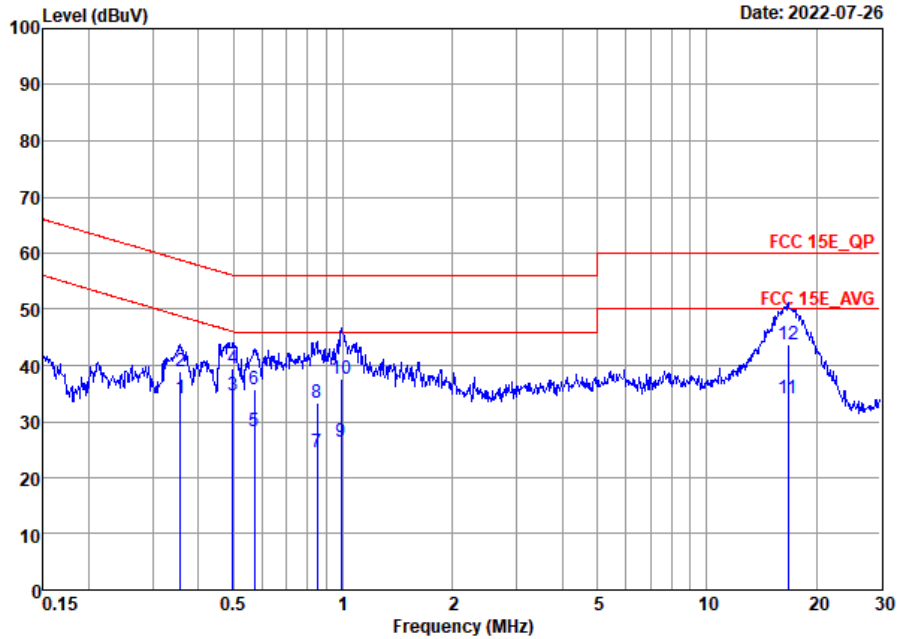




## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Lily	Temperature :	22~25°C
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

