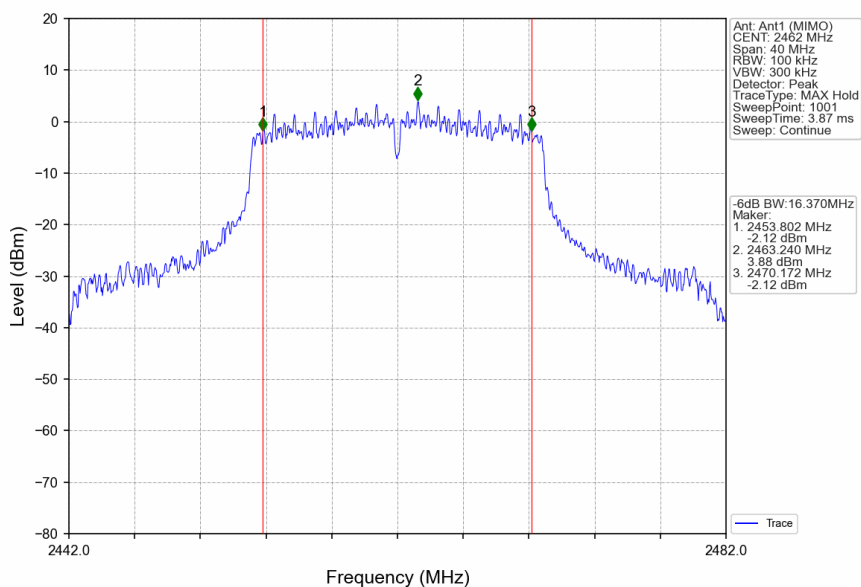
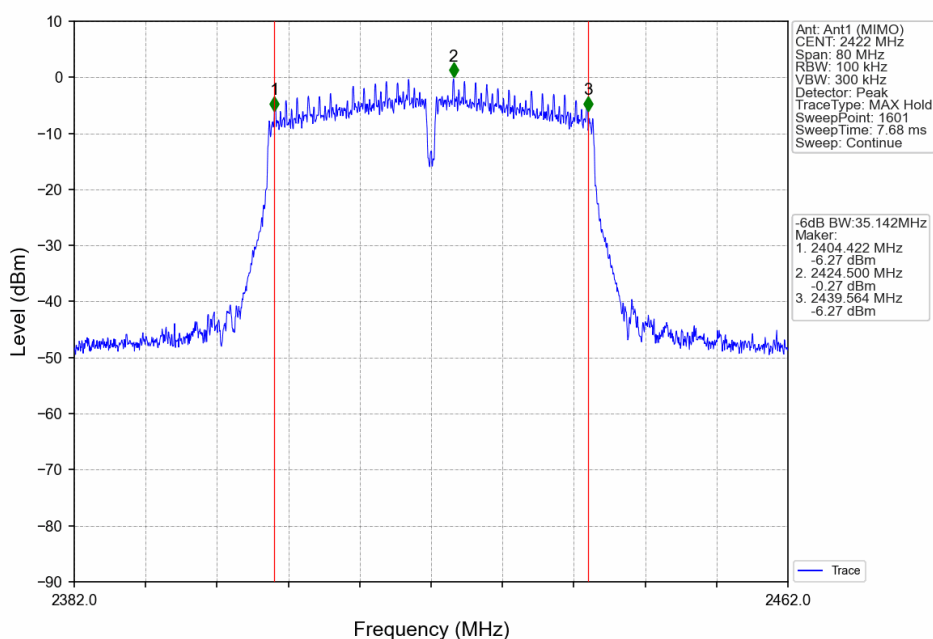


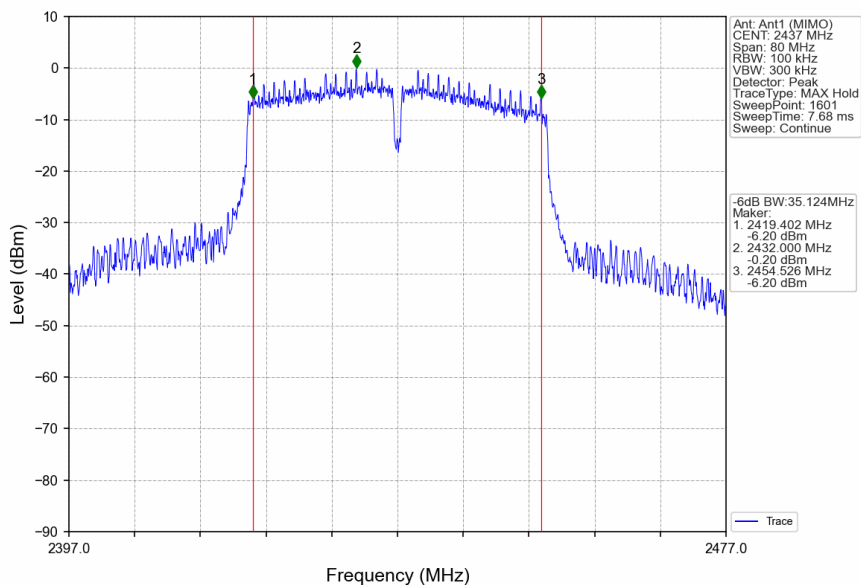
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



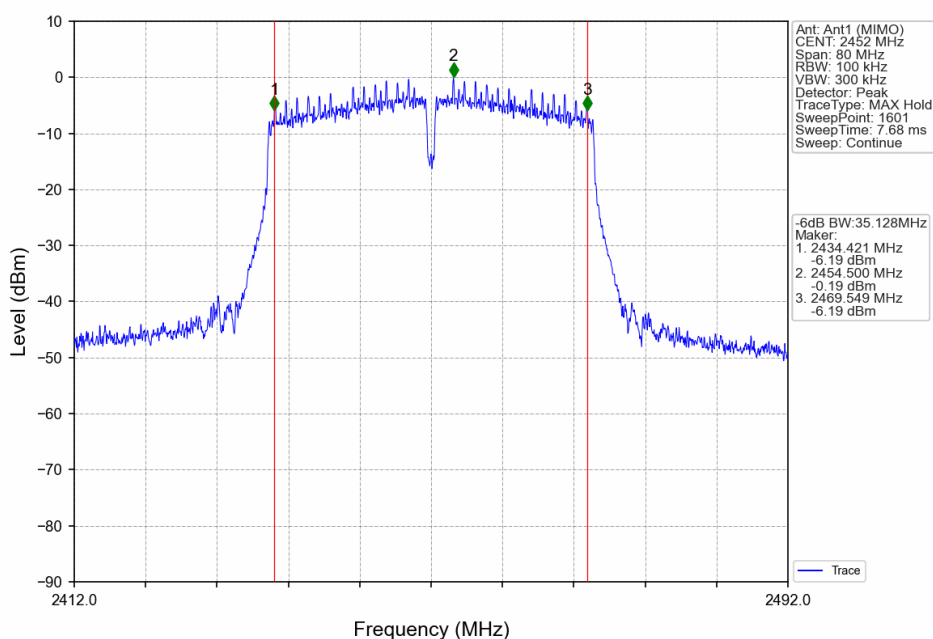
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



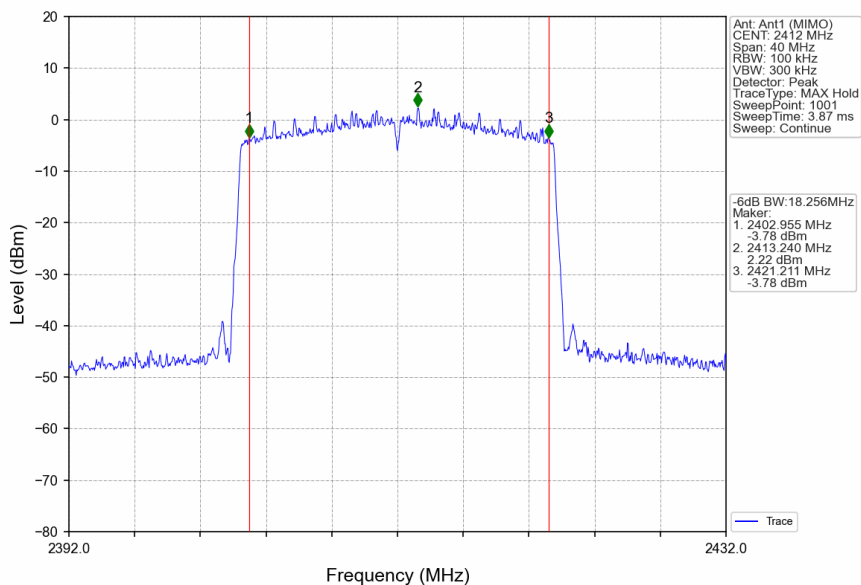
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



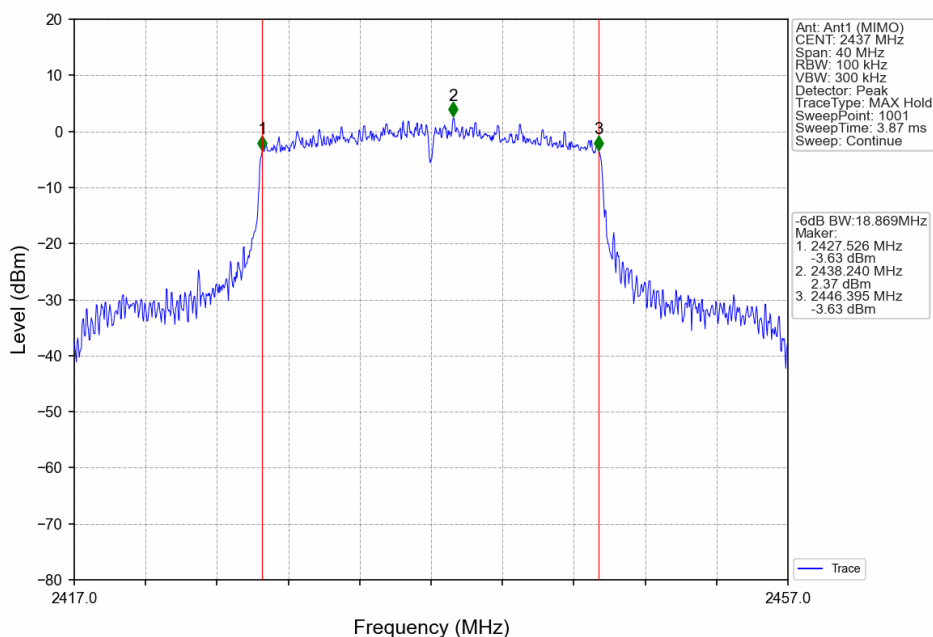
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



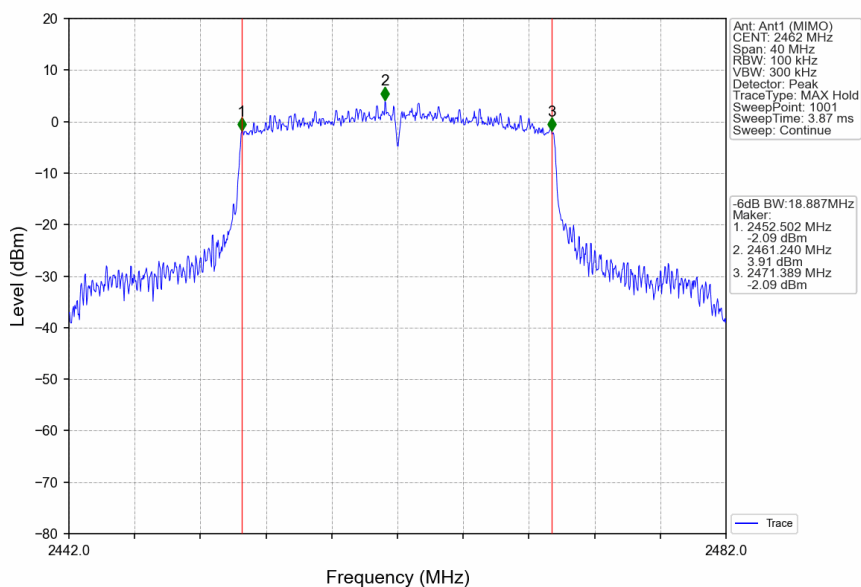
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



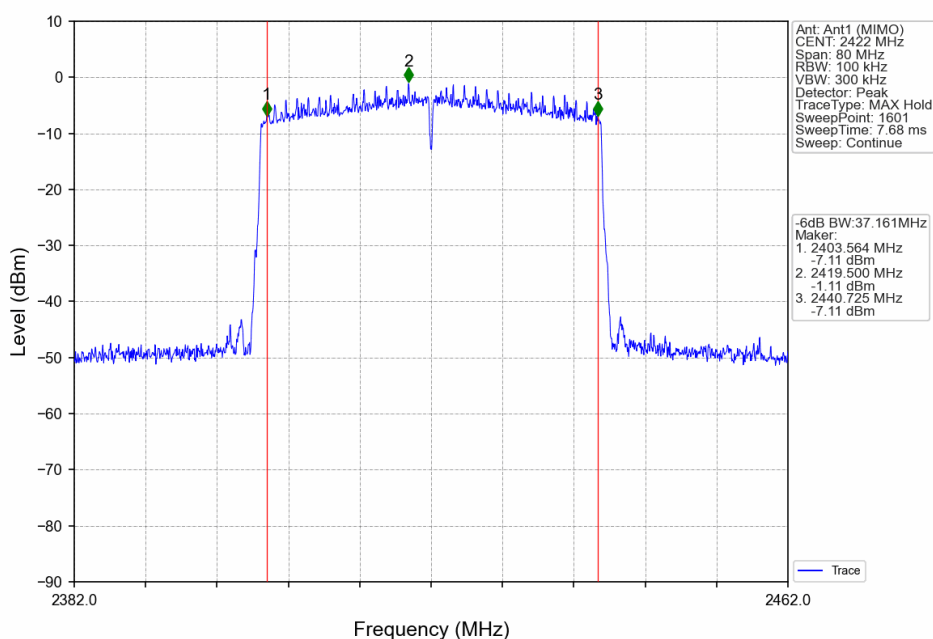
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



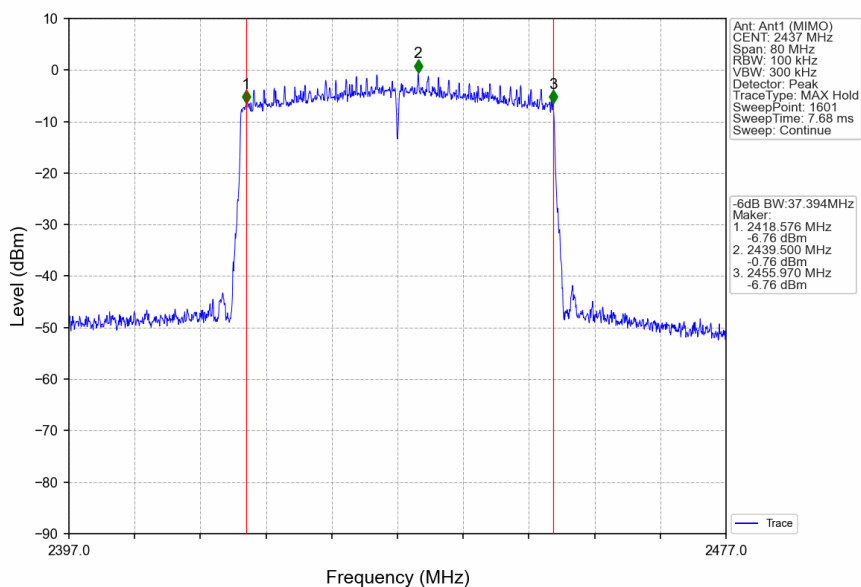
802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



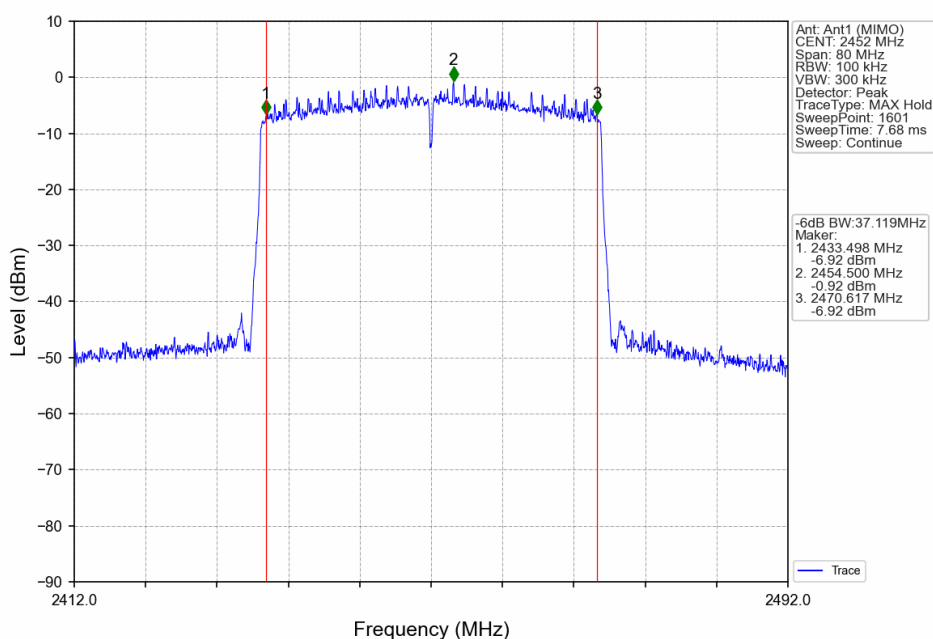
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	MIMO	2412	/	/	15.70	15.39	18.56	<=28.77	Pass
		2437	/	/	15.71	15.37	18.55	<=28.77	Pass
		2462	/	/	15.89	15.54	18.73	<=28.77	Pass
802.11g	MIMO	2412	/	/	12.87	12.75	15.82	<=28.77	Pass
		2437	/	/	13.44	12.80	16.14	<=28.77	Pass
		2462	/	/	13.21	12.90	16.07	<=28.77	Pass
802.11n (HT20)	MIMO	2412	/	/	12.84	12.65	15.76	<=28.77	Pass
		2437	/	/	12.45	11.69	15.10	<=28.77	Pass
		2462	/	/	13.35	12.82	16.10	<=28.77	Pass
802.11n (HT40)	MIMO	2422	/	/	11.32	11.55	14.45	<=28.77	Pass
		2437	/	/	12.02	11.53	14.79	<=28.77	Pass
		2452	/	/	11.93	11.39	14.68	<=28.77	Pass
802.11ax (HEW20)	MIMO	2412	RU26	Left	11.96	11.67	14.83	<=28.77	Pass
				Mid	12.84	12.44	15.65	<=28.77	Pass
				Right	12.14	11.39	14.79	<=28.77	Pass
			RU242	Left	12.49	12.10	15.31	<=28.77	Pass
		2437	RU26	Left	12.03	11.81	14.93	<=28.77	Pass
				Mid	12.80	12.25	15.54	<=28.77	Pass
				Right	12.40	12.04	15.23	<=28.77	Pass
			RU242	Left	12.61	12.20	15.42	<=28.77	Pass
		2462	RU26	Left	12.50	12.29	15.41	<=28.77	Pass
				Mid	12.49	12.33	15.42	<=28.77	Pass
				Right	12.41	12.20	15.32	<=28.77	Pass
			RU242	Left	12.75	12.40	15.59	<=28.77	Pass
802.11ax (HEW40)	MIMO	2422	RU26	Left	11.74	12.24	15.01	<=28.77	Pass
				Mid	12.79	12.81	15.81	<=28.77	Pass
				Right	12.27	12.44	15.37	<=28.77	Pass
			RU484	Left	12.81	12.09	15.48	<=28.77	Pass
		2437	RU26	Left	11.13	10.72	13.94	<=28.77	Pass

