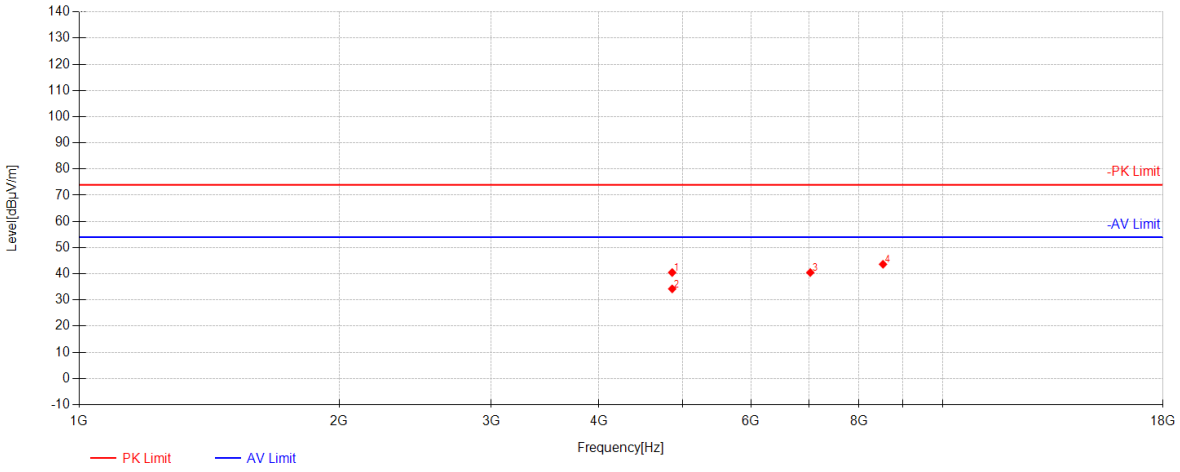
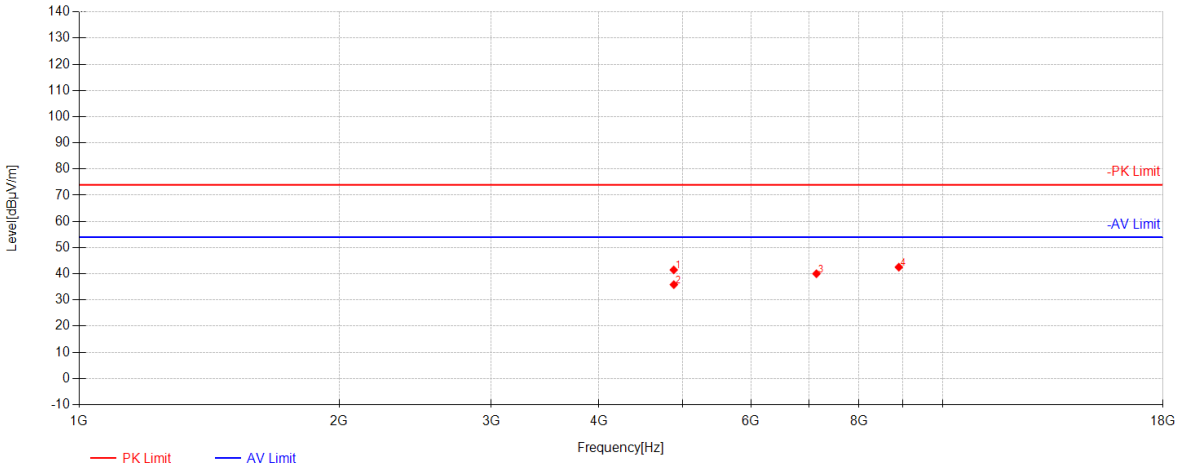
802.11ax40_Channel 06



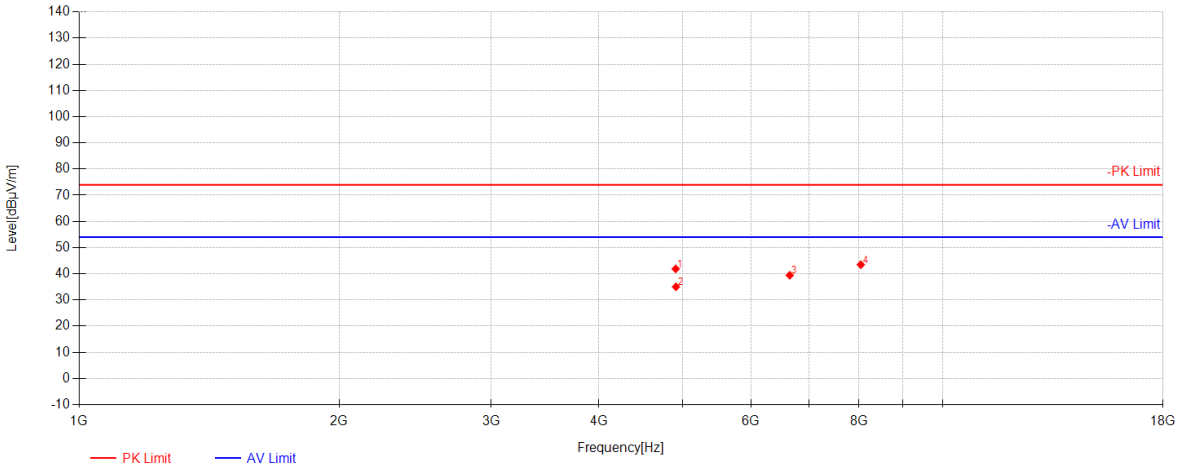
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4861.5	54.83	31.18	-45.53	40.47	74.00	33.53	Horizontal
2	4861.875	48.58	31.18	-45.53	34.23	54.00	19.77	Horizontal
3	7026.75	49.12	35.07	-43.73	40.47	74.00	33.53	Horizontal
4	8530.125	48.39	36.78	-41.53	43.64	74.00	30.36	Horizontal

802.11ax40_Channel 06



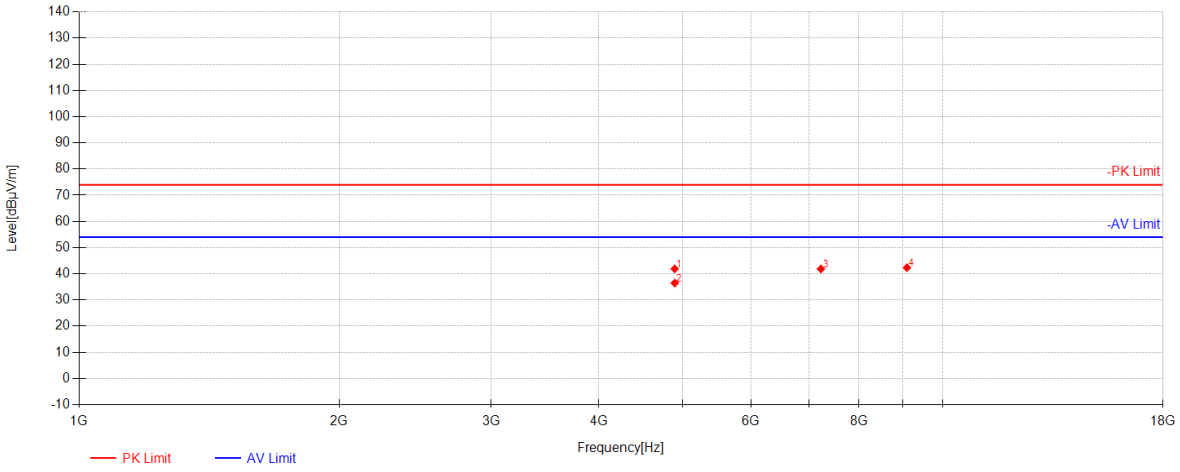
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4882.125	55.80	31.21	-45.53	41.48	74.00	32.52	Vertical
2	4884	50.17	31.21	-45.53	35.85	54.00	18.15	Vertical
3	7142.625	48.49	35.40	-43.87	40.02	74.00	33.98	Vertical
4	8898	47.20	36.56	-41.24	42.52	74.00	31.48	Vertical

802.11ax40_Channel 09



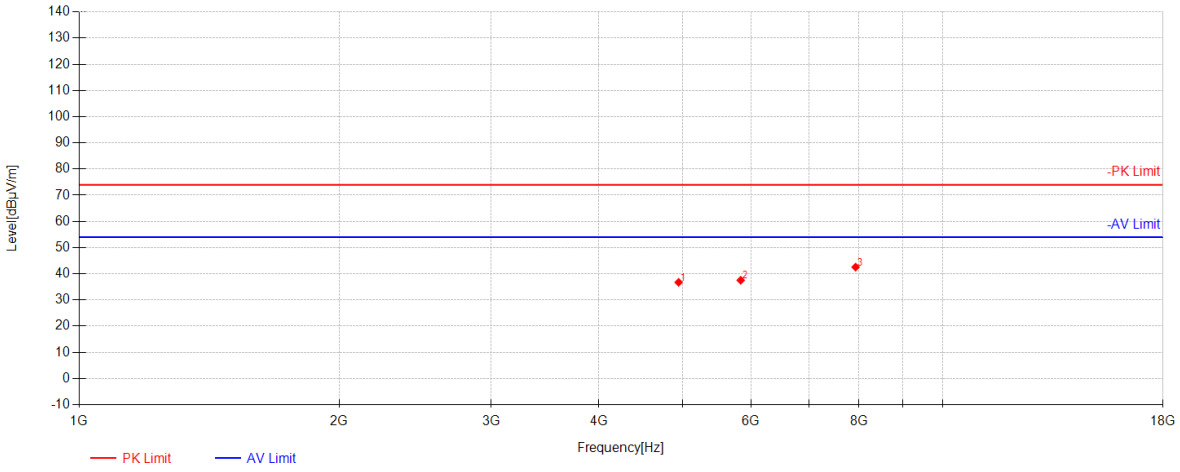
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4907.25	56.17	31.25	-45.54	41.88	74.00	32.12	Horizontal
2	4911	49.30	31.26	-45.54	35.02	54.00	18.98	Horizontal
3	6651.75	49.13	34.37	-44.07	39.43	74.00	34.57	Horizontal
4	8039.625	48.35	37.08	-41.96	43.47	74.00	30.53	Horizontal

802.11ax40_Channel 09



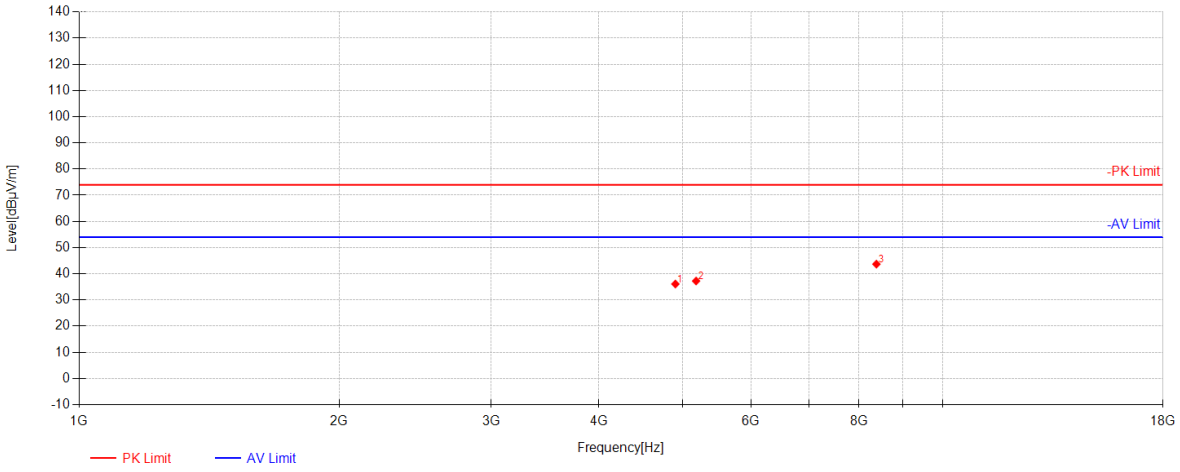
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4894.5	56.19	31.23	-45.53	41.89	74.00	32.11	Vertical
2	4895.625	50.75	31.23	-45.53	36.45	54.00	17.55	Vertical
3	7227.75	49.71	35.64	-43.51	41.84	74.00	32.16	Vertical
4	9093.375	46.05	36.69	-40.39	42.34	74.00	31.66	Vertical

802.11g_Channel 01



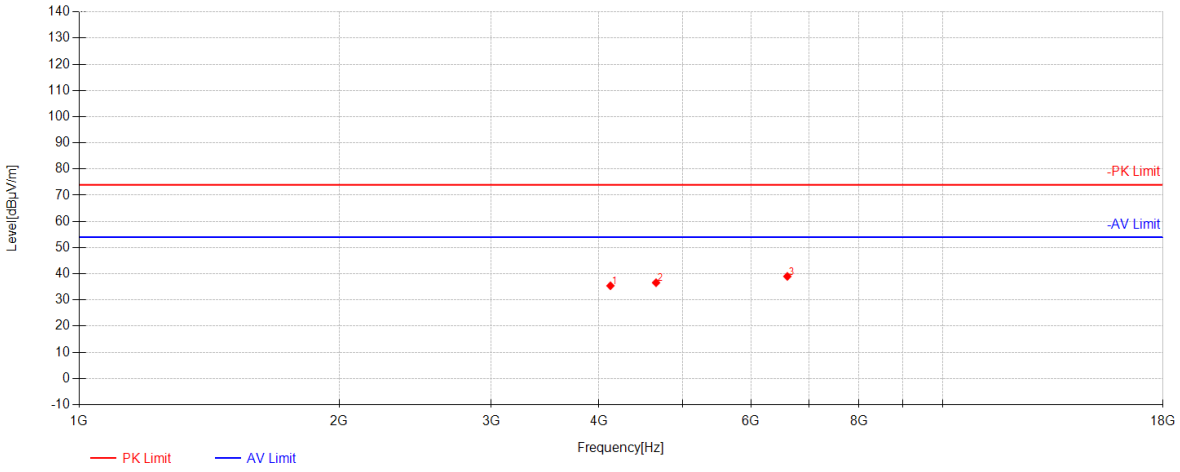
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4945.875	51.01	31.31	-45.58	36.74	74.00	37.26	Horizontal
2	5836.5	49.99	32.37	-44.83	37.53	74.00	36.47	Horizontal
3	7928.25	48.23	37.00	-42.69	42.54	74.00	31.46	Horizontal

802.11g_Channel 01



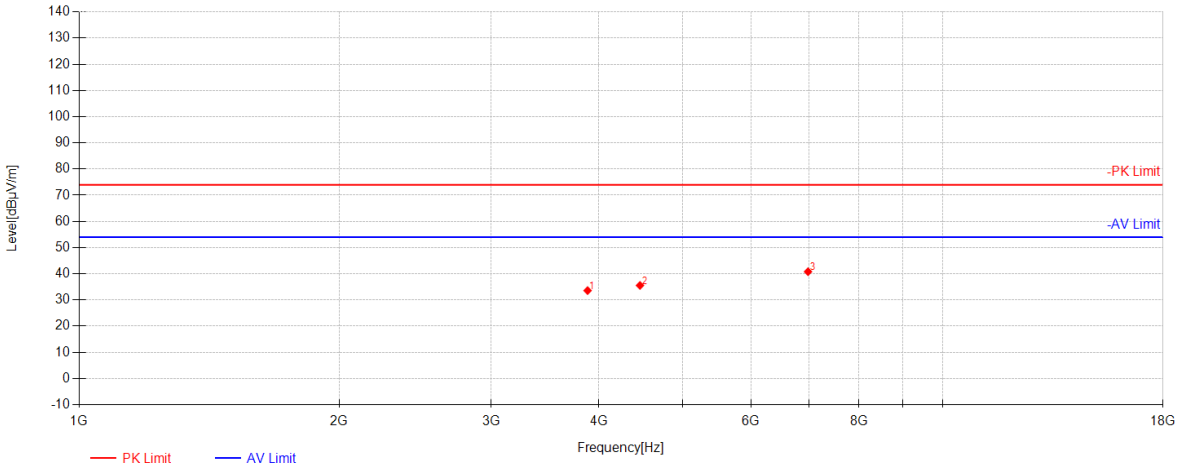
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4903.5	50.39	31.25	-45.53	36.10	74.00	37.90	Vertical
2	5182.125	50.82	31.73	-45.30	37.25	74.00	36.75	Vertical
3	8381.625	48.37	36.87	-41.55	43.69	74.00	30.31	Vertical

802.11g_Channel 06



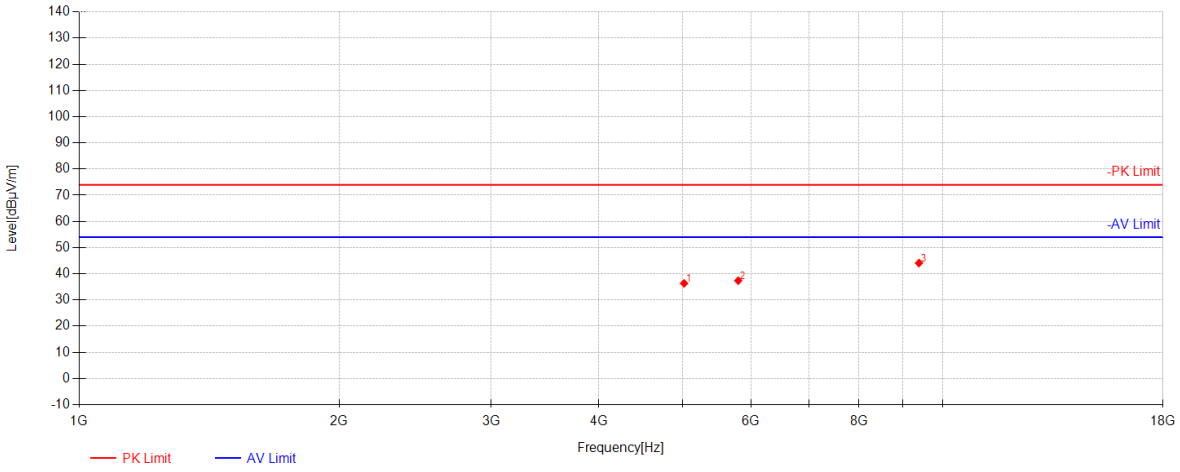
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4123.875	51.49	29.70	-45.76	35.42	74.00	38.58	Horizontal
2	4657.5	51.37	30.85	-45.63	36.59	74.00	37.41	Horizontal
3	6609.375	48.99	34.30	-44.30	38.99	74.00	35.01	Horizontal

