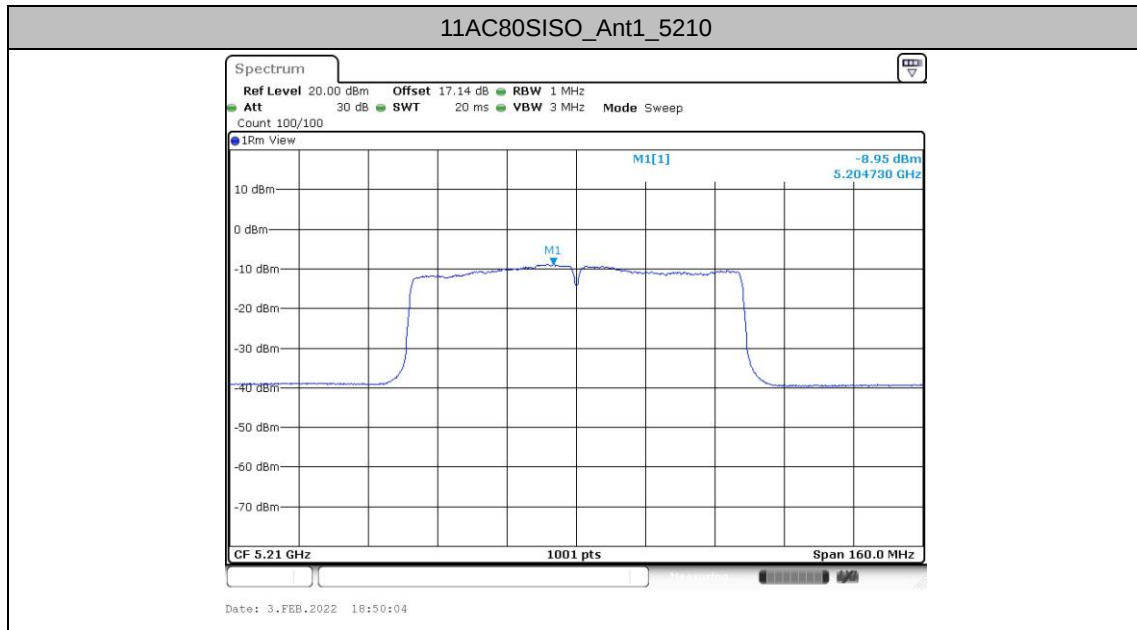
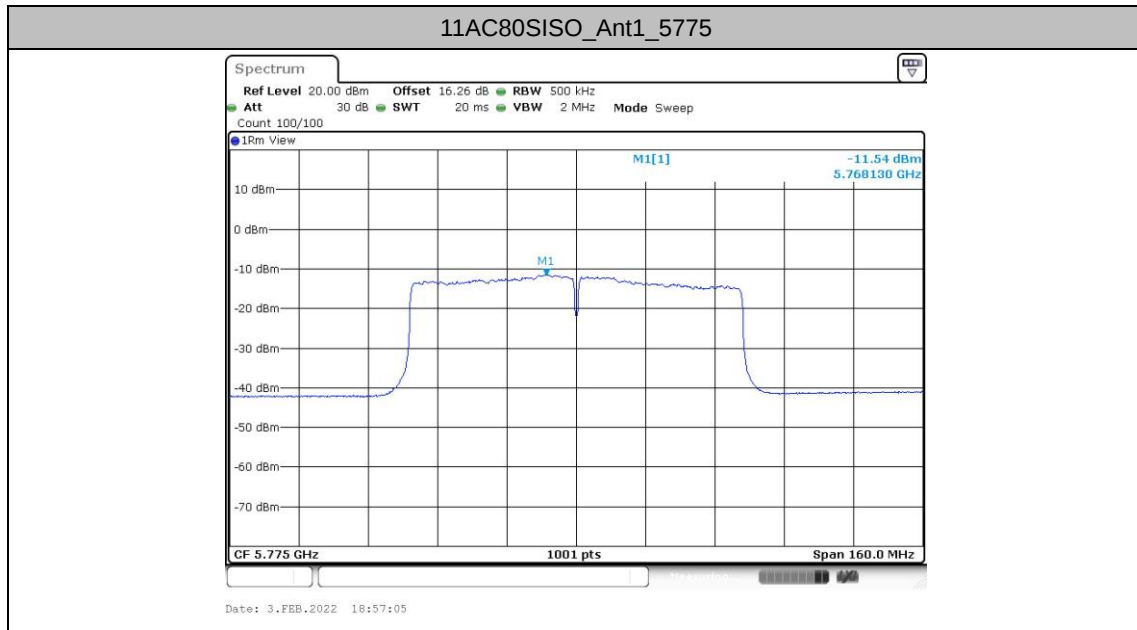


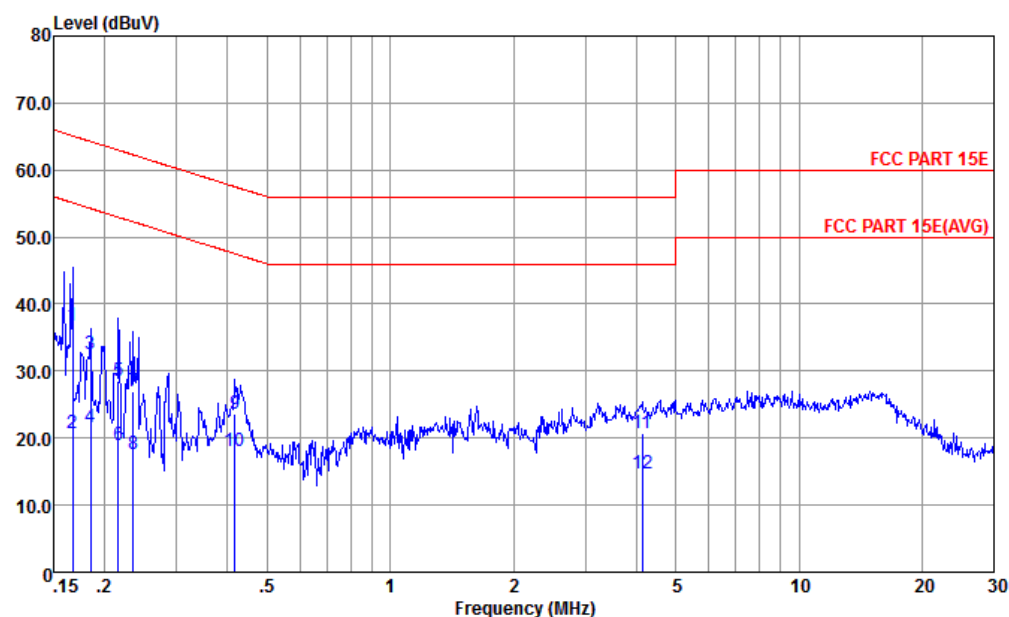






Appendix B. AC Conducted Emission Test Results

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.		