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400090704

Page: 182 of 338

				Mid	12.23	11.57	14.92	<=28.77	Pass
				Right	11.53	11.22	14.39	<=28.77	Pass
			RU484	Left	12.72	12.27	15.51	<=28.77	Pass
				Left	11.94	11.90	14.93	<=28.77	Pass
				Mid	12.92	12.89	15.92	<=28.77	Pass
		2452	RU26	Right	12.22	12.07	15.16	<=28.77	Pass
				Left	12.40	11.98	15.21	<=28.77	Pass
				Left	12.40	11.98	15.21	<=28.77	Pass
			RU484	Left	12.40	11.98	15.21	<=28.77	Pass
				Left	12.40	11.98	15.21	<=28.77	Pass

Note1: Antenna Gain: Ant1: 3.80dBi; Ant2: 4.62dBi;
Note2: Directional Gain: 7.23dBi



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	MIMO	2412	/	/	0.76	-8.52	0.81	<=8	Pass
		2437	/	/	2.95	1.01	3.00	<=8	Pass
		2462	/	/	4.80	0.66	4.88	<=8	Pass
802.11g	MIMO	2412	/	/	-13.55	-13.66	-11.18	<=8	Pass
		2437	/	/	-14.09	-12.97	-10.72	<=8	Pass
		2462	/	/	-12.11	-14.03	-10.91	<=8	Pass
802.11n (HT20)	MIMO	2412	/	/	-11.87	-12.52	-9.74	<=8	Pass
		2437	/	/	-13.59	-12.13	-10.28	<=8	Pass
		2462	/	/	-11.77	-14.09	-10.22	<=8	Pass
802.11n (HT40)	MIMO	2422	/	/	-17.58	-17.85	-14.89	<=8	Pass
		2437	/	/	-16.81	-17.22	-14.56	<=8	Pass
		2452	/	/	-16.41	-16.95	-14.73	<=8	Pass
802.11ax (HEW20)	MIMO	2412	RU26	Left	-4.34	-5.78	-2.93	<=8	Pass
				Mid	-4.69	-5.27	-2.80	<=8	Pass
				Right	-3.92	-5.15	-2.34	<=8	Pass
		2437	RU26	Left	-13.11	-13.07	-10.76	<=8	Pass
				Mid	-3.57	-5.83	-2.59	<=8	Pass
				Right	-4.13	-4.57	-1.62	<=8	Pass
		2462	RU26	Left	-4.23	-3.28	-1.39	<=8	Pass
				Mid	-12.62	-13.65	-10.13	<=8	Pass
				Right	-5.02	-7.05	-3.47	<=8	Pass
		2422	RU26	Left	-6.60	-6.24	-3.78	<=8	Pass
				Mid	-6.14	-6.16	-3.14	<=8	Pass
				Right	-13.33	-14.21	-11.41	<=8	Pass
802.11ax (HEW40)	MIMO	2422	RU26	Left	-7.04	-6.75	-4.37	<=8	Pass
				Mid	-6.62	-6.65	-4.26	<=8	Pass
				Right	-7.10	-6.63	-4.53	<=8	Pass
		2437	RU26	Left	-15.43	-16.70	-14.16	<=8	Pass
				Mid	-7.32	-6.68	-4.31	<=8	Pass
				Right	-7.32	-6.68	-4.31	<=8	Pass

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230400090704

Page: 184 of 338

				Mid	-6.43	-6.95	-4.76	<=8	Pass
				Right	-5.49	-7.07	-4.25	<=8	Pass
			RU484	Left	-16.09	-16.87	-14.61	<=8	Pass
		2452	RU26	Left	-7.50	-7.62	-5.17	<=8	Pass
				Mid	-6.24	-5.61	-4.07	<=8	Pass
				Right	-6.18	-6.73	-4.68	<=8	Pass
			RU484	Left	-16.19	-16.80	-14.70	<=8	Pass

Note1: Antenna Gain: Ant1: 3.80dBi; Ant2: 4.62dBi;

Note2: Directional Gain: 7.23dBi



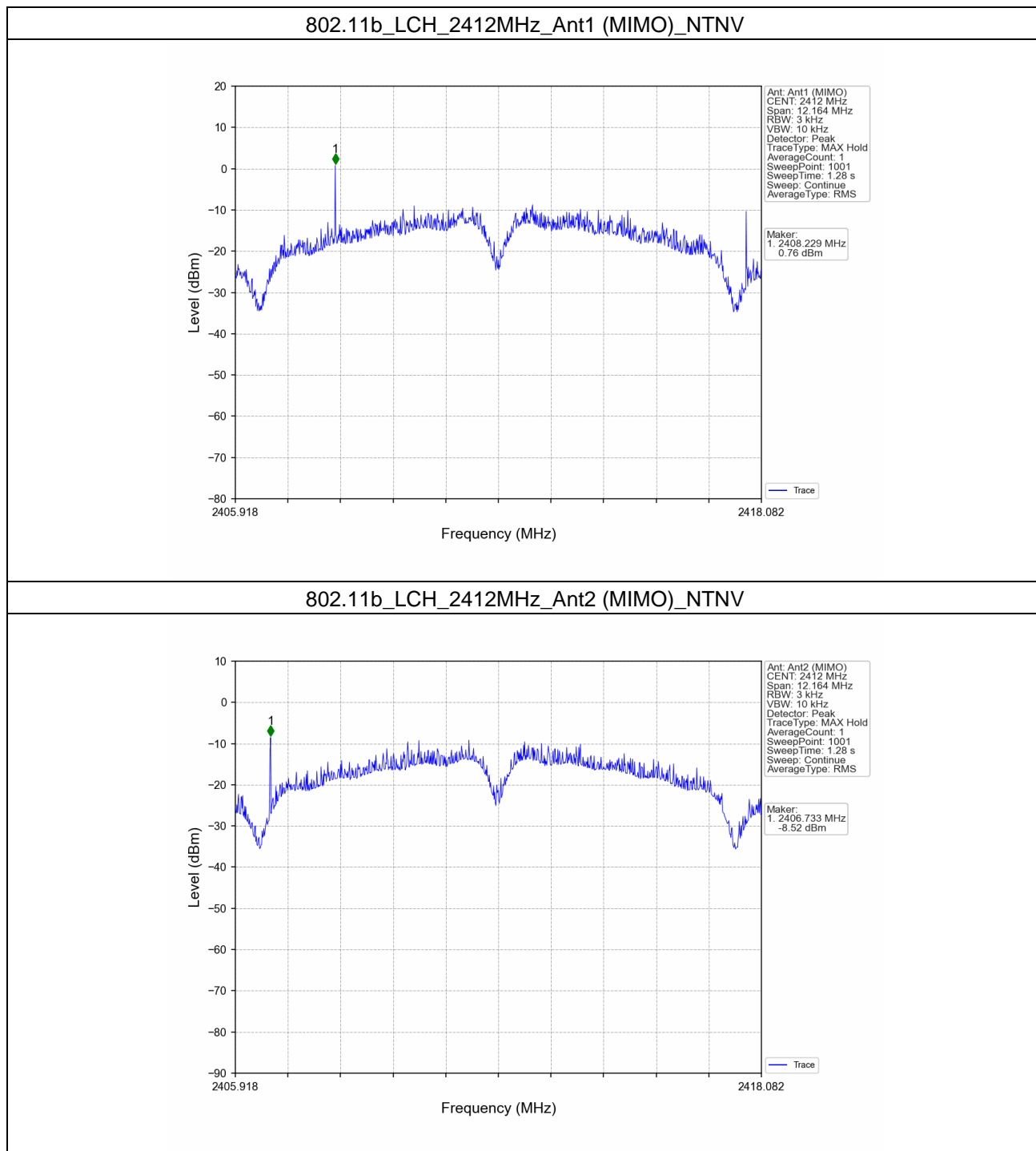
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

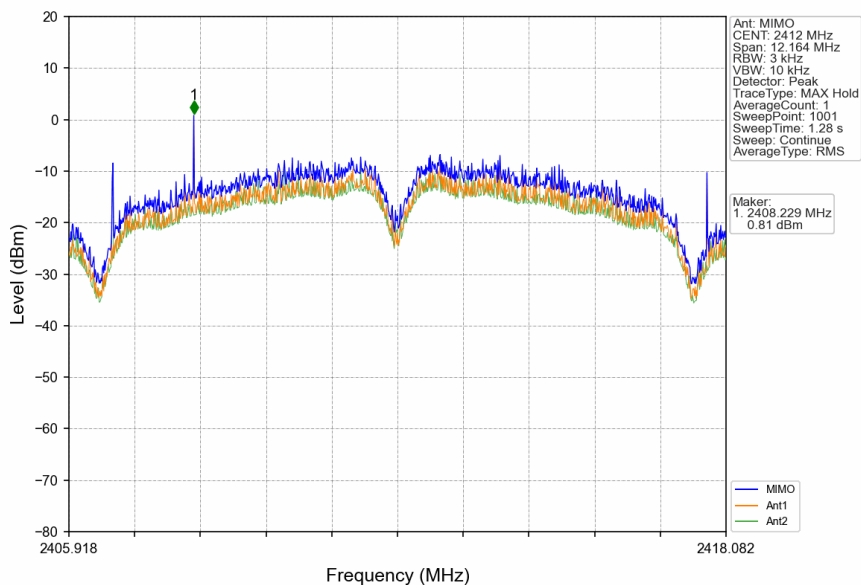
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory.

