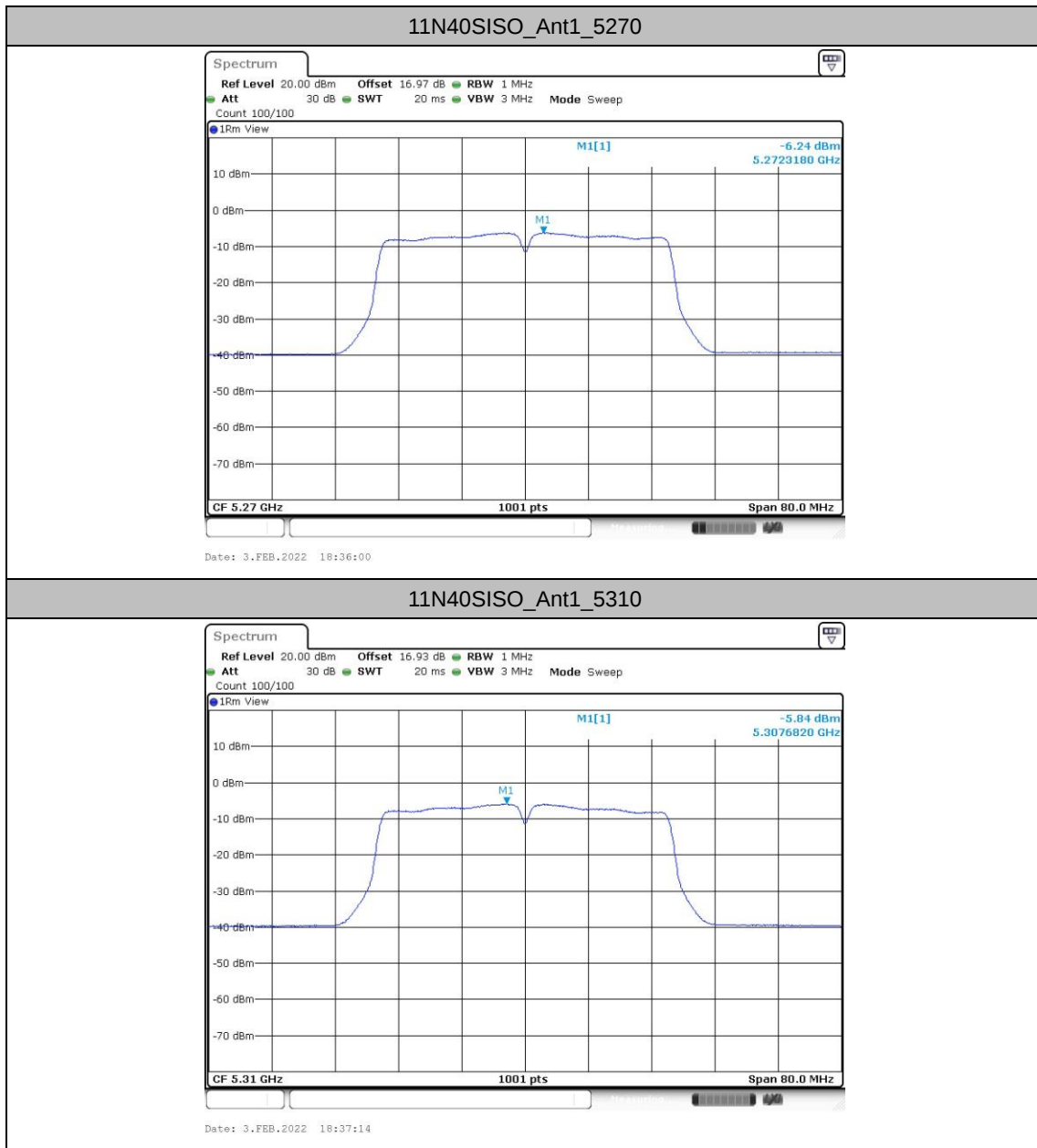
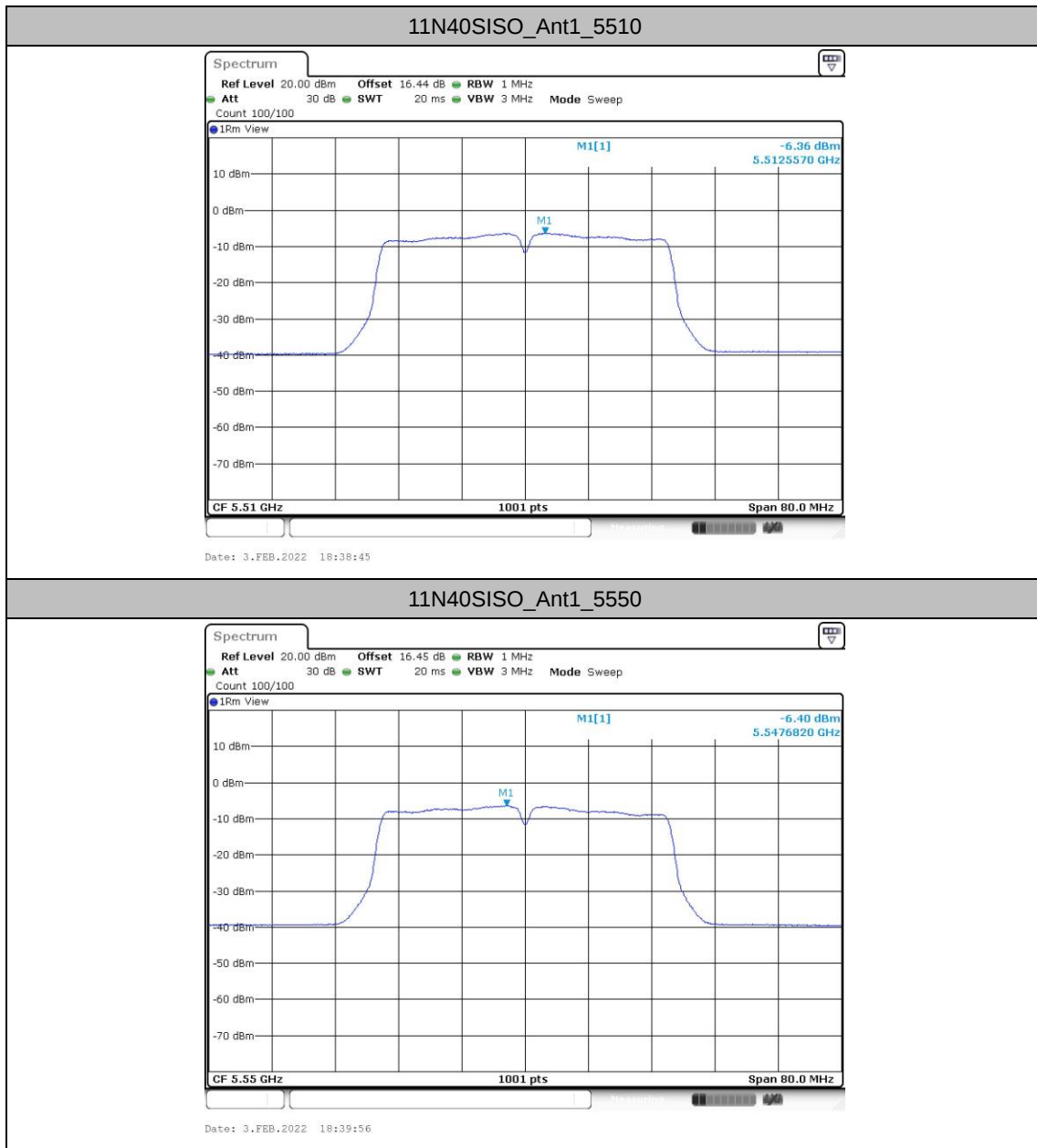
