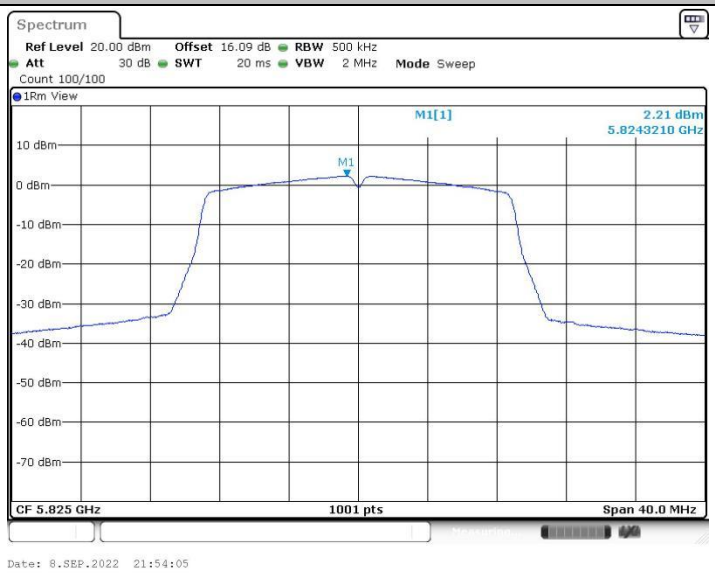
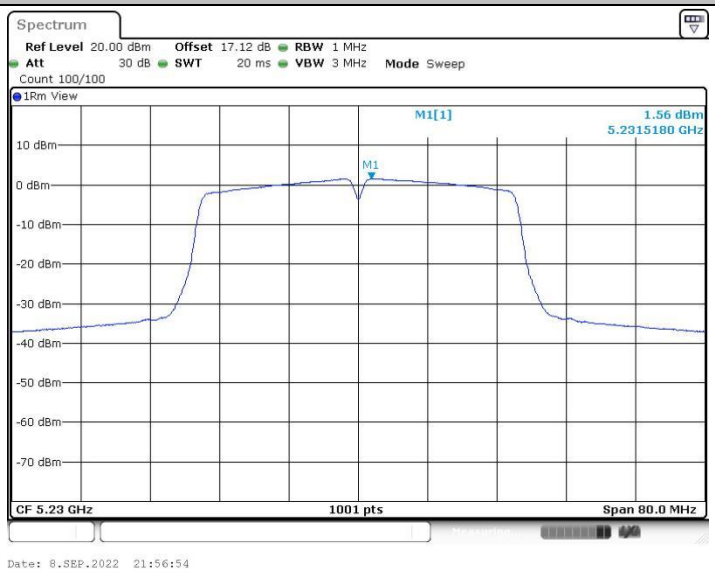
11AC20SISO_Ant1_5785

11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190

11AC40SISO_Ant1_5230



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11AC40SISO_Ant1_5310

11AC40SISO_Ant1_5510

11AC40SISO_Ant1_5550

11AC40SISO_Ant1_5670

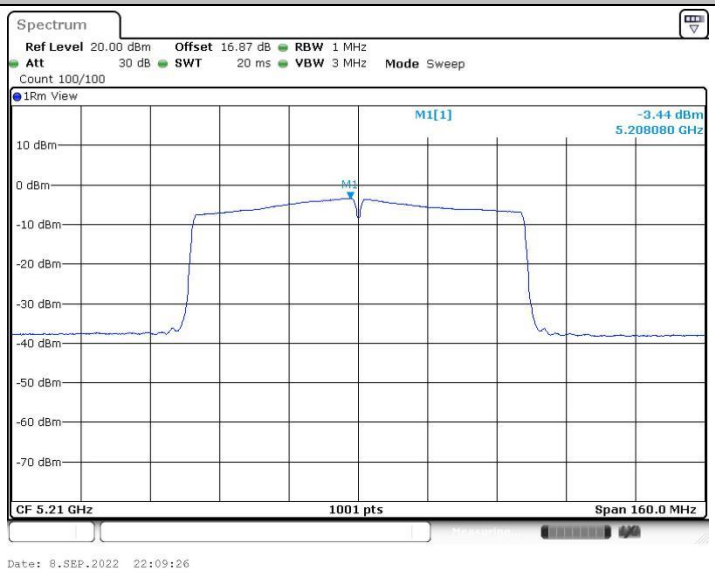
11AC40SISO_Ant1_5710_UNII-2C

11AC40SISO_Ant1_5710_UNII-3

11AC40SISO_Ant1_5755

11AC40SISO_Ant1_5795

11AC80SISO_Ant1_5210



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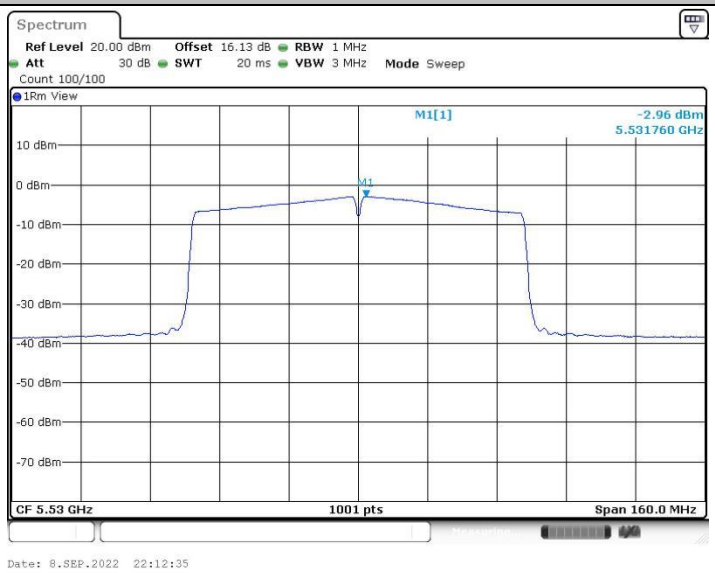
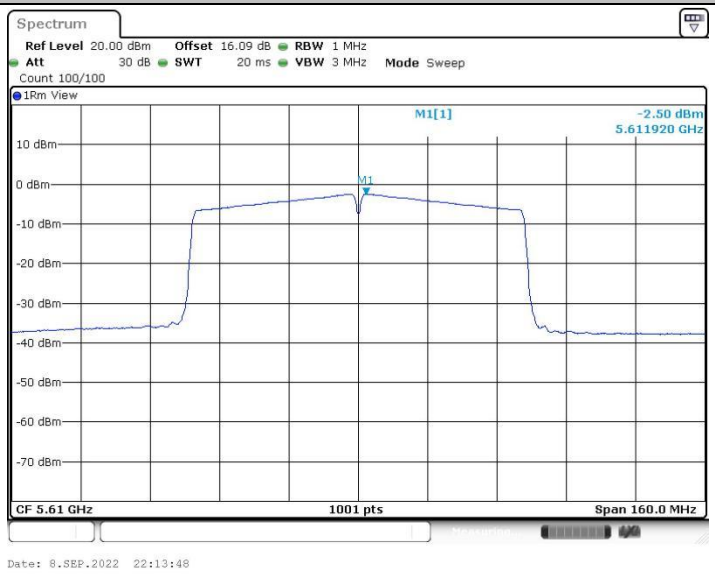
11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



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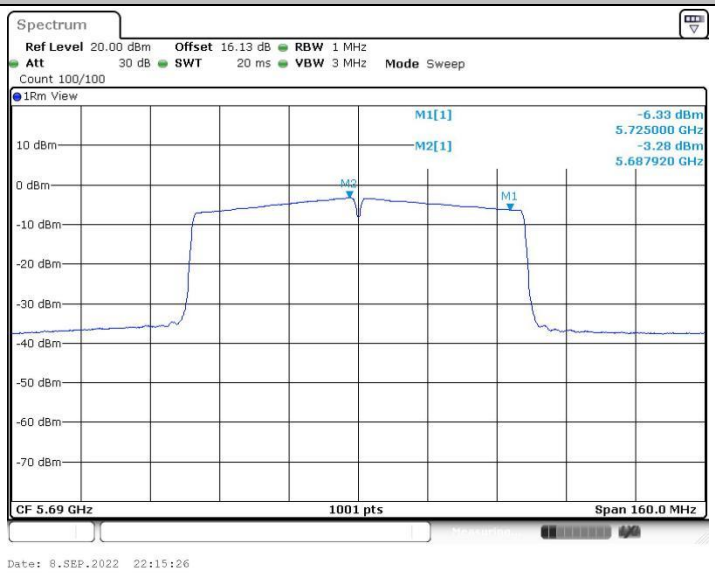

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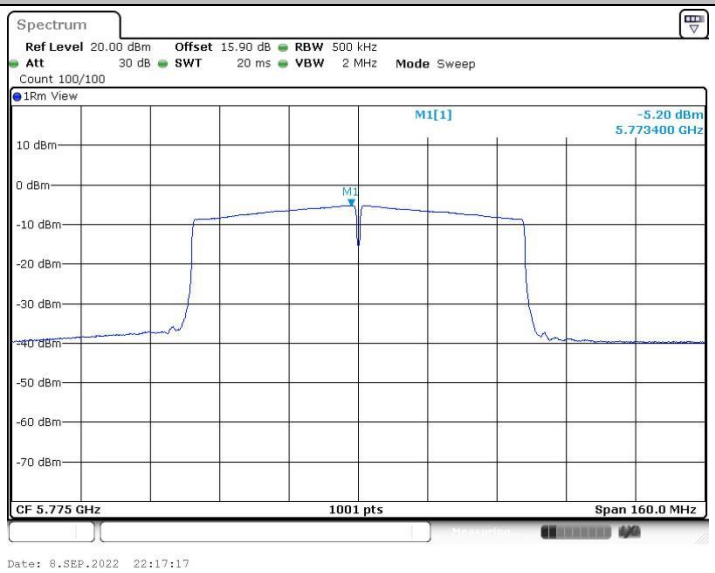
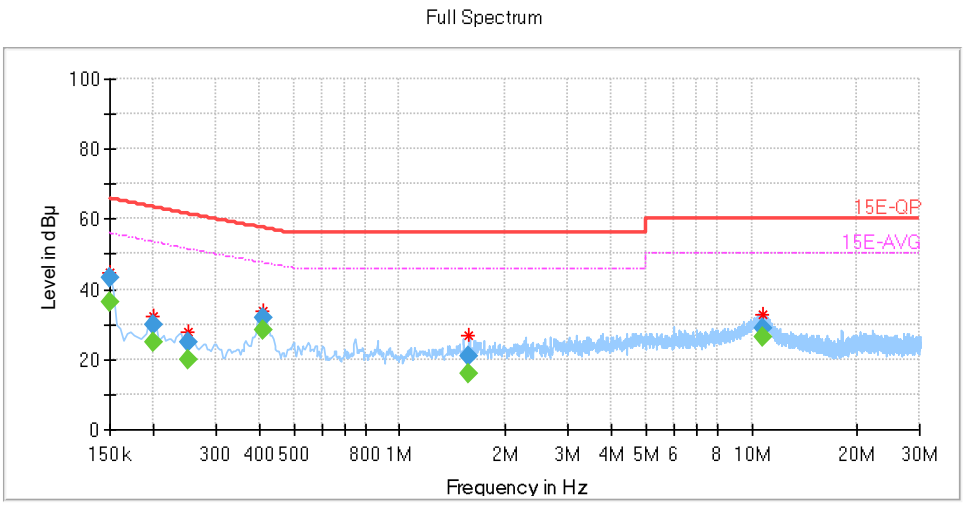
11AC80SISO_Ant1_5775



Appendix B. AC Conducted Emission Test Results

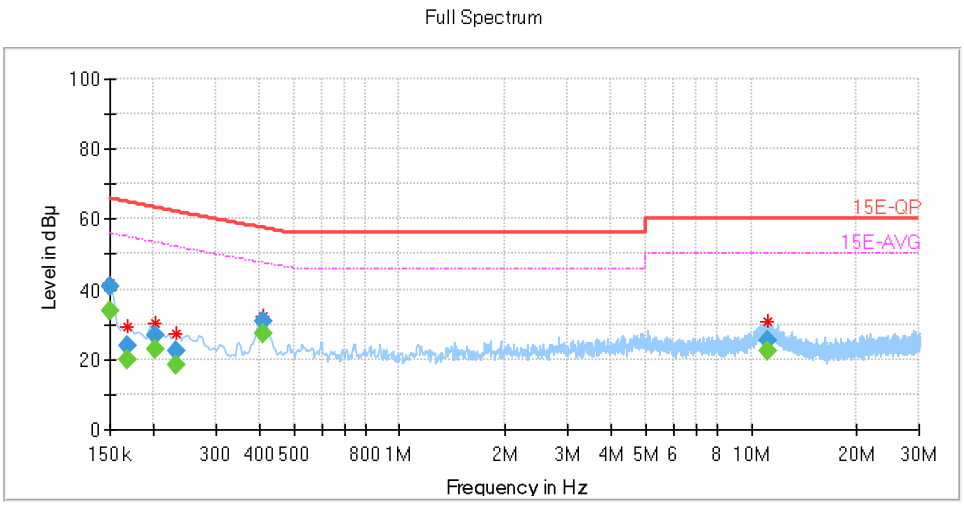
Test Engineer :	Amos	**Temperature :**	24.2~25.6℃
		Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final_Result

Frequency (MHz)	Quasi Peak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	36.27	56.00	19.73	L1	OFF	20.1
0.150000	43.49	---	66.00	22.51	L1	OFF	20.1
0.199275	---	24.71	53.46	28.75	L1	OFF	20.0
0.199275	29.78	---	63.49	33.71	L1	OFF	20.0
0.250744	---	19.98	51.49	31.51	L1	OFF	19.9
0.250744	24.69	---	61.53	36.84	L1	OFF	19.9
0.408169	---	28.50	47.55	19.05	L1	OFF	19.9
0.408169	31.81	---	57.57	25.76	L1	OFF	19.9
1.573088	---	15.96	46.00	30.04	L1	OFF	19.8
1.573088	21.09	---	56.00	34.91	L1	OFF	19.8
10.717612	---	26.36	50.00	23.64	L1	OFF	20.0
10.717612	28.99	---	60.00	31.01	L1	OFF	20.0

Test Engineer :	Amos	**Temperature :**	24.2~25.6℃
		Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Frequency (MHz)	Quasi Peak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	33.87	56.00	22.13	N	OFF	20.2
0.150000	40.84	---	66.00	25.16	N	OFF	20.2
0.168656	---	19.77	54.94	35.16	N	OFF	20.2
0.168656	24.08	---	64.95	40.87	N	OFF	20.2
0.200756	---	23.02	53.40	30.38	N	OFF	20.2
0.200756	27.05	---	63.43	36.38	N	OFF	20.2
0.231319	---	18.37	52.17	33.80	N	OFF	20.1
0.231319	22.20	---	62.21	40.01	N	OFF	20.1
0.408225	---	27.30	47.55	20.25	N	OFF	19.9
0.408225	30.63	---	57.57	26.94	N	OFF	19.9
11.101626	---	22.55	50.00	27.45	N	OFF	20.1
11.101626	25.35	---	60.00	34.65	N	OFF	20.1

Appendix C. Radiated Spurious Emission

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	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
SISO		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.76	60.46	-13.54	74	48.39	34.1	9.78	31.81	200	176	P	H
		5150	48.56	-5.44	54	36.49	34.1	9.78	31.81	200	176	A	H
	*	5182	108.6			96.51	34.1	9.81	31.82	200	176	P	H
		5182	102.47			90.38	34.1	9.81	31.82	200	176	A	H
		5149.12	56.47	-17.53	74	44.4	34.1	9.78	31.81	132	348	P	V
		5150	45.69	-8.31	54	33.62	34.1	9.78	31.81	132	348	A	V
	*	5182	105.44			93.35	34.1	9.81	31.82	132	348	P	V
		5182	99.33			87.24	34.1	9.81	31.82	132	348	A	V
802.11a CH 44 5220MHz		5137.92	53.6	-20.4	74	41.52	34.1	9.77	31.79	238	196	P	H
		5141.12	43.36	-10.64	54	31.27	34.1	9.78	31.79	238	196	A	H
	*	5224	107.79			95.63	34.17	9.84	31.85	238	196	P	H
		5224	101.56			89.4	34.17	9.84	31.85	238	196	A	H
		5353.2	52.12	-21.88	74	39.49	34.65	9.91	31.93	238	196	P	H
		5350.5	42.38	-11.62	54	29.75	34.65	9.91	31.93	238	196	A	H
		5128.8	54.19	-19.81	74	42.11	34.1	9.77	31.79	238	203	P	V
		5135.04	43.07	-10.93	54	30.99	34.1	9.77	31.79	238	203	A	V
	*	5218	106.68			94.51	34.17	9.84	31.84	238	203	P	V
		5218	99.59			87.42	34.17	9.84	31.84	238	203	A	V
		5397.3	52.32	-21.68	74	39.53	34.8	9.94	31.95	238	203	P	V
		5350.68	41.98	-12.02	54	29.35	34.65	9.91	31.93	238	203	A	V

802.11a CH 48 5240MHz		5366.34	53.55	-20.45	74	40.86	34.7	9.92	31.93	206	162	P	H
		5351.76	42.69	-11.31	54	30.06	34.65	9.91	31.93	206	162	A	H
	*	5242	107.98			95.67	34.3	9.86	31.85	206	162	P	H
		5242	101.42			89.11	34.3	9.86	31.85	206	162	A	H
		5355.18	52.41	-21.59	74	39.78	34.65	9.91	31.93	129	357	P	V
		5351.22	41.92	-12.08	54	29.29	34.65	9.91	31.93	129	357	A	V
	*	5242	106.19			93.88	34.3	9.86	31.85	129	357	P	V
		5242	98.98			86.67	34.3	9.86	31.85	129	357	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. SISO	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		10366	54.03	-14.27	68.3	64.01	37.65	14.13	61.76	300	0	P	H
		10366	54.6	-13.7	68.3	64.58	37.65	14.13	61.76	100	0	P	V
		15536	52.5	-21.5	74	56.42	40.07	17.51	61.5	369	0	P	V
		15536	42.41	-11.59	54	46.33	40.07	17.51	61.5	369	0	A	V
802.11a CH 44 5220MHz		10443	53.81	-14.49	68.3	63.72	37.67	14.18	61.76	300	0	P	H
		10432	52.75	-15.55	68.3	62.66	37.67	14.18	61.76	100	0	P	V
802.11a CH 48 5240MHz		10476	52.49	-15.81	68.3	62.35	37.69	14.2	61.75	300	0	P	H
		10476	53.58	-14.72	68.3	63.44	37.69	14.2	61.75	100	0	P	V
		15723	55.35	-18.65	74	58.79	40.45	17.61	61.5	322	352	P	V
		15723	43.54	-10.46	54	46.98	40.45	17.61	61.5	322	352	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. SISO	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 VHT20 CH 36 5180MHz		5149.6	57.82	-16.18	74	45.75	34.1	9.78	31.81	199	177	P	H
		5150	46.98	-7.02	54	34.91	34.1	9.78	31.81	199	177	A	H
	*	5176	108.31			96.22	34.1	9.81	31.82	199	177	P	H
		5176	100.92			88.83	34.1	9.81	31.82	199	177	A	H
		5149.76	54.94	-19.06	74	42.87	34.1	9.78	31.81	114	348	P	V
		5150	44.95	-9.05	54	32.88	34.1	9.78	31.81	114	348	A	V
	*	5182	104.22			92.13	34.1	9.81	31.82	114	348	P	V
		5182	98.02			85.93	34.1	9.81	31.82	114	348	A	V
802.11ac VHT20 CH 44 5220MHz		5139.52	53.29	-20.71	74	41.2	34.1	9.78	31.79	113	186	P	H
		5126.88	42.92	-11.08	54	30.84	34.1	9.77	31.79	113	186	A	H
	*	5218	106.16			93.99	34.17	9.84	31.84	113	186	P	H
		5218	99.98			87.81	34.17	9.84	31.84	113	186	A	H
		5362.38	52.41	-21.59	74	39.72	34.7	9.92	31.93	113	186	P	H
		5381.1	42.44	-11.56	54	29.71	34.75	9.93	31.95	113	186	A	H
		5104.16	53.45	-20.55	74	41.39	34.1	9.74	31.78	243	201	P	V
		5100.16	42.94	-11.06	54	30.88	34.1	9.74	31.78	243	201	A	V
	*	5218	104.58			92.41	34.17	9.84	31.84	243	201	P	V
		5218	98.25			86.08	34.17	9.84	31.84	243	201	A	V
		5390.46	52.06	-21.94	74	39.33	34.75	9.93	31.95	243	201	P	V
		5350.86	42.21	-11.79	54	29.58	34.65	9.91	31.93	243	201	A	V

