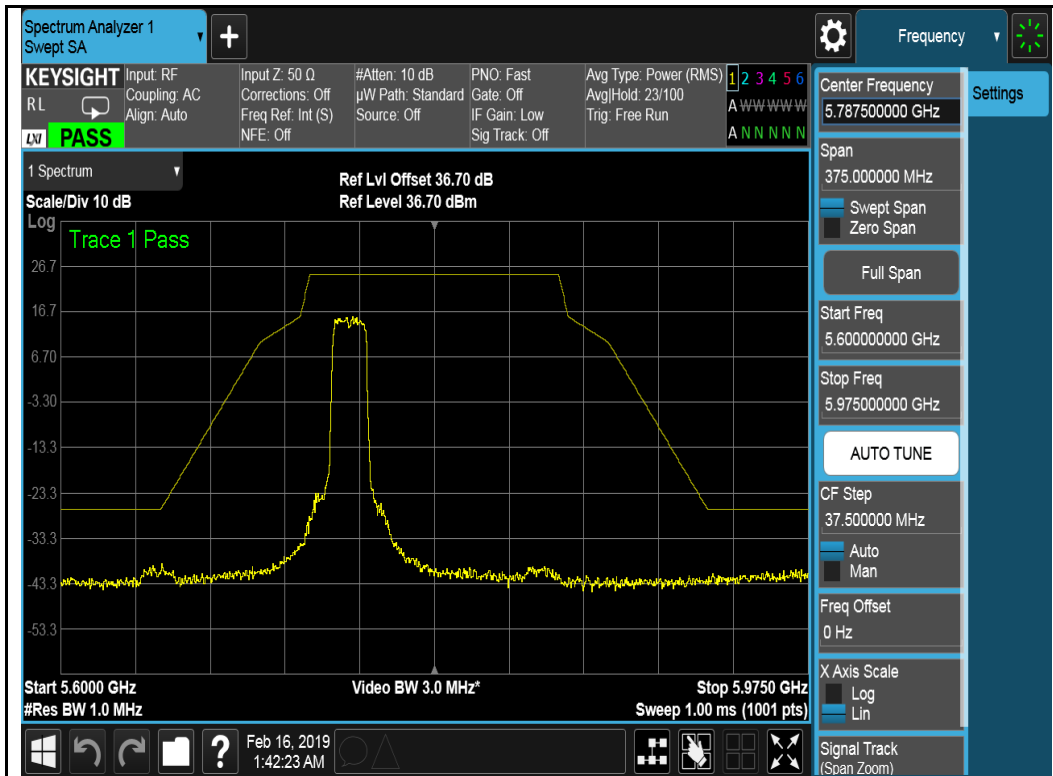
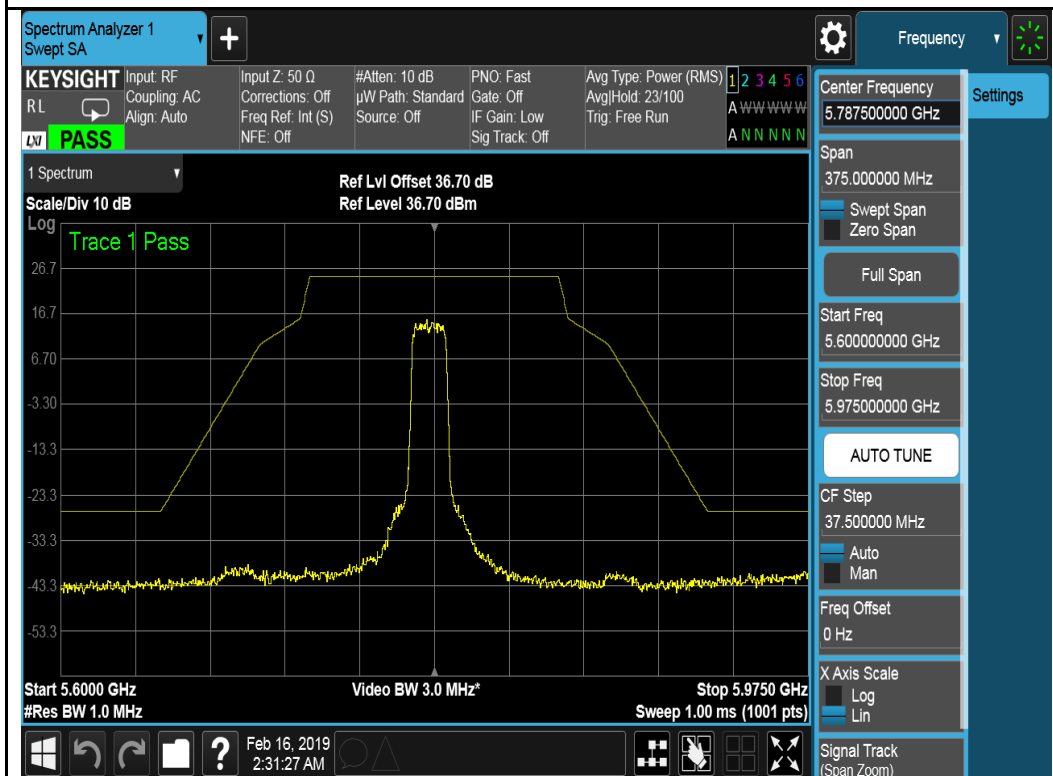


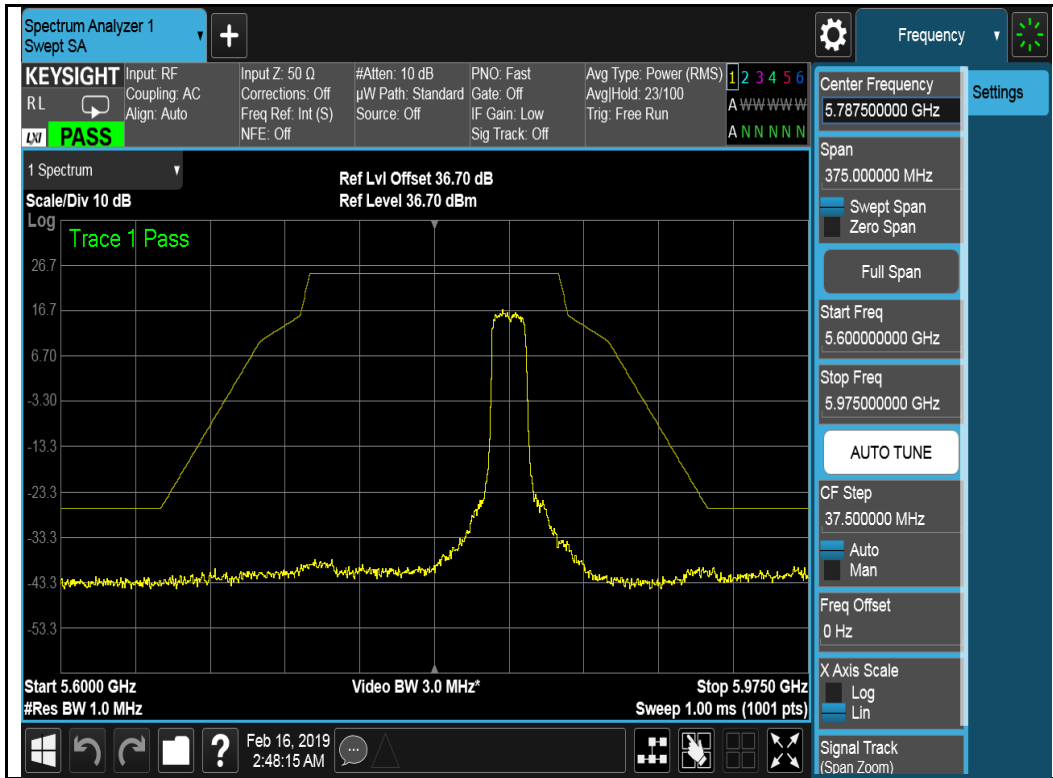
Chain 3:



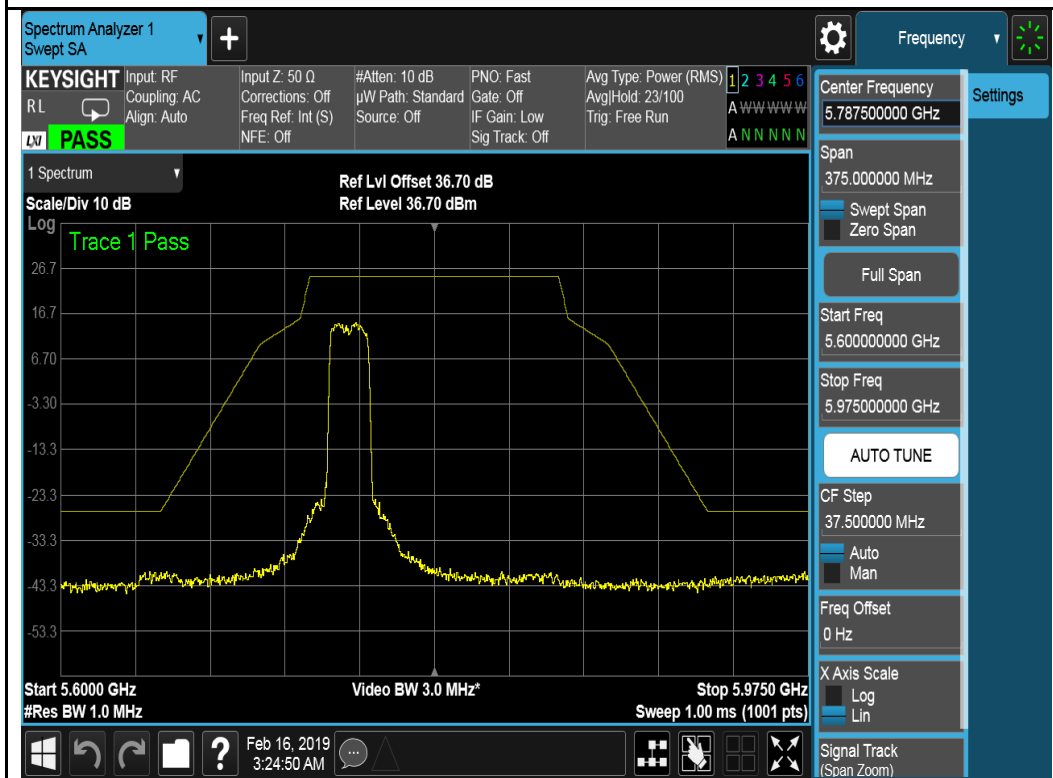
802.11a-5745MHz



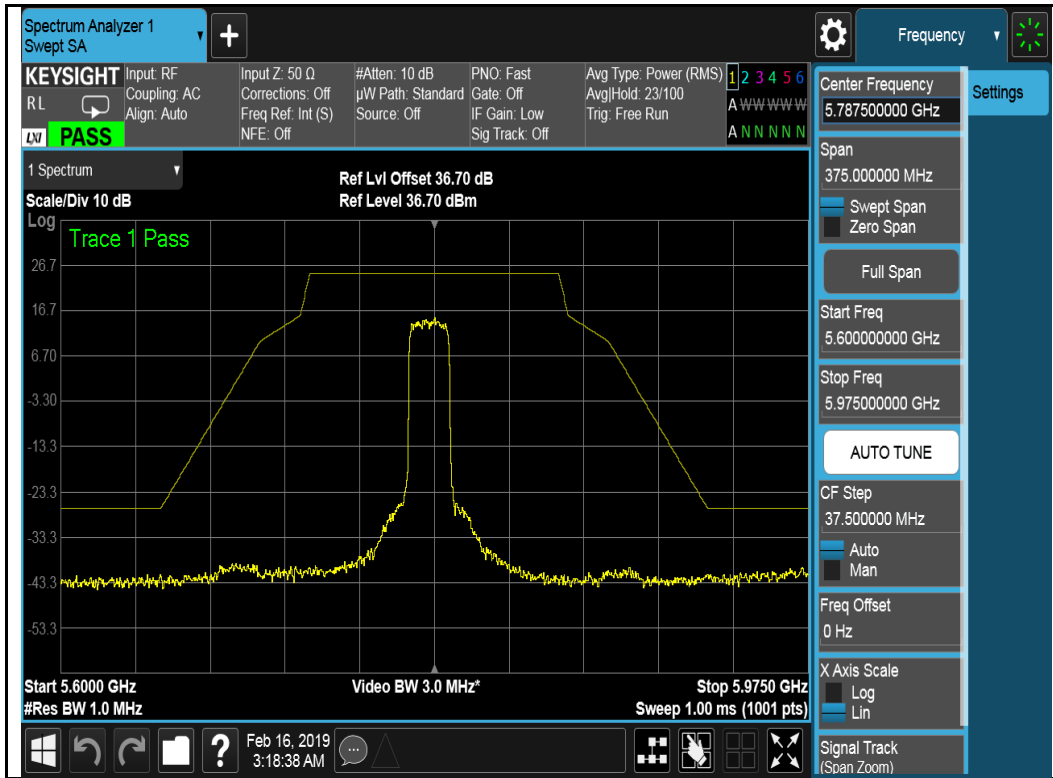
802.11a-5785MHz



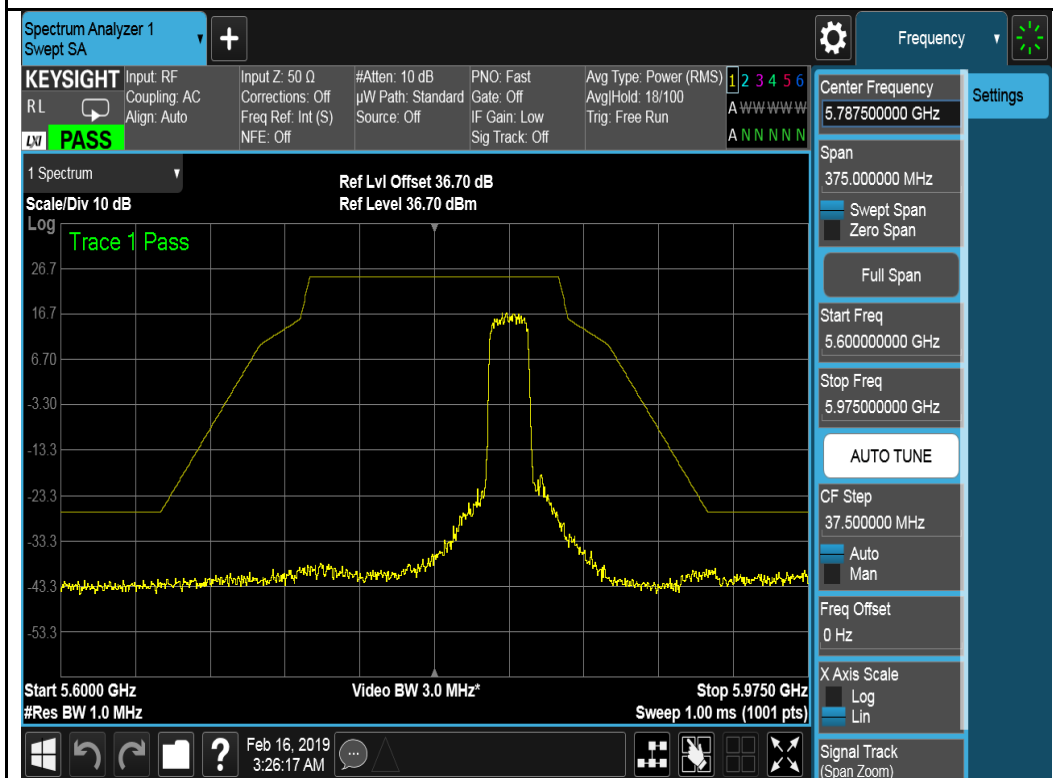
802.11a-5825MHz



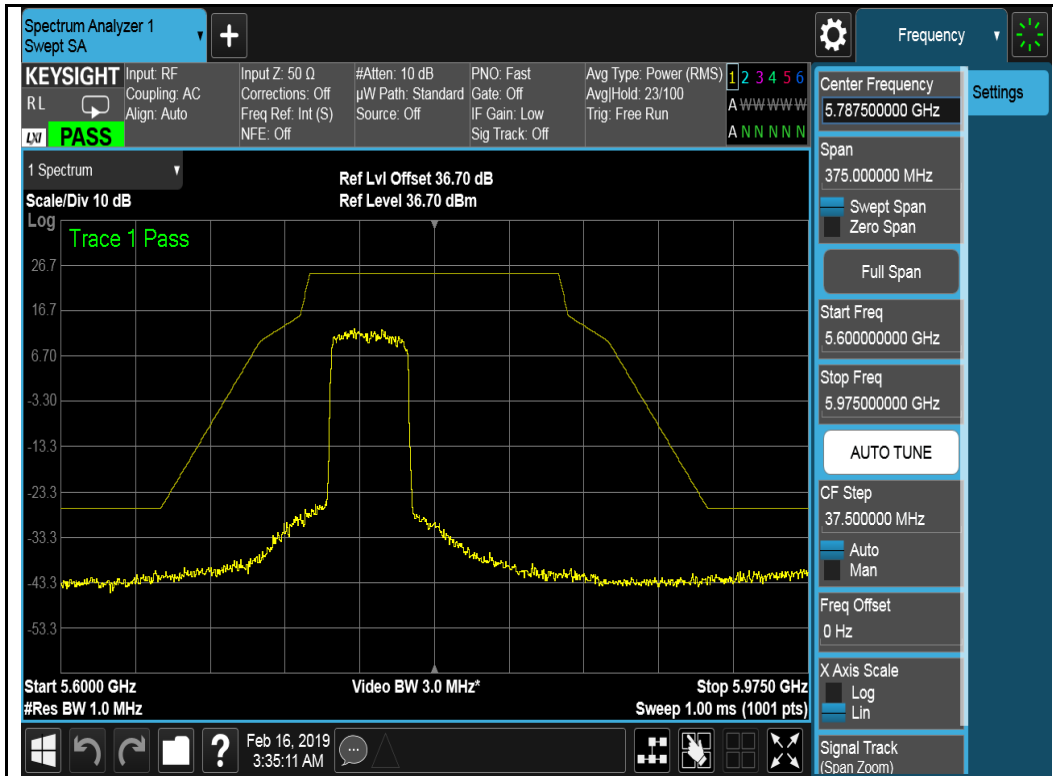
802.11ax-HT20-5745MHz



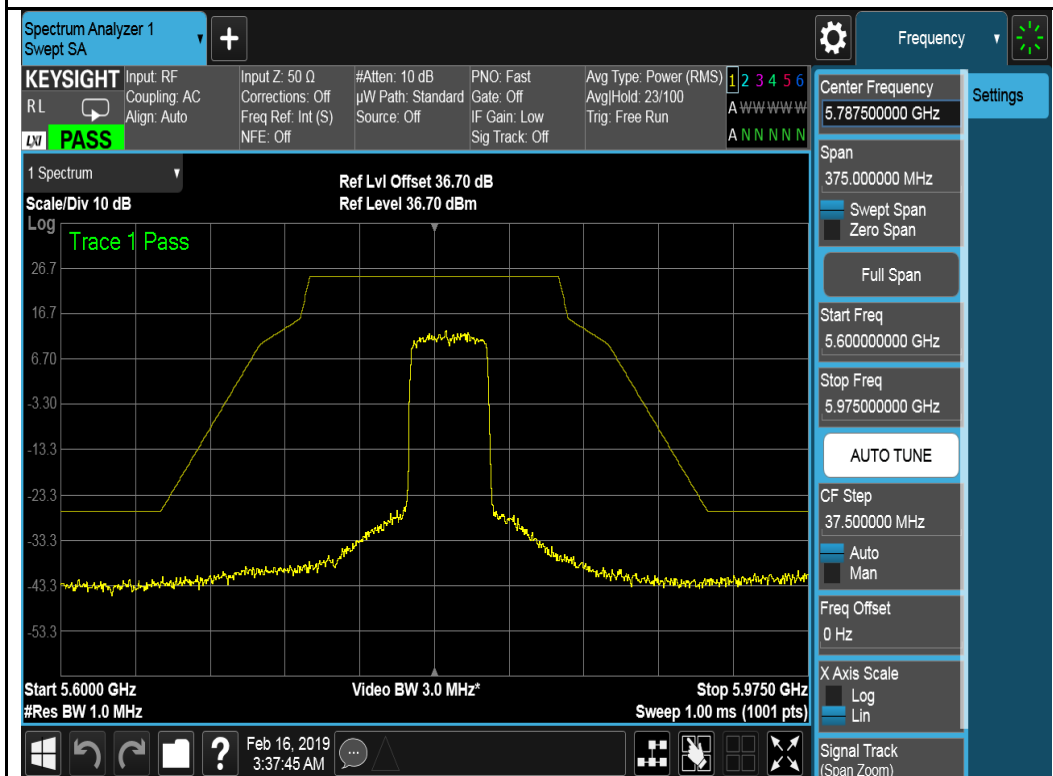
802.11ax-HT20-5785MHz



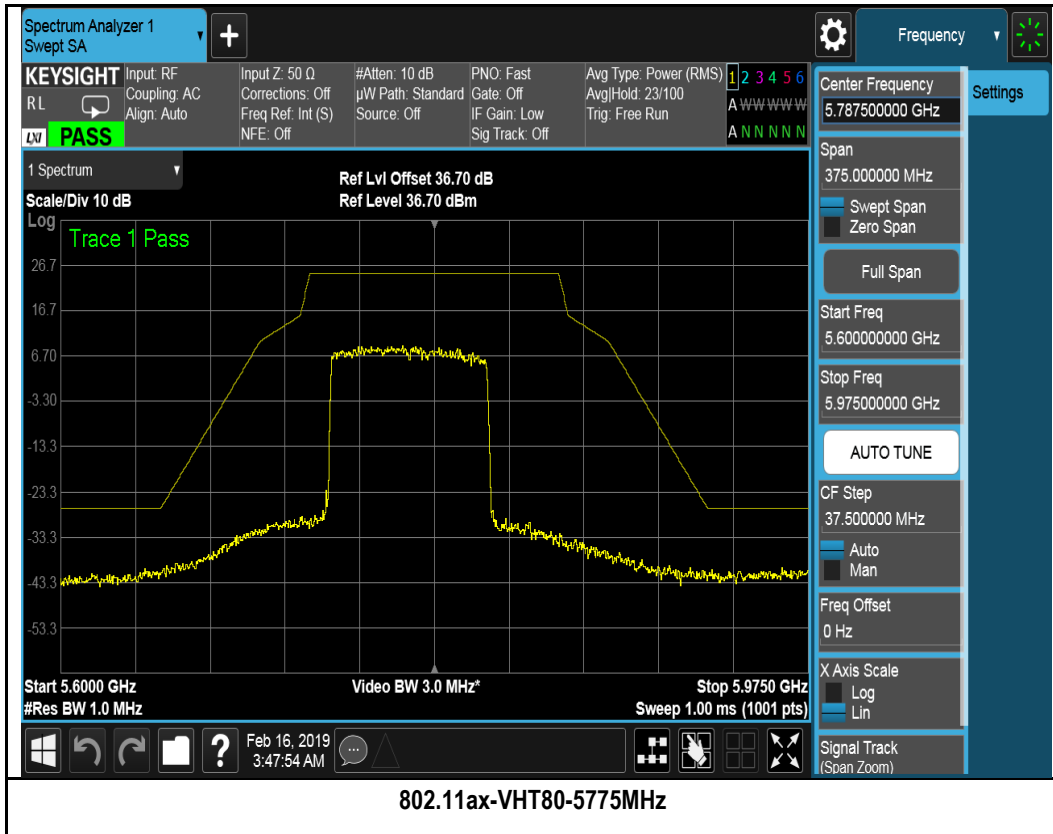
802.11ax-HT20-5825MHz



802.11ax-H420-5755MHz

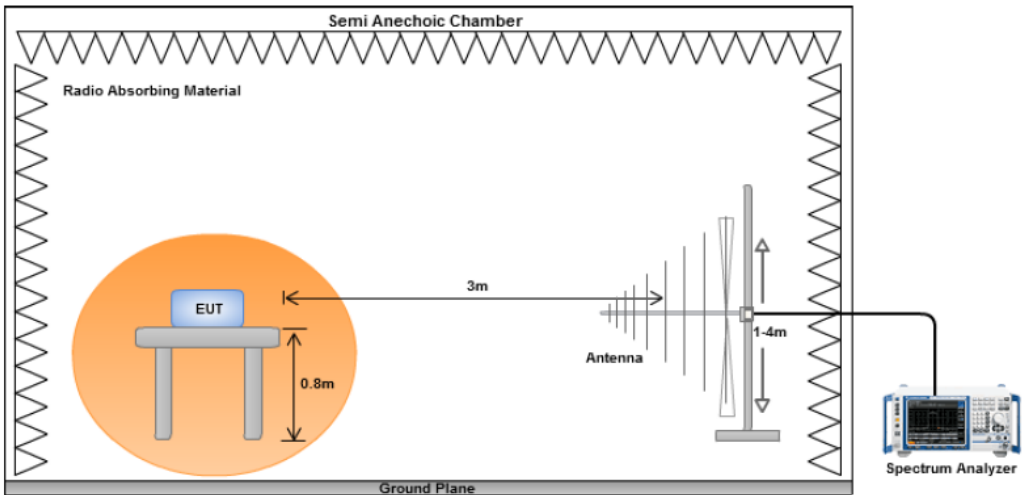


802.11ax-H420-5795MHz



10.7 Radiated Emissions below 1GHz

Requirement(s):

Spec	Requirement	Applicable										
47CFR§ 15.407(b) 15.209 (a)	<p>Except higher limit as specified elsewhere in other section, the emissions from the low-power radio-frequency devices shall not exceed the field strength levels specified in the following table and the level of any unwanted emissions shall not