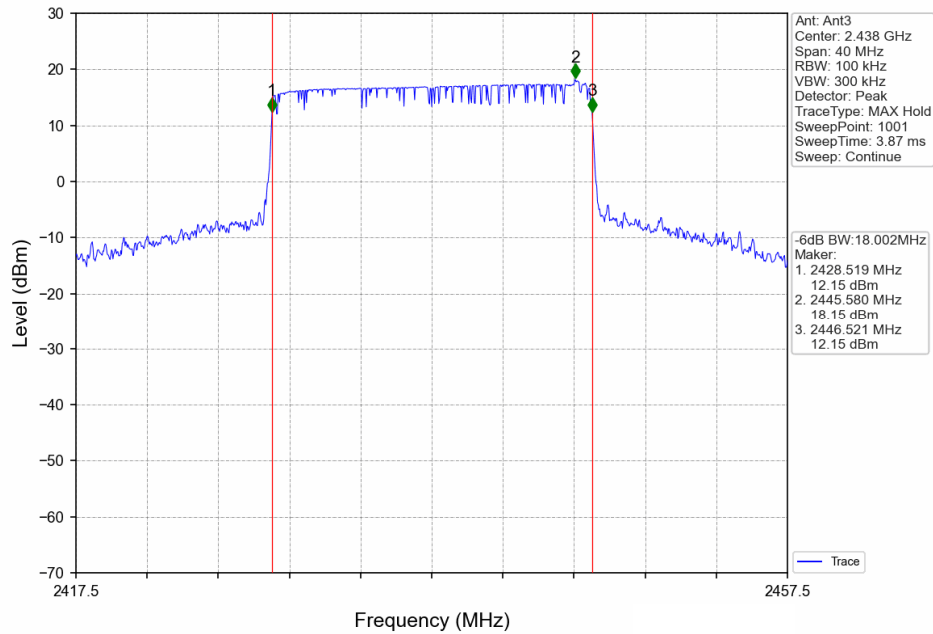
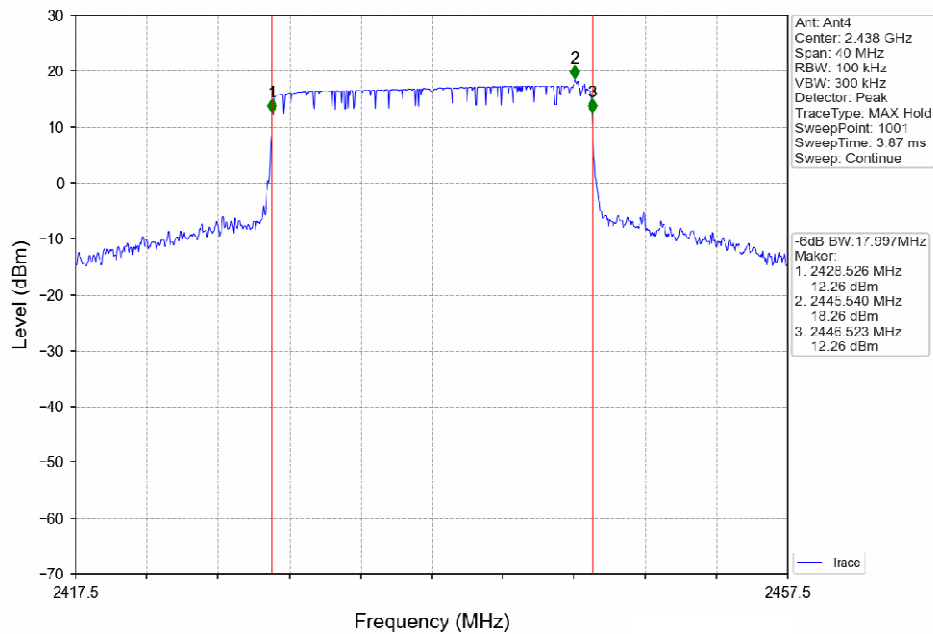


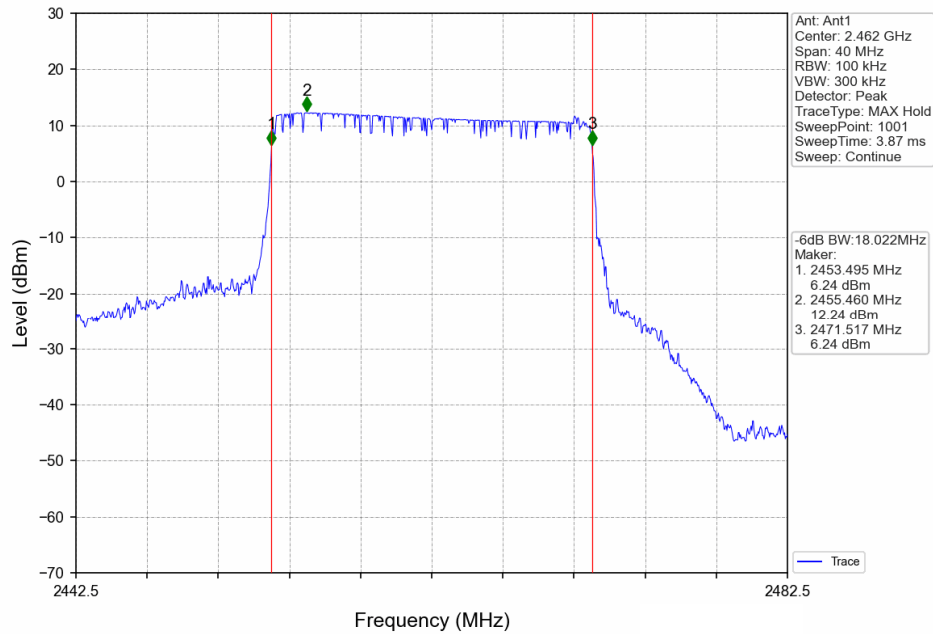
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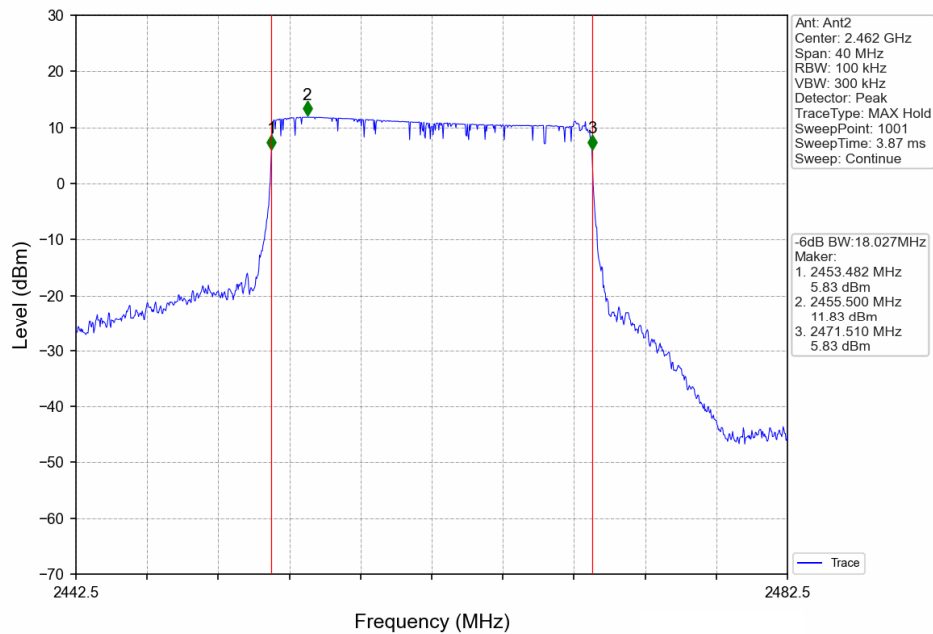
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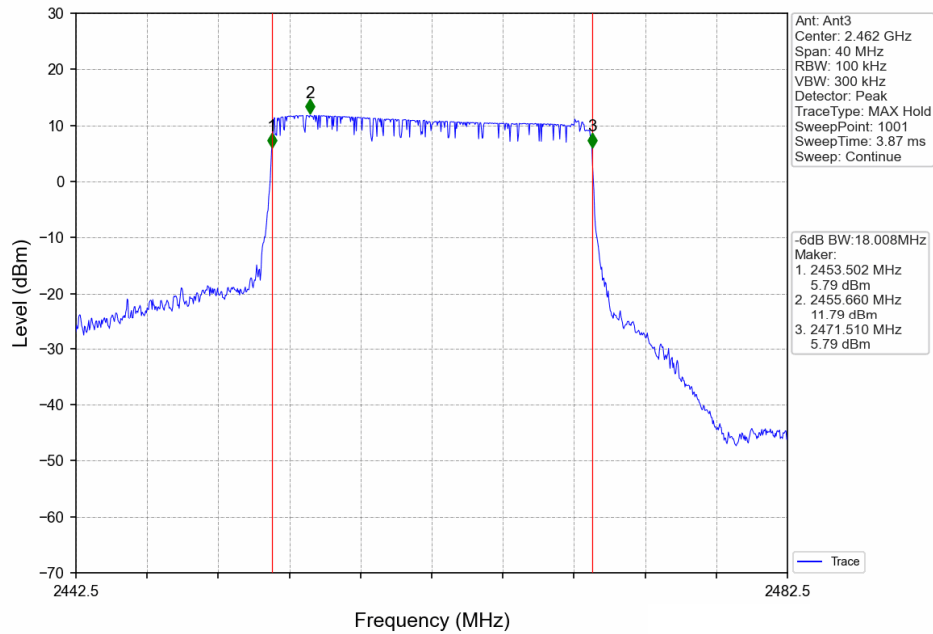
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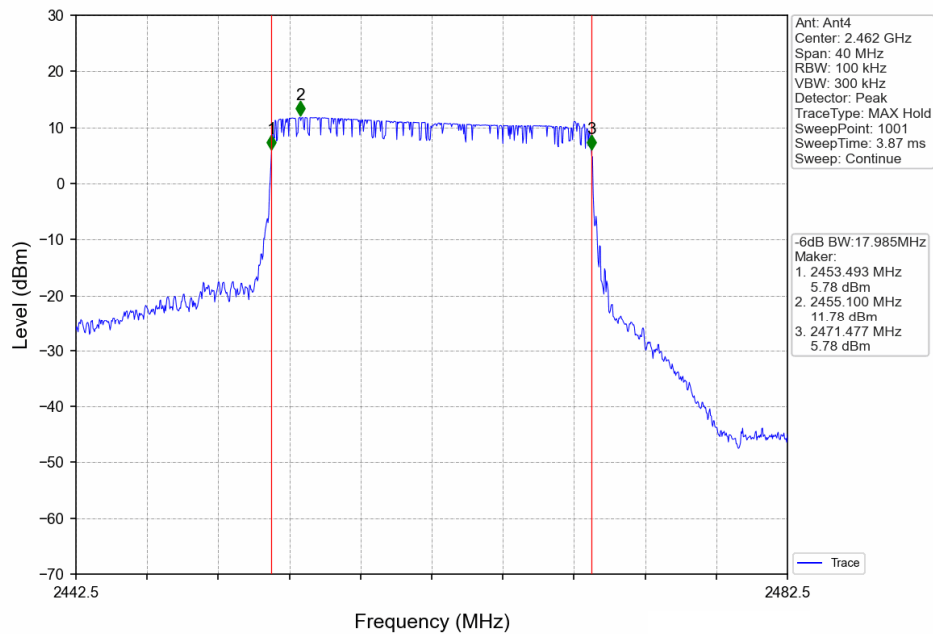
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20MHz BW_HCH_2462.5MHz_Ant3_NTNV