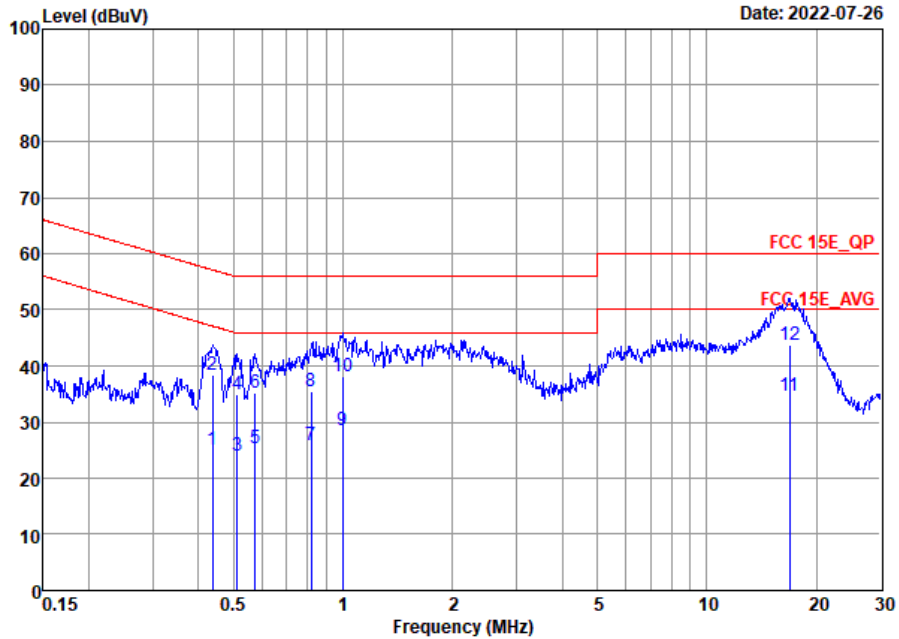


Site : CO01-SZ  
 Condition: FCC 15E\_QP LISN\_20210901\_L LINE

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.36	34.02	-14.76	48.78	12.70	10.08	11.24	Average
2	0.36	38.82	-19.96	58.78	17.50	10.08	11.24	QP
3 *	0.50	34.56	-11.49	46.05	12.60	10.12	11.84	Average
4	0.50	39.46	-16.59	56.05	17.50	10.12	11.84	QP
5	0.57	28.16	-17.84	46.00	6.49	10.11	11.56	Average
6	0.57	35.76	-20.24	56.00	14.09	10.11	11.56	QP
7	0.85	24.44	-21.56	46.00	3.70	10.11	10.63	Average
8	0.85	33.44	-22.56	56.00	12.70	10.11	10.63	QP
9	0.99	26.49	-19.51	46.00	6.10	10.12	10.27	Average
10	0.99	37.59	-18.41	56.00	17.20	10.12	10.27	QP
11	16.75	34.22	-15.78	50.00	14.00	9.87	10.35	Average
12	16.75	43.72	-16.28	60.00	23.50	9.87	10.35	QP



Test Engineer :	Lily	Temperature :	22~25℃
		Relative Humidity :	50~55%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : C001-SZ  
 Condition: FCC 15E\_QP LISN\_20210901\_N NEUTRAL

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.44	25.01	-22.10	47.11	3.20	10.19	11.62	Average
2	0.44	38.31	-18.80	57.11	16.50	10.19	11.62	QP
3	0.51	24.10	-21.90	46.00	2.10	10.20	11.80	Average
4	0.51	34.90	-21.10	56.00	12.90	10.20	11.80	QP
5	0.57	25.36	-20.64	46.00	3.59	10.23	11.54	Average
6	0.57	35.26	-20.74	56.00	13.49	10.23	11.54	QP
7	0.82	25.82	-20.18	46.00	4.90	10.22	10.70	Average
8	0.82	35.42	-20.58	56.00	14.50	10.22	10.70	QP
9	1.00	28.45	-17.55	46.00	8.00	10.22	10.23	Average
10	1.00	38.05	-17.95	56.00	17.60	10.22	10.23	QP
11 *	16.93	34.77	-15.23	50.00	14.60	9.82	10.35	Average
12	16.93	43.67	-16.33	60.00	23.50	9.82	10.35	QP

Note:

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



## Appendix C. Radiated Spurious Emission

### U-NII-1 - 5150~5250MHz

#### WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
23		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a CH 36 5180MHz		5148.46	60.84	-13.16	74	49.22	32	12.15	32.53	100	268	P	H
		5150	50.95	-3.05	54	39.33	32	12.15	32.53	100	268	A	H
		5180	108.88	-	-	97.2	32.06	12.16	32.54	100	268	P	H
		5180	102.44	-	-	90.76	32.06	12.16	32.54	100	268	A	H
		5148.2	61.15	-12.85	74	49.53	32	12.15	32.53	383	255	P	V
		5150	48.95	-5.05	54	37.33	32	12.15	32.53	383	255	A	V
		5180	108.26	-	-	96.58	32.06	12.16	32.54	383	255	P	V
		5180	101.54	-	-	89.86	32.06	12.16	32.54	383	255	A	V
802.11a CH 44 5220MHz		5145.34	50.41	-23.59	74	38.8	31.99	12.15	32.53	100	270	P	H
		5149.76	40.43	-13.57	54	28.81	32	12.15	32.53	100	270	A	H
		5220	110.96	-	-	99.2	32.14	12.17	32.55	100	270	P	H
		5220	103.53	-	-	91.77	32.14	12.17	32.55	100	270	A	H
		5363.52	50.97	-23.03	74	38.9	32.43	12.21	32.57	100	270	P	H
		5354.16	40.02	-13.98	54	27.97	32.41	12.21	32.57	100	270	A	H
		5118.82	50.99	-23.01	74	39.44	31.94	12.14	32.53	377	254	P	V
		5149.76	40.17	-13.83	54	28.55	32	12.15	32.53	377	254	A	V
		5220	109.02	-	-	97.26	32.14	12.17	32.55	377	254	P	V
		5220	101.73	-	-	89.97	32.14	12.17	32.55	377	254	A	V
		5405.04	50.2	-s23.8	74	38.05	32.51	12.22	32.58	377	254	P	V
		5350.08	39.98	-14.02	54	27.94	32.4	12.21	32.57	377	254	A	V