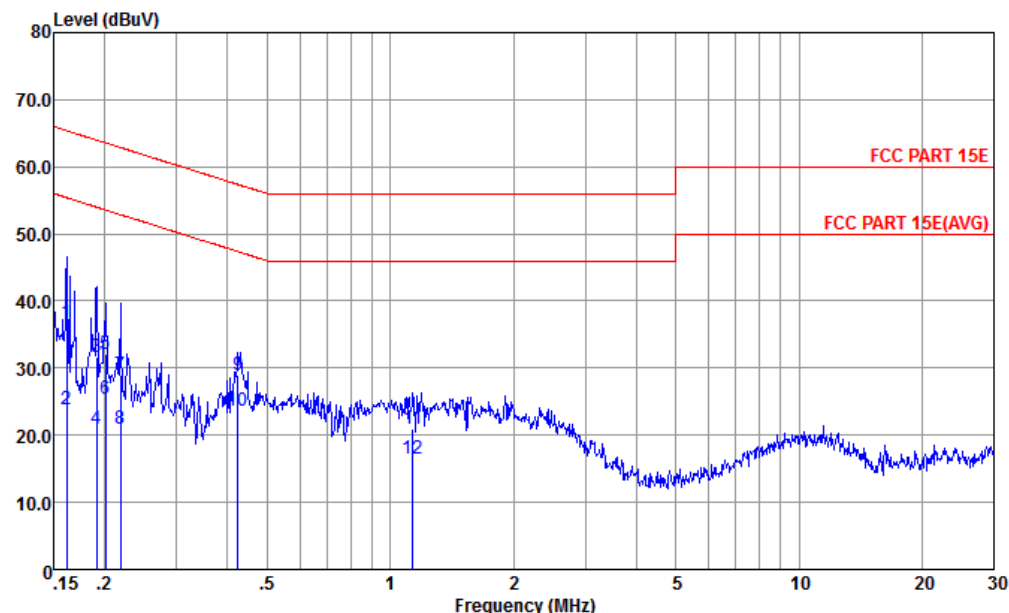


Site : CO01-KS
Condition : FCC PART 15E LISN-060105-L LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.167	36.66	-28.46	65.12	26.19	0.03	10.44	QP
2	0.167	20.76	-34.36	55.12	10.29	0.03	10.44	Average
3	0.184	32.63	-31.65	64.28	22.20	0.03	10.40	QP
4	0.184	21.63	-32.65	54.28	11.20	0.03	10.40	Average
5	0.216	28.60	-34.36	62.96	18.20	0.05	10.35	QP
6	0.216	19.00	-33.96	52.96	8.60	0.05	10.35	Average
7	0.235	26.89	-35.37	62.26	16.50	0.05	10.34	QP
8	0.235	17.49	-34.77	52.26	7.10	0.05	10.34	Average
9	0.417	23.65	-33.86	57.51	13.30	0.09	10.26	QP
10	0.417	18.15	-29.36	47.51	7.80	0.09	10.26	Average
11	4.136	20.62	-35.38	56.00	10.20	0.17	10.25	QP
12	4.136	14.72	-31.28	46.00	4.30	0.17	10.25	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	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.162	36.76	-28.62	65.38	26.20	0.11	10.45	QP
2	0.162	23.86	-31.52	55.38	13.30	0.11	10.45	Average
3	0.191	31.68	-32.30	63.98	21.20	0.10	10.38	QP
4	0.191	20.98	-33.00	53.98	10.50	0.10	10.38	Average
5	0.201	32.06	-31.52	63.58	21.60	0.10	10.36	QP
6	0.201	25.36	-28.22	53.58	14.90	0.10	10.36	Average
7	0.219	28.95	-33.93	62.88	18.50	0.10	10.35	QP
8	0.219	21.05	-31.83	52.88	10.60	0.10	10.35	Average
9	0.424	28.86	-28.51	57.37	18.49	0.11	10.26	QP
10 *	0.424	23.56	-23.81	47.37	13.19	0.11	10.26	Average
11	1.135	20.86	-35.14	56.00	10.51	0.12	10.23	QP
12	1.135	16.46	-29.54	46.00	6.11	0.12	10.23	Average

Note:

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



Appendix C. Radiated Spurious Emission

Sample 1-UNII-1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamplifier Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5125.12	58.73	-15.27	74	43.03	34.37	10.61	29.28	270	105	P	H
		5112.48	48.69	-5.31	54	33.01	34.33	10.61	29.26	270	105	A	H
	*	5182	104.69	-	-	88.93	34.47	10.63	29.34	270	105	P	H
		5182	97.7	-	-	81.94	34.47	10.63	29.34	270	105	A	H
		5124.8	58.25	-15.75	74	42.55	34.37	10.61	29.28	101	47	P	V
		5109.76	48.29	-5.71	54	32.61	34.33	10.61	29.26	101	47	A	V
	*	5182	99.68	-	-	83.92	34.47	10.63	29.34	101	47	P	V
		5182	92.86	-	-	77.1	34.47	10.63	29.34	101	47	A	V
802.11a CH 44 5220MHz		5139.68	58.51	-15.49	74	42.77	34.4	10.62	29.28	263	113	P	H
		5131.84	48.52	-5.48	54	32.82	34.37	10.61	29.28	263	113	A	H
	*	5218	105.14	-	-	89.34	34.5	10.66	29.36	263	113	P	H
		5218	97.67	-	-	81.87	34.5	10.66	29.36	263	113	A	H
		5357.34	56.85	-17.15	74	41.04	34.5	10.83	29.52	263	113	P	H
		5360.76	46.1	-7.9	54	30.27	34.5	10.85	29.52	263	113	A	H
		5122.72	58.29	-15.71	74	42.59	34.37	10.61	29.28	103	78	P	V
		5113.76	48.41	-5.59	54	32.73	34.33	10.61	29.26	103	78	A	V
	*	5218	99	-	-	83.2	34.5	10.66	29.36	103	78	P	V
		5218	92.13	-	-	76.33	34.5	10.66	29.36	103	78	A	V
		5371.56	56.38	-17.62	74	40.55	34.5	10.85	29.52	103	78	P	V
		5351.4	46.07	-7.93	54	30.26	34.5	10.83	29.52	103	78	A	V



