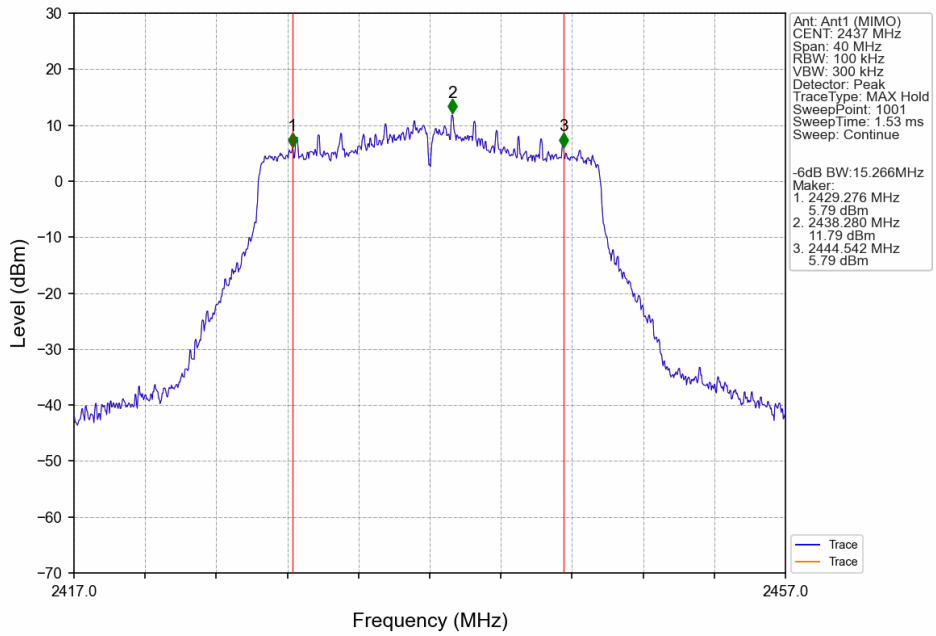
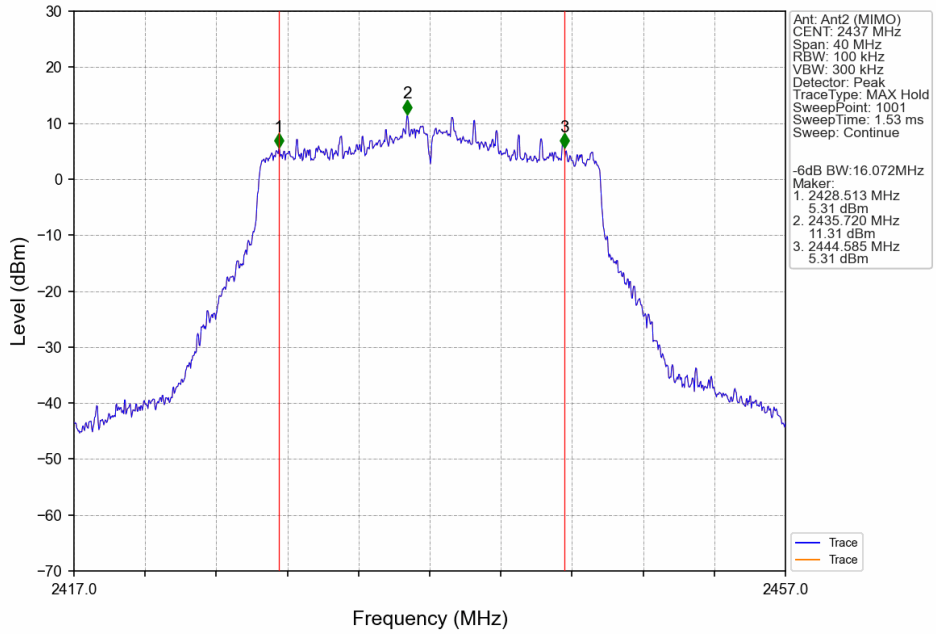
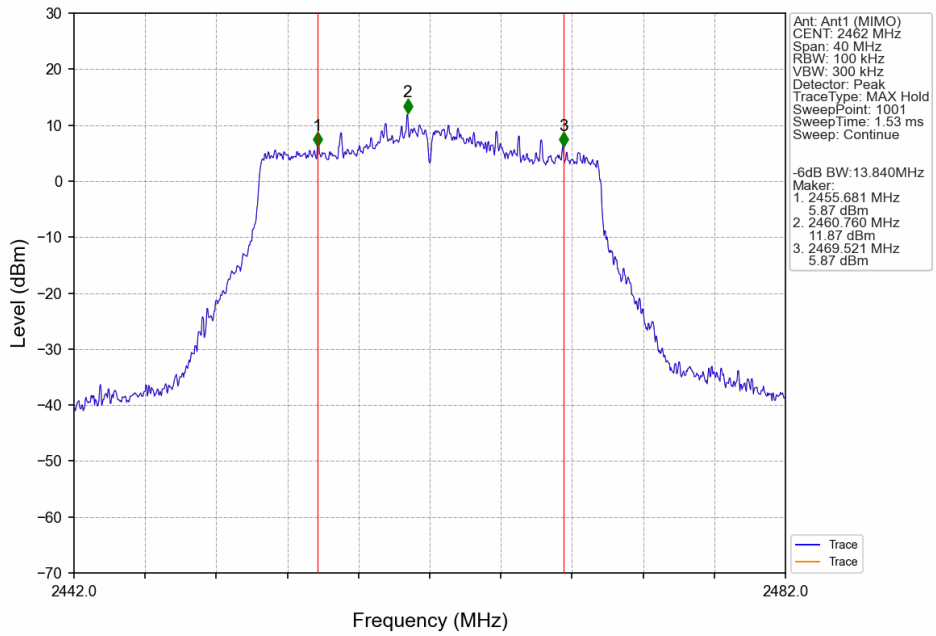
802.11be(EHT20)_MCH_2437MHz_SU_ / _Ant1 (MIMO)_NTNV



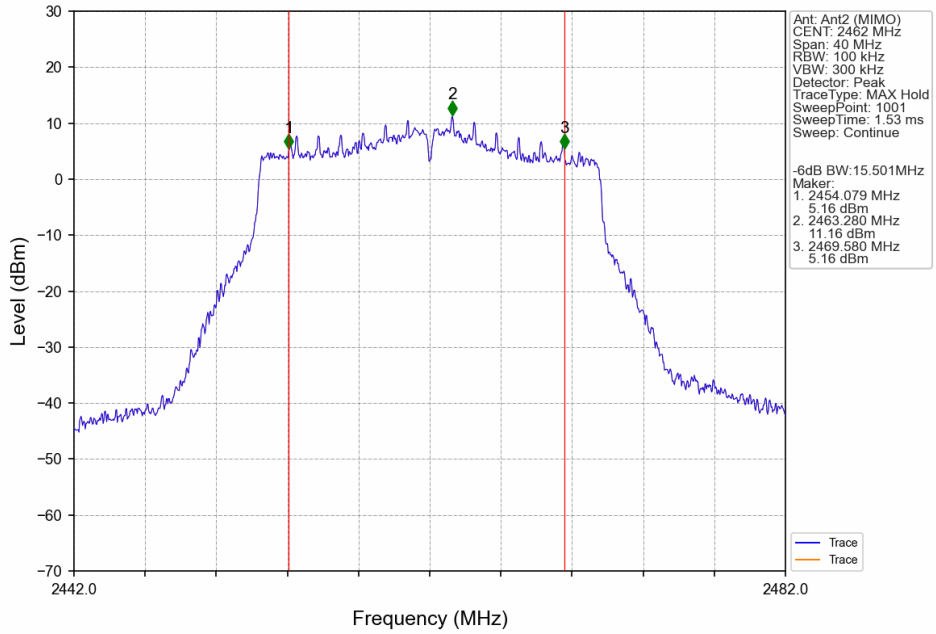
802.11be(EHT20)_MCH_2437MHz_SU_ / _Ant2 (MIMO)_NTNV



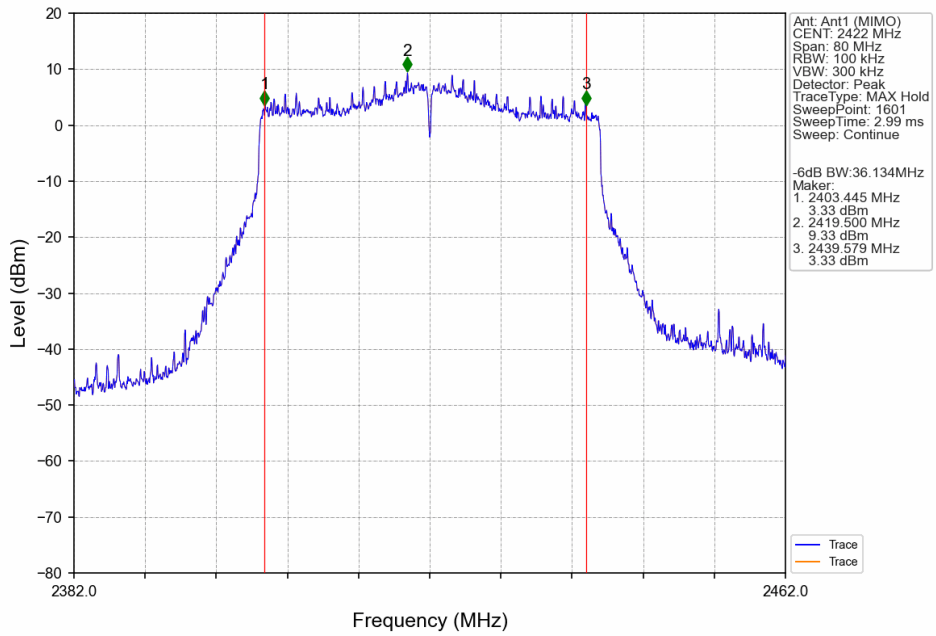
802.11be(EHT20)_HCH_2462MHz_SU_ / _Ant1 (MIMO)_NTNV



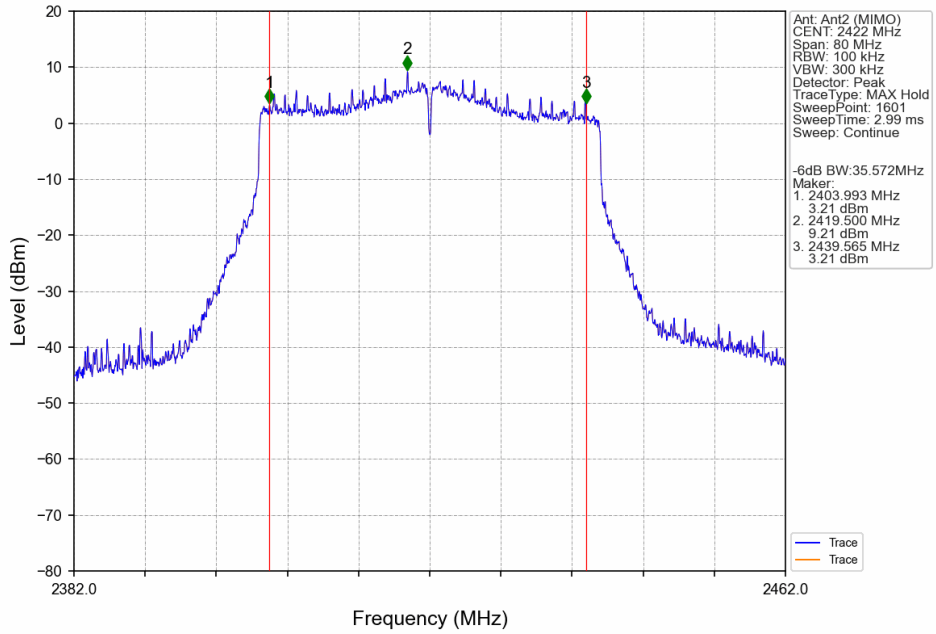
802.11be(EHT20)_HCH_2462MHz_SU_ / _Ant2 (MIMO)_NTNV



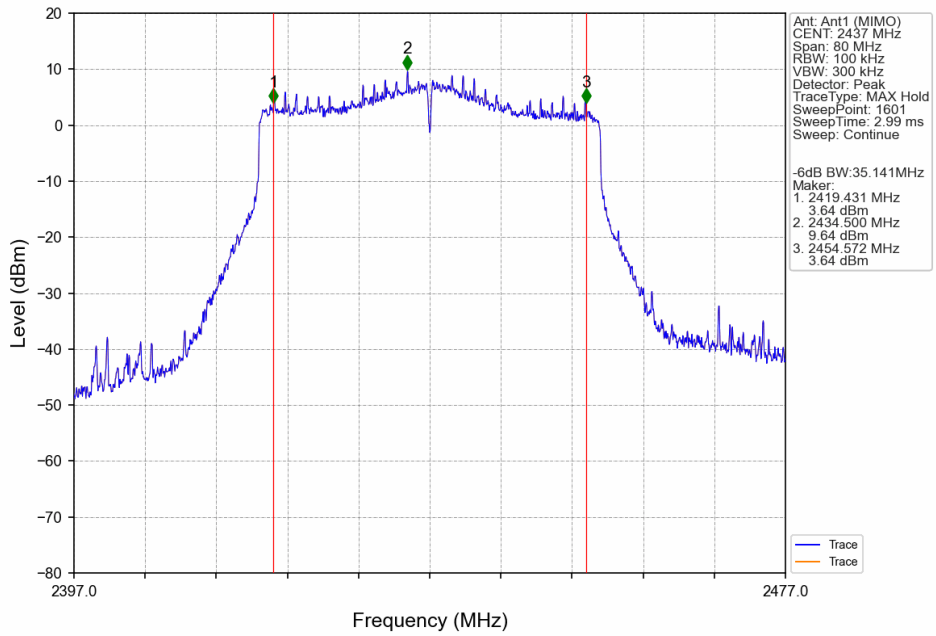
802.11be(EHT40)_LCH_2422MHz_SU_ / _Ant1 (MIMO)_NTNV



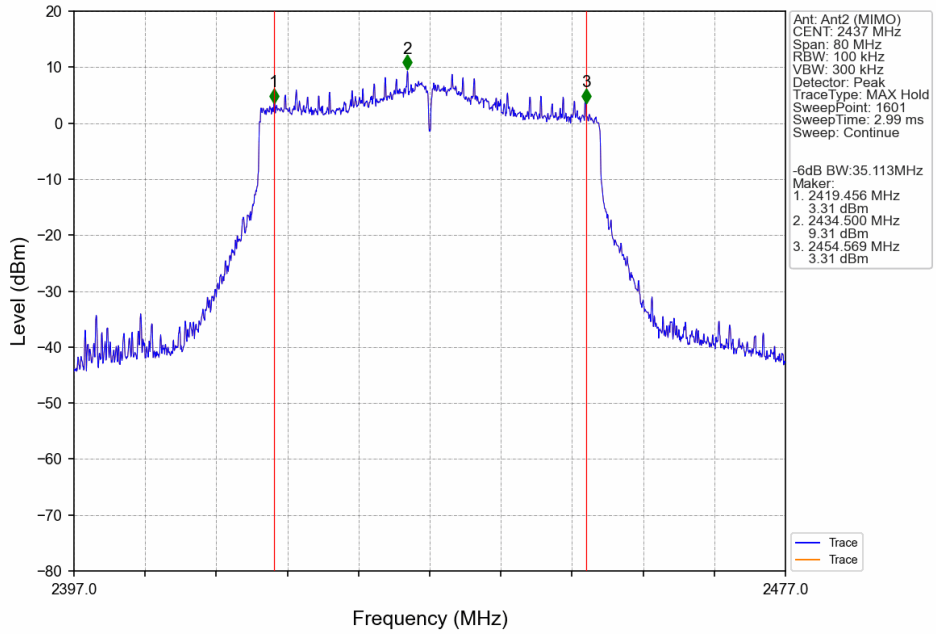
802.11be(EHT40)_LCH_2422MHz_SU_ / _Ant2 (MIMO)_NTNV



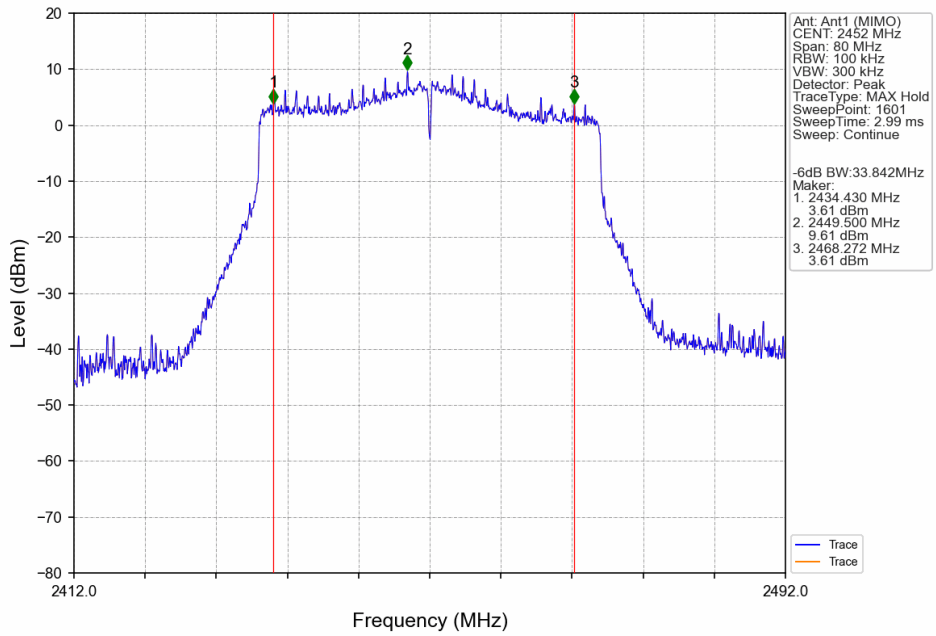
802.11be(EHT40)_MCH_2437MHz_SU_ / _Ant1 (MIMO)_NTNV



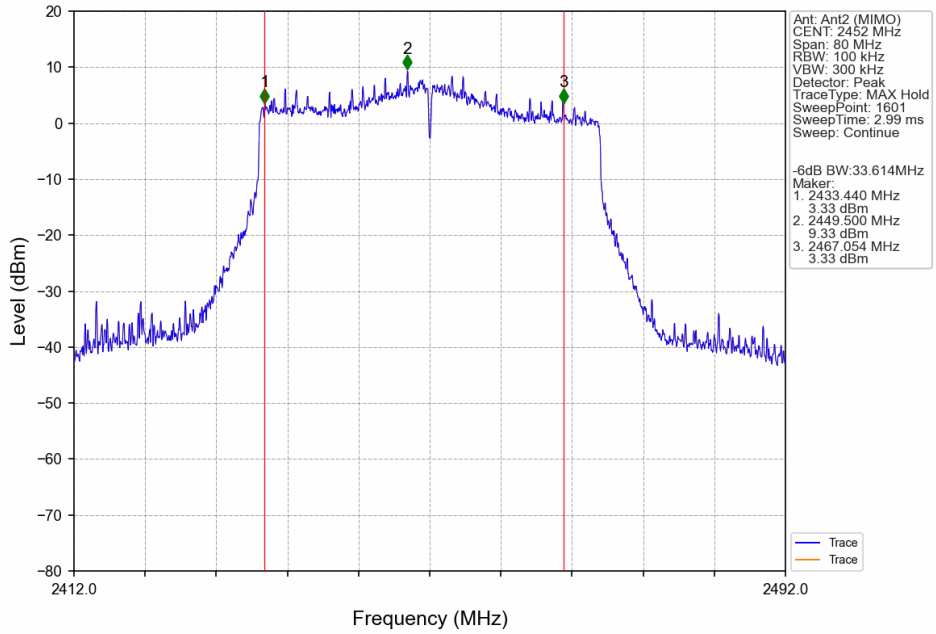
802.11be(EHT40)_MCH_2437MHz_SU_ / _Ant2 (MIMO)_NTNV



802.11be(EHT40)_HCH_2452MHz_SU_ / _Ant1 (MIMO)_NTNV



802.11be(EHT40)_HCH_2452MHz_SU_ / _Ant2 (MIMO)_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

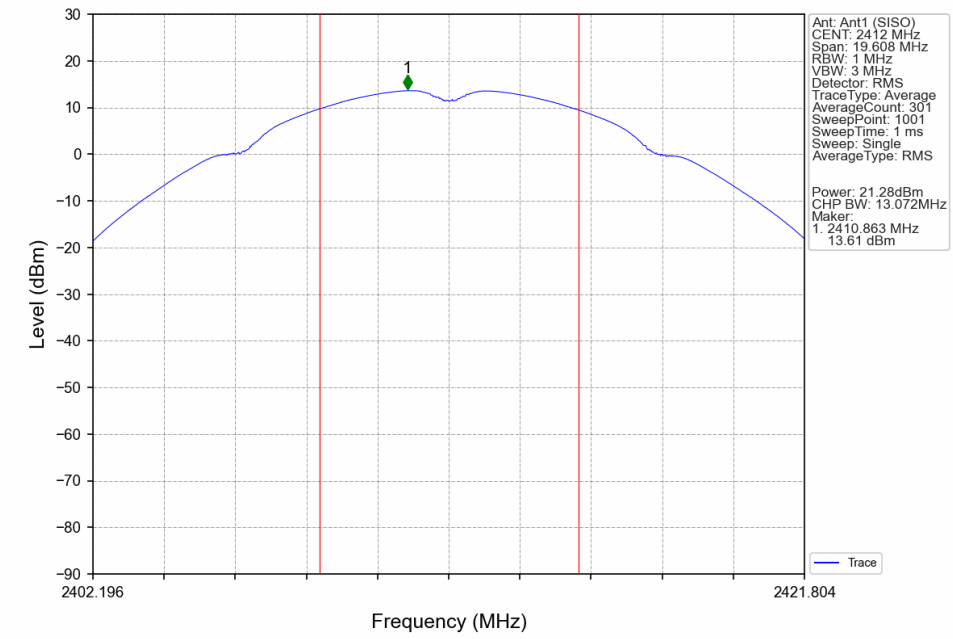
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	/	/	21.28	20.93	/	<=29.78	Pass
		2437	/	/	21.23	20.91	/	<=29.78	Pass
		2462	/	/	21.21	20.57	/	<=29.78	Pass
802.11g	SISO	2412	/	/	21.07	20.76	/	<=29.78	Pass
		2437	/	/	21.06	20.75	/	<=29.78	Pass
		2462	/	/	20.93	20.32	/	<=29.78	Pass
802.11n (HT20)	MIMO	2412	/	/	21.05	20.76	23.92	<=29.78	Pass
		2437	/	/	21.05	20.73	23.90	<=29.78	Pass
		2462	/	/	20.96	20.30	23.65	<=29.78	Pass
802.11n (HT40)	MIMO	2422	/	/	21.45	21.21	24.34	<=29.78	Pass
		2437	/	/	21.68	21.36	24.53	<=29.78	Pass
		2452	/	/	20.27	20.04	23.17	<=29.78	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	22.29	21.94	25.13	<=29.78	Pass
		2437	SU	/	22.07	22.08	25.09	<=29.78	Pass
		2462	SU	/	20.85	20.67	23.77	<=29.78	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	21.86	21.65	24.77	<=29.78	Pass
		2437	SU	/	21.93	21.83	24.89	<=29.78	Pass
		2452	SU	/	20.86	20.58	23.73	<=29.78	Pass
802.11be (EHT20)	MIMO	2412	SU	/	21.17	20.77	23.98	<=29.78	Pass
		2437	SU	/	21.03	20.73	23.89	<=29.78	Pass
		2462	SU	/	21.01	20.39	23.72	<=29.78	Pass
802.11be (EHT40)	MIMO	2422	SU	/	21.37	21.10	24.25	<=29.78	Pass
		2437	SU	/	21.55	21.34	24.46	<=29.78	Pass
		2452	SU	/	21.48	21.11	24.31	<=29.78	Pass

