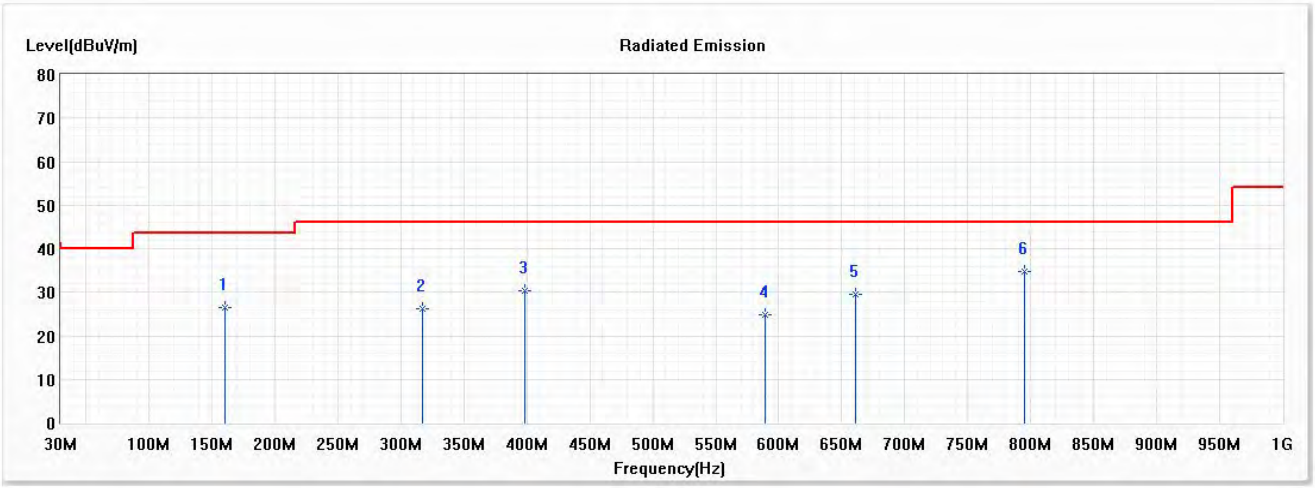
Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/19
Test Mode : Mode 18 SISO B: Transmit (802.11ax-160BW_72.1Mbps) (5570MHz)

Horizontal



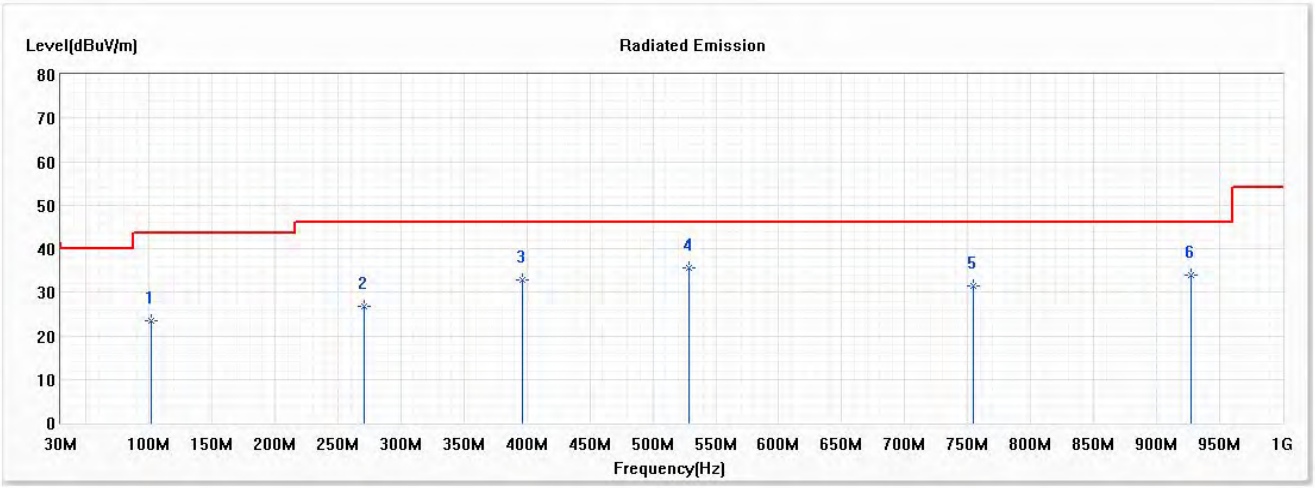
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	160.739	26.42	43.50	-17.08	36.89	-10.47	QP
2	316.783	26.17	46.00	-19.83	35.48	-9.31	QP
3	398.319	30.23	46.00	-15.77	37.55	-7.32	QP
4	589.507	24.93	46.00	-21.07	28.37	-3.44	QP
5	661.203	29.54	46.00	-16.46	32.07	-2.53	QP
* 6	794.754	34.81	46.00	-11.19	35.20	-0.39	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/19
Test Mode : Mode 18 SISO B: Transmit (802.11ax-160BW_72.1Mbps) (5570MHz)

Vertical



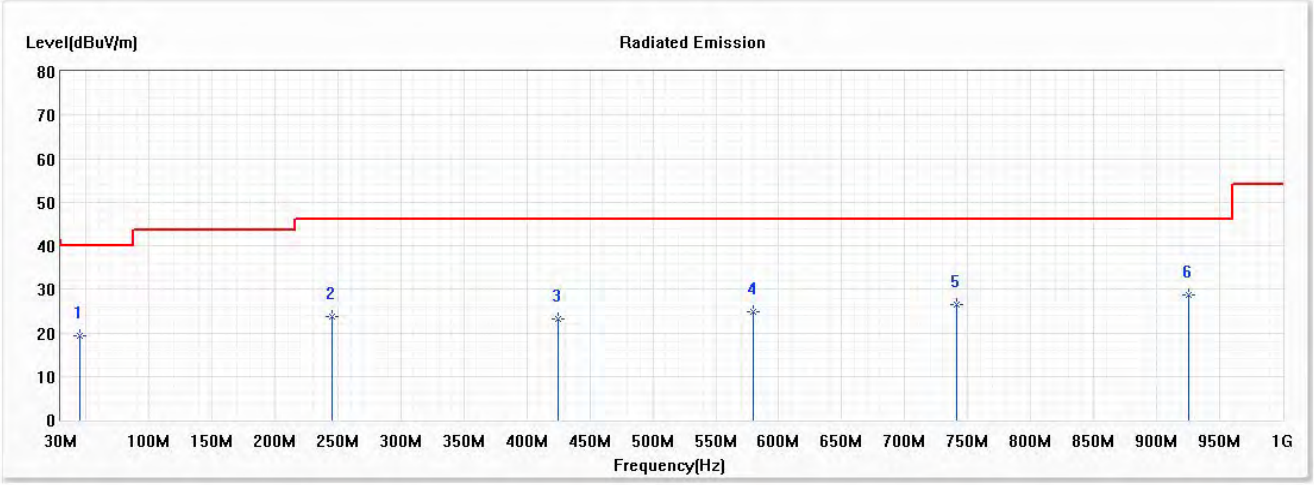
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	101.696	23.56	43.50	-19.94	38.72	-15.16	QP
2	270.391	26.70	46.00	-19.30	37.40	-10.70	QP
3	396.913	32.73	46.00	-13.27	40.08	-7.35	QP
* 4	529.058	35.57	46.00	-10.43	40.32	-4.75	QP
5	753.986	31.55	46.00	-14.45	32.42	-0.87	QP
6	926.899	33.97	46.00	-12.03	32.75	1.22	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 23 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (5200MHz)

Horizontal



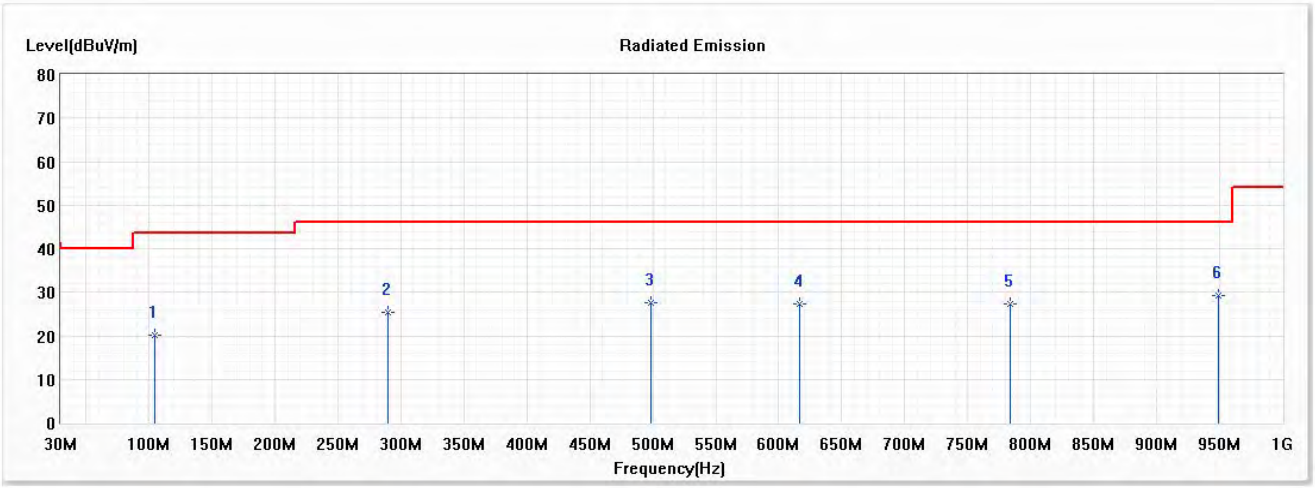
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	45.464	19.22	40.00	-20.78	29.48	-10.26	QP
2	245.087	23.79	46.00	-22.21	35.29	-11.50	QP
3	425.029	23.06	46.00	-22.94	29.73	-6.67	QP
4	579.667	24.96	46.00	-21.04	28.71	-3.75	QP
5	741.333	26.55	46.00	-19.45	27.64	-1.09	QP
* 6	925.493	28.62	46.00	-17.38	27.43	1.19	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 23 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (5200MHz)

Vertical



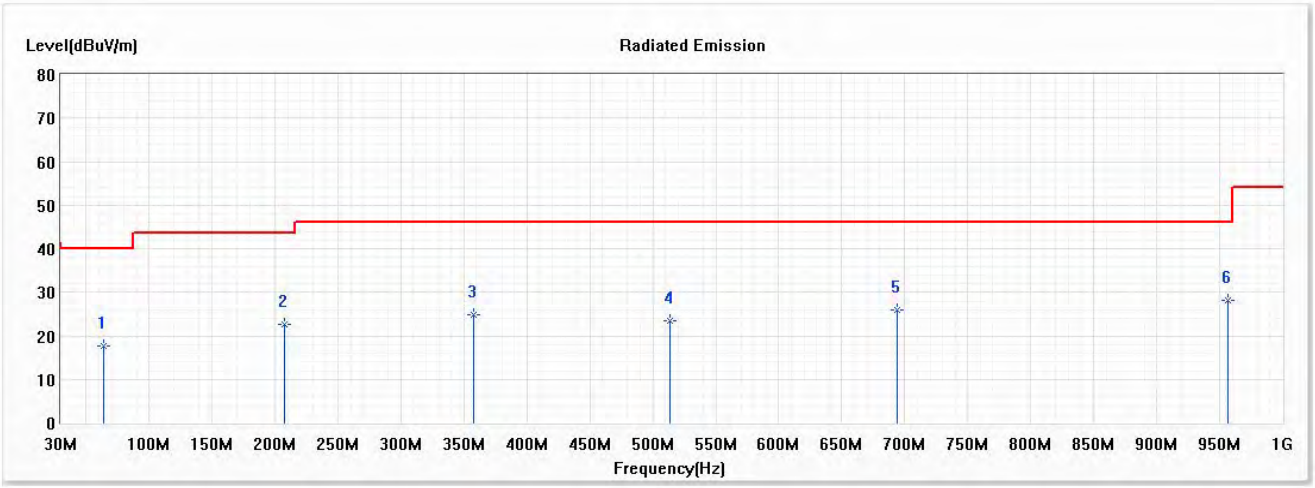
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	104.507	20.07	43.50	-23.43	34.65	-14.58	QP
2	290.072	25.42	46.00	-20.58	35.39	-9.97	QP
3	498.130	27.48	46.00	-18.52	32.94	-5.46	QP
4	616.217	27.18	46.00	-18.82	30.24	-3.06	QP
5	783.507	27.41	46.00	-18.59	27.86	-0.45	QP
* 6	949.391	29.25	46.00	-16.75	27.64	1.61	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 23 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (5300MHz)

Horizontal



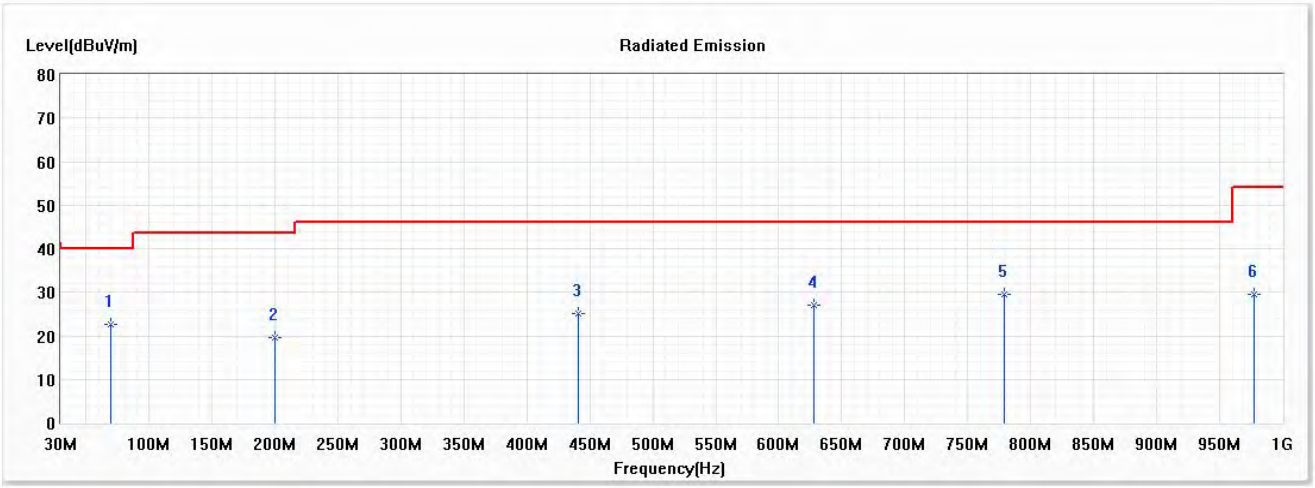
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	63.739	17.72	40.00	-22.28	29.56	-11.84	QP
2	207.130	22.72	43.50	-20.78	35.96	-13.24	QP
3	357.551	24.89	46.00	-21.11	33.29	-8.40	QP
4	513.594	23.42	46.00	-22.58	28.46	-5.04	QP
5	693.536	26.05	46.00	-19.95	28.16	-2.11	QP
* 6	956.420	28.07	46.00	-17.93	26.46	1.61	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 23 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (5300MHz)

Vertical



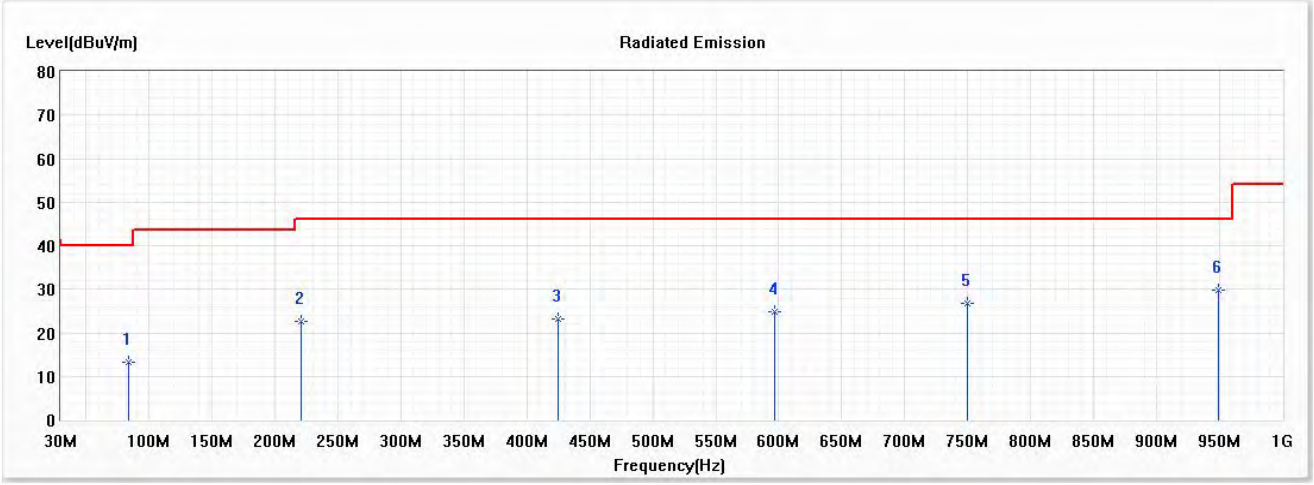
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	69.362	22.66	40.00	-17.34	35.65	-12.99	QP
2	200.101	19.70	43.50	-23.80	33.06	-13.36	QP
3	440.493	25.10	46.00	-20.90	31.45	-6.35	QP
4	627.464	27.09	46.00	-18.91	30.05	-2.96	QP
* 5	779.290	29.60	46.00	-16.40	30.13	-0.53	QP
6	977.507	29.40	54.00	-24.60	27.76	1.64	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 23 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (5600MHz)

Horizontal



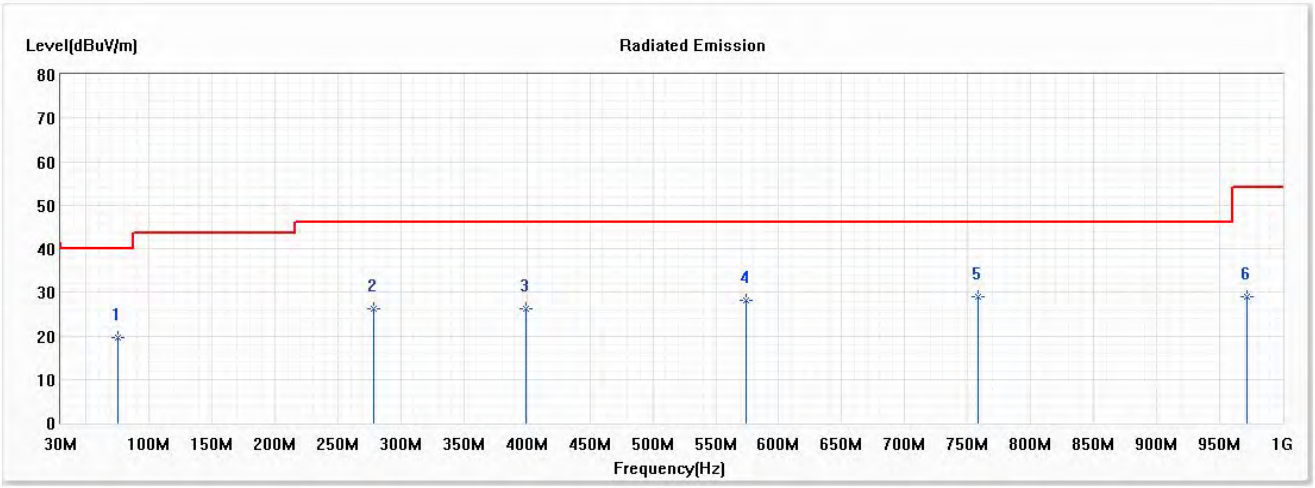
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	83.420	13.18	40.00	-26.82	29.28	-16.10	QP
2	221.188	22.68	46.00	-23.32	35.36	-12.68	QP
3	425.029	23.06	46.00	-22.94	29.73	-6.67	QP
4	596.536	24.83	46.00	-21.17	28.03	-3.20	QP
5	749.768	26.72	46.00	-19.28	27.61	-0.89	QP
* 6	949.391	29.82	46.00	-16.18	28.21	1.61	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 23 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (5600MHz)

Vertical



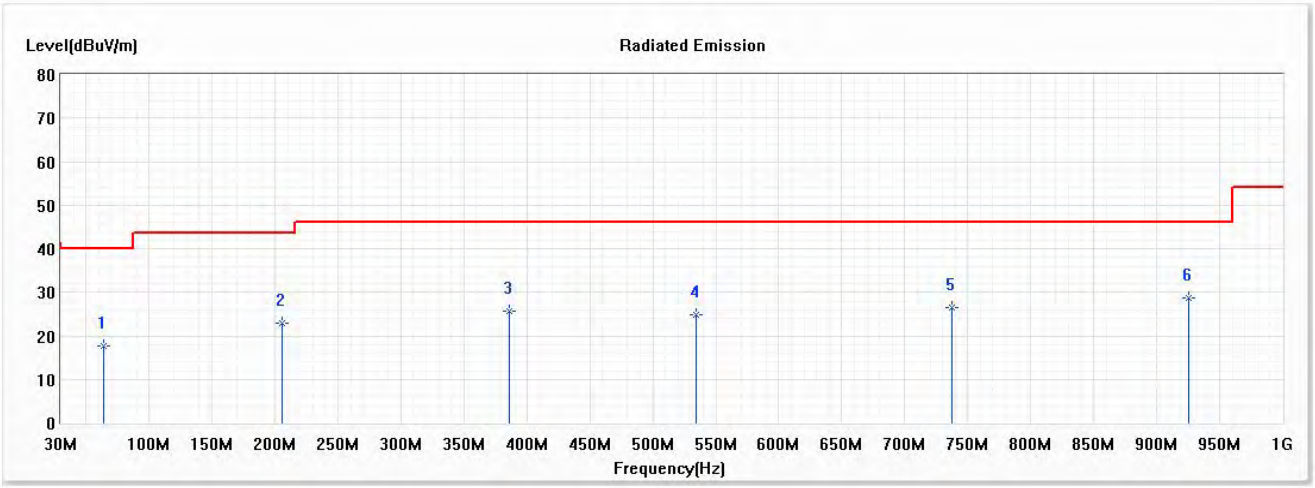
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	74.986	19.50	40.00	-20.50	33.58	-14.08	QP
2	278.826	26.17	46.00	-19.83	36.45	-10.28	QP
3	399.725	26.07	46.00	-19.93	33.37	-7.30	QP
4	574.043	28.07	46.00	-17.93	31.95	-3.88	QP
* 5	758.203	29.06	46.00	-16.94	29.92	-0.86	QP
6	971.884	28.93	54.00	-25.07	27.23	1.70	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 23 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (5785MHz)

