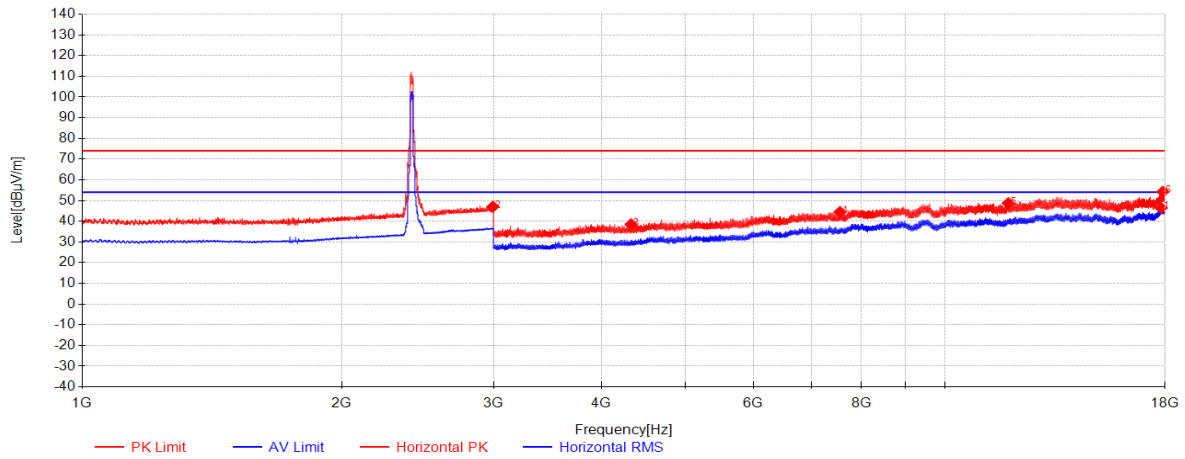
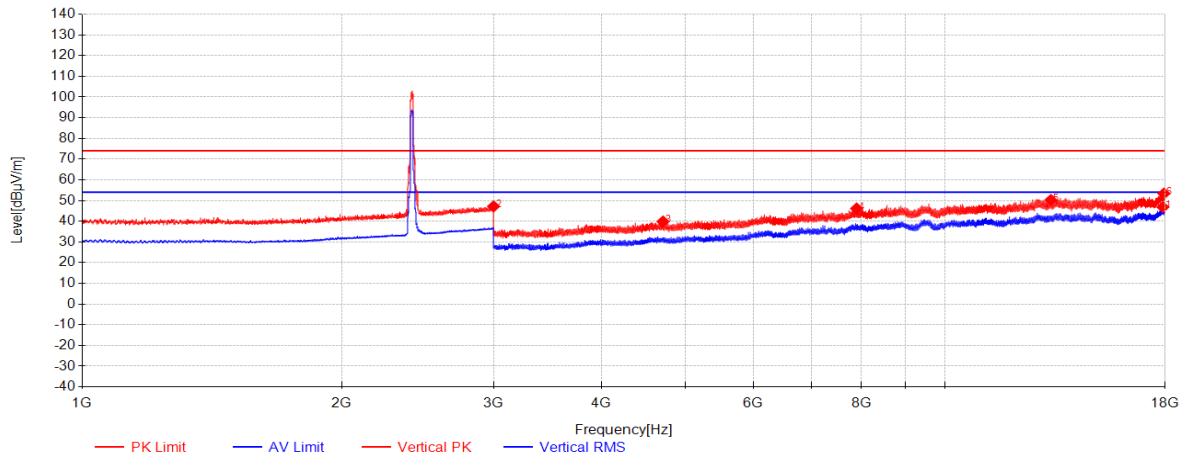


11ax(HE20)_TX_CH_01_Horizontal



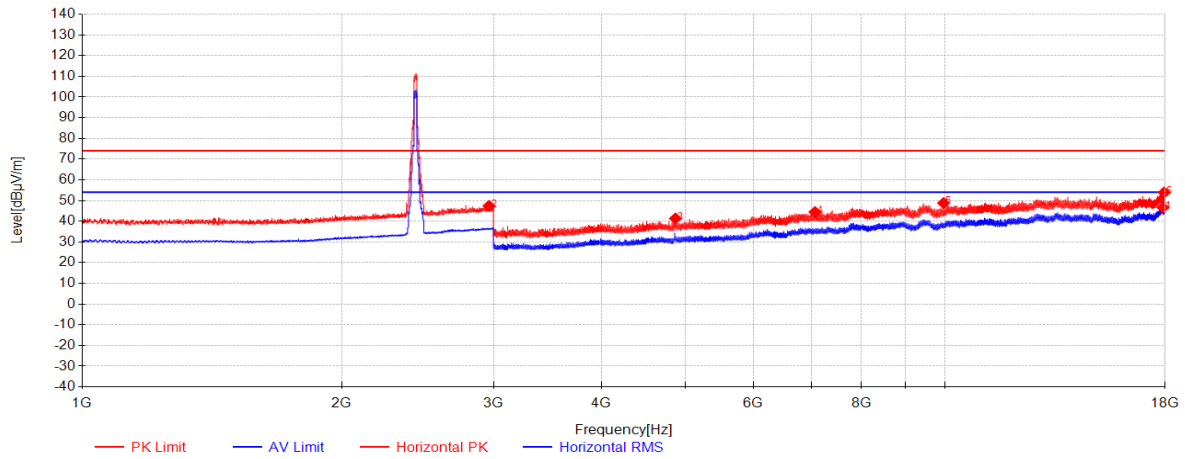
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17814.375	35.79	41.16	-30.58	46.37	54.00	7.63	Horizontal
2	2993	40.90	29.57	-23.46	47.01	74.00	26.99	Horizontal
3	4328.25	52.29	31.63	-45.39	38.53	74.00	35.47	Horizontal
4	7558.125	50.06	36.42	-42.00	44.48	74.00	29.52	Horizontal
5	11845.5	45.47	38.79	-35.55	48.71	74.00	25.29	Horizontal
6	17894.625	43.95	41.39	-31.08	54.27	74.00	19.73	Horizontal

11ax(HE20)_TX_CH_01_Vertical



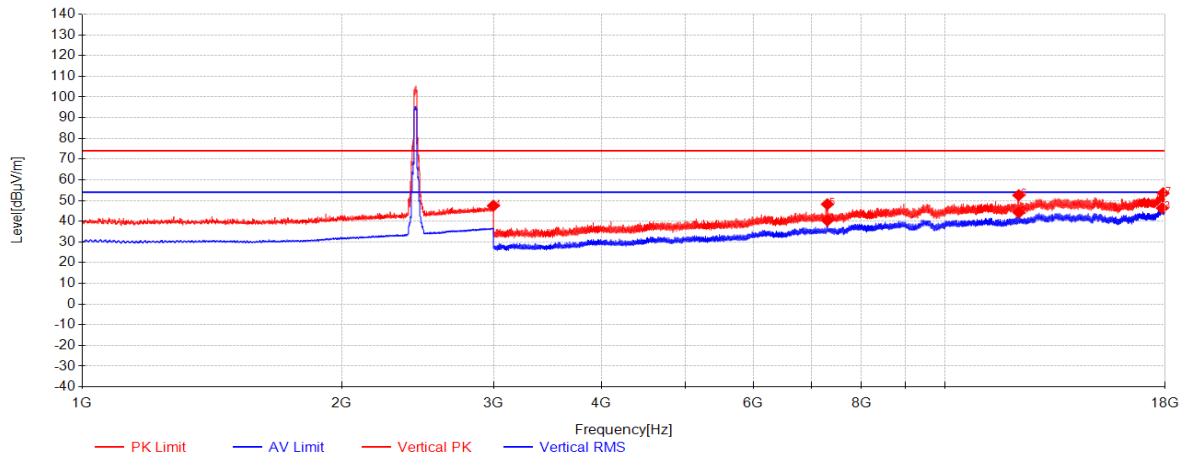
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17898	36.52	41.40	-31.10	46.83	54.00	7.17	Vertical
2	2998.5	41.03	29.59	-23.46	47.16	74.00	26.84	Vertical
3	4713.375	52.33	32.41	-44.88	39.87	74.00	34.13	Vertical
4	7903.125	50.46	37.11	-41.41	46.15	74.00	27.85	Vertical
5	13270.875	45.23	40.04	-35.01	50.26	74.00	23.74	Vertical
6	17945.625	42.89	41.54	-31.07	53.36	74.00	20.64	Vertical

