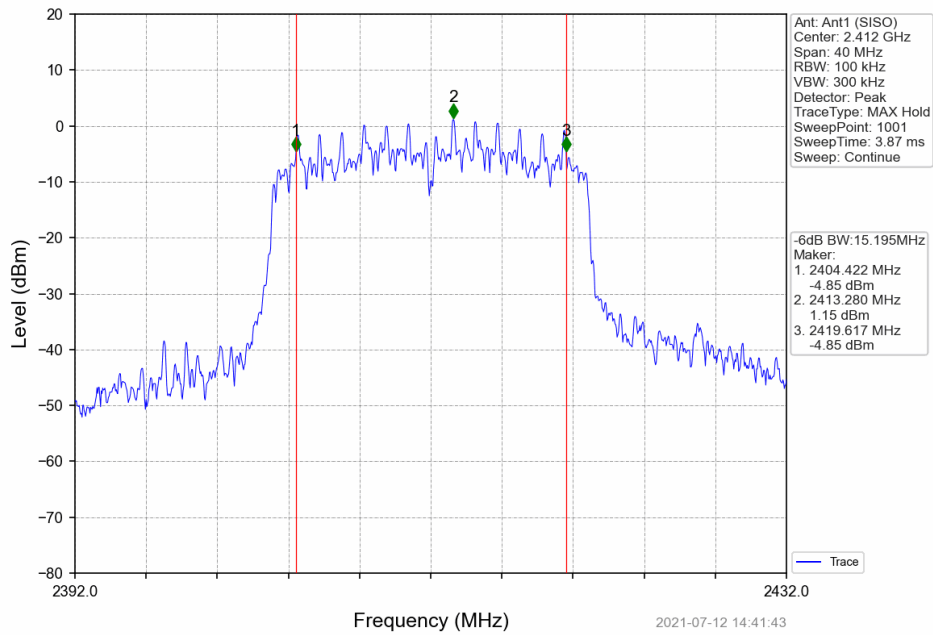
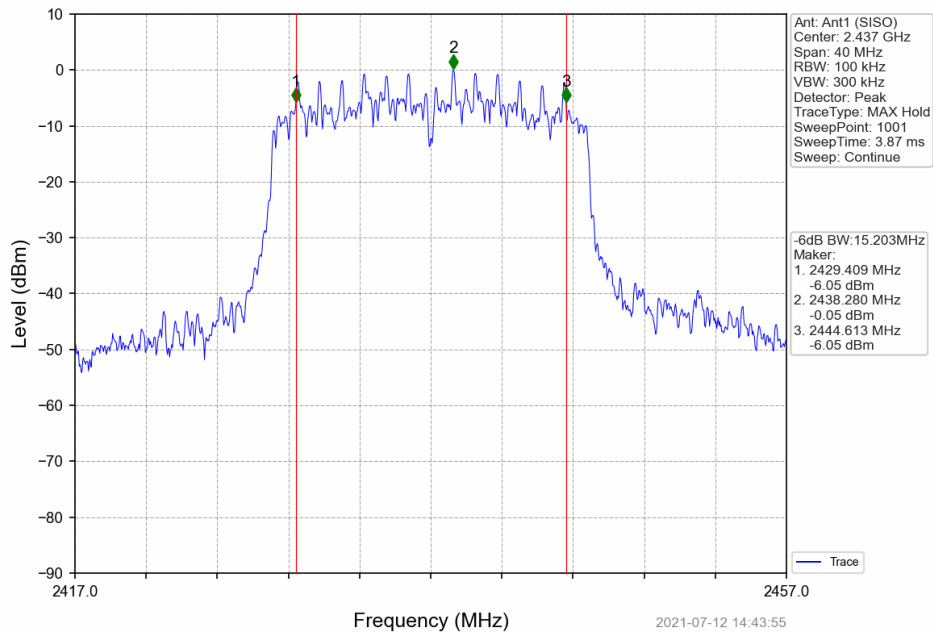


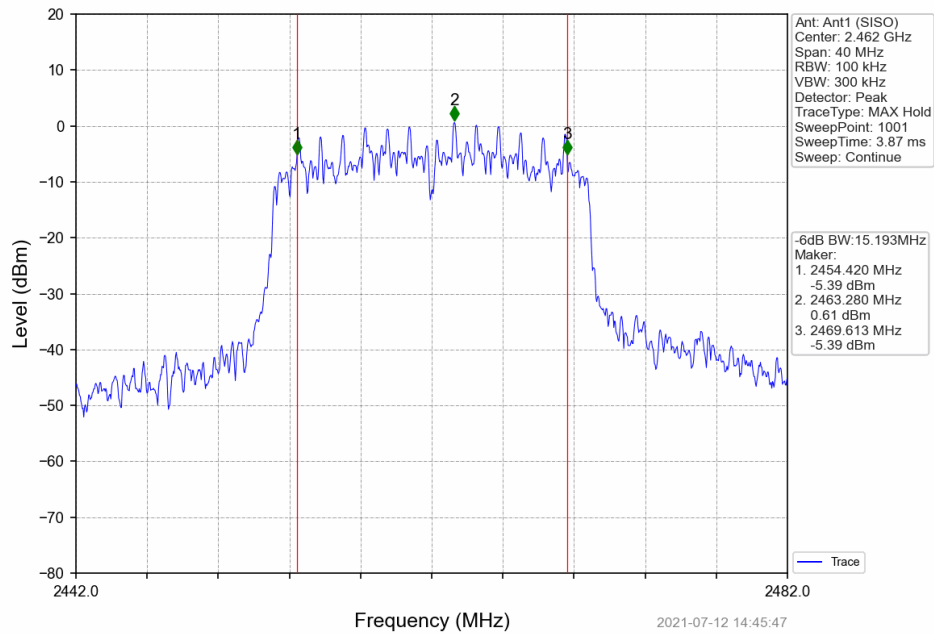
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



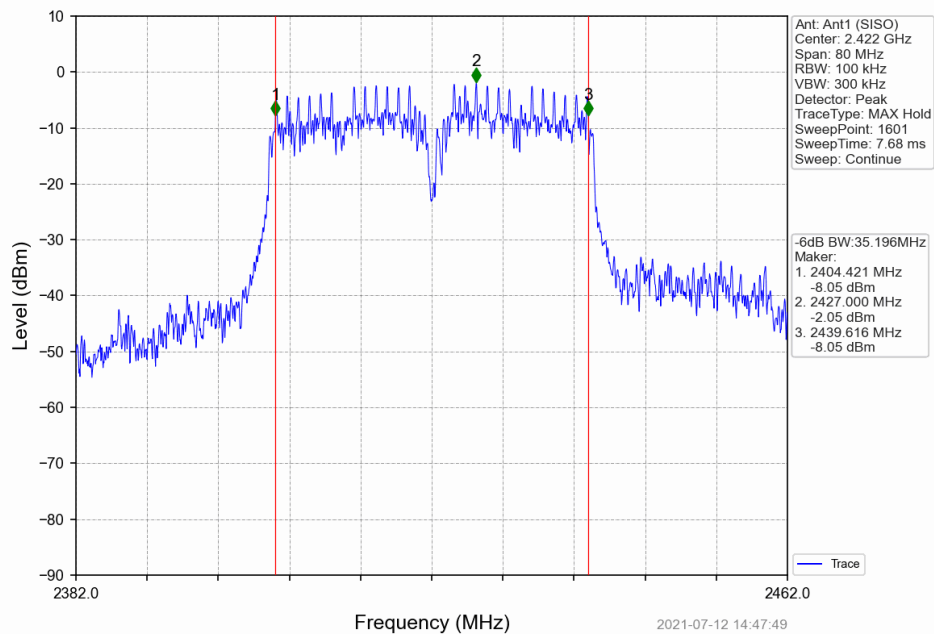
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



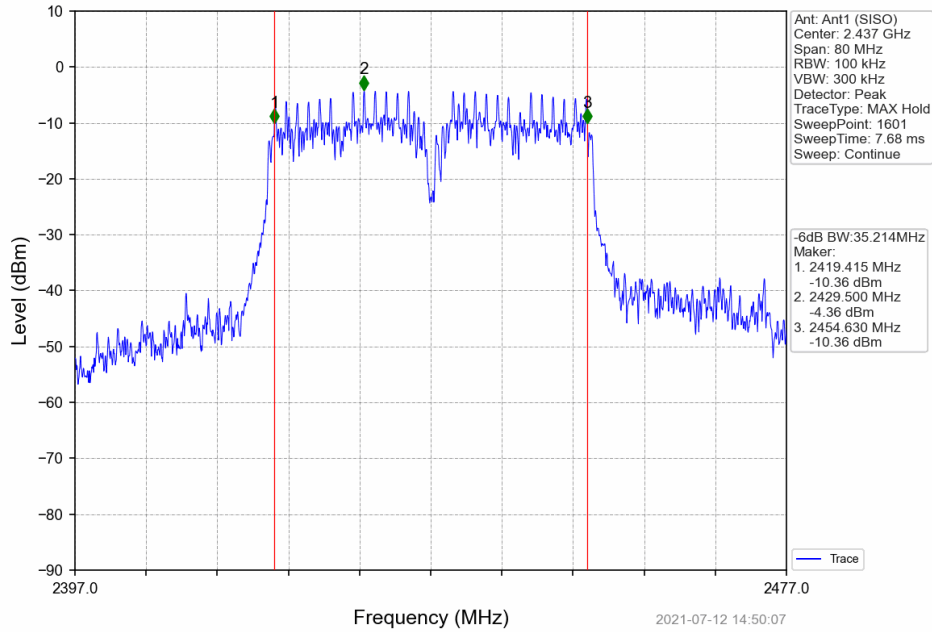
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



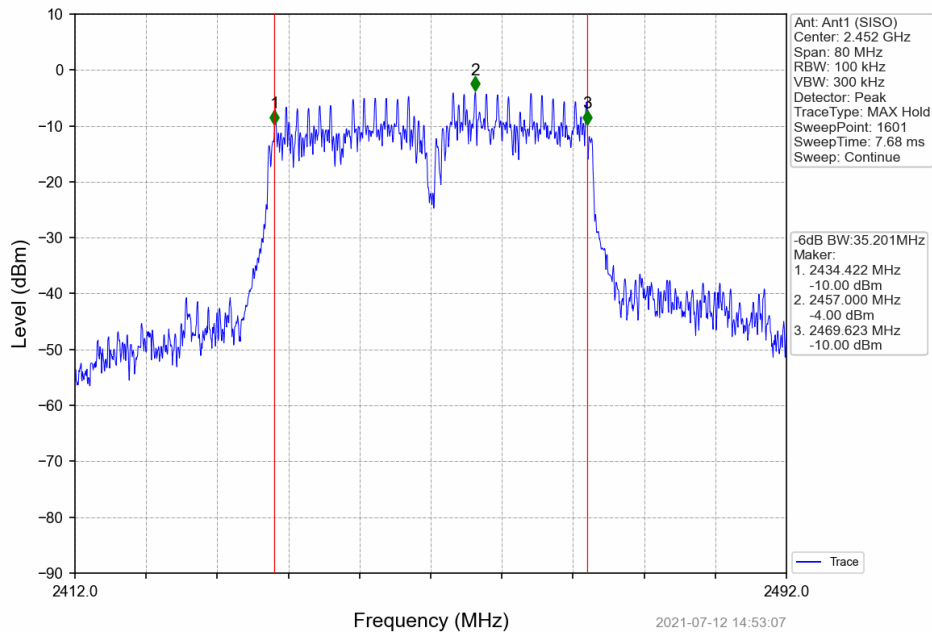
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



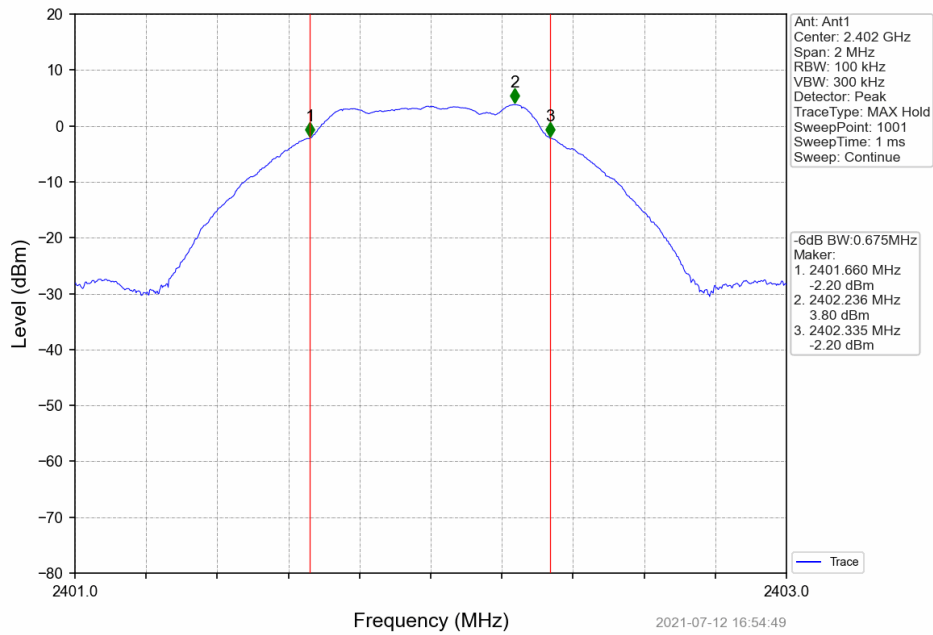
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



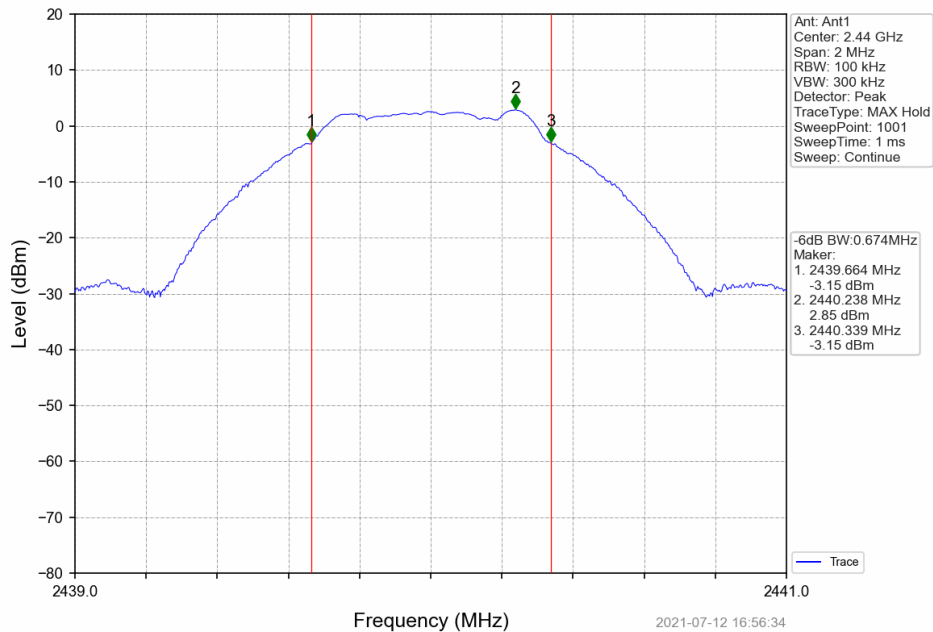
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