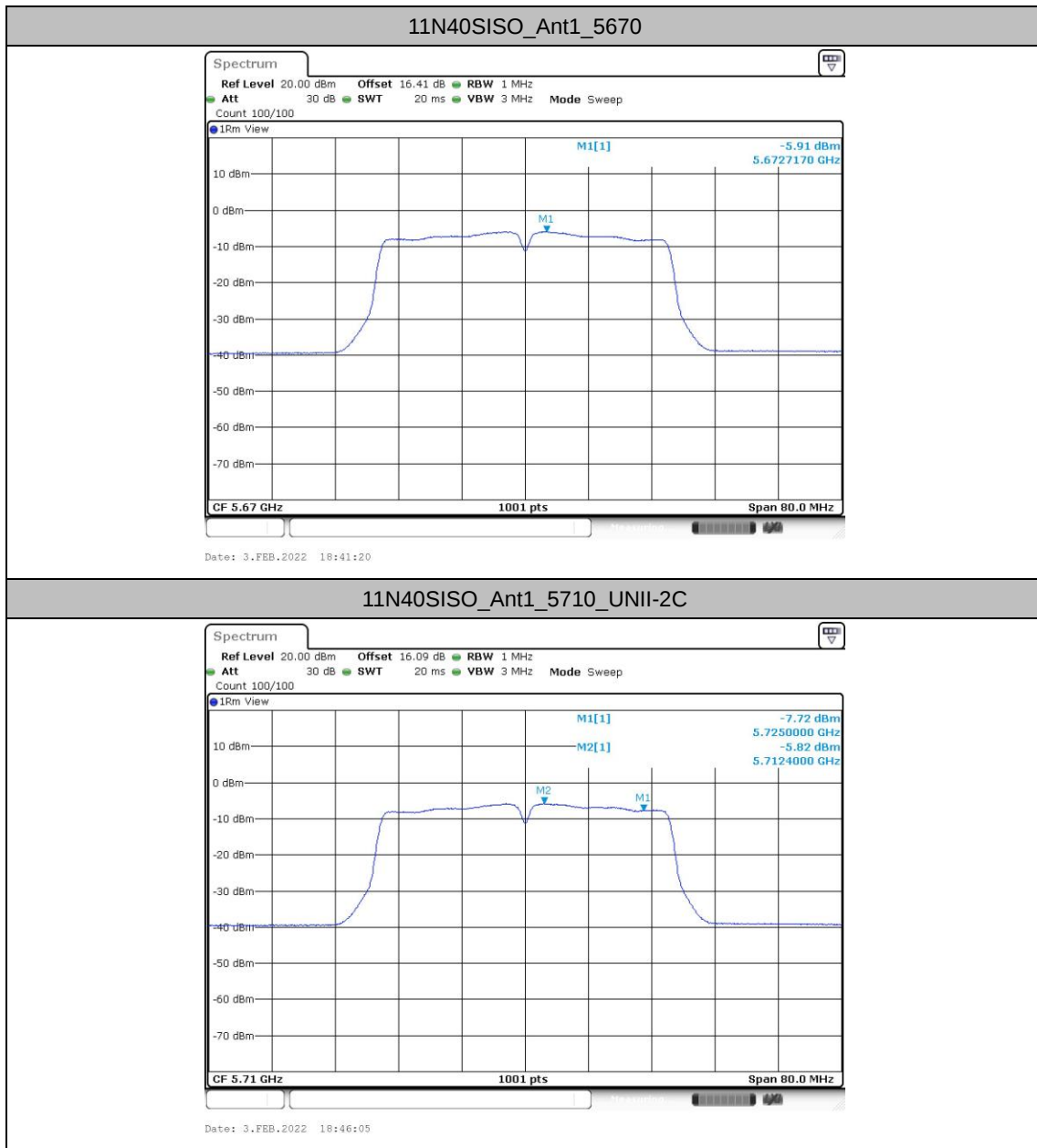
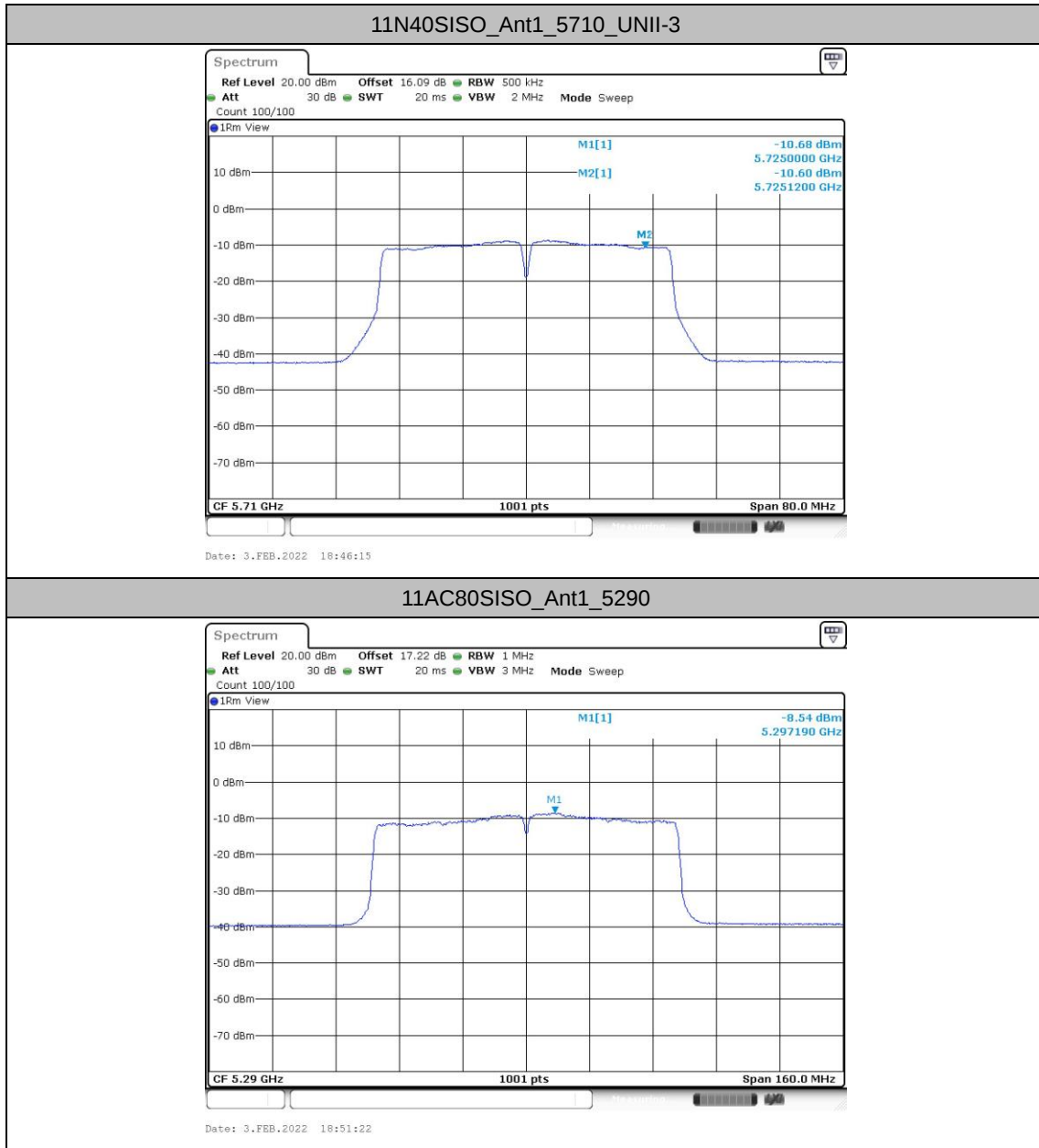