11ax(HE20)_TX_CH_06_Horizontal



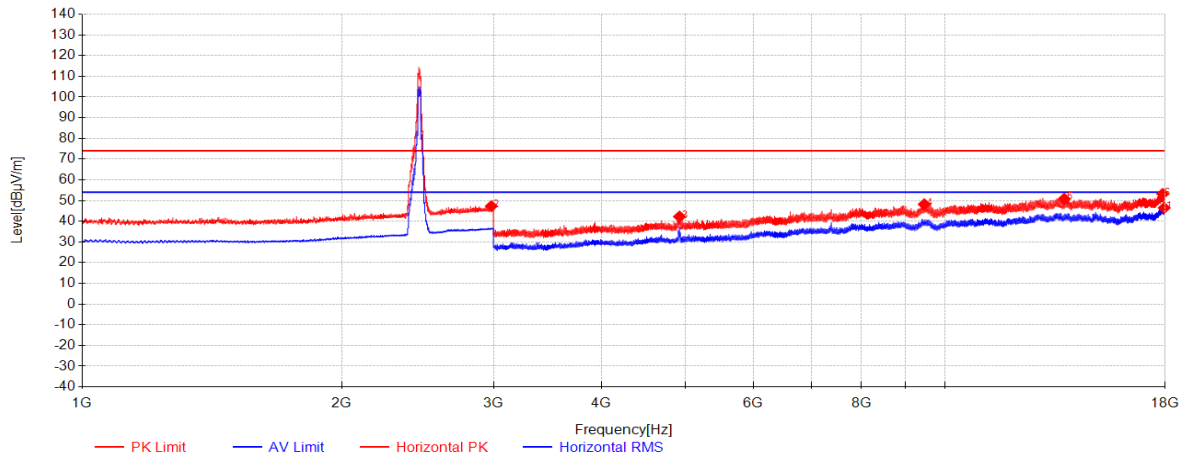
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17899.5	36.34	41.41	-31.11	46.64	54.00	7.36	Horizontal
2	2962.5	41.44	29.45	-23.48	47.41	74.00	26.59	Horizontal
3	4872.375	53.46	32.79	-44.92	41.33	74.00	32.67	Horizontal
4	7070.25	50.92	36.30	-42.78	44.44	74.00	29.56	Horizontal
5	9966.375	48.37	38.10	-37.69	48.78	74.00	25.22	Horizontal
6	17957.625	43.36	41.58	-31.06	53.88	74.00	20.12	Horizontal

11ax(HE20)_TX_CH_06_Vertical



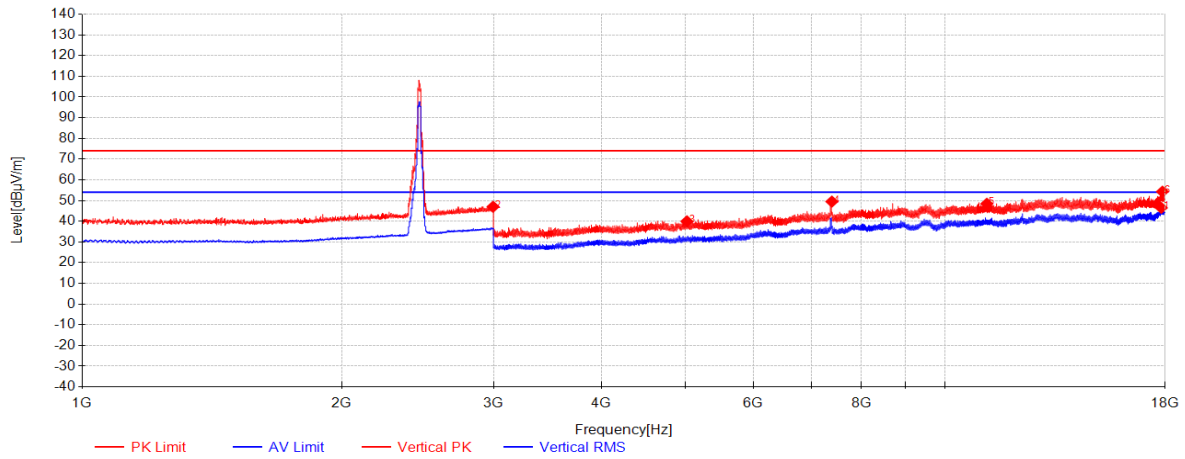
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	7309.5	46.20	36.30	-42.08	40.42	54.00	13.58	Vertical
2	12184.875	40.83	38.92	-35.48	44.27	54.00	9.73	Vertical
3	17866.875	35.95	41.31	-30.90	46.36	54.00	7.64	Vertical
4	2997	41.34	29.59	-23.46	47.47	74.00	26.53	Vertical
5	7309.125	53.99	36.30	-42.08	48.21	74.00	25.79	Vertical
6	12181.5	49.10	38.92	-35.46	52.56	74.00	21.44	Vertical
7	17908.875	43.24	41.44	-31.10	53.57	74.00	20.43	Vertical

11ax(HE20)_TX_CH_11_Horizontal



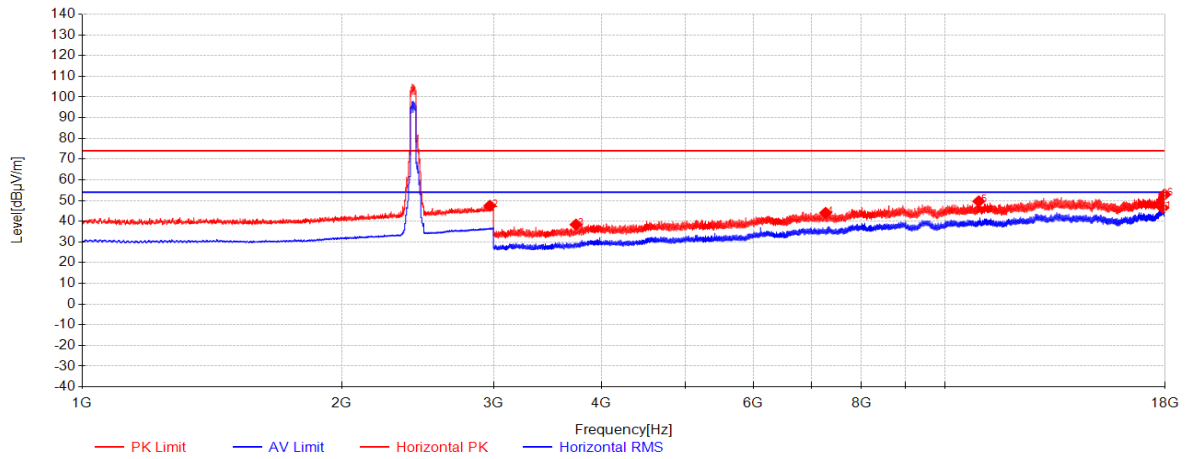
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17958	35.94	41.58	-31.06	46.46	54.00	7.54	Horizontal
2	2981	41.23	29.52	-23.47	47.28	74.00	26.72	Horizontal
3	4925.625	54.16	32.92	-44.84	42.24	74.00	31.76	Horizontal
4	9465.75	48.86	38.05	-38.72	48.19	74.00	25.81	Horizontal
5	13754.25	45.90	40.28	-35.34	50.84	74.00	23.16	Horizontal
6	17886.75	42.87	41.37	-31.03	53.21	74.00	20.79	Horizontal

11ax(HE20)_TX_CH_11_Vertical



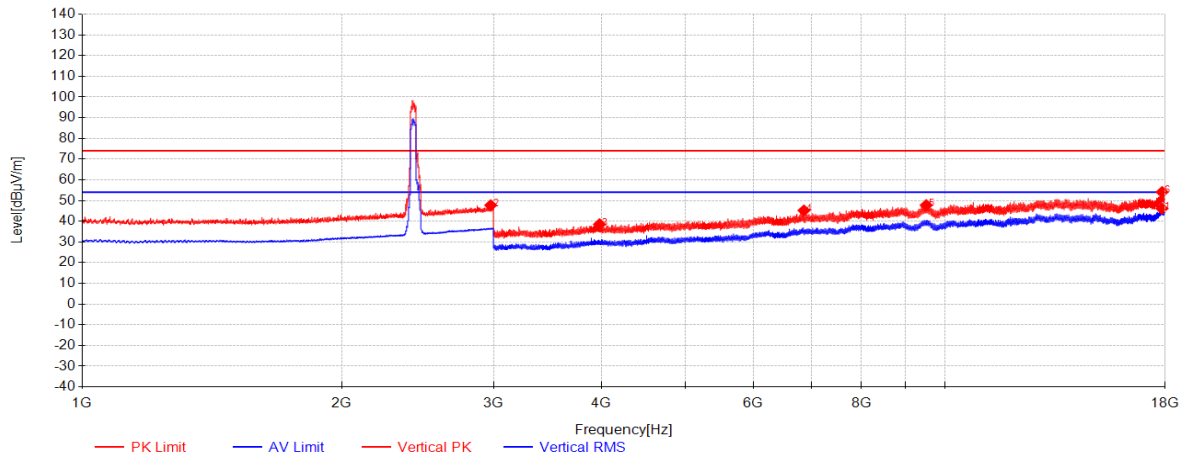
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17821.5	35.89	41.18	-30.62	46.45	54.00	7.55	Vertical
2	2995	40.89	29.58	-23.46	47.01	74.00	26.99	Vertical
3	5024.25	51.77	33.10	-44.88	39.98	74.00	34.02	Vertical
4	7396.875	55.69	36.30	-42.49	49.50	74.00	24.50	Vertical
5	11187	45.09	39.19	-35.83	48.45	74.00	25.55	Vertical
6	17874.375	43.93	41.34	-30.95	54.31	74.00	19.69	Vertical