802.11g_Channel 06



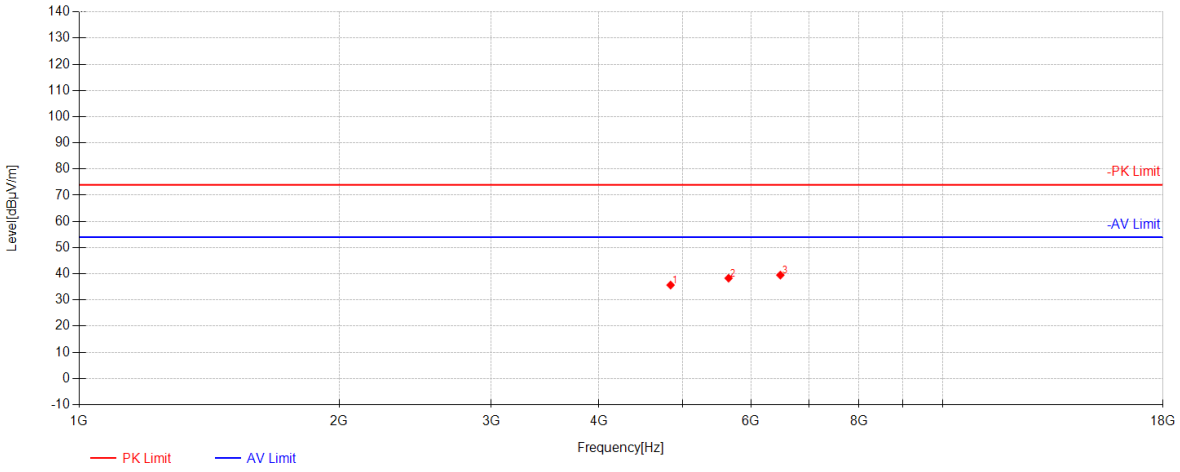
Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	3879.75	50.58	29.21	-46.21	33.58	74.00	40.42	Vertical
2	4461.375	50.80	30.51	-45.75	35.55	74.00	38.45	Vertical
3	6984.375	49.47	34.97	-43.64	40.81	74.00	33.19	Vertical

802.11g_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	5018.25	50.50	31.43	-45.59	36.34	74.00	37.66	Horizontal
2	5797.875	49.76	32.36	-44.75	37.37	74.00	36.63	Horizontal
3	9389.25	46.69	37.28	-39.87	44.10	74.00	29.90	Horizontal

802.11g_Channel 11



Data List								
NO.	Frequency [MHz]	Reading [dBµV]	AF [dB/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Polarity
1	4840.875	50.08	31.15	-45.54	35.69	74.00	38.31	Vertical
2	5650.875	50.95	32.33	-44.96	38.32	74.00	35.68	Vertical
3	6487.5	50.02	34.06	-44.59	39.49	74.00	34.51	Vertical

7.5 Conducted Average Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)
Test Method: ANSI C63.10 (2013) Section 11.9.2

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥50 hopping channels
	0.25 for 25≤ hopping channels <50
	1 for digital modulation
2400-2483.5	1 for ≥75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

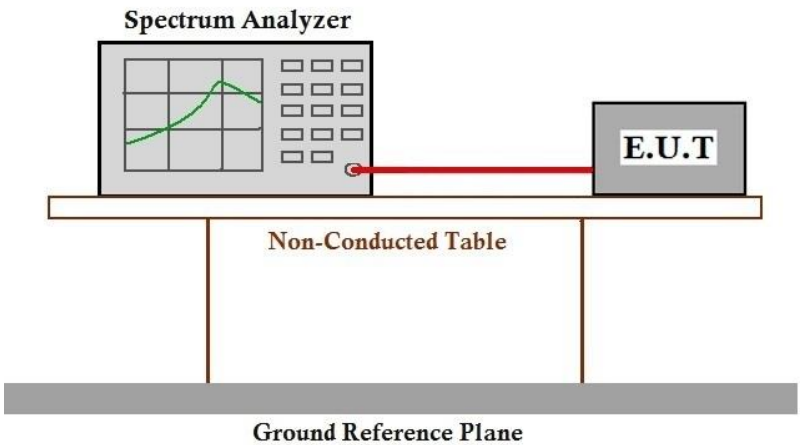
7.5.1 E.U.T. Operation

Operating Environment:
Temperature: 18.2 °C Humidity: 46.5 % RH Atmospheric Pressure: 1010 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HE20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HE40). Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details

7.6 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2)
Test Method: ANSI C63.10 (2013) Section 11.8.1

Limit:

≥500 kHz

7.6.1 E.U.T. Operation

Operating Environment:
Temperature: 18.2 °C Humidity: 46.5 % RH Atmospheric Pressure: 1010 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HE20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HE40). Only the data of worst case is recorded in the report.

7.6.3 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 Power Spectrum Density

Test Requirement 47 CFR Part 15, Subpart C 15.247(e)
Test Method: ANSI C63.10 (2013) Section 11.10.2

Limit:
≤8dBm in any 3 kHz band during any time interval of continuous transmission

7.7.1 E.U.T. Operation

Operating Environment:
Temperature: 18.2 °C Humidity: 46.5 % RH Atmospheric Pressure: 1010 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HE20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HE40). Only the data of worst case is recorded in the report.

7.7.3 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)
Test Method: ANSI C63.10 (2013) Section 11.13.3.2

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 18.2 °C Humidity: 46.5 % RH Atmospheric Pressure: 1010 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HE20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HE40). Only the data of worst case is recorded in the report.

7.8.3 Measurement Procedure and Data

Please Refer to Appendix for Details

7.9 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)
Test Method: ANSI C63.10 (2013) Section 11.11

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 18.2 °C Humidity: 46.5 % RH Atmospheric Pressure: 1010 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HE20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HE40). Only the data of worst case is recorded in the report.

7.9.3 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for KSCR2412002626AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix_Photographs of EUT Constructional Details for KSCR2412002626AT

10 Appendix

1. Duty Cycle

1.1 Test Result

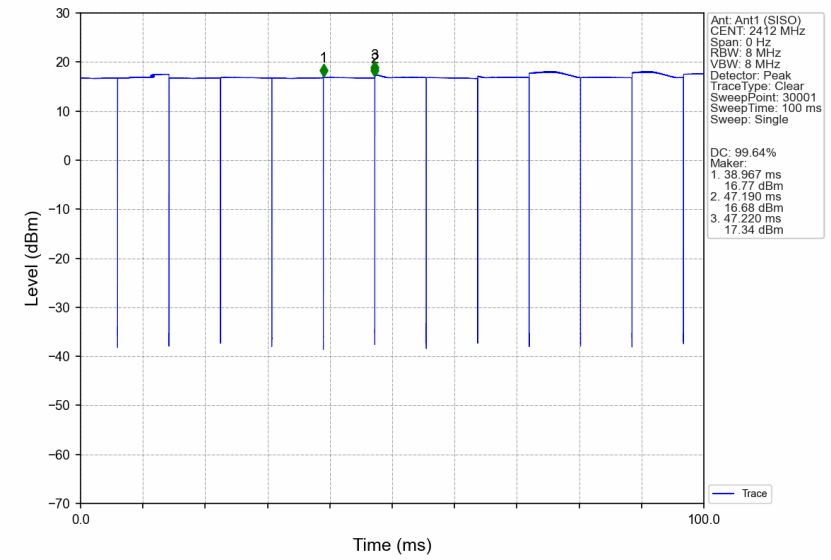
1.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.223	8.253	99.64	0.02	0.04
		2437	/	/	8.224	8.254	99.64	0.02	0.04
		2462	/	/	8.224	8.252	99.66	0.01	0.03
802.11g	SISO	2412	/	/	1.364	1.401	97.36	0.12	0.03
		2437	/	/	1.364	1.406	97.01	0.13	0.39
		2462	/	/	1.363	1.400	97.36	0.12	0.03
802.11n (HT20)	SISO	2412	/	/	1.276	1.313	97.18	0.12	0.03
		2437	/	/	1.276	1.312	97.26	0.12	0.03
		2462	/	/	1.276	1.312	97.26	0.12	0.03
802.11n (HT40)	SISO	2422	/	/	0.639	0.671	95.23	0.21	0.07
		2437	/	/	0.639	0.672	95.09	0.22	0.00
		2452	/	/	0.637	0.671	94.93	0.23	0.07
802.11ax (HE20)	SISO	2412	RU242	Left	1.003	1.036	96.81	0.14	0.07
		2437	RU242	Left	1.002	1.035	96.81	0.14	0.03
		2462	RU242	Left	0.999	1.035	96.52	0.15	0.03
802.11ax (HE40)	SISO	2422	RU484	Left	0.533	0.567	94.00	0.27	0.07
		2437	RU484	Left	0.533	0.566	94.17	0.26	0.07
		2452	RU484	Left	0.533	0.567	94.00	0.27	0.04

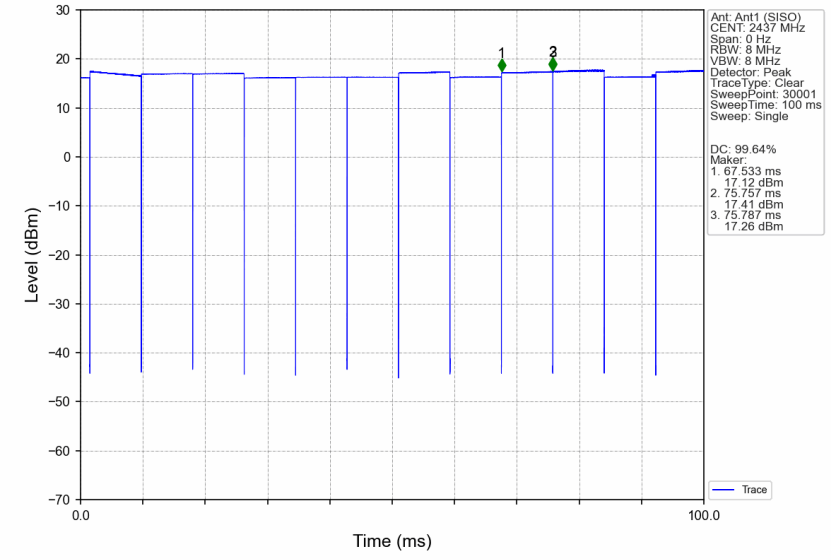
1.2 Test Graph

1.2.1 Ant1

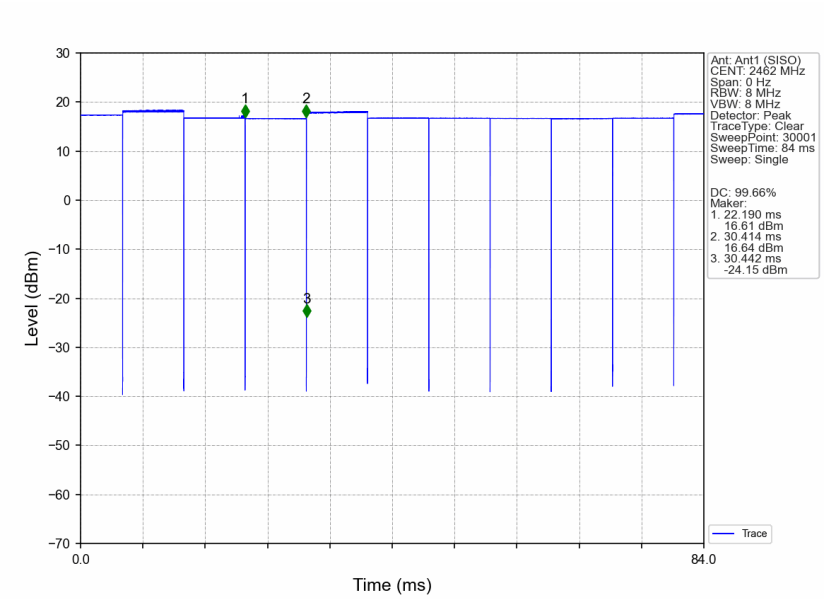
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



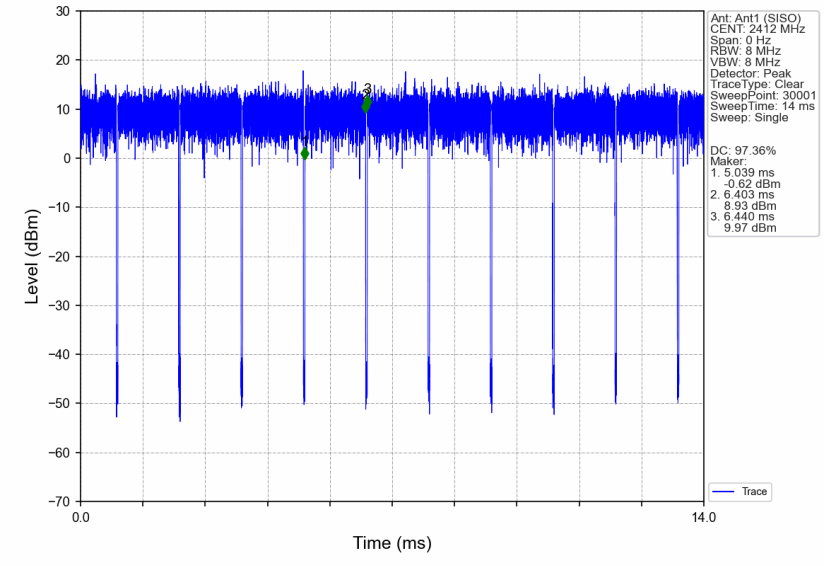
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



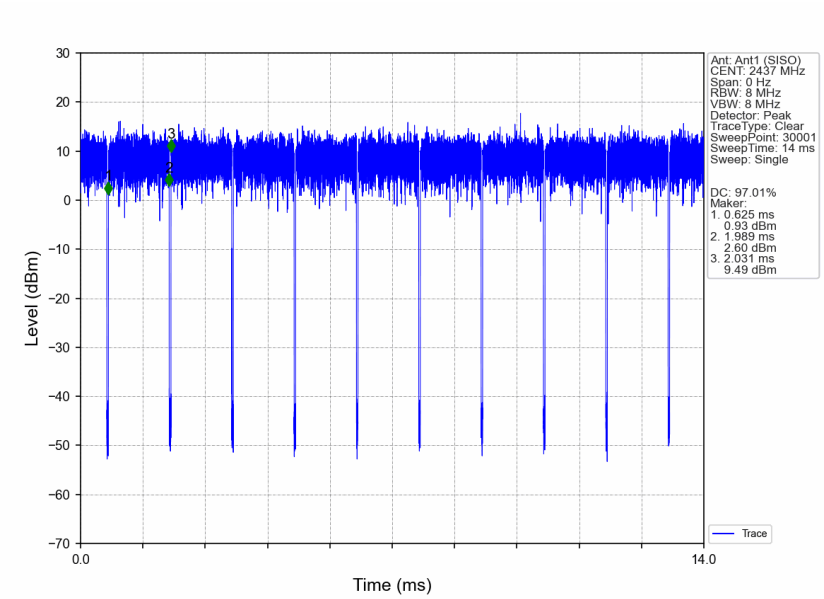
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



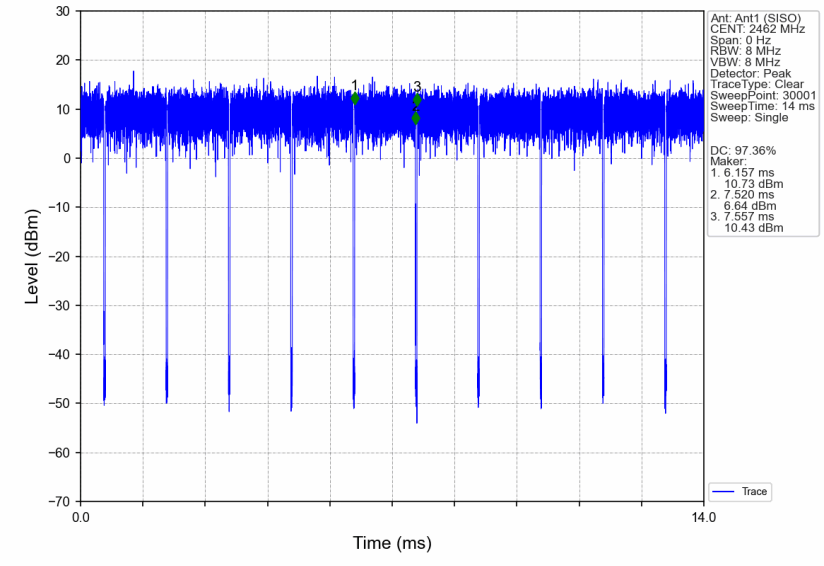
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



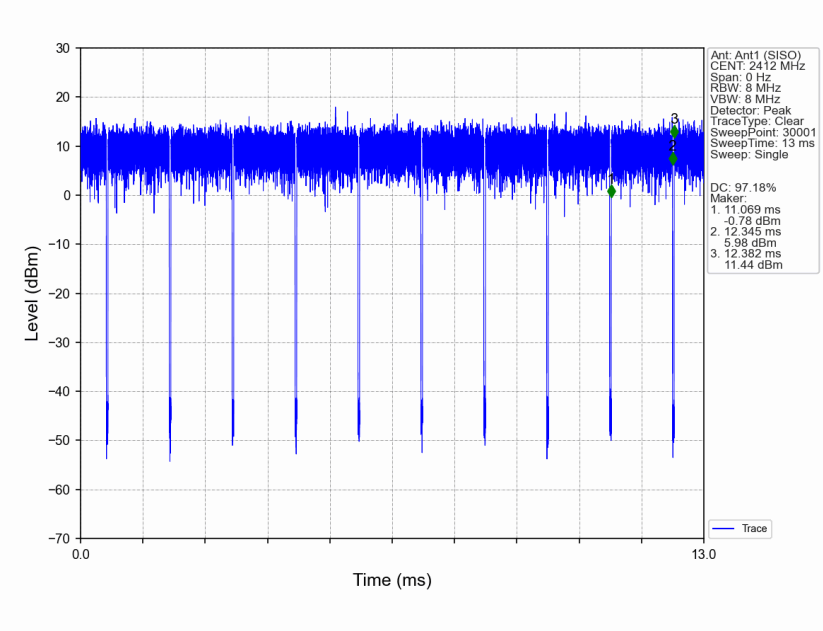
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



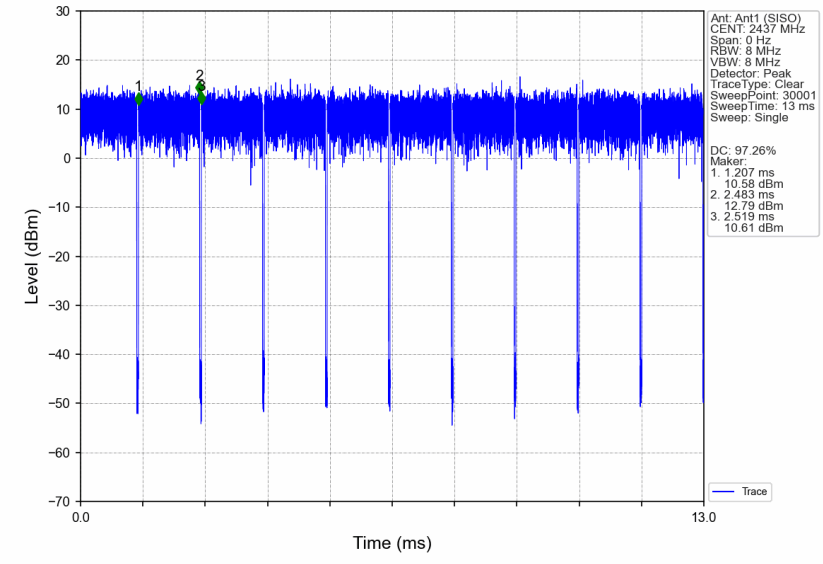
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