Note1: Antenna Gain: Ant1: 6.22dBi; Ant2: 6.22dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

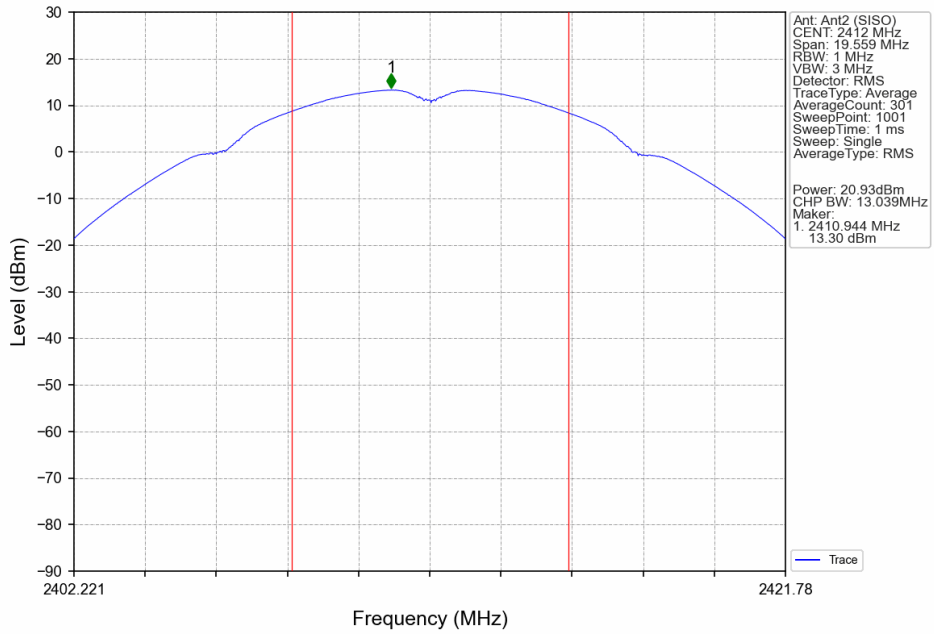
3.2 Test Graph

3.2.1 Power

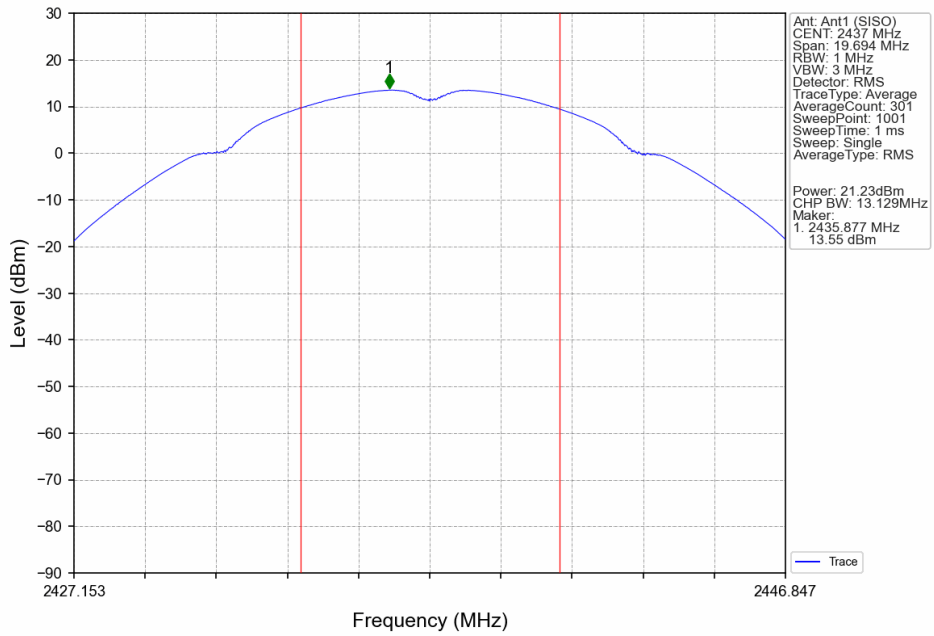
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



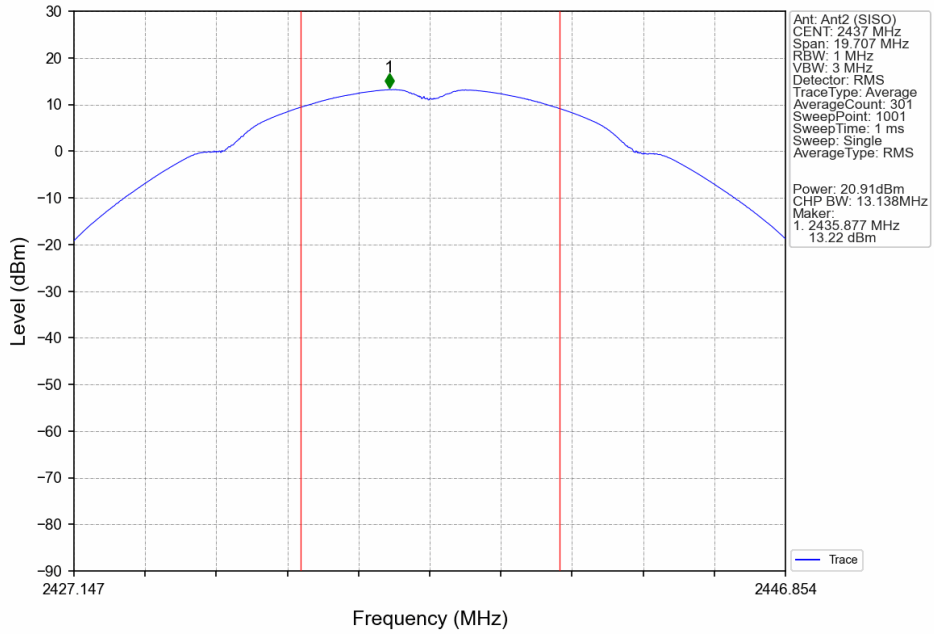
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV


Ant: Ant2 (SISO)
CENT: 2412 MHz
Span: 19.559 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 301
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Single
AverageType: RMS
Power: 20.93dBm
CHP BW: 13.039MHz
Maker:
1. 2410.944 MHz
13.30 dBm
Trace
Level (dBm)
Frequency (MHz)
2402.221
2421.78
1

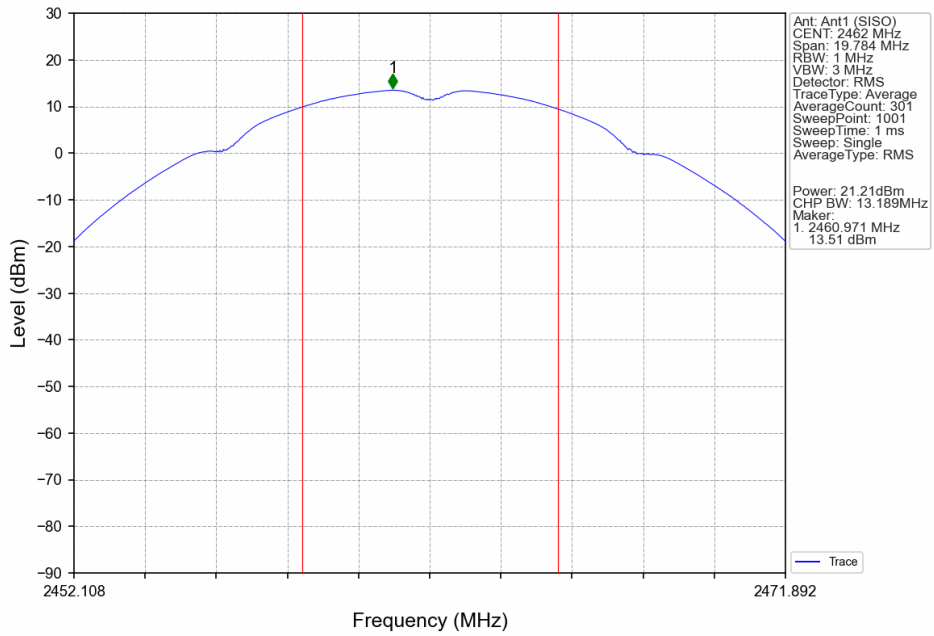
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



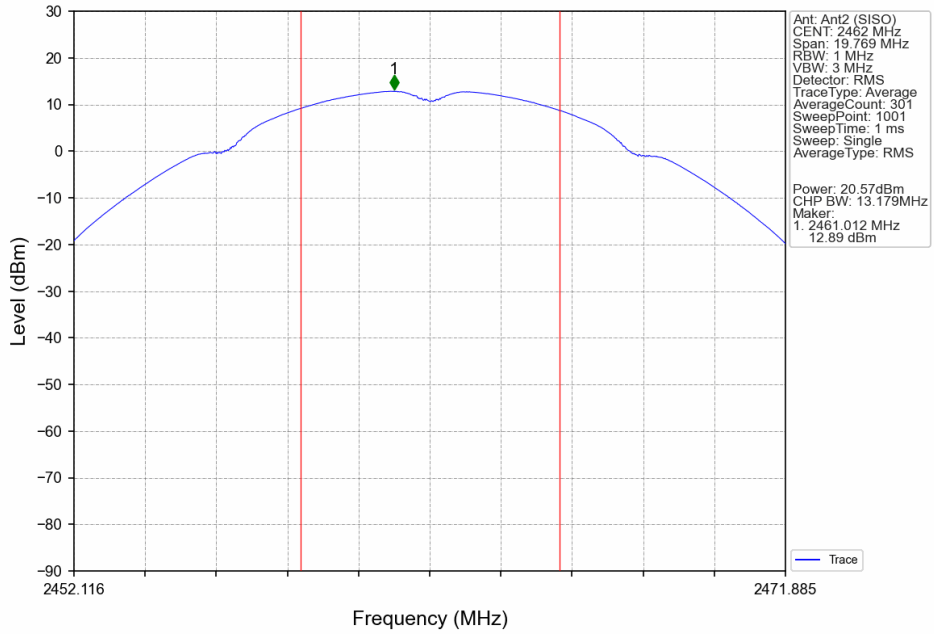
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



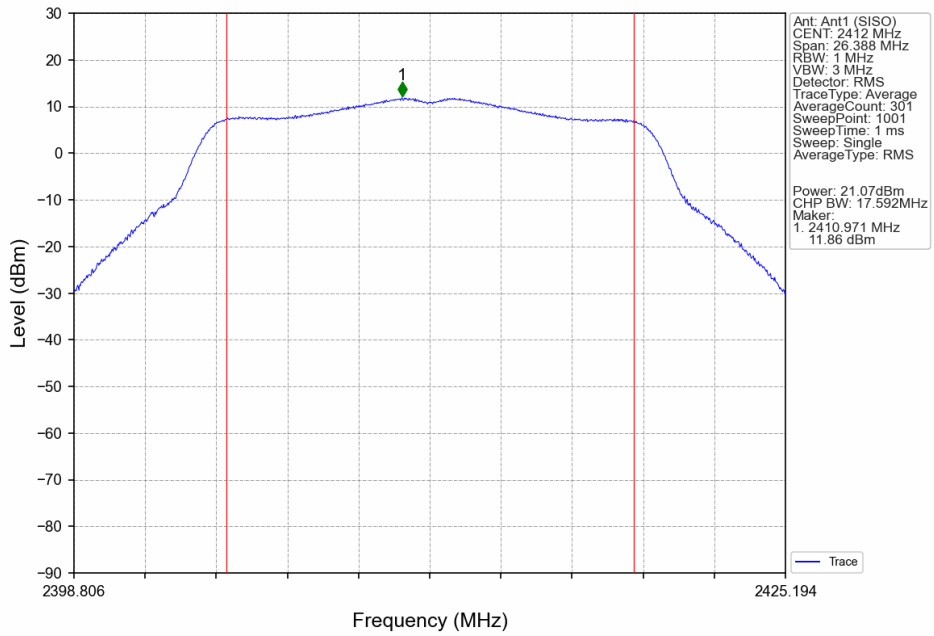
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



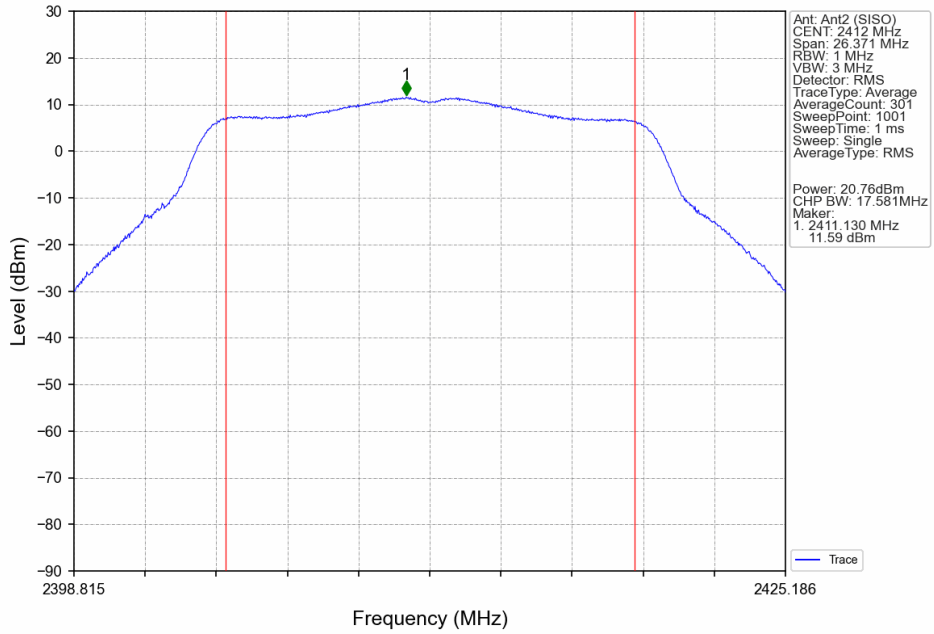
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



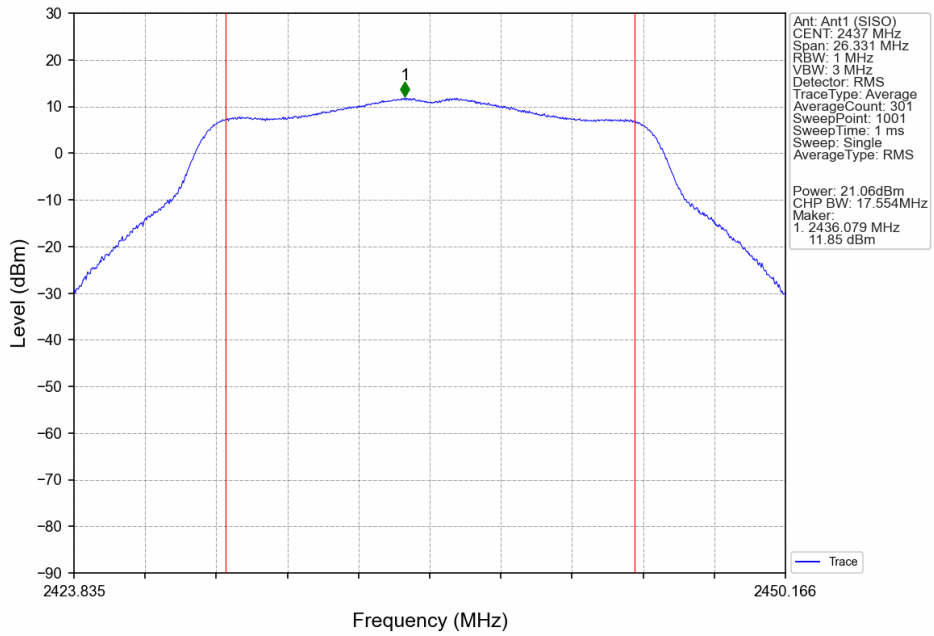
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



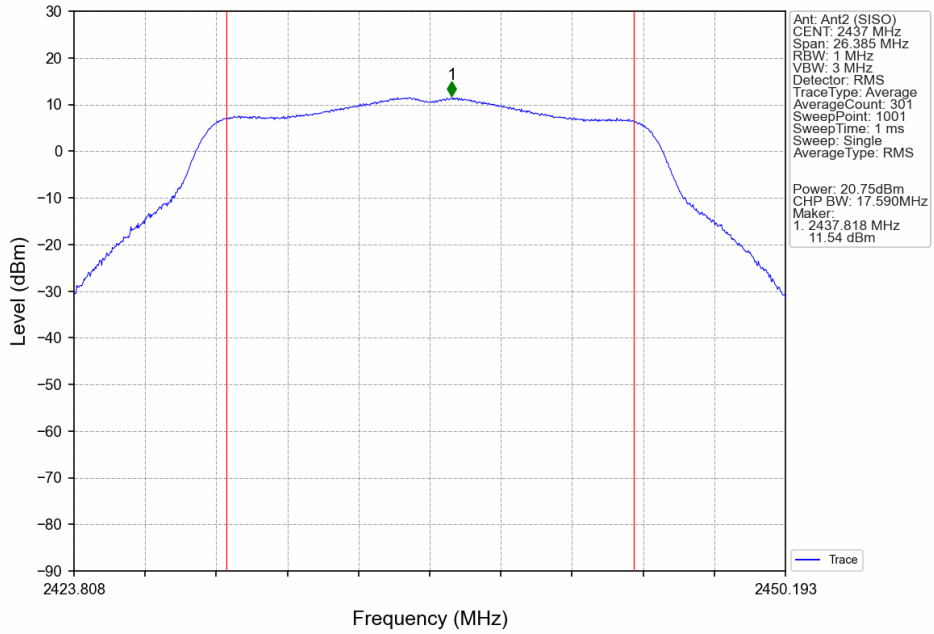
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



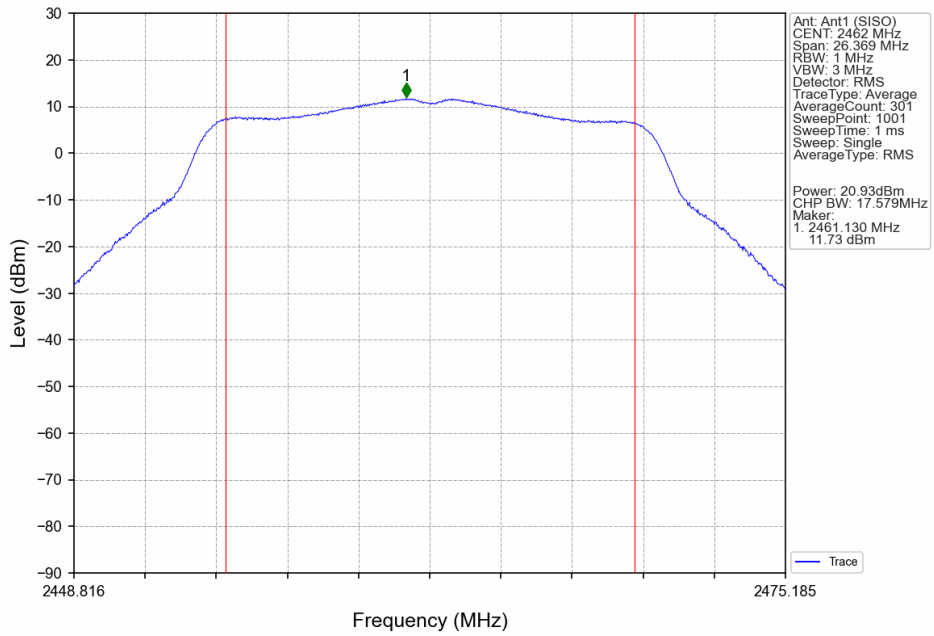
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



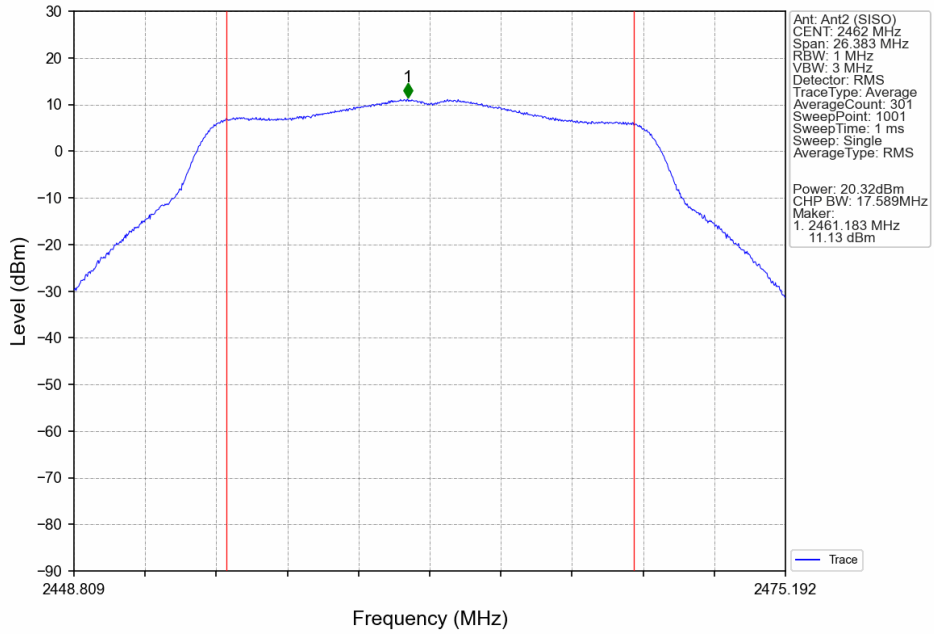
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