11ax(HE40)_TX_CH_03_Horizontal



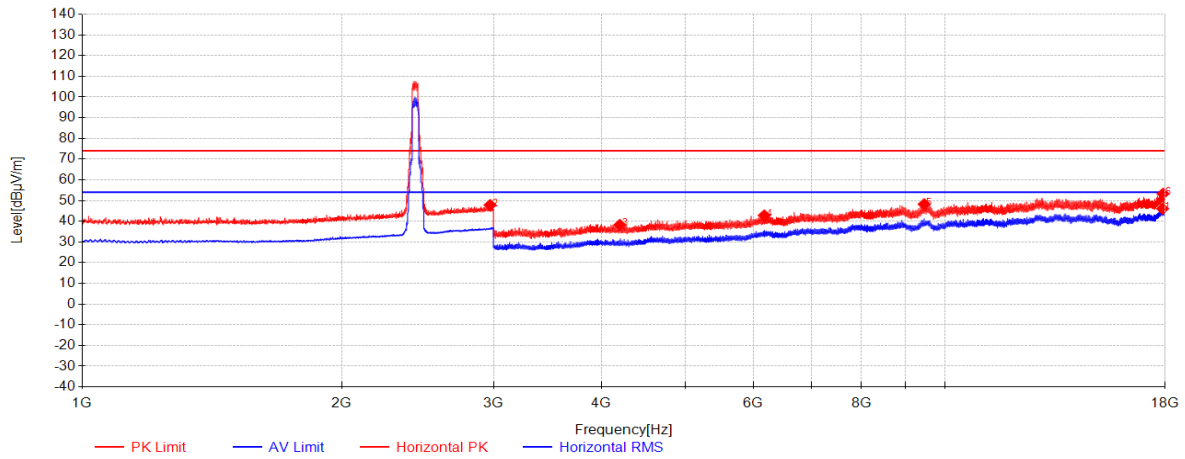
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17887.5	36.16	41.37	-31.03	46.50	54.00	7.50	Horizontal
2	2969.5	41.47	29.48	-23.48	47.47	74.00	26.53	Horizontal
3	3737.25	53.47	30.15	-45.25	38.37	74.00	35.63	Horizontal
4	7274.25	49.93	36.30	-42.18	44.05	74.00	29.95	Horizontal
5	10948.875	46.65	39.24	-36.27	49.62	74.00	24.38	Horizontal
6	17977.5	42.32	41.63	-31.04	52.91	74.00	21.09	Horizontal

11ax(HE40)_TX_CH_03_Vertical



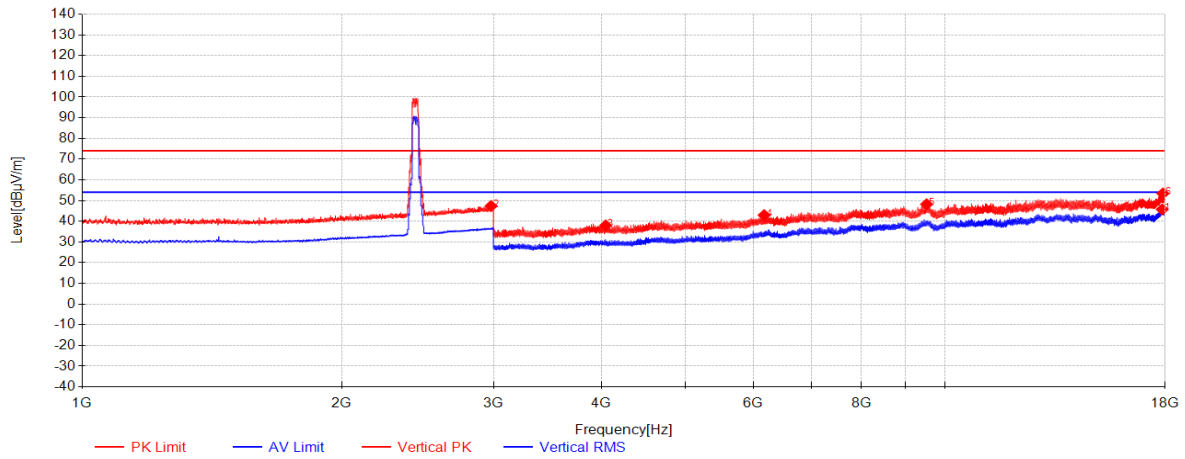
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17851.875	35.68	41.27	-30.81	46.14	54.00	7.86	Vertical
2	2976	41.69	29.50	-23.47	47.72	74.00	26.28	Vertical
3	3978.75	52.63	31.02	-45.12	38.53	74.00	35.47	Vertical
4	6865.5	51.99	36.08	-42.87	45.20	74.00	28.80	Vertical
5	9516	48.32	38.05	-38.60	47.77	74.00	26.23	Vertical
6	17859.375	43.67	41.29	-30.86	54.10	74.00	19.90	Vertical

11ax(HE40)_TX_CH_06_Horizontal



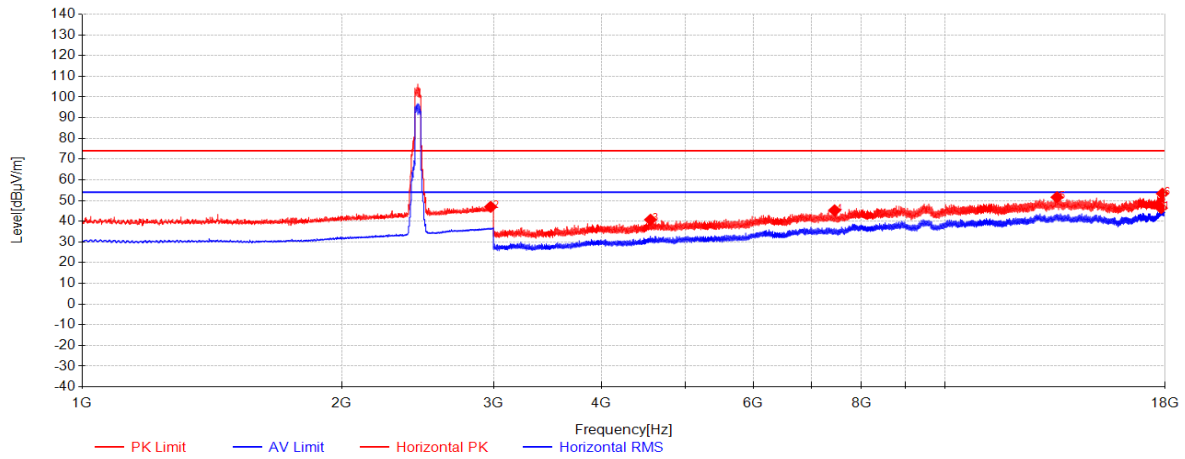
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17882.25	35.70	41.36	-31.00	46.06	54.00	7.94	Horizontal
2	2971	41.82	29.48	-23.48	47.83	74.00	26.17	Horizontal
3	4200	51.83	31.42	-45.03	38.22	74.00	35.78	Horizontal
4	6176.25	51.79	34.85	-43.84	42.81	74.00	31.19	Horizontal
5	9463.125	48.93	38.05	-38.73	48.25	74.00	25.75	Horizontal
6	17902.125	42.96	41.42	-31.11	53.27	74.00	20.73	Horizontal

11ax(HE40)_TX_CH_06_Vertical



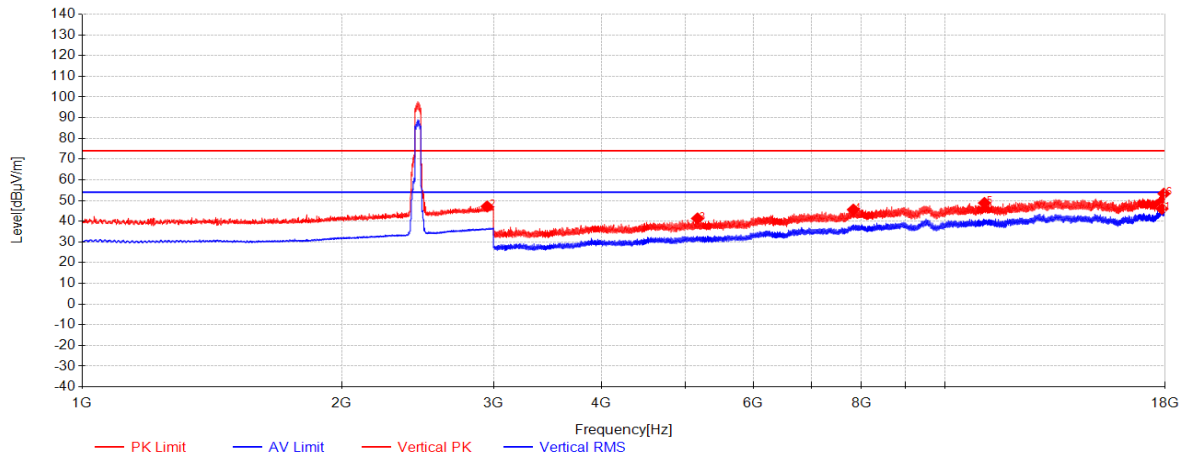
Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17864.25	35.31	41.31	-30.89	45.73	54.00	8.27	Vertical
2	2979	41.31	29.52	-23.47	47.35	74.00	26.65	Vertical
3	4044.75	51.91	31.17	-45.13	37.96	74.00	36.04	Vertical
4	6173.625	51.94	34.85	-43.84	42.94	74.00	31.06	Vertical
5	9525.375	48.71	38.05	-38.57	48.20	74.00	25.80	Vertical
6	17897.25	43.07	41.40	-31.09	53.38	74.00	20.62	Vertical