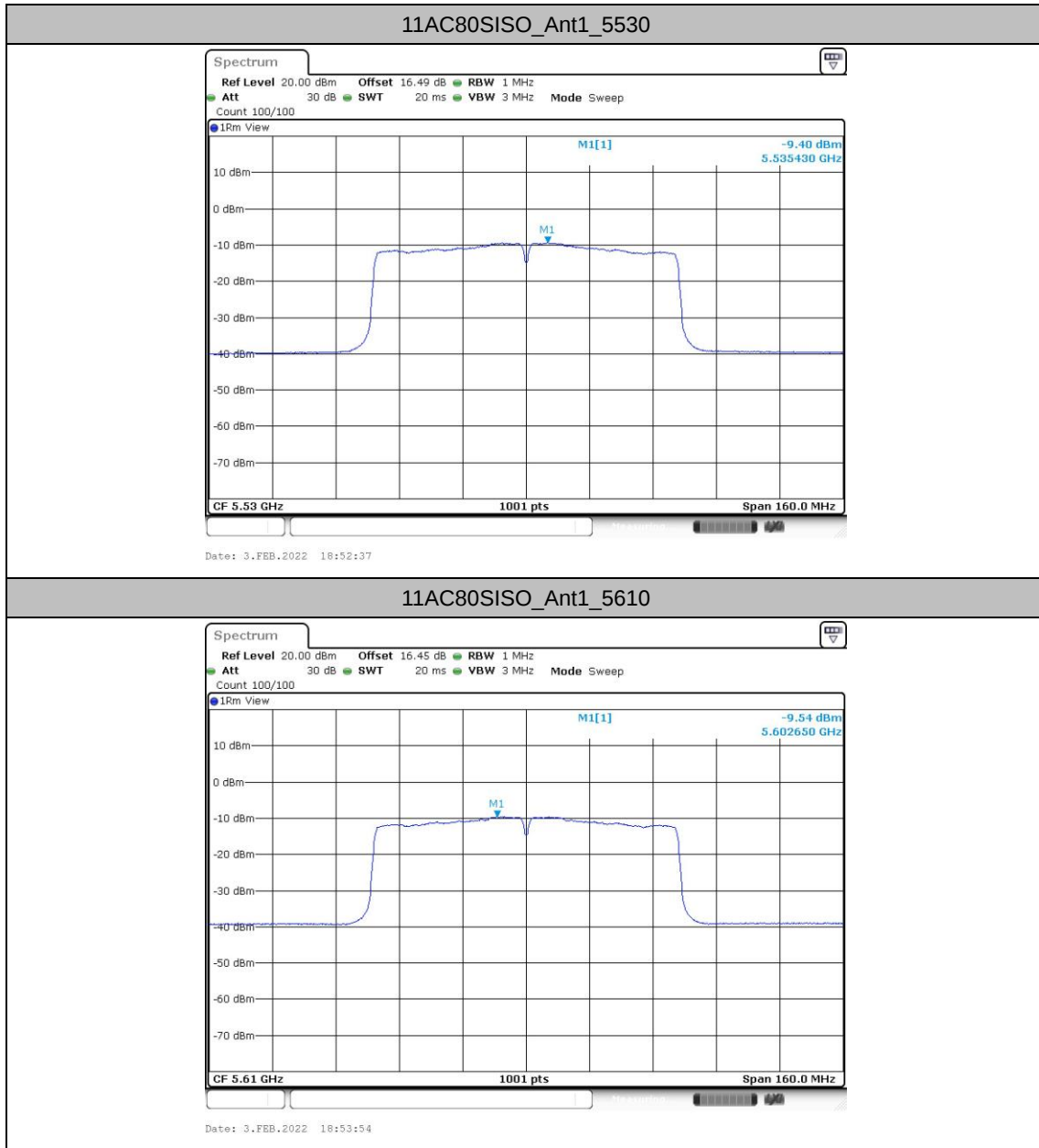






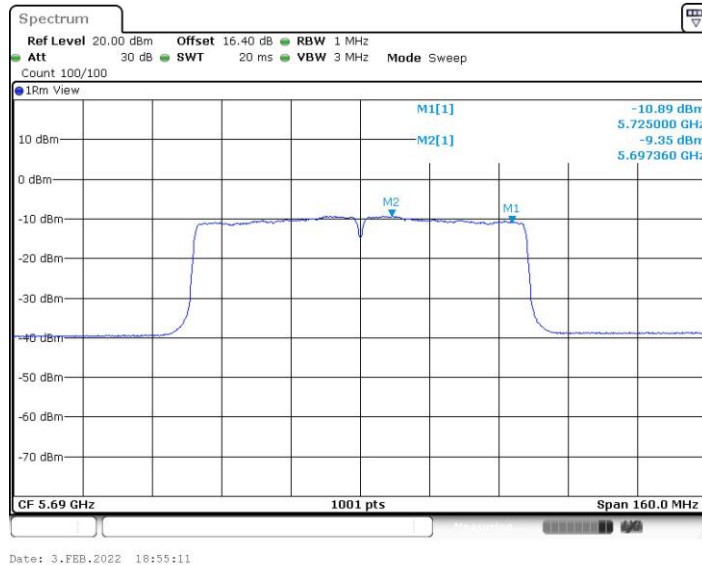




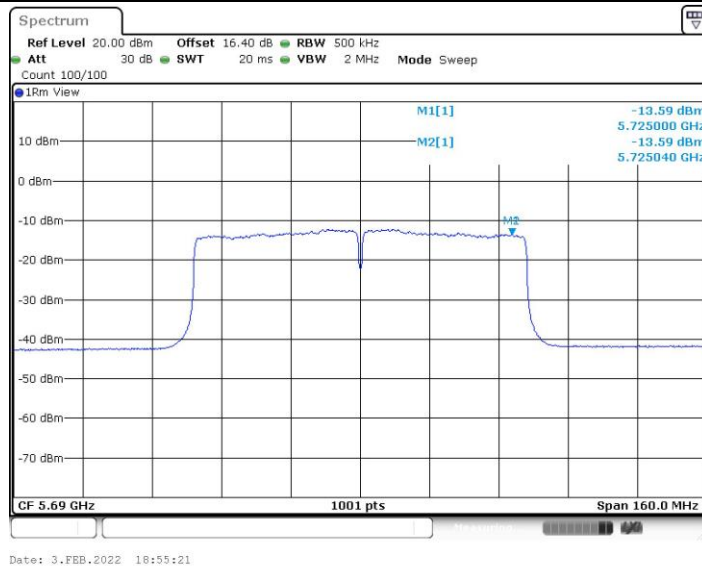




11AC80SISO_Ant1_5690_UNII-2C

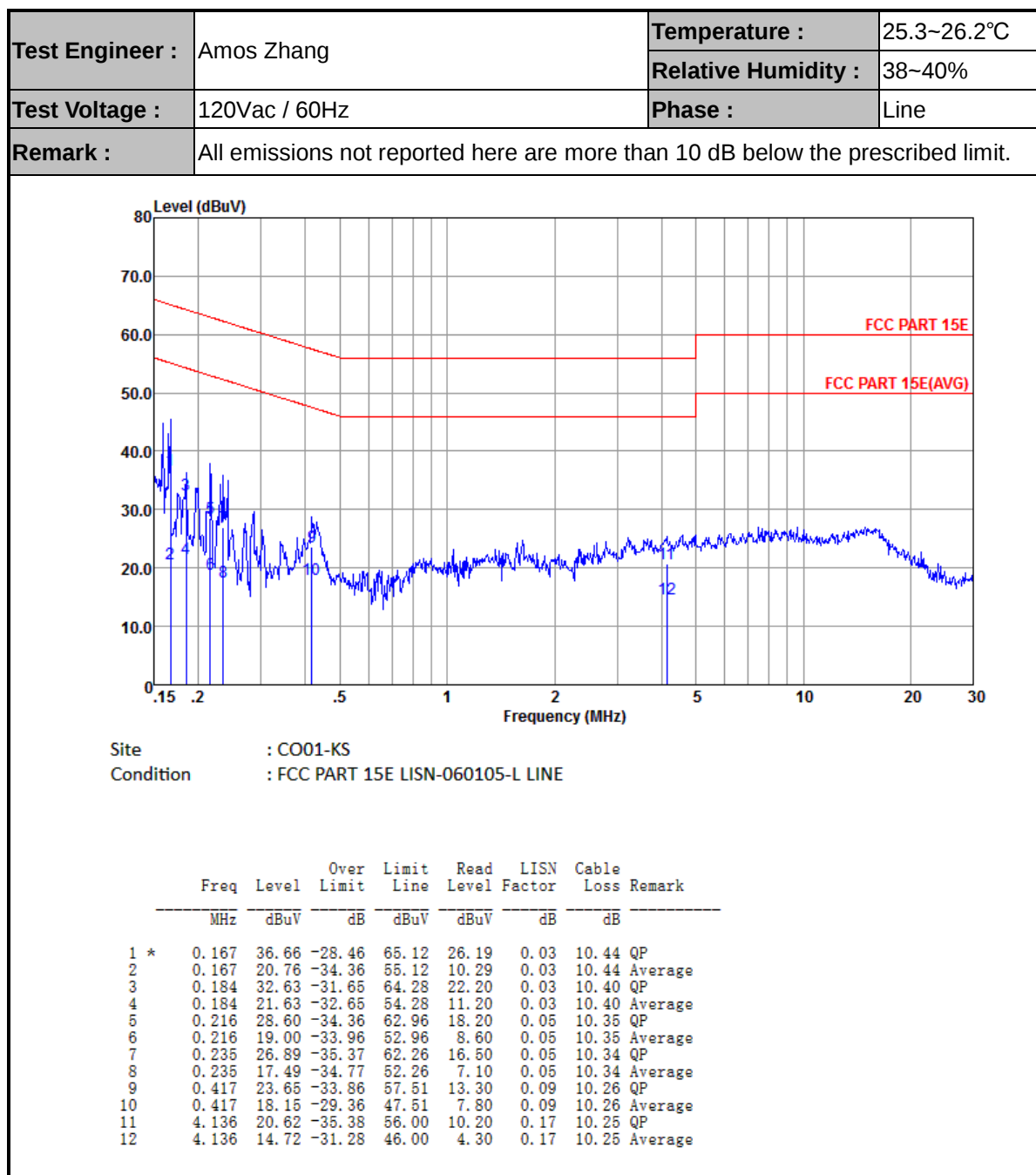


11AC80SISO_Ant1_5690_UNII-3



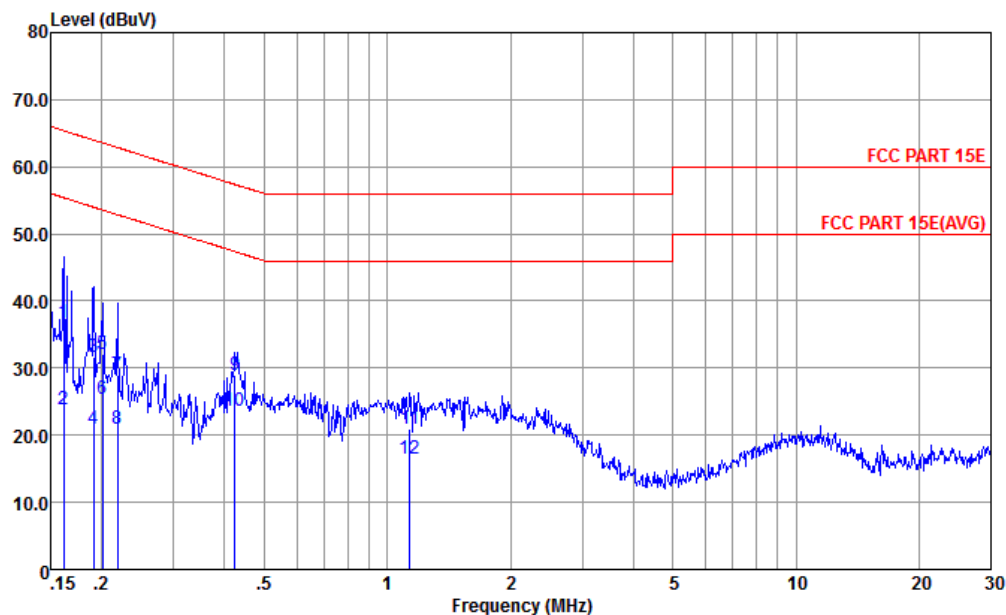


Appendix B. AC Conducted Emission Test Results





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



	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. $\text{Level(dB}\mu\text{V)} = \text{Read Level(dB}\mu\text{V)} + \text{LISN Factor(dB)} + \text{Cable Loss(dB)}$
2. $\text{Over Limit(dB)} = \text{Level(dB}\mu\text{V)} - \text{Limit Line(dB}\mu\text{V)}$