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

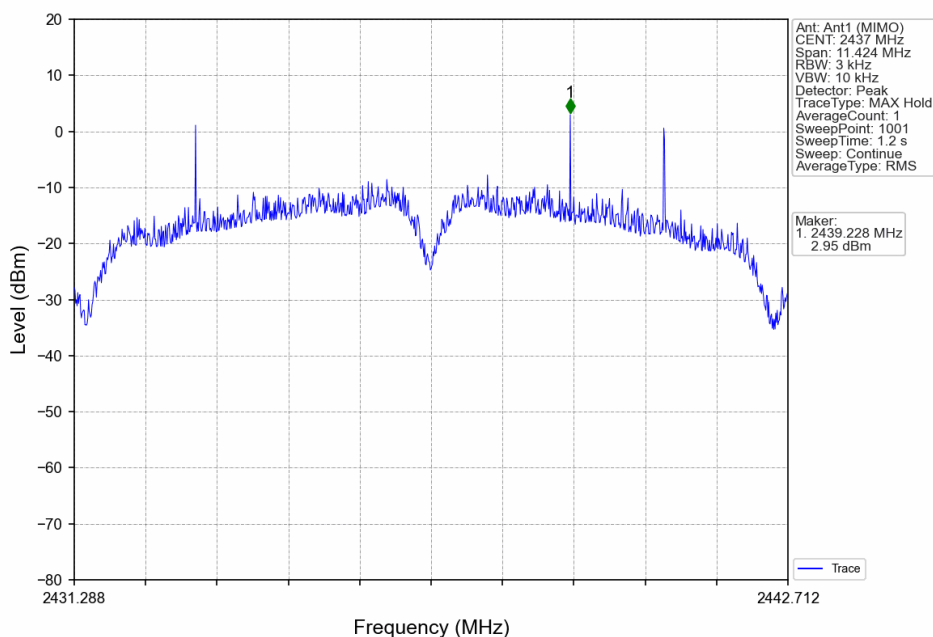
4.1.2 Test Graph



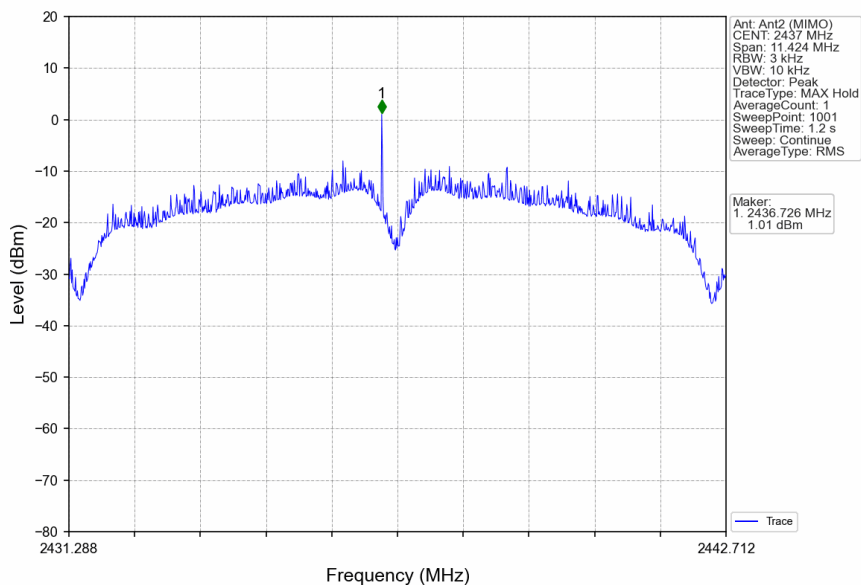
802.11b_LCH_2412MHz_MIMO_NTNV



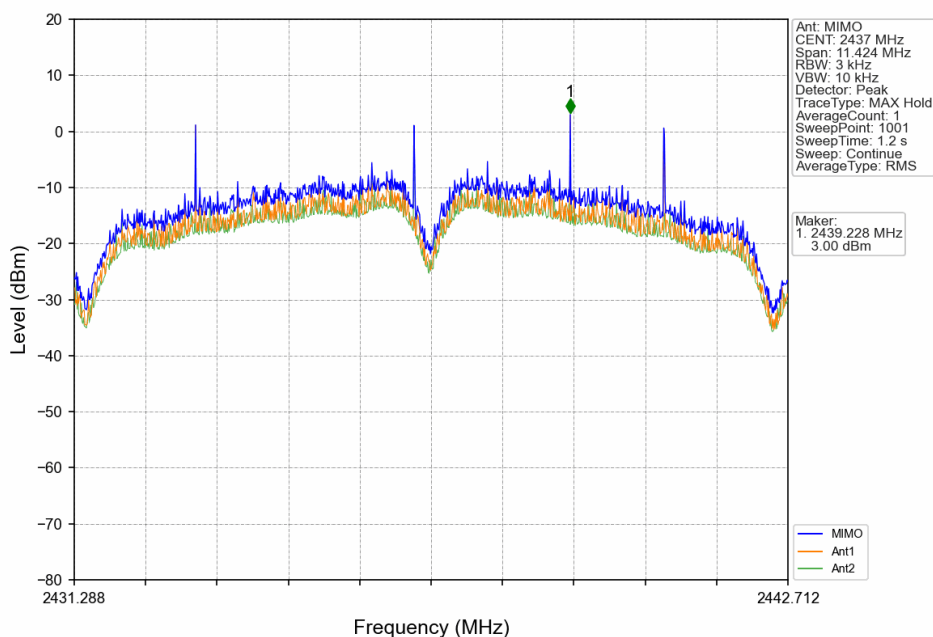
802.11b_MCH_2437MHz_Ant1 (MIMO)_NTNV



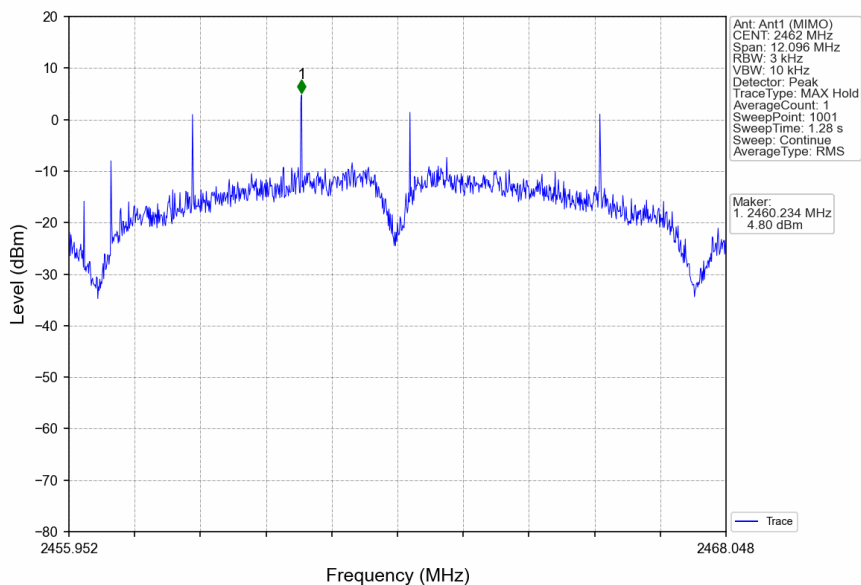
802.11b_MCH_2437MHz_Ant2 (MIMO)_NTNV



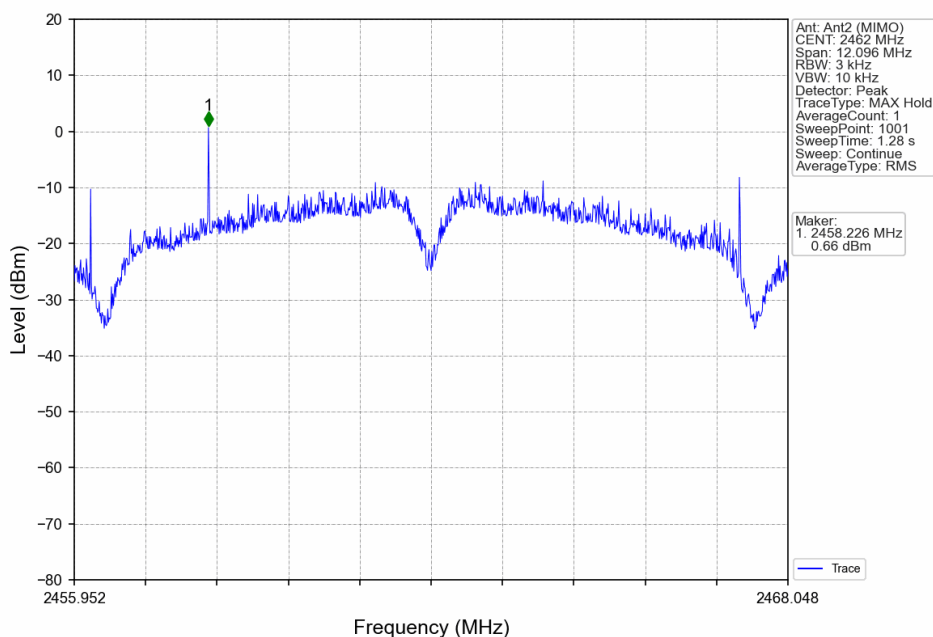
802.11b_MCH_2437MHz_MIMO_NTNV



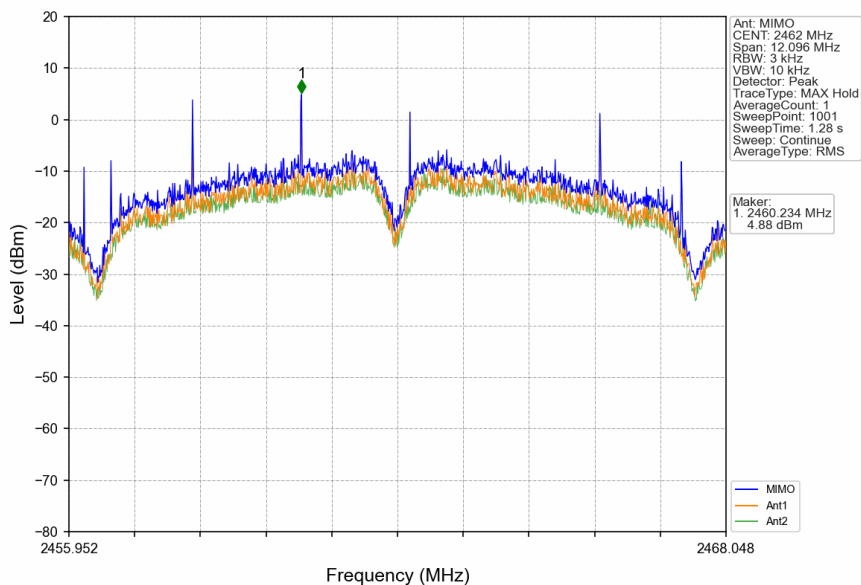
802.11b_HCH_2462MHz_Ant1 (MIMO)_NTNV



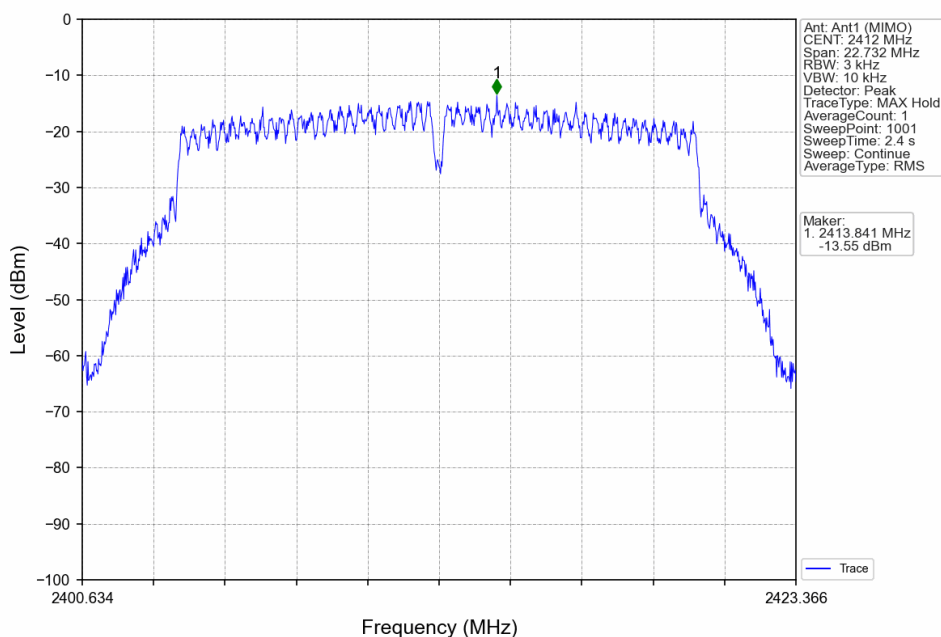
802.11b_HCH_2462MHz_Ant2 (MIMO)_NTNV



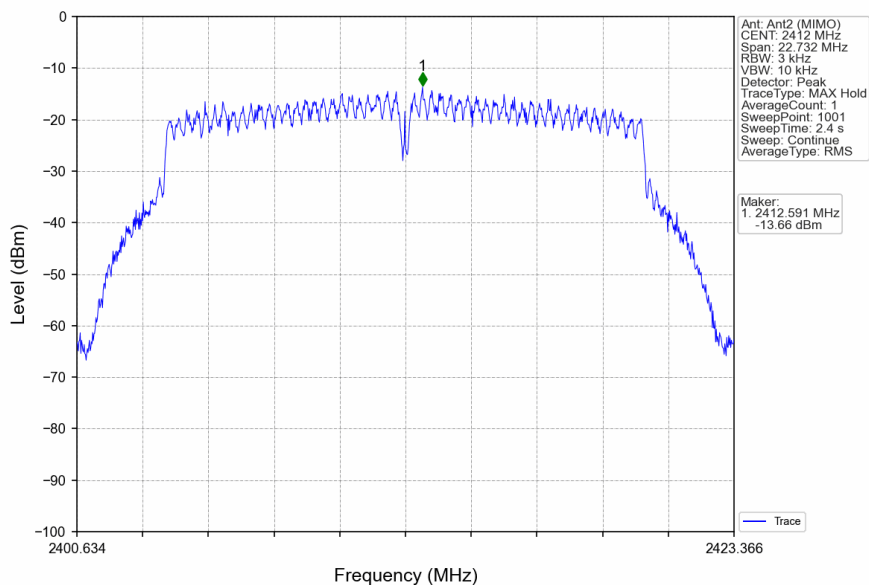
802.11b_HCH_2462MHz_MIMO_NTNV



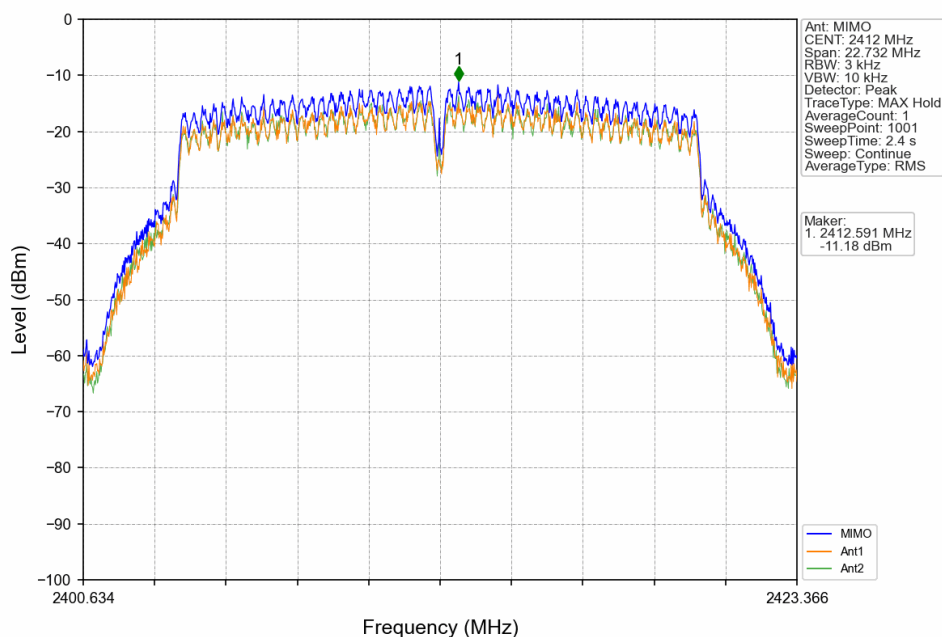
802.11g_LCH_2412MHz_Ant1 (MIMO)_NTNV



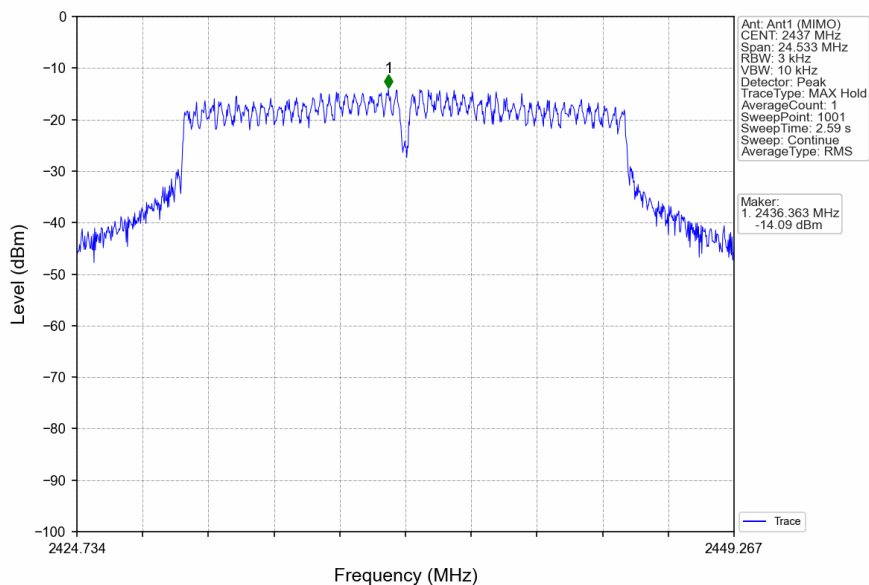
802.11g_LCH_2412MHz_Ant2 (MIMO)_NTNV



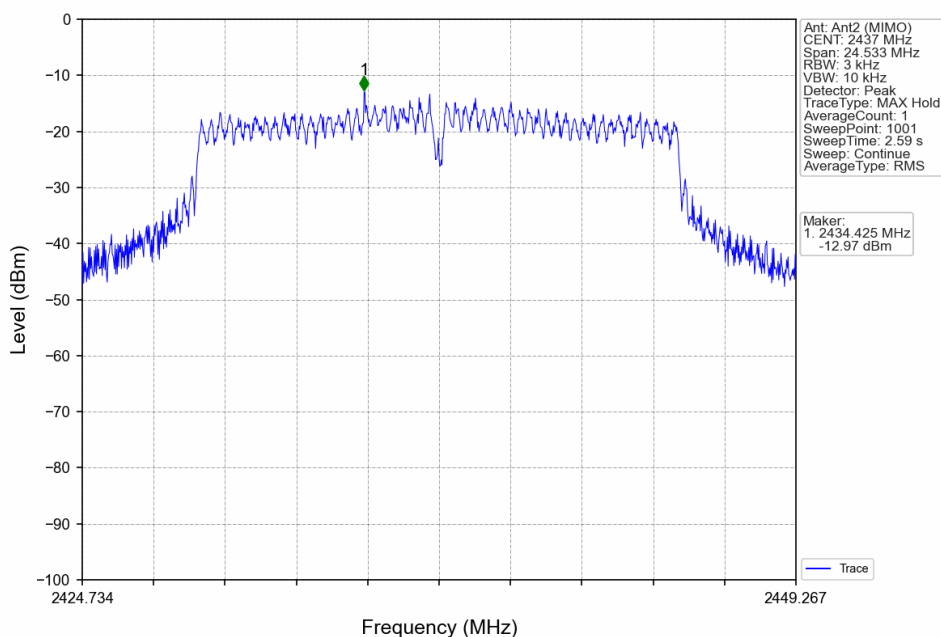
802.11g_LCH_2412MHz_MIMO_NTNV



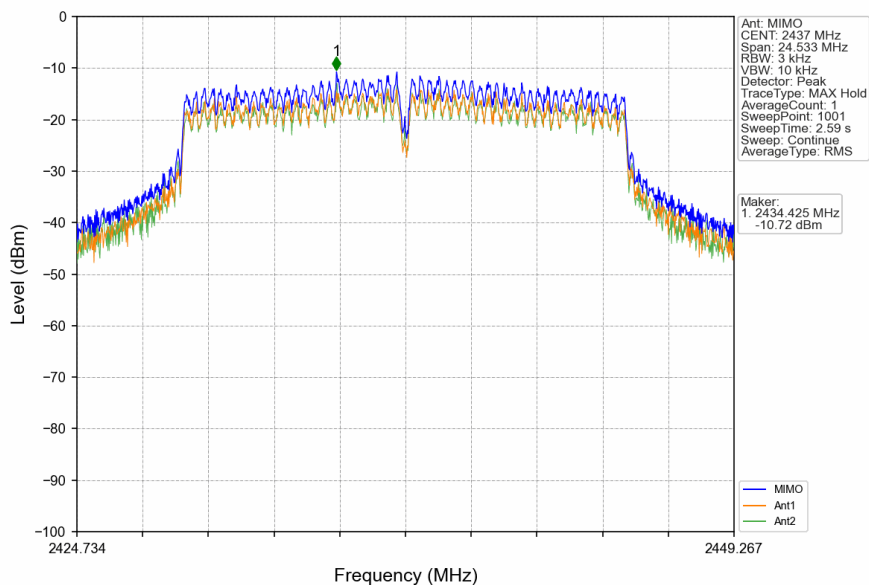
802.11g_MCH_2437MHz_Ant1 (MIMO)_NTNV



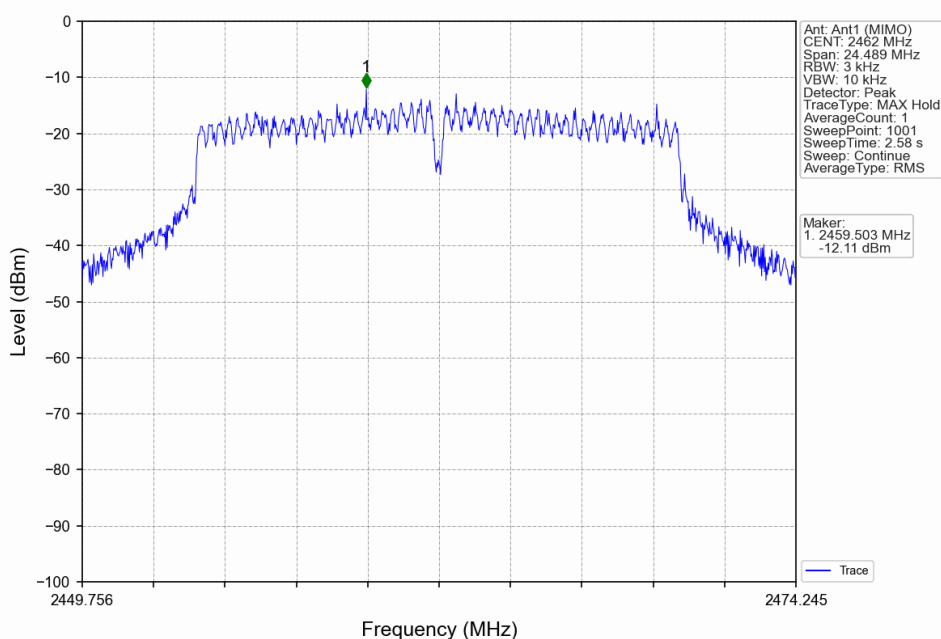