11ax(HE40)_TX_CH_09_Horizontal



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17817.375	35.77	41.17	-30.60	46.34	54.00	7.66	Horizontal
2	2975.5	40.94	29.50	-23.47	46.97	74.00	27.03	Horizontal
3	4558.875	53.85	32.04	-45.14	40.75	74.00	33.25	Horizontal
4	7452	51.35	36.30	-42.39	45.26	74.00	28.74	Horizontal
5	13490.625	46.04	40.15	-34.58	51.61	74.00	22.39	Horizontal
6	17874	42.95	41.33	-30.95	53.34	74.00	20.66	Horizontal

11ax(HE40)_TX_CH_09_Verical



Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity
1	17853.375	35.55	41.27	-30.82	46.00	54.00	8.00	Vertical
2	2947	41.25	29.39	-23.49	47.15	74.00	26.85	Vertical
3	5168.25	53.06	33.07	-44.77	41.35	74.00	32.65	Vertical
4	7833.75	49.82	36.97	-41.17	45.61	74.00	28.39	Vertical
5	11115.75	45.60	39.23	-36.02	48.81	74.00	25.19	Vertical
6	17946	42.85	41.54	-31.07	53.32	74.00	20.68	Vertical

7.5 Maximum Conducted Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)

Test Method: ANSI C63.10 (2020) Section 11.9.1

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq$ 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: 23.1 °C

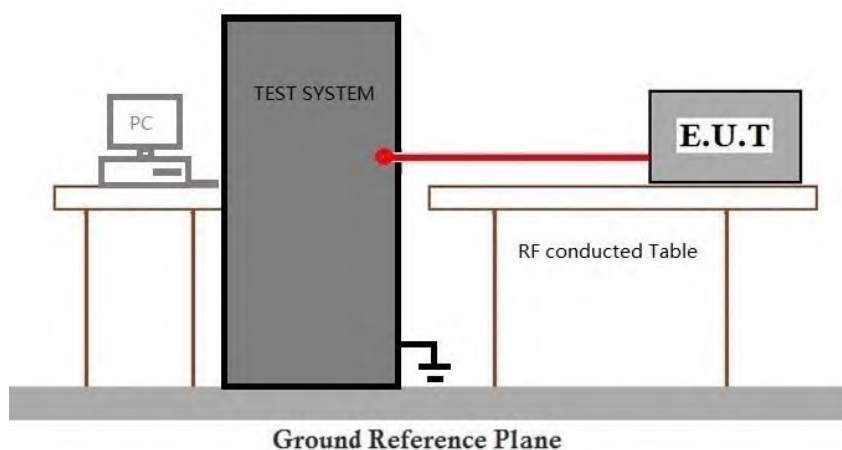
Humidity: 45.0 % RH

Atmospheric Pressure: 1001 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode(2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. 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 (2020) Section 11.8.1

Limit:

≥500 kHz

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 23.1 °C

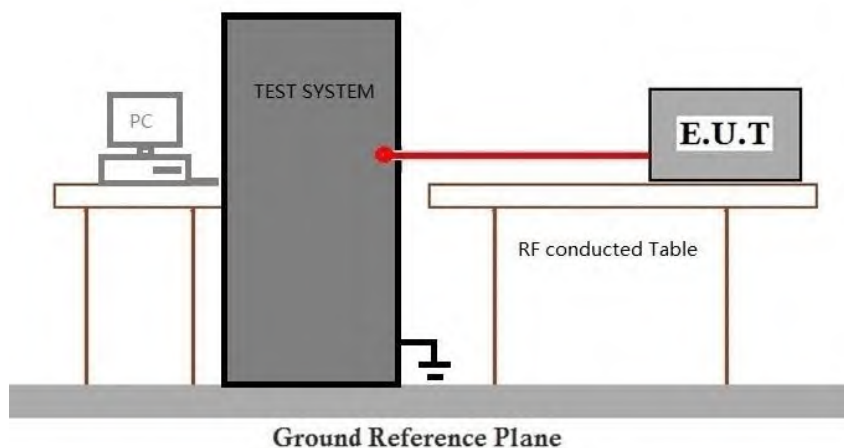
Humidity: 45.0 % RH

Atmospheric Pressure: 1001 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode(2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. Only the data of worst case is recorded in the report.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 Power Spectral Density

Test Requirement 47 CFR Part 15, Subpart C 15.247(e)

Test Method: ANSI C63.10 (2020) 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: 23.1 °C

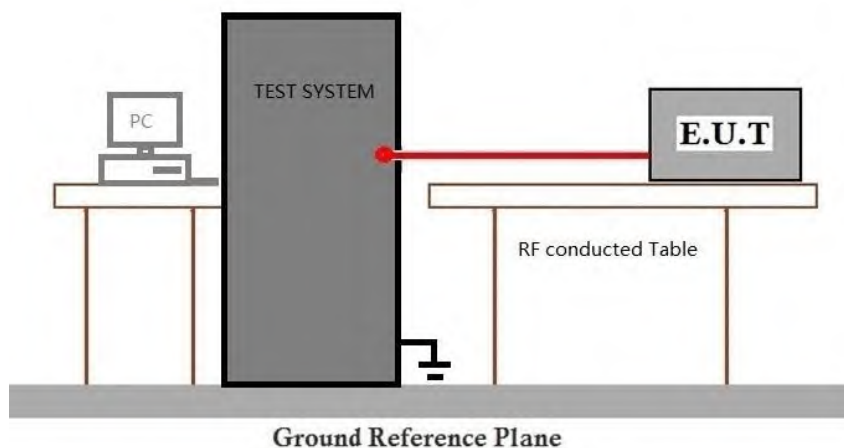
Humidity: 45.0 % RH

Atmospheric Pressure: 1001 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode(2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. Only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



7.7.4 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 (2020) Section 6.10.4

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: 23.1 °C

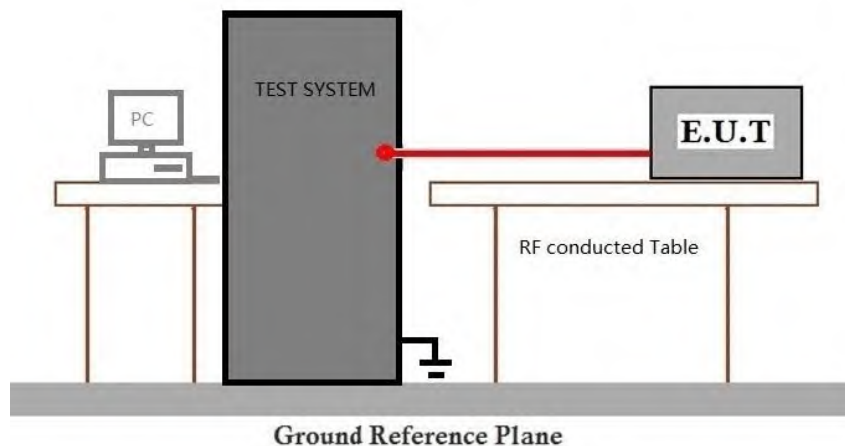
Humidity: 45.0 % RH

Atmospheric Pressure: 1001 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode(2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram





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7.8.4 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 (2020) 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: 23.1 °C

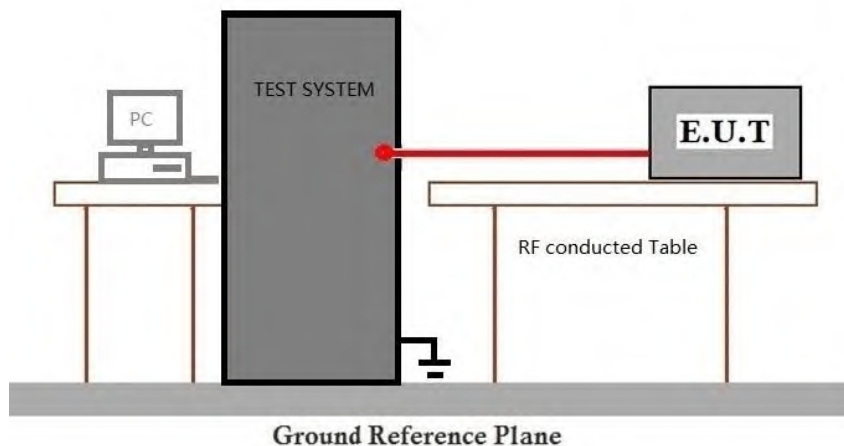
Humidity: 45.0 % RH

Atmospheric Pressure: 1001 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode(2.4G)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested. Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram





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7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SUCR2604000342WM

9 EUT Constructional Details (EUT Photos)

Refer to Appendix_Photographs of EUT Constructional Details for SUCR2604000342WM

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant4

Ant4									
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	MIMO	2412	/	/	8.383	8.420	99.56	0.02	0.04
802.11g	MIMO	2412	/	/	1.393	1.435	97.07	0.13	0.03
802.11n (HT20)	MIMO	2412	/	/	1.301	1.344	96.80	0.14	0.03
802.11n (HT40)	MIMO	2422	/	/	0.645	0.687	93.89	0.27	0.07
802.11ax (HEW20)	MIMO	2412	SU	/	1.014	1.057	95.93	0.18	0.03
802.11ax (HEW40)	MIMO	2422	SU	/	0.534	0.576	92.71	0.33	0.10