Appendix C. Radiated Spurious Emission

Sample1---UNII-2A - 5250~5350MHz

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 52 5260MHz		5129.12	58.59	-15.41	74	42.89	34.37	10.61	29.28	263	113	P	H
		5121.6	48.61	-5.39	54	32.95	34.33	10.61	29.28	263	113	A	H
	*	5260	104.67	-	-	88.87	34.5	10.72	29.42	263	113	P	H
		5260	97.18	-	-	81.38	34.5	10.72	29.42	263	113	A	H
		5105.12	58.19	-15.81	74	42.55	34.3	10.6	29.26	100	77	P	V
		5125.28	48.31	-5.69	54	32.61	34.37	10.61	29.28	100	77	A	V
	*	5260	99.33	-	-	83.53	34.5	10.72	29.42	100	77	P	V
		5260	91.82	-	-	76.02	34.5	10.72	29.42	100	77	A	V
802.11a CH 60 5300MHz		5129.6	58.34	-15.66	74	42.64	34.37	10.61	29.28	100	115	P	H
		5104.8	48.84	-5.16	54	33.2	34.3	10.6	29.26	100	115	A	H
	*	5302	103.26	-	-	87.46	34.5	10.77	29.47	100	115	P	H
		5302	96.54	-	-	80.74	34.5	10.77	29.47	100	115	A	H
		5351.3	59	-15	74	43.19	34.5	10.83	29.52	100	115	P	H
		5354.7	46.9	-7.1	54	31.09	34.5	10.83	29.52	100	115	A	H
		5116.96	58.06	-15.94	74	42.38	34.33	10.61	29.26	100	204	P	V
		5114.24	48.77	-5.23	54	33.09	34.33	10.61	29.26	100	204	A	V
	*	5302	98.12	-	-	82.32	34.5	10.77	29.47	100	204	P	V
		5302	91.36	-	-	75.56	34.5	10.77	29.47	100	204	A	V
		5356.1	56.89	-17.11	74	41.08	34.5	10.83	29.52	100	204	P	V
		5360	46.26	-7.74	54	30.45	34.5	10.83	29.52	100	204	A	V



802.11a CH 64 5320MHz		5359.2	56.59	-17.41	74	40.78	34.5	10.83	29.52	268	116	P	H
		5351.3	46.69	-7.31	54	30.88	34.5	10.83	29.52	268	116	A	H
	*	5320	103.68	-	-	87.86	34.5	10.79	29.47	268	116	P	H
		5320	96.2	-	-	80.38	34.5	10.79	29.47	268	116	A	H
		5378.7	56.19	-17.81	74	40.37	34.5	10.87	29.55	293	206	P	V
		5351.1	46.26	-7.74	54	30.45	34.5	10.83	29.52	293	206	A	V
	*	5320	98.18	-	-	82.36	34.5	10.79	29.47	293	206	P	V
		5320	91.27	-	-	75.45	34.5	10.79	29.47	293	206	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Sample1---UNII-2A 5250~5350MHz****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 52 5260MHz		10520	44.44	-23.86	68.3	57.51	37.58	15.64	66.29	300	360	P	H
		10520	44.43	-23.87	68.3	57.5	37.58	15.64	66.29	100	360	P	V
802.11a CH 60 5300MHz		10600	44.09	-29.91	74	56.92	37.67	15.69	66.19	100	0	P	H
		10600	45.32	-28.68	74	58.15	37.67	15.69	66.19	300	360	P	V
802.11a CH 64 5320MHz		10640	44.89	-29.11	74	57.62	37.71	15.71	66.15	100	360	P	H
		10640	43.97	-30.03	74	56.7	37.71	15.71	66.15	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2A 5250~5350MHz
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 52 5260MHz		5121.44	58.28	-15.72	74	42.62	34.33	10.61	29.28	100	112	P	H
		5134.88	48.36	-5.64	54	32.66	34.37	10.61	29.28	100	112	A	H
	*	5260	103.32	-	-	87.52	34.5	10.72	29.42	100	112	P	H
		5260	95.94	-	-	80.14	34.5	10.72	29.42	100	112	A	H
		5144.96	59.06	-14.94	74	43.35	34.4	10.62	29.31	317	9	P	V
		5111.36	48.22	-5.78	54	32.54	34.33	10.61	29.26	317	9	A	V
	*	5260	98.23	-	-	82.43	34.5	10.72	29.42	317	9	P	V
		5260	91.5	-	-	75.7	34.5	10.72	29.42	317	9	A	V
802.11n HT20 CH 60 5300MHz		5111.36	58.36	-15.64	74	42.68	34.33	10.61	29.26	101	116	P	H
		5112.32	48.14	-5.86	54	32.46	34.33	10.61	29.26	101	116	A	H
	*	5302	102.68	-	-	86.88	34.5	10.77	29.47	101	116	P	H
		5302	95.13	-	-	79.33	34.5	10.77	29.47	101	116	A	H
		5353.2	56.1	-17.9	74	40.29	34.5	10.83	29.52	101	116	P	H
		5351	46.24	-7.76	54	30.43	34.5	10.83	29.52	101	116	A	H
		5110.88	58.41	-15.59	74	42.73	34.33	10.61	29.26	330	7	P	V
		5119.2	48.2	-5.8	54	32.54	34.33	10.61	29.28	330	7	A	V
	*	5302	96.96	-	-	81.16	34.5	10.77	29.47	330	7	P	V
		5302	90.3	-	-	74.5	34.5	10.77	29.47	330	7	A	V
		5367.4	56.07	-17.93	74	40.24	34.5	10.85	29.52	330	7	P	V
		5390.1	45.97	-8.03	54	30.15	34.5	10.87	29.55	330	7	A	V



802.11n HT20 CH 64 5320MHz		5366.2	56.81	-17.19	74	40.98	34.5	10.85	29.52	100	114	P	H
		5366.5	46.61	-7.39	54	30.78	34.5	10.85	29.52	100	114	A	H
	*	5320	101.89	-	-	86.07	34.5	10.79	29.47	100	114	P	H
		5320	94.43	-	-	78.61	34.5	10.79	29.47	100	114	A	H
		5359	56.16	-17.84	74	40.35	34.5	10.83	29.52	400	65	P	V
		5377.6	46.05	-7.95	54	30.23	34.5	10.87	29.55	400	65	A	V
		5320	96.85	-	-	81.03	34.5	10.79	29.47	400	65	P	V
		5320	89.14	-	-	73.32	34.5	10.79	29.47	400	65	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2A 5250~5350MHz
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 52 5260MHz		10520	44.78	-23.52	68.3	57.85	37.58	15.64	66.29	100	360	P	H
		10520	45.75	-22.55	68.3	58.82	37.58	15.64	66.29	100	0	P	V
802.11n HT20 CH 60 5300MHz		10600	45.94	-28.06	74	58.77	37.67	15.69	66.19	300	360	P	H
		10600	45.59	-28.41	74	58.42	37.67	15.69	66.19	100	360	P	V
802.11n HT20 CH 64 5320MHz		10640	45.35	-28.65	74	58.08	37.71	15.71	66.15	100	360	P	H
		10640	44.32	-29.68	74	57.05	37.71	15.71	66.15	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2A 5250~5350MHz
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 54 5270MHz		5135.52	58.41	-15.59	74	42.71	34.37	10.61	29.28	261	109	P	H
		5142.4	48.22	-5.78	54	32.48	34.4	10.62	29.28	261	109	A	H
	*	5272	100.88	-	-	85.1	34.5	10.72	29.44	261	109	P	H
		5272	93.25	-	-	77.47	34.5	10.72	29.44	261	109	A	H
		5378.2	56.47	-17.53	74	40.65	34.5	10.87	29.55	261	109	P	H
		5353.7	46.09	-7.91	54	30.28	34.5	10.83	29.52	261	109	A	H
		5108.16	58.77	-15.23	74	43.09	34.33	10.61	29.26	100	72	P	V
		5117.44	48.52	-5.48	54	32.84	34.33	10.61	29.26	100	72	A	V
	*	5272	95.2	-	-	79.42	34.5	10.72	29.44	100	72	P	V
		5272	87.5	-	-	71.72	34.5	10.72	29.44	100	72	A	V
		5353.2	56.22	-17.78	74	40.41	34.5	10.83	29.52	100	72	P	V
		5387.5	46.37	-7.63	54	30.55	34.5	10.87	29.55	100	72	A	V
802.11n HT40 CH 62 5310MHz		5131.04	58.26	-15.74	74	42.56	34.37	10.61	29.28	100	117	P	H
		5107.04	48.2	-5.8	54	32.52	34.33	10.61	29.26	100	117	A	H
	*	5296	99.54	-	-	83.71	34.5	10.77	29.44	100	117	P	H
		5296	91.78	-	-	75.95	34.5	10.77	29.44	100	117	A	H
		5355.7	56.51	-17.49	74	40.7	34.5	10.83	29.52	100	117	P	H
		5360.4	46.55	-7.45	54	30.74	34.5	10.83	29.52	100	117	A	H
		5131.52	58.31	-15.69	74	42.61	34.37	10.61	29.28	100	207	P	V
		5120	48.51	-5.49	54	32.85	34.33	10.61	29.28	100	207	A	V
	*	5308	93.59	-	-	77.79	34.5	10.77	29.47	100	207	P	V
		5308	86.72	-	-	70.92	34.5	10.77	29.47	100	207	A	V
		5393.3	55.97	-18.03	74	40.15	34.5	10.87	29.55	100	207	P	V
		5394.1	45.96	-8.04	54	30.14	34.5	10.87	29.55	100	207	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2A 5250~5350MHz
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 54 5270MHz		10540	44.37	-23.93	68.3	57.39	37.6	15.65	66.27	100	360	P	H
		10540	44.86	-23.44	68.3	57.88	37.6	15.65	66.27	100	0	P	V
802.11n HT40 CH 62 5310MHz		10619	45.61	-28.39	74	58.39	37.69	15.7	66.17	100	0	P	H
		10619	45.49	-28.51	74	58.27	37.69	15.7	66.17	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2A 5250~5350MHz