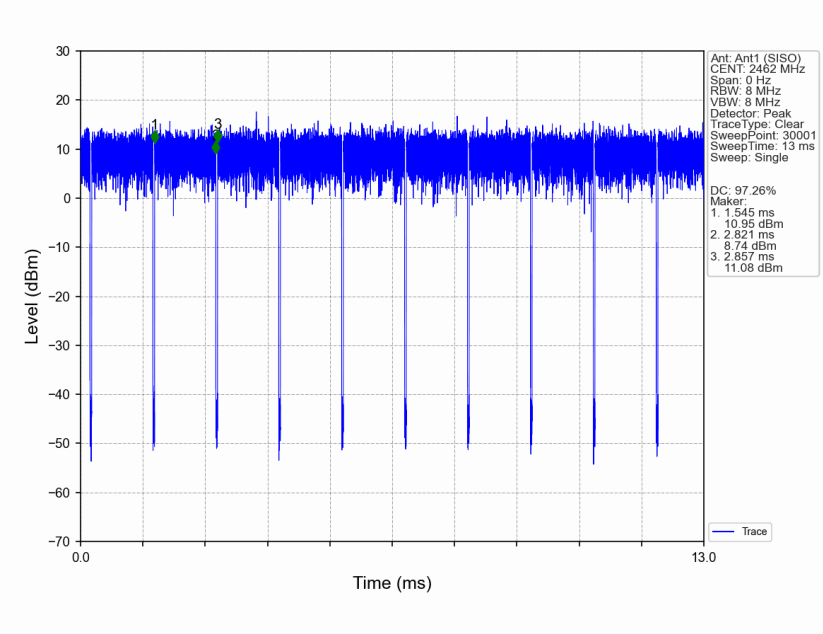
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



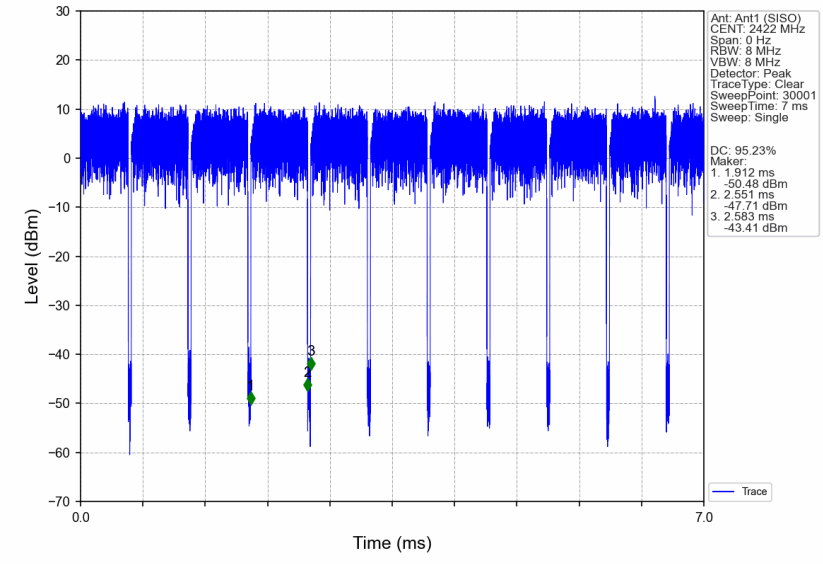
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



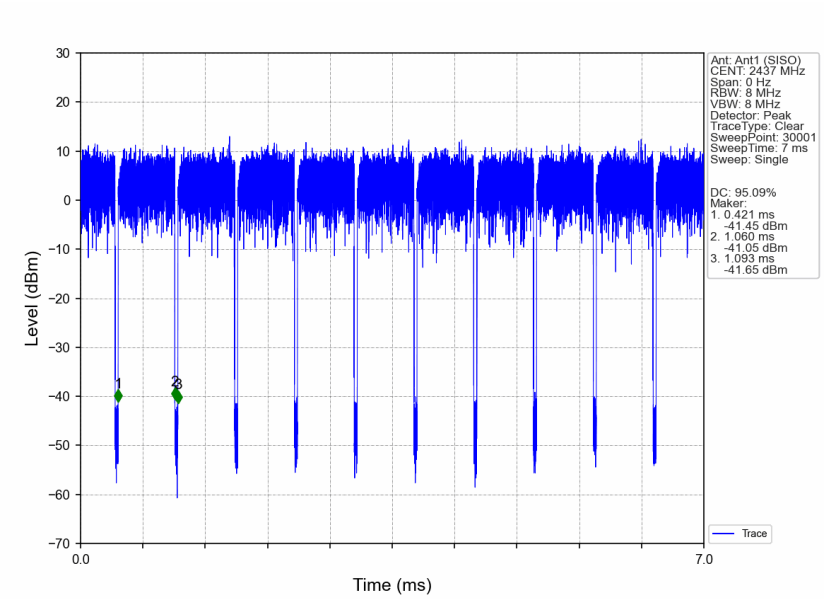
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



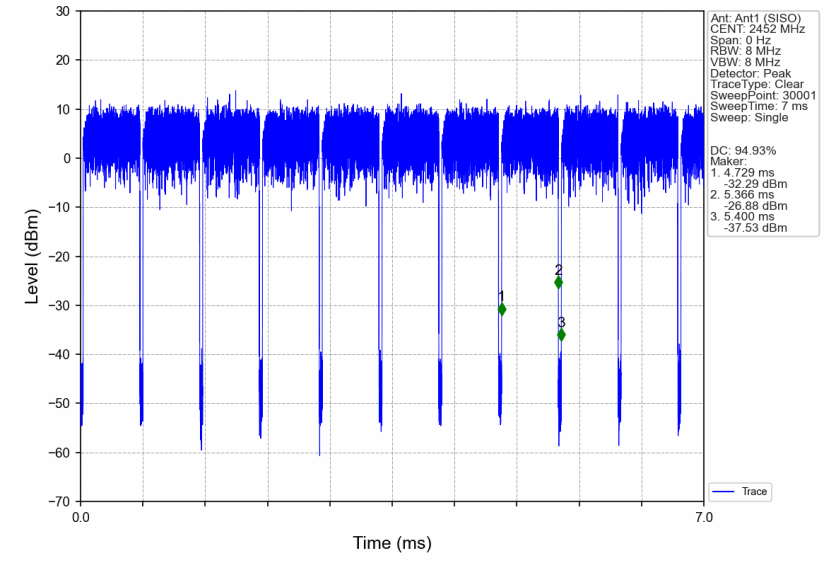
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



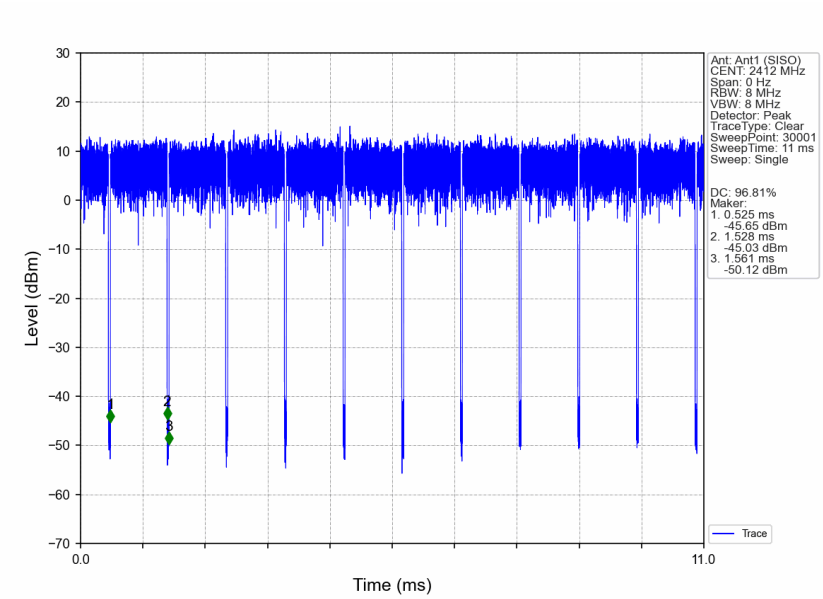
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



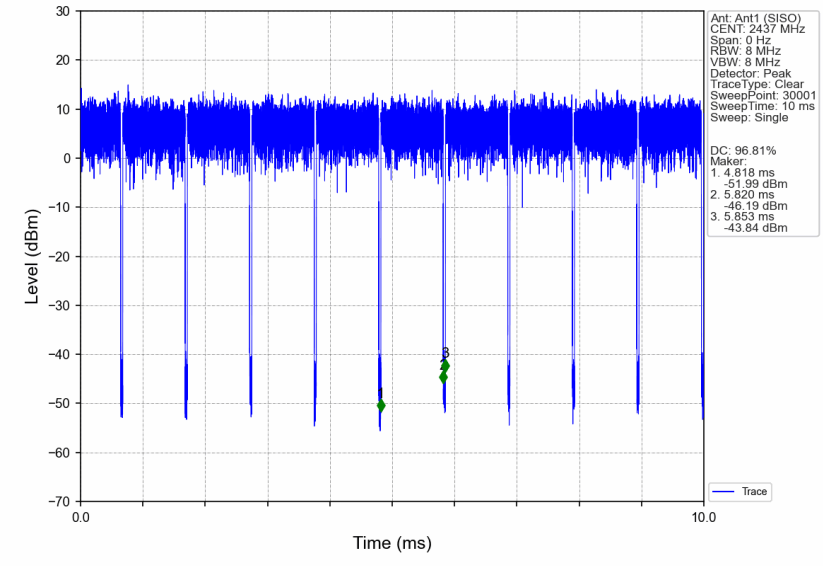
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



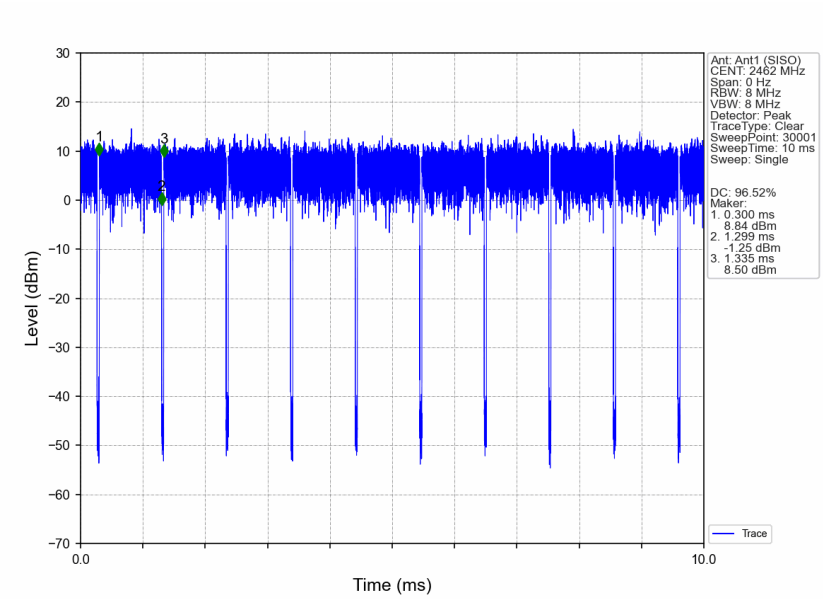
802.11ax(HE20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



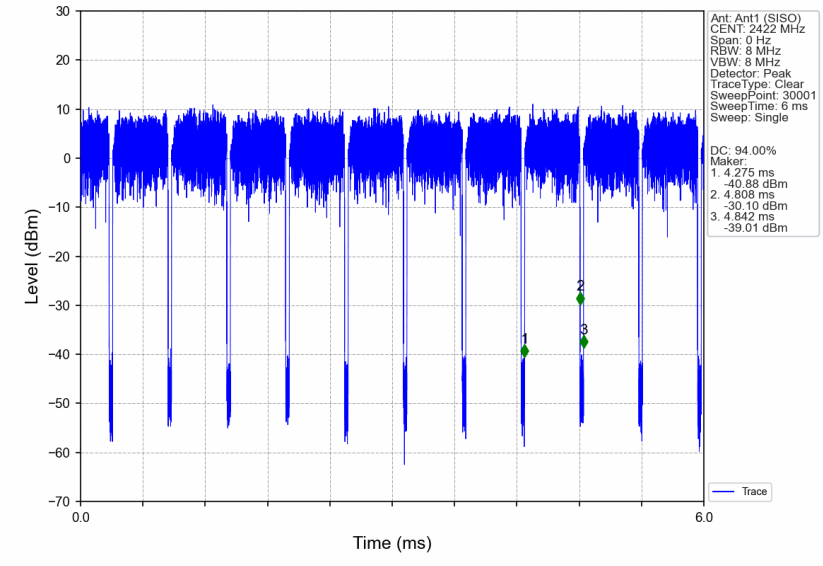
802.11ax(HE20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



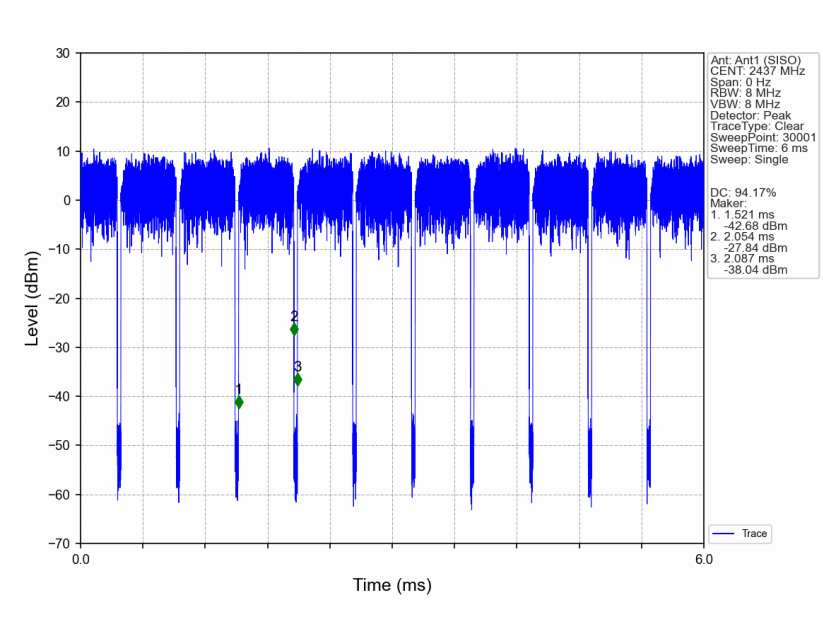
802.11ax(HE20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



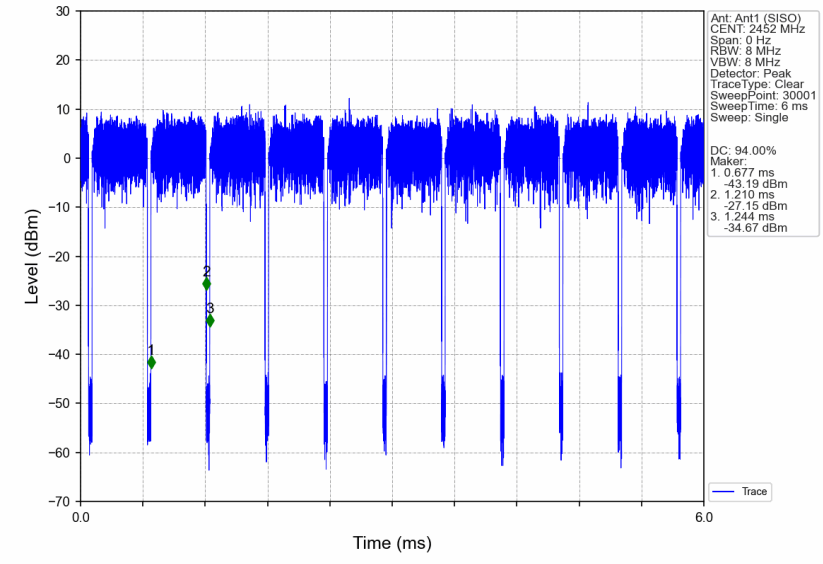
802.11ax(HE40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HE40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HE40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	14.863	/	Pass
		2437	/	/	1	14.864	/	Pass
		2462	/	/	1	14.911	/	Pass
802.11g	SISO	2412	/	/	1	18.583	/	Pass
		2437	/	/	1	18.442	/	Pass
		2462	/	/	1	18.462	/	Pass
802.11n (HT20)	SISO	2412	/	/	1	19.492	/	Pass
		2437	/	/	1	19.313	/	Pass
		2462	/	/	1	19.408	/	Pass
802.11n (HT40)	SISO	2422	/	/	1	37.361	/	Pass
		2437	/	/	1	37.371	/	Pass
		2452	/	/	1	37.440	/	Pass
802.11ax (HE20)	SISO	2412	RU242	Left	1	19.757	/	Pass
		2437	RU242	Left	1	19.784	/	Pass
		2462	RU242	Left	1	19.802	/	Pass
802.11ax (HE40)	SISO	2422	RU484	Left	1	38.291	/	Pass
		2437	RU484	Left	1	38.321	/	Pass
		2452	RU484	Left	1	38.332	/	Pass