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	MIMO	2412	/	/	4	12.091	/	Pass
		2437	/	/	4	12.223	/	Pass
		2462	/	/	4	13.009	/	Pass
802.11g	MIMO	2412	/	/	4	16.755	/	Pass
		2437	/	/	4	16.585	/	Pass
		2462	/	/	4	16.778	/	Pass
802.11n (HT20)	MIMO	2412	/	/	4	17.778	/	Pass
		2437	/	/	4	17.752	/	Pass
		2462	/	/	4	18.004	/	Pass
802.11n (HT40)	MIMO	2422	/	/	4	37.471	/	Pass
		2437	/	/	4	37.133	/	Pass
		2452	/	/	4	37.481	/	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	4	18.863	/	Pass
		2437	SU	/	4	18.982	/	Pass
		2462	SU	/	4	18.986	/	Pass
802.11ax (HEW40)	MIMO	2422	SU	/	4	37.988	/	Pass
		2437	SU	/	4	37.894	/	Pass
		2452	SU	/	4	37.943	/	Pass

2.1.2 6dB BW

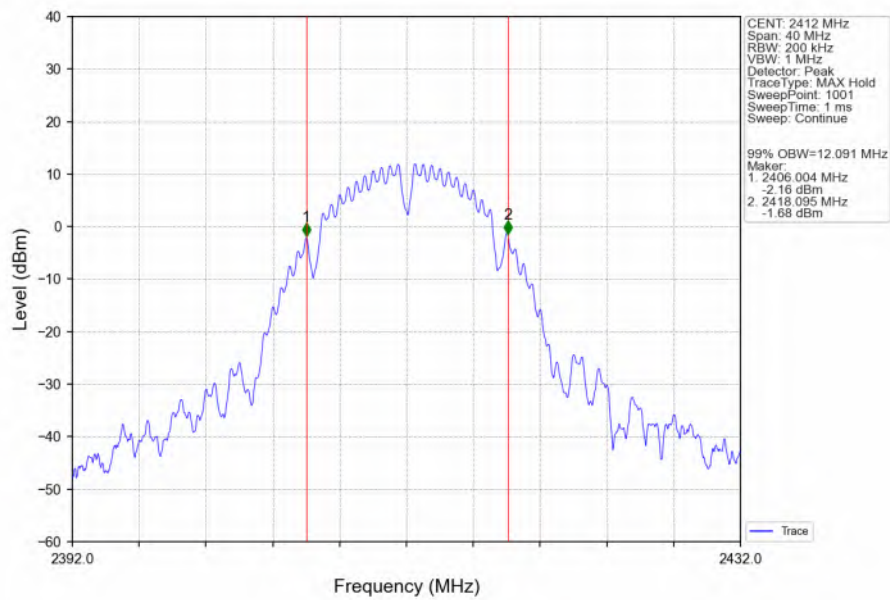
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	MIMO	2412	/	/	4	8.111	≥ 0.5	Pass
		2437	/	/	4	8.141	≥ 0.5	Pass
		2462	/	/	4	8.177	≥ 0.5	Pass
802.11g	MIMO	2412	/	/	4	16.183	≥ 0.5	Pass
		2437	/	/	4	16.375	≥ 0.5	Pass
		2462	/	/	4	16.333	≥ 0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	4	17.526	≥ 0.5	Pass
		2437	/	/	4	17.544	≥ 0.5	Pass
		2462	/	/	4	17.564	≥ 0.5	Pass
802.11n (HT40)	MIMO	2422	/	/	4	36.077	≥ 0.5	Pass
		2437	/	/	4	36.078	≥ 0.5	Pass
		2452	/	/	4	36.356	≥ 0.5	Pass
802.11ax (HEW20)	MIMO	2412	SU	/	4	18.898	≥ 0.5	Pass
		2437	SU	/	4	18.884	≥ 0.5	Pass
		2462	SU	/	4	18.807	≥ 0.5	Pass

802.11ax (HEW40)	MIMO	2422	SU	/	4	37.895	≥ 0.5	Pass
		2437	SU	/	4	37.498	≥ 0.5	Pass
		2452	SU	/	4	37.456	≥ 0.5	Pass