802.11ac VHT20 CH 48 5240MHz		5350.14	52.33	-21.67	74	39.7	34.65	9.91	31.93	176	185	P	H
		5351.58	42.77	-11.23	54	30.14	34.65	9.91	31.93	176	185	A	H
	*	5242	107.64			95.33	34.3	9.86	31.85	176	185	P	H
		5242	99.94			87.63	34.3	9.86	31.85	176	185	A	H
		5367.42	52.19	-21.81	74	39.5	34.7	9.92	31.93	231	204	P	V
		5351.04	42.53	-11.47	54	29.9	34.65	9.91	31.93	231	204	A	V
	*	5236	106.33			94.1	34.23	9.85	31.85	231	204	P	V
		5236	99.12			86.89	34.23	9.85	31.85	231	204	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. SISO	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 VHT20 CH 36 5180MHz		10355	52.21	-16.09	68.3	62.21	37.64	14.12	61.76	300	0	P	H
		10366	52.92	-15.38	68.3	62.9	37.65	14.13	61.76	100	0	P	V
802.11ac VHT20 CH 44 5220MHz		10443	52.88	-15.42	68.3	62.79	37.67	14.18	61.76	300	0	P	H
		10432	51.87	-16.43	68.3	61.78	37.67	14.18	61.76	100	0	P	V
802.11ac VHT20 CH 48 5240MHz		10476	51.9	-16.4	68.3	61.76	37.69	14.2	61.75	300	0	P	H
		10476	51.97	-16.33	68.3	61.83	37.69	14.2	61.75	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. SISO	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 VHT40 CH 38 5190MHz		5131.68	55.12	-18.88	74	43.04	34.1	9.77	31.79	237	185	P	H
		5149.6	45.79	-8.21	54	33.72	34.1	9.78	31.81	237	185	A	H
	*	5194	103.87			91.76	34.1	9.83	31.82	237	185	P	H
		5194	97.01			84.9	34.1	9.83	31.82	237	185	A	H
		5357.34	52.89	-21.11	74	40.26	34.65	9.91	31.93	237	185	P	H
		5352.12	42.21	-11.79	54	29.58	34.65	9.91	31.93	237	185	A	H
		5149.28	54.51	-19.49	74	42.44	34.1	9.78	31.81	245	198	P	V
		5149.44	45.15	-8.85	54	33.08	34.1	9.78	31.81	245	198	A	V
	*	5182	102.19			90.1	34.1	9.81	31.82	245	198	P	V
		5182	95.29			83.2	34.1	9.81	31.82	245	198	A	V
		5390.1	52.36	-21.64	74	39.63	34.75	9.93	31.95	245	198	P	V
		5350.86	42.2	-11.8	54	29.57	34.65	9.91	31.93	245	198	A	V
802.11ac VHT40 CH 46 5230MHz		5142.24	53.59	-20.41	74	41.5	34.1	9.78	31.79	223	186	P	H
		5150	43.34	-10.66	54	31.27	34.1	9.78	31.81	223	186	A	H
	*	5230	103.7			91.47	34.23	9.85	31.85	223	186	P	H
		5230	97.29			85.06	34.23	9.85	31.85	223	186	A	H
		5351.58	52.68	-21.32	74	40.05	34.65	9.91	31.93	223	186	P	H
		5350.14	42.59	-11.41	54	29.96	34.65	9.91	31.93	223	186	A	H
		5107.68	53.66	-20.34	74	41.58	34.1	9.76	31.78	215	204	P	V
		5149.76	42.8	-11.2	54	30.73	34.1	9.78	31.81	215	204	A	V
	*	5230	101.94			89.71	34.23	9.85	31.85	215	204	P	V
		5230	95.35			83.12	34.23	9.85	31.85	215	204	A	V
		5378.4	52.3	-21.7	74	39.57	34.75	9.93	31.95	215	204	P	V
		5350	42.38	-11.62	54	29.75	34.65	9.91	31.93	215	204	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. SISO	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 VHT40 CH 38 5190MHz		10377	49.64	-18.66	68.3	59.6	37.65	14.15	61.76	300	0	P	H
		10377	48.65	-19.65	68.3	58.61	37.65	14.15	61.76	100	0	P	V
802.11ac VHT40 CH 46 5230MHz		10465	48.91	-19.39	68.3	58.77	37.69	14.2	61.75	300	0	P	H
		10465	49.74	-18.56	68.3	59.6	37.69	14.2	61.75	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. SISO	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		5149.6	55.61	-18.39	74	43.54	34.1	9.78	31.81	133	186	P	H
		5149.92	46.54	-7.46	54	34.47	34.1	9.78	31.81	133	186	A	H
	*	5212	99.07			86.9	34.17	9.84	31.84	133	186	P	H
		5212	92.14			79.97	34.17	9.84	31.84	133	186	A	H
		5359.86	52.75	-21.25	74	40.12	34.65	9.91	31.93	133	186	P	H
		5351.94	42.52	-11.48	54	29.89	34.65	9.91	31.93	133	186	A	H
		5148.16	55.53	-18.47	74	43.46	34.1	9.78	31.81	211	207	P	V
		5149.92	45.79	-8.21	54	33.72	34.1	9.78	31.81	211	207	A	V
	*	5212	98.79			86.62	34.17	9.84	31.84	211	207	P	V
		5212	90.94			78.77	34.17	9.84	31.84	211	207	A	V
		5351.94	52.13	-21.87	74	39.5	34.65	9.91	31.93	211	207	P	V
		5351.58	42.12	-11.88	54	29.49	34.65	9.91	31.93	211	207	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. SISO	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	46.01	-22.29	68.3	55.93	37.67	14.17	61.76	300	0	P	H
		10421	46.36	-21.94	68.3	56.28	37.67	14.17	61.76	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2A - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. SISO	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		5135.2	53.36	-20.64	74	41.28	34.1	9.77	31.79	208	188	P	H
		5140	43.01	-10.99	54	30.92	34.1	9.78	31.79	208	188	A	H
	*	5260	108.69			96.32	34.37	9.87	31.87	208	188	P	H
		5260	102.3			89.93	34.37	9.87	31.87	208	188	A	H
		5110.72	53.54	-20.46	74	41.46	34.1	9.76	31.78	113	358	P	V
		5140	42.46	-11.54	54	30.37	34.1	9.78	31.79	113	358	A	V
	*	5260	105.68			93.31	34.37	9.87	31.87	113	358	P	V
		5260	99.45			87.08	34.37	9.87	31.87	113	358	A	V
802.11a CH 60 5300MHz		5105.6	52.47	-21.53	74	40.39	34.1	9.76	31.78	156	185	P	H
		5139.2	42.59	-11.41	54	30.51	34.1	9.77	31.79	156	185	A	H
	*	5302	109.11			96.62	34.5	9.89	31.9	156	185	P	H
		5302	102.71			90.22	34.5	9.89	31.9	156	185	A	H
		5370.9	55.04	-18.96	74	42.35	34.7	9.92	31.93	156	185	P	H
		5350.1	44.38	-9.62	54	31.75	34.65	9.91	31.93	156	185	A	H
		5140.96	52.03	-21.97	74	39.94	34.1	9.78	31.79	125	359	P	V
		5136	42.33	-11.67	54	30.25	34.1	9.77	31.79	125	359	A	V
	*	5296	105.9			93.39	34.5	9.89	31.88	125	359	P	V
		5296	99.41			86.9	34.5	9.89	31.88	125	359	A	V
		5388	53.16	-20.84	74	40.43	34.75	9.93	31.95	125	359	P	V
		5350.2	42.63	-11.37	54	30	34.65	9.91	31.93	125	359	A	V

802.11a CH 64 5320MHz		5351.3	58.58	-15.42	74	45.95	34.65	9.91	31.93	239	183	P	H
		5350	48.18	-5.82	54	35.55	34.65	9.91	31.93	239	183	A	H
	*	5320	109.7			97.16	34.55	9.89	31.9	239	183	P	H
		5320	103.08			90.54	34.55	9.89	31.9	239	183	A	H
		5350.9	54.91	-19.09	74	42.28	34.65	9.91	31.93	102	349	P	V
		5350	44.76	-9.24	54	32.13	34.65	9.91	31.93	102	349	A	V
	*	5320	104.93			92.39	34.55	9.89	31.9	102	349	P	V
		5320	99			86.46	34.55	9.89	31.9	102	349	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2A 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. SISO	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	53.84	-14.46	68.3	63.64	37.71	14.24	61.75	300	0	P	H
		10520	53.13	-15.17	68.3	62.93	37.71	14.24	61.75	100	0	P	V
		15789	55.99	-18.01	74	59.26	40.59	17.64	61.5	312	350	P	V
		15789	43.98	-10.02	54	47.25	40.59	17.64	61.5	312	350	A	V
802.11a CH 60 5300MHz		10608	55.66	-18.34	74	65.35	37.76	14.29	61.74	320	335	P	H
		10608	45.39	-8.61	54	55.08	37.76	14.29	61.74	320	335	A	H
		10600.01	54.59	-19.41	74	64.28	37.76	14.29	61.74	312	79	P	V
		10600.01	44.99	-9.01	54	54.68	37.76	14.29	61.74	312	79	A	V
		15910	55.5	-18.5	74	58.46	40.83	17.71	61.5	298	351	P	V
		15910	44.58	-9.42	54	47.54	40.83	17.71	61.5	298	351	A	V
802.11a CH 64 5320MHz		10641	55.4	-18.6	74	65.04	37.78	14.32	61.74	295	335	P	H
		10641	44.76	-9.24	54	54.4	37.78	14.32	61.74	295	335	A	H
		10641	51.55	-22.45	74	61.19	37.78	14.32	61.74	100	0	P	V
		10641	44.5	-9.5	54	54.14	37.78	14.32	61.74	298	353	A	V
		15954	56.01	-17.99	74	58.85	40.93	17.73	61.5	329	355	P	V
		15954	45.37	-8.63	54	48.21	40.93	17.73	61.5	329	355	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 VHT20 (Band Edge @ 3m)

WIFI Ant. SISO	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 VHT20 CH 52 5260MHz		5108.32	53.55	-20.45	74	41.47	34.1	9.76	31.78	116	189	P	H
		5140	42.92	-11.08	54	30.83	34.1	9.78	31.79	116	189	A	H
	*	5260	107.1			94.73	34.37	9.87	31.87	116	189	P	H
		5260	100.94			88.57	34.37	9.87	31.87	116	189	A	H
		5127.84	53.61	-20.39	74	41.53	34.1	9.77	31.79	242	204	P	V
		5140	42.73	-11.27	54	30.64	34.1	9.78	31.79	242	204	A	V
	*	5260	106.25			93.88	34.37	9.87	31.87	242	204	P	V
		5260	99.65			87.28	34.37	9.87	31.87	242	204	A	V
802.11ac VHT20 CH 60 5300MHz		5122.56	53.36	-20.64	74	41.28	34.1	9.77	31.79	118	183	P	H
		5137.76	42.52	-11.48	54	30.44	34.1	9.77	31.79	118	183	A	H
	*	5302	107.85			95.36	34.5	9.89	31.9	118	183	P	H
		5302	101.53			89.04	34.5	9.89	31.9	118	183	A	H
		5350.9	53.7	-20.3	74	41.07	34.65	9.91	31.93	118	183	P	H
		5350.9	44.18	-9.82	54	31.55	34.65	9.91	31.93	118	183	A	H
		5104.32	52.41	-21.59	74	40.35	34.1	9.74	31.78	170	178	P	V
		5120.32	42.26	-11.74	54	30.19	34.1	9.76	31.79	170	178	A	V
	*	5302	105.4			92.91	34.5	9.89	31.9	170	178	P	V
		5302	98.7			86.21	34.5	9.89	31.9	170	178	A	V
		5359	52.22	-21.78	74	39.59	34.65	9.91	31.93	170	178	P	V
		5350.3	42.64	-11.36	54	30.01	34.65	9.91	31.93	170	178	A	V

802.11ac VHT20 CH 64 5320MHz		5350.2	55.85	-18.15	74	43.22	34.65	9.91	31.93	120	186	P	H
		5350	46.57	-7.43	54	33.94	34.65	9.91	31.93	120	186	A	H
	*	5320	107.75			95.21	34.55	9.89	31.9	120	186	P	H
		5320	101.58			89.04	34.55	9.89	31.9	120	186	A	H
		5350.8	54.51	-19.49	74	41.88	34.65	9.91	31.93	101	5	P	V
		5350	44.26	-9.74	54	31.63	34.65	9.91	31.93	101	5	A	V
	*	5320	104.22			91.68	34.55	9.89	31.9	101	5	P	V
		5320	97.73			85.19	34.55	9.89	31.9	101	5	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 VHT20 (Harmonic @ 3m)

WIFI Ant. SISO	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 VHT20 CH 52 5260MHz		10520	52.49	-15.81	68.3	62.29	37.71	14.24	61.75	300	0	P	H
		10531	50.94	-17.36	68.3	60.72	37.72	14.25	61.75	100	0	P	V
802.11ac VHT20 CH 60 5300MHz		10600.01	49.83	-24.17	74	59.52	37.76	14.29	61.74	300	0	P	H
		10600.01	53.46	-20.54	74	63.15	37.76	14.29	61.74	291	84	P	V
		10600.01	43.52	-10.48	54	53.21	37.76	14.29	61.74	291	84	A	V
802.11ac VHT20 CH 64 5320MHz		10641	49.47	-24.53	74	59.11	37.78	14.32	61.74	300	0	P	H
		10641	53.93	-20.07	74	63.57	37.78	14.32	61.74	299	84	P	V
		10641	43.26	-10.74	54	52.9	37.78	14.32	61.74	299	84	A	V
		15965	54.65	-19.35	74	57.49	40.93	17.73	61.5	370	354	P	V
		15965	43.51	-10.49	54	46.35	40.93	17.73	61.5	370	354	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 VHT40 (Band Edge @ 3m)

WIFI Ant. SISO	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 VHT40 CH 54 5270MHz		5141.28	53.4	-20.6	74	41.31	34.1	9.78	31.79	216	187	P	H
		5150	43.03	-10.97	54	30.96	34.1	9.78	31.81	216	187	A	H
	*	5266	104.94			92.57	34.37	9.87	31.87	216	187	P	H
		5266	98.42			86.05	34.37	9.87	31.87	216	187	A	H
		5360.8	53.49	-20.51	74	40.8	34.7	9.92	31.93	216	187	P	H
		5350.7	43.66	-10.34	54	31.03	34.65	9.91	31.93	216	187	A	H
		5141.44	53.21	-20.79	74	41.12	34.1	9.78	31.79	209	208	P	V
		5127.84	42.64	-11.36	54	30.56	34.1	9.77	31.79	209	208	A	V
	*	5272	102.67			90.31	34.37	9.87	31.88	209	208	P	V
		5272	95.87			83.51	34.37	9.87	31.88	209	208	A	V
		5390.8	53.09	-20.91	74	40.36	34.75	9.93	31.95	209	208	P	V
		5353	42.84	-11.16	54	30.21	34.65	9.91	31.93	209	208	A	V
802.11ac VHT40 CH 62 5310MHz		5140.64	53.7	-20.3	74	41.61	34.1	9.78	31.79	216	184	P	H
		5116.48	42.91	-11.09	54	30.83	34.1	9.76	31.78	216	184	A	H
	*	5314	105.22			92.68	34.55	9.89	31.9	216	184	P	H
		5314	98.03			85.49	34.55	9.89	31.9	216	184	A	H
		5352.5	55.95	-18.05	74	43.32	34.65	9.91	31.93	216	184	P	H
		5350.2	46.61	-7.39	54	33.98	34.65	9.91	31.93	216	184	A	H
		5139.68	53.46	-20.54	74	41.37	34.1	9.78	31.79	246	204	P	V
		5116.64	42.72	-11.28	54	30.64	34.1	9.76	31.78	246	204	A	V
	*	5308	102.24			89.75	34.5	9.89	31.9	246	204	P	V
		5308	95.62			83.13	34.5	9.89	31.9	246	204	A	V
		5350	54.35	-19.65	74	41.72	34.65	9.91	31.93	246	204	P	V
		5350	44.85	-9.15	54	32.22	34.65	9.91	31.93	246	204	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 VHT40 (Harmonic @ 3m)

WIFI Ant. SISO	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 VHT40 CH 54 5270MHz		10542	48.11	-20.19	68.3	57.89	37.72	14.25	61.75	300	0	P	H
		10542	48.39	-19.91	68.3	58.17	37.72	14.25	61.75	100	0	P	V
802.11ac VHT40 CH 62 5310MHz		10630	47.71	-26.29	74	57.37	37.77	14.31	61.74	300	0	P	H
		10619	48.67	-25.33	74	58.33	37.77	14.31	61.74	100	0	P	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 (Band Edge @ 3m)

WIFI Ant. SISO	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		5130.08	52.51	-21.49	74	40.43	34.1	9.77	31.79	239	185	P	H
		5149.92	42.61	-11.39	54	30.54	34.1	9.78	31.81	239	185	A	H
	*	5296	98.83	-	-	86.32	34.5	9.89	31.88	239	185	P	H
		5296	92.15	-	-	79.64	34.5	9.89	31.88	239	185	A	H
		5350.5	56.57	-17.43	74	43.94	34.65	9.91	31.93	239	185	P	H
		5350	47.98	-6.02	54	35.35	34.65	9.91	31.93	239	185	A	H
		5134.4	53.85	-20.15	74	41.77	34.1	9.77	31.79	225	213	P	V
		5149.6	42.61	-11.39	54	30.54	34.1	9.78	31.81	225	213	A	V
	*	5290	97.28	-	-	84.85	34.43	9.88	31.88	225	213	P	V
		5290	90.64	-	-	78.21	34.43	9.88	31.88	225	213	A	V
		5351.2	53.93	-20.07	74	41.3	34.65	9.91	31.93	225	213	P	V
		5350.1	45.87	-8.13	54	33.24	34.65	9.91	31.93	225	213	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 (Harmonic @ 3m)

WIFI Ant. SISO	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	44.75	-23.55	68.3	54.48	37.74	14.27	61.74	300	0	P	H
		10575	45.51	-22.79	68.3	55.24	37.74	14.27	61.74	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 802.11a (Band Edge @ 3m)

