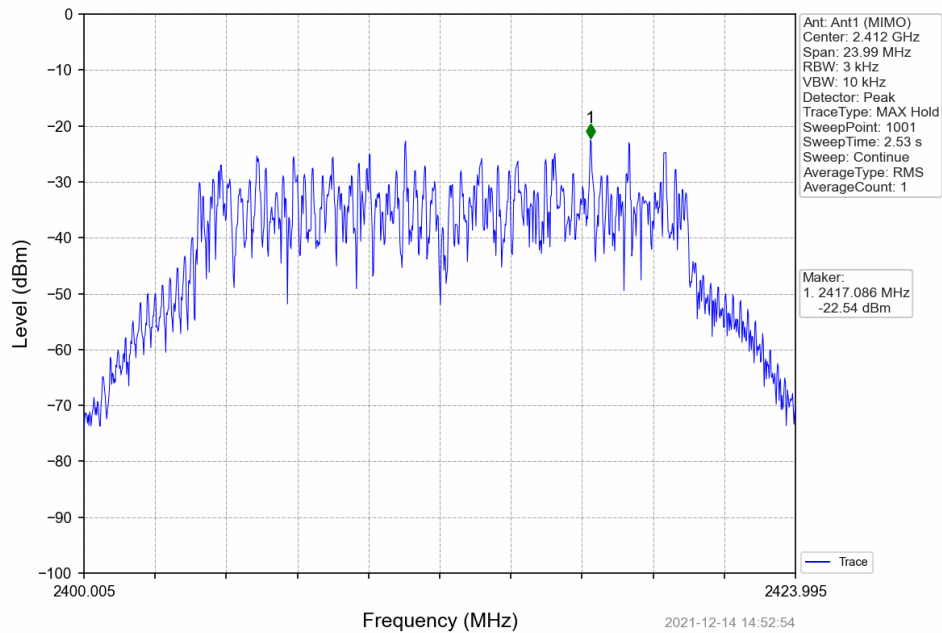
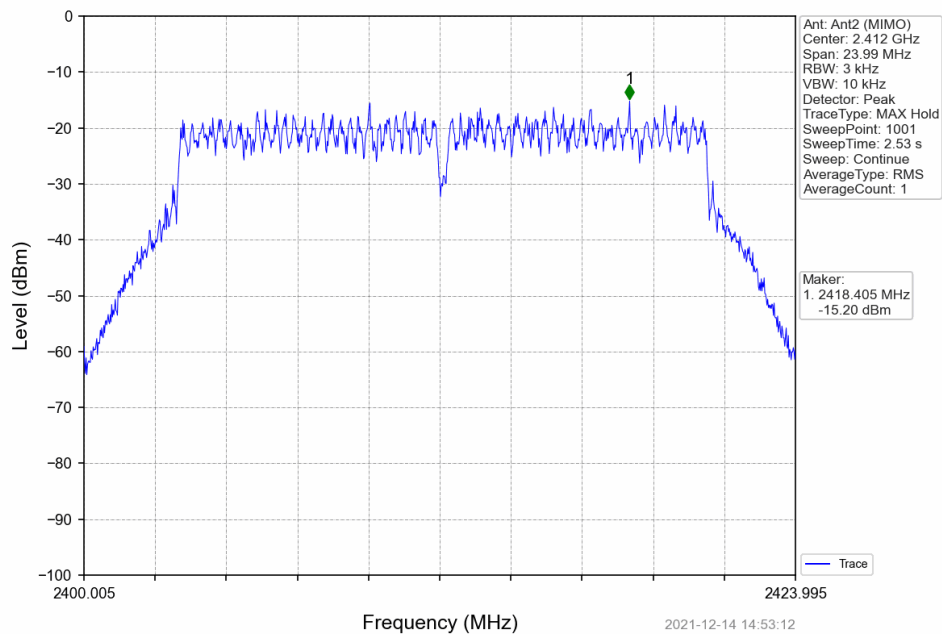


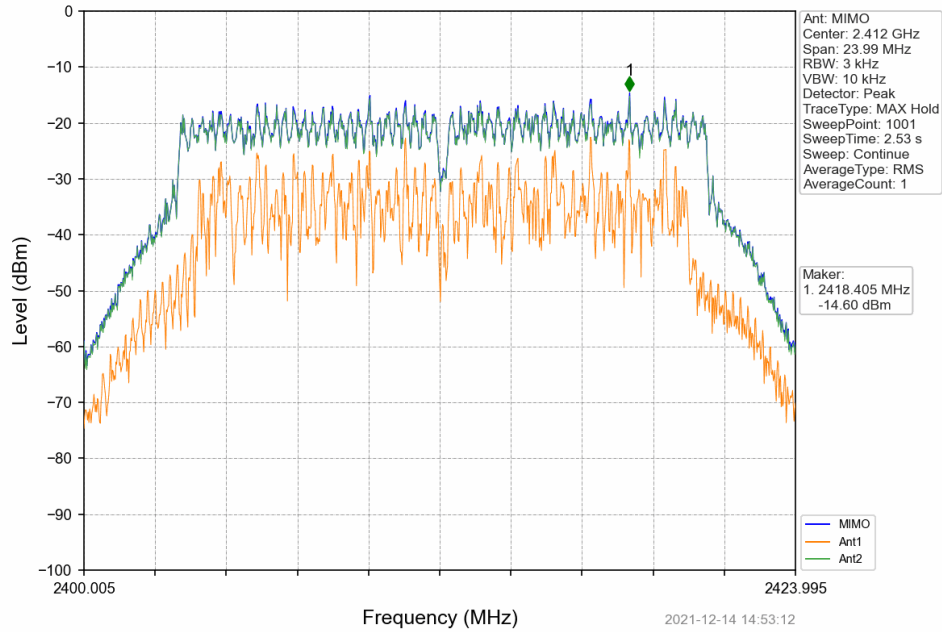
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



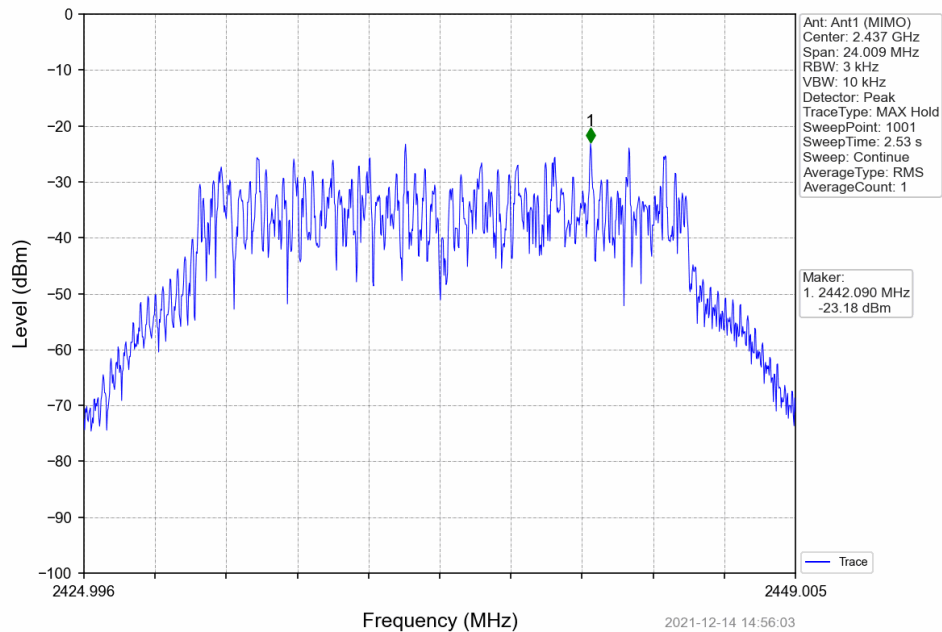
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_MIMO_NTNV

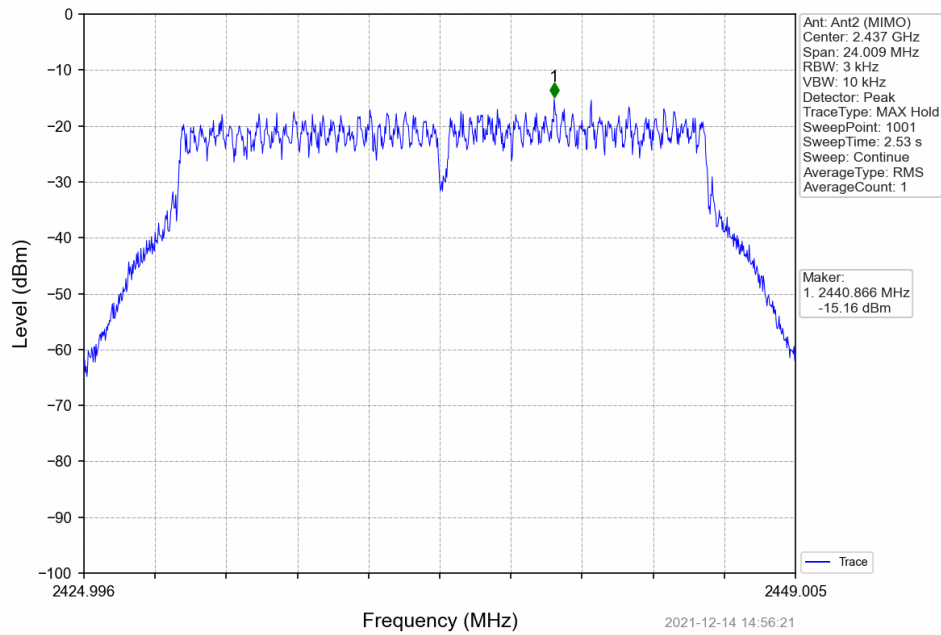


802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV

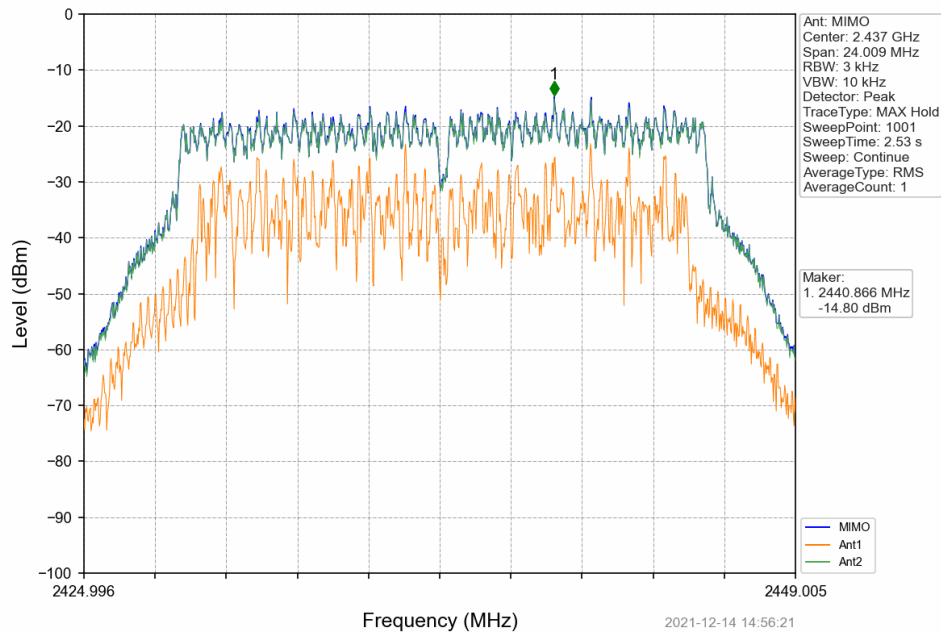


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802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV

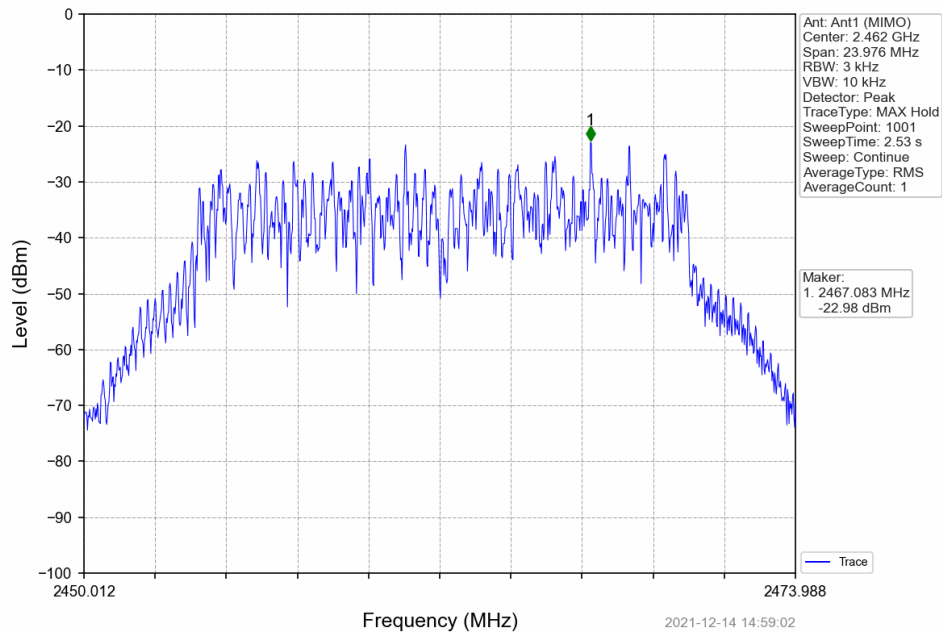


802.11n(HT20)_MCH_2437MHz_MIMO_NTNV

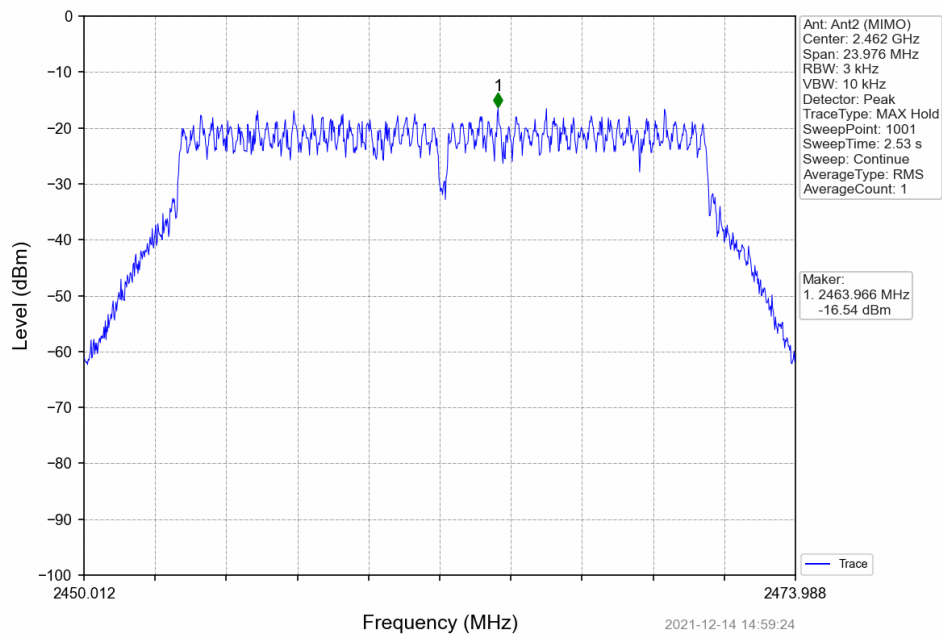


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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV

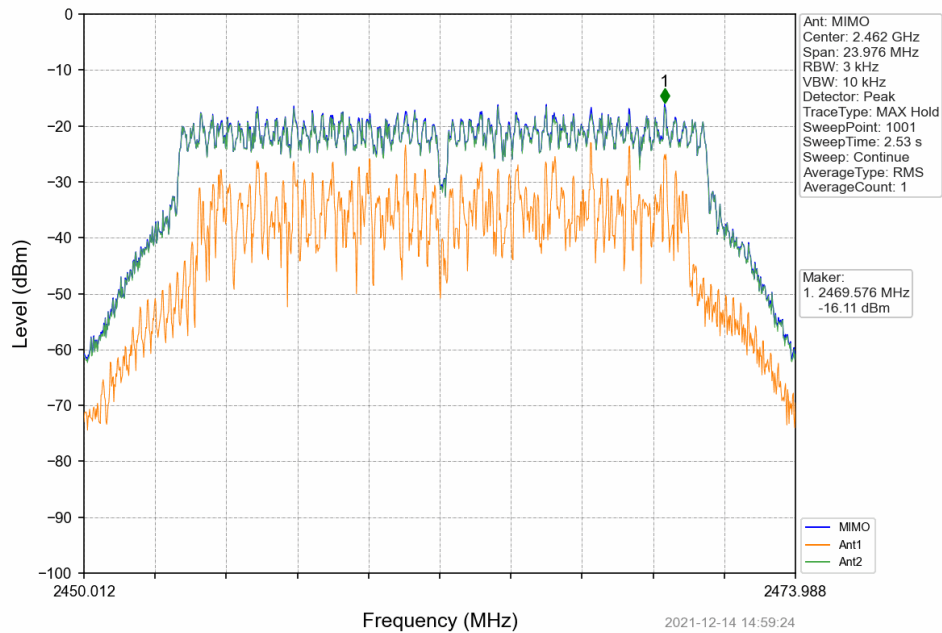


802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



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802.11n(HT20)_HCH_2462MHz_MIMO_NTNV



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4. Unwanted Emissions In Non-restricted Frequency Bands