exceed the level of the fundamental emission. The tighter limit applies at the band edges</p> <table border="1"> <thead> <tr> <th>Frequency range (MHz)</th> <th>Field Strength (uV/m)</th> </tr> </thead> <tbody> <tr> <td>30 – 88</td> <td>100</td> </tr> <tr> <td>88 – 216</td> <td>150</td> </tr> <tr> <td>216 960</td> <td>200</td> </tr> <tr> <td>Above 960</td> <td>500</td> </tr> </tbody> </table>	Frequency range (MHz)	Field Strength (uV/m)	30 – 88	100	88 – 216	150	216 960	200	Above 960	500	☒
Frequency range (MHz)	Field Strength (uV/m)											
30 – 88	100											
88 – 216	150											
216 960	200											
Above 960	500											
Test Setup												
Procedure	<ol style="list-style-type: none"> The EUT was switched on and allowed to warm up to its normal operating condition. The test was carried out at the selected frequency points obtained from the EUT characterisation. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner: <ol style="list-style-type: none"> Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen. The EUT was then rotated to the direction that gave the maximum emission. Finally, the antenna height was adjusted to the height that gave the maximum emission. A Quasi-peak measurement was then made for that frequency point. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured. 											
Remark	The EUT was scanned up to 1GHz. Both horizontal and vertical polarities were investigated. The results show only the worst case.											
Result	☒ Pass ☐ Fail											

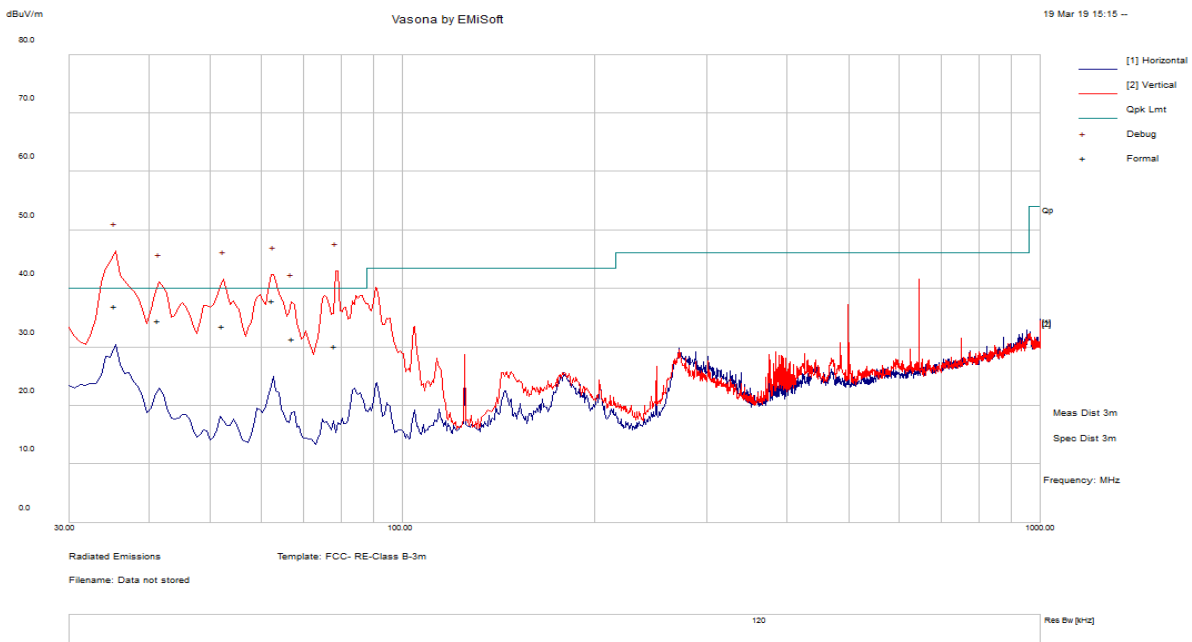
Test Data ☒ Yes (See below) ☐ N/A

Test Plot ☒ Yes (See below) ☐ N/A

Test was done by Deon Daiat 10m chamber.