Horizontal



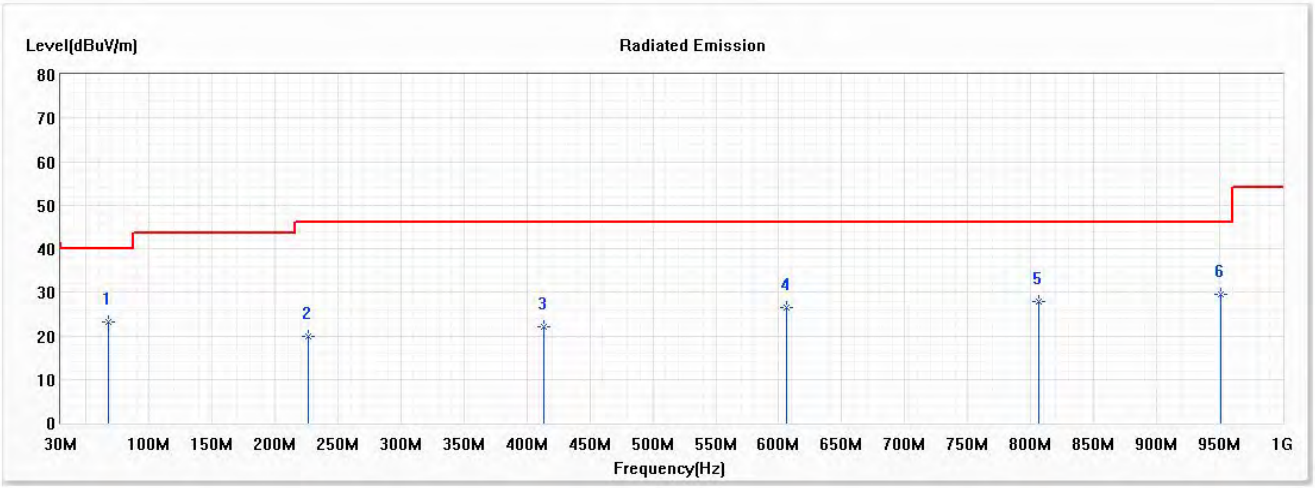
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	63.739	17.72	40.00	-22.28	29.56	-11.84	QP
2	205.725	22.76	43.50	-20.74	36.07	-13.31	QP
3	385.667	25.75	46.00	-20.25	33.26	-7.51	QP
4	534.681	24.76	46.00	-21.24	29.32	-4.56	QP
5	737.116	26.57	46.00	-19.43	27.78	-1.21	QP
* 6	925.493	28.62	46.00	-17.38	27.43	1.19	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 23 MIMO: Transmit (802.11ax-20BW_17.2Mbps) (5785MHz)

Vertical



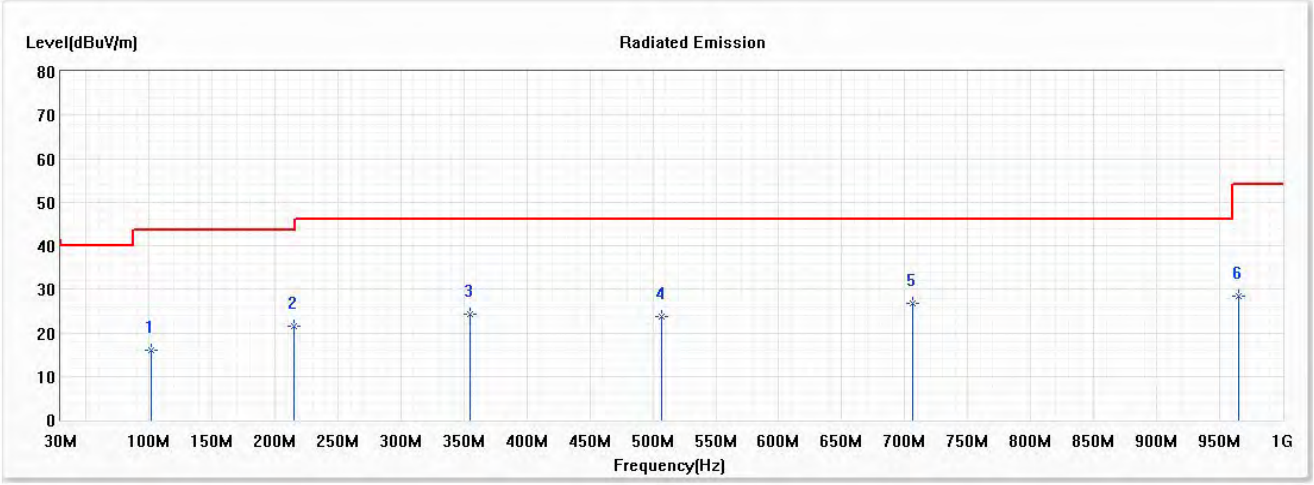
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	67.957	23.07	40.00	-16.93	35.71	-12.64	QP
2	226.812	19.73	46.00	-26.27	31.91	-12.18	QP
3	413.783	22.00	46.00	-24.00	28.93	-6.93	QP
4	606.377	26.36	46.00	-19.64	29.44	-3.08	QP
5	806.000	28.00	46.00	-18.00	28.34	-0.34	QP
* 6	950.797	29.65	46.00	-16.35	28.04	1.61	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 24 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (5230MHz)

Horizontal



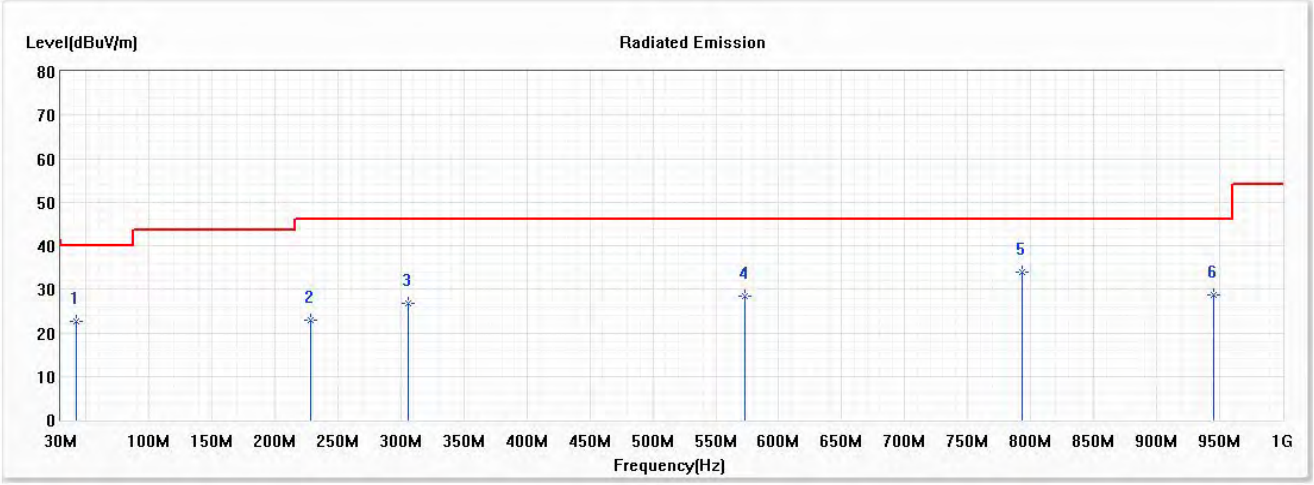
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	101.696	15.99	43.50	-27.51	31.15	-15.16	QP
2	215.565	21.57	43.50	-21.93	34.55	-12.98	QP
3	354.739	24.25	46.00	-21.75	32.75	-8.50	QP
4	506.565	23.79	46.00	-22.21	29.07	-5.28	QP
* 5	706.188	26.89	46.00	-19.11	28.81	-1.92	QP
6	964.855	28.36	54.00	-25.64	26.64	1.72	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 24 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (5230MHz)

Vertical



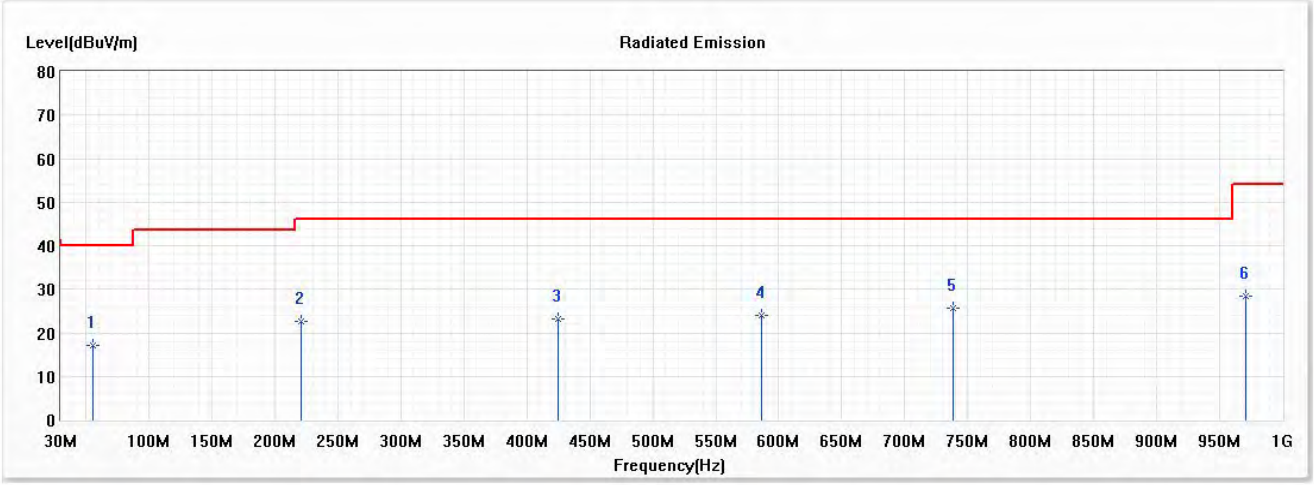
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	42.652	22.60	40.00	-17.40	33.06	-10.46	QP
2	228.217	22.77	46.00	-23.23	34.81	-12.04	QP
3	305.536	26.89	46.00	-19.11	36.50	-9.61	QP
4	572.638	28.55	46.00	-17.45	32.46	-3.91	QP
* 5	793.348	34.06	46.00	-11.94	34.48	-0.42	QP
6	945.174	28.78	46.00	-17.22	27.28	1.50	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 24 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (5310MHz)

Horizontal



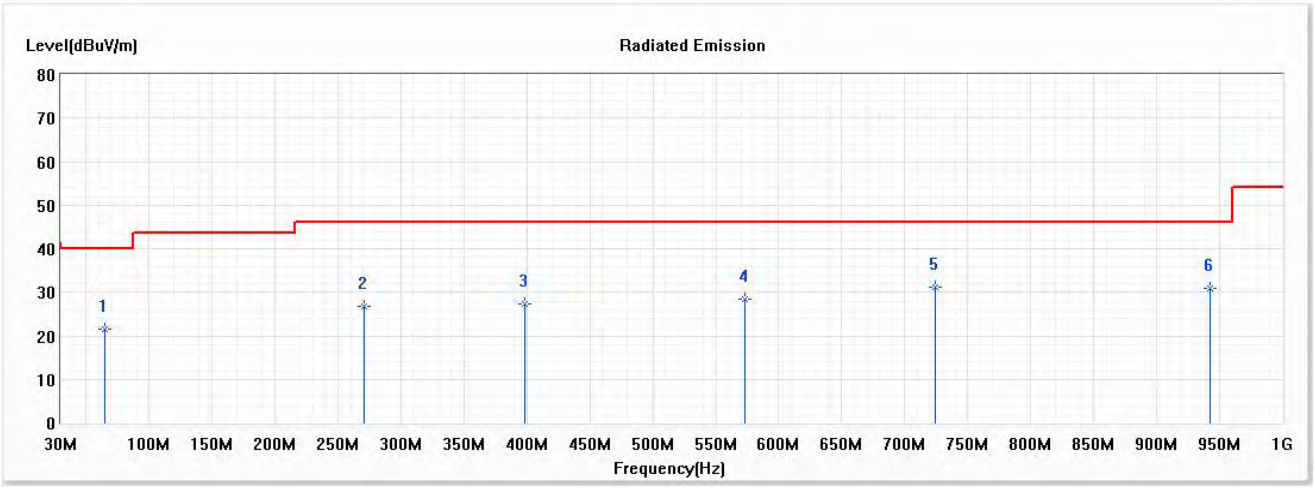
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	55.304	17.21	40.00	-22.79	27.77	-10.56	QP
2	221.188	22.68	46.00	-23.32	35.36	-12.68	QP
3	425.029	23.06	46.00	-22.94	29.73	-6.67	QP
4	586.696	23.98	46.00	-22.02	27.53	-3.55	QP
* 5	738.522	25.62	46.00	-20.38	26.77	-1.15	QP
6	970.478	28.28	54.00	-25.72	26.56	1.72	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 24 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (5310MHz)

Vertical



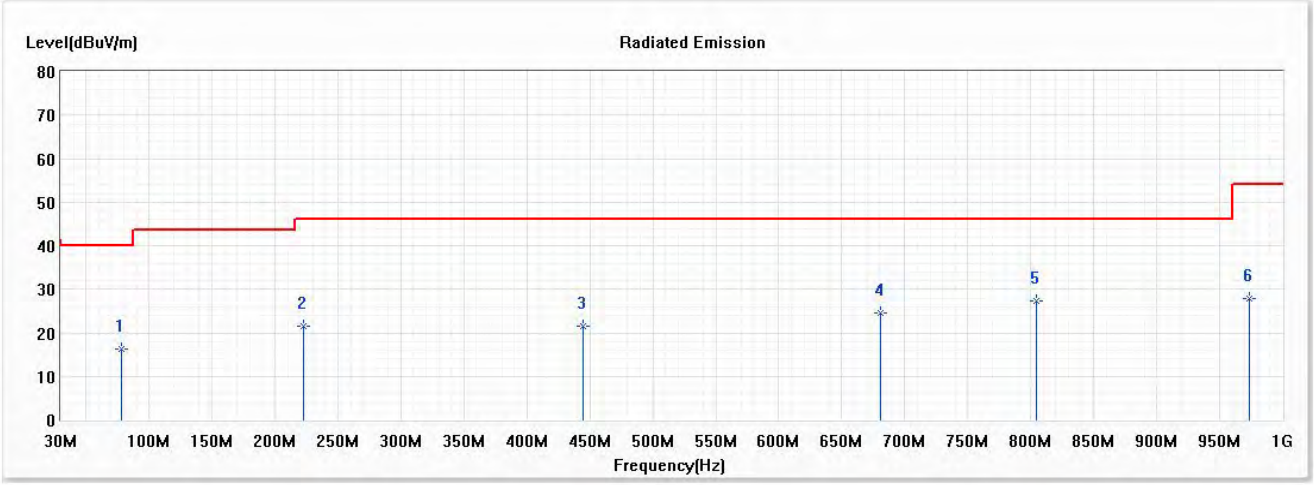
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	65.145	21.53	40.00	-18.47	33.64	-12.11	QP
2	270.391	26.70	46.00	-19.30	37.40	-10.70	QP
3	398.319	27.25	46.00	-18.75	34.57	-7.32	QP
4	572.638	28.55	46.00	-17.45	32.46	-3.91	QP
* 5	724.464	31.10	46.00	-14.90	32.64	-1.54	QP
6	942.362	31.01	46.00	-14.99	29.56	1.45	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 24 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (5590MHz)

Horizontal



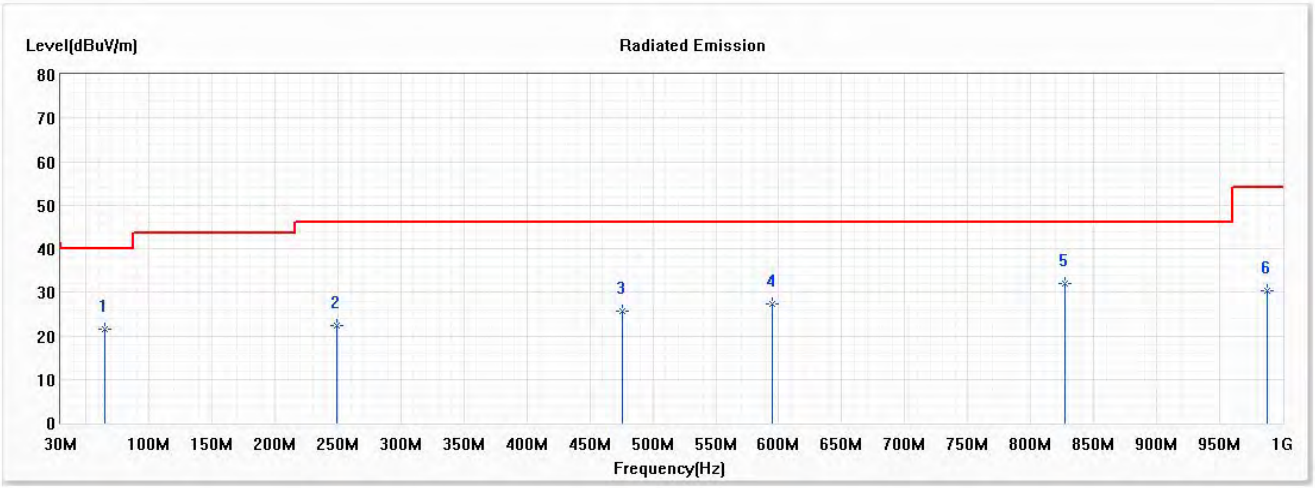
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	77.797	16.17	40.00	-23.83	31.09	-14.92	QP
2	222.594	21.41	46.00	-24.59	33.98	-12.57	QP
3	444.710	21.41	46.00	-24.59	27.67	-6.26	QP
4	680.884	24.59	46.00	-21.41	26.87	-2.28	QP
* 5	804.594	27.34	46.00	-18.66	27.70	-0.36	QP
6	973.290	27.89	54.00	-26.11	26.22	1.67	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product	:	Portable Computer
Test Item	:	General Radiated Emission
Test Date	:	2021/01/21
Test Mode	:	Mode 24 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (5590MHz)

Vertical



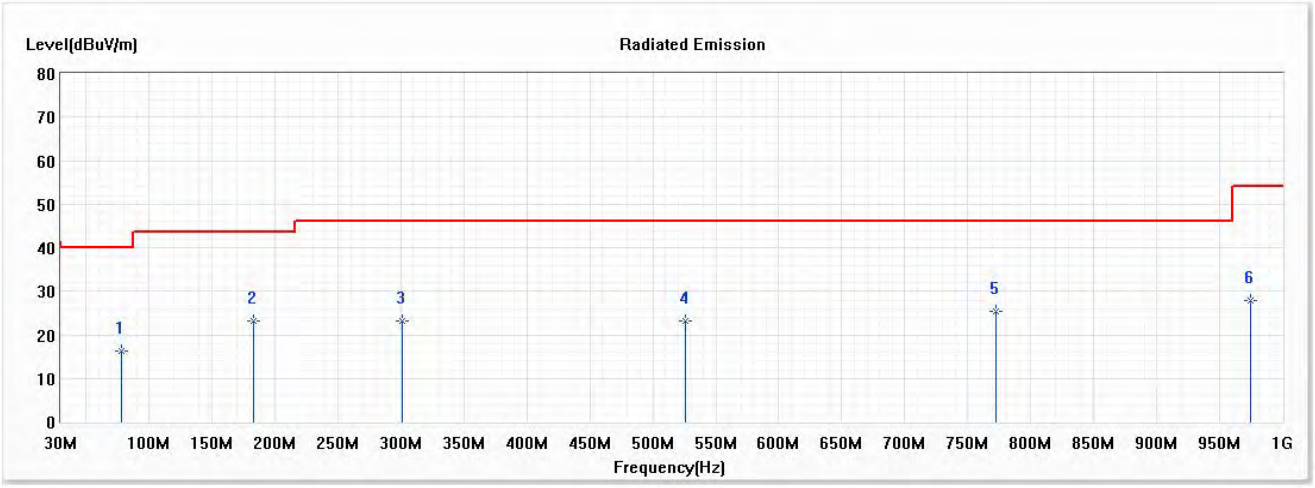
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	65.145	21.53	40.00	-18.47	33.64	-12.11	QP
2	249.304	22.21	46.00	-23.79	33.61	-11.40	QP
3	475.638	25.52	46.00	-20.48	31.35	-5.83	QP
4	595.130	27.37	46.00	-18.63	30.57	-3.20	QP
* 5	827.087	32.03	46.00	-13.97	32.24	-0.21	QP
6	987.348	30.39	54.00	-23.61	28.69	1.70	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 24 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (5795MHz)

Horizontal



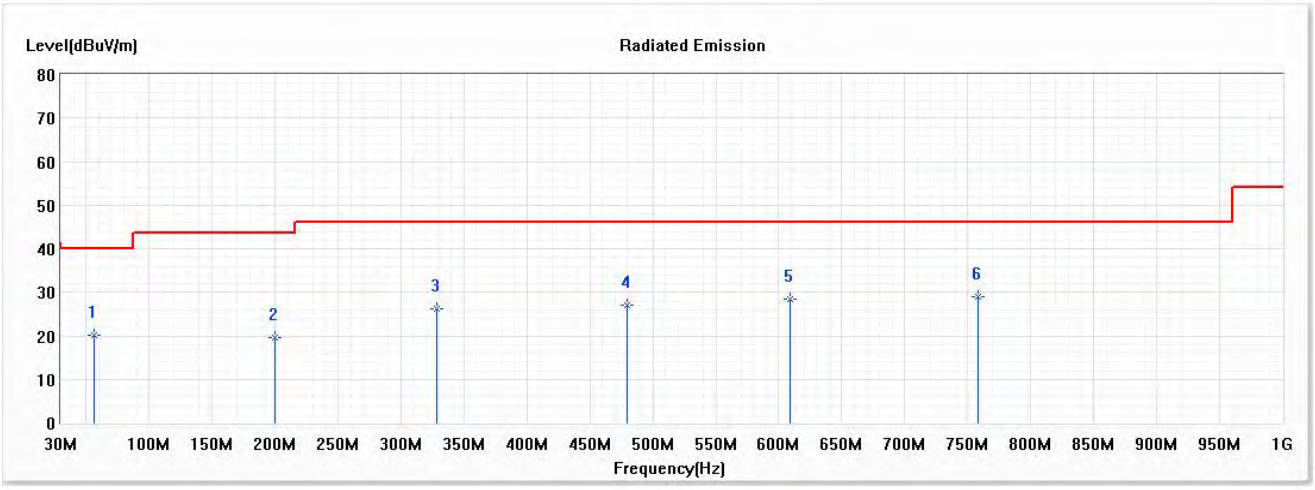
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	77.797	16.17	40.00	-23.83	31.09	-14.92	QP
* 2	183.232	23.08	43.50	-20.42	35.34	-12.26	QP
3	301.319	23.30	46.00	-22.70	33.01	-9.71	QP
4	526.246	23.07	46.00	-22.93	27.82	-4.75	QP
5	772.261	25.38	46.00	-20.62	26.01	-0.63	QP
6	974.696	27.74	54.00	-26.26	26.09	1.65	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 24 MIMO: Transmit (802.11ax-40BW_34.4Mbps) (5795MHz)