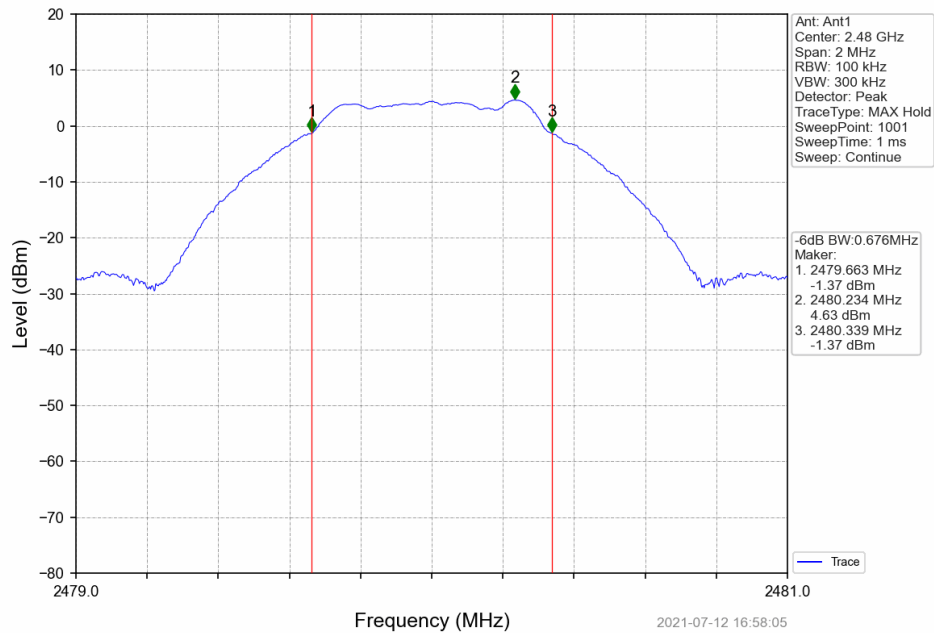
BLE 1M_LCH_2402MHz_DataRate=_Ant1_NTNV



BLE 1M_MCH_2440MHz_DataRate=_Ant1_NTNV



BLE 1M_HCH_2480MHz_DataRate=_Ant1_NTNV



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2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Measured Peak Output Power (dBm)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	19.93	<=30	Pass
		2437	20.12	<=30	Pass
		2462	20.82	<=30	Pass
802.11g	SISO	2412	20.56	<=30	Pass
		2437	19.35	<=30	Pass
		2462	19.80	<=30	Pass
802.11n (HT20)	SISO	2412	17.17	<=30	Pass
		2437	16.01	<=30	Pass
		2462	16.58	<=30	Pass
802.11n (HT40)	SISO	2422	17.69	<=30	Pass
		2437	15.75	<=30	Pass
		2452	15.65	<=30	Pass
BLE 1M	SISO	2402	4.71	<=30	Pass
		2440	3.73	<=30	Pass
		2480	5.54	<=30	Pass
Note1: Antenna Gain: Ant1: 1.5dBi;					

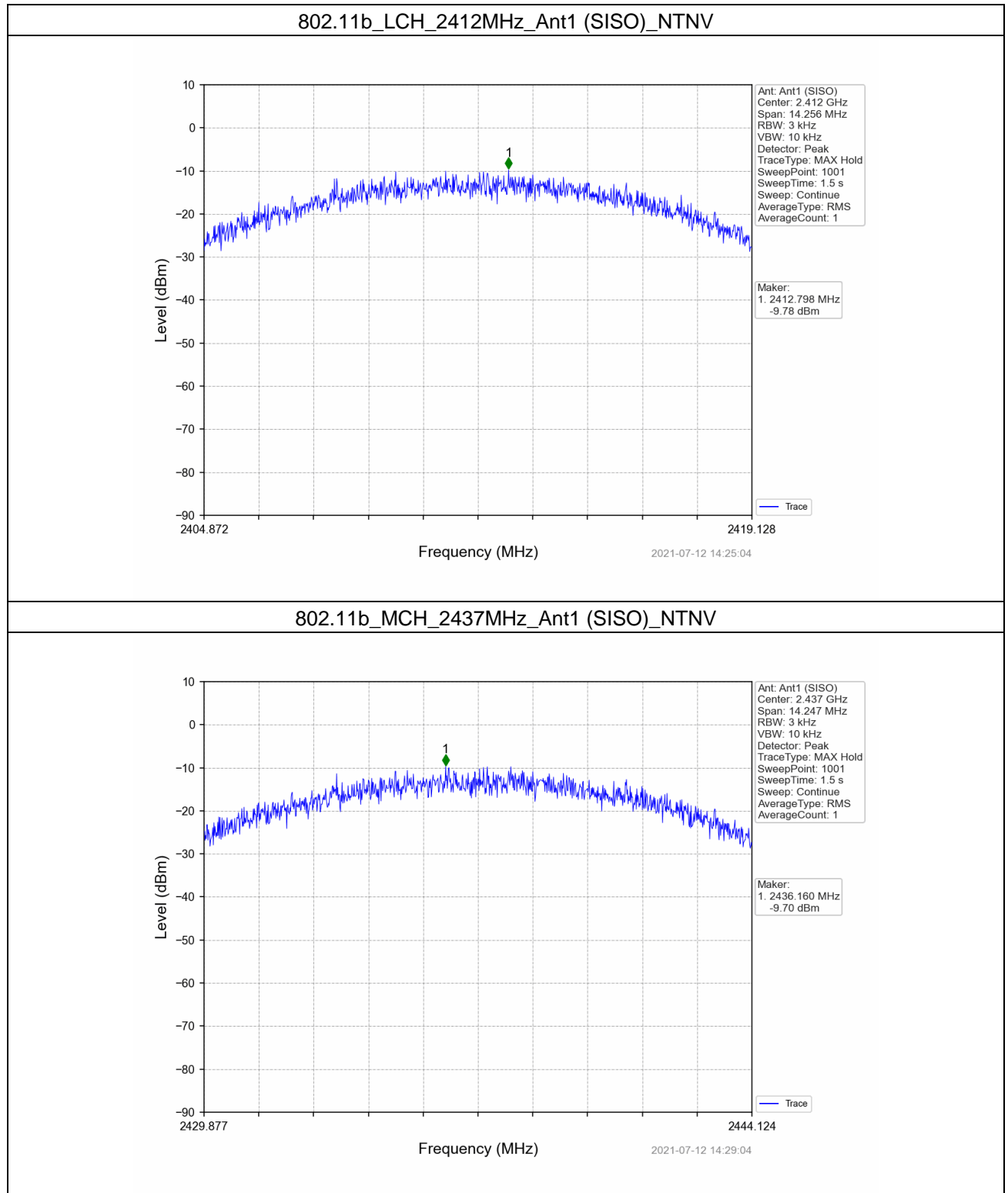
3. Maximum Power Spectral Density

3.1 PSD

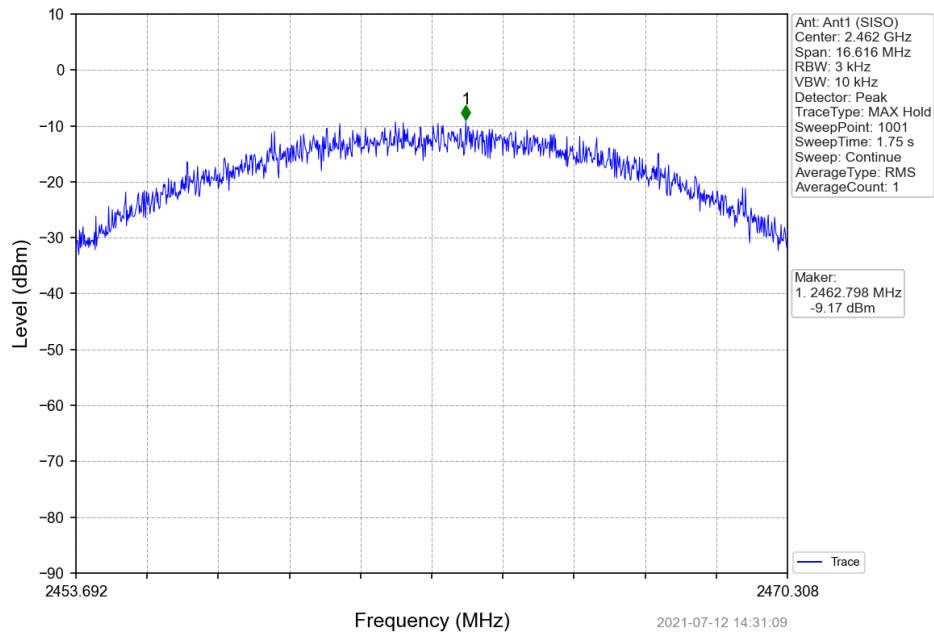
3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	-9.78	<=8	Pass
		2437	-9.70	<=8	Pass
		2462	-9.17	<=8	Pass
802.11g	SISO	2412	-14.06	<=8	Pass
		2437	-14.72	<=8	Pass
		2462	-14.59	<=8	Pass
802.11n (HT20)	SISO	2412	-18.34	<=8	Pass
		2437	-19.64	<=8	Pass
		2462	-18.95	<=8	Pass
802.11n (HT40)	SISO	2422	-19.14	<=8	Pass
		2437	-21.02	<=8	Pass
		2452	-21.43	<=8	Pass
BLE 1M	SISO	2402	-10.77	<=8	Pass
		2440	-11.66	<=8	Pass
		2480	-9.80	<=8	Pass
Note1: Antenna Gain: Ant1: 1.5dBi;					

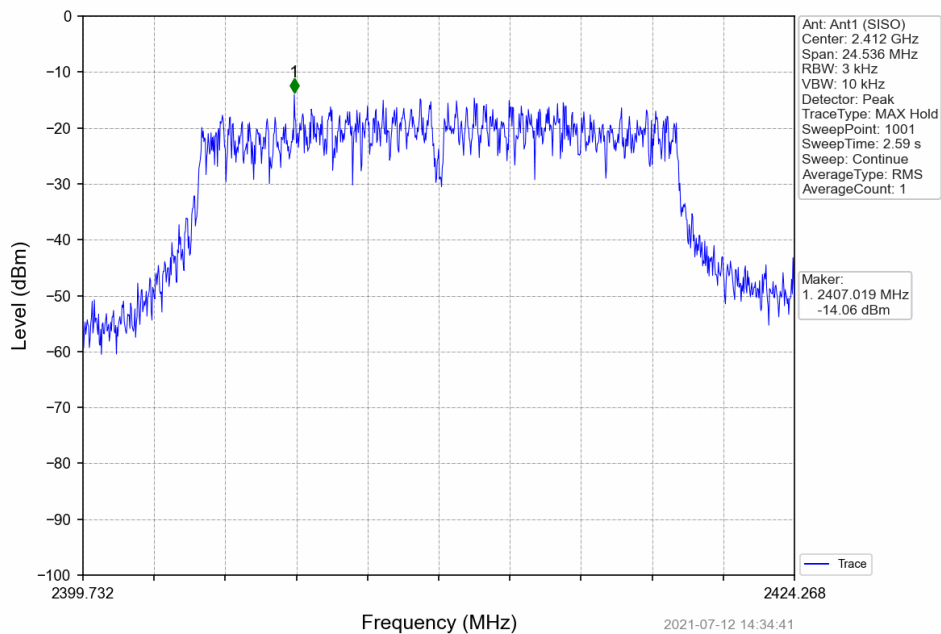
3.1.2 Test Graph



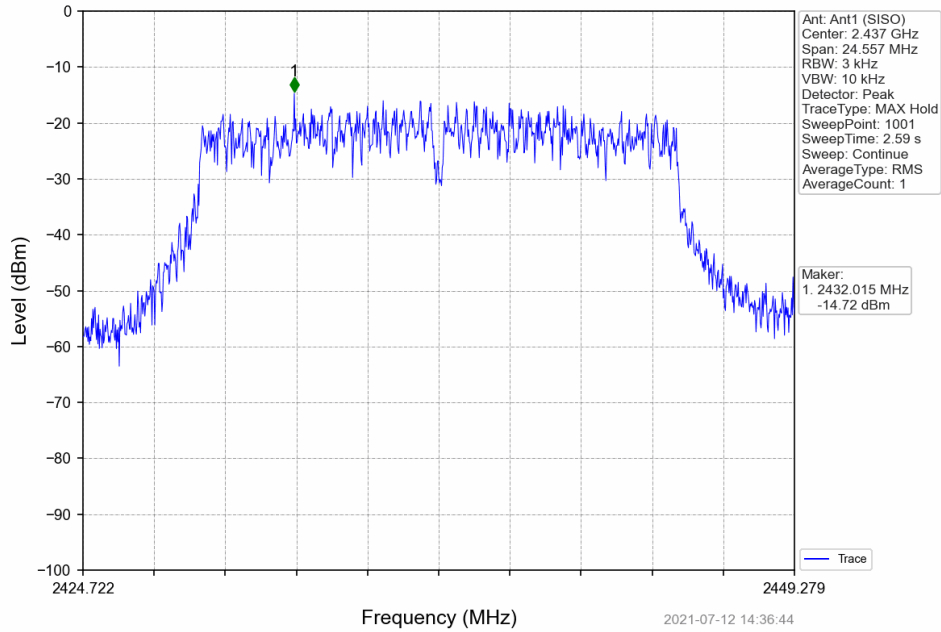
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



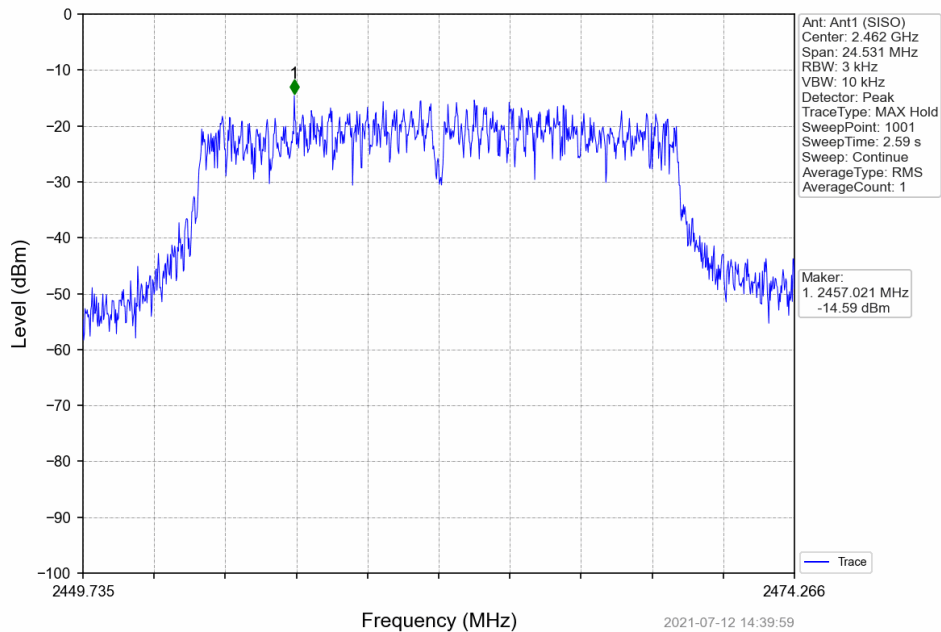
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