802.11g_MCH_2437MHz_Ant2 (MIMO)_NTNV



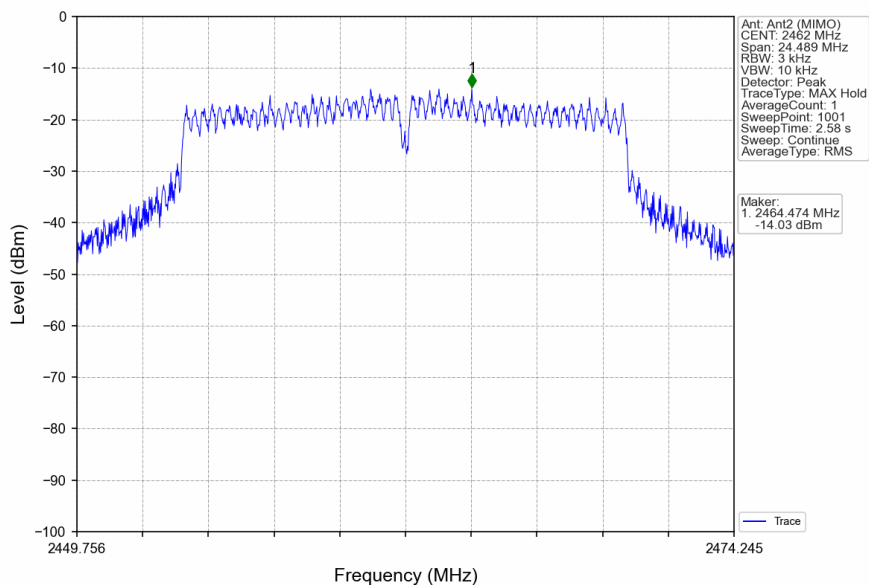
802.11g_MCH_2437MHz_MIMO_NTNV



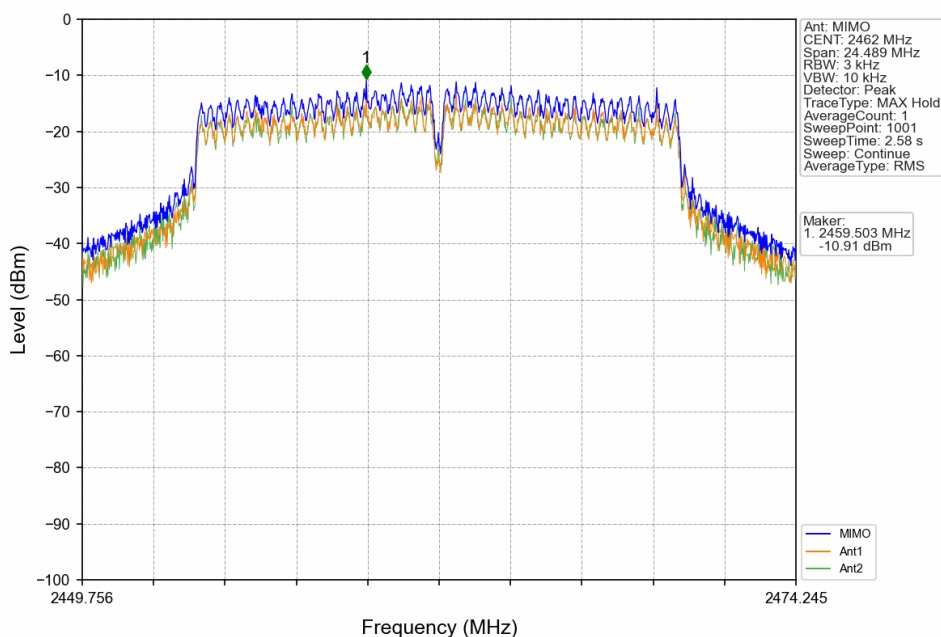
802.11g_HCH_2462MHz_Ant1 (MIMO)_NTNV



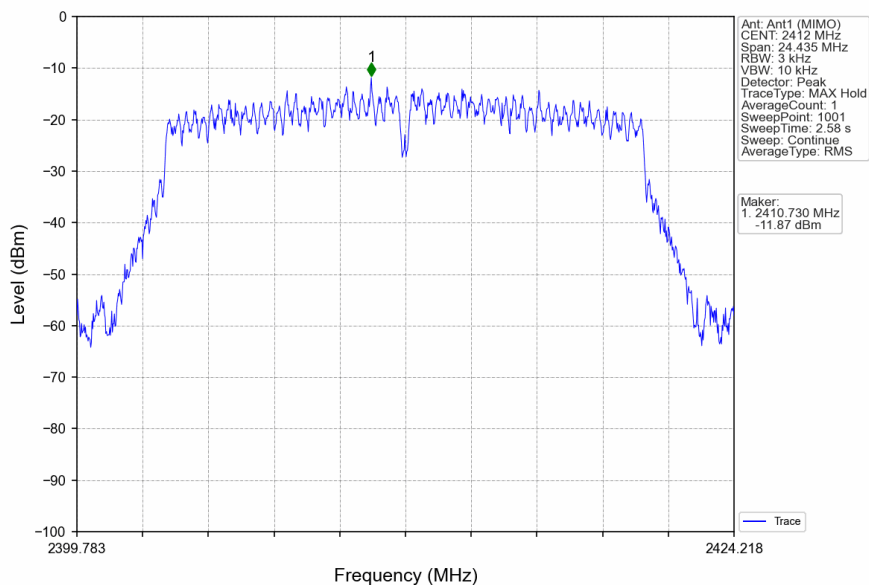
802.11g_HCH_2462MHz_Ant2 (MIMO)_NTNV



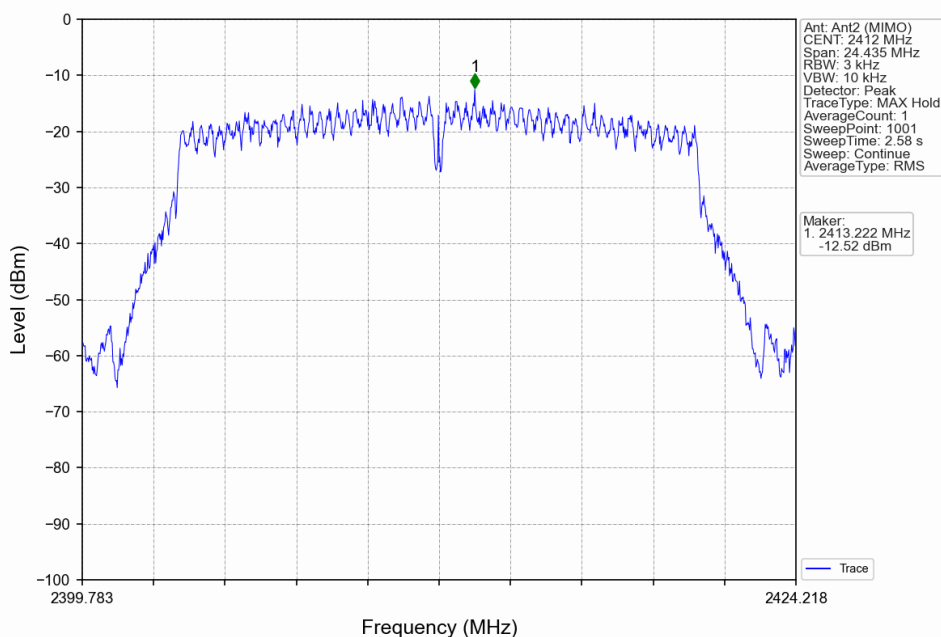
802.11g_HCH_2462MHz_MIMO_NTNV



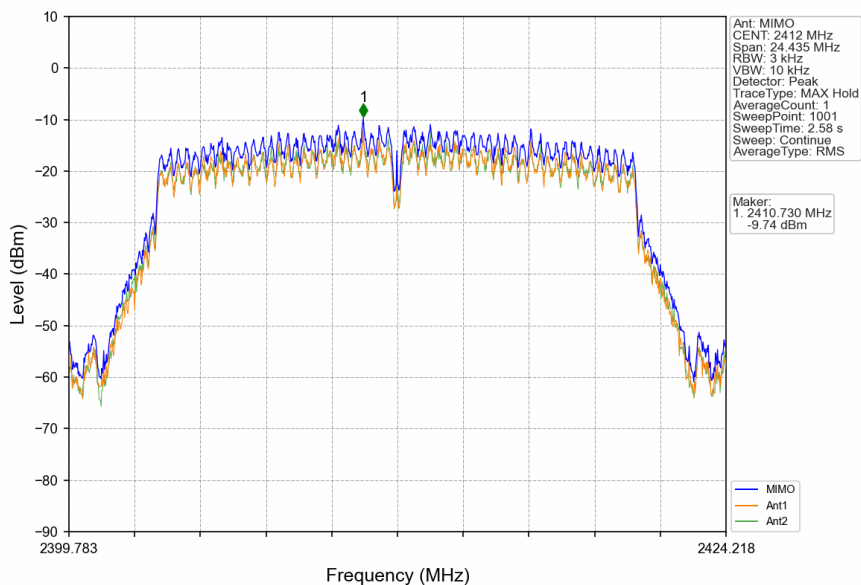
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



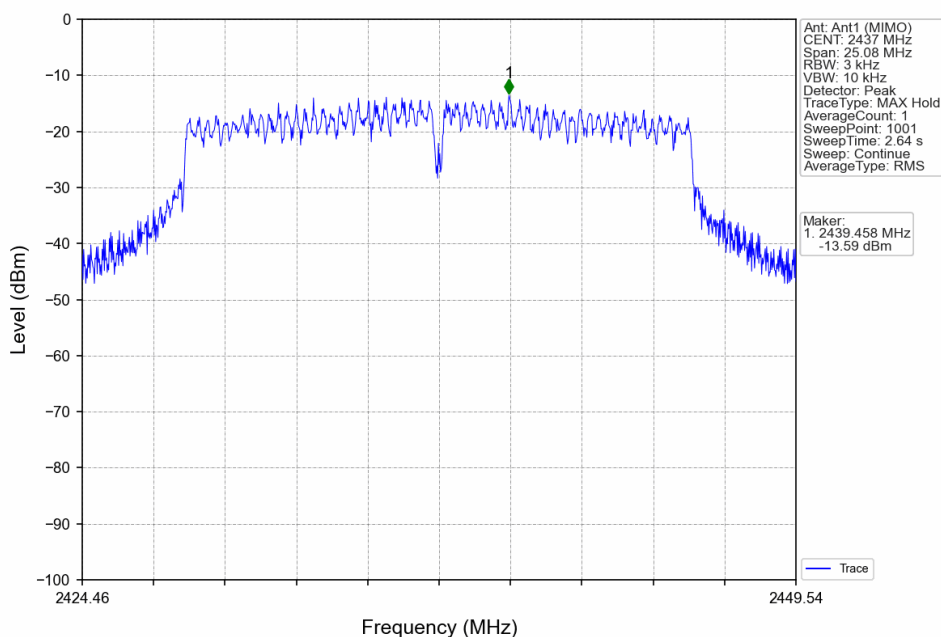
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



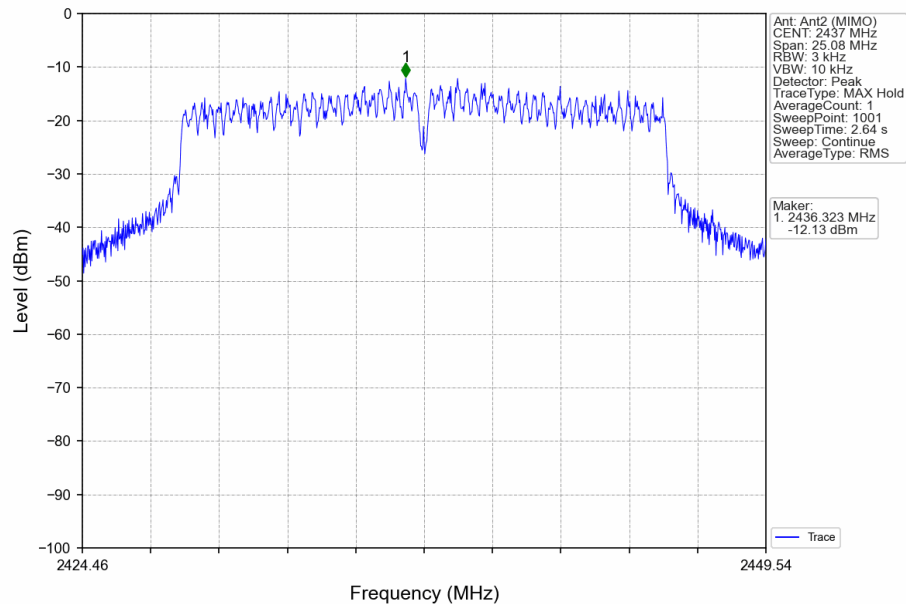
802.11n(HT20)_LCH_2412MHz_MIMO_NTNV



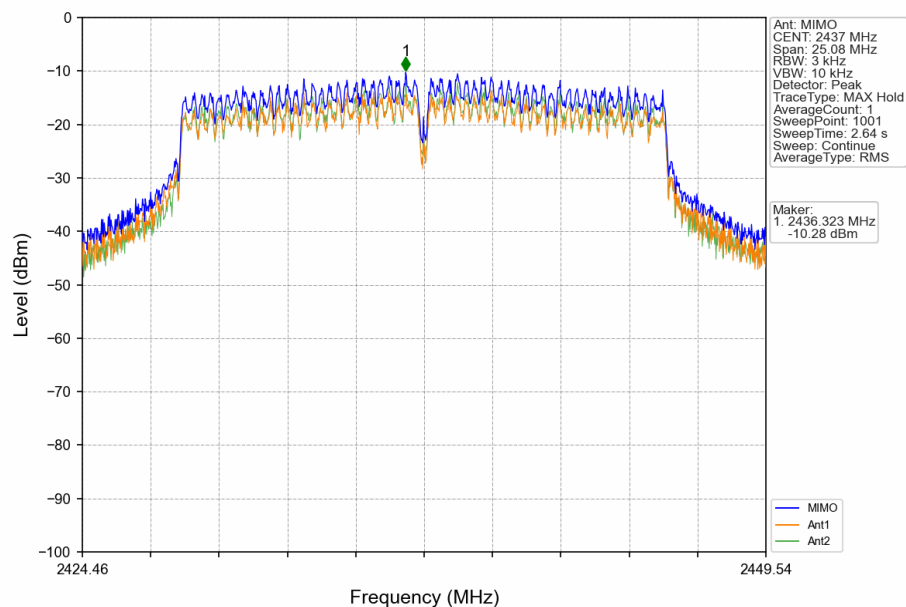
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



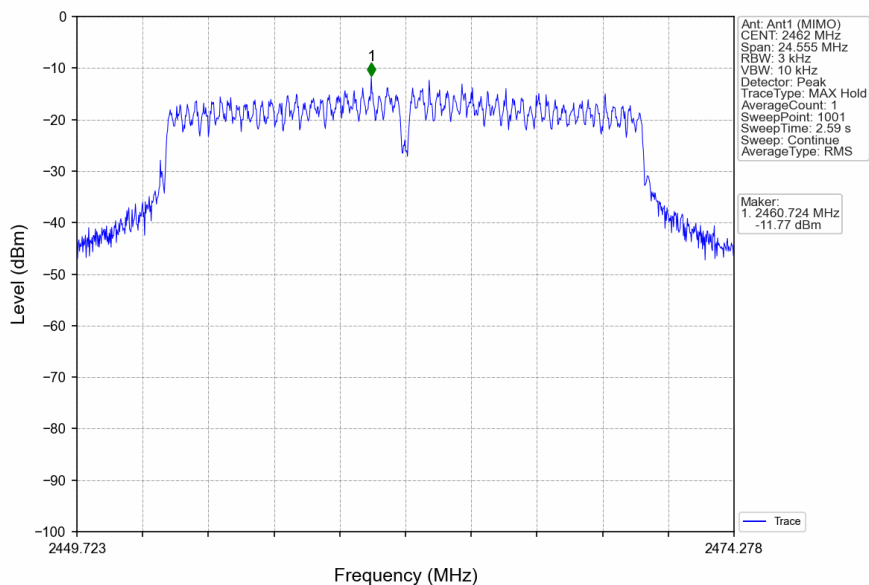
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



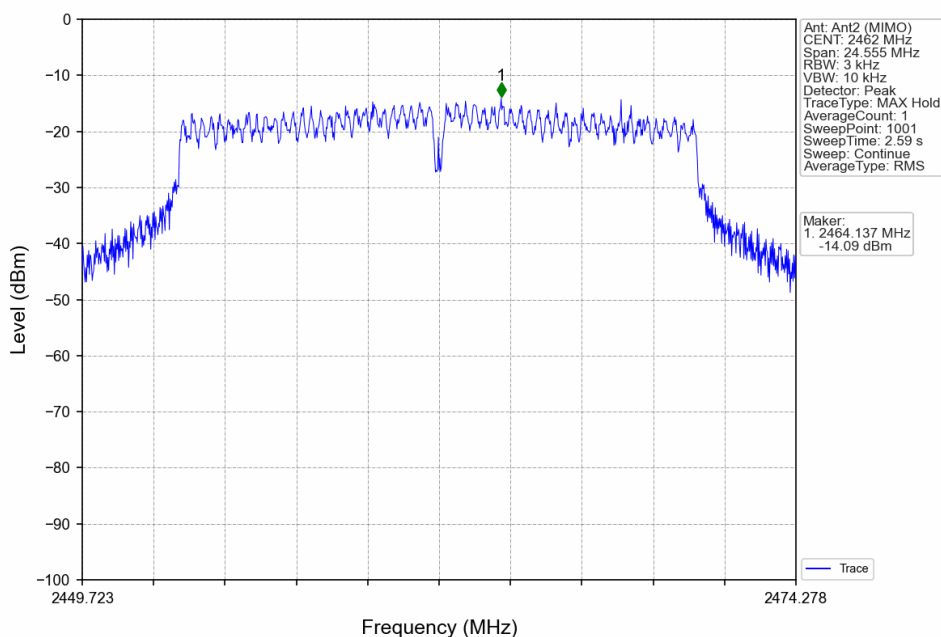
802.11n(HT20)_MCH_2437MHz_MIMO_NTNV



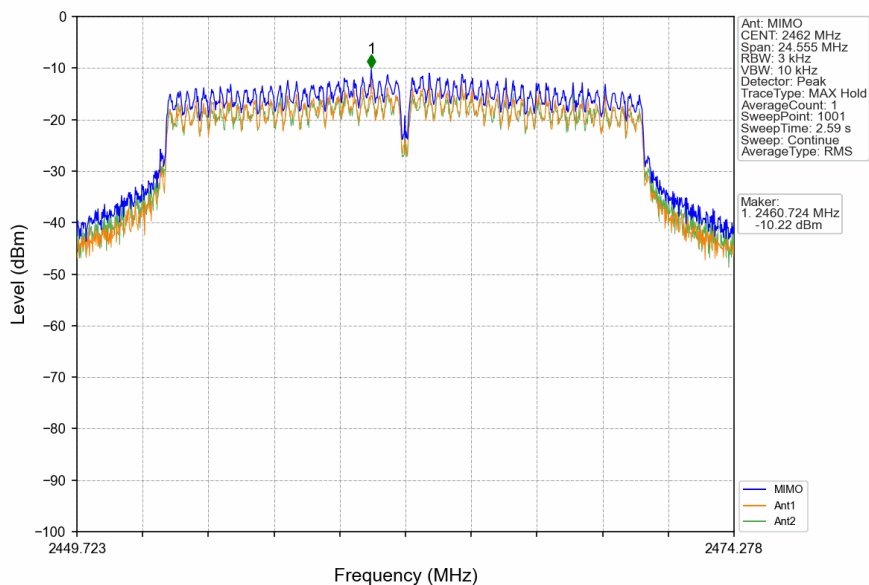
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