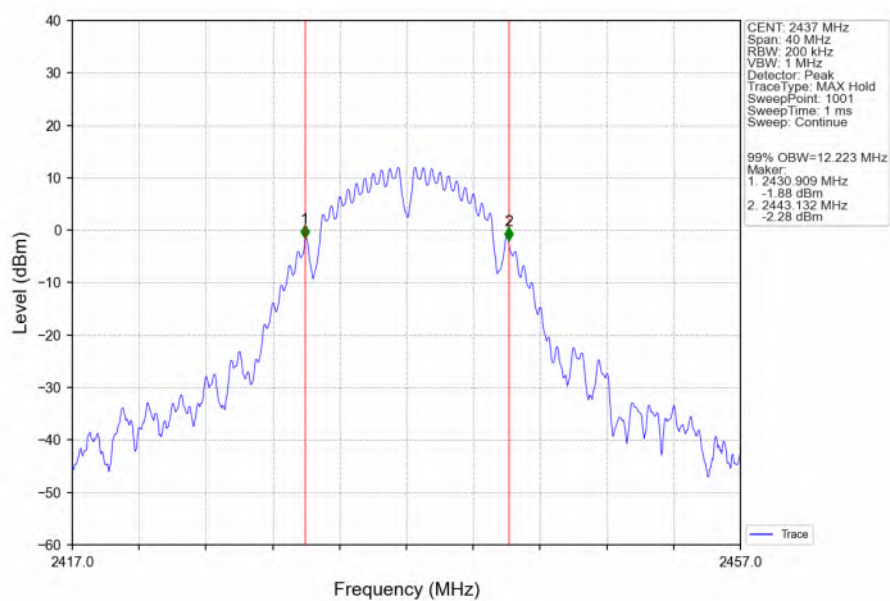
2.2 Test Graph

2.2.1 OBW

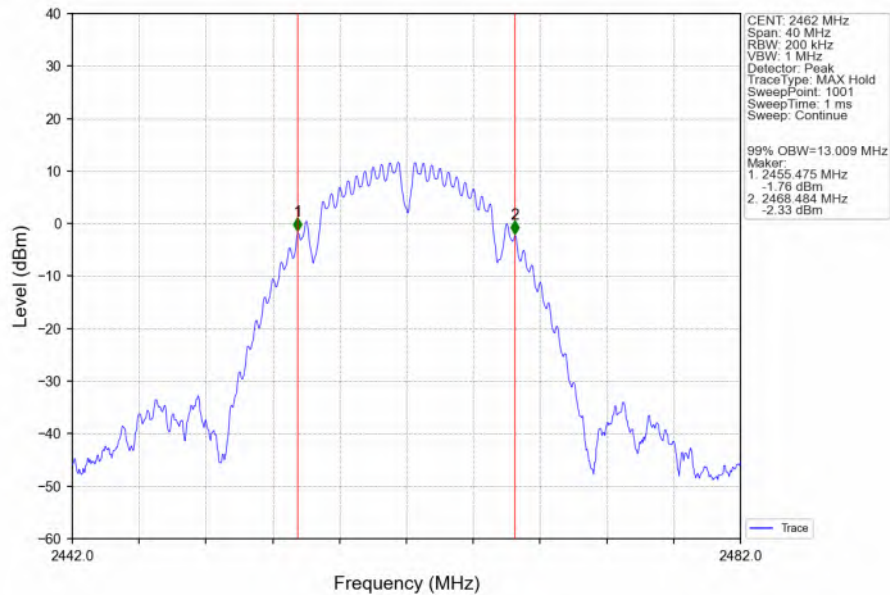
802.11b LCH 2412MHz Ant4 (MIMO) NTN



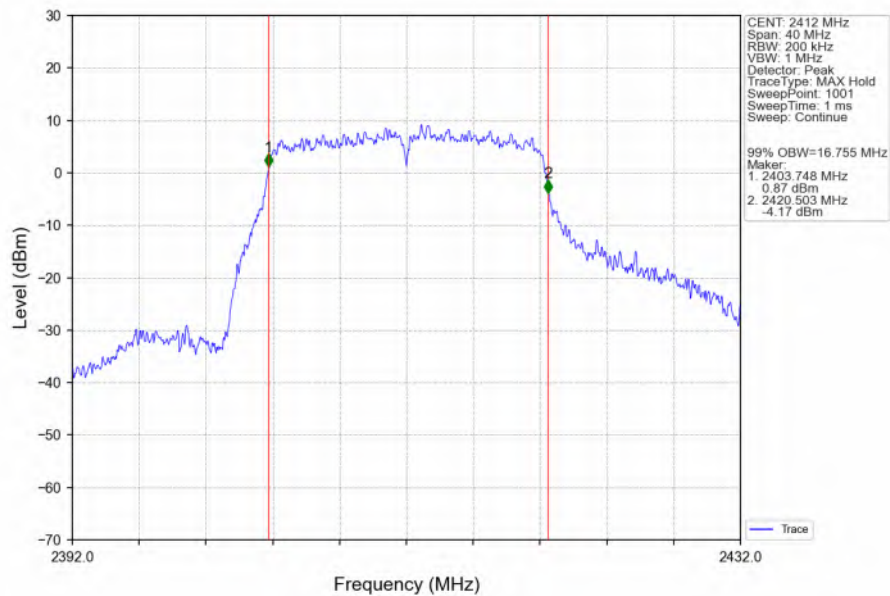
802.11b MCH 2437MHz Ant4 (MIMO) NTN



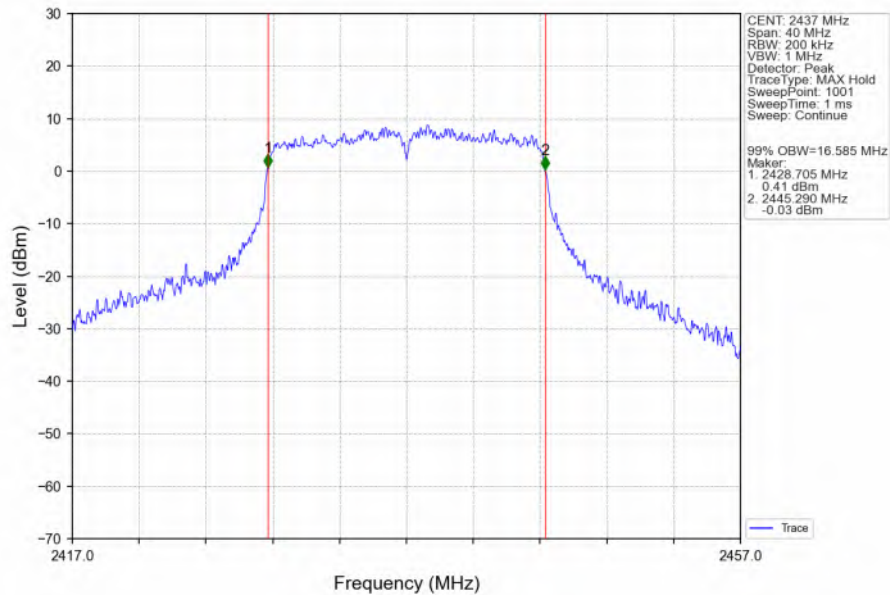
802.11b_HCH_2462MHz_Ant4 (MIMO)_NTNV



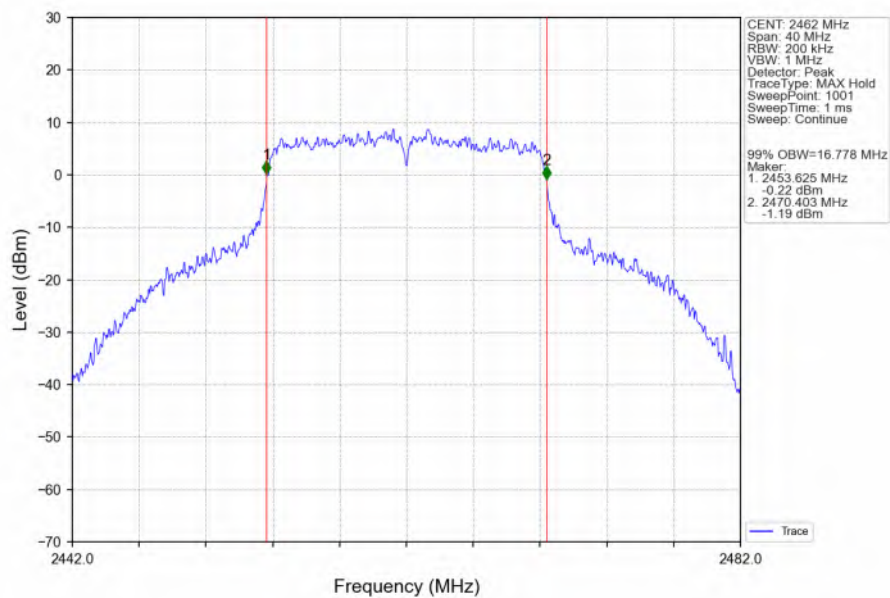
802.11g_LCH_2412MHz_Ant4 (MIMO)_NTNV



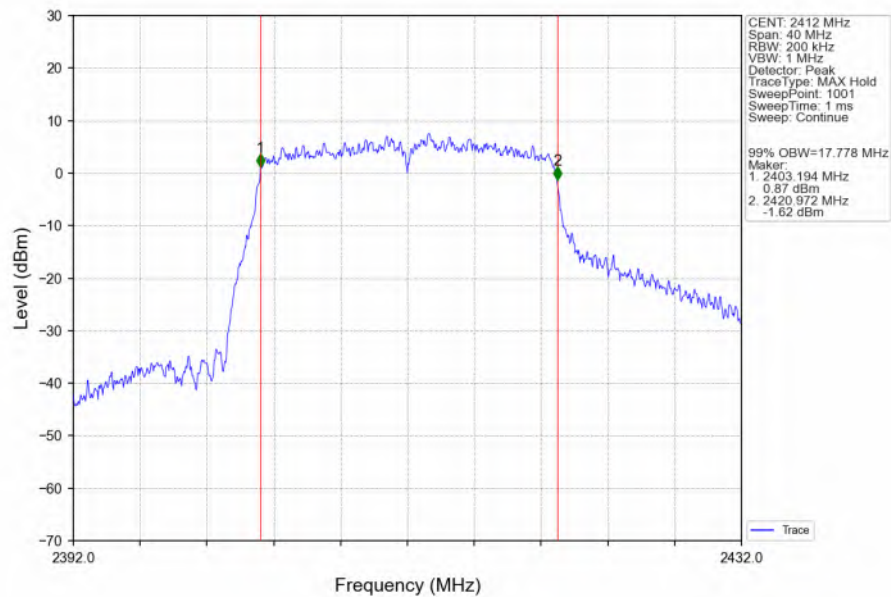
802.11g_MCH_2437MHz_Ant4 (MIMO)_NTNV



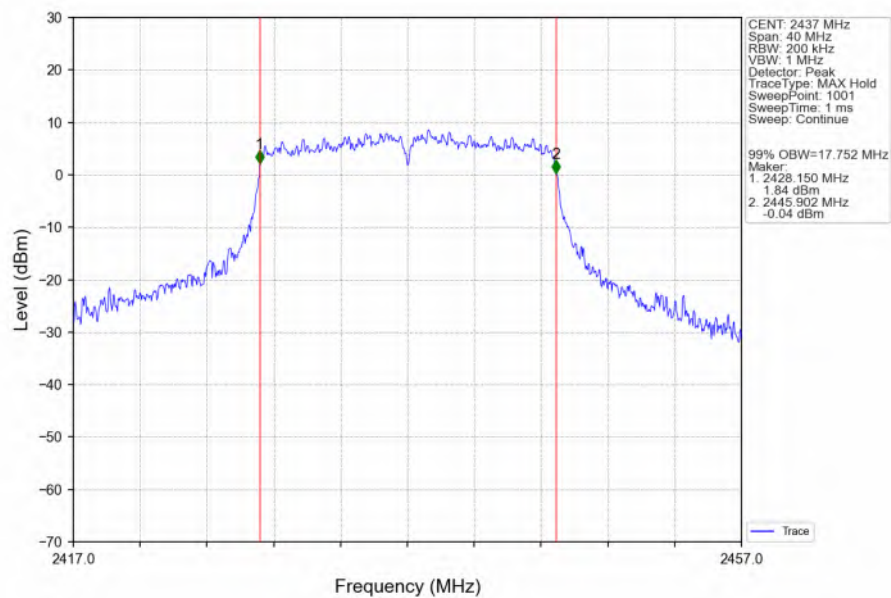
802.11g_HCH_2462MHz_Ant4 (MIMO)_NTNV



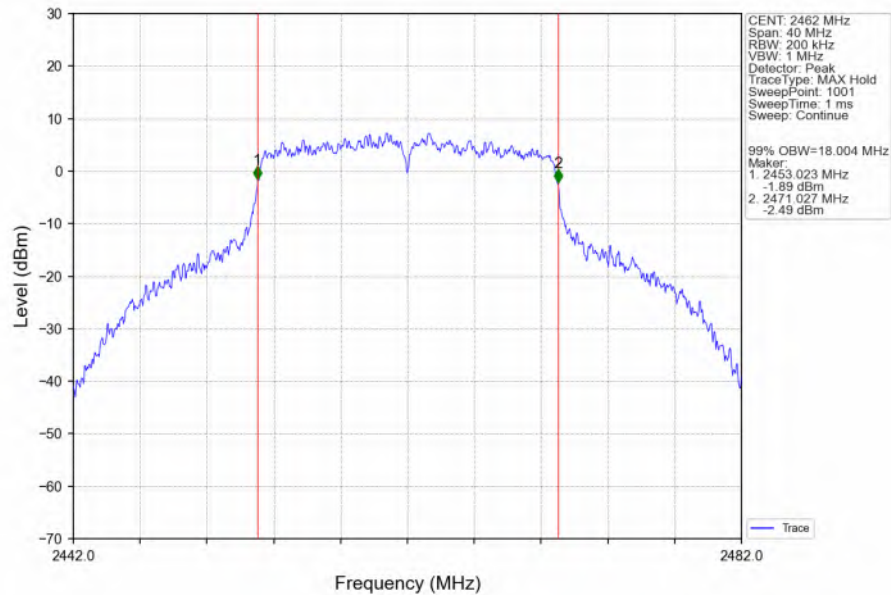
802.11n(HT20) LCH 2412MHz_Ant4 (MIMO) NTN