4.1 Ref

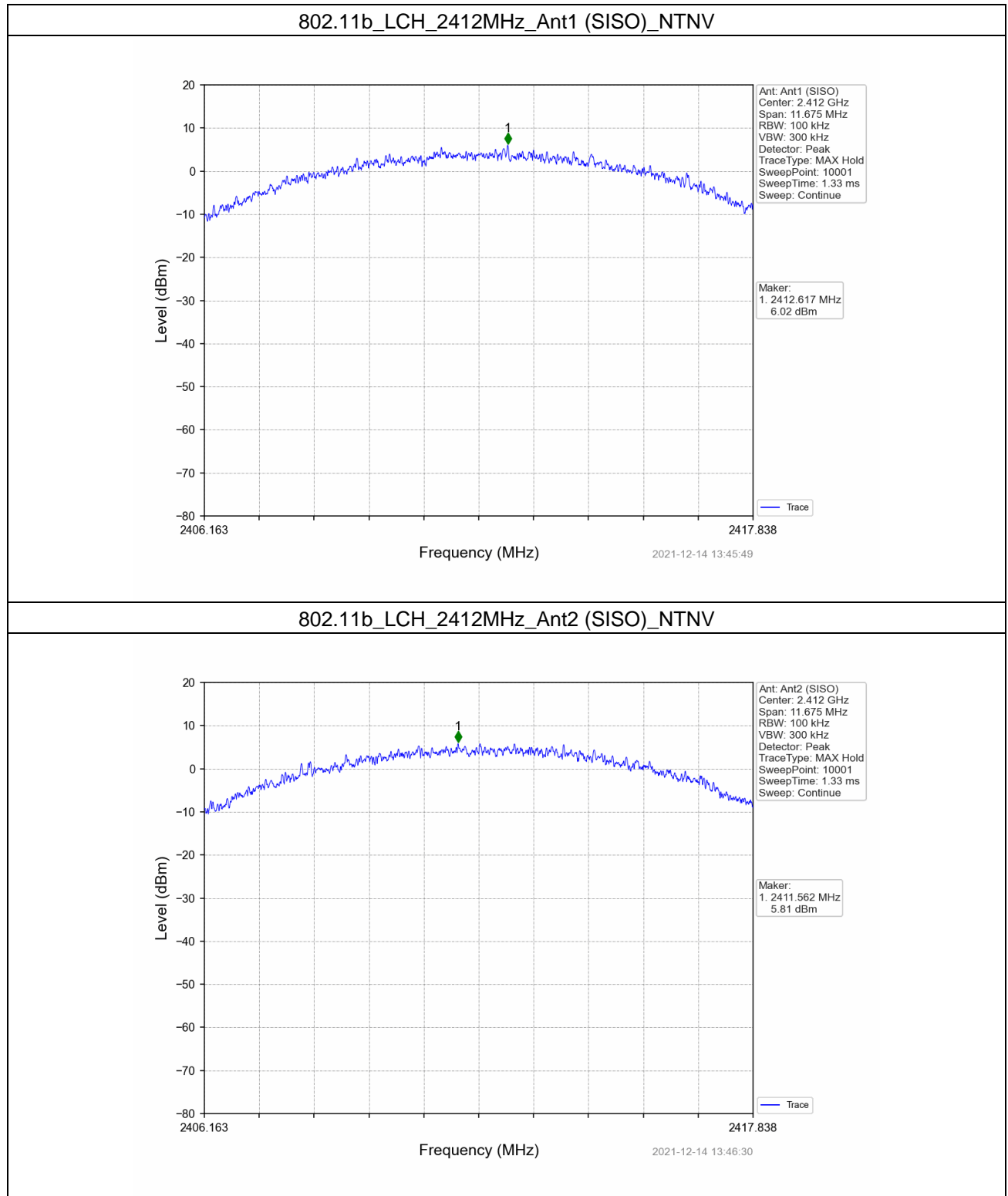
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
802.11b	SISO	2412	1	6.02
			2	5.81
		2437	1	4.65
			2	5.78
		2462	1	5.85
			2	6.08
802.11g	SISO	2412	1	0.20
			2	0.25
		2437	1	-0.64
			2	-0.12
		2462	1	-0.25
			2	-0.48
802.11n (HT20)	SISO	2412	1	-1.01
			2	-0.69
		2437	1	-1.70
			2	-1.25
		2462	1	-1.45
			2	-1.61

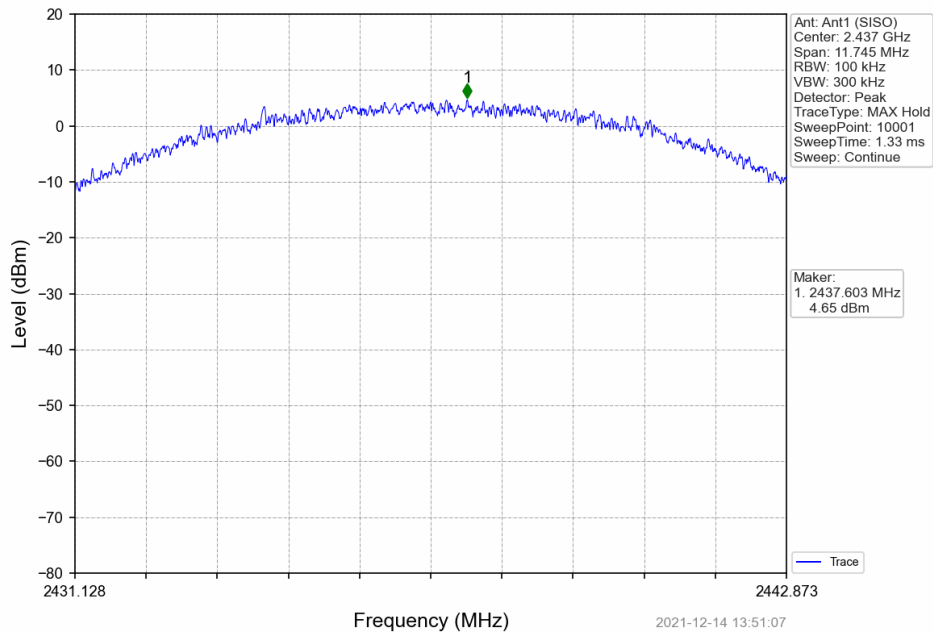
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

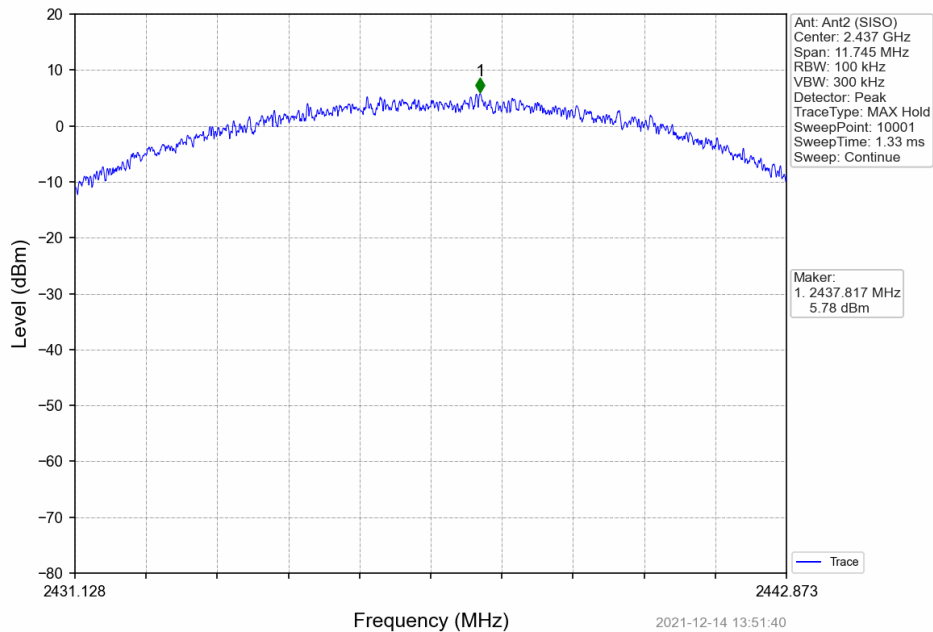
4.1.2 Test Graph



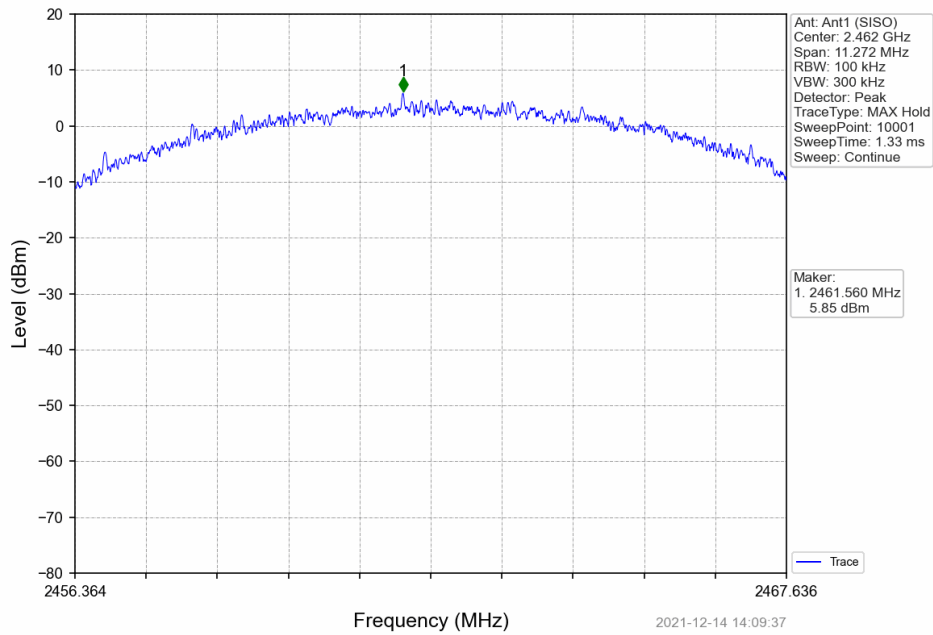
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



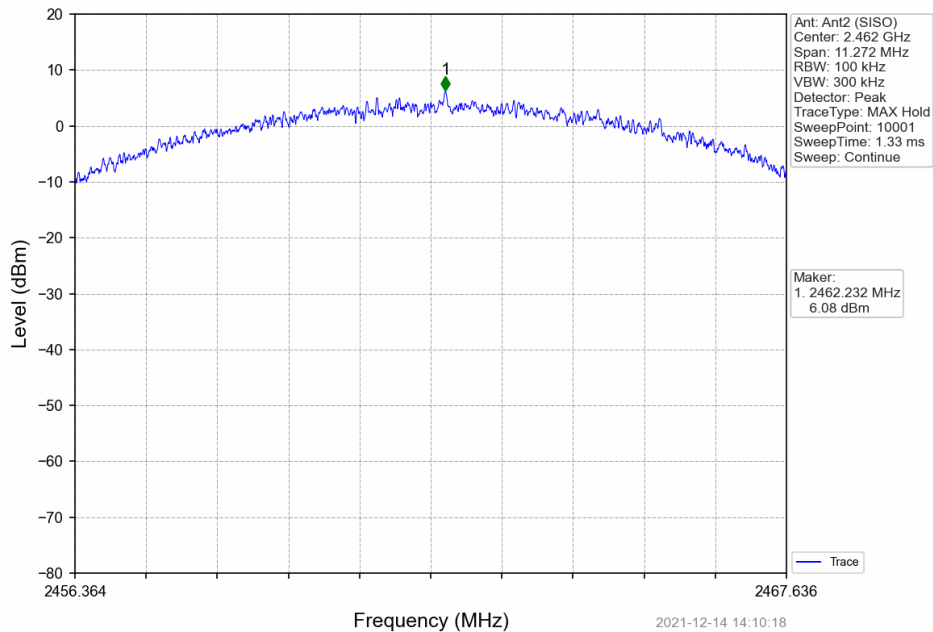
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



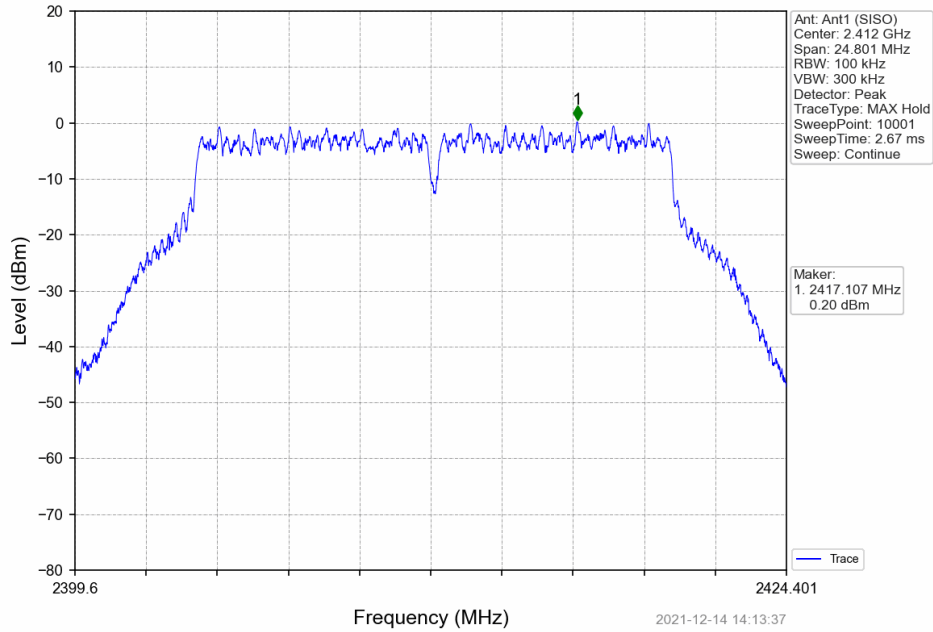
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



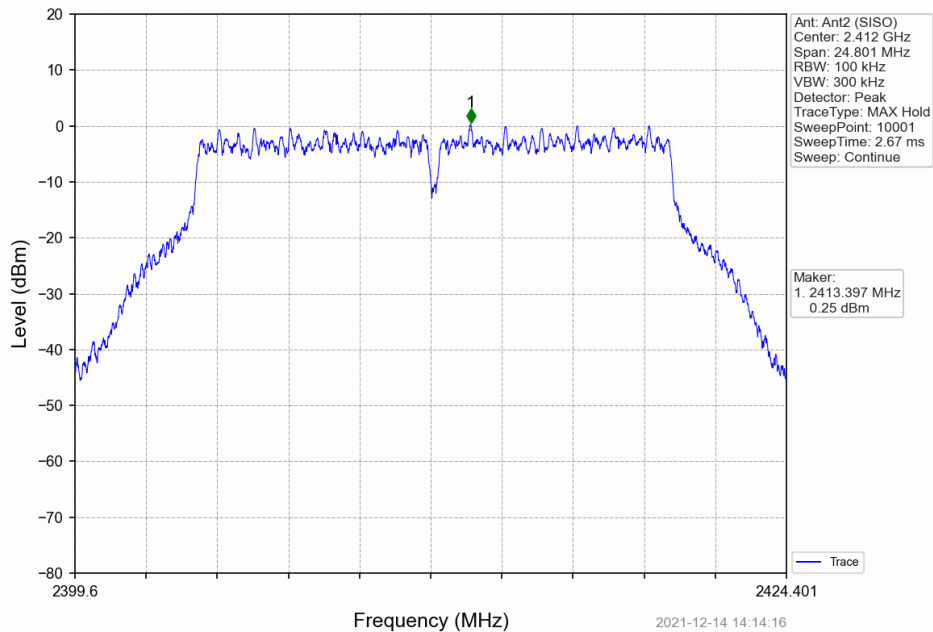
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



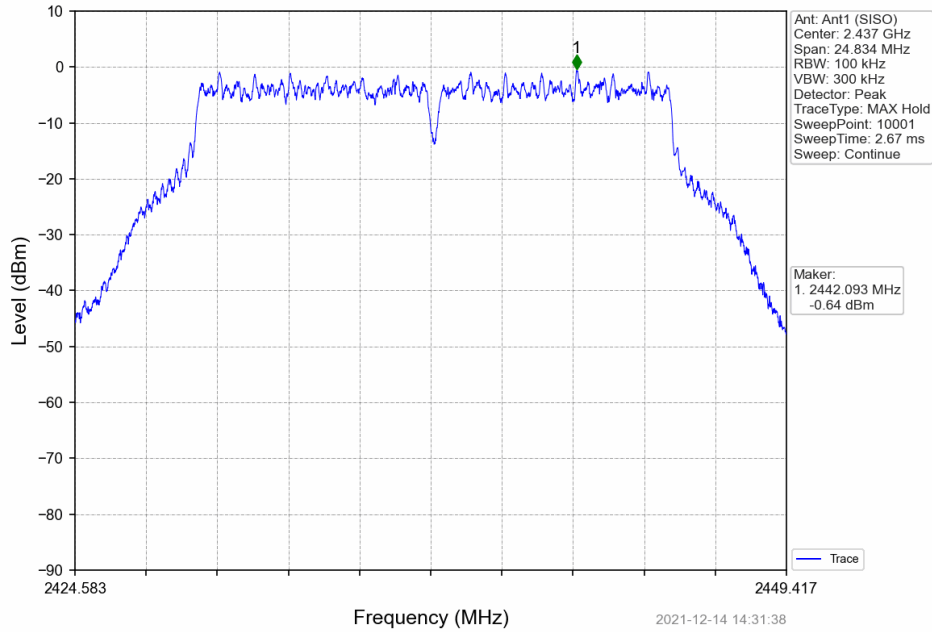
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



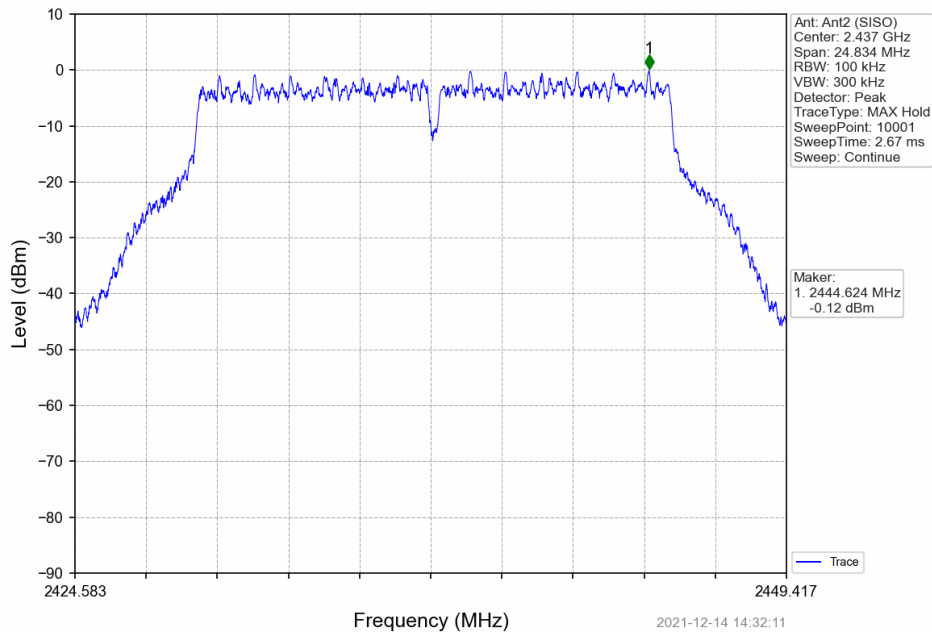
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