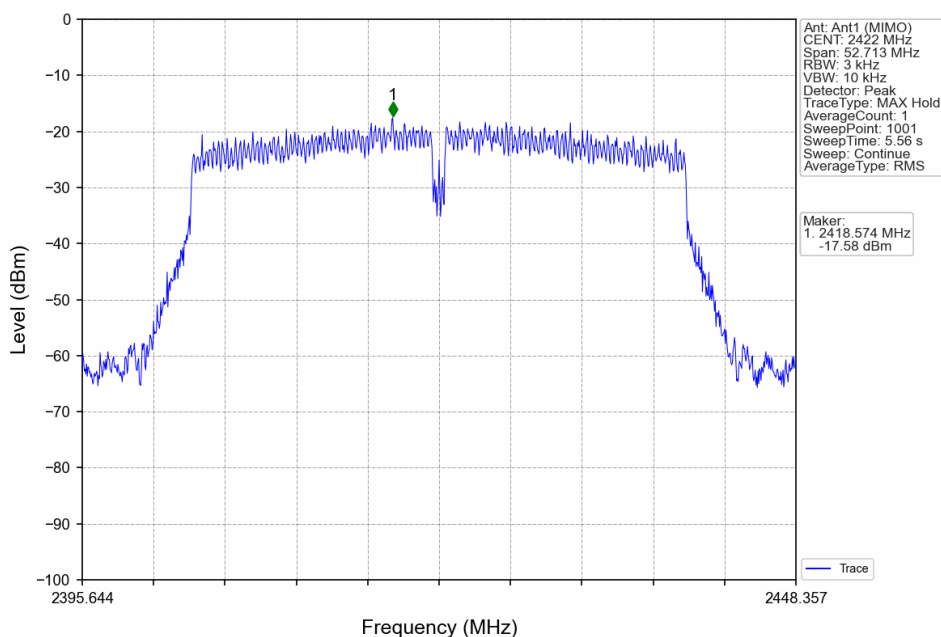
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



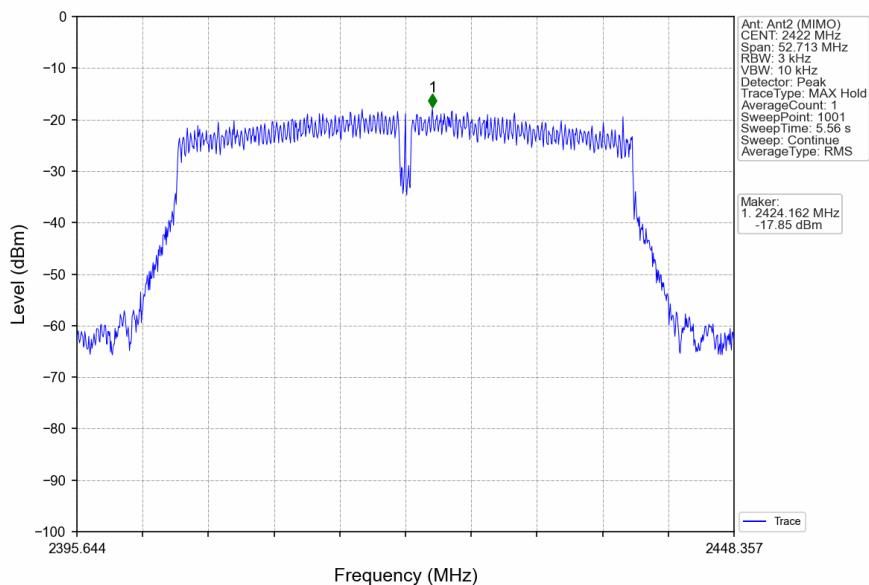
802.11n(HT20)_HCH_2462MHz_MIMO_NTNV



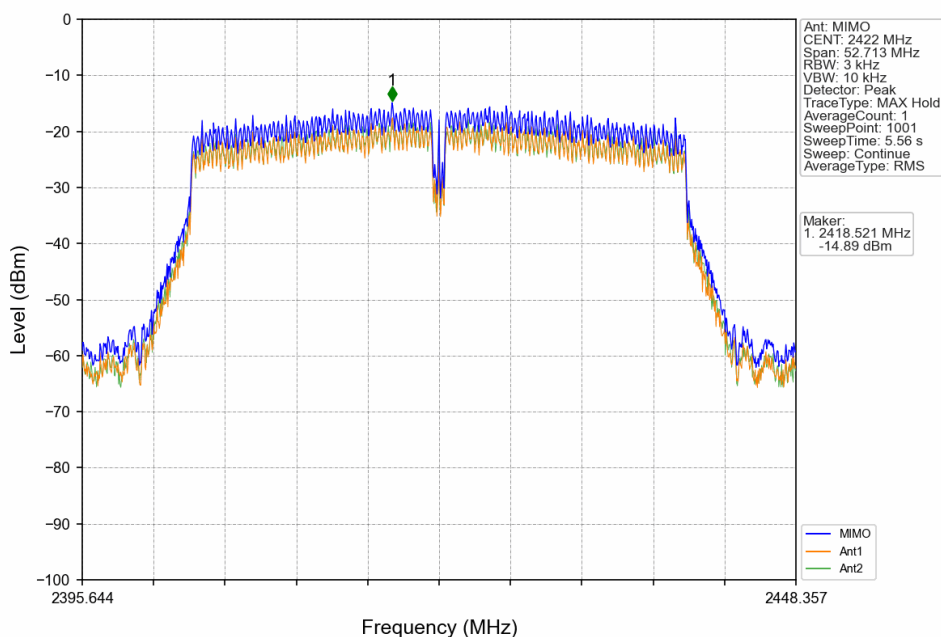
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



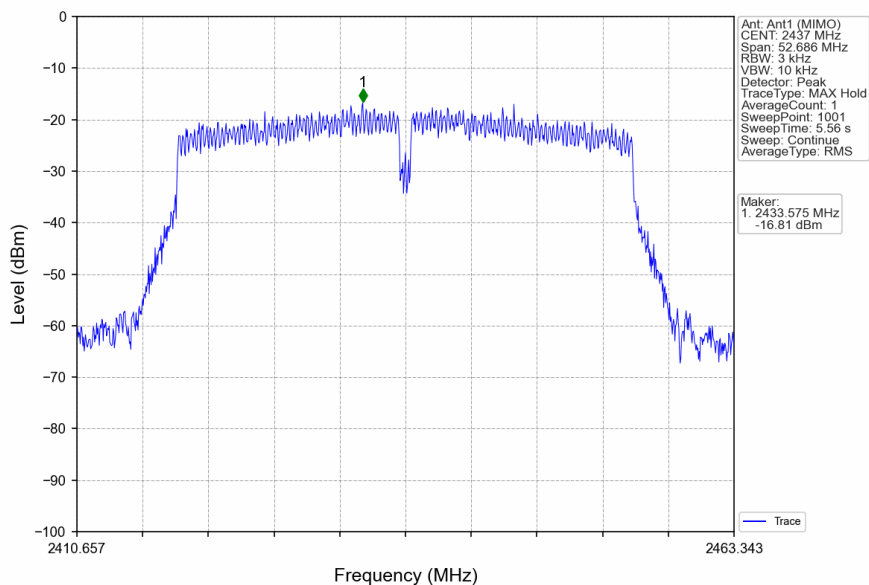
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



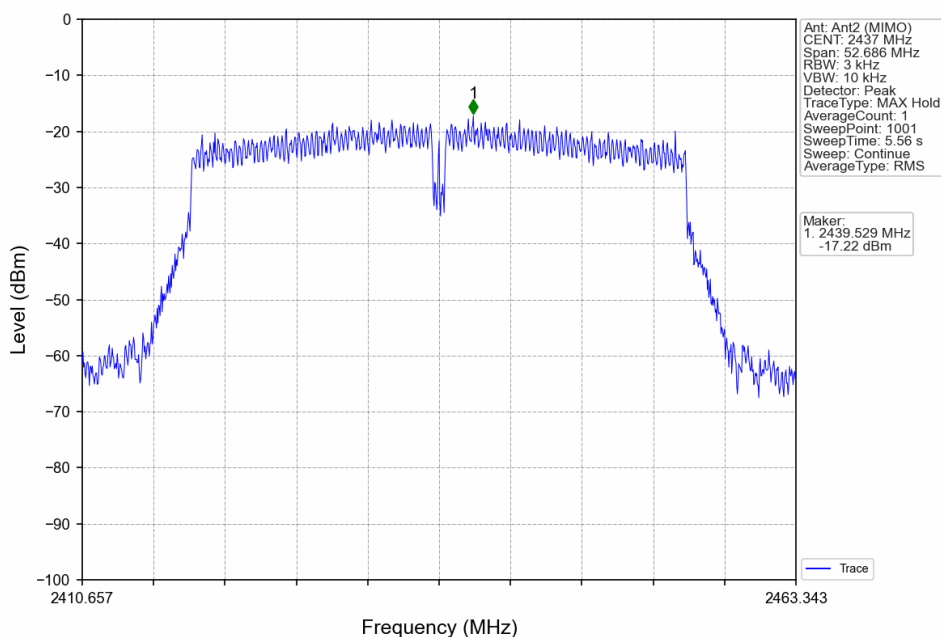
802.11n(HT40)_LCH_2422MHz_MIMO_NTNV



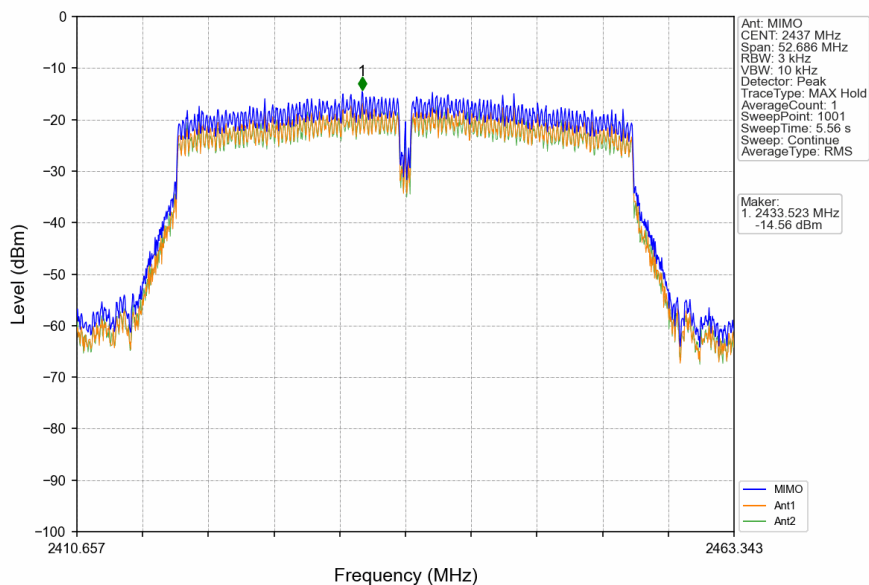
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



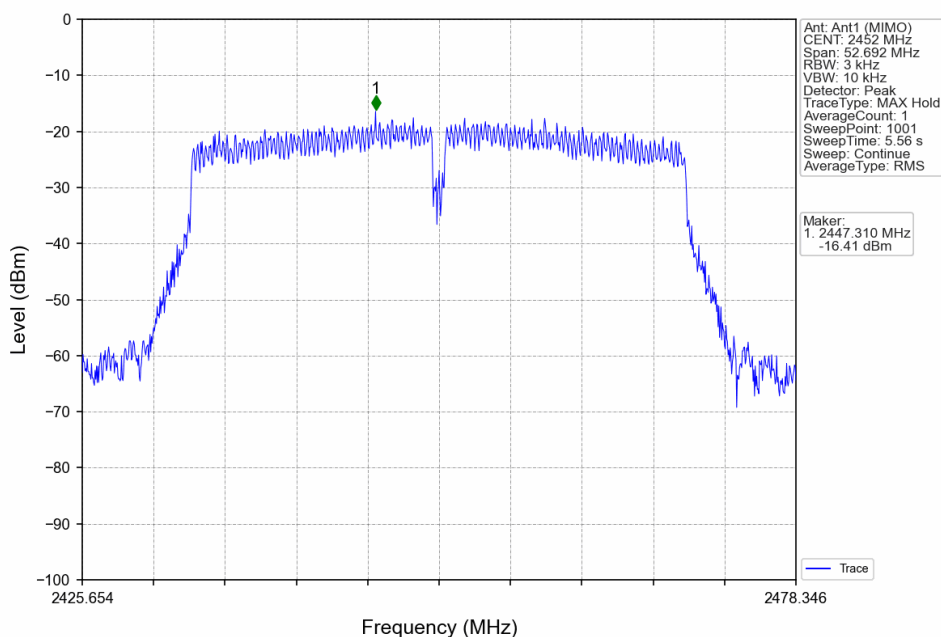
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



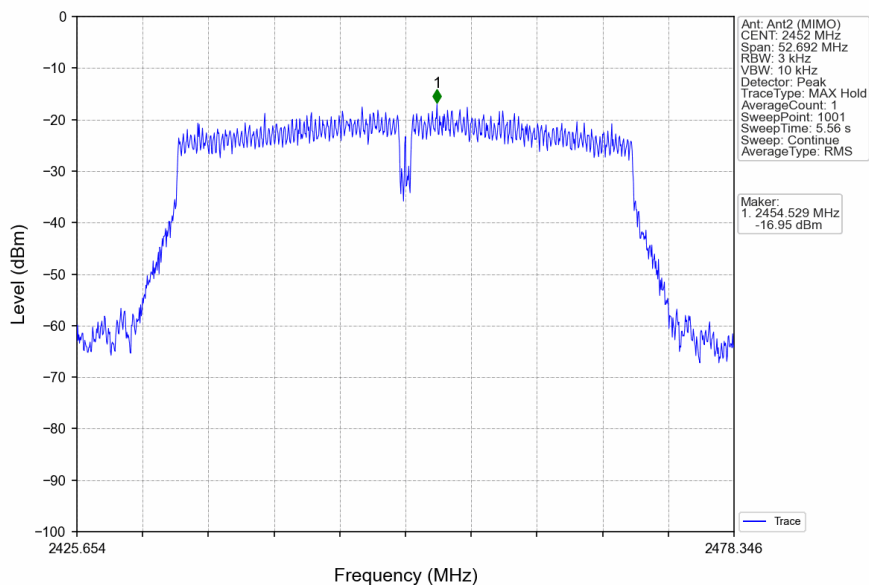
802.11n(HT40)_MCH_2437MHz_MIMO_NTNV



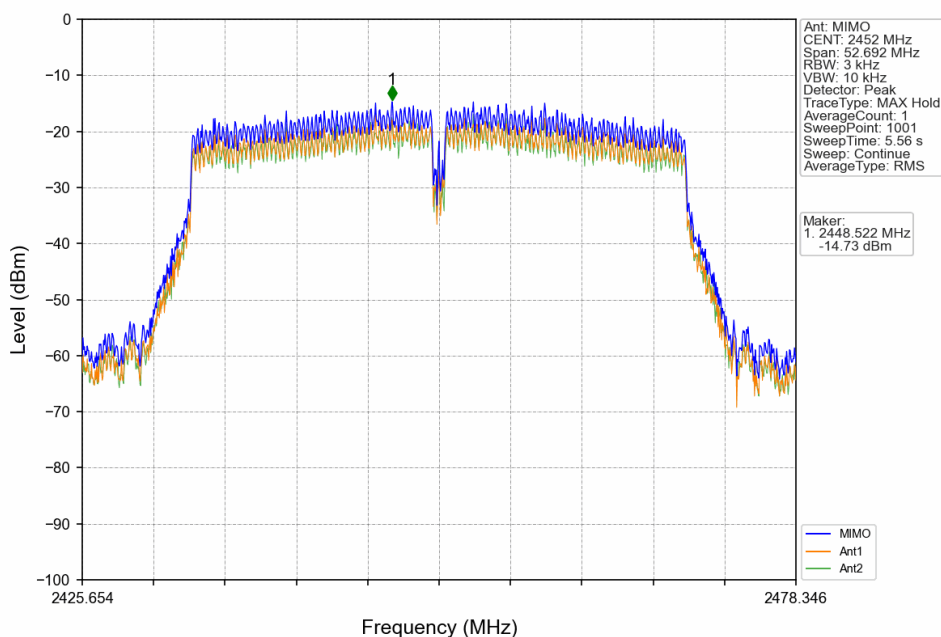
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



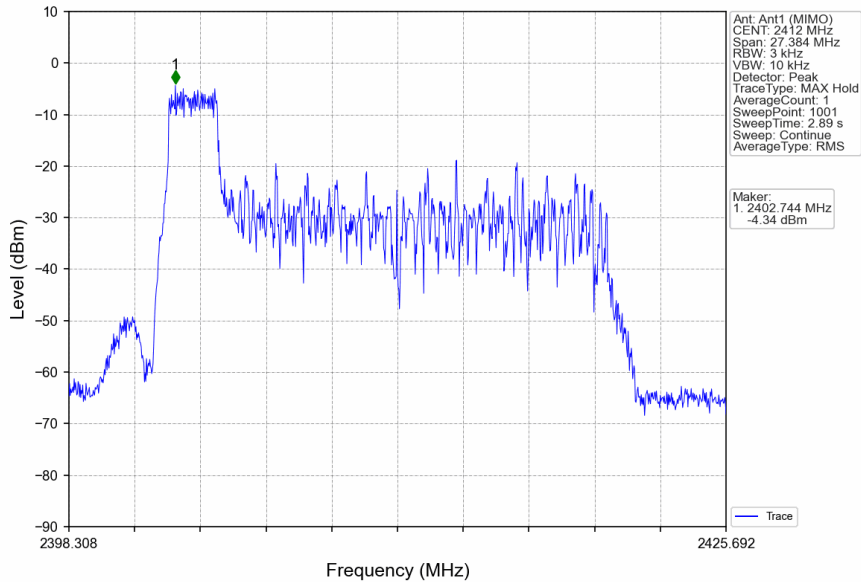
802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



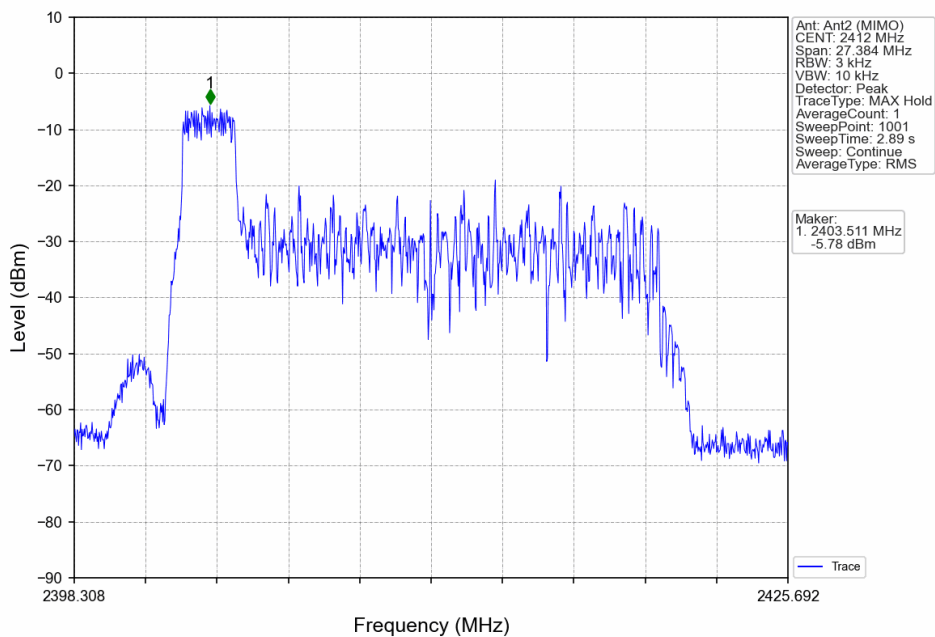
802.11n(HT40)_HCH_2452MHz_MIMO_NTNV



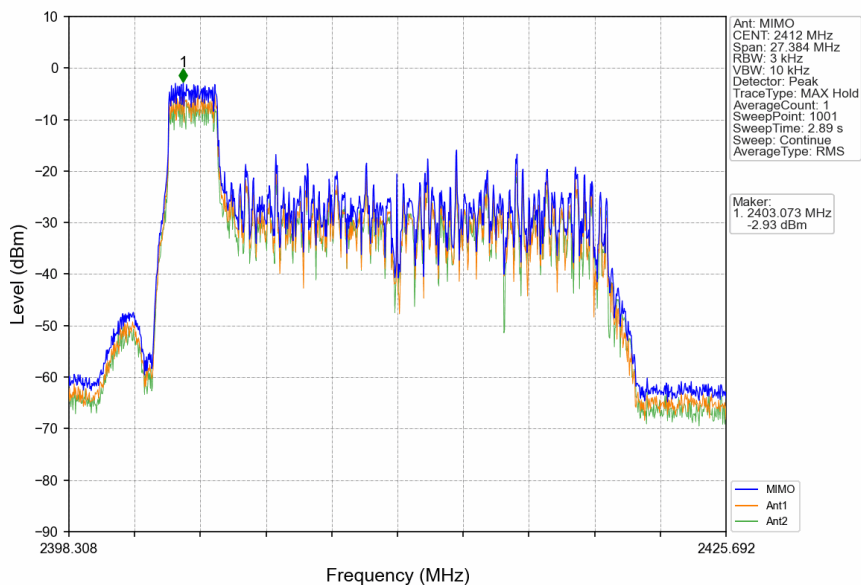
802.11ax(HEW20)_LCH_2412MHz_RU26_Left_Ant1 (MIMO)_NTNV



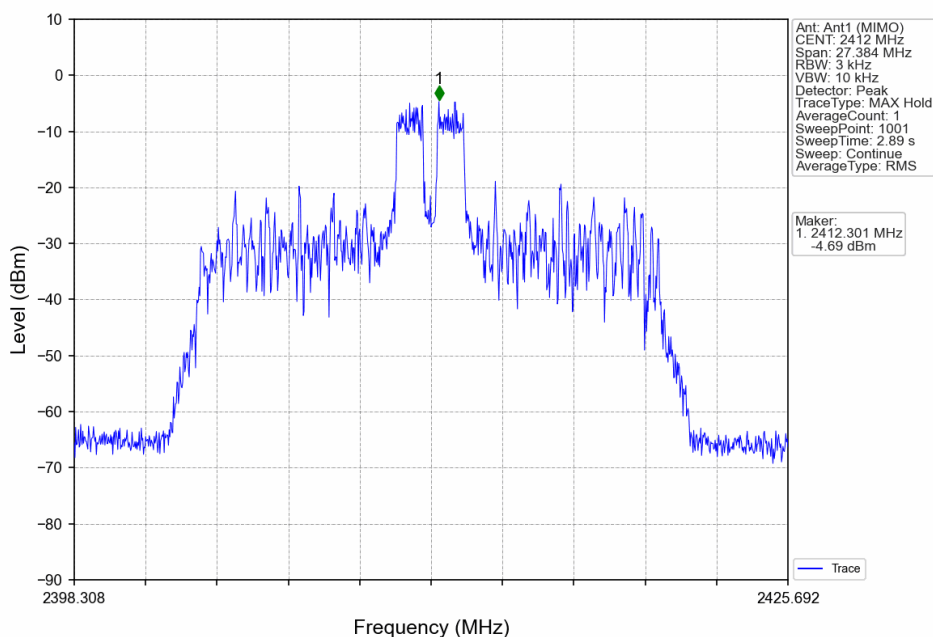
802.11ax(HEW20)_LCH_2412MHz_RU26_Left_Ant2 (MIMO)_NTNV



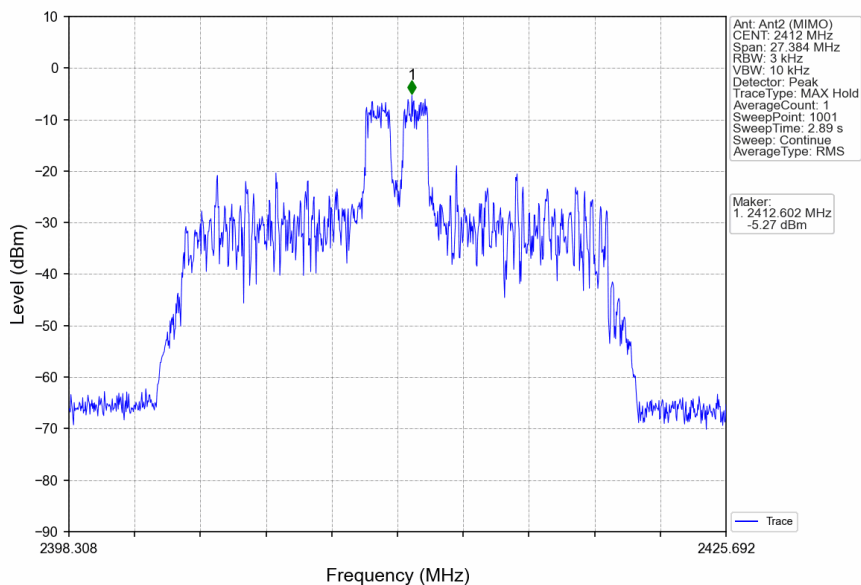
802.11ax(HEW20)_LCH_2412MHz_RU26_Left_MIMO_NTNV



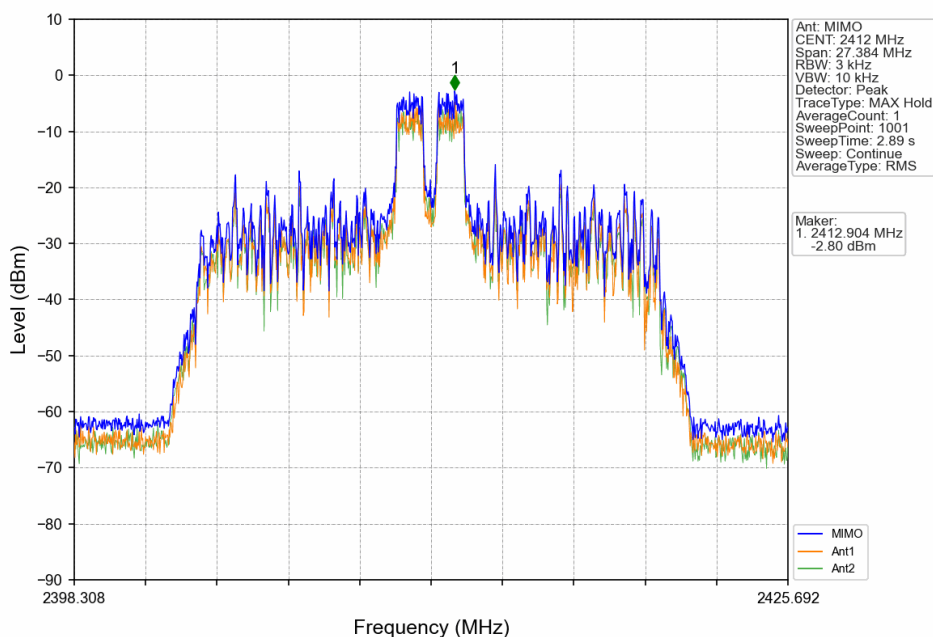
802.11ax(HEW20)_LCH_2412MHz_RU26_Mid_Ant1 (MIMO)_NTNV



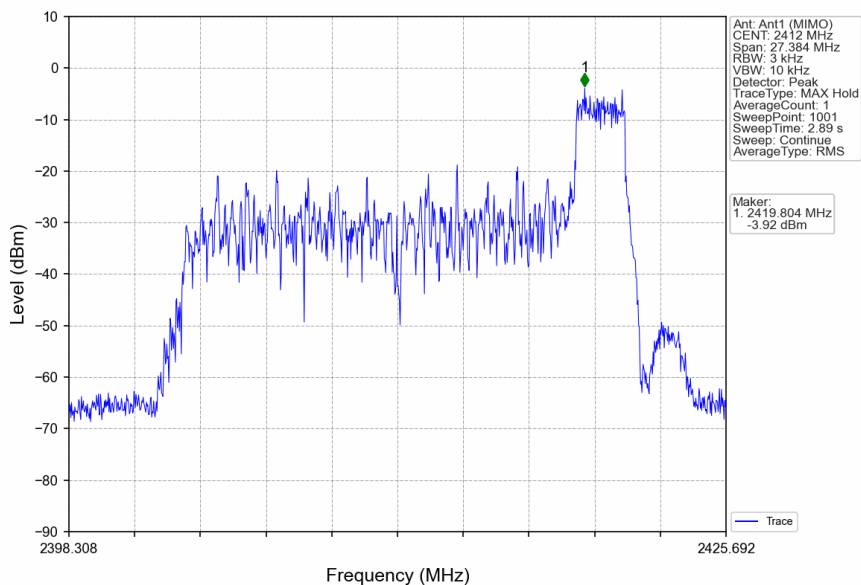
802.11ax(HEW20)_LCH_2412MHz_RU26_Mid_Ant2 (MIMO)_NTNV



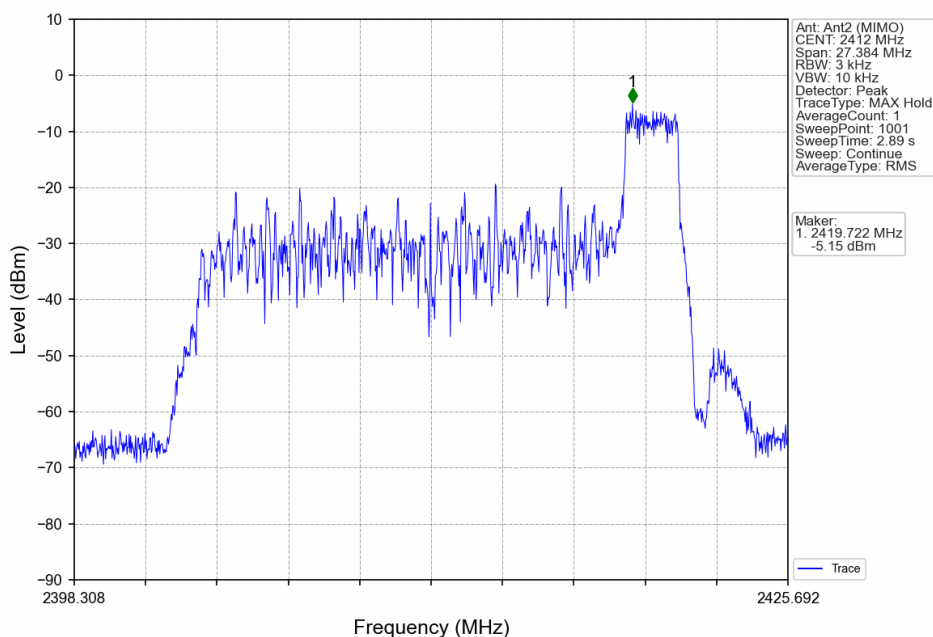
802.11ax(HEW20)_LCH_2412MHz_RU26_Mid_MIMO_NTNV



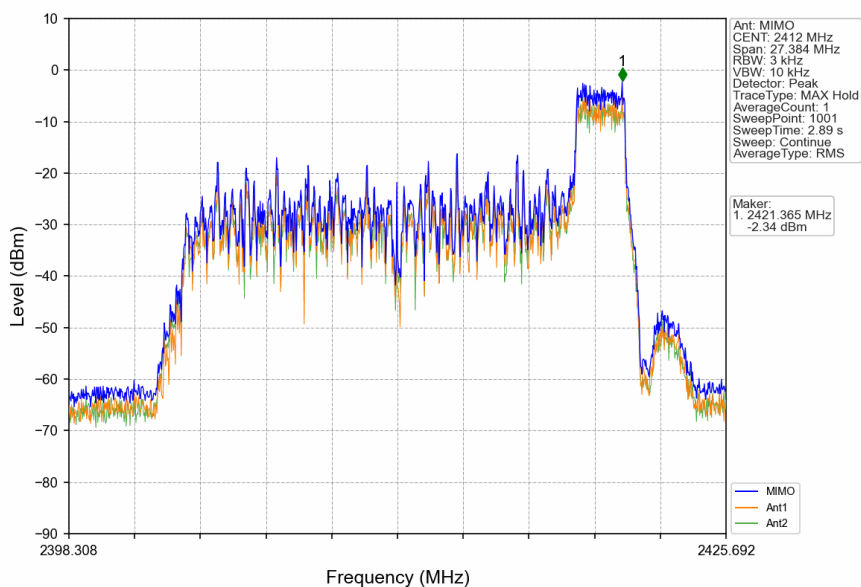
802.11ax(HEW20)_LCH_2412MHz_RU26_Right_Ant1 (MIMO)_NTNV



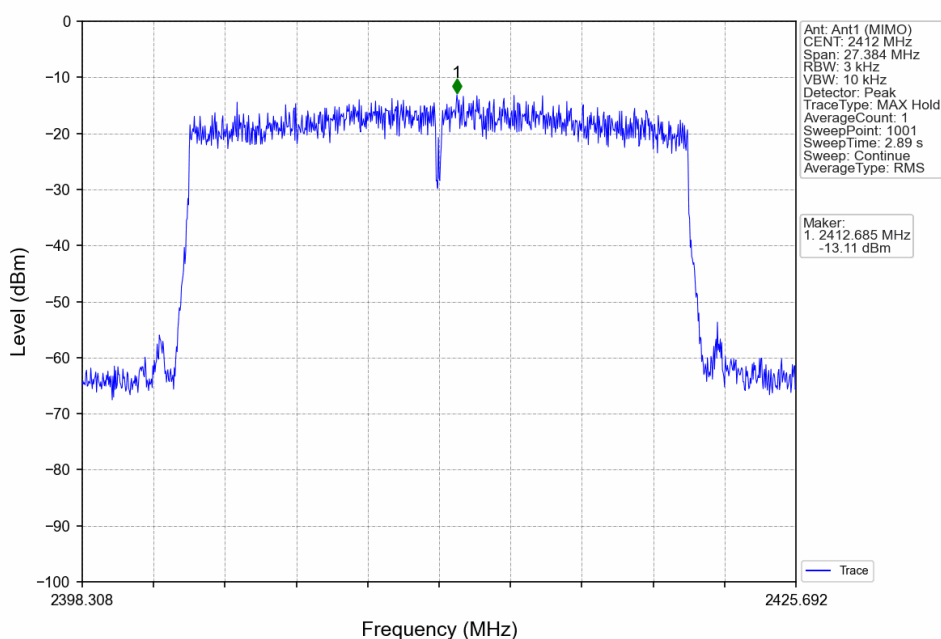
802.11ax(HEW20)_LCH_2412MHz_RU26_Right_Ant2 (MIMO)_NTNV