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 58 5290MHz		5130.88	57.65	-16.35	74	41.95	34.37	10.61	29.28	256	107	P	H
		5128.32	49.18	-4.82	54	33.48	34.37	10.61	29.28	256	107	A	H
		5296	97.04	-	-	81.21	34.5	10.77	29.44	256	107	P	H
		5296	89.83	-	-	74	34.5	10.77	29.44	256	107	A	H
		5356.4	58.36	-15.64	74	42.55	34.5	10.83	29.52	256	107	P	H
		5351.6	49.87	-4.13	54	34.06	34.5	10.83	29.52	256	107	A	H
		5110.08	58.38	-15.62	74	42.7	34.33	10.61	29.26	380	79	P	V
		5100	49.45	-4.55	54	33.81	34.3	10.6	29.26	380	79	A	V
		5296	93.04	-	-	77.21	34.5	10.77	29.44	380	79	P	V
		5296	86.17	-	-	70.34	34.5	10.77	29.44	380	79	A	V
		5350.7	56.12	-17.88	74	40.31	34.5	10.83	29.52	380	79	P	V
		5353.1	48.06	-5.94	54	32.25	34.5	10.83	29.52	380	79	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Sample1---UNII-2A 5250~5350MHz

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 58 5290MHz		10575	44.41	-23.89	68.3	57.34	37.63	15.67	66.23	100	360	P	H
		10575	44.84	-23.46	68.3	57.77	37.63	15.67	66.23	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2C - 5470~5725MHz

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 100 5500MHz		5423.6	56.22	-17.78	74	40.37	34.51	10.91	29.57	100	116	P	H
		5462.8	56.39	-11.91	68.3	40.5	34.53	10.99	29.63	100	116	P	H
		5455.76	46.73	-7.27	54	30.86	34.53	10.97	29.63	100	116	A	H
	*	5500	104.29	-	-	88.35	34.55	11.04	29.65	100	116	P	H
		5500	96.12	-	-	80.18	34.55	11.04	29.65	100	116	A	H
		5457.52	56.92	-17.08	74	41.05	34.53	10.97	29.63	359	211	P	V
		5463.76	55.44	-12.86	68.3	39.55	34.53	10.99	29.63	359	211	P	V
		5456.4	46.32	-7.68	54	30.45	34.53	10.97	29.63	359	211	A	V
	*	5500	100.79	-	-	84.85	34.55	11.04	29.65	359	211	P	V
		5500	94.75	-	-	78.81	34.55	11.04	29.65	359	211	A	V
802.11a CH 116 5580MHz		5408.88	56.77	-17.23	74	40.95	34.5	10.89	29.57	103	116	P	H
		5461.84	56.24	-12.06	68.3	40.37	34.53	10.97	29.63	103	116	P	H
		5452.4	46.47	-7.53	54	30.6	34.53	10.97	29.63	103	116	A	H
	*	5578	104.79	-	-	88.83	34.58	11.14	29.76	103	116	P	H
		5578	97.24	-	-	81.28	34.58	11.14	29.76	103	116	A	H
		5762.12	57.74	-10.56	68.3	41.23	34.93	11.35	29.77	103	116	P	H
		5355.44	56.1	-17.9	74	40.29	34.5	10.83	29.52	315	216	P	V
		5469.84	55.64	-12.66	68.3	39.75	34.53	10.99	29.63	315	216	P	V
		5448.08	46.2	-7.8	54	30.3	34.53	10.97	29.6	315	216	A	V
	*	5578	100.34	-	-	84.38	34.58	11.14	29.76	315	216	P	V
		5578	92.09	-	-	76.13	34.58	11.14	29.76	315	216	A	V
		5751.16	57.59	-10.71	68.3	41.14	34.89	11.34	29.78	315	216	P	V



802.11a CH 140 5700MHz		5730.12	58.98	-9.32	68.3	42.6	34.85	11.32	29.79	100	114	P	H
	*	5704	105.81	-	-	89.49	34.82	11.3	29.8	100	114	P	H
		5704	97.93	-	-	81.61	34.82	11.3	29.8	100	114	A	H
		5736.44	58.27	-10.03	68.3	41.82	34.89	11.34	29.78	301	210	P	V
	*	5698	100.18	-	-	83.92	34.78	11.28	29.8	301	210	P	V
		5698	92.45	-	-	76.19	34.78	11.28	29.8	301	210	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2C - 5470~5725MHz

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 100 5500MHz		11000	44.59	-29.41	74	56.32	38.1	15.9	65.73	100	0	P	H
		11004	44.02	-29.98	74	55.75	38.1	15.9	65.73	100	360	P	V
802.11a CH 116 5580MHz		11160	45.19	-28.81	74	56.65	38.2	15.98	65.64	100	360	P	H
		11160	45.94	-28.06	74	57.4	38.2	15.98	65.64	300	360	P	V
802.11a CH 140 5700MHz		11400	45.01	-28.99	74	56.07	38.34	16.1	65.5	100	0	P	H
		11400	45.77	-28.23	74	56.83	38.34	16.1	65.5	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2C - 5470~5725MHz
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 100 5500MHz		5413.68	56.76	-17.24	74	40.91	34.51	10.91	29.57	100	113	P	H
		5461.68	57.36	-10.94	68.3	41.49	34.53	10.97	29.63	100	113	P	H
		5452.4	47.15	-6.85	54	31.28	34.53	10.97	29.63	100	113	A	H
	*	5506	103.32	-	-	87.41	34.55	11.04	29.68	100	113	P	H
		5506	96.57	-	-	80.66	34.55	11.04	29.68	100	113	A	H
		5454.96	56.04	-17.96	74	40.17	34.53	10.97	29.63	360	220	P	V
		5466.32	56.05	-12.25	68.3	40.16	34.53	10.99	29.63	360	220	P	V
		5456.4	46.61	-7.39	54	30.74	34.53	10.97	29.63	360	220	A	V
	*	5500	100.24	-	-	84.3	34.55	11.04	29.65	360	220	P	V
		5500	93.13	-	-	77.19	34.55	11.04	29.65	360	220	A	V
802.11n HT20 CH 116 5580MHz		5438.96	57.19	-16.81	74	41.33	34.52	10.94	29.6	100	117	P	H
		5461.36	55.36	-12.94	68.3	39.49	34.53	10.97	29.63	100	117	P	H
		5443.44	46.49	-7.51	54	30.63	34.52	10.94	29.6	100	117	A	H
	*	5584	105.28	-	-	89.29	34.59	11.16	29.76	100	117	P	H
		5584	97.31	-	-	81.32	34.59	11.16	29.76	100	117	A	H
		5749.64	58.21	-10.09	68.3	41.76	34.89	11.34	29.78	100	117	P	H
		5356.72	56.11	-17.89	74	40.3	34.5	10.83	29.52	284	218	P	V
		5462.96	55.54	-12.76	68.3	39.65	34.53	10.99	29.63	284	218	P	V
		5460	46.37	-7.63	54	30.5	34.53	10.97	29.63	284	218	A	V
	*	5578	100.32	-	-	84.36	34.58	11.14	29.76	284	218	P	V
		5578	93.03	-	-	77.07	34.58	11.14	29.76	284	218	A	V
		5758.36	57.94	-10.36	68.3	41.43	34.93	11.35	29.77	284	218	P	V



802.11n HT20 CH 140 5700MHz		5743.88	59.59	-8.71	68.3	43.14	34.89	11.34	29.78	100	111	P	H
	*	5704	106.67	-	-	90.35	34.82	11.3	29.8	100	111	P	H
		5704	97.73	-	-	81.41	34.82	11.3	29.8	100	111	A	H
		5761	57.58	-10.72	68.3	41.07	34.93	11.35	29.77	315	207	P	V
	*	5698	100.56	-	-	84.3	34.78	11.28	29.8	315	207	P	V
		5698	92.59	-	-	76.33	34.78	11.28	29.8	315	207	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2C - 5470~5725MHz