WIFI Ant. SISO	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		5455.92	55.11	-18.89	74	42.28	34.8	10.02	31.99	100	182	P	H
		5469.68	59.17	-9.13	68.3	46.32	34.8	10.04	31.99	100	182	P	H
		5460	46.07	-7.93	54	33.24	34.8	10.02	31.99	100	182	A	H
	*	5500	109.91	-	-	97.03	34.8	10.09	32.01	100	182	P	H
		5500	103.21	-	-	90.33	34.8	10.09	32.01	100	182	A	H
		5448.88	54.03	-19.97	74	41.19	34.8	10.02	31.98	216	112	P	V
		5469.52	54.57	-13.73	68.3	41.72	34.8	10.04	31.99	216	112	P	V
		5460	43.69	-10.31	54	30.86	34.8	10.02	31.99	216	112	A	V
	*	5500	104.78	-	-	91.9	34.8	10.09	32.01	216	112	P	V
		5500	98.12	-	-	85.24	34.8	10.09	32.01	216	112	A	V
802.11a CH 116 5580MHz		5458.64	53.34	-20.66	74	40.51	34.8	10.02	31.99	112	180	P	H
		5470	53.7	-14.6	68.3	40.85	34.8	10.04	31.99	112	180	P	H
		5459.92	43.59	-10.41	54	30.76	34.8	10.02	31.99	112	180	A	H
	*	5584	110.49	-	-	97.71	34.63	10.22	32.07	112	180	P	H
		5584	103.97	-	-	91.19	34.63	10.22	32.07	112	180	A	H
		5756.12	54.56	-13.74	68.3	41.61	34.57	10.37	31.99	112	180	P	H
		5448.56	52.55	-21.45	74	39.71	34.8	10.02	31.98	279	86	P	V
		5466.32	52.63	-15.67	68.3	39.78	34.8	10.04	31.99	279	86	P	V
		5459.92	42.61	-11.39	54	29.78	34.8	10.02	31.99	279	86	A	V
	*	5584	106.05	-	-	93.27	34.63	10.22	32.07	279	86	P	V
		5584	99.56	-	-	86.78	34.63	10.22	32.07	279	86	A	V
		5759.32	52.79	-15.51	68.3	39.84	34.57	10.37	31.99	279	86	P	V

802.11a CH 140 5700MHz		5726.04	63.99	-4.31	68.3	51.15	34.53	10.35	32.04	100	175	P	H
	*	5698	110.57	-	-	97.81	34.5	10.32	32.06	100	175	P	H
		5698	102.28	-	-	89.52	34.5	10.32	32.06	100	175	A	H
		5725.08	61.1	-7.2	68.3	48.26	34.53	10.35	32.04	215	105	P	V
	*	5704	106.72	-	-	93.93	34.52	10.33	32.06	215	105	P	V
		5704	100.25	-	-	87.46	34.52	10.33	32.06	215	105	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. SISO	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		11004	52.67	-21.33	74	61.81	38	14.56	61.7	291	347	P	H
		11004	42.52	-11.48	54	51.66	38	14.56	61.7	291	347	A	H
		16493	54.28	-14.02	68.3	56.41	41.39	17.98	61.5	300	0	P	H
		11004	49.26	-24.74	74	58.4	38	14.56	61.7	100	0	P	V
		16504	56.3	-12	68.3	58.42	41.4	17.98	61.5	100	0	P	V
802.11a CH 116 5580MHz		11158	53.81	-20.19	74	62.6	38.1	14.68	61.57	243	340	P	H
		11158	44.74	-9.26	54	53.53	38.1	14.68	61.57	243	340	A	H
		16735	54.96	-13.34	68.3	57.11	41.26	18.09	61.5	300	0	P	H
		11158	50.11	-23.89	74	58.9	38.1	14.68	61.57	100	0	P	V
		16735	53.27	-15.03	68.3	55.42	41.26	18.09	61.5	100	0	P	V
802.11a CH 140 5700MHz		11400	55.29	-18.71	74	63.58	38.24	14.85	61.38	217	0	P	H
		11400	44.55	-9.45	54	52.84	38.24	14.85	61.38	217	0	A	H
		17109	53.33	-14.97	68.3	55.4	41.08	18.29	61.44	300	0	P	H
		11400	52.86	-21.14	74	61.15	38.24	14.85	61.38	284	97	P	V
		11400	43.4	-10.6	54	51.69	38.24	14.85	61.38	284	97	A	V
		17098	54.05	-14.25	68.3	56.14	41.08	18.28	61.45	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 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. SISO	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 VHT20 CH 100 5500MHz		5439.12	54.82	-19.18	74	42.01	34.8	9.99	31.98	101	178	P	H
		5467.6	57.46	-10.84	68.3	44.61	34.8	10.04	31.99	101	178	P	H
		5460	45.45	-8.55	54	32.62	34.8	10.02	31.99	101	178	P	H
	*	5500	109.79	-	-	96.91	34.8	10.09	32.01	101	178	P	H
		5500	102.96	-	-	90.08	34.8	10.09	32.01	101	178	A	H
		5366.48	53.64	-20.36	74	40.95	34.7	9.92	31.93	306	75	P	V
		5467.28	53.24	-15.06	68.3	40.39	34.8	10.04	31.99	306	75	P	V
		5460	43.64	-10.36	54	30.81	34.8	10.02	31.99	306	75	A	V
	*	5500	104.85	-	-	91.97	34.8	10.09	32.01	306	75	P	V
		5500	97.87	-	-	84.99	34.8	10.09	32.01	306	75	A	V
802.11ac VHT20 CH 116 5580MHz		5443.44	53.13	-20.87	74	40.32	34.8	9.99	31.98	109	179	P	H
		5465.04	54.63	-13.67	68.3	41.78	34.8	10.04	31.99	109	179	P	H
		5459.92	44.67	-9.33	54	31.84	34.8	10.02	31.99	109	179	A	H
	*	5578	110.31	-	-	97.51	34.67	10.2	32.07	109	179	P	H
		5578	103.6	-	-	90.8	34.67	10.2	32.07	109	179	A	H
		5728.84	54.07	-14.23	68.3	41.23	34.53	10.35	32.04	109	179	P	H
		5423.28	51.97	-22.03	74	39.16	34.8	9.97	31.96	283	87	P	V
		5468.4	52.13	-16.17	68.3	39.28	34.8	10.04	31.99	283	87	P	V
		5459.92	43.08	-10.92	54	30.25	34.8	10.02	31.99	283	87	A	V
	*	5584	105.97	-	-	93.19	34.63	10.22	32.07	283	87	P	V
		5584	99.01	-	-	86.23	34.63	10.22	32.07	283	87	A	V
		5760.68	54.06	-14.24	68.3	41.11	34.57	10.37	31.99	283	87	P	V

802.11ac VHT20 CH 140 5700MHz		5727.24	65.06	-3.24	68.3	52.22	34.53	10.35	32.04	100	175	P	H
	*	5698	110.46	-	-	97.7	34.5	10.32	32.06	100	175	P	H
		5698	103.61	-	-	90.85	34.5	10.32	32.06	100	175	A	H
		5729.56	60.19	-8.11	68.3	47.35	34.53	10.35	32.04	116	72	P	V
	*	5698	106.48	-	-	93.72	34.5	10.32	32.06	116	72	P	V
		5698	99.05	-	-	86.29	34.5	10.32	32.06	116	72	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C - 5470~5725MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. SISO	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 VHT20 CH 100 5500MHz		11004	48.97	-25.03	74	58.11	38	14.56	61.7	300	0	P	H
		16493	52.58	-15.72	68.3	54.71	41.39	17.98	61.5	300	0	P	H
		11004	47.93	-26.07	74	57.07	38	14.56	61.7	100	0	P	V
		16504	53.73	-14.57	68.3	55.85	41.4	17.98	61.5	100	0	P	V
802.11ac VHT20 CH 116 5580MHz		11158	54.02	-19.98	74	62.81	38.1	14.68	61.57	289	343	P	H
		11158	43.9	-10.1	54	52.69	38.1	14.68	61.57	289	343	A	H
		16746	51.78	-16.52	68.3	53.93	41.26	18.09	61.5	300	0	P	H
		11158	49.21	-24.79	74	58	38.1	14.68	61.57	100	0	P	V
		16746	52.23	-16.07	68.3	54.38	41.26	18.09	61.5	100	0	P	V
802.11ac VHT20 CH 140 5700MHz		11400	53.24	-20.76	74	61.53	38.24	14.85	61.38	214	360	P	H
		11400	43.33	-10.67	54	51.62	38.24	14.85	61.38	214	360	A	H
		17109	52.58	-15.72	68.3	54.65	41.08	18.29	61.44	300	0	P	H
		11400	49.04	-24.96	74	57.33	38.24	14.85	61.38	100	0	P	V
		17098	52.77	-15.53	68.3	54.86	41.08	18.28	61.45	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 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. SISO	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 VHT40 CH 102 5510MHz		5438	55.19	-18.81	74	42.38	34.8	9.99	31.98	108	182	P	H
		5470	58	-10.3	68.3	45.15	34.8	10.04	31.99	108	182	P	H
		5460	45.7	-8.3	54	32.87	34.8	10.02	31.99	108	182	A	H
	*	5512	104.97	-	-	92.1	34.8	10.09	32.02	108	182	P	H
		5512	98.36	-	-	85.49	34.8	10.09	32.02	108	182	A	H
		5758.28	53.92	-14.38	68.3	40.97	34.57	10.37	31.99	108	182	P	H
		5455.12	52.86	-21.14	74	40.03	34.8	10.02	31.99	243	112	P	V
		5468.72	54.04	-14.26	68.3	41.19	34.8	10.04	31.99	243	112	P	V
		5459.92	43.17	-10.83	54	30.34	34.8	10.02	31.99	243	112	A	V
	*	5506	99.97	-	-	87.1	34.8	10.09	32.02	243	112	P	V
		5506	93.25	-	-	80.38	34.8	10.09	32.02	243	112	A	V
		5748.6	52.98	-15.32	68.3	40.08	34.55	10.36	32.01	243	112	P	V
802.11ac VHT40 CH 110 5550MHz		5449.84	53.83	-20.17	74	41	34.8	10.02	31.99	113	182	P	H
		5460.72	52.85	-15.45	68.3	40.02	34.8	10.02	31.99	113	182	P	H
		5459.28	43.75	-10.25	54	30.92	34.8	10.02	31.99	113	182	A	H
	*	5548	105.98	-	-	93.15	34.7	10.17	32.04	113	182	P	H
		5548	98.72	-	-	85.89	34.7	10.17	32.04	113	182	A	H
		5745.8	53.38	-14.92	68.3	40.48	34.55	10.36	32.01	113	182	P	H
		5354.64	53.37	-20.63	74	40.74	34.65	9.91	31.93	215	91	P	V
		5461.68	52.01	-16.29	68.3	39.18	34.8	10.02	31.99	215	91	P	V
		5458.96	42.64	-11.36	54	29.81	34.8	10.02	31.99	215	91	A	V
	*	5554	101.06	-	-	88.24	34.7	10.17	32.05	215	91	P	V
		5554	94.06	-	-	81.24	34.7	10.17	32.05	215	91	A	V
		5741.4	54.75	-13.55	68.3	41.85	34.55	10.36	32.01	215	91	P	V

802.11ac VHT40 CH 134 5670MHz		5451.92	53.13	-20.87	74	40.3	34.8	10.02	31.99	104	182	P	H
		5463.44	52.7	-15.6	68.3	39.85	34.8	10.04	31.99	104	182	P	H
		5460	42.62	-11.38	54	29.79	34.8	10.02	31.99	104	182	A	H
	*	5674	106.87	-	-	94.13	34.52	10.3	32.08	104	182	P	H
		5674	100.37	-	-	87.63	34.52	10.3	32.08	104	182	A	H
		5730.44	59.46	-8.84	68.3	46.59	34.53	10.35	32.01	104	182	P	H
		5371.28	52.49	-21.51	74	39.8	34.7	9.92	31.93	229	99	P	V
		5464.72	52.04	-16.26	68.3	39.19	34.8	10.04	31.99	229	99	P	V
		5459.28	42.26	-11.74	54	29.43	34.8	10.02	31.99	229	99	A	V
	*	5662	103.26	-	-	90.51	34.54	10.29	32.08	229	99	P	V
		5662	96.07	-	-	83.32	34.54	10.29	32.08	229	99	A	V
		5725.08	55.99	-12.31	68.3	43.15	34.53	10.35	32.04	229	99	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C - 5470~5725MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. SISO	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 VHT40 CH 102 5510MHz		11015	46.12	-27.88	74	55.23	38.01	14.57	61.69	300	0	P	H
		11015	46.01	-27.99	74	55.12	38.01	14.57	61.69	100	0	P	V
802.11ac VHT40 CH 110 5550MHz		11114	48.02	-25.98	74	56.92	38.07	14.64	61.61	300	0	P	H
		11092	47.12	-26.88	74	56.05	38.06	14.63	61.62	100	0	P	V
802.11ac VHT40 CH 134 5670MHz		11345	49.13	-24.87	74	57.53	38.21	14.81	61.42	300	0	P	H
		11345	47.04	-26.96	74	55.44	38.21	14.81	61.42	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 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. SISO	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		5458	60.38	-13.62	74	47.55	34.8	10.02	31.99	116	183	P	H
		5469.84	61.01	-7.29	68.3	48.16	34.8	10.04	31.99	116	183	P	H
		5458	50.84	-3.16	54	38.01	34.8	10.02	31.99	116	183	A	H
	*	5542	102.65	-	-	89.81	34.73	10.15	32.04	116	183	P	H
		5542	95.65	-	-	82.81	34.73	10.15	32.04	116	183	A	H
		5730.84	54.31	-13.99	68.3	41.44	34.53	10.35	32.01	116	183	P	H
		5452.56	55.73	-18.27	74	42.9	34.8	10.02	31.99	233	94	P	V
		5470	57.77	-10.53	68.3	44.92	34.8	10.04	31.99	233	94	P	V
		5458	46.53	-7.47	54	33.7	34.8	10.02	31.99	233	94	A	V
	*	5530	98.25	-	-	85.4	34.77	10.12	32.04	233	94	P	V
		5530	91.6	-	-	78.75	34.77	10.12	32.04	233	94	A	V
		5726.44	53.54	-14.76	68.3	40.7	34.53	10.35	32.04	233	94	P	V
802.11ac VHT80 CH 122 5610MHz		5458.48	53.39	-20.61	74	40.56	34.8	10.02	31.99	108	181	P	H
		5469.36	53.54	-14.76	68.3	40.69	34.8	10.04	31.99	108	181	P	H
		5460	43.29	-10.71	54	30.46	34.8	10.02	31.99	108	181	A	H
	*	5608	102.16	-	-	89.39	34.6	10.25	32.08	108	181	P	H
		5608	95.48	-	-	82.71	34.6	10.25	32.08	108	181	A	H
		5725.32	54.73	-13.57	68.3	41.89	34.53	10.35	32.04	108	181	P	H
		5454.8	52.1	-21.9	74	39.27	34.8	10.02	31.99	322	115	P	V
		5467.44	52.17	-16.13	68.3	39.32	34.8	10.04	31.99	322	115	P	V
		5459.92	42.39	-11.61	54	29.56	34.8	10.02	31.99	322	115	A	V
	*	5614	96.97	-	-	84.2	34.6	10.25	32.08	322	115	P	V
		5614	89.98	-	-	77.21	34.6	10.25	32.08	322	115	A	V
		5737.88	53.2	-15.1	68.3	40.3	34.55	10.36	32.01	322	115	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. SISO	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	45.45	-28.55	74	54.45	38.04	14.61	61.65	300	0	P	H
		11059	45.85	-28.15	74	54.85	38.04	14.61	61.65	100	0	P	V
802.11ac VHT80 CH 122 5610MHz		11224	46.53	-27.47	74	55.21	38.13	14.72	61.53	300	0	P	H
		11224	45.97	-28.03	74	54.65	38.13	14.72	61.53	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. SISO	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	*	5716	110.92	-	-	98.11	34.52	10.33	32.04	400	0	P	H
		5716	102.82	-	-	90.01	34.52	10.33	32.04	400	0	A	H
	*	5722	105.87	-	-	93.03	34.53	10.35	32.04	100	0	P	V
		5722	98.47	-	-	85.63	34.53	10.35	32.04	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. SISO	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		11433	54.53	-19.47	74	62.75	38.26	14.87	61.35	310	317	P	H
		11433	44.71	-9.29	54	52.93	38.26	14.87	61.35	310	317	A	H
		17164	52.29	-16.01	68.3	54.32	41.07	18.32	61.42	300	0	P	H
		11433	52.8	-21.2	74	61.02	38.26	14.87	61.35	296	308	P	V
		11433	42.98	-11.02	54	51.2	38.26	14.87	61.35	296	308	A	V
		17164	54.06	-14.24	68.3	56.09	41.07	18.32	61.42	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C - Straddle Channel

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. SISO	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	*	5722	110.64	-	-	97.8	34.53	10.35	32.04	400	0	P	H
VHT20		5722	102.09	-	-	89.25	34.53	10.35	32.04	400	0	A	H
CH 144	*	5722	104.31	-	-	91.47	34.53	10.35	32.04	100	0	P	V
5720MHz		5722	95.99	-	-	83.15	34.53	10.35	32.04	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C - Straddle Channel

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. SISO	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 VHT20 CH 144 5720MHz		11444	54.48	-19.52	74	62.7	38.26	14.87	61.35	298	318	P	H
		11444	43.9	-10.1	54	52.12	38.26	14.87	61.35	298	318	A	H
		17153	52.02	-16.28	68.3	54.06	41.07	18.31	61.42	300	0	P	H
		11444	52.98	-21.02	74	61.2	38.26	14.87	61.35	299	360	P	V
		11444	43.4	-10.6	54	51.62	38.26	14.87	61.35	299	360	A	V
		17164	52.91	-15.39	68.3	54.94	41.07	18.32	61.42	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C - Straddle Channel

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. SISO	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	*	5710	105.19	-	-	92.38	34.52	10.33	32.04	400	0	P	H
VHT40		5710	99.23	-	-	86.42	34.52	10.33	32.04	400	0	A	H
CH 142	*	5716	100.49	-	-	87.68	34.52	10.33	32.04	100	0	P	V
5710MHz		5716	92.23	-	-	79.42	34.52	10.33	32.04	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C - Straddle Channel

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. SISO	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 VHT40 CH 142 5710MHz		11422	49.81	-24.19	74	58.07	38.25	14.86	61.37	300	0	P	H
		11411	47.61	-26.39	74	55.9	38.24	14.85	61.38	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. SISO	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	102.45	-	-	89.69	34.5	10.32	32.06	400	0	P	H
VHT80		5686	92.6	-	-	79.84	34.5	10.32	32.06	400	0	A	H
CH 138	*	5692	95.68	-	-	82.92	34.5	10.32	32.06	100	0	P	V
5690MHz		5692	87.43	-	-	74.67	34.5	10.32	32.06	100	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-2C - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. SISO	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		11400	49.02	-24.98	74	57.31	38.24	14.85	61.38	300	0	P	H
		11389	47.35	-26.65	74	55.67	38.23	14.84	61.39	100	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. SISO	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		62.98	26.87	-13.13	40	46.36	12.08	0.88	32.45			P	H
		207.51	27.04	-16.46	43.5	42.08	15.18	1.95	32.17			P	H
		342.34	32.68	-13.32	46	42.13	20.26	2.49	32.2			P	H
		432.55	37.49	-8.51	46	44.41	22.68	2.81	32.41			P	H
		542.16	30.16	-15.84	46	34.35	25.18	3.14	32.51			P	H
		820.55	30.95	-15.05	46	30.39	28.65	3.87	31.96			P	H
		40.67	36.68	-3.32	40	49.2	19.31	0.59	32.42	100	0	P	V
		79.47	29.67	-10.33	40	47.4	13.5	1.09	32.32			P	V
		167.74	26.2	-17.3	43.5	40.78	15.86	1.73	32.17			P	V
		322.94	27.71	-18.29	46	37.79	19.69	2.42	32.19			P	V
		631.4	27.75	-18.25	46	30.45	26.24	3.4	32.34			P	V
		827.34	40.66	-5.34	46	39.9	28.8	3.88	31.92			P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