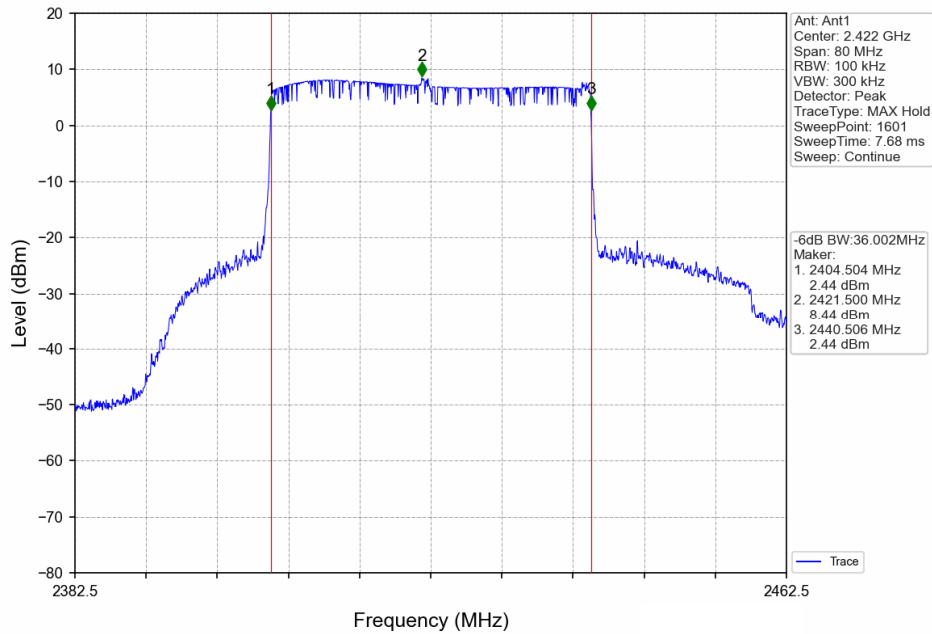
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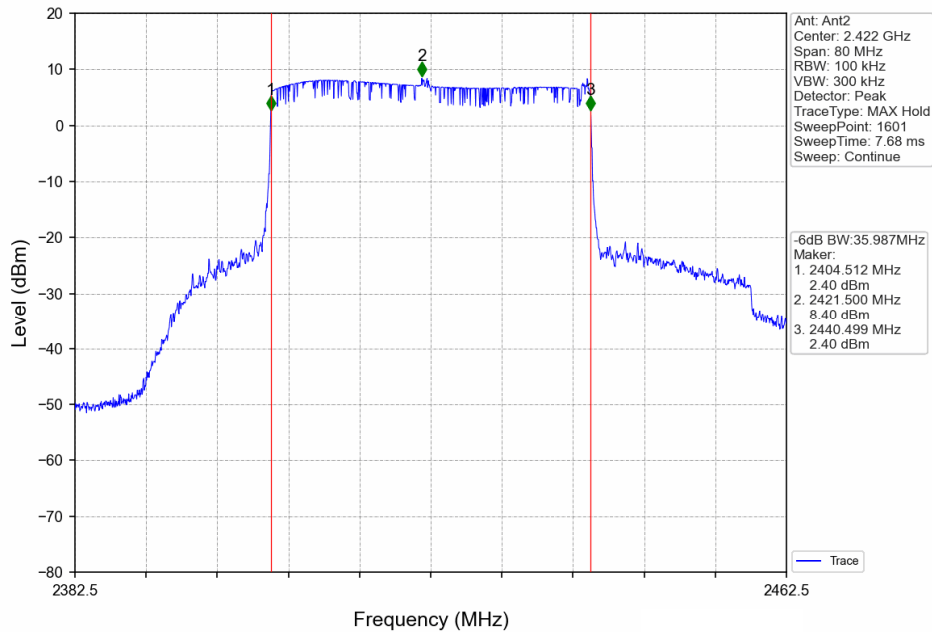
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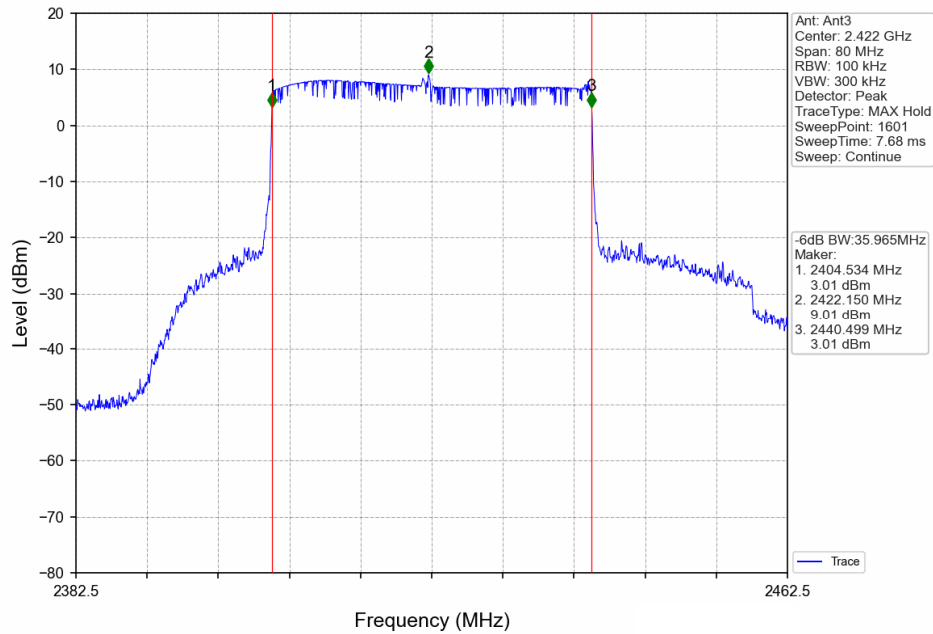
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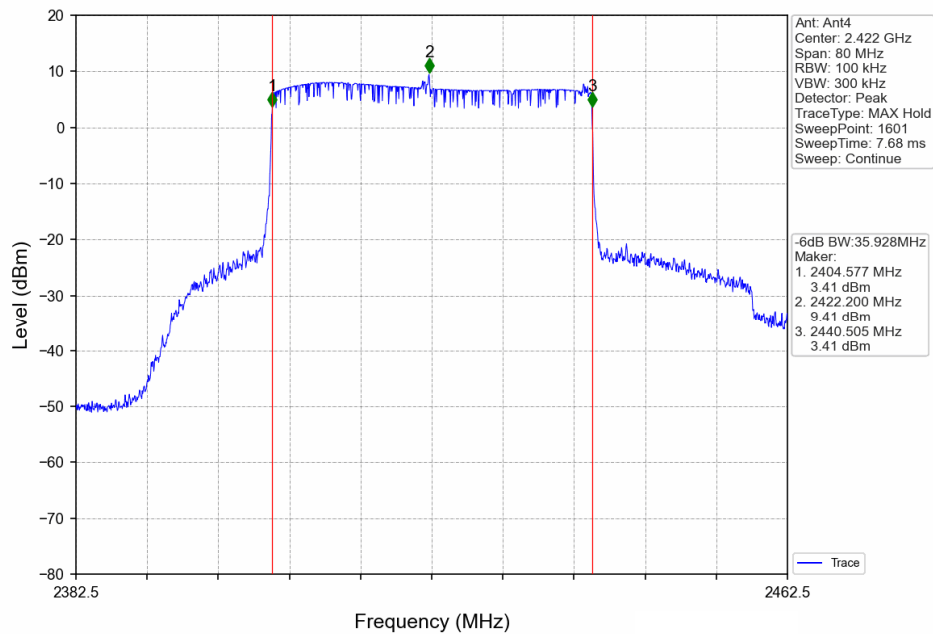
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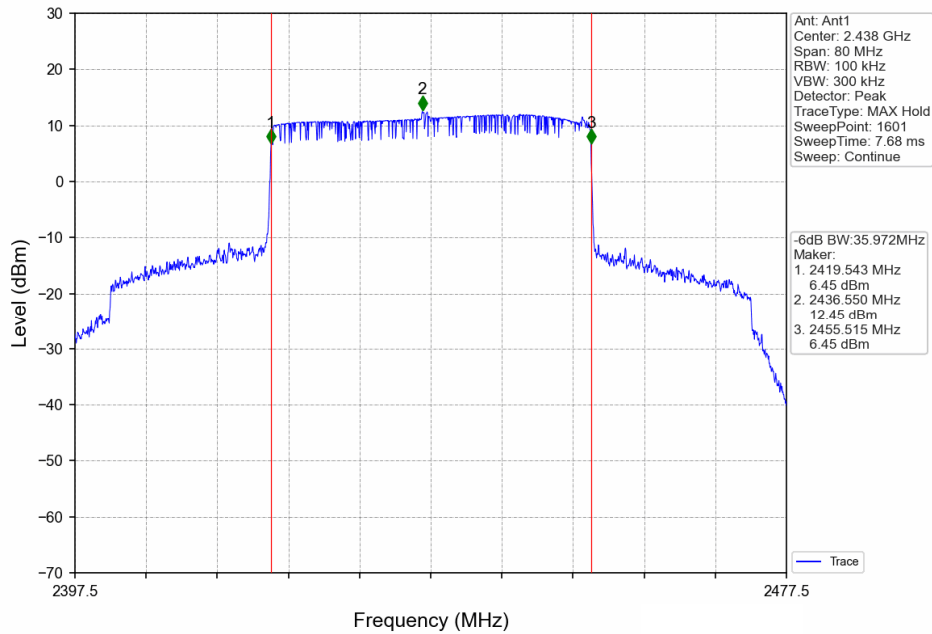
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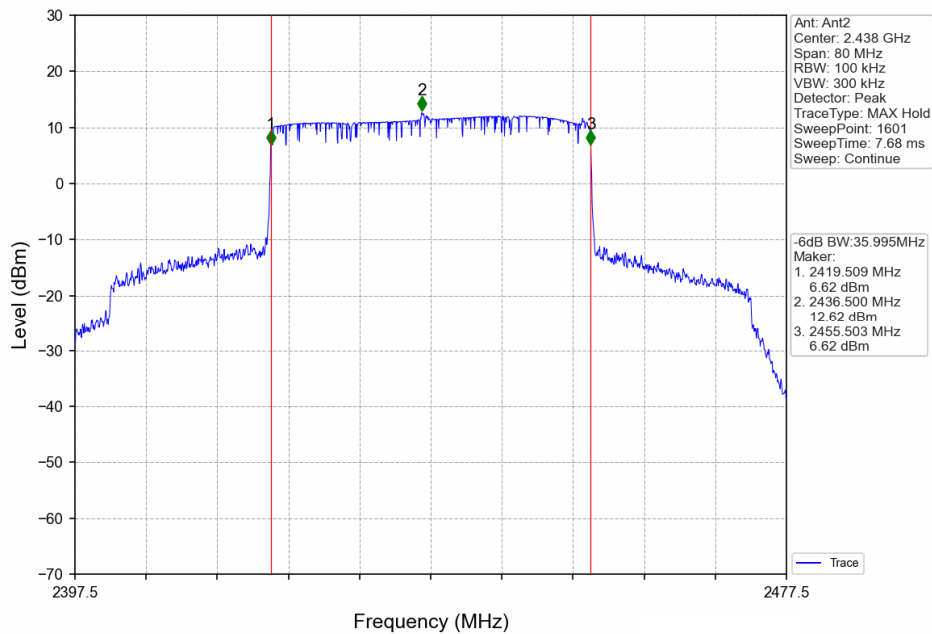
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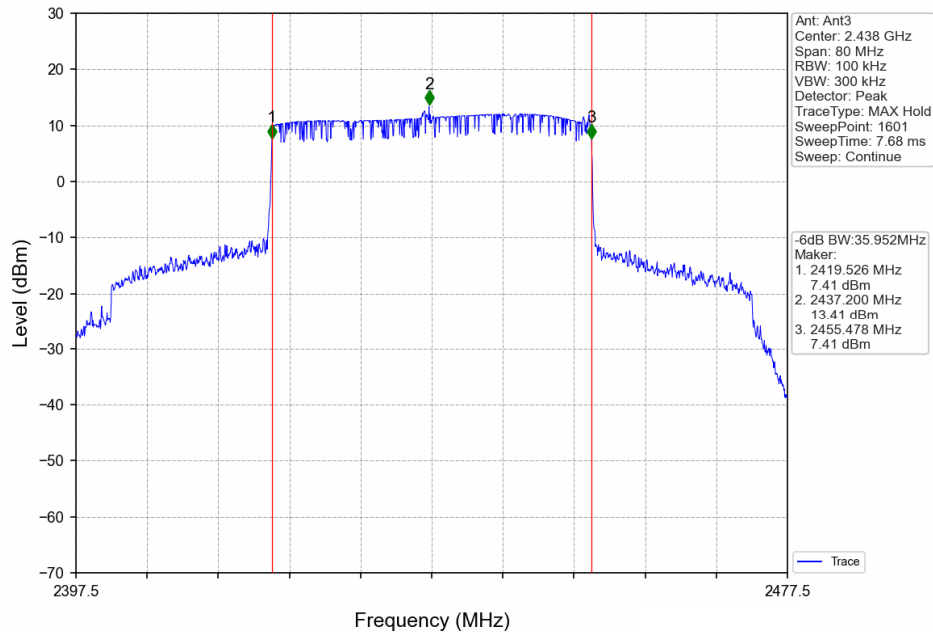
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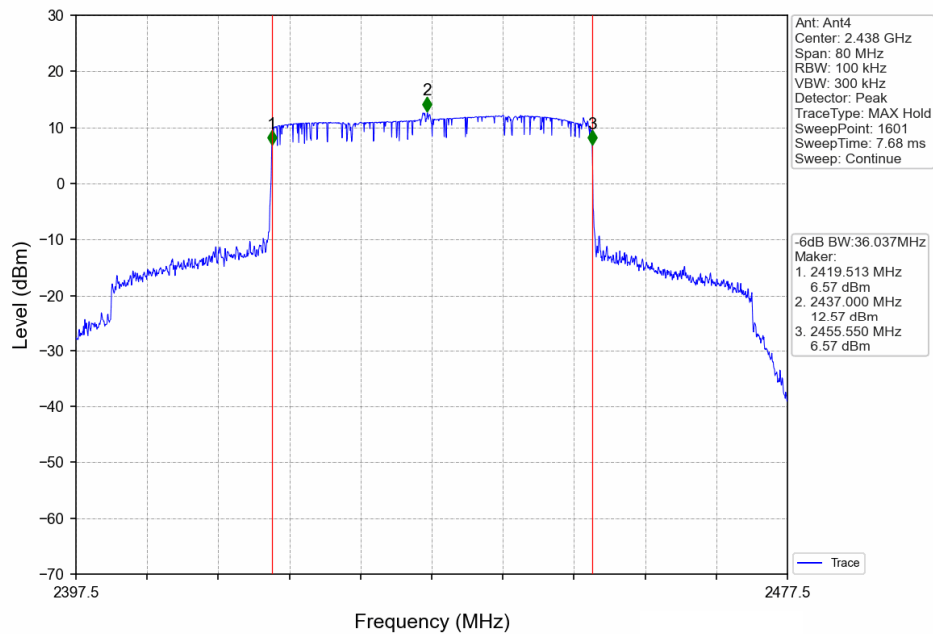
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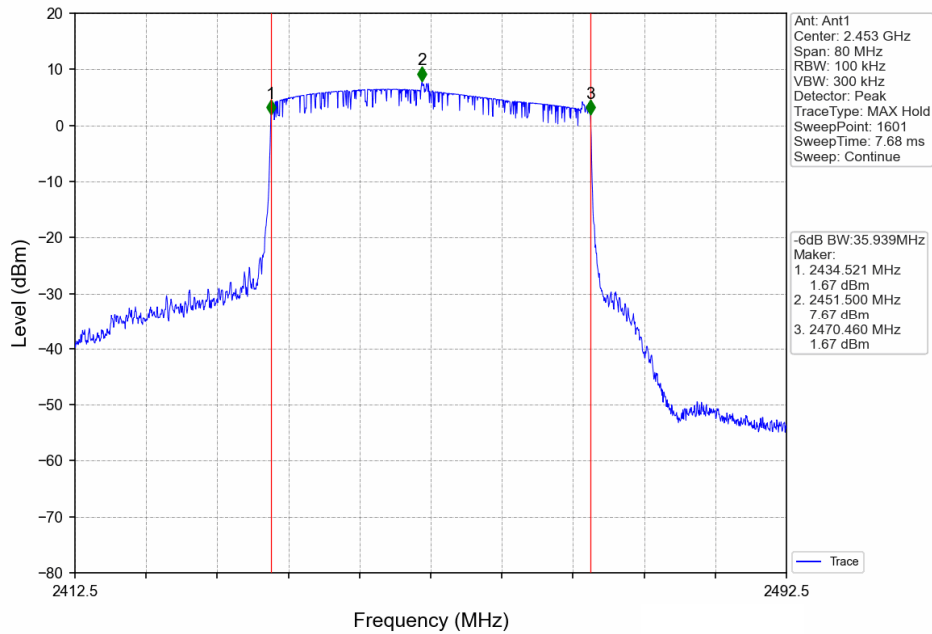
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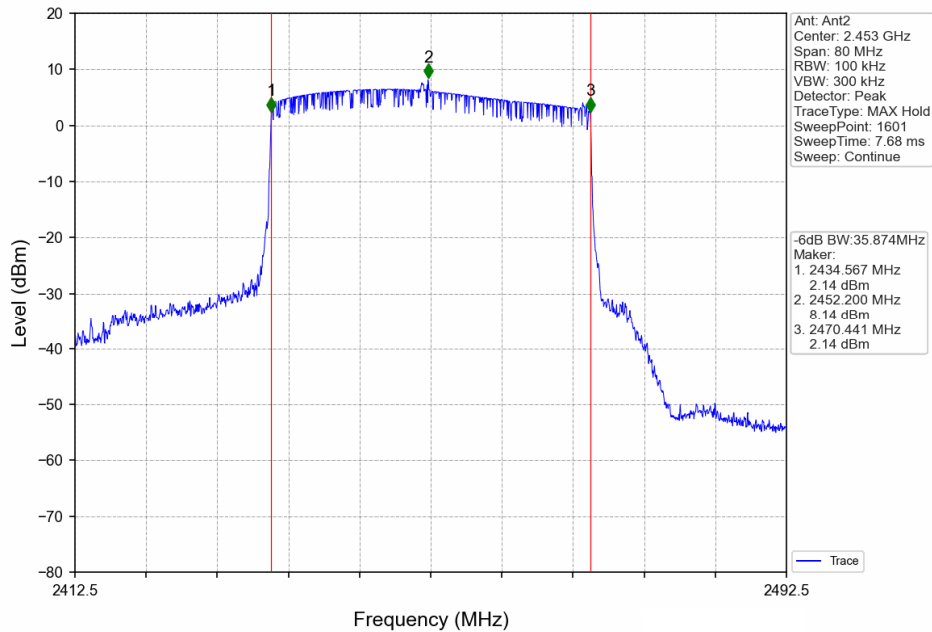
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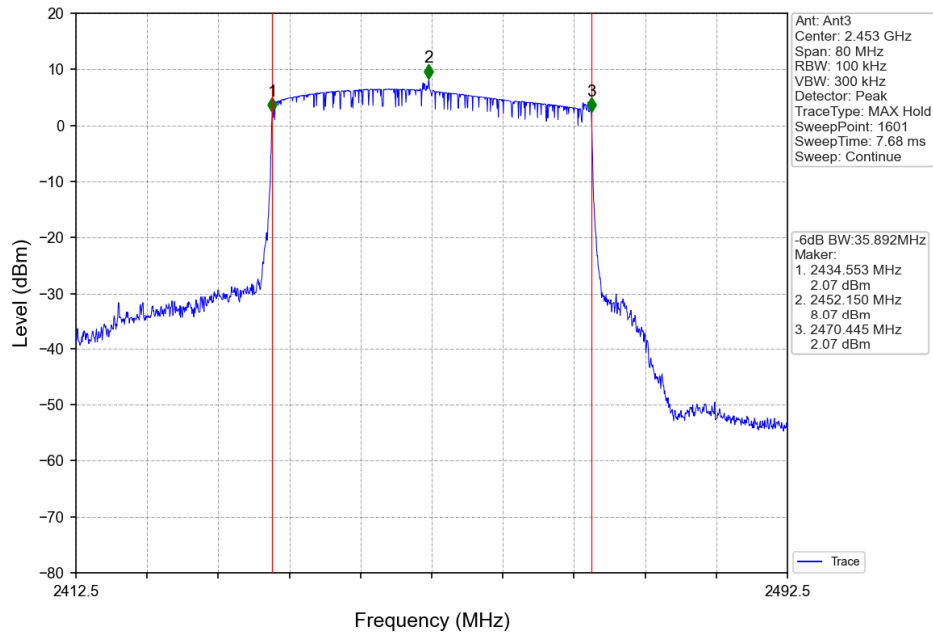
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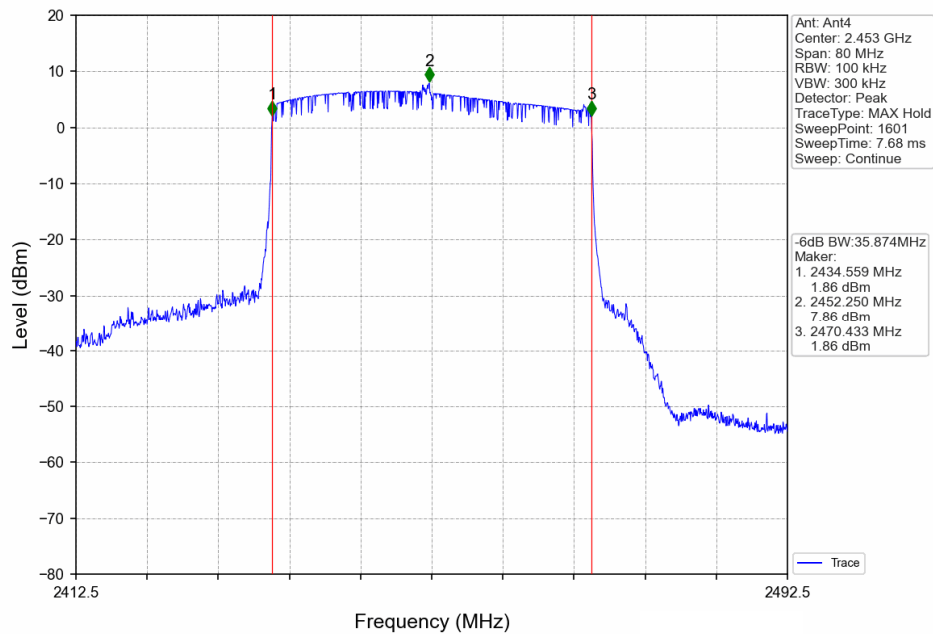
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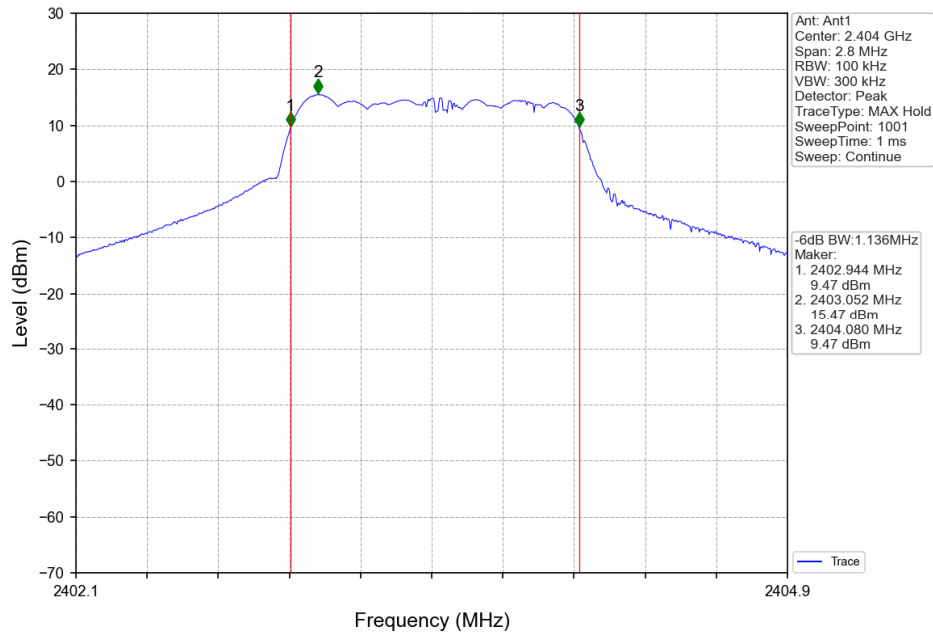
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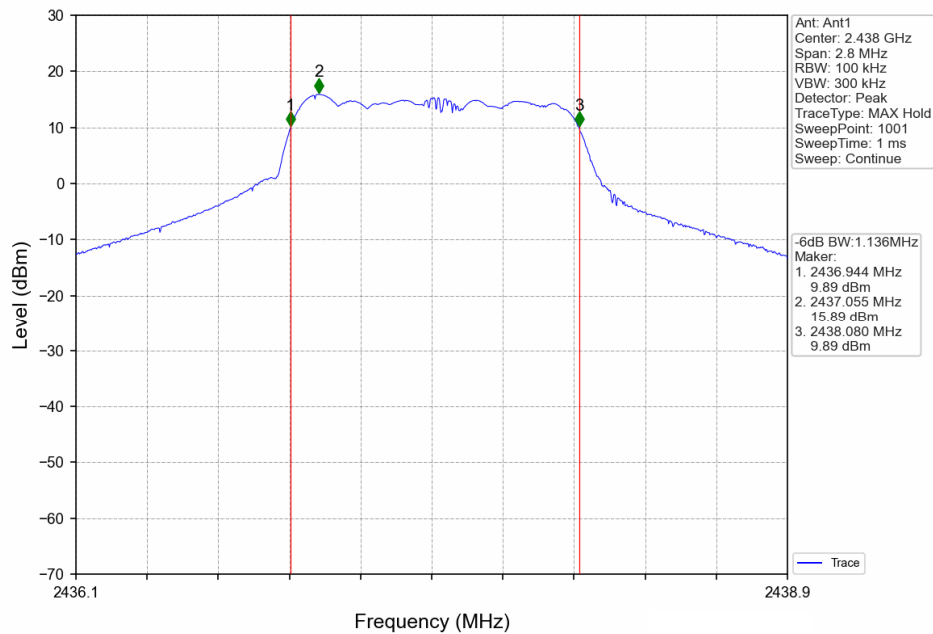
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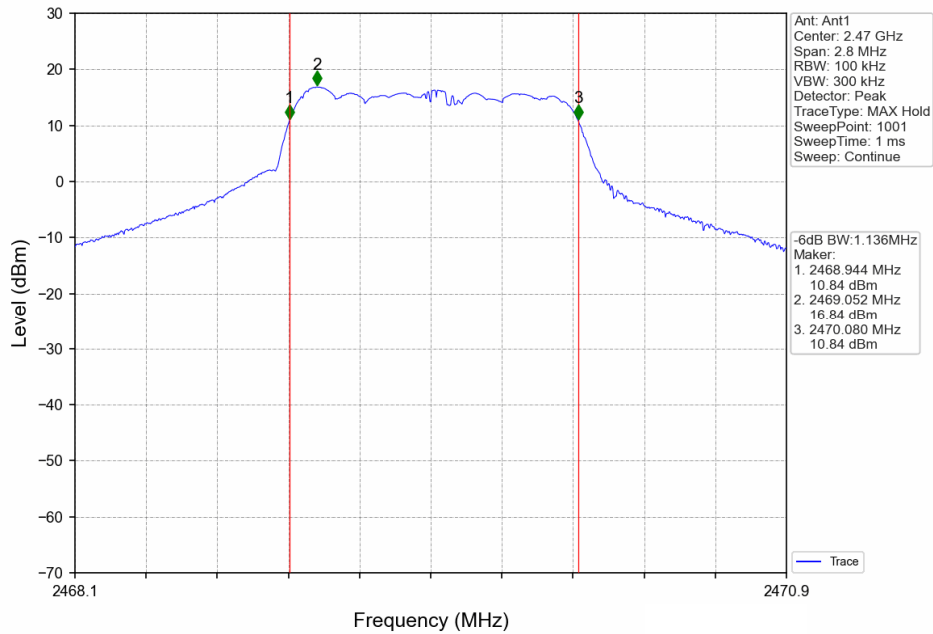
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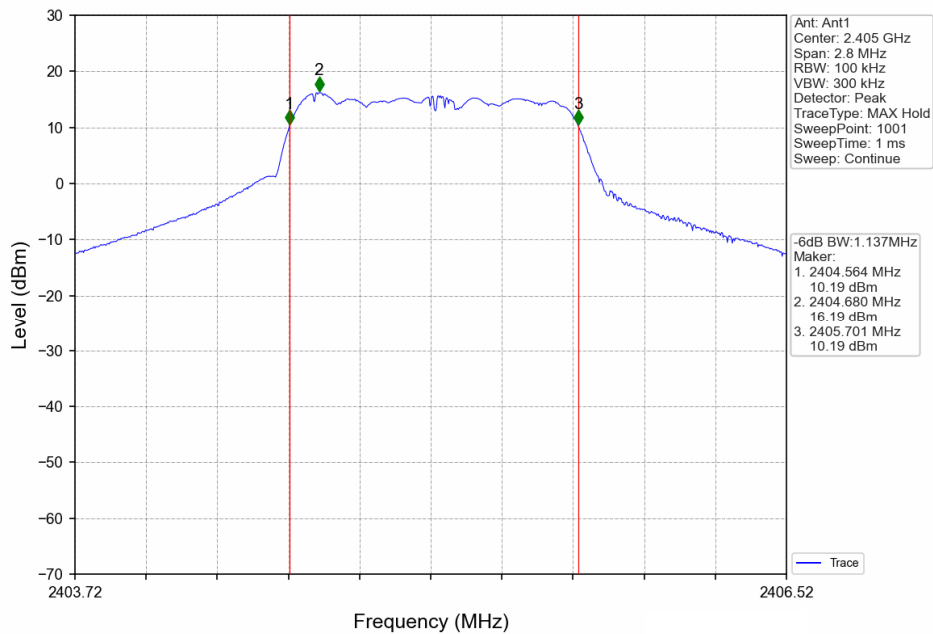
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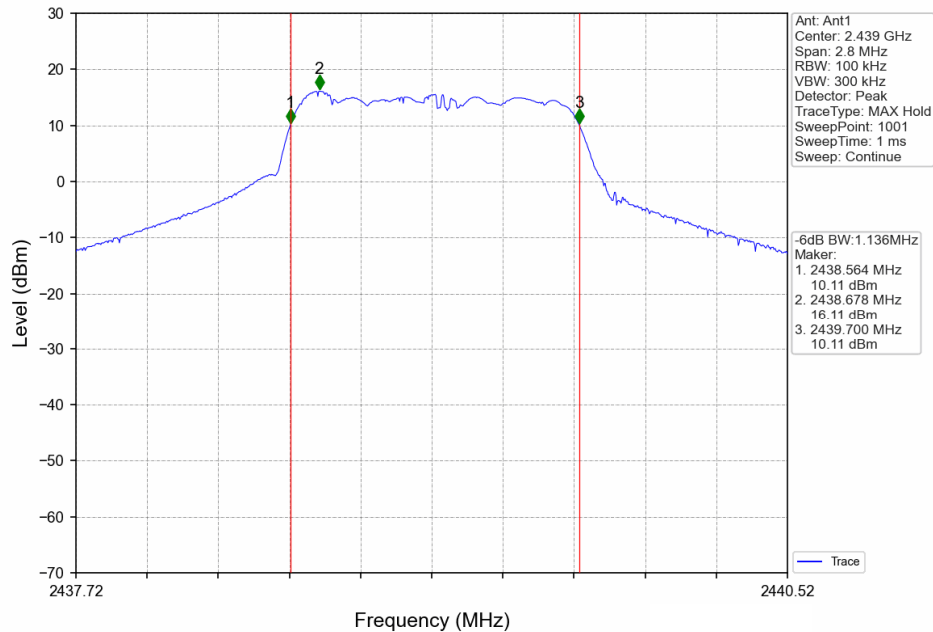
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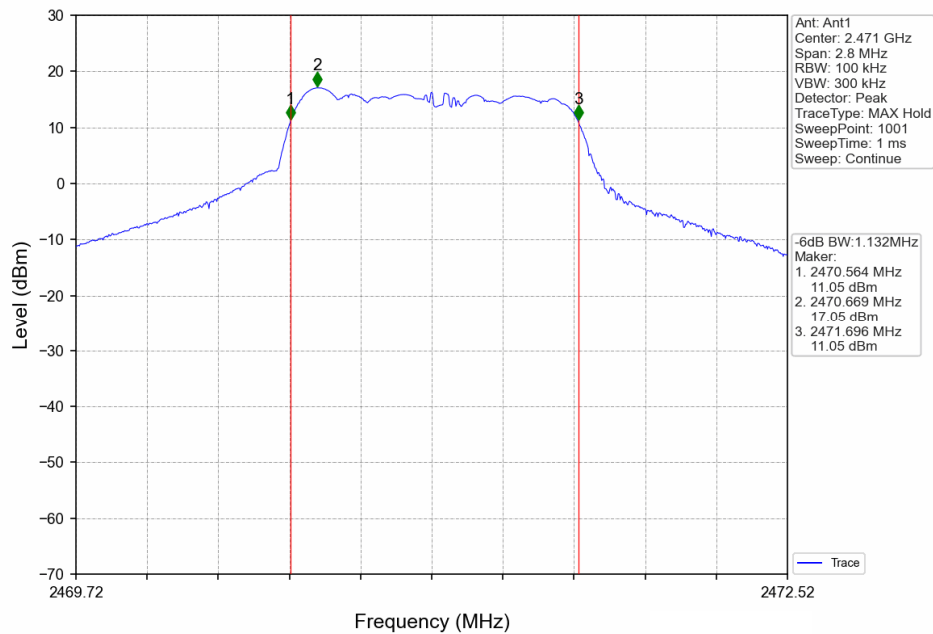
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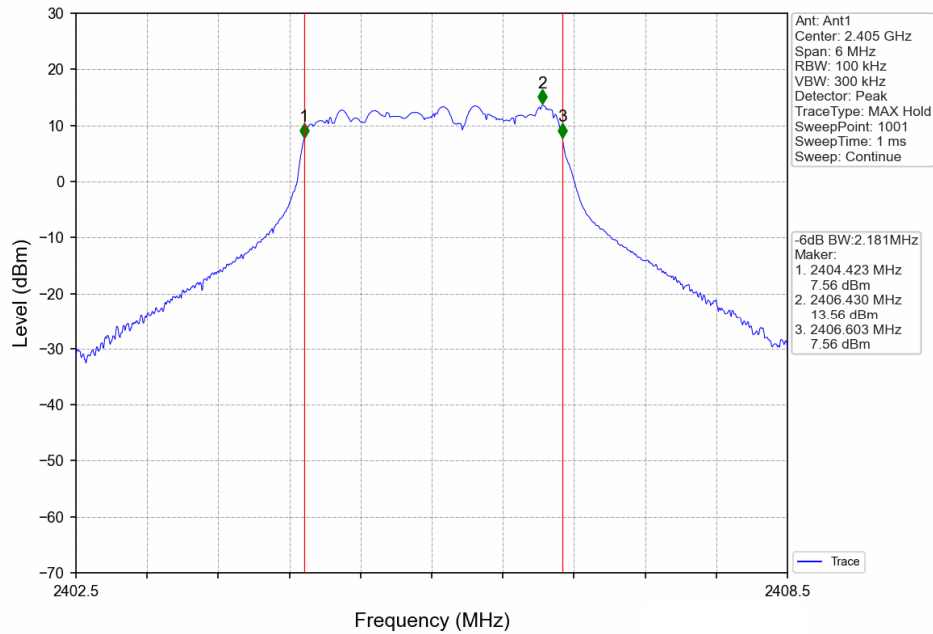
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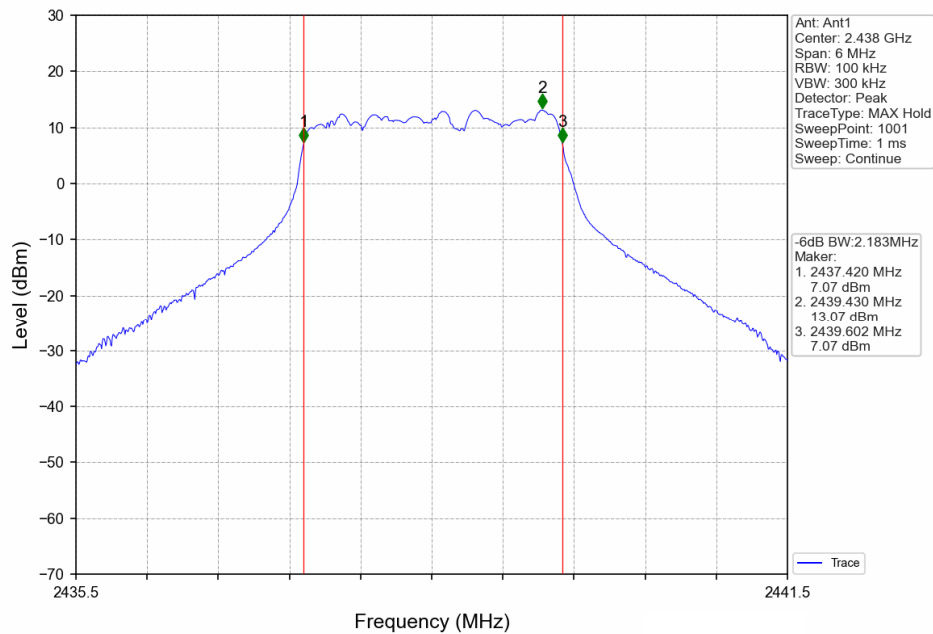
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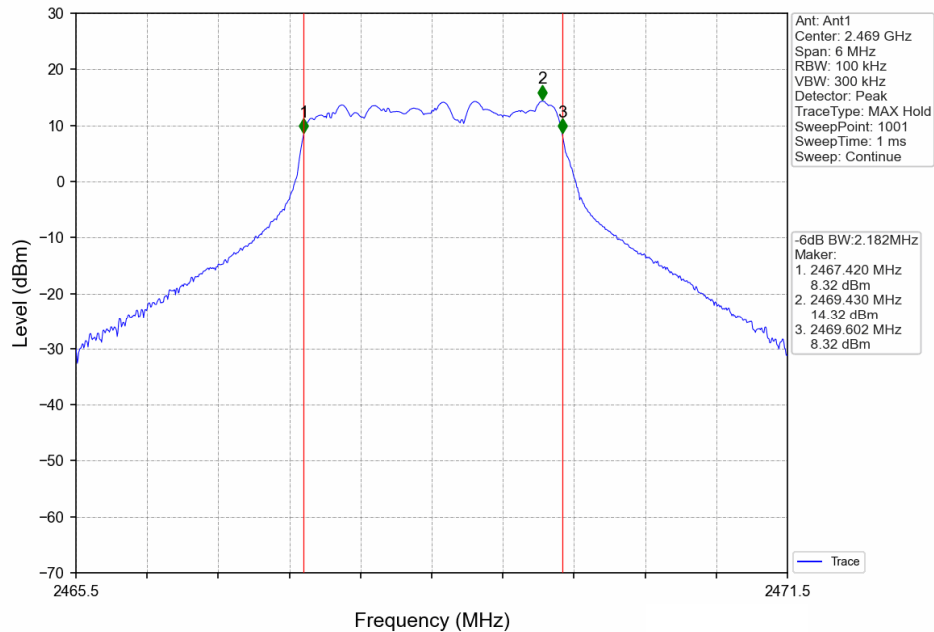
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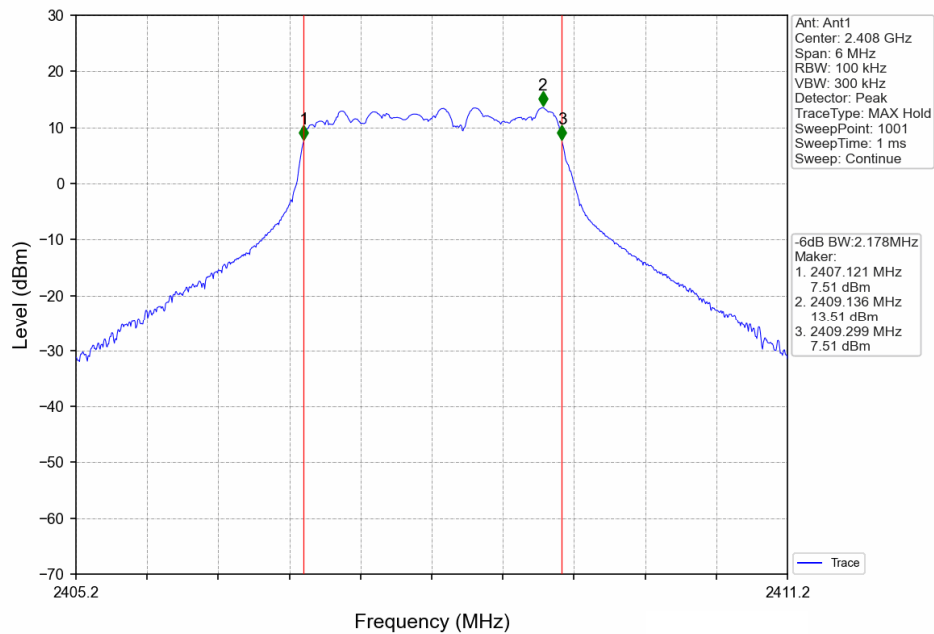
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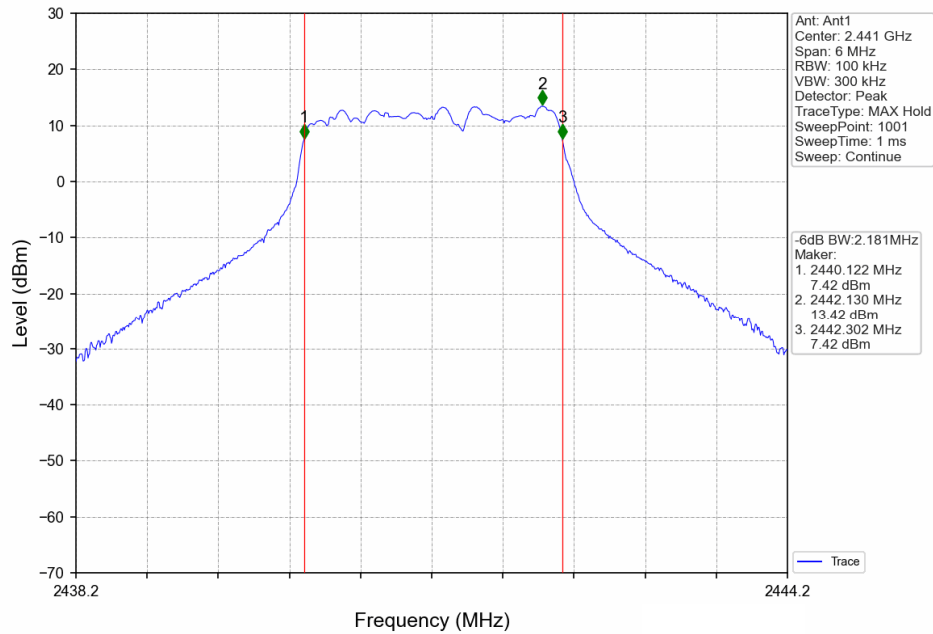
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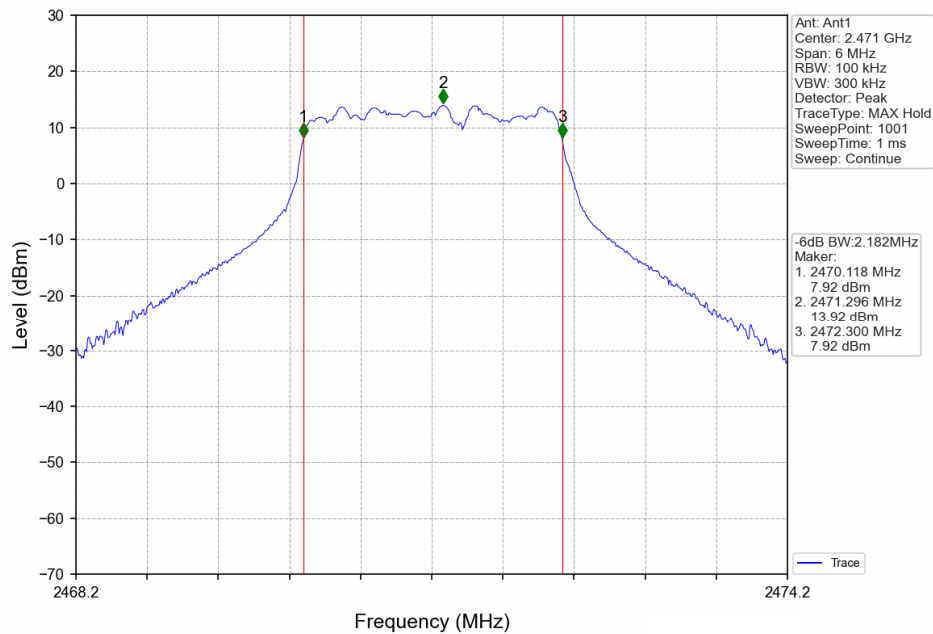
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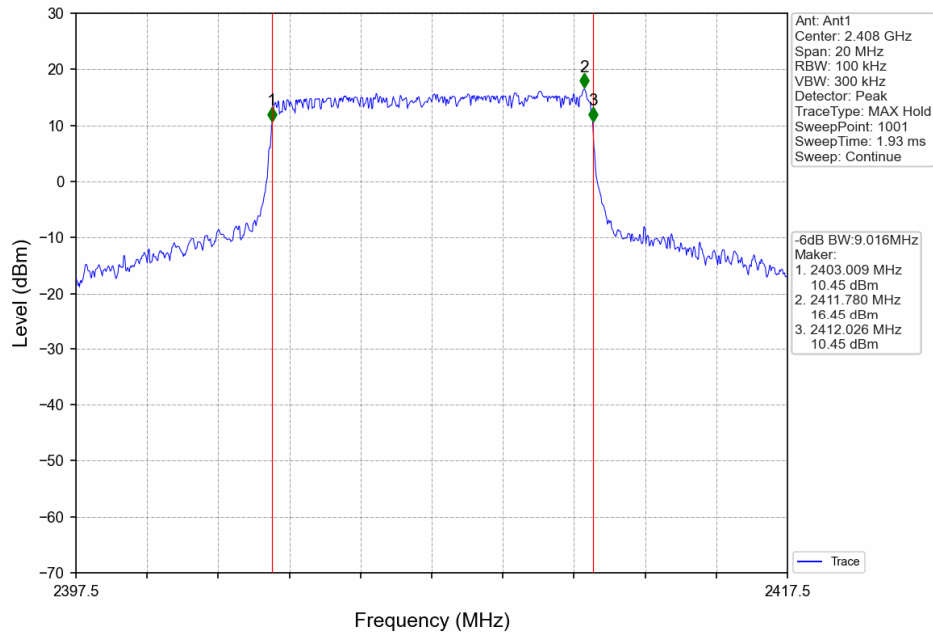
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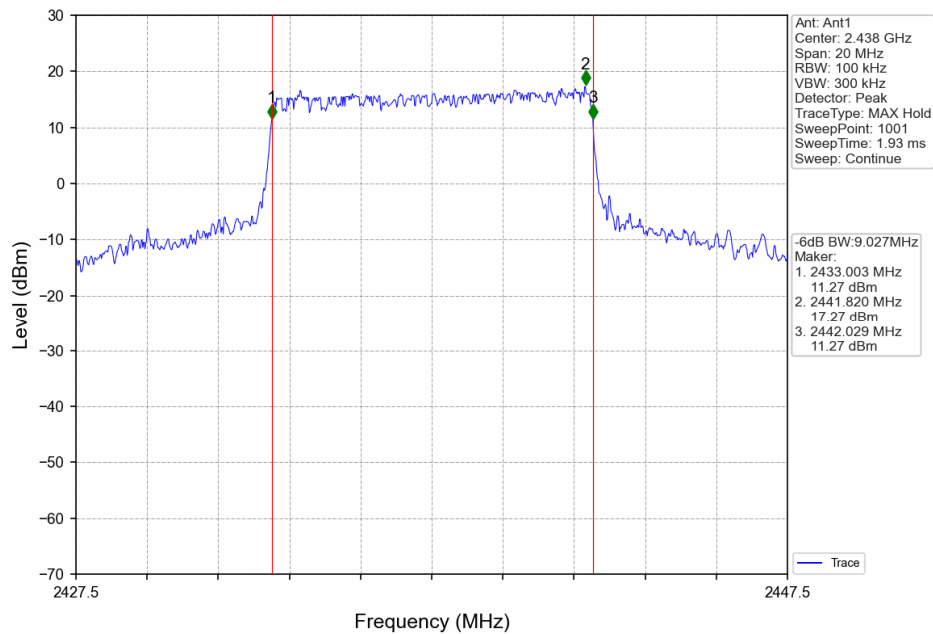
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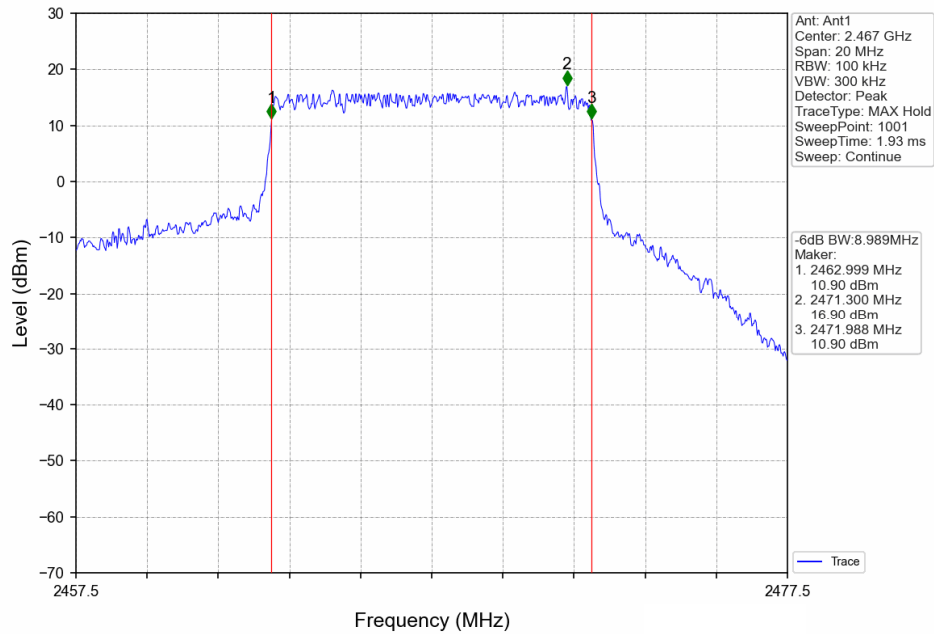
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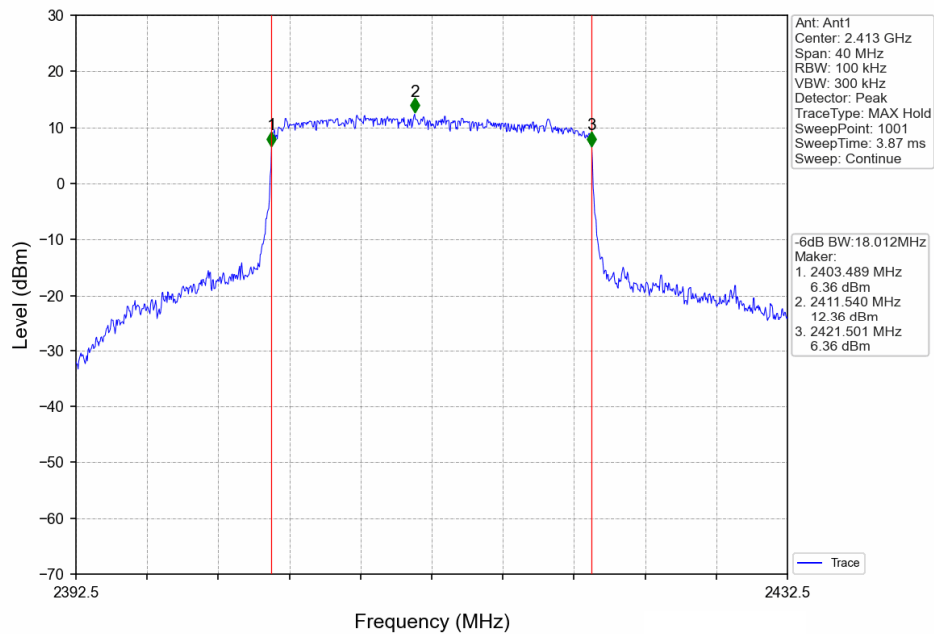
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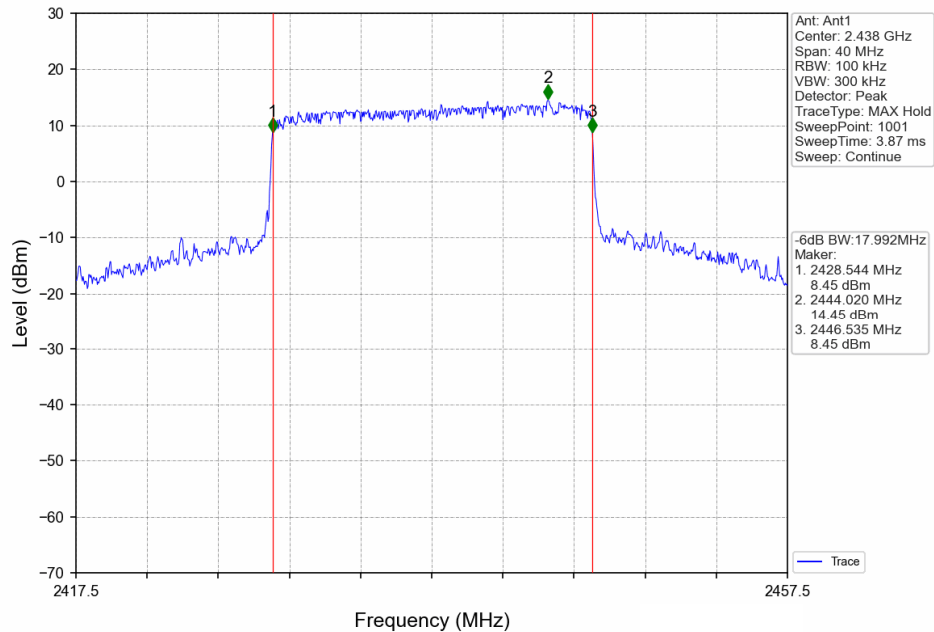
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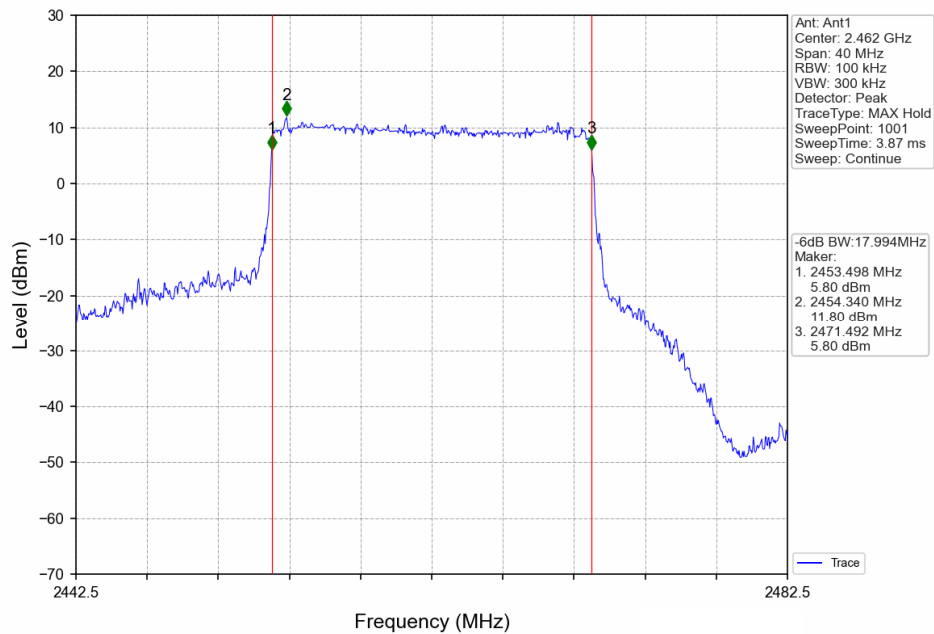
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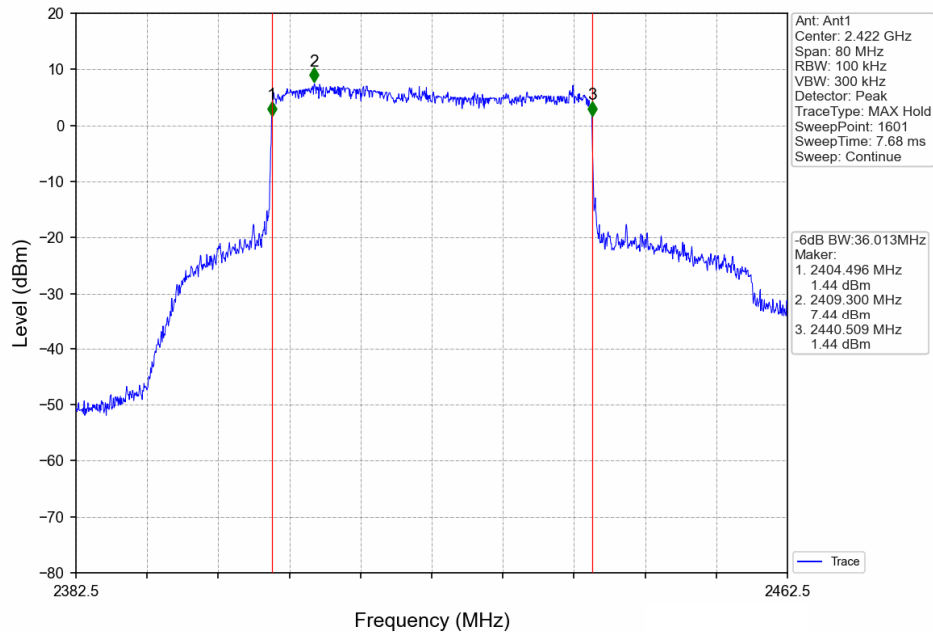
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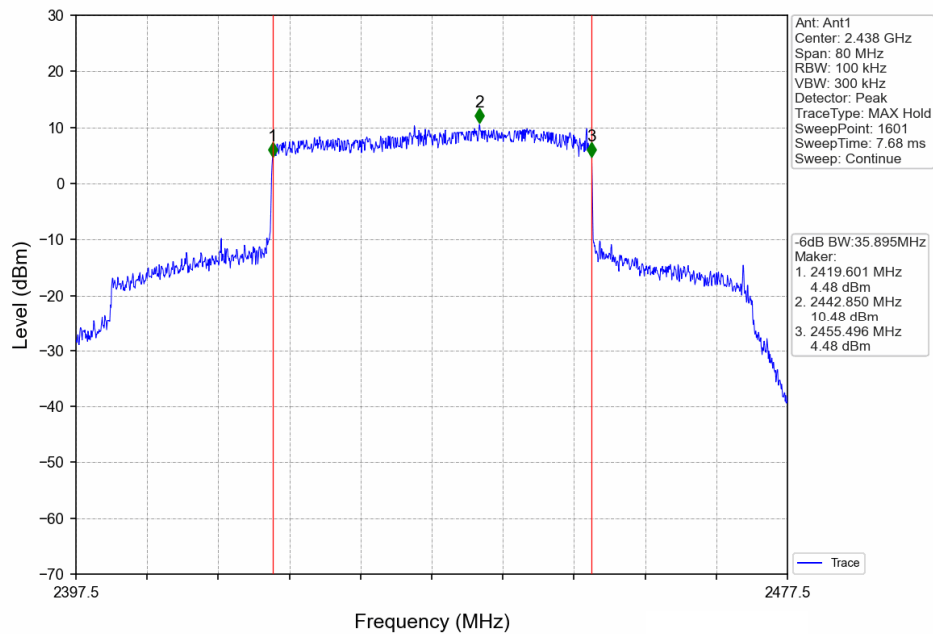
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40MHz BW_LCH_2422.5MHz_Ant1_NTNV