<b>802.11a CH 48 5240MHz</b>		5101.14	50.11	-23.89	74	38.59	31.9	12.14	32.52	100	268	P	H
		5150	39.83	-14.17	54	28.21	32	12.15	32.53	100	268	A	H
		5240	110.54	-	-	98.73	32.18	12.18	32.55	100	268	P	H
		5240	104.34	-	-	92.53	32.18	12.18	32.55	100	268	A	H
		5395.92	50.27	-23.73	74	38.14	32.49	12.22	32.58	100	268	P	H
		5352.24	40.68	-13.32	54	28.64	32.4	12.21	32.57	100	268	A	H
		5101.66	50.45	-23.55	74	38.93	31.9	12.14	32.52	374	255	P	V
		5149.76	39.62	-14.38	54	28	32	12.15	32.53	374	255	A	V
		5240	110.15	-	-	98.34	32.18	12.18	32.55	374	255	P	V
		5240	103.94	-	-	92.13	32.18	12.18	32.55	374	255	A	V
		5357.28	50.58	-23.42	74	38.53	32.41	12.21	32.57	374	255	P	V
		5351.76	40.22	-13.78	54	28.18	32.4	12.21	32.57	374	255	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





**U-NII-1 5150~5250MHz  
WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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		6906.49	58.54	-9.76	68.3	61.1	35.64	13.84	52.04	100	114	P	H
		10360	50.74	-17.56	68.3	47.47	39.01	15.31	51.05	-	-	P	H
		15540	49.07	-24.93	74	45.36	38.61	17.76	52.66	-	-	P	H
		6906.49	57.81	-10.49	68.3	60.37	35.64	13.84	52.04	326	79	P	V
		10360	49.33	-18.97	68.3	46.06	39.01	15.31	51.05	-	-	P	V
		15540	50.91	-23.09	74	47.2	38.61	17.76	52.66	-	-	P	V
802.11a CH 44 5220MHz		6959.82	59.87	-8.43	68.3	62.23	35.79	13.93	52.08	100	113	P	H
		10440	50.2	-18.1	68.3	46.8	39.15	15.32	51.07	-	-	P	H
		15660	50.01	-23.99	74	46.71	38.35	17.83	52.88	-	-	P	H
		6959.82	58.66	-9.64	68.3	61.02	35.79	13.93	52.08	325	75	P	V
		10440	49.04	-19.26	68.3	45.64	39.15	15.32	51.07	-	-	P	V
		15660	49.76	-24.24	74	46.46	38.35	17.83	52.88	-	-	P	V
802.11a CH 48 5240MHz		6986.49	60.05	-8.25	68.3	62.31	35.86	13.97	52.09	100	117	P	H
		10480	49.76	-18.54	68.3	46.31	39.22	15.32	51.09	-	-	P	H
		15720	49.76	-24.24	74	46.67	38.22	17.87	53	-	-	P	H
		6986.49	58.82	-9.48	68.3	61.08	35.86	13.97	52.09	321	81	P	V
		10480	49.95	-18.35	68.3	46.5	39.22	15.32	51.09	-	-	P	V
		15720	49.56	-24.44	74	46.47	38.22	17.87	53	-	-	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include data for 802.11n HT20 CH 36 (5180MHz) and 802.11n HT20 CH 44 (5220MHz).