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		11000	44.4	-29.6	74	56.13	38.1	15.9	65.73	100	0	P	H
CH 100 5500MHz		11000	45.27	-28.73	74	57	38.1	15.9	65.73	100	360	P	V
802.11n HT20		11160	45.43	-28.57	74	56.89	38.2	15.98	65.64	100	0	P	H
CH 116 5580MHz		11160	45.69	-28.31	74	57.15	38.2	15.98	65.64	300	360	P	V
802.11n HT20		11400	45.23	-28.77	74	56.29	38.34	16.1	65.5	100	360	P	H
CH 140 5700MHz		11400	45.45	-28.55	74	56.51	38.34	16.1	65.5	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2C - 5470~5725MHz
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 102 5510MHz		5370.96	56.4	-17.6	74	40.57	34.5	10.85	29.52	100	114	P	H
		5466.64	56.85	-11.45	68.3	40.96	34.53	10.99	29.63	100	114	P	H
		5458.48	46.35	-7.65	54	30.48	34.53	10.97	29.63	100	114	A	H
	*	5506	101.01	-	-	85.1	34.55	11.04	29.68	100	114	P	H
		5506	93.07	-	-	77.16	34.55	11.04	29.68	100	114	A	H
		5745.8	58.35	-9.95	68.3	41.9	34.89	11.34	29.78	100	114	P	H
		5427.6	56.33	-17.67	74	40.51	34.51	10.91	29.6	357	212	P	V
		5465.36	54.79	-13.51	68.3	38.9	34.53	10.99	29.63	357	212	P	V
		5449.36	46.01	-7.99	54	30.11	34.53	10.97	29.6	357	212	A	V
	*	5512	96.78	-	-	80.87	34.55	11.04	29.68	357	212	P	V
		5512	89.46	-	-	73.55	34.55	11.04	29.68	357	212	A	V
		5737.24	57.99	-10.31	68.3	41.54	34.89	11.34	29.78	357	212	P	V
802.11n HT40 CH 110 5550MHz		5432.08	56.99	-17.01	74	41.13	34.52	10.94	29.6	100	112	P	H
		5468.24	55.59	-12.71	68.3	39.7	34.53	10.99	29.63	100	112	P	H
		5450.32	46.43	-7.57	54	30.56	34.53	10.97	29.63	100	112	A	H
	*	5554	100.89	-	-	84.94	34.57	11.11	29.73	100	112	P	H
		5554	93.18	-	-	77.23	34.57	11.11	29.73	100	112	A	H
		5739.4	58.17	-10.13	68.3	41.72	34.89	11.34	29.78	100	112	P	H
		5431.12	56.02	-17.98	74	40.16	34.52	10.94	29.6	391	215	P	V
		5468.88	55.83	-12.47	68.3	39.94	34.53	10.99	29.63	391	215	P	V
		5453.52	46.16	-7.84	54	30.29	34.53	10.97	29.63	391	215	A	V
	*	5548	97.29	-	-	81.31	34.57	11.11	29.7	391	215	P	V
		5548	89.86	-	-	73.88	34.57	11.11	29.7	391	215	A	V
		5749.48	57.83	-10.47	68.3	41.38	34.89	11.34	29.78	391	215	P	V



802.11n HT40 CH 134 5670MHz		5433.84	56.05	-17.95	74	40.19	34.52	10.94	29.6	100	111	P	H
		5465.04	55.67	-12.63	68.3	39.78	34.53	10.99	29.63	100	111	P	H
		5457.36	46.47	-7.53	54	30.6	34.53	10.97	29.63	100	111	A	H
	*	5674	102.12	-	-	85.91	34.75	11.26	29.8	100	111	P	H
		5674	93.99	-	-	77.78	34.75	11.26	29.8	100	111	A	H
		5732.2	58	-10.3	68.3	41.61	34.85	11.32	29.78	100	111	P	H
		5400.4	55.81	-18.19	74	39.99	34.5	10.89	29.57	353	216	P	V
		5460.56	54.97	-13.33	68.3	39.1	34.53	10.97	29.63	353	216	P	V
		5452.08	46.4	-7.6	54	30.53	34.53	10.97	29.63	353	216	A	V
	*	5680	97.81	-	-	81.6	34.75	11.26	29.8	353	216	P	V
		5680	89.85	-	-	73.64	34.75	11.26	29.8	353	216	A	V
		5756.44	57.95	-10.35	68.3	41.44	34.93	11.35	29.77	353	216	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2C - 5470~5725MHz

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		11020	44.74	-29.26	74	56.44	38.11	15.91	65.72	100	360	P	H
CH 102 5510MHz		11020	45.3	-28.7	74	57	38.11	15.91	65.72	100	0	P	V
802.11n HT40		11100	44.29	-29.71	74	55.85	38.16	15.95	65.67	100	0	P	H
CH 110 5550MHz		11100	44.62	-29.38	74	56.18	38.16	15.95	65.67	100	360	P	V
802.11n HT40		11340	44.26	-29.74	74	55.43	38.3	16.07	65.54	100	360	P	H
CH 134 5670MHz		11340	44.67	-29.33	74	55.84	38.3	16.07	65.54	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2C - 5470~5725MHz
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 106 5530MHz		5363.28	57.17	-16.83	74	41.34	34.5	10.85	29.52	100	106	P	H
		5465.68	55.88	-12.42	68.3	39.99	34.53	10.99	29.63	100	106	P	H
		5438.8	48.08	-5.92	54	32.22	34.52	10.94	29.6	100	106	A	H
	*	5536	96.32	-	-	80.36	34.57	11.09	29.7	100	106	P	H
		5536	88.62	-	-	72.66	34.57	11.09	29.7	100	106	A	H
		5754.76	58.32	-9.98	68.3	41.82	34.93	11.35	29.78	100	106	P	H
		5423.76	56.48	-17.52	74	40.63	34.51	10.91	29.57	279	64	P	V
		5469.68	55.39	-12.91	68.3	39.5	34.53	10.99	29.63	279	64	P	V
		5458.16	47.81	-6.19	54	31.94	34.53	10.97	29.63	279	64	A	V
	*	5536	93.68	-	-	77.72	34.57	11.09	29.7	279	64	P	V
		5536	86.24	-	-	70.28	34.57	11.09	29.7	279	64	A	V
		5761.16	57.7	-10.6	68.3	41.19	34.93	11.35	29.77	279	64	P	V
802.11ac VHT80 CH 122 5610MHz		5391.28	56.73	-17.27	74	40.91	34.5	10.87	29.55	252	103	P	H
		5465.52	56.03	-12.27	68.3	40.14	34.53	10.99	29.63	252	103	P	H
		5459.12	47.98	-6.02	54	32.11	34.53	10.97	29.63	252	103	A	H
	*	5602	97.99	-	-	81.96	34.6	11.19	29.76	252	103	P	H
		5602	90.58	-	-	74.55	34.6	11.19	29.76	252	103	A	H
		5749	57.55	-10.75	68.3	41.1	34.89	11.34	29.78	252	103	P	H
		5388.88	55.8	-18.2	74	39.98	34.5	10.87	29.55	303	70	P	V
		5467.28	55.84	-12.46	68.3	39.95	34.53	10.99	29.63	303	70	P	V
		5456.88	47.72	-6.28	54	31.85	34.53	10.97	29.63	303	70	A	V
	*	5602	95.79	-	-	79.76	34.6	11.19	29.76	303	70	P	V
		5602	87.76	-	-	71.73	34.6	11.19	29.76	303	70	A	V
		5761.08	58.53	-9.77	68.3	42.02	34.93	11.35	29.77	303	70	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2C 5470~5725MHz
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 106 5530MHz		11059	44.99	-29.01	74	56.61	38.14	15.93	65.69	100	0	P	H
		11059	45.07	-28.93	74	56.69	38.14	15.93	65.69	100	360	P	V
802.11ac VHT80 CH 122 5610MHz		11224	44.33	-29.67	74	55.7	38.23	16.01	65.61	100	360	P	H
		11224	45.55	-28.45	74	56.92	38.23	16.01	65.61	100	0	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Sample1---UNII-2C - Straddle Channel
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 144 5720MHz	*	5722	103.6	-	-	87.22	34.85	11.32	29.79	100	96	P	H
		5722	96.26	-	-	79.88	34.85	11.32	29.79	100	96	A	H
	*	5722	100.73	-	-	84.35	34.85	11.32	29.79	101	180	P	V
		5722	92.51	-	-	76.13	34.85	11.32	29.79	101	180	A	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



Sample1---UNII-2C - Straddle Channel

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 144 5720MHz		11444	44.36	-29.64	74	55.36	38.36	16.12	65.48	100	0	P	H
		11444	44.62	-29.38	74	55.62	38.36	16.12	65.48	100	360	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Sample1---UNII-2C - Straddle Channel

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 144 5720MHz	*	5722	105.28	-	-	88.9	34.85	11.32	29.79	100	110	P	H
		5722	96.87	-	-	80.49	34.85	11.32	29.79	100	110	A	H
	*	5716	100.5	-	-	84.17	34.82	11.3	29.79	315	207	P	V
		5716	91.85	-	-	75.52	34.82	11.3	29.79	315	207	A	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



Sample1---UNII-2C - Straddle Channel

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		11440	45.23	-28.77	74	56.23	38.36	16.12	65.48	100	360	P	H
CH 144 5720MHz		11440	45.52	-28.48	74	56.52	38.36	16.12	65.48	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Sample1---UNII-2C - Straddle Channel