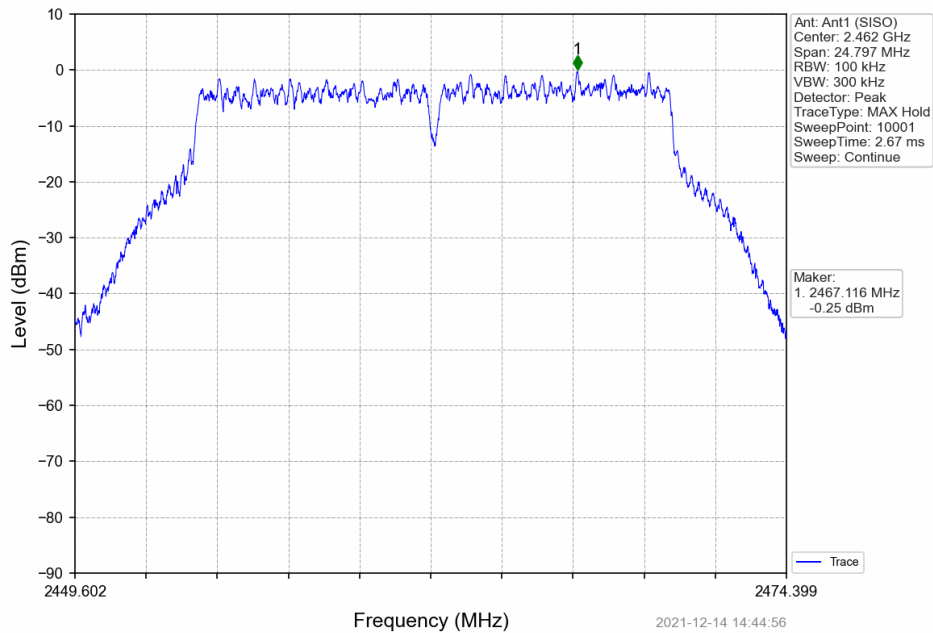
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



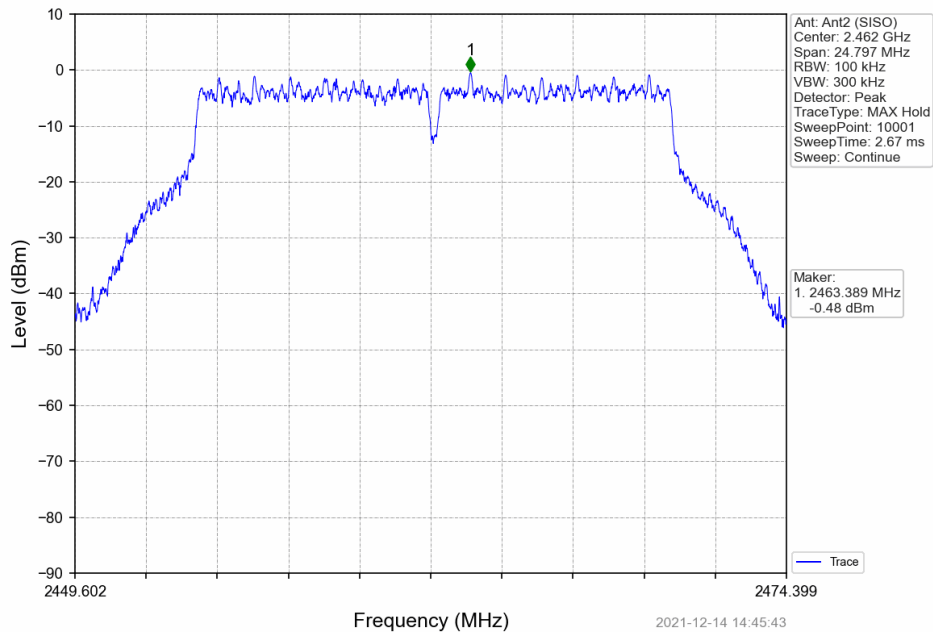
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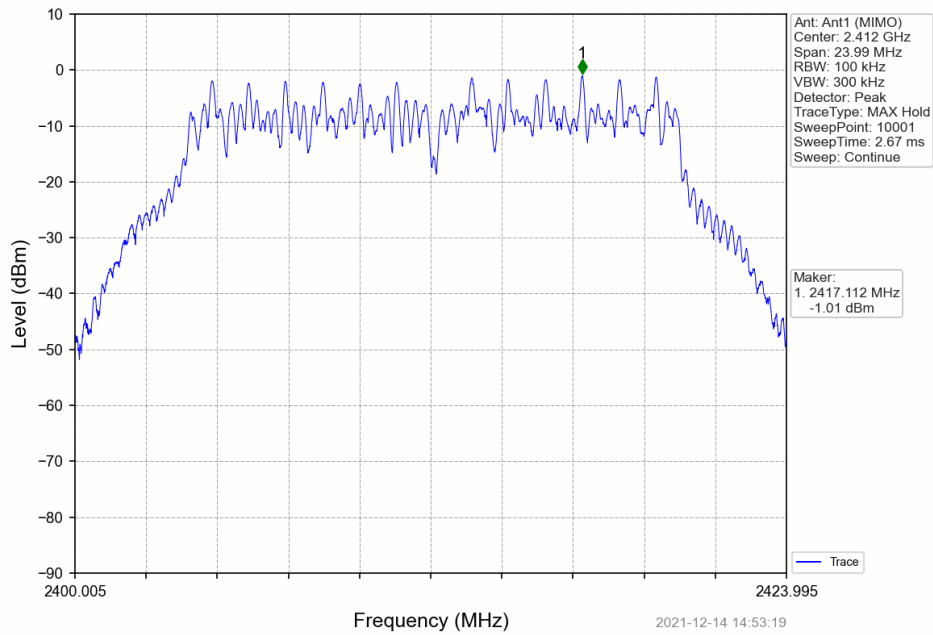
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



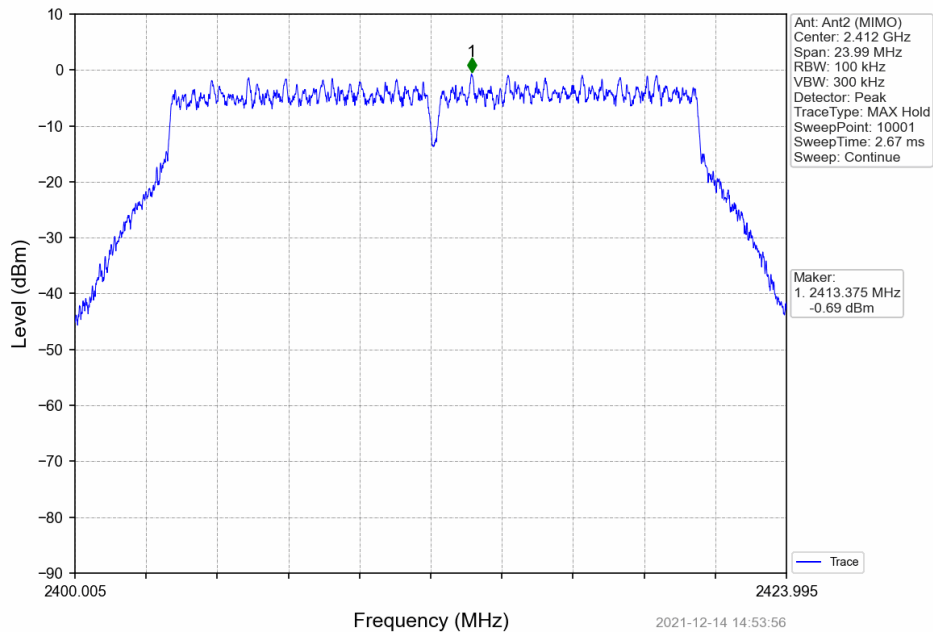
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



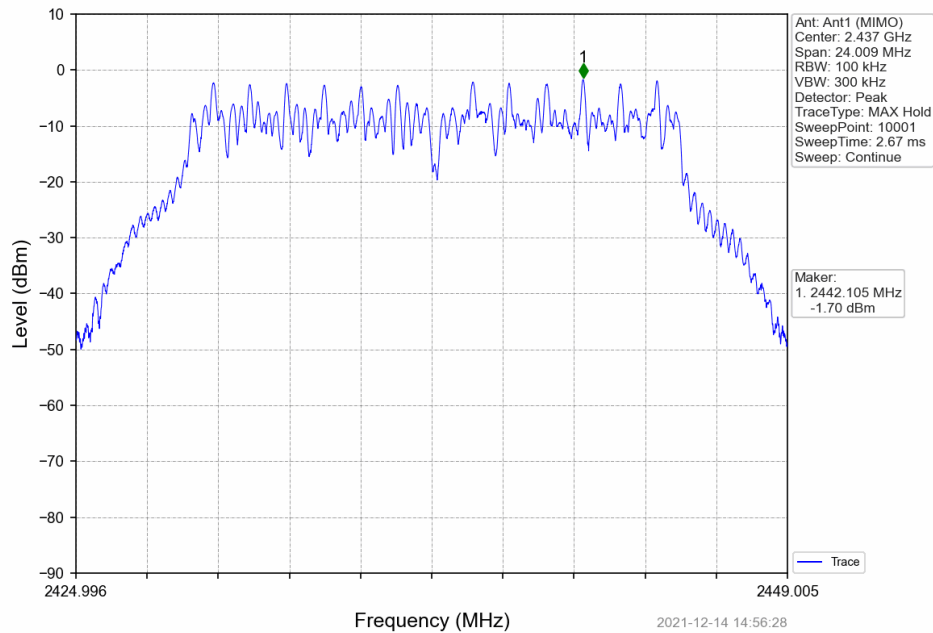
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



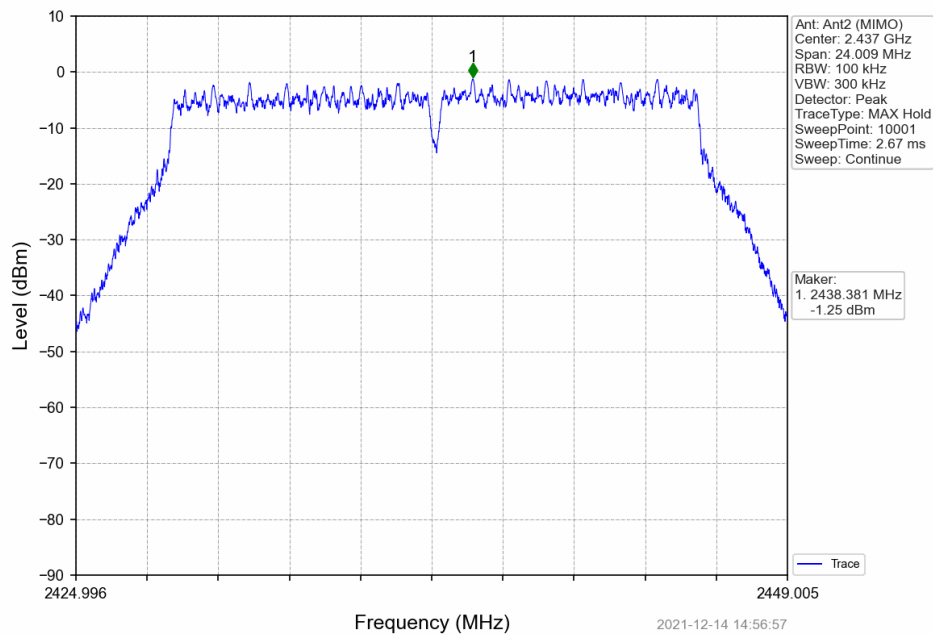
802.11n(HT20)_LCH_2412MHz_Ant2 (SISO)_NTNV



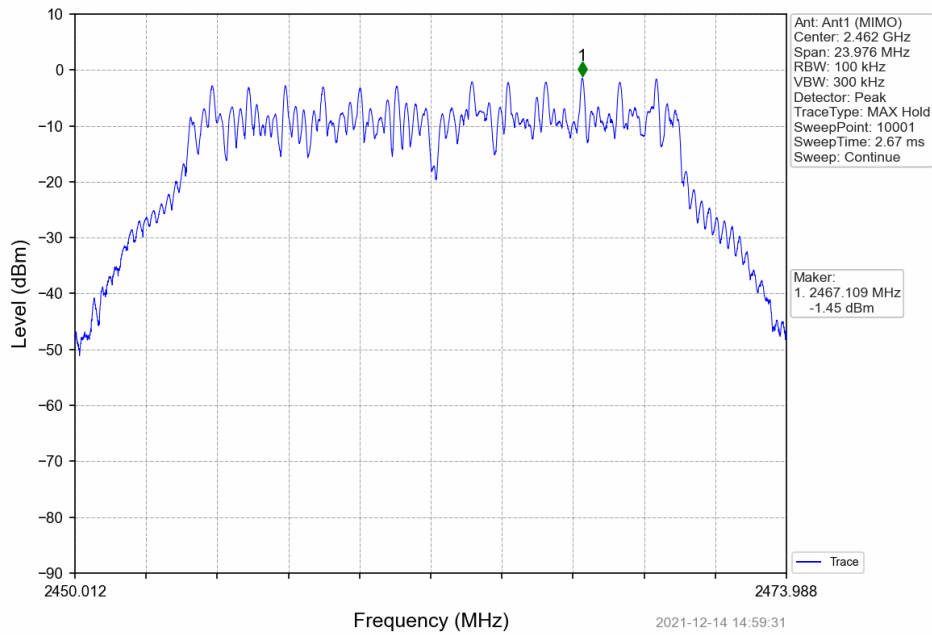
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



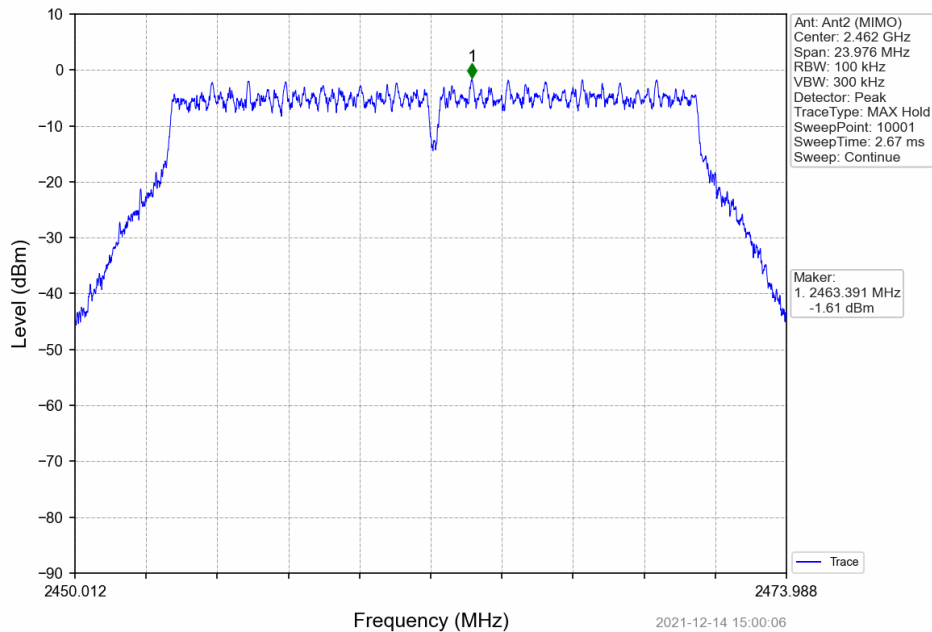
802.11n(HT20)_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



4.2 CSE

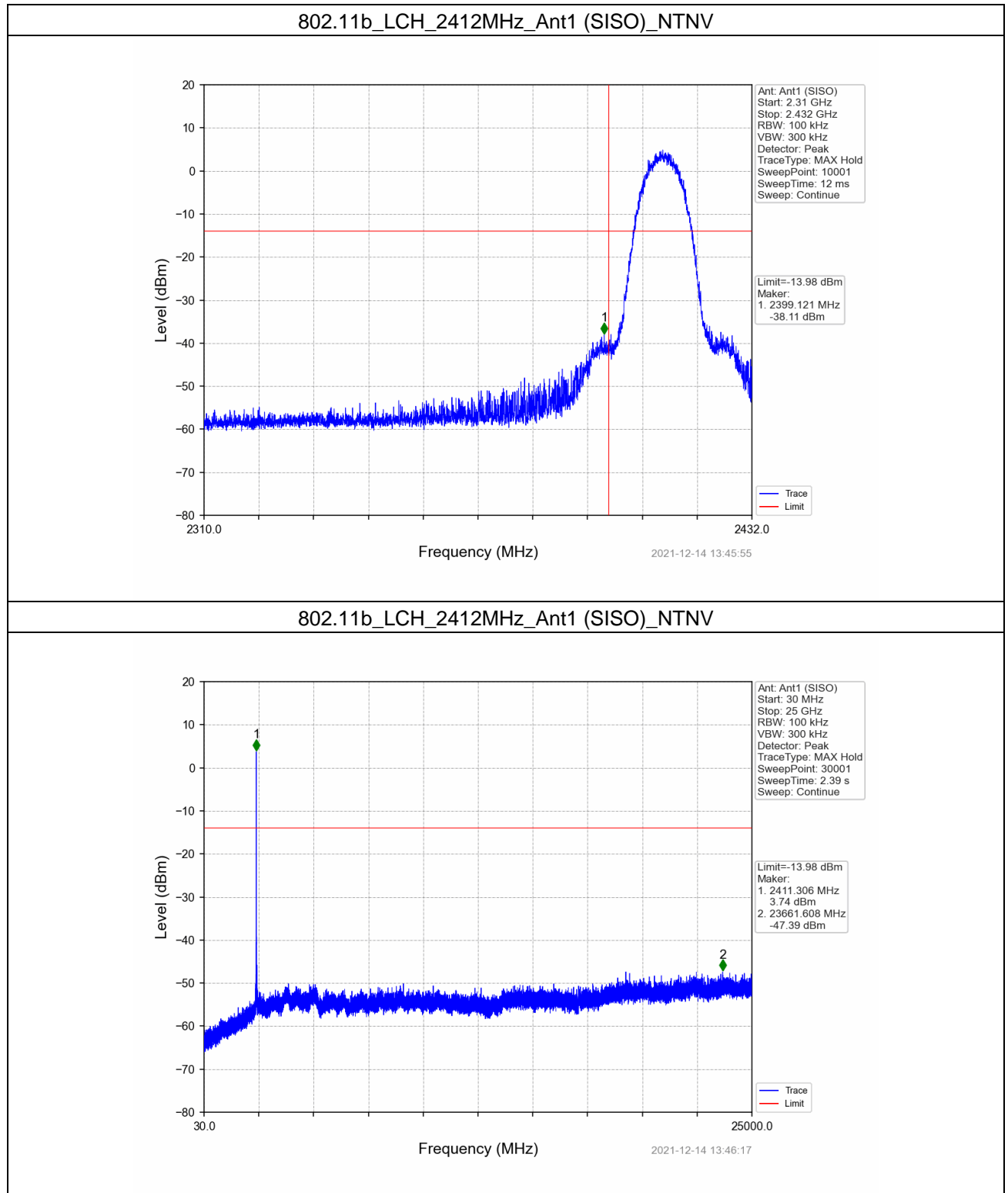
4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	6.02	-13.98	Pass
			2	6.08	-13.92	Pass
		2437	1	6.02	-13.98	Pass
			2	6.08	-13.92	Pass
		2462	1	6.02	-13.98	Pass
			2	6.08	-13.92	Pass
802.11g	SISO	2412	1	0.20	-19.80	Pass
			2	0.25	-19.75	Pass
		2437	1	0.20	-19.80	Pass
			2	0.25	-19.75	Pass
		2462	1	0.20	-19.80	Pass
			2	0.25	-19.75	Pass
802.11n (HT20)	SISO	2412	1	-1.01	-21.01	Pass
			2	-0.69	-20.69	Pass
		2437	1	-1.01	-21.01	Pass
			2	-0.69	-20.69	Pass
		2462	1	-1.01	-21.01	Pass
			2	-0.69	-20.69	Pass