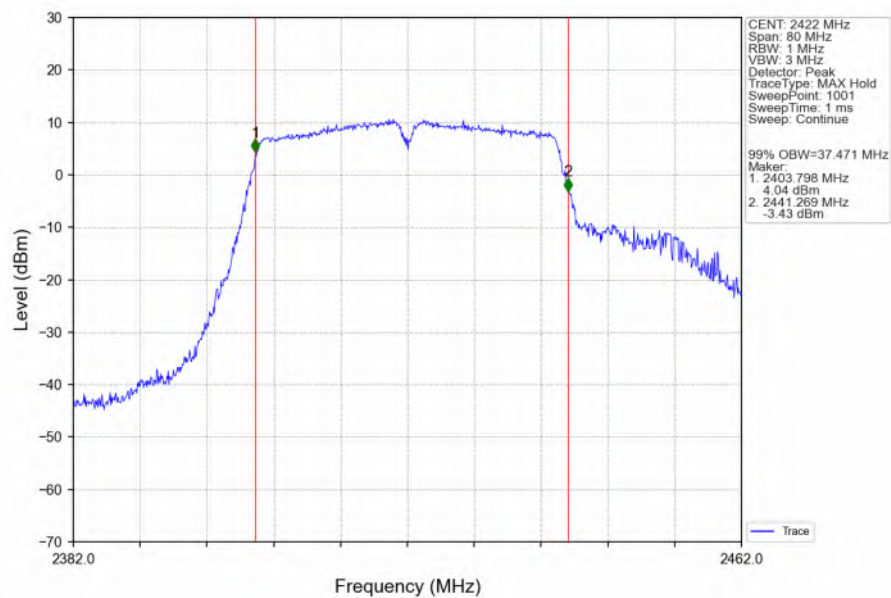
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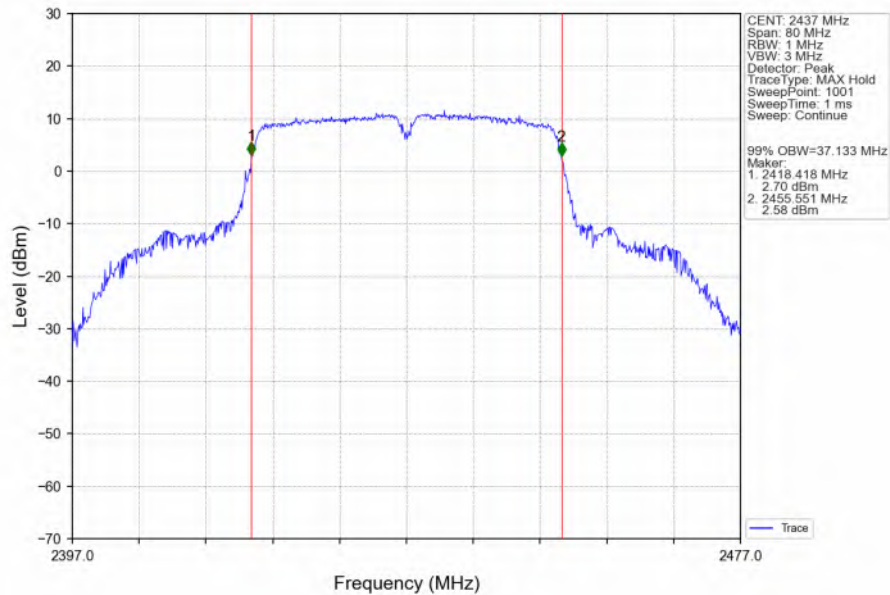
802.11n(HT20) HCH 2462MHz_Ant4 (MIMO) NTN



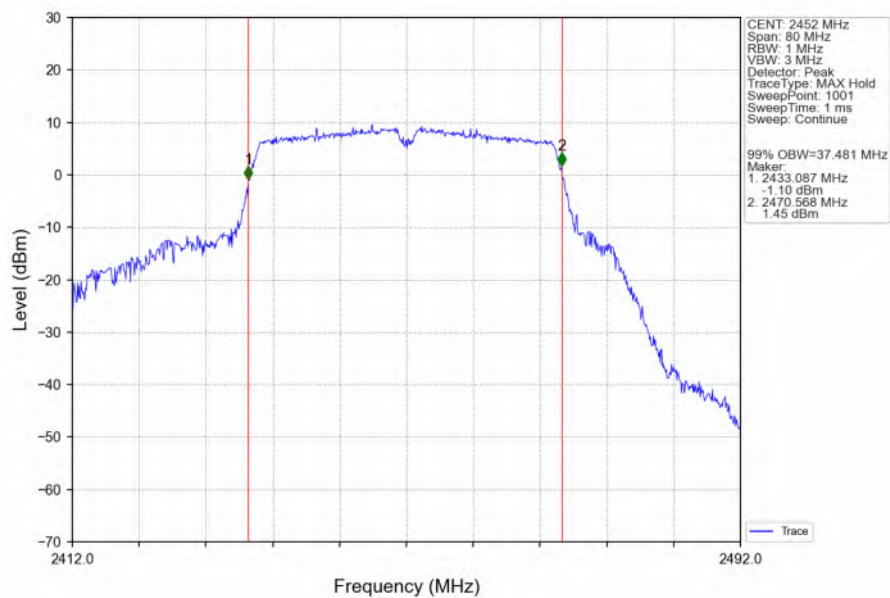
802.11n(HT40) LCH 2422MHz_Ant4 (MIMO) NTN



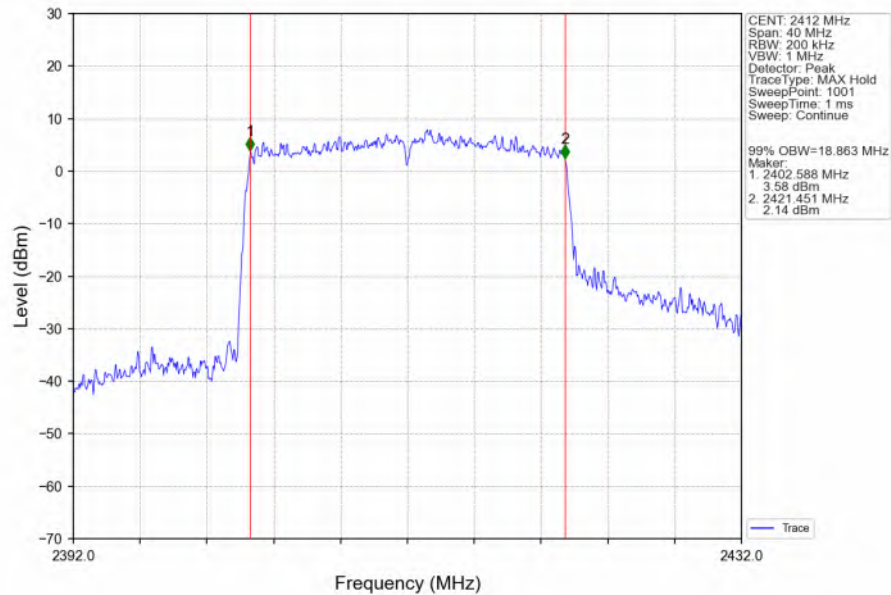
802.11n(HT40) MCH 2437MHz_Ant4 (MIMO) NTN



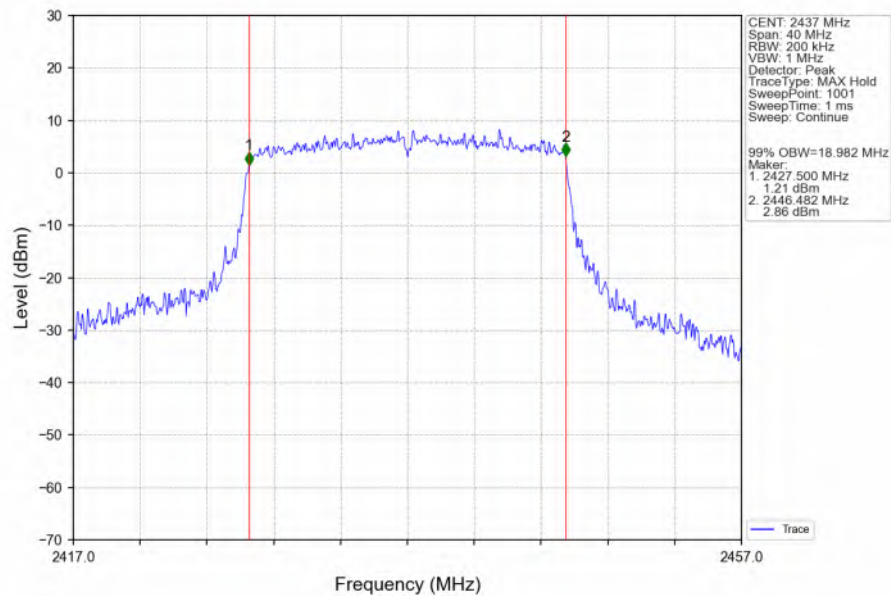
802.11n(HT40) HCH 2452MHz_Ant4 (MIMO) NTN