802.11a CH 48 5240MHz		5387.04	56.43	-17.57	74	40.61	34.5	10.87	29.55	292	116	P	H
		5388.84	46.18	-7.82	54	30.36	34.5	10.87	29.55	292	116	A	H
	*	5242	104.31	-	-	88.5	34.5	10.7	29.39	292	116	P	H
		5242	96.49	-	-	80.68	34.5	10.7	29.39	292	116	A	H
		5354.82	56.09	-17.91	74	40.28	34.5	10.83	29.52	100	78	P	V
		5383.44	46.07	-7.93	54	30.25	34.5	10.87	29.55	100	78	A	V
	*	5236	101.3	-	-	85.51	34.5	10.68	29.39	100	78	P	V
		5236	94.28	-	-	78.49	34.5	10.68	29.39	100	78	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1-UNII-1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11a CH 36 5180MHz		10360	43.36	-24.94	68.3	56.85	37.41	15.56	66.46	100	0	P	H
		10360	44.09	-24.21	68.3	57.58	37.41	15.56	66.46	300	360	P	V
802.11a CH 44 5220MHz		10440	43.89	-24.41	68.3	57.19	37.48	15.6	66.38	300	0	P	H
		10440	44.26	-24.04	68.3	57.56	37.48	15.6	66.38	100	360	P	V
802.11a CH 48 5240MHz		10480	43.78	-24.52	68.3	56.93	37.54	15.63	66.32	100	360	P	H
		10480	44.5	-23.8	68.3	57.65	37.54	15.63	66.32	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1-UNII-1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	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 HT20 CH 36 5180MHz		5148.96	58.07	-15.93	74	42.36	34.4	10.62	29.31	100	120	P	H
		5115.52	48.93	-5.07	54	33.25	34.33	10.61	29.26	100	120	A	H
	*	5176	103.94	-	-	88.18	34.47	10.63	29.34	100	120	P	H
		5176	95.96	-	-	80.2	34.47	10.63	29.34	100	120	A	H
		5134.88	57.8	-16.2	74	42.1	34.37	10.61	29.28	312	10	P	V
		5108.96	48.59	-5.41	54	32.91	34.33	10.61	29.26	312	10	A	V
	*	5176	98.42	-	-	82.66	34.47	10.63	29.34	312	10	P	V
		5176	91.03	-	-	75.27	34.47	10.63	29.34	312	10	A	V
802.11n HT20 CH 44 5220MHz		5140.64	58.33	-15.67	74	42.59	34.4	10.62	29.28	100	114	P	H
		5131.68	49.1	-4.9	54	33.4	34.37	10.61	29.28	100	115	A	H
	*	5218	105.14	-	-	89.34	34.5	10.66	29.36	100	114	P	H
		5218	97.6	-	-	81.8	34.5	10.66	29.36	100	114	A	H
		5371.02	55.6	-18.4	74	39.77	34.5	10.85	29.52	100	114	P	H
		5352.66	46.02	-7.98	54	30.21	34.5	10.83	29.52	100	115	A	H
		5138.72	59.09	-14.91	74	43.39	34.37	10.61	29.28	321	5	P	V
		5118.56	48.35	-5.65	54	32.69	34.33	10.61	29.28	321	5	A	V
	*	5224	100.13	-	-	84.36	34.5	10.66	29.39	321	5	P	V
		5224	93.35	-	-	77.58	34.5	10.66	29.39	321	5	A	V
		5351.94	55.58	-18.42	74	39.77	34.5	10.83	29.52	321	5	P	V
		5351.76	46.15	-7.85	54	30.34	34.5	10.83	29.52	321	5	A	V



802.11n HT20 CH 48 5240MHz		5390.64	55.48	-18.52	74	39.66	34.5	10.87	29.55	100	114	P	H
		5383.44	45.87	-8.13	54	30.05	34.5	10.87	29.55	100	114	A	H
	*	5236	104.03	-	-	88.24	34.5	10.68	29.39	100	114	P	H
		5236	96.38	-	-	80.59	34.5	10.68	29.39	100	114	A	H
		5390.46	55.8	-18.2	74	39.98	34.5	10.87	29.55	317	6	P	V
		5358.24	45.98	-8.02	54	30.17	34.5	10.83	29.52	317	6	A	V
	*	5242	98.96	-	-	83.15	34.5	10.7	29.39	317	6	P	V
		5242	91.82	-	-	76.01	34.5	10.7	29.39	317	6	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1-UNII-1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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 HT20 CH 36 5180MHz		10360	43.62	-24.68	68.3	57.11	37.41	15.56	66.46	100	360	P	H
		10360	44.36	-23.94	68.3	57.85	37.41	15.56	66.46	100	0	P	V
802.11n HT20 CH 44 5220MHz		10440	43.95	-24.35	68.3	57.25	37.48	15.6	66.38	100	0	P	H
		10440	44.05	-24.25	68.3	57.35	37.48	15.6	66.38	100	360	P	V
802.11n HT20 CH 48 5240MHz		10480	46.45	-21.85	68.3	59.6	37.54	15.63	66.32	100	360	P	H
		10480	45.23	-23.07	68.3	58.38	37.54	15.63	66.32	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1-UNII-1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	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 38 5190MHz		5114.56	58.38	-15.62	74	42.7	34.33	10.61	29.26	267	112	P	H
		5144.8	49.22	-4.78	54	33.51	34.4	10.62	29.31	267	112	A	H
	*	5194	101.67	-	-	85.87	34.5	10.64	29.34	267	112	P	H
		5194	94.02	-	-	78.22	34.5	10.64	29.34	267	112	A	H
		5371.2	55.39	-18.61	74	39.56	34.5	10.85	29.52	267	112	P	H
		5351.04	46	-8	54	30.19	34.5	10.83	29.52	267	112	A	H
		5112.16	59.3	-14.7	74	43.62	34.33	10.61	29.26	100	224	P	V
		5142.4	48.16	-5.84	54	32.42	34.4	10.62	29.28	100	224	A	V
	*	5194	94.1	-	-	78.3	34.5	10.64	29.34	100	224	P	V
		5194	87.17	-	-	71.37	34.5	10.64	29.34	100	224	A	V
		5383.98	56.31	-17.69	74	40.49	34.5	10.87	29.55	100	224	P	V
		5378.04	45.74	-8.26	54	29.92	34.5	10.87	29.55	100	224	A	V
802.11n HT40 CH 46 5230MHz		5108.32	57.91	-16.09	74	42.23	34.33	10.61	29.26	264	109	P	H
		5116.96	48.52	-5.48	54	32.84	34.33	10.61	29.26	264	109	A	H
	*	5224	100.75	-	-	84.98	34.5	10.66	29.39	264	109	P	H
		5224	94.36	-	-	78.59	34.5	10.66	29.39	264	109	A	H
		5367.42	55.8	-18.2	74	39.97	34.5	10.85	29.52	264	109	P	H
		5356.26	46.01	-7.99	54	30.2	34.5	10.83	29.52	264	109	A	H
		5144.64	58.42	-15.58	74	42.71	34.4	10.62	29.31	100	80	P	V
		5129.28	48.33	-5.67	54	32.63	34.37	10.61	29.28	100	80	A	V
	*	5230	94.72	-	-	78.93	34.5	10.68	29.39	100	80	P	V
		5230	87.56	-	-	71.77	34.5	10.68	29.39	100	80	A	V
		5363.64	56.08	-17.92	74	40.25	34.5	10.85	29.52	100	80	P	V
		5397.3	45.77	-8.23	54	29.93	34.5	10.89	29.55	100	80	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1-UNII-1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	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 38 5190MHz		10380	44.65	-23.65	68.3	58.09	37.43	15.57	66.44	100	83	P	H
		10380	45.32	-22.98	68.3	58.76	37.43	15.57	66.44	100	0	P	V
802.11n HT40 CH 46 5230MHz		10460	45.12	-23.18	68.3	58.37	37.5	15.61	66.36	100	360	P	H
		10460	44.54	-23.76	68.3	57.79	37.5	15.61	66.36	100	359	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