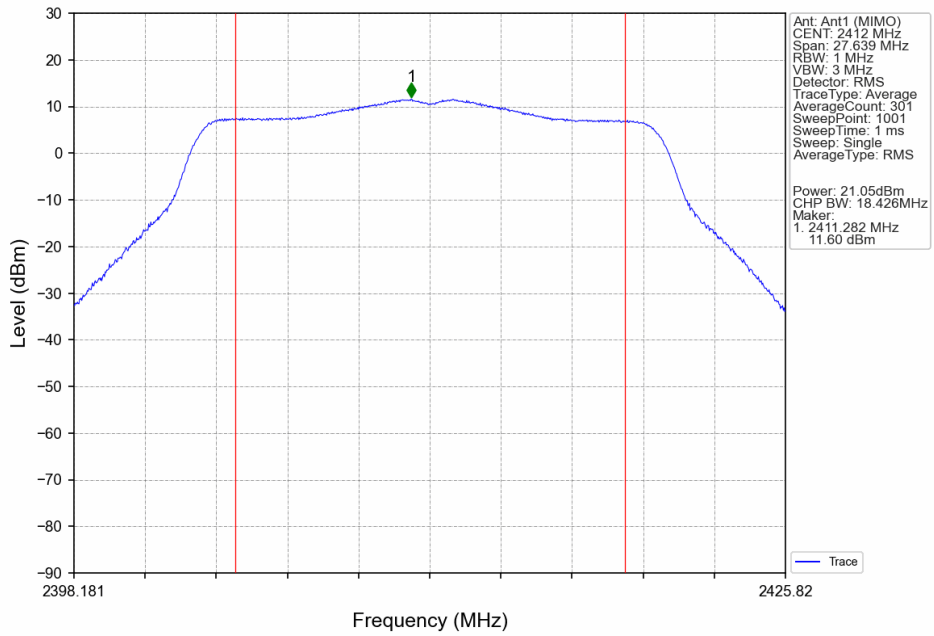
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



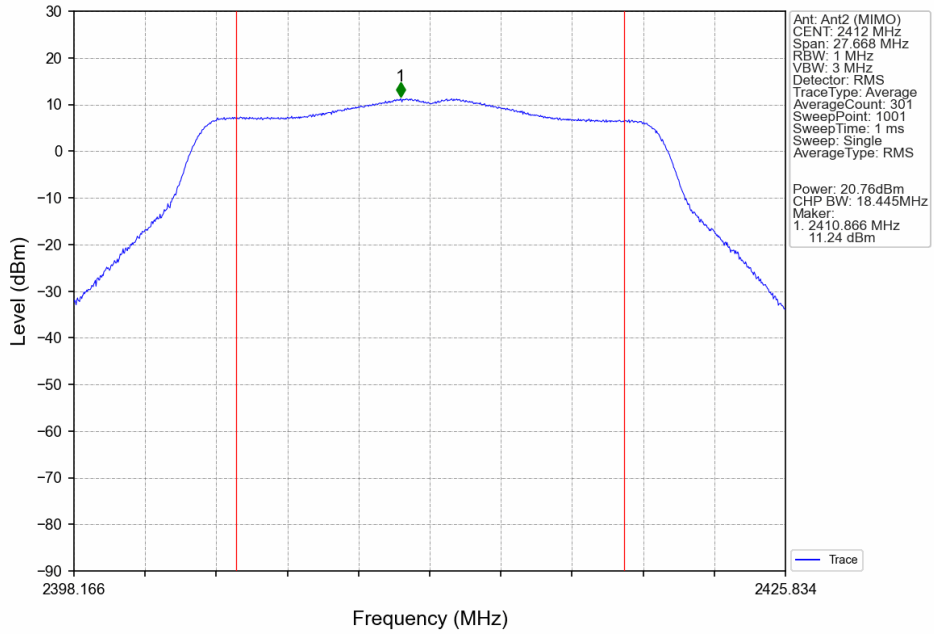
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



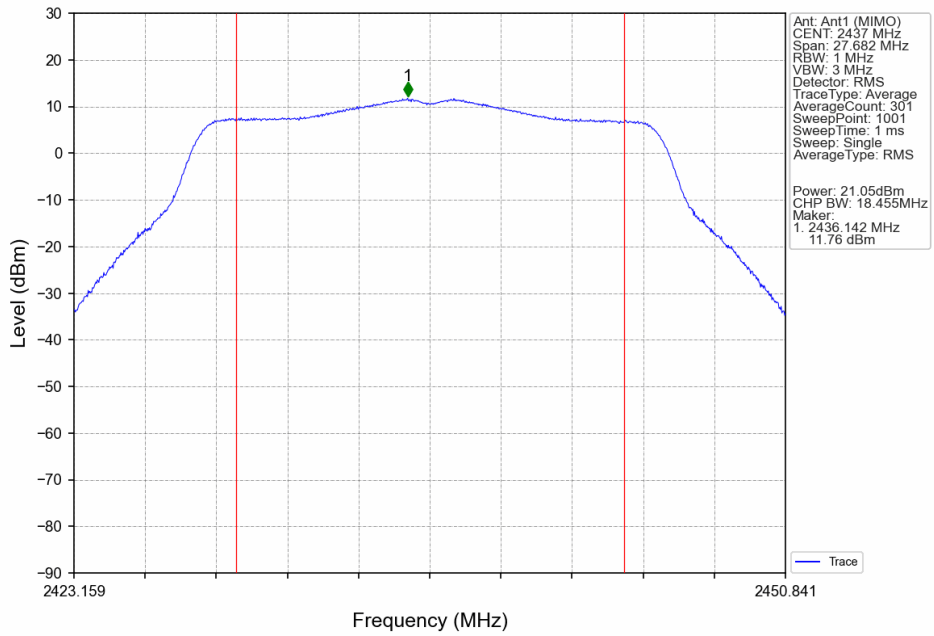
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



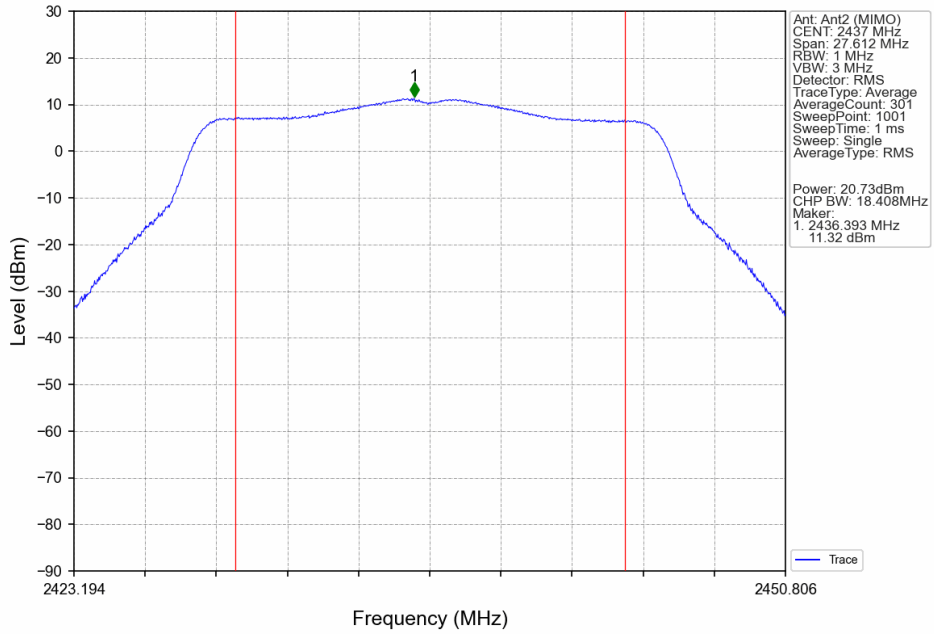
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



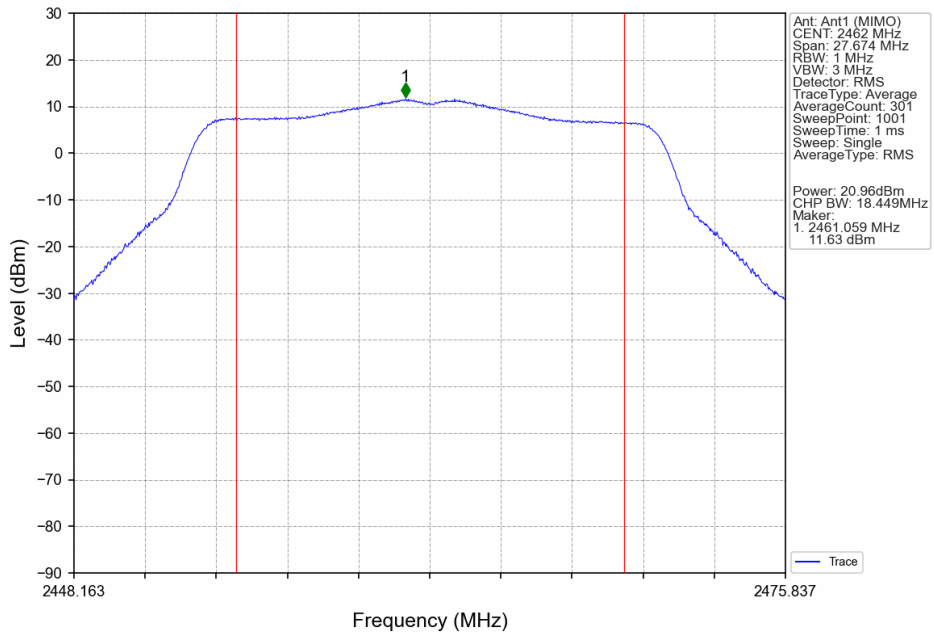
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



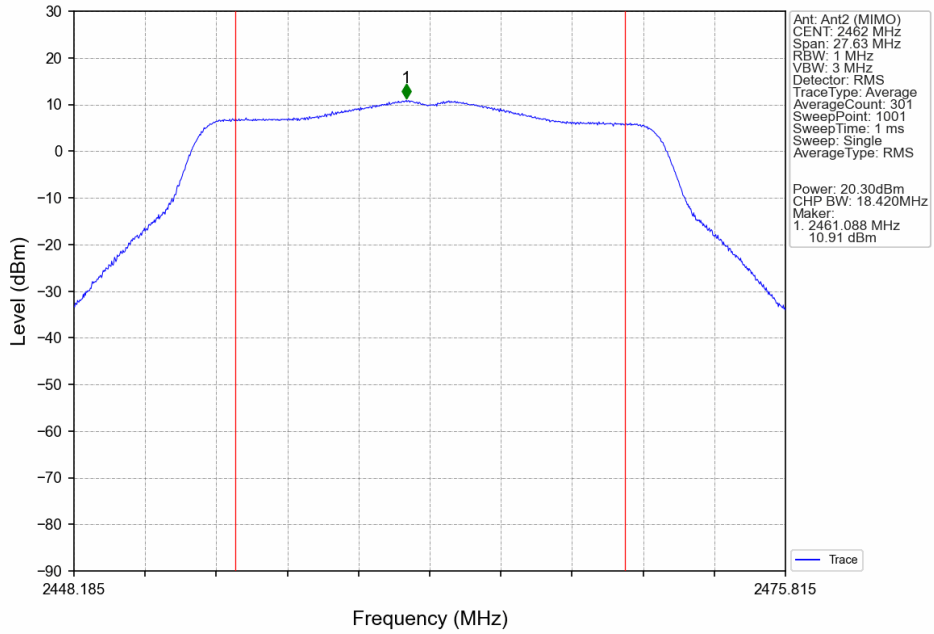
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



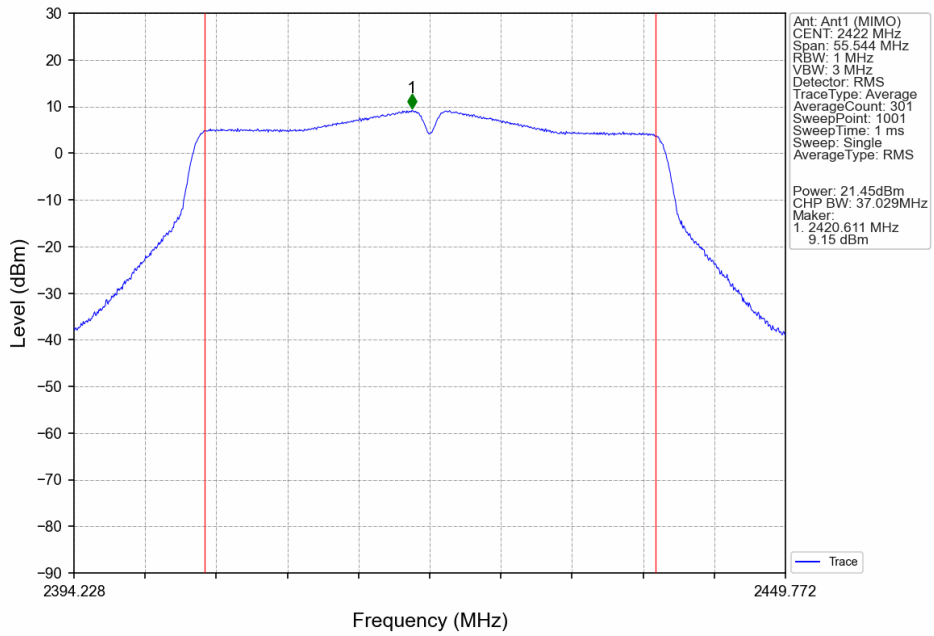
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



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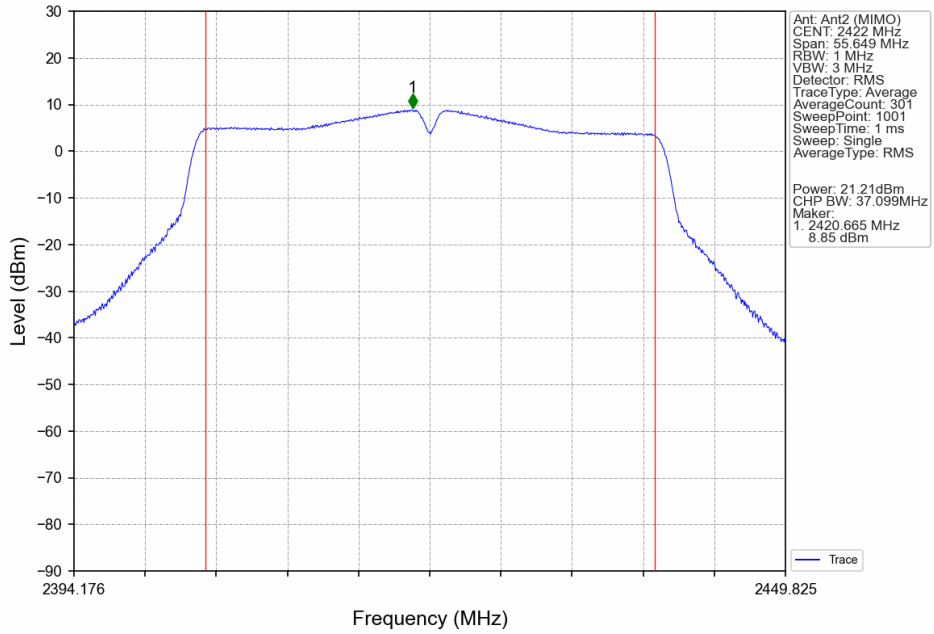
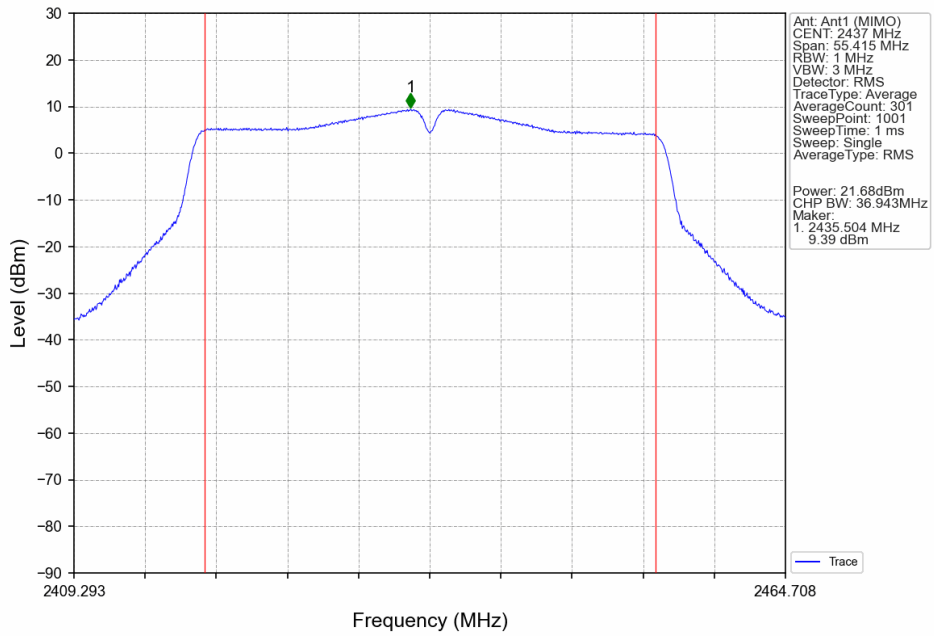
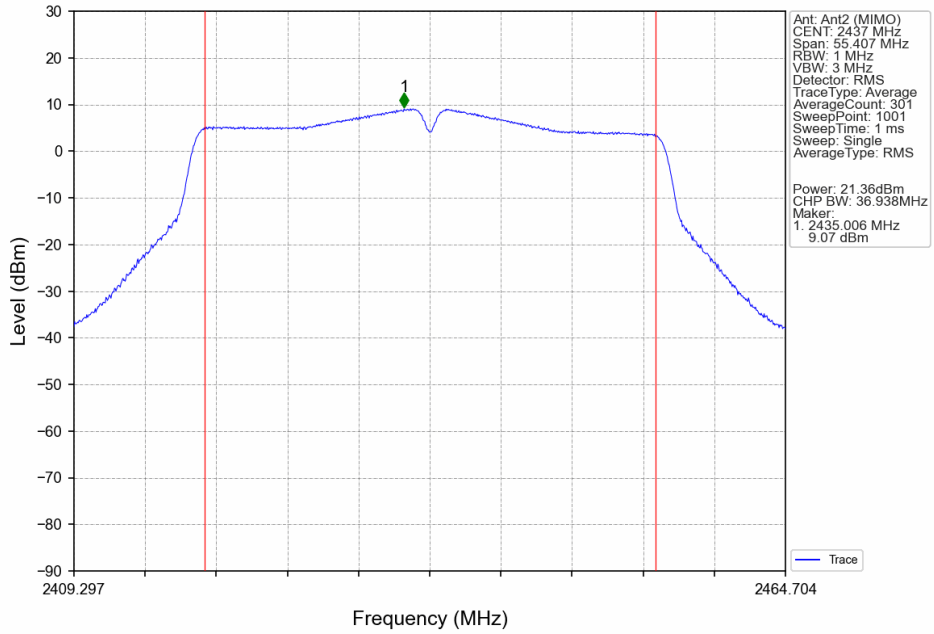


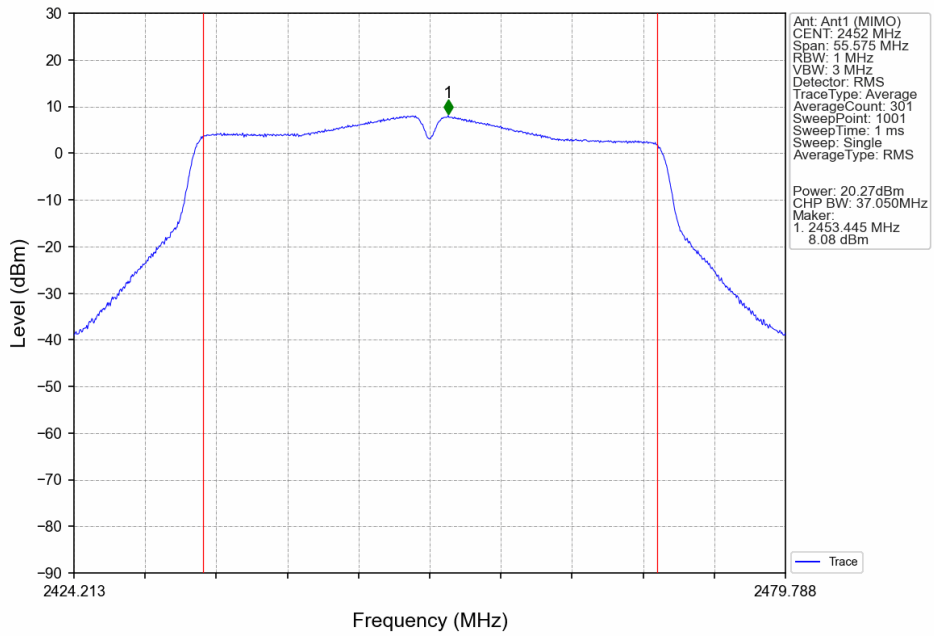
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



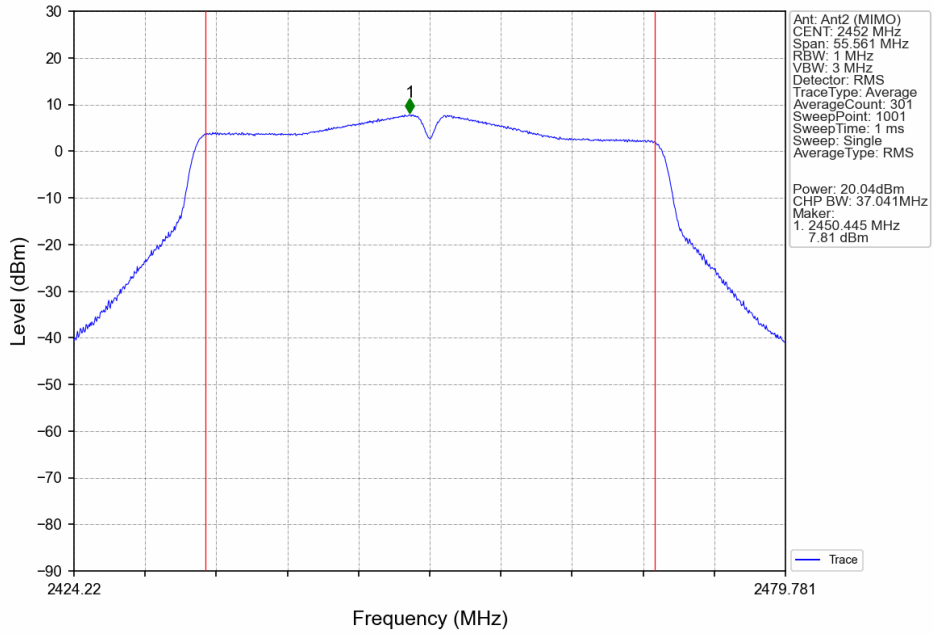
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