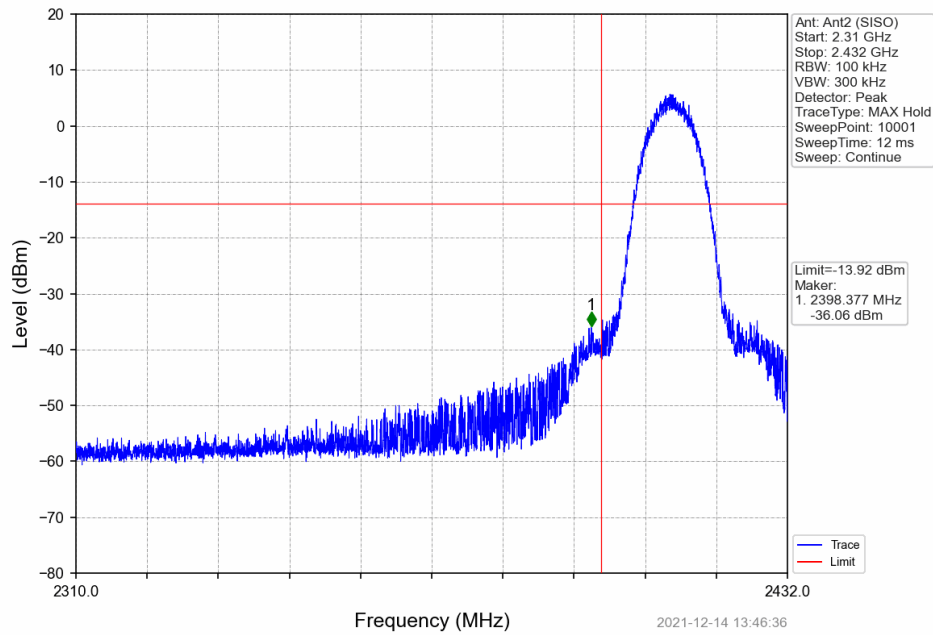
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

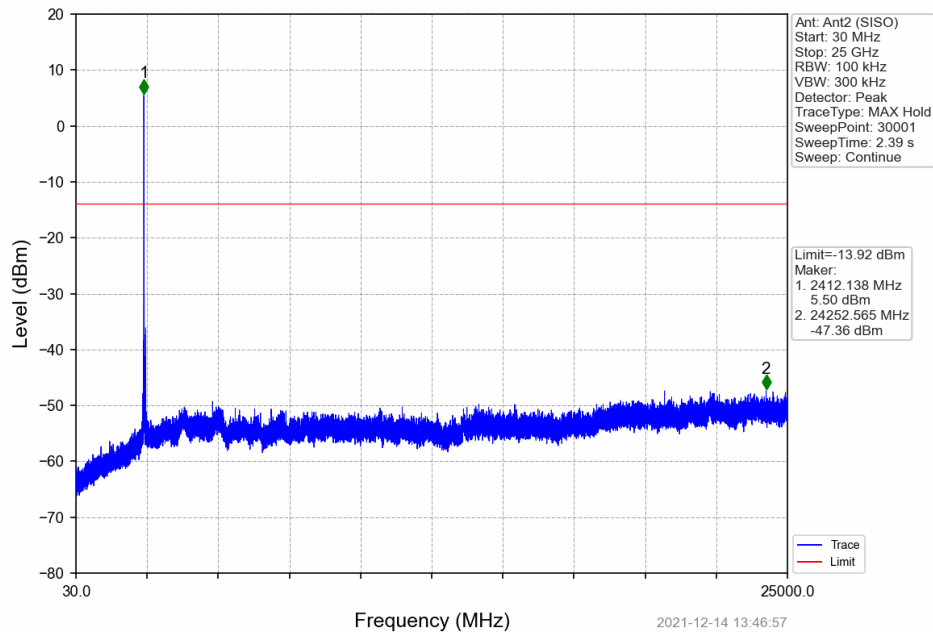
4.2.2 Test Graph



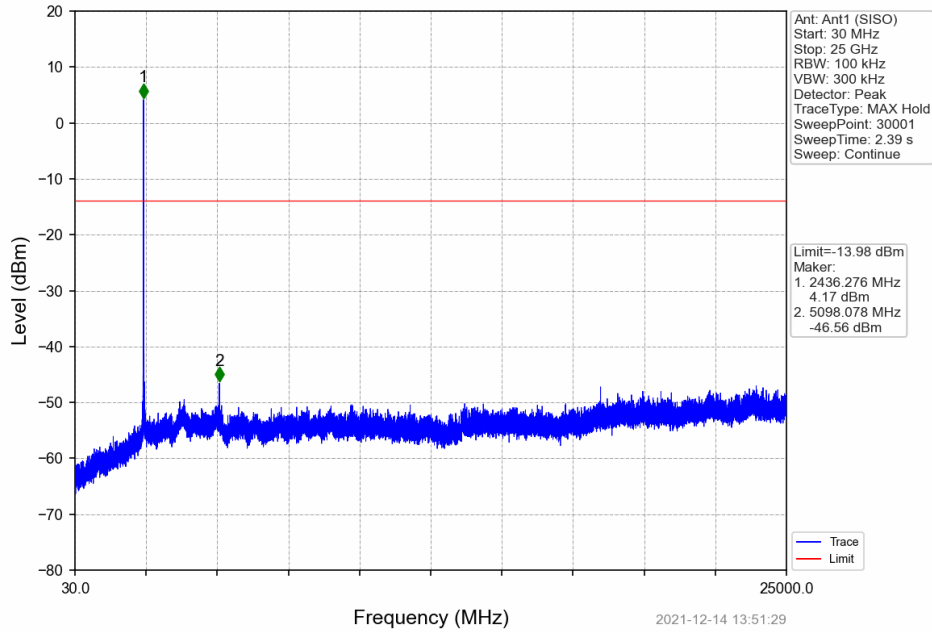
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



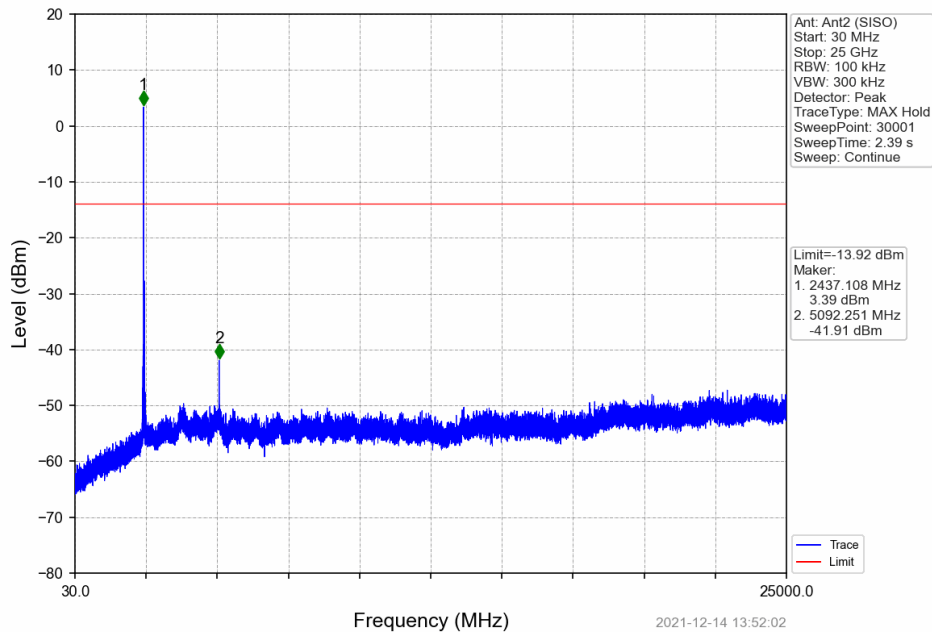
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



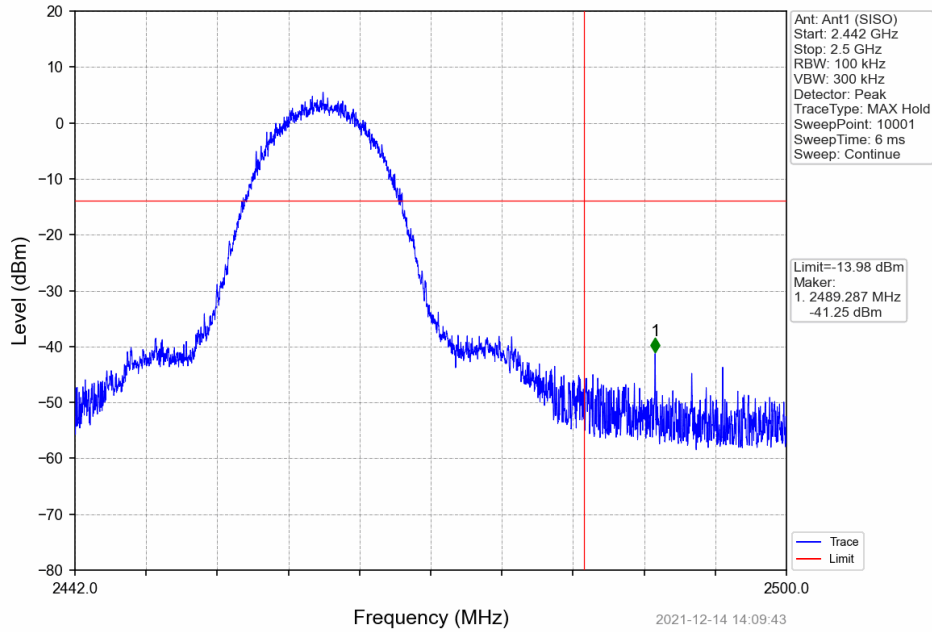
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



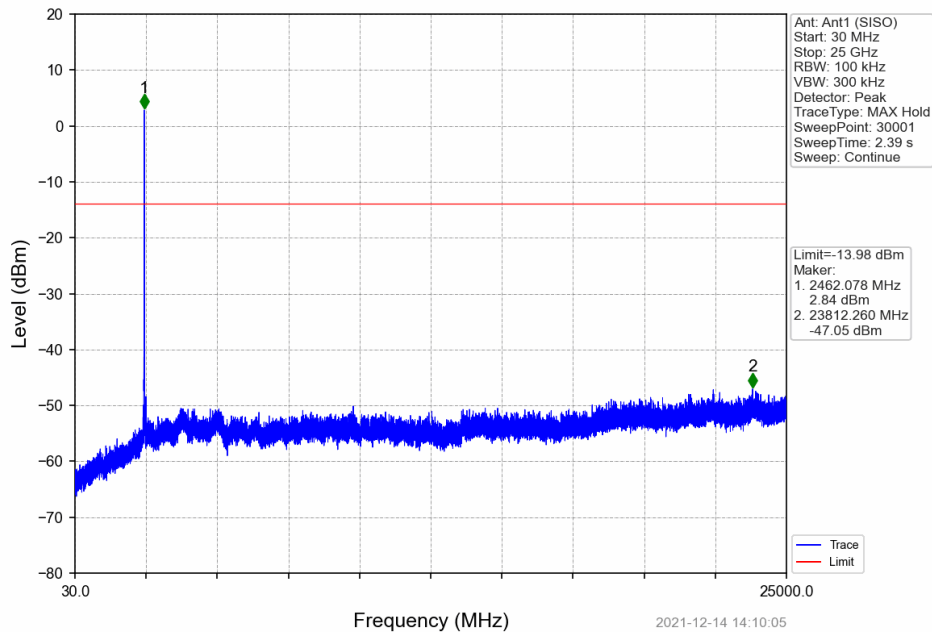
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



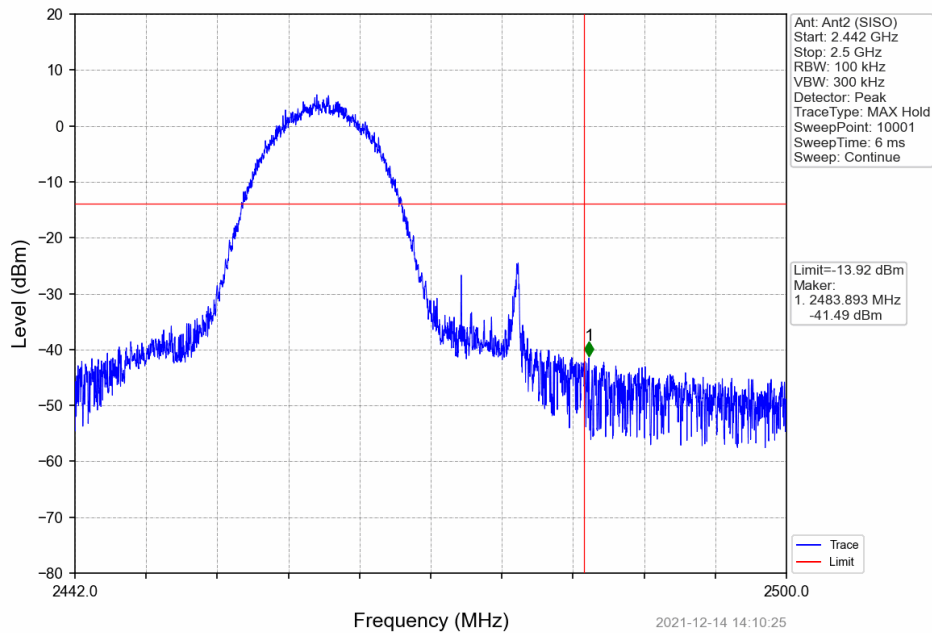
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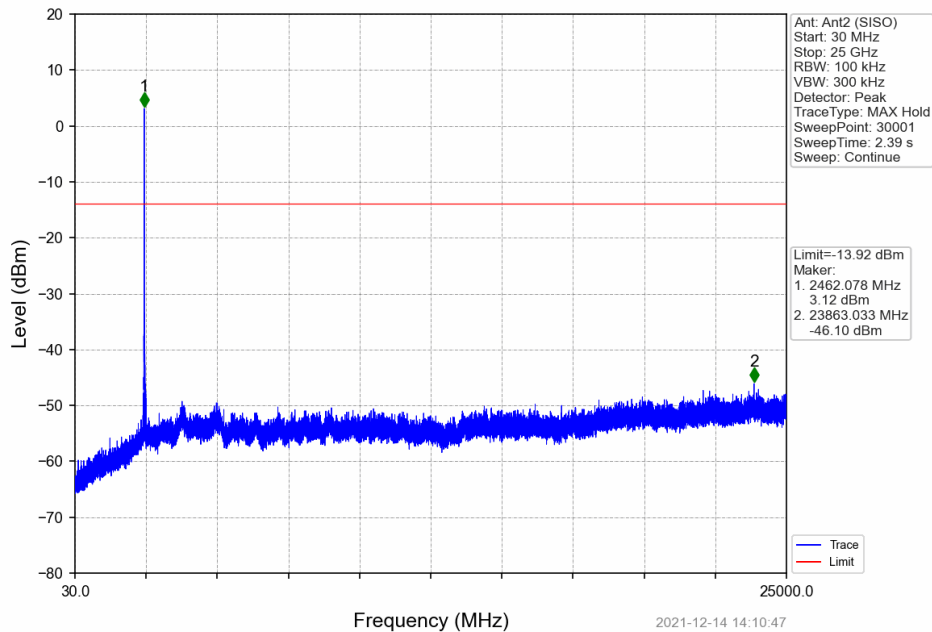
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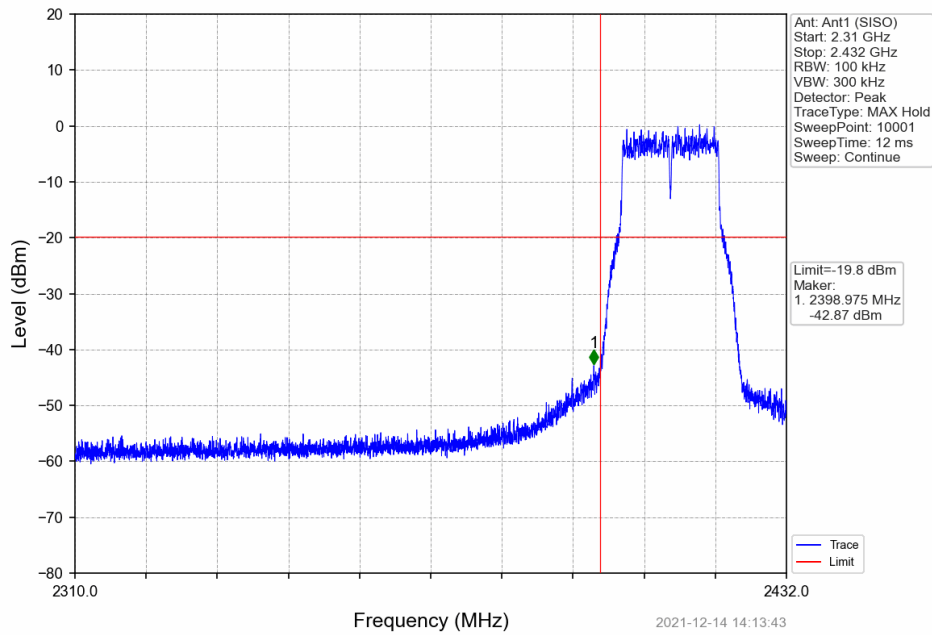
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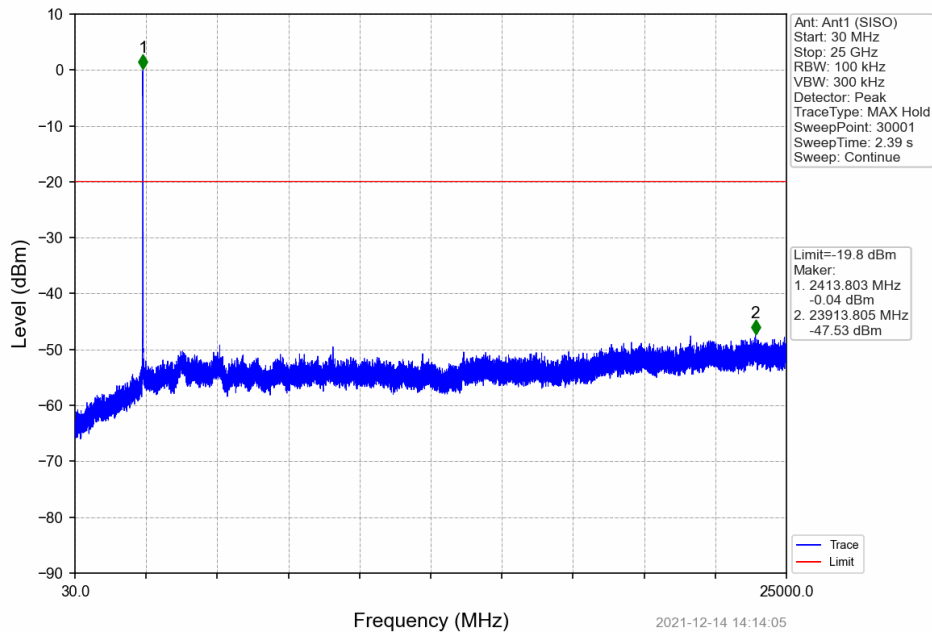
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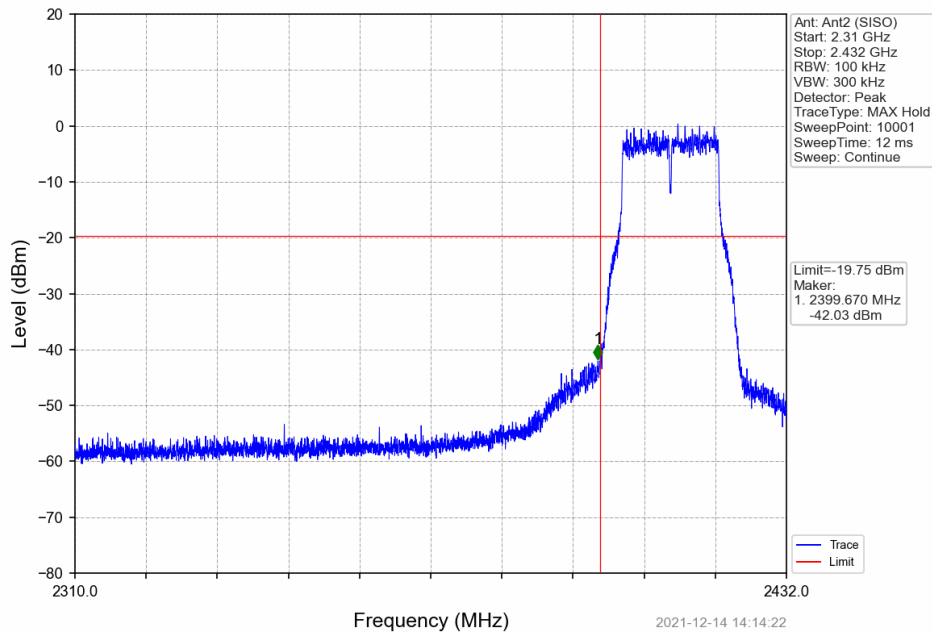
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