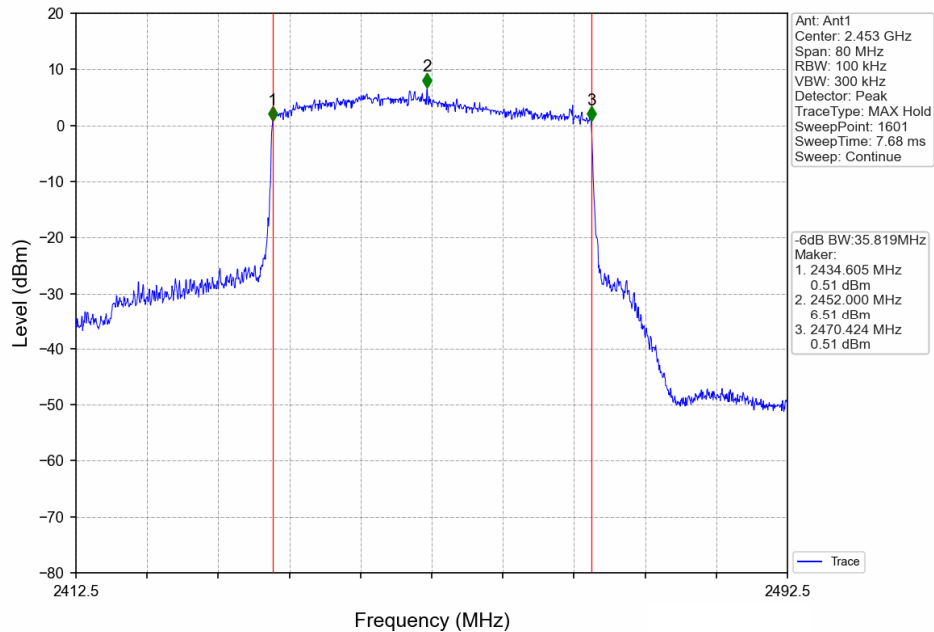
40MHz BW_MCH_2437.5MHz_Ant1_NTNV



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40MHz BW_HCH_2452.5MHz_Ant1_NTNV



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3. Maximum Conducted Output Power**3.1 Power****3.1.1 Test Result**