Vertical



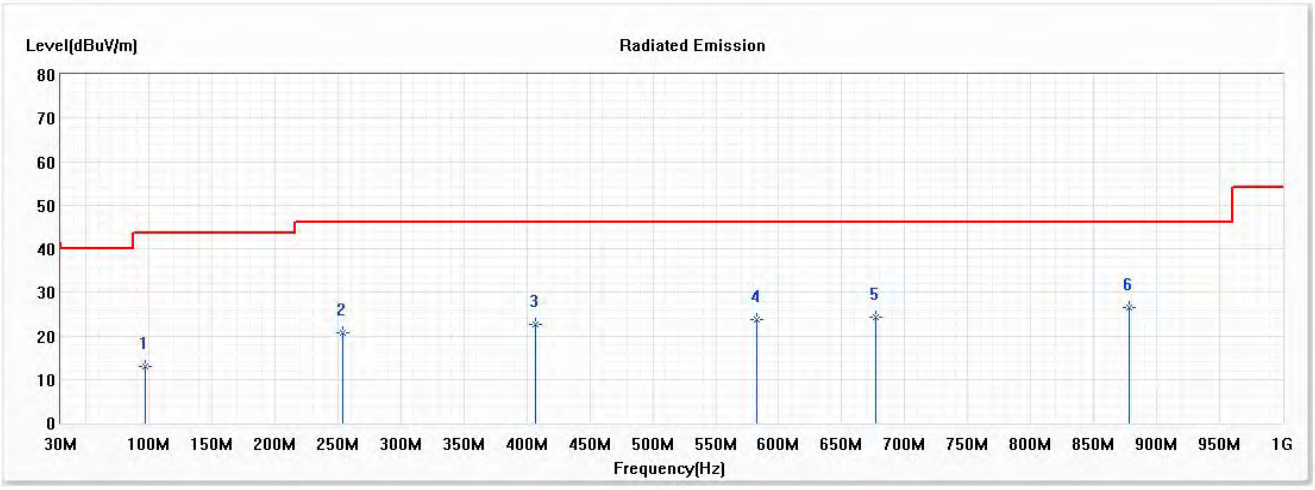
No	Frequency (MHz)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Reading Level (dBμV)	Correct Factor (dB)	Detector Type
1	56.710	20.18	40.00	-19.82	30.88	-10.70	QP
2	200.101	19.70	43.50	-23.80	33.06	-13.36	QP
3	328.029	26.27	46.00	-19.73	35.27	-9.00	QP
4	479.855	26.93	46.00	-19.07	32.67	-5.74	QP
5	609.188	28.47	46.00	-17.53	31.55	-3.08	QP
* 6	758.203	29.06	46.00	-16.94	29.92	-0.86	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 25 MIMO: Transmit (802.11ax-80BW_72.1Mbps) (5210MHz)

Horizontal



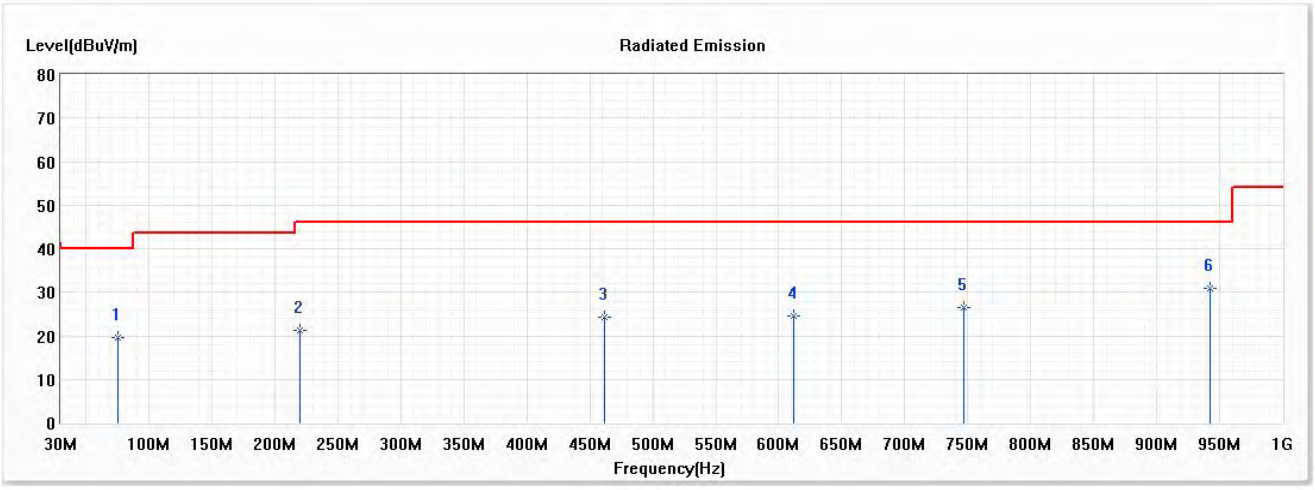
No	Frequency (MHz)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Reading Level (dBμV)	Correct Factor (dB)	Detector Type
1	97.478	12.89	43.50	-30.61	29.02	-16.13	QP
2	253.522	20.74	46.00	-25.26	32.06	-11.32	QP
3	406.754	22.49	46.00	-23.51	29.57	-7.08	QP
4	582.478	23.63	46.00	-22.37	27.31	-3.68	QP
5	676.667	24.15	46.00	-21.85	26.58	-2.43	QP
* 6	877.696	26.40	46.00	-19.60	26.00	0.40	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 25 MIMO: Transmit (802.11ax-80BW_72.1Mbps) (5210MHz)

Vertical



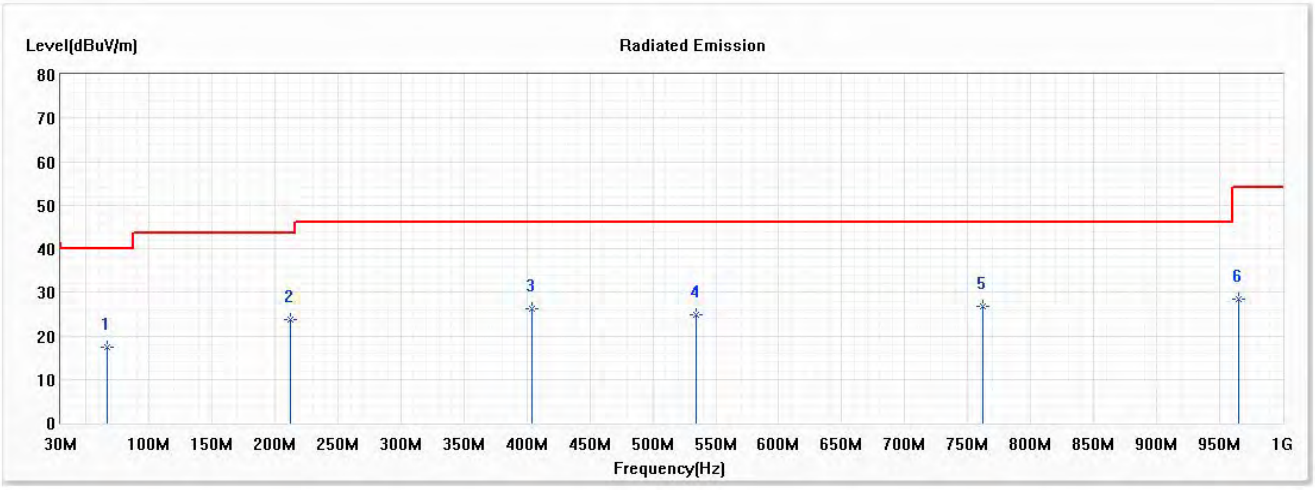
No	Frequency (MHz)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Reading Level (dBμV)	Correct Factor (dB)	Detector Type
1	74.986	19.50	40.00	-20.50	33.58	-14.08	QP
2	219.783	21.23	46.00	-24.77	34.02	-12.79	QP
3	461.580	24.34	46.00	-21.66	30.35	-6.01	QP
4	612.000	24.62	46.00	-21.38	27.69	-3.07	QP
5	746.957	26.51	46.00	-19.49	27.51	-1.00	QP
* 6	942.362	31.01	46.00	-14.99	29.56	1.45	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 25 MIMO: Transmit (802.11ax-80BW_72.1Mbps) (5290MHz)

Horizontal



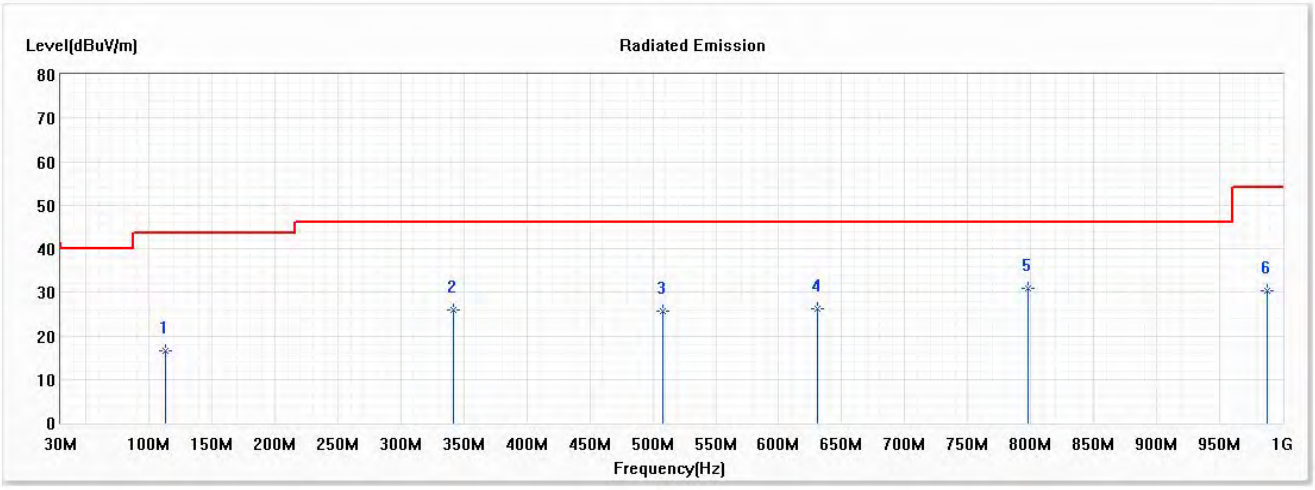
No	Frequency (MHz)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Reading Level (dBμV)	Correct Factor (dB)	Detector Type
1	66.551	17.40	40.00	-22.60	29.90	-12.50	QP
2	212.754	23.85	43.50	-19.65	36.90	-13.05	QP
3	403.942	26.29	46.00	-19.71	33.41	-7.12	QP
4	534.681	24.76	46.00	-21.24	29.32	-4.56	QP
* 5	762.420	26.85	46.00	-19.15	27.66	-0.81	QP
6	964.855	28.36	54.00	-25.64	26.64	1.72	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 25 MIMO: Transmit (802.11ax-80BW_72.1Mbps) (5290MHz)

Vertical



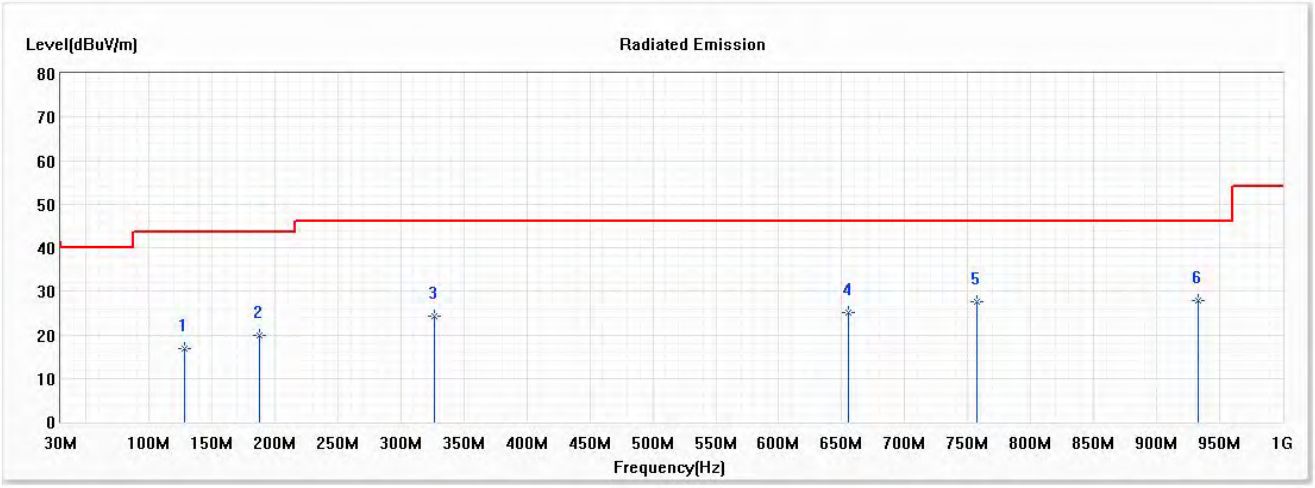
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	112.942	16.46	43.50	-27.04	30.00	-13.54	QP
2	342.087	26.00	46.00	-20.00	34.69	-8.69	QP
3	507.971	25.57	46.00	-20.43	30.81	-5.24	QP
4	630.275	26.13	46.00	-19.87	29.07	-2.94	QP
* 5	797.565	31.00	46.00	-15.00	31.38	-0.38	QP
6	987.348	30.39	54.00	-23.61	28.69	1.70	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 25 MIMO: Transmit (802.11ax-80BW_72.1Mbps) (5530MHz)

Horizontal



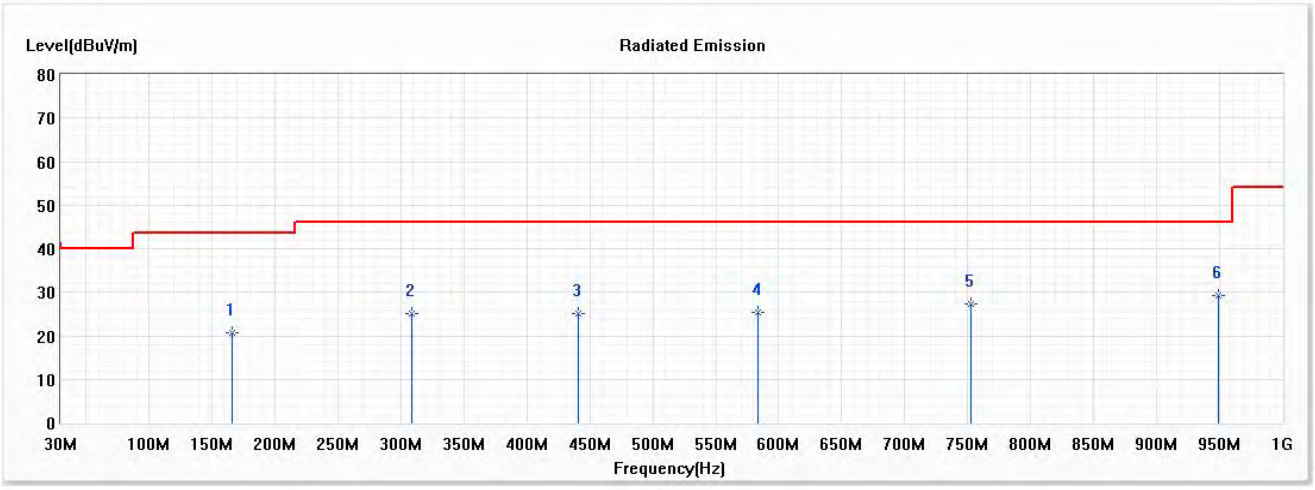
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	128.406	16.83	43.50	-26.67	28.94	-12.11	QP
2	187.449	19.96	43.50	-23.54	32.72	-12.76	QP
3	326.623	24.40	46.00	-21.60	33.43	-9.03	QP
4	655.580	25.15	46.00	-20.85	27.76	-2.61	QP
5	756.797	27.48	46.00	-18.52	28.34	-0.86	QP
* 6	932.522	27.74	46.00	-18.26	26.41	1.33	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 25 MIMO: Transmit (802.11ax-80BW_72.1Mbps) (5530MHz)

Vertical



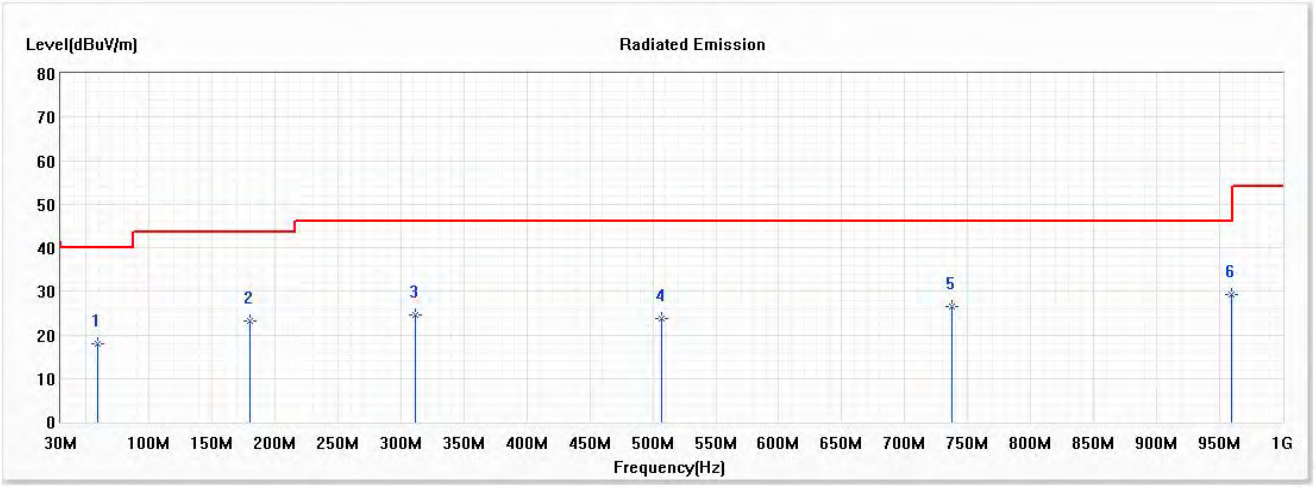
No	Frequency (MHz)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Reading Level (dBμV)	Correct Factor (dB)	Detector Type
1	166.362	20.80	43.50	-22.70	31.13	-10.33	QP
2	308.348	25.03	46.00	-20.97	34.58	-9.55	QP
3	440.493	25.10	46.00	-20.90	31.45	-6.35	QP
4	583.884	25.26	46.00	-20.74	28.91	-3.65	QP
5	752.580	27.27	46.00	-18.73	28.14	-0.87	QP
* 6	949.391	29.25	46.00	-16.75	27.64	1.61	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 25 MIMO: Transmit (802.11ax-80BW_72.1Mbps) (5775MHz)

Horizontal



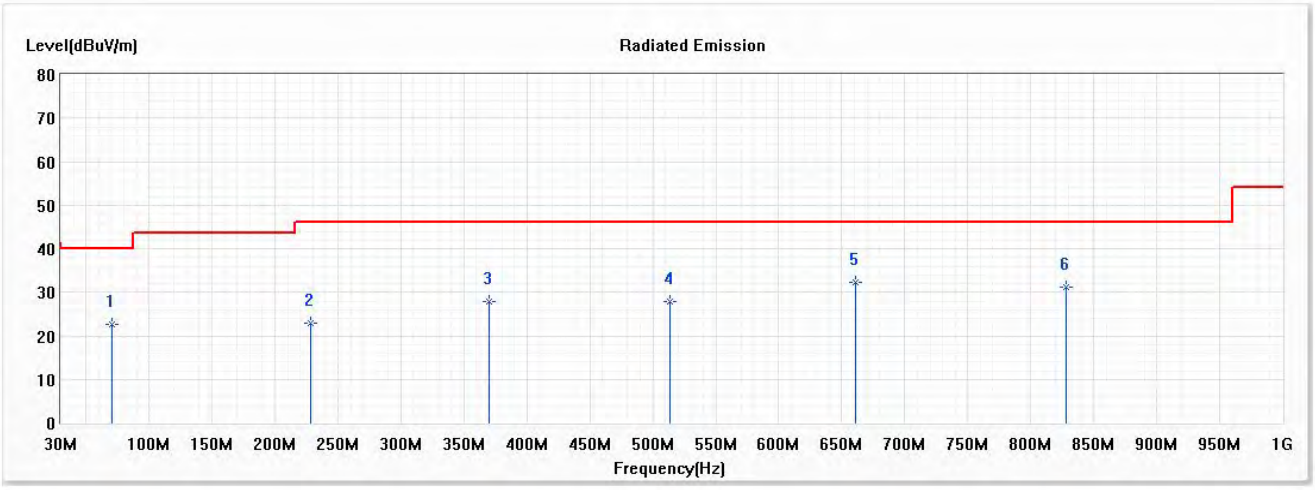
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	59.522	17.88	40.00	-22.12	28.93	-11.05	QP
2	180.420	23.31	43.50	-20.19	35.14	-11.83	QP
3	311.159	24.48	46.00	-21.52	33.97	-9.49	QP
4	506.565	23.79	46.00	-22.21	29.07	-5.28	QP
5	737.116	26.57	46.00	-19.43	27.78	-1.21	QP
* 6	959.232	29.26	46.00	-16.74	27.64	1.62	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 25 MIMO: Transmit (802.11ax-80BW_72.1Mbps) (5775MHz)

Vertical



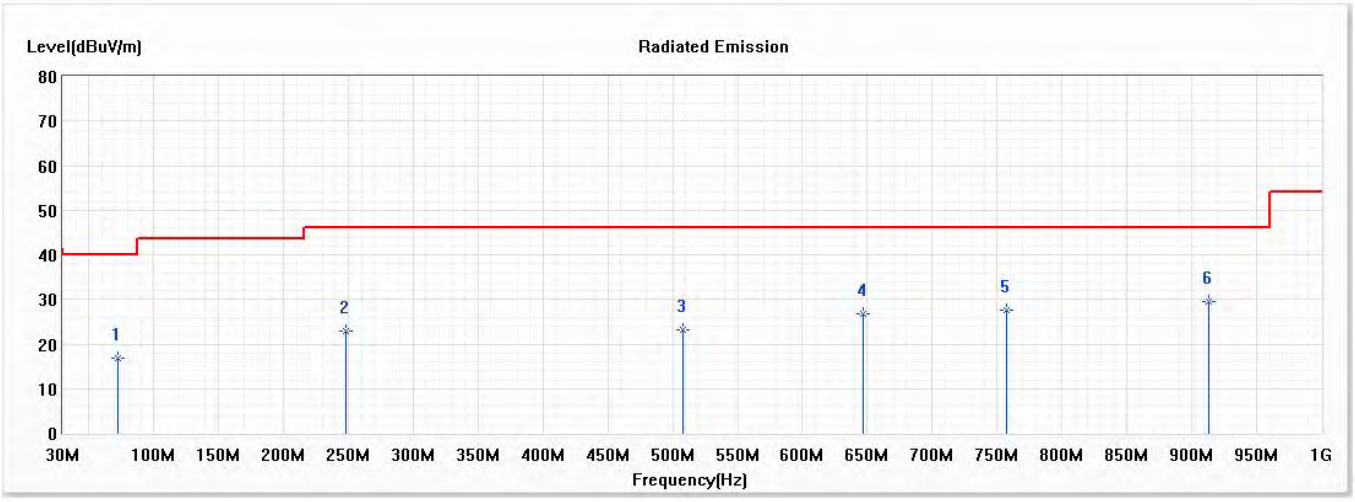
No	Frequency (MHz)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Reading Level (dBμV)	Correct Factor (dB)	Detector Type
1	70.768	22.59	40.00	-17.41	35.85	-13.26	QP
2	228.217	22.77	46.00	-23.23	34.81	-12.04	QP
3	370.203	28.00	46.00	-18.00	35.96	-7.96	QP
4	513.594	27.96	46.00	-18.04	33.00	-5.04	QP
* 5	661.203	32.14	46.00	-13.86	34.67	-2.53	QP
6	828.493	31.31	46.00	-14.69	31.52	-0.21	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/18
Test Mode : Mode 26 MIMO: Transmit (802.11ax-160BW_144.1Mbps) (5250MHz)