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	*	5716	103.03	-	-	86.7	34.82	11.3	29.79	100	111	P	H
HT40		5716	94.19	-	-	77.86	34.82	11.3	29.79	100	111	A	H
CH 142	*	5704	97.07	-	-	80.75	34.82	11.3	29.8	353	216	P	V
5710MHz		5704	88.18	-	-	71.86	34.82	11.3	29.8	353	216	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2C - Straddle Channel

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		11420	45.72	-28.28	74	56.75	38.35	16.11	65.49	100	0	P	H
CH 142 5710MHz		11420	44.11	-29.89	74	55.14	38.35	16.11	65.49	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Sample1---UNII-2C - Straddle Channel

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	*	5686	98.6	-	-	82.34	34.78	11.28	29.8	111	100	P	H
VHT80		5686	90.48	-	-	74.22	34.78	11.28	29.8	111	100	A	H
CH 138	*	5698	95.46	-	-	79.2	34.78	11.28	29.8	100	185	P	V
5690MHz		5698	86.91	-	-	70.65	34.78	11.28	29.8	100	185	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample1---UNII-2C - Straddle Channel
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 138 5690MHz		11378	45.34	-28.66	74	56.45	38.32	16.09	65.52	100	360	P	H
		11378	45	-29	74	56.11	38.32	16.09	65.52	100	0	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Sample3---UNII-2A - 5250~5350MHz
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 52 5260MHz		10520	44	-24.3	68.3	57.07	37.58	15.64	66.29	100	0	P	H
		10520	44.96	-23.34	68.3	58.03	37.58	15.64	66.29	300	0	P	V
802.11a CH 60 5300MHz		10600	43.74	-30.26	74	56.57	37.67	15.69	66.19	100	0	P	H
		10600	44.46	-29.54	74	57.29	37.67	15.69	66.19	300	0	P	V
802.11a CH 64 5320MHz		10640	44.3	-29.7	74	57.03	37.71	15.71	66.15	100	0	P	H
		10640	44.32	-29.68	74	57.05	37.71	15.71	66.15	300	0	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



Sample3---UNII-2A 5250~5350MHz
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 52 5260MHz		10520	44.25	-24.05	68.3	57.32	37.58	15.64	66.29	300	360	P	H
		10520	44.14	-24.16	68.3	57.21	37.58	15.64	66.29	100	360	P	V
802.11n HT20 CH 60 5300MHz		10600	44.78	-29.22	74	57.61	37.67	15.69	66.19	300	360	P	H
		10600	44.32	-29.68	74	57.15	37.67	15.69	66.19	100	0	P	V
802.11n HT20 CH 64 5320MHz		10640	42.82	-31.18	74	55.55	37.71	15.71	66.15	300	0	P	H
		10640	43.48	-30.52	74	56.21	37.71	15.71	66.15	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample3---UNII-2A 5250~5350MHz
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 54 5270MHz		10540	44.34	-23.96	68.3	57.36	37.6	15.65	66.27	100	360	P	H
		10540	43.21	-25.09	68.3	56.23	37.6	15.65	66.27	300	360	P	V
802.11n HT40 CH 62 5310MHz		10620	43.57	-30.43	74	56.35	37.69	15.7	66.17	100	360	P	H
		10620	43.96	-30.04	74	56.74	37.69	15.7	66.17	300	360	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Sample3---UNII-2A 5250~5350MHz
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 58 5290MHz		10580	43.55	-24.75	68.3	56.43	37.65	15.68	66.21	100	0	P	H
		10580	42.97	-25.33	68.3	55.85	37.65	15.68	66.21	300	0	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



Sample3---UNII-2C - 5470~5725MHz

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 CH 100 5500MHz		11004	44.34	-29.66	74	56.07	38.1	15.9	65.73	100	360	P	H
		11004	45.46	-28.54	74	57.19	38.1	15.9	65.73	300	360	P	V
802.11a CH 116 5580MHz		11160	44.66	-29.34	74	56.12	38.2	15.98	65.64	100	360	P	H
		11160	44.33	-29.67	74	55.79	38.2	15.98	65.64	300	360	P	V
802.11a CH 140 5700MHz		11400	45.97	-28.03	74	57.03	38.34	16.1	65.5	100	360	P	H
		11400	44.82	-29.18	74	55.88	38.34	16.1	65.5	300	360	P	V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													



Sample3---UNII-2C - 5470~5725MHz

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		11000	44.2	-29.8	74	55.93	38.1	15.9	65.73	300	0	P	H
CH 100 5500MHz		11000	43.98	-30.02	74	55.71	38.1	15.9	65.73	300	0	P	V
802.11n HT20		11160	43.7	-30.3	74	55.16	38.2	15.98	65.64	100	0	P	H
CH 116 5580MHz		11160	43.79	-30.21	74	55.25	38.2	15.98	65.64	300	0	P	V
802.11n HT20		11400	43.83	-30.17	74	54.89	38.34	16.1	65.5	100	0	P	V
CH 140 5700MHz		11400	44.91	-29.09	74	55.97	38.34	16.1	65.5	300	0	P	H
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample3---UNII-2C - 5470~5725MHz

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		11020	44.38	-29.62	74	56.08	38.11	15.91	65.72	100	360	P	H
CH 102 5510MHz		11015	43.61	-30.39	74	55.31	38.11	15.91	65.72	300	360	P	V
802.11n HT40		11100	44.11	-29.89	74	55.67	38.16	15.95	65.67	100	360	P	H
CH 110 5550MHz		11100	47.52	-26.48	74	59.08	38.16	15.95	65.67	300	360	P	V
802.11n HT40		11340	43.99	-30.01	74	55.16	38.3	16.07	65.54	100	360	P	H
CH 134 5670MHz		11340	44.32	-29.68	74	55.49	38.3	16.07	65.54	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample3---UNII-2C - 5470~5725MHz
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 106 5530MHz		11060	44.17	-29.83	74	55.79	38.14	15.93	65.69	100	0	P	H
		11060	44.84	-29.16	74	56.46	38.14	15.93	65.69	300	0	P	V
802.11ac VHT80 CH 122 5610MHz		11220	44.82	-29.18	74	56.19	38.23	16.01	65.61	100	360	P	H
		11220	44.9	-29.1	74	56.27	38.23	16.01	65.61	300	360	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Sample3---UNII-2C - Straddle Channel
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 144 5720MHz		11440	44.35	-29.65	74	55.35	38.36	16.12	65.48	100	360	P	H
		11440	44.67	-29.33	74	55.67	38.36	16.12	65.48	300	360	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



Sample3---UNII-2C - Straddle Channel

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		11440	44.18	-29.82	74	55.18	38.36	16.12	65.48	100	360	P	H
CH 144 5720MHz		11440	44.06	-29.94	74	55.06	38.36	16.12	65.48	300	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Sample3---UNII-2C - Straddle Channel

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		11420	44.72	-29.28	74	55.75	38.35	16.11	65.49	100	0	P	H
CH 142 5710MHz		11420	45.12	-28.88	74	56.15	38.35	16.11	65.49	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Sample3---UNII-2C - Straddle Channel
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 138 5690MHz		11380	44.24	-29.76	74	55.33	38.33	16.09	65.51	100	0	P	H
		11380	44.25	-29.75	74	55.34	38.33	16.09	65.51	300	0	P	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											

Sample2 (Worse Channel) ---UNII-2A - 5250~5350MHz

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 58 5290MHz		5113.12	59.78	-14.22	74	44.1	34.33	10.61	29.26	259	113	P	H
		5123.84	48.58	-5.42	54	32.88	34.37	10.61	29.28	259	113	A	H
	*	5290	98.03	-	-	82.23	34.5	10.74	29.44	259	113	P	H
		5290	92.2	-	-	76.4	34.5	10.74	29.44	259	113	A	H
		5363	57.76	-16.24	74	41.93	34.5	10.85	29.52	259	113	P	H
		5355.4	47.46	-6.54	54	31.65	34.5	10.83	29.52	259	113	A	H
		5140.32	58.64	-15.36	74	42.9	34.4	10.62	29.28	328	216	P	V
		5115.68	48.65	-5.35	54	32.97	34.33	10.61	29.26	328	216	A	V
	*	5296	92.68	-	-	76.85	34.5	10.77	29.44	328	216	P	V
		5296	86.02	-	-	70.19	34.5	10.77	29.44	328	216	A	V
		5379.7	56.58	-17.42	74	40.76	34.5	10.87	29.55	328	216	P	V
		5363.8	46.35	-7.65	54	30.52	34.5	10.85	29.52	328	216	A	V
Remark		1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