Mode	TX Type	Frequency (MHz)	Measured AV Output Power (dBm)					Verdict
			Ant1	Ant2	Ant3	Ant4	Limit	
1.4MHz BW	SISO	2403.5	16.83	16.18	16.19	16.19	<=30	Pass
		2437.5	17.15	16.29	16.27	16.29	<=30	Pass
		2469.5	17.61	16.05	16.13	16.11	<=30	Pass
1.4MHz CA BW	SISO	2405.12	17.12	16.25	16.19	16.19	<=30	Pass
		2439.12	17.22	16.44	16.44	16.42	<=30	Pass
		2471.12	17.30	15.63	15.62	15.62	<=30	Pass
3MHz BW	SISO	2405.5	16.06	16.05	16.04	16.15	<=30	Pass
		2438.5	16.44	16.49	16.51	16.54	<=30	Pass
		2468.5	16.90	16.43	16.42	16.45	<=30	Pass
3MHz CA BW	SISO	2408.2	16.62	16.69	16.73	16.72	<=30	Pass
		2441.2	16.70	16.83	16.84	16.78	<=30	Pass
		2471.2	16.71	15.66	15.73	15.76	<=30	Pass
10MHz BW	SISO	2407.5	26.02	25.99	26.01	26.01	<=30	Pass
		2437.5	26.40	26.42	26.40	26.39	<=30	Pass
		2467.5	25.13	25.74	25.73	25.43	<=30	Pass
20MHz BW	SISO	2412.5	26.58	26.55	26.58	26.54	<=30	Pass
		2437.5	26.59	26.59	26.61	26.61	<=30	Pass
		2462.5	21.62	21.18	21.16	21.14	<=30	Pass
40MHz BW	SISO	2422.5	20.51	20.48	20.48	20.46	<=30	Pass
		2437.5	24.14	24.22	24.22	24.26	<=30	Pass
		2452.5	18.75	18.72	18.75	18.77	<=30	Pass

Note1: Antenna Gain: Ant1: 1.50dBi; Ant2: 2.00dBi; Ant3: 2.00dBi; Ant4: 1.50dBi;

ENV	Mode	TX Type	Frequency (MHz)	Measured AV Output Power (dBm)				Verdict
				Ant1	Ant2	Sum	Limit	
NTNV	1.4MHz BW	MIMO	2403.5	16.53	16.23	19.39	<=30	Pass
			2437.5	16.80	16.98	19.90	<=30	Pass
			2469.5	17.77	17.61	20.70	<=30	Pass
	1.4MHz CA BW	MIMO	2405.12	17.21	16.74	19.99	<=30	Pass
			2439.12	17.04	17.10	20.08	<=30	Pass
			2471.12	17.88	17.83	20.87	<=30	Pass
	3MHz BW	MIMO	2405.5	16.71	16.32	19.53	<=30	Pass
			2438.5	16.37	16.96	19.69	<=30	Pass
			2468.5	17.59	17.12	20.37	<=30	Pass
	3MHz CA BW	MIMO	2408.2	16.91	16.58	19.76	<=30	Pass
			2441.2	16.72	17.15	19.95	<=30	Pass
			2471.2	17.36	17.35	20.37	<=30	Pass
	10MHz BW	MIMO	2407.5	23.95	23.87	26.92	<=30	Pass
			2437.5	25.53	25.81	28.68	<=30	Pass
			2467.5	25.07	25.20	28.15	<=30	Pass
	20MHz BW	MIMO	2412.5	24.09	23.88	27.00	<=30	Pass
			2437.5	25.63	26.00	28.83	<=30	Pass
			2462.5	22.62	22.88	25.76	<=30	Pass
	40MHz BW	MIMO	2422.5	21.87	21.70	24.80	<=30	Pass
			2437.5	24.43	24.54	27.50	<=30	Pass
			2452.5	19.78	19.93	22.87	<=30	Pass
Note1: Antenna Gain: Ant1: 1.50dBi; Ant2: 2.00dBi Note2: Directional Gain=10log [(10 ^{G1/20} + 10 ^{G2/20}) ² /N _{ANT}] = 10log [(10 ^{1.50/20} + 10 ^{2.00/20}) ² /2] = 4.76dBi. Note3: Antennas 1+2,1+4,2+3 and 3+4 were tested. Only the worst case(Antenna 1+2) was recorded in the report.								

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	Ant3	Ant4	Limit	
1.4MHz BW	SISO	2403.5	1.47	0.83	0.84	0.89	<=8	Pass
		2437.5	1.93	1.03	0.90	1.02	<=8	Pass
		2469.5	2.36	0.84	0.95	0.94	<=8	Pass
1.4MHz CA BW	SISO	2405.12	1.59	0.91	0.89	0.88	<=8	Pass
		2439.12	1.92	1.20	1.03	1.06	<=8	Pass
		2471.12	2.03	0.56	0.54	0.57	<=8	Pass
3MHz BW	SISO	2405.5	-3.06	-2.84	-2.80	-2.66	<=8	Pass
		2438.5	-2.58	-2.66	-2.51	-2.73	<=8	Pass
		2468.5	-1.86	-2.15	-2.20	-2.23	<=8	Pass
3MHz CA BW	SISO	2408.2	-2.74	-2.14	-2.10	-2.13	<=8	Pass
		2441.2	-2.41	-2.64	-2.13	-2.48	<=8	Pass
		2471.2	-1.96	-3.04	-2.78	-2.91	<=8	Pass
10MHz BW	SISO	2407.5	0.47	0.82	0.88	0.65	<=8	Pass
		2437.5	1.14	0.81	1.24	1.02	<=8	Pass
		2467.5	-0.29	0.80	0.57	1.16	<=8	Pass
20MHz BW	SISO	2412.5	-1.27	-1.57	-1.56	-1.48	<=8	Pass
		2437.5	-1.52	-1.83	-1.39	-1.21	<=8	Pass
		2462.5	-6.25	-6.71	-6.85	-7.13	<=8	Pass
40MHz BW	SISO	2422.5	-9.81	-9.82	-10.14	-9.87	<=8	Pass
		2437.5	-6.62	-6.66	-6.27	-6.44	<=8	Pass
		2452.5	-11.03	-11.58	-12.08	-11.71	<=8	Pass

Note1: Antenna Gain: Ant1: 1.50dBi; Ant2: 2.00dBi; Ant3: 2.00dBi; Ant4: 1.50dBi;

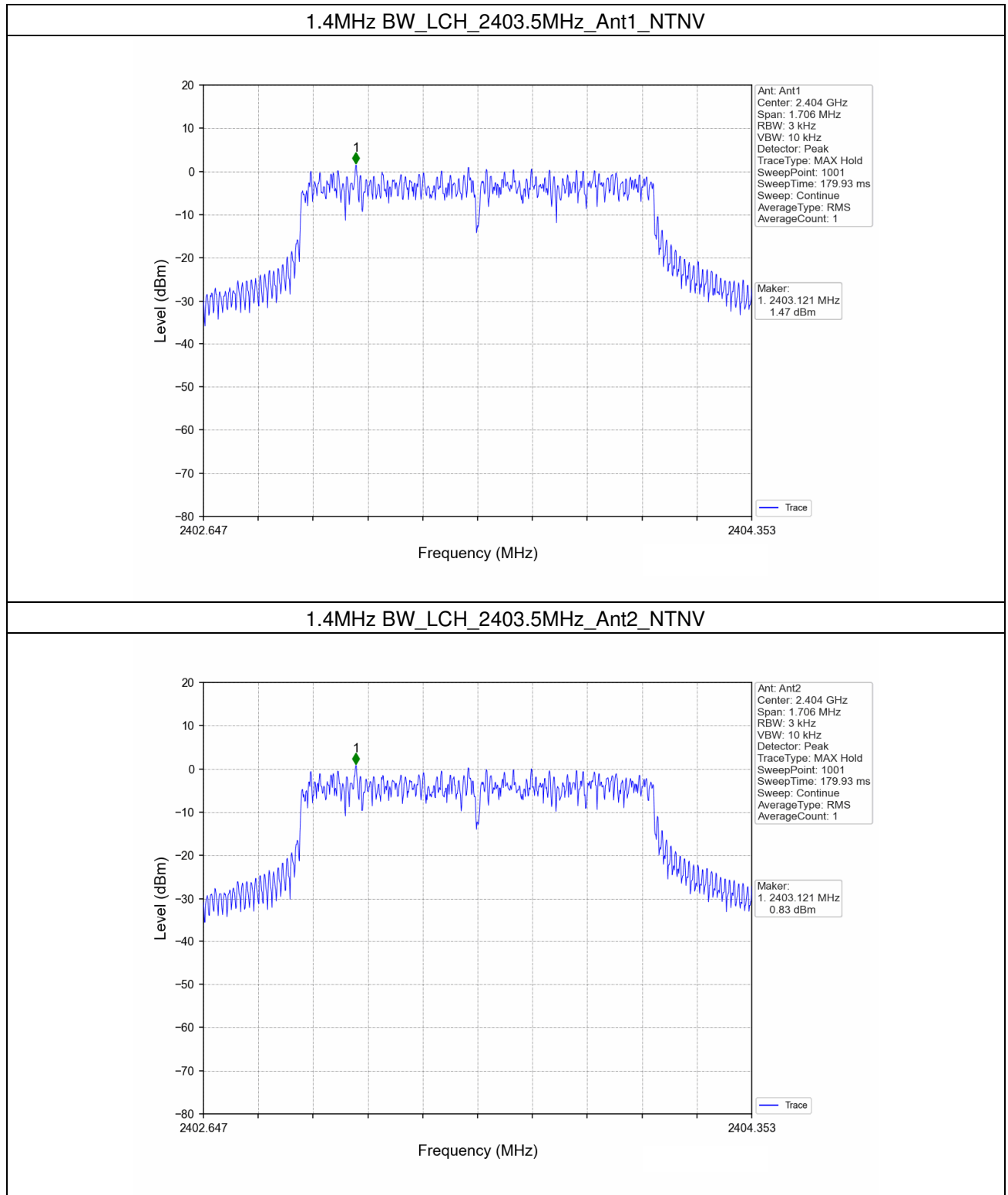
ENV	Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
				Ant1	Ant2	Sum	Limit	
NTNV	1.4MHz BW	MIMO	2403.5	2.39	2.85	3.45	<=8	Pass
			2437.5	2.51	3.51	4.03	<=8	Pass
			2469.5	3.50	4.29	4.86	<=8	Pass
	1.4MHz CA BW	MIMO	2405.12	3.02	3.35	3.96	<=8	Pass
			2439.12	2.76	3.66	4.19	<=8	Pass
			2471.12	3.51	4.52	5.01	<=8	Pass
	3MHz BW	MIMO	2405.5	0.06	-0.47	0.45	<=8	Pass
			2438.5	-0.25	0.11	0.82	<=8	Pass
			2468.5	0.93	0.12	1.26	<=8	Pass
	3MHz CA BW	MIMO	2408.2	0.24	-0.40	0.52	<=8	Pass
			2441.2	-0.01	0.36	1.11	<=8	Pass
			2471.2	0.85	0.44	1.38	<=8	Pass
	10MHz BW	MIMO	2407.5	-1.08	-1.37	0.90	<=8	Pass
			2437.5	0.04	0.65	2.60	<=8	Pass
			2467.5	-0.22	-0.42	2.32	<=8	Pass
	20MHz BW	MIMO	2412.5	-3.53	-4.13	-1.71	<=8	Pass
			2437.5	-2.35	-1.67	0.46	<=8	Pass
			2462.5	-5.21	-5.17	-2.43	<=8	Pass
	40MHz BW	MIMO	2422.5	-8.89	-9.24	-6.20	<=8	Pass
			2437.5	-6.08	-6.10	-3.48	<=8	Pass
			2452.5	-10.44	-10.24	-7.81	<=8	Pass

Note1: Antenna Gain: Ant1: 1.50dBi; Ant2: 2.00dBi;

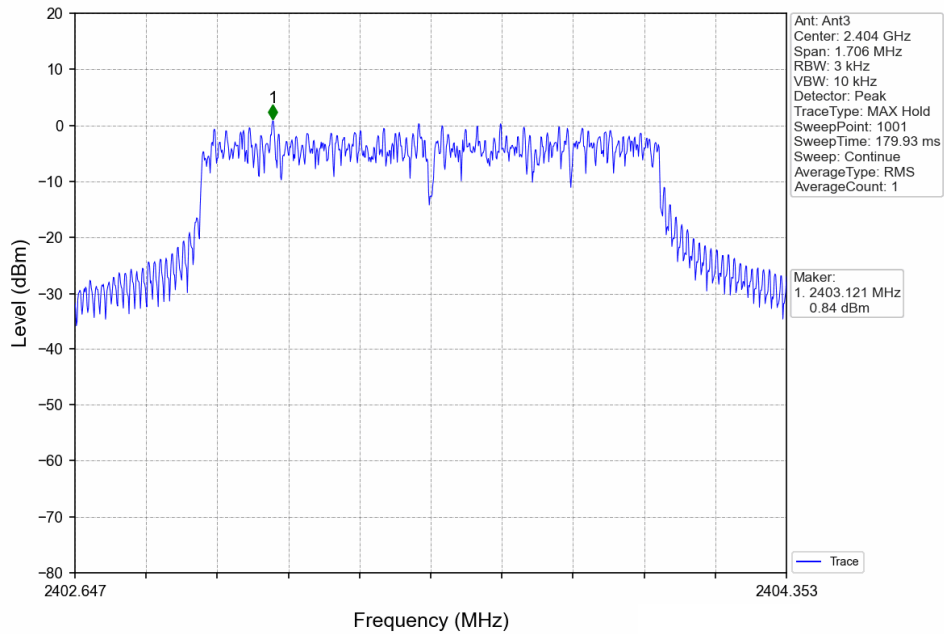
Note2: Antennas 1+2,1+4,2+3 and 3+4 were tested. Only the worst case(Antenna 1+2) was recorded in the report.

Note3: Directional Gain= $10\log [(10^{G1/20} + 10^{G2/20})^2/N_{ANT}] = 10\log [(10^{1.50/20} + 10^{2.00/20})^2/2] = 4.76\text{dBi}$.

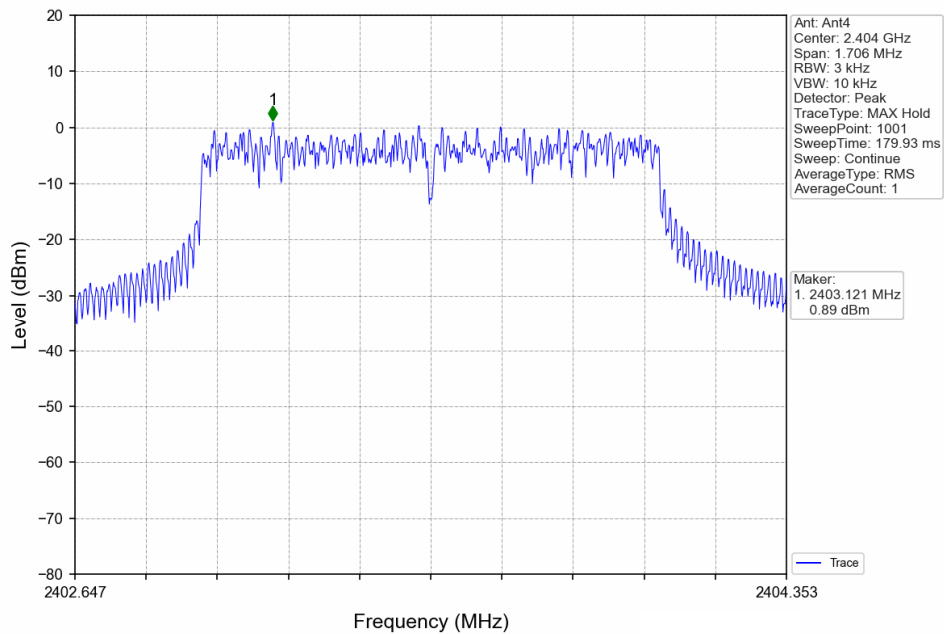
4.1.2 Test Graph



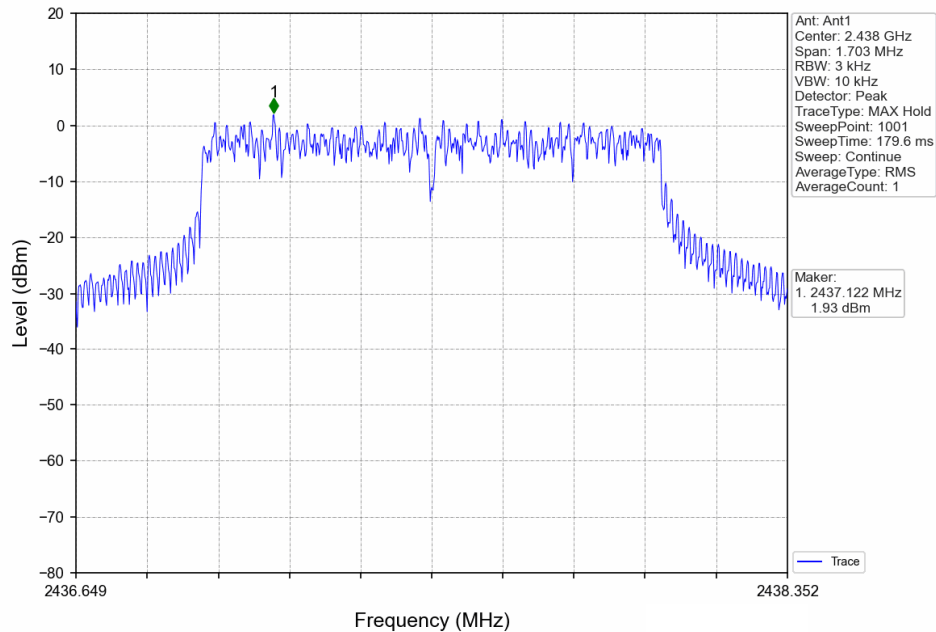
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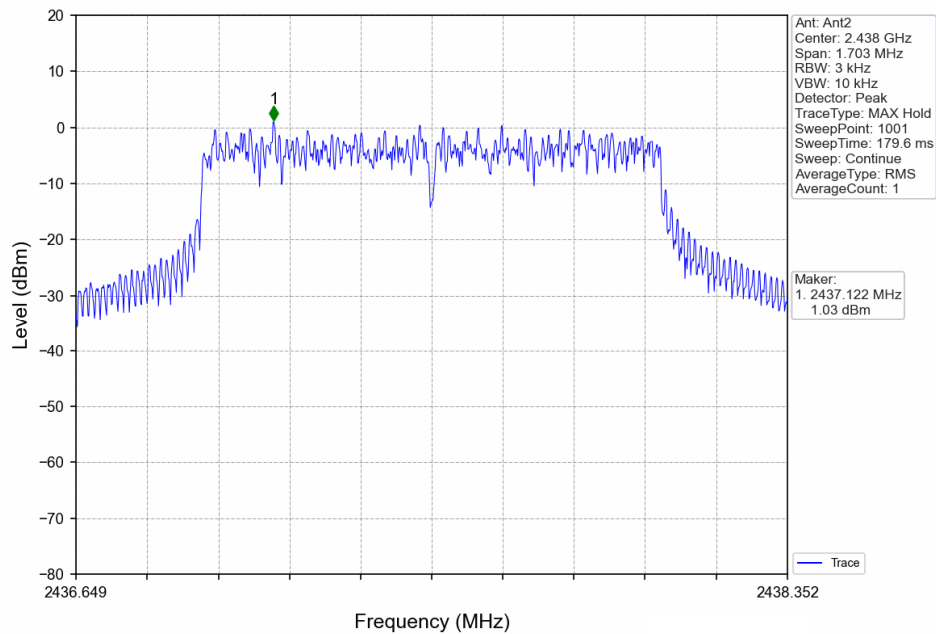
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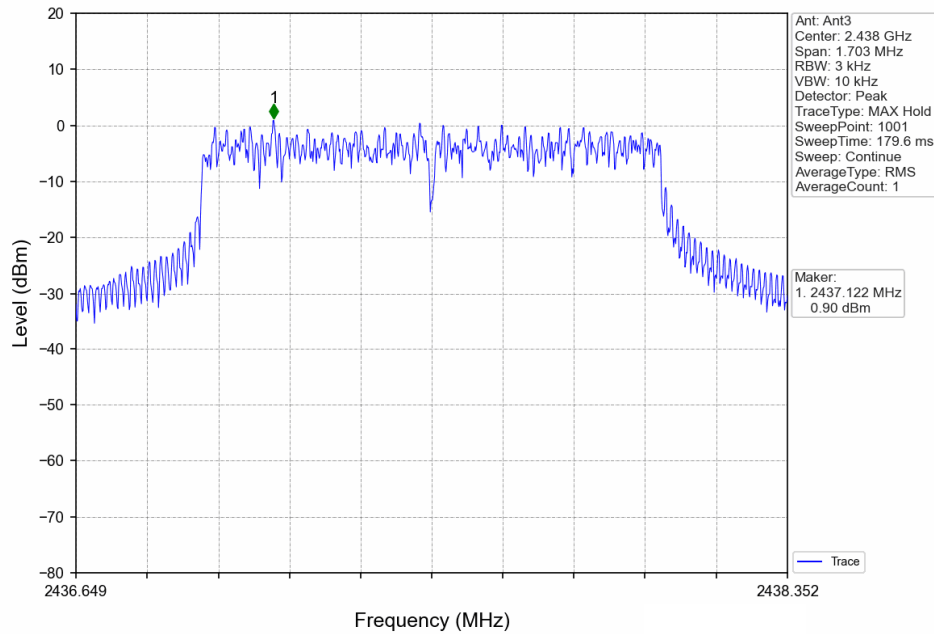
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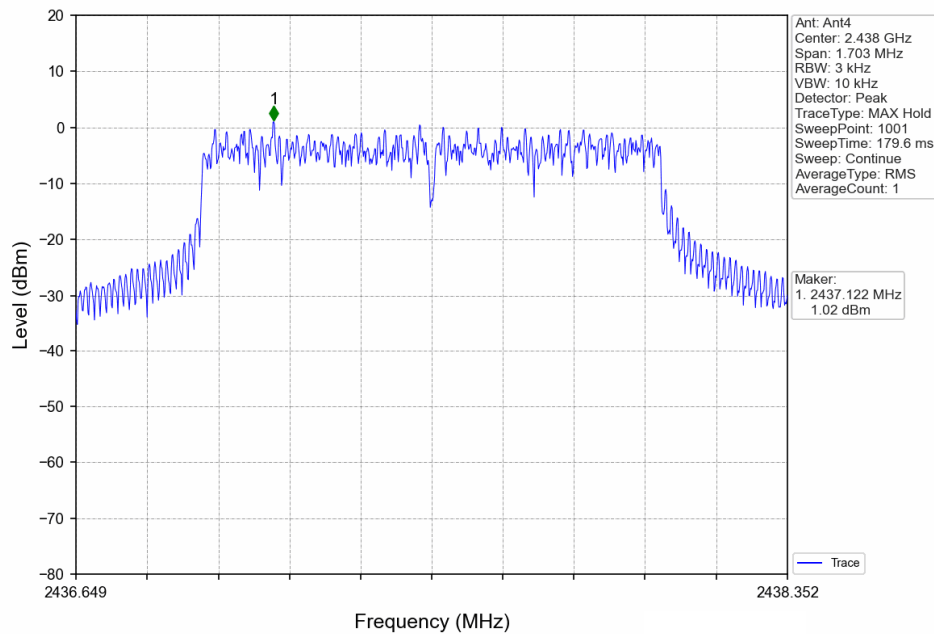
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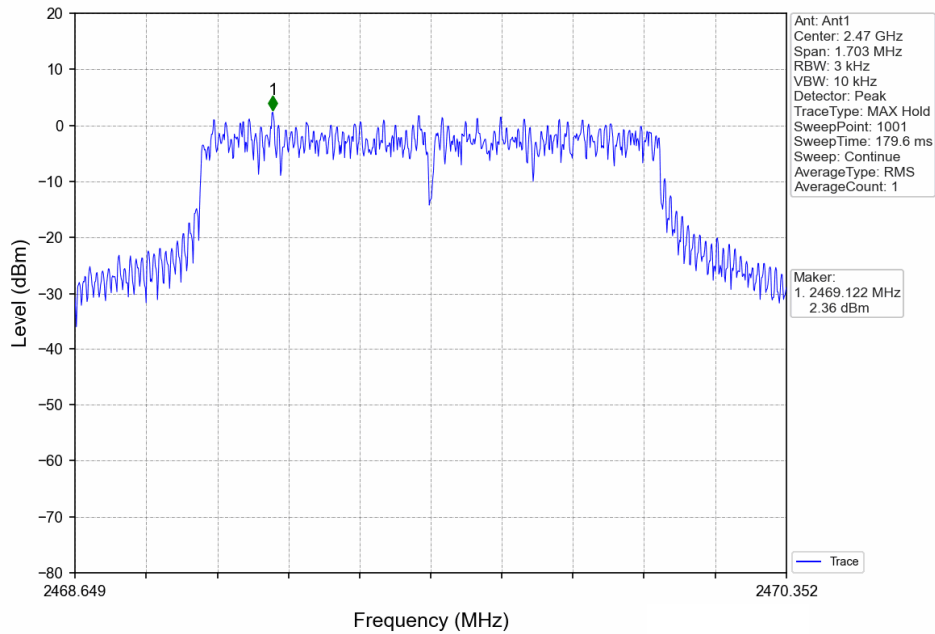
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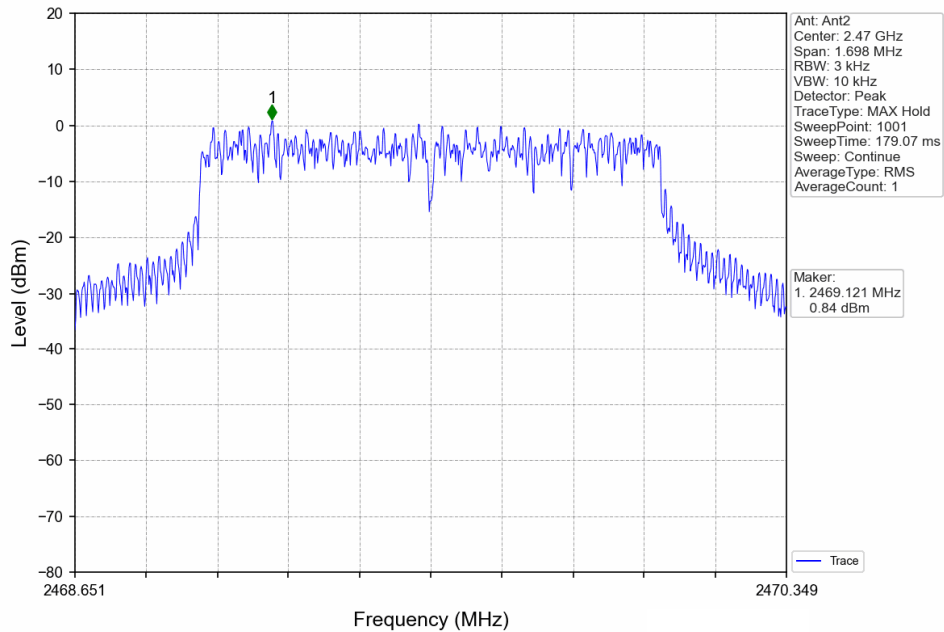
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1.4MHz BW_HCH_2469.5MHz_Ant1_NTNV