Horizontal



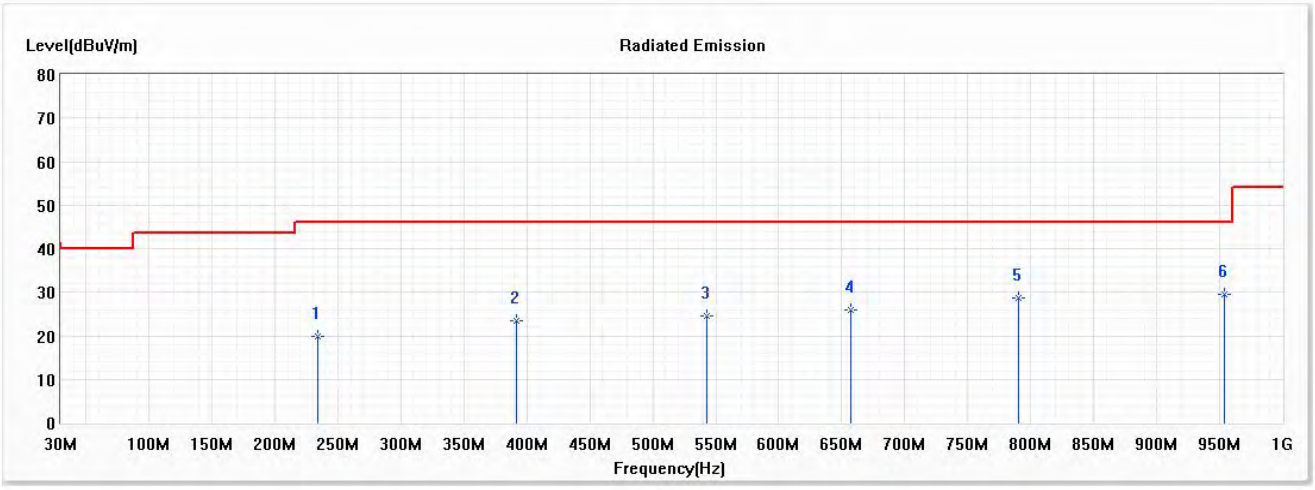
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	72.174	16.95	40.00	-23.05	30.39	-13.44	QP
2	247.899	23.03	46.00	-22.97	34.47	-11.44	QP
3	507.971	23.05	46.00	-22.95	28.29	-5.24	QP
4	647.145	26.79	46.00	-19.21	29.44	-2.65	QP
5	756.797	27.48	46.00	-18.52	28.34	-0.86	QP
* 6	912.841	29.47	46.00	-16.53	28.43	1.04	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 26 MIMO: Transmit (802.11ax-160BW_144.1Mbps) (5250MHz)

Vertical



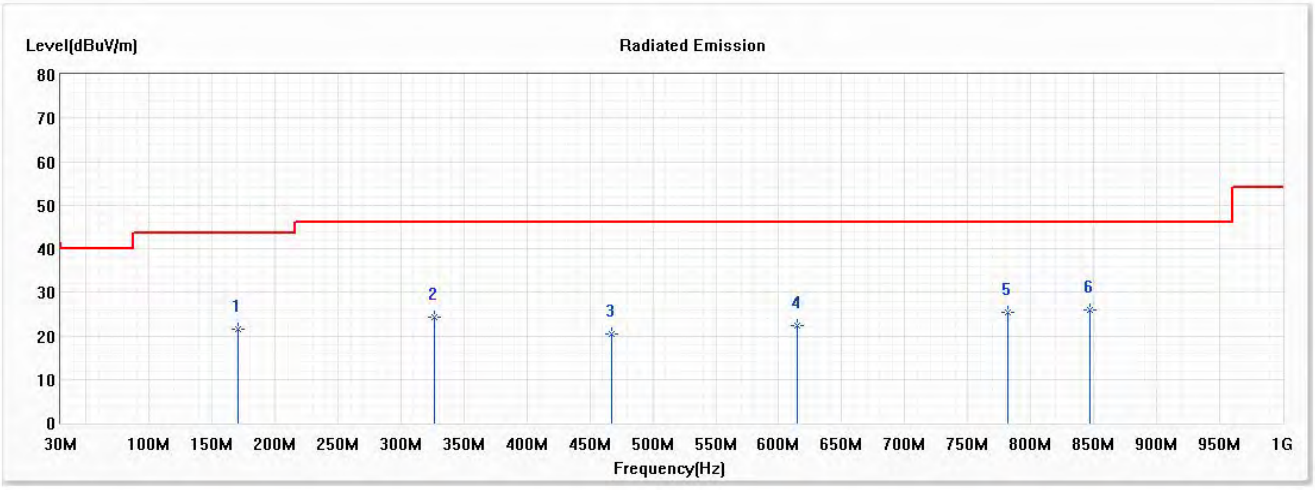
No	Frequency (MHz)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Reading Level (dBμV)	Correct Factor (dB)	Detector Type
1	233.841	19.85	46.00	-26.15	31.54	-11.69	QP
2	391.290	23.49	46.00	-22.51	30.89	-7.40	QP
3	543.116	24.58	46.00	-21.42	29.03	-4.45	QP
4	656.986	26.03	46.00	-19.97	28.61	-2.58	QP
5	790.536	28.72	46.00	-17.28	29.21	-0.49	QP
* 6	953.609	29.52	46.00	-16.48	27.91	1.61	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 26 MIMO: Transmit (802.11ax-160BW_144.1Mbps) (5570MHz)

Horizontal



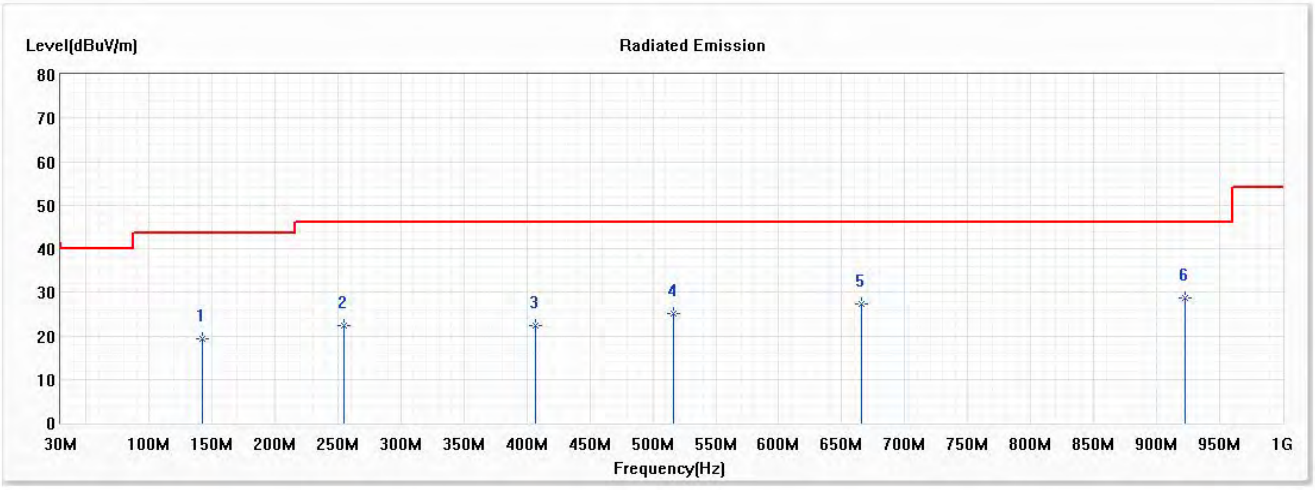
No	Frequency (MHz)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Reading Level (dBμV)	Correct Factor (dB)	Detector Type
1	170.580	21.65	43.50	-21.85	32.01	-10.36	QP
2	326.623	24.40	46.00	-21.60	33.43	-9.03	QP
3	467.203	20.33	46.00	-25.67	26.27	-5.94	QP
4	614.812	22.46	46.00	-23.54	25.54	-3.08	QP
5	782.101	25.37	46.00	-20.63	25.85	-0.48	QP
* 6	846.768	26.02	46.00	-19.98	25.84	0.18	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

Product : Portable Computer
Test Item : General Radiated Emission
Test Date : 2021/01/21
Test Mode : Mode 26 MIMO: Transmit (802.11ax-160BW_144.1Mbps) (5570MHz)

Vertical



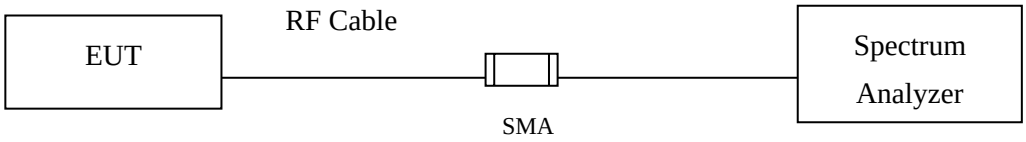
No	Frequency (MHz)	Emission Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Reading Level (dBµV)	Correct Factor (dB)	Detector Type
1	142.464	19.43	43.50	-24.07	30.10	-10.67	QP
2	254.928	22.35	46.00	-23.65	33.64	-11.29	QP
3	406.754	22.30	46.00	-23.70	29.38	-7.08	QP
4	516.406	25.05	46.00	-20.95	29.99	-4.94	QP
5	665.420	27.29	46.00	-18.71	29.89	-2.60	QP
* 6	922.681	28.69	46.00	-17.31	27.51	1.18	QP

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Measurement Level = Reading Level + Correct Factor.
3. Correct Factor = Antenna factor + Cable loss –Amplifier gain.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. No emission found between lowest internal used/generated frequency to 30MHz.

5. Duty Cycle

5.1. Test Setup



5.2. Test Procedure

The EUT was setup according to ANSI C63.10 2013; tested according to U-NII test procedure of KDB789033 for compliance to FCC 47CFR 15.407 requirements.

5.3. Test Result of Duty Cycle

Product : Portable Computer
Test Item : Duty Cycle
Test Mode : Mode 39: Transmit-SISO A

Duty Cycle Formula:

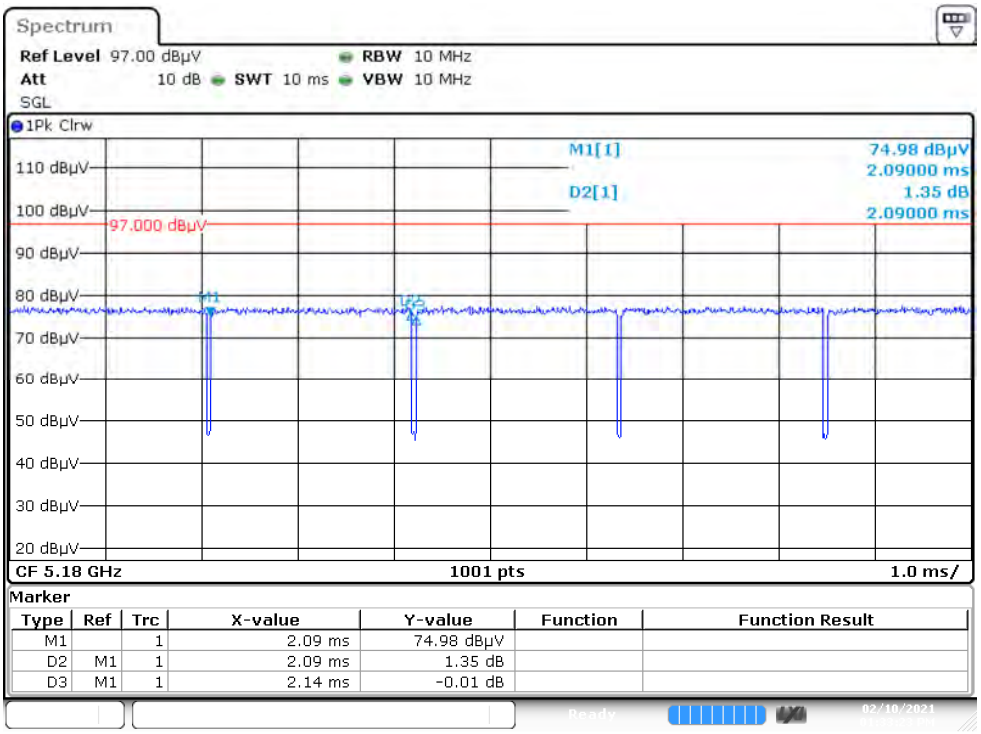
Duty Cycle = Ton / (Ton + Toff)

Duty Factor = 10 Log (1/Duty Cycle)

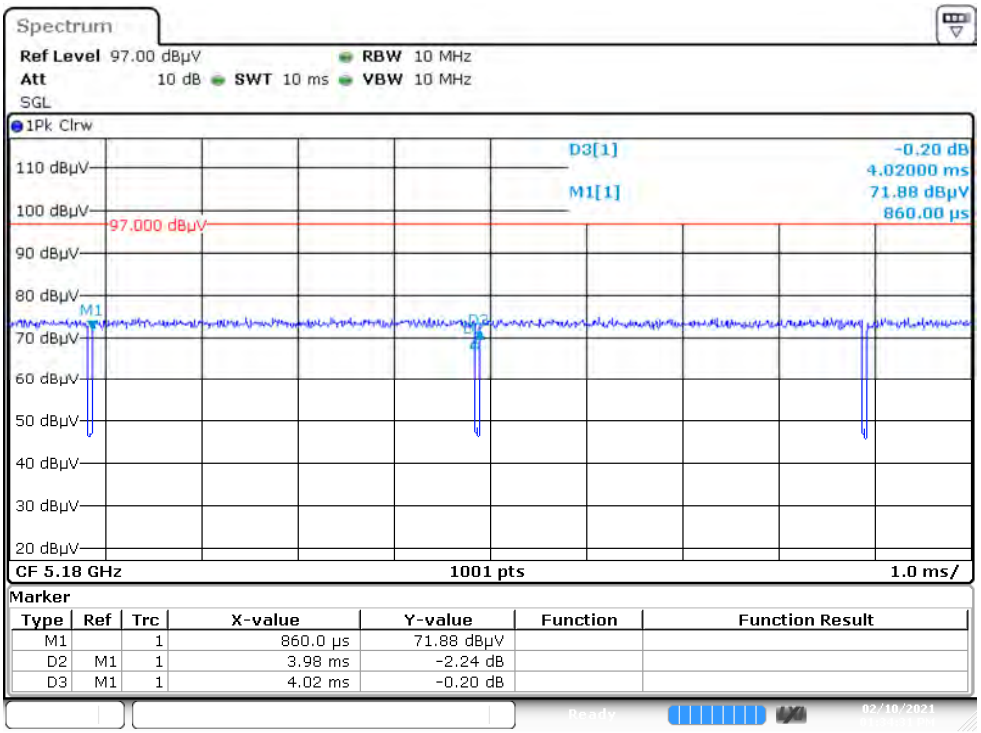
Results:

5GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11 a	2.0900	2.1400	97.66	0.10
802.11 n20	3.9800	4.0200	99.00	0.04
802.11 n40	3.9700	4.0200	98.76	0.05
802.11 ac80	3.9700	4.0200	98.76	0.05
802.11 ac160	3.9700	4.0200	98.76	0.05
802.11 ax20	3.9600	4.0000	99.00	0.04
802.11 ax40	3.9600	4.0000	99.00	0.04
802.11 ax80	3.9600	4.0100	98.75	0.05
802.11 ax160	3.9800	4.0200	99.00	0.04
802.11 ax20-26/0-RU	2.5900	2.6300	98.48	0.07
802.11 ax20-52/37-RU	2.5900	2.6300	98.48	0.07
802.11 ax20-106/53-RU	2.5900	2.6400	98.11	0.08
802.11 ax40-242/61-RU	2.5900	2.6400	98.11	0.08
802.11 ax80-484/65-RU	2.6000	2.6500	98.11	0.08
802.11 ax160-996/67-RU	2.5900	2.6400	98.11	0.08

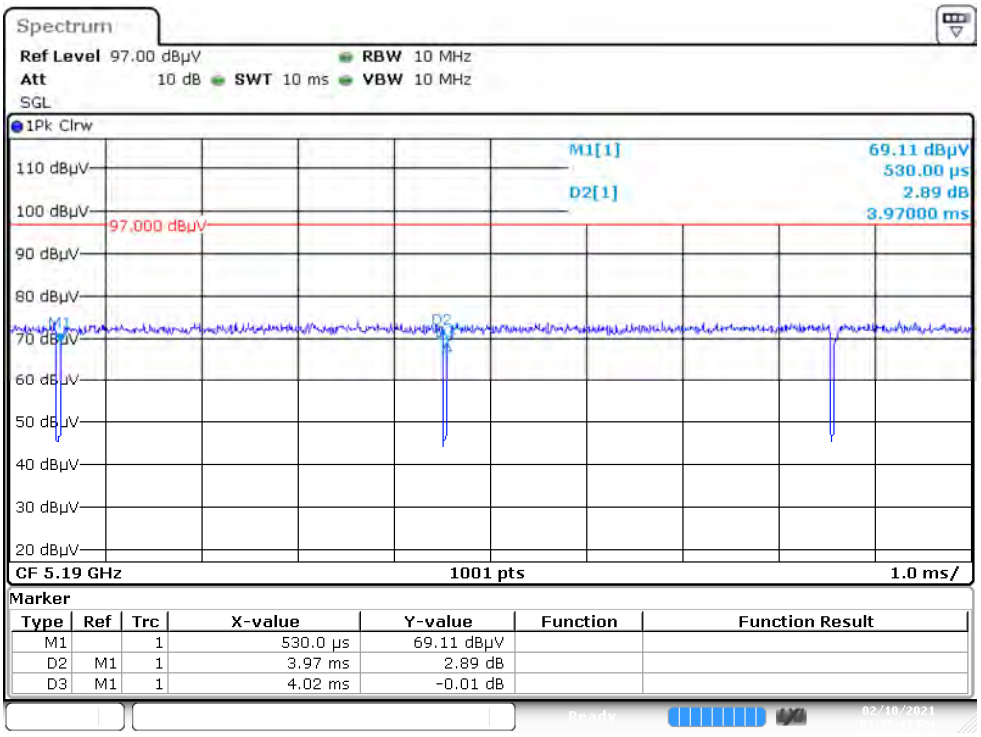
802.11a (SISO A)



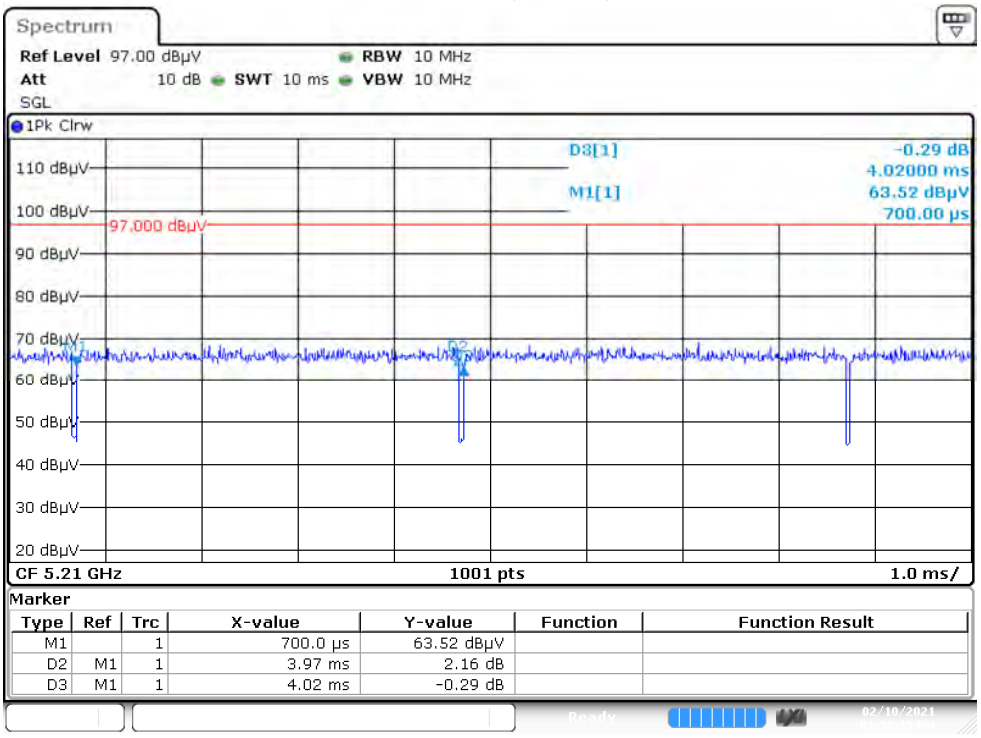
802.11n20 (SISO A)



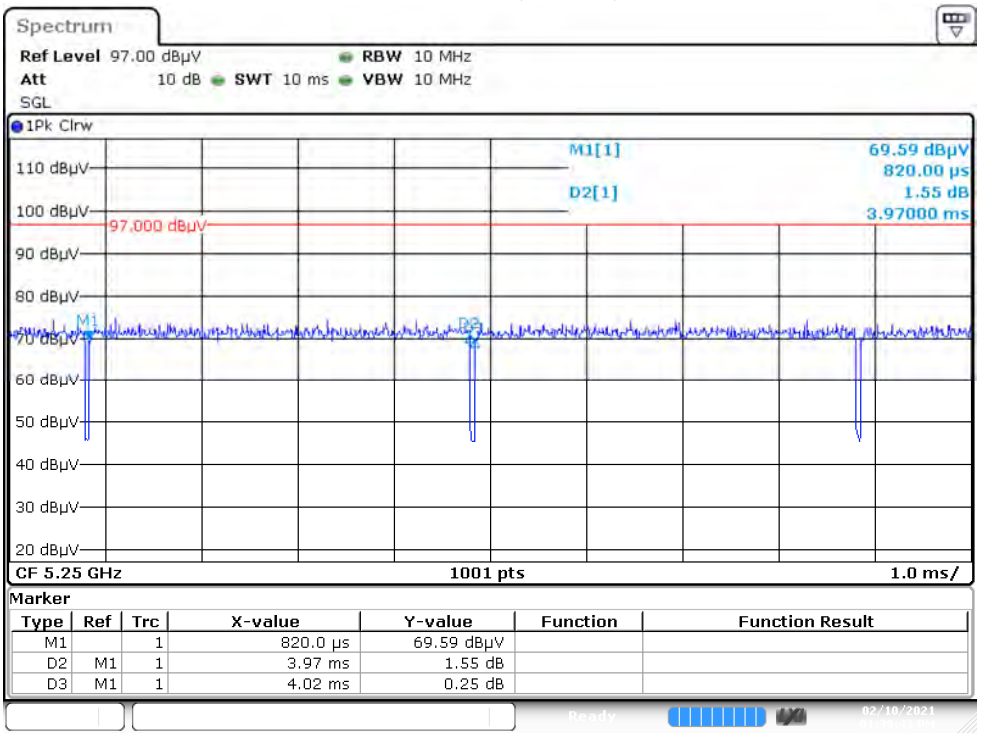
802.11n40 (SISO A)