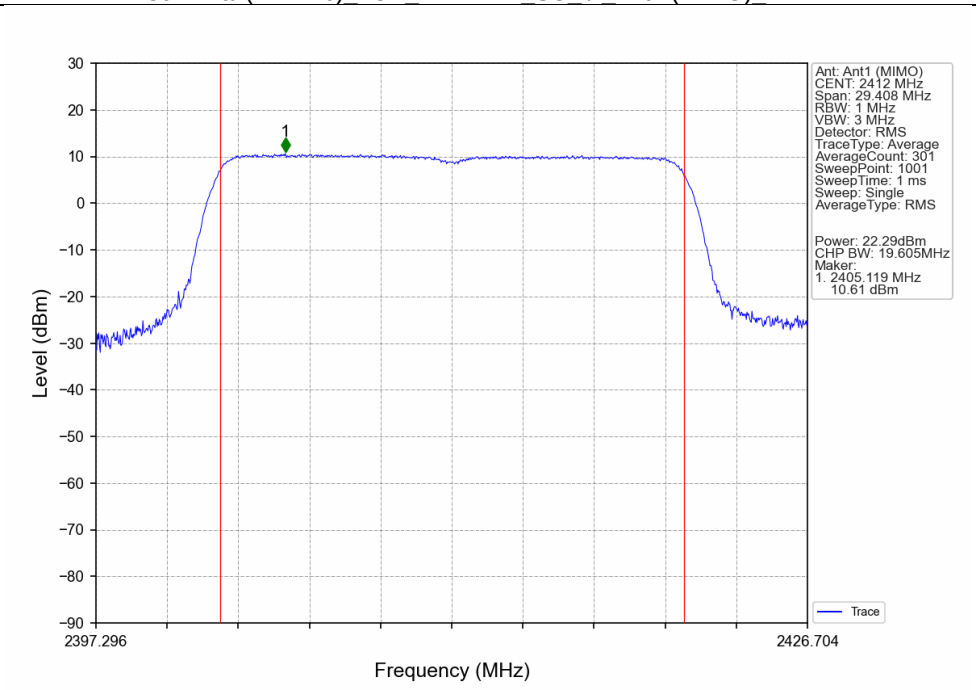
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



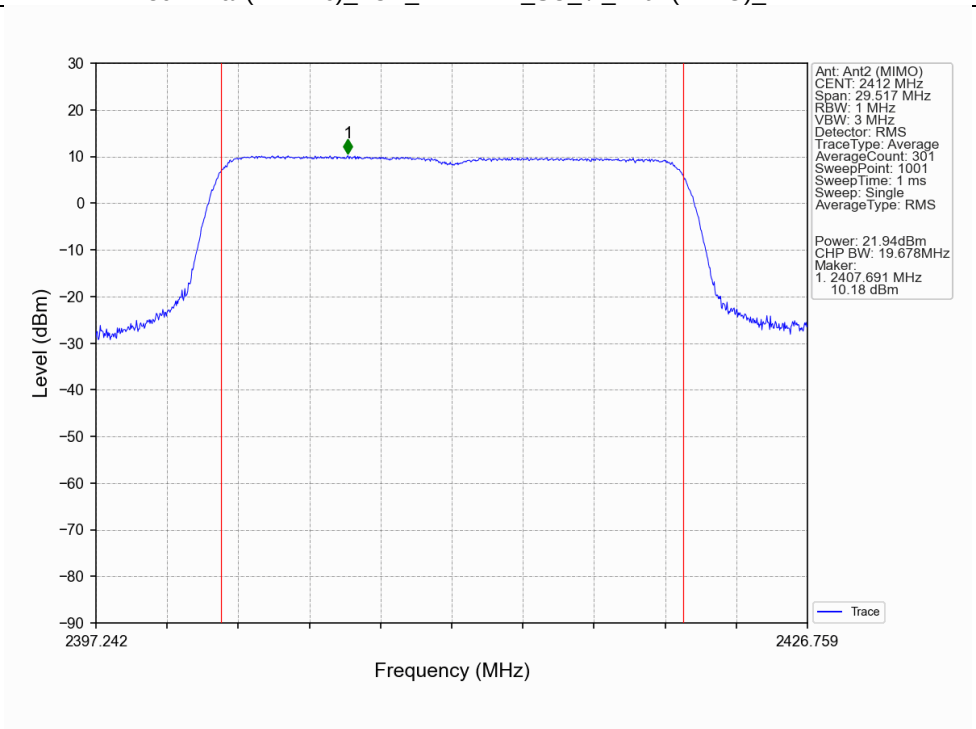
802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



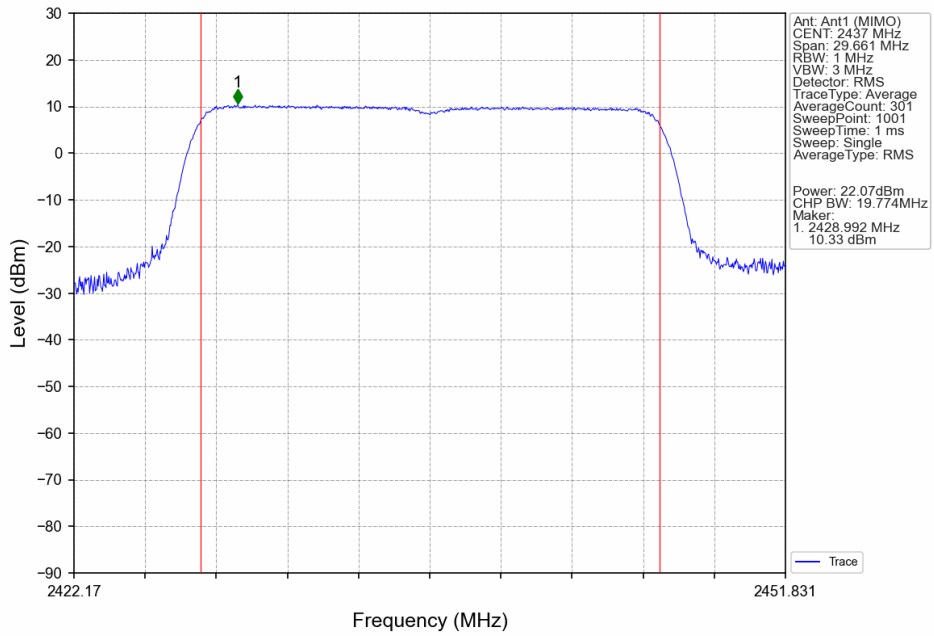
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant1 (MIMO)_NTNV



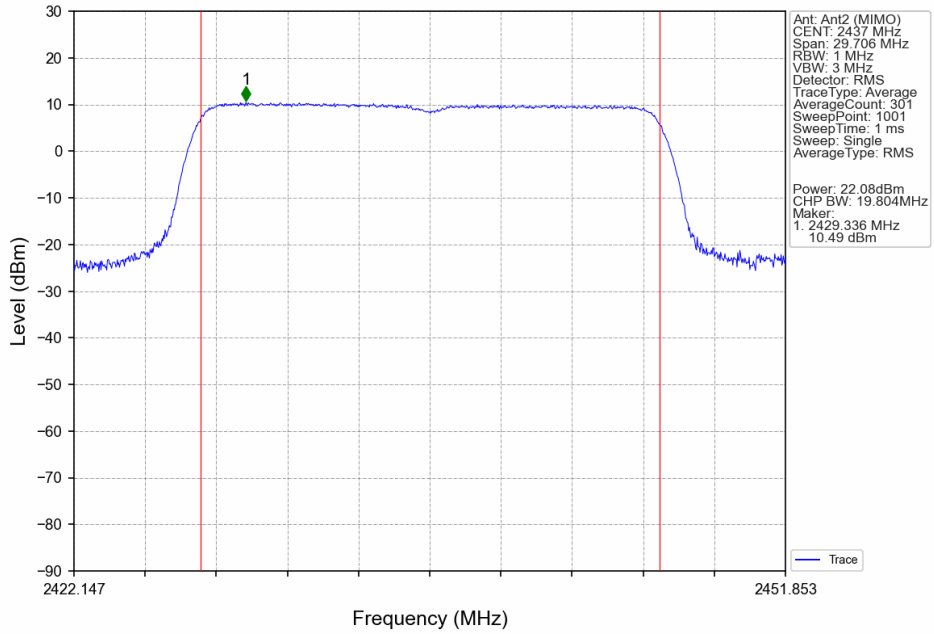
802.11ax(HEW20)_LCH_2412MHz_SU_ / _Ant2 (MIMO)_NTNV



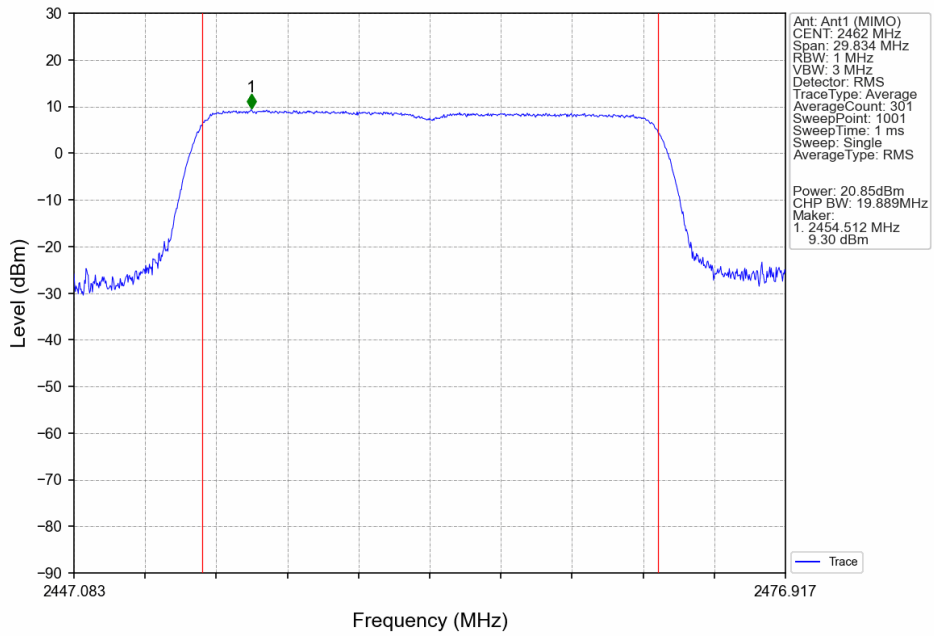
802.11ax(HEW20)_MCH_2437MHz_SU_ / _Ant1 (MIMO)_NTNV



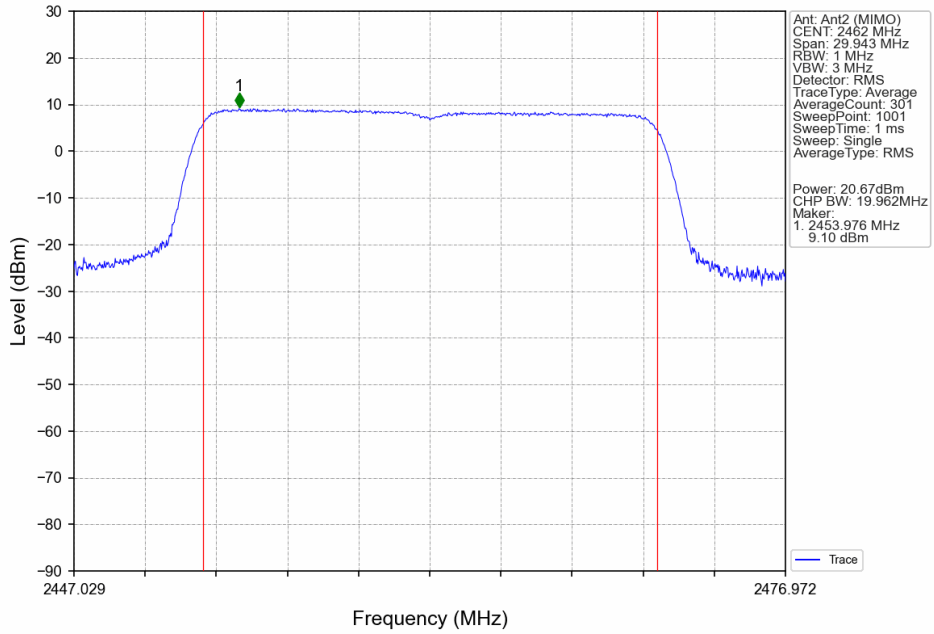
802.11ax(HEW20)_MCH_2437MHz_SU_ / _Ant2 (MIMO)_NTNV



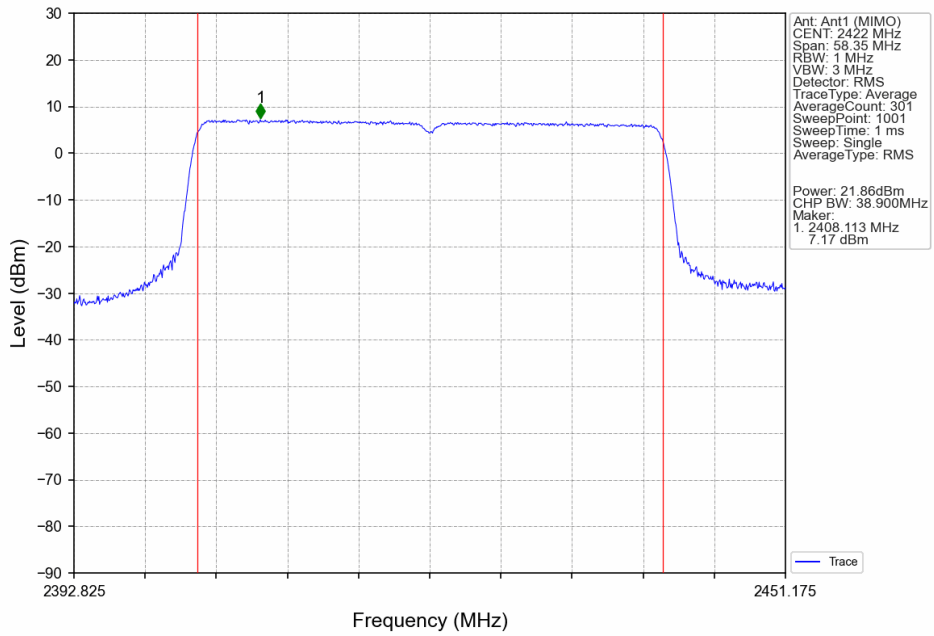
802.11ax(HEW20)_HCH_2462MHz_SU_ / _Ant1 (MIMO)_NTNV



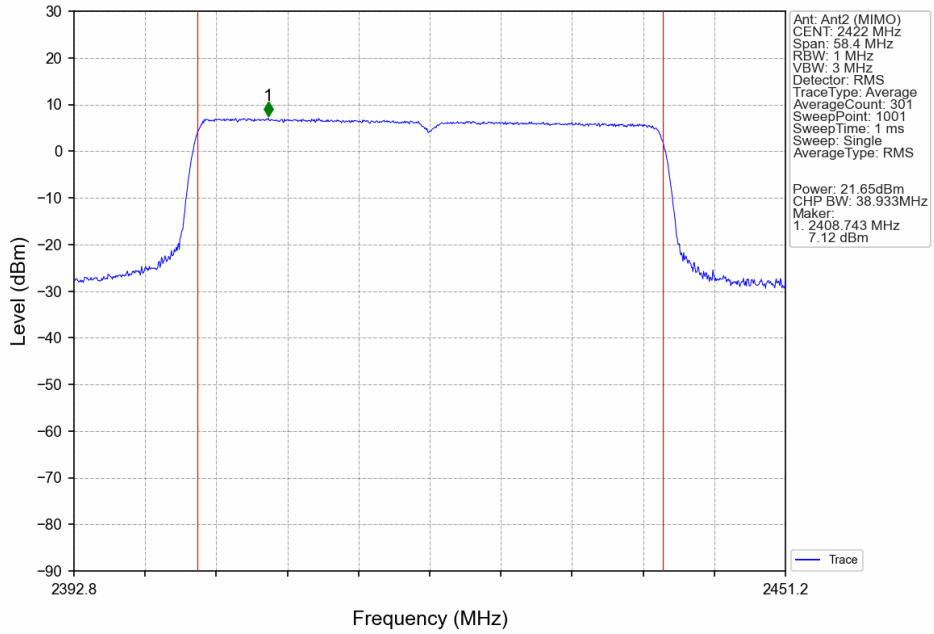
802.11ax(HEW20)_HCH_2462MHz_SU_ / _Ant2 (MIMO)_NTNV



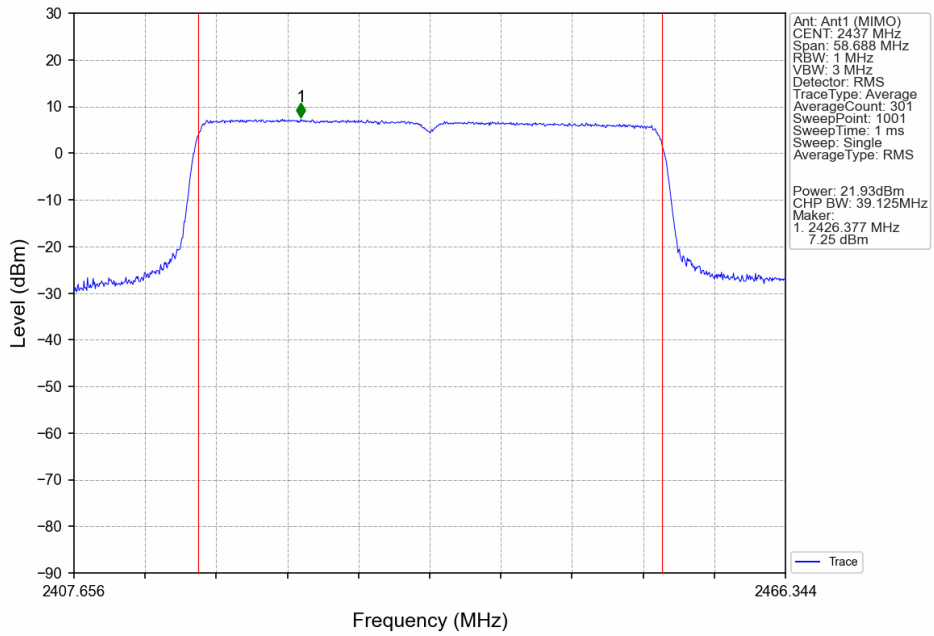
802.11ax(HEW40)_LCH_2422MHz_SU_ / _Ant1 (MIMO)_NTNV



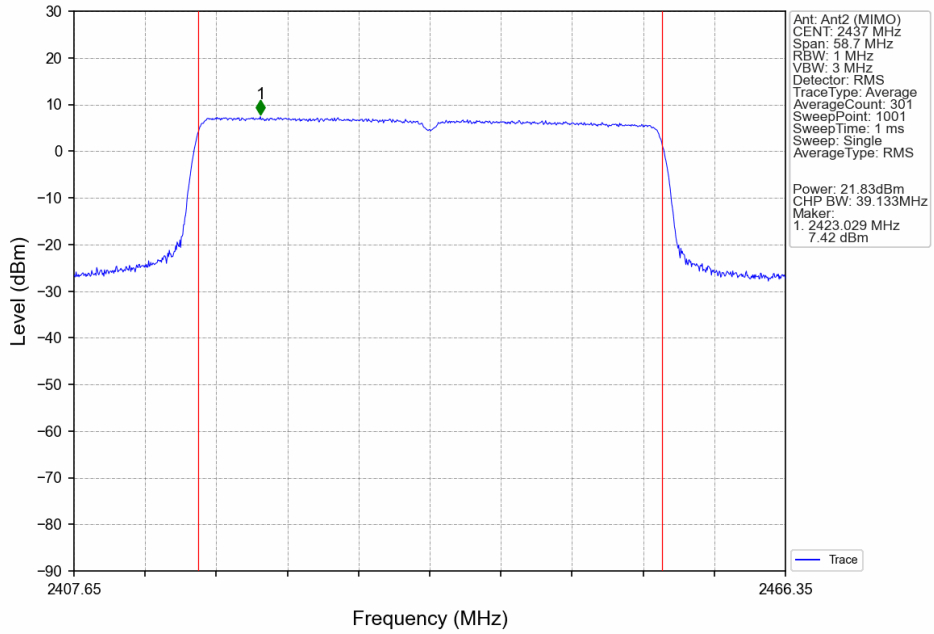
802.11ax(HEW40)_LCH_2422MHz_SU_ / _Ant2 (MIMO)_NTNV



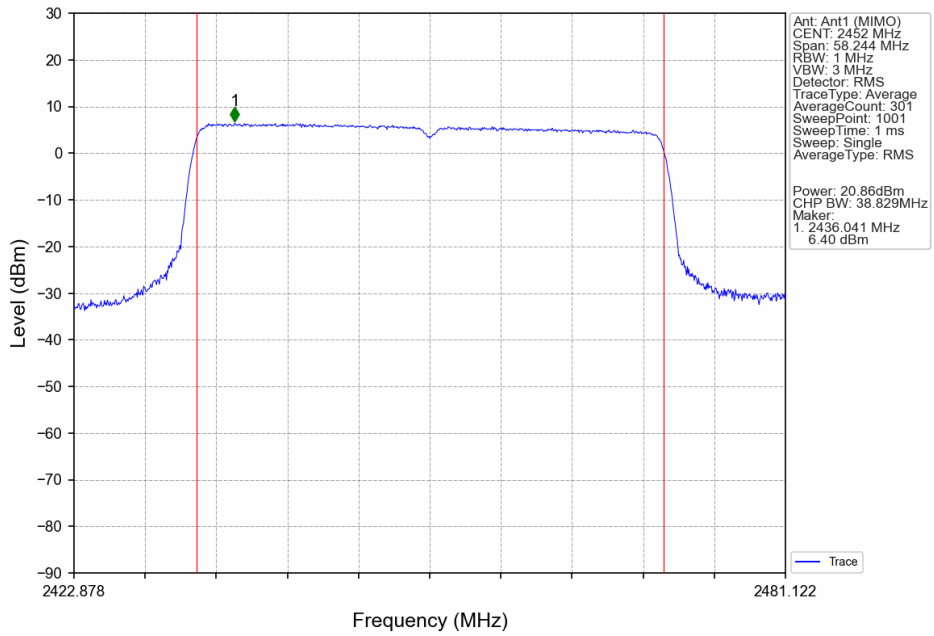
802.11ax(HEW40)_MCH_2437MHz_SU_ / _Ant1 (MIMO)_NTNV



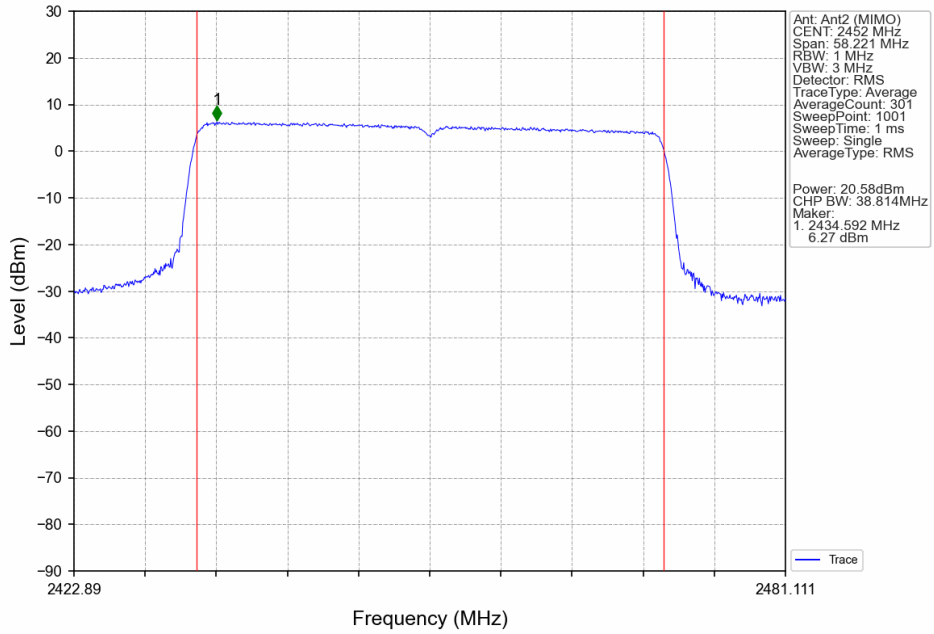
802.11ax(HEW40)_MCH_2437MHz_SU_ / _Ant2 (MIMO)_NTNV