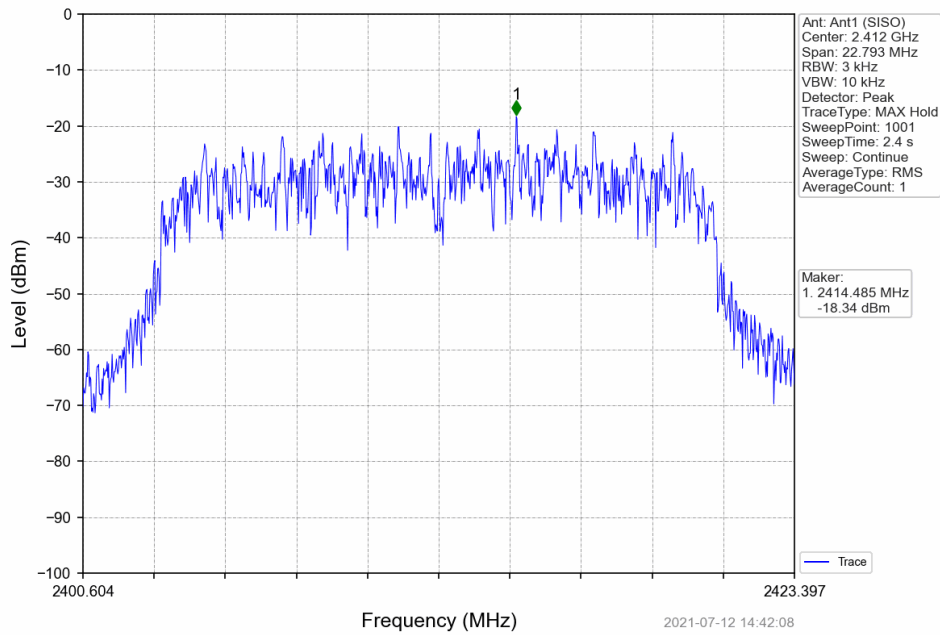


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

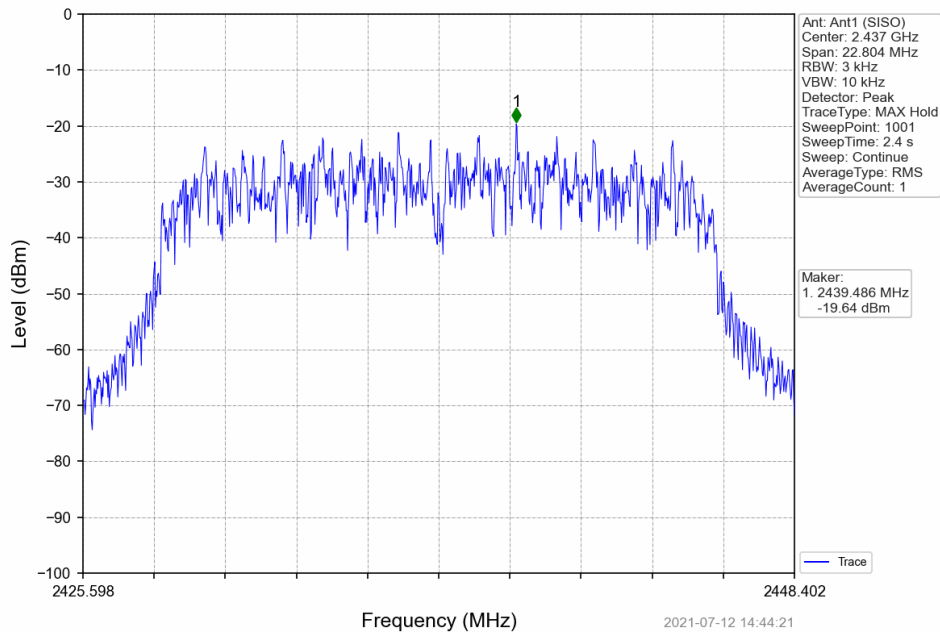


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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



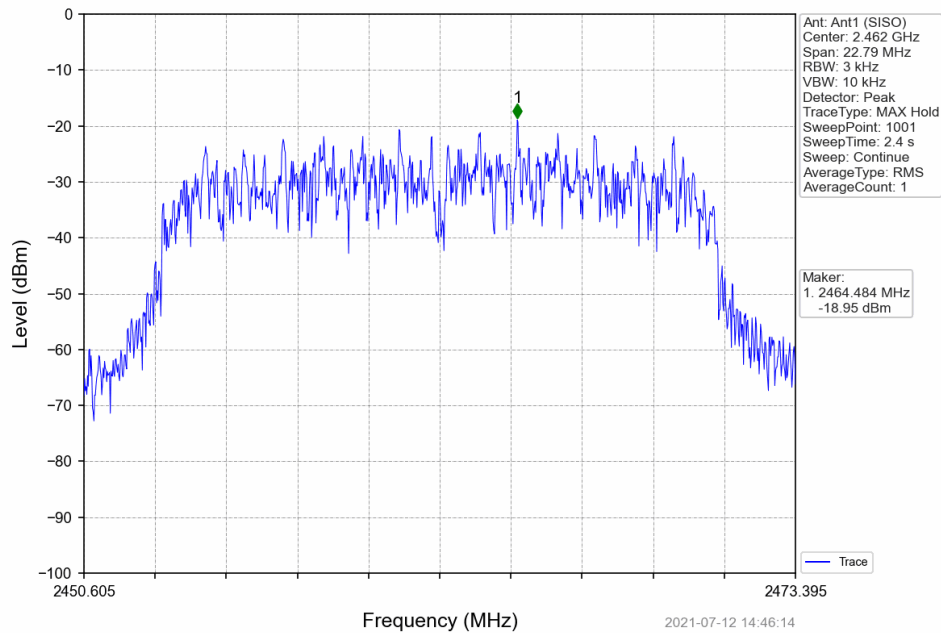
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



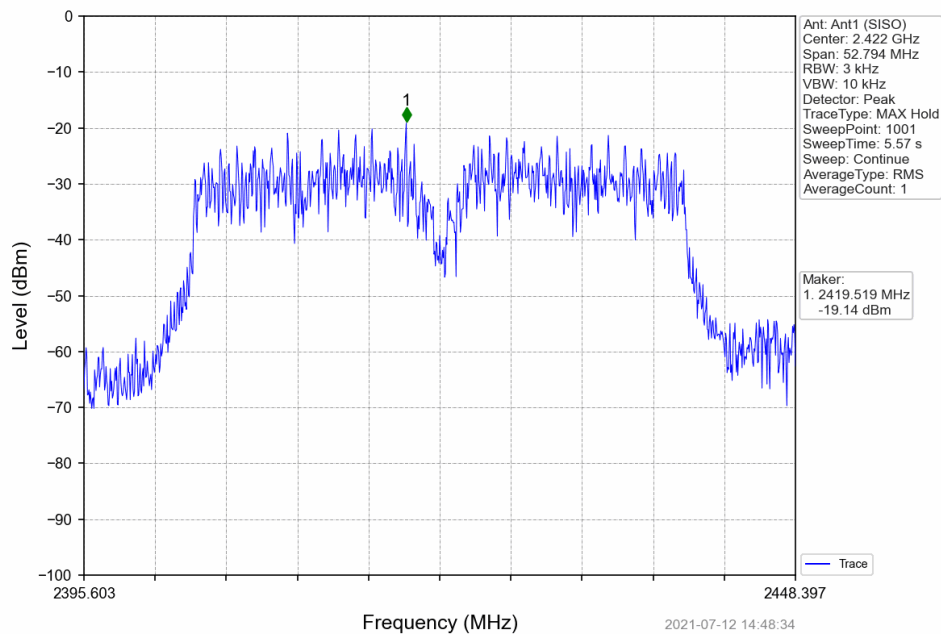
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 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

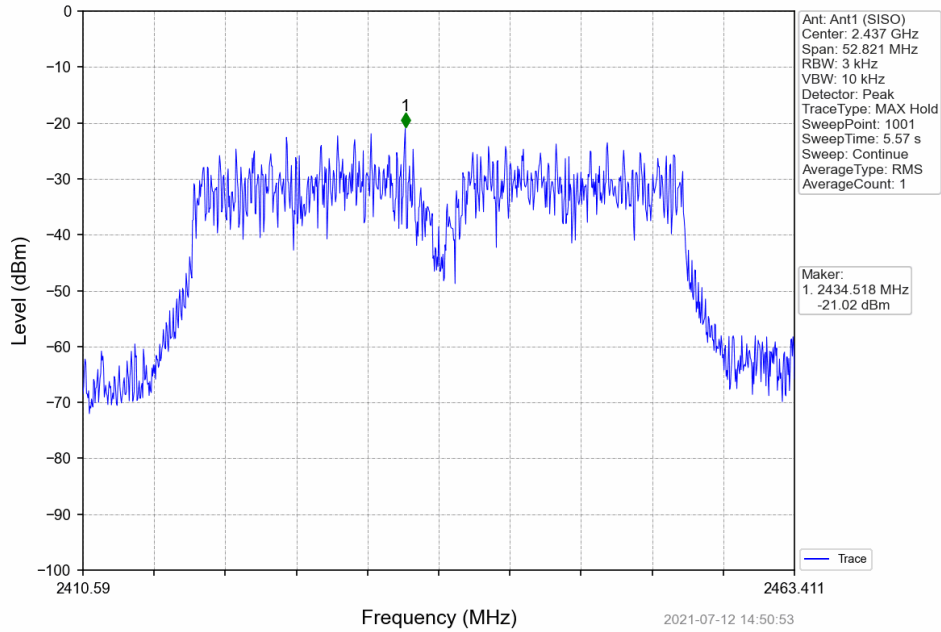


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

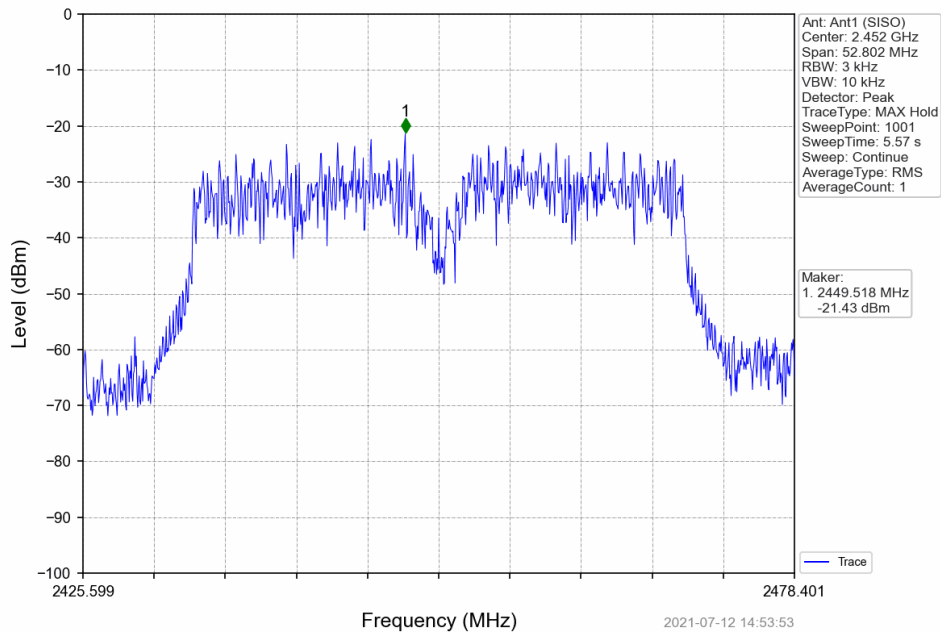


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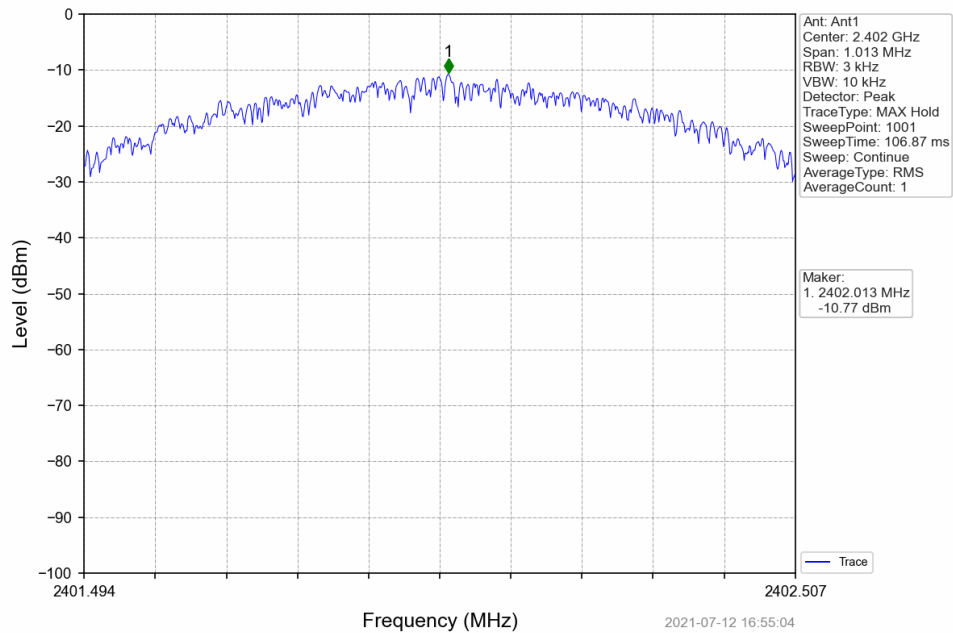
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



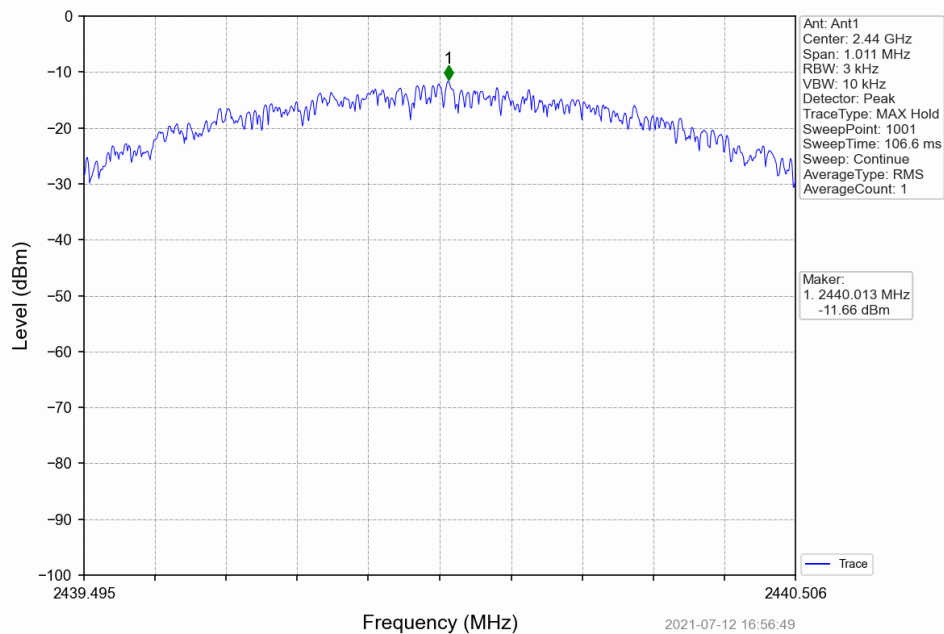
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



BLE 1M_LCH_2402MHz_DataRate=_Ant1_NTNV

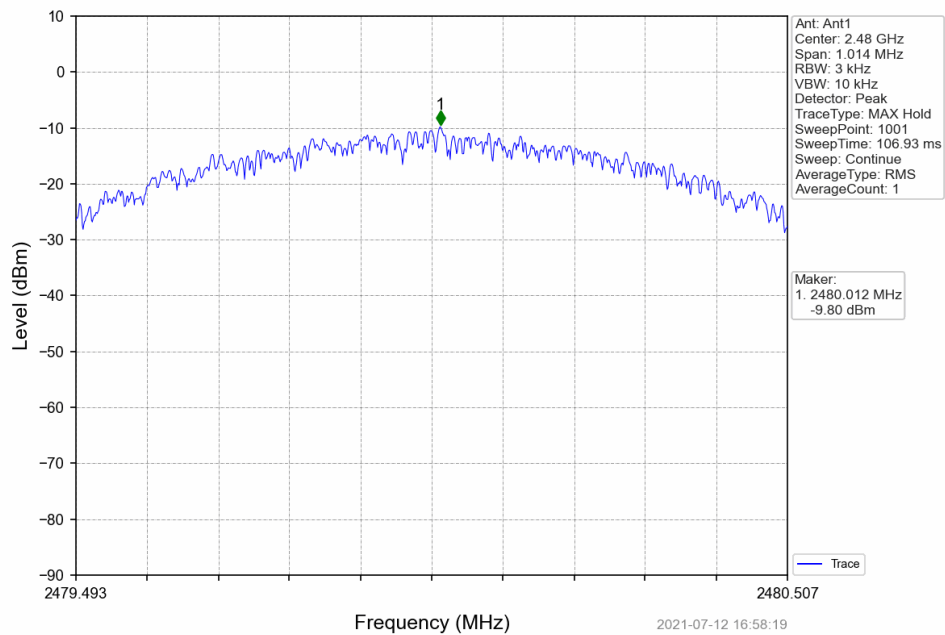


BLE 1M_MCH_2440MHz_DataRate=_Ant1_NTNV



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BLE 1M_HCH_2480MHz_DataRate=_Ant1_NTNV