UNII-3 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. SISO	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		5623.2	53.22	-15.08	68.3	40.46	34.58	10.26	32.08	113	181	P	H
		5699.2	58.02	-46.69	104.71	45.26	34.5	10.32	32.06	113	181	P	H
		5719.6	66.69	-44.1	110.79	53.85	34.53	10.35	32.04	113	181	P	H
		5723.6	69.95	-49.16	119.11	57.11	34.53	10.35	32.04	113	181	P	H
		5746	110.08	-	-	97.18	34.55	10.36	32.01	113	181	P	H
		5746	104.62	-	-	91.72	34.55	10.36	32.01	113	181	A	H
		5642	52.65	-15.65	68.3	39.91	34.56	10.28	32.1	179	113	P	V
		5660.8	52.52	-23.8	76.32	39.77	34.54	10.29	32.08	179	113	P	V
		5719.6	62.09	-48.7	110.79	49.25	34.53	10.35	32.04	179	113	P	V
		5723.6	66.95	-52.16	119.11	54.11	34.53	10.35	32.04	179	113	P	V
		5746	106.03	-	-	93.13	34.55	10.36	32.01	179	113	P	V
		5746	100.18	-	-	87.28	34.55	10.36	32.01	179	113	A	V

WIFI Ant. SISO	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		5631.2	53.4	-14.9	68.3	40.66	34.58	10.26	32.1	100	176	P	H
		5694.8	55.16	-46.31	101.47	42.4	34.5	10.32	32.06	100	176	P	H
		5708	54.49	-53.05	107.54	41.68	34.52	10.33	32.04	100	176	P	H
		5722	53.44	-62.02	115.46	40.6	34.53	10.35	32.04	100	176	P	H
		5782	110.73	-	-	97.73	34.58	10.39	31.97	100	176	P	H
		5782	104.33	-	-	91.33	34.58	10.39	31.97	100	176	A	H
		5854.4	52.69	-59.58	112.27	39.29	34.87	10.46	31.93	100	176	P	H
		5868	55.15	-52.11	107.26	41.77	34.87	10.46	31.95	100	176	P	H
		5906	54.16	-28.16	82.32	40.55	35.07	10.51	31.97	100	176	P	H
		5951.6	53.17	-15.13	68.3	39.45	35.2	10.53	32.01	100	176	P	H
		5608.8	52.33	-15.97	68.3	39.56	34.6	10.25	32.08	208	115	P	V
		5680.4	52.35	-38.48	90.83	39.59	34.52	10.3	32.06	208	115	P	V
		5715.6	52.83	-56.84	109.67	40.02	34.52	10.33	32.04	208	115	P	V
		5723.2	51.95	-66.25	118.2	39.11	34.53	10.35	32.04	208	115	P	V
		5788	105.71	-	-	92.68	34.6	10.4	31.97	208	115	P	V
		5788	99.7	-	-	86.67	34.6	10.4	31.97	208	115	A	V
		5851.6	52.54	-66.11	118.65	39.23	34.8	10.44	31.93	208	115	P	V
		5872.4	53.86	-52.17	106.03	40.41	34.93	10.47	31.95	208	115	P	V
		5896.8	54.19	-34.94	89.13	40.67	35	10.49	31.97	208	115	P	V
		5984	53.24	-15.06	68.3	39.38	35.33	10.56	32.03	208	115	P	V

WIFI Ant. SISO	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	111.46	-	-	98.25	34.73	10.43	31.95	100	175	P	H
		5824	104.52	-	-	91.31	34.73	10.43	31.95	100	175	A	H
		5850	66.14	-56.16	122.3	52.83	34.8	10.44	31.93	100	175	P	H
		5855.6	62.62	-48.11	110.73	49.22	34.87	10.46	31.93	100	175	P	H
		5886	54.74	-42.39	97.13	41.31	34.93	10.47	31.97	100	175	P	H
		5949.6	54.04	-14.26	68.3	40.32	35.2	10.53	32.01	100	175	P	H
		5824	106.44	-	-	93.23	34.73	10.43	31.95	194	103	P	V
		5824	100.52	-	-	87.31	34.73	10.43	31.95	194	103	A	V
		5852.8	59.4	-56.52	115.92	46.09	34.8	10.44	31.93	194	103	P	V
		5856.4	57.16	-53.35	110.51	43.76	34.87	10.46	31.93	194	103	P	V
		5909.2	54.53	-25.43	79.96	40.94	35.07	10.51	31.99	194	103	P	V
		5977.6	53.76	-14.54	68.3	39.9	35.33	10.56	32.03	194	103	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. SISO	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		11488	55.31	-18.69	74	63.42	38.29	14.91	61.31	291	308	P	H
		11488	45.12	-8.88	54	53.23	38.29	14.91	61.31	291	308	A	H
		17230	54.49	-13.81	68.3	56.46	41.05	18.36	61.38	300	0	P	H
		11488	51.39	-22.61	74	59.5	38.29	14.91	61.31	282	303	P	V
		11488	43.24	-10.76	54	51.35	38.29	14.91	61.31	282	303	A	V
		17230	54.41	-13.89	68.3	56.38	41.05	18.36	61.38	100	0	P	V
802.11a CH 157 5785MHz		11565	54.04	-19.96	74	62.03	38.35	14.96	61.3	283	305	P	H
		11565	44.05	-9.95	54	52.04	38.35	14.96	61.3	283	305	A	H
		17351	51.25	-17.05	68.3	53.1	41.03	18.44	61.32	300	0	P	H
		11565	48.97	-25.03	74	56.96	38.35	14.96	61.3	100	0	P	V
		17362	51.45	-16.85	68.3	53.3	41.03	18.44	61.32	100	0	P	V
802.11a CH 165 5825MHz		11653	54.44	-19.56	74	62.25	38.46	15.03	61.3	309	333	P	H
		11653	43.95	-10.05	54	51.76	38.46	15.03	61.3	309	333	A	H
		17483	51.17	-17.13	68.3	52.9	41	18.52	61.25	300	0	P	H
		11653	54.43	-19.57	74	62.24	38.46	15.03	61.3	289	311	P	V
		11653	43.97	-10.03	54	51.78	38.46	15.03	61.3	289	311	A	V
		17472	52.74	-15.56	68.3	54.48	41.01	18.51	61.26	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI Ant. SISO	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 VHT20 CH 149 5745MHz		5625.2	53.9	-14.4	68.3	41.14	34.58	10.26	32.08	114	180	P	H
		5698.8	55.94	-48.48	104.42	43.18	34.5	10.32	32.06	114	180	P	H
		5720	65.14	-45.76	110.9	52.3	34.53	10.35	32.04	114	180	P	H
		5724.8	68.08	-53.76	121.84	55.24	34.53	10.35	32.04	114	180	P	H
		5746	109.97	-	-	97.07	34.55	10.36	32.01	114	180	P	H
		5746	103.47	-	-	90.57	34.55	10.36	32.01	114	180	A	H
		5650	52.09	-16.21	68.3	39.36	34.54	10.29	32.1	178	114	P	V
		5674.4	52.48	-33.92	86.4	39.74	34.52	10.3	32.08	178	114	P	V
		5718.4	60.49	-49.96	110.45	47.65	34.53	10.35	32.04	178	114	P	V
		5724.4	64.69	-56.24	120.93	51.85	34.53	10.35	32.04	178	114	P	V
		5746	105.48	-	-	92.58	34.55	10.36	32.01	178	114	P	V
		5746	99.02	-	-	86.12	34.55	10.36	32.01	178	114	A	V

WIFI Ant. SISO	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 VHT20 CH 157 5785MHz		5644	53.45	-14.85	68.3	40.71	34.56	10.28	32.1	101	177	P	H
		5696	53.08	-49.27	102.35	40.32	34.5	10.32	32.06	101	177	P	H
		5717.6	54.24	-55.99	110.23	41.4	34.53	10.35	32.04	101	177	P	H
		5720.4	54.07	-57.74	111.81	41.23	34.53	10.35	32.04	101	177	P	H
		5788	110.2	-	-	97.17	34.6	10.4	31.97	101	177	P	H
		5788	103.57	-	-	90.54	34.6	10.4	31.97	101	177	A	H
		5852.8	54.05	-61.87	115.92	40.74	34.8	10.44	31.93	101	177	P	H
		5857.2	56.11	-54.17	110.28	42.71	34.87	10.46	31.93	101	177	P	H
		5877.6	54.36	-49.01	103.37	40.91	34.93	10.47	31.95	101	177	P	H
		5978	53.39	-14.91	68.3	39.53	35.33	10.56	32.03	101	177	P	H
		5629.2	51.93	-16.37	68.3	39.19	34.58	10.26	32.1	124	192	P	V
		5668.4	52.21	-29.74	81.95	39.47	34.52	10.3	32.08	124	192	P	V
		5700.8	53.61	-51.91	105.52	40.82	34.52	10.33	32.06	124	192	P	V
		5722.8	52.45	-64.83	117.28	39.61	34.53	10.35	32.04	124	192	P	V
		5788	103.97	-	-	90.94	34.6	10.4	31.97	124	192	P	V
		5788	97.48	-	-	84.45	34.6	10.4	31.97	124	192	A	V
		5852	51.89	-65.85	117.74	38.58	34.8	10.44	31.93	124	192	P	V
		5865.2	52.59	-55.45	108.04	39.21	34.87	10.46	31.95	124	192	P	V
		5886.8	54.24	-42.3	96.54	40.81	34.93	10.47	31.97	124	192	P	V
		5953.6	54.01	-14.29	68.3	40.29	35.2	10.53	32.01	124	192	P	V

WIFI Ant. SISO	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 VHT20 CH 165 5825MHz		5824	109.87	-	-	96.66	34.73	10.43	31.95	100	177	P	H
		5824	103.67	-	-	90.46	34.73	10.43	31.95	100	177	A	H
		5850	67.61	-54.69	122.3	54.3	34.8	10.44	31.93	100	177	P	H
		5856.8	62.61	-47.79	110.4	49.21	34.87	10.46	31.93	100	177	P	H
		5904.4	54.91	-28.6	83.51	41.39	35	10.49	31.97	100	177	P	H
		5928	55.27	-13.03	68.3	41.61	35.13	10.52	31.99	100	177	P	H
		5824	105.67	-	-	92.46	34.73	10.43	31.95	365	87	P	V
		5824	99.25	-	-	86.04	34.73	10.43	31.95	365	87	A	V
		5850	59.96	-62.34	122.3	46.65	34.8	10.44	31.93	365	87	P	V
		5858.8	55.73	-54.1	109.83	42.35	34.87	10.46	31.95	365	87	P	V
		5910	54.24	-25.13	79.37	40.65	35.07	10.51	31.99	365	87	P	V
		5930.8	53.7	-14.6	68.3	40.04	35.13	10.52	31.99	365	87	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

WIFI Ant. SISO	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 VHT20 CH 149 5745MHz		11488	54.86	-19.14	74	62.97	38.29	14.91	61.31	289	299	P	H
		11488	44.1	-9.9	54	52.21	38.29	14.91	61.31	289	299	A	H
		17241	52.4	-15.9	68.3	54.37	41.05	18.36	61.38	300	0	P	H
		11488	49.37	-24.63	74	57.48	38.29	14.91	61.31	100	0	P	V
		17230	52.07	-16.23	68.3	54.04	41.05	18.36	61.38	100	0	P	V
802.11ac VHT20 CH 157 5785MHz		11565	53.87	-20.13	74	61.86	38.35	14.96	61.3	285	298	P	H
		11565	43.71	-10.29	54	51.7	38.35	14.96	61.3	285	298	A	H
		17340	50.92	-17.38	68.3	52.79	41.03	18.43	61.33	300	0	P	H
		11565	53.03	-20.97	74	61.02	38.35	14.96	61.3	294	87	P	V
		11565	43.15	-10.85	54	51.14	38.35	14.96	61.3	294	87	A	V
		17351	52.43	-15.87	68.3	54.28	41.03	18.44	61.32	100	0	P	V
802.11ac VHT20 CH 165 5825MHz		11642	54.42	-19.58	74	62.26	38.44	15.02	61.3	284	310	P	H
		11642	43.67	-10.33	54	51.51	38.44	15.02	61.3	284	310	A	H
		17472	51.96	-16.34	68.3	53.7	41.01	18.51	61.26	300	0	P	H
		11653	51.86	-22.14	74	59.67	38.46	15.03	61.3	329	268	P	V
		11653	43.45	-10.55	54	51.26	38.46	15.03	61.3	329	268	A	V
		17472	52.59	-15.71	68.3	54.33	41.01	18.51	61.26	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. SISO	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 VHT40 CH 151 5755MHz		5633.6	53.61	-14.69	68.3	40.87	34.56	10.28	32.1	103	178	P	H
		5699.6	60.49	-44.52	105.01	47.73	34.5	10.32	32.06	103	178	P	H
		5718.4	66.56	-43.89	110.45	53.72	34.53	10.35	32.04	103	178	P	H
		5722.8	68.18	-49.1	117.28	55.34	34.53	10.35	32.04	103	178	P	H
		5752	107.6	-	-	94.67	34.57	10.37	32.01	103	178	P	H
		5752	100.12	-	-	87.19	34.57	10.37	32.01	103	178	A	H
		5850.8	53.46	-67.02	120.48	40.15	34.8	10.44	31.93	103	178	P	H
		5862	54.26	-54.68	108.94	40.88	34.87	10.46	31.95	103	178	P	H
		5879.6	54.5	-47.38	101.88	41.05	34.93	10.47	31.95	103	178	P	H
		5944.4	53.03	-15.27	68.3	39.31	35.2	10.53	32.01	103	178	P	H
		5621.2	51.61	-16.69	68.3	38.85	34.58	10.26	32.08	101	193	P	V
		5695.2	54.45	-47.31	101.76	41.69	34.5	10.32	32.06	101	193	P	V
		5720	59.82	-51.08	110.9	46.98	34.53	10.35	32.04	101	193	P	V
		5722.4	61.54	-54.83	116.37	48.7	34.53	10.35	32.04	101	193	P	V
		5752	100.49	-	-	87.56	34.57	10.37	32.01	101	193	P	V
		5752	94.47	-	-	81.54	34.57	10.37	32.01	101	193	A	V
		5854.4	52.6	-59.67	112.27	39.2	34.87	10.46	31.93	101	193	P	V
		5855.2	52.6	-58.24	110.84	39.2	34.87	10.46	31.93	101	193	P	V
		5910.8	52.68	-26.1	78.78	39.09	35.07	10.51	31.99	101	193	P	V
		5982.8	53.87	-14.43	68.3	40.01	35.33	10.56	32.03	101	193	P	V

WIFI Ant. SISO	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 VHT40 CH 159 5795MHz		5648	53.18	-15.12	68.3	40.44	34.56	10.28	32.1	100	177	P	H
		5692.4	54.59	-45.11	99.7	41.83	34.5	10.32	32.06	100	177	P	H
		5710	54.45	-53.65	108.1	41.64	34.52	10.33	32.04	100	177	P	H
		5723.6	55.42	-63.69	119.11	42.58	34.53	10.35	32.04	100	177	P	H
		5794	106.68	-	-	93.65	34.6	10.4	31.97	100	177	P	H
		5794	100.02	-	-	86.99	34.6	10.4	31.97	100	177	A	H
		5851.2	58.62	-60.94	119.56	45.31	34.8	10.44	31.93	100	177	P	H
		5866	55.68	-52.14	107.82	42.3	34.87	10.46	31.95	100	177	P	H
		5884.4	54.51	-43.81	98.32	41.08	34.93	10.47	31.97	100	177	P	H
		5973.2	55.02	-13.28	68.3	41.16	35.33	10.56	32.03	100	177	P	H
		5624	51.91	-16.39	68.3	39.15	34.58	10.26	32.08	122	193	P	V
		5676.8	52.62	-35.55	88.17	39.88	34.52	10.3	32.08	122	193	P	V
		5709.2	52.4	-55.48	107.88	39.59	34.52	10.33	32.04	122	193	P	V
		5723.2	52.42	-65.78	118.2	39.58	34.53	10.35	32.04	122	193	P	V
		5794	101.15	-	-	88.12	34.6	10.4	31.97	122	193	P	V
		5794	93.77	-	-	80.74	34.6	10.4	31.97	122	193	A	V
		5854	54.35	-58.83	113.18	40.95	34.87	10.46	31.93	122	193	P	V
		5855.2	54.35	-56.49	110.84	40.95	34.87	10.46	31.93	122	193	P	V
		5922.4	54.27	-15.95	70.22	40.61	35.13	10.52	31.99	122	193	P	V
		5994.8	53.83	-14.47	68.3	39.9	35.4	10.58	32.05	122	193	P	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

UNII-3 5725~5850MHz

WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI Ant. SISO	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 VHT40 CH 151 5755MHz		11510	49.22	-24.78	74	57.3	38.3	14.92	61.3	300	0	P	H
		11521	47.33	-26.67	74	55.38	38.32	14.93	61.3	100	0	P	V
802.11ac VHT40 CH 159 5795MHz		11587	46.87	-27.13	74	54.8	38.39	14.98	61.3	300	0	P	H
		11587	45.74	-28.26	74	53.67	38.39	14.98	61.3	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

UNII-3 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. SISO	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		5649.2	56.92	-11.38	68.3	44.18	34.56	10.28	32.1	100	178	P	H
		5700	63.8	-41.5	105.3	51.04	34.5	10.32	32.06	100	178	P	H
		5719.2	67.81	-42.87	110.68	54.97	34.53	10.35	32.04	100	178	P	H
		5721.6	67.47	-47.08	114.55	54.63	34.53	10.35	32.04	100	178	P	H
		5770	104.3	-	-	91.32	34.58	10.39	31.99	100	178	P	H
		5770	96.76	-	-	83.78	34.58	10.39	31.99	100	178	A	H
		5851.6	61.56	-57.09	118.65	48.25	34.8	10.44	31.93	100	178	P	H
		5860	62.09	-47.41	109.5	48.71	34.87	10.46	31.95	100	178	P	H
		5879.2	57.01	-45.17	102.18	43.56	34.93	10.47	31.95	100	178	P	H
		5925.6	53.77	-14.53	68.3	40.11	35.13	10.52	31.99	100	178	P	H
		5642.8	52.15	-16.15	68.3	39.41	34.56	10.28	32.1	100	192	P	V
		5699.6	57.69	-47.32	105.01	44.93	34.5	10.32	32.06	100	192	P	V
		5717.2	59.42	-50.7	110.12	46.61	34.52	10.33	32.04	100	192	P	V
		5721.6	60.64	-53.91	114.55	47.8	34.53	10.35	32.04	100	192	P	V
		5782	97.36	-	-	84.36	34.58	10.39	31.97	100	192	P	V
		5782	90.38	-	-	77.38	34.58	10.39	31.97	100	192	A	V
		5851.6	55.43	-63.22	118.65	42.12	34.8	10.44	31.93	100	192	P	V
		5858.8	56.33	-53.5	109.83	42.95	34.87	10.46	31.95	100	192	P	V
		5888	54.07	-41.58	95.65	40.55	35	10.49	31.97	100	192	P	V
		5970	54.12	-14.18	68.3	40.33	35.27	10.55	32.03	100	192	P	V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