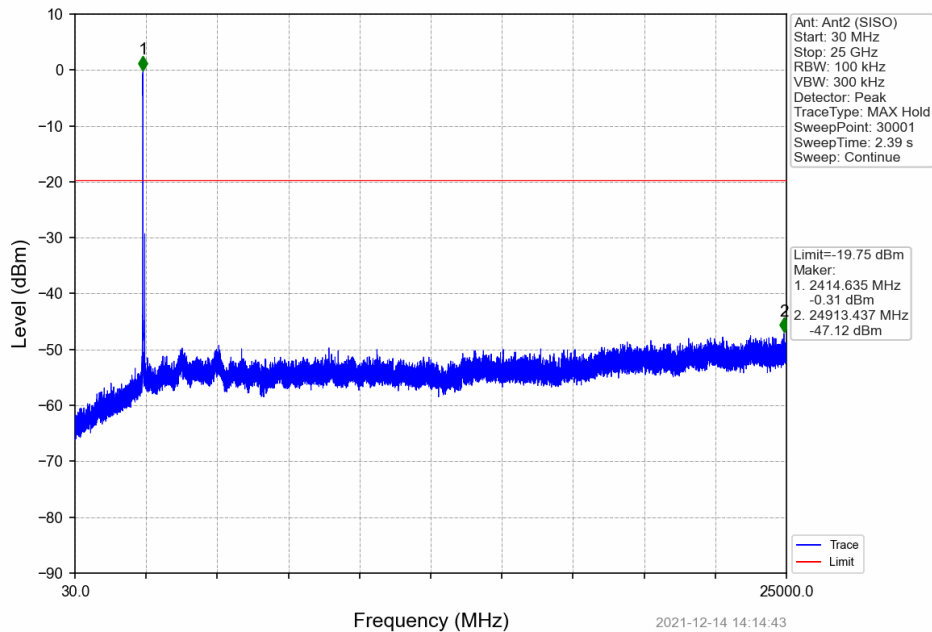
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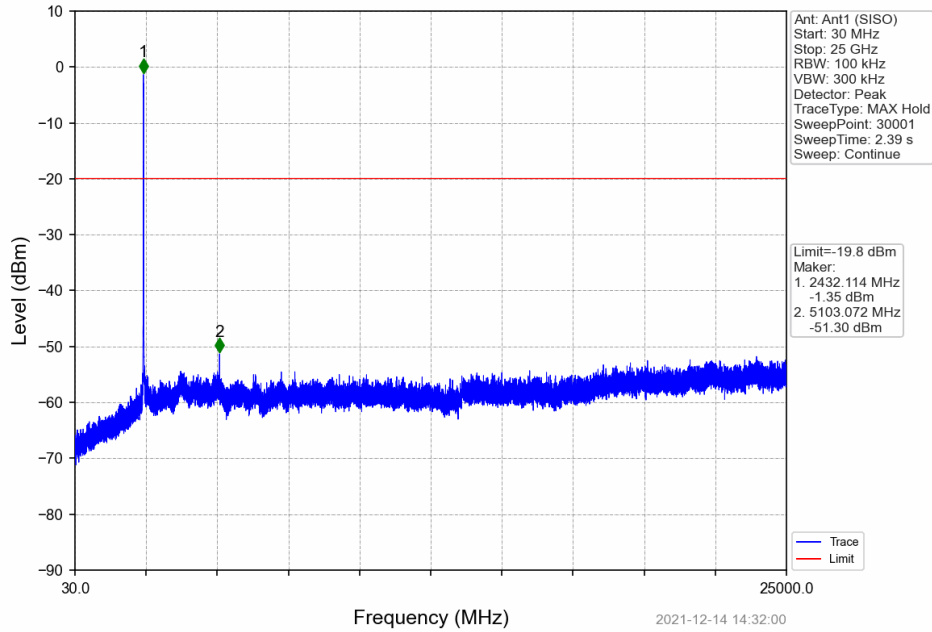
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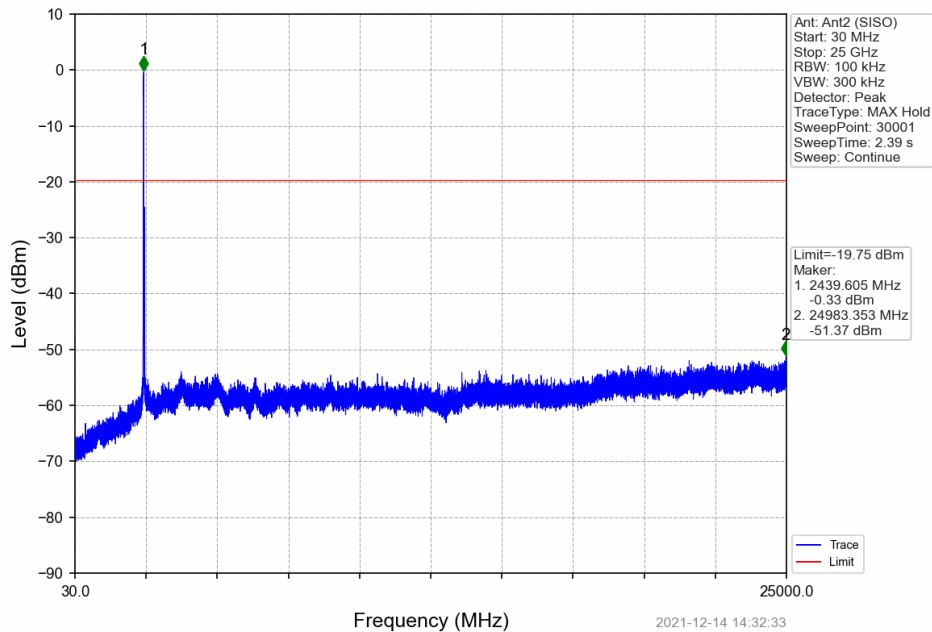
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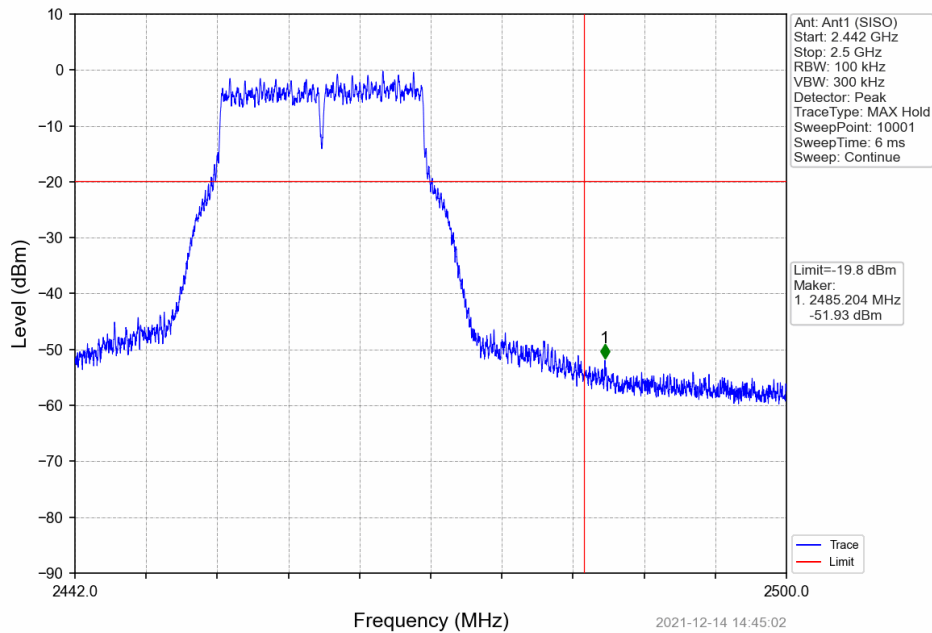
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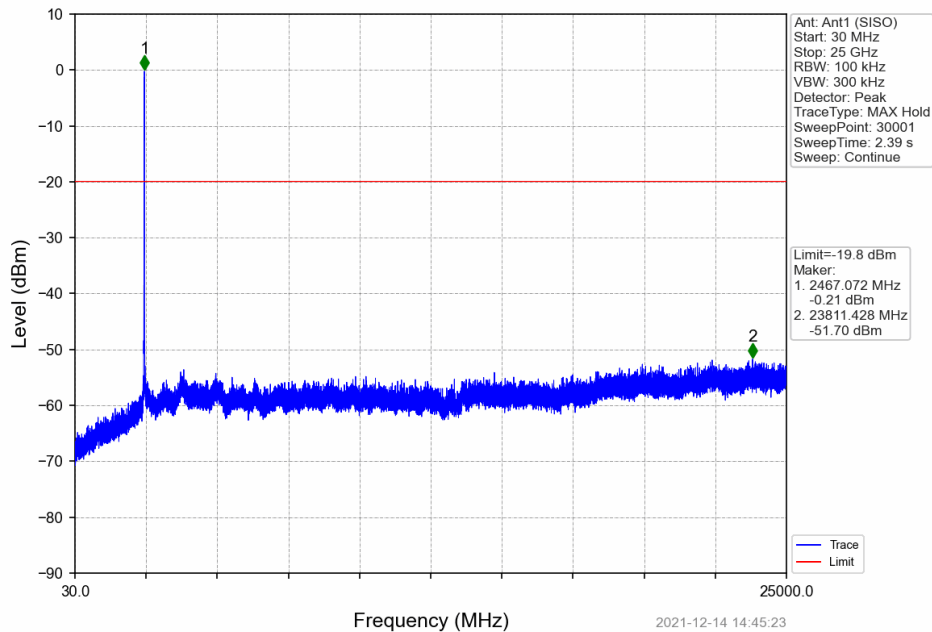
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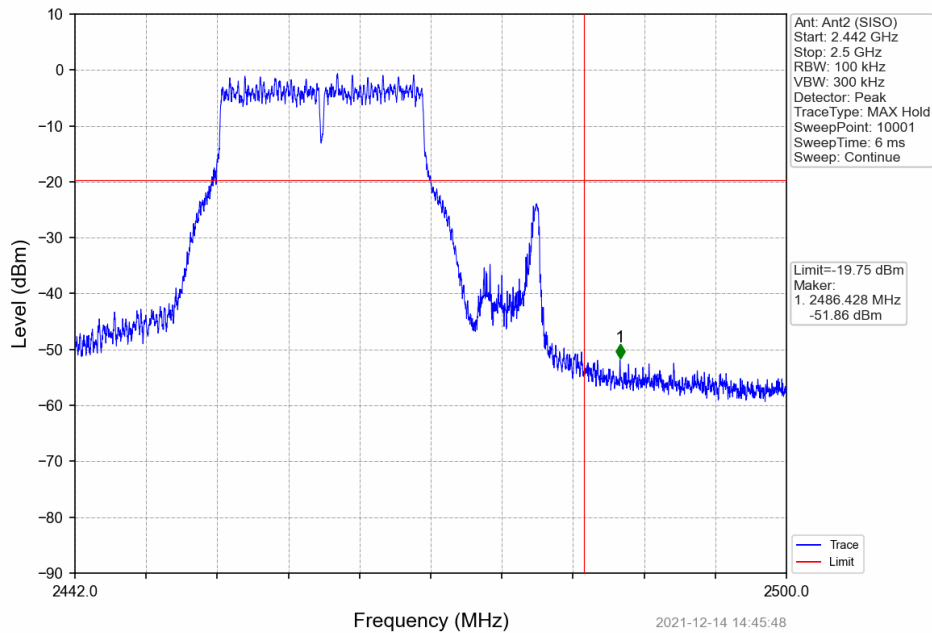
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