802.11n HT20 CH 48 5240MHz		5110.76	50.22	-23.78	74	38.68	31.92	12.14	32.52	100	270	P	H
		5150	40.69	-13.31	54	29.07	32	12.15	32.53	100	270	A	H
		5240	108.69	-	-	96.88	32.18	12.18	32.55	100	270	P	H
		5240	102.34	-	-	90.53	32.18	12.18	32.55	100	270	A	H
		5355.36	50.57	-23.43	74	38.52	32.41	12.21	32.57	100	270	P	H
		5354.16	41.47	-12.53	54	29.42	32.41	12.21	32.57	100	270	A	H
		5127.92	50.49	-23.51	74	38.91	31.96	12.15	32.53	374	254	P	V
		5147.68	40.5	-13.5	54	28.88	32	12.15	32.53	374	254	A	V
		5240	108.71	-	-	96.9	32.18	12.18	32.55	374	254	P	V
		5240	102.38	-	-	90.57	32.18	12.18	32.55	374	254	A	V
		5369.52	50.82	-23.18	74	38.74	32.44	12.21	32.57	374	254	P	V
		5355.6	41.27	-12.73	54	29.22	32.41	12.21	32.57	374	254	A	V
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol>												



**U-NII-1 5150~5250MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		6906.49	57.28	-11.02	68.3	59.84	35.64	13.84	52.04	100	113	P	H
		10360	50.57	-17.73	68.3	47.3	39.01	15.31	51.05	-	-	P	H
		15540	50.25	-23.75	74	46.54	38.61	17.76	52.66	-	-	P	H
		6906.49	56.87	-11.43	68.3	59.43	35.64	13.84	52.04	325	72	P	V
		10360	50.33	-17.97	68.3	47.06	39.01	15.31	51.05	-	-	P	V
802.11n HT20 CH 44 5220MHz		6959.82	57.52	-10.78	68.3	59.88	35.79	13.93	52.08	100	116	P	H
		10440	50.73	-17.57	68.3	47.33	39.15	15.32	51.07	-	-	P	H
		15660	50.28	-23.72	74	46.98	38.35	17.83	52.88	-	-	P	H
		6959.82	56.86	-11.44	68.3	59.22	35.79	13.93	52.08	324	76	P	V
		10440	50.37	-17.93	68.3	46.97	39.15	15.32	51.07	-	-	P	V
802.11n HT20 CH 48 5240MHz		6986.49	57.65	-10.65	68.3	59.91	35.86	13.97	52.09	100	119	P	H
		10480	50.02	-18.28	68.3	46.57	39.22	15.32	51.09	-	-	P	H
		15720	49.74	-24.26	74	46.65	38.22	17.87	53	-	-	P	H
		6986.49	56.95	-11.35	68.3	59.21	35.86	13.97	52.09	328	74	P	V
		10480	49.97	-18.33	68.3	46.52	39.22	15.32	51.09	-	-	P	V
		15720	48.64	-25.36	74	45.55	38.22	17.87	53	-	-	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**U-NII-1 5150~5250MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI Ant.	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
23  802.11n HT40 CH 38 5190MHz		5149.46	59.67	-14.33	74	48.05	32	12.15	32.53	100	120	P	H
		5150	51.32	-2.68	54	39.7	32	12.15	32.53	100	120	A	H
		5190	104.19	-	-	92.49	32.08	12.16	32.54	100	120	P	H