UNII-3 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. SISO	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		11554	48.19	-25.81	74	56.18	38.35	14.96	61.3	300	0	P	H
		11554	45.9	-28.1	74	53.89	38.35	14.96	61.3	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI Ant. SISO	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 LF		56.19	25.28	-14.72	40	44.09	12.9	0.79	32.5			P	H
		77.53	23.58	-16.42	40	41.56	13.3	1.06	32.34			P	H
		169.68	23.67	-19.83	43.5	38.4	15.7	1.74	32.17			P	H
		321.97	28.11	-17.89	46	38.22	19.66	2.42	32.19			P	H
		444.19	37	-9	46	43.67	22.96	2.84	32.47			P	H
		750.71	31.28	-14.72	46	31.54	28.2	3.7	32.16			P	H
		42.61	36.58	-3.42	40	50.07	18.33	0.62	32.44	100	0	P	V
		79.47	30.21	-9.79	40	47.94	13.5	1.09	32.32			P	V
		169.68	25.93	-17.57	43.5	40.66	15.7	1.74	32.17			P	V
		294.81	31.42	-14.58	46	41.97	19.3	2.32	32.17			P	V
		330.7	31.32	-14.68	46	41.15	19.91	2.45	32.19			P	V
		708.03	29.18	-16.82	46	30.89	26.94	3.6	32.25			P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Simultaneous transmission

WIFI 802 11ac VHT80 Ch106 Tx+ Bluetooth LE(2Mbps) Tx Ch39

BLE (Band Edge @ 3m)

BLE	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 39 2480MHz		2483.62	54.87	-19.13	74	48.35	32.43	6.73	32.64	126	267	P	H
		2483.5	46.18	-7.82	54	39.66	32.43	6.73	32.64	126	267	A	H
		2480	101.97			95.45	32.43	6.73	32.64	126	267	P	H
		2480	99.62			93.1	32.43	6.73	32.64	126	267	A	H
		2483.56	55.5	-18.5	74	48.98	32.43	6.73	32.64	100	258	P	V
		2483.5	45.37	-8.63	54	38.85	32.43	6.73	32.64	100	258	A	V
		2480	100.11			93.59	32.43	6.73	32.64	100	258	P	V
		2480	97.48			90.96	32.43	6.73	32.64	100	258	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

BLE (Harmonic @ 3m)

BLE	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE CH 39 2480MHz		4965	42.16	-31.84	74	60.02	34.1	9.61	61.57	300	0	P	H
		7440	44.46	-29.54	74	58.68	35.7	11.78	61.7	300	0	P	H
		4965	41.6	-32.4	74	59.46	34.1	9.61	61.57	100	0	P	V
		7440	44.59	-29.41	74	58.81	35.7	11.78	61.7	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. SISO	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		5459.28	62.04	-11.96	74	49.21	34.8	10.02	31.99	108	180	P	H
		5470	61.34	-6.96	68.3	48.49	34.8	10.04	31.99	108	180	P	H
		5458.16	50.76	-3.24	54	37.93	34.8	10.02	31.99	108	180	A	H
	*	5536	101.9			89.06	34.73	10.15	32.04	108	180	P	H
		5536	95.1			82.26	34.73	10.15	32.04	108	180	A	H
		5733.32	53.46	-14.84	68.3	40.59	34.53	10.35	32.01	108	180	P	H
		5459.6	56.07	-17.93	74	43.24	34.8	10.02	31.99	233	93	P	V
		5468.56	56.21	-12.09	68.3	43.36	34.8	10.04	31.99	233	93	P	V
		5458	46.38	-7.62	54	33.55	34.8	10.02	31.99	233	93	A	V
	*	5536	98.98			86.14	34.73	10.15	32.04	233	93	P	V
		5536	91.46			78.62	34.73	10.15	32.04	233	93	A	V
		5754.28	53.89	-14.41	68.3	40.96	34.57	10.37	32.01	233	93	P	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. SISO	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	48.61	-25.39	74	57.61	38.04	14.61	61.65	300	0	P	H
		11059	46.14	-27.86	74	55.14	38.04	14.61	61.65	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	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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

Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
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 “PAS

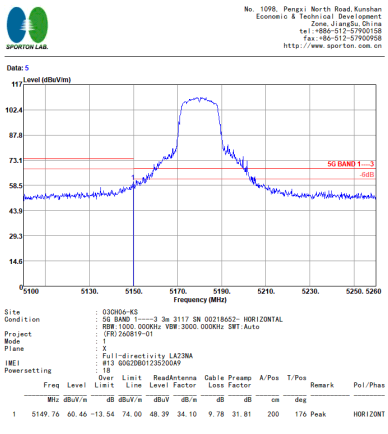
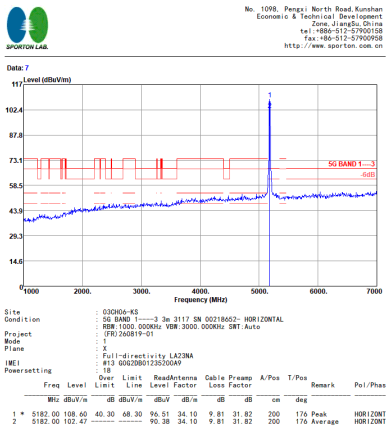
Appendix D. Radiated Spurious Emission Plots

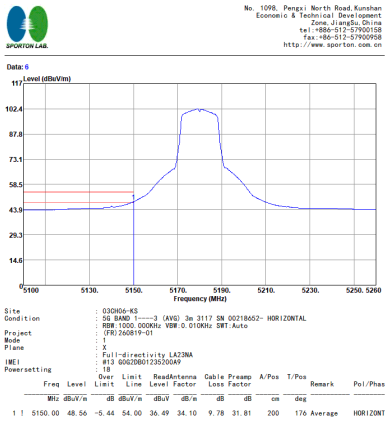
Note symbol

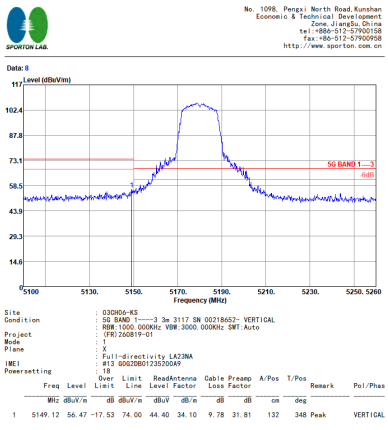
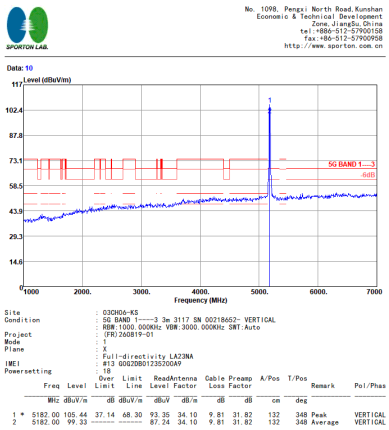
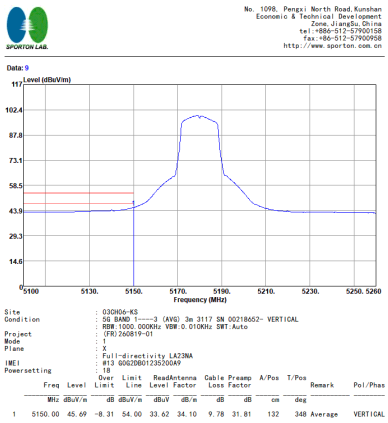
-L	**Low channel location**
-R	**High channel location**

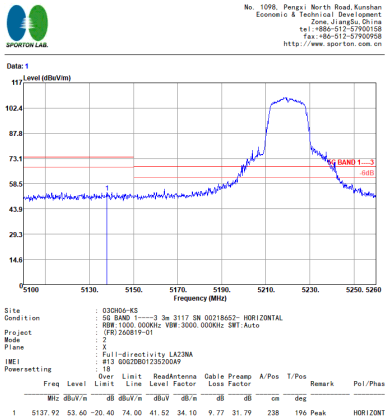
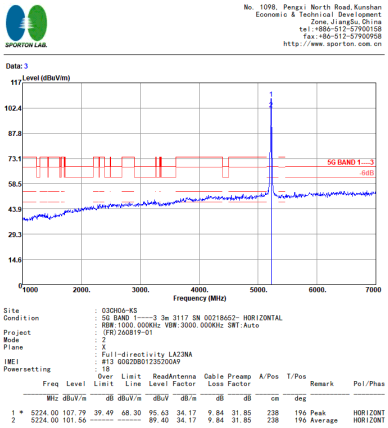
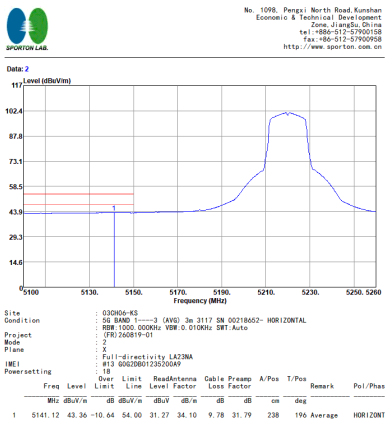
UNII-1 - 5150~5250MHz

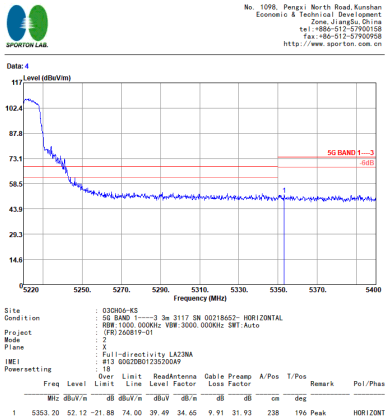
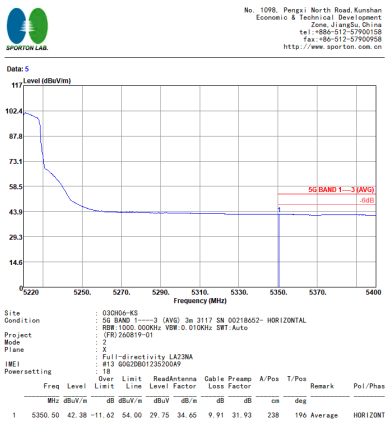
WIFI 802.11a (Band Edge @ 3m)

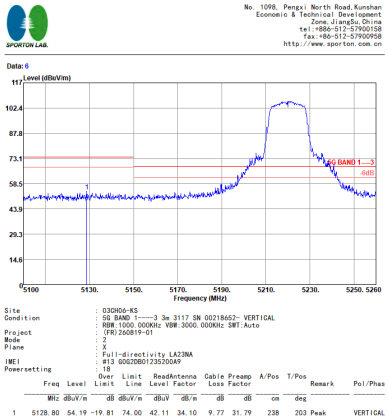
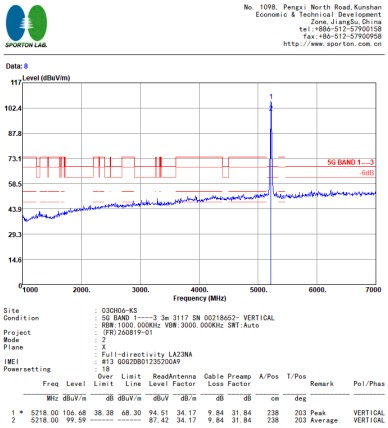
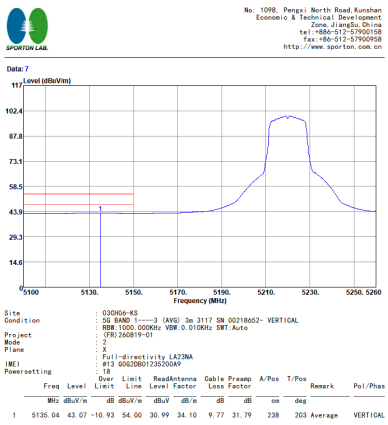
WIFI	**UNII-1 5150~5250MHz Band Edge @ 3m**	
ANT	**802.11a CH36 5180MHz**	
SISO	**Horizontal**	**Fundamental**
Peak		

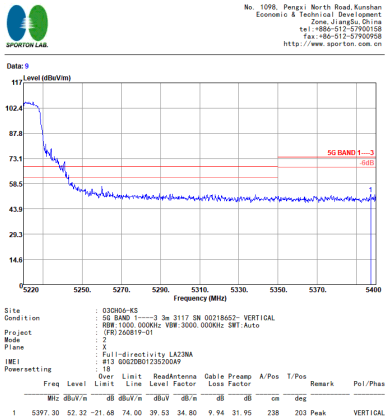
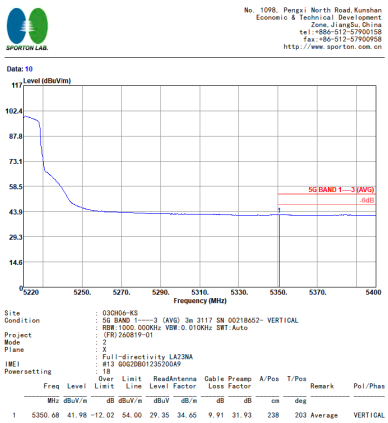
Avg.		Left blank

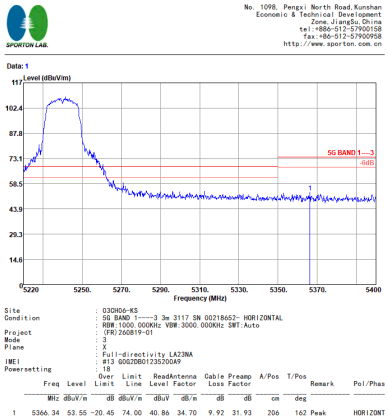
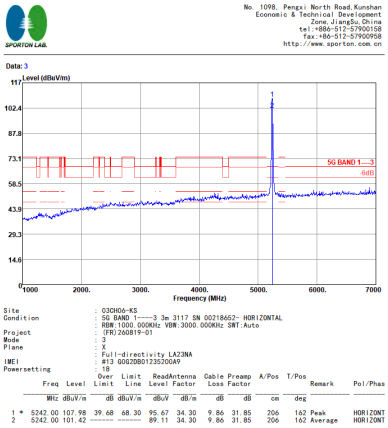
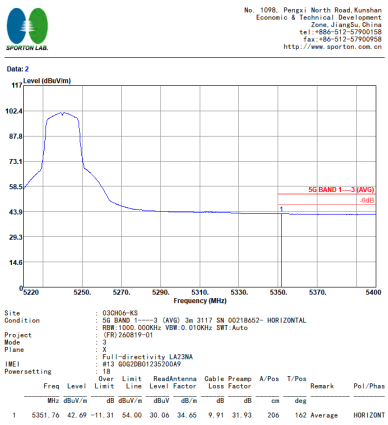
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

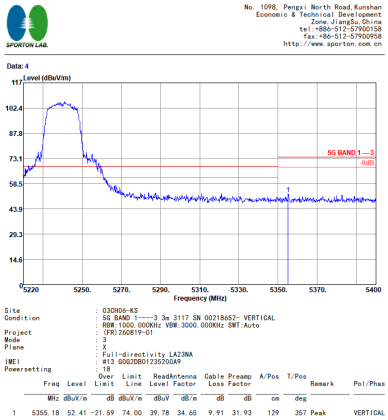
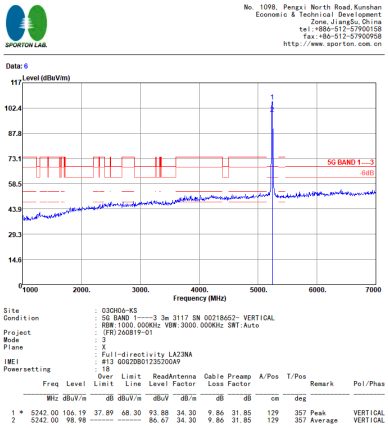
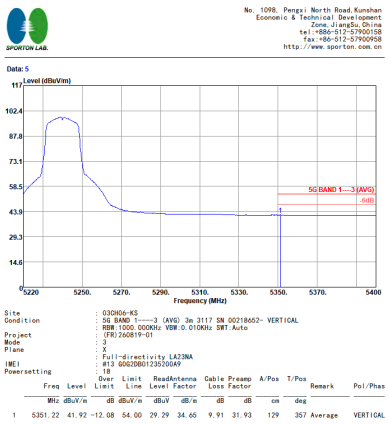
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
SISO	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

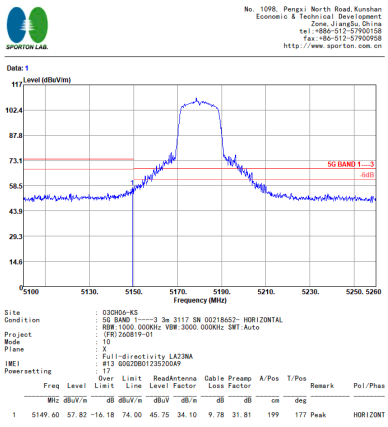
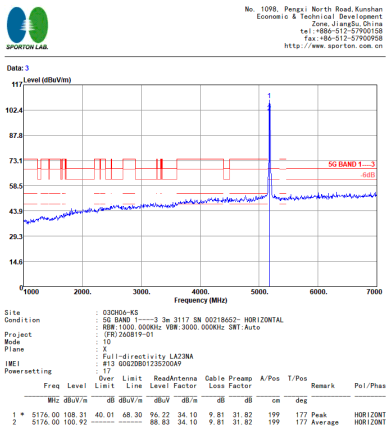
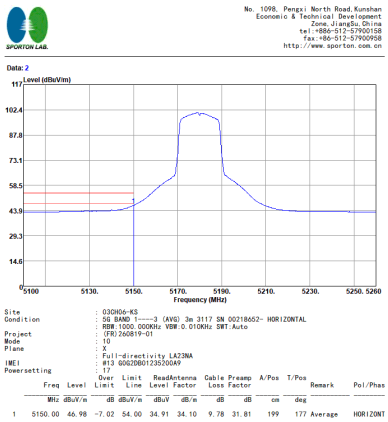
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

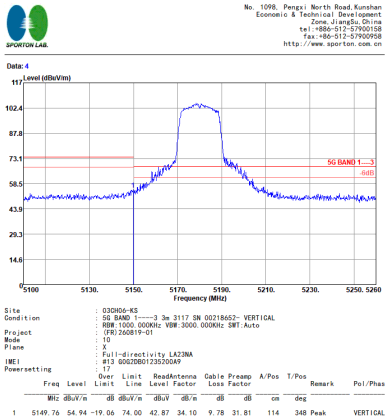
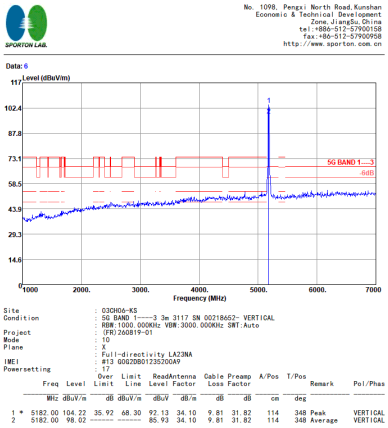
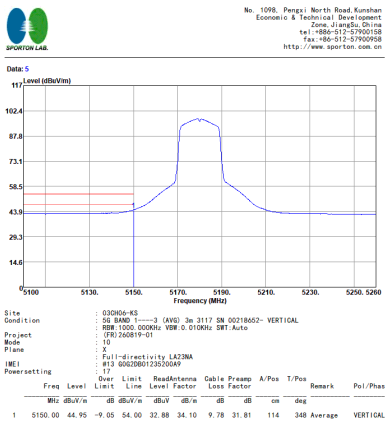
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
SISO	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