Sample1-UNII-1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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		5100.64	58.92	-15.08	74	43.28	34.3	10.6	29.26	310	105	P	H
		5116.16	49.62	-4.38	54	33.94	34.33	10.61	29.26	310	105	A	H
	*	5206	96.75	-	-	80.97	34.5	10.64	29.36	310	105	P	H
		5206	89.49	-	-	73.71	34.5	10.64	29.36	310	105	A	H
		5385.42	55.57	-18.43	74	39.75	34.5	10.87	29.55	310	105	P	H
		5355.36	47.73	-6.27	54	31.92	34.5	10.83	29.52	310	105	A	H
		5120.16	58.4	-15.6	74	42.74	34.33	10.61	29.28	299	73	P	V
		5115.04	49.34	-4.66	54	33.66	34.33	10.61	29.26	299	73	A	V
	*	5218	94.4	-	-	78.6	34.5	10.66	29.36	299	73	P	V
		5218	87.35	-	-	71.55	34.5	10.66	29.36	299	73	A	V
		5375.7	55.56	-18.44	74	39.76	34.5	10.85	29.55	299	73	P	V
		5371.92	47.36	-6.64	54	31.53	34.5	10.85	29.52	299	73	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1-UNII-1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	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		10421	43.6	-24.7	68.3	56.94	37.47	15.59	66.4	100	0	P	H
CH 42 5210MHz		10421	44.52	-23.78	68.3	57.86	37.47	15.59	66.4	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample3-UNII-1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		10360	44.04	-24.26	68.3	57.53	37.41	15.56	66.46	300	0	P	H
CH 36		10360	45.61	-22.69	68.3	59.1	37.41	15.56	66.46	100	0	P	V
5180MHz													
802.11a		10440	45.47	-22.83	68.3	58.77	37.48	15.6	66.38	100	360	P	H
CH 44		10440	44.62	-23.68	68.3	57.92	37.48	15.6	66.38	300	0	P	V
5220MHz													
802.11a		10480	44.43	-23.87	68.3	57.58	37.54	15.63	66.32	100	360	P	H
CH 48		10480	45.17	-23.13	68.3	58.32	37.54	15.63	66.32	300	0	P	V
5240MHz													
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample3-UNII-1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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 HT20 CH 36 5180MHz		10360	44.38	-23.92	68.3	57.87	37.41	15.56	66.46	100	360	P	H
		10360	43.44	-24.86	68.3	56.93	37.41	15.56	66.46	100	360	P	V
802.11n HT20 CH 44 5220MHz		10440	44.09	-24.21	68.3	57.39	37.48	15.6	66.38	300	360	P	H
		10440	44.2	-24.1	68.3	57.5	37.48	15.6	66.38	100	360	P	V
802.11n HT20 CH 48 5240MHz		10480	43.57	-24.73	68.3	56.72	37.54	15.63	66.32	300	360	P	H
		10480	43.86	-24.44	68.3	57.01	37.54	15.63	66.32	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample3-UNII-1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	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 38 5190MHz		10380	44.07	-24.23	68.3	57.51	37.43	15.57	66.44	100	0	P	H
		10380	44.19	-24.11	68.3	57.63	37.43	15.57	66.44	300	0	P	V
802.11n HT40 CH 46 5230MHz		10460	43.3	-25	68.3	56.55	37.5	15.61	66.36	100	0	P	V
		10460	43.25	-25.05	68.3	56.5	37.5	15.61	66.36	300	360	P	H
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



Sample3-UNII-1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	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		10420	44.44	-23.86	68.3	57.78	37.47	15.59	66.4	300	0	P	H
		10420	43.84	-24.46	68.3	57.18	37.47	15.59	66.4	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample2- UNII-1 - 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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		5119.36	57.62	-16.38	74	41.96	34.33	10.61	29.28	350	118	P	H
		5116	48.98	-5.02	54	33.3	34.33	10.61	29.26	350	118	A	H
	*	5218	95.08	-	-	79.28	34.5	10.66	29.36	350	118	P	H
		5218	87.47	-	-	71.67	34.5	10.66	29.36	350	118	A	H
		5352.66	56.13	-17.87	74	40.32	34.5	10.83	29.52	350	118	P	H
		5391.18	45.66	-8.34	54	29.84	34.5	10.87	29.55	350	118	A	H
		5111.84	58.43	-15.57	74	42.75	34.33	10.61	29.26	355	70	P	V
		5119.84	48.02	-5.98	54	32.36	34.33	10.61	29.28	356	71	A	V
	*	5218	94.69	-	-	78.89	34.5	10.66	29.36	355	70	P	V
		5218	86.9	-	-	71.1	34.5	10.66	29.36	355	70	A	V
		5352.84	55.45	-18.55	74	39.64	34.5	10.83	29.52	355	70	P	V
		5375.7	46.02	-7.98	54	30.22	34.5	10.85	29.55	356	71	A	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Sample2- UNII-1 - 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	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		10421	42.94	-25.36	68.3	56.28	37.47	15.59	66.4	100	0	P	H
CH 42 5210MHz		10421	42.9	-25.4	68.3	56.24	37.47	15.59	66.4	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11ac VHT80 LF		38.73	27.42	-12.58	40	39.38	20.1	0.84	32.9	-	-	P	H
		86.26	24.27	-15.73	40	41.93	13.9	1.33	32.89	-	-	P	H
		213.33	23.26	-20.24	43.5	39.25	14.92	2.09	33	-	-	P	H
		324.88	25.81	-20.19	46	36.72	19.4	2.65	32.96	-	-	P	H
		457.77	26.39	-19.61	46	33.51	22.96	3.14	33.22	-	-	P	H
		565.44	27.96	-18.04	46	31.85	26.1	3.33	33.32	-	-	P	H
		38.73	30.44	-9.56	40	42.4	20.1	0.84	32.9	-	-	P	V
		87.23	25.77	-14.23	40	43.33	14	1.33	32.89	-	-	P	V
		171.62	16.72	-26.78	43.5	32.55	15.2	1.91	32.94	-	-	P	V
		324.88	21.4	-24.6	46	32.31	19.4	2.65	32.96	-	-	P	V
		565.44	27.57	-18.43	46	31.46	26.1	3.33	33.32	-	-	P	V
		613.94	27.61	-18.39	46	31.65	25.58	3.67	33.29	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Sample1--UNII-3 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	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)
802.11a CH 149 5745MHz		5606.4	56.37	-11.93	68.3	40.36	34.6	11.19	29.78	100	293	P	H
		5689.6	57.17	-40.46	97.63	40.91	34.78	11.28	29.8	100	293	P	H
		5716.4	57.57	-52.32	109.89	41.24	34.82	11.3	29.79	100	293	P	H
		5724.8	60.04	-61.8	121.84	43.66	34.85	11.32	29.79	100	293	P	H
		5746	105.06	-	-	88.61	34.89	11.34	29.78	100	293	P	H
		5746	97.54	-	-	81.09	34.89	11.34	29.78	100	293	A	H
		5613.6	57.46	-10.84	68.3	41.45	34.6	11.19	29.78	400	40	P	V
		5693.2	58.94	-41.35	100.29	42.68	34.78	11.28	29.8	400	40	P	V
		5714.4	57.13	-52.2	109.33	40.8	34.82	11.3	29.79	400	40	P	V
		5723.6	56.22	-62.89	119.11	39.84	34.85	11.32	29.79	400	40	P	V
		5740	100.49	-	-	84.04	34.89	11.34	29.78	400	40	P	V
		5740	92.25	-	-	75.8	34.89	11.34	29.78	400	40	A	V



