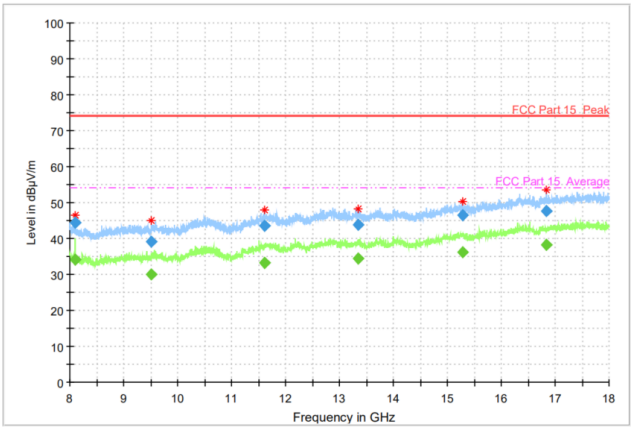
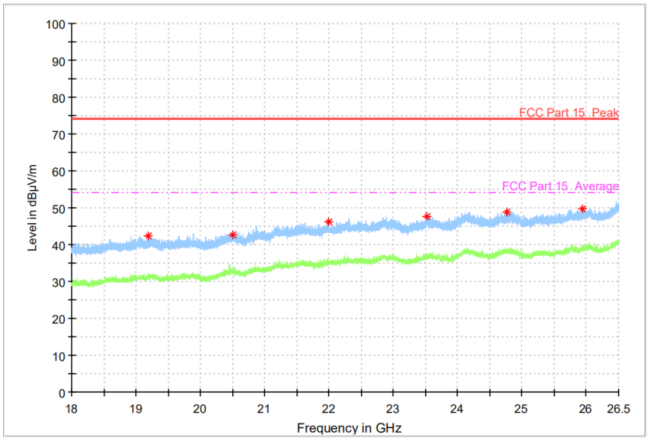
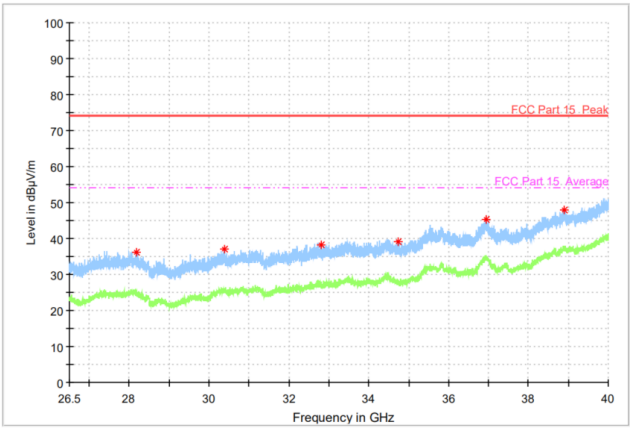
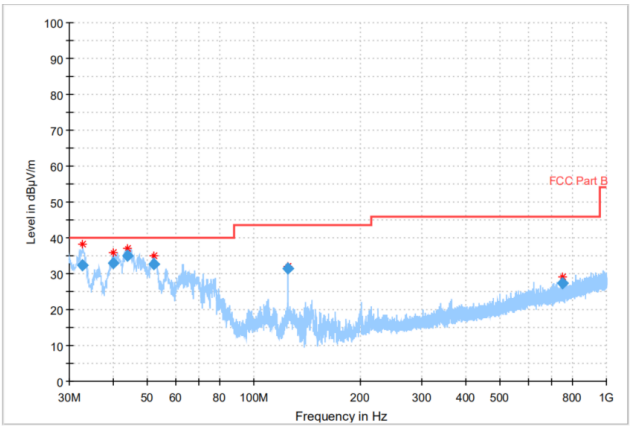
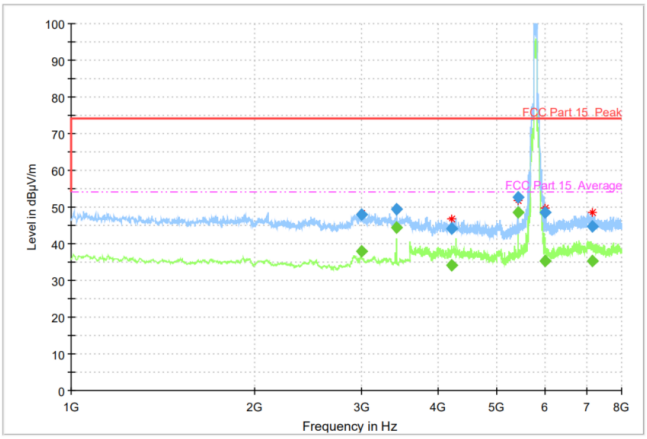
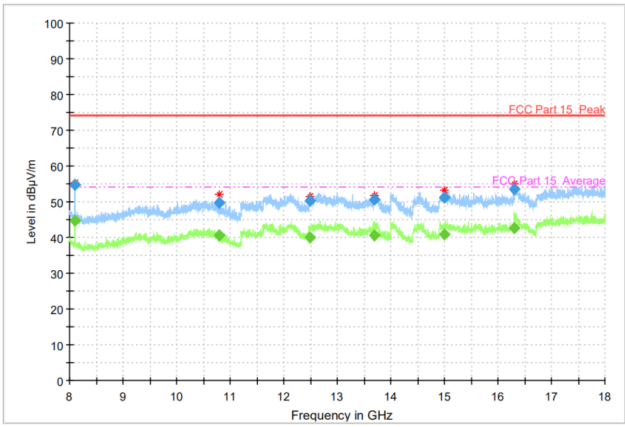
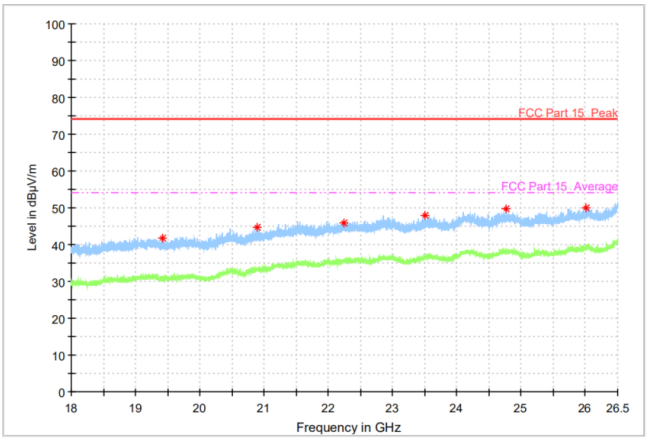
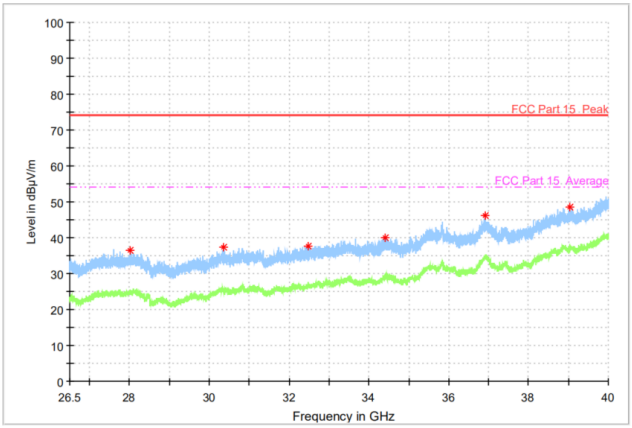
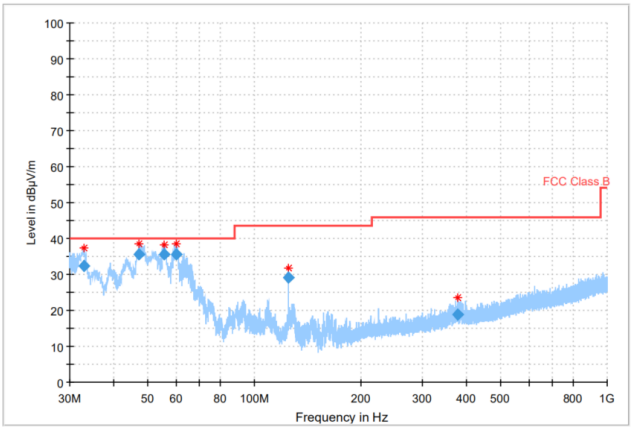
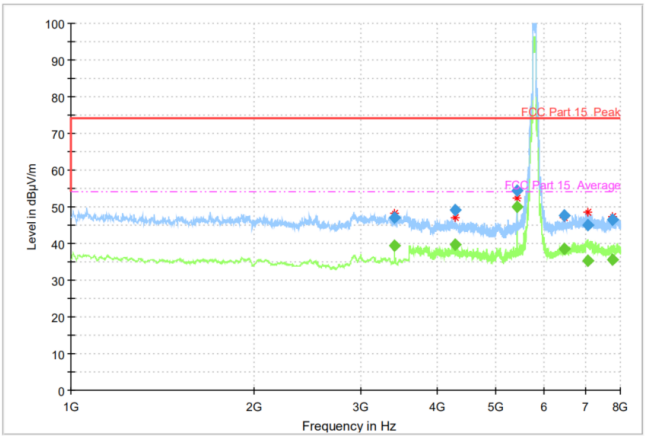
Radiated Spurious Emission (802.11ac-HT80, ch155, 8GHz-18GHz)	Radiated Spurious Emission (802.11ac-HT80, ch155, 18GHz-25.6GHz)
	
Radiated Spurious Emission (802.11ac-HT80, ch155, 25.6GHz-40GHz)	/
	/

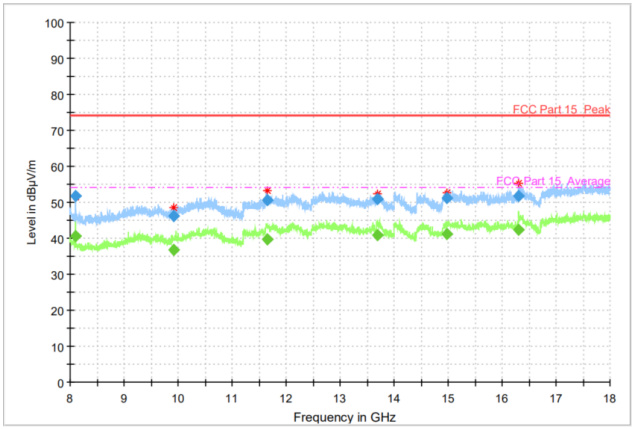
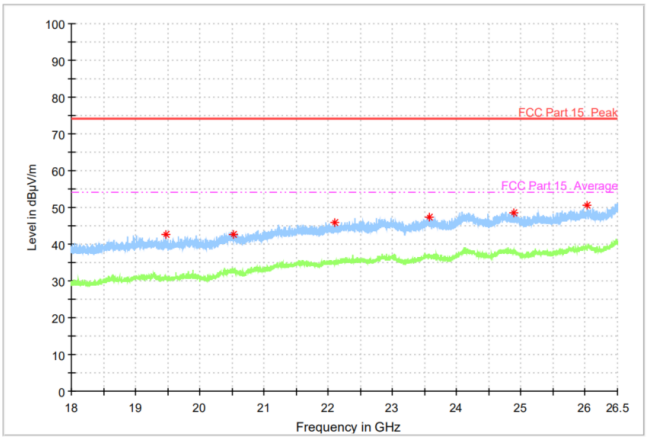
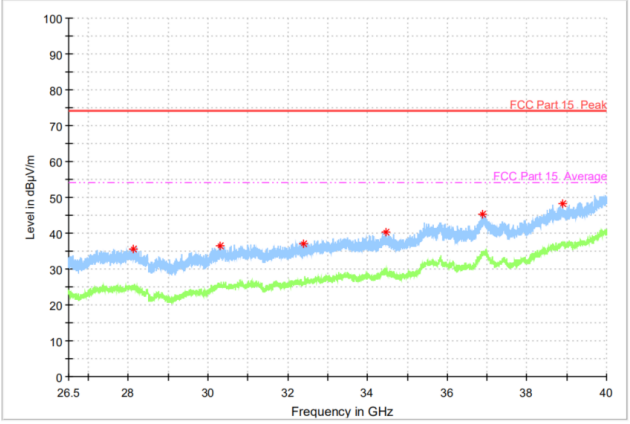
Secondary Supply

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

Radiated Spurious Emission (802.11ac-HT80, ch155, 8GHz-18GHz)	Radiated Spurious Emission (802.11ac-HT80, ch155, 18GHz-25.6GHz)
	
Radiated Spurious Emission (802.11ac-HT80, ch155, 25.6GHz-40GHz)	/
	/

Thirdly Supply

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

Radiated Spurious Emission (802.11ac-HT80, ch155, 8GHz-18GHz)	Radiated Spurious Emission (802.11ac-HT80, ch155, 18GHz-25.6GHz)
	
Radiated Spurious Emission (802.11ac-HT80, ch155, 25.6GHz-40GHz)	/
	/

802.11a mode

Channel 149 (30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
50.45	31.85	-15.3	47.15	V
229.57	35.05	-14.2	49.25	H
306.19	37.97	-12.4	50.37	V
377.20	29.28	-10.2	39.48	V
612.48	28.02	-4.2	32.22	V
829.69	34.19	-1.7	35.89	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2995	36.41	3.3	33.11	H
3418.4	41.73	1.5	40.23	H
4279.6	47.03	1.6	45.43	H
4977.4	37.39	4.5	32.89	H
5399.6	48.81	3	45.81	V
6479.8	46.58	3.6	42.98	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2995	27.36	3.3	24.06	H
3418.4	26.7	1.5	25.2	H
4279.6	40.04	1.6	38.44	H
4977.4	27.32	4.5	22.82	H
5399.6	44.7	3	41.7	V
6479.8	41.7	3.6	38.1	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8098.8	48.53	4.3	44.23	V
10215.6	48.8	7.1	41.7	H
12191	51	10.7	40.3	V
13687.2	50.54	11.6	38.94	H
15255	53.35	14.3	39.05	V
16351.2	52.13	16.3	35.83	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8098.8	37.94	4.3	33.64	V
10215.6	37.57	7.1	30.47	H
12191	39.58	10.7	28.88	V
13687.2	40.52	11.6	28.92	H
15255	41.39	14.3	27.09	V
16351.2	42.18	16.3	25.88	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
19006.4	41.85	-4.5	46.35	H
20504.95	44.32	-2.9	47.22	H
22095.3	46.02	-2	48.02	V
23554.75	47.68	-1.5	49.18	H
24821.25	49.08	0.2	48.88	V
25973	49.94	-0.7	50.64	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
28453.45	36.98	-1.1	38.08	H
30535.15	37.22	0.9	36.32	V
32722.15	38.49	3.9	34.59	H
34473.1	39.98	4.5	35.48	V
36889.6	44.93	8.4	36.53	V
38849.8	47.48	11.4	36.08	H

802.11n-HT20 mode

Channel 157(30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
41.93	31.31	-16.2	47.51	V
229.61	34.31	-14.2	48.51	H
301.98	37.96	-12.5	50.46	V
382.82	28.05	-10	38.05	V
750.00	32.83	-2.8	35.63	H
829.69	33.54	-1.7	35.24	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2993	38.42	3.3	35.12	H
3420.6	44.45	1.5	42.95	H
4279.6	46.98	1.6	45.38	H
4983.8	37.29	4.8	32.49	H
5400	51.43	3	48.43	V
6480.2	46.76	3.6	43.16	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2993	26.76	3.3	23.46	H
3420.6	26.79	1.5	25.29	H
4279.6	39.22	1.6	37.62	H
4983.8	27.58	4.8	22.78	H
5400	48.24	3	45.24	V
6480.2	39.39	3.6	35.79	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8098.8	49.46	4.3	45.16	V
10284	48.3	7.6	40.7	V
12126.6	49.71	10.5	39.21	H
13753.2	51.17	11.7	39.47	V
15283.4	51.86	14.4	37.46	H
16307.8	52.34	16.1	36.24	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8098.8	37.89	4.3	33.59	V
10284	37.91	7.6	30.31	V
12126.6	39.43	10.5	28.93	H
13753.2	40.58	11.7	28.88	V
15283.4	41.88	14.4	27.48	H
16307.8	42.54	16.1	26.44	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
19108.4	42.1	-4.4	46.5	V
20742.95	43.51	-3.8	47.31	H
22271.25	46.15	-1.8	47.95	H
23684.8	47	-0.8	47.8	V
24866.3	49.1	-0.1	49.2	H
26042.7	49.56	-0.9	50.46	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
28171.3	35.72	0.8	34.92	H
30277.3	36.51	1	35.51	H
32184.85	37.42	2.5	34.92	V
34487.95	40.9	4.5	36.4	H
36961.15	45.11	8.3	36.81	H
38903.8	48.71	11.6	37.11	H

802.11n-HT40 mode

Channel 159(30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
50.53	31.41	-15.3	46.71	V
62.93	29.36	-17.1	46.46	V
229.57	34.75	-14.2	48.95	H
302.72	36.72	-12.5	49.22	V
377.92	30.12	-10.2	40.32	V
829.75	34.36	-1.7	36.06	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2995.6	36.43	3.2	33.23	H
3402.8	43.67	1.8	41.87	H
4279.8	44.89	1.6	43.29	H
5399.8	50.31	3	47.31	V
6480	46.59	3.6	42.99	H
7076.2	40.52	4.9	35.62	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2995.6	27.04	3.2	23.84	H
3402.8	27.32	1.8	25.52	H
4279.8	37.8	1.6	36.2	H
5399.8	47.31	3	44.31	V
6480	41.28	3.6	37.68	H
7076.2	30.5	4.9	25.6	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8099	47.53	5.2	42.33	H
10267.2	41.51	7.9	33.61	H
12200.6	43.32	11.3	32.02	V
13968.8	44.93	12.7	32.23	V
15655.8	45.97	15.6	30.37	H
17332.2	48.59	18.5	30.09	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8099	36.81	5.2	31.61	H
10267.2	31.61	7.9	23.71	H
12200.6	33.14	11.3	21.84	V
13968.8	34.36	12.7	21.66	V
15655.8	35.91	15.6	20.31	H
17332.2	38.1	18.5	19.6	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
19026.8	41.46	-4.4	45.86	H
20357.05	43.07	-3.9	46.97	V
21757.85	45.71	-2.7	48.41	H
23059.2	46.58	-1.8	48.38	V
24288.3	48.53	0	48.53	V
25700.15	49.21	0.6	48.61	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
28161.85	35.9	0.9	35	V
30277.3	35.84	1	34.84	V
32246.95	37.67	2.6	35.07	V
34323.25	40.26	4.7	35.56	H
36834.25	43.89	8.5	35.39	H
38600.05	48.94	10.4	38.54	V

802.11ac-HT20 mode

Channel 165 (30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
42.27	31.72	-16.1	47.82	V
229.59	34.31	-14.2	48.51	H
305.71	37.52	-12.4	49.92	V
382.85	28.14	-10	38.14	V
750.00	31.55	-2.8	34.35	H
829.77	33.92	-1.7	35.62	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2994.2	36.17	3.3	32.87	H
3329.2	41.15	2.4	38.75	V
4279.4	44.34	1.6	42.74	H
5399.8	50.71	3	47.71	V
6480	46.31	3.6	42.71	H
7117	40.21	4.8	35.41	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2994.2	26.99	3.3	23.69	H
3329.2	29.12	2.4	26.72	V
4279.4	35.41	1.6	33.81	H
5399.8	47.94	3	44.94	V
6480	41.45	3.6	37.85	H
7117	30.33	4.8	25.53	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8099	47.64	5.2	42.44	H
9670.8	40.81	6	34.81	H
11787.8	42.58	10.5	32.08	V
13402.6	44.11	12.1	32.01	H
14982	47.54	14.6	32.94	H
17630	48.25	18.6	29.65	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8099	36.96	5.2	31.76	H
9670.8	30.15	6	24.15	H
11787.8	33.08	10.5	22.58	V
13402.6	34.41	12.1	22.31	H
14982	35.39	14.6	20.79	H
17630	38.24	18.6	19.64	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
19477.3	42.31	-5	47.31	H
20937.6	44.37	-2.6	46.97	V
22227.9	46.03	-1.9	47.93	V
23567.5	47.67	-1.4	49.07	H
24802.55	49.43	0.3	49.13	H
26029.95	49.87	-0.9	50.77	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
28088.95	35.87	0.8	35.07	H
30342.1	37.12	1.1	36.02	H
32186.2	38.19	2.5	35.69	H
34411	40.03	4.6	35.43	V
36895	44.62	8.4	36.22	V
39069.85	48.14	12.1	36.04	H

802.11ac-HT40 mode

Channel 159 (30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
42.19	31.89	-16.1	47.99	V
226.89	34.63	-14.3	48.93	H
303.97	36.6	-12.4	49	V
377.64	30.04	-10.2	40.24	V
459.09	29.02	-8.2	37.22	V
829.64	33.85	-1.7	35.55	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2996.4	37	3.2	33.8	H
3394.2	42.42	1.7	40.72	H
4279.8	44.97	1.6	43.37	H
5400	50.84	3	47.84	V
5991.6	40.58	2.6	37.98	V
7703.8	40.95	4.5	36.45	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2996.4	27.19	3.2	23.99	H
3394.2	26.34	1.7	24.64	H
4279.8	39.61	1.6	38.01	H
5400	47.1	3	44.1	V
5991.6	30.12	2.6	27.52	V
7703.8	32.18	4.5	27.68	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8099	46.12	5.2	40.92	V
10251	41.33	7.8	33.53	H
11649.8	42.91	10.4	32.51	V
13737.4	45.28	12.1	33.18	V
15241.4	46.65	15.1	31.55	V
16741.2	47.83	17.6	30.23	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8099	35.87	5.2	30.67	V
10251	31.73	7.8	23.93	H
11649.8	32.87	10.4	22.47	V
13737.4	34.29	12.1	22.19	V
15241.4	35.92	15.1	20.82	V
16741.2	37.28	17.6	19.68	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
19168.75	41.58	-4.5	46.08	V
20519.4	42.82	-3	45.82	V
21899.8	45.47	-2.3	47.77	V
23416.2	46.99	-1	47.99	H
24805.95	49.28	0.3	48.98	V
26106.45	49.8	-0.6	50.4	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
28134.85	37.16	1.2	35.96	V
30342.1	36.22	1.1	35.12	H
32759.95	39.05	3.9	35.15	H
34442.05	40.71	4.5	36.21	V
36913.9	45.87	8.4	37.47	V
38824.15	47.76	11.4	36.36	H

802.11ac-HT80 mode

Channel 155 (30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
42.23	31.83	-16.1	47.93	V
228.17	29.81	-14.2	44.01	H
305.78	37.06	-12.4	49.46	V
377.32	29.08	-10.2	39.28	V
452.95	27.16	-8.7	35.86	V
829.75	33.66	-1.7	35.36	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2991.6	37.03	3.3	33.73	H
3418.4	39.33	1.5	37.83	H
4279.8	45.94	1.6	44.34	H
5399.8	51.08	3	48.08	V
6480	46.73	3.6	43.13	H
7071.4	40.39	4.9	35.49	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2991.6	26.33	3.3	23.03	H
3418.4	26.66	1.5	25.16	H
4279.8	39.67	1.6	38.07	H
5399.8	48.13	3	45.13	V
6480	41.24	3.6	37.64	H
7071.4	30.2	4.9	25.3	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8098.8	44.54	5.2	39.34	V
9518	39.19	6.1	33.09	V
11607.6	43.44	10.3	33.14	V
13337.4	43.83	12	31.83	V
15288.8	46.43	15.3	31.13	V
16835.6	47.79	18.1	29.69	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8098.8	34.13	5.2	28.93	V
9518	30.06	6.1	23.96	V
11607.6	33.09	10.3	22.79	V
13337.4	34.52	12	22.52	V
15288.8	36.32	15.3	21.02	V
16835.6	38.09	18.1	19.99	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
19186.6	42.24	-4.6	46.84	H
20505.8	42.78	-2.9	45.68	V
21995	46.32	-2.1	48.42	H
23521.6	47.62	-1.4	49.02	V
24766	48.82	0.5	48.32	H
25930.5	49.62	-0.4	50.02	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
28174	36.2	0.8	35.4	H
30381.25	36.93	1.2	35.73	V
32796.4	38.28	3.9	34.38	H
34737.7	39.25	4.1	35.15	H
36928.75	45.33	8.3	37.03	V
38897.05	47.97	11.6	36.37	H

Secondary Supply

802.11ac-HT80 mode

Channel 155 (30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
32.77	32.22	-14.2	46.42	V
39.87	32.86	-12.9	45.76	V
43.81	35.08	-12.5	47.58	V
52.15	32.77	-12	44.77	V
125.00	31.57	-15.6	47.17	V
750.01	27.43	-2.1	29.53	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2999.8	47.93	1.6	46.33	V
3423.8	49.28	0.5	48.78	H
4207.8	44.26	1.1	43.16	H
5399.8	52.59	2	50.59	V
6003	48.57	1.9	46.67	H
7157.6	44.82	4.1	40.72	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
2999.8	37.94	1.6	36.34	V
3423.8	44.35	0.5	43.85	H
4207.8	34.12	1.1	33.02	H
5399.8	48.45	2	46.45	V
6003	35.18	1.9	33.28	H
7157.6	35.43	4.1	31.33	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8099	54.57	4.3	50.27	V
10799	49.72	7.2	42.52	V
12493	50.23	10.3	39.93	H
13684.4	50.5	11.6	38.9	H
14995.6	51.27	13.7	37.57	H
16307	53.67	16.1	37.57	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8099	44.68	4.3	40.38	V
10799	40.62	7.2	33.42	V
12493	39.87	10.3	29.57	H
13684.4	40.51	11.6	28.91	H
14995.6	40.88	13.7	27.18	H
16307	42.74	16.1	26.64	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
19416.1	41.82	-5	46.82	V
20884.9	44.82	-2.5	47.32	V
22234.7	45.95	-1.9	47.85	V
23496.95	47.92	-1.3	49.22	V
24771.1	49.8	0.5	49.3	V
26012.1	50.05	-1	51.05	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
28026.85	36.42	0.3	36.12	H
30370.45	37.45	1.2	36.25	H
32479.15	37.61	3.3	34.31	V
34396.15	40.08	4.6	35.48	H
36907.15	46.05	8.4	37.65	V
39046.9	48.39	12	36.39	V

Thirdly Supply

802.11ac-HT80 mode

Channel 155 (30MHz ~ 1GHz)

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
32.96	32.49	-14.3	46.79	V
47.21	35.73	-12.3	48.03	V
55.68	35.57	-12.3	47.87	V
59.93	35.6	-12.3	47.9	V
124.99	29.15	-16	45.15	V
377.33	18.78	-8.9	27.68	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3400	47.12	0.9	46.22	V
4279.6	49.03	1.1	47.93	V
5399.6	54.4	2	52.4	V
6479.8	47.72	2.9	44.82	V
7061	45.13	4.4	40.73	H
7756.8	46.39	4	42.39	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
3400	39.33	0.9	38.43	V
4279.6	39.66	1.1	38.56	V
5399.6	50.05	2	48.05	V
6479.8	38.49	2.9	35.59	V
7061	35.36	4.4	30.96	H
7756.8	35.64	4	31.64	V

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8099	51.86	4.3	47.56	V
9918.6	46.24	5.8	40.44	H
11650	50.65	9.9	40.75	V
13693	50.81	11.6	39.21	V
14986.6	51.05	13.8	37.25	V
16301.2	51.85	16.1	35.75	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
8099	40.47	4.3	36.17	V
9918.6	36.83	5.8	31.03	H
11650	39.66	9.9	29.76	V
13693	40.91	11.6	29.31	V
14986.6	41.04	13.8	27.24	V
16301.2	42.42	16.1	26.32	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
19473.9	42.5	-5	47.5	V
20532.15	42.52	-3.1	45.62	H
22099.55	45.83	-2	47.83	V
23577.7	47.48	-1.3	48.78	H
24893.5	48.6	-0.2	48.8	V
26033.35	50.59	-0.9	51.49	H

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

Frequency(MHz)	Result(dBuV/m)	ARpl(dB)	PMea(dBuV/m)	Polarity
28133.5	35.66	1.2	34.46	V
30298.9	36.46	1	35.46	H
32408.95	36.96	3.1	33.86	H
34471.75	40.17	4.5	35.67	V
36889.6	45.25	8.4	36.85	V
38899.75	48.26	11.6	36.66	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.

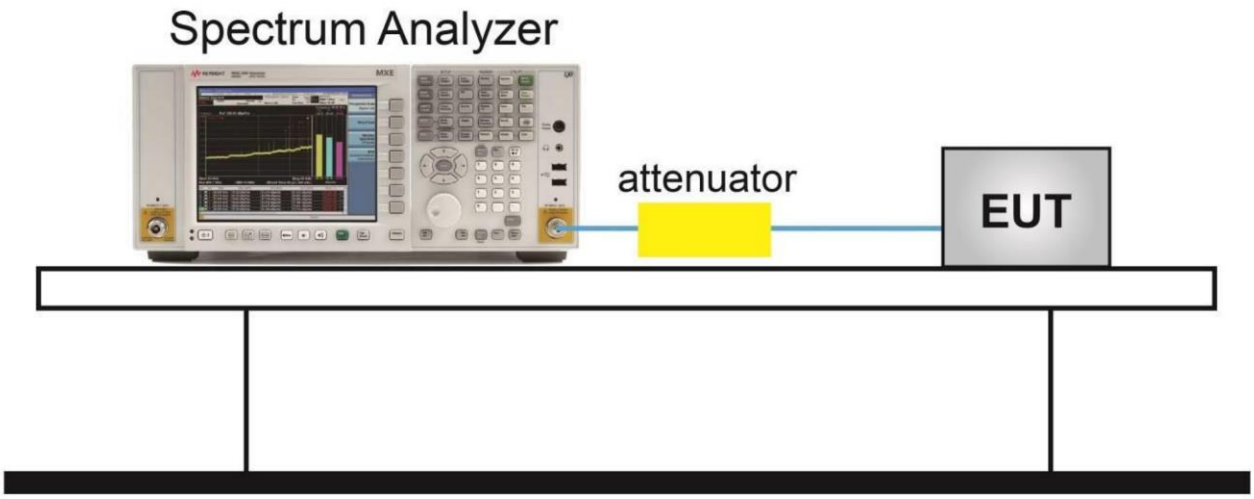
(4) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the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

6.7.2. Test Setup



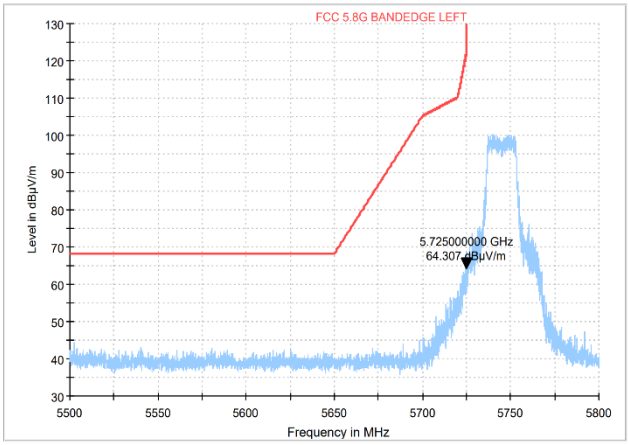
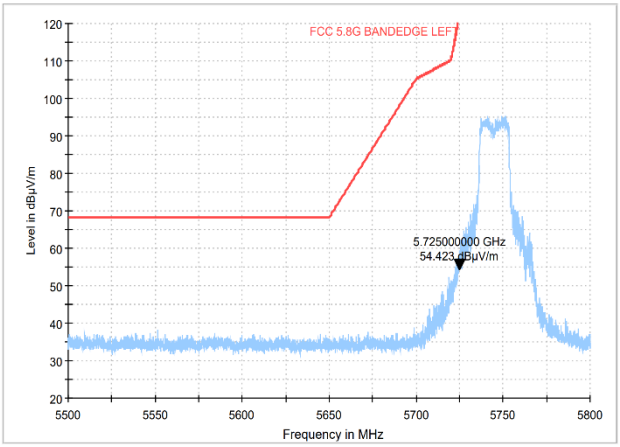
6.7.3. Set the spectrum analyzer in the following

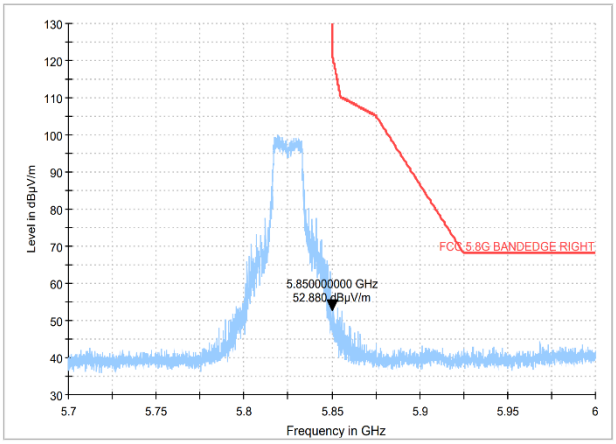
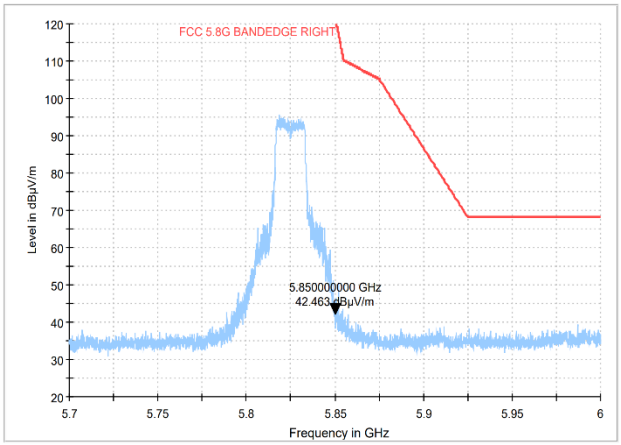
1. Sweep mode: SweepAnalyzer6db.
2. PEAK: RBW=1MHz / VBW=3MHz / Sweep=2.5ms，Sweep point;5001
3. AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=2.5ms，Sweep point;5001

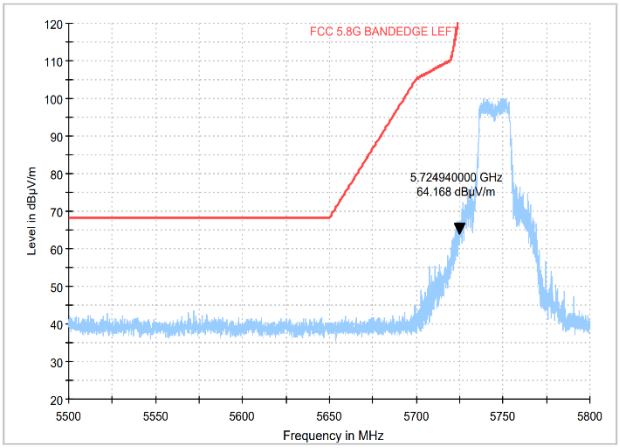
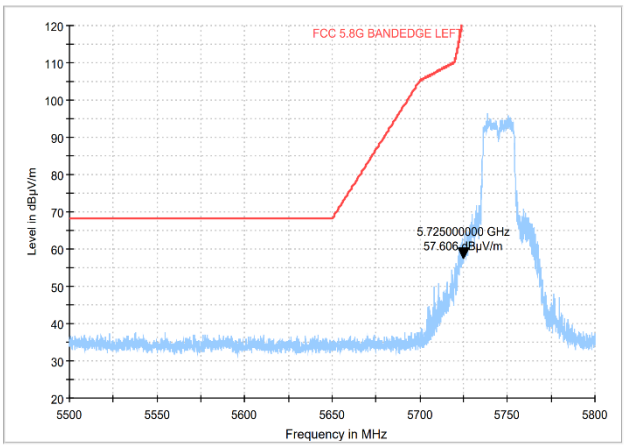
Measurement Result

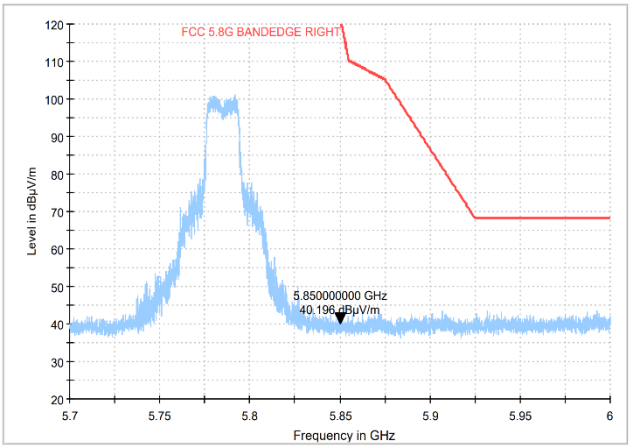
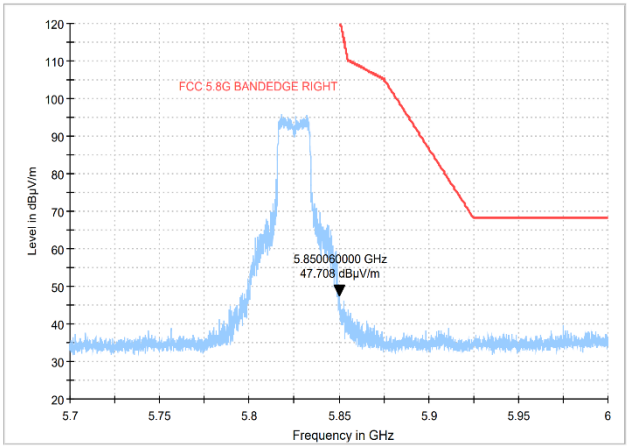
Mode	Channel	Conclusion
802.11a	149	P
	165	P
802.11n HT20	149	P
	157	P
802.11n HT40	151	P
	159	P
802.11ac HT20	149	P
	165	P
802.11ac HT40	151	P
	159	P
802.11ac HT80	155	P

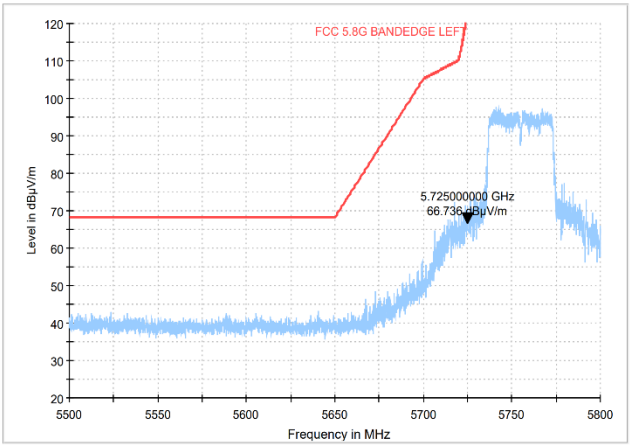
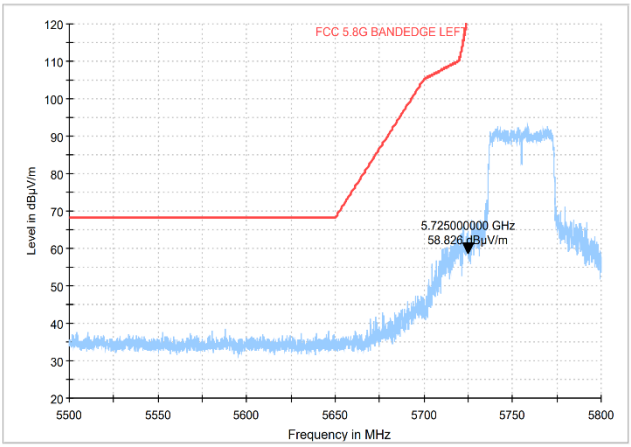
Test graphs as below:

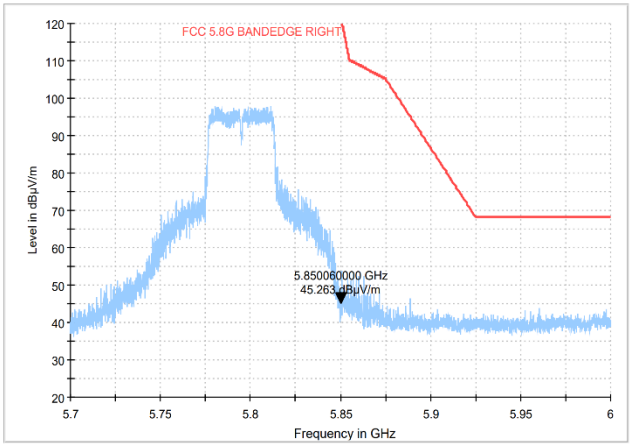
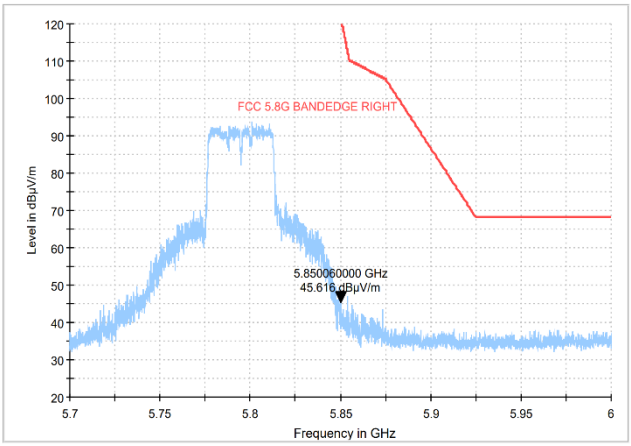
Band Edges (802.11a, CH149, 5745MHz)	
Peak	Average
	

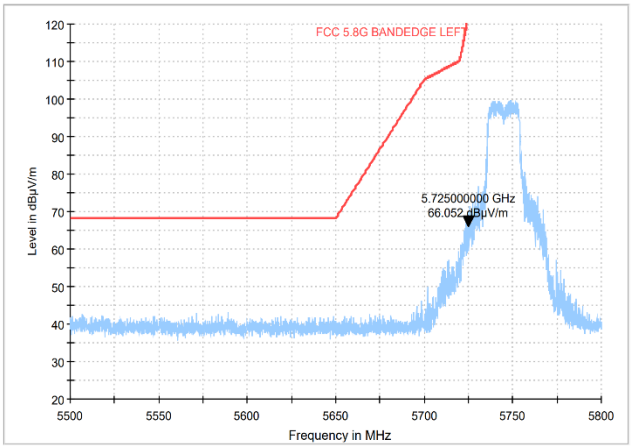
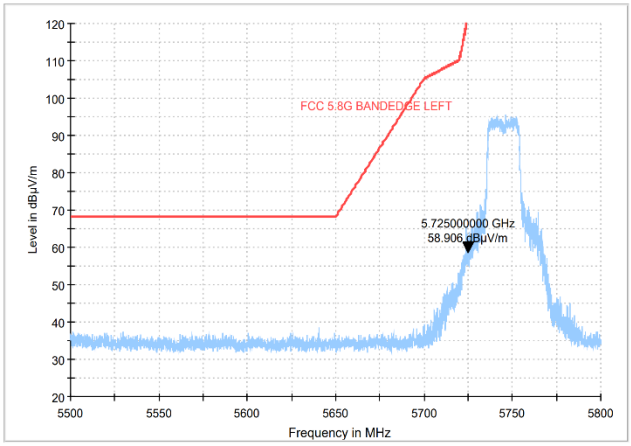
Band Edges (802.11a, CH165, 5825MHz)	
Peak	Average
	

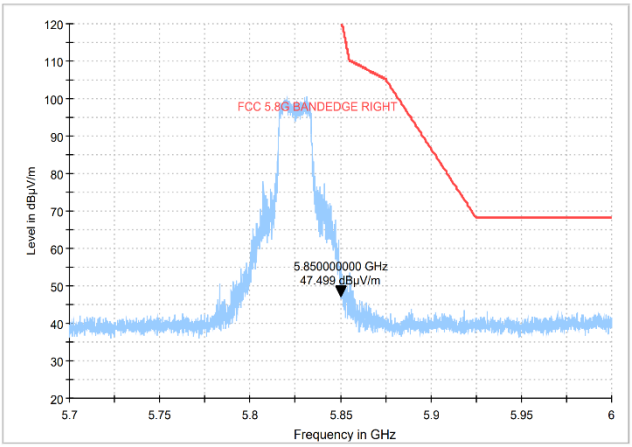
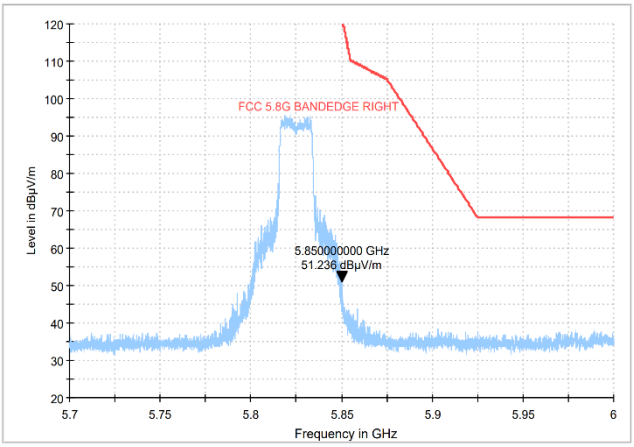
Band Edges (802.11n-HT20, CH149, 5745MHz)	
Peak	Average
	

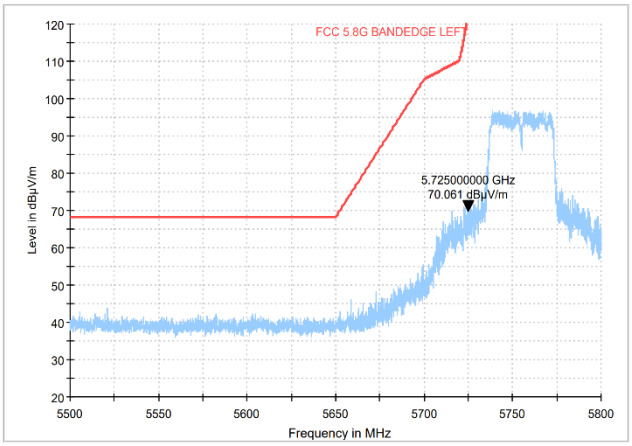
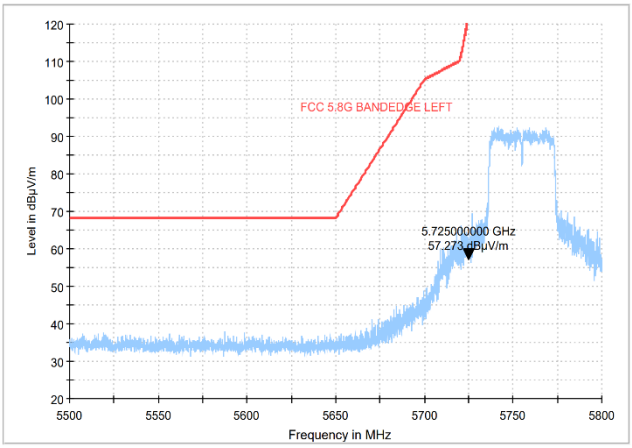
Band Edges (802.11n-HT20, CH157, 5785MHz)	
Peak	Average
	

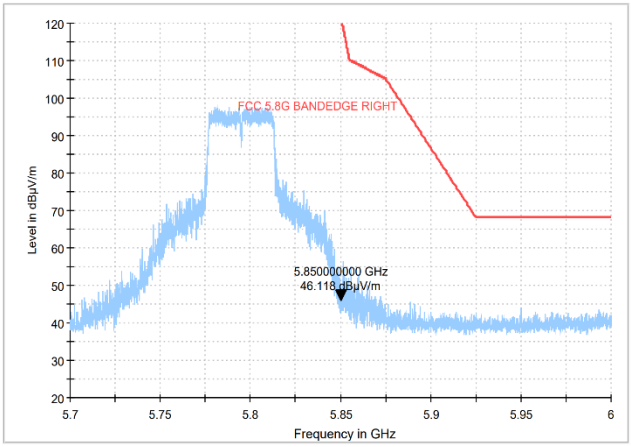
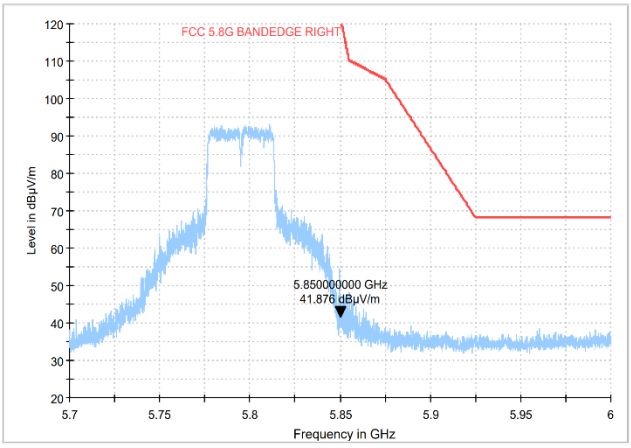
Band Edges (802.11n-HT40, CH151, 5755MHz)	
Peak	Average
	

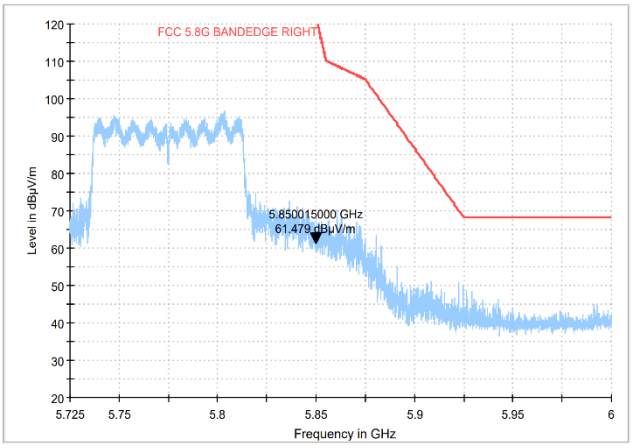
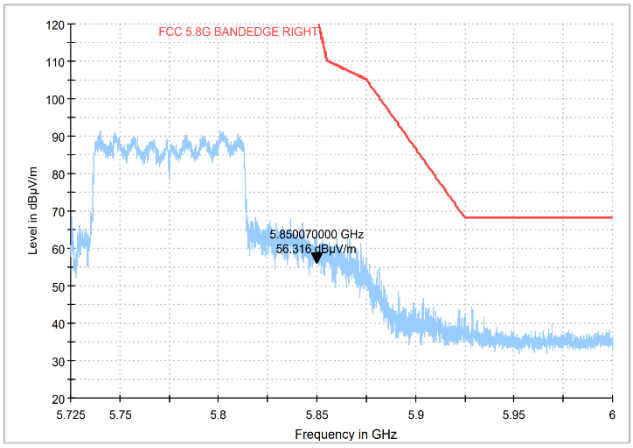
Band Edges (802.11-HT40, CH159, 5795MHz)	
Peak	Average
	

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

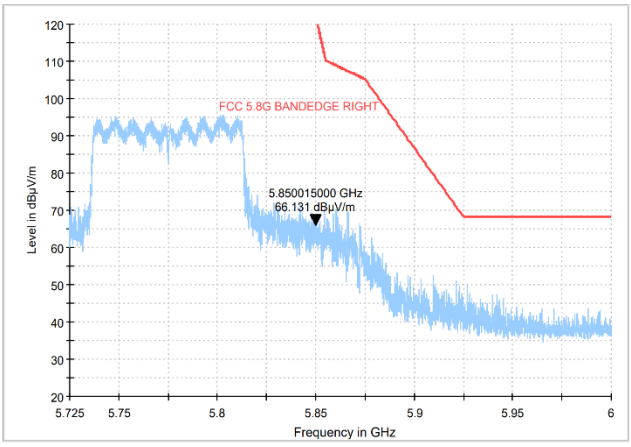
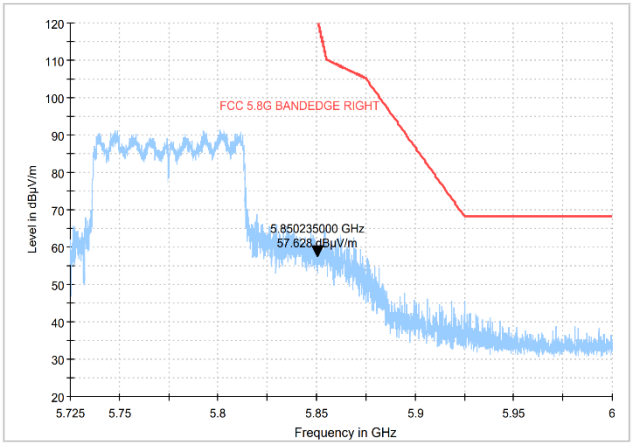
Band Edges (802.11ac-HT20, CH165, 5825MHz)	
Peak	Average
	

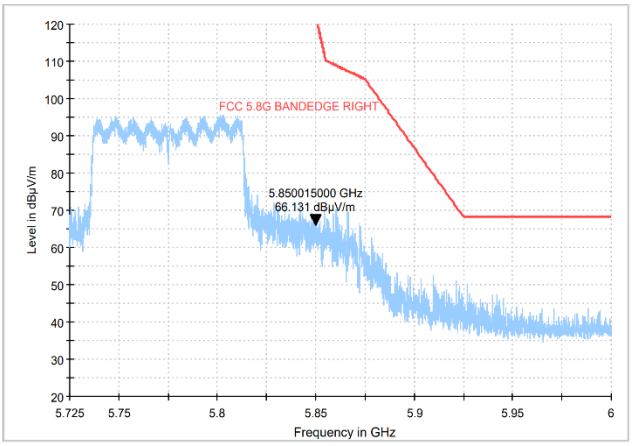
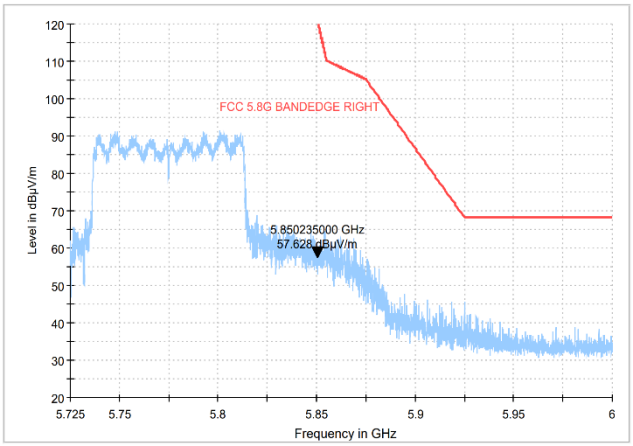
Band Edges (802.11ac-HT40, CH151, 5755MHz)	
Peak	Average
	

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

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

Secondary Supply

Band Edges (802.11ac-HT80, CH155, 5775MHz)	
Peak	Average
	

Band Edges (802.11ac-HT80, CH155, 5775MHz)	
Peak	Average
	

6.8. AC Powerline Conducted Emission

6.8.1. Method of Measurement: ANSI C63.10 clause 6.2

1 The one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement, while applying the appropriate modulating signal to the EUT.

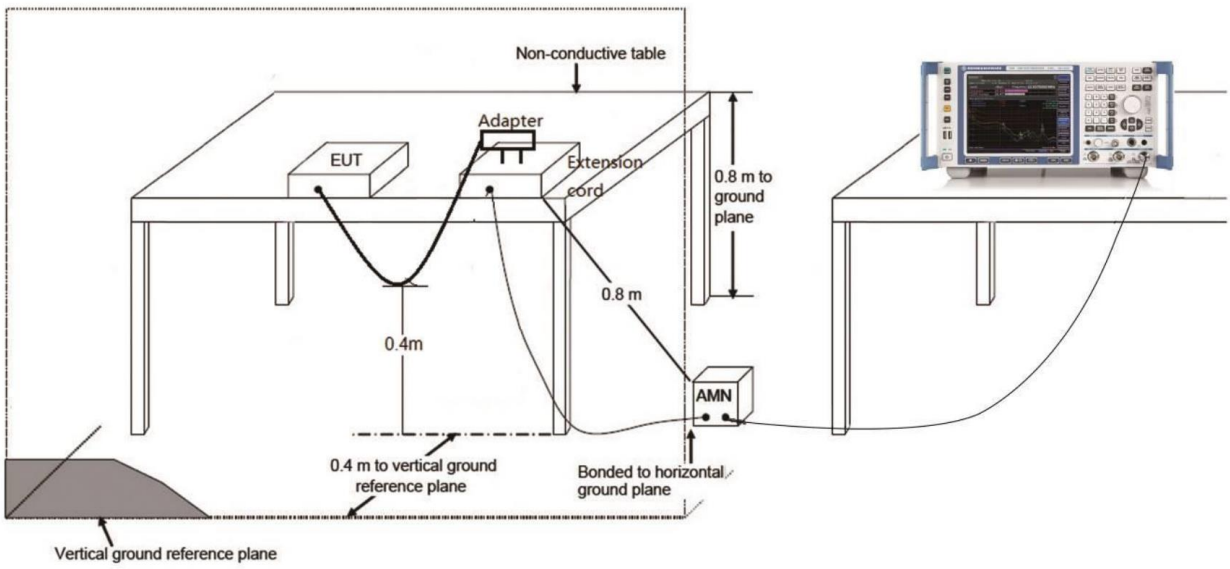
2 If the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed.

3 The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without further variation of the EUT arrangement, cable positions, or EUT mode of operation.

4 If the EUT is comprised of equipment units that have their own separate ac power connections, e.g., floor-standing equipment with independent power cords for each shelf that are able to connect directly to the ac power network, each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be separately measured. If a power strip is provided by the manufacturer, to supply all of the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.

If the EUT uses a detachable antenna, these measurements shall be made with a suitable dummy load connected to the antenna output terminals; otherwise, the tests shall be made with the antenna connected and, if adjustable, fully extended. When measuring the ac conducted emissions from a device that operates between 150 kHz and 30 MHz a non-detachable antenna may be replaced with a dummy load for the measurements within the fundamental emission band of the transmitter, but only for those measurements.36 Record the six highest EUT emissions relative to the limit of each of the current-carrying conductors of the power cords of the equipment that comprises the EUT over the frequency range specified by the procuring or regulatory agency. Diagram or photograph the test setup that was used. See Clause 8 for full reporting requirements.

6.8.2 Test Setup



6.8.3. Test Condition

Voltage（V）	Frequency（Hz）
120	60

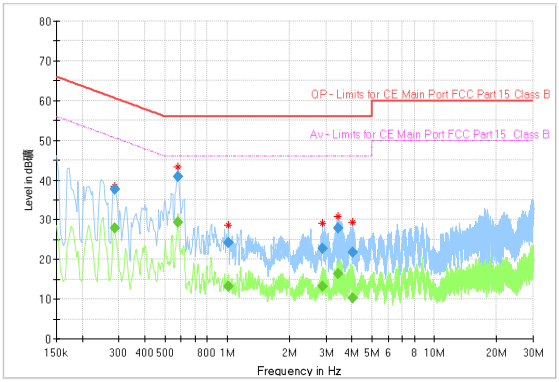
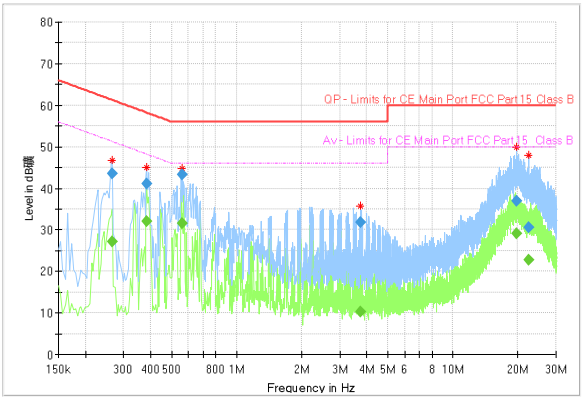
Measurement Result and limit

(Quasi-peak-average Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Conclusion
0.15 to 0.5	66 to 56	56 to 46	P
0.5 to 5	56	46	
5 to 30	60	50	
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.			

Test graphs as below:

Mainly Supply

CA01	CB02
	

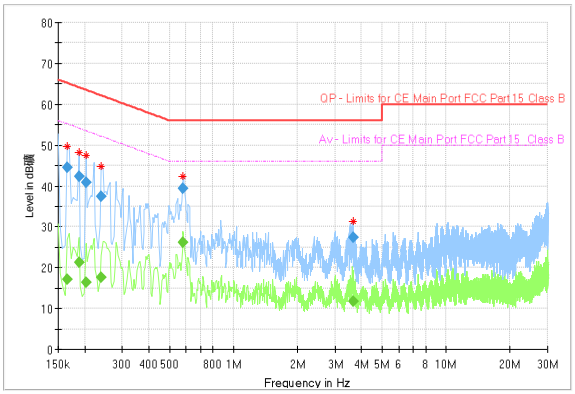
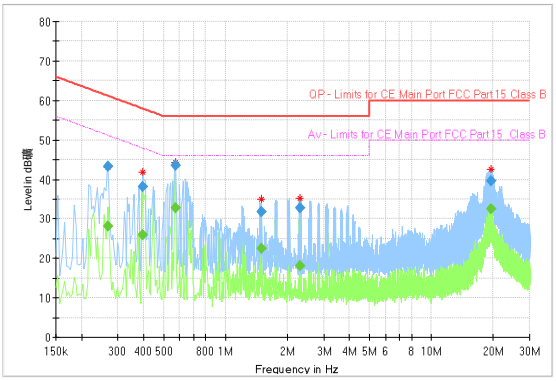
CA01

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.288056	---	27.78	50.58	22.80	150000	9.000	N	ON	9.7
0.288056	37.60	---	60.58	22.98	150000	9.000	N	ON	9.7
0.579094	40.94	---	56.00	15.06	150000	9.000	N	ON	9.8
0.579094	---	29.45	46.00	16.55	150000	9.000	N	ON	9.8
1.015650	24.15	---	56.00	31.85	150000	9.000	L1	ON	10.1
1.015650	---	13.12	46.00	32.88	150000	9.000	L1	ON	10.1
2.881275	---	13.13	46.00	32.87	150000	9.000	L1	ON	10.4
2.881275	22.70	---	56.00	33.30	150000	9.000	L1	ON	10.4
3.429769	27.87	---	56.00	28.13	150000	9.000	L1	ON	10.4
3.429769	---	16.29	46.00	29.71	150000	9.000	L1	ON	10.4
4.026769	21.87	---	56.00	34.13	150000	9.000	L1	ON	10.5
4.026769	---	10.19	46.00	35.81	150000	9.000	L1	ON	10.5

CB02

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.265669	---	27.18	51.25	24.07	15000	9.000	L1	ON	9.8
0.265669	43.44	---	61.25	17.81	15000	9.000	L1	ON	9.8
0.385069	---	31.99	48.17	16.18	15000	9.000	N	ON	9.7
0.385069	41.20	---	58.17	16.97	15000	9.000	N	ON	9.7
0.560438	---	31.47	46.00	14.53	15000	9.000	N	ON	9.8
0.560438	43.41	---	56.00	12.59	15000	9.000	N	ON	9.8
3.754388	---	10.28	46.00	35.72	15000	9.000	N	ON	9.9
3.754388	31.90	---	56.00	24.10	15000	9.000	N	ON	9.9
19.653244	---	29.05	50.00	20.95	15000	9.000	N	ON	10.4
19.653244	36.87	---	60.00	23.13	15000	9.000	N	ON	10.4
22.470338	---	22.70	50.00	27.30	15000	9.000	N	ON	10.4
22.470338	30.51	---	60.00	29.49	15000	9.000	N	ON	10.4

Secondary Supply

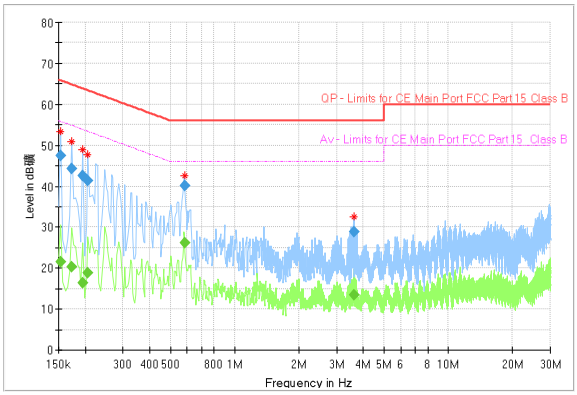
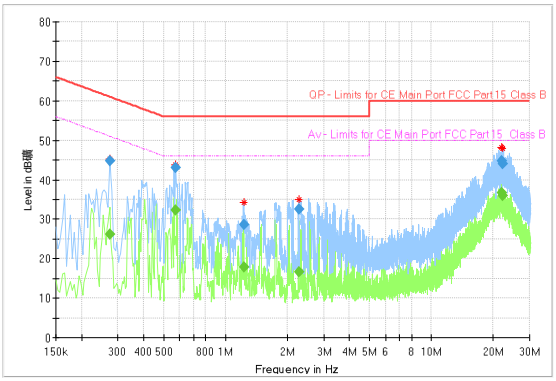
CA01	CB02
	

CA01

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.164925	44.56	---	65.21	20.66	15000	9.000	N	ON	9.7
0.164925	---	17.23	55.21	37.99	15000	9.000	N	ON	9.7
0.187313	---	21.26	54.16	32.90	15000	9.000	N	ON	9.7
0.187313	42.23	---	64.16	21.92	15000	9.000	N	ON	9.7
0.202238	40.98	---	63.52	22.54	15000	9.000	N	ON	9.7
0.202238	---	16.27	53.52	37.25	15000	9.000	N	ON	9.7
0.239550	37.37	---	62.11	24.74	15000	9.000	N	ON	9.7
0.239550	---	17.62	52.11	34.49	15000	9.000	N	ON	9.7
0.579094	39.41	---	56.00	16.59	15000	9.000	N	ON	9.8
0.579094	---	26.08	46.00	19.92	15000	9.000	N	ON	9.8
3.672300	---	11.78	46.00	34.22	15000	9.000	L1	ON	10.5
3.672300	27.34	---	56.00	28.66	15000	9.000	L1	ON	10.5

CB02

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.269400	---	28.23	51.14	22.90	15000	9.000	L1	ON	9.8
0.269400	43.26	---	61.14	17.87	15000	9.000	L1	ON	9.8
0.396263	---	25.91	47.93	22.02	15000	9.000	N	ON	9.7
0.396263	38.20	---	57.93	19.73	15000	9.000	N	ON	9.7
0.571631	43.50	---	56.00	12.50	15000	9.000	N	ON	9.8
0.571631	---	32.82	46.00	13.18	15000	9.000	N	ON	9.8
1.493250	31.85	---	56.00	24.15	15000	9.000	L1	ON	10.2
1.493250	---	22.51	46.00	23.49	15000	9.000	L1	ON	10.2
2.299200	---	18.14	46.00	27.86	15000	9.000	L1	ON	10.3
2.299200	32.81	---	56.00	23.19	15000	9.000	L1	ON	10.3
19.474144	---	32.58	50.00	17.42	15000	9.000	L1	ON	11.1
19.474144	39.55	---	60.00	20.45	15000	9.000	L1	ON	11.1

CA01	CB02
	

CA01

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.153731	---	21.64	55.80	34.16	15000	9.000	L1	ON	9.7
0.153731	47.36	---	65.80	18.43	15000	9.000	L1	ON	9.7
0.172388	---	20.26	54.85	34.59	15000	9.000	L1	ON	9.7
0.172388	44.38	---	64.85	20.46	15000	9.000	L1	ON	9.7
0.194775	42.64	---	63.83	21.19	15000	9.000	N	ON	9.7
0.194775	---	16.31	53.83	37.52	15000	9.000	N	ON	9.7
0.205969	---	18.82	53.37	34.54	15000	9.000	N	ON	9.7
0.205969	41.36	---	63.37	22.00	15000	9.000	N	ON	9.7
0.582825	---	26.21	46.00	19.79	15000	9.000	N	ON	9.8
0.582825	40.19	---	56.00	15.81	15000	9.000	N	ON	9.8
3.601406	28.76	---	56.00	27.24	15000	9.000	L1	ON	10.4
3.601406	---	13.36	46.00	32.64	15000	9.000	L1	ON	10.4

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.273131	---	26.27	51.02	24.75	15000	9.000	L1	ON	9.8
0.273131	44.77	---	61.02	16.26	15000	9.000	L1	ON	9.8
0.571631	---	32.21	46.00	13.79	15000	9.000	N	ON	9.8
0.571631	43.17	---	56.00	12.83	15000	9.000	N	ON	9.8
1.224600	28.75	---	56.00	27.25	15000	9.000	L1	ON	10.1
1.224600	---	17.86	46.00	28.14	15000	9.000	L1	ON	10.1
2.273081	32.48	---	56.00	23.52	15000	9.000	L1	ON	10.3
2.273081	---	16.59	46.00	29.41	15000	9.000	L1	ON	10.3
21.921844	---	36.71	50.00	13.29	15000	9.000	N	ON	10.4
21.921844	44.87	---	60.00	15.13	15000	9.000	N	ON	10.4
22.246463	---	35.97	50.00	14.03	15000	9.000	N	ON	10.4
22.246463	43.95	---	60.00	16.05	15000	9.000	N	ON	10.4

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	2021-05-10	1 year
2	DC Power Supply	ZUP60-14	LOC-220Z006-0007	TDL-Lambda	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	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	2020-02-03	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	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**********