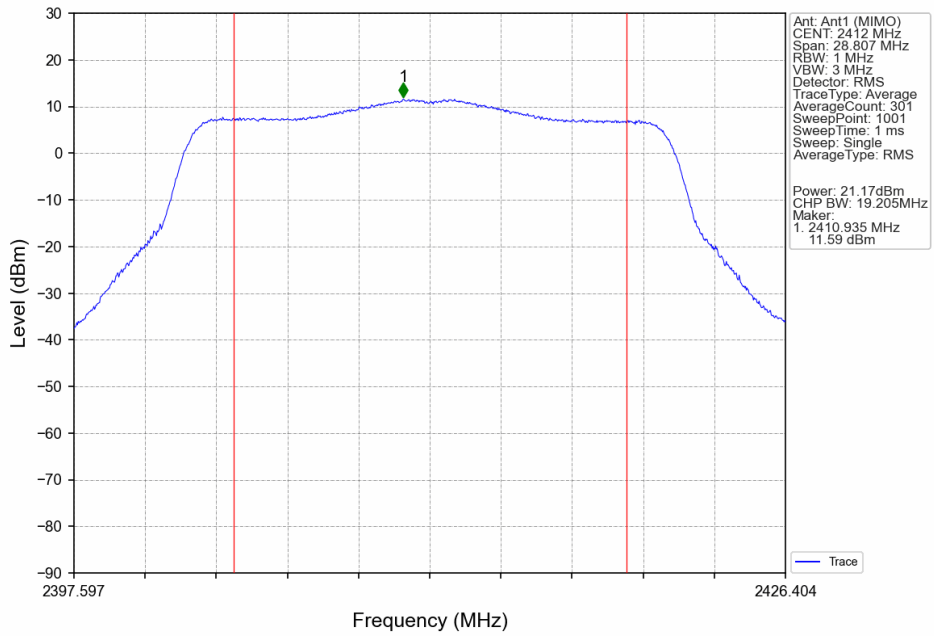
802.11ax(HEW40)_HCH_2452MHz_SU_ / _Ant1 (MIMO)_NTNV



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



802.11be(EHT20)_LCH_2412MHz_SU_ / _Ant1 (MIMO)_NTNV



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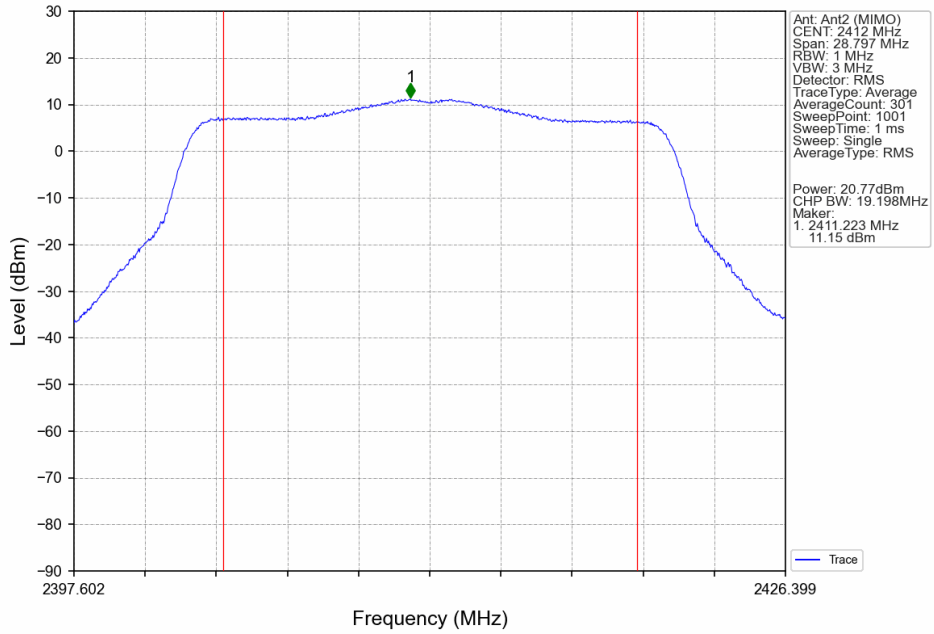

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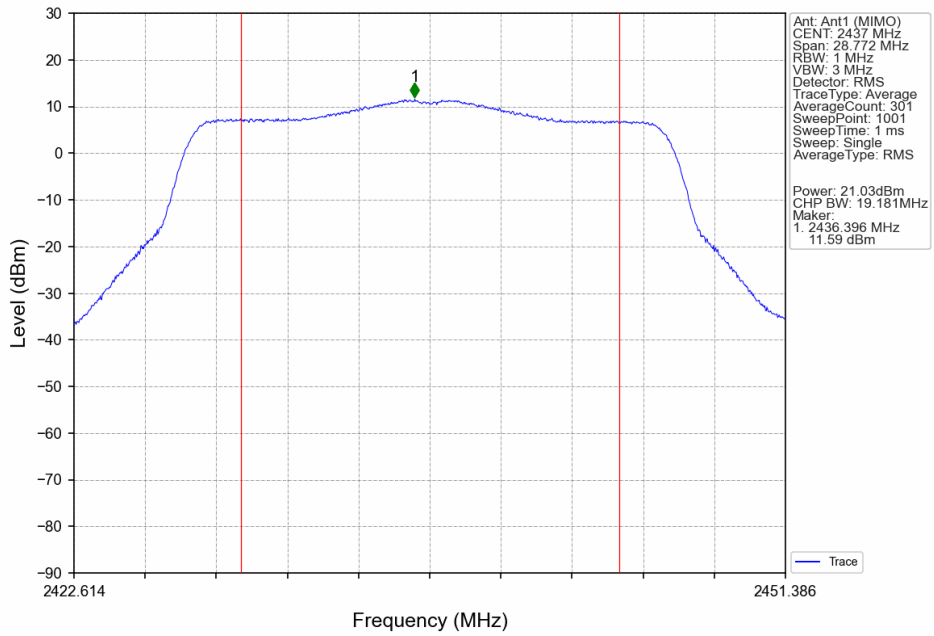
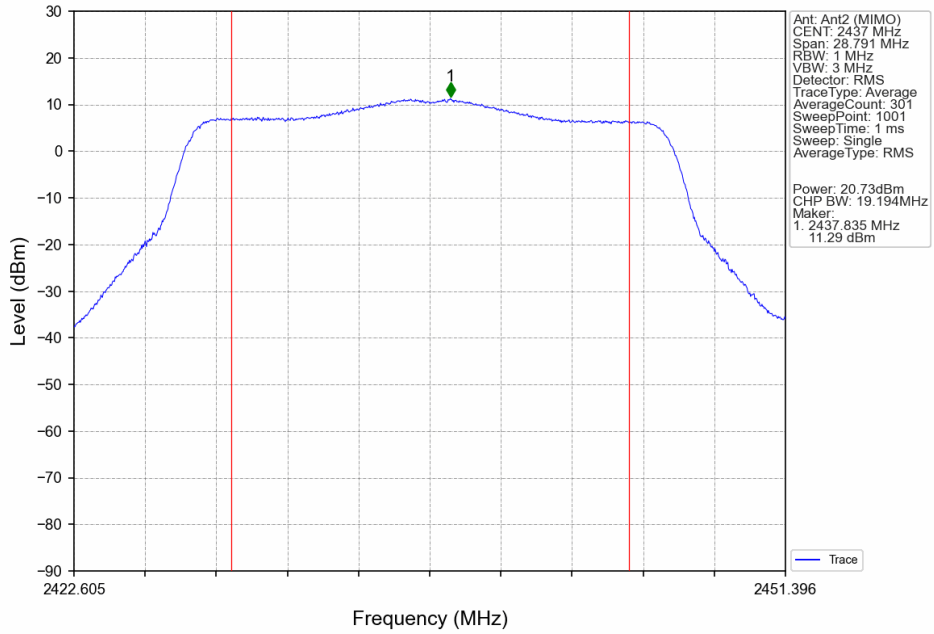
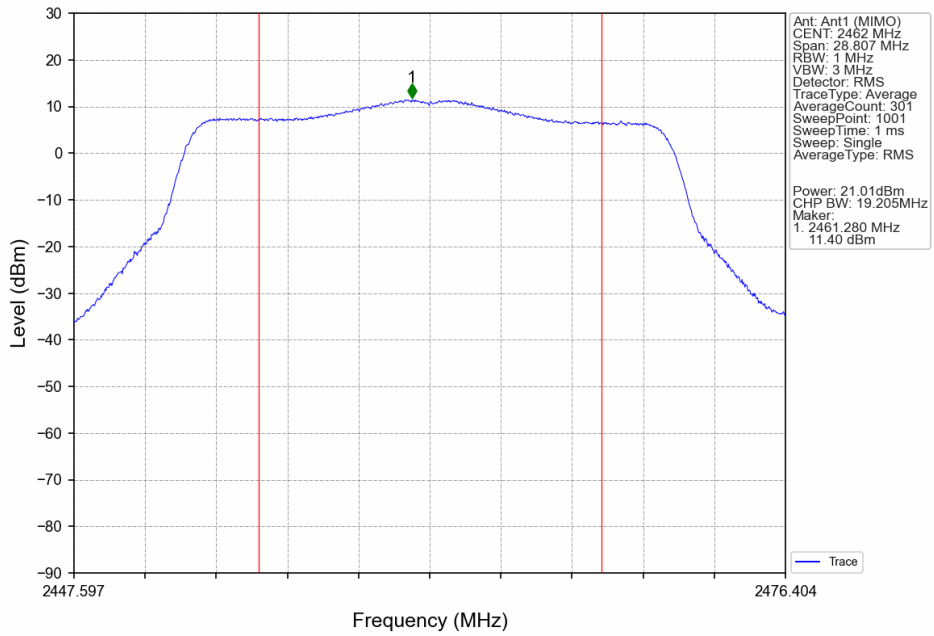


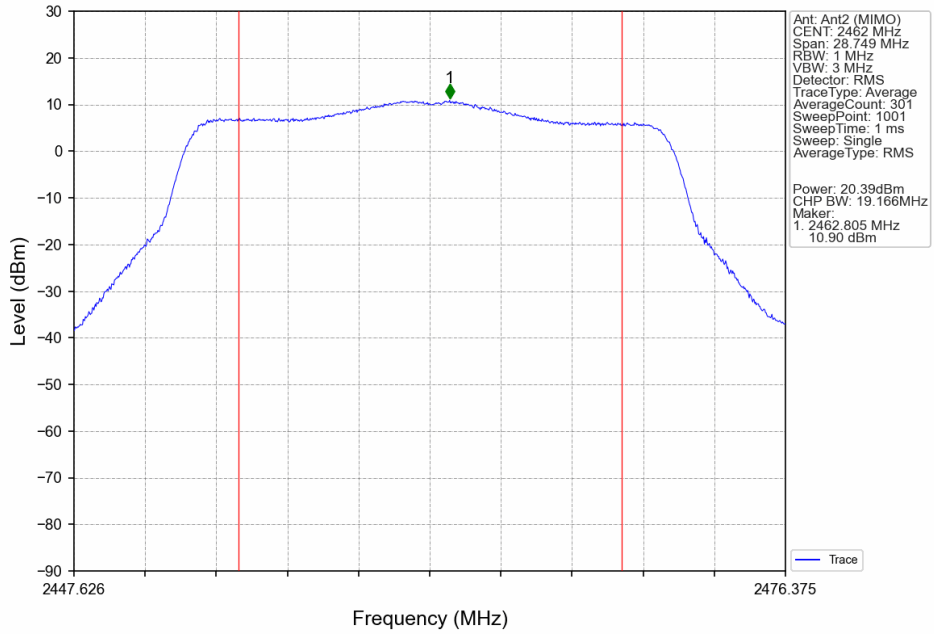
802.11be(EHT20)_MCH_2437MHz_SU_ / _Ant2 (MIMO)_NTNV



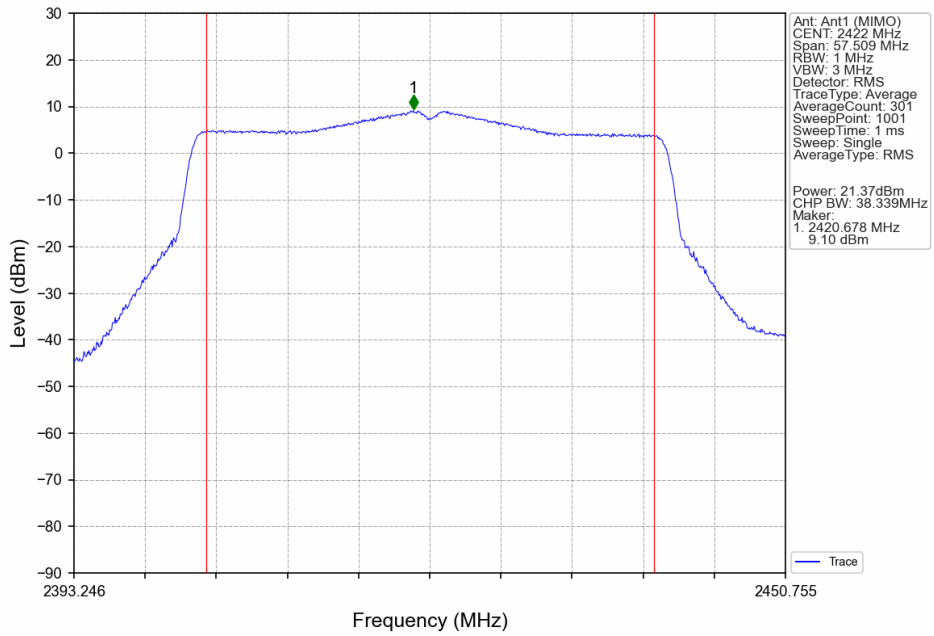
802.11be(EHT20)_HCH_2462MHz_SU_ / _Ant1 (MIMO)_NTNV



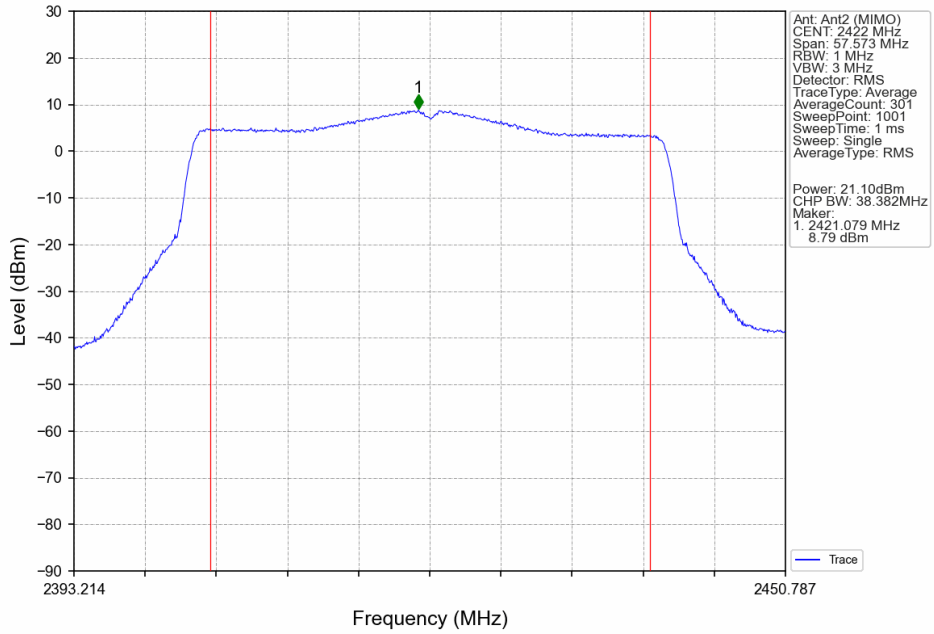
802.11be(EHT20)_HCH_2462MHz_SU_ / _Ant2 (MIMO)_NTNV



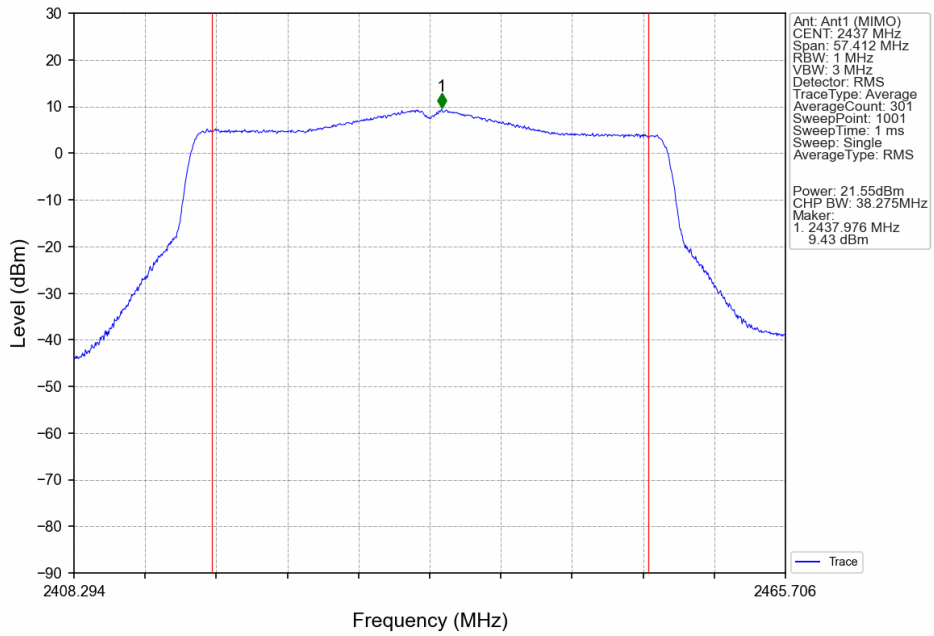
802.11be(EHT40)_LCH_2422MHz_SU_ / _Ant1 (MIMO)_NTNV



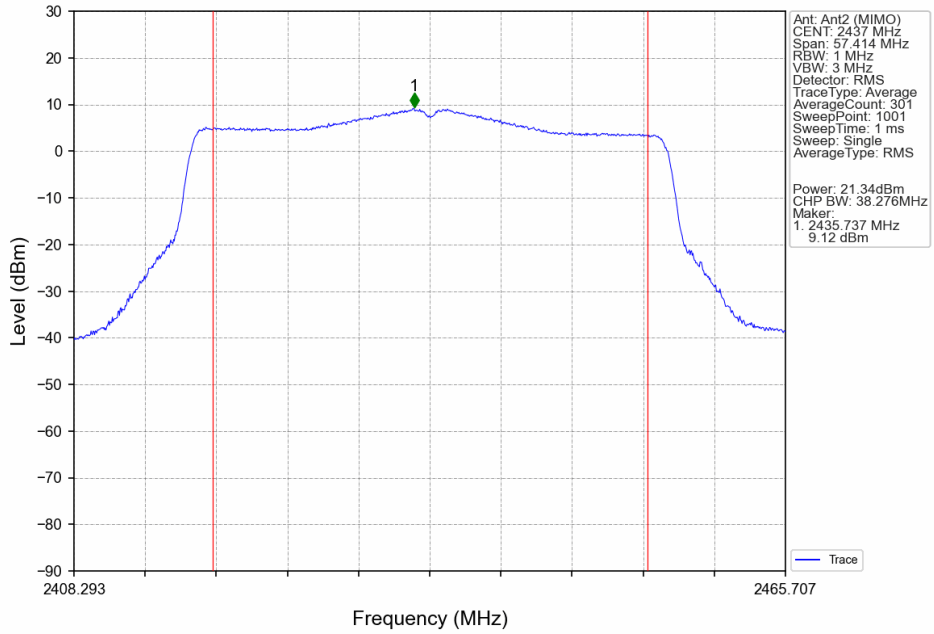
802.11be(EHT40)_LCH_2422MHz_SU_ / _Ant2 (MIMO)_NTNV



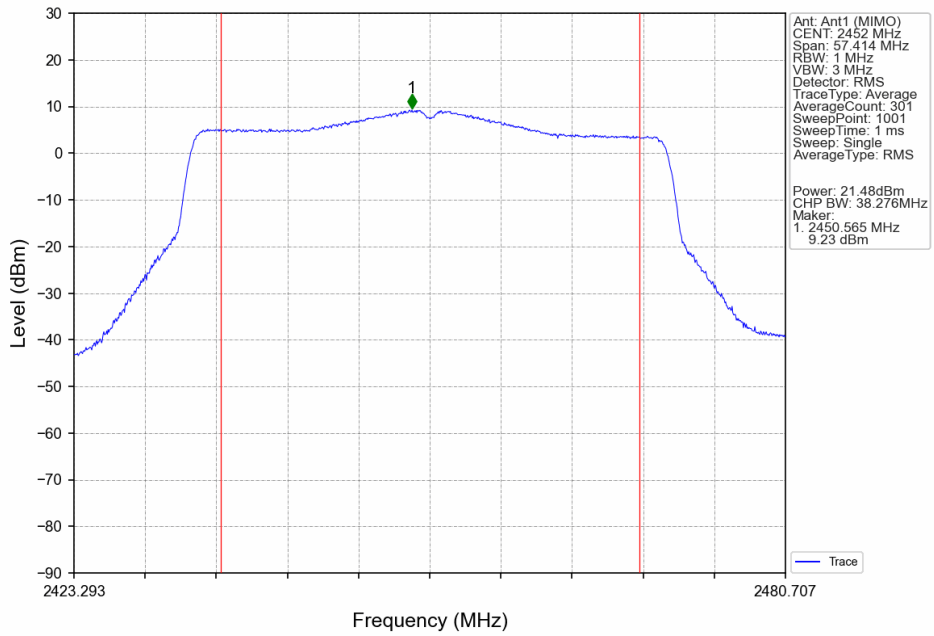
802.11be(EHT40)_MCH_2437MHz_SU_ / _Ant1 (MIMO)_NTNV