WIFI Ant. 1	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)
802.11a CH 157 5785MHz		5646.8	57.55	-10.75	68.3	41.46	34.67	11.23	29.81	100	286	P	H
		5683.2	57.13	-35.77	92.9	40.92	34.75	11.26	29.8	100	286	P	H
		5714	57.2	-52.02	109.22	40.87	34.82	11.3	29.79	100	286	P	H
		5721.2	55.64	-58	113.64	39.26	34.85	11.32	29.79	100	286	P	H
		5782	105.41	-	-	88.84	34.96	11.37	29.76	100	286	P	H
		5782	97.29	-	-	80.72	34.96	11.37	29.76	100	286	A	H
		5852.4	56.89	-59.94	116.83	40.14	35.08	11.42	29.75	100	286	P	H
		5868	57.13	-50.13	107.26	40.37	35.1	11.43	29.77	100	286	P	H
		5892	57.89	-34.79	92.68	41.09	35.15	11.45	29.8	100	286	P	H
		5938	57.78	-10.52	68.3	40.94	35.2	11.48	29.84	100	286	P	H
		5636.4	56.81	-11.49	68.3	40.72	34.67	11.23	29.81	392	35	P	V
		5697.6	57.06	-46.47	103.53	40.8	34.78	11.28	29.8	392	35	P	V
		5716.8	56.54	-53.47	110.01	40.21	34.82	11.3	29.79	392	35	P	V
		5721.6	55.85	-58.7	114.55	39.47	34.85	11.32	29.79	392	35	P	V
		5782	101.43	-	-	84.86	34.96	11.37	29.76	392	35	P	V
		5782	91.9	-	-	75.33	34.96	11.37	29.76	392	35	A	V
		5854	58.25	-54.93	113.18	41.47	35.1	11.43	29.75	392	35	P	V
		5862	57.84	-51.1	108.94	41.08	35.1	11.43	29.77	392	35	P	V
		5882	57.65	-42.45	100.1	40.86	35.12	11.44	29.77	392	35	P	V
		5925.2	57.66	-10.64	68.3	40.8	35.2	11.48	29.82	392	35	P	V



WIFI Ant. 1	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)
802.11a CH 165 5825MHz		5824	105.24	-	-	88.54	35.05	11.41	29.76	100	289	P	H
		5824	97.46	-	-	80.76	35.05	11.41	29.76	100	289	A	H
		5854.8	57.25	-54.11	111.36	40.47	35.1	11.43	29.75	100	289	P	H
		5874.8	58.59	-46.77	105.36	41.8	35.12	11.44	29.77	100	289	P	H
		5876.8	58.59	-45.37	103.96	41.8	35.12	11.44	29.77	100	289	P	H
		5936.4	58.58	-9.72	68.3	41.74	35.2	11.48	29.84	100	289	P	H
		5824	99.46	-	-	82.76	35.05	11.41	29.76	285	62	P	V
		5824	91.24	-	-	74.54	35.05	11.41	29.76	285	62	A	V
		5853.2	56.59	-58.41	115	39.84	35.08	11.42	29.75	285	62	P	V
		5864.4	57.04	-51.23	108.27	40.28	35.1	11.43	29.77	285	62	P	V
		5877.6	58.29	-45.08	103.37	41.5	35.12	11.44	29.77	285	62	P	V
		5935.2	57.47	-10.83	68.3	40.63	35.2	11.48	29.84	285	62	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1--UNII-3 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	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)
802.11a CH 149 5745MHz		11490	44.85	-29.15	74	55.76	38.39	16.15	65.45	100	0	P	H
		11490	45.47	-28.53	74	56.38	38.39	16.15	65.45	100	360	P	V
802.11a CH 157 5785MHz		11570	45.03	-28.97	74	55.8	38.45	16.19	65.41	100	360	P	H
		11570	44.78	-29.22	74	55.55	38.45	16.19	65.41	100	0	P	V
802.11a CH 165 5825MHz		11650	46.02	-27.98	74	56.68	38.49	16.22	65.37	100	0	P	H
		11650	45.63	-28.37	74	56.29	38.49	16.22	65.37	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1--UNII-3 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	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 HT20 CH 149 5745MHz		5614	58.38	-9.92	68.3	42.37	34.6	11.19	29.78	100	292	P	H
		5692.4	57.9	-41.8	99.7	41.64	34.78	11.28	29.8	100	292	P	H
		5712.4	59.01	-49.76	108.77	42.68	34.82	11.3	29.79	100	292	P	H
		5724.8	59.49	-62.35	121.84	43.11	34.85	11.32	29.79	100	292	P	H
		5746	106.07	-	-	89.62	34.89	11.34	29.78	100	292	P	H
		5746	98.18	-	-	81.73	34.89	11.34	29.78	100	292	A	H
		5608.8	56.22	-12.08	68.3	40.21	34.6	11.19	29.78	328	221	P	V
		5684.4	57.38	-36.41	93.79	41.12	34.78	11.28	29.8	328	221	P	V
		5703.2	57.49	-48.71	106.2	41.17	34.82	11.3	29.8	328	221	P	V
		5724.4	57.78	-63.15	120.93	41.4	34.85	11.32	29.79	328	221	P	V
		5752	99.25	-	-	82.75	34.93	11.35	29.78	328	221	P	V
		5752	92.18	-	-	75.68	34.93	11.35	29.78	328	221	A	V



WIFI Ant. 1	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 HT20 CH 157 5785MHz		5601.2	57.41	-10.89	68.3	41.38	34.6	11.19	29.76	100	282	P	H
		5658.8	56.76	-18.08	74.84	40.61	34.71	11.24	29.8	100	282	P	H
		5706.4	57	-50.09	107.09	40.67	34.82	11.3	29.79	100	282	P	H
		5722.8	56	-61.28	117.28	39.62	34.85	11.32	29.79	100	282	P	H
		5782	104.43	-	-	87.86	34.96	11.37	29.76	100	282	P	H
		5782	96.35	-	-	79.78	34.96	11.37	29.76	100	282	A	H
		5854.8	57.28	-54.08	111.36	40.5	35.1	11.43	29.75	100	282	P	H
		5864.8	57.46	-50.69	108.15	40.7	35.1	11.43	29.77	100	282	P	H
		5897.6	58.36	-30.18	88.54	41.56	35.15	11.45	29.8	100	282	P	H
		5944.8	57.73	-10.57	68.3	40.86	35.22	11.49	29.84	100	282	P	H
		5608	57.12	-11.18	68.3	41.11	34.6	11.19	29.78	392	33	P	V
		5654.8	56.5	-15.37	71.87	40.35	34.71	11.24	29.8	392	33	P	V
		5718	56.15	-54.19	110.34	39.77	34.85	11.32	29.79	392	33	P	V
		5723.2	55.64	-62.56	118.2	39.26	34.85	11.32	29.79	392	33	P	V
		5782	99.61	-	-	83.04	34.96	11.37	29.76	392	33	P	V
		5782	91.4	-	-	74.83	34.96	11.37	29.76	392	33	A	V
		5850.8	56.81	-63.67	120.48	40.06	35.08	11.42	29.75	392	33	P	V
		5858	57.07	-52.99	110.06	40.31	35.1	11.43	29.77	392	33	P	V
		5914.4	57.1	-19.02	76.12	40.28	35.17	11.47	29.82	392	33	P	V
		5930.8	57.91	-10.39	68.3	41.05	35.2	11.48	29.82	392	33	P	V