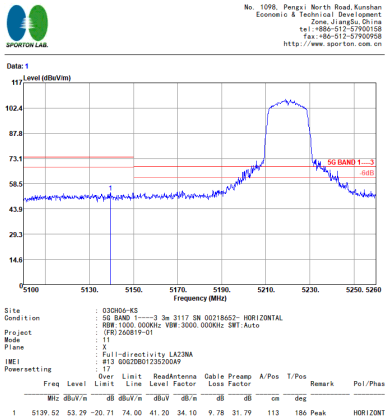
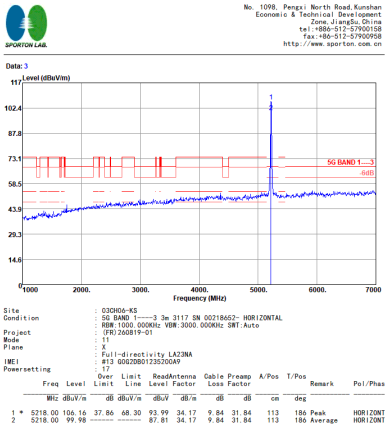
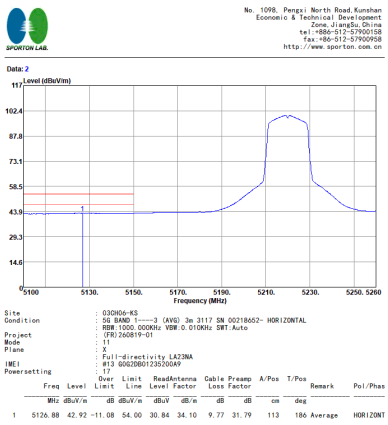
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

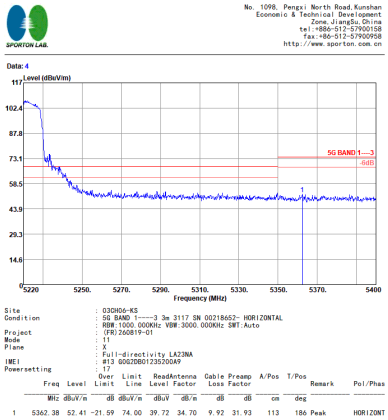
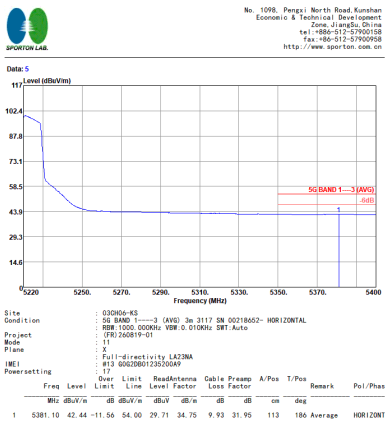
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

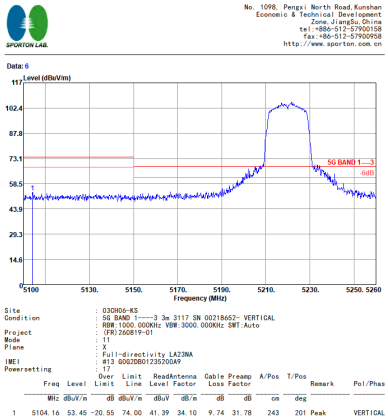
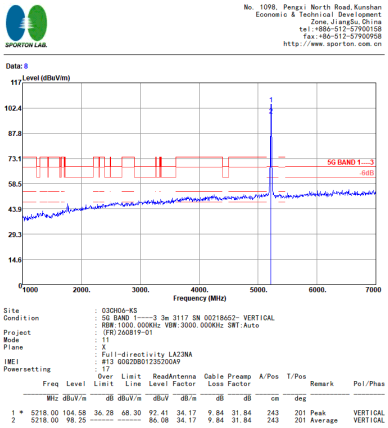
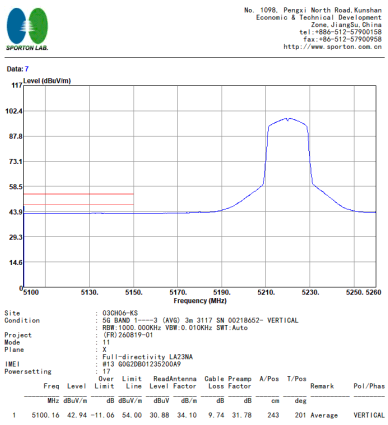
UNII-1 5150~5250MHz
WIFI 802.11ac VHT20 (Band Edge @ 3m)

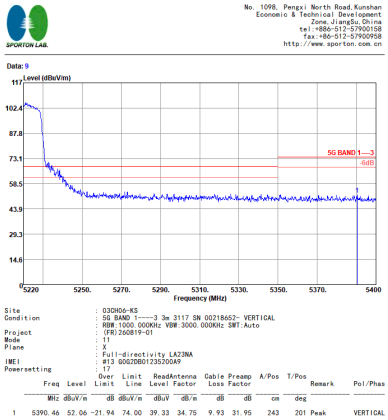
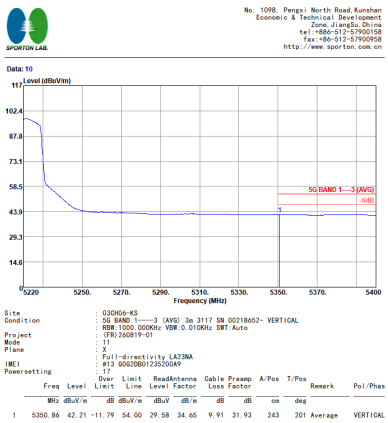
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

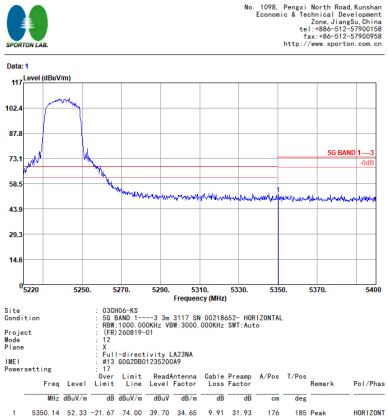
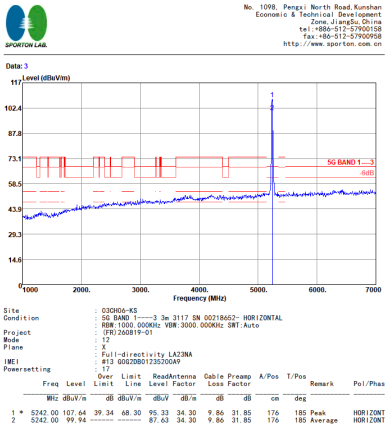
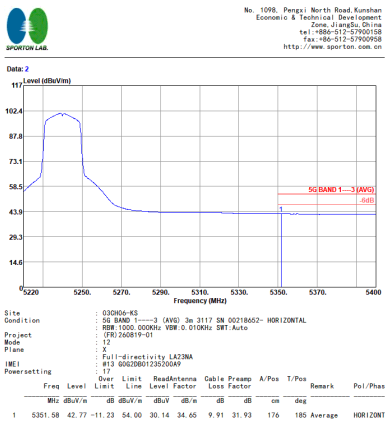
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

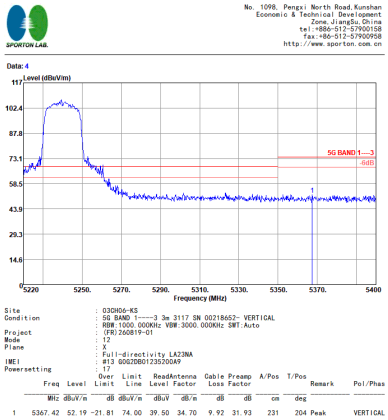
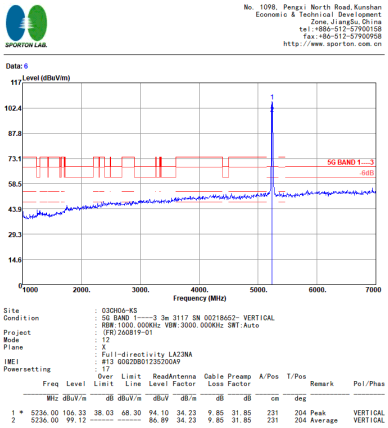
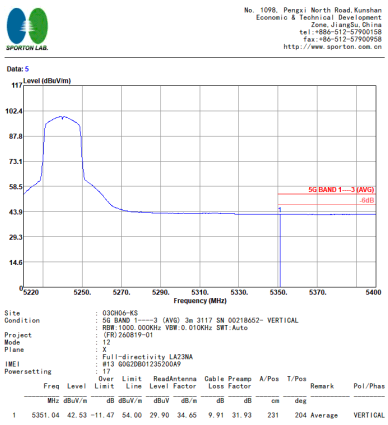
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
SISO	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

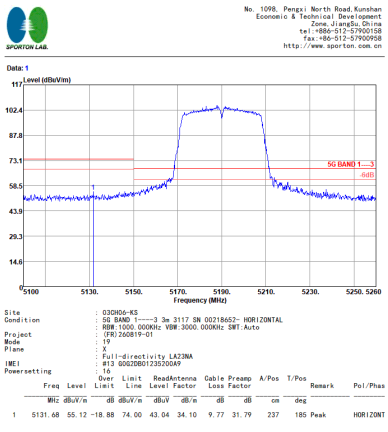
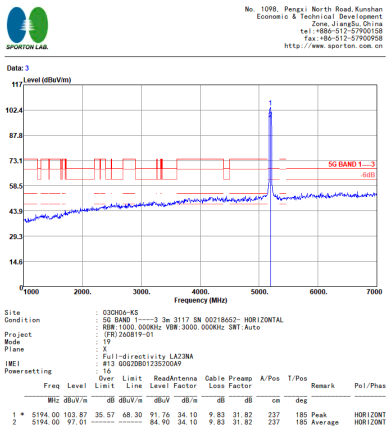
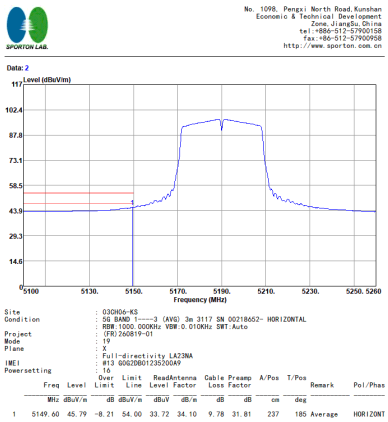
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - L	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

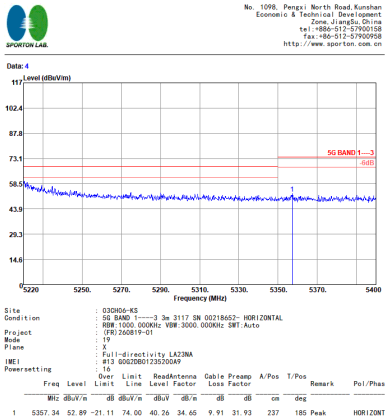
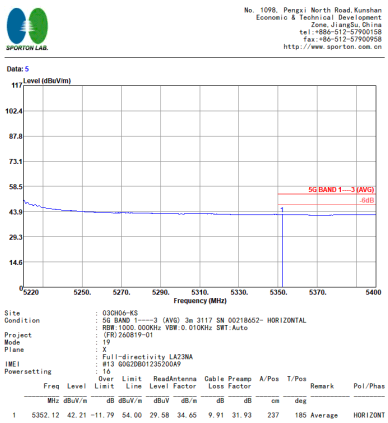
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz - R	
SISO	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

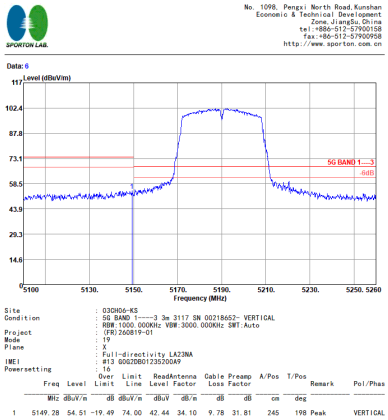
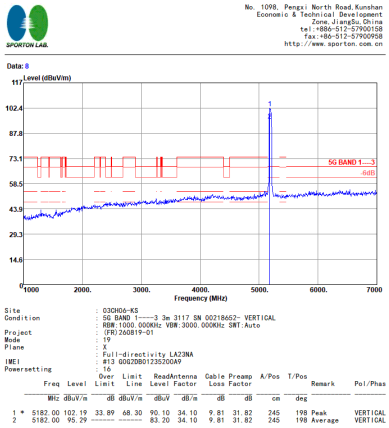
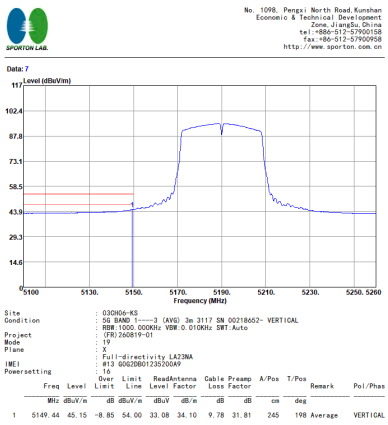
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

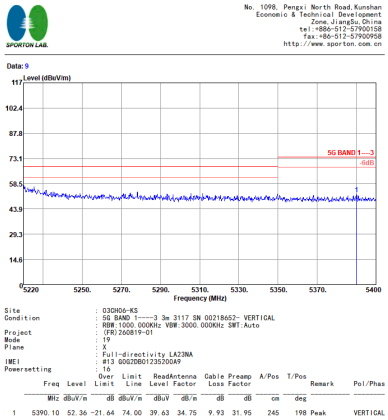
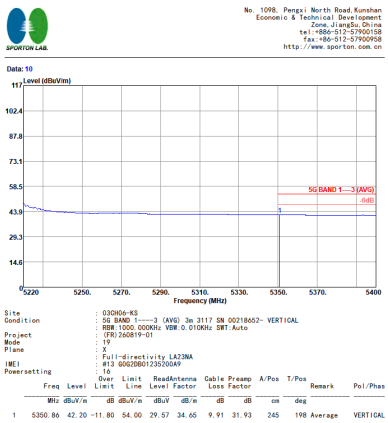
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz - R	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

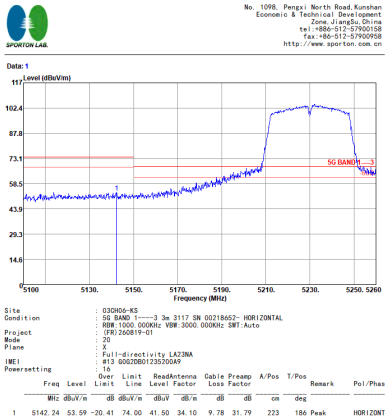
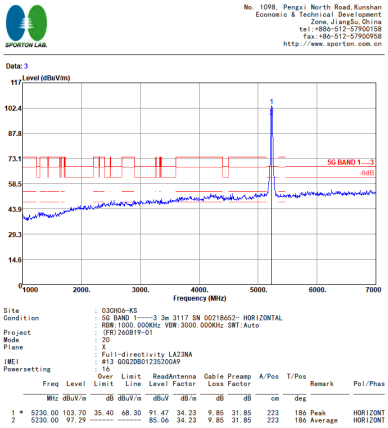
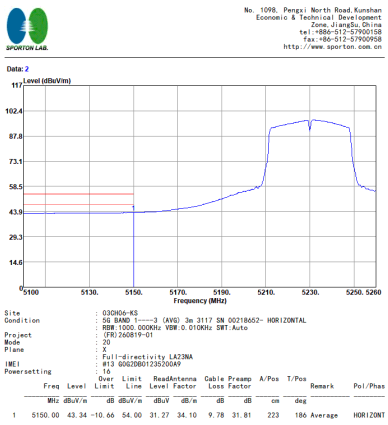
UNII-1 5150~5250MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

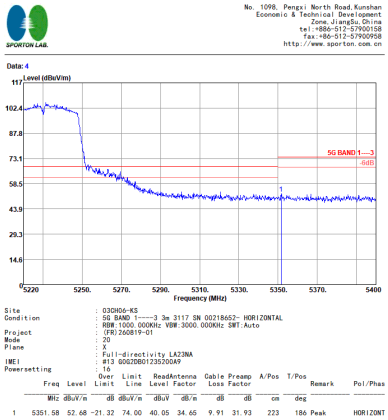
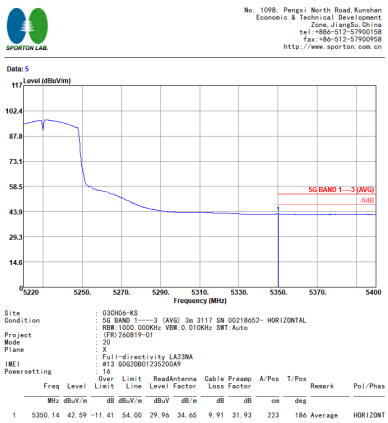
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

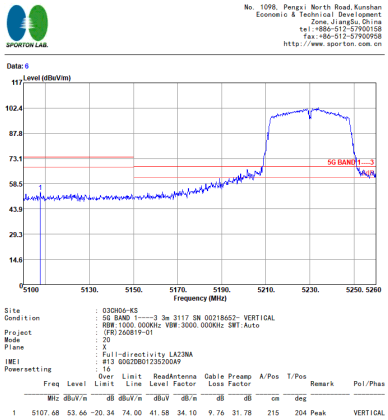
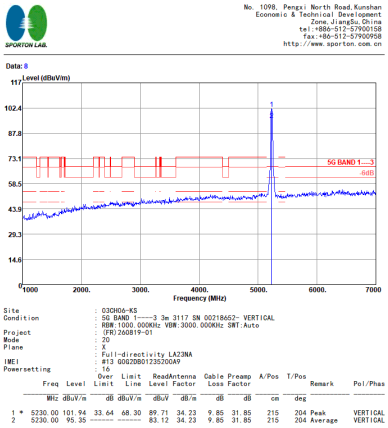
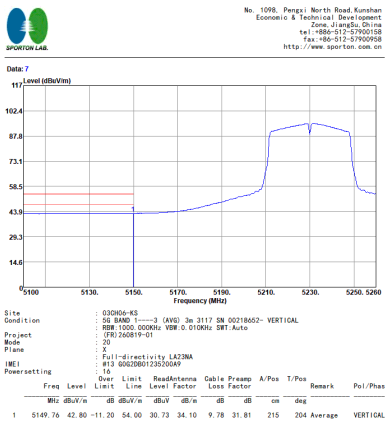
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
SISO	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

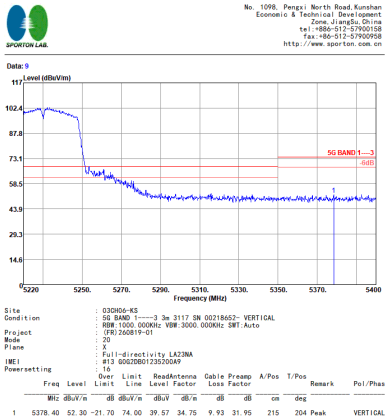
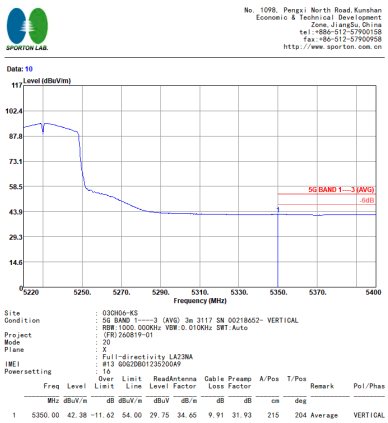
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - L	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz - R	
SISO	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