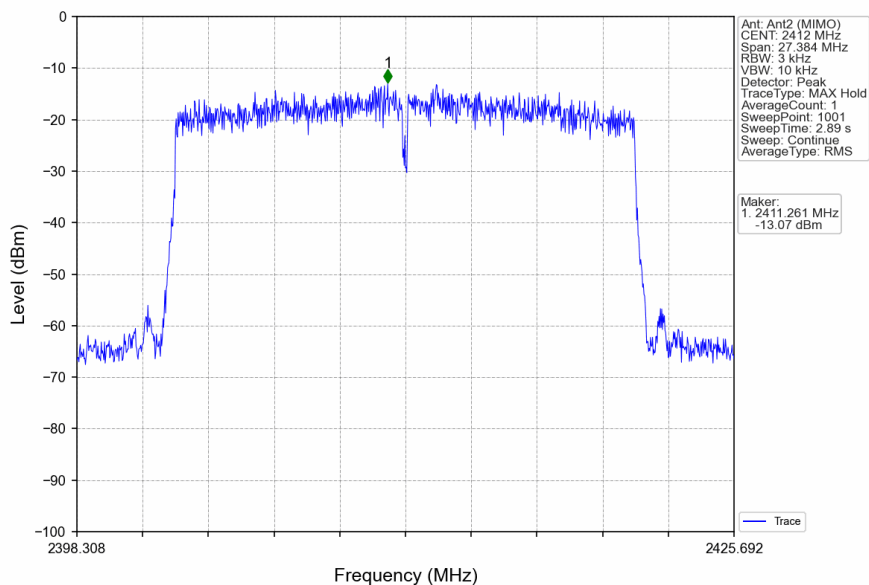
802.11ax(HEW20)_LCH_2412MHz_RU26_Right_MIMO_NTNV



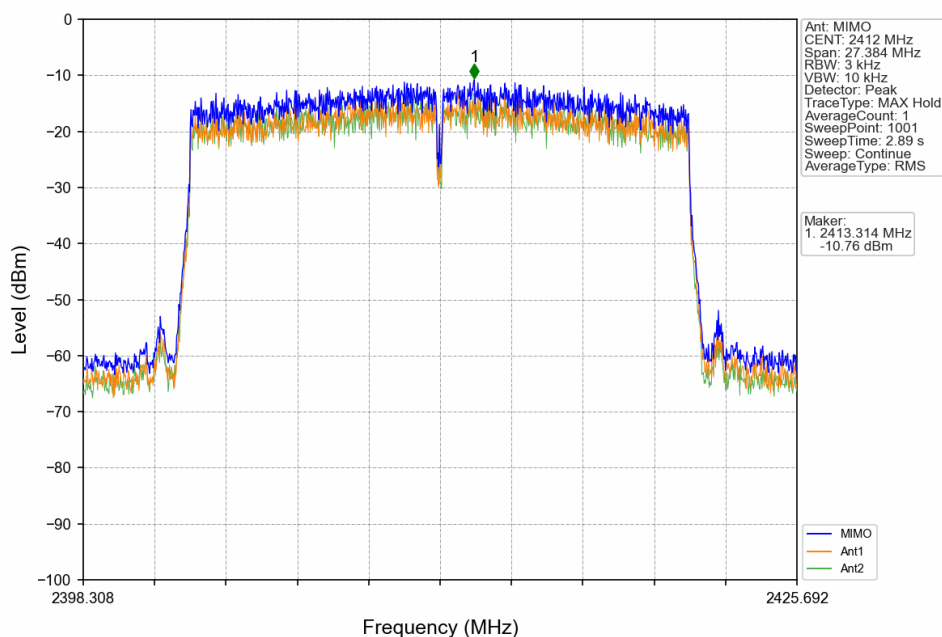
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



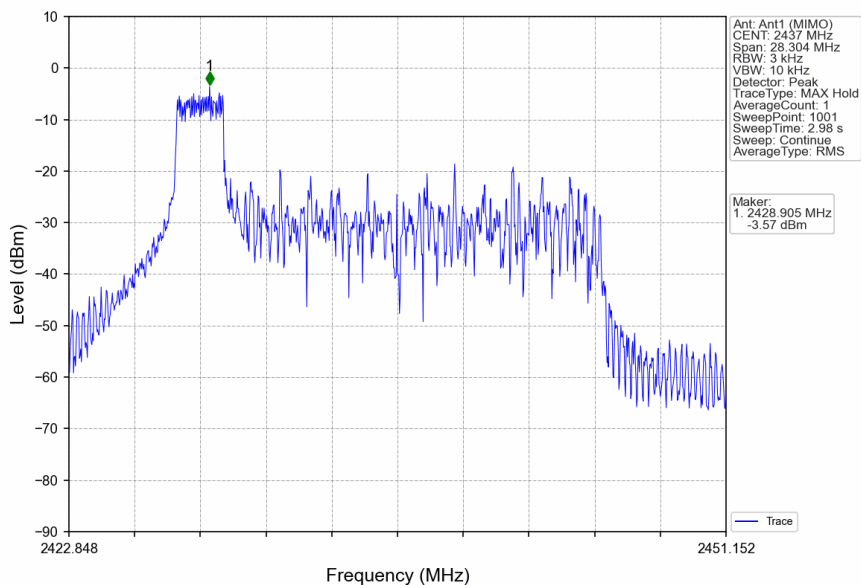
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant2 (MIMO)_NTNV



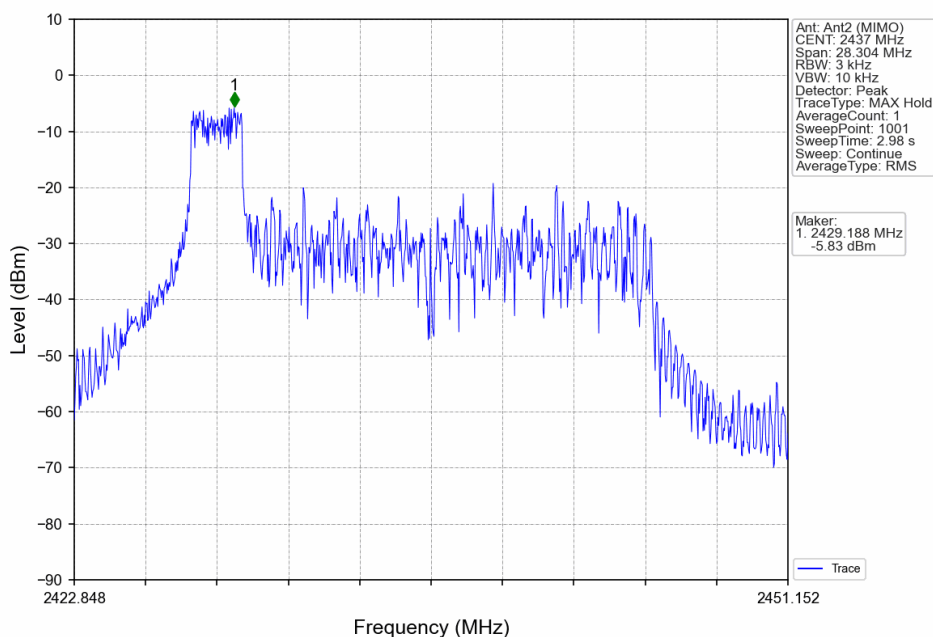
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_MIMO_NTNV



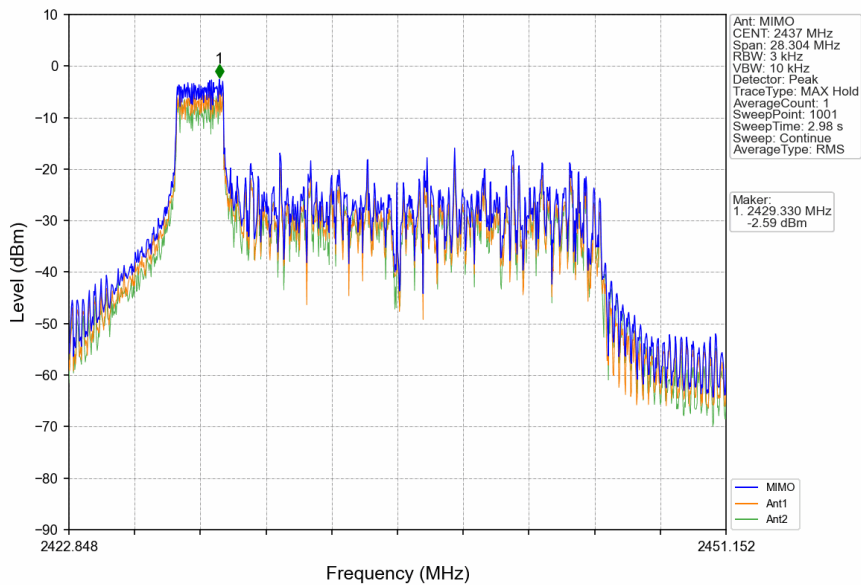
802.11ax(HEW20)_MCH_2437MHz_RU26_Left_Ant1 (MIMO)_NTNV



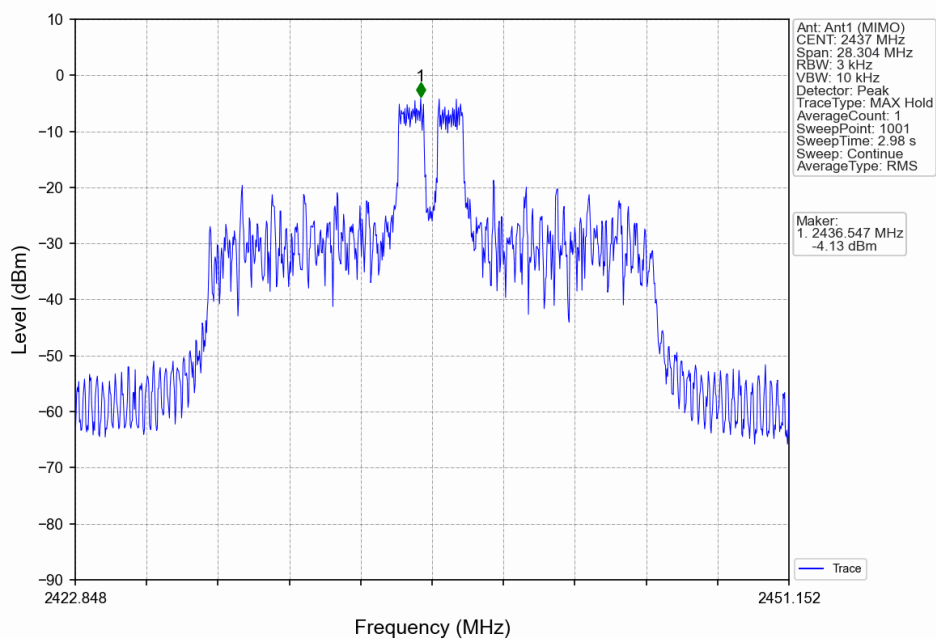
802.11ax(HEW20)_MCH_2437MHz_RU26_Left_Ant2 (MIMO)_NTNV



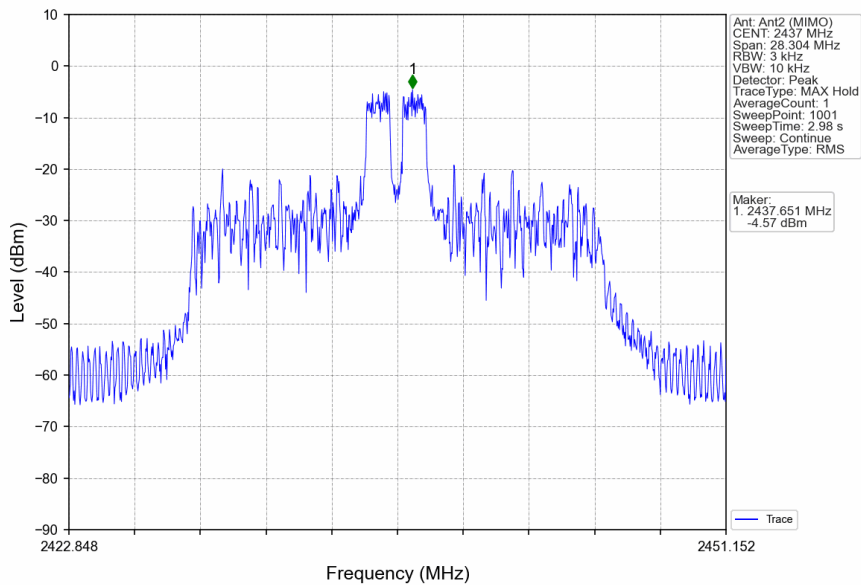
802.11ax(HEW20)_MCH_2437MHz_RU26_Left_MIMO_NTNV



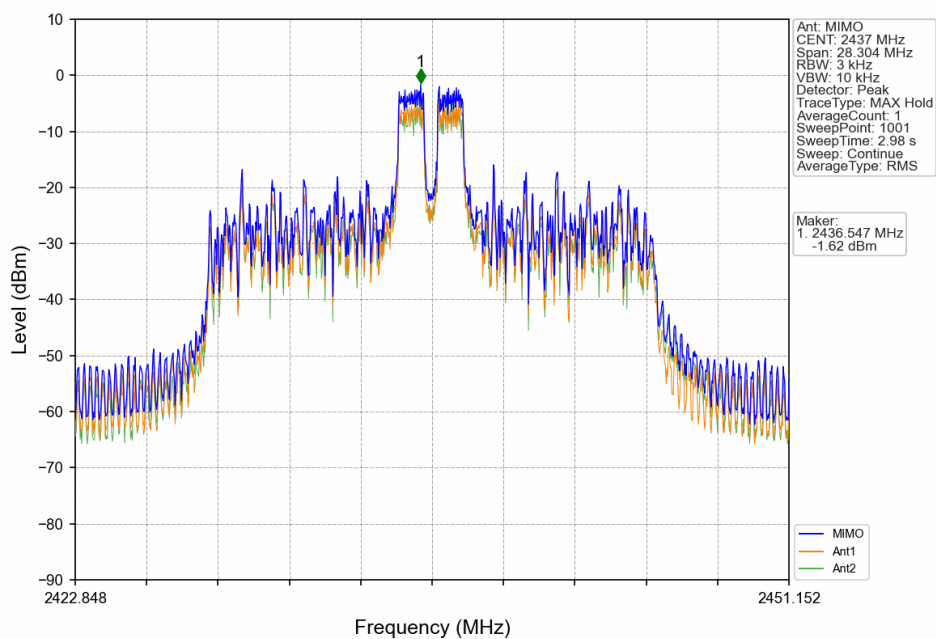
802.11ax(HEW20)_MCH_2437MHz_RU26_Mid_Ant1 (MIMO)_NTNV



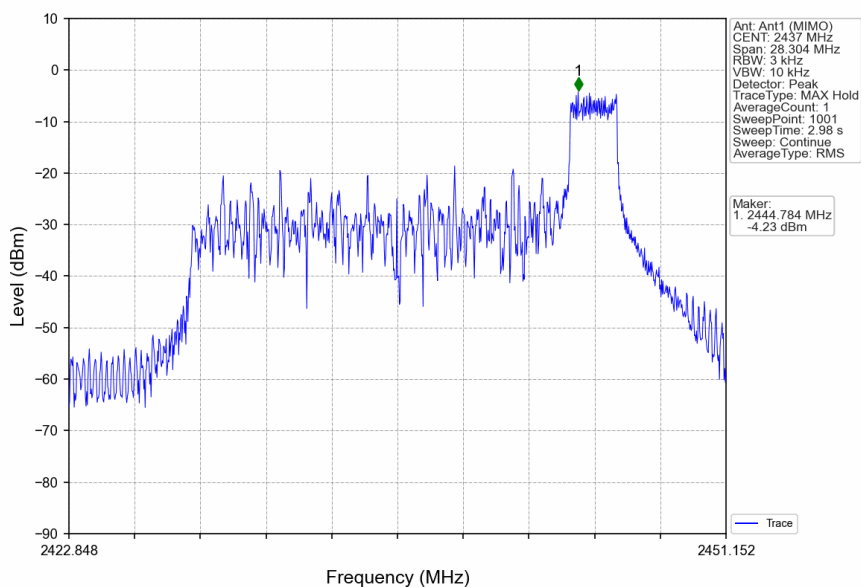
802.11ax(HEW20)_MCH_2437MHz_RU26_Mid_Ant2 (MIMO)_NTNV