WIFI Ant. 1	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 HT20 CH 165 5825MHz		5824	104.09	-	-	87.39	35.05	11.41	29.76	100	293	P	H
		5824	96.05	-	-	79.35	35.05	11.41	29.76	100	293	A	H
		5853.6	58.69	-55.4	114.09	41.91	35.1	11.43	29.75	100	293	P	H
		5871.6	58.32	-47.93	106.25	41.53	35.12	11.44	29.77	100	293	P	H
		5894.4	58.48	-32.43	90.91	41.68	35.15	11.45	29.8	100	293	P	H
		5941.6	58.04	-10.26	68.3	41.17	35.22	11.49	29.84	100	293	P	H
		5824	99.67	-	-	82.97	35.05	11.41	29.76	100	33	P	V
		5824	91.93	-	-	75.23	35.05	11.41	29.76	100	33	A	V
		5854	57.82	-55.36	113.18	41.04	35.1	11.43	29.75	100	33	P	V
		5860	57.87	-51.63	109.5	41.11	35.1	11.43	29.77	100	33	P	V
		5894	57.95	-33.25	91.2	41.15	35.15	11.45	29.8	100	33	P	V
		5954.8	59.1	-9.2	68.3	42.23	35.22	11.49	29.84	100	33	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1--UNII-3 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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 HT20 CH 149 5745MHz		11490	44.22	-29.78	74	55.13	38.39	16.15	65.45	100	360	P	H
		11490	44.37	-29.63	74	55.28	38.39	16.15	65.45	100	0	P	V
802.11n HT20 CH 157 5785MHz		11570	44.8	-29.2	74	55.57	38.45	16.19	65.41	100	0	P	H
		11570	44.81	-29.19	74	55.58	38.45	16.19	65.41	100	360	P	V
802.11n HT20 CH 165 5825MHz		11650	44.58	-29.42	74	55.24	38.49	16.22	65.37	100	53	P	H
		11650	45.38	-28.62	74	56.04	38.49	16.22	65.37	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1--UNII-3 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	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 151 5755MHz		5648	56.72	-11.58	68.3	40.63	34.67	11.23	29.81	100	290	P	H
		5663.2	57.62	-20.48	78.1	41.47	34.71	11.24	29.8	100	290	P	H
		5714	57.92	-51.3	109.22	41.59	34.82	11.3	29.79	100	290	P	H
		5720.4	58.37	-53.44	111.81	41.99	34.85	11.32	29.79	100	290	P	H
		5752	101.85	-	-	85.35	34.93	11.35	29.78	100	290	P	H
		5752	93.63	-	-	77.13	34.93	11.35	29.78	100	290	A	H
		5852	57.14	-60.6	117.74	40.39	35.08	11.42	29.75	100	290	P	H
		5874.4	57.56	-47.91	105.47	40.77	35.12	11.44	29.77	100	290	P	H
		5896.4	57.92	-31.51	89.43	41.12	35.15	11.45	29.8	100	290	P	H
		5950.8	58.39	-9.91	68.3	41.52	35.22	11.49	29.84	100	290	P	H
		5627.6	57.73	-10.57	68.3	41.66	34.64	11.21	29.78	400	34	P	V
		5696.8	57.91	-45.03	102.94	41.65	34.78	11.28	29.8	400	34	P	V
		5719.6	57.37	-53.42	110.79	40.99	34.85	11.32	29.79	400	34	P	V
		5722.8	56.7	-60.58	117.28	40.32	34.85	11.32	29.79	400	34	P	V
		5758	96.73	-	-	80.22	34.93	11.35	29.77	400	34	P	V
		5758	88.71	-	-	72.2	34.93	11.35	29.77	400	34	A	V
		5852	56.63	-61.11	117.74	39.88	35.08	11.42	29.75	400	34	P	V
		5858	57.89	-52.17	110.06	41.13	35.1	11.43	29.77	400	34	P	V
		5909.6	57.34	-22.32	79.66	40.52	35.17	11.47	29.82	400	34	P	V
		5973.2	58.23	-10.07	68.3	41.31	35.27	11.51	29.86	400	34	P	V