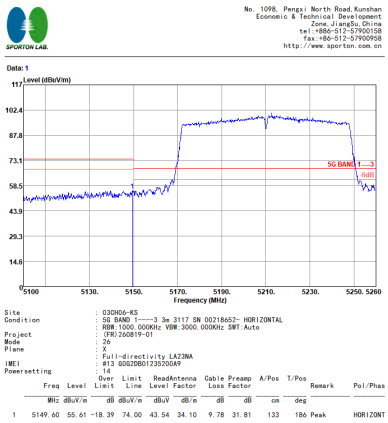
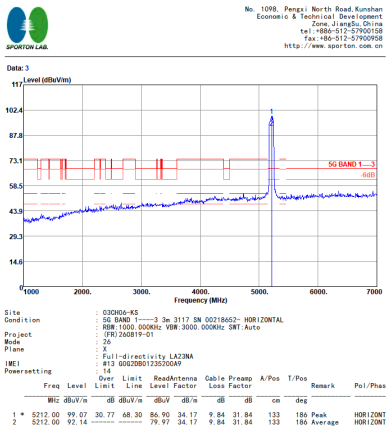
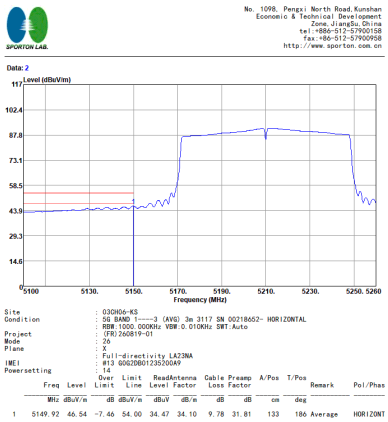
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

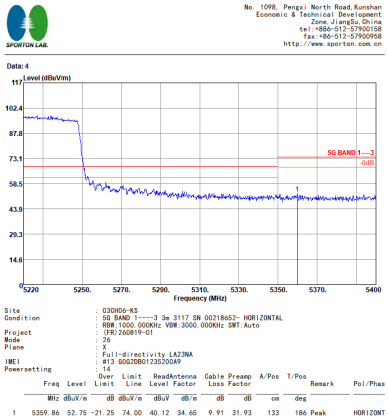
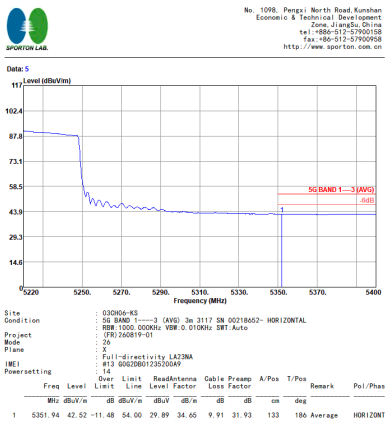
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
SISO	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

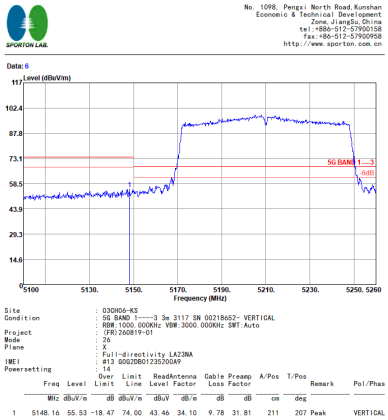
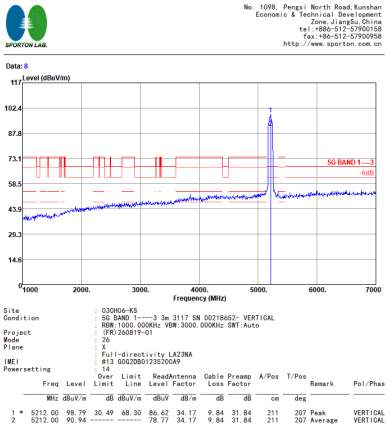
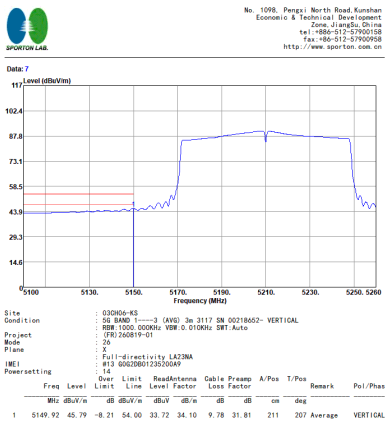
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - L	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

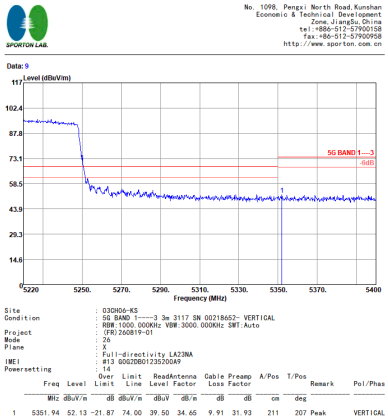
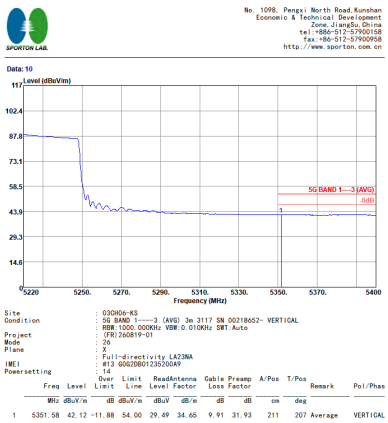
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz - R	
SISO	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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

WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

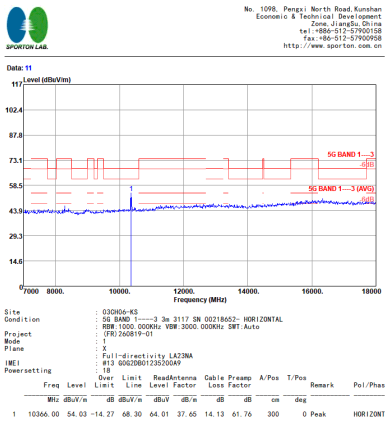
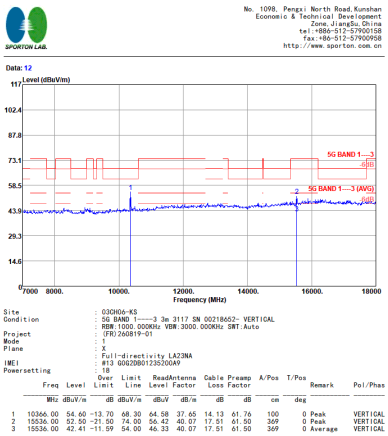
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
SISO	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

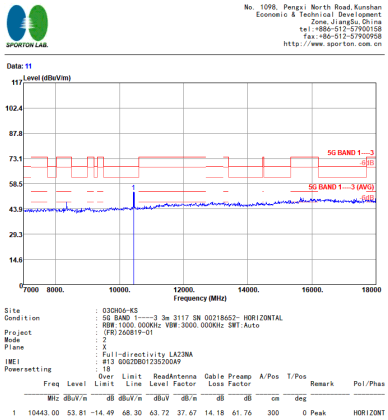
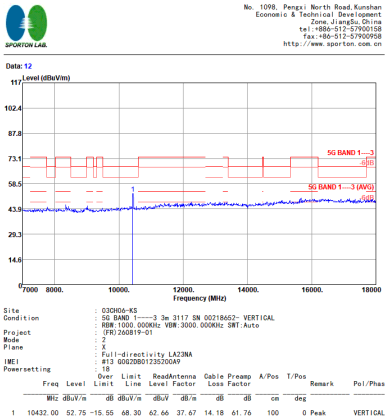
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

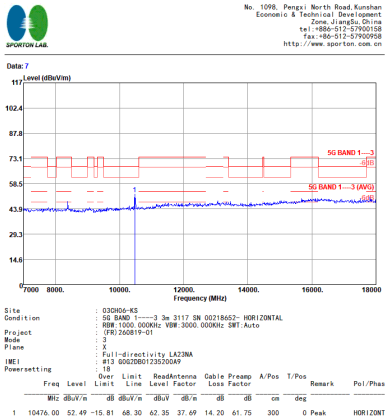
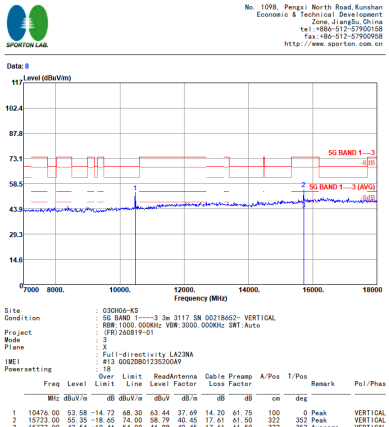
WIFI	UNII-1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
SISO	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

UNII-1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

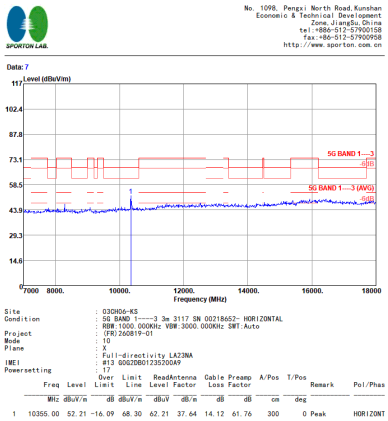
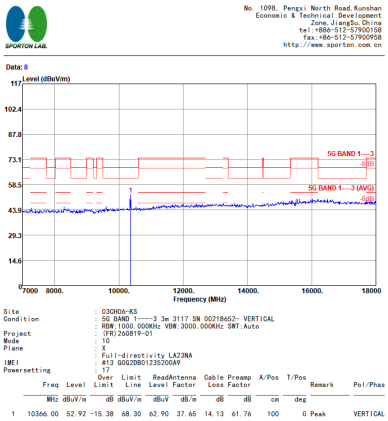
WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
SISO	Horizontal	Vertical
Peak Avg.	 No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+86-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn Data: 11 Level (dBuV/m) 5G BAND 1---3 5G BAND 1---3 (AVG) Frequency (MHz) Site : 03CH06-KS Condition : 5G BAND 1----3 3m 3117 SN 00218652- HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)260819-01 Mode : 1 Plane : X : Full-directivity LA23NA IMEI : #13 G062DB01235200A9 Powersetting : 18 Freq Level Over Limit Limit Limit ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 10366.00 54.03 -14.27 68.30 64.01 37.65 14.13 61.76 300 0 Peak HORIZONT	 No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+86-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn Data: 12 Level (dBuV/m) 5G BAND 1---3 5G BAND 1---3 (AVG) Frequency (MHz) Site : 03CH06-KS Condition : 5G BAND 1----3 3m 3117 SN 00218652- VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)260819-01 Mode : 1 Plane : X : Full-directivity LA23NA IMEI : #13 G062DB01235200A9 Powersetting : 18 Freq Level Over Limit Limit Limit ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 10366.00 54.60 -13.70 68.30 64.58 37.65 14.13 61.76 100 0 Peak VERTICAL 2 15536.00 52.50 -21.50 74.00 56.42 40.07 17.51 61.50 369 0 Peak VERTICAL 3 15536.00 42.41 -11.59 54.00 46.33 40.07 17.51 61.50 369 0 Average VERTICAL

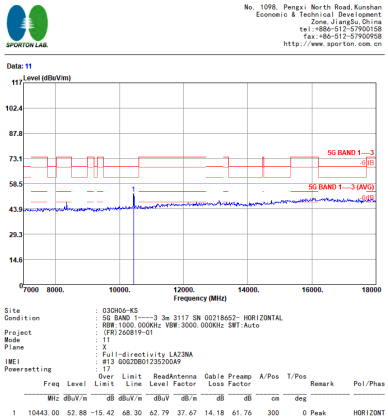
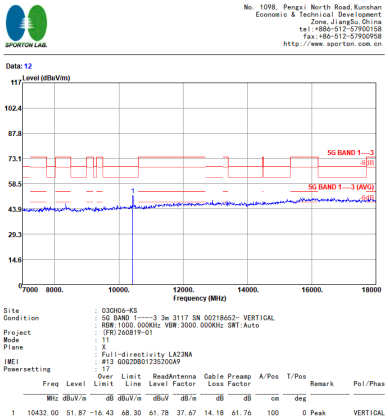
WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
SISO	Horizontal	Vertical
Peak Avg.		

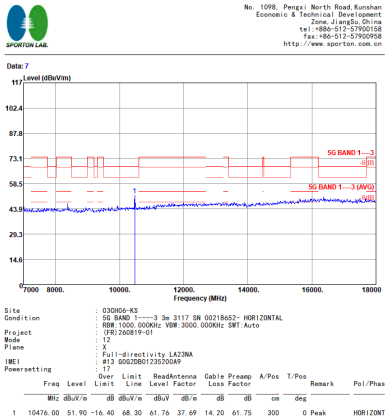
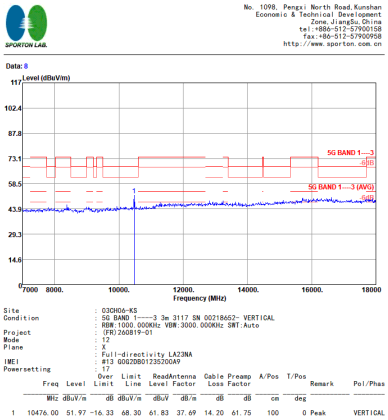
WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
SISO	Horizontal	Vertical
Peak Avg.	 Data: 7 Site : 03CH06-KS Condition : 5G BAND 1---3 3m 3117 SN:00218652- HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)260819-01 Mode : 3 Plane : X : Full-directivity LA23NA IMEI : #13 G062DB01235200A9 Powersetting : 18 Freq Level Over Limit Limit ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dBuV dB/m dB dB cm deg 1 10476.00 52.49 -15.81 68.30 62.35 37.69 14.20 61.75 300 0 Peak HORIZONT	 Data: 8 Site : 03CH06-KS Condition : 5G BAND 1---3 3m 3117 SN:00218652- VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)260819-01 Mode : 3 Plane : X : Full-directivity LA23NA IMEI : #13 G062DB01235200A9 Powersetting : 18 Freq Level Over Limit Limit ReadAntenna Level Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dBuV dB/m dB dB cm deg 1 10476.00 53.58 -14.72 68.30 63.44 37.69 14.20 61.75 100 0 Peak VERTICAL 2 15723.00 55.35 -18.65 74.00 58.79 40.45 17.61 61.50 322 352 Peak VERTICAL 3 15723.00 43.54 -10.46 54.00 46.98 40.45 17.61 61.50 322 352 Average VERTICAL

UNII-1 5150~5250MHz

WIFI 802.11ac VHT20 (Harmonic @ 3m)

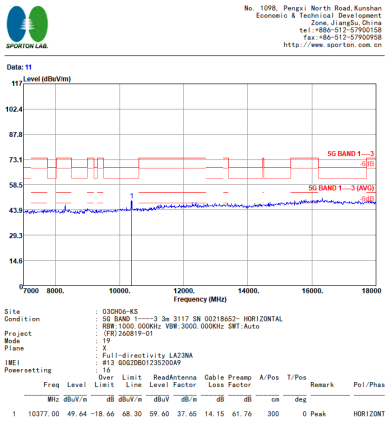
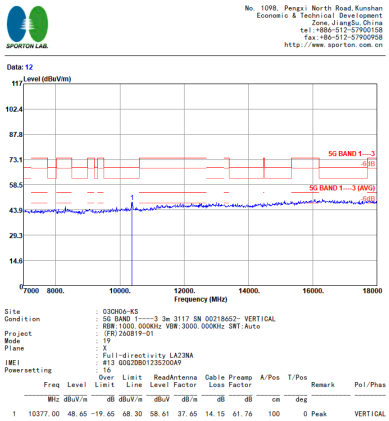
WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH36 5180MHz	
SISO	Horizontal	Vertical
Peak Avg.		

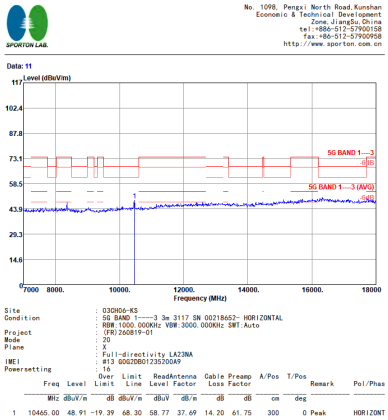
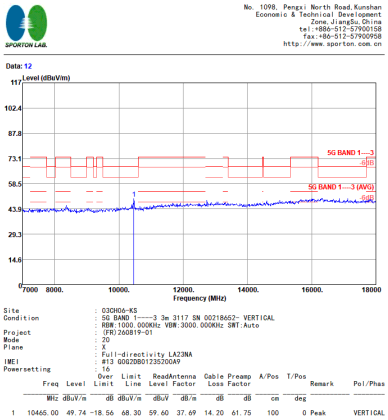
WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH44 5220MHz	
SISO	Horizontal	Vertical
Peak Avg.		

WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT20 CH48 5240MHz	
SISO	Horizontal	Vertical
Peak Avg.	 	

UNII-1 5150~5250MHz

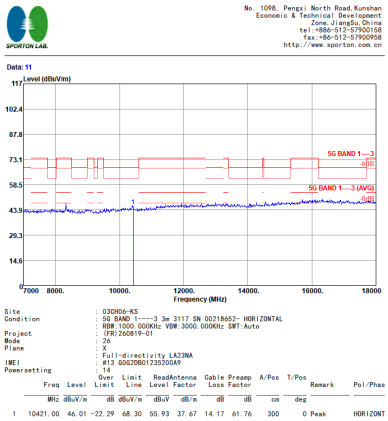
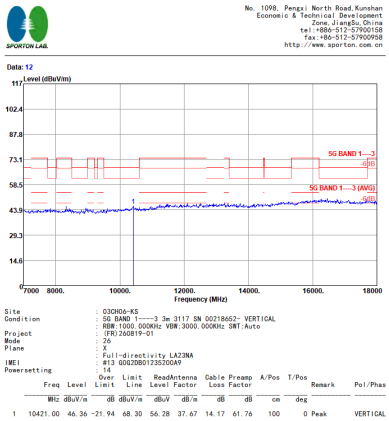
WIFI 802.11ac VHT40 (Harmonic @ 3m)

WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH38 5190MHz	
SISO	Horizontal	Vertical
Peak Avg.	 	

WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT40 CH46 5230MHz	
SISO	Horizontal	Vertical
Peak Avg.		

