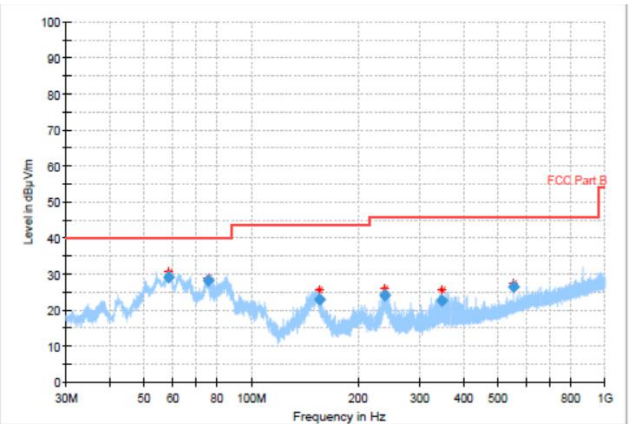
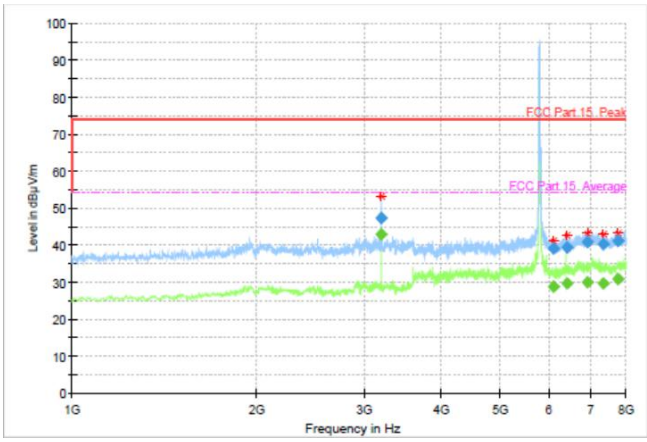
Radiated Spurious Emission (802.11n-HT40, ch159, 30MHz-1GHz)	Radiated Spurious Emission (802.11n-HT40, ch159, 1GHz-8GHz))
	
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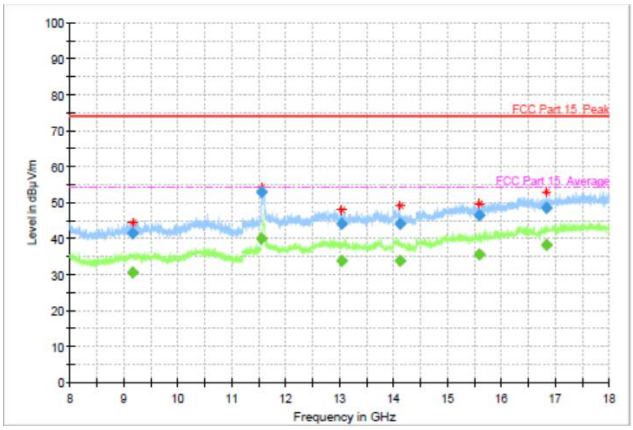
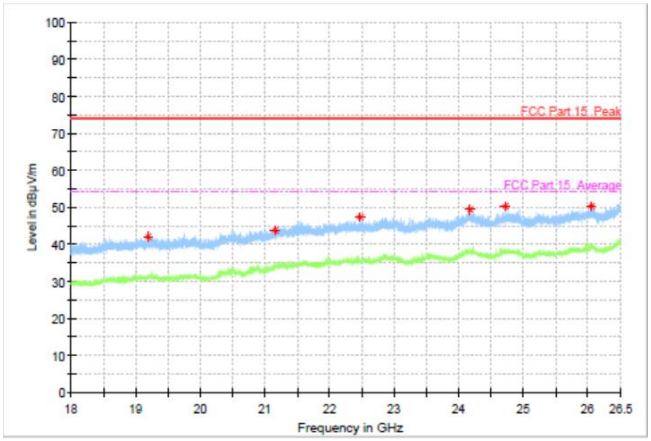
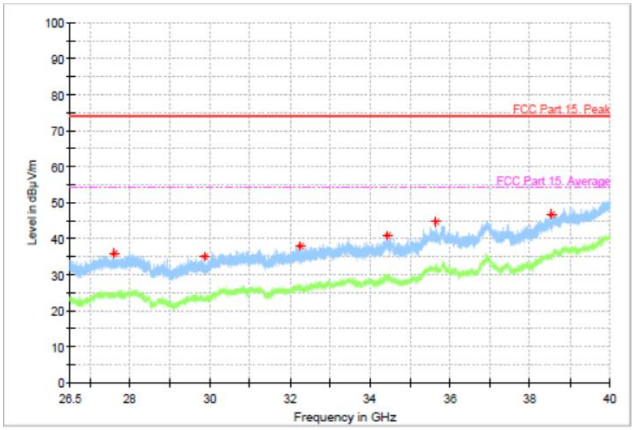
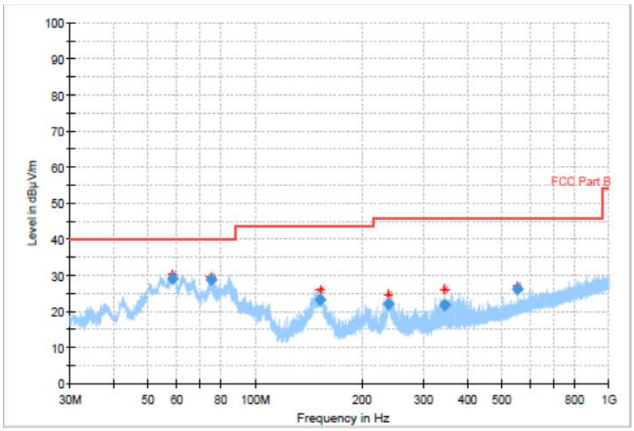
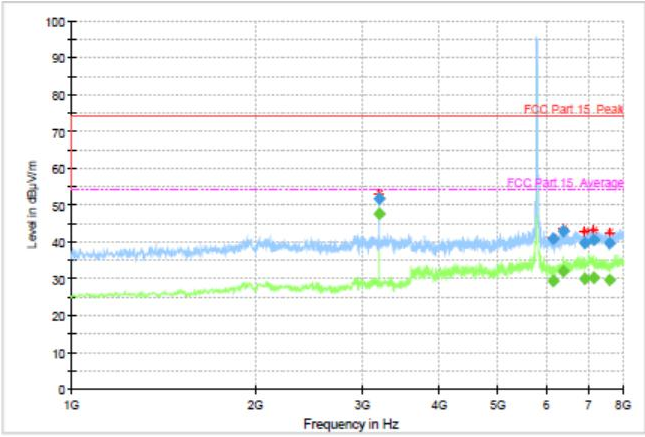
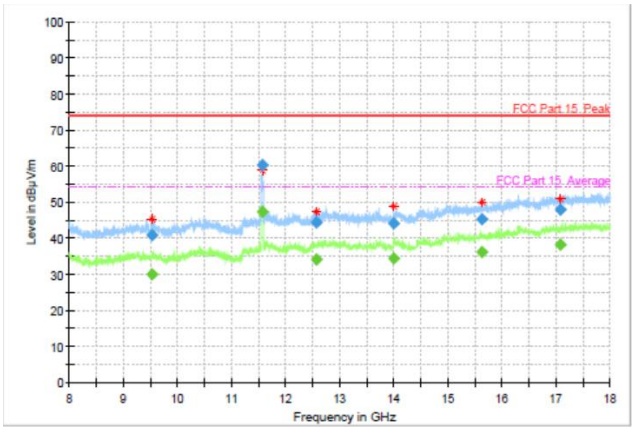
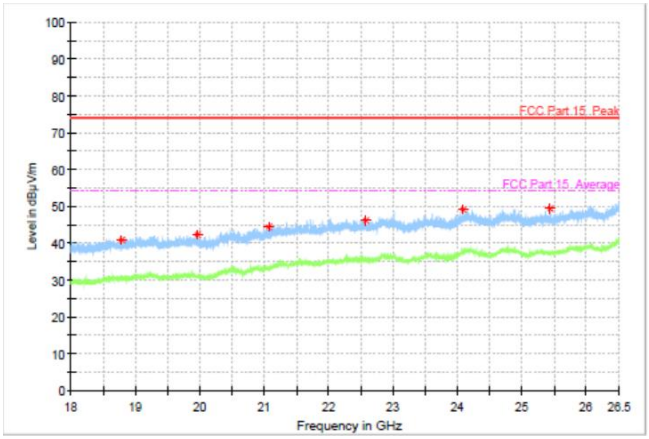
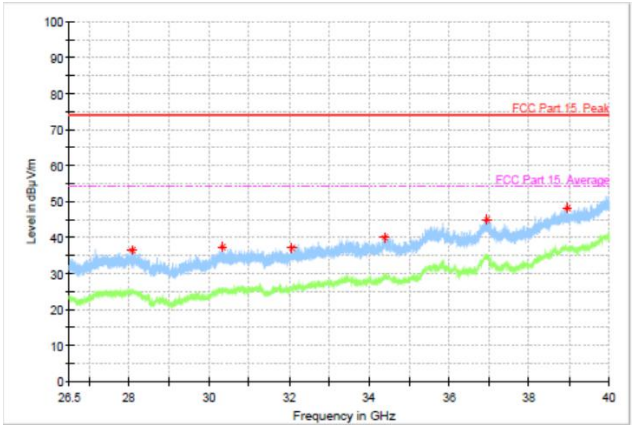
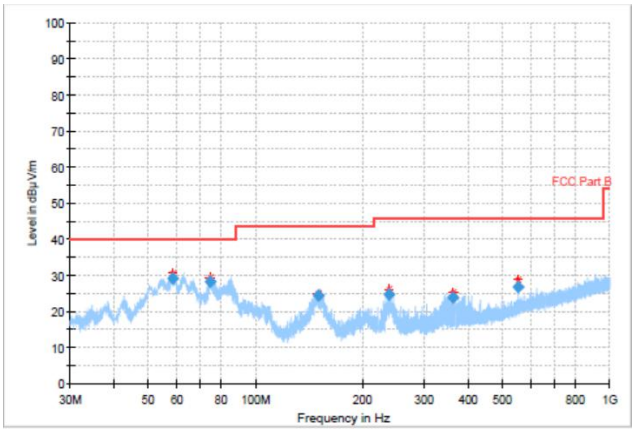
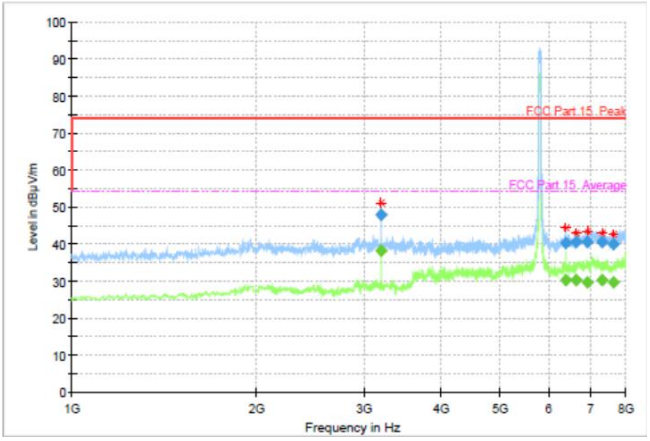
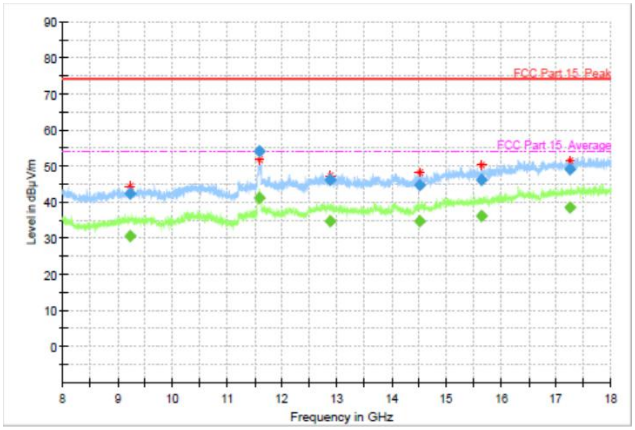
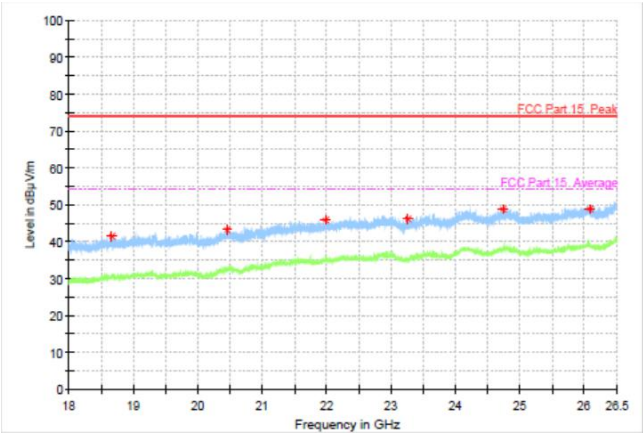
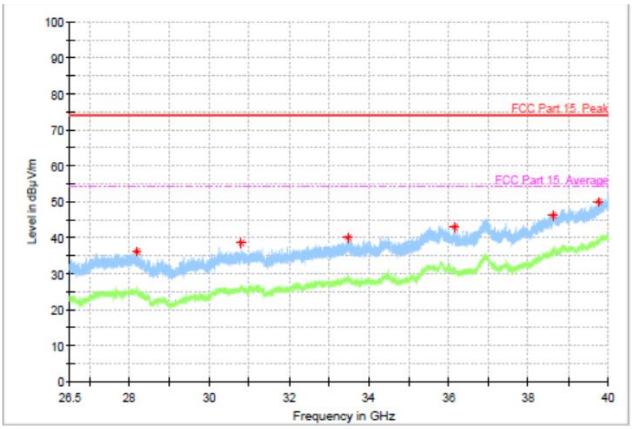
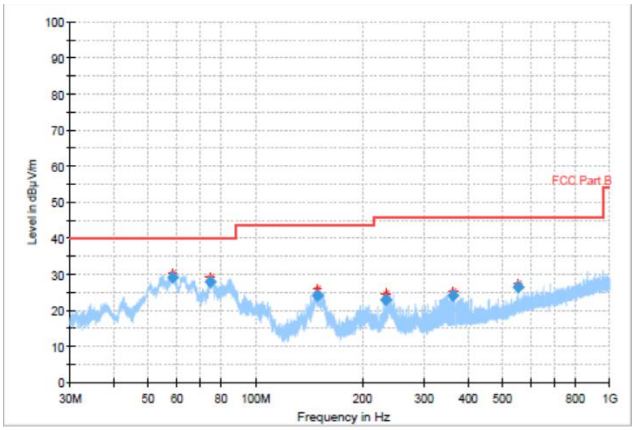
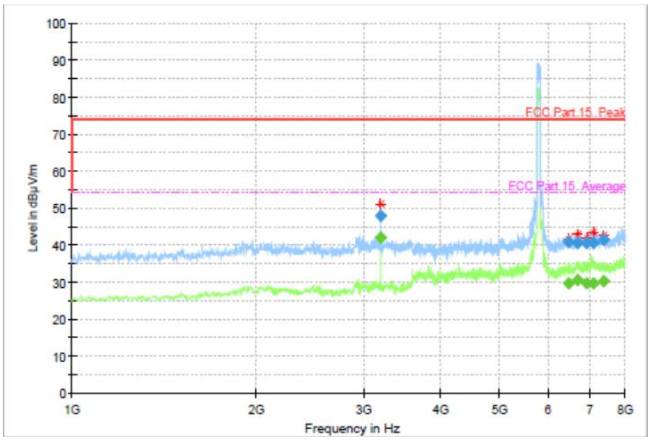
	
Radiated Spurious Emission (802.11n-HT20, ch157, 25.6GHz-40GHz)	/
	/

Radiated Spurious Emission (802.11ac-HT20, ch157, 30MHz-1GHz)	Radiated Spurious Emission (802.11ac-HT20, ch157, 1GHz-8GHz))
	
Radiated Spurious Emission (802.11ac-HT20, ch157, 8GHz-18GHz)	Radiated Spurious Emission (802.11ac-HT20, ch157, 18GHz-25.6GHz)
	
Radiated Spurious Emission (802.11ac-HT20, ch157, 25.6GHz-40GHz)	/
	/

Radiated Spurious Emission (802.11ac-HT40, ch159, 30MHz-1GHz)	Radiated Spurious Emission (802.11ac-HT40, ch159, 1GHz-8GHz)
	
Radiated Spurious Emission (802.11ac-HT40, ch159, 8GHz-18GHz)	Radiated Spurious Emission (802.11ac-HT40, ch159, 18GHz-25.6GHz)
	
Radiated Spurious Emission (802.11ac-HT40, ch159, 25.6GHz-40GHz)	/
	/

Radiated Spurious Emission (802.11ac-HT80, ch155, 30MHz-1GHz)	Radiated Spurious Emission (802.11ac-HT80, ch155, 1GHz-8GHz)
	
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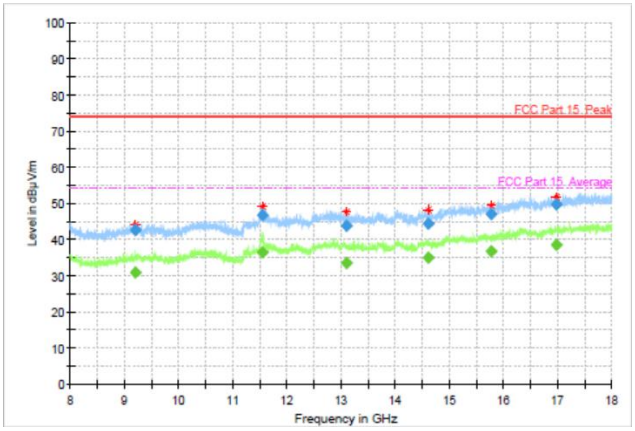
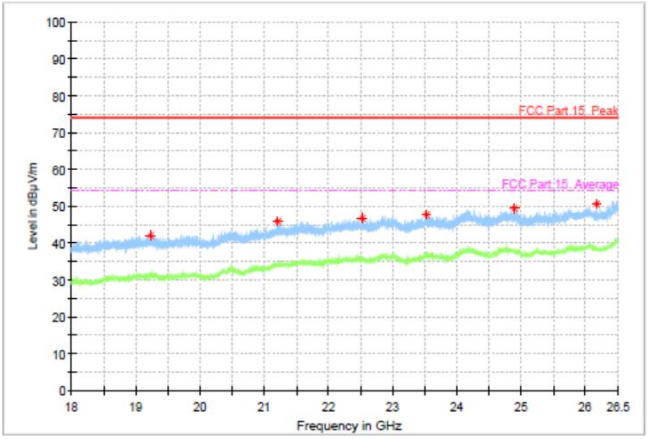
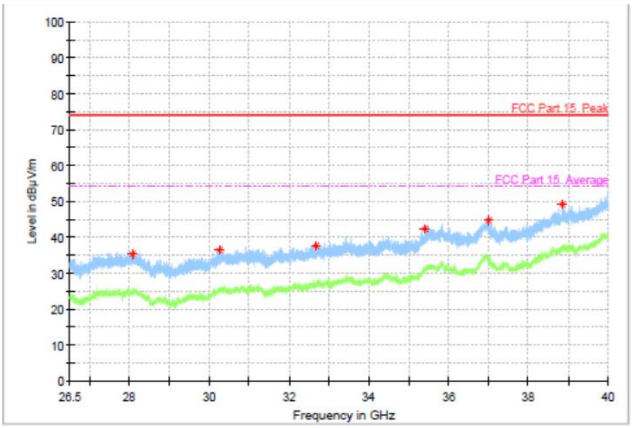
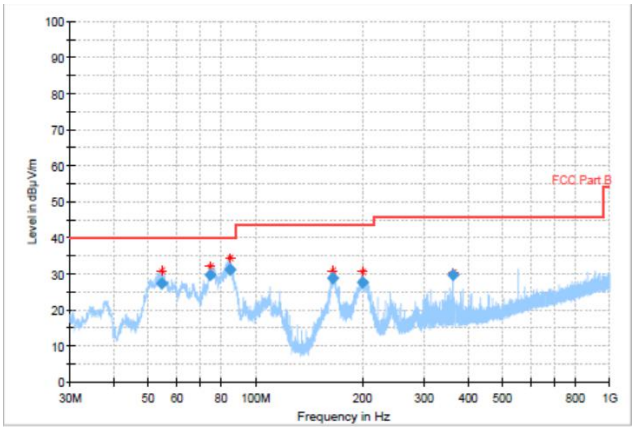
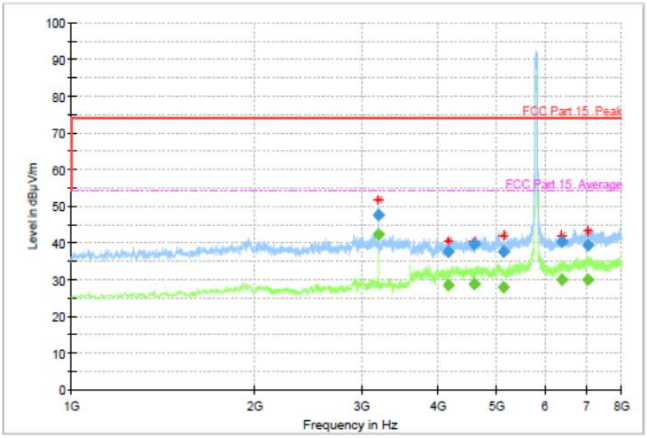
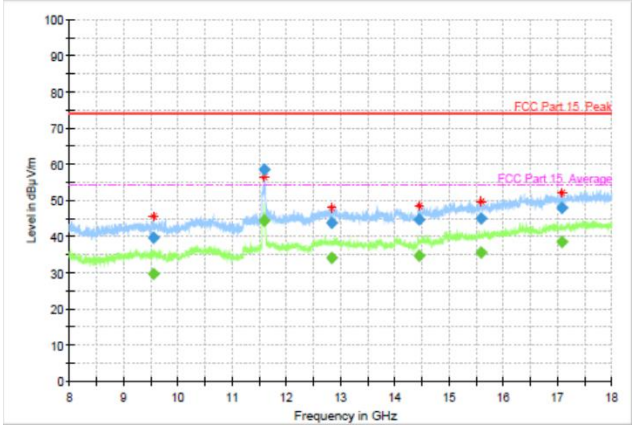
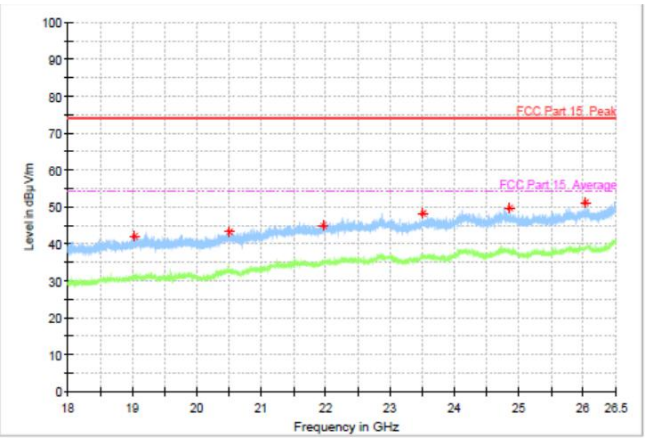
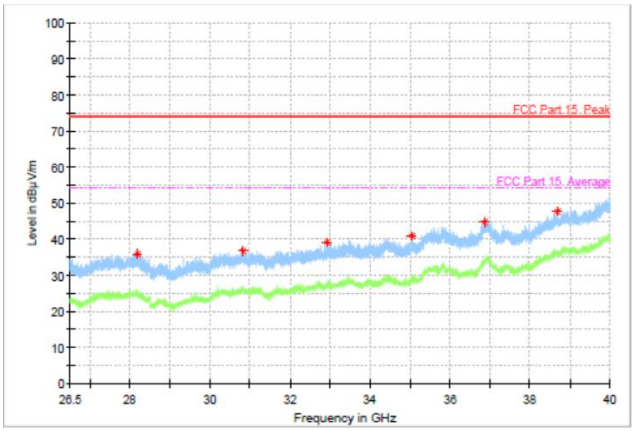
	
Radiated Spurious Emission (802.11ac-HT80, ch155, 25.6GHz-40GHz)	/
	/

Radiated Spurious Emission (802.11ac-HT40, ch159, 30MHz-1GHz)	Radiated Spurious Emission (802.11ac-HT40, ch159, 1GHz-8GHz)
	
Radiated Spurious Emission (802.11ac-HT40, ch159, 8GHz-18GHz)	**Radiated Spurious Emission (802.11ac-HT40, ch159, 18GHz-25.6GHz)**
	
Radiated Spurious Emission (802.11ac-HT40, ch159, 25.6GHz-40GHz)	/
	/

802.11a mode

Channel 149 (30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
54.48	29.03	-15.8	44.83	V
62.28	28.64	-17	45.64	V
75.01	28.84	-19.6	48.44	V
152.43	25.1	-19.2	44.3	H
233.47	23.32	-14.2	37.52	V
342.93	22.35	-11.2	33.55	V

Channel 149 (1GHz-8GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3192	51.88	1.7	50.18	V
6129.4	39.12	3.4	35.72	V
6390.8	39.48	3.5	35.98	V
6702.6	39.93	4.5	35.43	V
7048.4	39.77	5	34.77	H
7511.4	38.07	4	34.07	H

Channel 149 (1GHz-8GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3192	46.73	1.7	45.03	V
6129.4	28.67	3.4	25.27	V
6390.8	29.32	3.5	25.82	V
6702.6	30.35	4.5	25.85	V
7048.4	30.33	5	25.33	H
7511.4	28.72	4	24.72	H

Channel 149 (8GHz-18GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9126	40.68	5.4	35.28	V
10683.2	42.35	8	34.35	H
11500.6	62.21	9.8	52.41	H
12754.6	44.08	11.7	32.38	V
14007	43.52	12.7	30.82	V
15539.8	44.85	15.4	29.45	H

Channel 149 (8GHz-18GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9126	31.1	5.4	25.7	V
10683.2	32.02	8	24.02	H
11500.6	47.87	9.8	38.07	H
12754.6	34.17	11.7	22.47	V
14007	34.19	12.7	21.49	V
15539.8	35.65	15.4	20.25	H

Channel 149 (18GHz-25.6GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
18606.05	41.39	-4.7	46.09	V
20375.75	43.14	-3.7	46.84	V
21843.70	45.39	-2.4	47.79	V
23091.50	46.86	-2	48.86	H
24176.95	49.04	0	49.04	H
25455.35	48.85	-1	49.85	H

Channel 149 (25.6GHz-40GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
27962.05	36.18	-0.3	36.48	H
31015.75	38.11	1.8	36.31	V
32961.10	38.86	4.1	34.76	V
34865.95	39.62	3.5	36.12	H
36830.20	45.08	8.5	36.58	V
38875.45	47.21	11.5	35.71	H

802.11n-HT20 mode

Channel 165(30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
58.57	28.56	-16.3	44.86	V
74.44	27.8	-19.5	47.3	V
84.66	29	-19.5	48.5	V
147.45	23.98	-19.6	43.58	H
241.34	19.35	-14.2	33.55	V
343.03	23.79	-11.2	34.99	V

Channel 165 (1GHz-8GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3191.8	51.97	1.7	50.27	V
6383.4	42.16	3.5	38.66	H
6783.4	39.54	4.1	35.44	H

7073.6	40.41	4.9	35.51	V
7453.2	40.11	4.2	35.91	H
7837.4	41.41	4.7	36.71	V

Channel 165 (1GHz-8GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3191.8	44.09	1.7	42.39	V
6383.4	31.37	3.5	27.87	H
6783.4	30.09	4.1	25.99	H
7073.6	30.54	4.9	25.64	V
7453.2	29.77	4.2	25.57	H
7837.4	30.79	4.7	26.09	V

Channel 165 (8GHz-18GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9422	40.35	6.3	34.05	H
11650.2	58.8	10.4	48.4	H
12851.8	43.71	12	31.71	V
14609	45.01	13.3	31.71	V
16095.8	48.06	16.5	31.56	H
17202.6	50.09	18.3	31.79	H

Channel 165 (8GHz-18GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9422	30	6.3	23.7	H
11650.2	47.23	10.4	36.83	H
12851.8	33.98	12	21.98	V
14609	34.72	13.3	21.42	V
16095.8	37.3	16.5	20.8	H
17202.6	38.52	18.3	20.22	H

Channel 165 (18GHz-25.6GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
18837.25	41.58	-4.8	46.38	V
19940.55	43.27	-4.5	47.77	H
21535.15	45.78	-2.1	47.88	H
23269.15	46.22	-0.9	47.12	V
25351.65	48.89	-0.3	49.19	V
26366.55	49.78	0.3	49.48	H

Channel 165 (25.6GHz-40GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
27234.40	34.95	-0.7	35.65	H
29524.00	36.75	0	36.75	H
32774.80	38.93	3.9	35.03	H

35442.40	41.98	6.1	35.88	V
36858.55	45.57	8.5	37.07	H
38920.00	48.26	11.7	36.56	H

802.11n-HT40 mode

Channel 159(30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
58.49	29.16	-16.3	45.46	V
75.66	28.13	-19.8	47.93	V
155.58	22.84	-18.8	41.64	H
237.59	24.21	-14.2	38.41	H
345.90	22.51	-11.2	33.71	V
552.01	26.36	-6	32.36	H

Channel 159 (1GHz-8GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3192.2	47.33	1.7	45.63	V
6095.2	39.08	3.2	35.88	V
6426	39.42	3.5	35.92	V
6915	40.74	4.5	36.24	H
7335.8	40.18	4.6	35.58	V
7778.6	41.27	4.9	36.37	V

Channel 159 (1GHz-8GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3192.2	47.33	1.7	45.63	V
6095.2	39.08	3.2	35.88	V
6426	39.42	3.5	35.92	V
6915	40.74	4.5	36.24	H
7335.8	40.18	4.6	35.58	V
7778.6	41.27	4.9	36.37	V

Channel 159 (8GHz-18GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9162.2	41.43	5.4	36.03	V
11561.2	53.04	10.1	42.94	H
13046.4	44.04	11.6	32.44	H
14116.4	43.98	12.7	31.28	V
15586.6	46.34	15.5	30.84	V
16835	48.45	18.1	30.35	V

Channel 159 (8GHz-18GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9162.2	30.56	5.4	25.16	V
11561.2	40.1	10.1	30	H
13046.4	33.75	11.6	22.15	H
14116.4	33.79	12.7	21.09	V
15586.6	35.47	15.5	19.97	V
16835	38.19	18.1	20.09	V

Channel 159 (18GHz-25.6GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
19197.65	42.18	-4.6	46.78	V
21153.50	43.94	-3.2	47.14	H
22467.60	47.27	-1.8	49.07	V
24173.55	49.33	0	49.33	V
24709.90	50.25	0.4	49.85	H
26041.00	50.37	-0.9	51.27	V

Channel 159 (25.6GHz-40GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
27613.75	35.94	0.1	35.84	H
29866.9	35.11	0.3	34.81	H
32245.6	37.82	2.6	35.22	V
34444.75	40.83	4.5	36.33	H
35635.45	44.65	6.4	38.25	H
38535.25	46.89	10	36.89	V

802.11ac-HT20 mode

Channel 157 (30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
58.505912	29.06	-16.3	45.36	V
75.056804	28.78	-19.7	48.48	V
152.401804	23.15	-19.2	42.35	H
238.705656	21.99	-14.2	36.19	H
342.853184	21.91	-11.2	33.11	V
551.998036	26.03	-6	32.03	H

Channel 157 (1GHz-8GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3192	51.79	1.7	50.09	V
6136	40.76	3.4	37.36	V
6383.8	42.83	3.5	39.33	H
6919.8	39.69	4.5	35.19	V
7153.4	40.64	4.7	35.94	V
7610.6	39.85	4.2	35.65	V

Channel 157 (1GHz-8GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3192	47.65	1.7	45.95	V
6136	29.51	3.4	26.11	V
6383.8	32.2	3.5	28.7	H
6919.8	29.96	4.5	25.46	V
7153.4	30.35	4.7	25.65	V
7610.6	29.56	4.2	25.36	V

Channel 157 (8GHz-18GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9532.8	40.97	6.2	34.77	V
11568.8	60.25	10.2	50.05	H
12574.4	44.4	11.2	33.2	H
14007.6	44.22	12.7	31.52	V
15625	45.21	15.6	29.61	H
17076	48.01	18.1	29.91	H

Channel 157 (8GHz-18GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9532.8	30.14	6.2	23.94	V
11568.8	47.49	10.2	37.29	H
12574.4	34.13	11.2	22.93	H
14007.6	34.37	12.7	21.67	V
15625	36.03	15.6	20.43	H
17076	38.22	18.1	20.12	H

Channel 157 (18GHz-25.6GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
18795.6	41	-5	46	H
19971.15	42.46	-4.6	47.06	V
21069.35	44.3	-3.2	47.5	H
22578.95	46.32	-1.9	48.22	V
24083.45	49.16	-0.1	49.26	V
25434.1	49.49	-0.8	50.29	H

Channel 157 (25.6GHz-40GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
28060.6	36.36	0.6	35.76	H
30319.15	37.42	1.1	36.32	V
32059.3	37.11	2.2	34.91	H
34392.1	40.04	4.6	35.44	H
36928.75	45.14	8.3	36.84	H
38952.4	48.1	11.8	36.3	V

802.11ac-HT40 mode

Channel 159 (30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
58.53	29.19	-16.3	45.49	V
74.69	28.23	-19.6	47.83	V
150.20	24.34	-19.5	43.84	H
237.57	24.7	-14.2	38.9	H
360.03	23.95	-10.8	34.75	H
552.00	26.86	-6	32.86	H

Channel 159 (1GHz-8GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3191.4	47.96	1.7	46.26	V
6383.8	40.27	3.5	36.77	H
6630.2	40.5	4	36.5	H
6923.6	40.73	4.5	36.23	V
7309.2	40.63	4.7	35.93	V
7642.6	40.01	4.3	35.71	H

Channel 159 (1GHz-8GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3191.4	38.11	1.7	36.41	V
6383.8	30.21	3.5	26.71	H
6630.2	30.36	4	26.36	H

6923.6	29.7	4.5	25.2	V
7309.2	30.19	4.7	25.49	V
7642.6	29.72	4.3	25.42	H

Channel 159 (8GHz-18GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9235.8	42.3	5.6	36.7	V
11591.6	54	10.2	43.8	H
12871	46.12	12	34.12	H
14511.6	44.84	13.1	31.74	H
15641.6	46.07	15.6	30.47	H
17246.6	49.25	18.4	30.85	H

Channel 159 (8GHz-18GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9235.8	30.7	5.6	25.1	V
11591.6	41.13	10.2	30.93	H
12871	34.62	12	22.62	H
14511.6	34.73	13.1	21.63	H
15641.6	36.18	15.6	20.58	H
17246.6	38.49	18.4	20.09	H

Channel 159 (18GHz-25.6GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
18666.40	41.52	-4.9	46.42	V
20448.85	43.17	-3.1	46.27	V
21980.55	45.97	-2.1	48.07	V
23249.60	46.09	-1	47.09	V
24723.50	48.88	0.5	48.38	H
26076.70	48.72	-0.7	49.42	V

Channel 159 (25.6GHz-40GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
28179.40	36.12	0.7	35.42	V
30799.75	38.47	-0.1	38.57	H
33470.05	40.12	4.6	35.52	V
36148.45	43	6.1	36.9	V
38614.90	46.18	10.5	35.68	H
39747.55	50.03	13.4	36.63	H

802.11ac-HT80 mode

Channel 155 (30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
58.57	29.09	-16.3	45.39	V
74.44	28.01	-19.5	47.51	V
149.58	24.04	-19.5	43.54	H
233.45	22.85	-14.2	37.05	V
359.98	24.16	-10.8	34.96	H
551.99	26.39	-6	32.39	H

Channel 155 (1GHz-8GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3191.8	47.84	1.7	46.14	V
6467.6	40.81	3.6	37.21	V
6683	40.7	4.5	36.2	V
6927	40.5	4.5	36	V
7097.4	40.46	4.9	35.56	H
7364.8	41.59	4.5	37.09	H

Channel 155 (1GHz-8GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3191.8	42.14	1.7	40.44	V
6467.6	29.75	3.6	26.15	V
6683	30.5	4.5	26	V
6927	29.65	4.5	25.15	V
7097.4	29.84	4.9	24.94	H
7364.8	30.44	4.5	25.94	H

Channel 155 (8GHz-18GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9200	42.72	5.5	37.22	V
11549.4	46.76	10.1	36.66	V
13097.2	43.9	11.4	32.5	V
14611	44.45	13.3	31.15	V
15775.2	46.98	16	30.98	H
16981.6	49.56	18.2	31.36	H

Channel 155 (8GHz-18GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9200	30.81	5.5	25.31	V
11549.4	36.43	10.1	26.33	V

13097.2	33.59	11.4	22.19	V
14611	34.93	13.3	21.63	V
15775.2	36.76	16	20.76	H
16981.6	38.61	18.2	20.41	H

Channel 155 (18GHz-25.6GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
19224.85	42.19	-4.7	46.89	V
21201.10	45.99	-3	48.99	V
22524.55	46.81	-1.9	48.71	H
23525.00	47.54	-1.4	48.94	H
24891.80	49.51	-0.2	49.71	H
26163.40	50.5	-0.3	50.8	V

Channel 155 (25.6GHz-40GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
28063.30	35.3	0.6	34.7	V
30239.50	36.53	1	35.53	V
32658.70	37.77	3.8	33.97	V
35411.35	42.35	6	36.35	H
36996.25	44.83	8.2	36.63	V
38852.50	49.15	11.5	37.65	V

Mainly Supply-24V

802.11ac-HT40 mode

Channel 159 (30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
54.22	27.26	-15.8	43.06	V
74.75	29.69	-19.6	49.29	V
84.69	31.06	-19.5	50.56	V
165.58	28.85	-17.7	46.55	H
200.05	27.55	-15.8	43.35	H
360.00	29.58	-10.8	40.38	H

Channel 159 (1GHz-8GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3191.8	47.54	1.7	45.84	V
4150.4	37.51	1.6	35.91	V
4583.2	39.58	1.9	37.68	H
5115.4	37.61	4.6	33.01	V
6381	40.27	3.5	36.77	V

7034.6	39.34	5.1	34.24	H

Channel 159 (1GHz-8GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3191.8	42.4	1.7	40.7	V
4150.4	28.55	1.6	26.95	V
4583.2	28.97	1.9	27.07	H
5115.4	28.01	4.6	23.41	V
6381	29.87	3.5	26.37	V
7034.6	29.98	5.1	24.88	H

Channel 159 (8GHz-18GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9548.2	39.67	6.3	33.37	V
11588.8	58.6	10.2	48.4	H
12842.6	43.87	11.9	31.97	V
14456	44.81	13	31.81	V
15598	45.14	15.5	29.64	V
17073	47.87	18.1	29.77	V

Channel 159 (8GHz-18GHz) (Average)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
9548.2	29.7	6.3	23.4	V
11588.8	44.27	10.2	34.07	H
12842.6	34.09	11.9	22.19	V
14456	34.76	13	21.76	V
15598	35.6	15.5	20.1	V
17073	38.43	18.1	20.33	V

Channel 159 (18GHz-25.6GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
19038.70	42.06	-4.4	46.46	H
20502.40	43.17	-2.9	46.07	H
21962.70	45.04	-2.1	47.14	V
23496.95	48.11	-1.3	49.41	H
24855.25	49.73	0	49.73	V
26029.10	51.27	-0.9	52.17	V

Channel 159 (25.6GHz-40GHz) (Peak)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
28168.60	35.93	0.8	35.13	H

30825.40	36.73	0.2	36.53	V
32930.05	39.22	4	35.22	V
35049.55	40.74	3	37.74	V
36857.20	44.75	8.5	36.25	V
38664.85	47.74	10.8	36.94	H

6.7. Band Edges Compliance

Band Edges - Radiated

6.7.1 Measurement Limit

(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 e.i.r.p. of −27 dBm/MHz.

(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 e.i.r.p. of −27 dBm/MHz.

(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 e.i.r.p. of −27 dBm/MHz.

(4) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(5) 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)).

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

(6) IC Restricted frequency bands:

MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 – 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 – 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	

25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 – 8500	
108 – 138		

6.7.2. Set the spectrum analyzer in the following

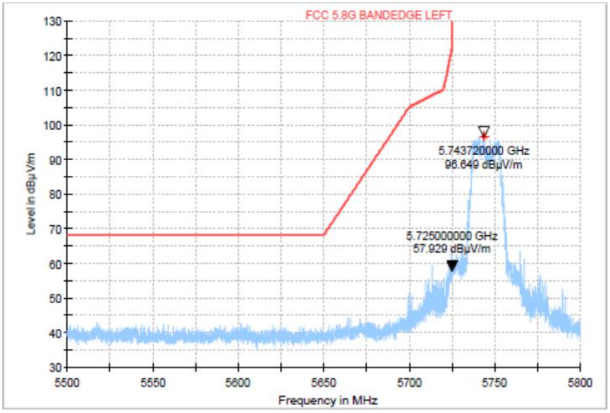
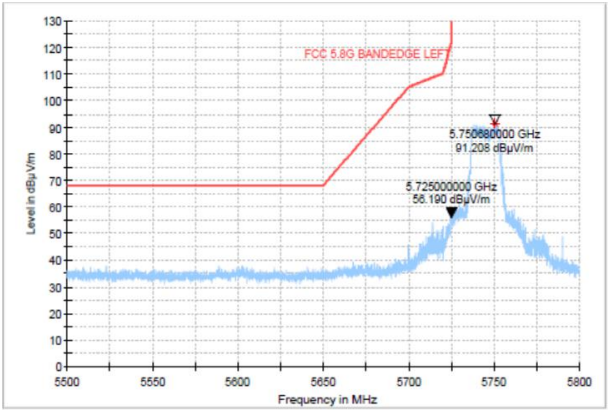
1. Sweep mode: SweepAnalyzer6db.
2. PEAK: RBW=1MHz / VBW=3MHz / Sweep=2.5ms，Sweep point;5001
3. AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=2.5ms，Sweep point;5001

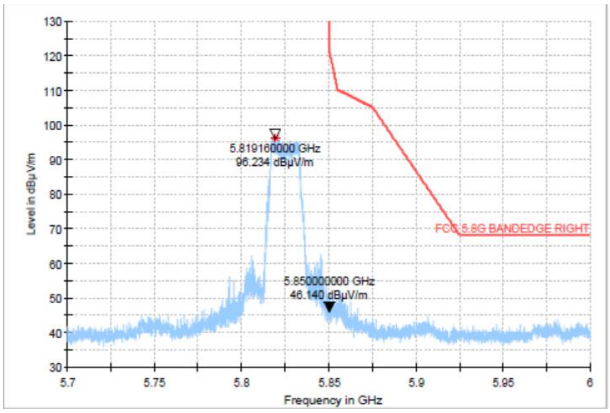
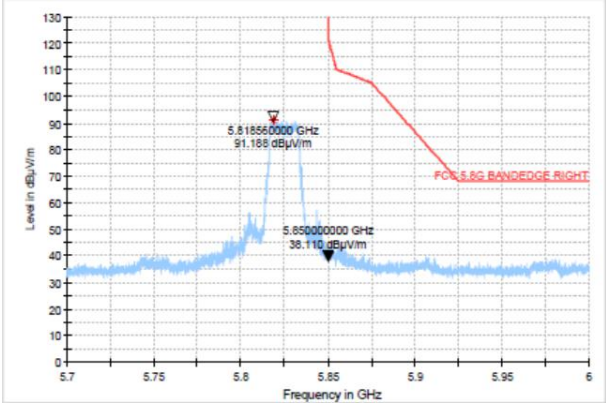
Measurement Result

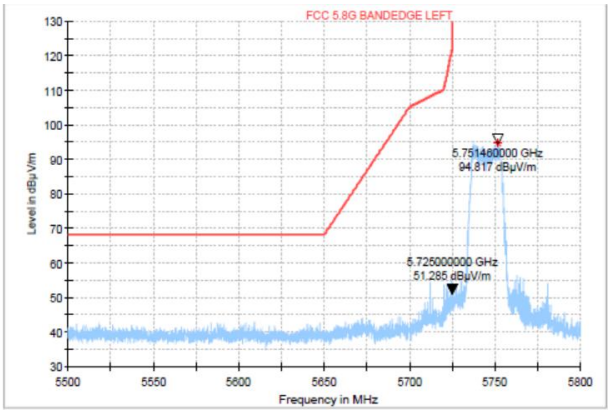
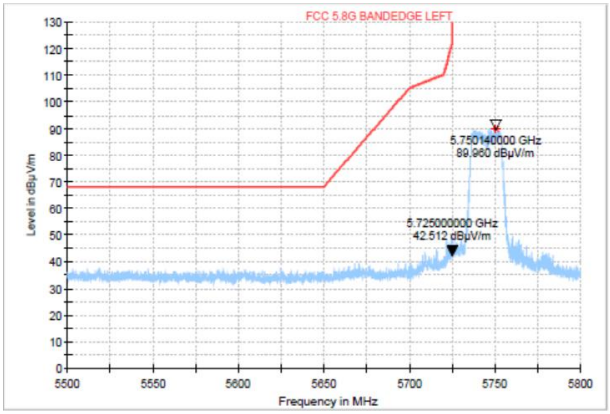
Mode	Channel	Conclusion
802.11a	149	P
	165	P
802.11n HT20	149	P
	165	P
802.11n HT40	151	P
	159	P
802.11ac HT20	149	P
	165	P
802.11ac HT40	151	P
	159	P
802.11ac HT80	155	P

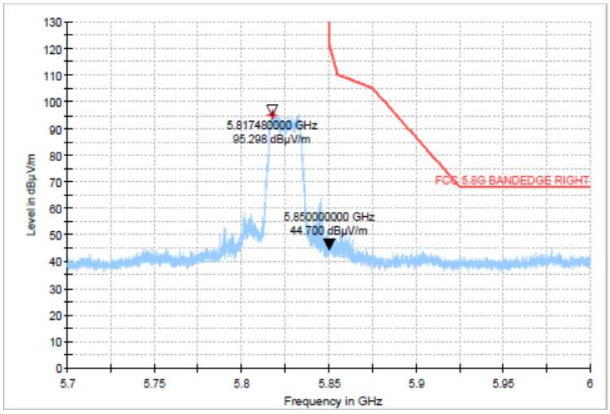
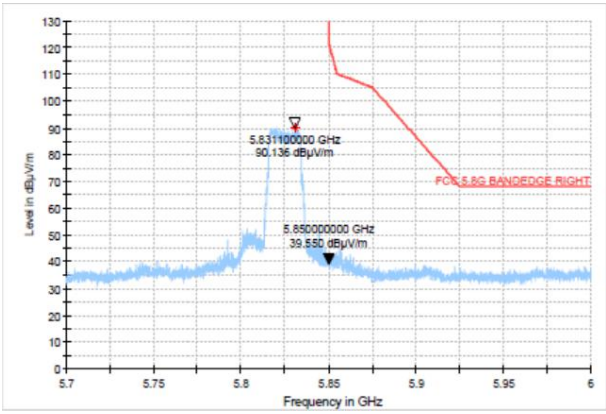
Test graphs as below:

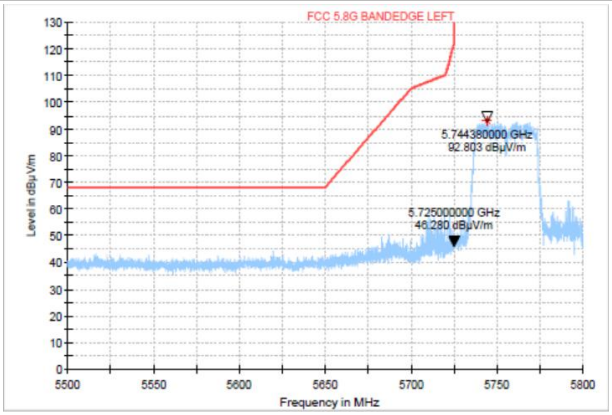
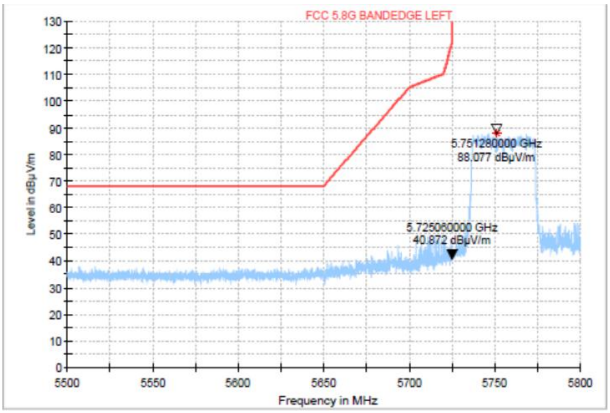
Mainly Supply

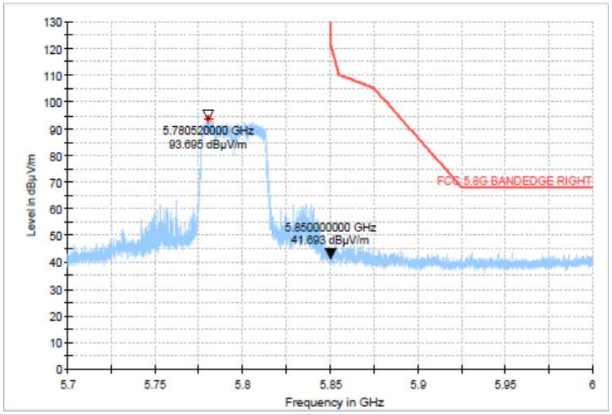
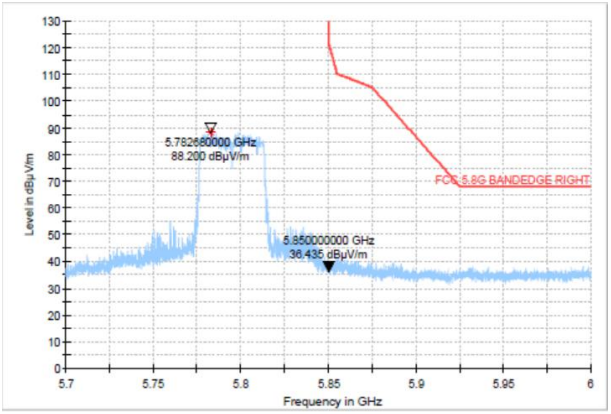
Band Edges (802.11a, CH149, 5745MHz)	
Peak	Average
	

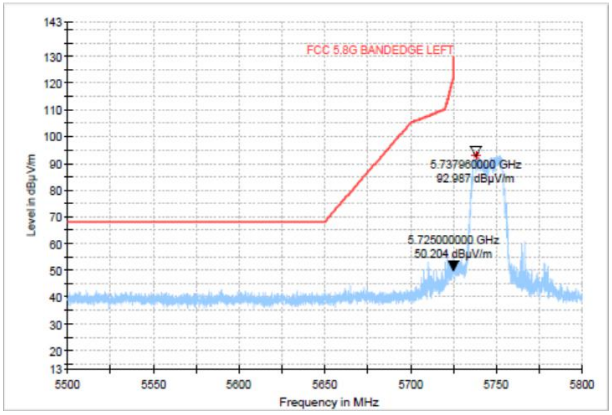
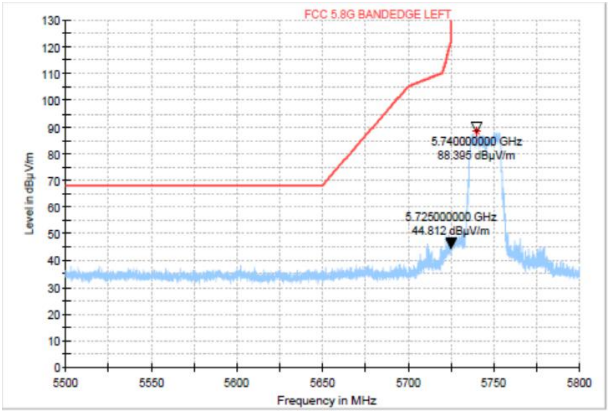
Band Edges (802.11a, CH165, 5825MHz)	
Peak	Average
	

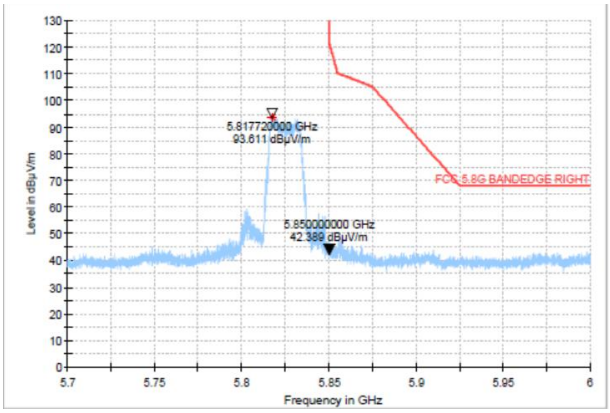
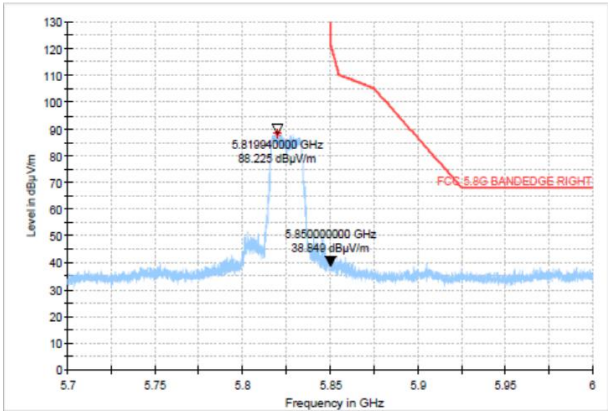
Band Edges (802.11n-HT20, CH149, 5745MHz)	
Peak	Average
	

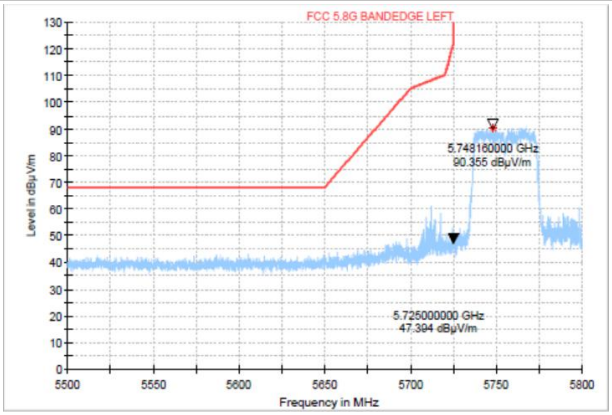
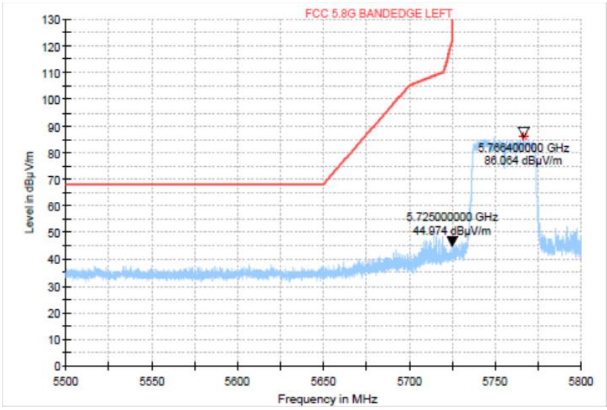
Band Edges (802.11n-HT20, CH165, 5825MHz)	
Peak	Average
	

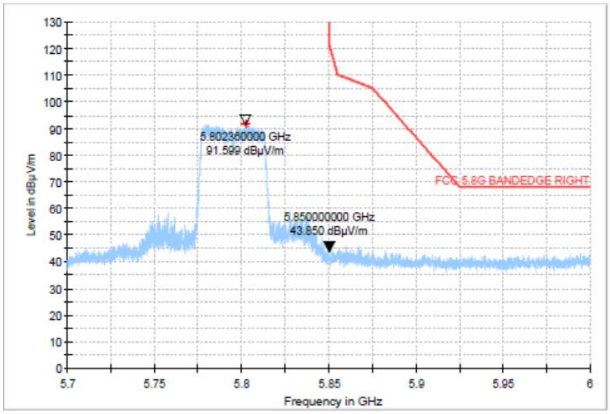
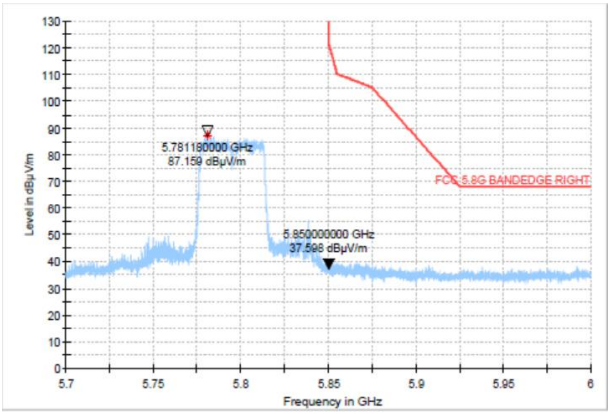
Band Edges (802.11n-HT40, CH151, 5755MHz)	
Peak	Average
	

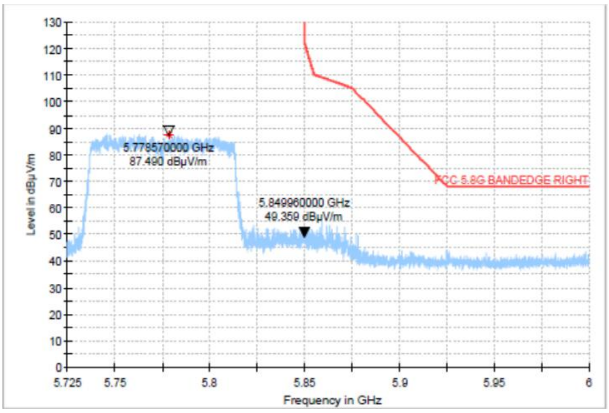
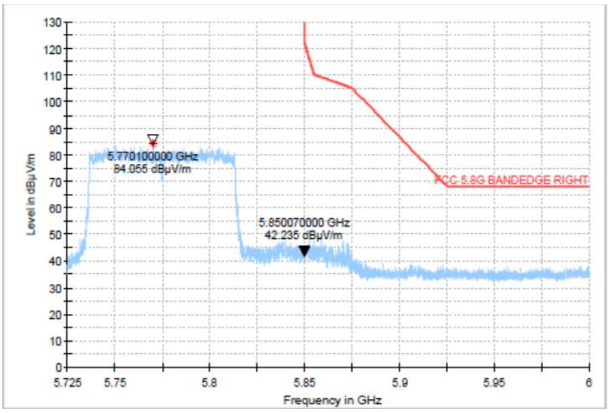
Band Edges (802.11-HT40, CH159, 5795MHz)	
Peak	Average
	

Band Edges (802.11ac-HT20, CH149, 5745MHz)	
Peak	Average
	

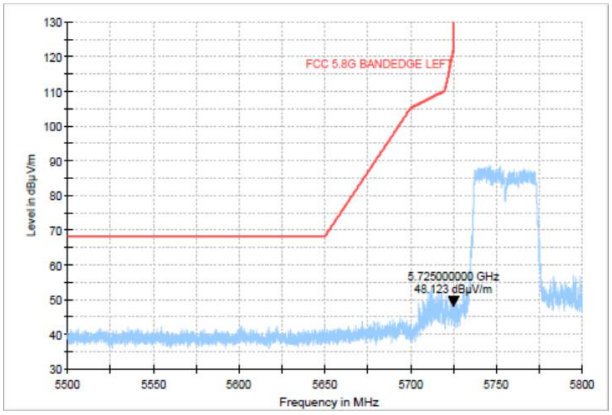
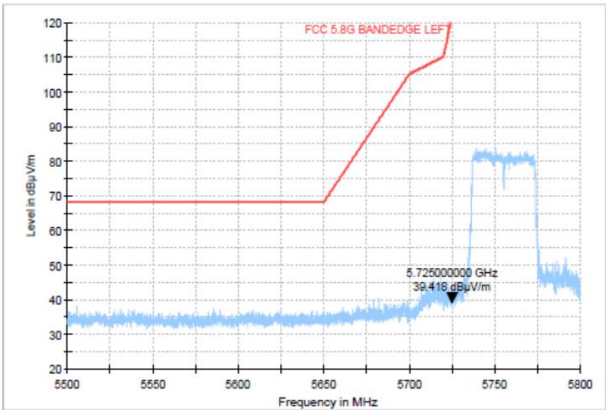
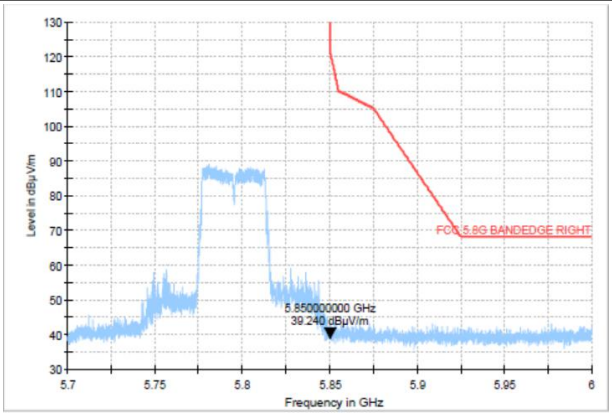
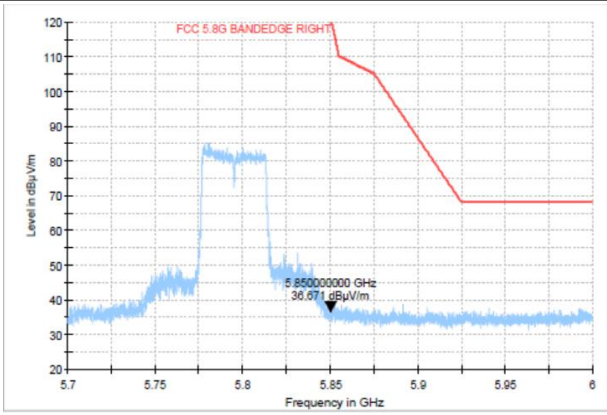
Band Edges (802.11ac-HT20, CH165, 5825MHz)	
Peak	Average
	

Band Edges (802.11ac-HT40, CH151, 5755MHz)	
Peak	Average
	

Band Edges (802.11ac-HT40, CH159, 5795MHz)	
Peak	Average
	

Band Edges (802.11ac-HT80, CH155, 5745MHz)	
Peak	Average
	

Mainly Supply-24V

Band Edges (802.11ac-HT40, CH151, 5755MHz)	
Peak	Average
	
Band Edges (802.11ac-HT40, CH159, 5795MHz)	
Peak	Average
	

7. Test Equipment List

7.1. Conducted Test System

Item	Equipment Name	Type	Serial Number	Manufacturer	Cal. Date	Cal. interval
1	Vector Signal Analyzer	FSQ26	101091	R&S	2020-05-11 2021-05-10	1 year
2	DC Power Supply	ZUP60-14	LOC-220Z006-0007	TDL-Lambda	2020-05-11 2021-05-10	1 year
3	Eagle Test Software	Eagle V3.1 FCC BT/WIFI	N/A	ECIT	N/A	N/A

7.2. Radiated Emission Test System

Item	Equipment Name	Type	Serial Number	Manufacturer	Cal. Date	Cal. interval
1	Universal Radio Communication Tester	CMU200	123123	R&S	2020-05-11 2021-05-10	1 year
2	EMI Test Receiver	ESU40	100307	R&S	2021-03-03	1 year
3	TRILOG Broadband Antenna	VULB9163	VULB9163-515	Schwarzbeck	2021-02-03	2 years
4	Double- ridged Waveguide Antenna	ETS-3117	00135890	ETS	2020-02-28	3 years
5	Universal Radio Communication Tester	CMW500	104178	R&S	2020-05-11 2021-05-10	1 year
6	EMI Test Software	EMC32 V 9.15.00	N/A	R&S	N/A	N/A

Anechoic chamber

Fully anechoic chamber by ETS.

Annex A: Measurement Uncertainty

Measurement uncertainty for all the testing in this report are within the limit specified in 3IN documents . The detailed measurement uncertainty is defined in 3IN documents.

Measurement Items	Range	Confidence Level	Calculated Uncertainty
Peak Output Power-Conducted	5100MHz-5875MHz	95%	1.024dB
Peak Power Spectral Density	5100MHz-5875MHz	95%	1.024dB/MHz
Conducted Emission	30MHz-2GHz	95%	0.90dB
Conducted Emission	2GHz-3.6GHz	95%	0.88dB
Conducted Emission	3.6GHz-8GHz	95%	0.96dB
Conducted Emission	8GHz-20GHz	95%	0.94dB
Conducted Emission	20GHz-22GHz	95%	0.88dB
Conducted Emission	22GHz-26GHz	95%	0.86dB
Transmitter Spurious Emission-Radiated	9KHz-30MHz	95%	5.66dB
Transmitter Spurious Emission-Radiated	30MHz-1000MHz	95%	4.98dB
Transmitter Spurious Emission-Radiated	1000MHz -18000MHz	95%	5.06dB
Transmitter Spurious Emission-Radiated	18000MHz -40000MHz	95%	5.20dB
AC Power line Conducted Emission	0.15MHz-30MHz	95%	3.66 dB

Annex B: Accreditation Certificate

Accredited Laboratory

A2LA has accredited

INDUSTRIAL INTERNET INNOVATION CENTER (SHANGHAI) CO., LTD.

Shanghai, People's Republic of China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 12th day of April 2021.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3682.01
Valid to February 28, 2023

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

**********END OF REPORT**********