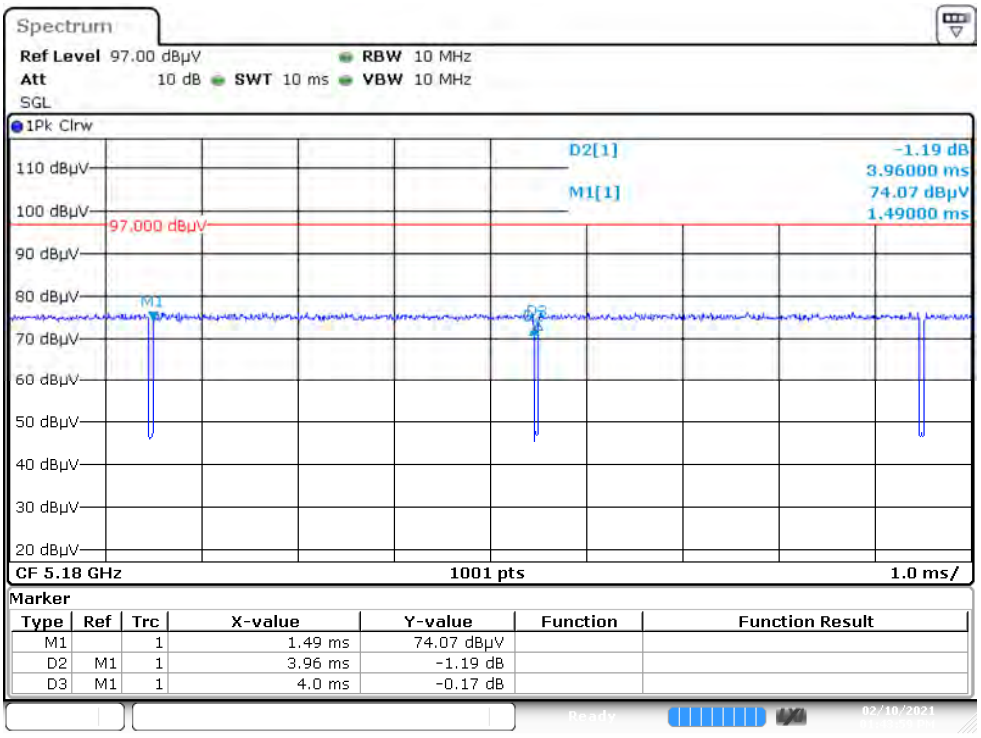
802.11ac80 (SISO A)



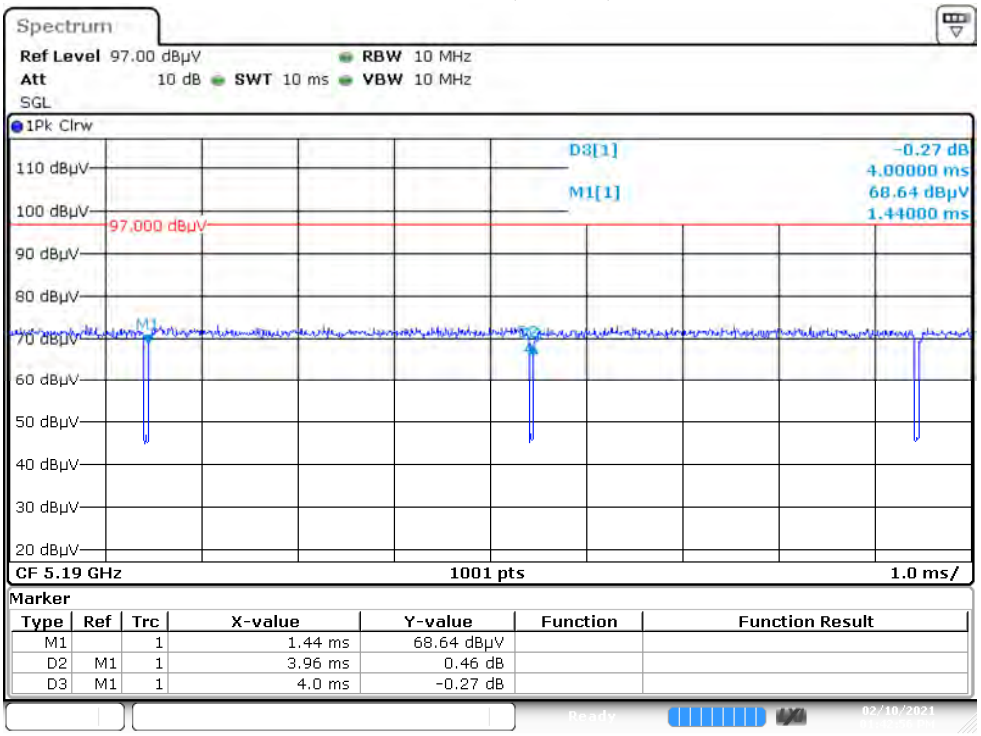
802.11ac160 (SISO A)



802.11ax20 (SISO A)



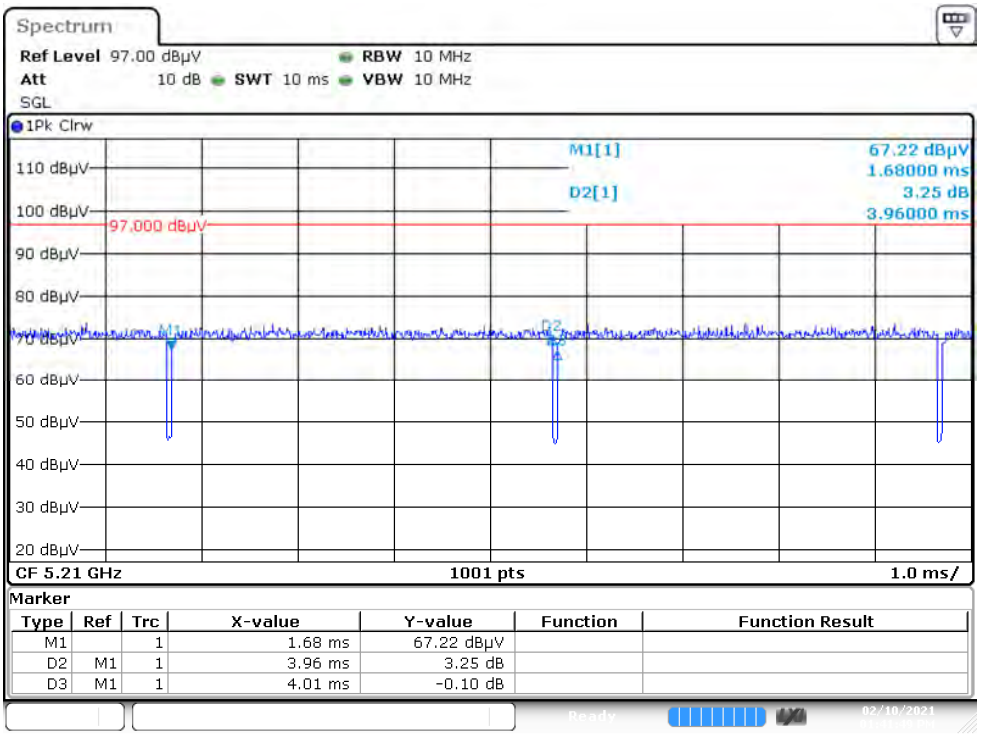
802.11ax40 (SISO A)



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.44 ms	68.64 dBµV		
D2	M1	1	3.96 ms	0.46 dB		
D3	M1	1	4.0 ms	-0.27 dB		

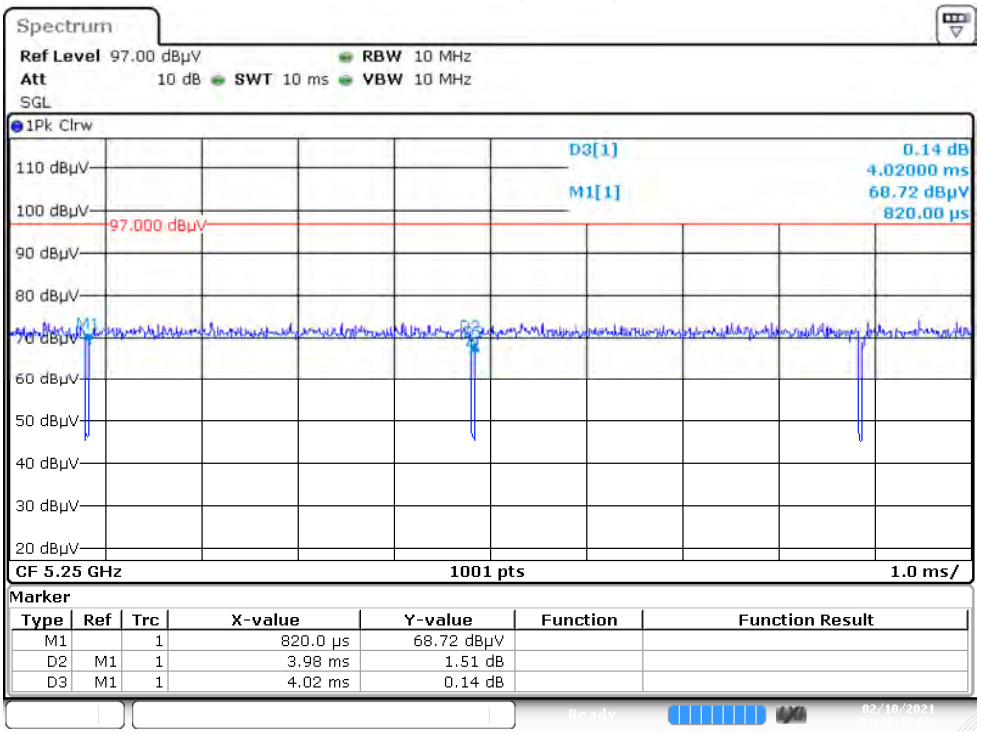
802.11ax80 (SISO A)



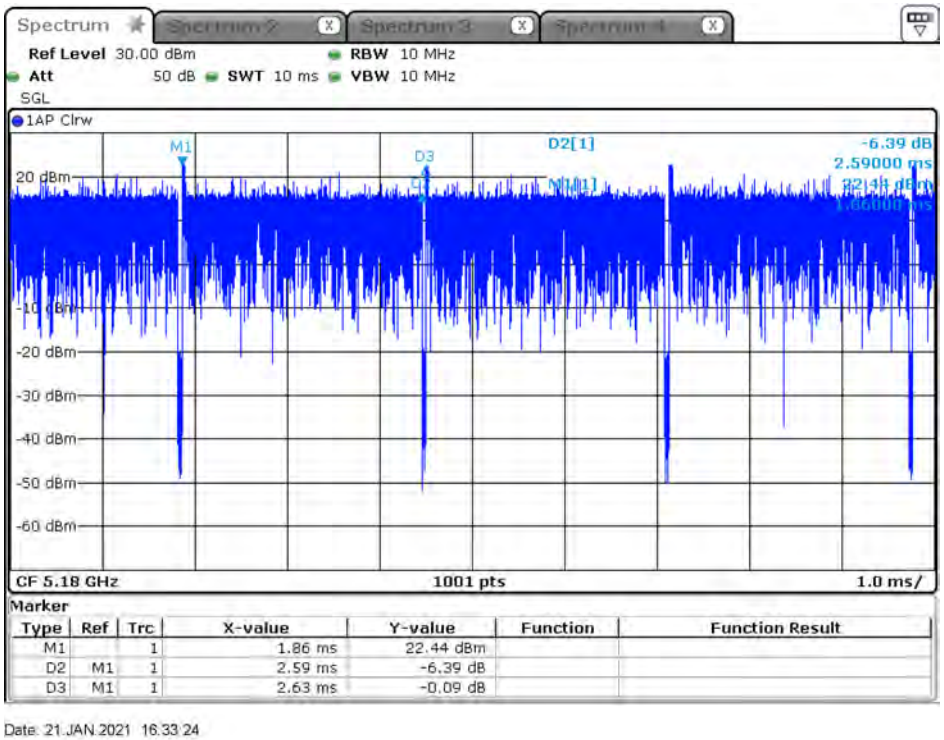
Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.68 ms	67.22 dBµV		
D2	M1	1	3.96 ms	3.25 dB		
D3	M1	1	4.01 ms	-0.10 dB		

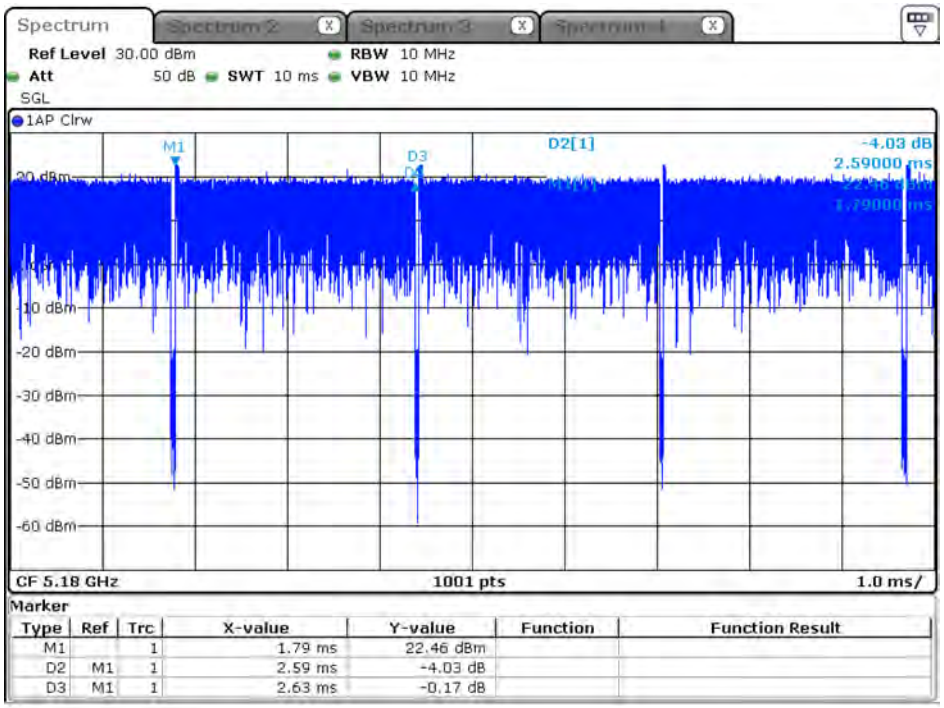
802.11ax160 (SISO A)



802.11ax20 (Partial RU_26/0) (SISO A)



802.11ax20 (Partial RU_52/37) (SISO A)

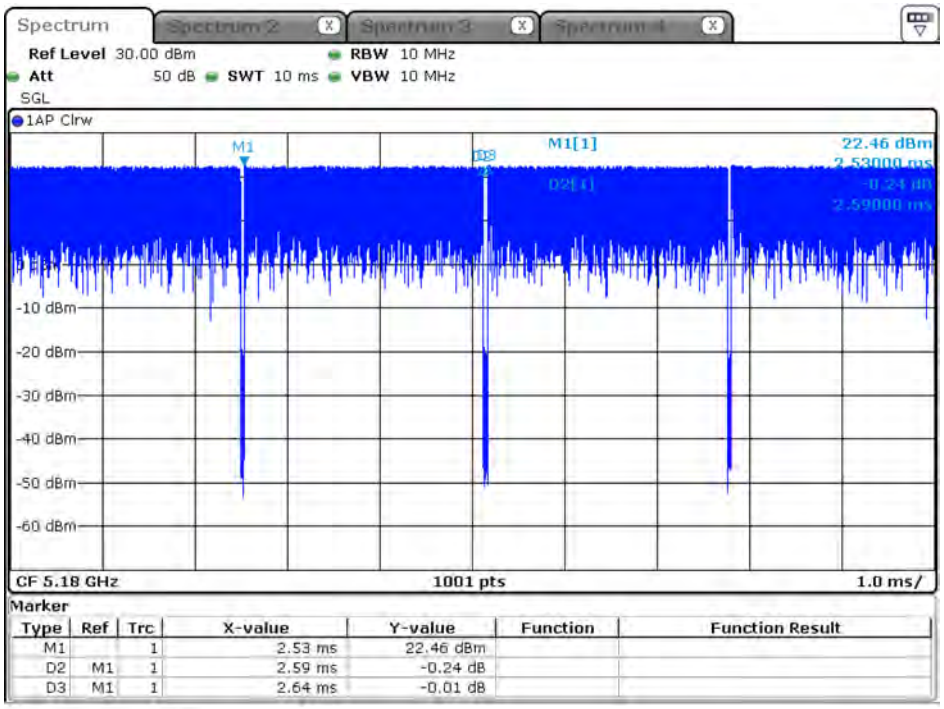


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.79 ms	22.46 dBm		
D2	M1	1	2.59 ms	-4.03 dB		
D3	M1	1	2.63 ms	-0.17 dB		

Date: 21.JAN.2021 16:36:40

802.11ax20 (Partial RU_106/53) (SISO A)

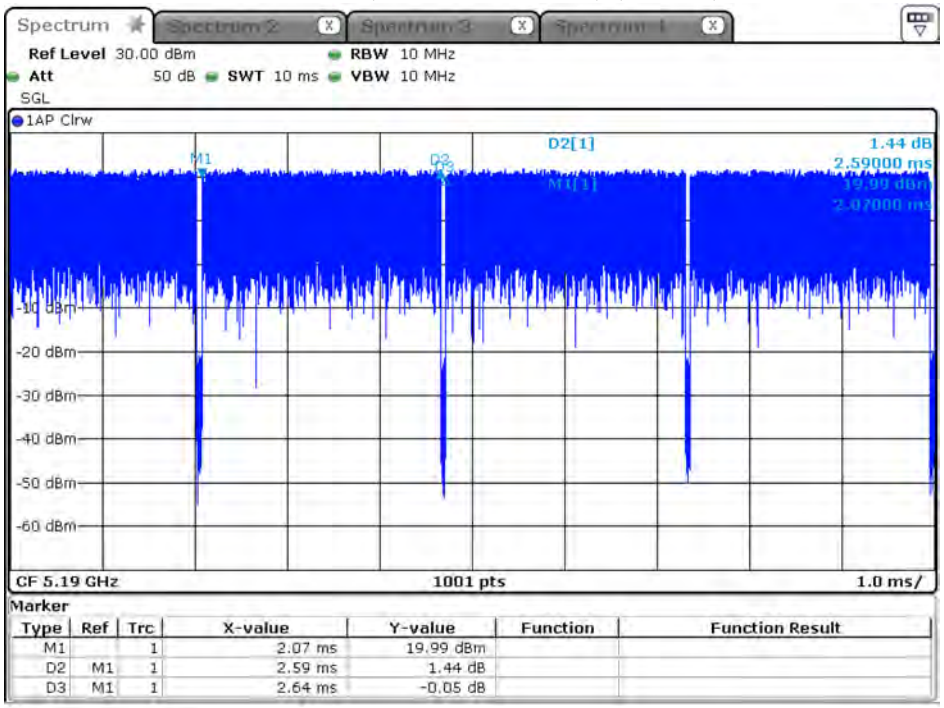


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.53 ms	22.46 dBm		
D2	M1	1	2.59 ms	-0.24 dB		
D3	M1	1	2.64 ms	-0.01 dB		

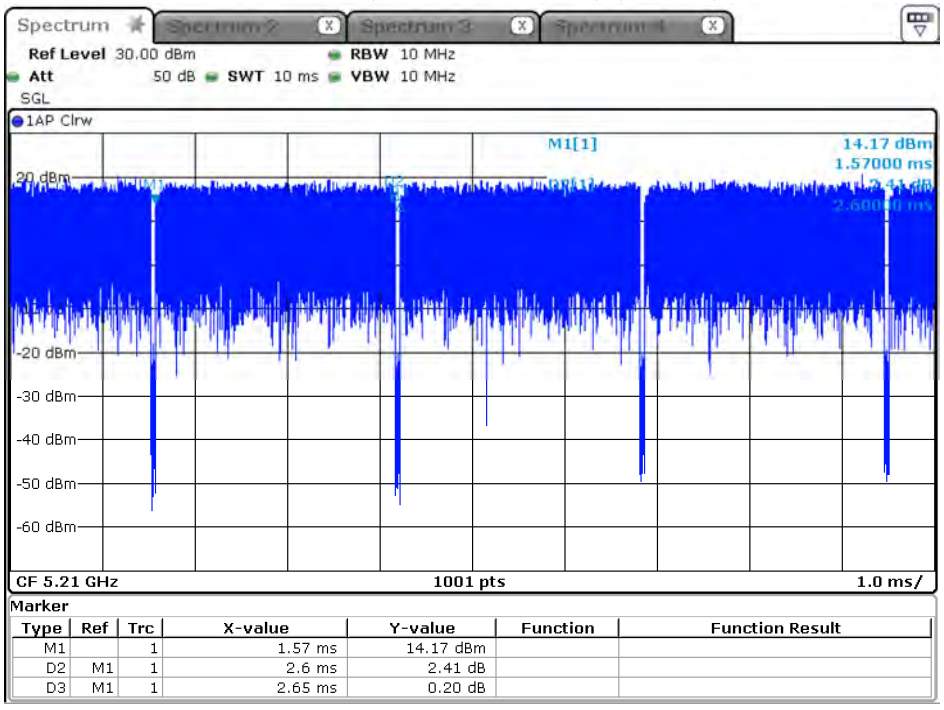
Date: 21.JAN.2021 16:39:25

802.11ax40 (Partial RU_242/61) (SISO A)



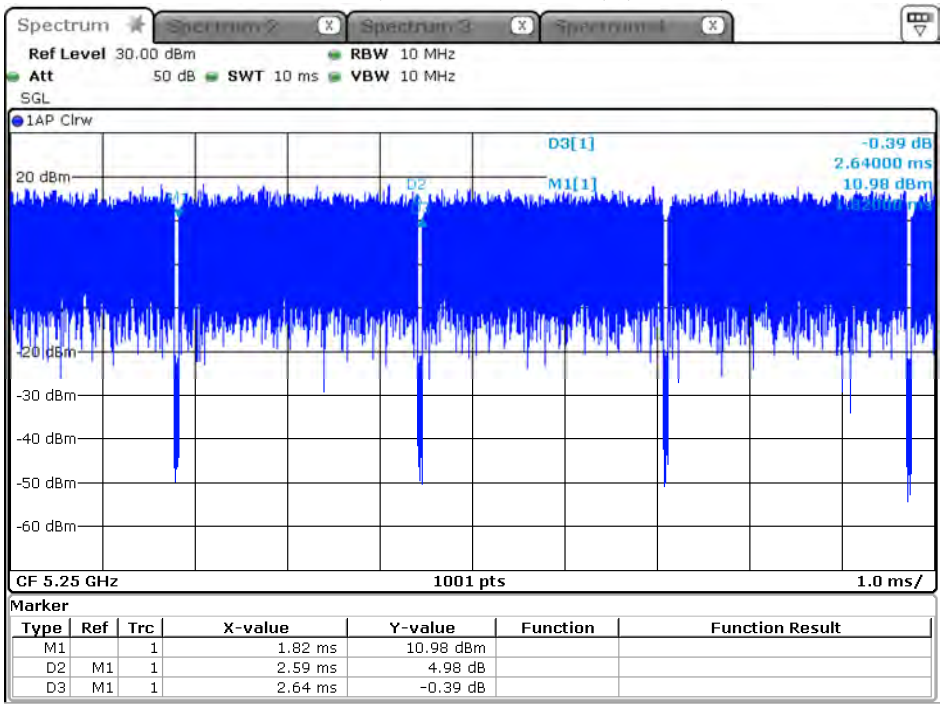
Date: 21.JAN.2021 16:44:16

802.11ax80 (Partial RU_484/65) (SISO A)



Date: 21.JAN.2021 16:49:39

802.11ax160 (Partial RU_996/67) (SISO A)



Date: 21.JAN.2021 16:52:57

Product : Portable Computer
Test Item : Duty Cycle
Test Mode : Mode 40: Transmit-SISO B

Duty Cycle Formula:

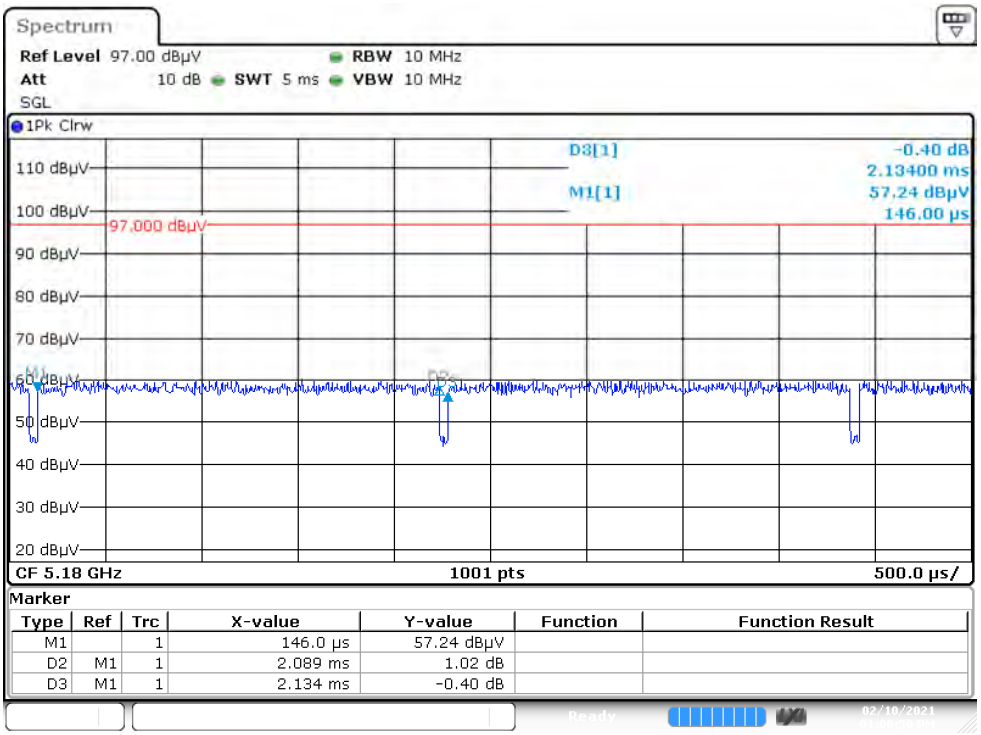
Duty Cycle = Ton / (Ton + Toff)

Duty Factor = 10 Log (1/Duty Cycle)

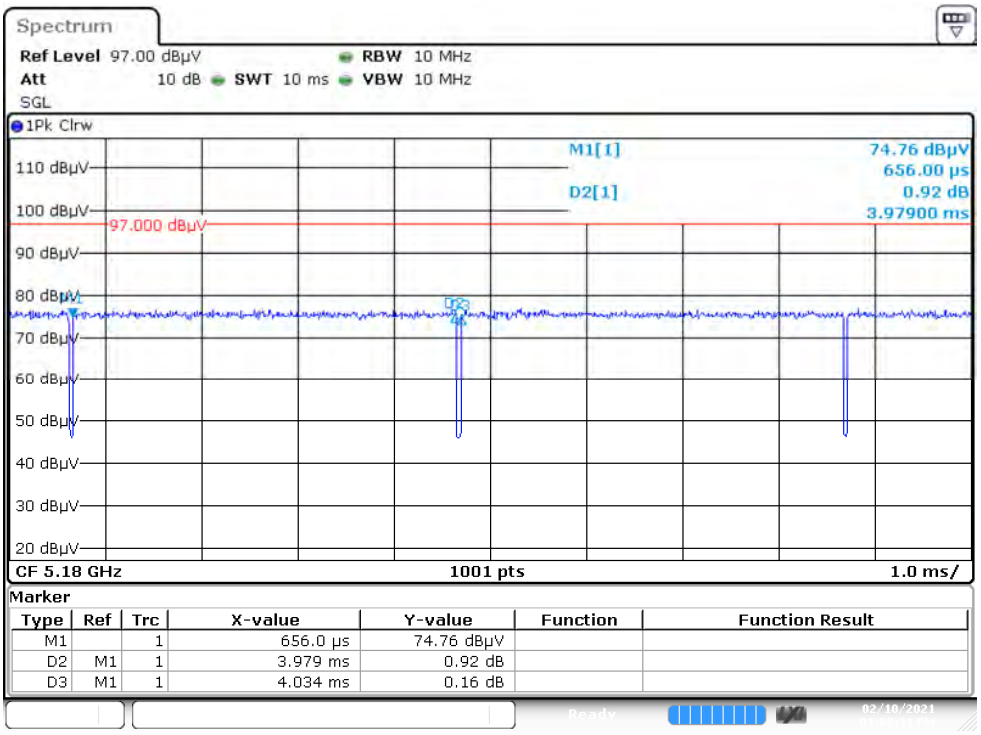
Results:

5GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11 a	2.0890	2.1340	97.89	0.09
802.11 n20	3.9790	4.0340	98.64	0.06
802.11 n40	3.9690	4.0240	98.63	0.06
802.11 ac80	3.9700	4.0200	98.76	0.05
802.11 ac160	3.9600	4.0100	98.75	0.05
802.11 ax20	3.9700	4.0200	98.76	0.05
802.11 ax40	3.9700	4.0200	98.76	0.05
802.11 ax80	3.9700	4.0100	99.00	0.04
802.11 ax160	3.9800	4.0300	98.76	0.05
802.11 ax20-26/0-RU	2.6000	2.6400	98.48	0.07
802.11 ax20-52/37-RU	2.5900	2.6300	98.48	0.07
802.11 ax20-106/53-RU	2.5900	2.6300	98.48	0.07
802.11 ax40-242/61-RU	2.5900	2.6400	98.11	0.08
802.11 ax80-484/65-RU	2.5900	2.6400	98.11	0.08
802.11 ax160-996/67-RU	2.5900	2.6400	98.11	0.08

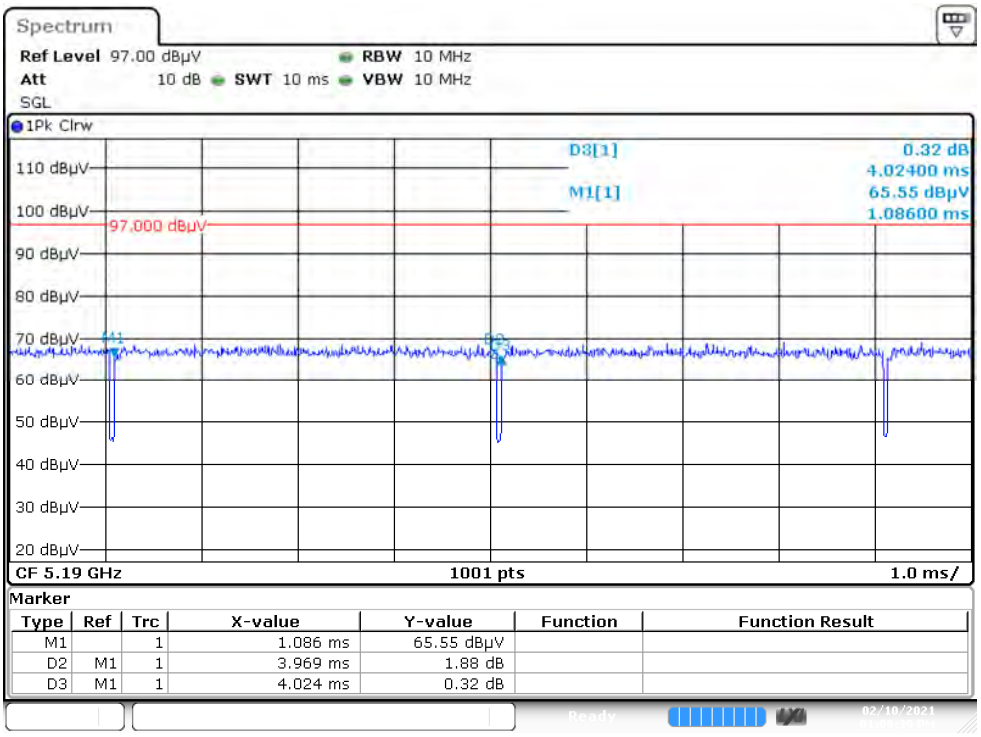
802.11a (SISO B)



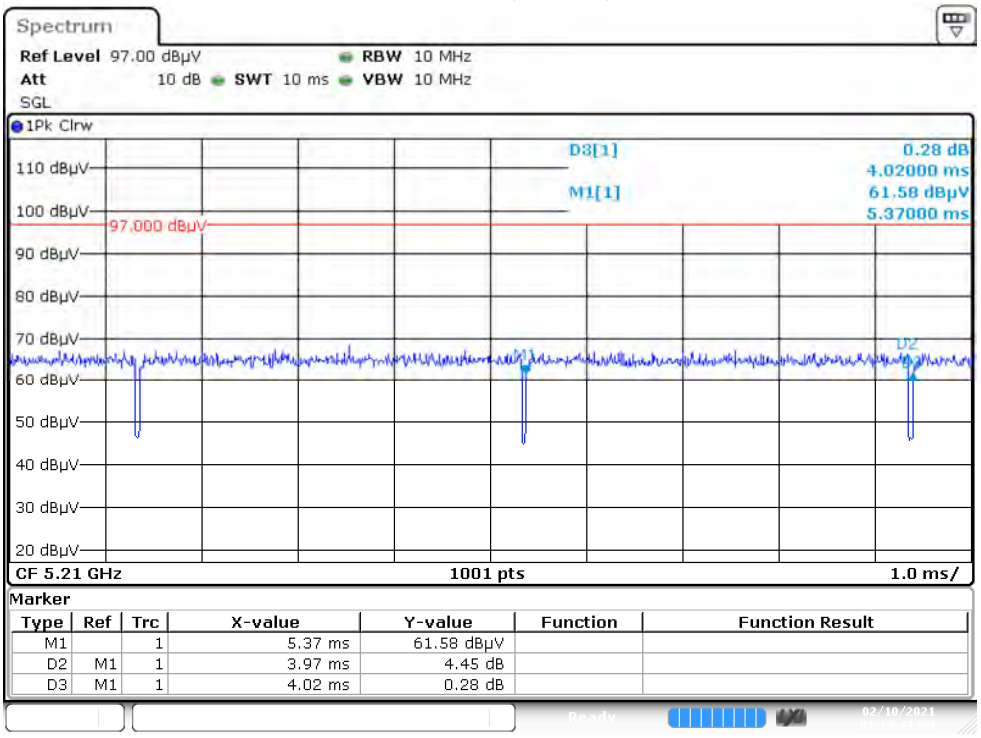
802.11n20 (SISO B)



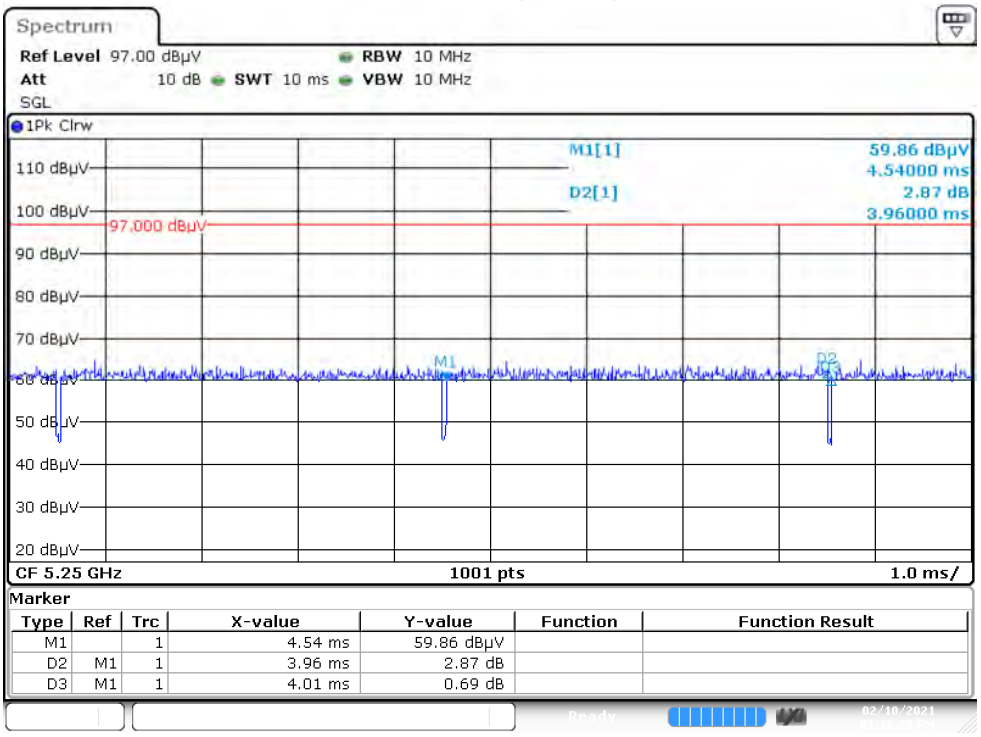
802.11n40 (SISO B)



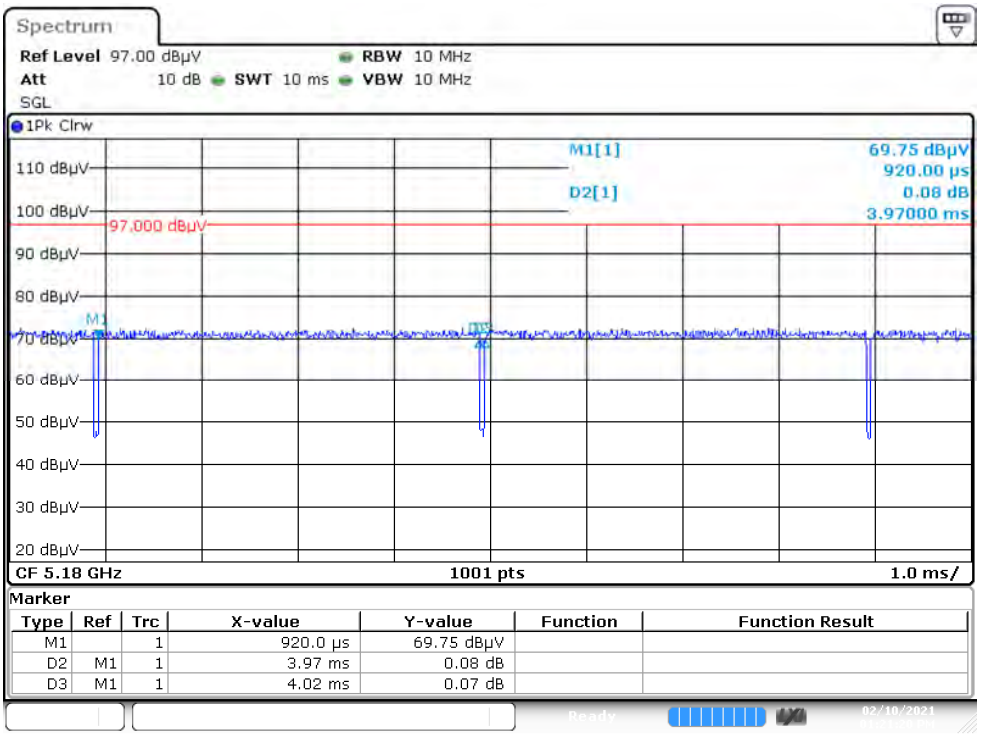
802.11ac80 (SISO B)



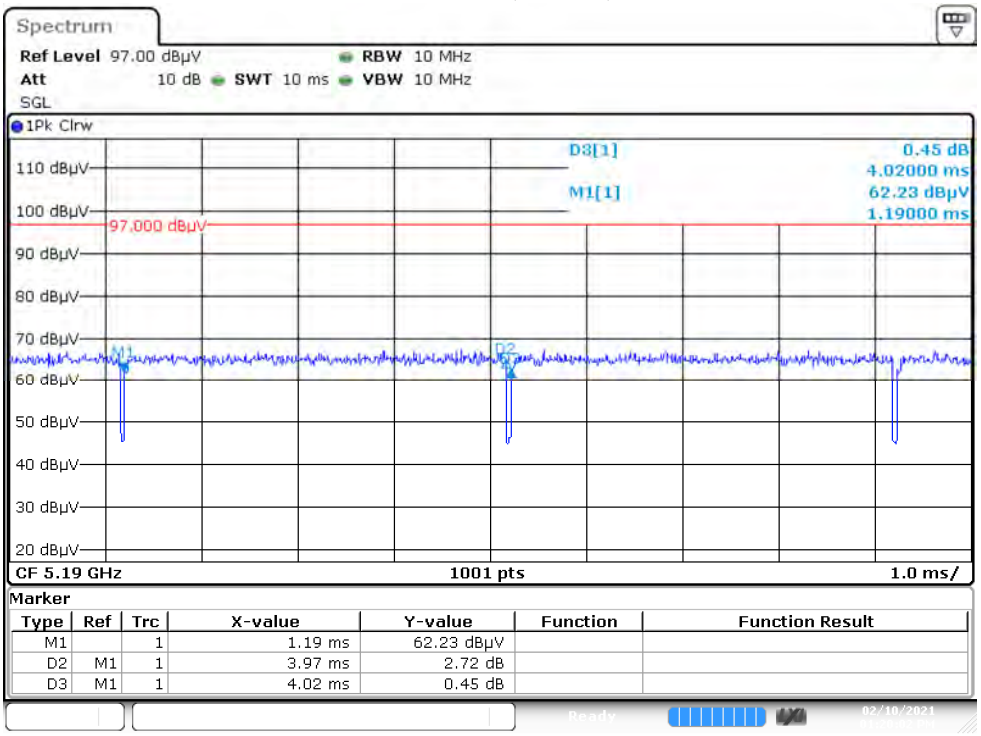
802.11ac160 (SISO B)



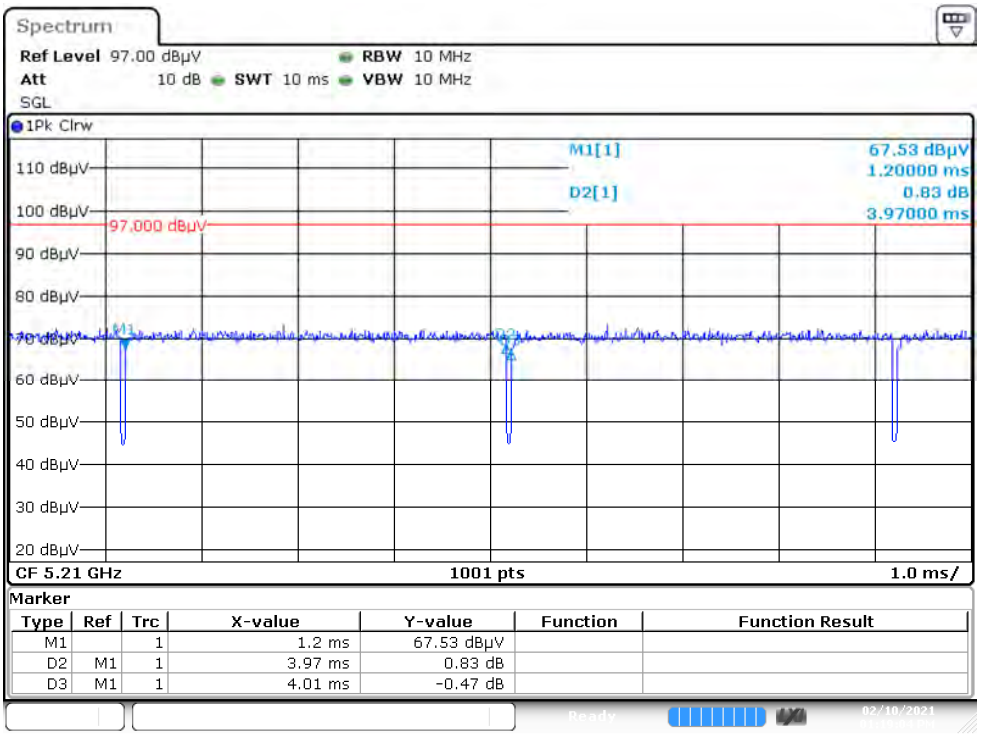
802.11ax20 (SISO B)



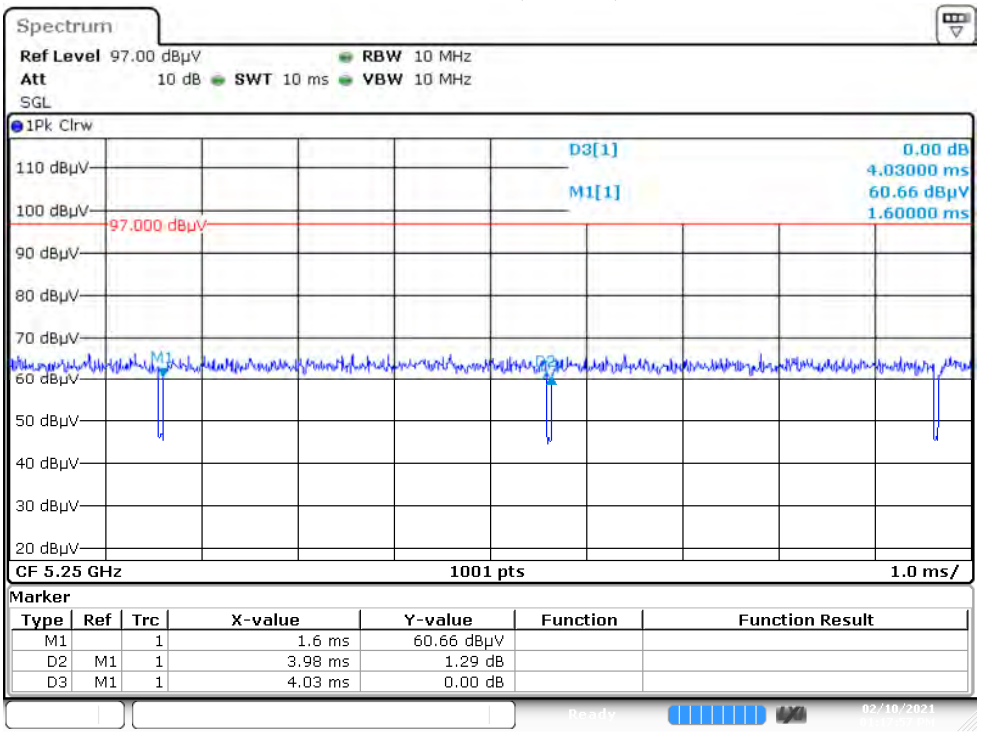
802.11ax40 (SISO B)



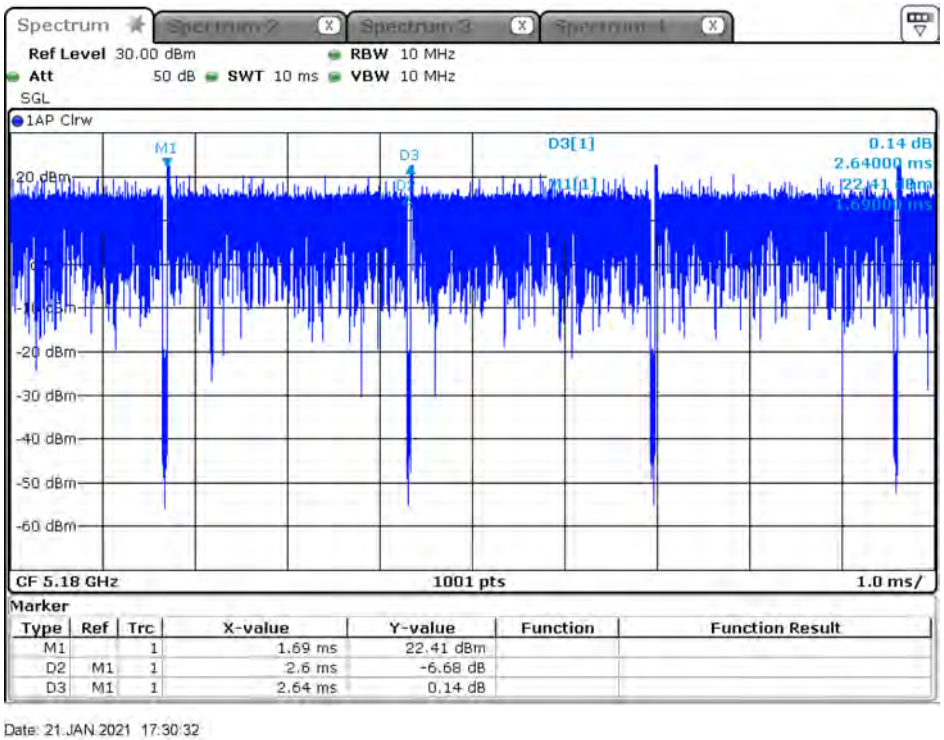
802.11ax80 (SISO B)