2.1.2 6dB BW

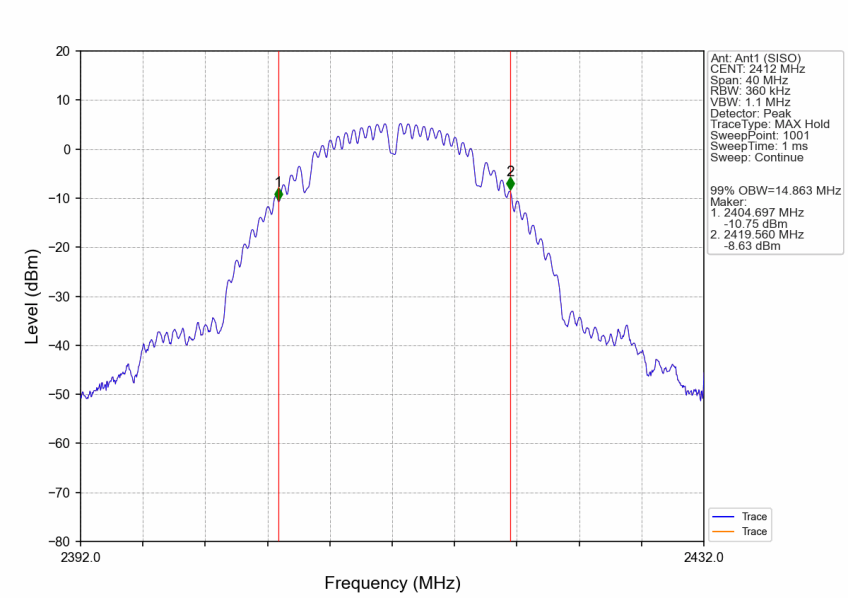
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	SISO	2412	/	/	1	9.145	>=0.5	Pass
		2437	/	/	1	10.068	>=0.5	Pass
		2462	/	/	1	10.062	>=0.5	Pass
802.11g	SISO	2412	/	/	1	15.463	>=0.5	Pass
		2437	/	/	1	15.792	>=0.5	Pass
		2462	/	/	1	16.046	>=0.5	Pass
802.11n (HT20)	SISO	2412	/	/	1	15.435	>=0.5	Pass
		2437	/	/	1	16.476	>=0.5	Pass
		2462	/	/	1	15.488	>=0.5	Pass
802.11n (HT40)	SISO	2422	/	/	1	35.169	>=0.5	Pass
		2437	/	/	1	35.168	>=0.5	Pass
		2452	/	/	1	35.168	>=0.5	Pass
802.11ax (HE20)	SISO	2412	RU242	Left	1	18.177	>=0.5	Pass
		2437	RU242	Left	1	17.739	>=0.5	Pass
		2462	RU242	Left	1	17.536	>=0.5	Pass
802.11ax (HE40)	SISO	2422	RU484	Left	1	36.168	>=0.5	Pass
		2437	RU484	Left	1	36.925	>=0.5	Pass

		2452	RU484	Left	1	36.389	>=0.5	Pass

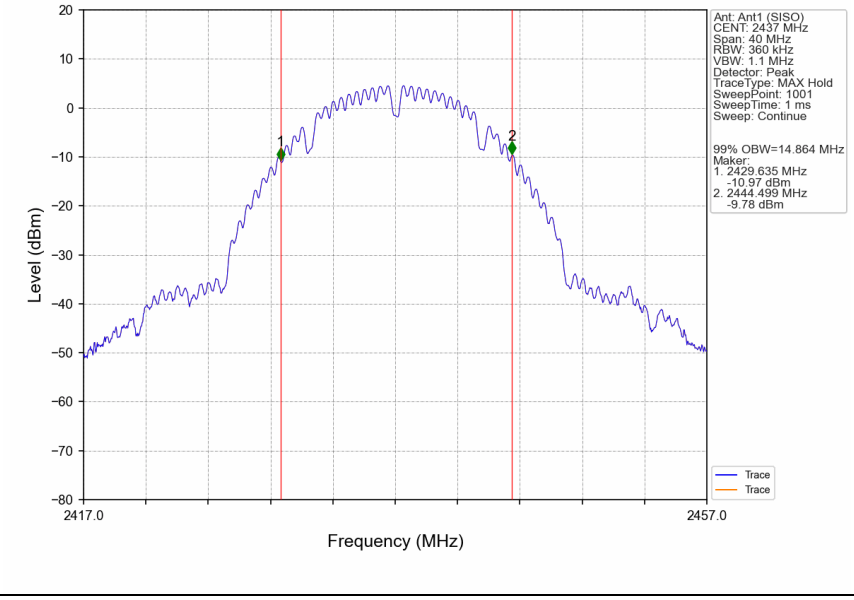
2.2 Test Graph

2.2.1 OBW

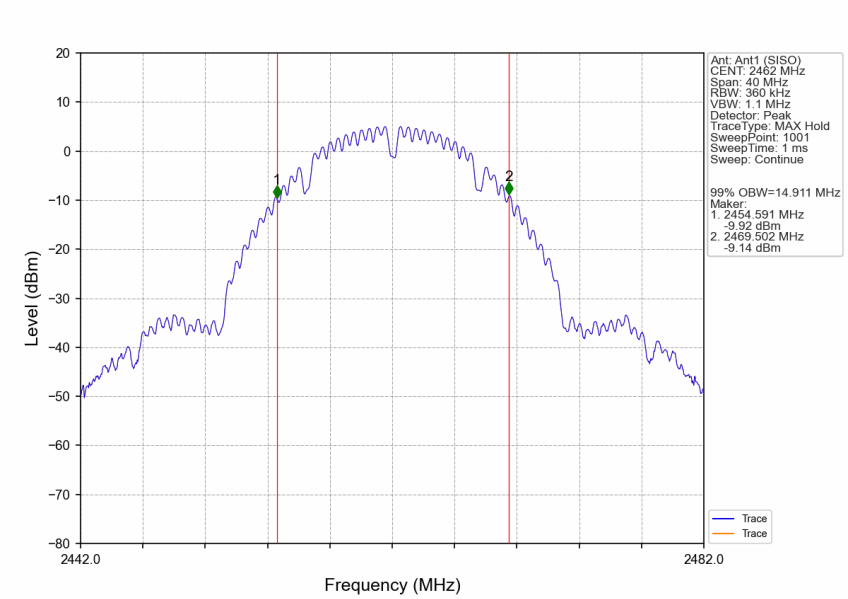
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



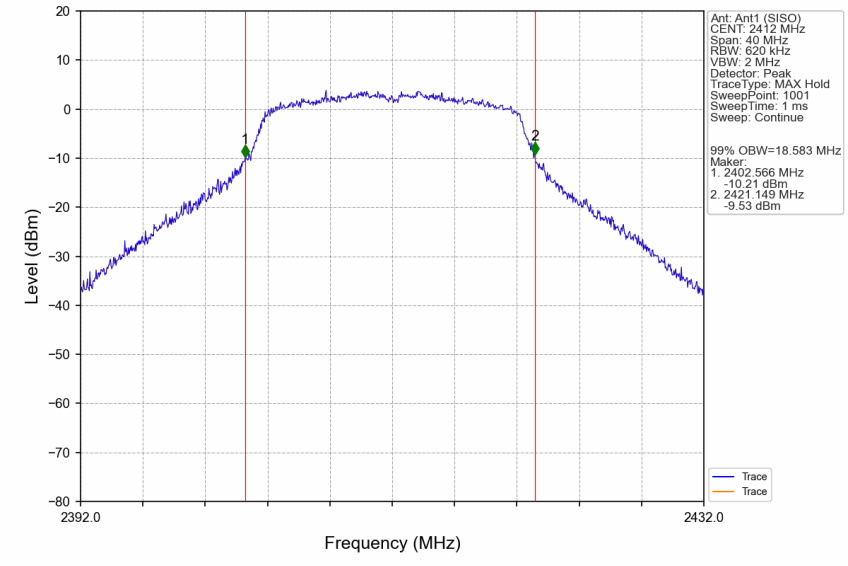
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



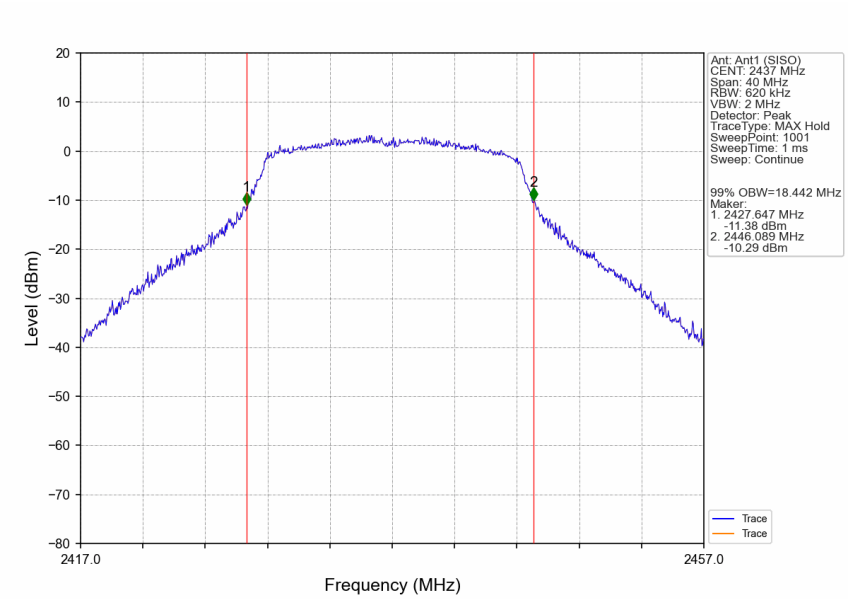
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



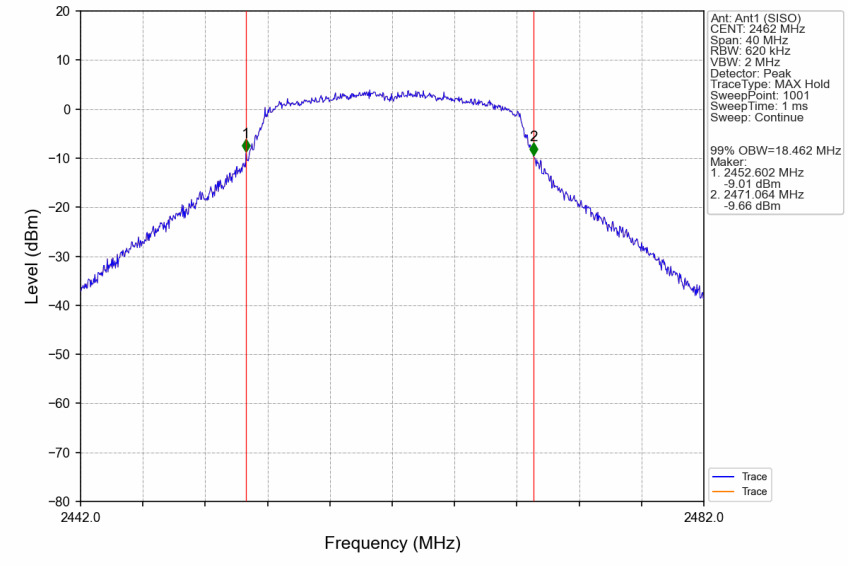
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



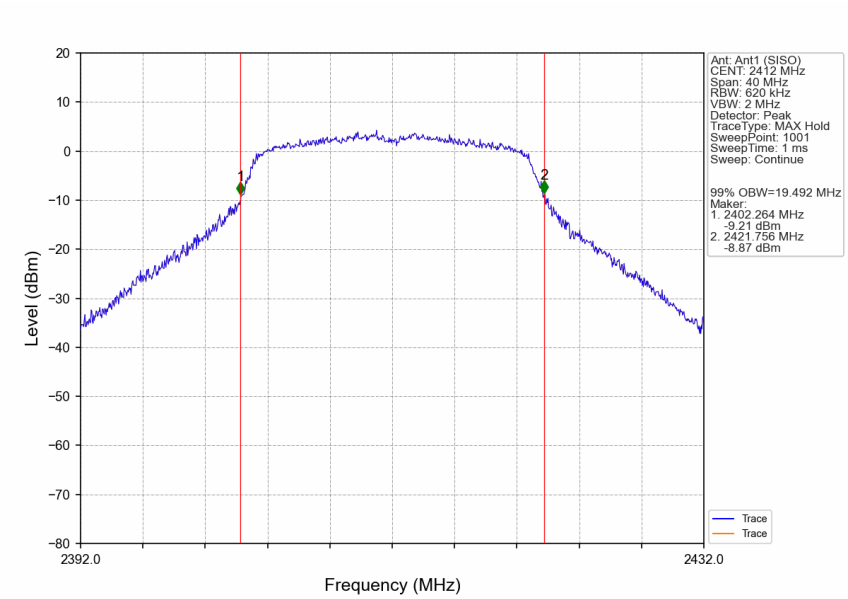
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



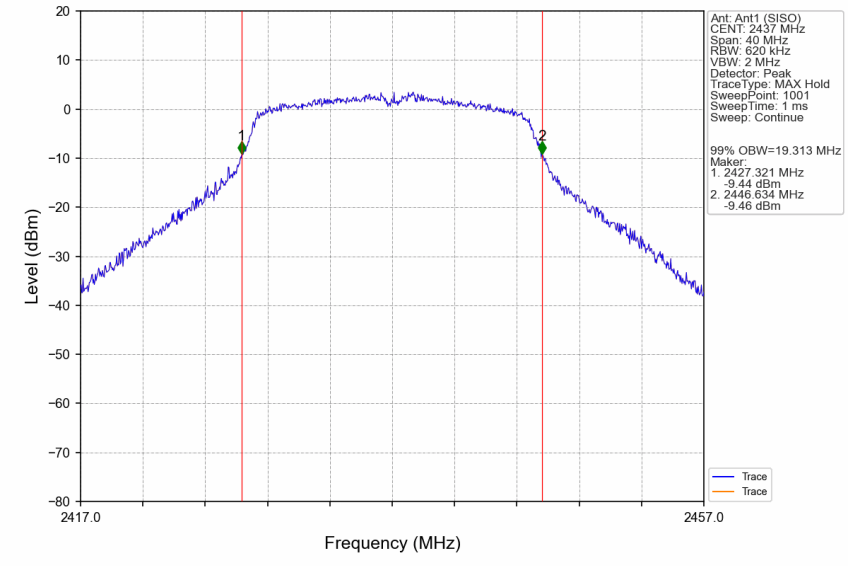
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



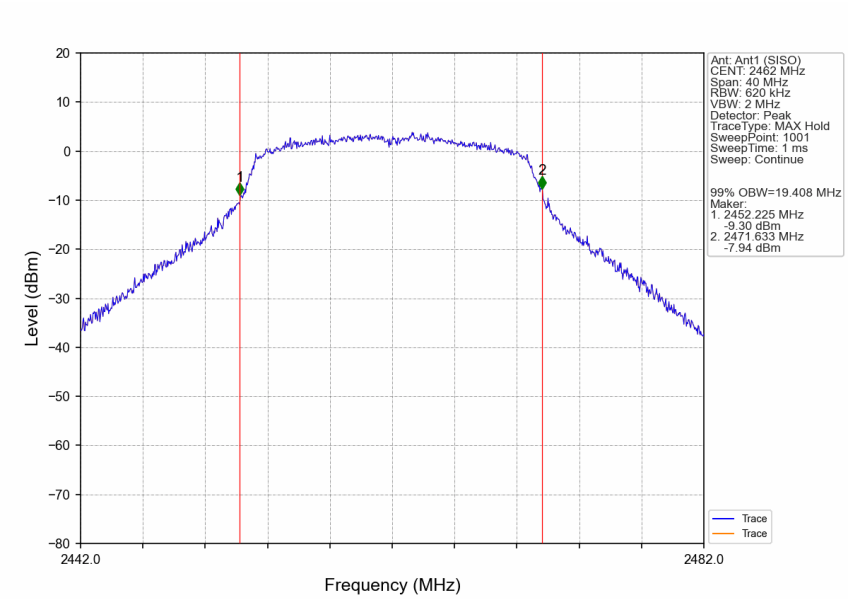
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



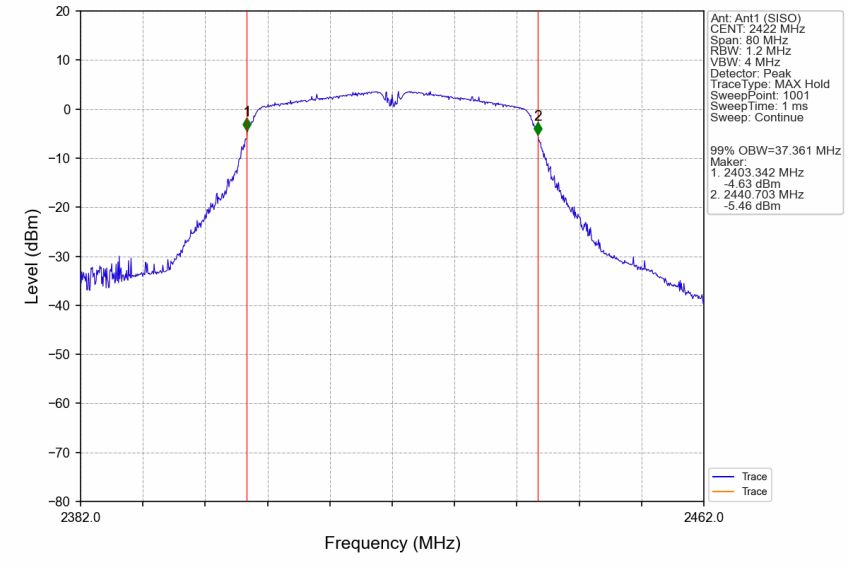
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



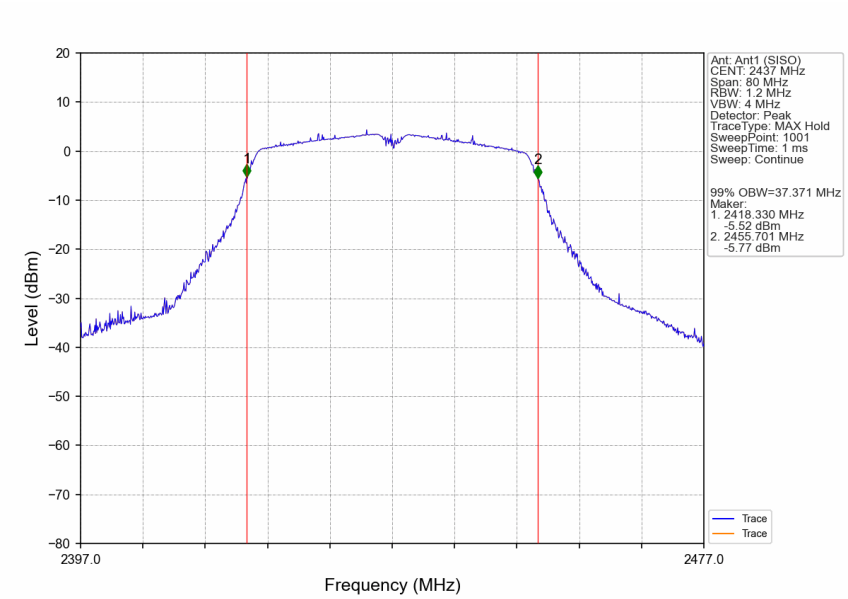
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