Sample2 (Worse Channel) ---UNII-2A 5250~5350MHz

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 58 5290MHz		10580	44.66	-23.64	68.3	57.54	37.65	15.68	66.21	100	0	P	H
		10580	44.79	-23.51	68.3	57.67	37.65	15.68	66.21	300	0	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 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)
5GHz 802.11ac VHT80 LF		38.73	29.42	-10.58	40	41.38	20.1	0.84	32.9	-	-	P	H
		86.26	26.27	-13.73	40	43.93	13.9	1.33	32.89	-	-	P	H
		213.33	25.26	-18.24	43.5	41.25	14.92	2.09	33	-	-	P	H
		410.24	27.2	-18.8	46	35.13	22.1	3.02	33.05	-	-	P	H
		433.52	28.77	-17.23	46	36.14	22.67	3.09	33.13	-	-	P	H
		565.44	28.96	-17.04	46	32.85	26.1	3.33	33.32	-	-	P	H
		38.73	31.44	-8.56	40	43.4	20.1	0.84	32.9	-	-	P	V
		87.23	28.77	-11.23	40	46.33	14	1.33	32.89	-	-	P	V
		171.62	19.72	-23.78	43.5	35.55	15.2	1.91	32.94	-	-	P	V
		324.88	24.4	-21.6	46	35.31	19.4	2.65	32.96	-	-	P	V
		565.44	29.57	-16.43	46	33.46	26.1	3.33	33.32	-	-	P	V
		590.66	28.75	-17.25	46	32.88	25.6	3.56	33.29	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Co-location

Co-location --- UNII-2A - 5250~5350MHz

WIFI 802.11ac VHT80&&nRF Bypass Mode (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 58 5290MHz		5118.88	58.18	-15.82	74	42.52	34.33	10.61	29.28	256	109	P	H
		5127.68	48.28	-5.72	54	32.58	34.37	10.61	29.28	256	109	A	H
		5284	96.63	-	-	80.83	34.5	10.74	29.44	256	109	P	H
		5284	89.23	-	-	73.43	34.5	10.74	29.44	256	109	A	H
		5360.4	56.95	-17.05	74	41.14	34.5	10.83	29.52	256	109	P	H
		5357.4	47.45	-6.55	54	31.64	34.5	10.83	29.52	256	109	A	H
		5105.44	58.61	-15.39	74	42.97	34.3	10.6	29.26	323	73	P	V
		5109.44	48.58	-5.42	54	32.9	34.33	10.61	29.26	323	73	A	V
		5296	93.86	-	-	78.03	34.5	10.77	29.44	323	73	P	V
		5296	86.3	-	-	70.47	34.5	10.77	29.44	323	73	A	V
		5387.1	56.86	-17.14	74	41.04	34.5	10.87	29.55	323	73	P	V
		5351.5	46.61	-7.39	54	30.8	34.5	10.83	29.52	323	73	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-2A 5250~5350MHz

WIFI 802.11ac VHT80&nRF Bypass Mode (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		10580	45.81	-22.49	68.3	58.69	37.65	15.68	66.21	300	360	P	H
CH 58 5290MHz		10580	44.85	-23.45	68.3	57.73	37.65	15.68	66.21	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT80&nRF Bypass Mode (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--Bypass CH 38 2478MHz		2483.8	60.1	-13.9	74	51.37	32.12	7.28	30.67	257	171	P	H
		2483.5	46.53	-7.47	54	37.8	32.12	7.28	30.67	257	171	A	H
		2478	104.16	-	-	95.43	32.12	7.28	30.67	257	171	P	H
		2478	97.08	-	-	88.35	32.12	7.28	30.67	257	171	A	H
		2483.98	60.27	-13.73	74	51.54	32.12	7.28	30.67	100	54	P	V
		2483.68	46.75	-7.25	54	38.02	32.12	7.28	30.67	100	54	A	V
		2478	104.45	-	-	95.72	32.12	7.28	30.67	100	54	P	V
		2478	96.63	-	-	87.9	32.12	7.28	30.67	100	54	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11ac VHT80&&nRF Bypass Mode (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--Bypass		4956	41.01	-32.99	74	61.85	34.1	10.51	65.45	100	360	P	H
CH 38		7434	42.46	-31.54	74	59.12	35.8	12.86	65.32	100	360	P	H
2478MHz		4956	41.46	-32.54	74	62.3	34.1	10.51	65.45	300	360	P	V
		7434	42.26	-31.74	74	58.92	35.8	12.86	65.32	300	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:

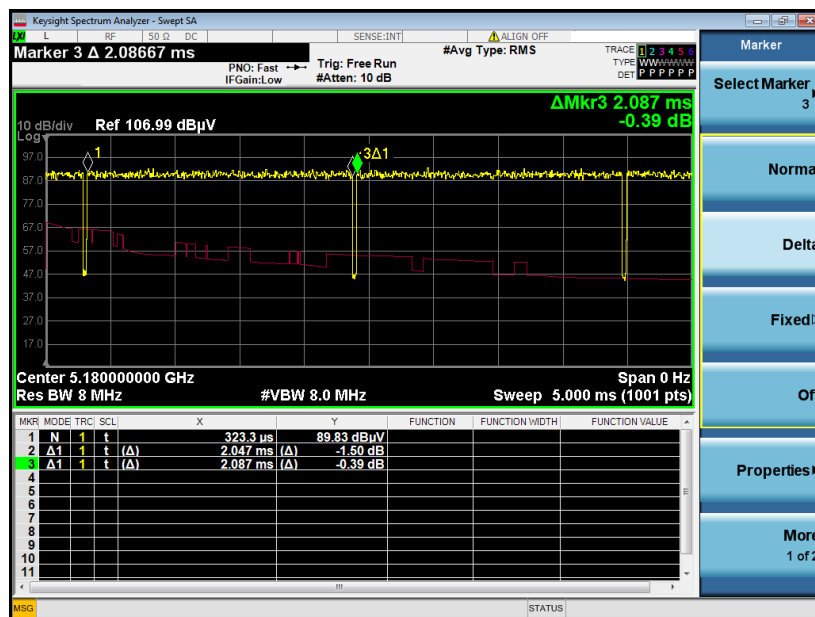
1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

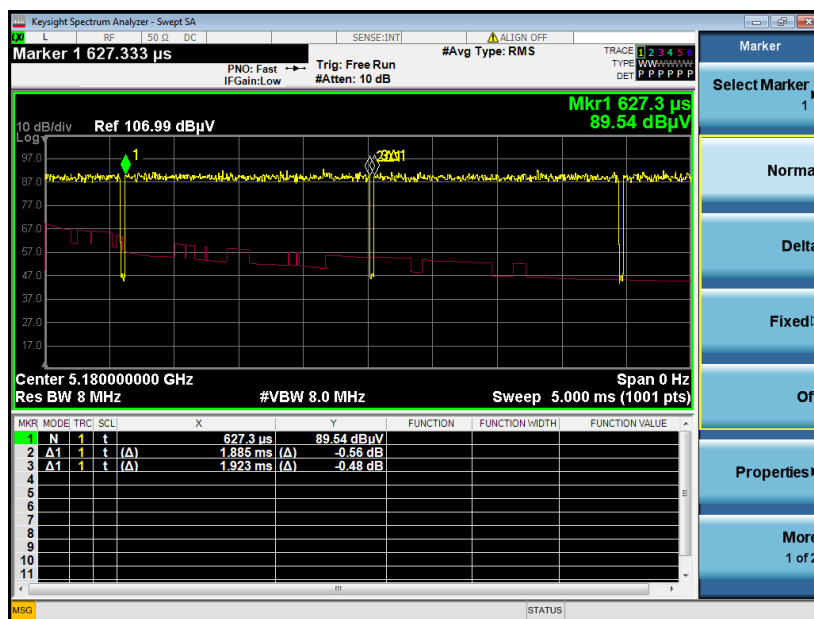
Both peak and average measured complies with the limit line, so test result is “PASS”.

Appendix D. Duty Cycle Plots

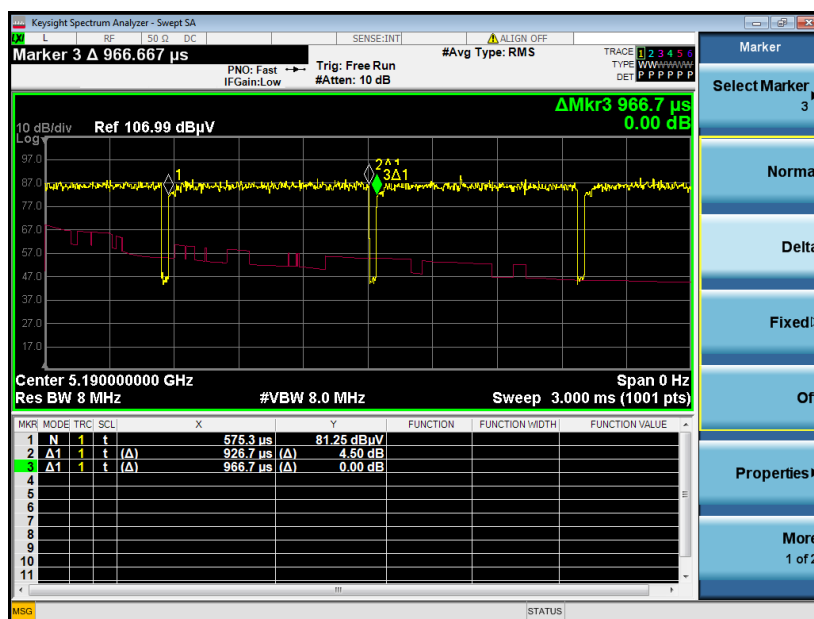
Band	Duty Cycle(%)	Duty factor(dB)
802.11a	98.08	0.08
802.11n HT20	98.02	0.09
802.11n HT40	95.86	0.18
802.11ac VHT80	92.29	0.35

802.11a





802.11n HT40



802.11ac VHT80