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4. Unwanted Emissions In Non-restricted Frequency Bands

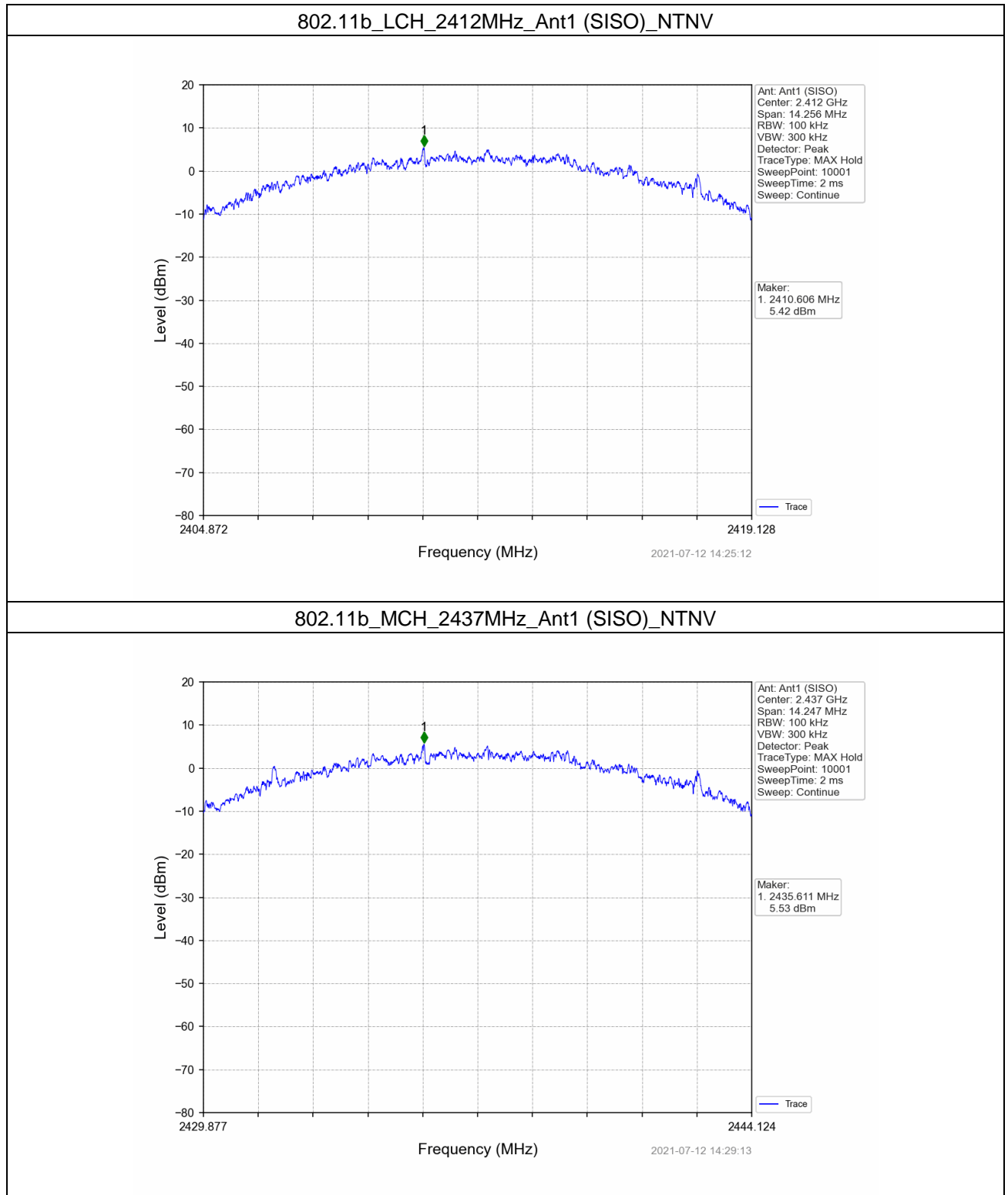
4.1 Ref

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
802.11b	SISO	2412	1	5.42
		2437	1	5.53
		2462	1	6.11
802.11g	SISO	2412	1	2.53
		2437	1	1.27
		2462	1	1.91
802.11n (HT20)	SISO	2412	1	1.01
		2437	1	-0.20
		2462	1	0.42
802.11n (HT40)	SISO	2422	1	-2.14
		2437	1	-4.43
		2452	1	-4.01
BLE 1M	SISO	2402	1	3.81
		2440	1	2.81
		2480	1	4.59

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.

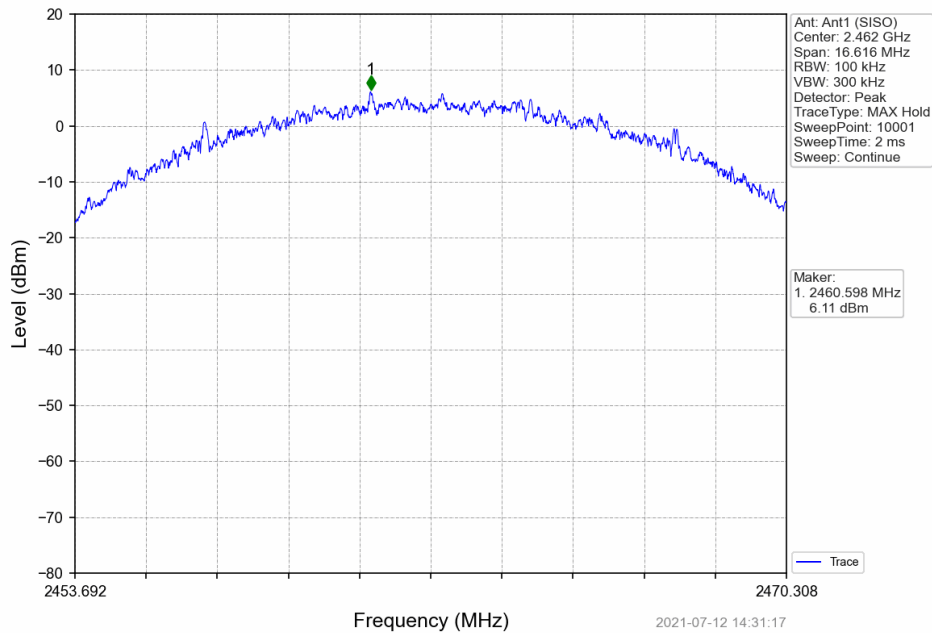
5.1.2 Test Graph



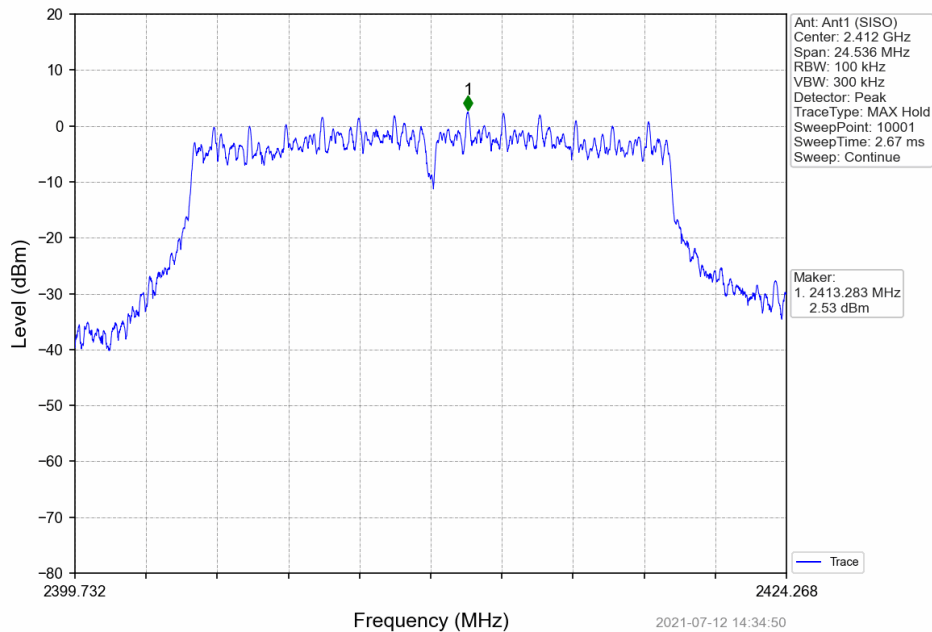
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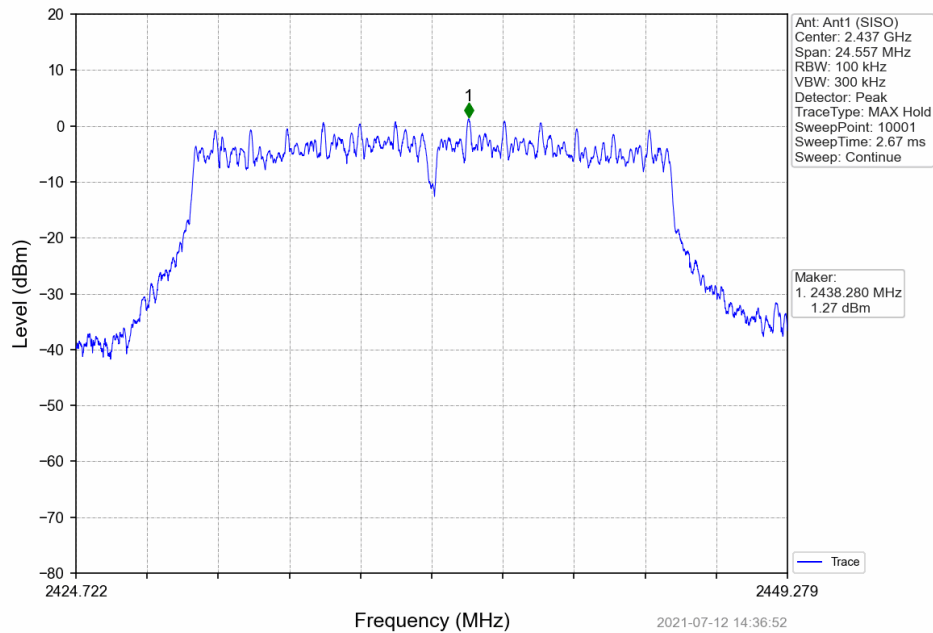
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



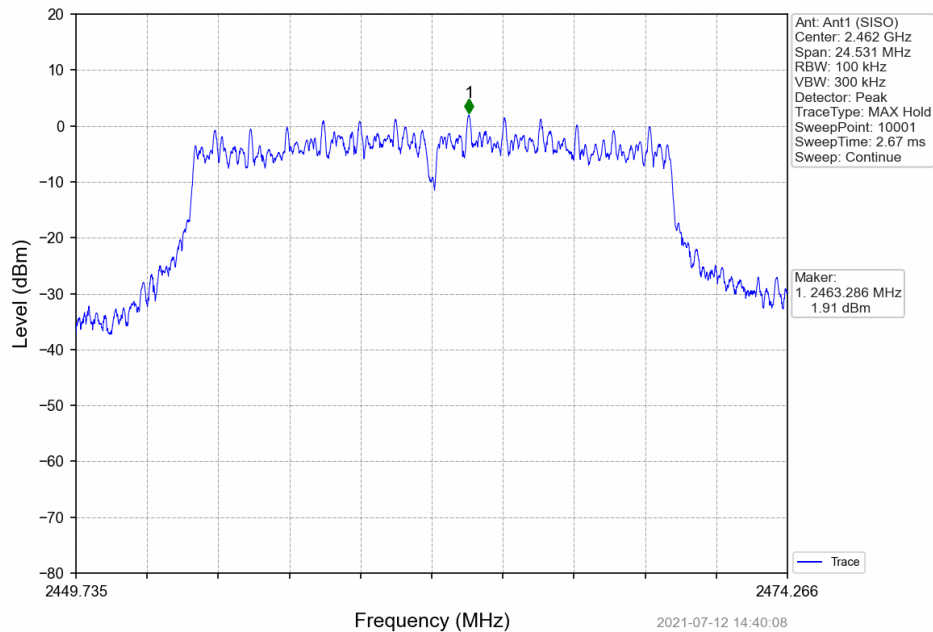
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



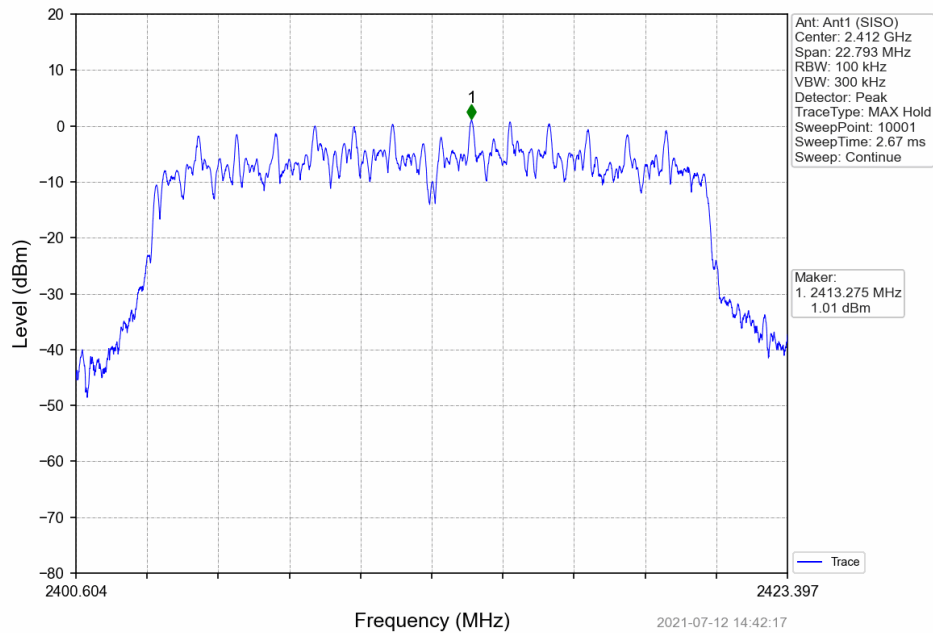
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



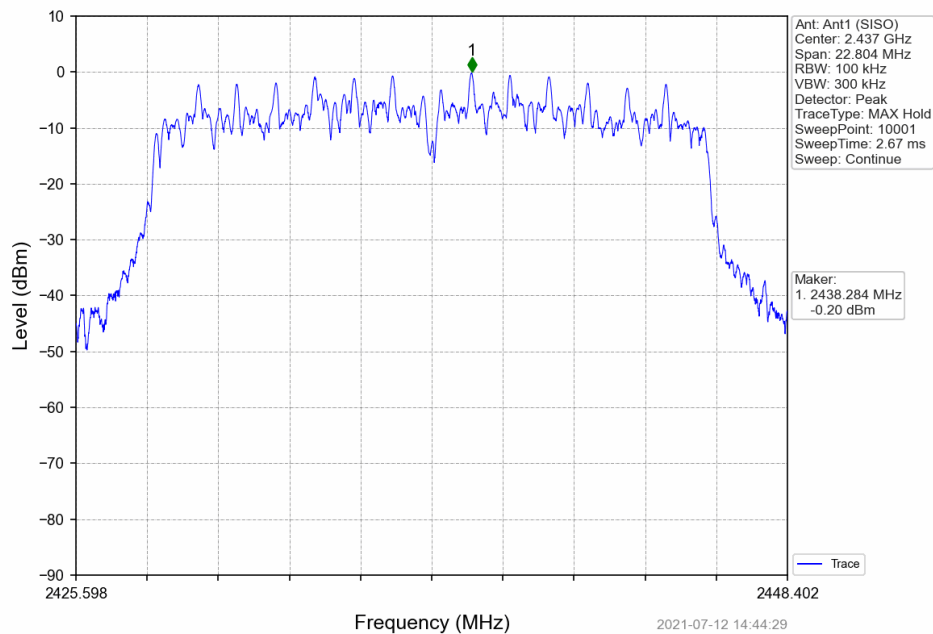
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