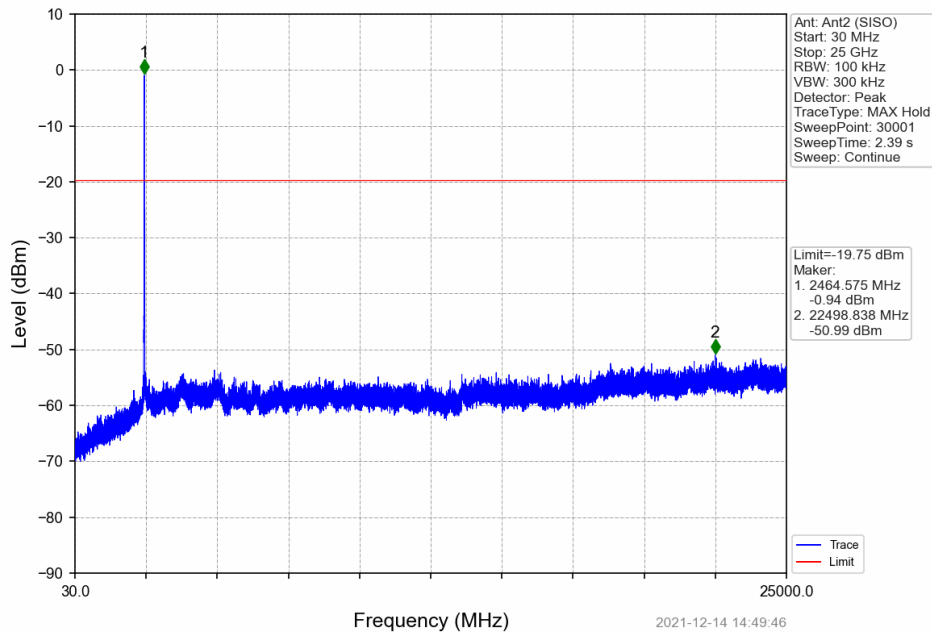
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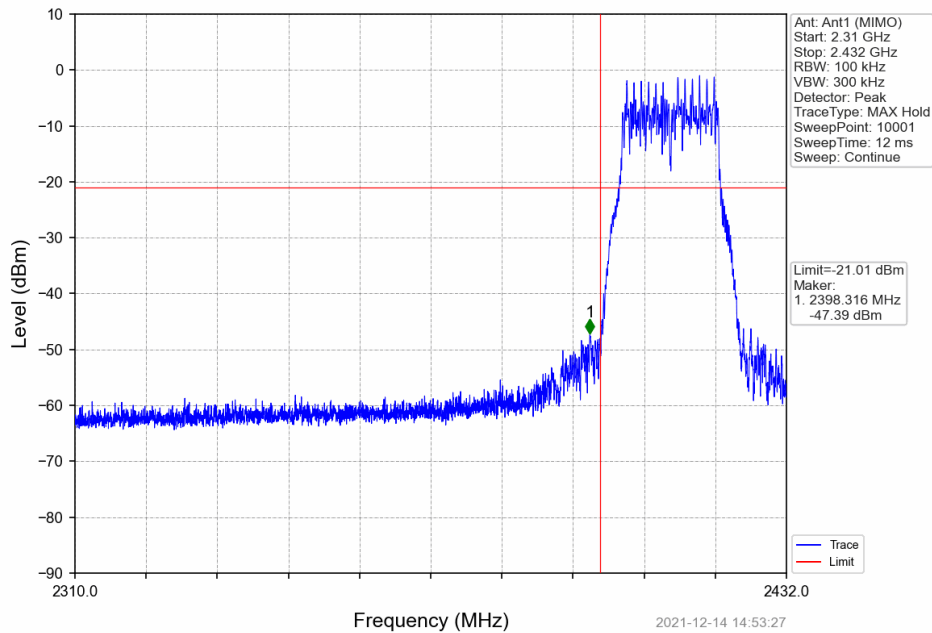
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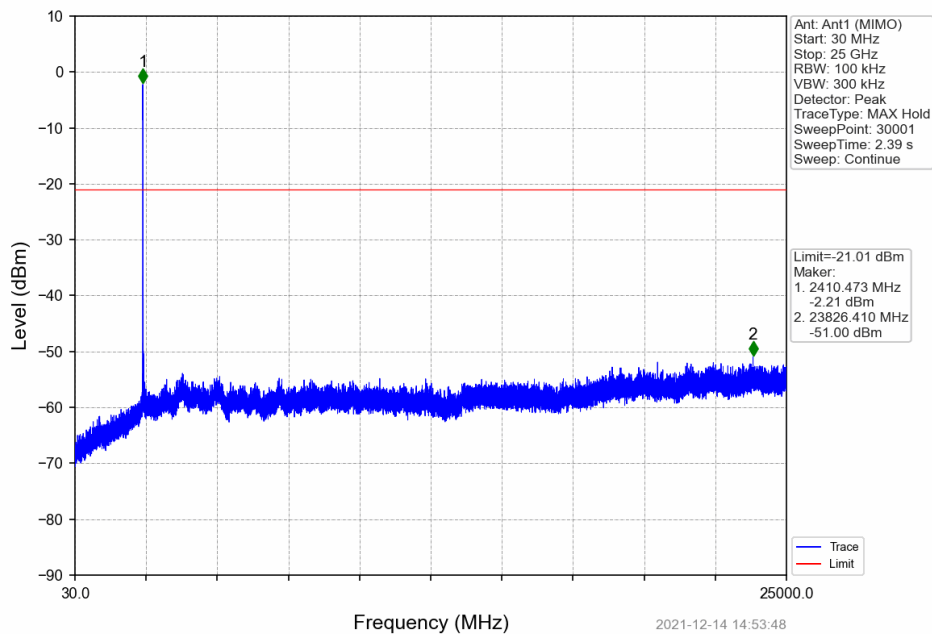
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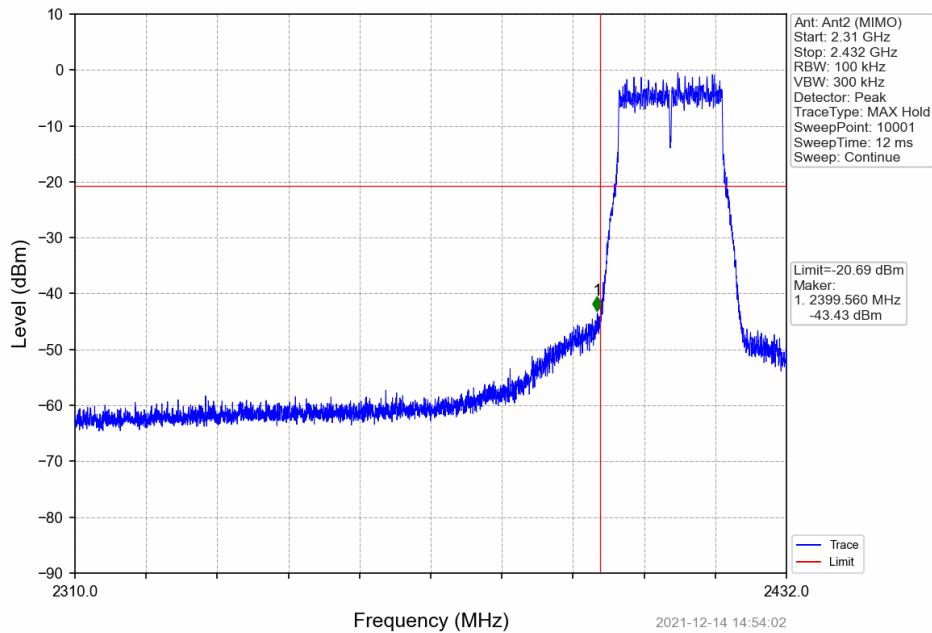
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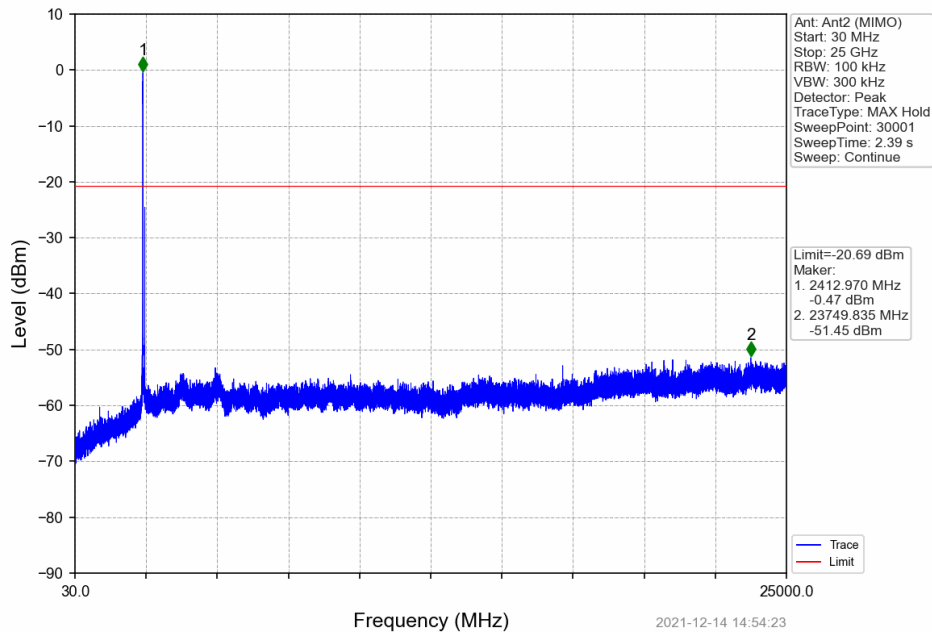
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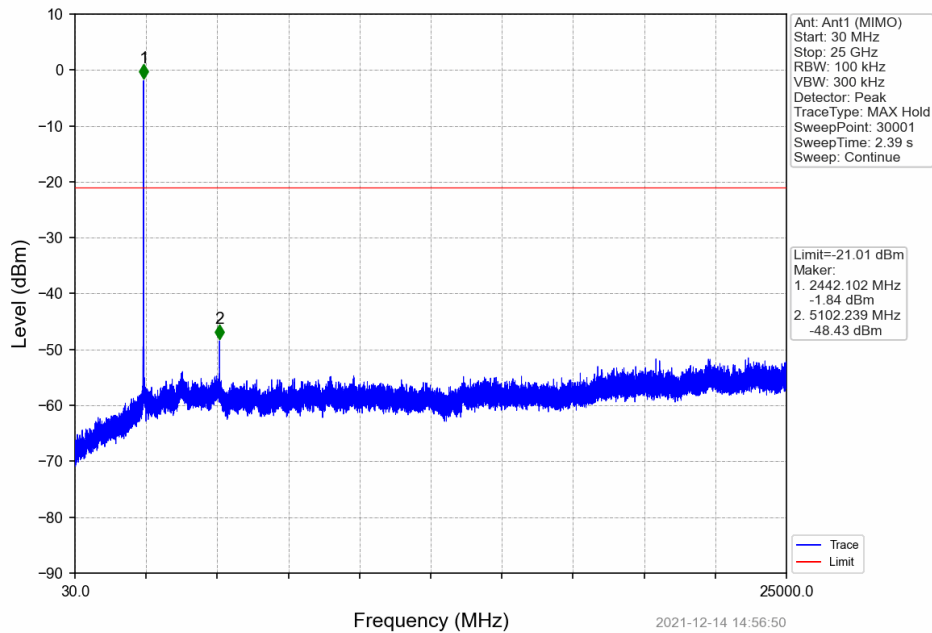
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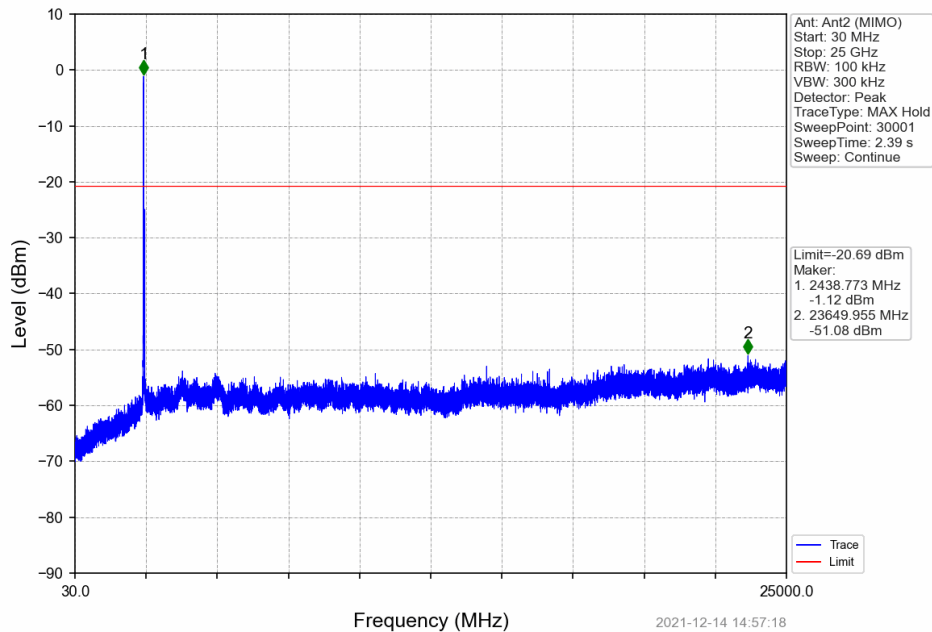
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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

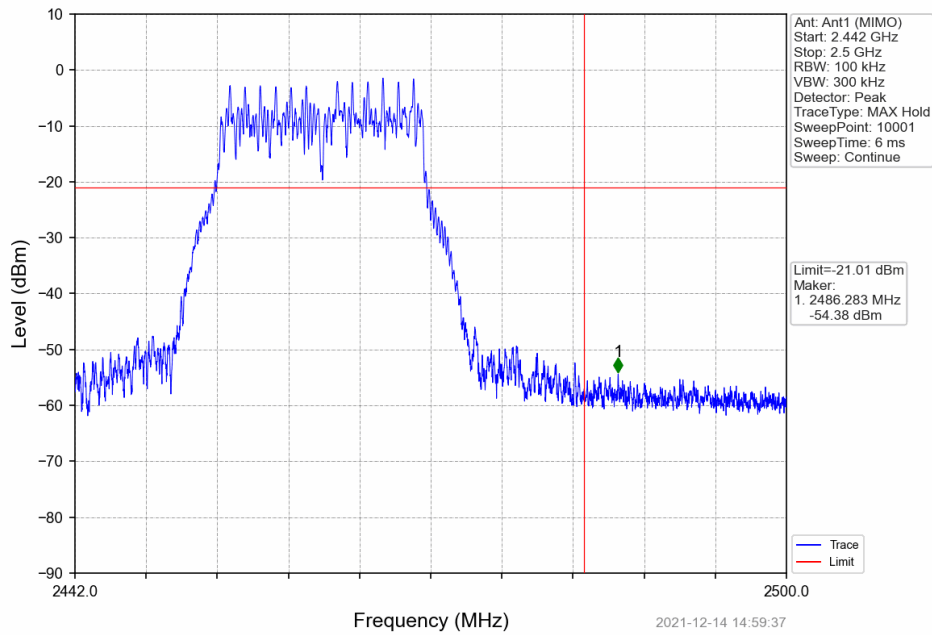


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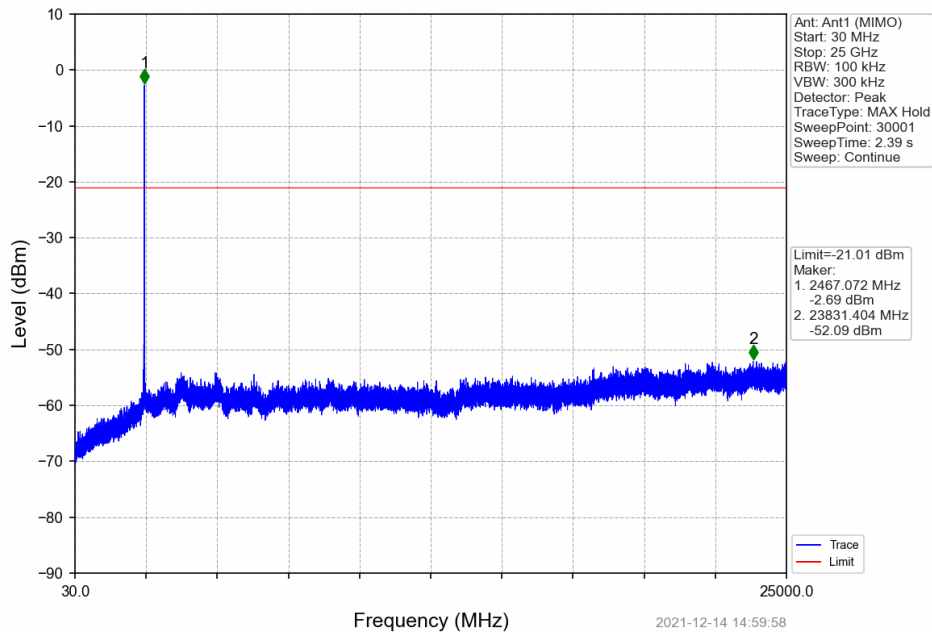


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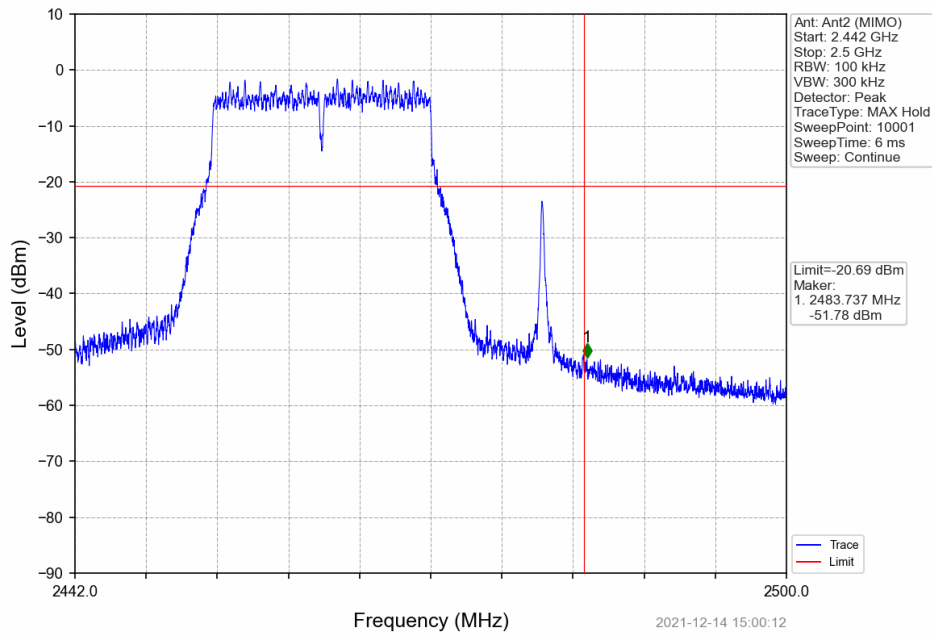
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



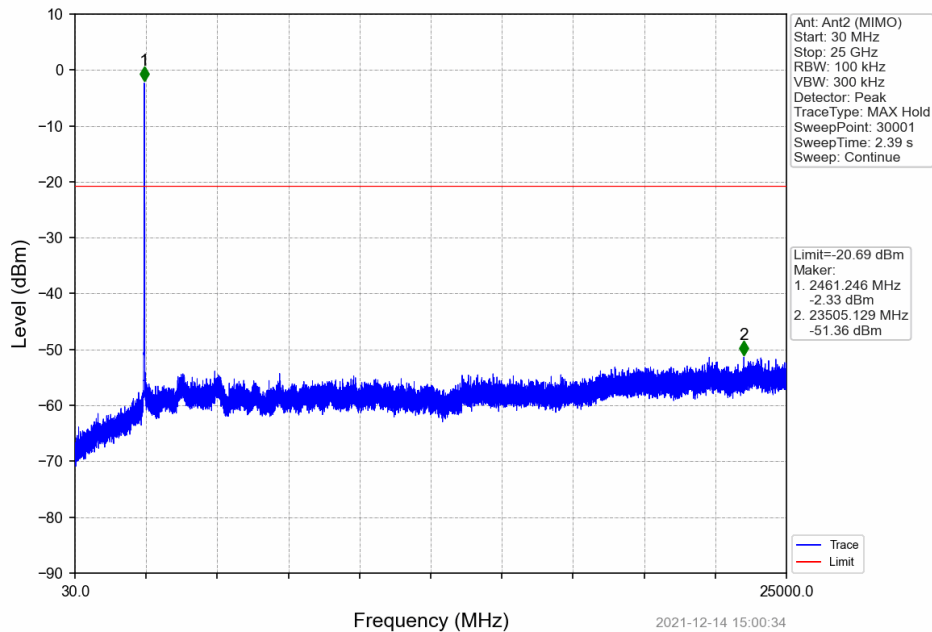
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (SISO)_NTNV