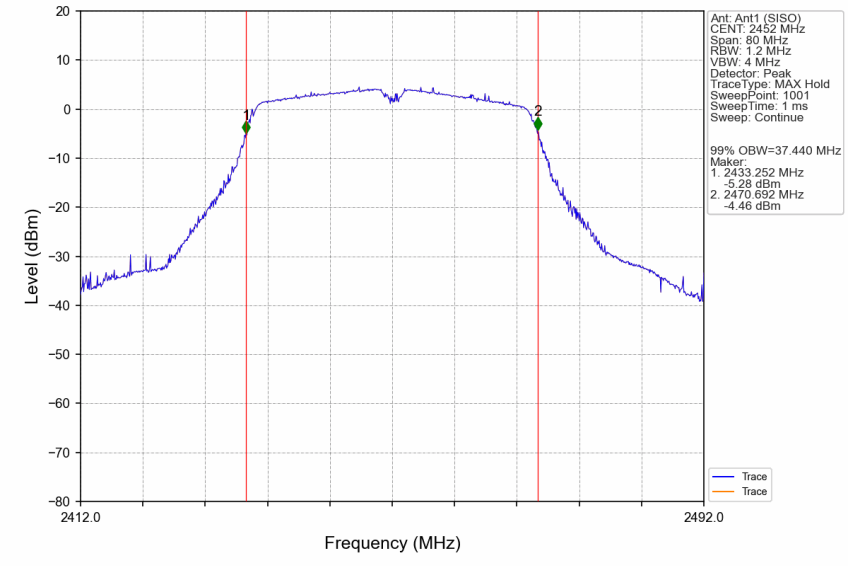
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



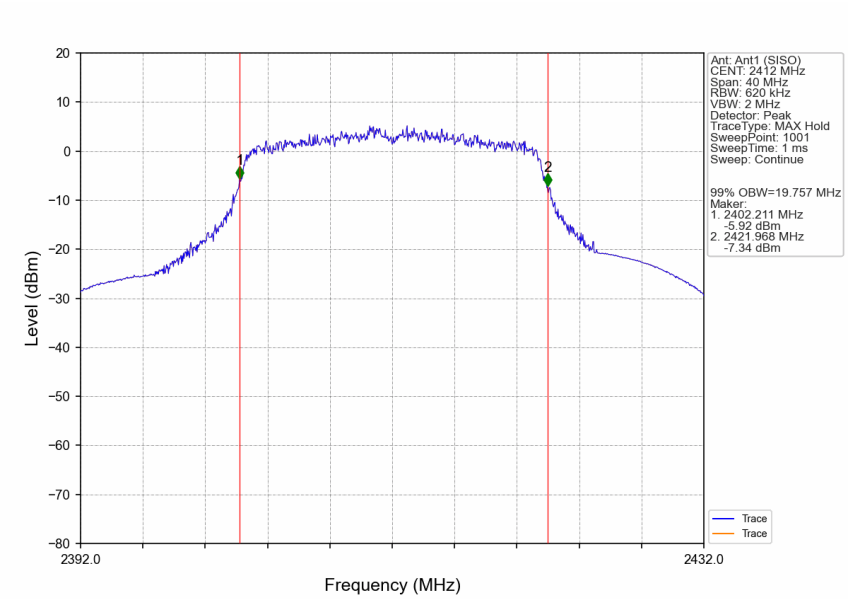
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



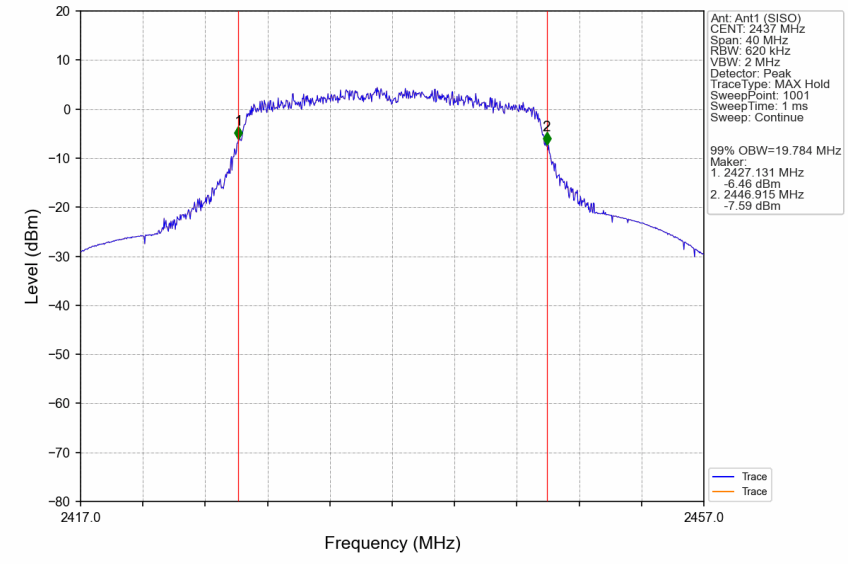
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



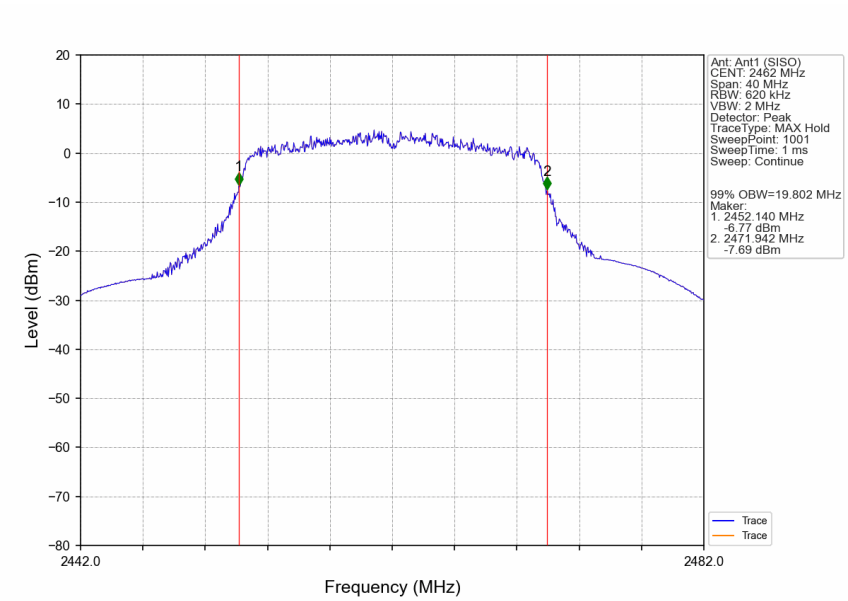
802.11ax(HE20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



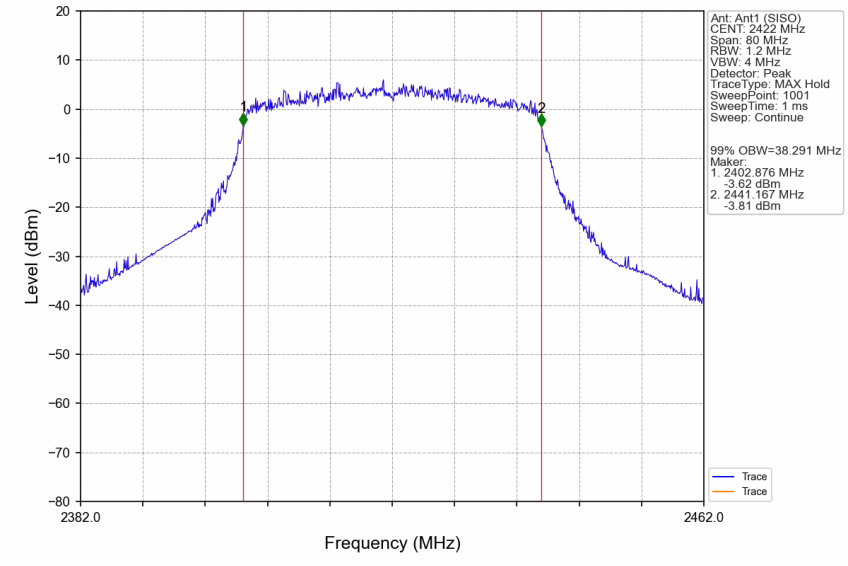
802.11ax(HE20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



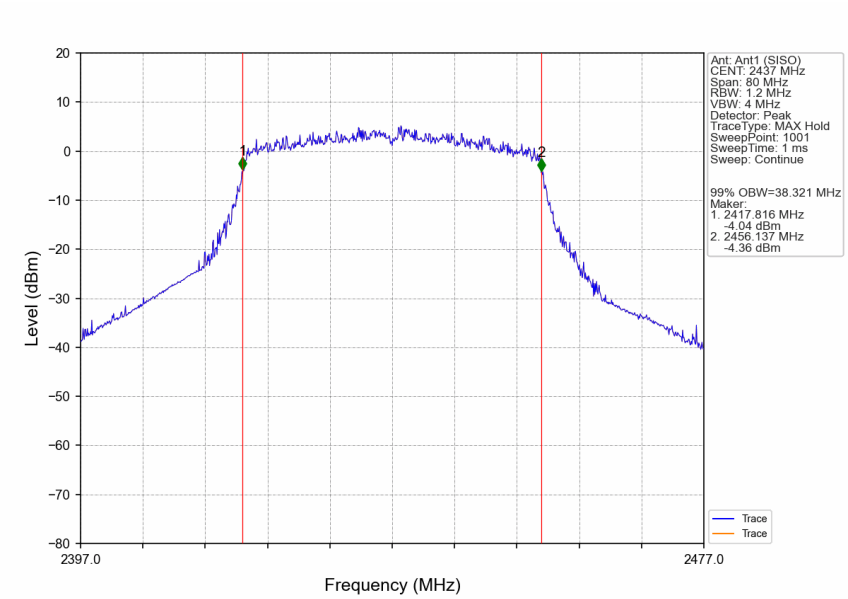
802.11ax(HE20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



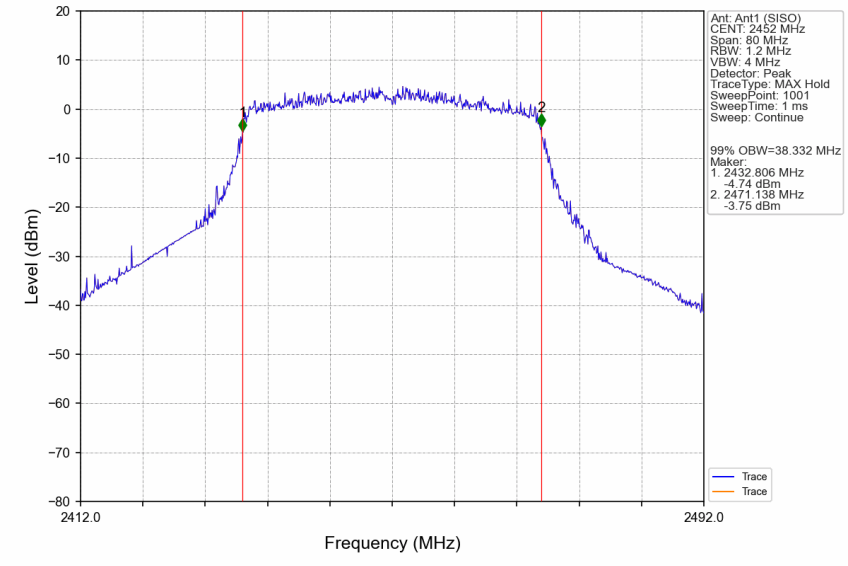
802.11ax(HE40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HE40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV

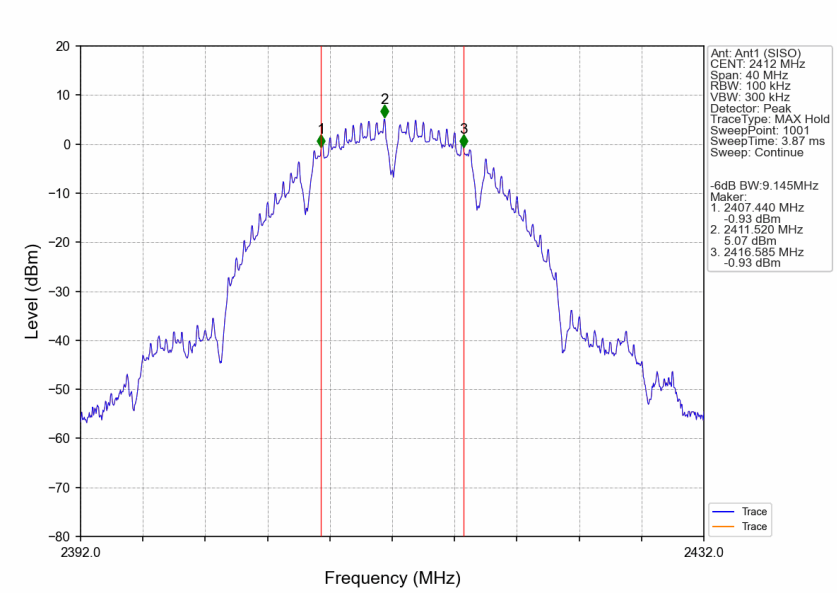


802.11ax(HE40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV

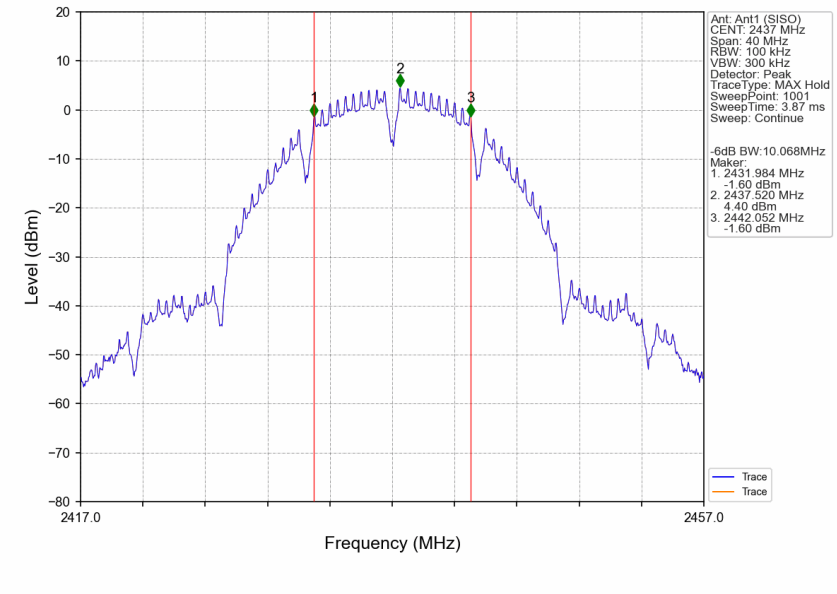


2.2.2 6dB BW

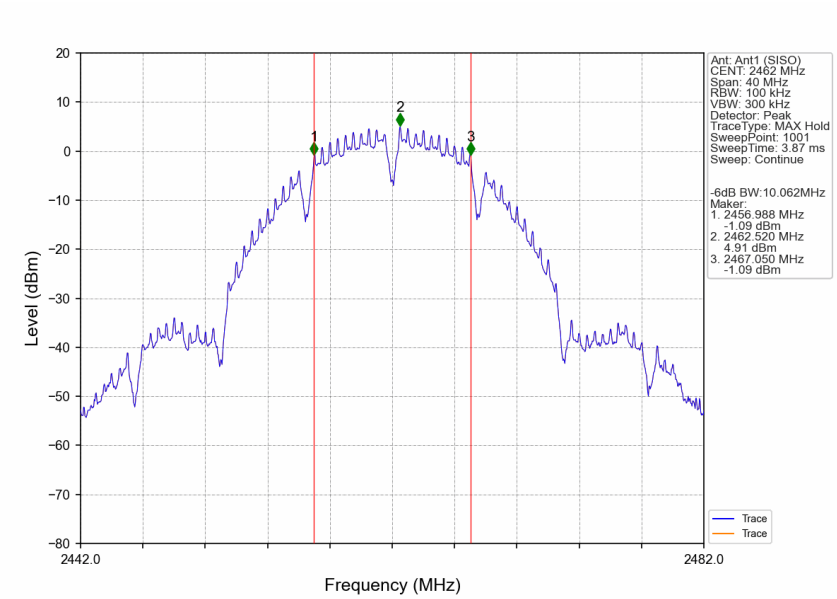
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



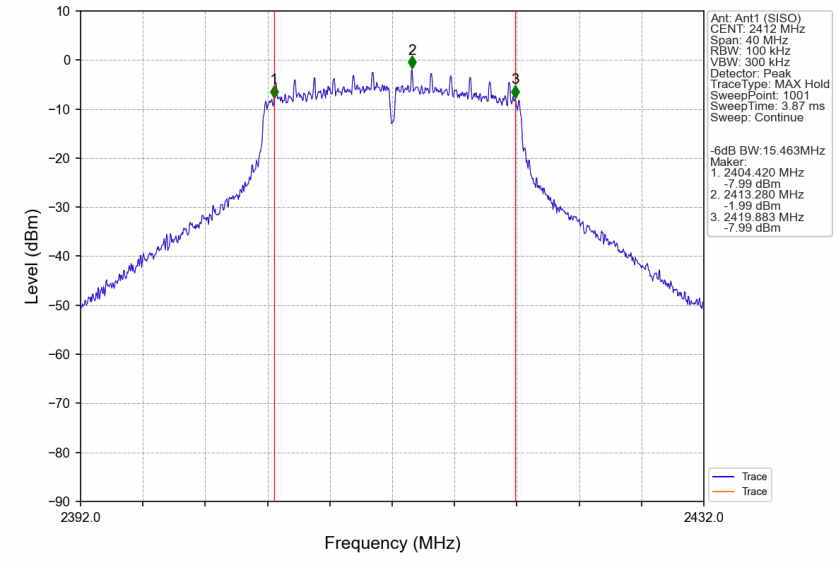
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



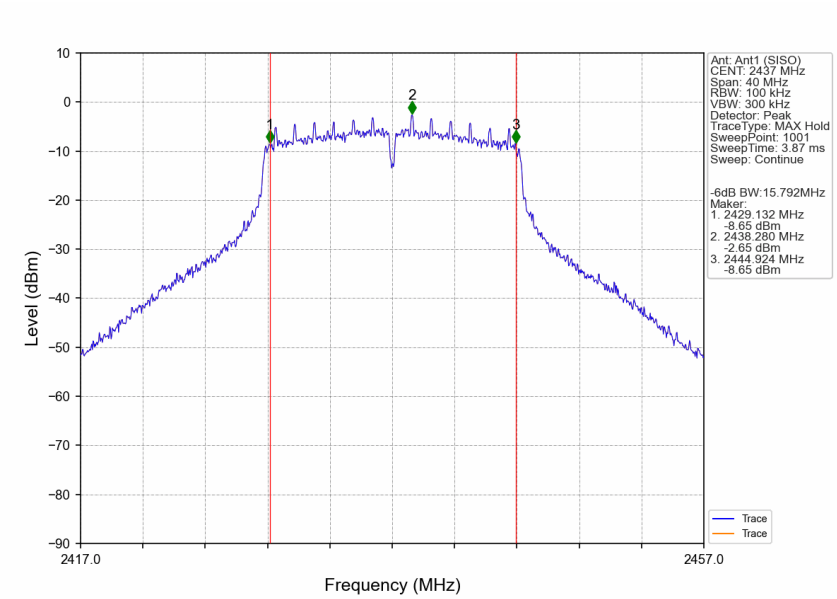
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