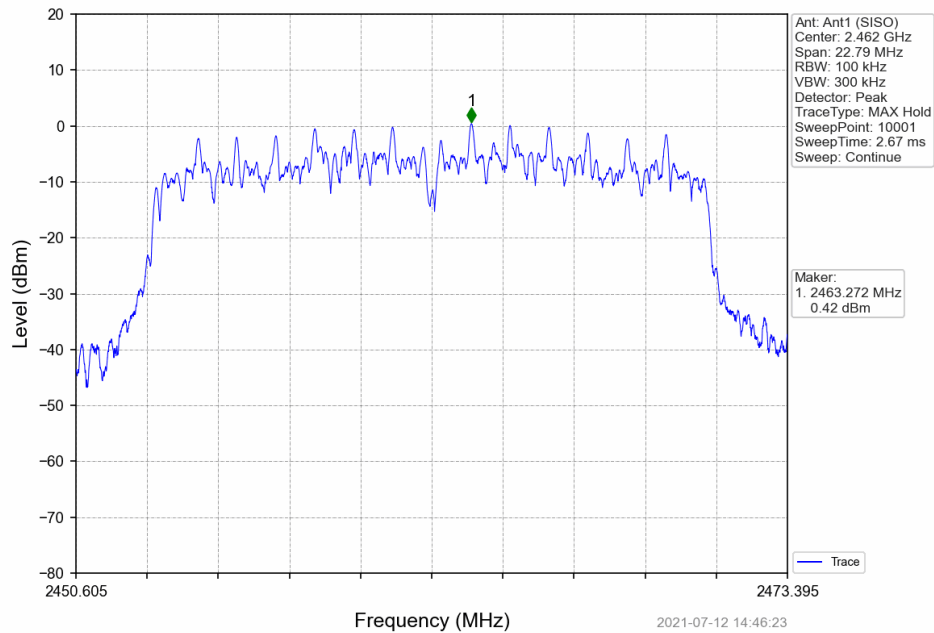
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



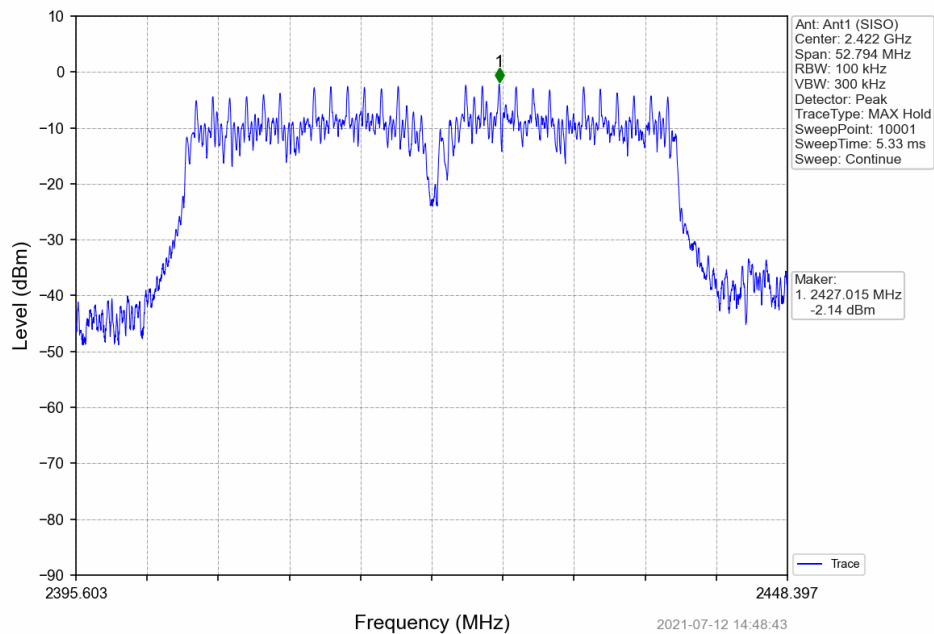
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



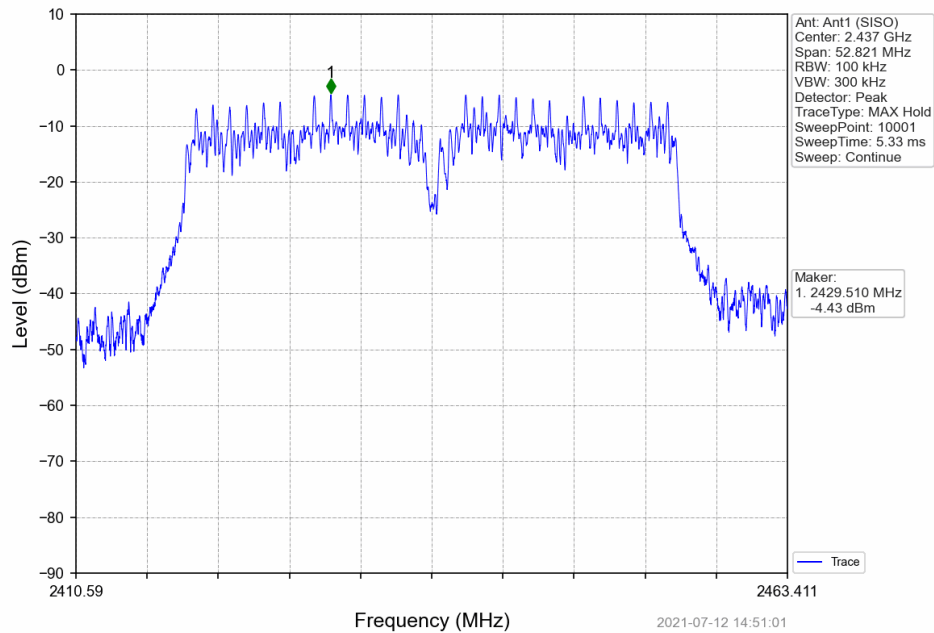
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



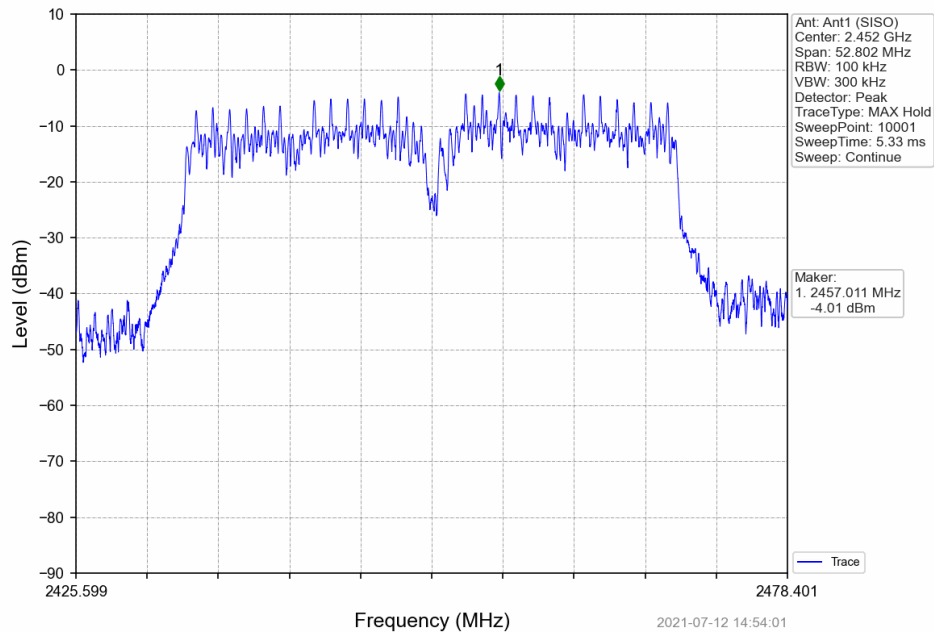
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



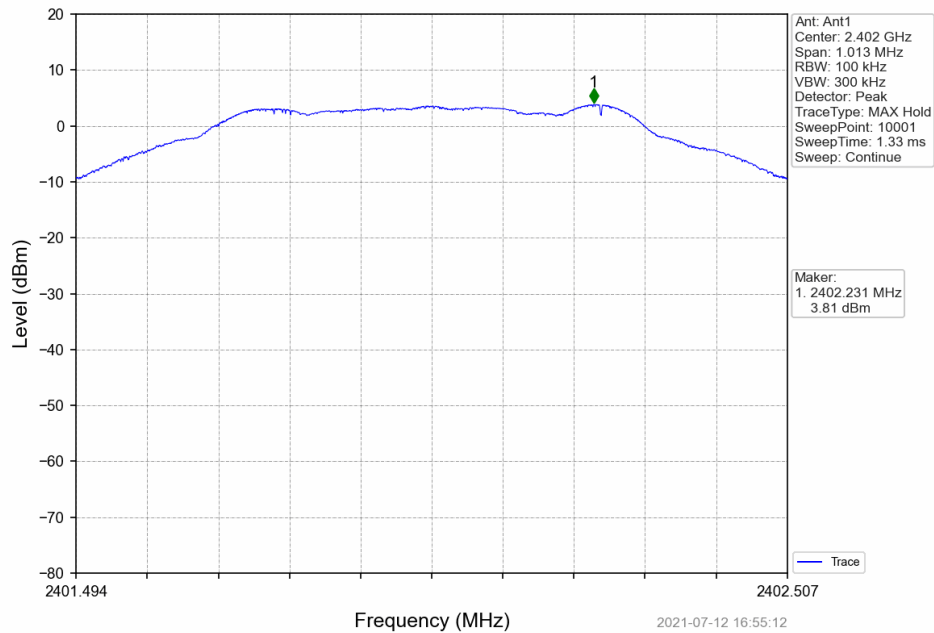
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



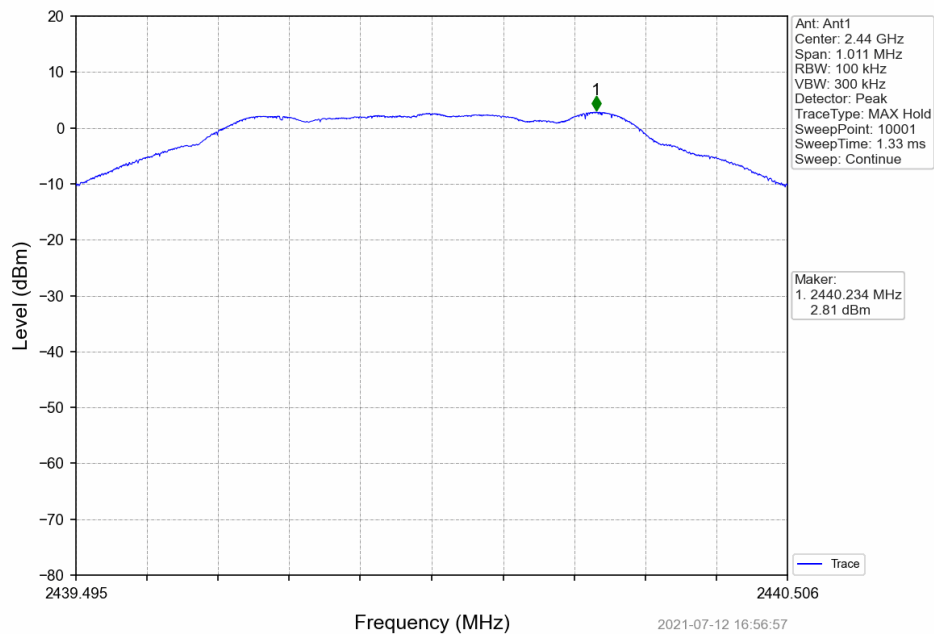
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



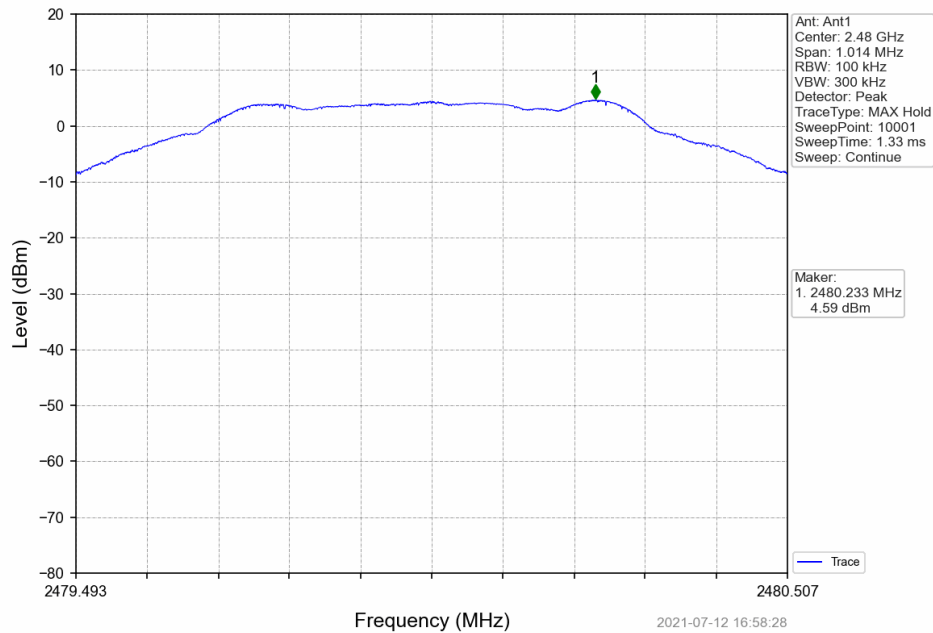
BLE 1M_LCH_2402MHz_DataRate=_Ant1_NTNV



BLE 1M_MCH_2440MHz_DataRate=_Ant1_NTNV



BLE 1M_HCH_2480MHz_DataRate=_Ant1_NTNV



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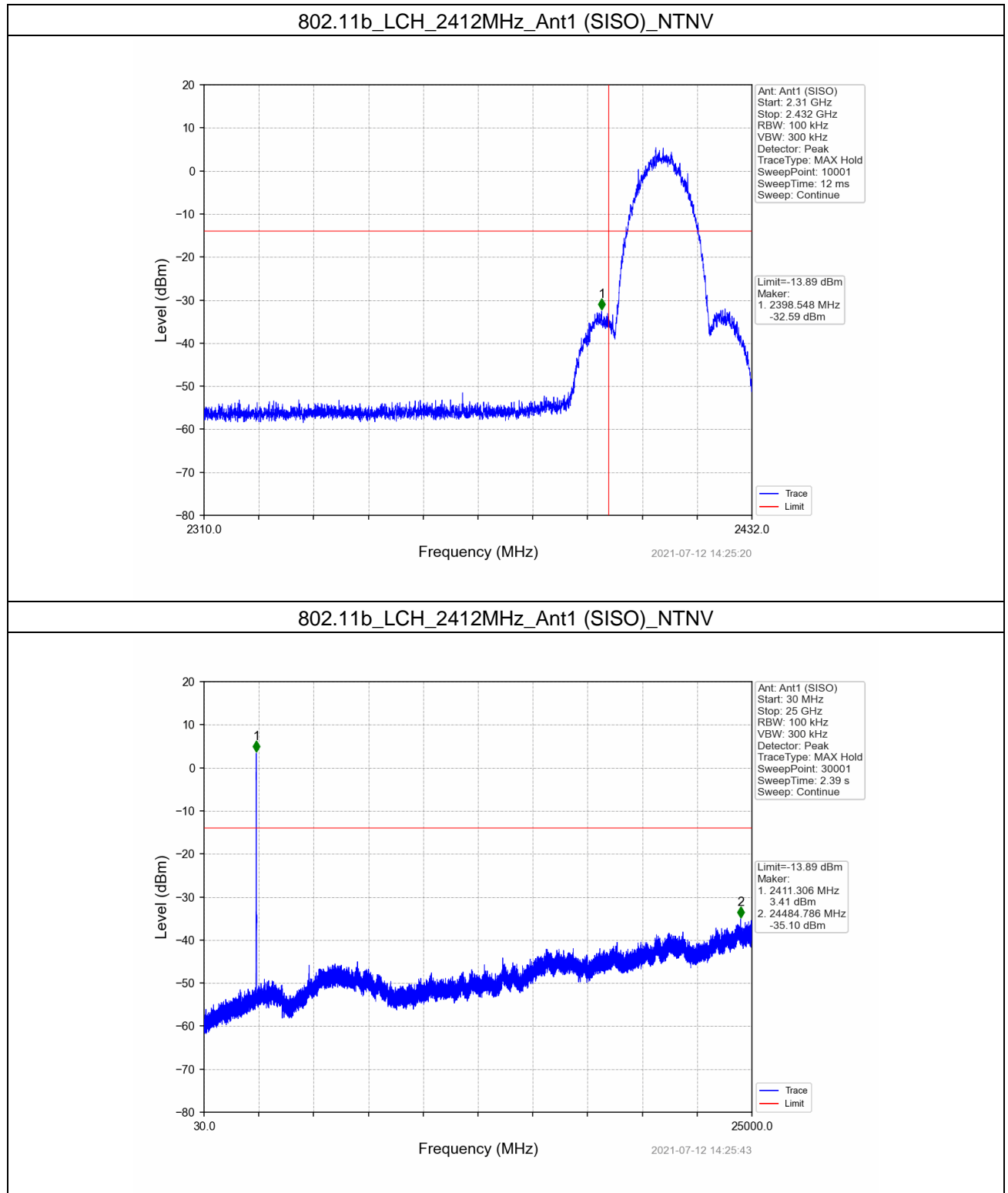
4.2 CSE

4.2.1 Test Result

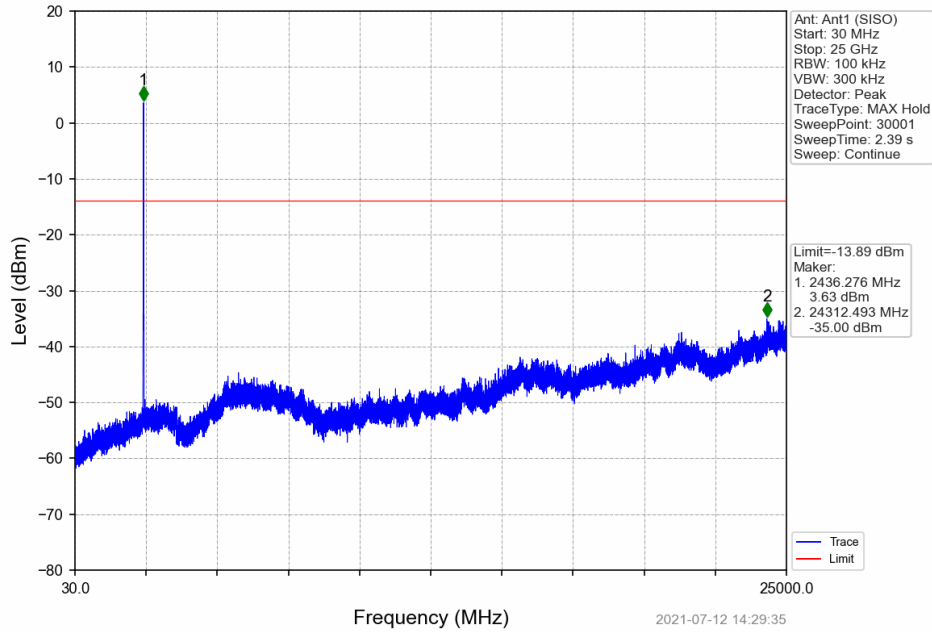
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	6.11	-13.89	Pass
		2437	1	6.11	-13.89	Pass
		2462	1	6.11	-13.89	Pass
802.11g	SISO	2412	1	2.53	-17.47	Pass
		2437	1	2.53	-17.47	Pass
		2462	1	2.53	-17.47	Pass
802.11n (HT20)	SISO	2412	1	1.01	-18.99	Pass
		2437	1	1.01	-18.99	Pass
		2462	1	1.01	-18.99	Pass
802.11n (HT40)	SISO	2422	1	-2.14	-22.14	Pass
		2437	1	-2.14	-22.14	Pass
		2452	1	-2.14	-22.14	Pass
BLE 1M	SISO	2402	1	4.59	-15.41	Pass
		2440	1	4.59	-15.41	Pass
		2480	1	4.59	-15.41	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.

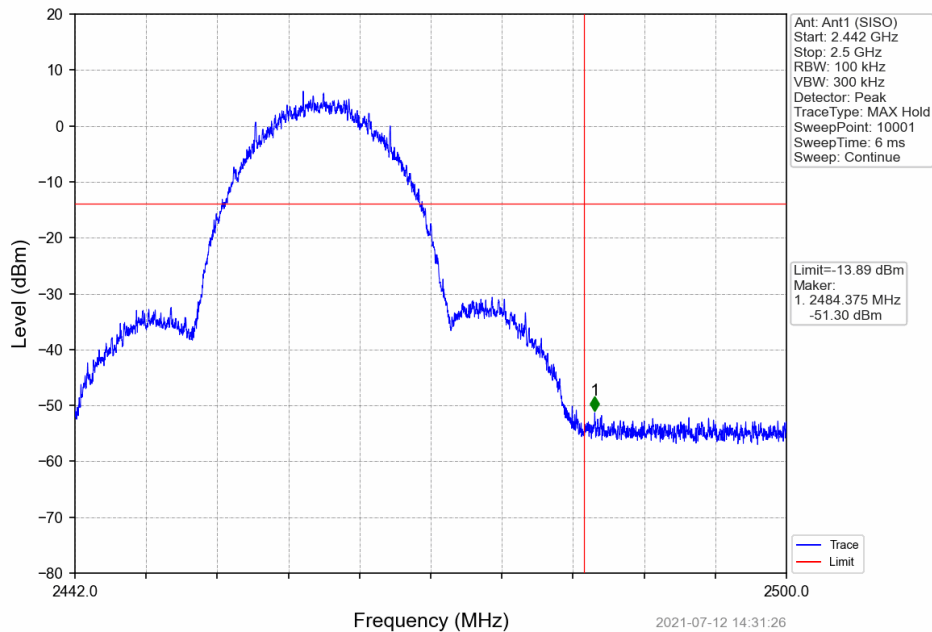
4.2.2 Test Graph



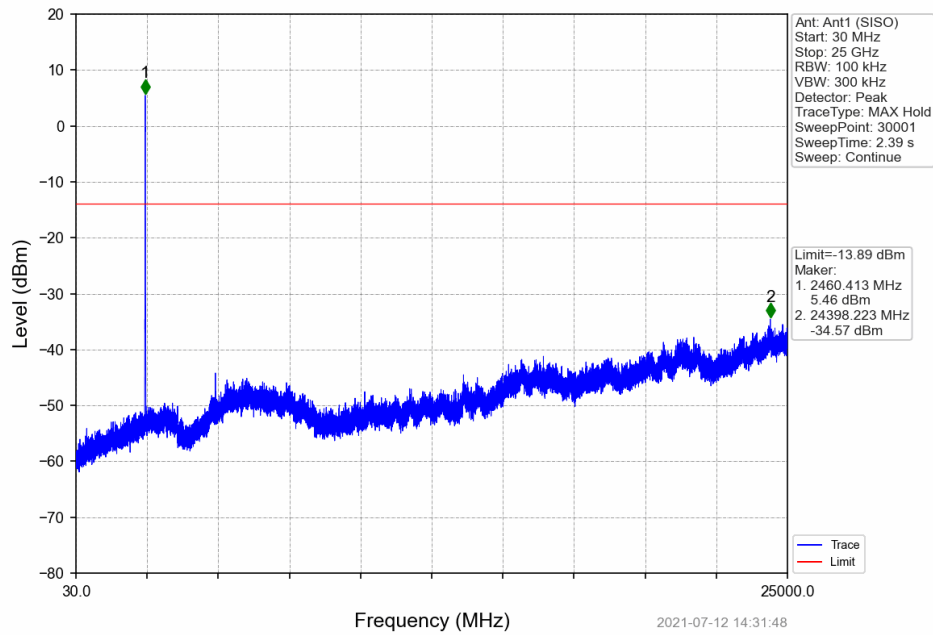
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



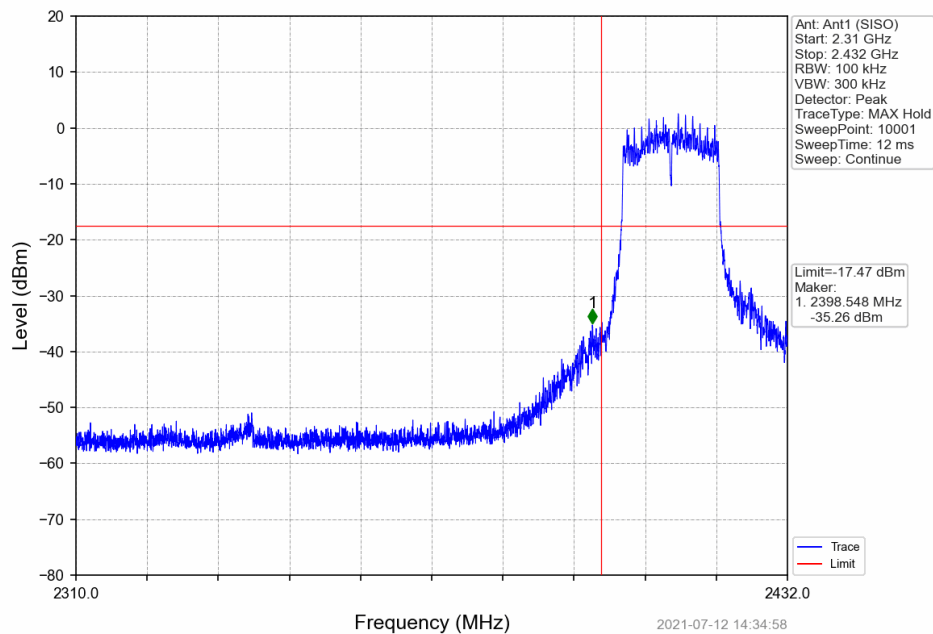
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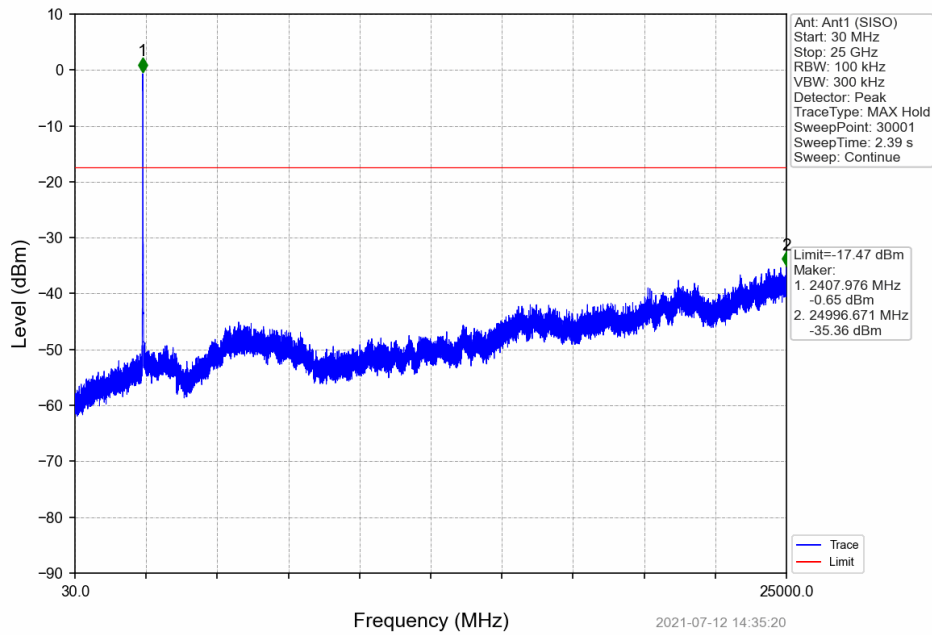
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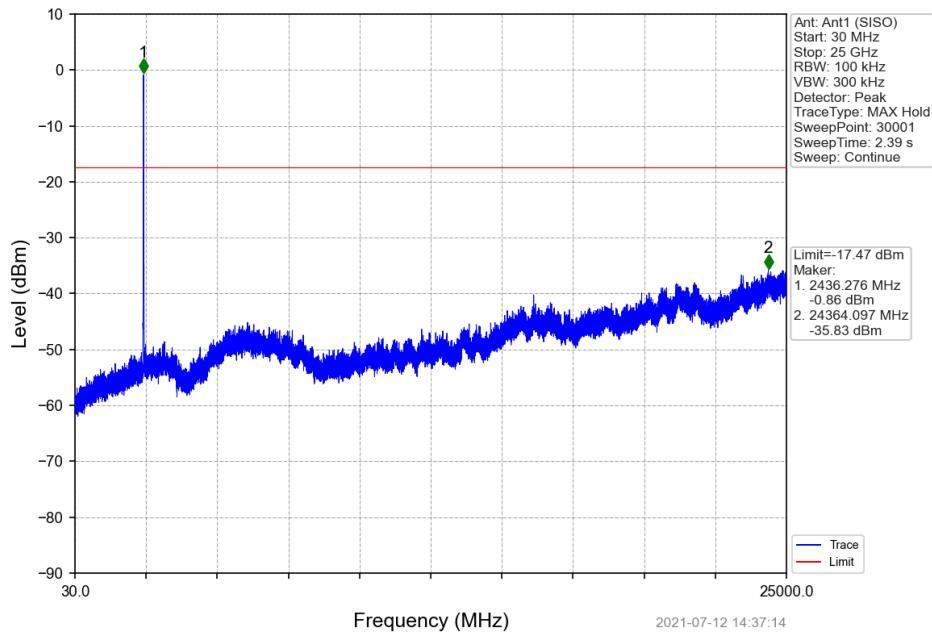
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