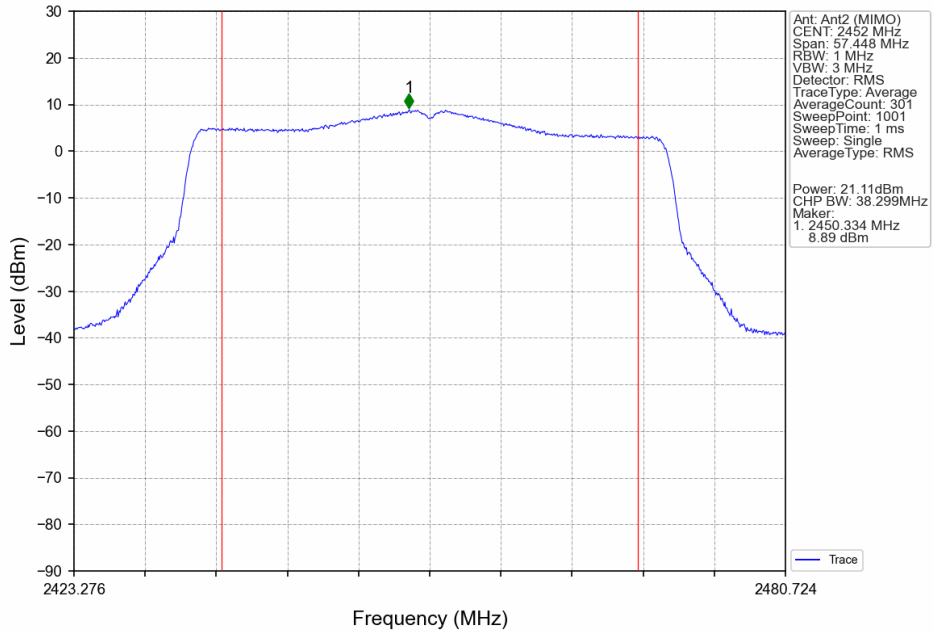
802.11be(EHT40)_MCH_2437MHz_SU_ / _Ant2 (MIMO)_NTNV



802.11be(EHT40)_HCH_2452MHz_SU_ / _Ant1 (MIMO)_NTNV



802.11be(EHT40)_HCH_2452MHz_SU_ / _Ant2 (MIMO)_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

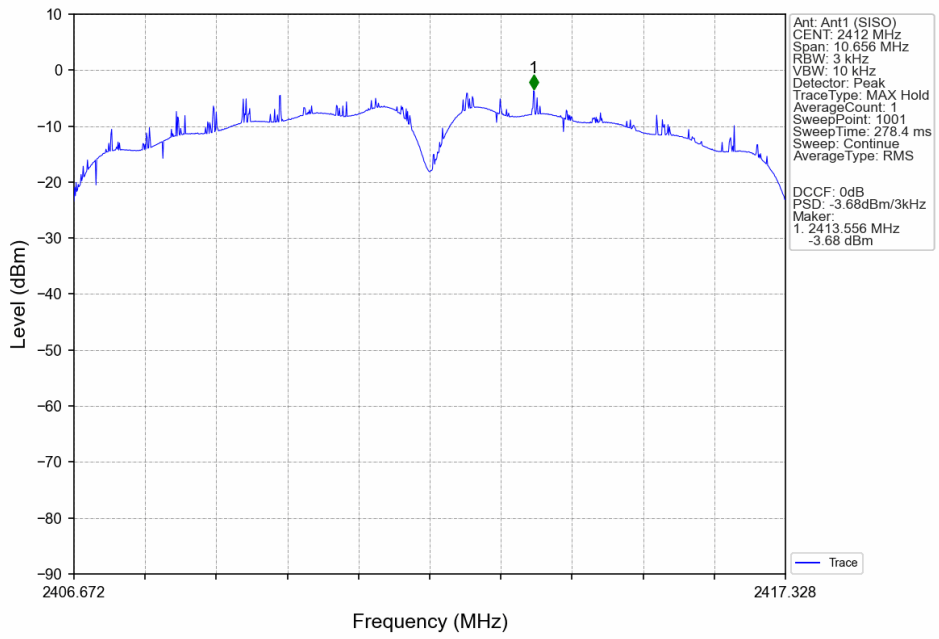
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	/	/	-3.68	-3.59	/	<=7.78	Pass
		2437	/	/	-2.71	-4.07	/	<=7.78	Pass
		2462	/	/	-3.80	-4.29	/	<=7.78	Pass
802.11g	SISO	2412	/	/	-4.05	-4.02	/	<=7.78	Pass
		2437	/	/	-4.99	-3.72	/	<=7.78	Pass
		2462	/	/	-3.96	-5.08	/	<=7.78	Pass
802.11n (HT20)	MIMO	2412	/	/	-3.05	-4.20	-1.57	<=7.78	Pass
		2437	/	/	-3.21	-3.64	-1.23	<=7.78	Pass
		2462	/	/	-3.13	-3.96	-1.04	<=7.78	Pass
802.11n (HT40)	MIMO	2422	/	/	-5.72	-6.53	-3.63	<=7.78	Pass
		2437	/	/	-5.89	-5.41	-3.01	<=7.78	Pass
		2452	/	/	-7.52	-7.57	-4.69	<=7.78	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	-4.54	-5.53	-2.94	<=7.78	Pass
		2437	SU	/	-4.92	-5.40	-2.72	<=7.78	Pass
		2462	SU	/	-6.42	-6.25	-3.82	<=7.78	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	-7.22	-7.75	-5.49	<=7.78	Pass
		2437	SU	/	-7.95	-8.32	-5.60	<=7.78	Pass
		2452	SU	/	-8.12	-9.48	-6.74	<=7.78	Pass
802.11be (EHT20)	MIMO	2412	SU	/	-2.87	-4.16	-1.23	<=7.78	Pass
		2437	SU	/	-3.98	-4.50	-2.16	<=7.78	Pass
		2462	SU	/	-4.46	-4.71	-2.01	<=7.78	Pass
802.11be (EHT40)	MIMO	2422	SU	/	-6.08	-6.70	-4.00	<=7.78	Pass
		2437	SU	/	-6.40	-5.89	-3.49	<=7.78	Pass
		2452	SU	/	-4.21	-6.25	-2.88	<=7.78	Pass

Note1: Antenna Gain: Ant1: 6.22dBi; Ant2: 6.22dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

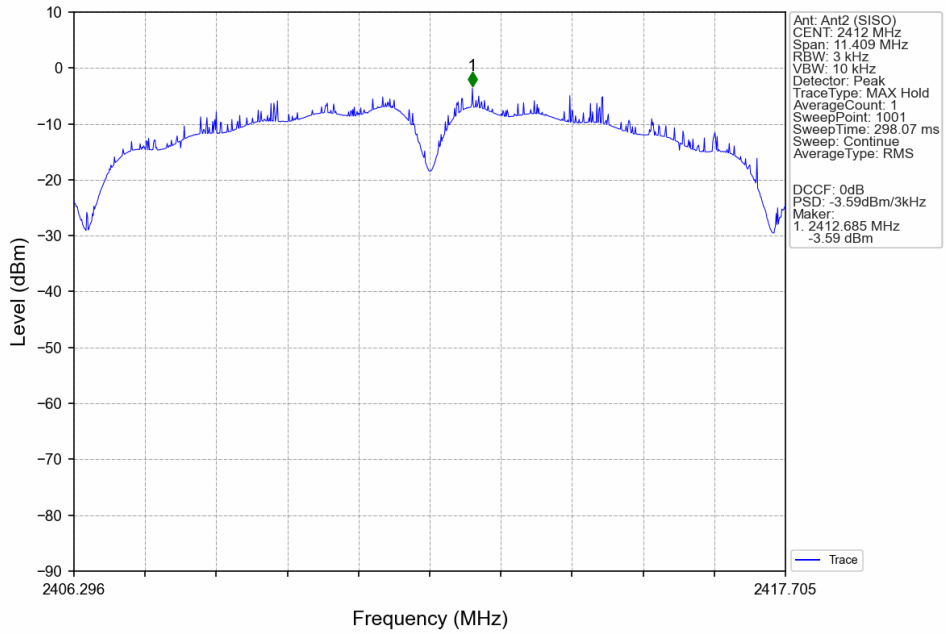
4.2 Test Graph

4.2.1 PSD

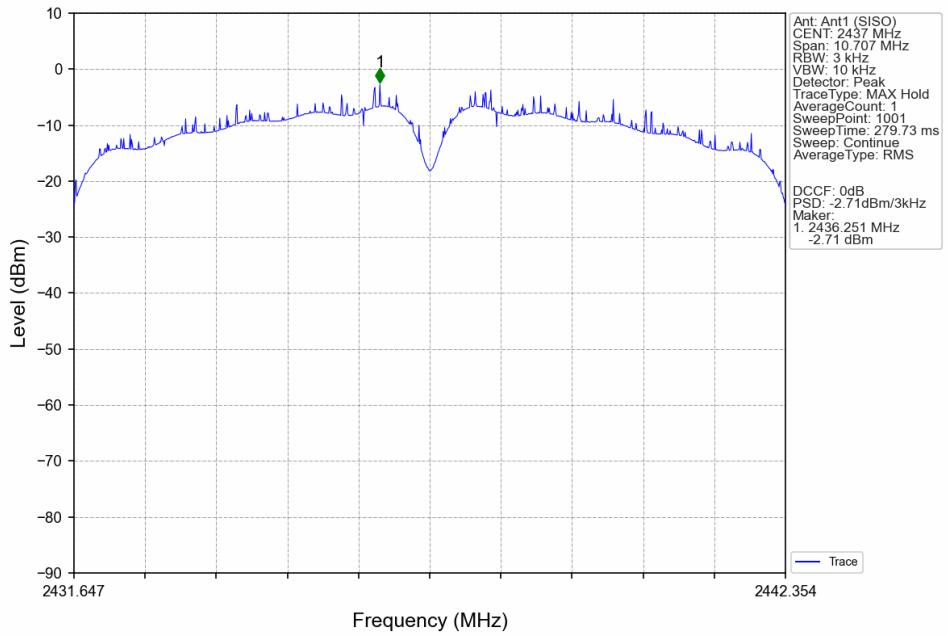
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



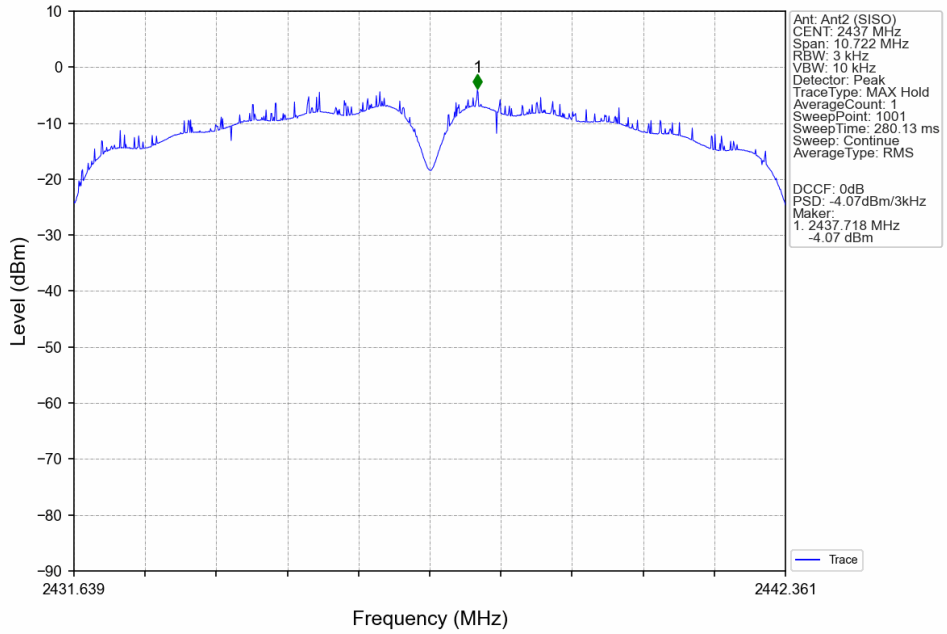
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV


Ant: Ant2 (SISO)
CENT: 2412 MHz
Span: 11.409 MHz
RBW: 3 kHz
VBW: 10 kHz
Detector: Peak
TraceType: MAX Hold
AverageCount: 1
SweepPoint: 1001
SweepTime: 298.07 ms
Sweep: Continue
AverageType: RMS
DCCF: 0dB
PSD: -3.59dBm/3kHz
Maker:
1. 2412.685 MHz
-3.59 dBm
Trace
1
Level (dBm)
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
2406.296
2417.705
Frequency (MHz)

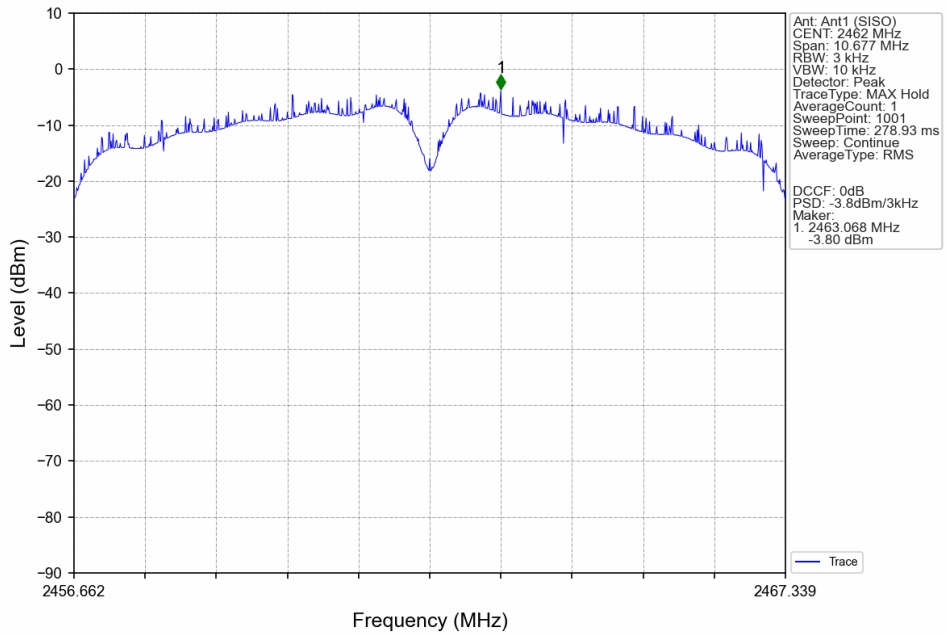
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



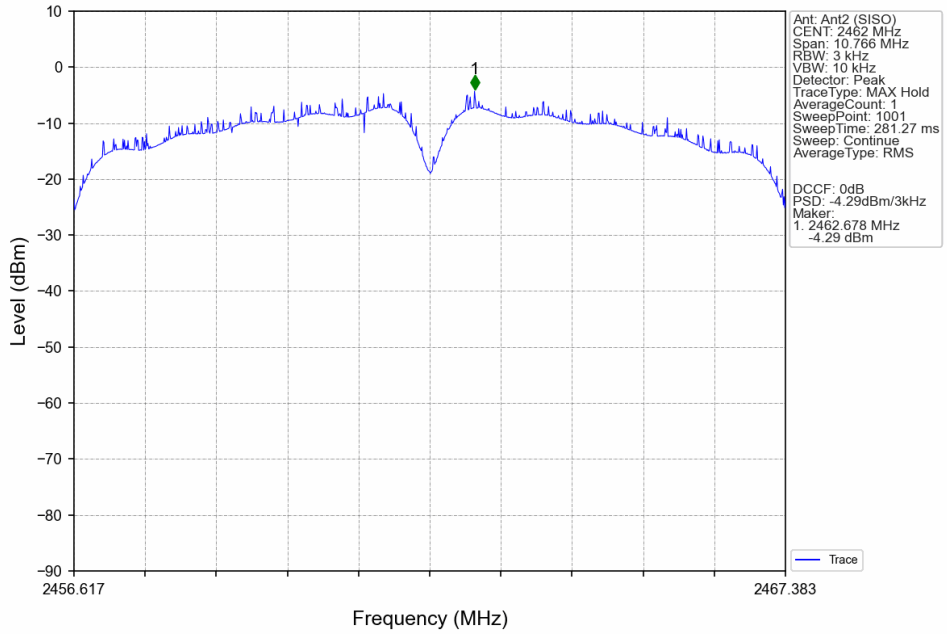
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



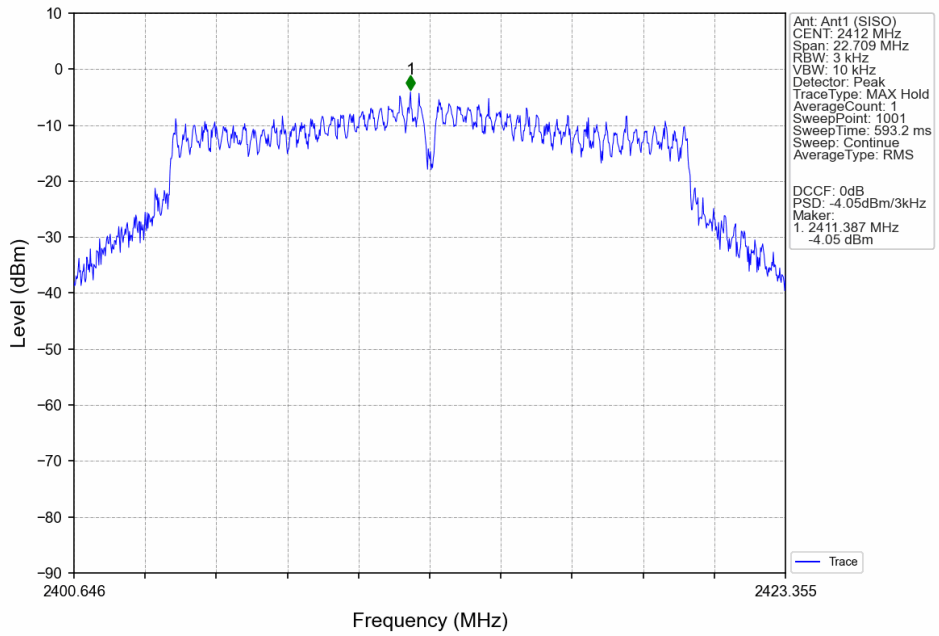
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



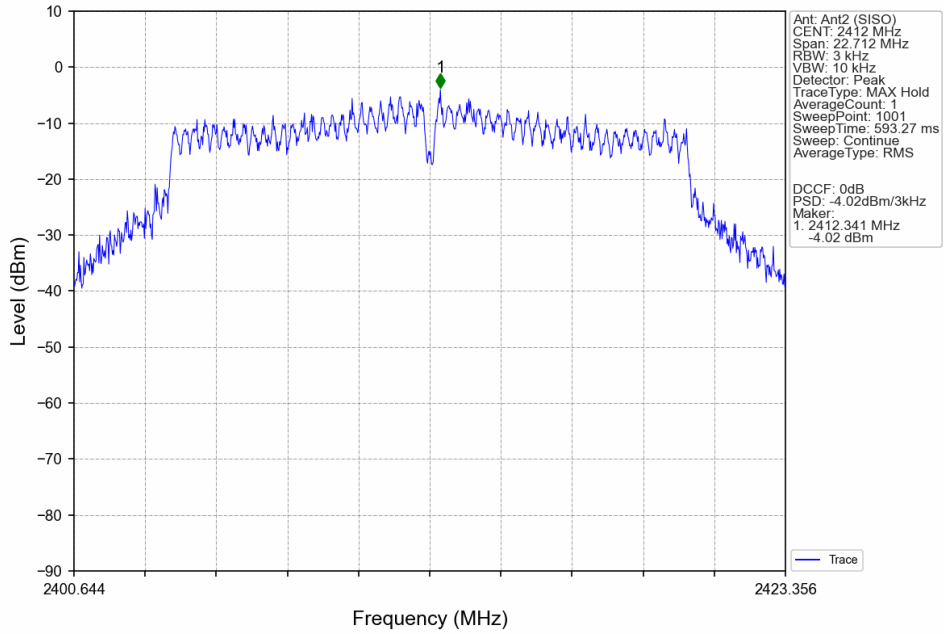
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



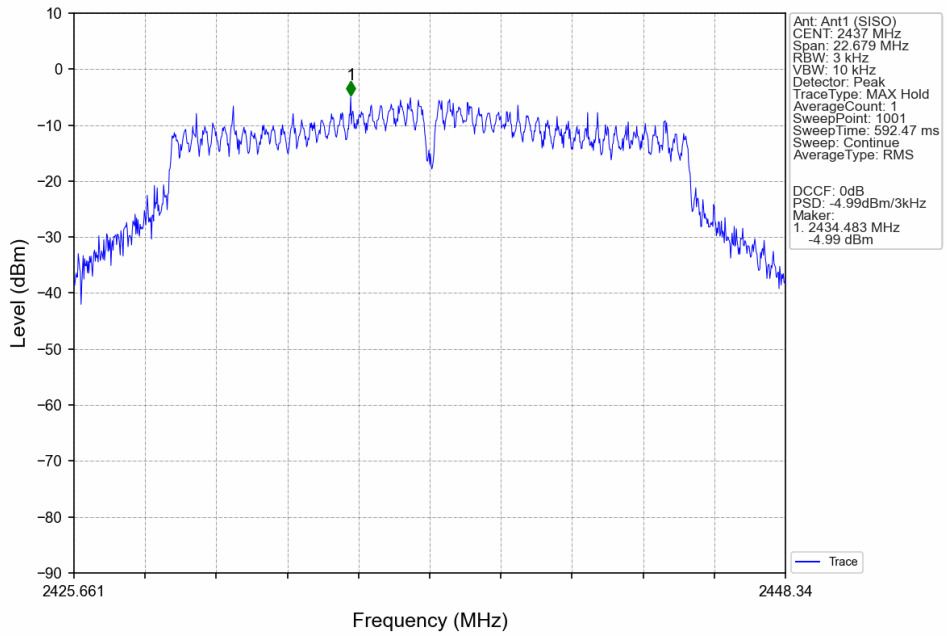
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



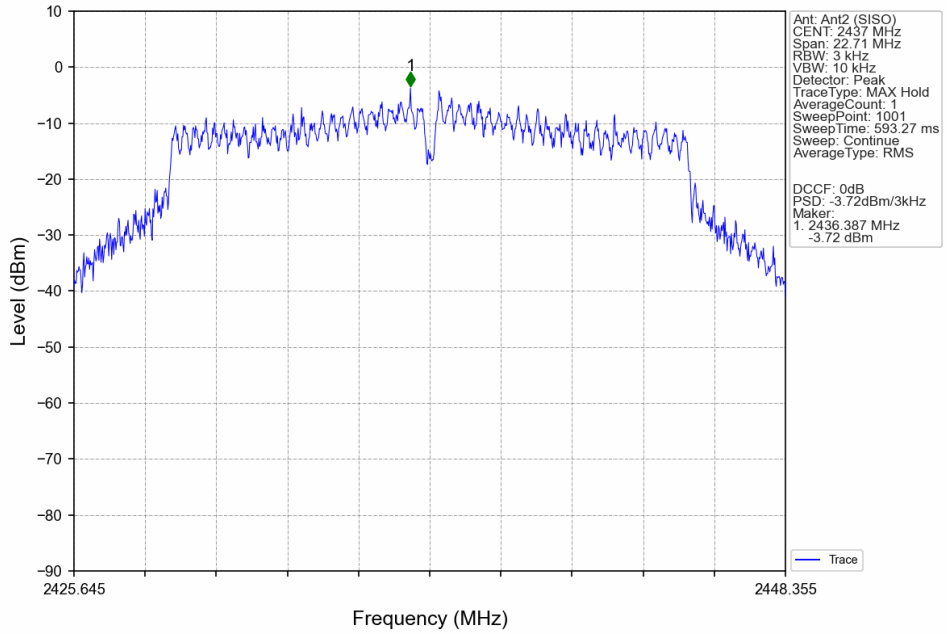
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