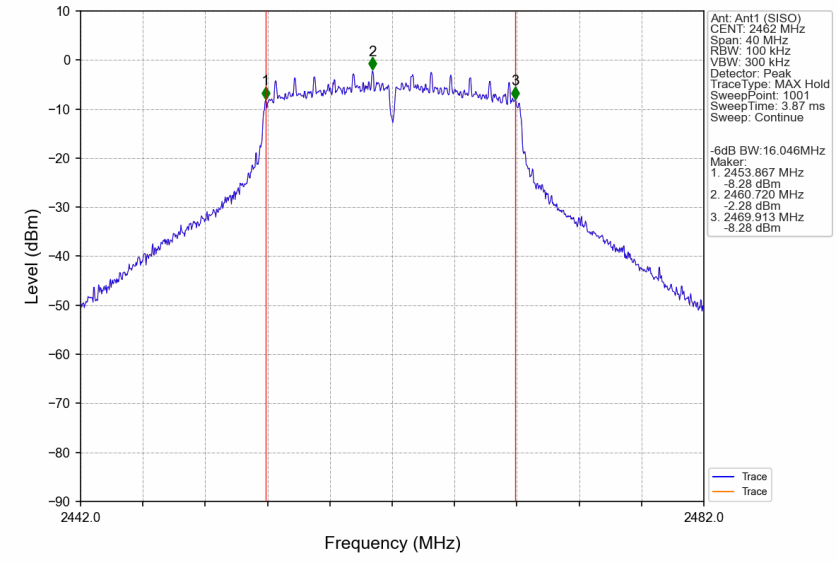
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



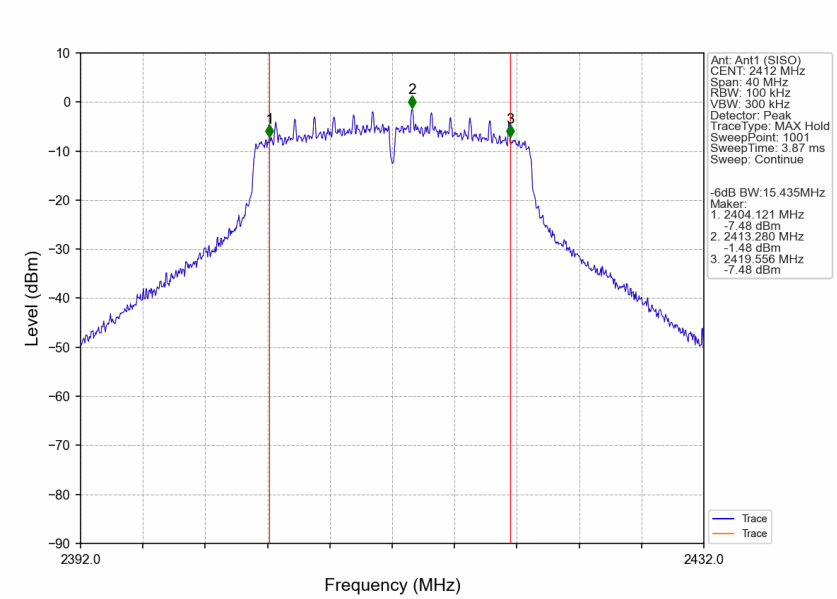
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



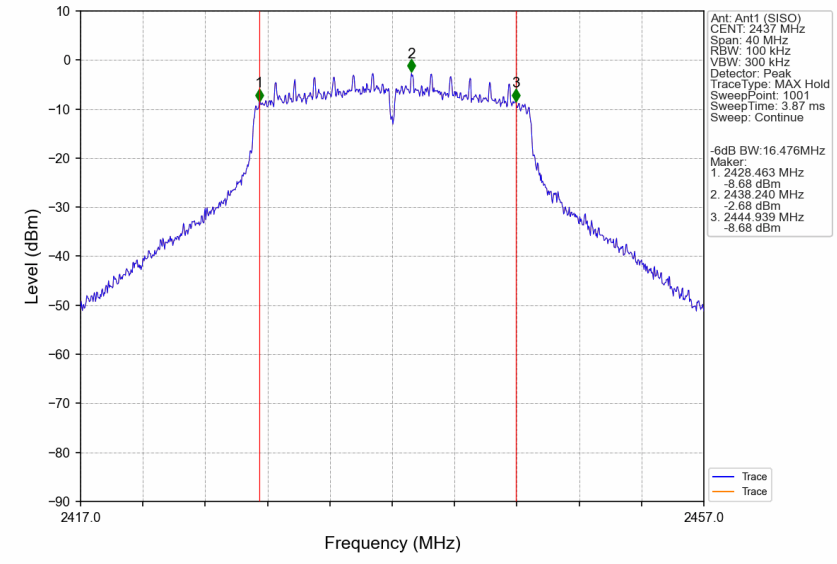
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



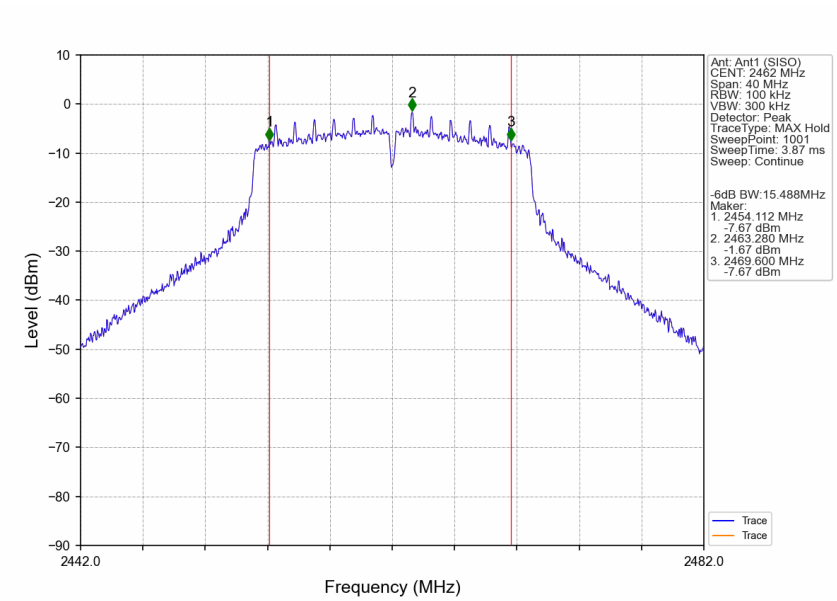
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



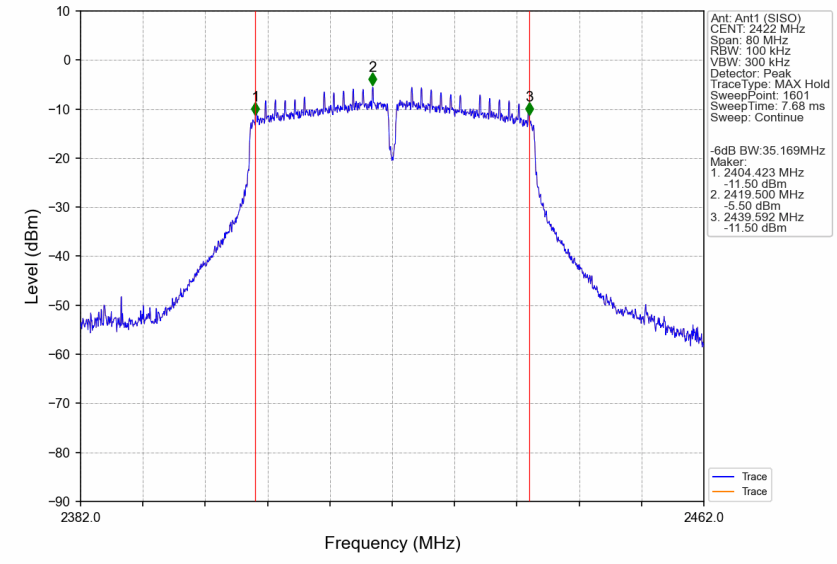
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



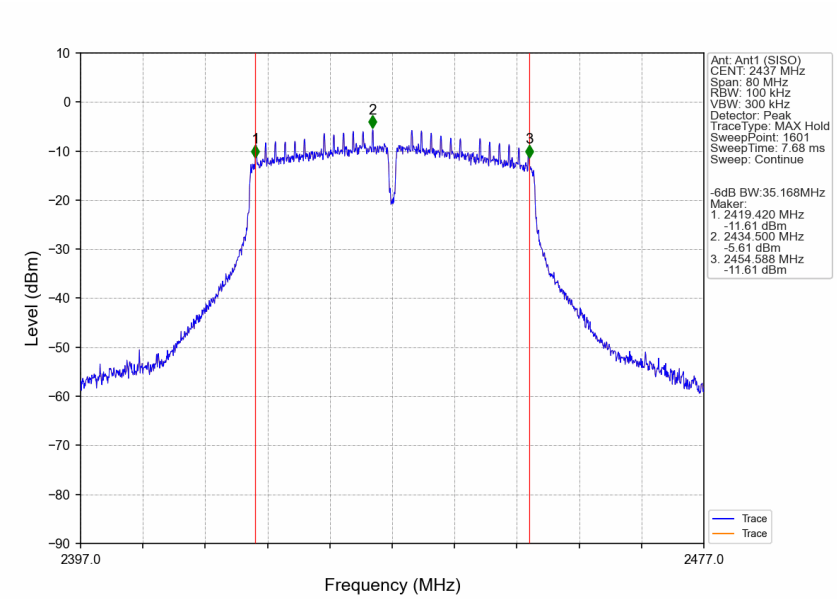
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



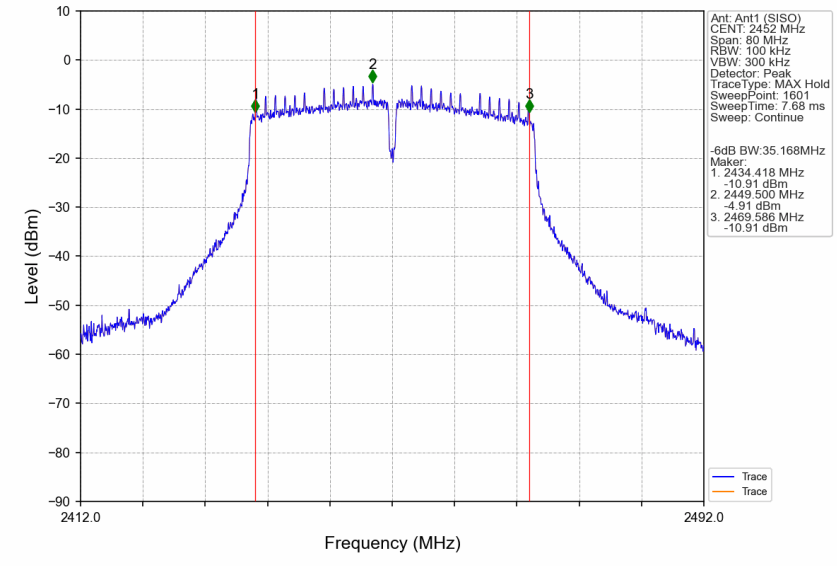
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



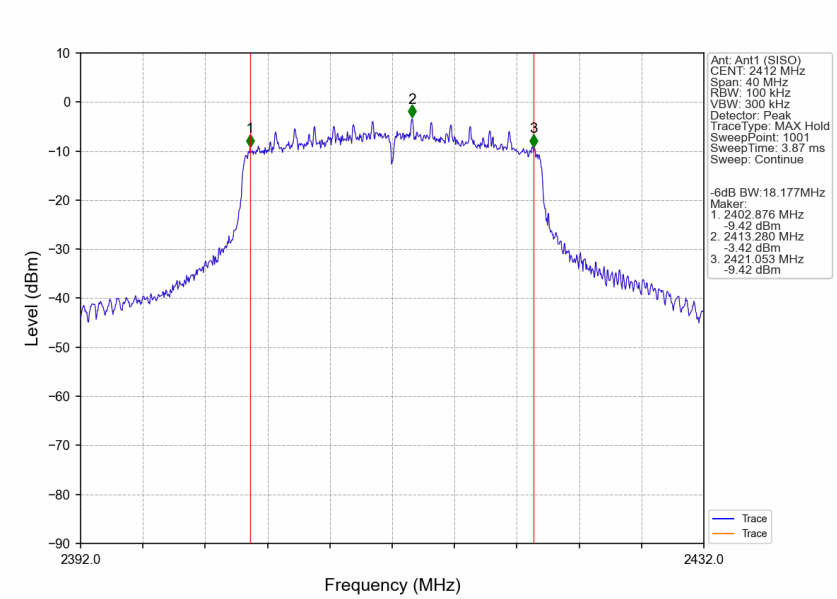
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



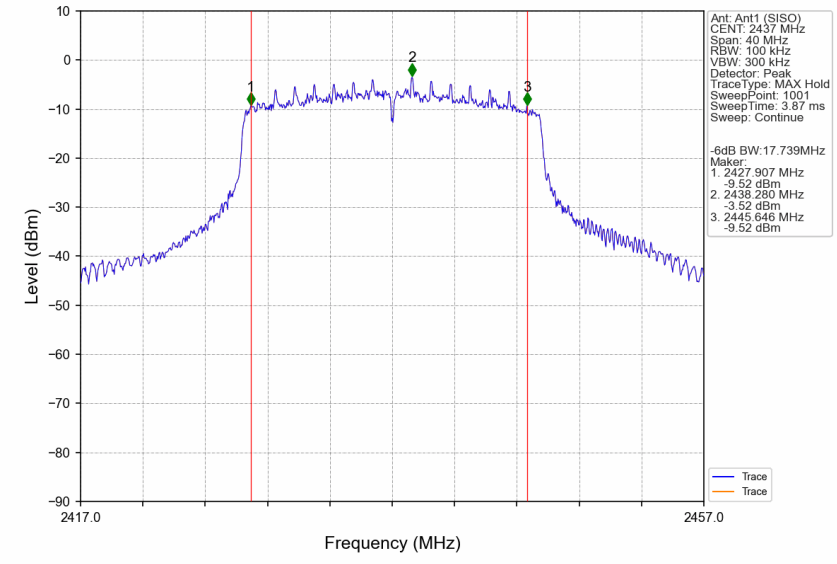
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



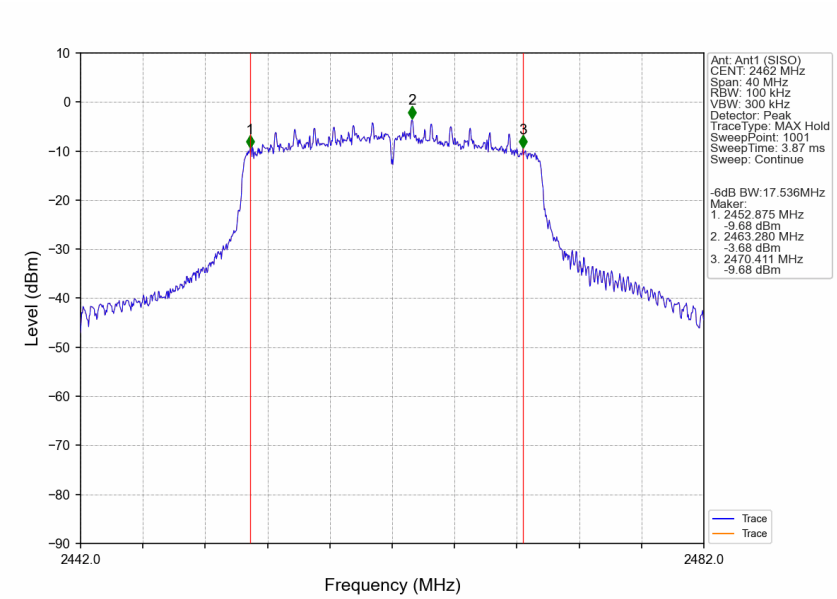
802.11ax(HE20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



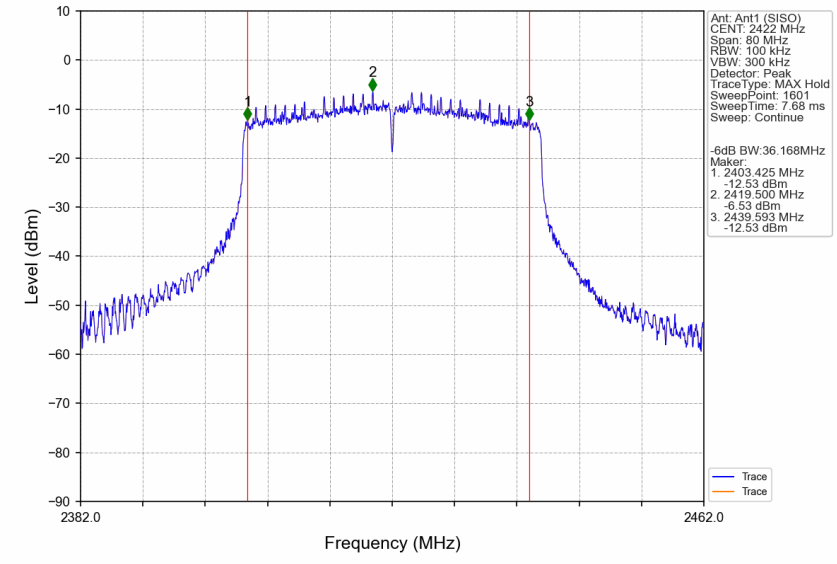
802.11ax(HE20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



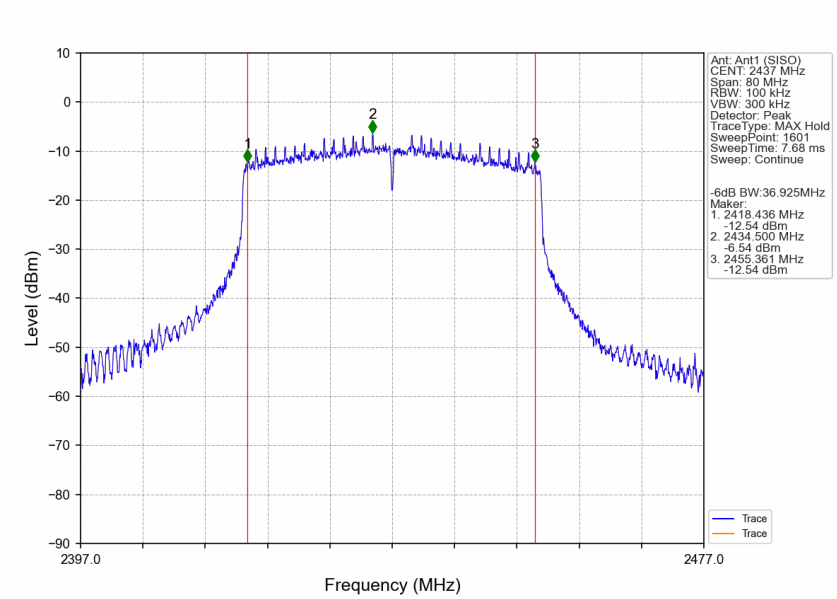
802.11ax(HE20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