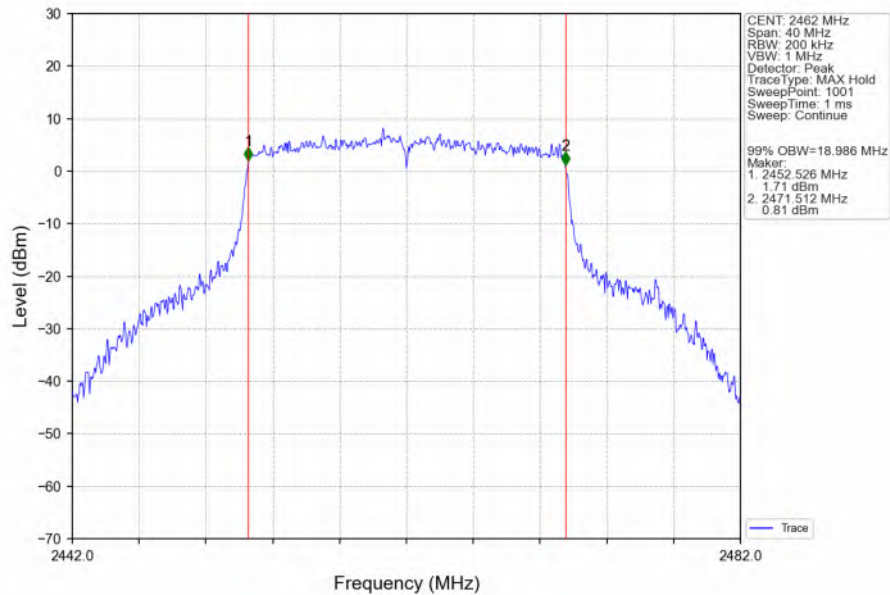
802.11ax(HEW20) LCH 2412MHz SU / Ant4 (MIMO) NTNv



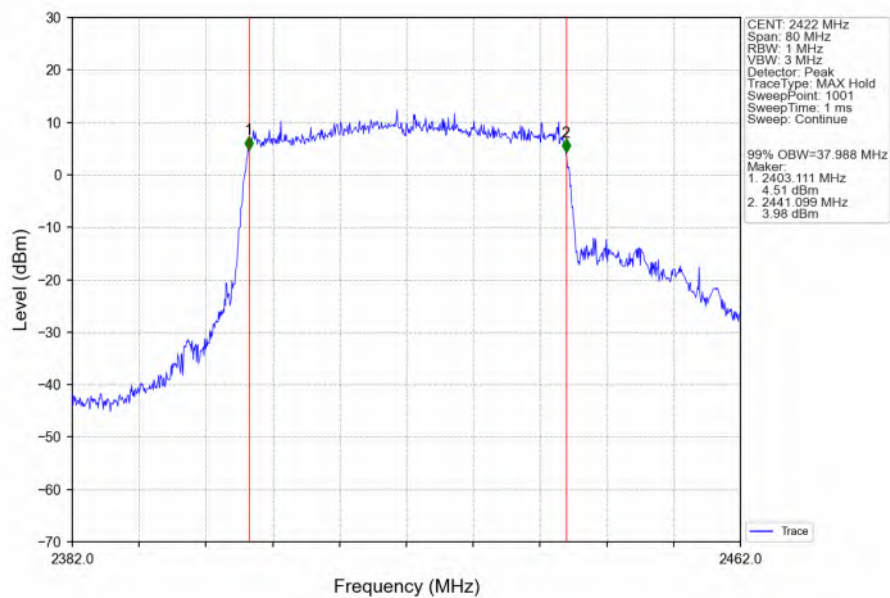
802.11ax(HEW20) MCH 2437MHz SU / Ant4 (MIMO) NTNv



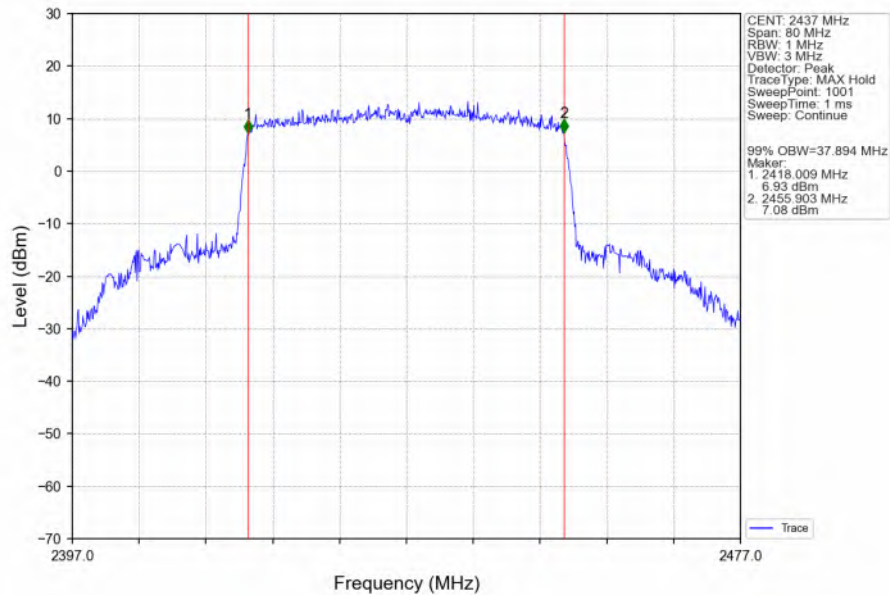
802.11ax(HEW20) HCH 2462MHz SU / Ant4 (MIMO) NTNW



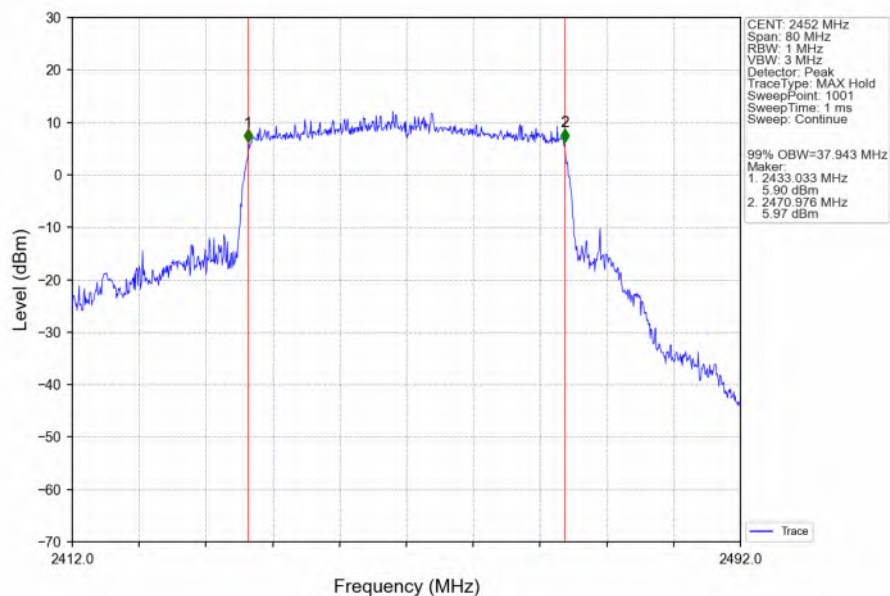
802.11ax(HEW40) LCH 2422MHz SU / Ant4 (MIMO) NTNW



802.11ax(HEW40) MCH 2437MHz SU / Ant4 (MIMO) NTN

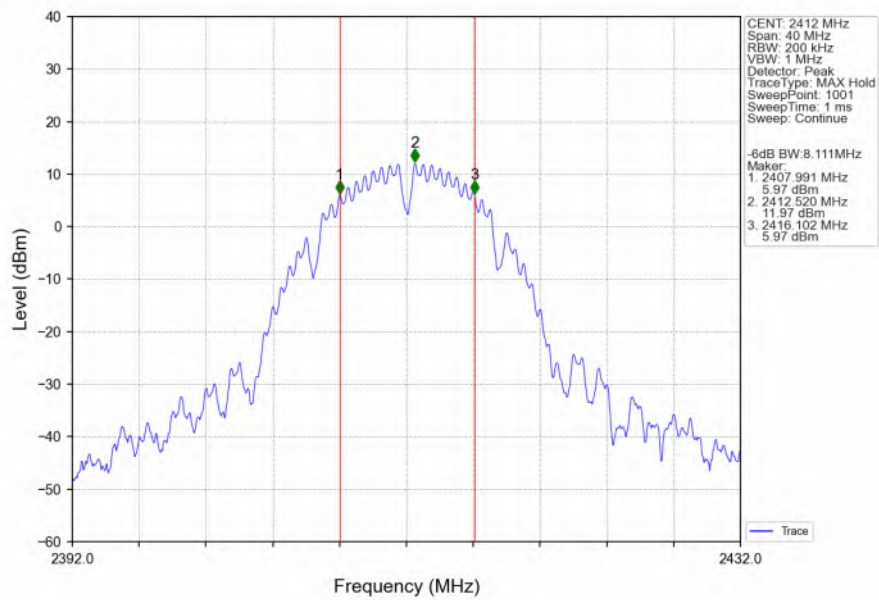


802.11ax(HEW40) HCH 2452MHz SU / Ant4 (MIMO) NTN



2.2.2 6dB BW

802.11b LCH 2412MHz Ant4 (MIMO) NTN



802.11b MCH 2437MHz Ant4 (MIMO) NTN