WIFI Ant. 1	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 159 5795MHz		5639.2	57.11	-11.19	68.3	41.02	34.67	11.23	29.81	104	291	P	H
		5666.4	57.84	-22.63	80.47	41.69	34.71	11.24	29.8	104	291	P	H
		5708.4	56.64	-51.01	107.65	40.31	34.82	11.3	29.79	104	291	P	H
		5720	56.15	-54.75	110.9	39.77	34.85	11.32	29.79	104	291	P	H
		5794	101.49	-	-	84.86	35	11.39	29.76	104	291	P	H
		5794	94.06	-	-	77.43	35	11.39	29.76	104	291	A	H
		5850.4	57.5	-63.89	121.39	40.75	35.08	11.42	29.75	104	291	P	H
		5867.2	58.03	-49.45	107.48	41.27	35.1	11.43	29.77	104	291	P	H
		5892.4	57.78	-34.61	92.39	40.98	35.15	11.45	29.8	104	291	P	H
		5966.8	57.25	-11.05	68.3	40.36	35.25	11.5	29.86	104	291	P	H
		5600	56.56	-11.74	68.3	40.53	34.6	11.19	29.76	393	34	P	V
		5681.2	56.32	-35.11	91.43	40.11	34.75	11.26	29.8	393	34	P	V
		5717.2	56.37	-53.75	110.12	40.04	34.82	11.3	29.79	393	34	P	V
		5724.4	57.18	-63.75	120.93	40.8	34.85	11.32	29.79	393	34	P	V
		5794	97.09	-	-	80.46	35	11.39	29.76	393	34	P	V
		5794	88.9	-	-	72.27	35	11.39	29.76	393	34	A	V
		5854	56.2	-56.98	113.18	39.42	35.1	11.43	29.75	393	34	P	V
		5874	57.58	-48	105.58	40.79	35.12	11.44	29.77	393	34	P	V
		5902.4	58.01	-26.98	84.99	41.21	35.15	11.45	29.8	393	34	P	V
		5961.6	57.88	-10.42	68.3	40.99	35.25	11.5	29.86	393	34	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1--UNII-3 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	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		11510	44.84	-29.16	74	55.73	38.41	16.15	65.45	100	0	P	H
CH 151 5755MHz		11510	44.7	-29.3	74	55.59	38.41	16.15	65.45	100	360	P	V
802.11n HT40		11587	44.71	-29.29	74	55.45	38.46	16.2	65.4	100	360	P	H
CH 159 5795MHz		11587	44.94	-29.06	74	55.68	38.46	16.2	65.4	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1--UNII-3 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	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 155 5775MHz		5632.4	57.4	-10.9	68.3	41.36	34.64	11.21	29.81	100	291	P	H
		5692.8	57.99	-42	99.99	41.73	34.78	11.28	29.8	100	291	P	H
		5706.4	59.24	-47.85	107.09	42.91	34.82	11.3	29.79	100	291	P	H
		5724.8	59.06	-62.78	121.84	42.68	34.85	11.32	29.79	100	291	P	H
		5770	99.1	-	-	82.54	34.96	11.37	29.77	100	291	P	H
		5770	91.22	-	-	74.66	34.96	11.37	29.77	100	291	A	H
		5854.4	58.14	-54.13	112.27	41.36	35.1	11.43	29.75	100	291	P	H
		5858	59.24	-50.82	110.06	42.48	35.1	11.43	29.77	100	291	P	H
		5879.2	58.14	-44.04	102.18	41.35	35.12	11.44	29.77	100	291	P	H
		5975.2	57.97	-10.33	68.3	41.05	35.27	11.51	29.86	100	291	P	H
		5618.8	57.3	-11	68.3	41.23	34.64	11.21	29.78	106	49	P	V
		5677.6	57.04	-31.72	88.76	40.83	34.75	11.26	29.8	106	49	P	V
		5716	57.97	-51.81	109.78	41.64	34.82	11.3	29.79	106	49	P	V
		5720	57.25	-53.65	110.9	40.87	34.85	11.32	29.79	106	49	P	V
		5782	93.81	-	-	77.24	34.96	11.37	29.76	106	49	P	V
		5782	85.97	-	-	69.4	34.96	11.37	29.76	106	49	A	V
		5854.8	56.89	-54.47	111.36	40.11	35.1	11.43	29.75	106	49	P	V
		5864.8	58.72	-49.43	108.15	41.96	35.1	11.43	29.77	106	49	P	V
		5898	58.09	-30.15	88.24	41.29	35.15	11.45	29.8	106	49	P	V
		5987.2	57.46	-10.84	68.3	40.57	35.27	11.51	29.89	106	49	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1--UNII-3 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	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		11554	44.41	-29.59	74	55.21	38.44	16.18	65.42	100	0	P	H
CH 155 5775MHz		11554	44.82	-29.18	74	55.62	38.44	16.18	65.42	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample3--UNII-3 - 5725~5850MHz

WIFI 802.11a (Harmonic @ 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.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		11490	43.81	-30.19	74	54.72	38.39	16.15	65.45	100	0	P	H
CH 149		11490	43.91	-30.09	74	54.82	38.39	16.15	65.45	300	360	P	V
5745MHz		11570	43.83	-30.17	74	54.6	38.45	16.19	65.41	100	360	P	H
802.11a		11570	44.49	-29.51	74	55.26	38.45	16.19	65.41	300	360	P	V
CH 157		11650	44.3	-29.7	74	54.96	38.49	16.22	65.37	100	360	P	H
5785MHz		11650	44.26	-29.74	74	54.92	38.49	16.22	65.37	300	360	P	V
802.11a		11650	44.3	-29.7	74	54.96	38.49	16.22	65.37	100	360	P	H
CH 165		11650	44.26	-29.74	74	54.92	38.49	16.22	65.37	300	360	P	V
5825MHz		11650	44.26	-29.74	74	54.92	38.49	16.22	65.37	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample3--UNII-3 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	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 HT20 CH 149 5745MHz		11490	43.88	-30.12	74	54.79	38.39	16.15	65.45	100	360	P	H
		11490	43.77	-30.23	74	54.68	38.39	16.15	65.45	300	360	P	V
802.11n HT20 CH 157 5785MHz		11570	44.26	-29.74	74	55.03	38.45	16.19	65.41	100	360	P	H
		11570	43.77	-30.23	74	54.54	38.45	16.19	65.41	300	360	P	V
802.11n HT20 CH 165 5825MHz		11650	45.67	-28.33	74	56.33	38.49	16.22	65.37	300	360	P	V
		11650	47.6	-26.4	74	58.26	38.49	16.22	65.37	100	360	P	H
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample3--UNII-3 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	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		11510	45.19	-28.81	74	56.08	38.41	16.15	65.45	300	360	P	H
CH 151 5755MHz		11510	45.29	-28.71	74	56.18	38.41	16.15	65.45	100	360	P	V
802.11n HT40		11590	46.58	-27.42	74	57.32	38.46	16.2	65.4	300	360	P	V
CH 159 5795MHz		11590	44.99	-29.01	74	55.73	38.46	16.2	65.4	100	360	P	H
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Sample3--UNII-3 5725~5850MHz****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 1	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		11550	45.68	-28.32	74	56.48	38.44	16.18	65.42	300	360	P	H
CH 155 5775MHz		11550	45.54	-28.46	74	56.34	38.44	16.18	65.42	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Simultaneous transmission

802.11ac VHT80 CH42 Tx + nRF Bypss Mode CH38 Tx (Band Edge @ 3m)

WIFI Ant. 1	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		5123.36	59.18	-14.82	74	43.48	34.37	10.61	29.28	100	291	P	H
		5112.96	48.68	-5.32	54	33	34.33	10.61	29.26	100	291	A	H
	*	5212	94.7	-	-	78.9	34.5	10.66	29.36	100	291	P	H
		5212	87.7	-	-	71.9	34.5	10.66	29.36	100	291	A	H
		5352.3	56.14	-17.86	74	40.33	34.5	10.83	29.52	100	291	P	H
		5365.26	46.07	-7.93	54	30.24	34.5	10.85	29.52	100	291	A	H
		5109.12	58.76	-15.24	74	43.08	34.33	10.61	29.26	259	15	P	V
		5127.04	48.56	-5.44	54	32.86	34.37	10.61	29.28	259	15	A	V
	*	5212	92.24	-	-	76.44	34.5	10.66	29.36	259	15	P	V
		5212	84.48	-	-	68.68	34.5	10.66	29.36	259	15	A	V
		5393.34	56.4	-17.6	74	40.58	34.5	10.87	29.55	259	15	P	V
		5352.12	46	-8	54	30.19	34.5	10.83	29.52	259	15	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

802.11ac VHT80 CH42 Tx + nRF Bypss Mode CH38 Tx (Harmonic @ 3m)

WIFI Ant. 1	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		10420	44.59	-23.71	68.3	57.93	37.47	15.59	66.4	300	360	P	H
		10420	43.5	-24.8	68.3	56.84	37.47	15.59	66.4	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