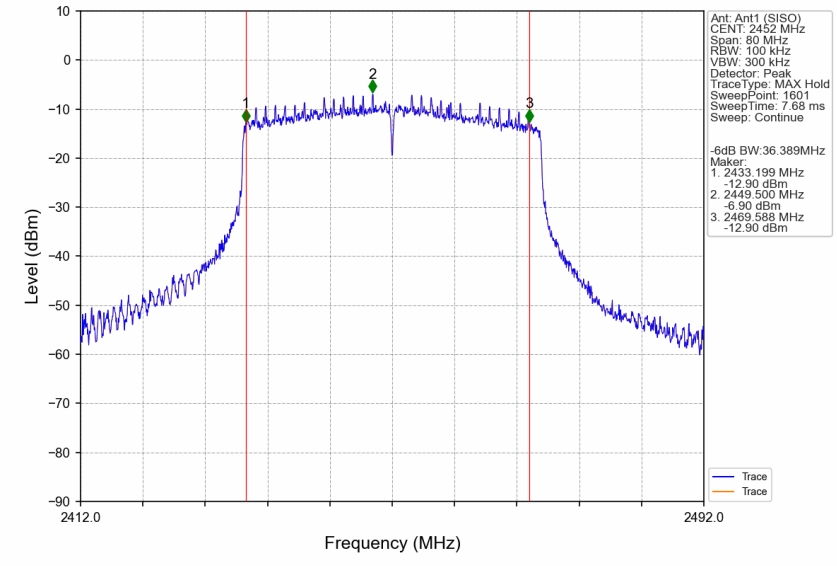
802.11ax(HE40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HE40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HE40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_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	Limit	
802.11b	SISO	2412	/	/	13.13	<=30	Pass
		2437	/	/	12.63	<=30	Pass
		2462	/	/	13.1	<=30	Pass
802.11g	SISO	2412	/	/	13.11	<=30	Pass
		2437	/	/	12.53	<=30	Pass
		2462	/	/	13.4	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	13.33	<=30	Pass
		2437	/	/	12.88	<=30	Pass
		2462	/	/	13.08	<=30	Pass
802.11n (HT40)	SISO	2422	/	/	12.62	<=30	Pass
		2437	/	/	12.51	<=30	Pass
		2452	/	/	13.2	<=30	Pass
802.11ax (HE20)	SISO	2412	RU242	Left	13.1	<=30	Pass
		2437	RU242	Left	12.88	<=30	Pass
		2462	RU242	Left	12.76	<=30	Pass
802.11ax (HE40)	SISO	2422	RU484	Left	13.1	<=30	Pass
		2437	RU484	Left	13.13	<=30	Pass
		2452	RU484	Left	12.54	<=30	Pass
Note1: Antenna Gain: Ant1: 3.90dBi;							

4. Maximum Power Spectral Density

4.1 Test Result

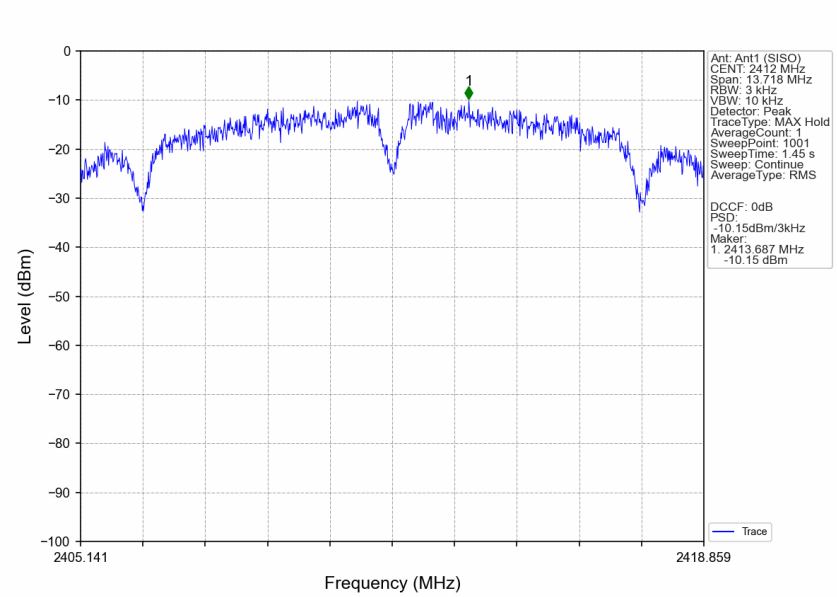
4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)		Verdict
					ANT1	Limit	
802.11b	SISO	2412	/	/	-10.15	<=8	Pass
		2437	/	/	-10.50	<=8	Pass
		2462	/	/	-10.23	<=8	Pass
802.11g	SISO	2412	/	/	-16.65	<=8	Pass
		2437	/	/	-17.42	<=8	Pass
		2462	/	/	-17.05	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-16.51	<=8	Pass
		2437	/	/	-16.66	<=8	Pass
		2462	/	/	-15.43	<=8	Pass
802.11n (HT40)	SISO	2422	/	/	-19.69	<=8	Pass
		2437	/	/	-20.03	<=8	Pass
		2452	/	/	-19.49	<=8	Pass
802.11ax (HE20)	SISO	2412	RU242	Left	-17.63	<=8	Pass
		2437	RU242	Left	-19.82	<=8	Pass
		2462	RU242	Left	-18.95	<=8	Pass
802.11ax (HE40)	SISO	2422	RU484	Left	-22.65	<=8	Pass
		2437	RU484	Left	-21.21	<=8	Pass
		2452	RU484	Left	-20.97	<=8	Pass
Note1: Antenna Gain: Ant1: 3.90dBi;							

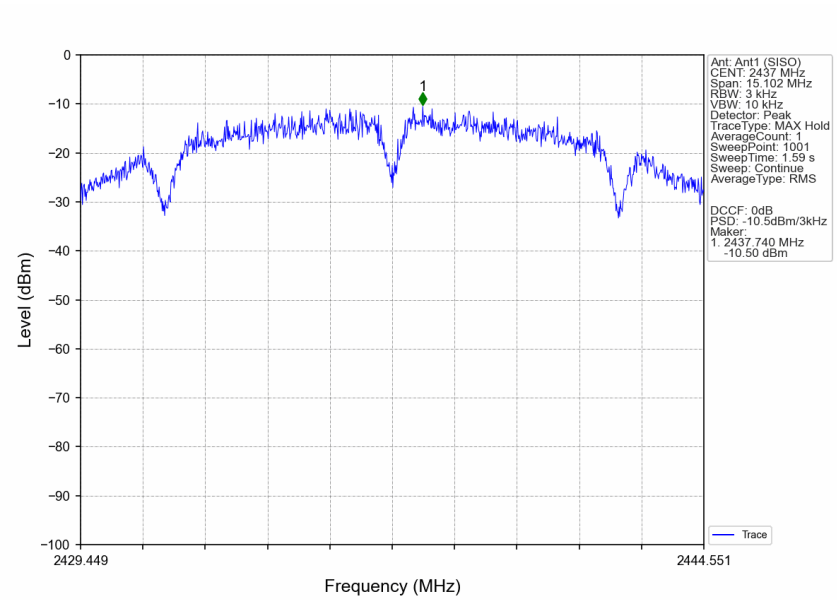
4.2 Test Graph

4.2.1 PSD

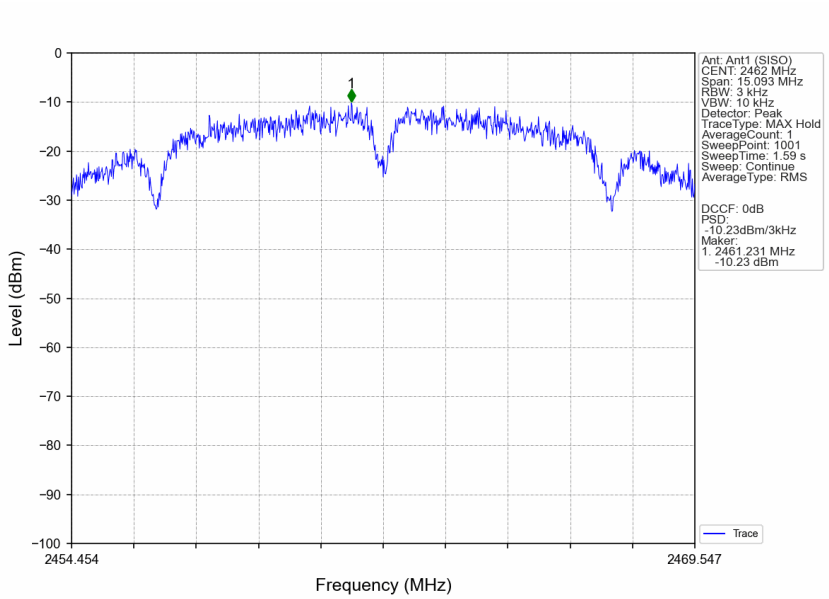
802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



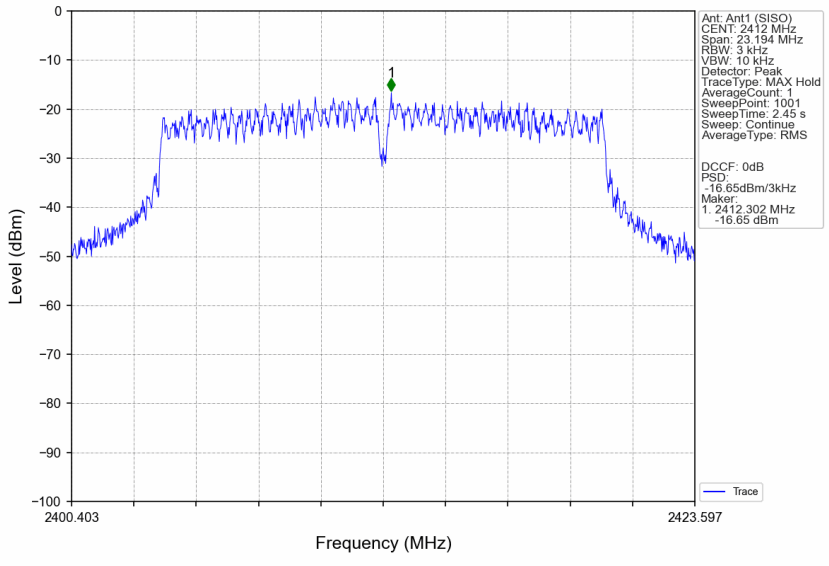
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



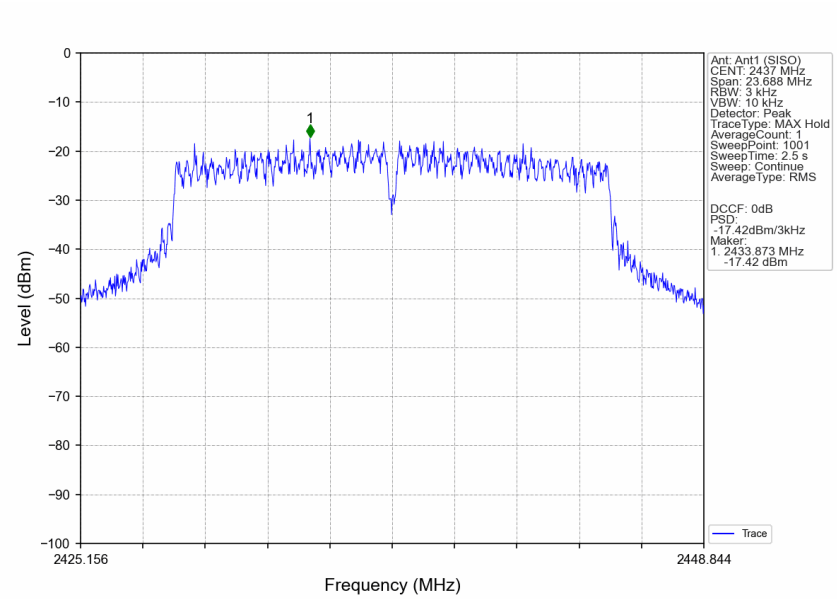
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



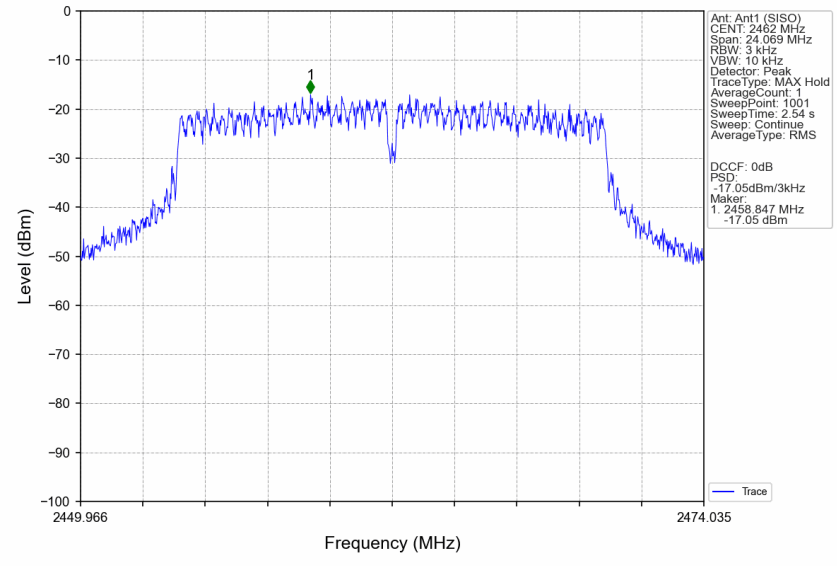
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



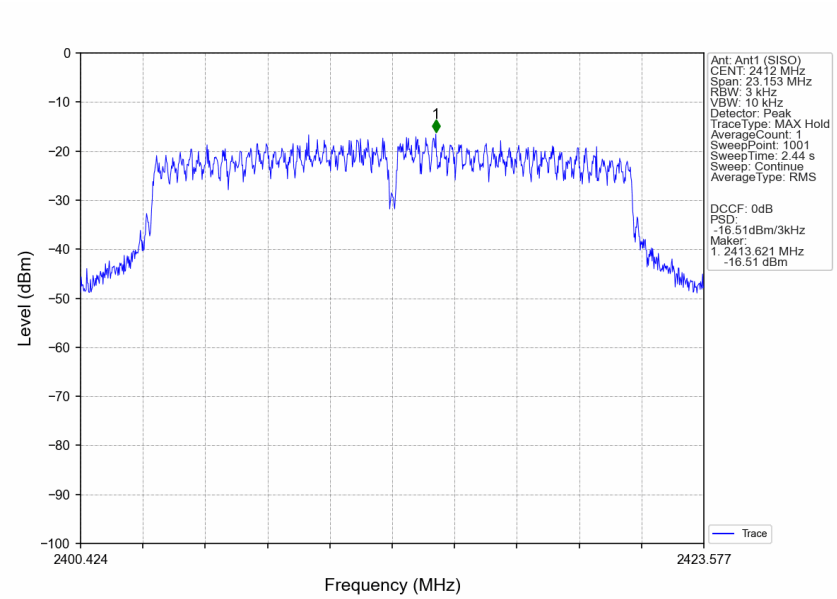
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



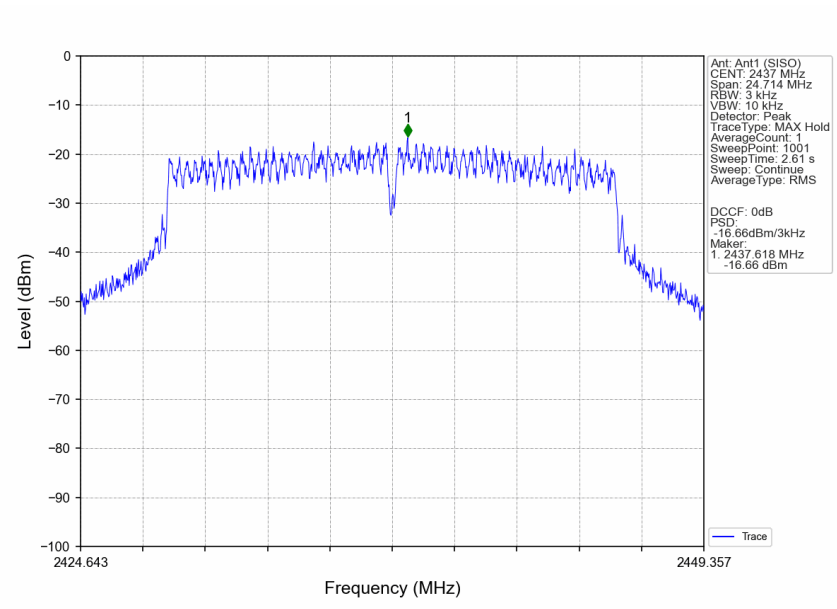
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



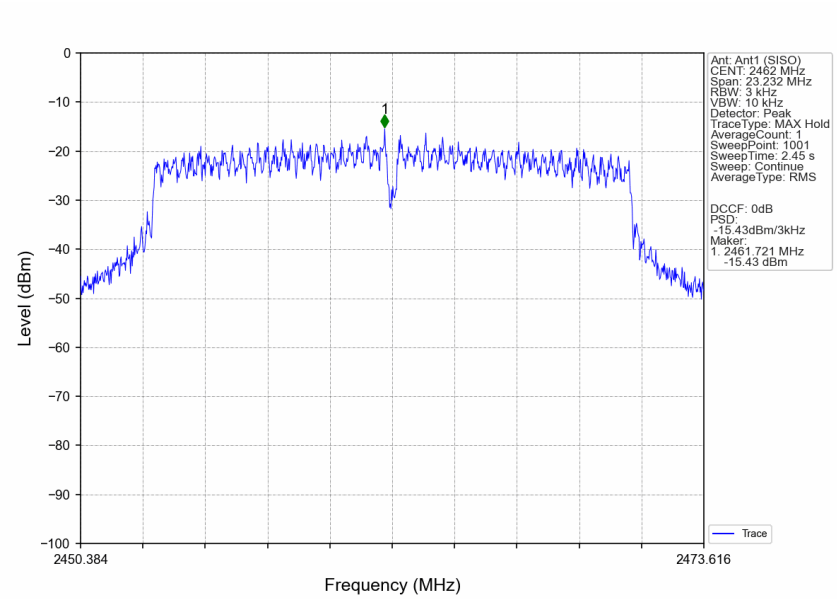
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