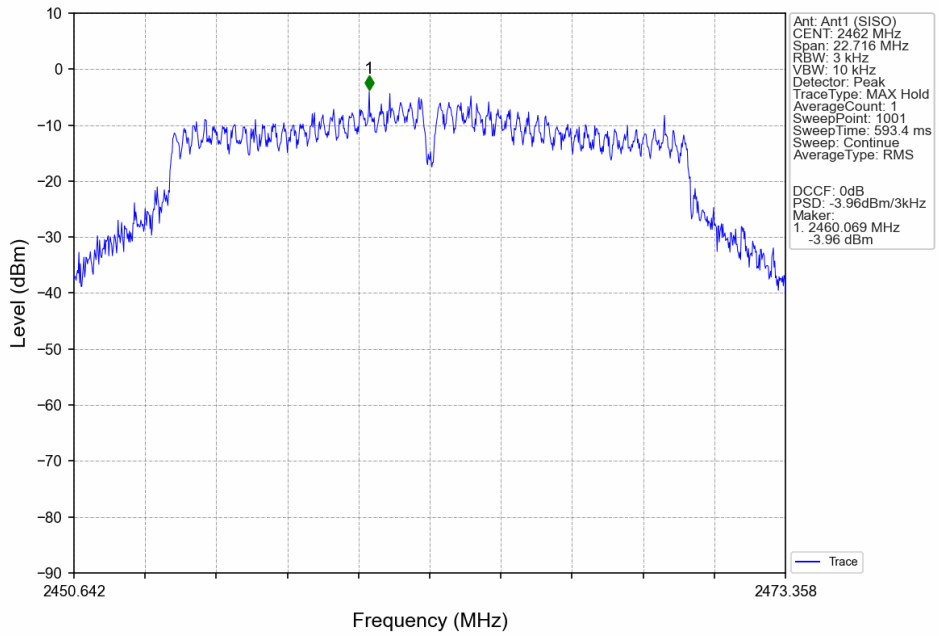
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



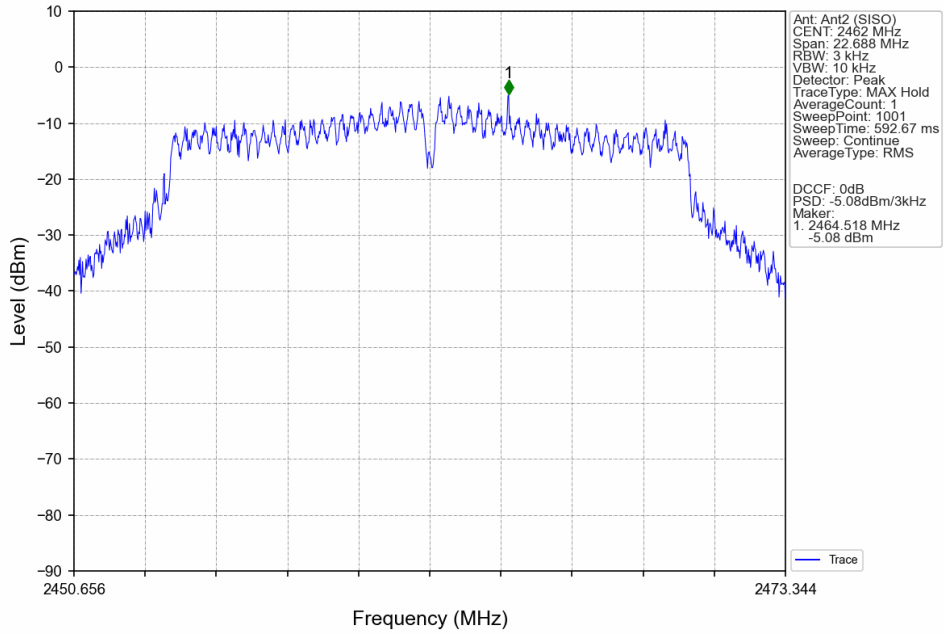
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



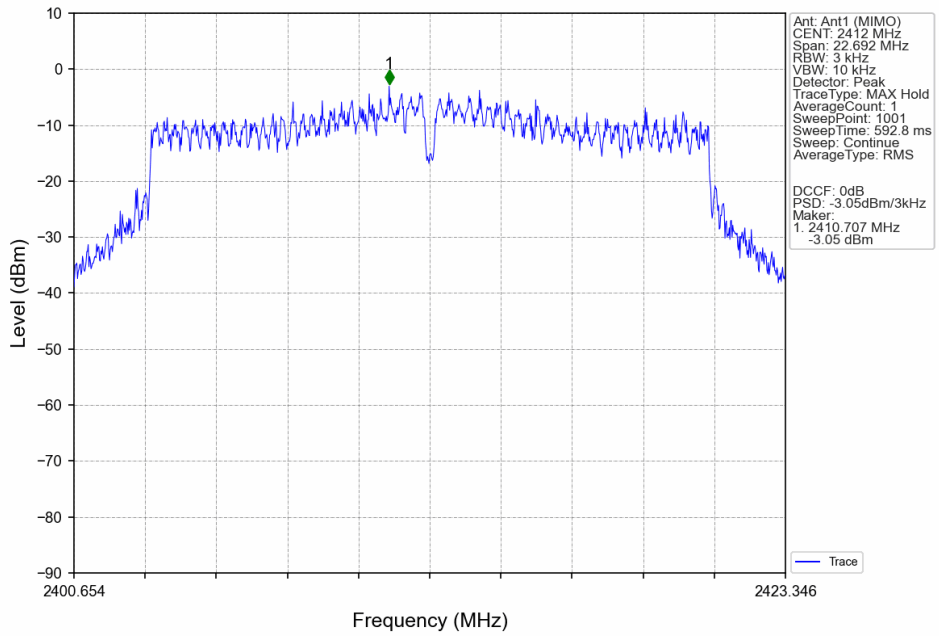
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



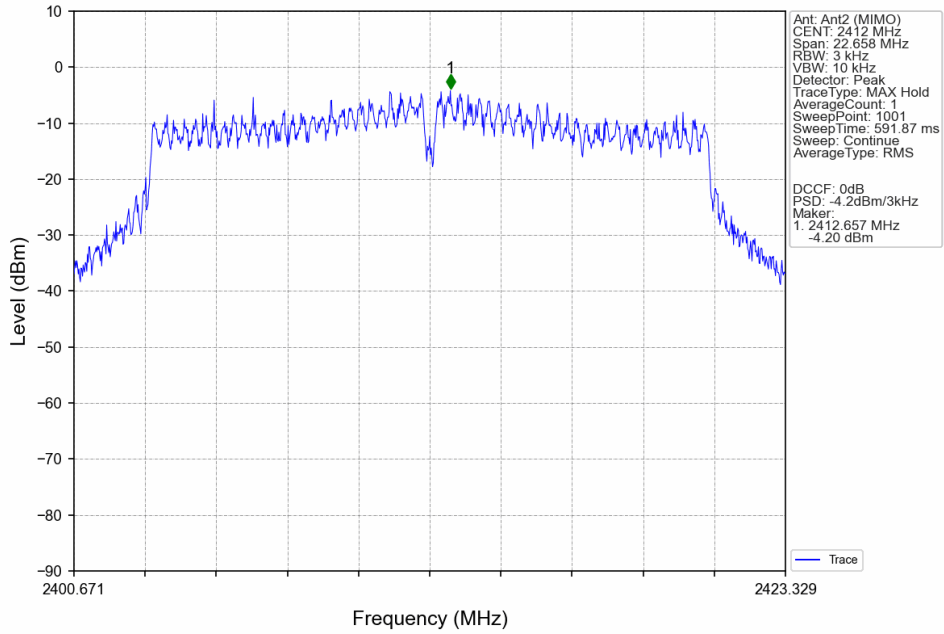
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



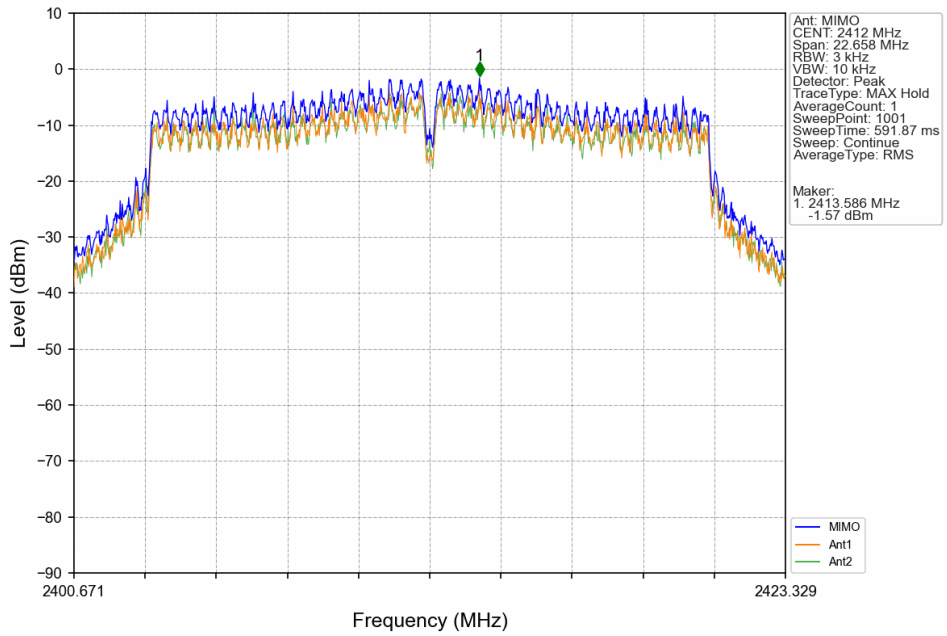
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



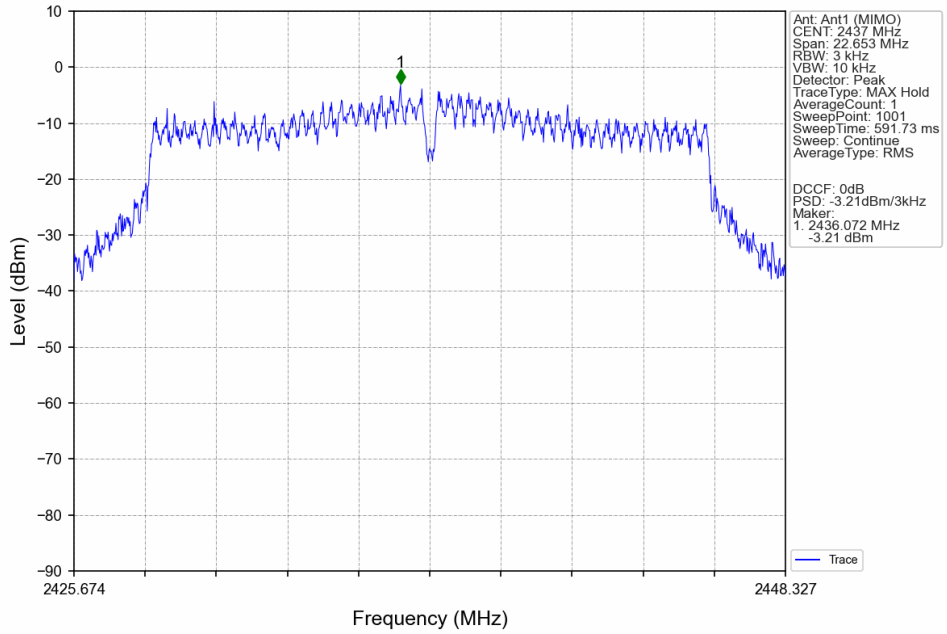
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



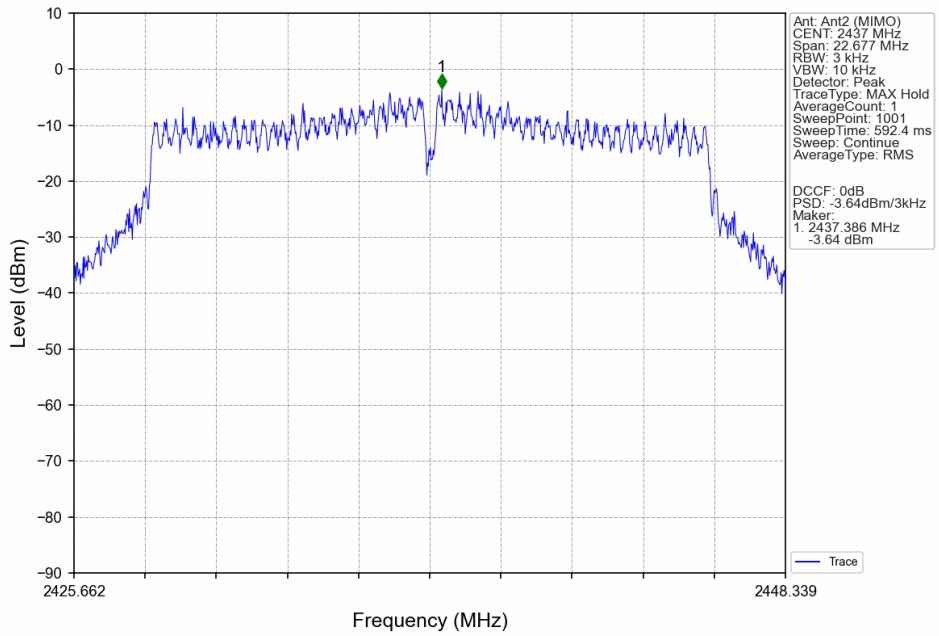
802.11n(HT20)_LCH_2412MHz_MIMO_NTNV



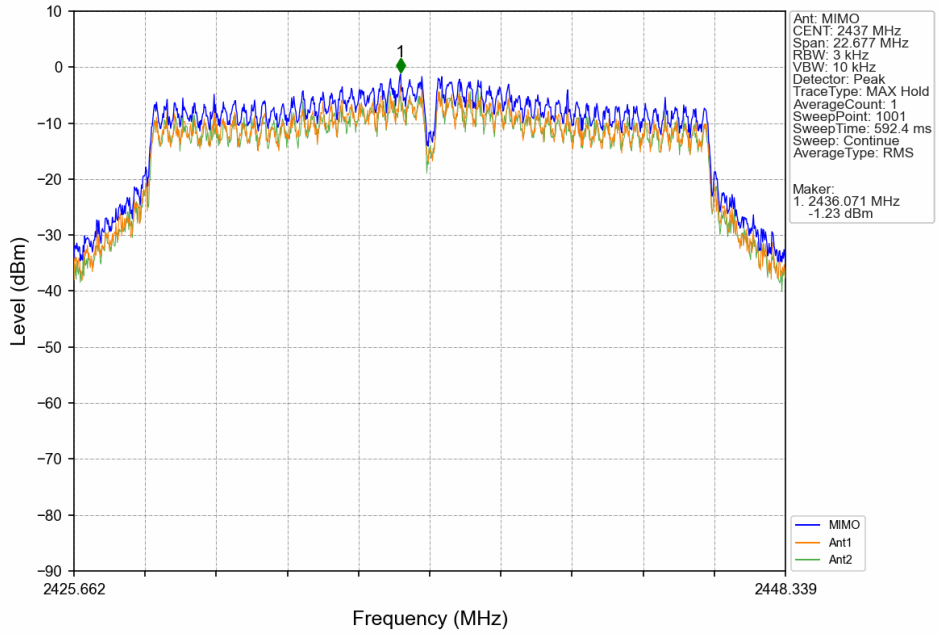
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



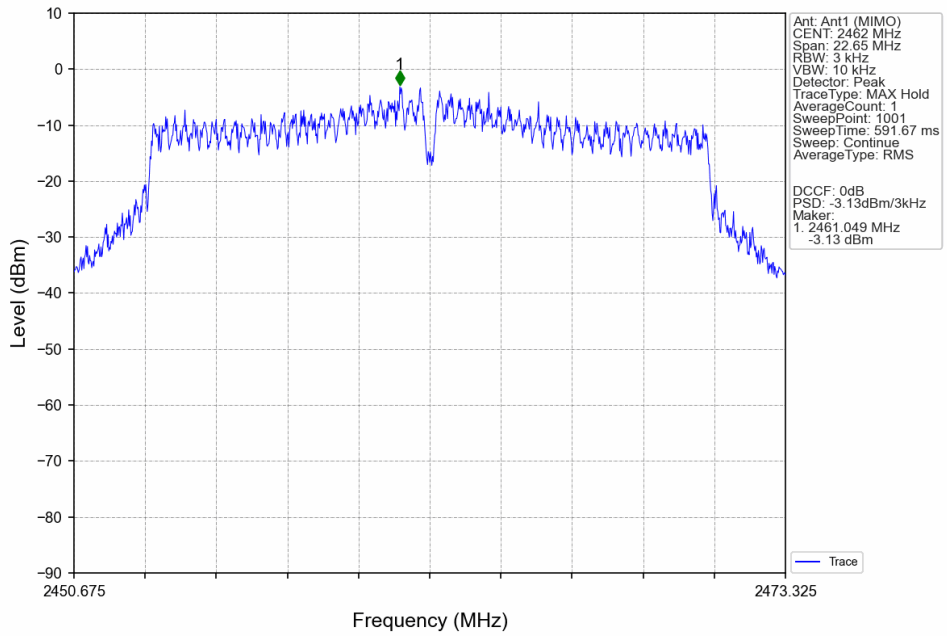
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



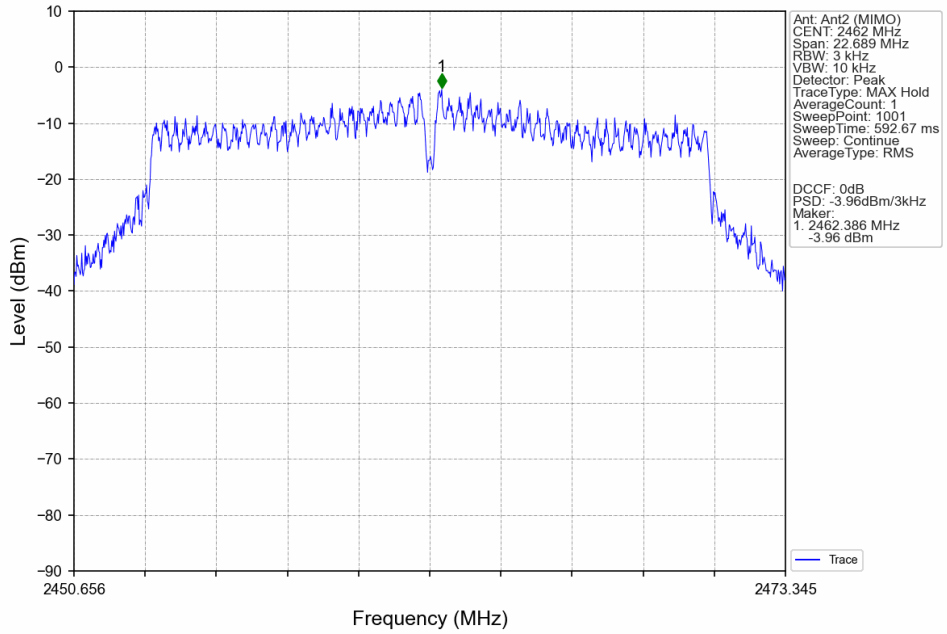
802.11n(HT20)_MCH_2437MHz_MIMO_NTNV



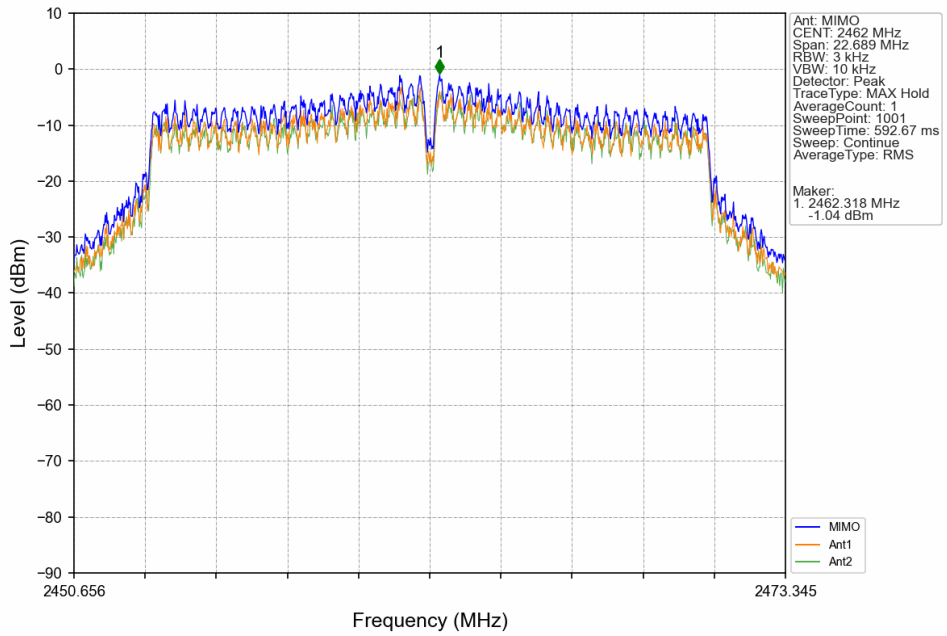
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



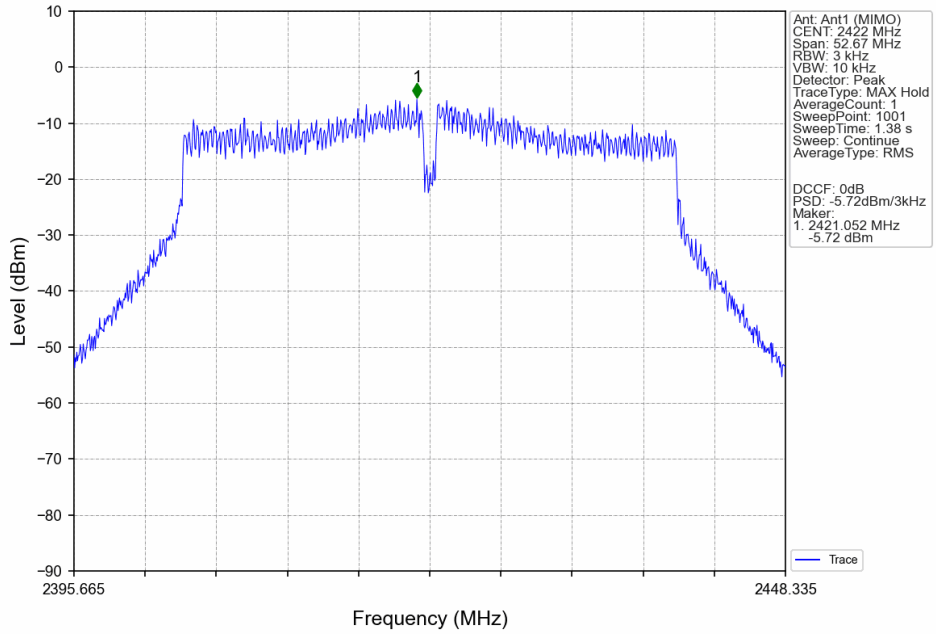
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



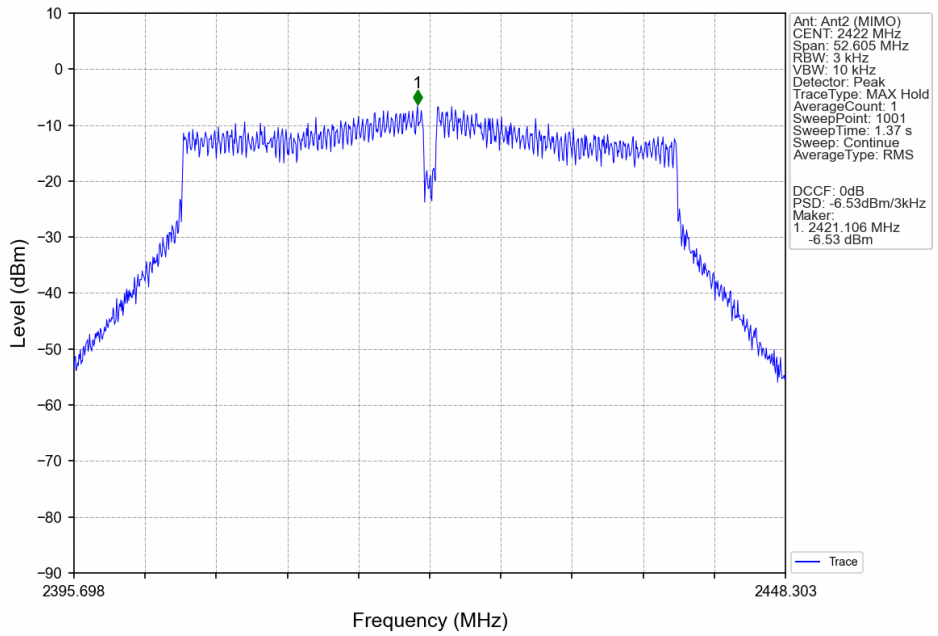
802.11n(HT20)_HCH_2462MHz_MIMO_NTNV



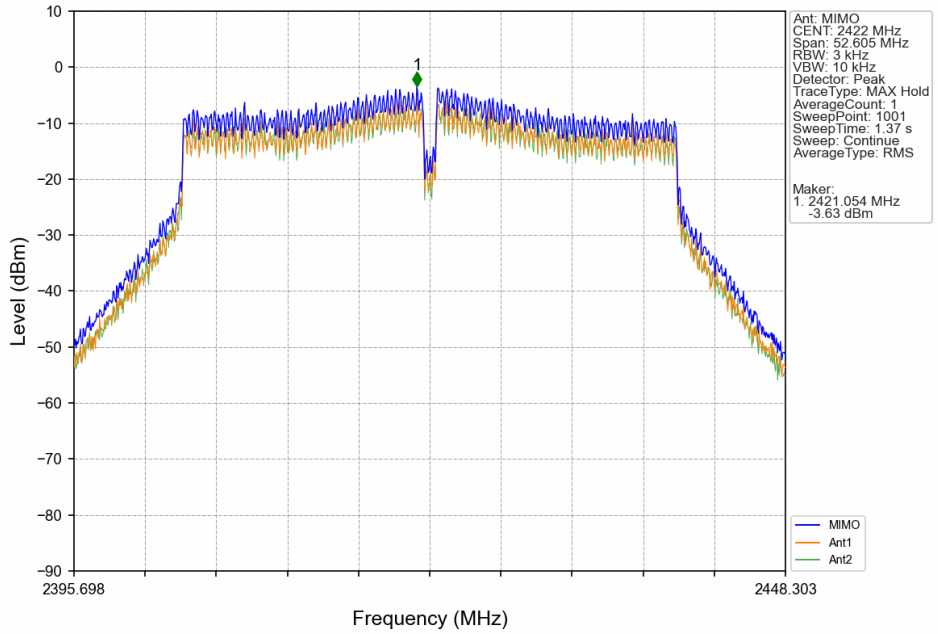
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



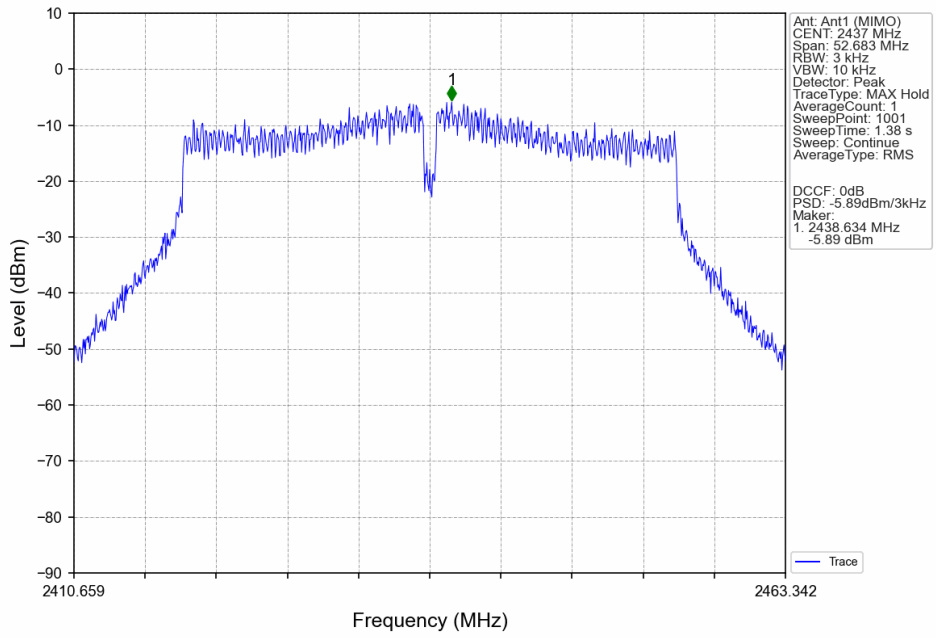
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



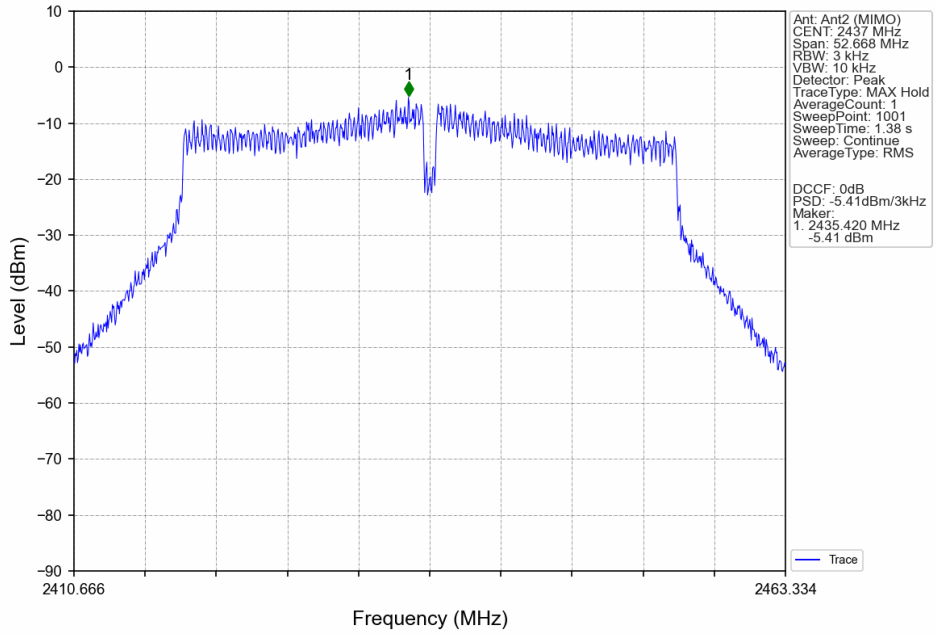
802.11n(HT40)_LCH_2422MHz_MIMO_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



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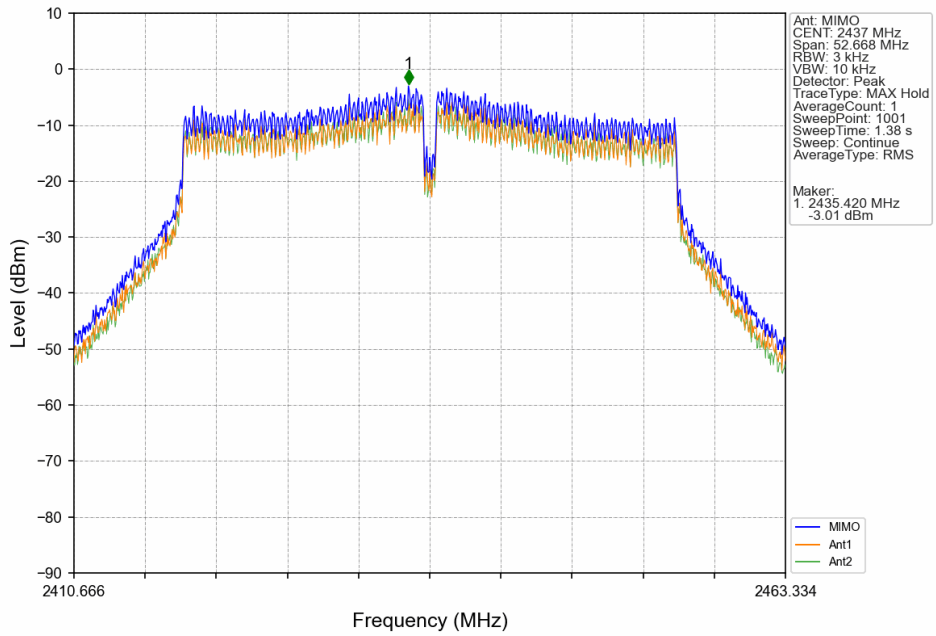

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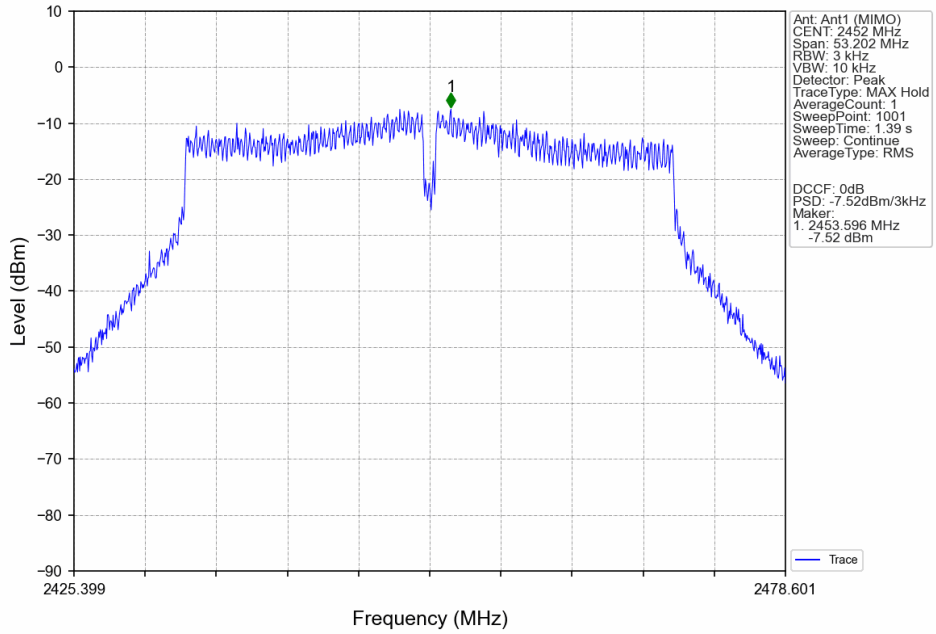

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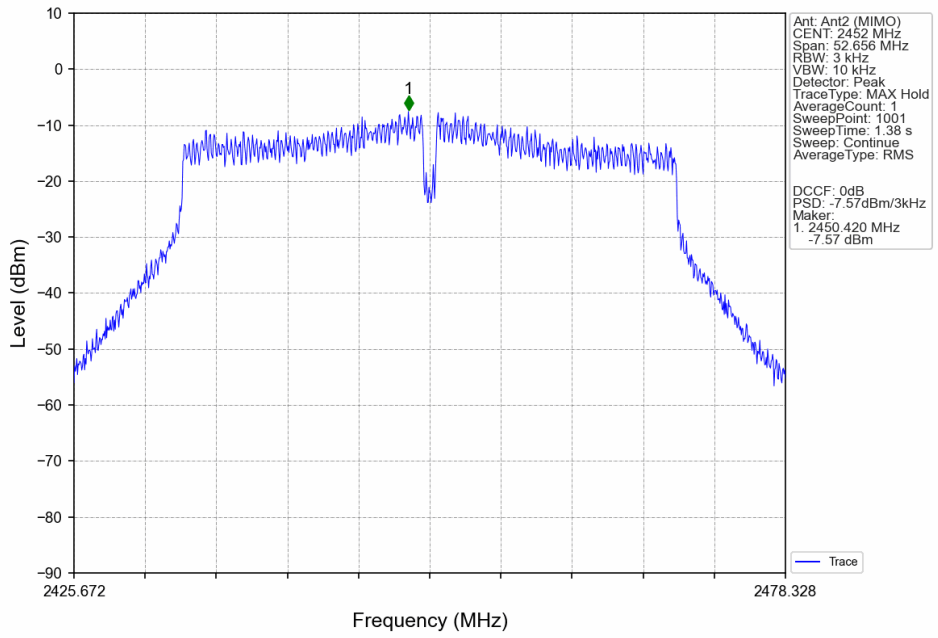

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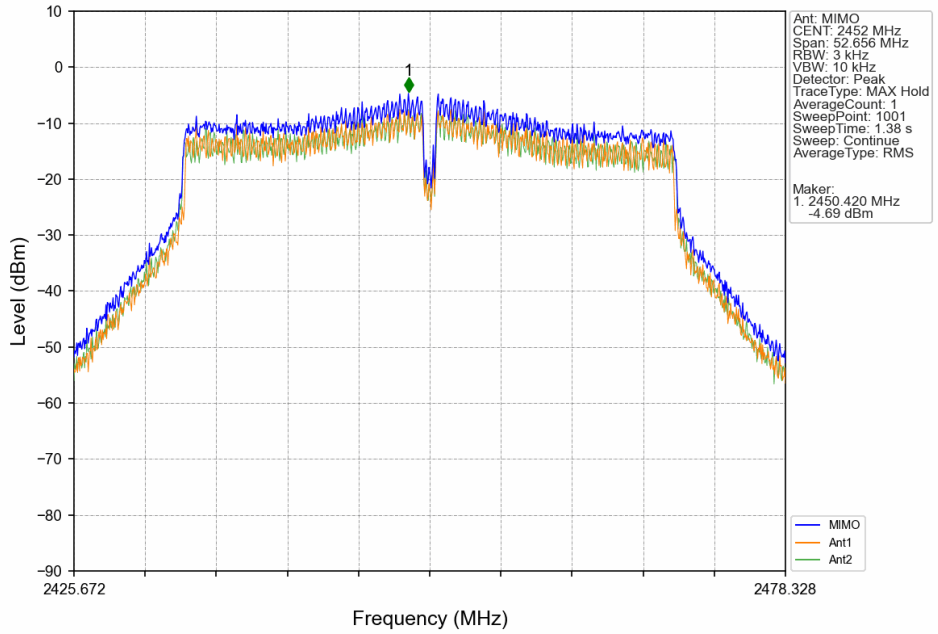

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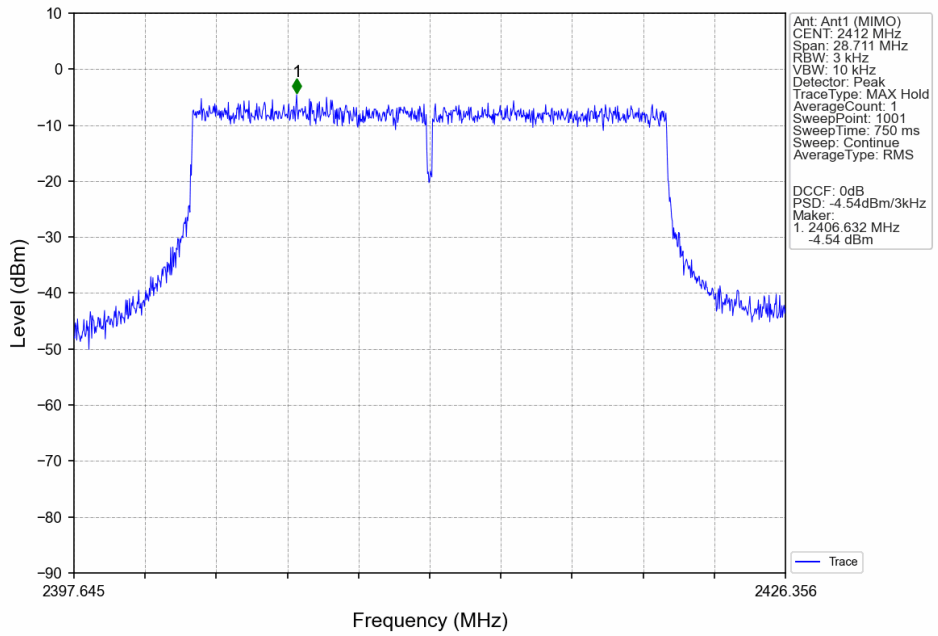

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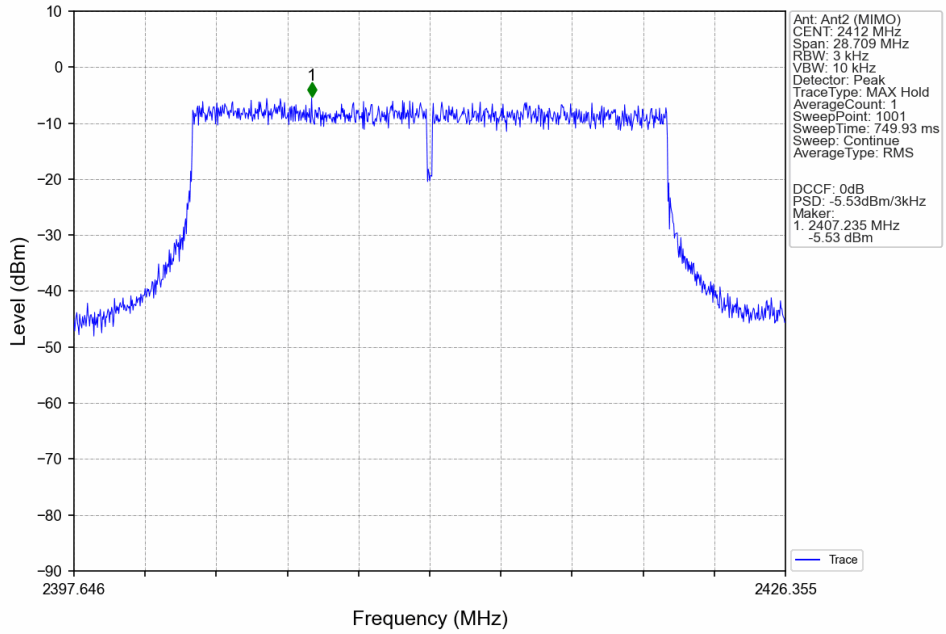

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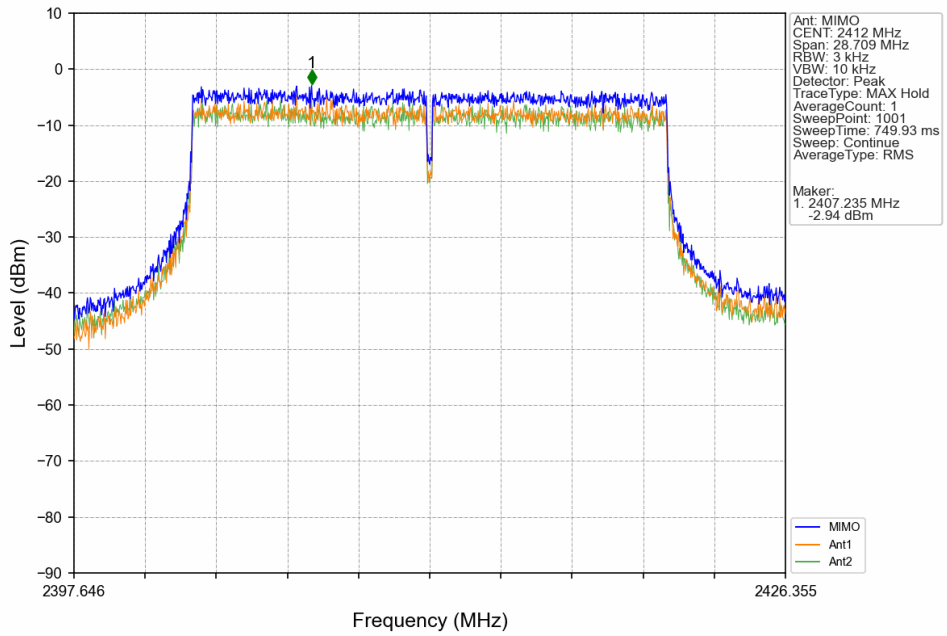
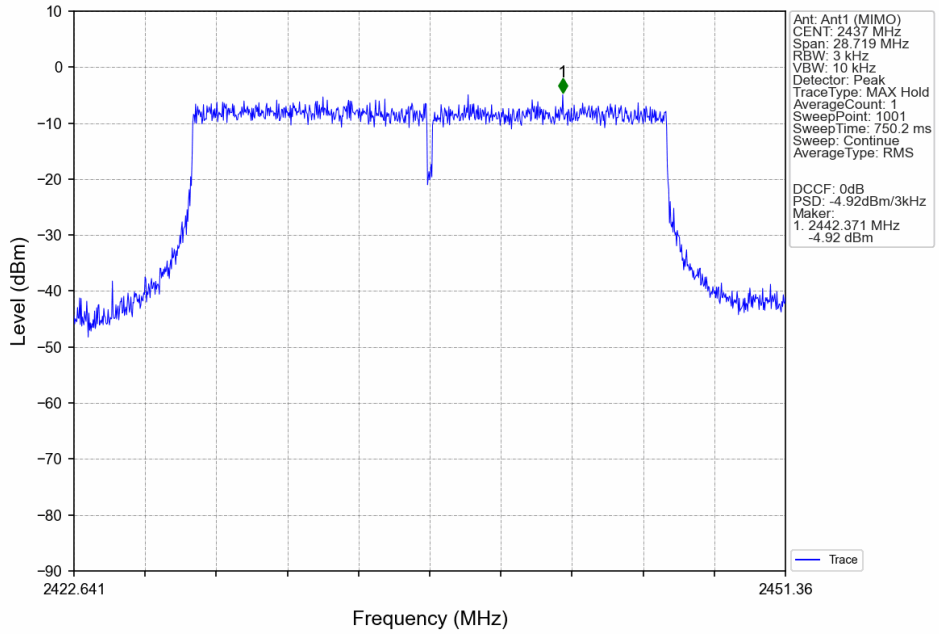
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