Radiated Emission Test Results (Below 1GHz)

Test specification	below 1GHz			Result	Pass
Environmental Conditions:	Temp (°C):	23			
	Humidity (%)	46			
	Atmospheric (mbar):	1017			
Mains Power:	120VAC, 60Hz				
Tested by:	Deon Dai				
Test Date:	03/19/2019				
Remarks:	802.11ac – VHT80, 5210MHz				



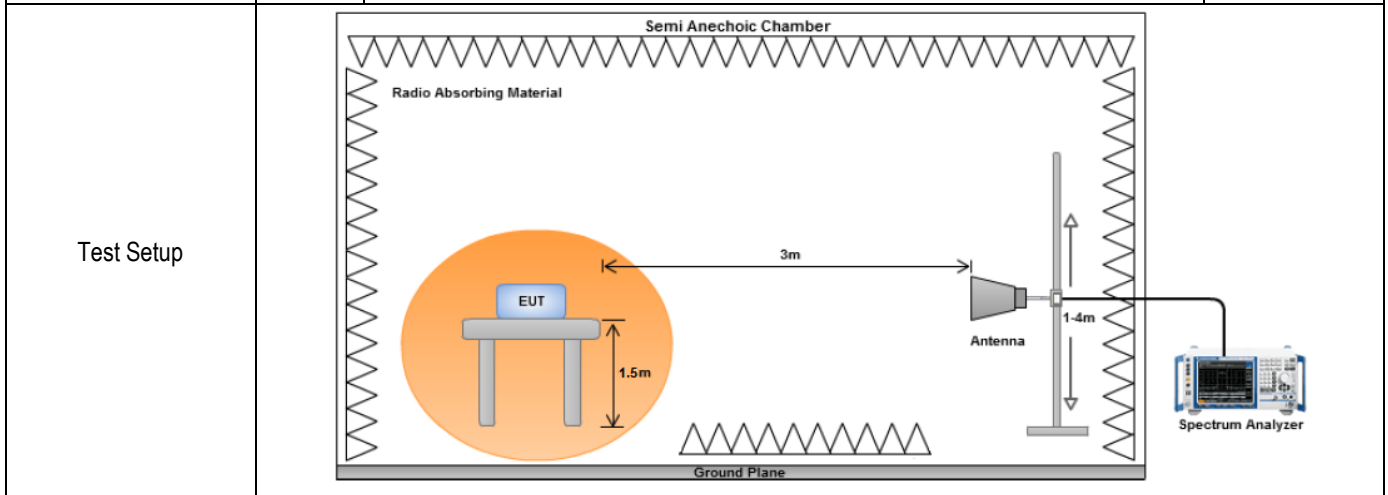
Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
35.41	42.77	11.21	-16.88	37.1	Quasi Max	V	168	144	40	-2.9	Pass
78.49	46.2	11.66	-27.67	30.19	Quasi Max	V	107	294	40	-9.82	Pass
62.51	53.85	11.53	-27.32	38.06	Quasi Max	V	103	226	40	-1.95	Pass
52.29	48.88	11.46	-26.73	33.61	Quasi Max	V	139	264	40	-6.39	Pass
41.42	44.57	11.33	-21.3	34.61	Quasi Max	V	101	356	40	-5.39	Pass
67.19	47.1	11.56	-27.25	31.4	Quasi Max	V	187	203	40	-8.6	Pass

Note: Both horizontal and vertical polarities were investigated. The results above show only the worst case.

10.8 Radiated Spurious Emissions above 1GHz

Requirement(s):

Spec	Item	Requirement	Applicable
47CFR§ 15.407(b)(2), 15.407(b)(6)	(1)	For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.	<input checked="" type="checkbox"/>
	(2)	For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.	<input type="checkbox"/>
	(3)	For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.	<input type="checkbox"/>
	(4)	For transmitters operating in the 5.725-5.825 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27 dBm/MHz.	<input checked="" type="checkbox"/>
	(5)	Restricted band, emission must also comply with the radiated emission limits specified in 15.209	<input checked="" type="checkbox"/>



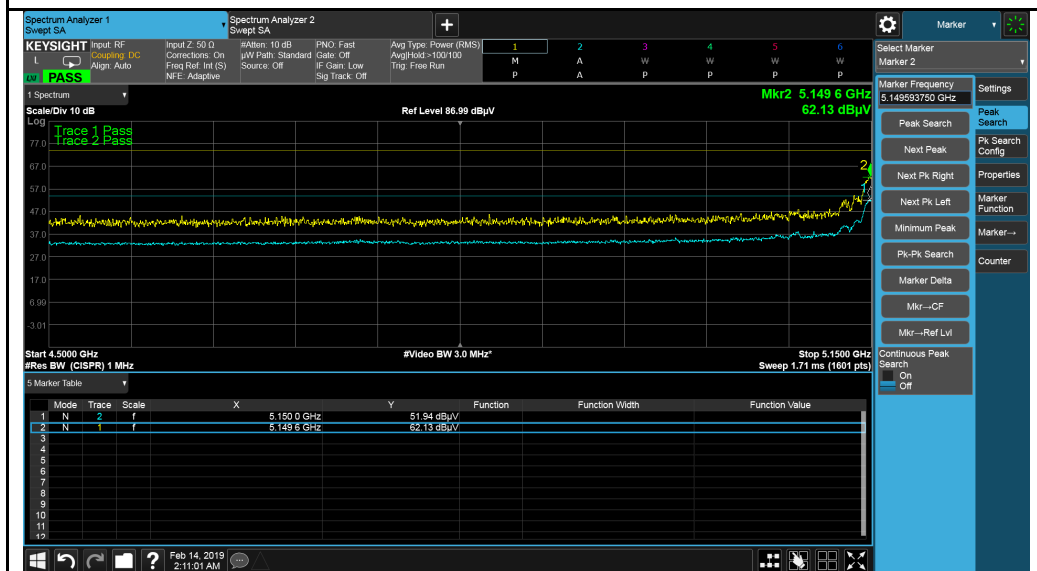
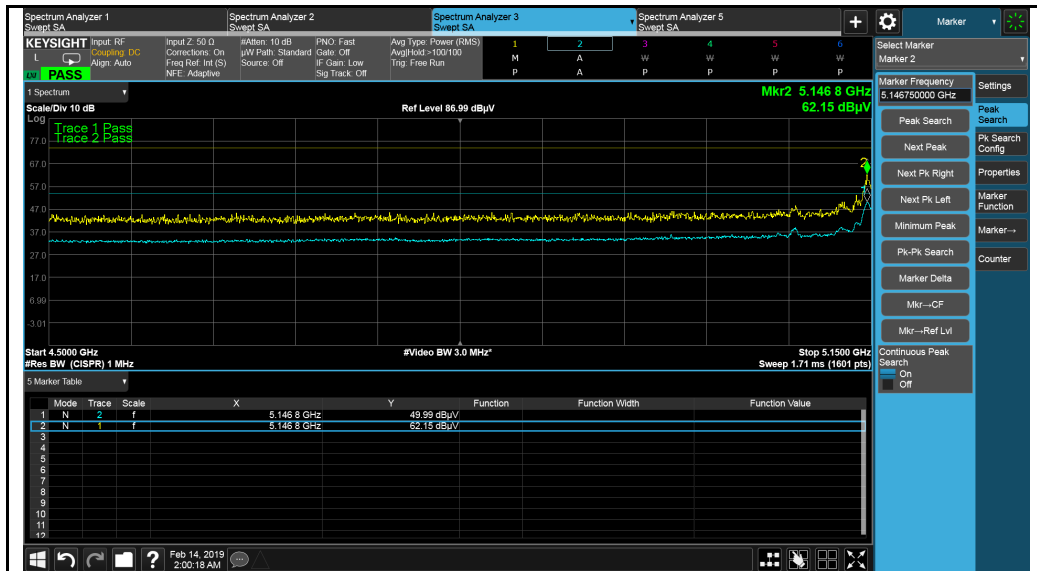
Procedure	<ol style="list-style-type: none"> 1. The EUT was switched on and allowed to warm up to its normal operating condition. 2. The test was carried out at the selected frequency points obtained from the EUT characterisation. Maximization of the emissions, was carried out by rotating the EUT, changing the antenna polarization, and adjusting the antenna height in the following manner: <ol style="list-style-type: none"> a. Vertical or horizontal polarisation (whichever gave the higher emission level over a full rotation of the EUT) was chosen. b. The EUT was then rotated to the direction that gave the maximum emission. c. Finally, the antenna height was adjusted to the height that gave the maximum emission. 3. An average measurement was then made for that frequency point. 4. Steps 2 and 3 were repeated for the next frequency point, until all selected frequency points were measured.
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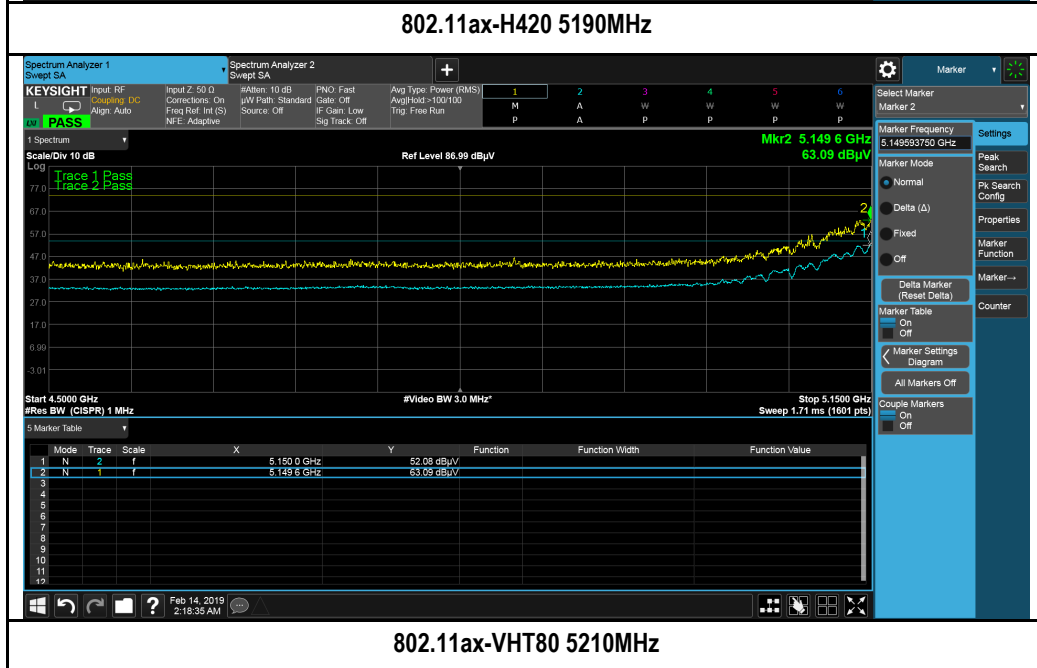
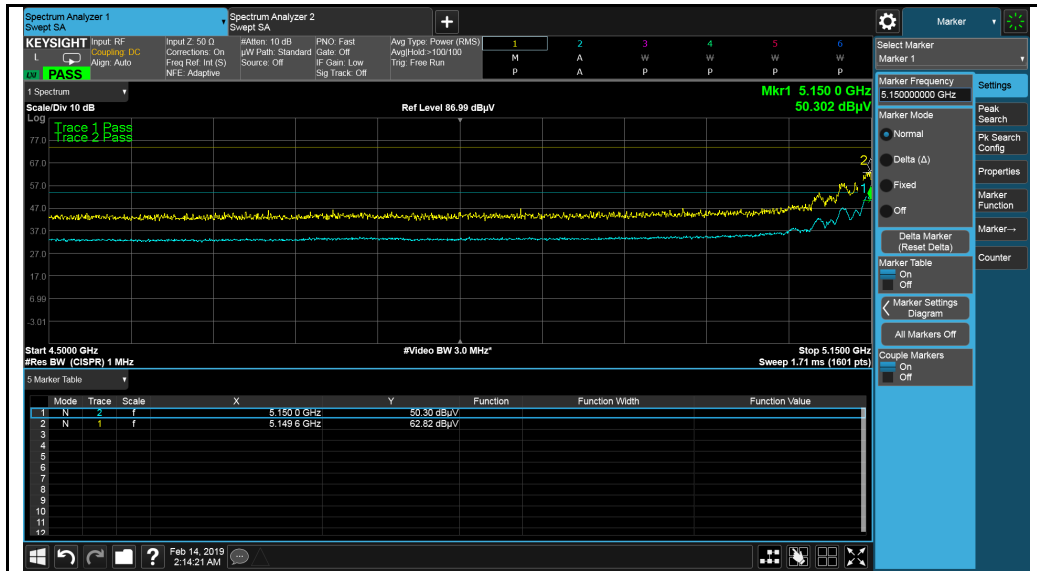
Remark	The EUT was scanned up to 40GHz. Both horizontal and vertical polarities were investigated. The results show only the worst case.
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data Yes (See below) N/A
Test Plot Yes (See below) N/A

Test was done by Deon Dai at 10m chamber.

Restricted Band Measurement Plots:





Radiated Emission Test Results (Above 1GHz)

1GHz-40GHz – 802.11a – 5180MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7695.55	51.27	5.2	-7.29	49.18	Peak Max	H	207	295	74	-24.82	Pass
10360.45	52.15	6	-3.87	54.28	Peak Max	H	220	26	74	-19.72	Pass
13122.70	54.97	6.95	-1.85	60.07	Peak Max	V	162	149	74	-13.93	Pass
7695.55	36.67	5.2	-7.29	34.58	Average Max	H	207	295	54	-19.42	Pass
10360.45	37.55	6	-3.87	39.68	Average Max	H	220	26	54	-14.32	Pass
13122.70	40.42	6.95	-1.85	45.52	Average Max	V	162	149	54	-8.48	Pass

1GHz-40GHz – 802.11a – 5200MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7891.65	48.68	5.34	-7.13	46.89	Peak Max	H	213	297	74	-27.11	Pass
10399.45	52.59	6.02	-3.85	54.76	Peak Max	H	222	26	74	-19.24	Pass
13822.55	54.74	7.17	-1.69	60.22	Peak Max	V	169	145	74	-13.78	Pass
7891.65	34.24	5.34	-7.13	32.45	Average Max	H	213	297	54	-21.55	Pass
10399.45	37.66	6.02	-3.85	39.83	Average Max	H	222	26	54	-14.17	Pass
13822.55	40.17	7.17	-1.69	45.65	Average Max	V	169	145	54	-8.35	Pass

1GHz-40GHz – 802.11a – 5240MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7725.34	49.34	5.21	-7.27	47.28	Peak Max	V	210	300	74	-26.72	Pass
10480.25	52.58	6.07	-3.82	54.83	Peak Max	V	219	33	74	-19.17	Pass
13231.06	54.18	6.99	-1.9	59.27	Peak Max	H	166	150	74	-14.73	Pass
7725.34	35.03	5.21	-7.27	32.97	Average Max	V	210	300	54	-21.03	Pass
10480.25	38.52	6.07	-3.82	40.77	Average Max	V	219	33	54	-13.23	Pass
13231.06	40.14	6.99	-1.9	45.23	Average Max	H	166	150	54	-8.77	Pass

1GHz-40GHz – 802.11ax-20M – 5180MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7309.18	49.67	5.15	-7.67	47.15	Peak Max	V	213	295	74	-26.85	Pass
10360.75	52.17	6	-3.87	54.3	Peak Max	H	215	30	74	-19.7	Pass
13874.23	54.78	7.2	-1.65	60.33	Peak Max	V	170	149	74	-13.67	Pass
7309.18	35.3	5.15	-7.67	32.78	Average Max	V	213	295	54	-21.22	Pass
10360.75	37.69	6	-3.87	39.82	Average Max	H	215	30	54	-14.18	Pass
13874.23	40.14	7.2	-1.65	45.69	Average Max	V	170	149	54	-8.31	Pass

1GHz-40GHz – 802.11ax-20M – 5200MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7332.23	49.61	5.15	-7.65	47.11	Peak Max	V	205	295	74	-26.89	Pass
10399.35	52.61	6.02	-3.85	54.78	Peak Max	H	218	25	74	-19.22	Pass
13657.64	54.55	7.09	-1.53	60.11	Peak Max	H	169	149	74	-13.89	Pass
7332.23	35.35	5.15	-7.65	32.85	Average Max	V	205	295	54	-21.15	Pass
10399.35	38.58	6.02	-3.85	40.75	Average Max	H	218	25	54	-13.25	Pass
13657.64	40.55	7.09	-1.53	46.11	Average Max	H	169	149	54	-7.89	Pass

1GHz-40GHz – 802.11ax-20M – 5240MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7703.21	50.34	5.2	-7.28	48.26	Peak Max	H	209	296	74	-25.74	Pass
10480.00	52.58	6.07	-3.82	54.83	Peak Max	H	217	33	74	-19.17	Pass
13250.93	54.92	7	-1.9	60.02	Peak Max	V	165	151	74	-13.98	Pass
7703.21	35.9	5.2	-7.28	33.82	Average Max	H	209	296	54	-20.18	Pass
10480.00	38.43	6.07	-3.82	40.68	Average Max	H	217	33	54	-13.32	Pass
13250.93	40.73	7	-1.9	45.83	Average Max	V	165	151	54	-8.17	Pass

1GHz-40GHz – 802.11ax-40M – 5190MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7986.16	50.75	5.42	-7.04	49.13	Peak Max	H	207	297	74	-24.87	Pass
10379.55	51.77	6.01	-3.86	53.92	Peak Max	V	219	34	74	-20.08	Pass
13728.60	54.69	7.11	-1.58	60.22	Peak Max	V	163	145	74	-13.78	Pass
7986.16	36.15	5.42	-7.04	34.53	Average Max	H	207	297	54	-19.47	Pass
10379.55	37.31	6.01	-3.86	39.46	Average Max	V	219	34	54	-14.54	Pass
13728.60	40.63	7.11	-1.58	46.16	Average Max	V	163	145	54	-7.84	Pass

1GHz-40GHz – 802.11ax-40M – 5230MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7954.07	51.27	5.39	-7.07	49.59	Peak Max	H	208	299	74	-24.41	Pass
10460.95	52.75	6.06	-3.83	54.98	Peak Max	V	215	34	74	-19.02	Pass
13274.48	53.7	7	-1.84	58.86	Peak Max	V	164	145	74	-15.14	Pass
7954.07	37.22	5.39	-7.07	35.54	Average Max	H	208	299	54	-18.46	Pass
10460.95	38.7	6.06	-3.83	40.93	Average Max	V	215	34	54	-13.07	Pass
13274.48	39.51	7	-1.84	44.67	Average Max	V	164	145	54	-9.33	Pass

1GHz-40GHz – 802.11ax-80M – 5210MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7488.75	49.37	5.13	-7.54	46.96	Peak Max	H	209	294	74	-27.04	Pass
10419.15	52.04	6.03	-3.84	54.23	Peak Max	V	223	30	74	-19.77	Pass
13632.57	55.39	7.09	-1.53	60.95	Peak Max	H	163	152	74	-13.05	Pass
7488.75	35.07	5.13	-7.54	32.66	Average Max	H	209	294	54	-21.34	Pass
10419.15	37.73	6.03	-3.84	39.92	Average Max	V	223	30	54	-14.08	Pass
13632.57	41.39	7.09	-1.53	46.95	Average Max	H	163	152	54	-7.05	Pass

1GHz-40GHz – 802.11a – 5745MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7167.48	50.16	5.13	-7.74	47.55	Peak Max	V	210	294	74	-26.45	Pass
11490.65	53.91	6.07	-2.79	57.19	Peak Max	H	216	31	74	-16.81	Pass
13085.70	55.85	6.93	-1.79	60.99	Peak Max	V	170	146	74	-13.01	Pass
7167.48	35.72	5.13	-7.74	33.11	Average Max	V	210	294	54	-20.89	Pass
11490.65	38.93	6.07	-2.79	42.21	Average Max	H	216	31	54	-11.79	Pass
13085.70	41.17	6.93	-1.79	46.31	Average Max	V	170	146	54	-7.69	Pass

1GHz-40GHz - 802.11a– 5785MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7256.56	49.59	5.16	-7.71	47.04	Peak Max	H	212	294	74	-26.96	Pass
11569.55	53.39	6.13	-2.68	56.84	Peak Max	H	218	27	74	-17.16	Pass
13041.04	54.69	6.92	-1.66	59.95	Peak Max	V	169	151	74	-14.05	Pass
7256.56	35.42	5.16	-7.71	32.87	Average Max	H	212	294	54	-21.13	Pass
11569.55	39.29	6.13	-2.68	42.74	Average Max	H	218	27	54	-11.26	Pass
13041.04	39.9	6.92	-1.66	45.16	Average Max	V	169	151	54	-8.84	Pass

1GHz-40GHz - 802.11a - 5825MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7574.55	50.08	5.16	-7.48	47.76	Peak Max	V	206	296	74	-26.24	Pass
11650.35	54.45	6.2	-2.52	58.13	Peak Max	V	221	32	74	-15.87	Pass
13976.45	55.76	7.27	-1.57	61.46	Peak Max	H	169	150	74	-12.54	Pass
7574.55	35.5	5.16	-7.48	33.18	Average Max	V	206	296	54	-20.82	Pass
11650.35	39.52	6.2	-2.52	43.2	Average Max	V	221	32	54	-10.8	Pass
13976.45	40.9	7.27	-1.57	46.6	Average Max	H	169	150	54	-7.4	Pass

1GHz-40GHz – 802.11ax-20M – 5745MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7675.58	50.79	5.19	-7.3	48.68	Peak Max	V	204	293	74	-25.32	Pass
11490.50	53.93	6.07	-2.79	57.21	Peak Max	H	220	28	74	-16.79	Pass
13960.43	56.41	7.26	-1.58	62.09	Peak Max	H	161	154	74	-11.91	Pass
7675.58	36.24	5.19	-7.3	34.13	Average Max	V	204	293	54	-19.87	Pass
11490.50	39.93	6.07	-2.79	43.21	Average Max	H	220	28	54	-10.79	Pass
13960.43	41.2	7.26	-1.58	46.88	Average Max	H	161	154	54	-7.12	Pass

1GHz-40GHz - 802.11ax-20M– 5785MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7886.45	50.47	5.33	-7.13	48.67	Peak Max	V	208	197	74	-25.33	Pass
11569.67	53.38	6.13	-2.68	56.83	Peak Max	V	215	131	74	-17.17	Pass
13580.40	55.39	7.07	-1.53	60.93	Peak Max	H	164	145	74	-13.07	Pass
7886.45	35.96	5.33	-7.13	34.16	Average Max	V	208	197	54	-19.84	Pass
11569.67	39.02	6.13	-2.68	42.47	Average Max	V	215	131	54	-11.53	Pass
13580.40	41.18	7.07	-1.53	46.72	Average Max	H	164	145	54	-7.28	Pass

1GHz-40GHz - 802.11ax-20M - 5825MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7460.43	51.25	5.13	-7.56	48.82	Peak Max	V	113	295	74	-25.18	Pass
11650.95	54.26	6.2	-2.52	57.94	Peak Max	V	192	228	74	-16.06	Pass
13096.86	55.54	6.94	-1.82	60.66	Peak Max	H	255	151	74	-13.34	Pass
7460.43	36.99	5.13	-7.56	34.56	Average Max	V	113	295	54	-19.44	Pass
11650.95	39.83	6.2	-2.52	43.51	Average Max	V	192	228	54	-10.49	Pass
13096.86	40.95	6.94	-1.82	46.07	Average Max	H	255	151	54	-7.93	Pass

1GHz-40GHz – 802.11ax-40M – 5755MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7801.99	50.95	5.26	-7.2	49.01	Peak Max	H	209	293	74	-24.99	Pass
11509.35	54.03	6.08	-2.77	57.34	Peak Max	H	220	230	74	-16.66	Pass
13057.31	56.01	6.92	-1.71	61.22	Peak Max	V	163	147	74	-12.78	Pass
7801.99	36.69	5.26	-7.2	34.75	Average Max	H	209	293	54	-19.25	Pass
11509.35	39.47	6.08	-2.77	42.78	Average Max	H	220	230	54	-11.22	Pass
13057.31	40.38	6.92	-1.71	45.59	Average Max	V	163	147	54	-8.41	Pass

1GHz-40GHz - 802.11ax-40M– 5795MHz

Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7481.92	50.37	5.13	-7.54	47.96	Peak Max	H	211	301	74	-26.04	Pass
11590.65	55.17	6.15	-2.65	58.67	Peak Max	H	217	283	74	-15.33	Pass
13842.60	56.21	7.18	-1.68	61.71	Peak Max	V	168	149	74	-12.29	Pass
7481.92	36	5.13	-7.54	33.59	Average Max	H	211	301	54	-20.41	Pass
11590.65	40.74	6.15	-2.65	44.24	Average Max	H	217	283	54	-9.76	Pass
13842.60	40.75	7.18	-1.68	46.25	Average Max	V	168	149	54	-7.75	Pass
















1GHz-40GHz - 802.11ax-80M - 5775MHz








Frequency MHz	Raw dBuV/m	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
7019.29	50.83	5.09	-7.8	48.12	Peak Max	V	207	213	74	-25.88	Pass
11549.15	53.65	6.11	-2.71	57.05	Peak Max	H	215	229	74	-16.95	Pass
13431.84	56.22	7.04	-1.62	61.64	Peak Max	V	164	147	74	-12.36	Pass
7019.29	36.06	5.09	-7.8	33.35	Average Max	V	207	213	54	-20.65	Pass
11549.15	39.36	6.11	-2.71	42.76	Average Max	H	215	229	54	-11.24	Pass
13431.84	40.36	7.04	-1.62	45.78	Average Max	V	164	147	54	-8.22	Pass

Annex A. TEST INSTRUMENT

Instrument	Model	Serial #	Cal Date	Cal Cycle	Cal Due	In use
Conducted Emissions						
R & S Receiver	ESIB 40	100179	08/28/2018	1 Year	08/28/2019	<input checked="" type="checkbox"/>
LISN	3816/2NM	214372	01/10/2019	1 Year	01/10/2020	<input checked="" type="checkbox"/>
Radiated Emissions						
Keysight EXA 44GHz Spectrum Analyzer	N9030B(PXA)	MY57140374	08/20/2018	1 Year	08/20/2019	<input checked="" type="checkbox"/>
Bi-Log antenna (30MHz~6GHz)	JB6	A111717	08/12/2018	1 Year	08/12/2019	<input checked="" type="checkbox"/>
Horn Antenna (1GHz~26GHz)	3115	100059	01/26/2019	1 Year	01/26/2020	<input checked="" type="checkbox"/>
Horn Antenna (26GHz~40GHz)	AH-840	101013	08/28/2018	1 Year	08/28/2019	<input checked="" type="checkbox"/>
Pre-Amplifier(0.3MHz-6.5GHz)	LPA-6-30	11170602	02/06/2019	1 Year	02/06/2020	<input checked="" type="checkbox"/>
Pre-Amplifier (1-26.5GHz)	8449B	3008A00715	08/16/2018	1 Year	08/16/2019	<input checked="" type="checkbox"/>
Pre-Amp (10MHz~50GHz)	RAMP00M50GA	17032300047	02/10/2019	1 Year	02/10/2020	<input checked="" type="checkbox"/>
RF Conducted Measurement						
50GHz Spectrum Analyzer	N9030B (PXA)	MY57140584	10/08/2018	1 Year	10/08/2019	<input checked="" type="checkbox"/>

Annex B. SIEMIC Accreditation

Accreditations	Document	Scope / Remark
ISO 17025 (A2LA)		Please see the documents for the detailed scope
ISO Guide 65 (A2LA)		Please see the documents for the detailed scope
TCB Designation		A1 , A2 , A3 , A4 , B1 , B2 , B3 , B4 , C
FCC DoC Accreditation		FCC Declaration of Conformity Accreditation
FCC Site Registration		3 meter site
FCC Site Registration		10 meter site
IC Site Registration		3 meter site
IC Site Registration		10 meter site
EU NB		Radio & Telecommunications Terminal Equipment: EN45001 – EN ISO/IEC 17025
		Electromagnetic Compatibility: EN45001 – EN ISO/IEC 17025
Singapore iDA CB(Certification Body)		Phase I , Phase II
Vietnam MIC CAB Accreditation		Please see the document for the detailed scope
Hong Kong OFCA		(Phase II) OFCA Foreign Certification Body for Radio and Telecom
		(Phase I) Conformity Assessment Body for Radio and Telecom
Industry Canada CAB		Radio: Scope A – All Radio Standard Specification in Category I
		Telecom: CS-03 Part I, II, V, VI, VII, VIII

Japan Recognized Certification Body Designation		<p>Radio: A1. Terminal equipment for purpose of calling</p> <p>Telecom: B1. Specified radio equipment specified in Article 38-2, Paragraph 1, Item 1 of the Radio Law</p>
Korea CAB Accreditation		<p>EMI: KCC Notice 2008-39, RRL Notice 2008-3: CA Procedures for EMI KN22: Test Method for EMI</p> <p>EMS: KCC Notice 2008-38, RRL Notice 2008-4: CA Procedures for EMS KN24, KN61000-4-2, -4-3, -4-4, -4-5, -4-6, -4-8, -4-11: Test Method for EMS</p> <p>Radio: RRL Notice 2008-26, RRL Notice 2008-2, RRL Notice 2008-10, RRL Notice 2007-49, RRL Notice 2007-20, RRL Notice 2007-21, RRL Notice 2007- 80, RRL Notice 2004-68</p> <p>Telecom: President Notice 20664, RRL Notice 2007-30, RRL Notice 2008-7 with attachments 1, 3, 5, 6; President Notice 20664, RRL Notice 2008-7 with attachment 4</p>
Taiwan NCC CAB Recognition		LP0002, PSTN01, ADSL01, ID0002, IS6100, CNS14336, PLMN07, PLMN01, PLMN08
Taiwan BSMI CAB Recognition		CNS 13438
Japan VCCI		<p>R-3083: Radiation 3 meter site</p> <p>C-3421: Main Ports Conducted Interference Measurement</p> <p>T-1597: Telecommunication Ports Conducted Interference Measurement</p>
Australia CAB Recognition		<p>EMC: AS/NZS CISPR 11, AS/NZS CISPR 14.1, AS/NZS CISPR22, AS/NZS 61000.6.3, AS/NZS 61000.6.4</p> <p>Radio communications: AS/NZS 4281, AS/NZS 4268, AS/NZS 4280.1, AS/NZS 4280.2, AS/NZS 4295, AS/NZS 4582, AS/NZS 4583, AS/NZS 4769.1, AS/NZS 4769.2, AS/NZS 4770, AS/NZS 4771</p> <p>Telecommunications: AS/ACIF S002:05, AS/ACIF S003:06, AS/ACIF S004:06 AS/ACIF S006:01, AS/ACIF S016:01, AS/ACIF S031:01, AS/ACIF S038:01, AS/ACIF S040:01, AS/ACIF S041:05, AS/ACIF S043.2:06, AS/ACIF S60950.1</p>
Australia NATA Recognition		AS/ACIF S002, AS/ACIF S003, AS/ACIF S004, AS/ACIF S006, AS/ACIF S016, AS/ACIF S031, AS/ACIF S038, AS/ACIF S040, AS/ACIF S041, AS/ACIF S043.2