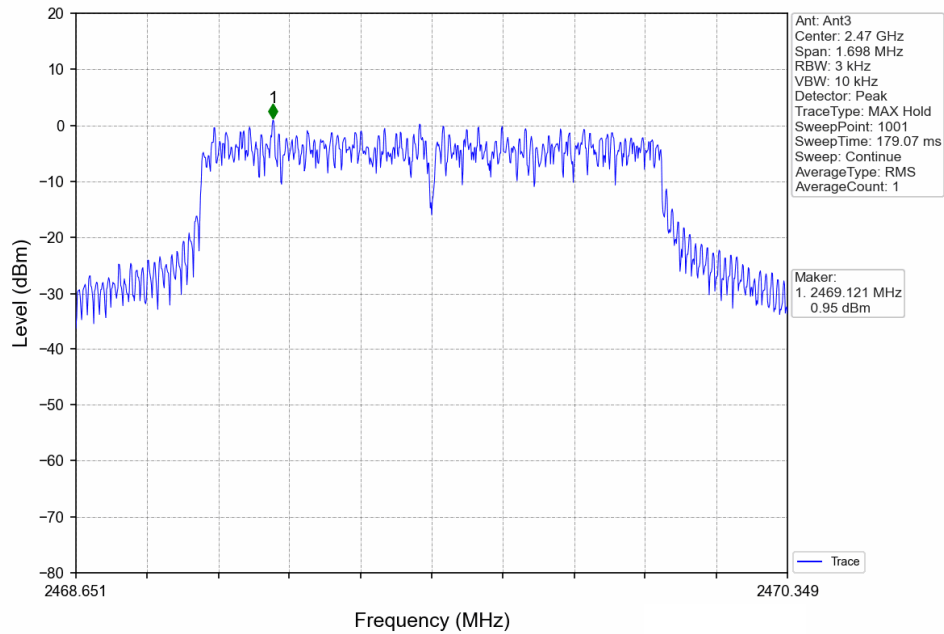


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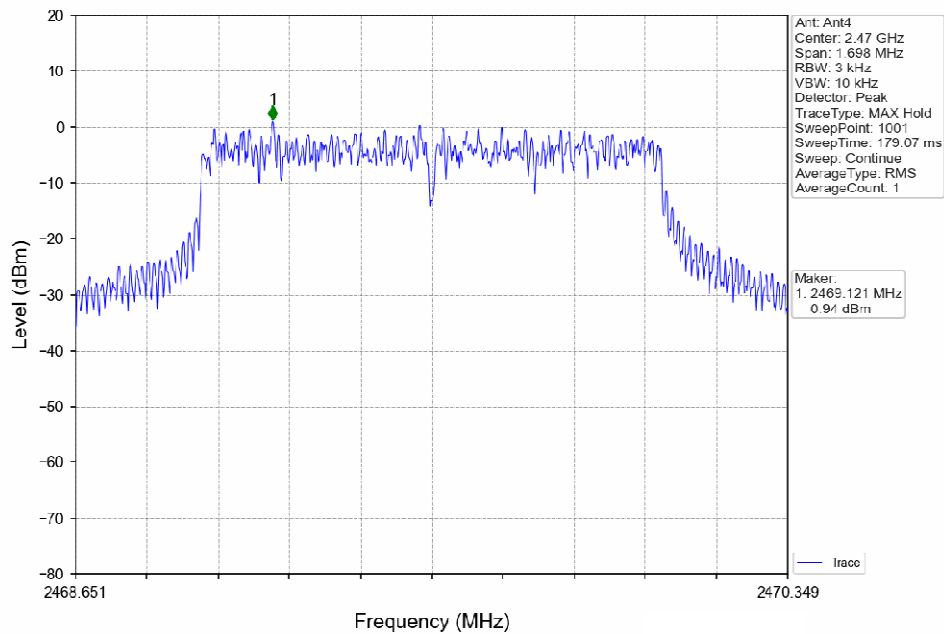