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5. Duty Cycle

5.1 Ant1

5.1.1 Test Result

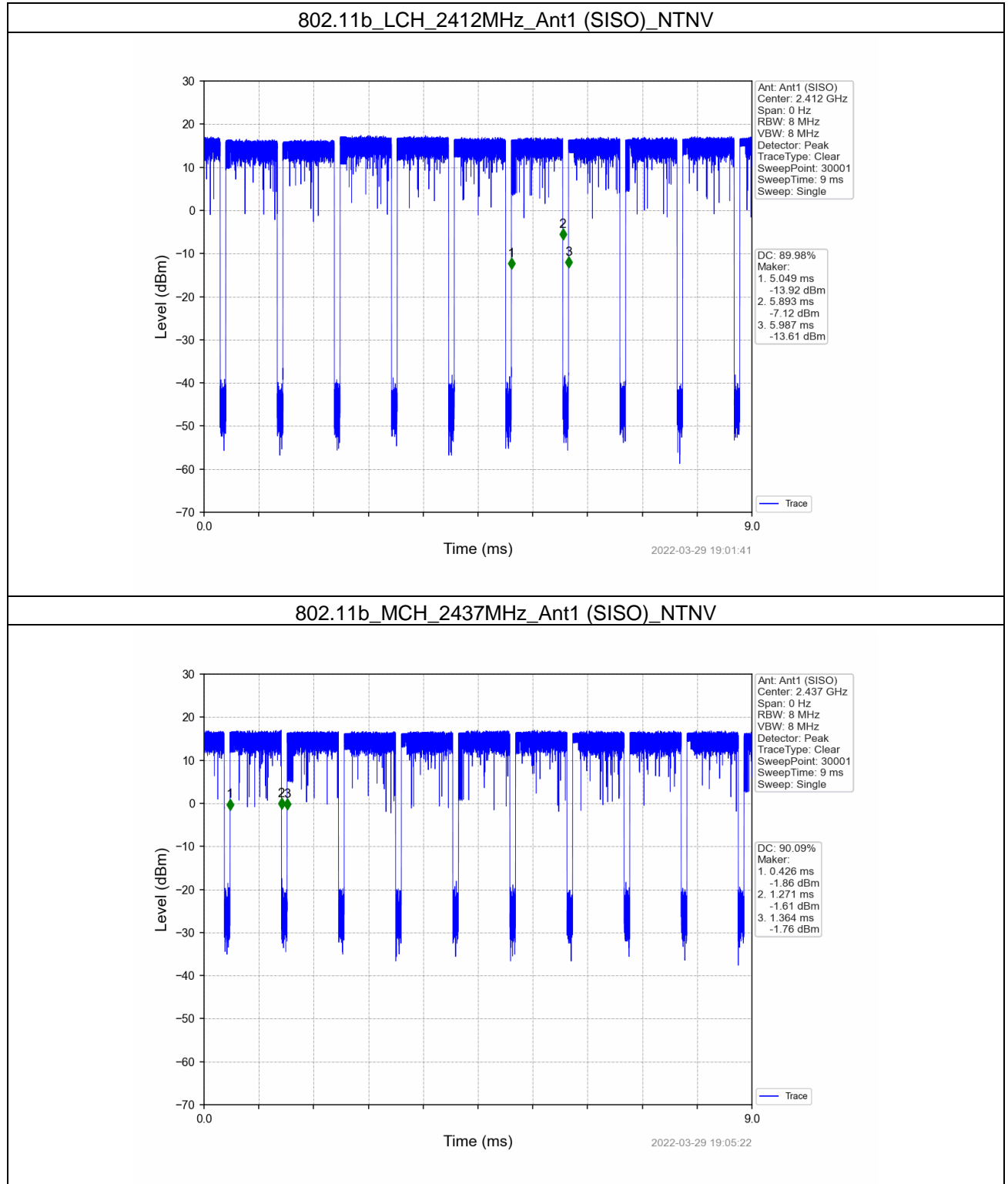
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	0.844	0.938	89.98	0.46	0.03
		2437	0.845	0.938	90.09	0.45	0.00
		2462	0.845	0.938	90.09	0.45	0.07
802.11g	SISO	2412	2.066	2.094	98.66	0.06	0.03
		2437	2.065	2.093	98.66	0.06	0.03
		2462	2.065	2.094	98.62	0.06	0.04
802.11n (HT20)	MIMO	2412	1.921	1.939	99.07	0.04	0.03
		2437	1.920	1.940	98.97	0.05	0.07
		2462	1.921	1.940	99.02	0.04	0.03



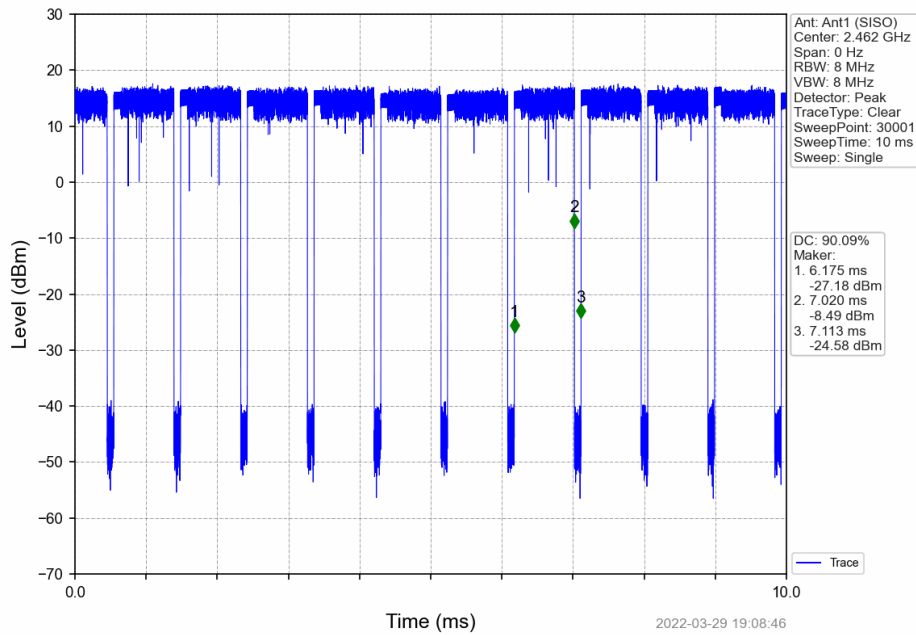
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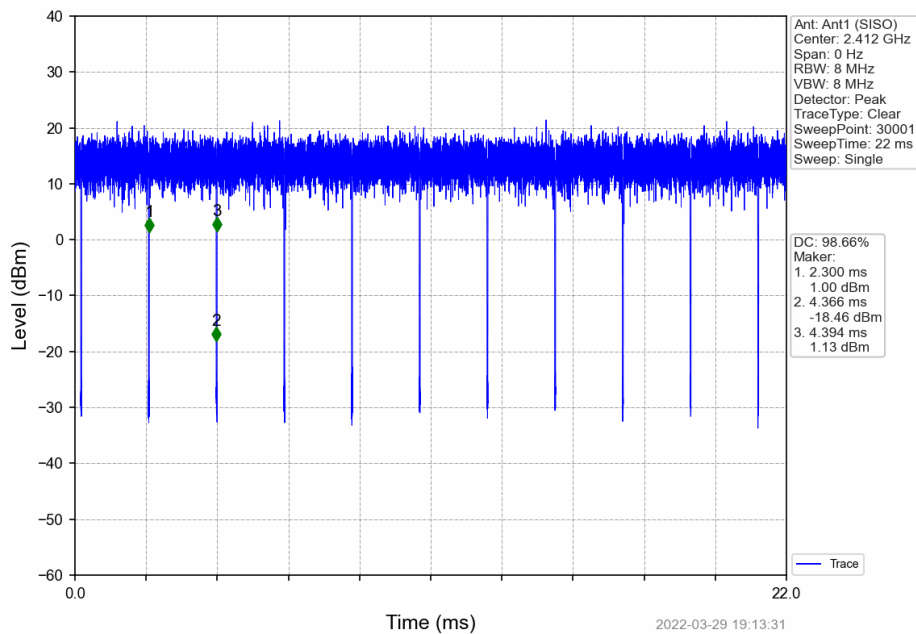
5.1.2 Test Graph



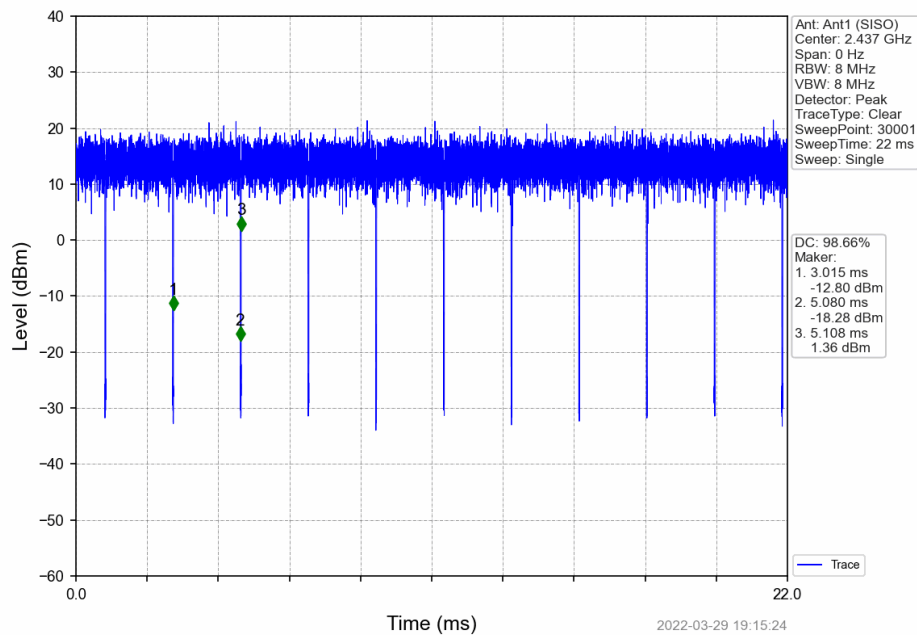
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



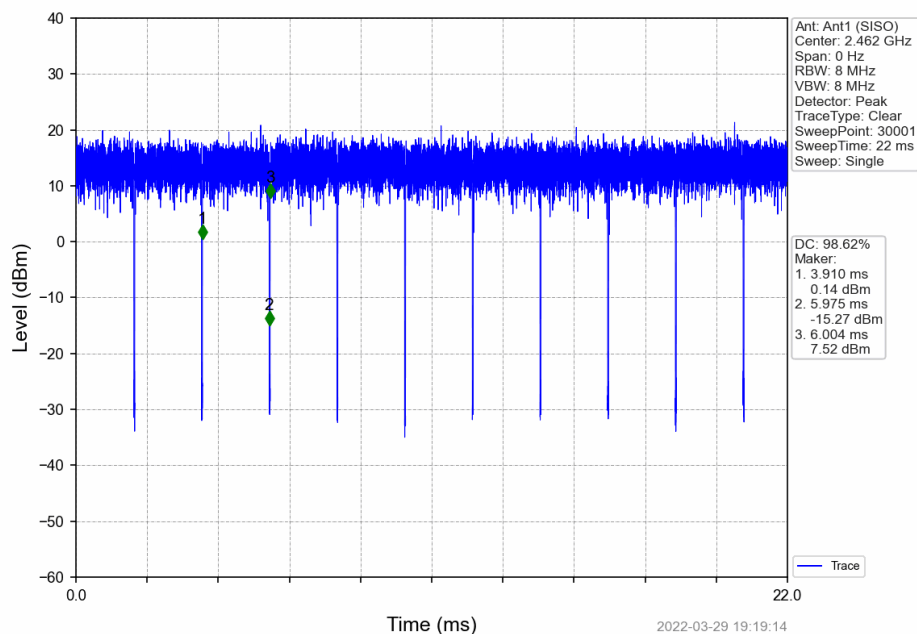
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



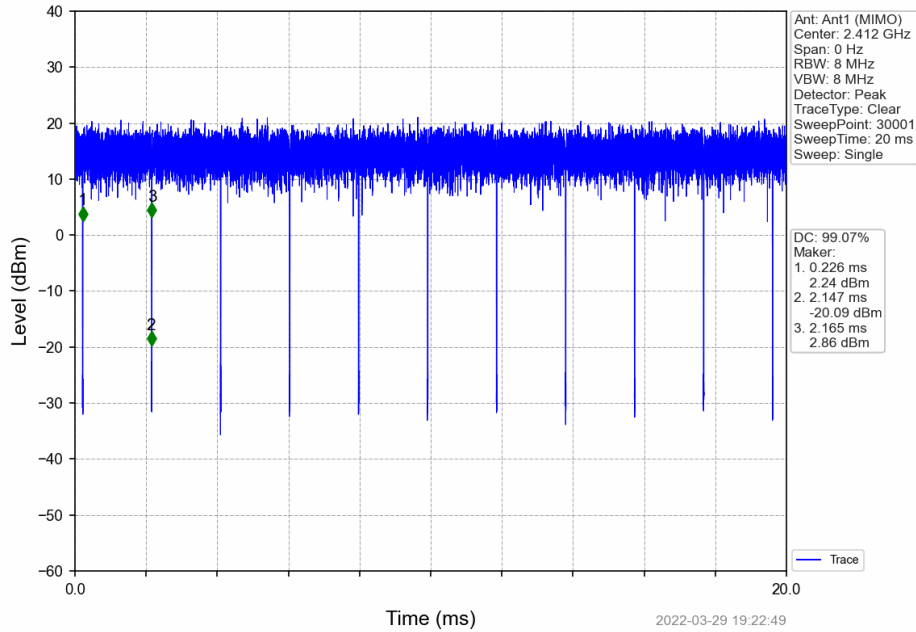
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



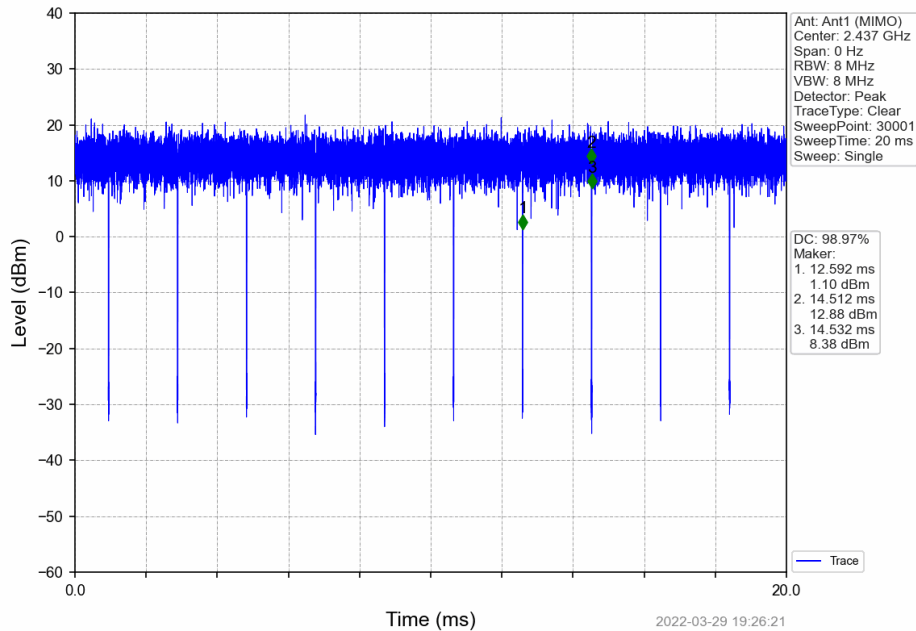
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV

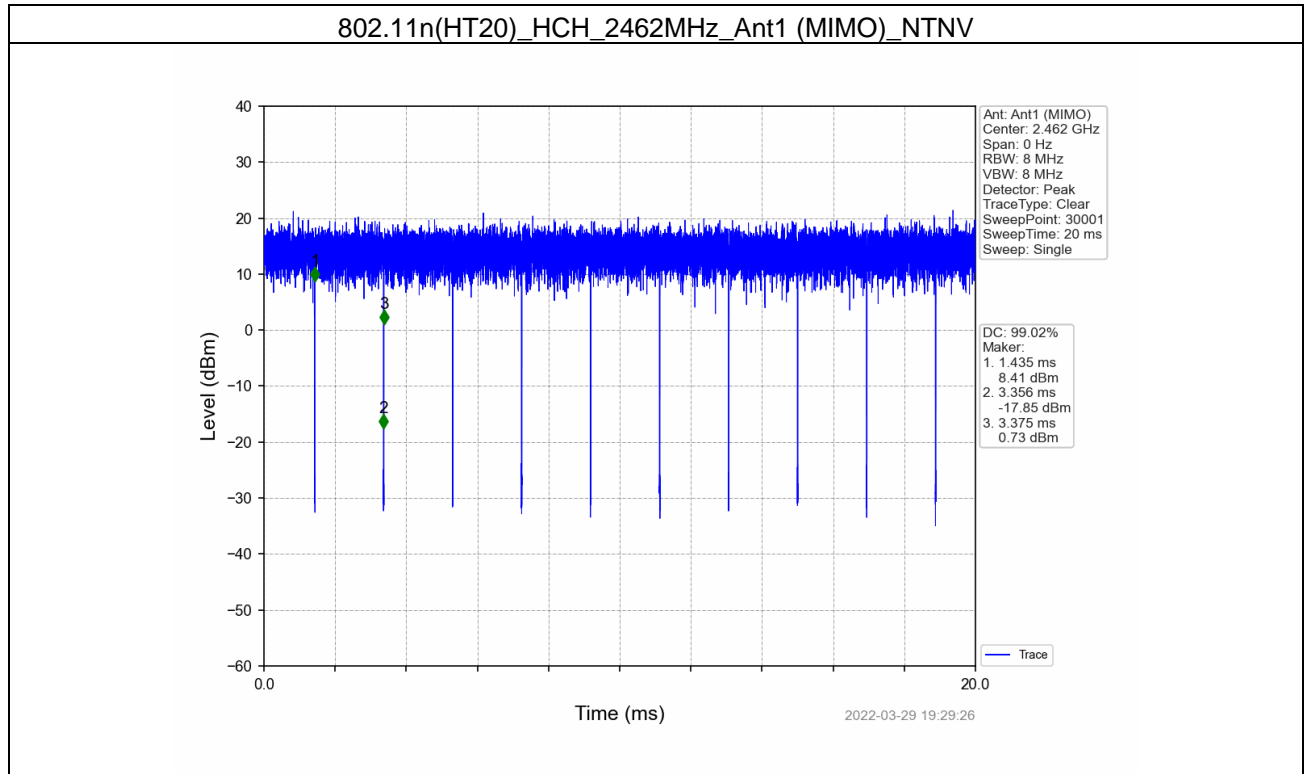


802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



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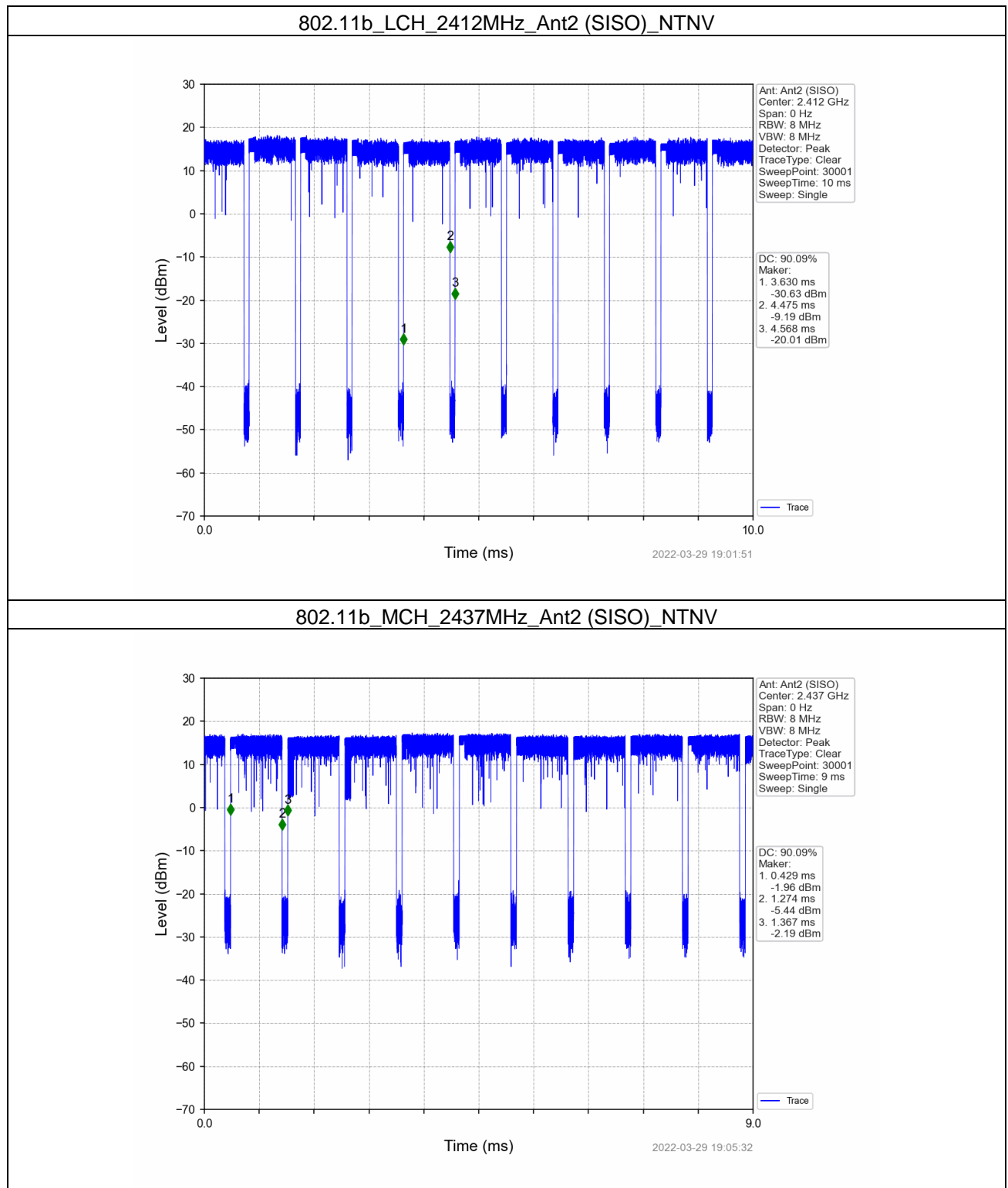


5.2 Ant2

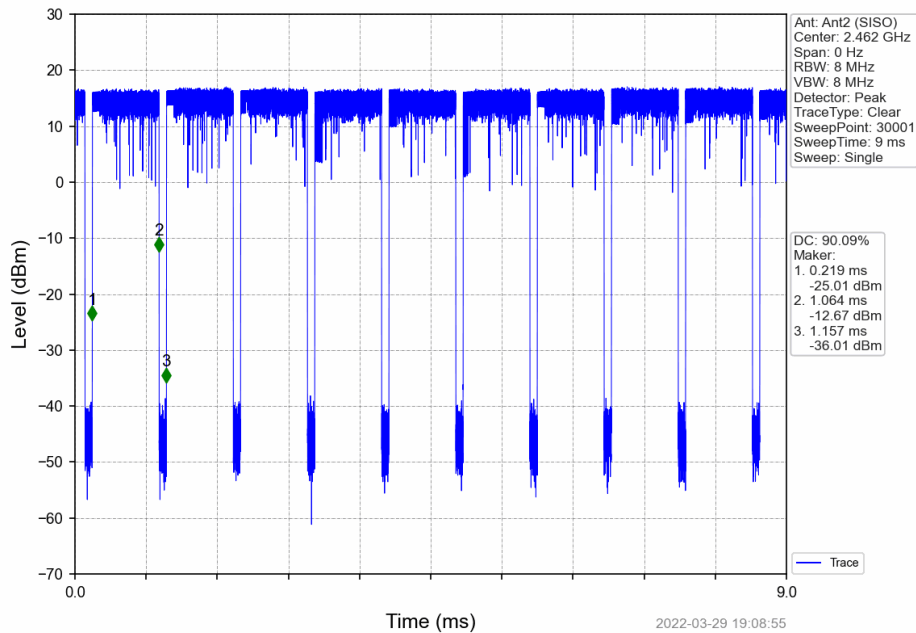
5.2.1 Test Result

Ant2							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	0.845	0.938	90.09	0.45	0.04
		2437	0.845	0.938	90.09	0.45	0.03
		2462	0.845	0.938	90.09	0.45	0.09
802.11g	SISO	2412	2.065	2.094	98.62	0.06	0.03
		2437	2.064	2.093	98.61	0.06	0.04
		2462	2.065	2.094	98.62	0.06	0.03
802.11n (HT20)	MIMO	2412	1.921	1.940	99.02	0.04	0.03
		2437	1.921	1.939	99.07	0.04	0.03
		2462	1.920	1.939	99.02	0.04	0.03

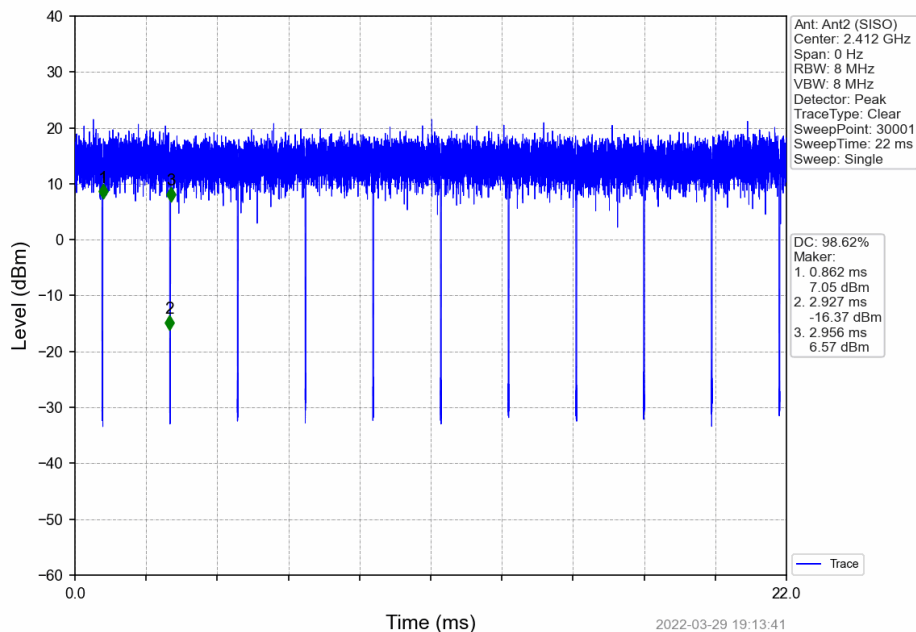
5.2.2 Test Graph



802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



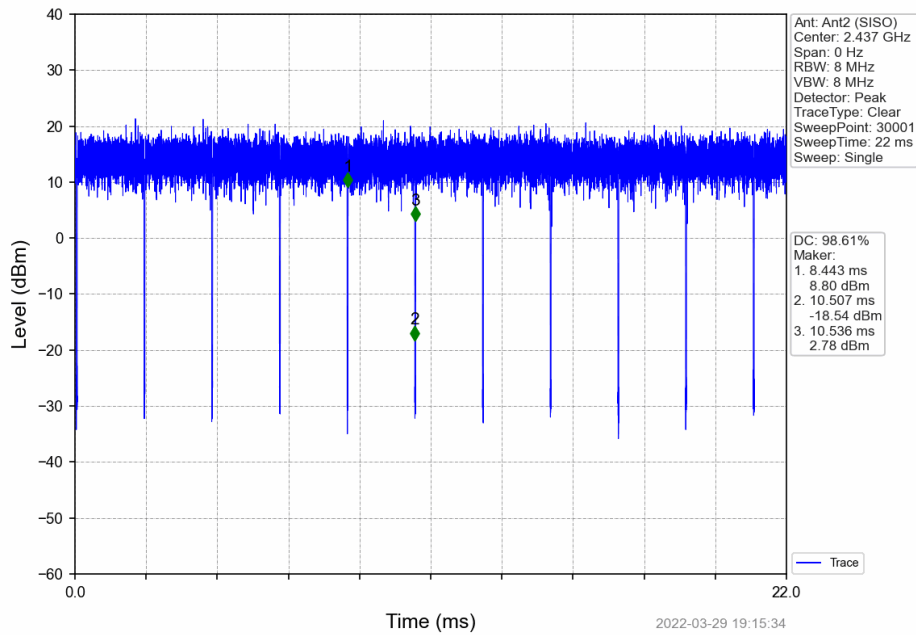
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



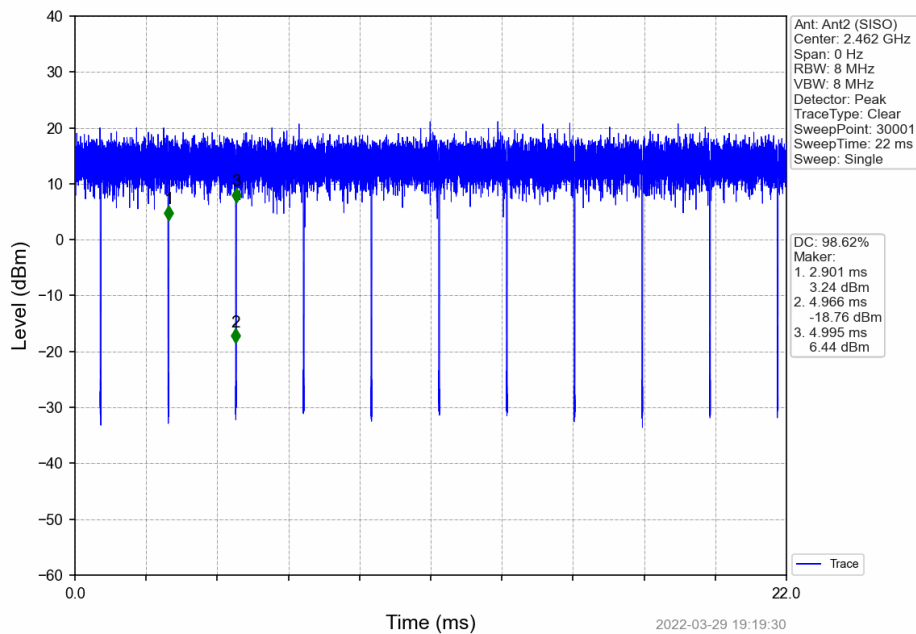
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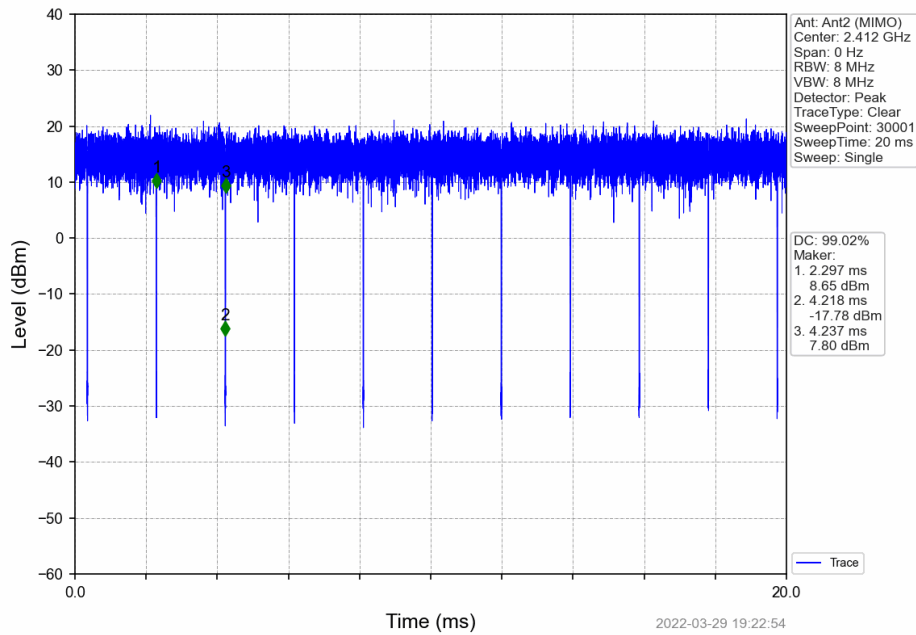
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



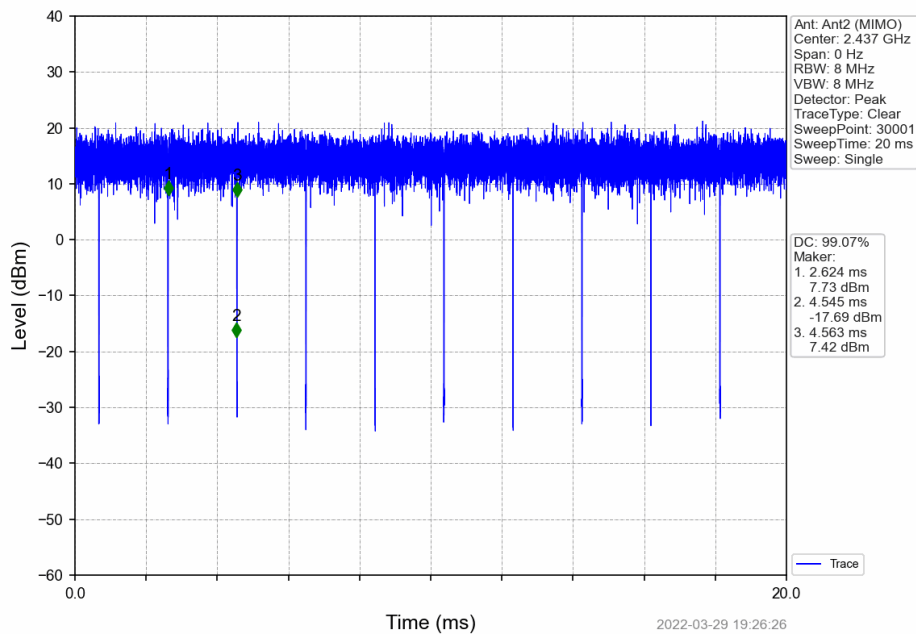
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



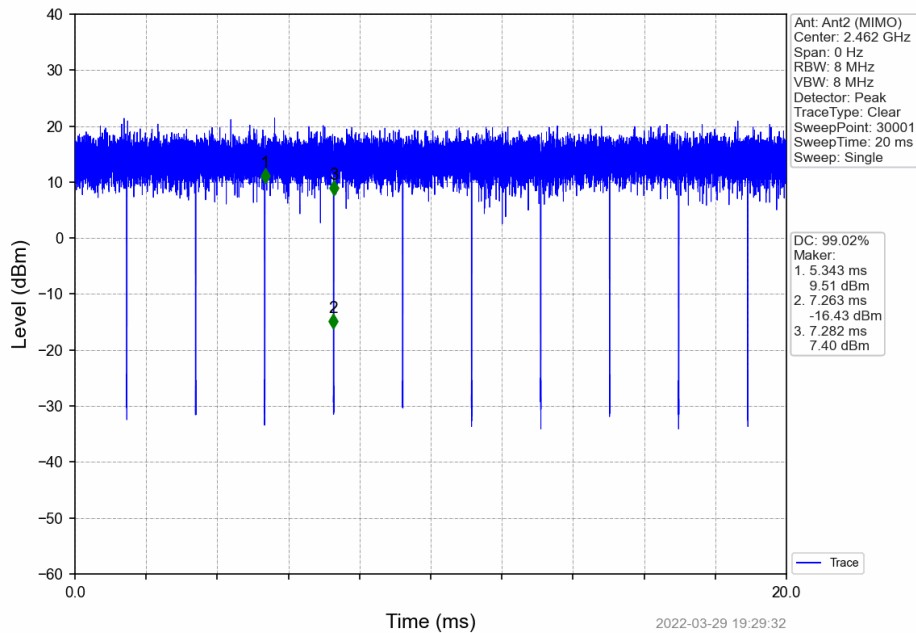
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



- End of the Report -