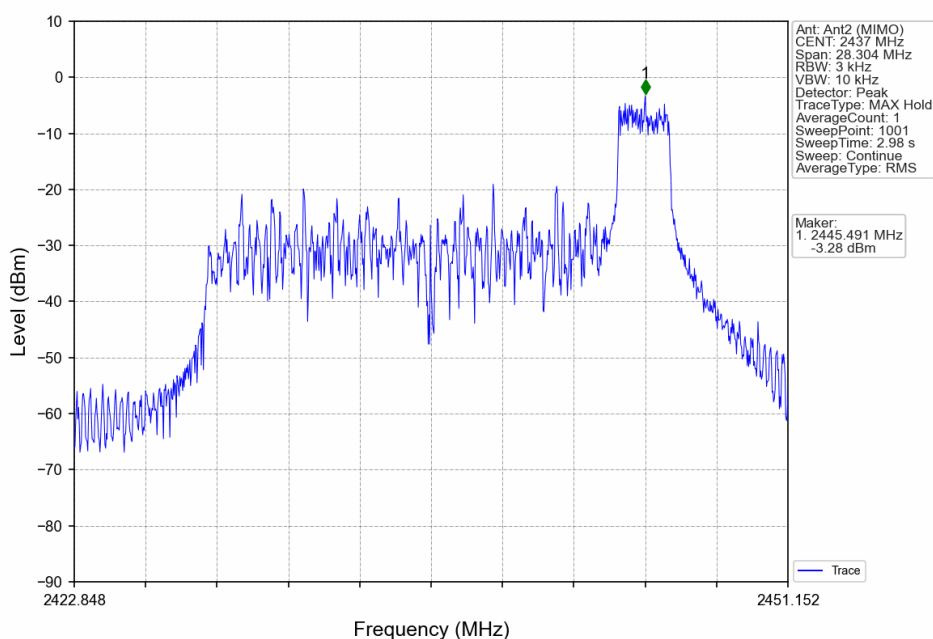
802.11ax(HEW20)_MCH_2437MHz_RU26_Mid_MIMO_NTNV



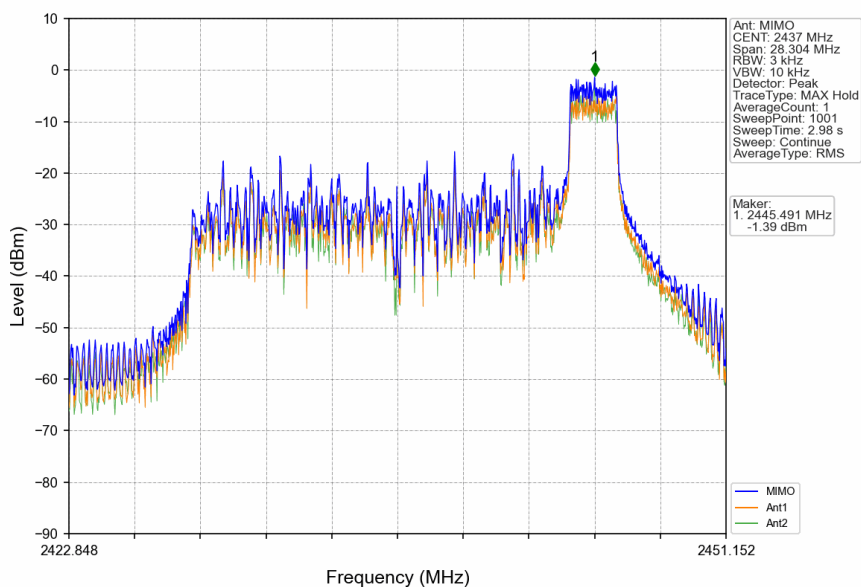
802.11ax(HEW20)_MCH_2437MHz_RU26_Right_Ant1 (MIMO)_NTNV



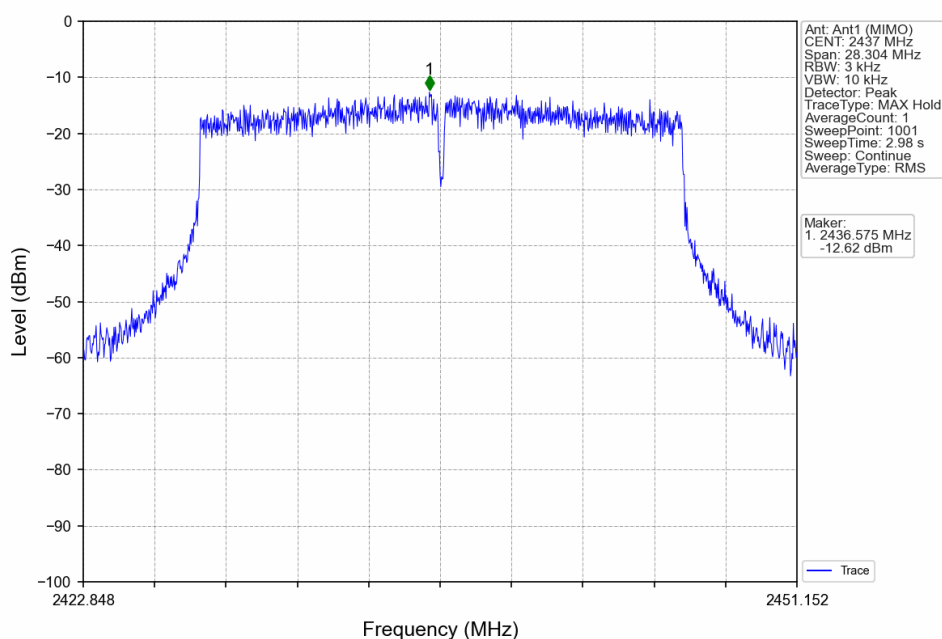
802.11ax(HEW20)_MCH_2437MHz_RU26_Right_Ant2 (MIMO)_NTNV



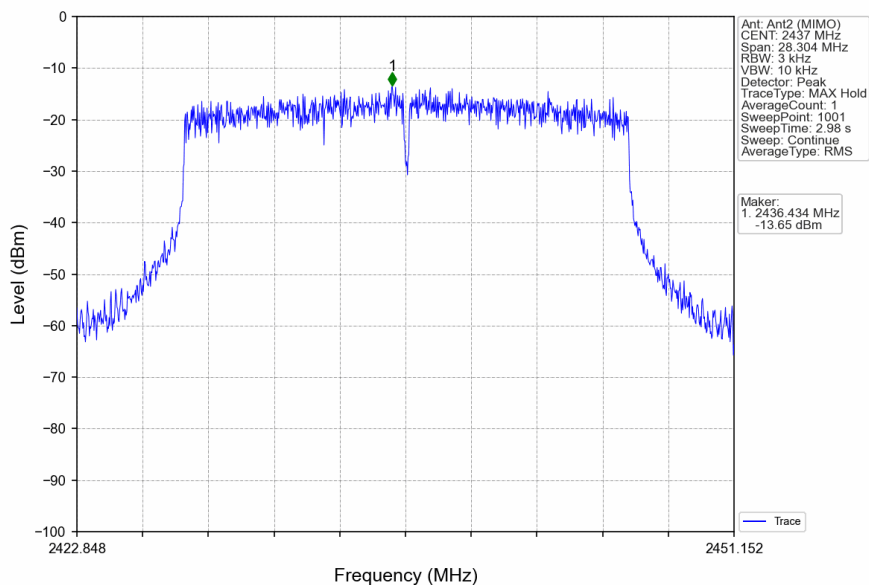
802.11ax(HEW20)_MCH_2437MHz_RU26_Right_MIMO_NTNV



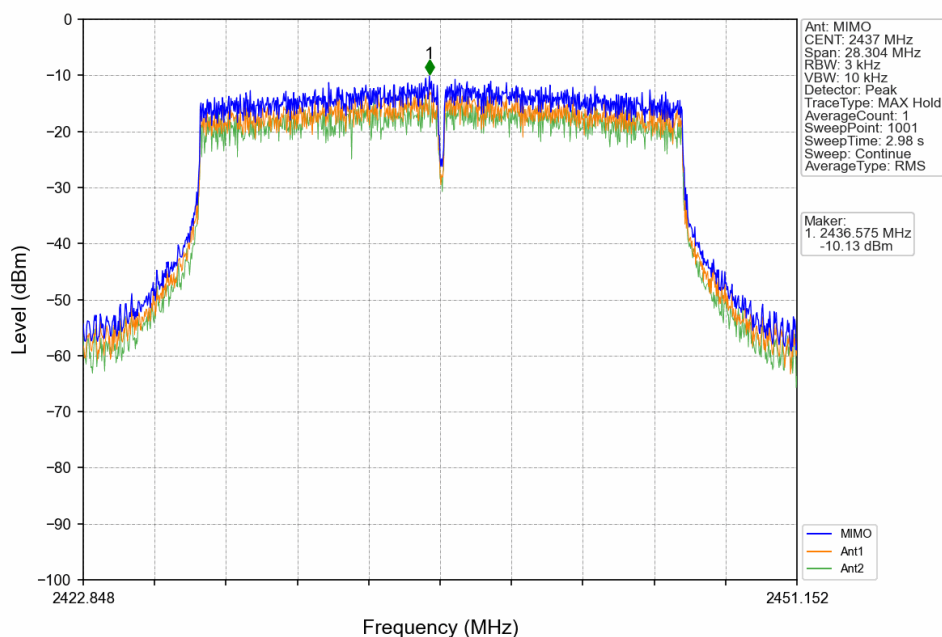
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



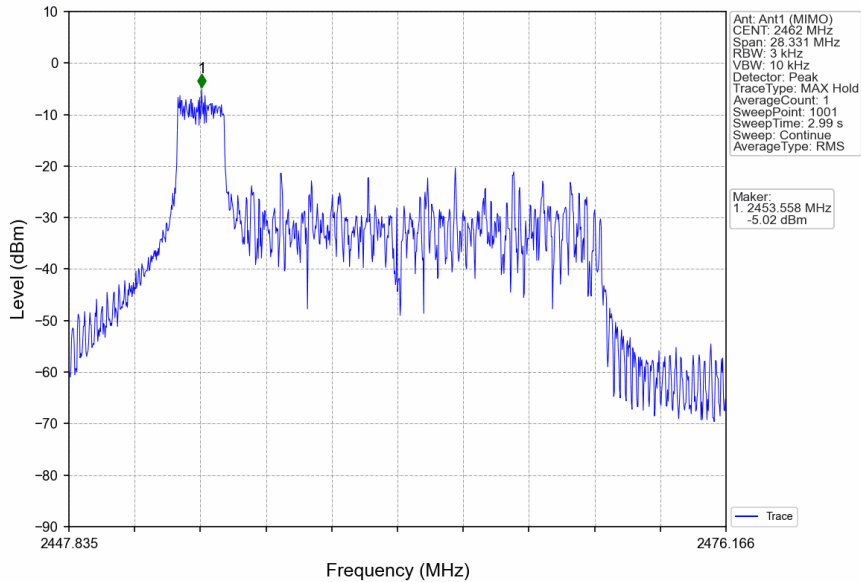
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant2 (MIMO)_NTNV



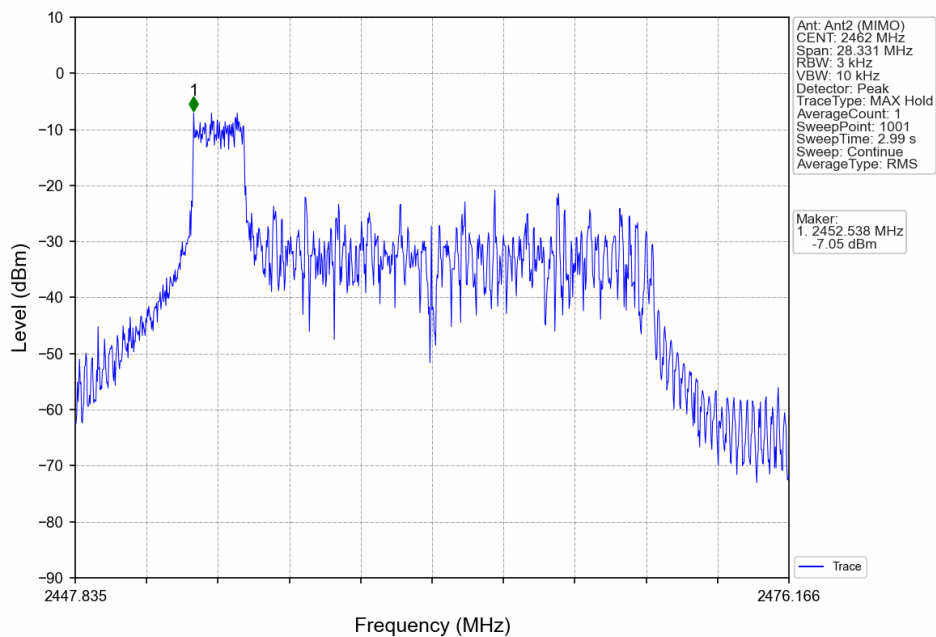
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_MIMO_NTNV



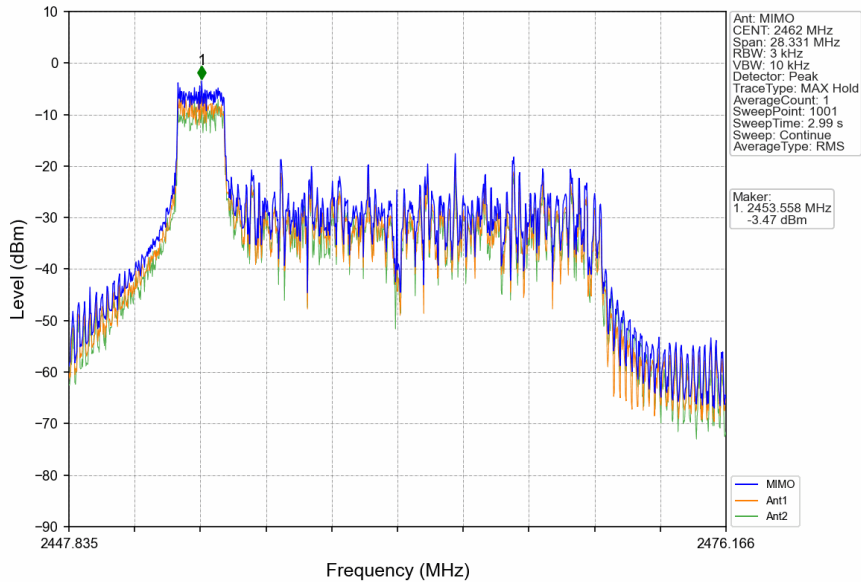
802.11ax(HEW20)_HCH_2462MHz_RU26_Left_Ant1 (MIMO)_NTNV



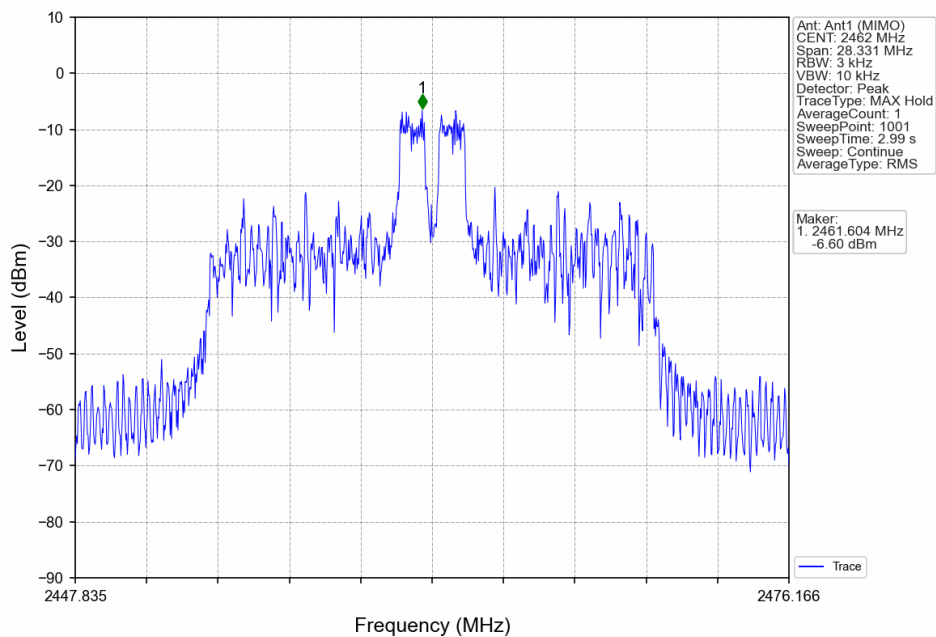
802.11ax(HEW20)_HCH_2462MHz_RU26_Left_Ant2 (MIMO)_NTNV



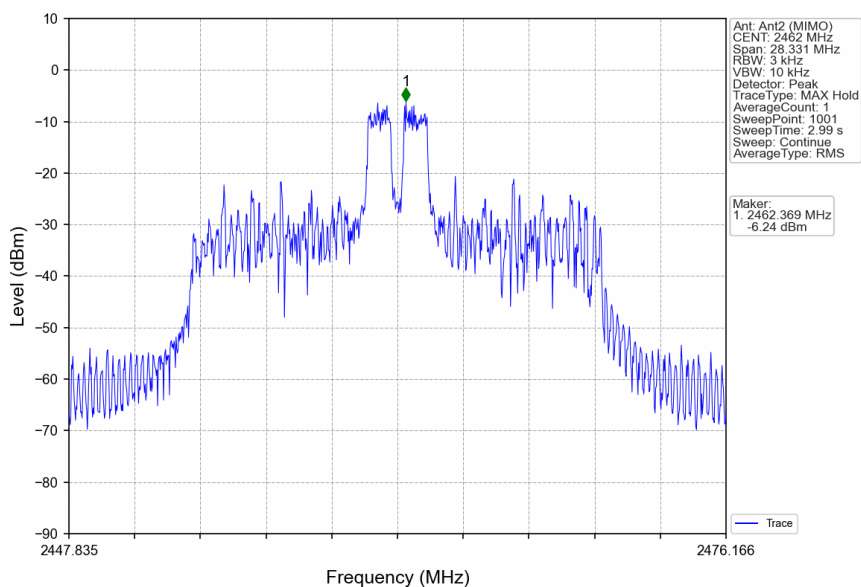
802.11ax(HEW20)_HCH_2462MHz_RU26_Left_MIMO_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU26_Mid_Ant1 (MIMO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU26_Mid_Ant2 (MIMO)_NTNV



802.11ax(HEW20)_HCH_2462MHz_RU26_Mid_MIMO_NTNV