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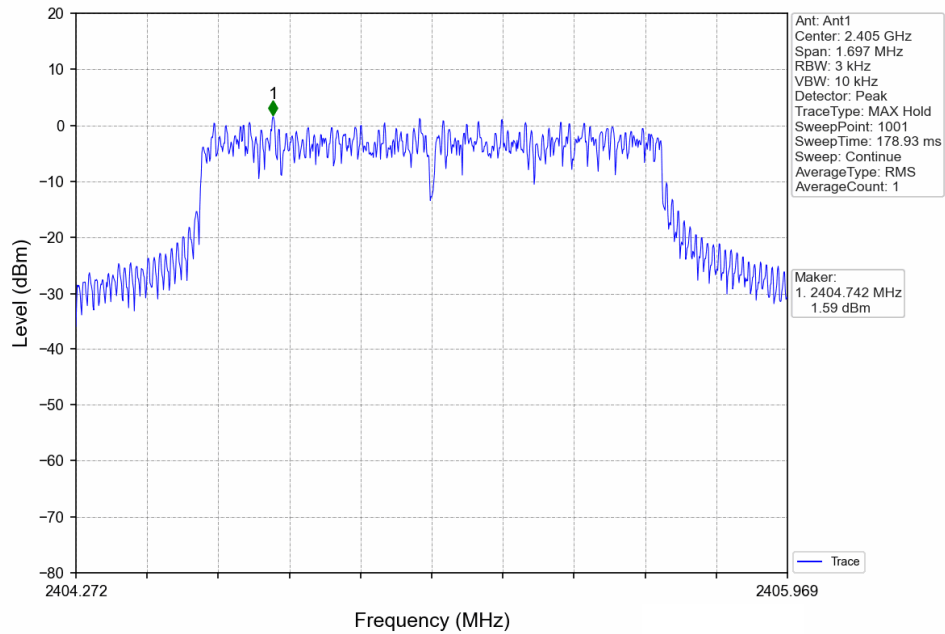
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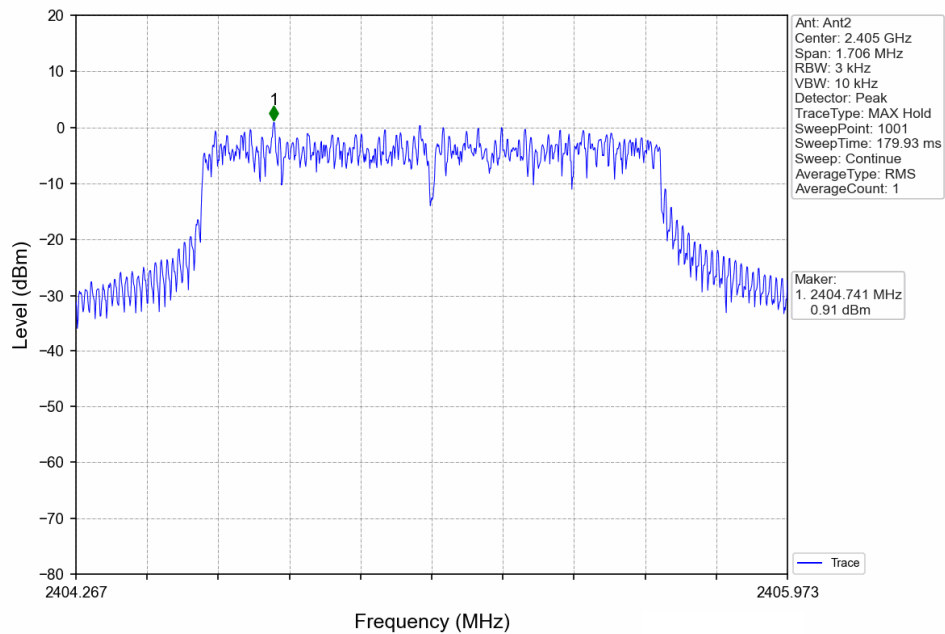
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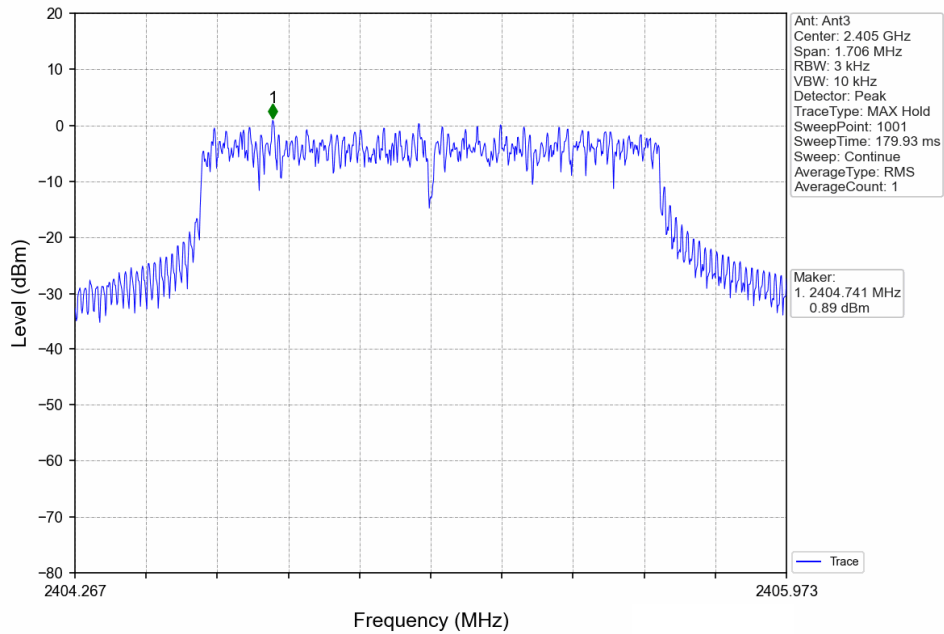
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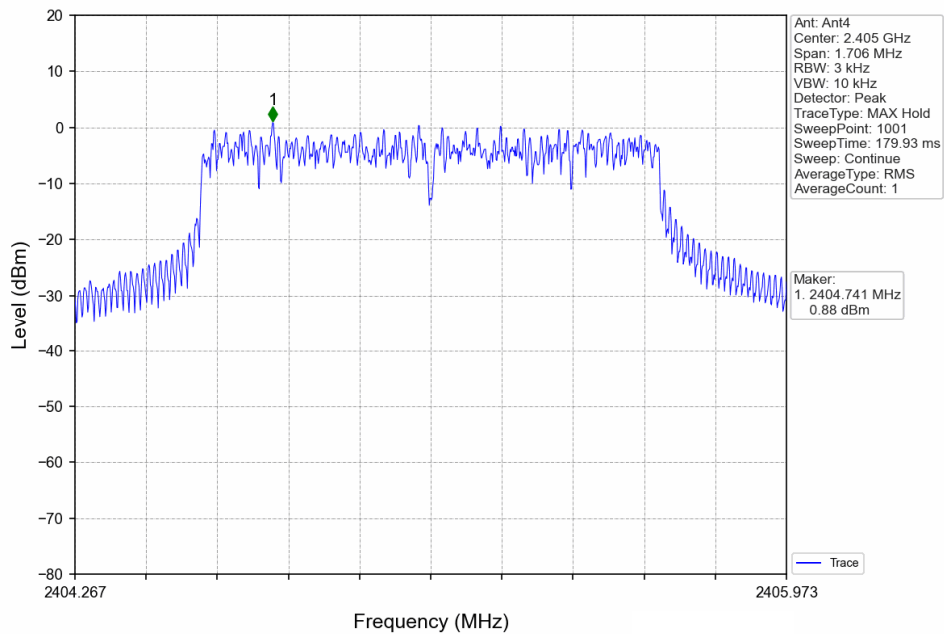
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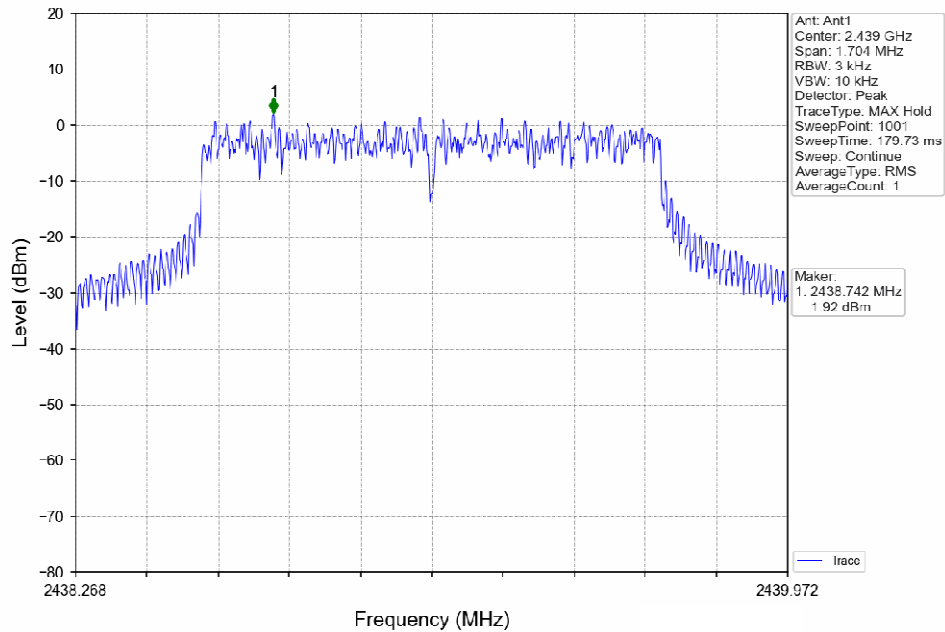
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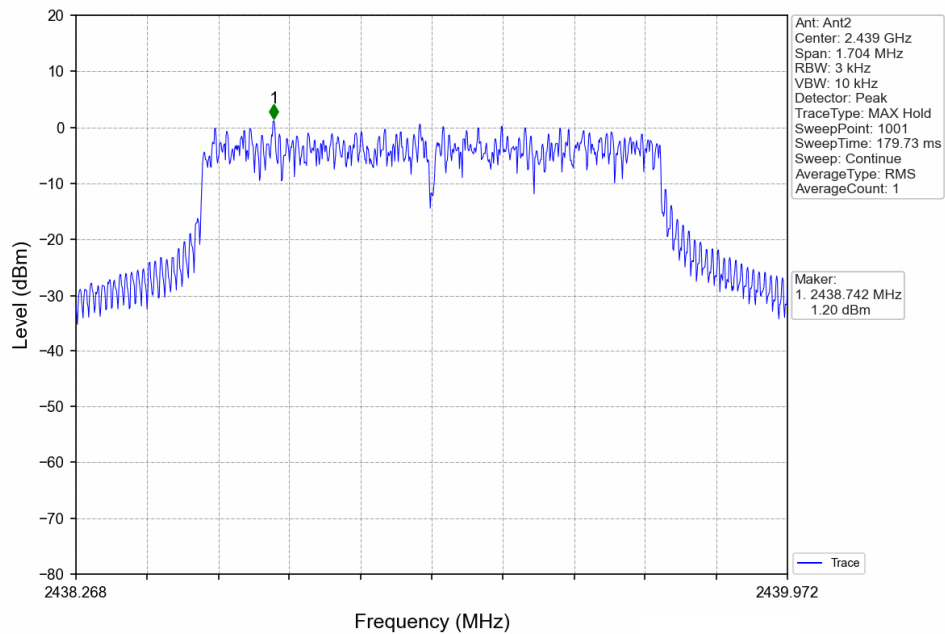
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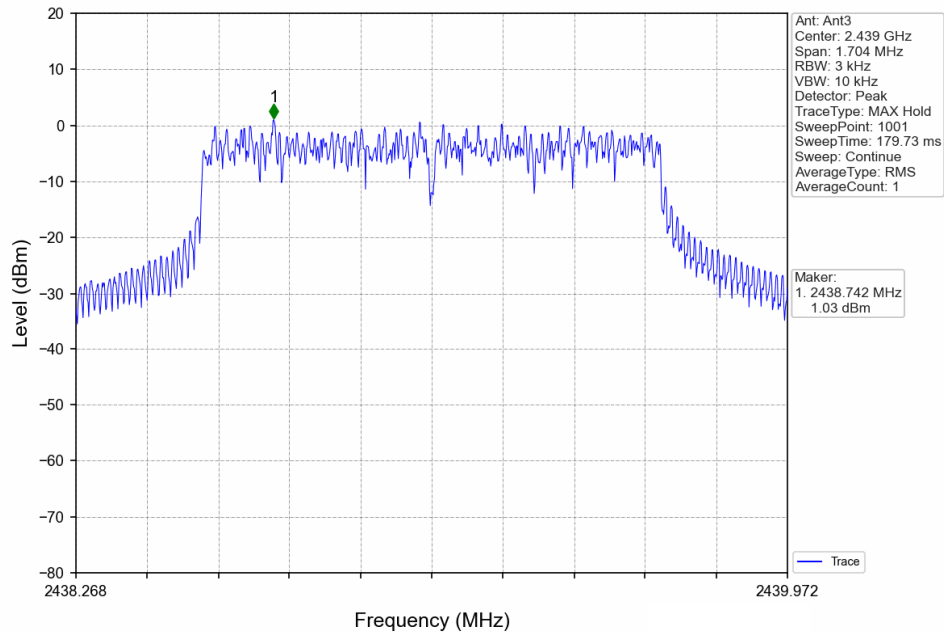
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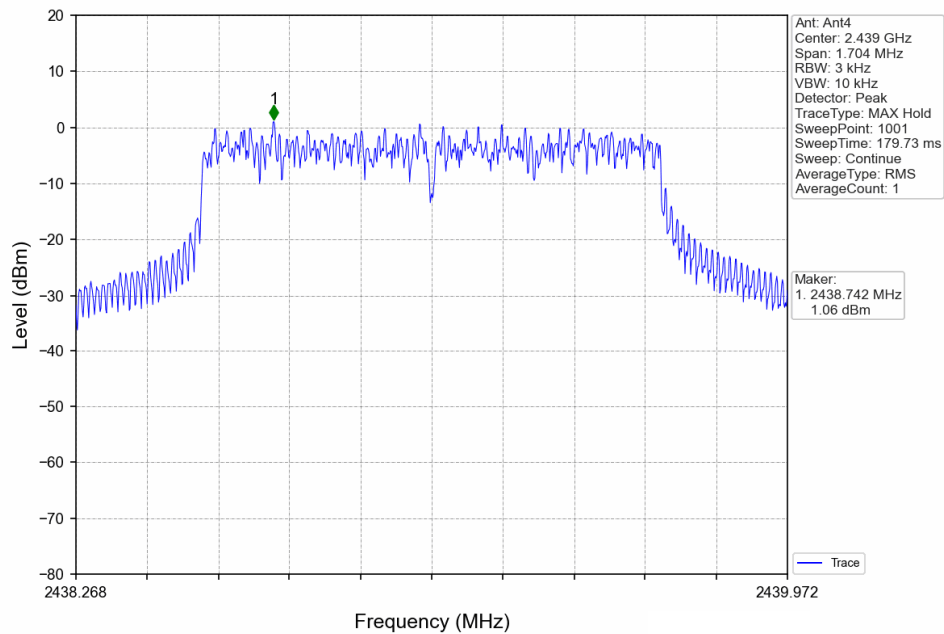
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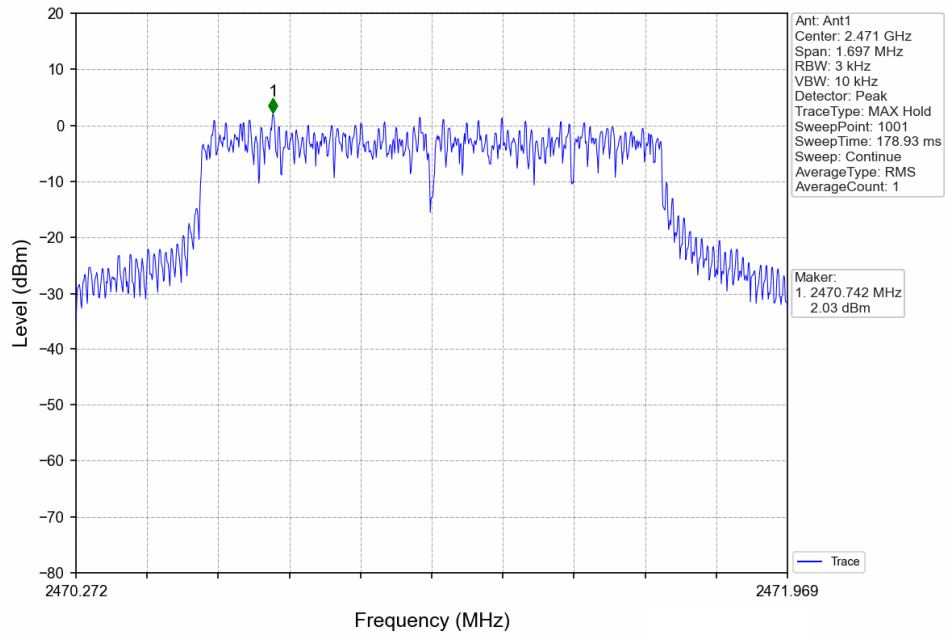
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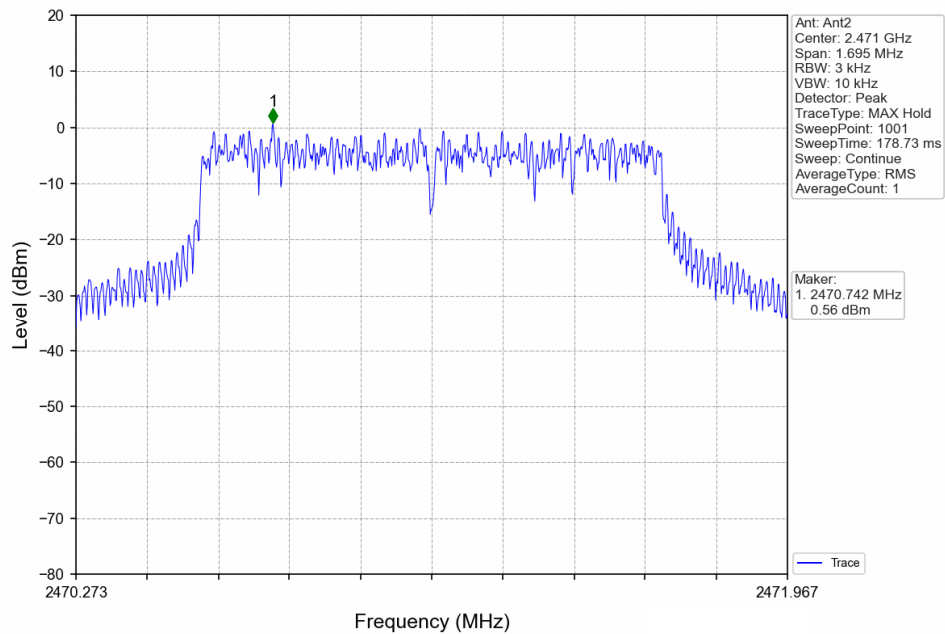
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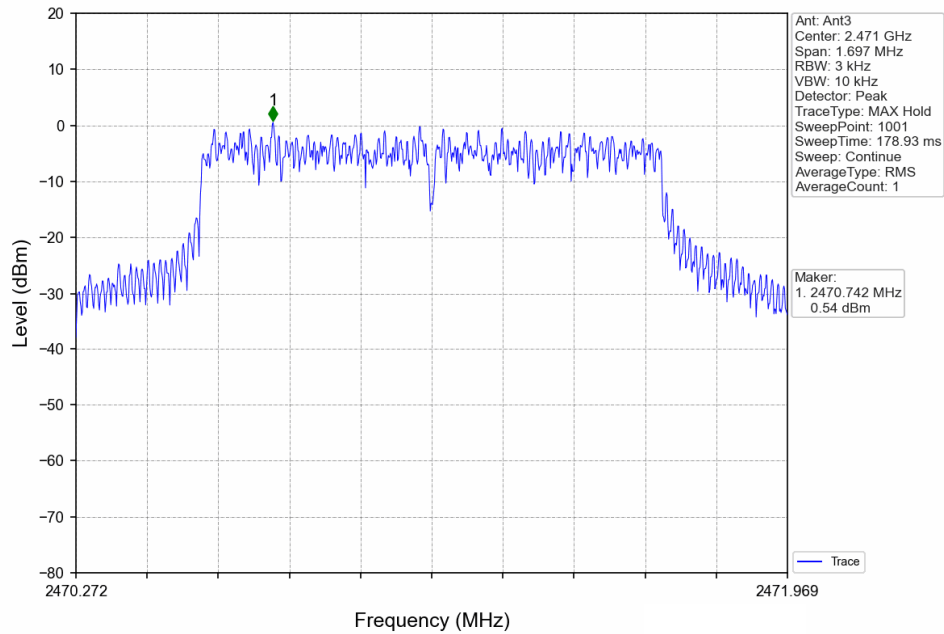
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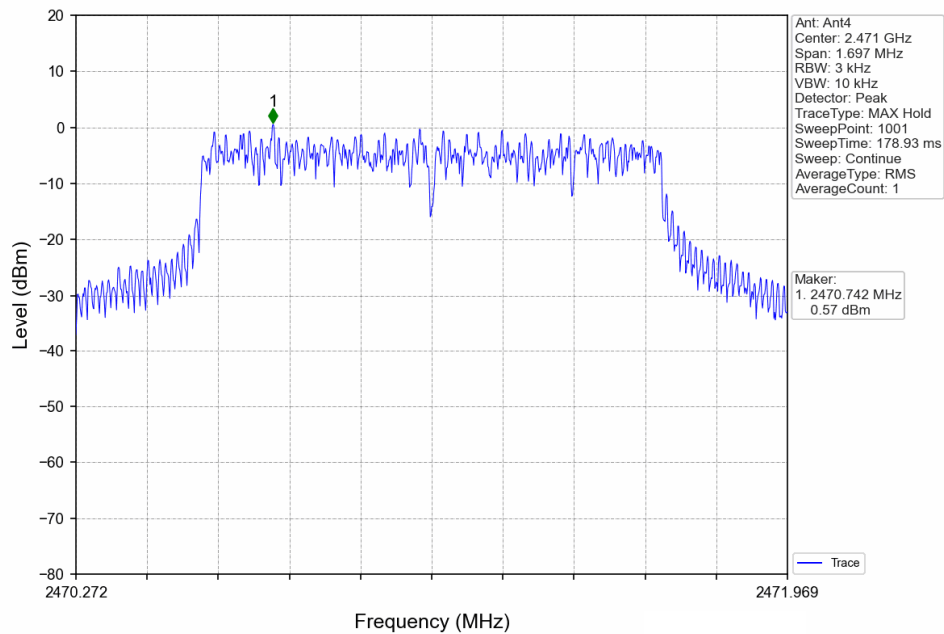
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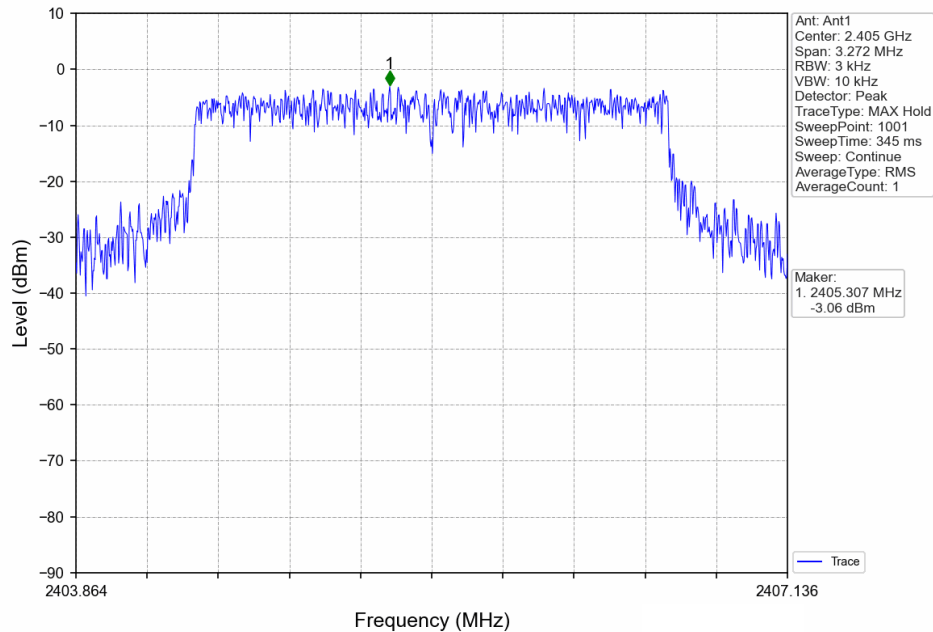
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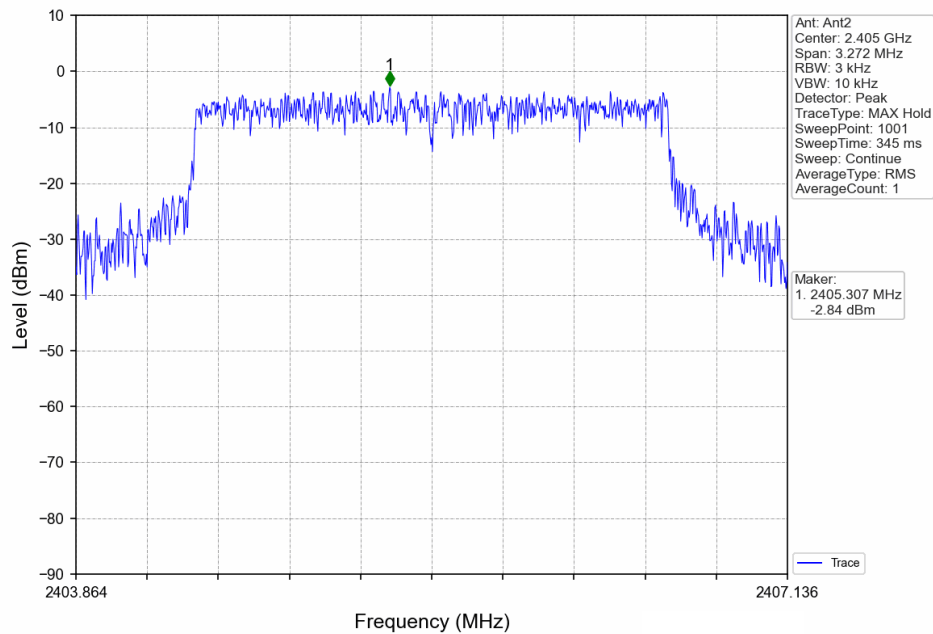
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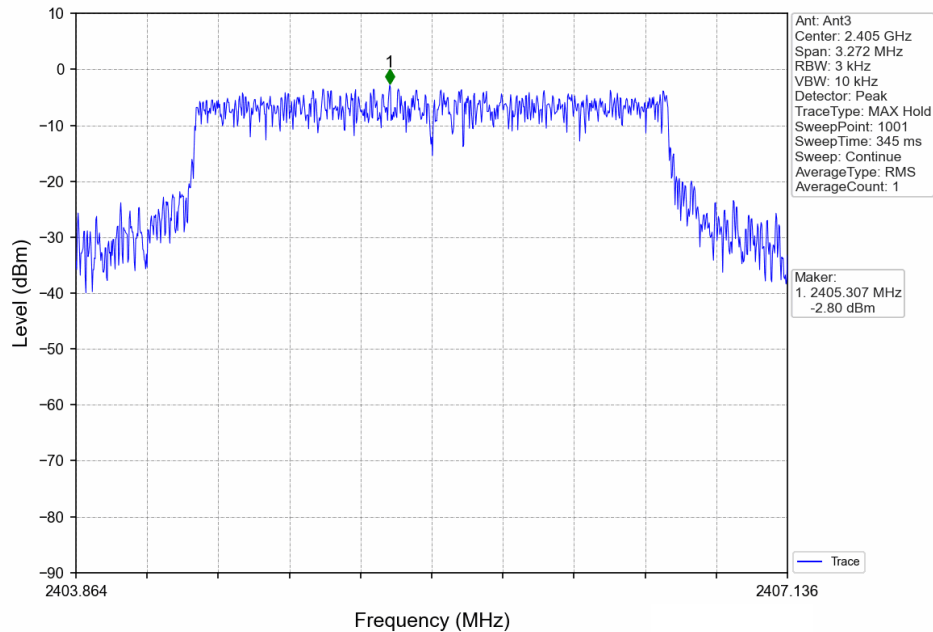
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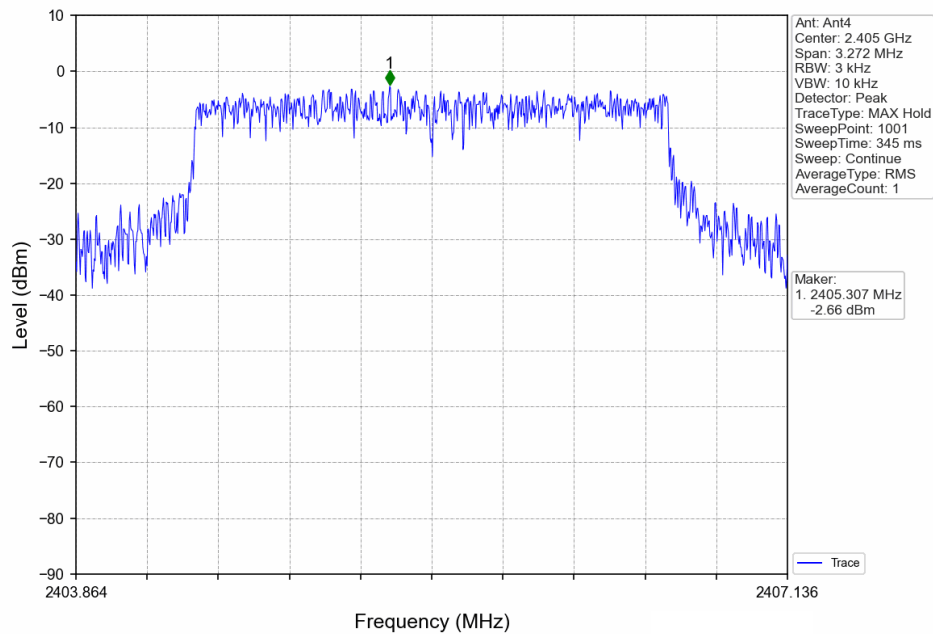
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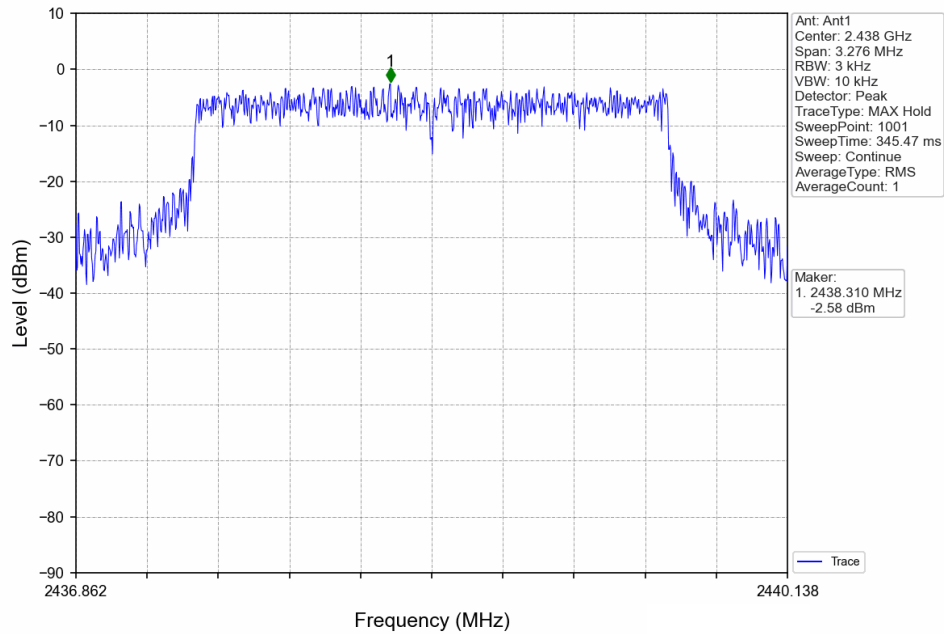