		5190	97.1	-	-	85.4	32.08	12.16	32.54	100	120	A	H
		5350.24	51.08	-22.92	74	39.04	32.4	12.21	32.57	100	120	P	H
		5356.12	42.37	-11.63	54	30.32	32.41	12.21	32.57	100	120	A	H
		5149.5	57.77	-16.23	74	46.15	32	12.15	32.53	368	74	P	V
		5150	48.96	-5.04	54	37.34	32	12.15	32.53	368	74	A	V
		5190	101.64	-	-	89.94	32.08	12.16	32.54	368	74	P	V
		5190	94.3	-	-	82.6	32.08	12.16	32.54	368	74	A	V
		5412.4	50.03	-23.97	74	37.86	32.52	12.23	32.58	368	74	P	V
		5361.16	41.59	-12.41	54	29.53	32.42	12.21	32.57	368	74	A	V
802.11n HT40 CH 46 5230MHz		5147.94	54.14	-19.86	74	42.52	32	12.15	32.53	100	119	P	H
		5148.46	46.3	-7.7	54	34.68	32	12.15	32.53	100	119	A	H
		5230	108.31	-	-	96.53	32.16	12.17	32.55	100	119	P	H
		5230	100.95	-	-	89.17	32.16	12.17	32.55	100	119	A	H
		5352.48	54.64	-19.36	74	42.6	32.4	12.21	32.57	100	119	P	H
		5352	45.04	-8.96	54	33	32.4	12.21	32.57	100	119	A	H
		5145.08	51.64	-22.36	74	40.03	31.99	12.15	32.53	383	72	P	V
		5147.42	43	-11	54	31.39	31.99	12.15	32.53	383	72	A	V
		5230	105.88	-	-	94.1	32.16	12.17	32.55	383	72	P	V
		5230	99.22	-	-	87.44	32.16	12.17	32.55	383	72	A	V
	5350.08	52.63	-21.37	74	40.59	32.4	12.21	32.57	383	72	P	V	
	5351.04	43.44	-10.56	54	31.4	32.4	12.21	32.57	383	72	A	V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**U-NII-1 5150~5250MHz  
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		6919.82	58.92	-9.38	68.3	61.43	35.68	13.86	52.05	100	113	P	H
		10380	50.62	-17.68	68.3	47.3	39.05	15.32	51.05	-	-	P	H
		15570	49.97	-24.03	74	46.36	38.55	17.78	52.72	-	-	P	H
		6919.82	58.18	-10.12	68.3	60.69	35.68	13.86	52.05	325	78	P	V
		10380	50.45	-17.85	68.3	47.13	39.05	15.32	51.05	-	-	P	V
		15570	50.02	-23.98	74	46.41	38.55	17.78	52.72	-	-	P	V
802.11n HT40 CH 46 5230MHz		6973.15	59.87	-8.43	68.3	62.18	35.82	13.95	52.08	100	112	P	H
		10460	48.72	-19.58	68.3	45.3	39.18	15.32	51.08	-	-	P	H
		15690	49.84	-24.16	74	46.65	38.28	17.85	52.94	-	-	P	H
		6973.15	58.73	-9.57	68.3	61.04	35.82	13.95	52.08	327	82	P	V
		10460	49.92	-18.38	68.3	46.5	39.18	15.32	51.08	-	-	P	V
		15690	49.88	-24.12	74	46.69	38.28	17.85	52.94	-	-	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include test data for 802.11ac VHT80 CH 42 5210MHz and a Remark section.