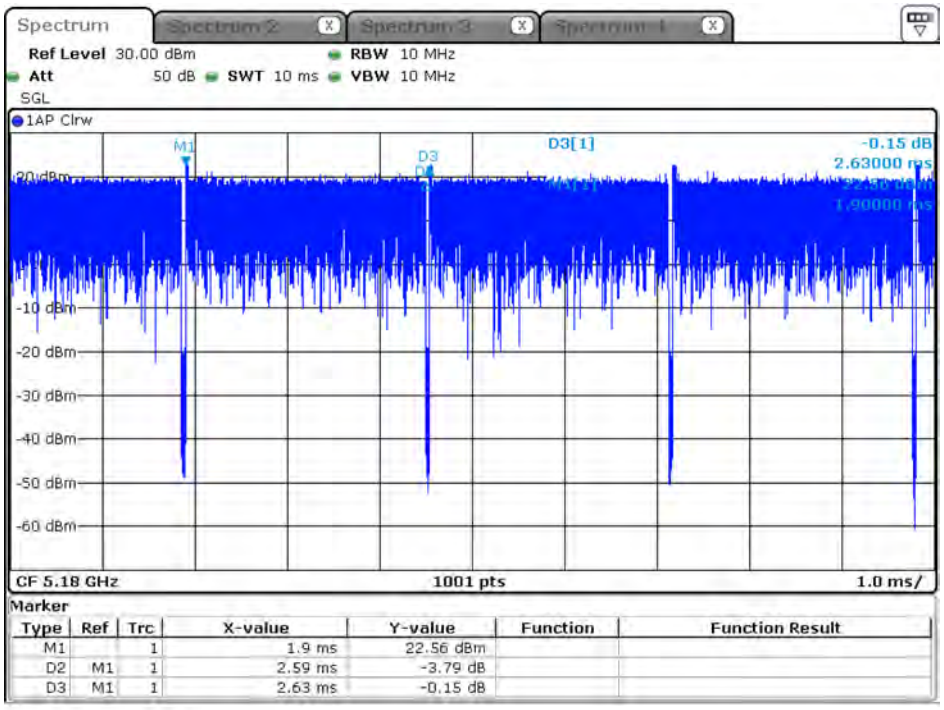
802.11ax160 (SISO B)



802.11ax20 (Partial RU_26/0) (SISO B)



802.11ax20 (Partial RU_52/37) (SISO B)

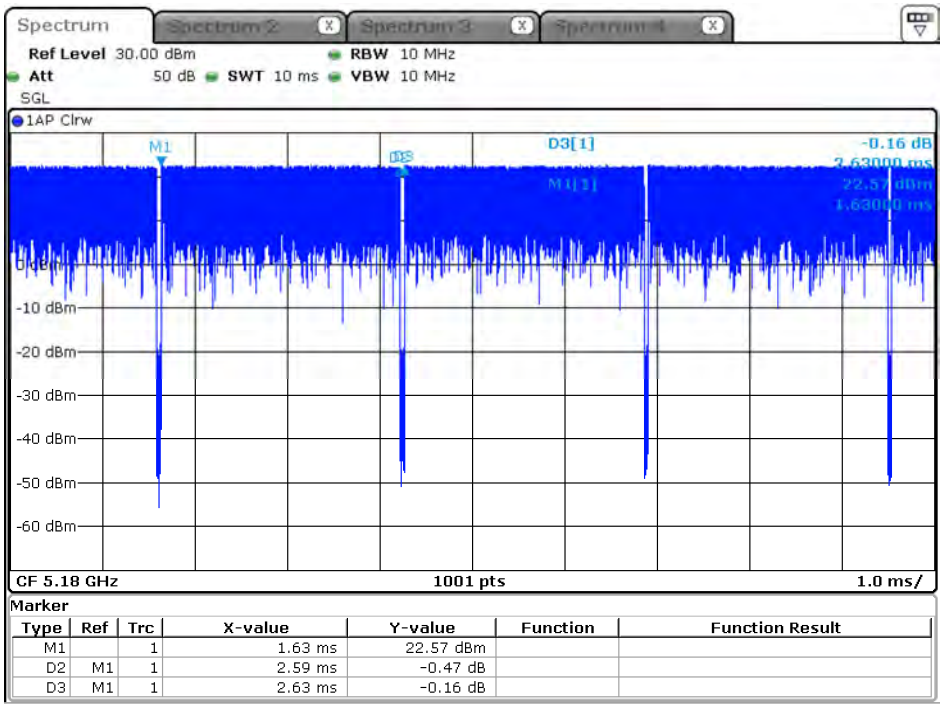


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.9 ms	22.56 dBm		
D2	M1	1	2.59 ms	-3.79 dB		
D3	M1	1	2.63 ms	-0.15 dB		

Date: 21.JAN.2021 17:34:01

802.11ax20 (Partial RU_106/53) (SISO B)

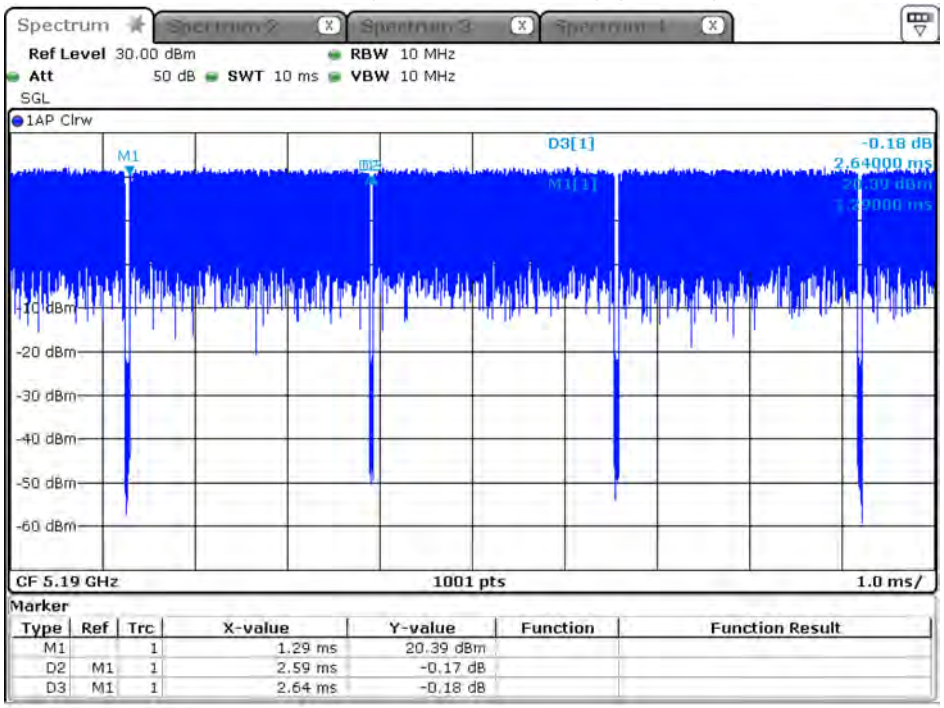


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.63 ms	22.57 dBm		
D2	M1	1	2.59 ms	-0.47 dB		
D3	M1	1	2.63 ms	-0.16 dB		

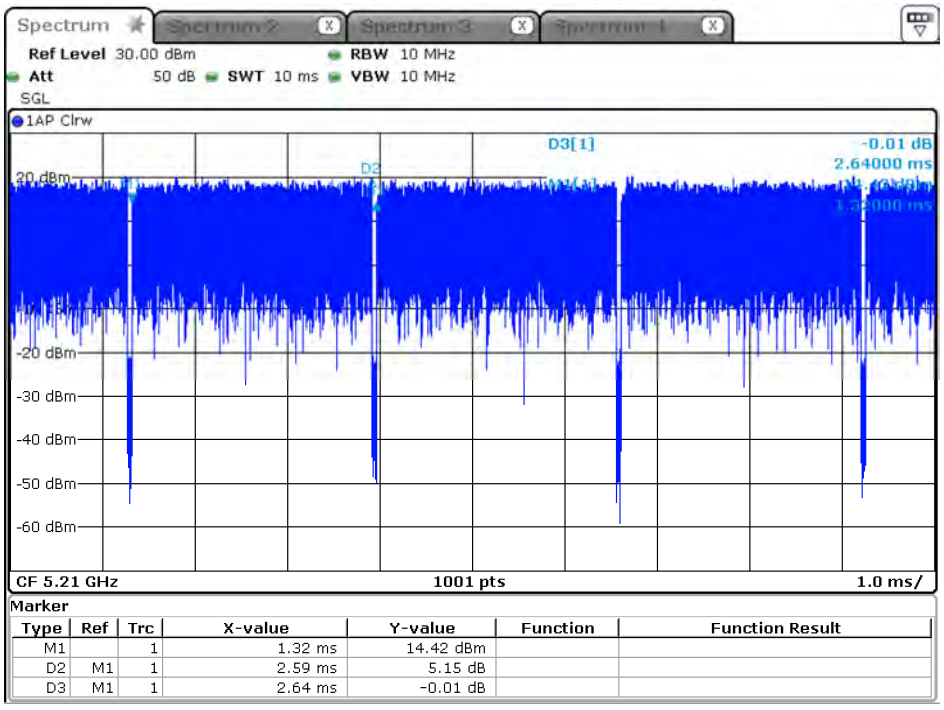
Date: 21.JAN.2021 17:36:51

802.11ax40 (Partial RU_242/61) (SISO B)



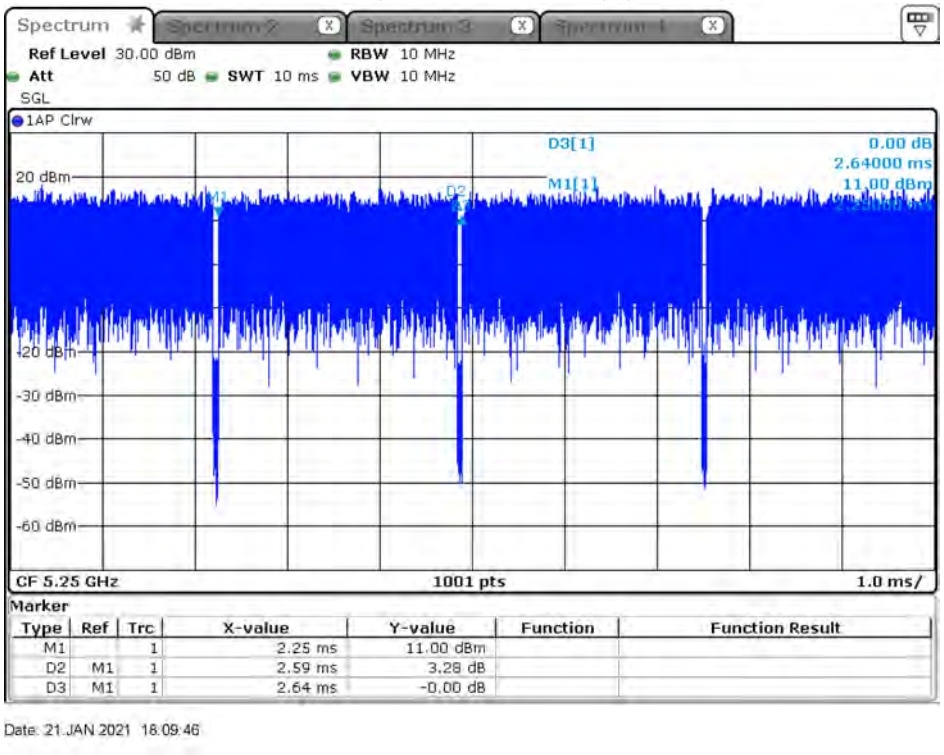
Date: 21.JAN.2021 17:40:14

802.11ax80 (Partial RU_484/65) (SISO B)



Date: 21.JAN.2021 18:03:56

802.11ax160 (Partial RU_996/67) (SISO B)



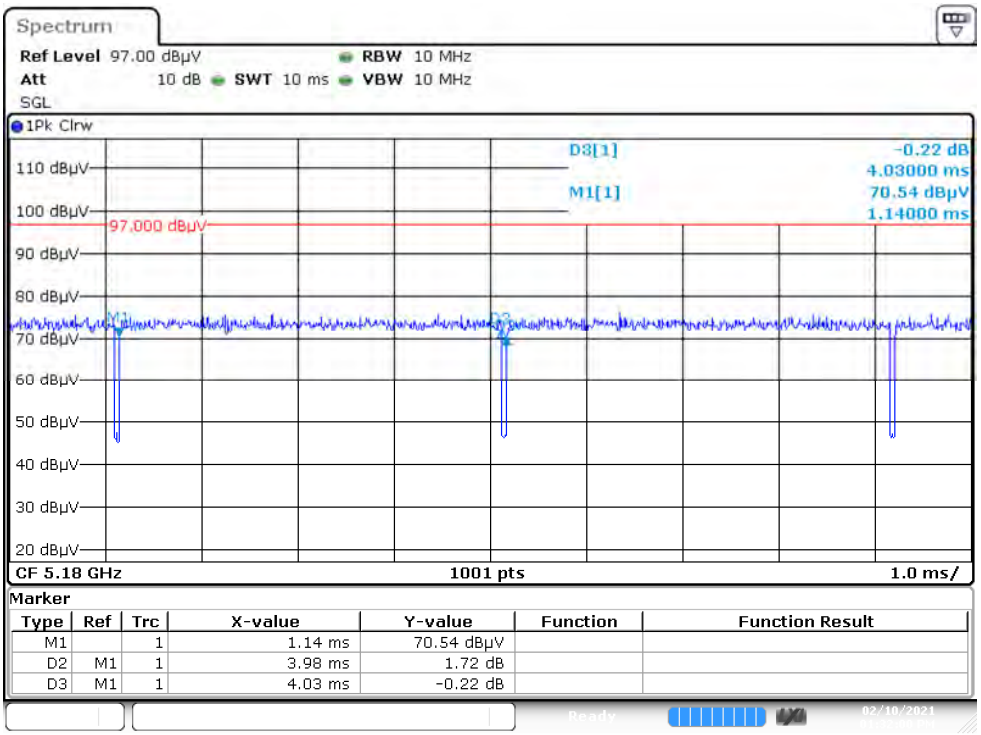
Product : Portable Computer
Test Item : Duty Cycle
Test Mode : Mode 41: Transmit-MIMO

Duty Cycle Formula:
Duty Cycle = Ton / (Ton + Toff)
Duty Factor = 10 Log (1/Duty Cycle)

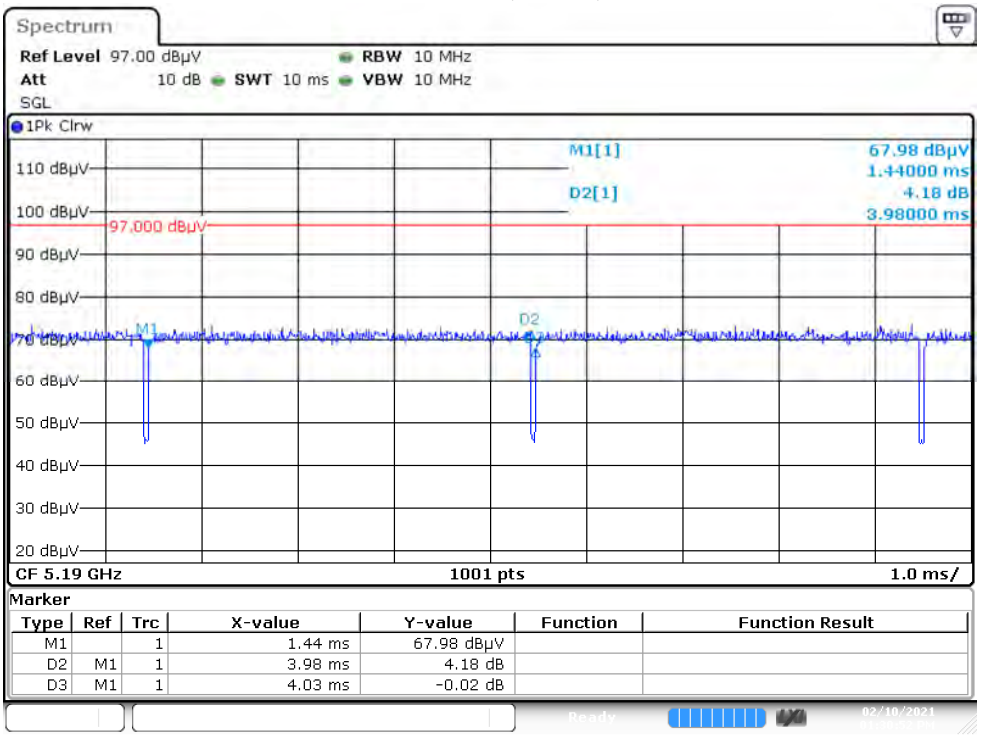
Results:

5GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11 n20	3.9800	4.0300	98.76	0.05
802.11 n40	3.9800	4.0300	98.76	0.05
802.11 ac80	3.9700	4.0200	98.76	0.05
802.11 ac160	2.7900	2.8400	98.24	0.08
802.11 ax20	3.9700	4.0100	99.00	0.04
802.11 ax40	3.9700	4.0200	98.76	0.05
802.11 ax80	3.9800	4.0300	98.76	0.05
802.11 ax160	2.3000	2.3400	98.29	0.07
802.11 ax20-26/0-RU	2.6000	2.6500	98.11	0.08
802.11 ax20-52/37-RU	2.5900	2.6400	98.11	0.08
802.11 ax20-106/53-RU	2.5900	2.6400	98.11	0.08
802.11 ax40-242/61-RU	2.5900	2.6500	97.74	0.10
802.11 ax80-484/65-RU	2.5900	2.6400	98.11	0.08
802.11 ax160-996/67-RU	2.5900	2.6500	97.74	0.10

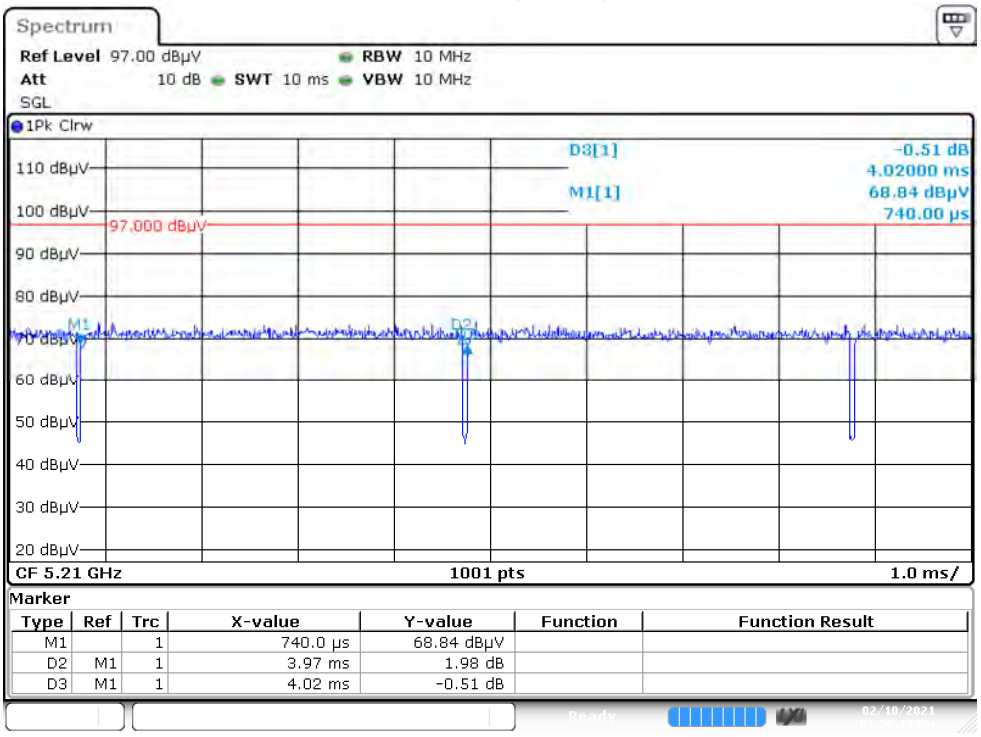
802.11n20 (MIMO)



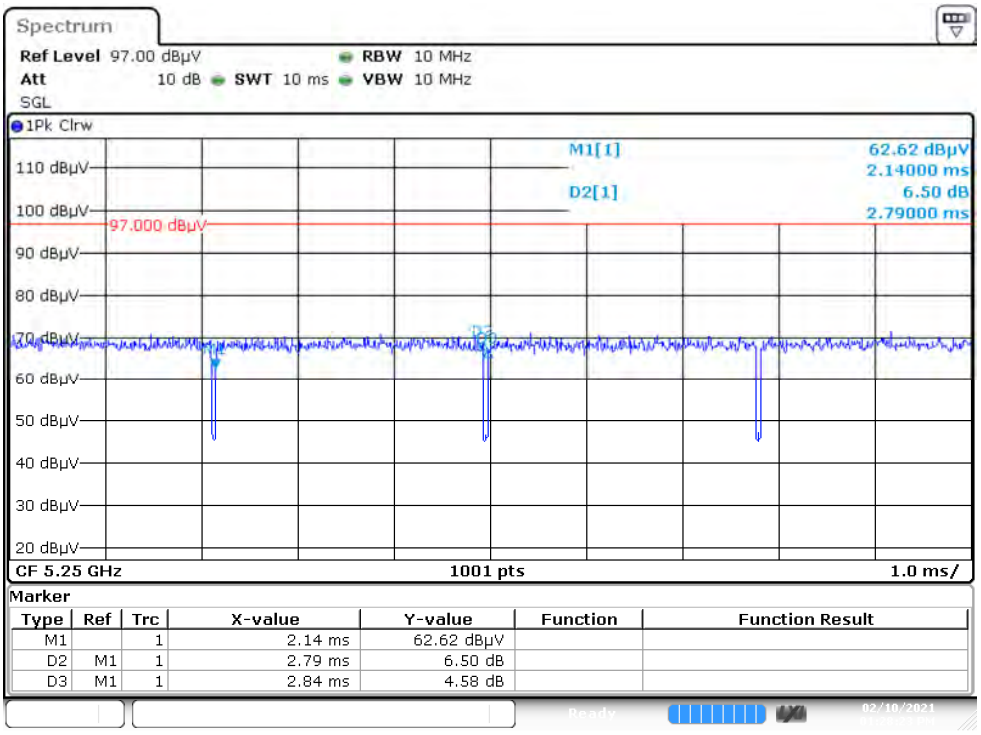
802.11n40 (MIMO)