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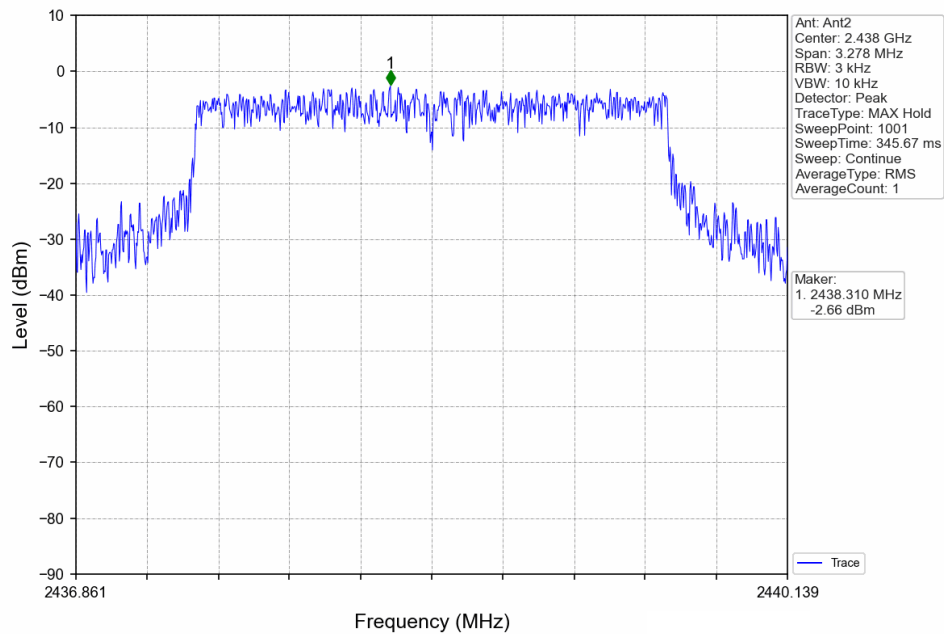
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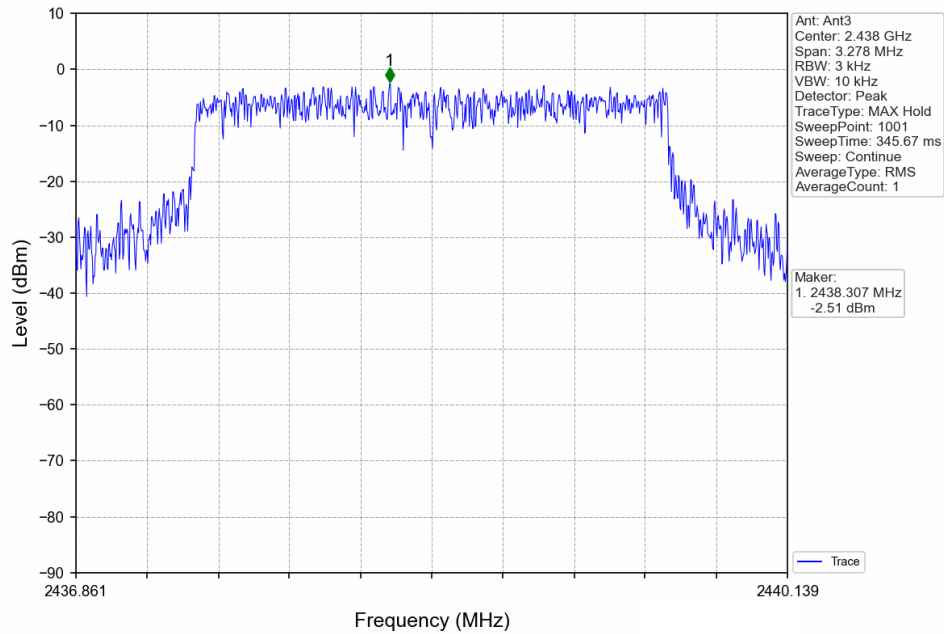
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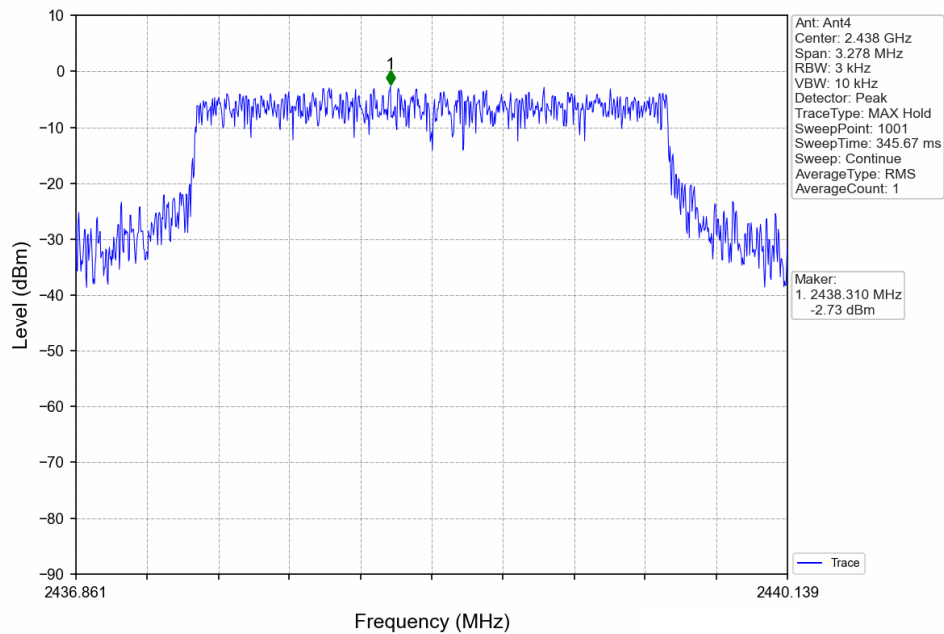
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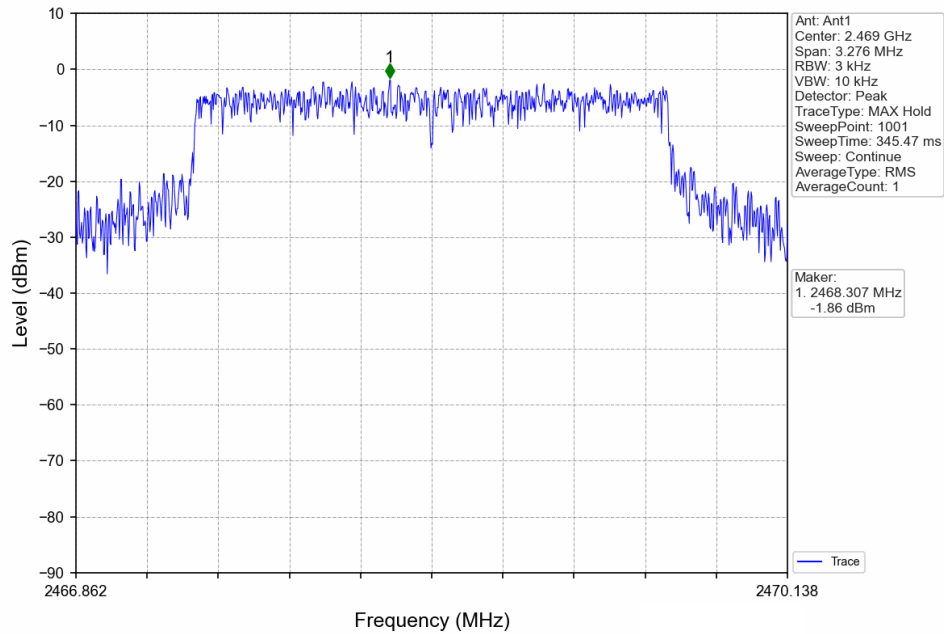
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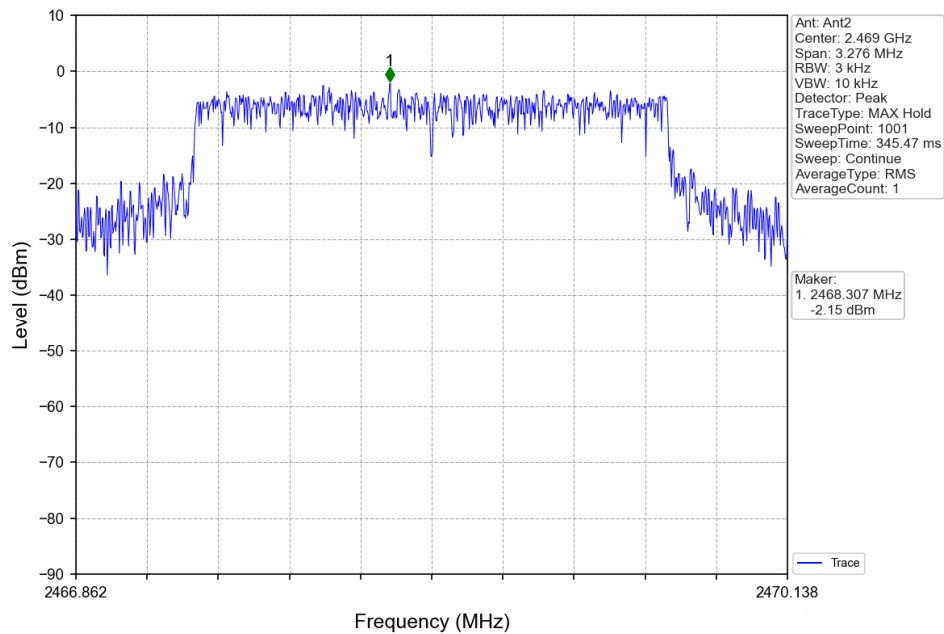
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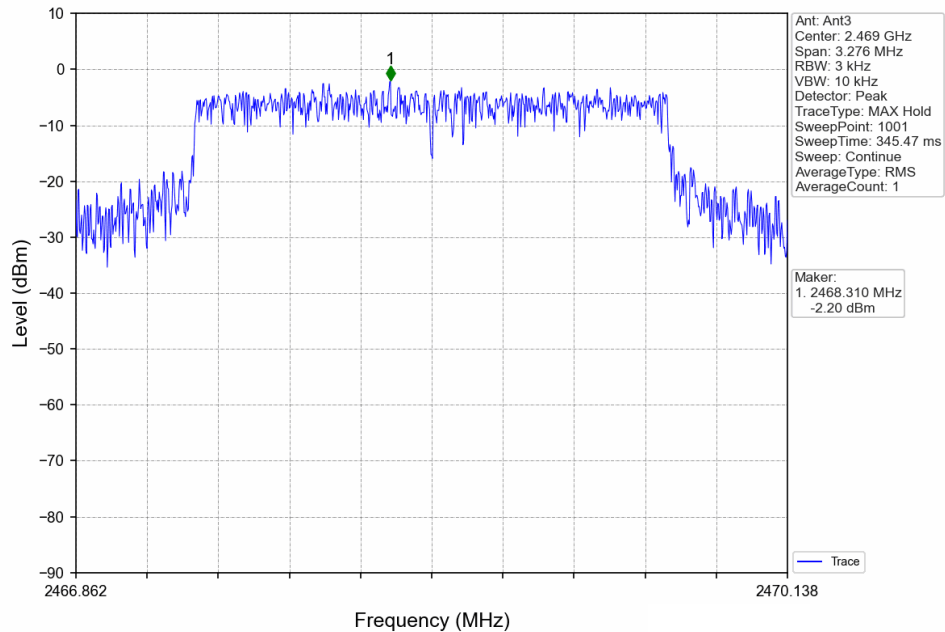
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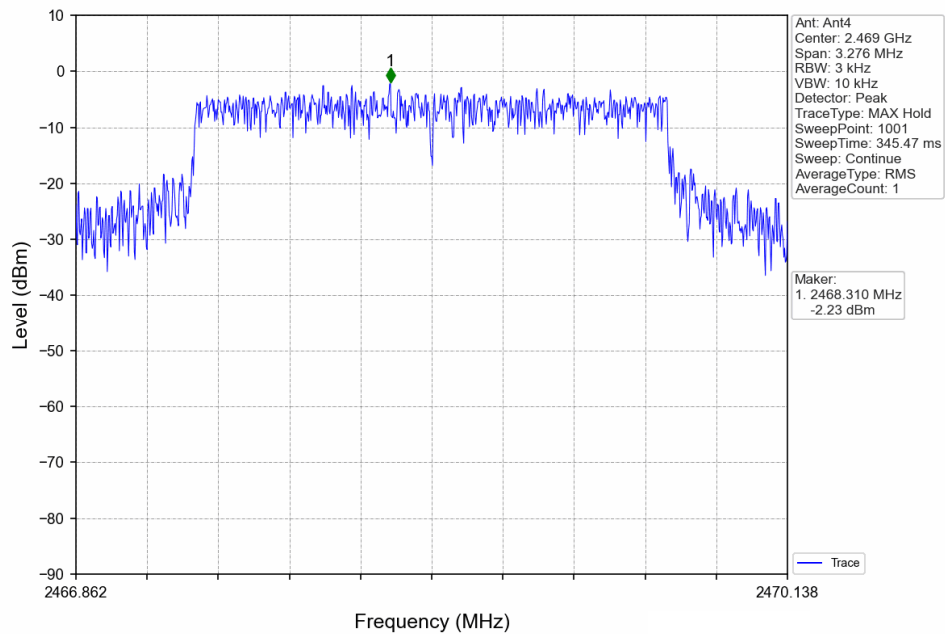
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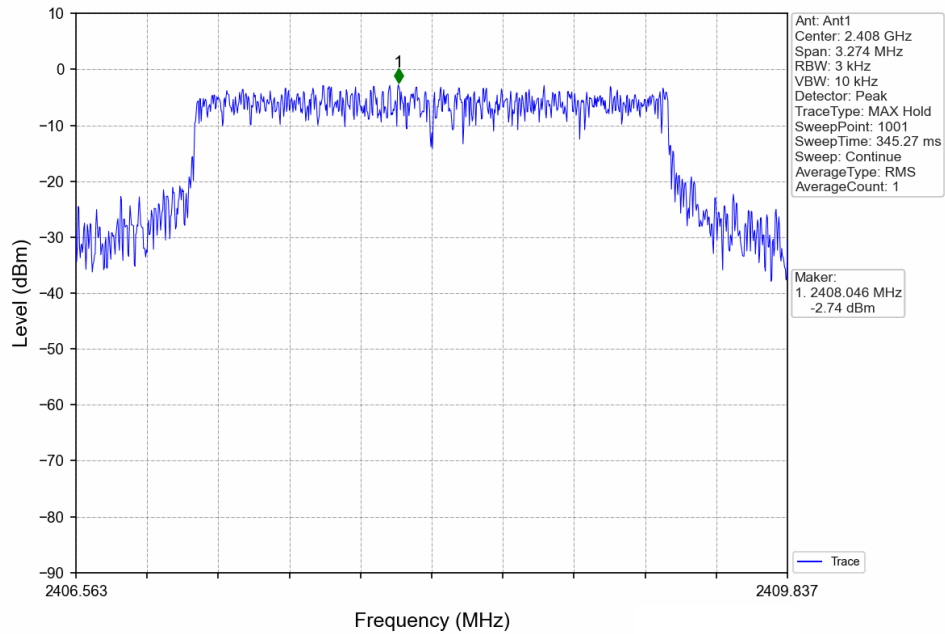
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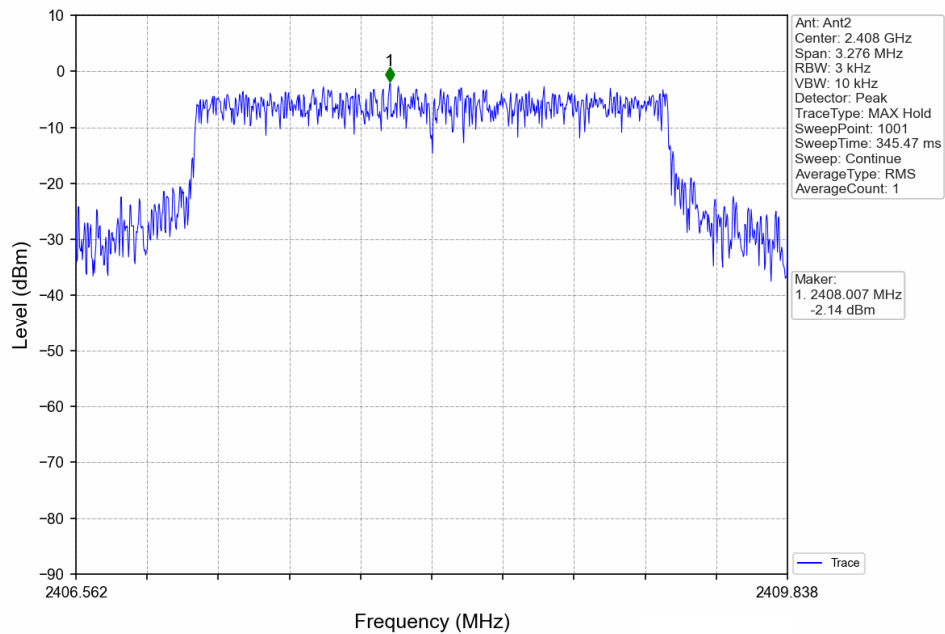
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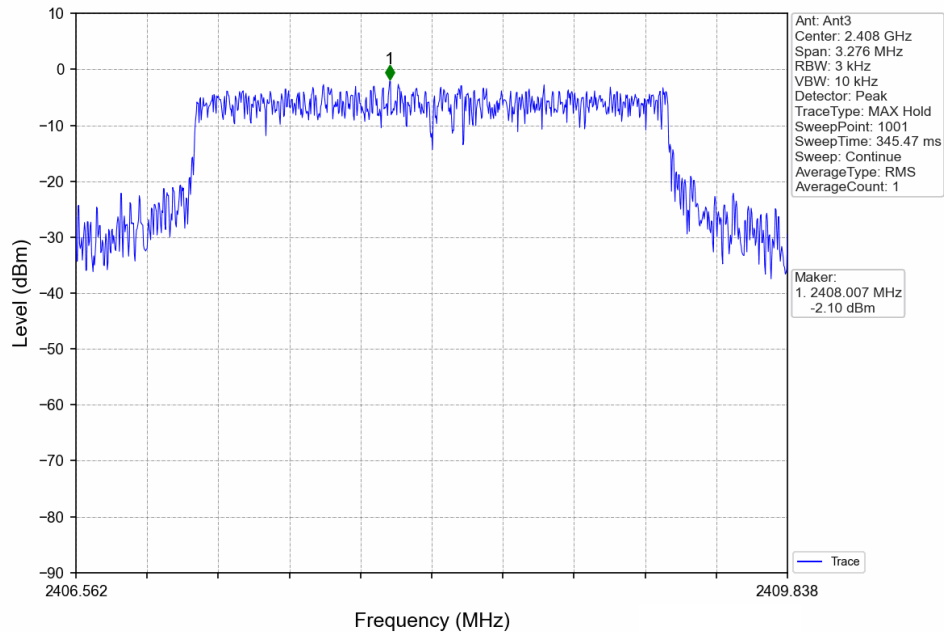
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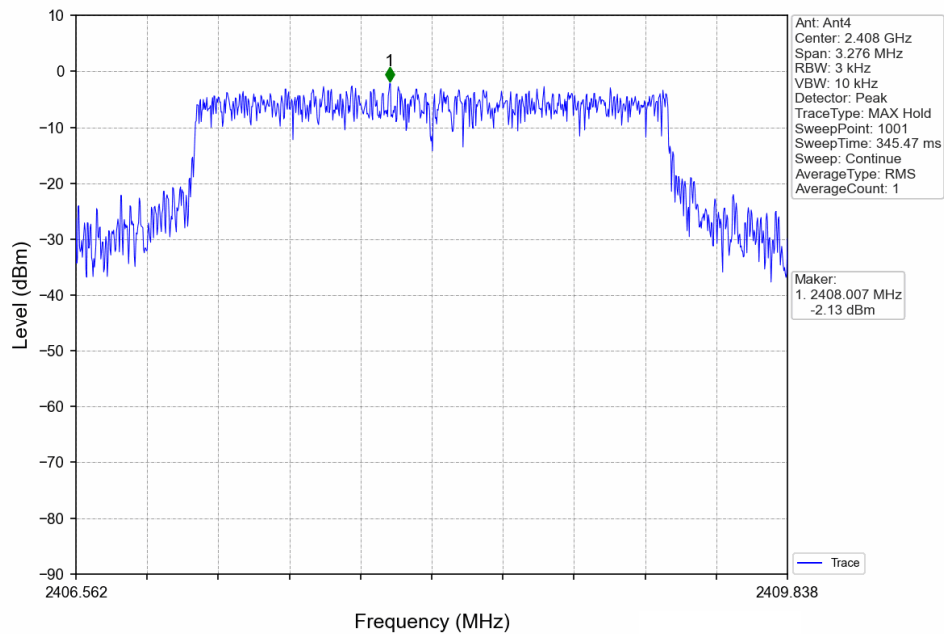
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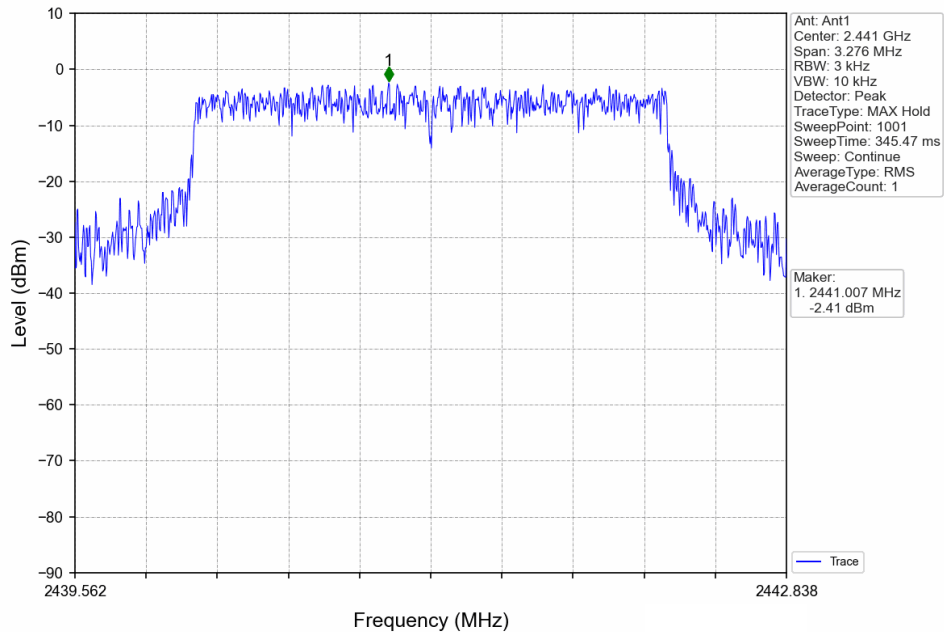
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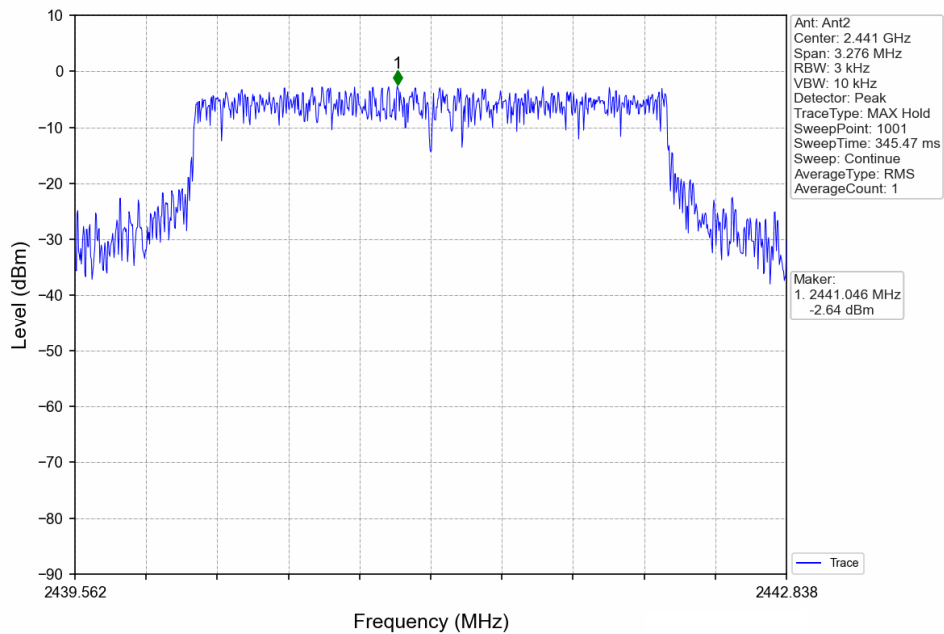
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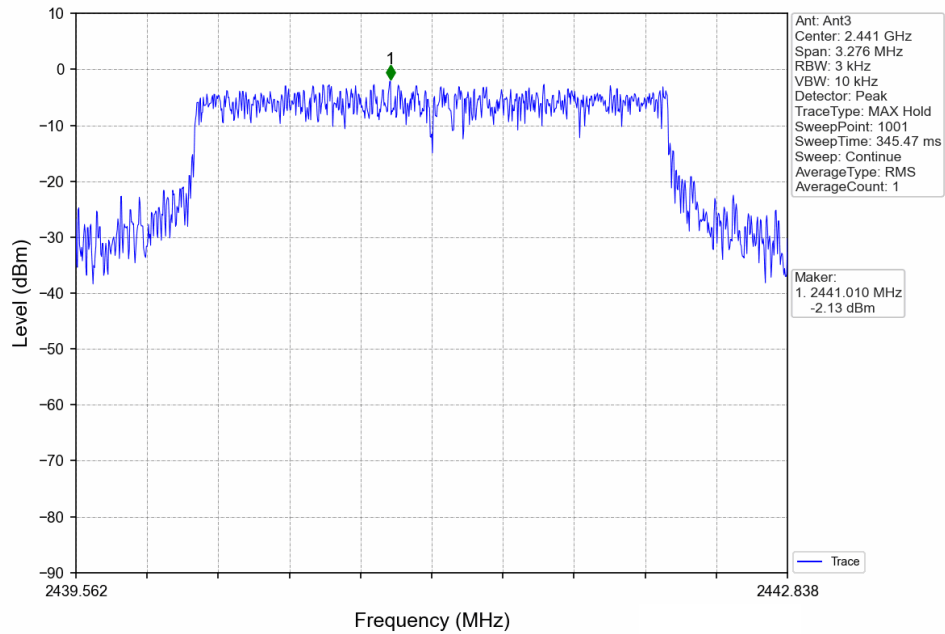
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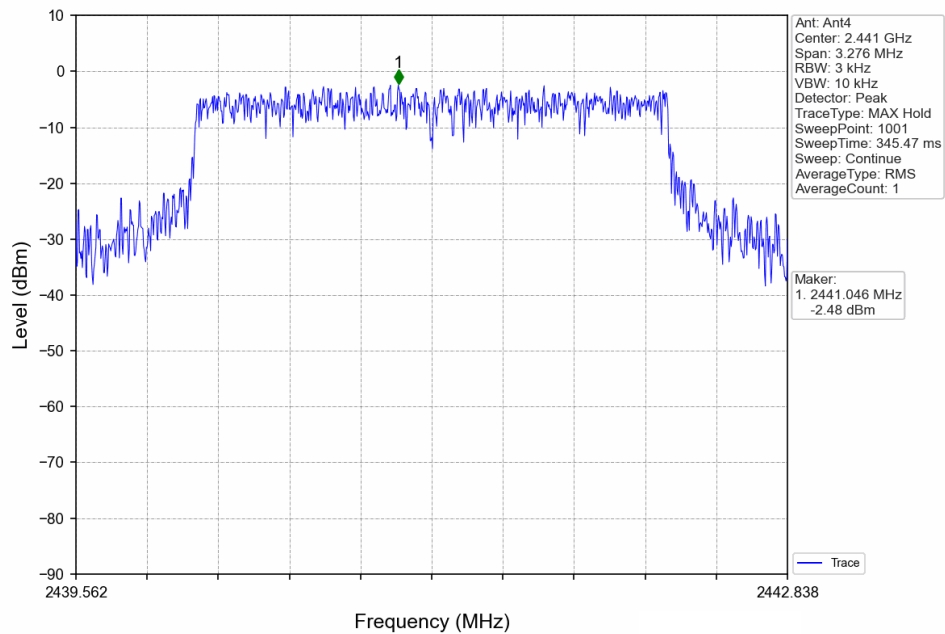
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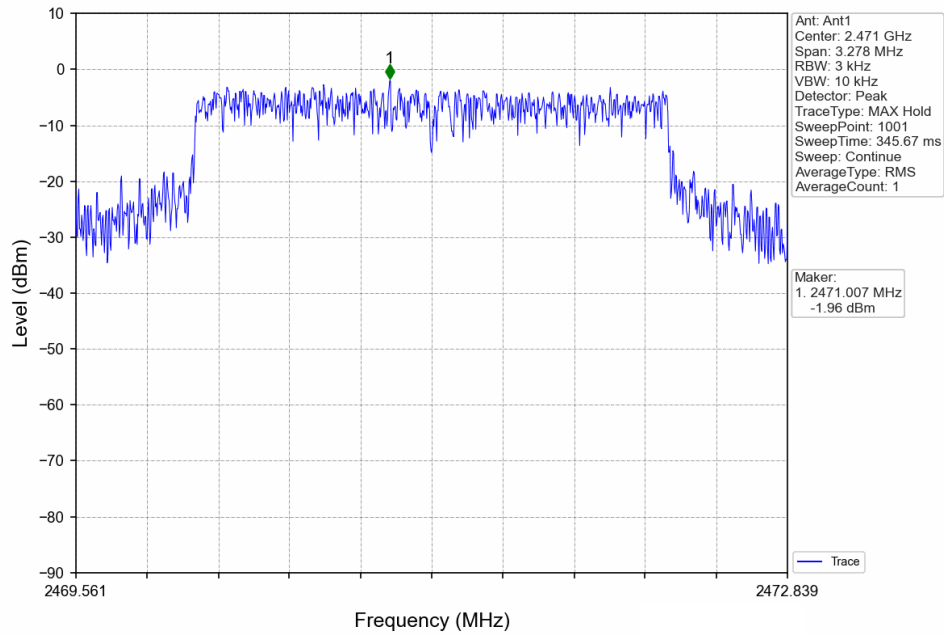
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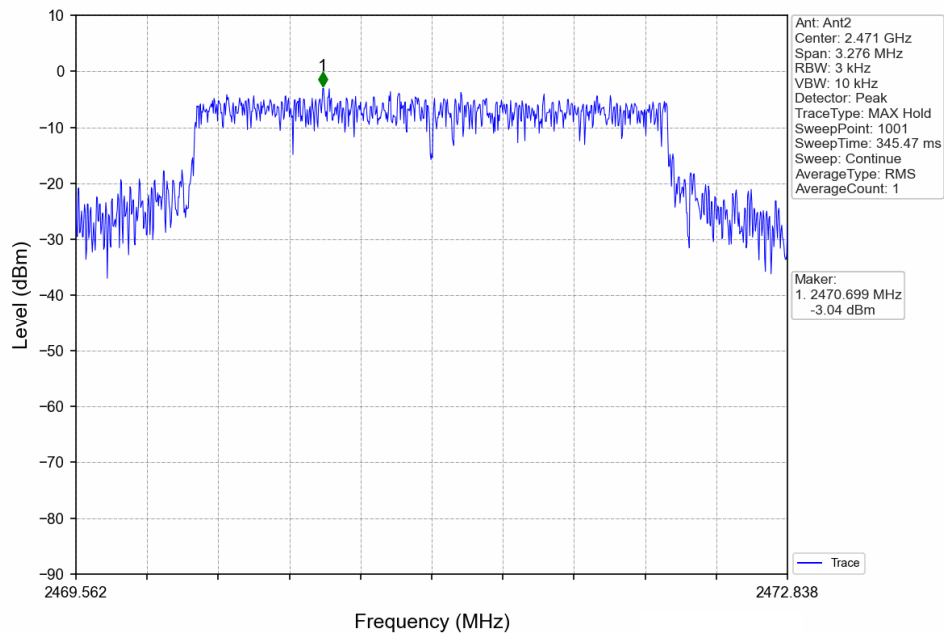