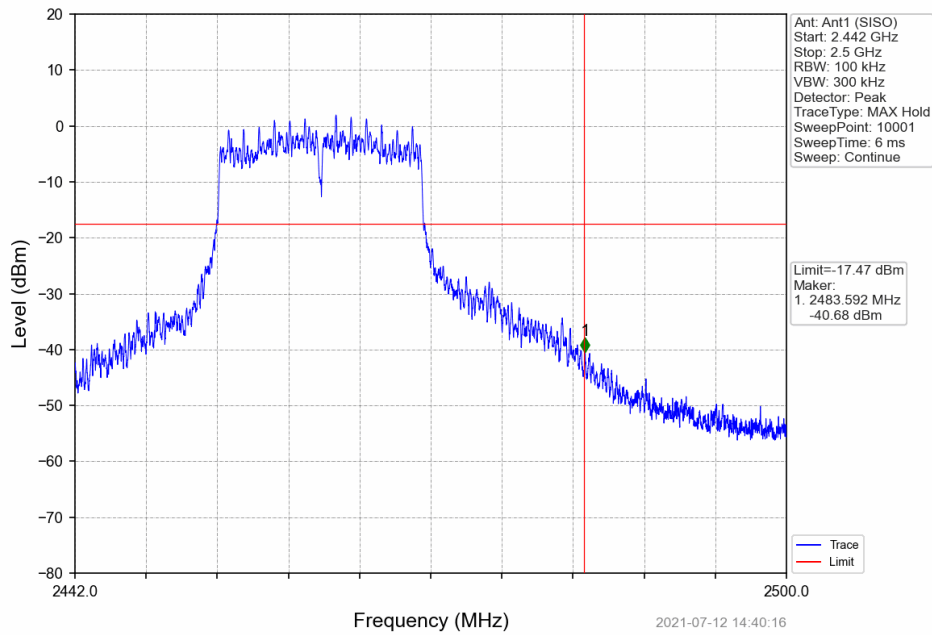
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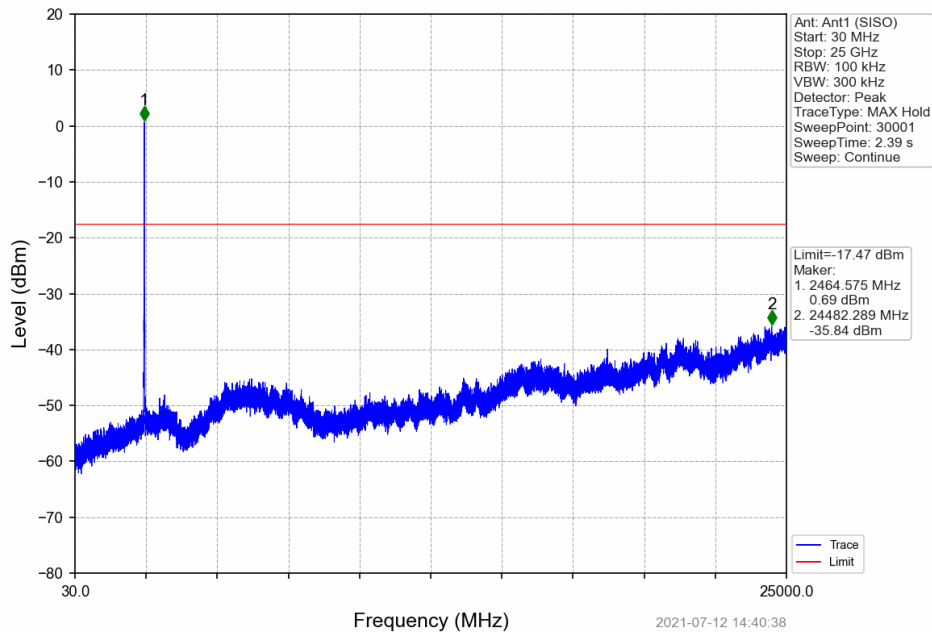
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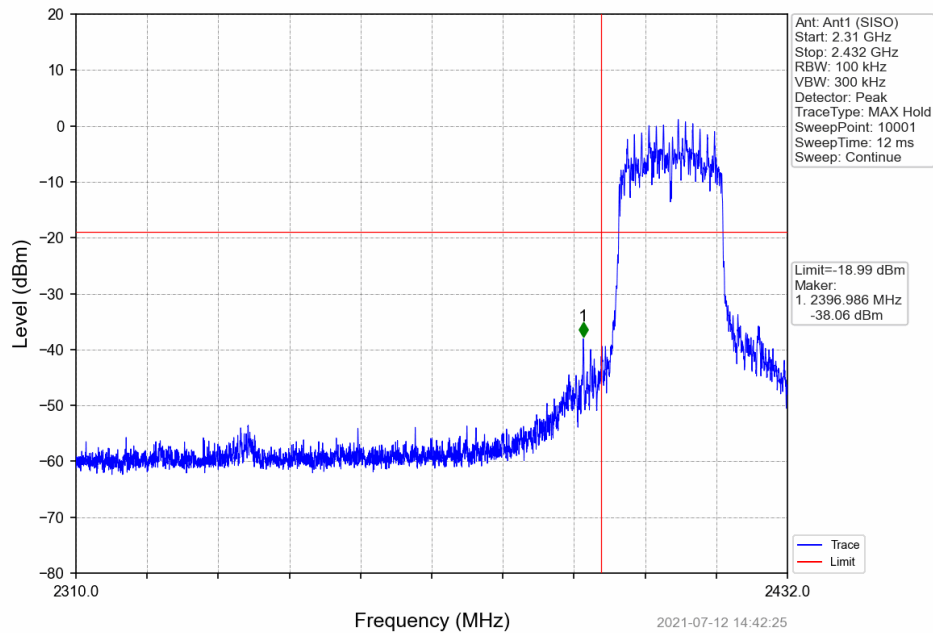
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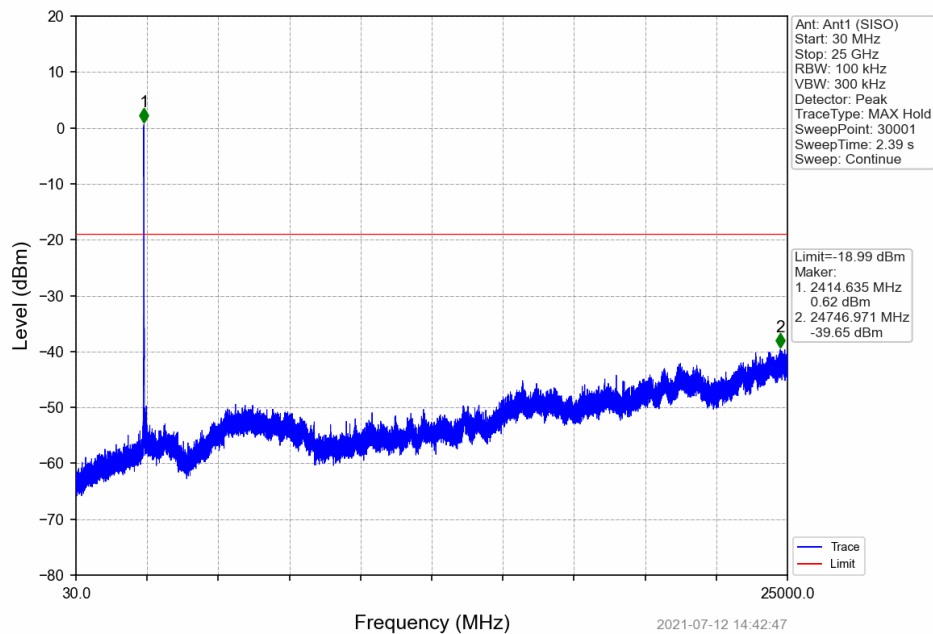
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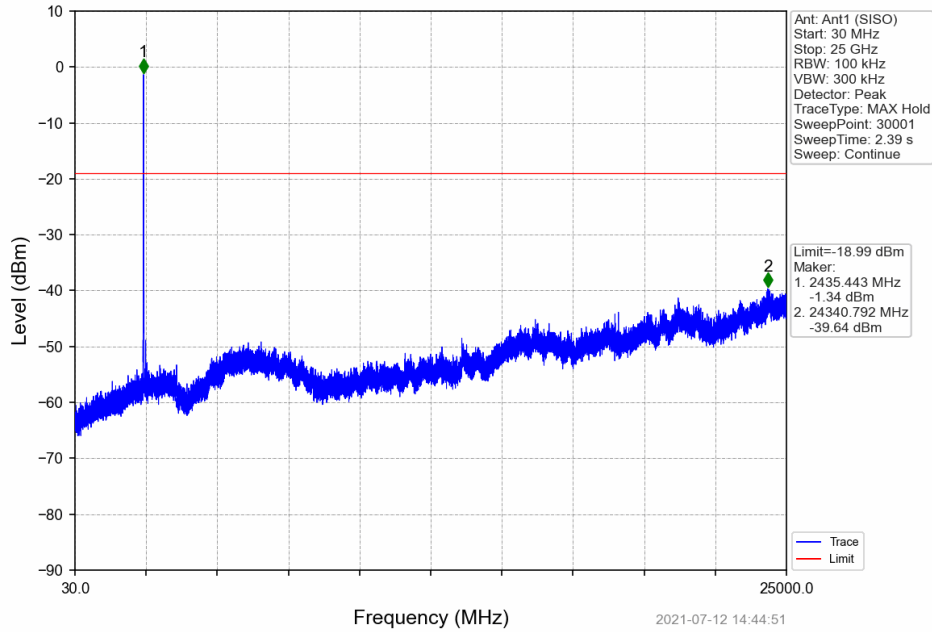
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



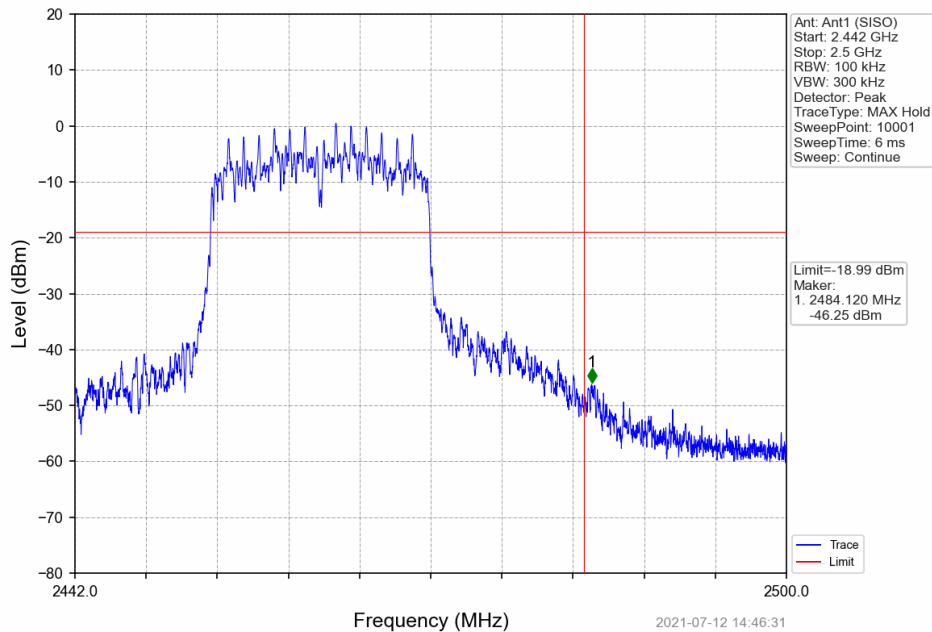
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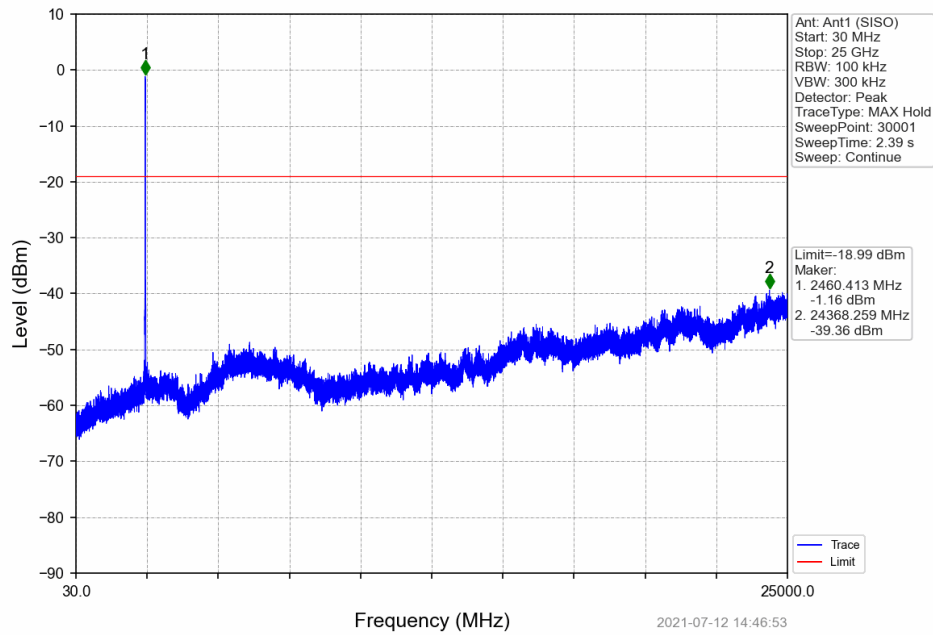
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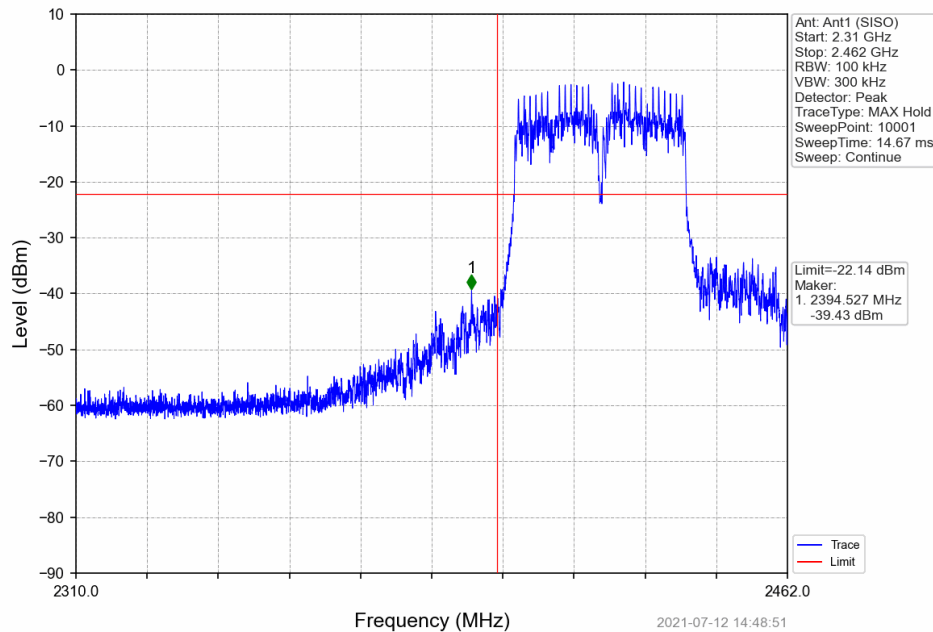
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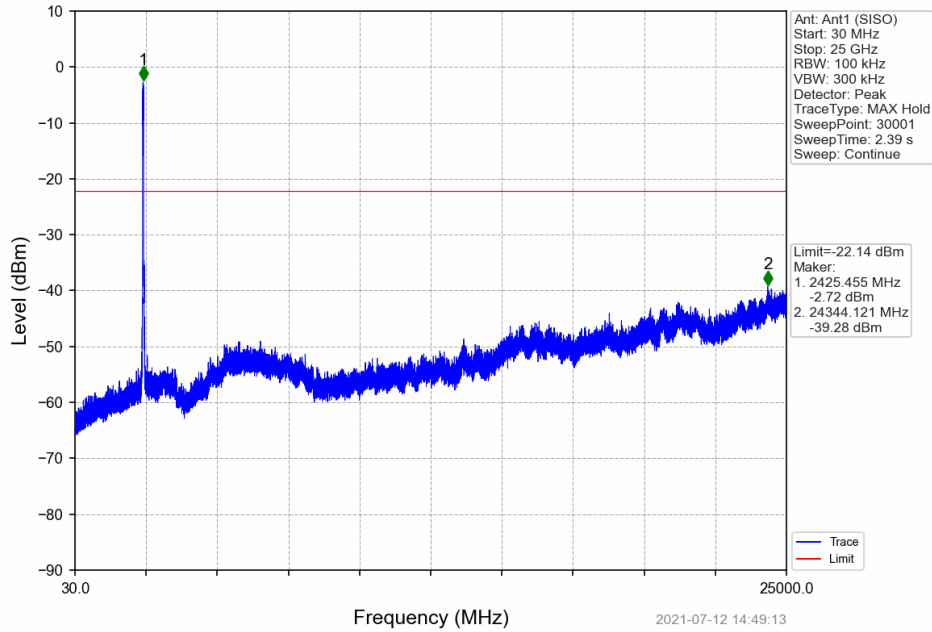
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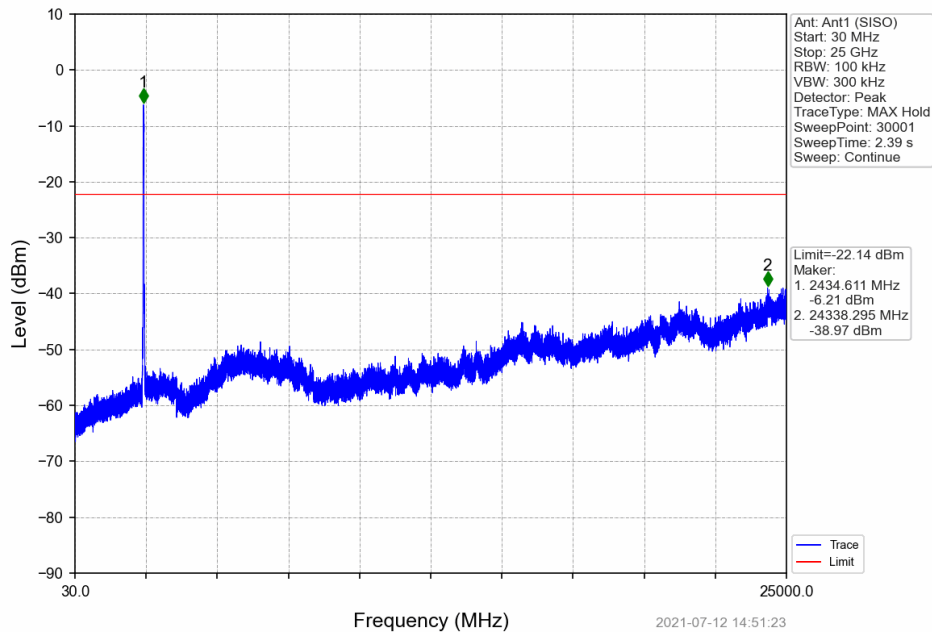
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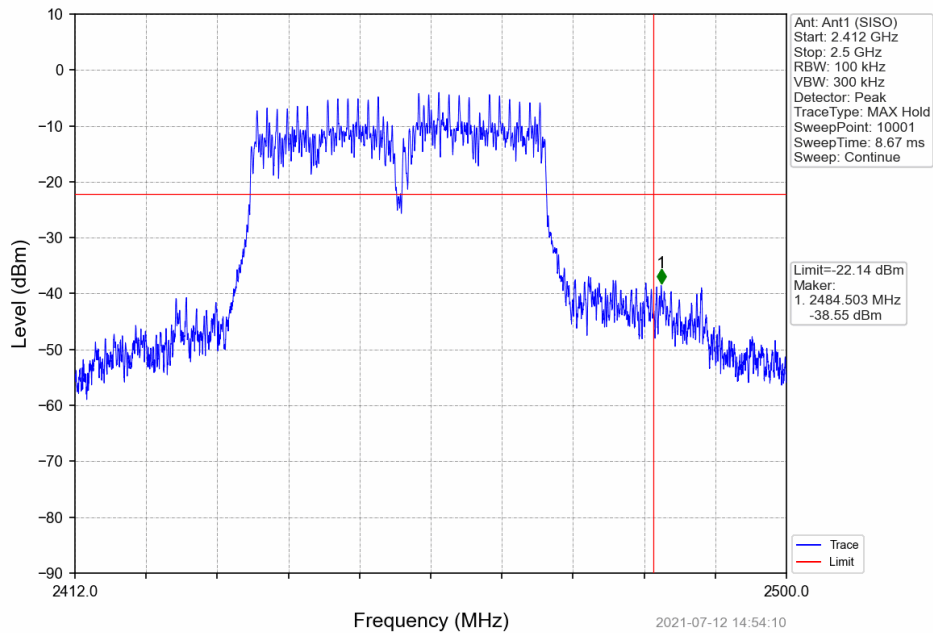
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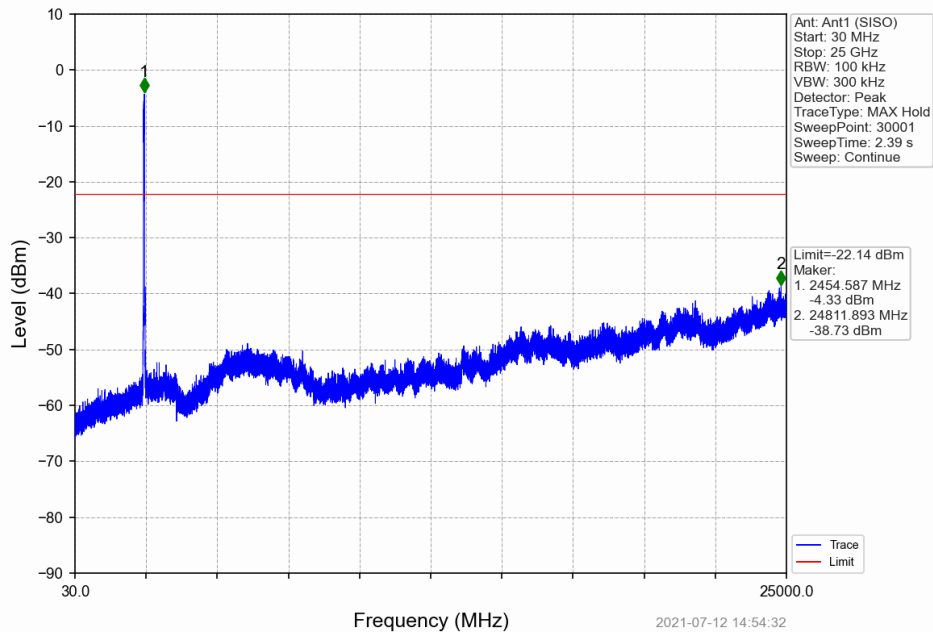
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