UNII-1 5150~5250MHz

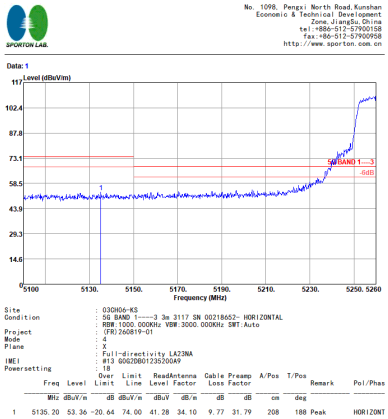
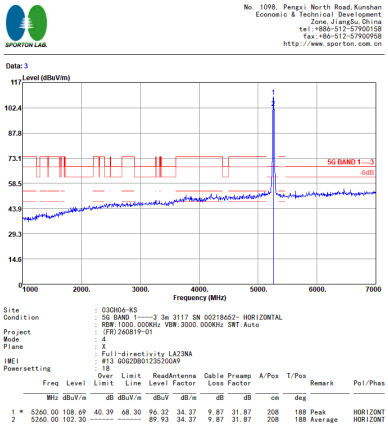
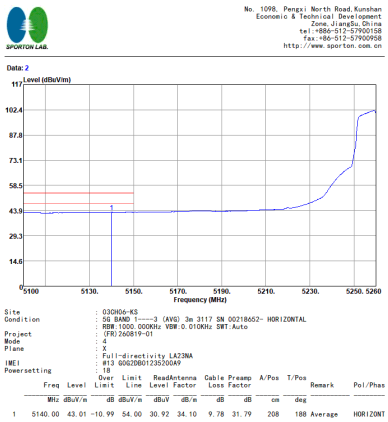
WIFI 802.11ac VHT80 (Harmonic @ 3m)

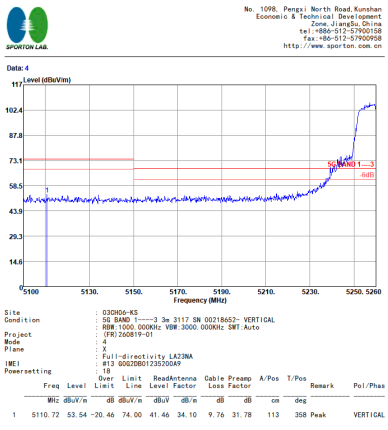
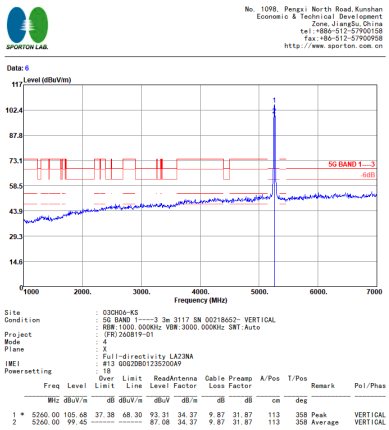
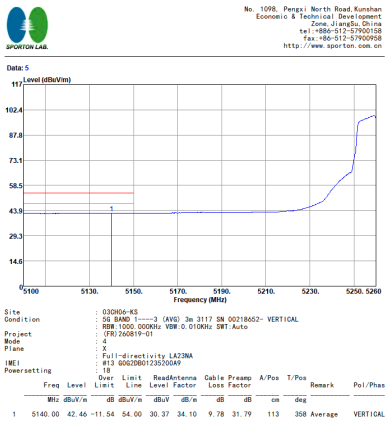
WIFI	UNII-1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
SISO	Horizontal	Vertical
Peak Avg.		

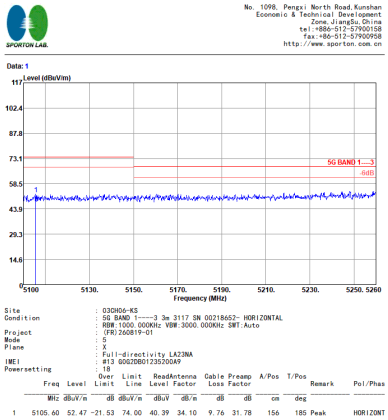
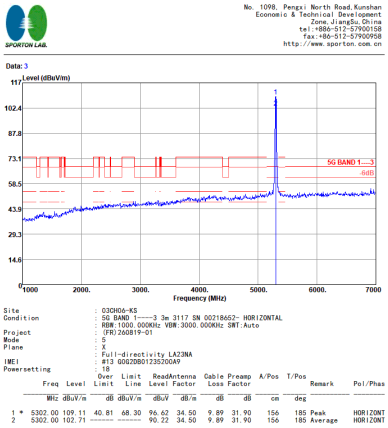
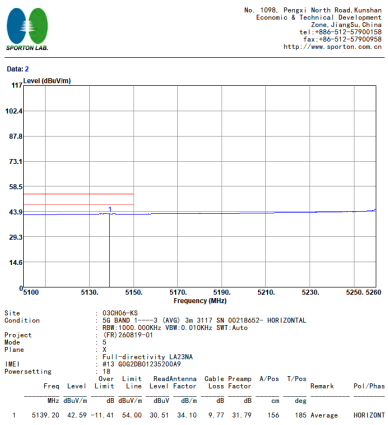
Note: Pre-scanned for 18GHz to 26GHz, there are no signals, thus only test data below 18GHz are shown in the report.

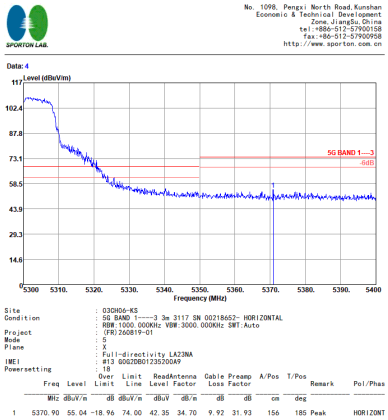
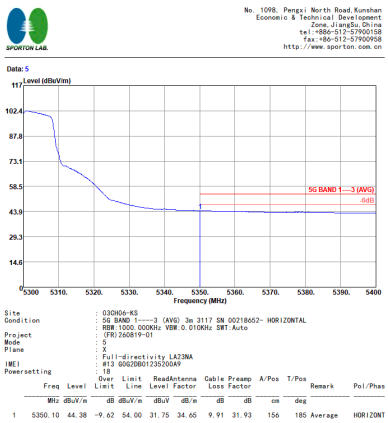
UNII-2A - 5250~5350MHz

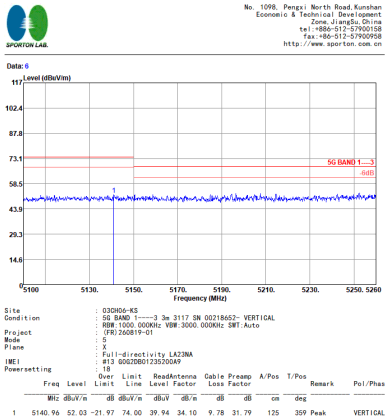
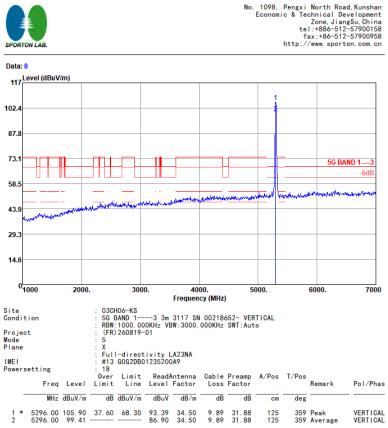
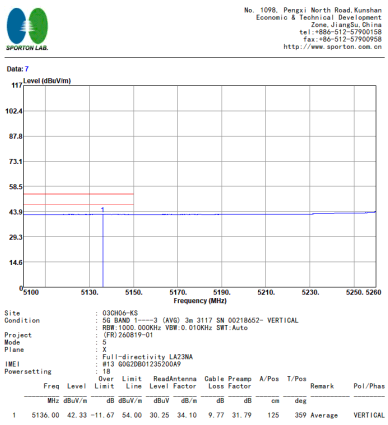
WIFI 802.11a (Band Edge @ 3m)

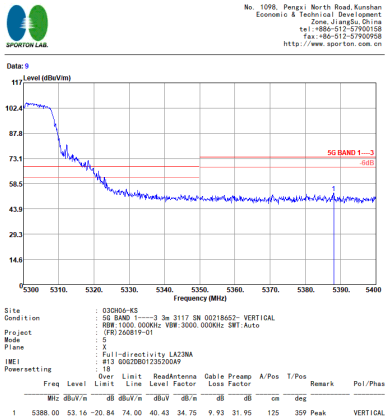
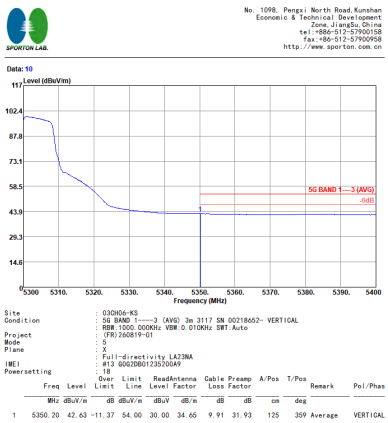
WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

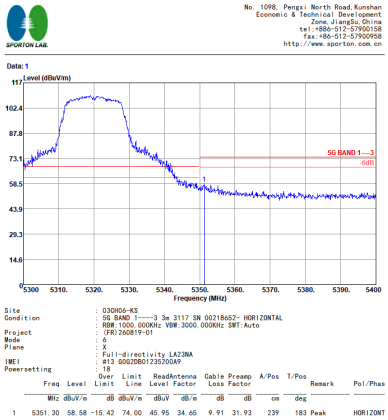
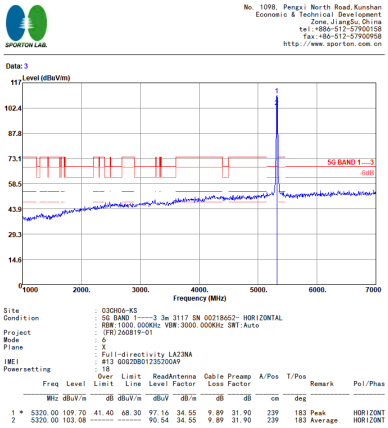
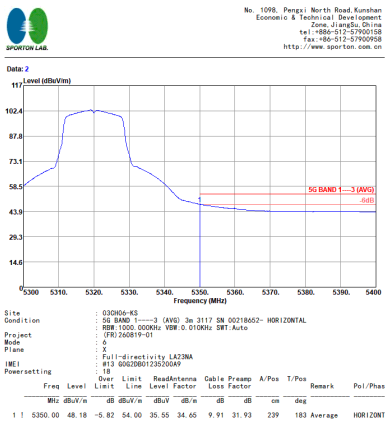
WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

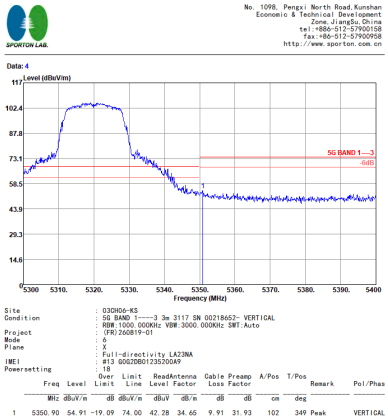
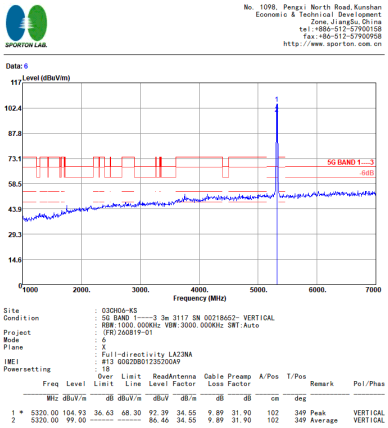
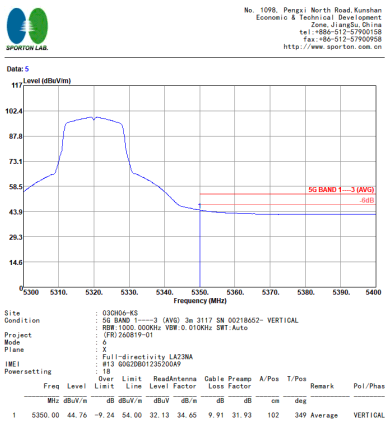
WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
SISO	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

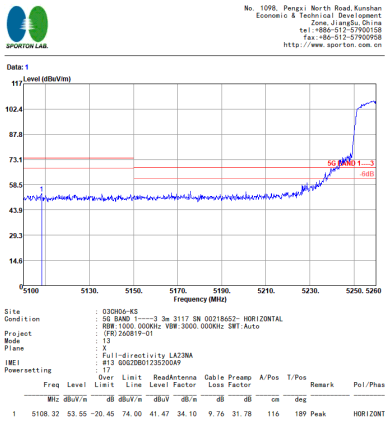
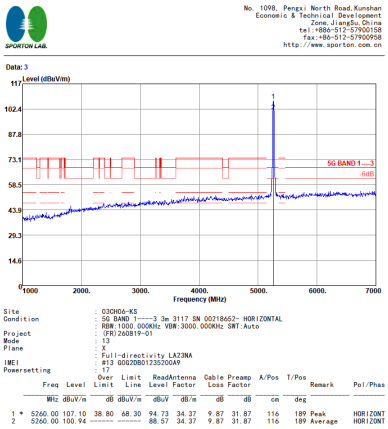
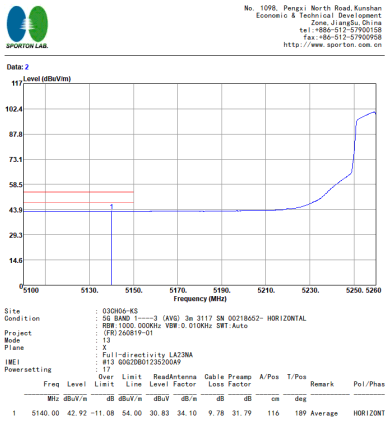
WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
SISO	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

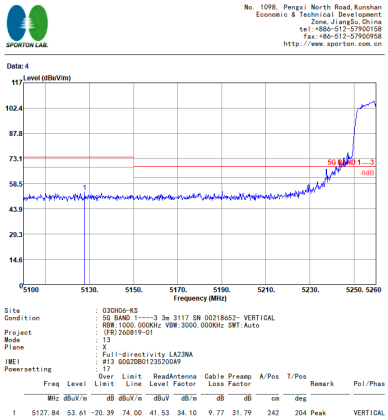
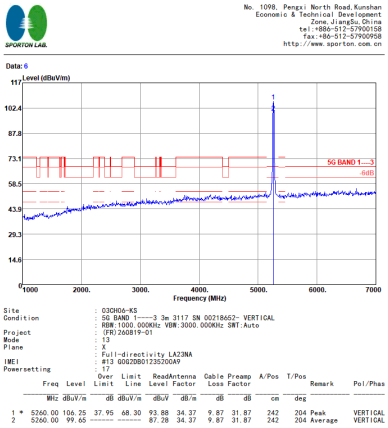
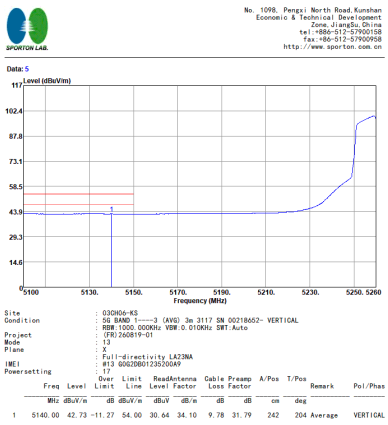
WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

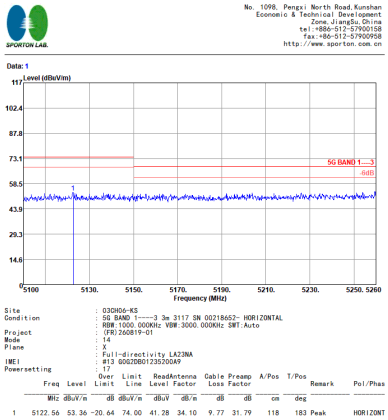
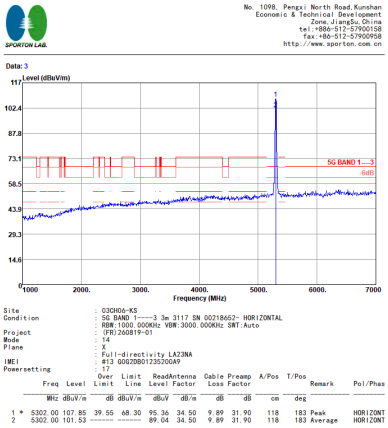
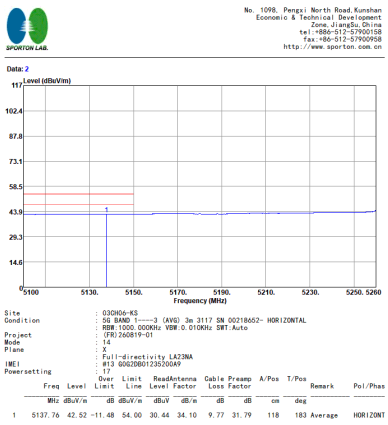
WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

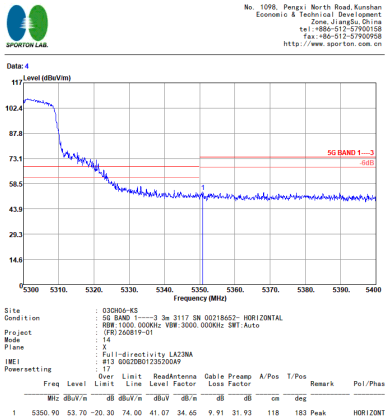
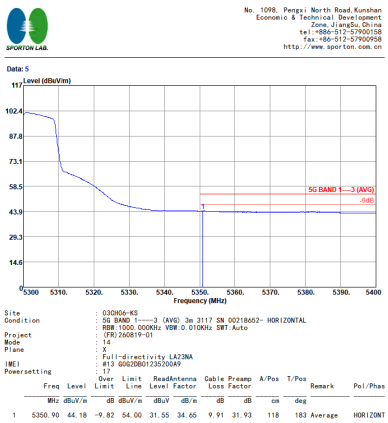
UNII-2A 5250~5350MHz

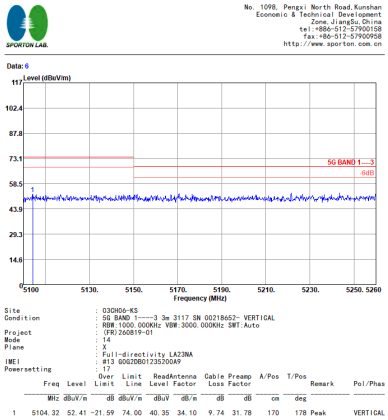
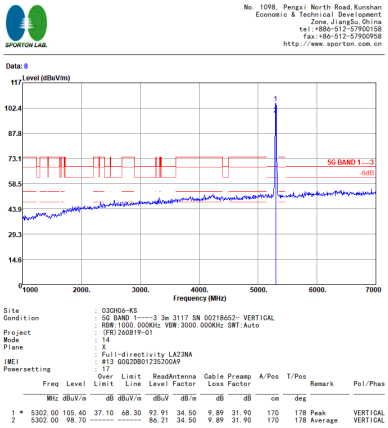
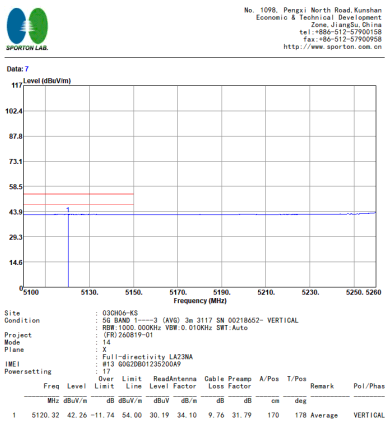
WIFI 802.11ac VHT20 (Band Edge @ 3m)

WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH52 5260MHz	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
SISO	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - R	
SISO	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	UNII-2A 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT20 CH60 5300MHz - L	
SISO	Vertical	Fundamental
Peak		
Avg.		Left blank