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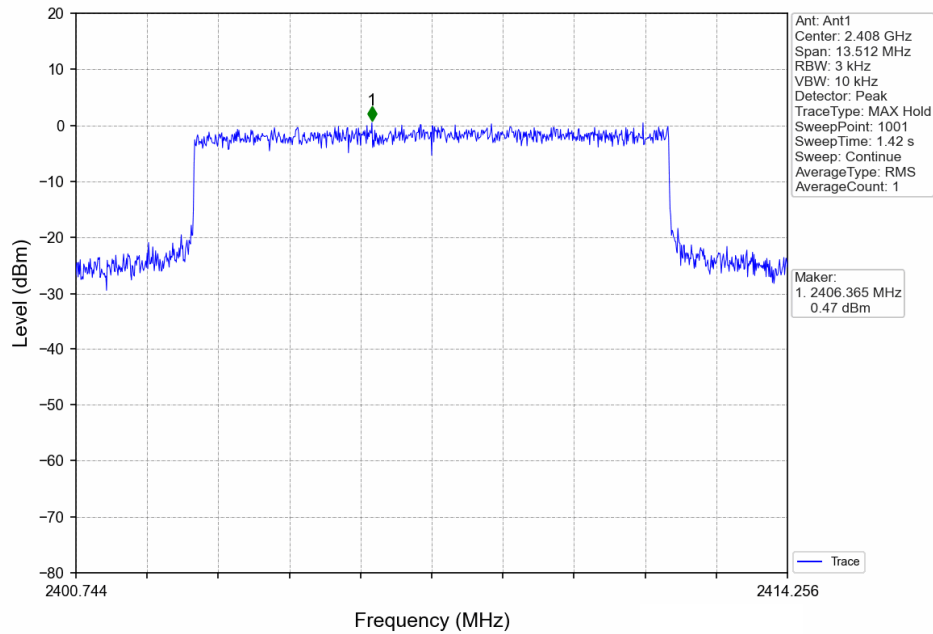
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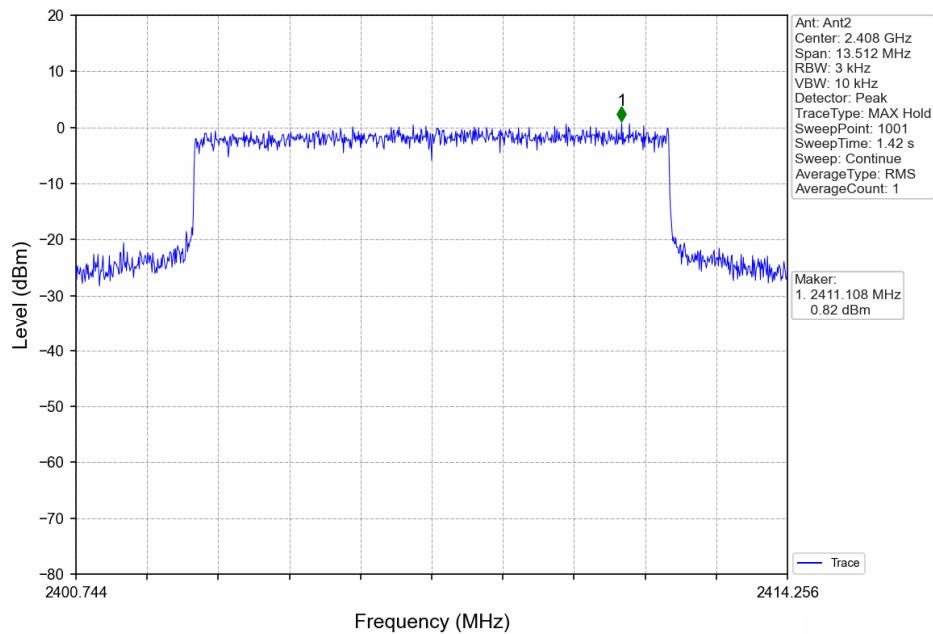
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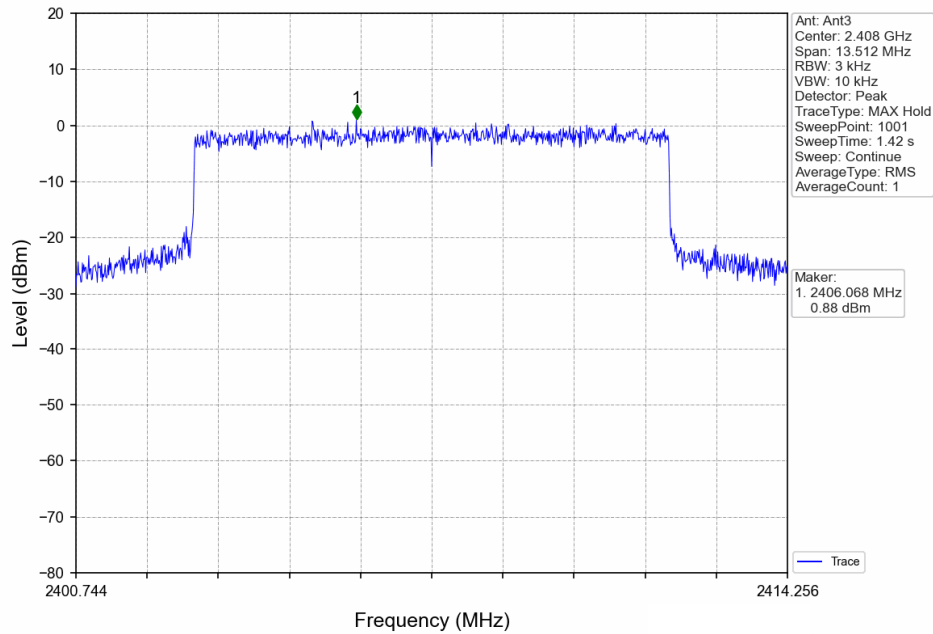
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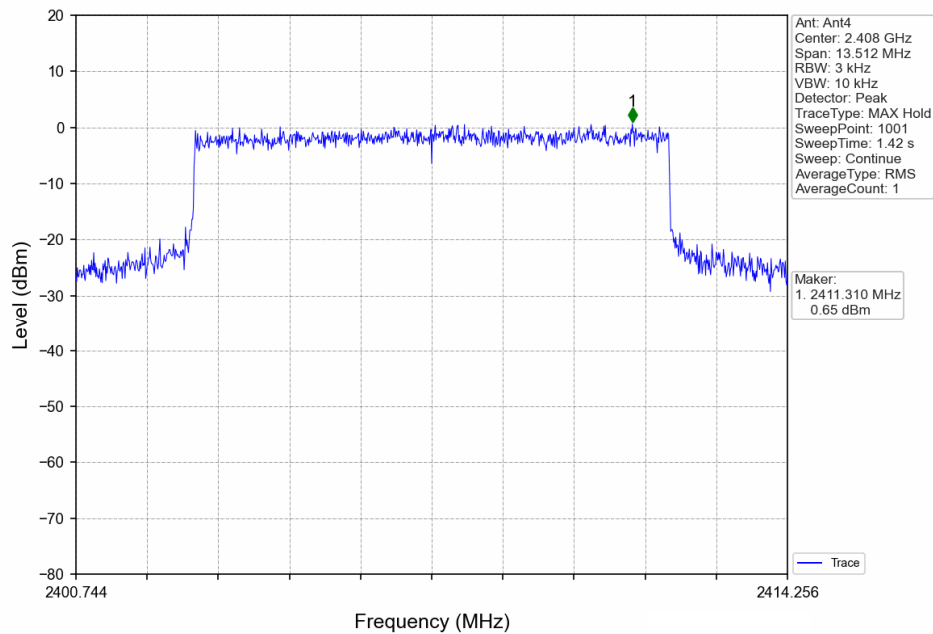
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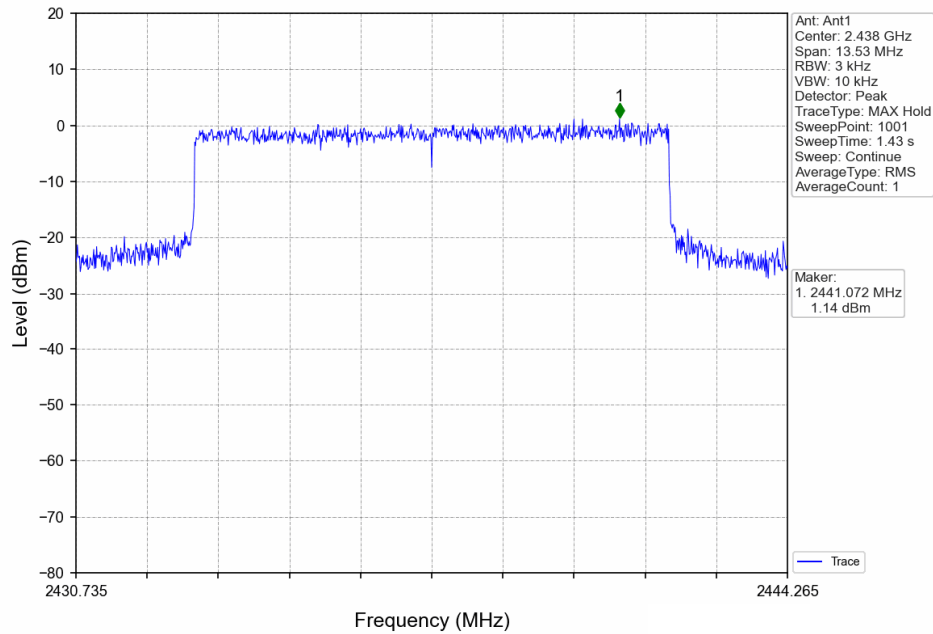
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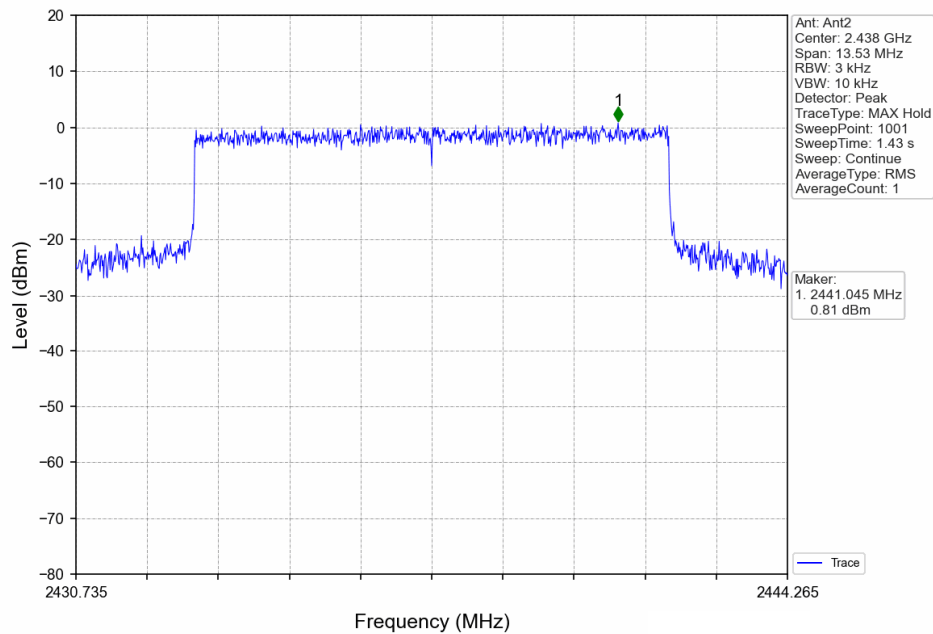
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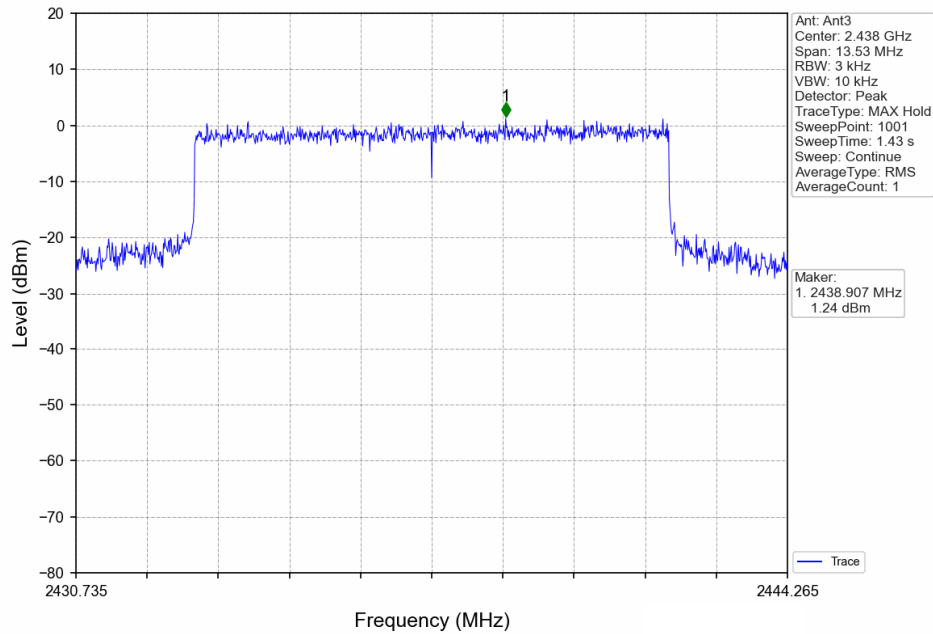
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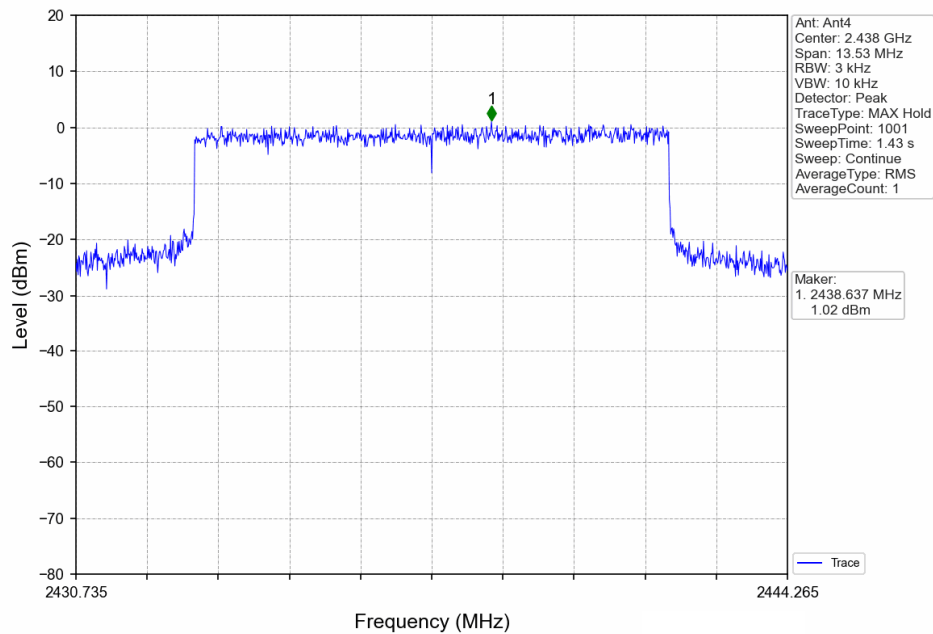
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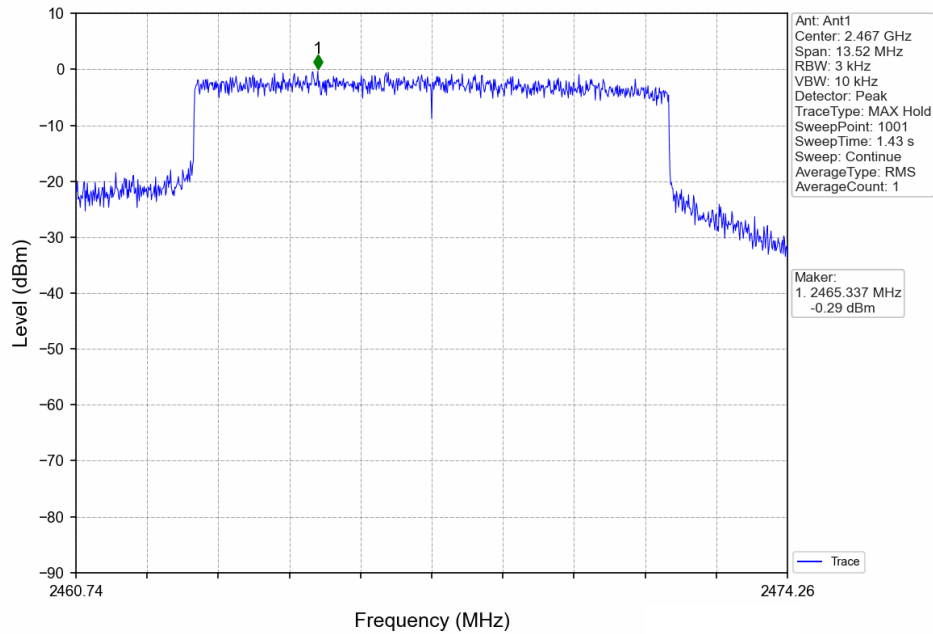
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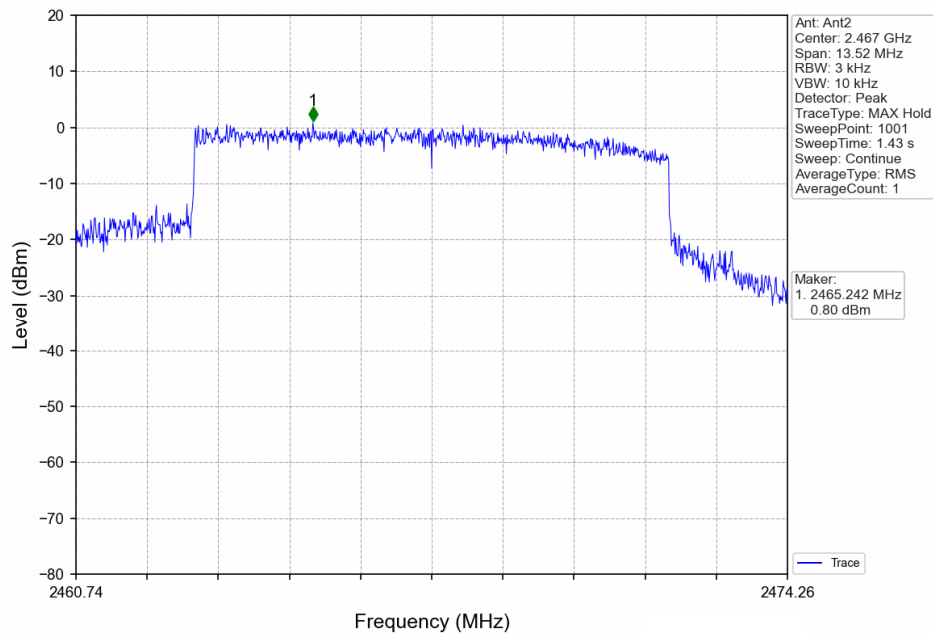
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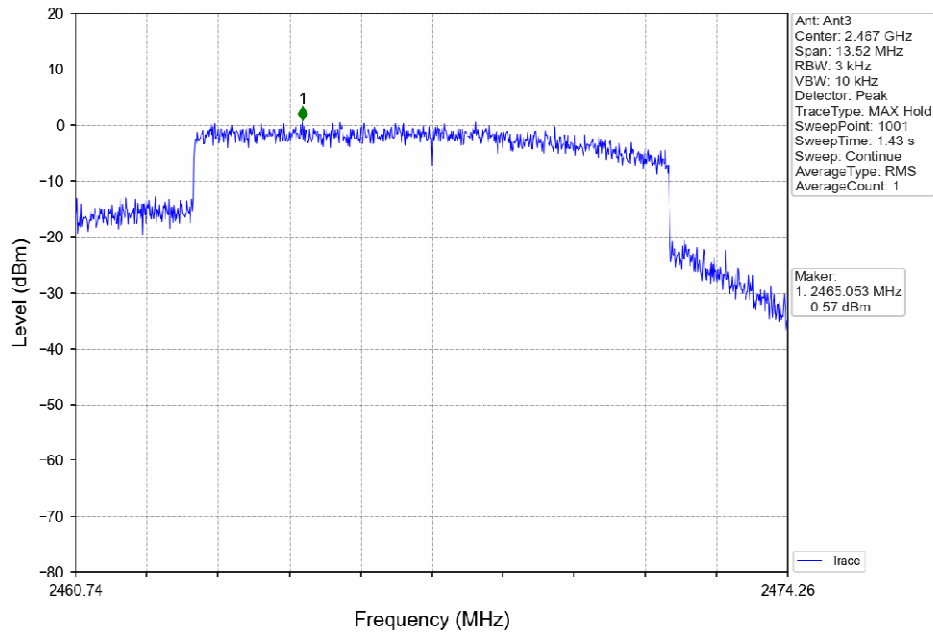
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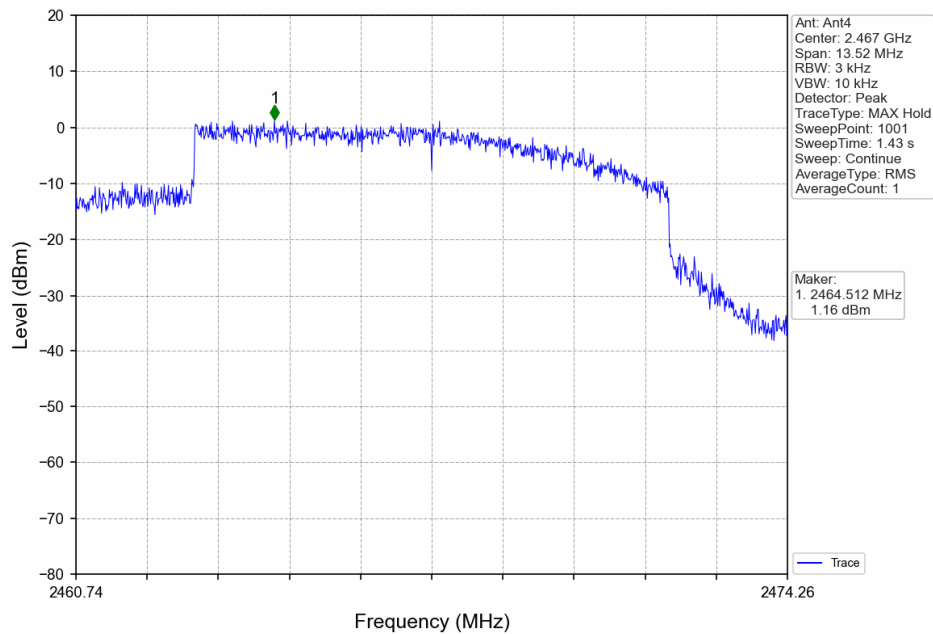
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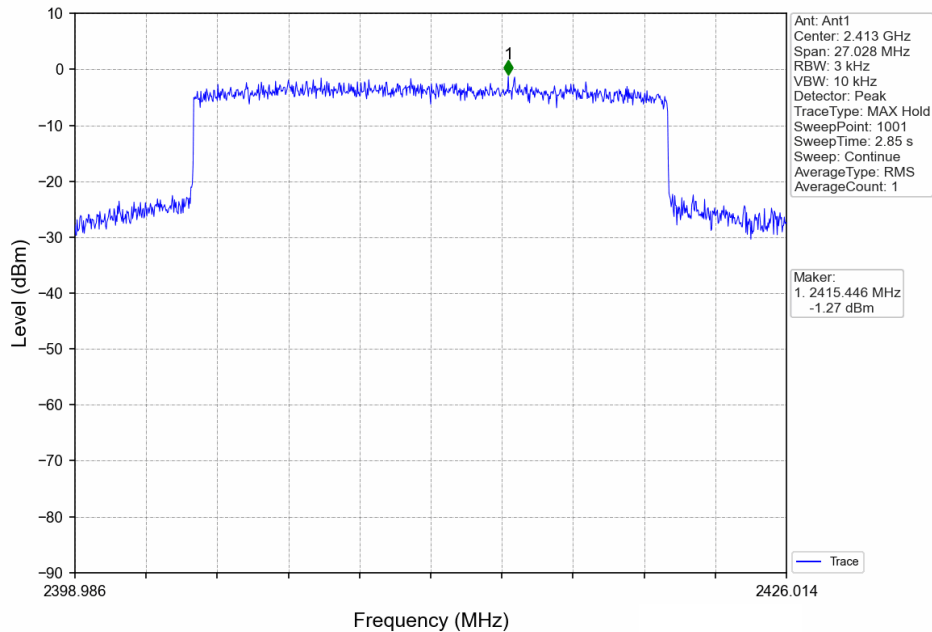
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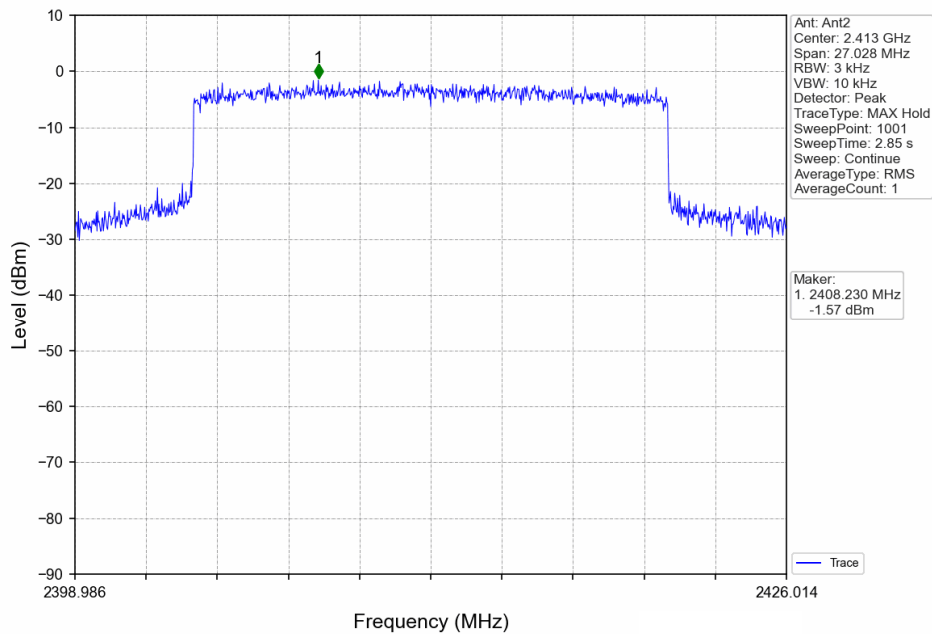
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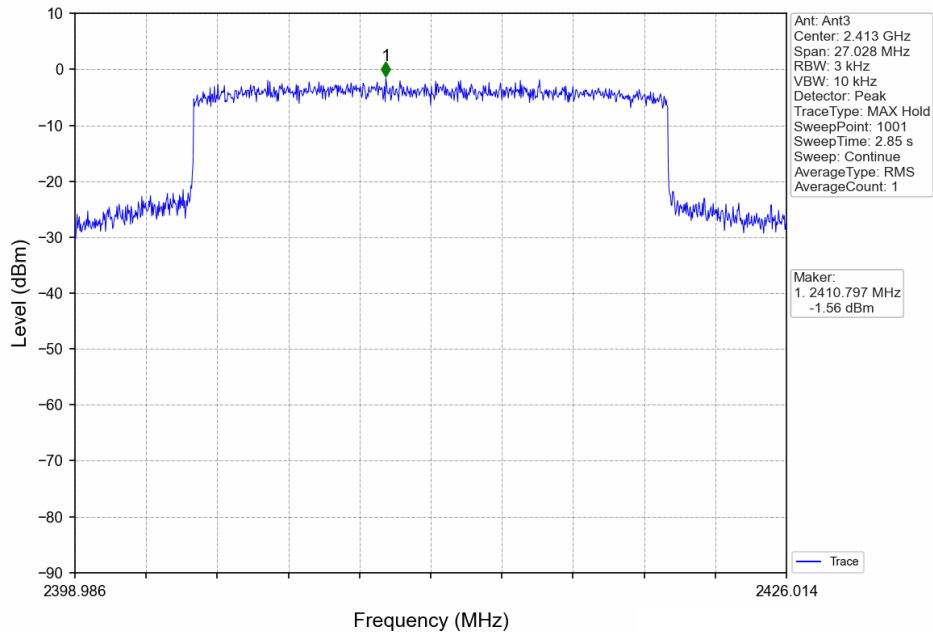
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20MHz BW_LCH_2412.5MHz_Ant2_NTNV



20MHz BW_LCH_2412.5MHz_Ant3_NTNV



20MHz BW_LCH_2412.5MHz_Ant4_NTNV