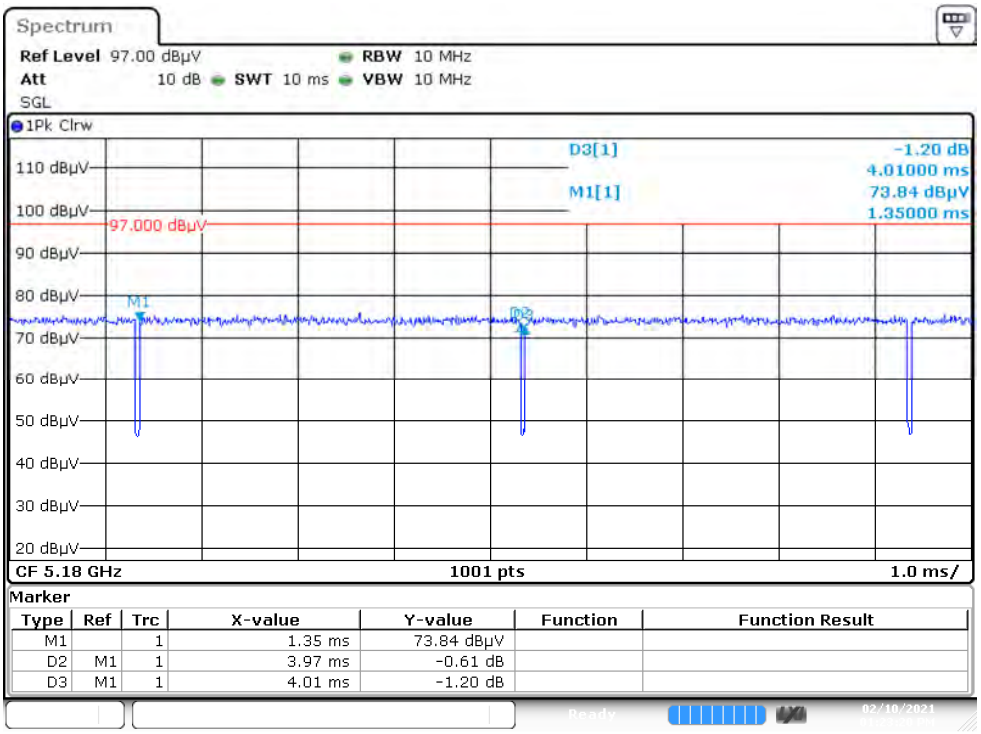
802.11ac80 (MIMO)



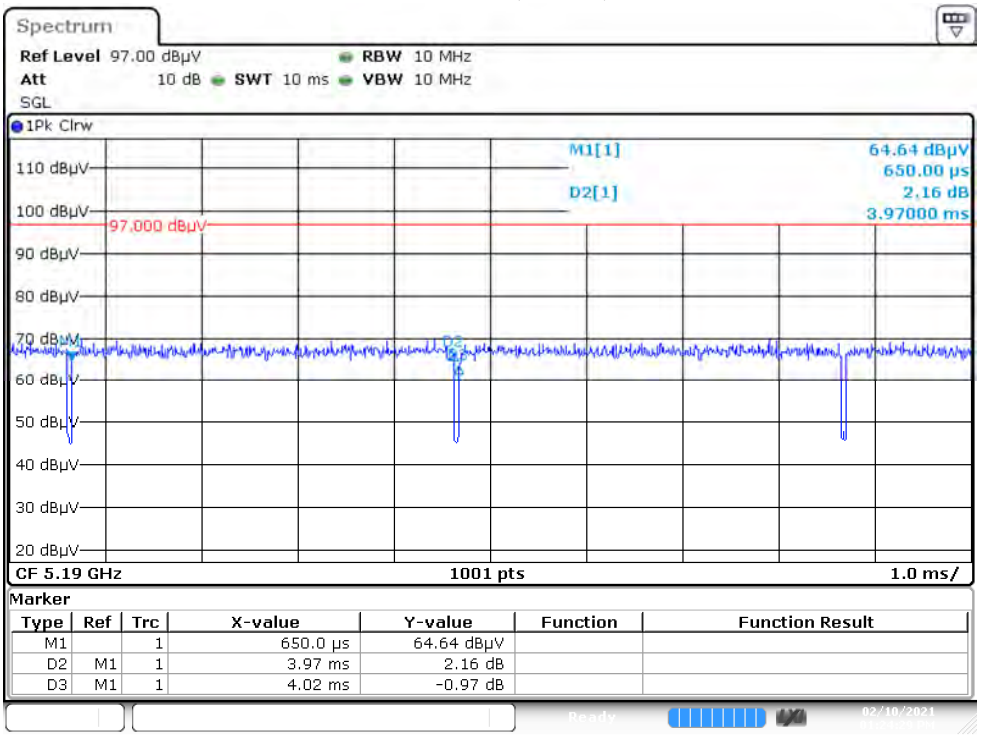
802.11ac160 (MIMO)



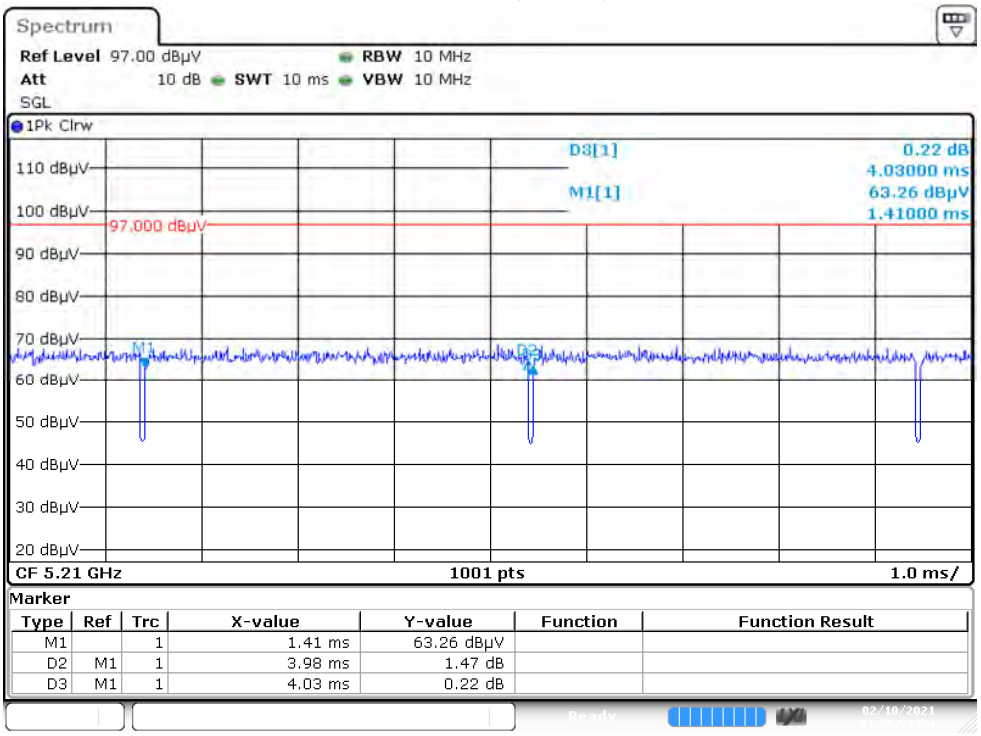
802.11ax20 (MIMO)



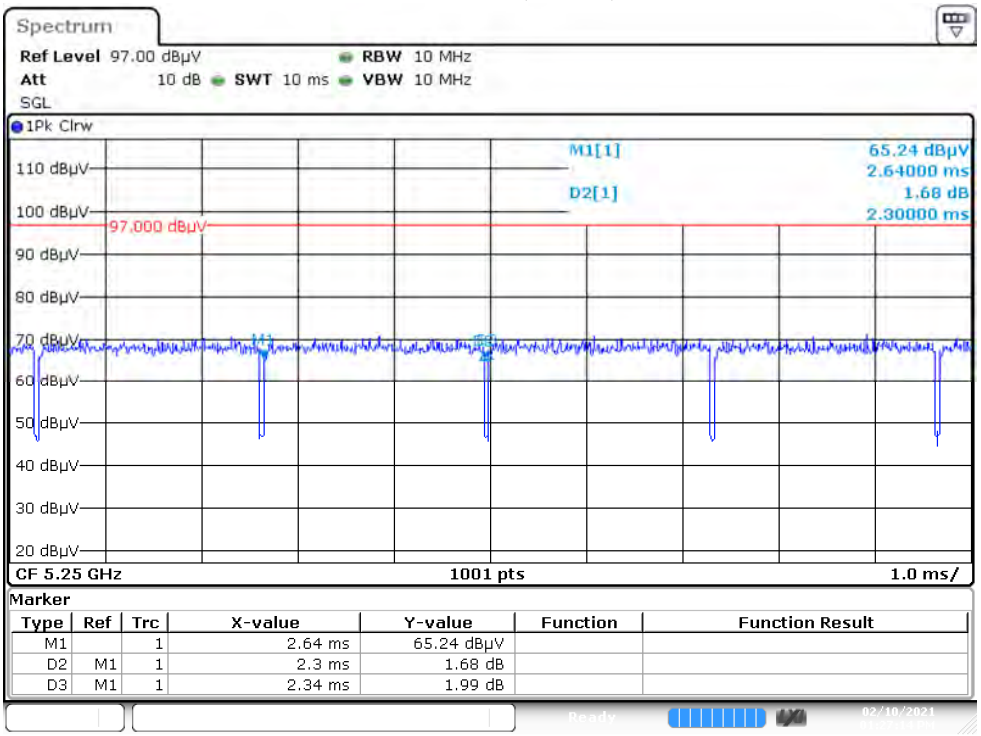
802.11ax40 (MIMO)



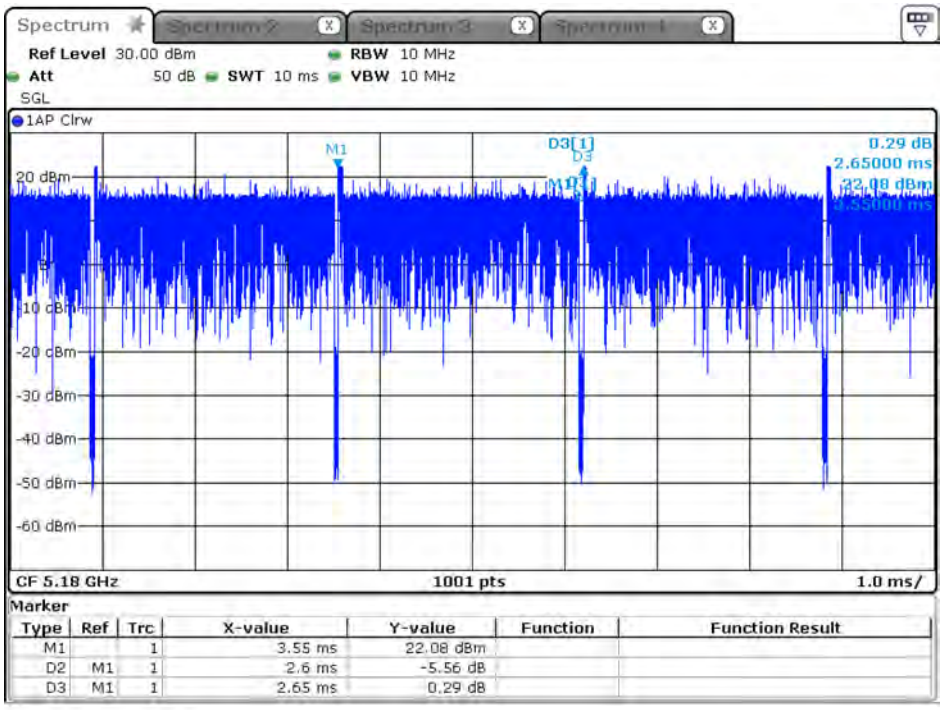
802.11ax80 (MIMO)



802.11ax160 (MIMO)

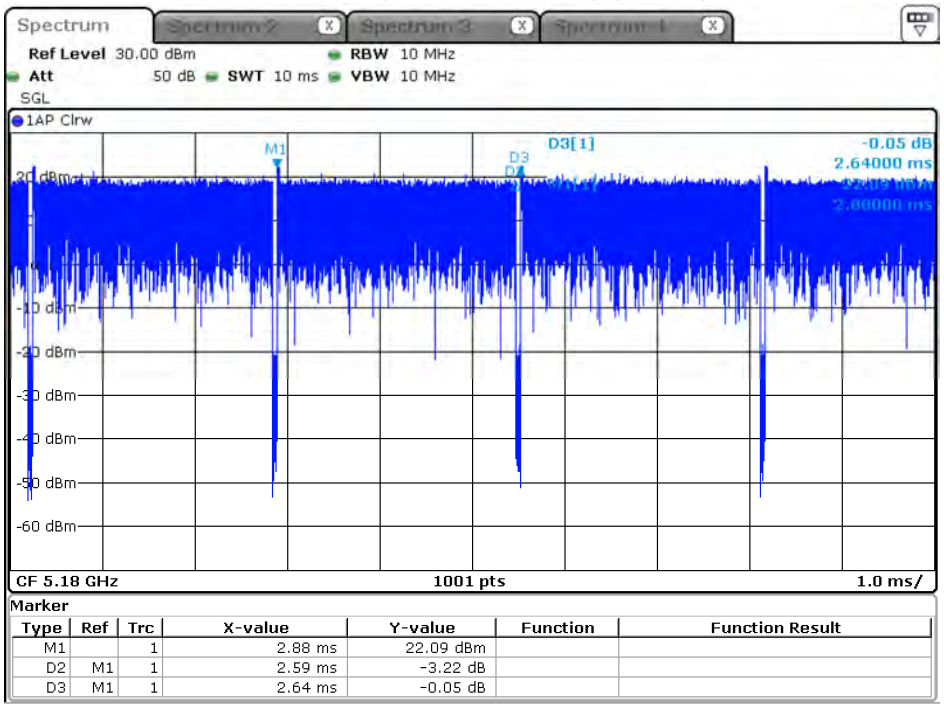


802.11ax20 (Partial RU_26/0) (MIMO)



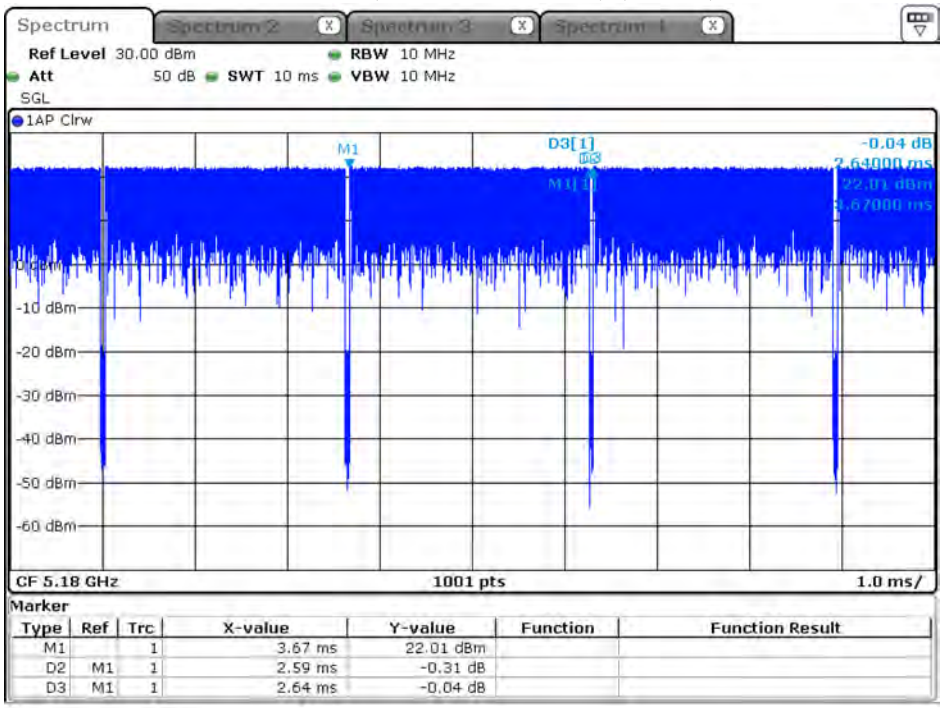
Date: 21.JAN.2021 19:23:41

802.11ax20 (Partial RU_52/37) (MIMO)



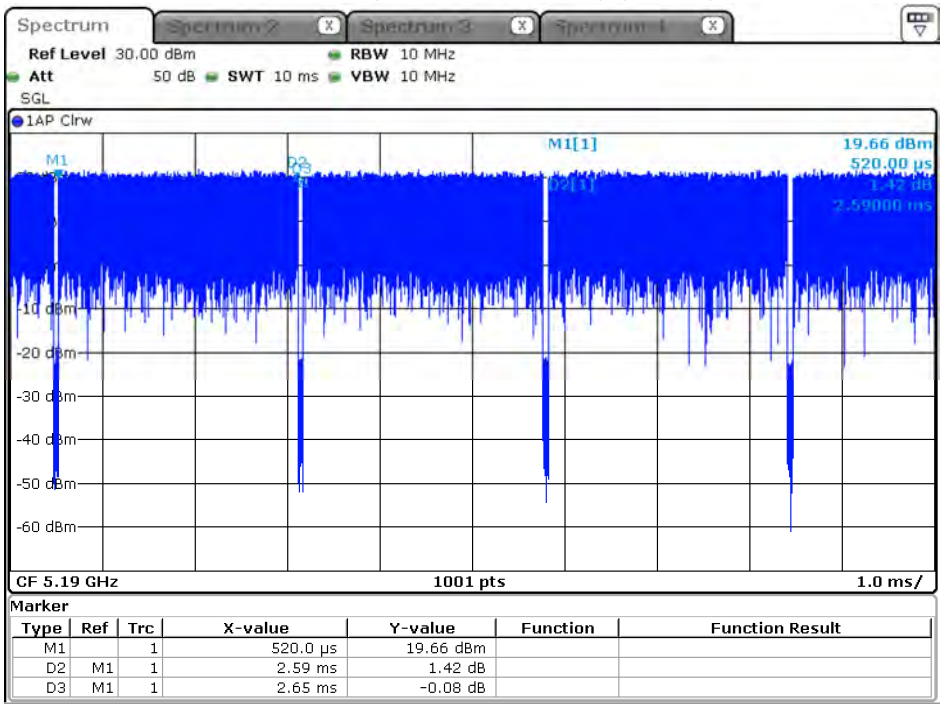
Date: 21.JAN.2021 19:26:57

802.11ax20 (Partial RU_106/53) (MIMO)



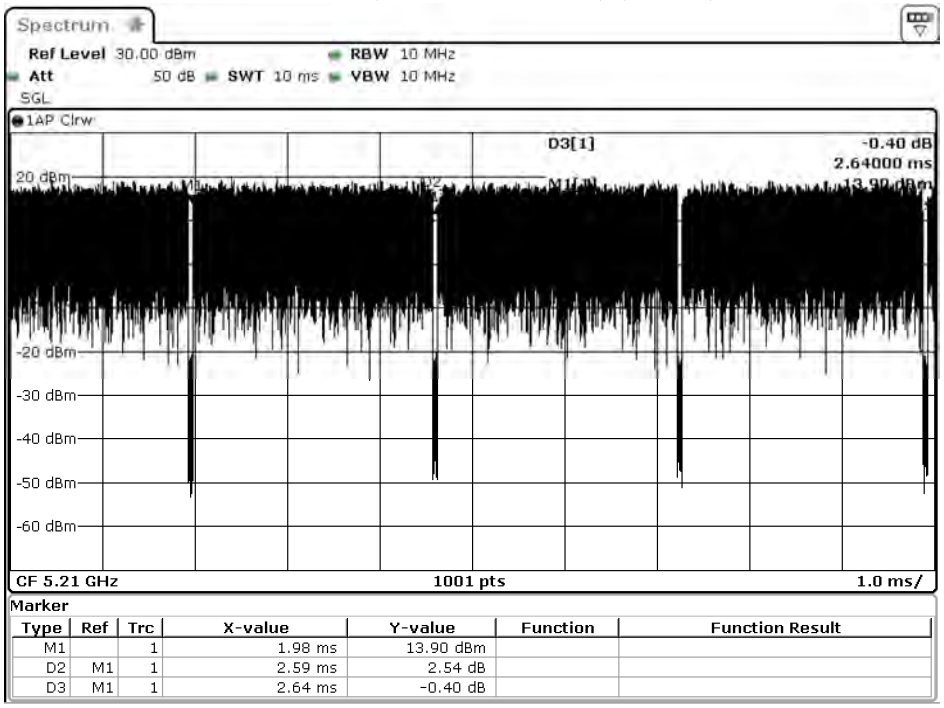
Date: 21.JAN.2021 19:29:35

802.11ax40 (Partial RU_242/61) (MIMO)



Date: 21.JAN.2021 19:46:31

802.11ax80 (Partial RU_484/65) (MIMO)

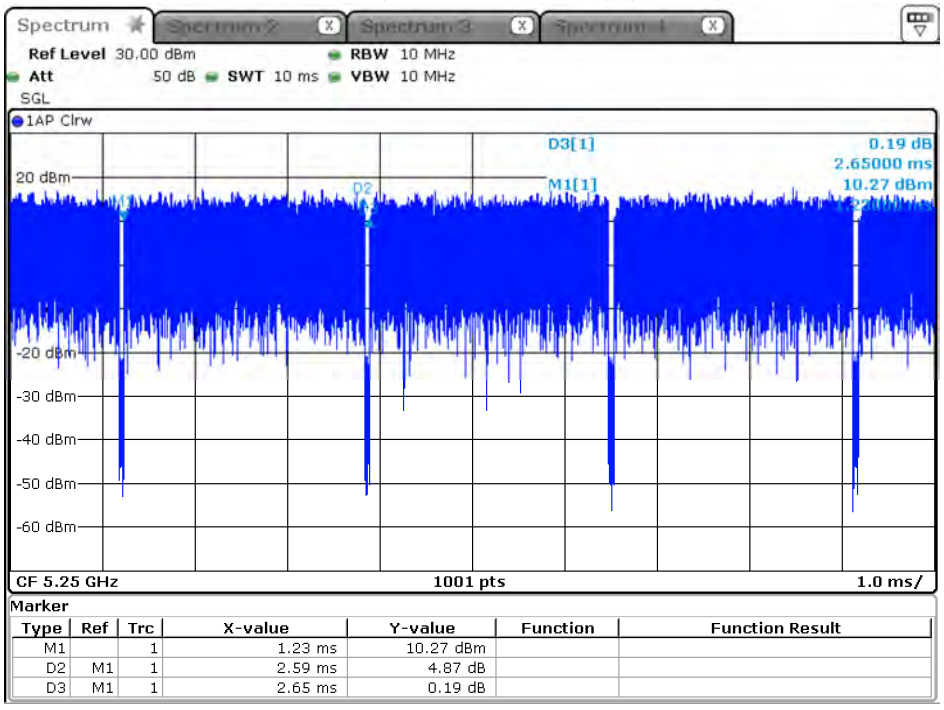


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.98 ms	13.90 dBm		
D2	M1	1	2.59 ms	2.54 dB		
D3	M1	1	2.64 ms	-0.40 dB		

Date: 22.JAN.2021 09:29:03

802.11ax160 (Partial RU_996/67) (MIMO)



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	1.23 ms	10.27 dBm		
D2	M1	1	2.59 ms	4.87 dB		
D3	M1	1	2.65 ms	0.19 dB		

Date: 21.JAN.2021 19:49:39

6. EMI Reduction Method During Compliance Testing

No modification was made during testing.