802.11ac VHT80 CH42 Tx + nRF Bypss Mode CH38 Tx (Band Edge @ 3m)

nRF--Bypass	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)
nRF Bypss Mode CH38 Tx		2483.74	62.94	-11.06	74	54.21	32.12	7.28	30.67	127	359	P	H
		2483.62	47.52	-6.48	54	38.79	32.12	7.28	30.67	127	359	A	H
		2478	107.13	-	-	98.4	32.12	7.28	30.67	127	359	P	H
		2478	100.39	-	-	91.66	32.12	7.28	30.67	127	359	A	H
		2484.52	57.32	-16.68	74	48.59	32.12	7.28	30.67	132	0	P	V
		2483.56	45.95	-8.05	54	37.22	32.12	7.28	30.67	132	0	A	V
		2478	95.98	-	-	87.25	32.12	7.28	30.67	132	0	P	V
		2478	89.03	-	-	80.3	32.12	7.28	30.67	132	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

802.11ac VHT80 CH42 Tx + nRF Bypss Mode CH38 Tx (Harmonic @ 3m)

nRF--Bypass	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)
nRF Bypss Mode CH38 Tx		4950	41.36	-32.64	74	62.21	34.1	10.49	65.44	100	0	P	H
		7440	43.45	-30.55	74	60.1	35.8	12.88	65.33	100	0	P	H
		4956	42.43	-31.57	74	63.27	34.1	10.51	65.45	100	360	P	V
		7440	43.05	-30.95	74	59.7	35.8	12.88	65.33	100	360	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	P eak or A verage
H/V	H orizontal or V ertical



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.	
1		(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:

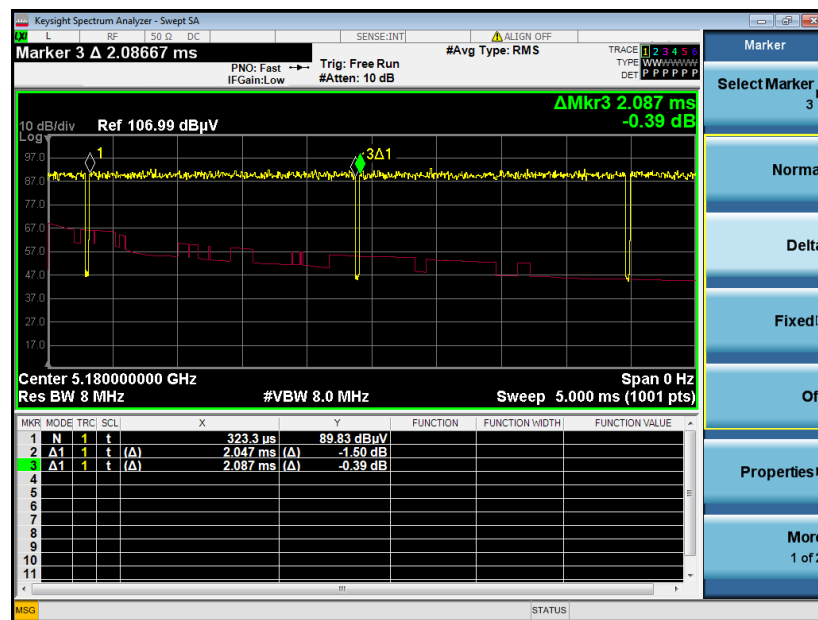
1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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

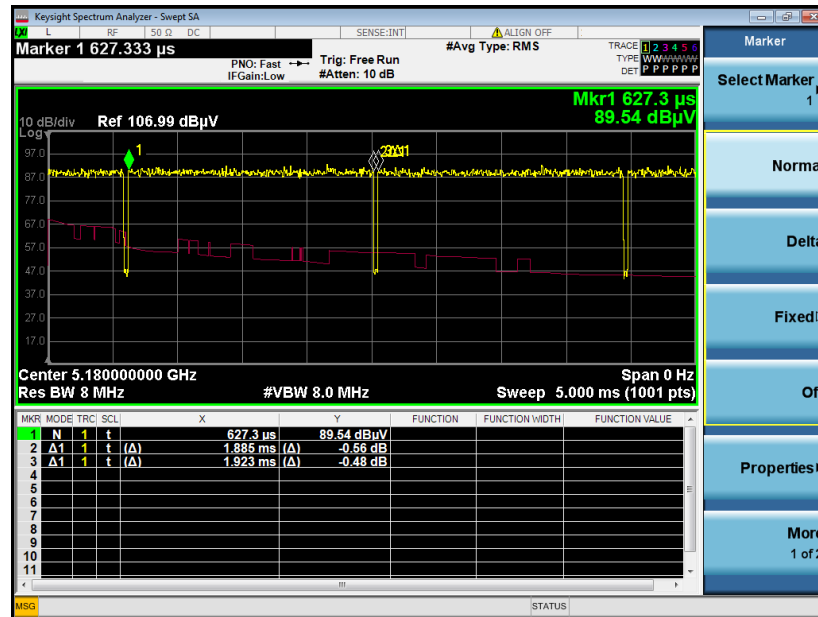
Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	Duty factor(dB)
802.11a	98.08	0.08
802.11n HT20	98.02	0.09
802.11n HT40	95.86	0.18
802.11ac VHT80	92.29	0.35

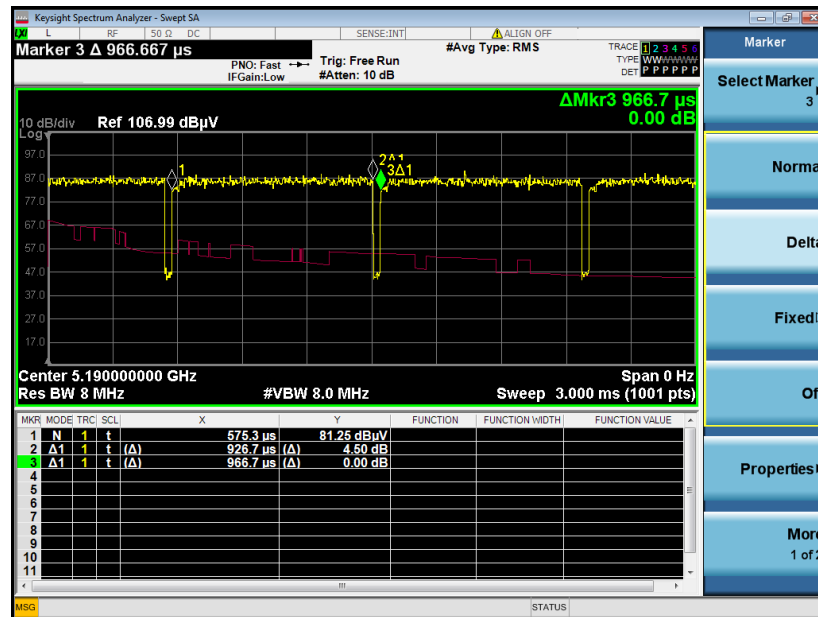
802.11a



802.11n HT20



802.11n HT40





802.11ac VHT80