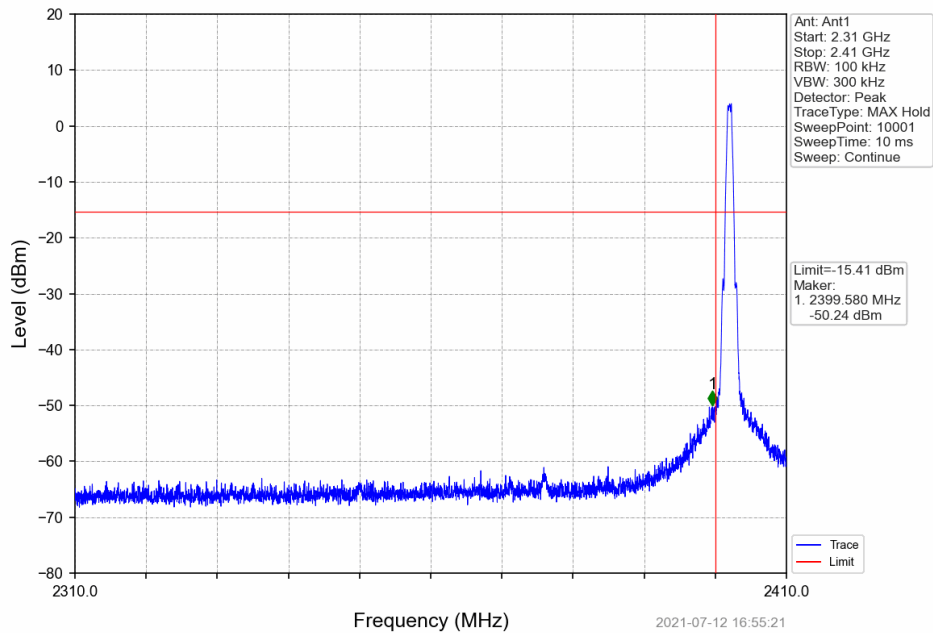
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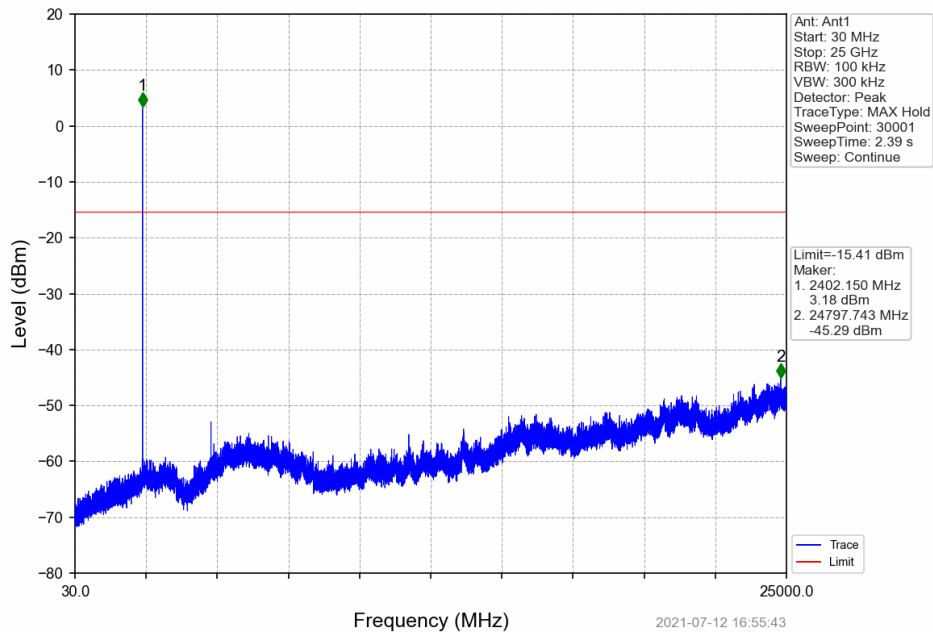
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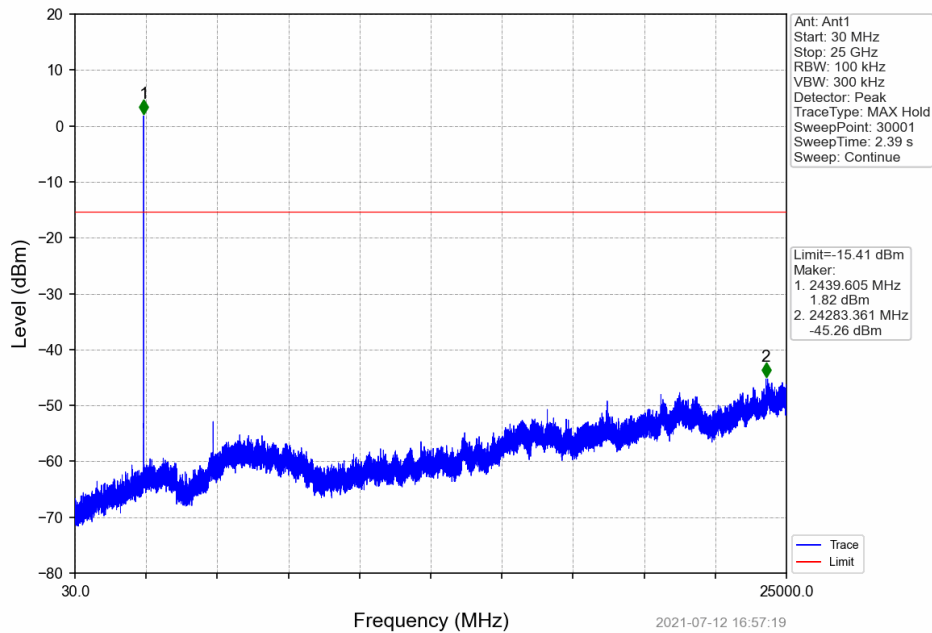
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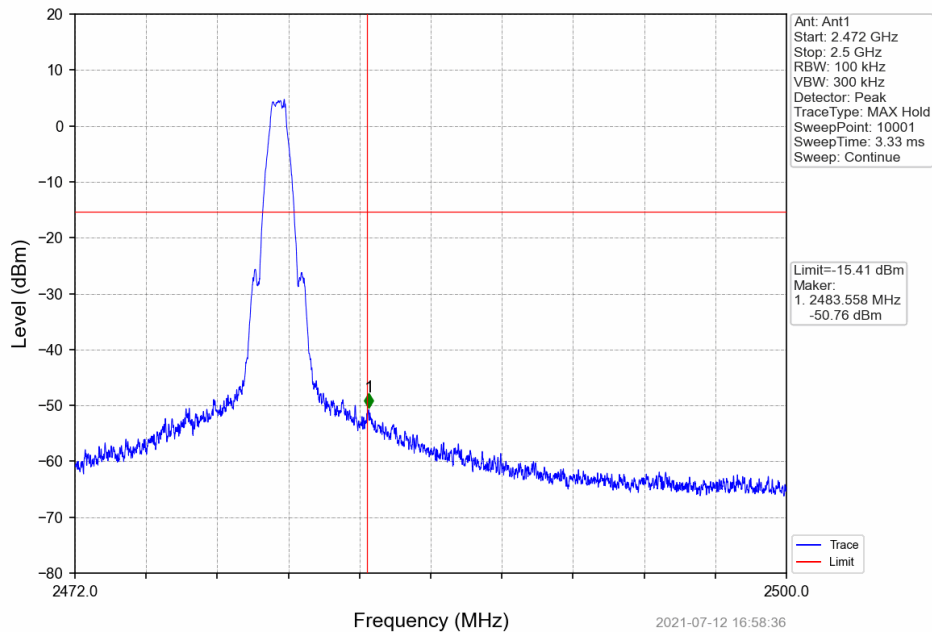
BLE 1M_LCH_2402MHz_DataRate=_Ant1_NTNV

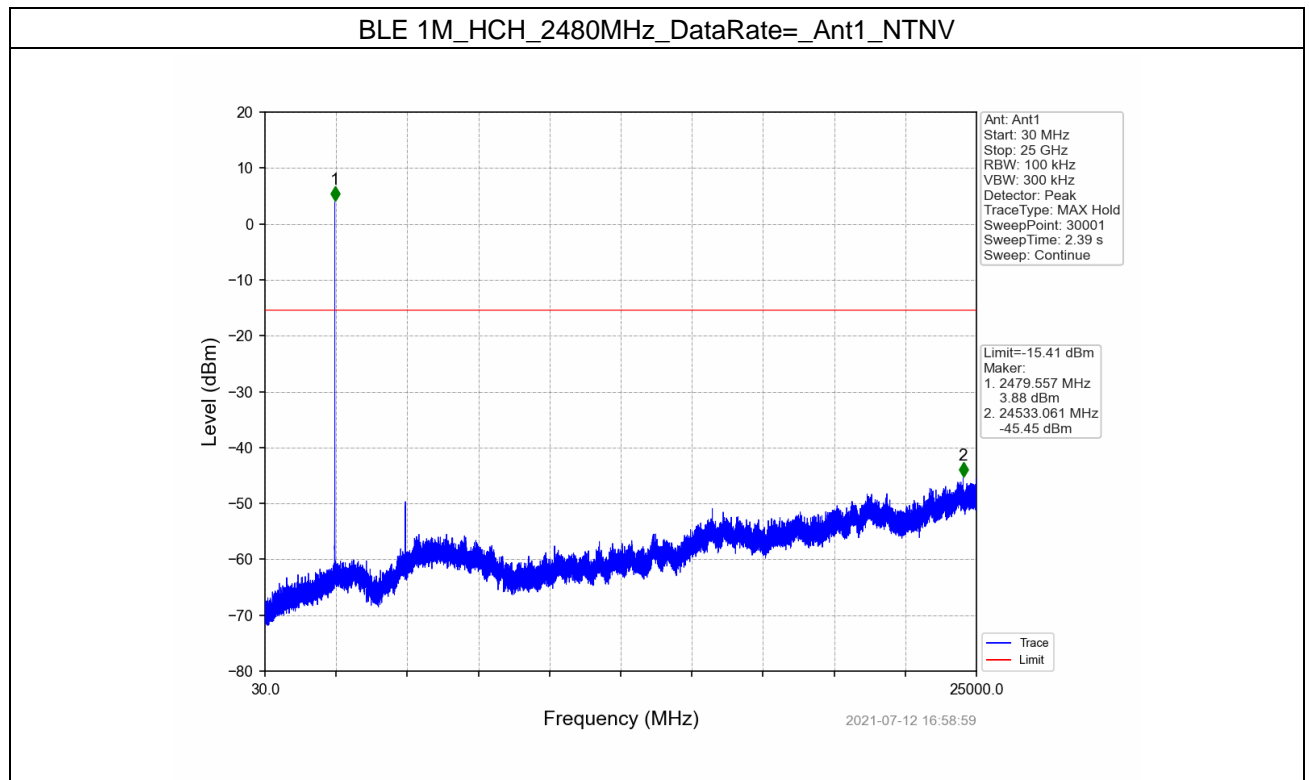


BLE 1M_MCH_2440MHz_DataRate=_Ant1_NTNV



BLE 1M_HCH_2480MHz_DataRate=_Ant1_NTNV





- End of the Report -