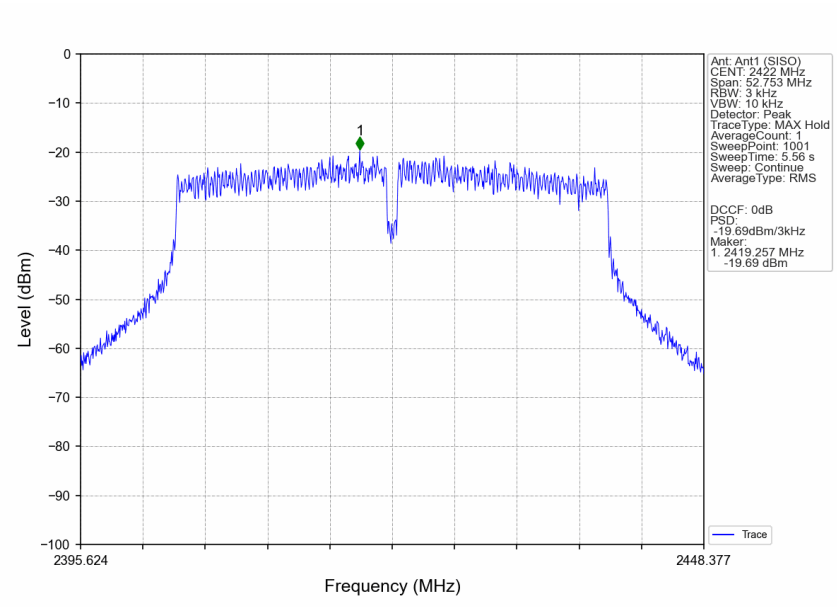
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



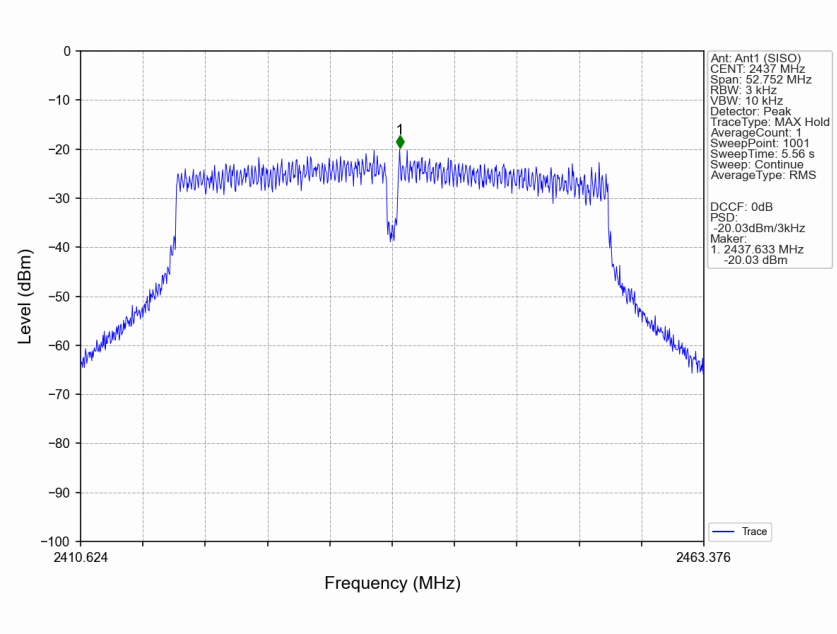
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



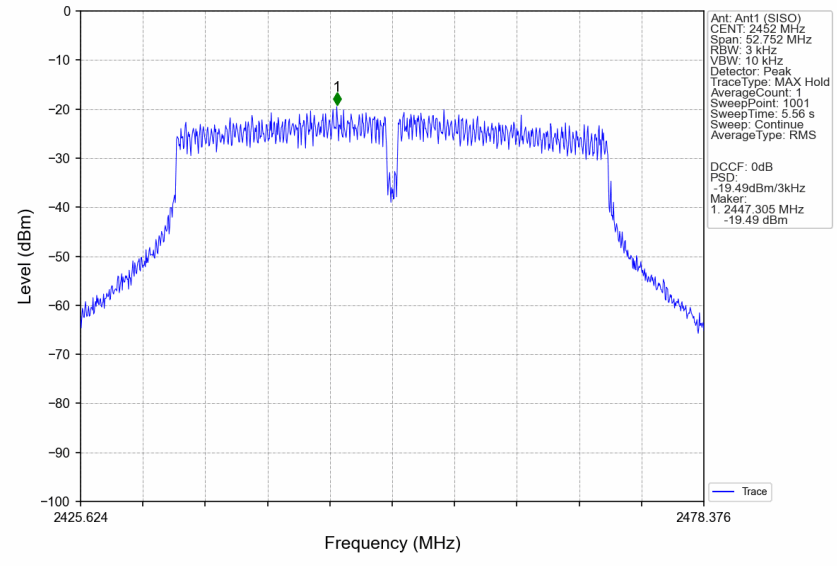
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



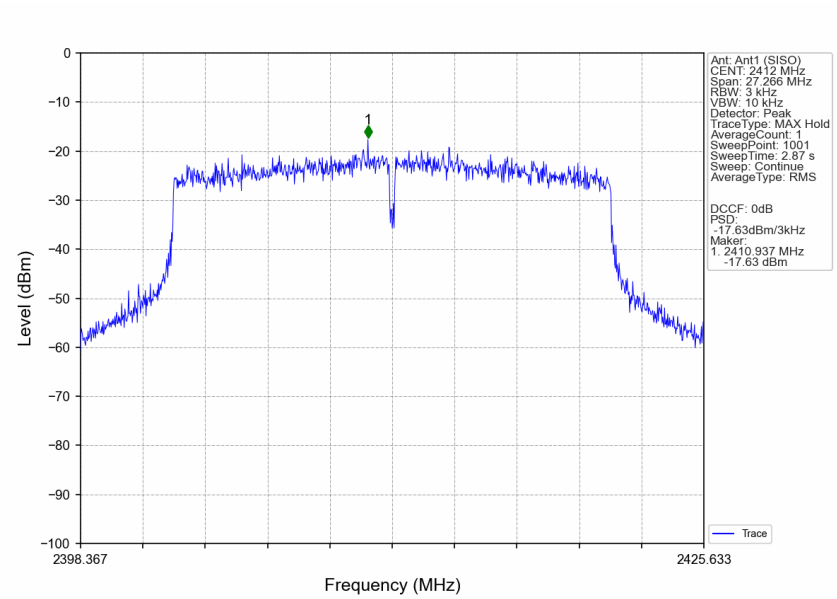
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



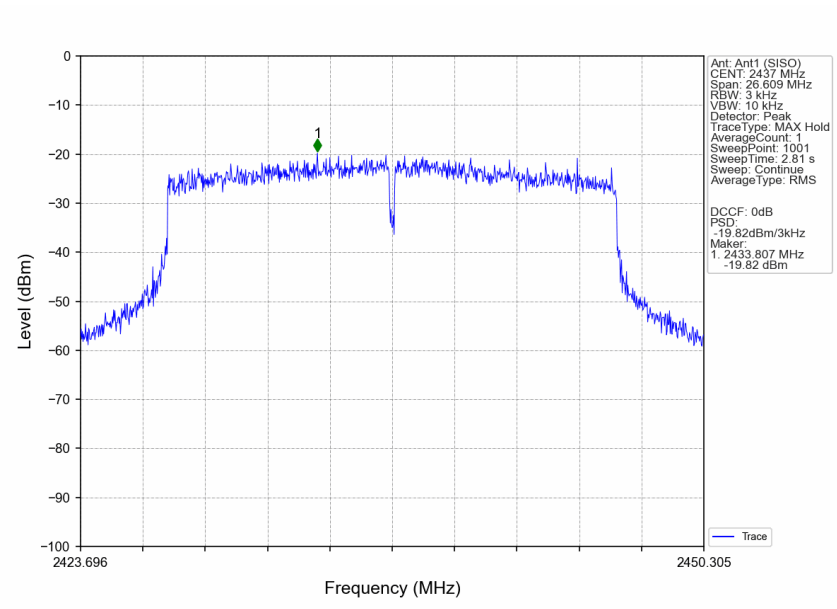
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



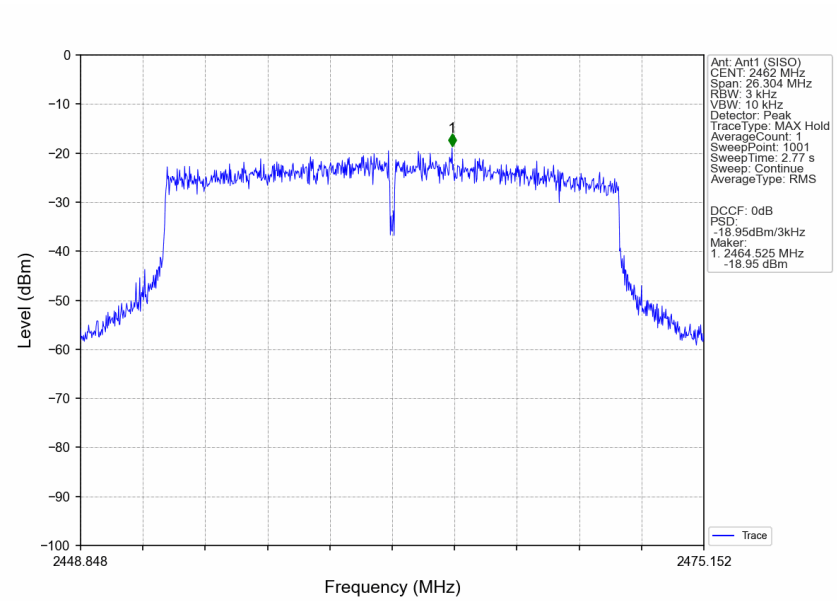
802.11ax(HE20)_LCH_2412MHz_RU242_Left_Ant1 (SISO)_NTNV



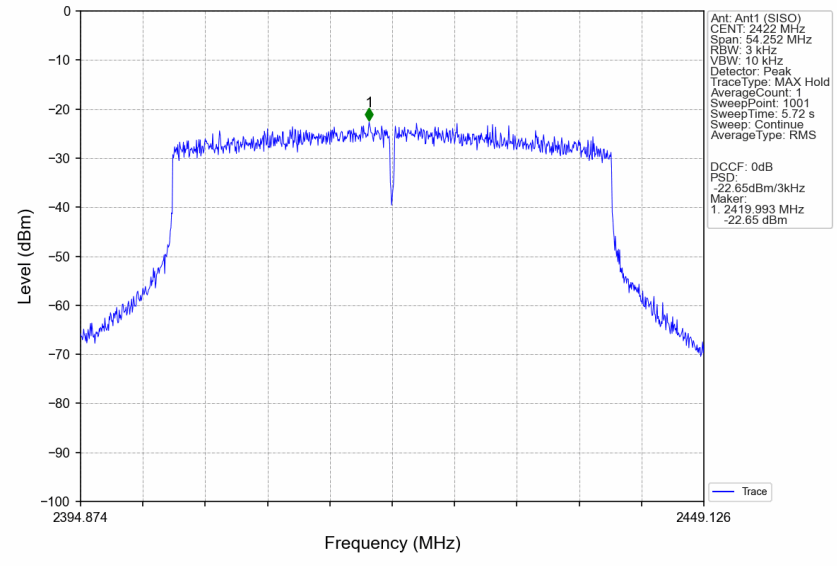
802.11ax(HE20)_MCH_2437MHz_RU242_Left_Ant1 (SISO)_NTNV



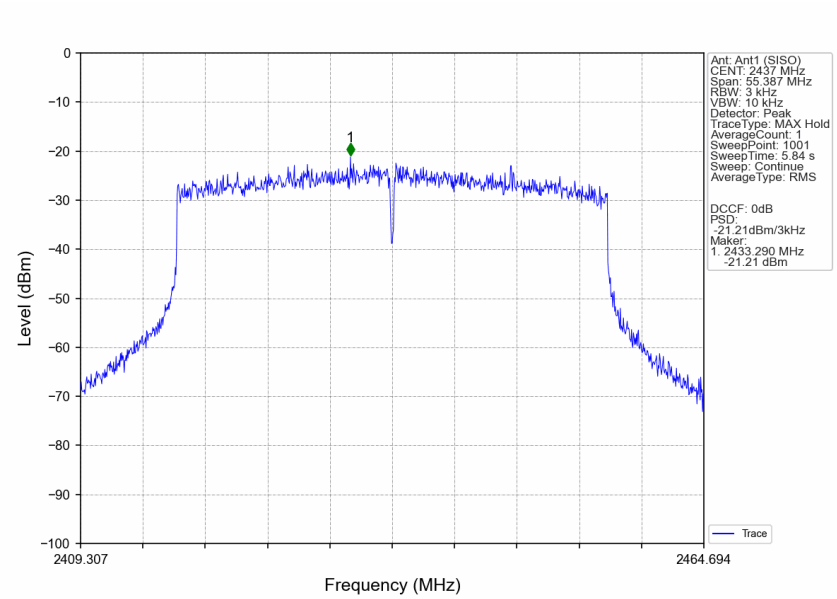
802.11ax(HE20)_HCH_2462MHz_RU242_Left_Ant1 (SISO)_NTNV



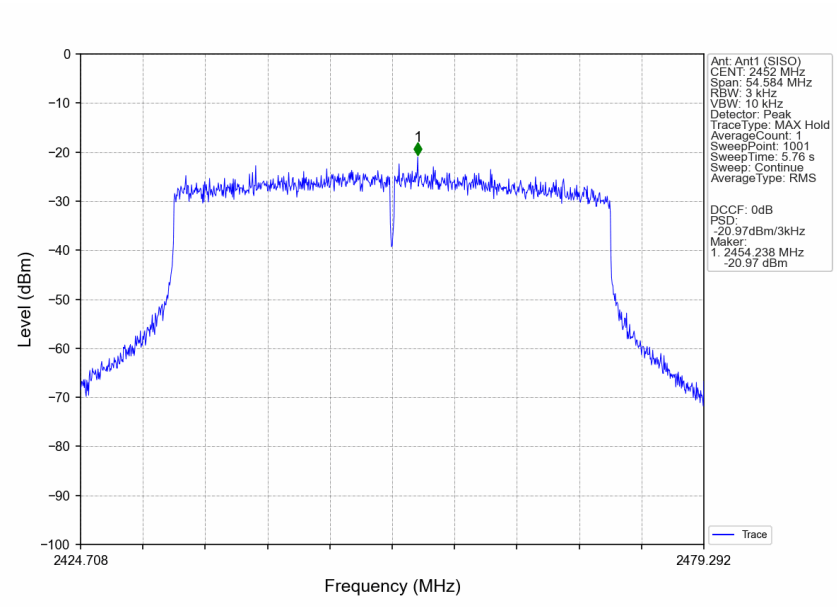
802.11ax(HE40)_LCH_2422MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HE40)_MCH_2437MHz_RU484_Left_Ant1 (SISO)_NTNV



802.11ax(HE40)_HCH_2452MHz_RU484_Left_Ant1 (SISO)_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	**5.11**
		2437	/	/	1	4.45
		2462	/	/	1	4.92
802.11g	SISO	2412	/	/	1	-1.96
		2437	/	/	1	-2.57
		2462	/	/	1	**-1.73**
802.11n (HT20)	SISO	2412	/	/	1	-1.71
		2437	/	/	1	-2.09
		2462	/	/	1	**-1.70**
802.11n (HT40)	SISO	2422	/	/	1	-5.56
		2437	/	/	1	-5.56
		2452	/	/	1	**-5.25**
802.11ax (HE20)	SISO	2412	RU242	Left	1	**-3.42**
		2437	RU242	Left	1	-3.77
		2462	RU242	Left	1	-3.75
802.11ax (HE40)	SISO	2422	RU484	Left	1	**-6.44**
		2437	RU484	Left	1	-6.54
		2452	RU484	Left	1	-6.90
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 CSE

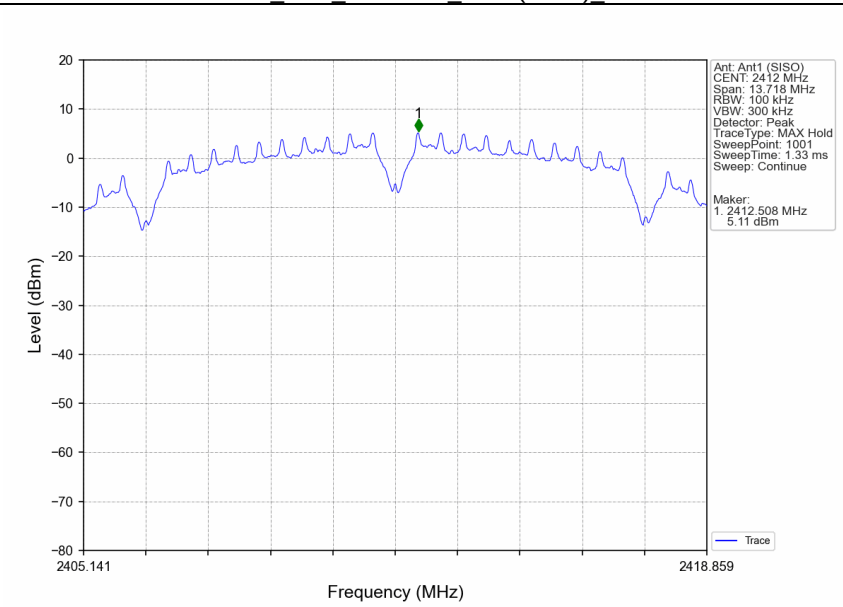
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	5.11	-14.89	Pass
		2437	/	/	1	5.11	-14.89	Pass
		2462	/	/	1	5.11	-14.89	Pass
802.11g	SISO	2412	/	/	1	-1.73	-21.73	Pass
		2437	/	/	1	-1.73	-21.73	Pass
		2462	/	/	1	-1.73	-21.73	Pass
802.11n (HT20)	SISO	2412	/	/	1	-1.70	-21.70	Pass
		2437	/	/	1	-1.70	-21.70	Pass
		2462	/	/	1	-1.70	-21.70	Pass
802.11n (HT40)	SISO	2422	/	/	1	-5.25	-25.25	Pass
		2437	/	/	1	-5.25	-25.25	Pass
		2452	/	/	1	-5.25	-25.25	Pass
802.11ax (HE20)	SISO	2412	RU242	Left	1	-3.42	-23.42	Pass
		2437	RU242	Left	1	-3.42	-23.42	Pass
		2462	RU242	Left	1	-3.42	-23.42	Pass

802.11ax (HE40)	SISO	2422	RU484	Left	1	-6.44	-26.44	Pass
		2437	RU484	Left	1	-6.44	-26.44	Pass
		2452	RU484	Left	1	-6.44	-26.44	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.								

5.2 Test Graph

5.2.1 Ref

802.11b_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV