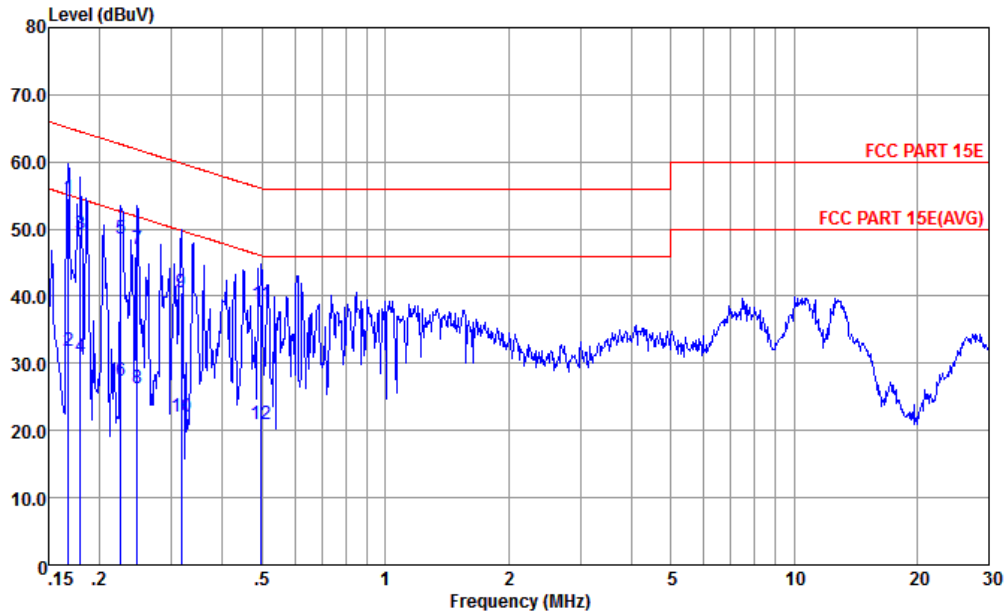




Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

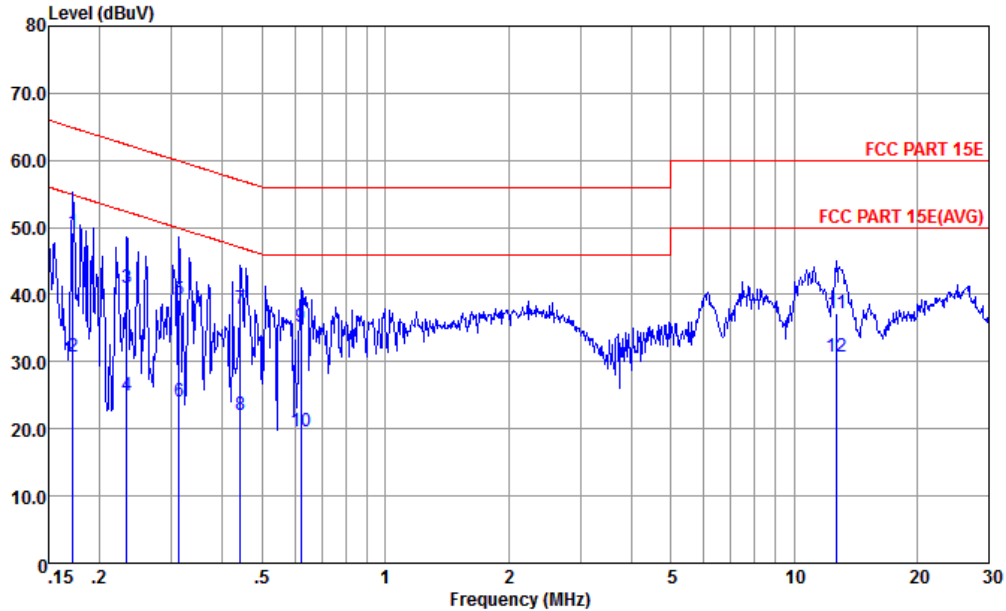


Site : CO01-KS
Condition : FCC PART 15E LISN-060105-L LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.168	54.66	-10.42	65.08	44.20	0.03	10.43	QP
2	0.168	31.96	-23.12	55.08	21.50	0.03	10.43	Average
3	0.180	49.24	-15.26	64.50	38.80	0.03	10.41	QP
4	0.180	31.04	-23.46	54.50	20.60	0.03	10.41	Average
5	0.226	48.60	-14.01	62.61	38.20	0.05	10.35	QP
6	0.226	27.50	-25.11	52.61	17.10	0.05	10.35	Average
7	0.247	46.99	-14.87	61.86	36.59	0.06	10.34	QP
8	0.247	26.29	-25.57	51.86	15.89	0.06	10.34	Average
9	0.317	40.57	-19.23	59.80	30.20	0.07	10.30	QP
10	0.317	21.97	-27.83	49.80	11.60	0.07	10.30	Average
11	0.497	38.84	-17.21	56.05	28.50	0.10	10.24	QP
12	0.497	20.94	-25.11	46.05	10.60	0.10	10.24	Average



Test Engineer :	Amos Zhang	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
 Condition : FCC PART 15E LISN-060105-N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 *	0.172	49.33	-15.53	64.86	38.80	0.11	10.42	QP
2	0.172	30.73	-24.13	54.86	20.20	0.11	10.42	Average
3	0.233	40.94	-21.41	62.35	30.50	0.10	10.34	QP
4	0.233	25.04	-27.31	52.35	14.60	0.10	10.34	Average
5	0.313	39.20	-20.68	59.88	28.80	0.10	10.30	QP
6	0.313	24.00	-25.88	49.88	13.60	0.10	10.30	Average
7	0.442	37.86	-19.16	57.02	27.50	0.11	10.25	QP
8	0.442	21.96	-25.06	47.02	11.60	0.11	10.25	Average
9	0.621	35.25	-20.75	56.00	24.90	0.11	10.24	QP
10	0.621	19.65	-26.35	46.00	9.30	0.11	10.24	Average
11	12.716	37.25	-22.75	60.00	26.60	0.28	10.37	QP
12	12.716	30.85	-19.15	50.00	20.20	0.28	10.37	Average

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



Appendix C. Radiated Spurious Emission

Only the worst results of each operation mode are shown in the report.

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dB μ V/m)	Over Limit (dB)	Limit Line (dB μ V/m)	Read Level (dB μ V)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5149.12	62.29	-11.71	74	50.32	34	9.78	31.81	100	230	P	H
		5148.96	50.85	-3.15	54	38.88	34	9.78	31.81	100	230	A	H
	*	5176	108.93	-	-	96.87	34.07	9.81	31.82	100	230	P	H
	*	5176	102.06	-	-	90	34.07	9.81	31.82	100	230	A	H
		5146.4	55.4	-18.6	74	43.43	34	9.78	31.81	323	83	P	V
		5148.32	46.13	-7.87	54	34.16	34	9.78	31.81	323	83	A	V
	*	5182	102.08	-	-	90.02	34.07	9.81	31.82	323	83	P	V
	*	5182	95.4	-	-	83.34	34.07	9.81	31.82	323	83	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dB μ V/m)	Over Limit (dB)	Limit Line (dB μ V/m)	Read Level (dB μ V)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10355	42.63	-25.67	68.3	52.77	37.06	15.54	62.74	300	0	P	H
		10355	45.85	-22.45	68.3	55.99	37.06	15.54	62.74	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		5127.84	54.73	-19.27	74	42.78	33.97	9.77	31.79	103	226	P	H
		5112.8	44.43	-9.57	54	32.52	33.93	9.76	31.78	103	226	A	H
	*	5314	104.71	-	-	92.39	34.33	9.89	31.9	103	226	P	H
	*	5314	98.08	-	-	85.76	34.33	9.89	31.9	103	226	A	H
		5353.1	65.19	-8.81	74	52.81	34.4	9.91	31.93	103	226	P	H
		5352.4	50.89	-3.11	54	38.51	34.4	9.91	31.93	103	226	A	H
		5135.84	54.29	-19.71	74	42.34	33.97	9.77	31.79	322	74	P	V
		5126.72	44.42	-9.58	54	32.47	33.97	9.77	31.79	322	74	A	V
	*	5314	98.61	-	-	86.29	34.33	9.89	31.9	322	74	P	V
	*	5314	91.43	-	-	79.11	34.33	9.89	31.9	322	74	A	V
		5351.1	58.39	-15.61	74	46.01	34.4	9.91	31.93	322	74	P	V
		5350.8	45.88	-8.12	54	33.5	34.4	9.91	31.93	322	74	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		10619	43.8	-30.2	74	53.44	37.21	15.68	62.53	300	0	P	H
		10619	43.72	-30.28	74	53.36	37.21	15.68	62.53	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5149.92	59.66	-14.34	74	47.69	34	9.78	31.81	100	224	P	H
		5149.92	50.66	-3.34	54	38.69	34	9.78	31.81	100	224	A	H
	*	5200	99.01	-	-	86.92	34.1	9.83	31.84	100	224	P	H
	*	5200	90.65	-	-	78.56	34.1	9.83	31.84	100	224	A	H
		5380.2	52.56	-21.44	74	40.18	34.4	9.93	31.95	100	224	P	H
		5389.74	44.39	-9.61	54	32.01	34.4	9.93	31.95	100	224	A	H
		5149.44	55.38	-18.62	74	43.41	34	9.78	31.81	315	76	P	V
		5148.96	45.89	-8.11	54	33.92	34	9.78	31.81	315	76	A	V
	*	5212	92.38	-	-	80.25	34.13	9.84	31.84	315	76	P	V
	*	5212	85.21	-	-	73.08	34.13	9.84	31.84	315	76	A	V
		5351.4	53.55	-20.45	74	41.17	34.4	9.91	31.93	315	76	P	V
		5362.56	44.01	-9.99	54	31.62	34.4	9.92	31.93	315	76	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10421	42.92	-25.38	68.3	52.94	37.1	15.57	62.69	300	0	P	H
		10421	42.89	-25.41	68.3	52.91	37.1	15.57	62.69	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11ax HE20 Full RU(Band Edge @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		5458.16	58.33	-15.67	74	45.8	34.5	10.02	31.99	100	231	P	H
		5467.92	60.22	-8.08	68.3	47.67	34.5	10.04	31.99	100	231	P	H
		5460	50.72	-3.28	54	38.19	34.5	10.02	31.99	100	231	A	H
	*	5494	111.55	-	-	98.99	34.5	10.07	32.01	100	231	P	H
	*	5494	104.46	-	-	91.9	34.5	10.07	32.01	100	231	A	H
		5459.44	53.68	-20.32	74	41.15	34.5	10.02	31.99	300	92	P	V
		5469.36	55.79	-12.51	68.3	43.24	34.5	10.04	31.99	300	92	P	V
		5459.92	45.71	-8.29	54	33.18	34.5	10.02	31.99	300	92	A	V
	*	5500	102.18	-	-	89.6	34.5	10.09	32.01	300	92	P	V
*	5500	95.82	-	-	83.24	34.5	10.09	32.01	300	92	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE20 Full RU (Harmonic @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 100 5500MHz		11004	46.75	-27.25	74	55.81	38.1	14.56	61.72	300	0	P	H
		11004	45.9	-28.1	74	54.96	38.1	14.56	61.72	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2C 5470~5725MHz

WIFI 802.11ax HE20 Partial RU_52 Tone (Band Edge @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Partial 52/37 CH 36 5180MHz		5140.64	65.06	-8.94	74	53.07	34	9.78	31.79	100	206	P	H
		5143.2	50.82	-3.18	54	38.83	34	9.78	31.79	100	206	A	H
	*	5176	115.55	-	-	103.49	34.07	9.81	31.82	100	206	P	H
	*	5176	108.52	-	-	96.46	34.07	9.81	31.82	100	206	A	H
		5149.92	54.98	-19.02	74	43.01	34	9.78	31.81	299	79	P	V
		5149.6	44.56	-9.44	54	32.59	34	9.78	31.81	299	79	A	V
	*	5170	108.42	-	-	96.41	34.03	9.8	31.82	299	79	P	V
	*	5170	101.61	-	-	89.6	34.03	9.8	31.82	299	79	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11ax HE40 Full RU (Band Edge @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5147.84	59.53	-14.47	74	47.56	34	9.78	31.81	100	228	P	H
		5150	50.81	-3.19	54	38.84	34	9.78	31.81	100	228	A	H
	*	5200	105.91	-	-	93.82	34.1	9.83	31.84	100	228	P	H
	*	5200	98.65	-	-	86.56	34.1	9.83	31.84	100	228	A	H
		5365.8	53.63	-20.37	74	41.24	34.4	9.92	31.93	100	228	P	H
		5352.48	44.68	-9.32	54	32.3	34.4	9.91	31.93	100	228	A	H
		5144.48	55.97	-18.03	74	44	34	9.78	31.81	372	67	P	V
		5149.92	46.78	-7.22	54	34.81	34	9.78	31.81	372	67	A	V
	*	5188	98.3	-	-	86.24	34.07	9.81	31.82	372	67	P	V
	*	5188	91.05	-	-	78.99	34.07	9.81	31.82	372	67	A	V
		5397.66	53.21	-20.79	74	40.82	34.4	9.94	31.95	372	67	P	V
		5367.96	44.59	-9.41	54	32.2	34.4	9.92	31.93	372	67	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE40 Full RU (Harmonic @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		10377	45.1	-23.2	68.3	55.51	37.28	14.15	61.84	300	0	P	H
		10377	45.57	-22.73	68.3	55.98	37.28	14.15	61.84	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11ax HE40 Partial RU_242 Tone (Band Edge @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Partial 242/61 CH 102 5510MHz		5446	62.46	-11.54	74	49.92	34.5	10.02	31.98	100	229	P	H
		5463.12	65.04	-3.26	68.3	52.49	34.5	10.04	31.99	100	229	P	H
		5459.92	50.86	-3.14	54	38.33	34.5	10.02	31.99	100	229	A	H
	*	5494	110.73	-	-	98.17	34.5	10.07	32.01	100	229	P	H
	*	5494	103.02	-	-	90.46	34.5	10.07	32.01	100	229	A	H
		5726.36	56	-12.3	68.3	42.86	34.83	10.35	32.04	100	229	P	H
		5457.36	54.36	-19.64	74	41.83	34.5	10.02	31.99	287	69	P	V
		5466.96	58.53	-9.77	68.3	45.98	34.5	10.04	31.99	287	69	P	V
		5459.12	45.76	-8.24	54	33.23	34.5	10.02	31.99	287	69	A	V
	*	5500	102.54	-	-	89.96	34.5	10.09	32.01	287	69	P	V
	*	5500	94.53	-	-	81.95	34.5	10.09	32.01	287	69	A	V
		5753.16	55.48	-12.82	68.3	42.19	34.93	10.37	32.01	287	69	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11ax HE80 Full RU (Band Edge @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		5458	61.1	-12.9	74	48.57	34.5	10.02	31.99	104	227	P	H
		5468.72	61.27	-7.03	68.3	48.72	34.5	10.04	31.99	104	227	P	H
		5457.52	50.8	-3.2	54	38.27	34.5	10.02	31.99	104	227	A	H
	*	5530	101.66	-	-	89.08	34.5	10.12	32.04	104	227	P	H
	*	5530	93.12	-	-	80.54	34.5	10.12	32.04	104	227	A	H
		5729.08	55.43	-12.87	68.3	42.29	34.83	10.35	32.04	104	227	P	H
		5458.64	53.64	-20.36	74	41.11	34.5	10.02	31.99	300	100	P	V
		5468.56	55.87	-12.43	68.3	43.32	34.5	10.04	31.99	300	100	P	V
		5458.32	46.54	-7.46	54	34.01	34.5	10.02	31.99	300	100	A	V
	*	5530	94.37	-	-	81.79	34.5	10.12	32.04	300	100	P	V
	*	5530	85.11	-	-	72.53	34.5	10.12	32.04	300	100	A	V
		5763.48	55.75	-12.55	68.3	42.44	34.93	10.37	31.99	300	100	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

WIFI 802.11ax HE80 Full RU (Harmonic @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 106 5530MHz		11059	46.92	-27.08	74	55.83	38.17	14.61	61.69	300	0	P	H
		11059	45.3	-28.7	74	54.21	38.17	14.61	61.69	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11ax HE80 Partial RU_484 Tone (Band Edge @ 3m)

WIFI Ant. 2+9	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Partial484/65 CH 42 5210MHz		5149.92	59.54	-14.46	74	47.57	34	9.78	31.81	100	224	P	H
		5149.92	50.82	-3.18	54	38.85	34	9.78	31.81	100	224	A	H
	*	5170	105.29	-	-	93.28	34.03	9.8	31.82	100	224	P	H
	*	5170	97.33	-	-	85.32	34.03	9.8	31.82	100	224	A	H
		5385.06	53.49	-20.51	74	41.11	34.4	9.93	31.95	100	224	P	H
		5362.38	44.43	-9.57	54	32.04	34.4	9.92	31.93	100	224	A	H
		5141.28	55.25	-18.75	74	43.26	34	9.78	31.79	300	77	P	V
		5149.44	46.52	-7.48	54	34.55	34	9.78	31.81	300	77	A	V
	*	5182	97.4	-	-	85.34	34.07	9.81	31.82	300	77	P	V
	*	5182	89.96	-	-	77.9	34.07	9.81	31.82	300	77	A	V
		5367.78	53.53	-20.47	74	41.14	34.4	9.92	31.93	300	77	P	V
		5375.34	44.28	-9.72	54	31.91	34.4	9.92	31.95	300	77	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz
WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2+9		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40LF		30.97	21.22	-18.78	40	28.82	24.32	0.89	32.81	-	-	P	H
		134.76	13.95	-29.55	43.5	28.39	16.63	1.84	32.91	-	-	P	H
		251.16	16.7	-29.3	46	28.65	18.51	2.55	33.01	-	-	P	H
		544.1	23.74	-22.26	46	28.41	24.95	3.72	33.34	-	-	P	H
		656.62	26.16	-19.84	46	29.15	26.23	4.09	33.31	-	-	P	H
		788.54	27.91	-18.09	46	28.26	28.15	4.48	32.98	-	-	P	H
		30.97	21.22	-18.78	40	28.82	24.32	0.89	32.81	-	-	P	V
		139.61	14.38	-29.12	43.5	28.67	16.75	1.87	32.91	-	-	P	V
		281.23	16.89	-29.11	46	28.25	18.94	2.7	33	-	-	P	V
		470.38	22.6	-23.4	46	29.2	23.2	3.47	33.27	-	-	P	V
		656.62	26.16	-19.84	46	29.15	26.23	4.09	33.31	-	-	P	V
		840.92	28.39	-17.61	46	27.66	28.86	4.63	32.76	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Co-location Mode

WIFI 802.11n HT40 & LTE_B30_BW_10M (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		5101.12	54.98	-19.02	74	43.12	33.9	9.74	31.78	103	122	P	H
		5107.04	45.8	-8.2	54	33.89	33.93	9.76	31.78	103	122	A	H
	*	5314	104.41	-	-	92.09	34.33	9.89	31.9	103	122	P	H
	*	5314	97.96	-	-	85.64	34.33	9.89	31.9	103	122	A	H
		5354.7	65.61	-8.39	74	53.23	34.4	9.91	31.93	103	122	P	H
		5350.1	48.19	-5.81	54	35.81	34.4	9.91	31.93	103	122	A	H
		5102.24	54.89	-19.11	74	43.03	33.9	9.74	31.78	349	76	P	V
		5121.28	45.36	-8.64	54	33.46	33.93	9.76	31.79	349	76	A	V
	*	5314	99.48	-	-	87.16	34.33	9.89	31.9	349	76	P	V
	*	5314	92.58	-	-	80.26	34.33	9.89	31.9	349	76	A	V
		5350.5	61.63	-12.37	74	49.25	34.4	9.91	31.93	349	76	P	V
		5350.3	48.02	-5.98	54	35.64	34.4	9.91	31.93	349	76	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2A 5250~5350MHz

WIFI 802.11n HT40 & LTE_B30_BW_10M (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 62 5310MHz		10619	45.73	-28.27	74	50.91	38.2	18.26	61.64	300	0	P	H
		10619	45.15	-28.85	74	50.33	38.2	18.26	61.64	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical



A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2+9		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
= 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
= 43.54(dBμV/m) – 54(dBμV/m)
= -10.46(dB)

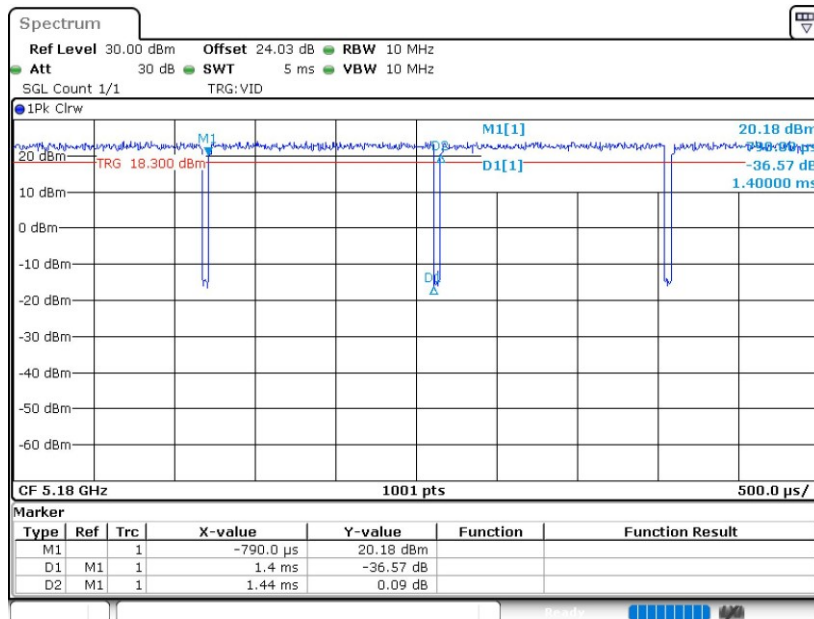
Both peak and average measured complies with the limit line, so test result is “PASS”.



Appendix D. Duty Cycle Plots

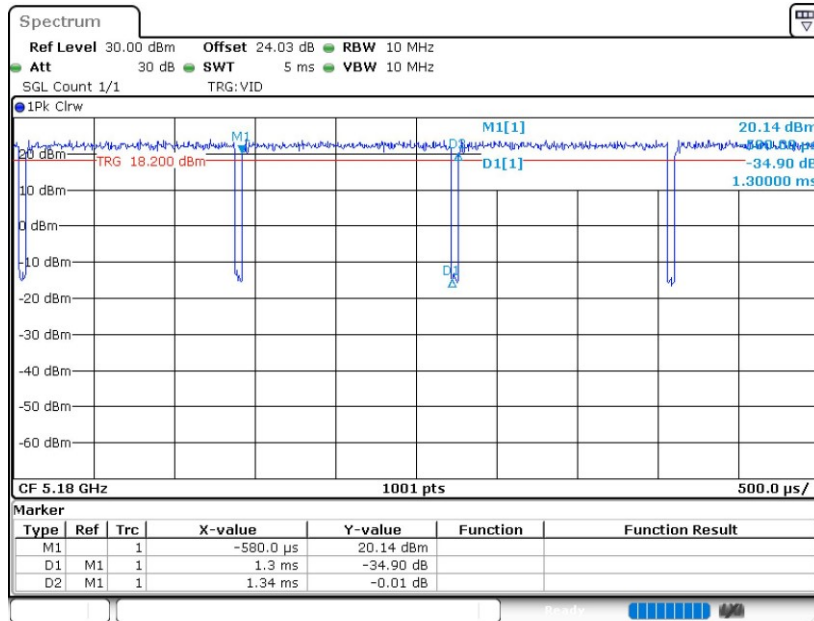
Antenna	Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
1+2	802.11a	97.22	1.400	0.714	0.75KHz
1+2	802.11an HT20	97.01	1.300	0.769	0.82KHz
1+2	802.11an HT40	94.12	0.640	1.563	1.6KHz
1+2	802.11ac VHT80	89.19	0.330	3.030	3.3KHz
1+2	802.11ax HE20	96.19	1.010	0.990	1KHz
1+2	802.11ax HE40	91.38	0.530	1.887	2KHz
1+2	802.11ax HE80	85.29	0.290	3.448	3.6kHz

802.11a

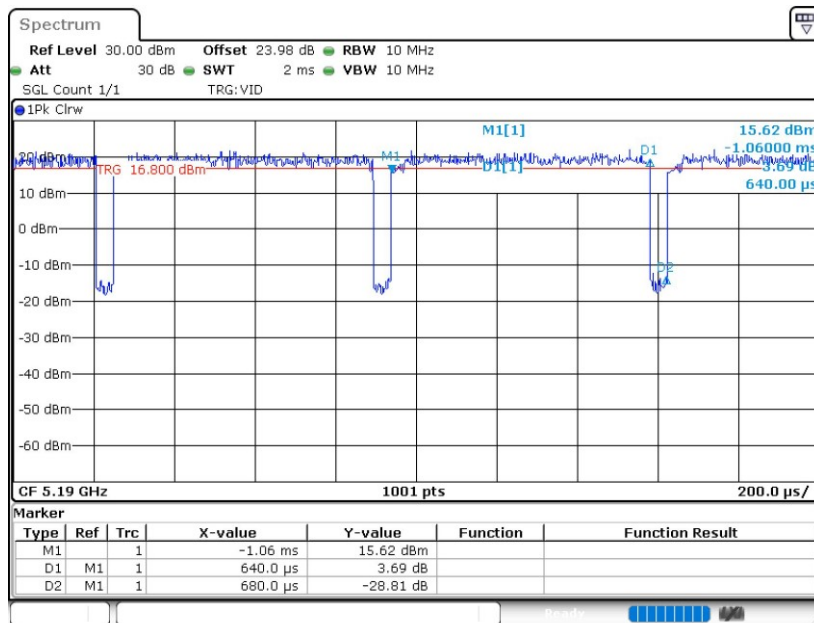




802.11an HT20

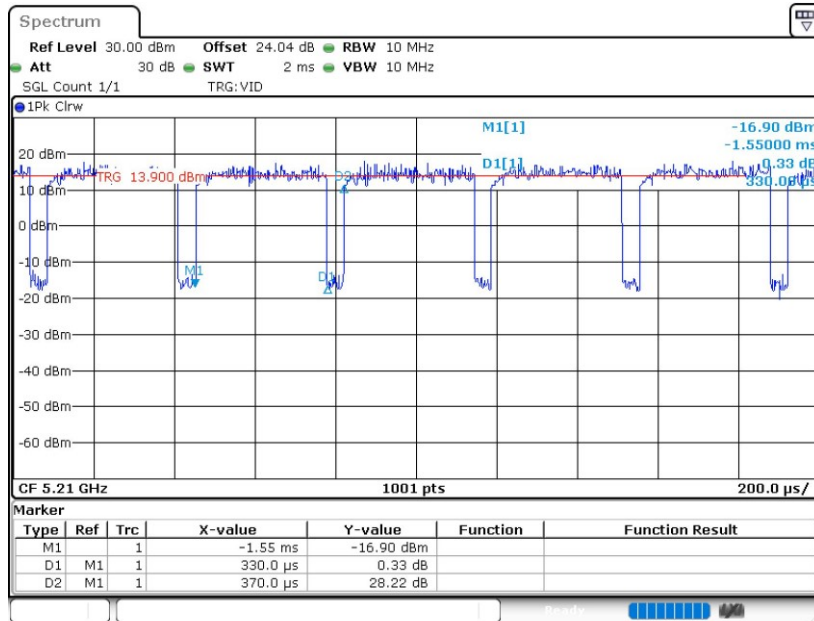


802.11an HT40

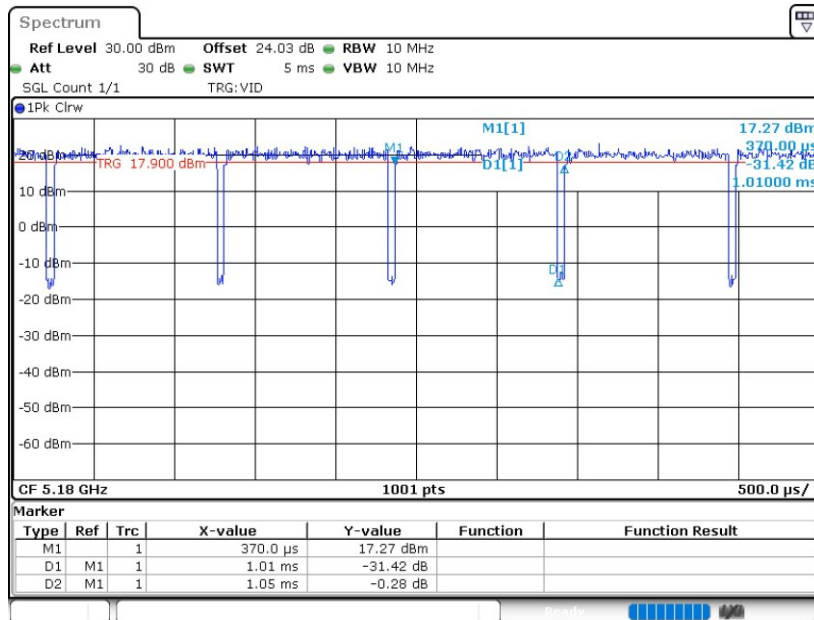




802.11ac VHT80

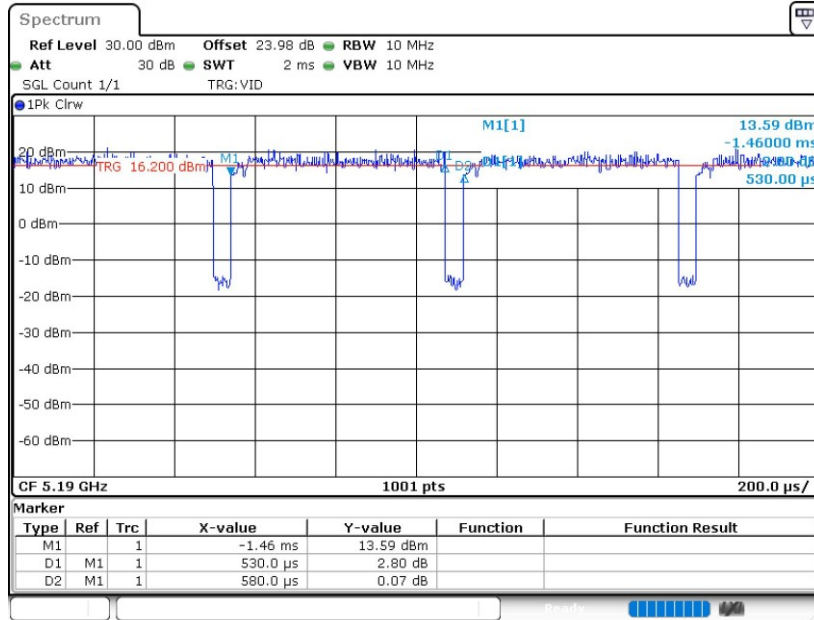


802.11ax HE20





802.11ax HE40



802.11ax HE80