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

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include data for 802.11ac VHT80 CH 42 at 5210MHz and a Remark section.





U-NII-2A - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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		5139.88	49.57	-24.43	74	37.97	31.98	12.15	32.53	100	118	P	H
		5150	39.67	-14.33	54	28.05	32	12.15	32.53	100	118	A	H
		5260	112.5	-	-	100.65	32.22	12.18	32.55	100	118	P	H
		5260	105.24	-	-	93.39	32.22	12.18	32.55	100	118	A	H
		5357.76	52.56	-21.44	74	40.5	32.42	12.21	32.57	100	118	P	H
		5350.08	42.9	-11.1	54	30.86	32.4	12.21	32.57	100	118	A	H
		5098.28	49.14	-24.86	74	37.62	31.9	12.14	32.52	379	73	P	V
		5149.5	39.33	-14.67	54	27.71	32	12.15	32.53	379	73	A	V
		5260	109.62	-	-	97.77	32.22	12.18	32.55	379	73	P	V
		5260	102.08	-	-	90.23	32.22	12.18	32.55	379	73	A	V
		5378.16	50.59	-23.41	74	38.49	32.46	12.22	32.58	379	73	P	V
		5354.4	40.64	-13.36	54	28.59	32.41	12.21	32.57	379	73	A	V
802.11a CH 60 5300MHz		5144.55	49.47	-24.53	74	37.86	31.99	12.15	32.53	100	119	P	H
		5150	39.3	-14.7	54	27.68	32	12.15	32.53	100	119	A	H
		5300	112.95	-	-	101.02	32.3	12.19	32.56	100	119	P	H
		5300	106.41	-	-	94.48	32.3	12.19	32.56	100	119	A	H
		5355.12	56.57	-17.43	74	44.52	32.41	12.21	32.57	100	119	P	H
		5350.08	48.01	-5.99	54	35.97	32.4	12.21	32.57	100	119	A	H
		5129.15	48.61	-25.39	74	37.03	31.96	12.15	32.53	372	74	P	V
		5149.1	39.13	-14.87	54	27.51	32	12.15	32.53	372	74	A	V
		5300	109.81	-	-	97.88	32.3	12.19	32.56	372	74	P	V
		5300	102.09	-	-	90.16	32.3	12.19	32.56	372	74	A	V
		5350.32	53.14	-20.86	74	41.1	32.4	12.21	32.57	372	74	P	V
		5350.08	44.81	-9.19	54	32.77	32.4	12.21	32.57	372	74	A	V



802.11a CH 64 5320MHz	5320	111.22	-	-	99.24	32.34	12.2	32.56	100	120	P	H
	5320	104.4	-	-	92.42	32.34	12.2	32.56	100	120	A	H
	5351.2	61.79	-12.21	74	49.75	32.4	12.21	32.57	100	120	P	H
	5350.08	51.57	-2.43	54	39.53	32.4	12.21	32.57	100	120	A	H
	5320	108.04	-	-	96.06	32.34	12.2	32.56	372	72	P	V
	5320	101.31	-	-	89.33	32.34	12.2	32.56	372	72	A	V
	5350.24	58.22	-15.78	74	46.18	32.4	12.21	32.57	372	72	P	V
	5350.08	48.01	-5.99	54	35.97	32.4	12.21	32.57	372	72	A	V
Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol>											



**U-NII-2A 5250~5350MHz  
WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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		7013	60.63	-7.67	68.3	62.8	35.91	14	52.08	100	115	P	H
		10520	50.85	-17.45	68.3	47.31	39.28	15.37	51.11	-	-	P	H
		15780	49.79	-24.21	74	46.91	38.08	17.9	53.1	-	-	P	H
		7013	56.93	-11.37	68.3	59.1	35.91	14	52.08	331	86	P	V
		10520	50.57	-17.73	68.3	47.03	39.28	15.37	51.11	-	-	P	V
		15780	50.22	-23.78	74	47.34	38.08	17.9	53.1	-	-	P	V
802.11a CH 60 5300MHz		7066.49	59.34	-8.96	68.3	61.39	35.95	14.03	52.03	100	112	P	H
		10600	50.36	-23.64	74	46.55	39.42	15.55	51.16	-	-	P	H
		15900	49.44	-24.56	74	46.96	37.82	17.97	53.31	-	-	P	H
		7066.49	58.23	-10.07	68.3	60.28	35.95	14.03	52.03	327	73	P	V
		10600	50.22	-23.78	74	46.41	39.42	15.55	51.16	-	-	P	V
		15900	50.6	-23.4	74	48.12	37.82	17.97	53.31	-	-	P	V
802.11a CH 64 5320MHz		7093	58.16	-10.14	68.3	60.16	35.97	14.04	52.01	100	113	P	H
		10640	50.59	-23.41	74	46.63	39.49	15.65	51.18	-	-	P	H
		15960	50.32	-23.68	74	48.06	37.69	18.01	53.44	-	-	P	H
		7093	56.04	-12.26	68.3	58.04	35.97	14.04	52.01	325	75	P	V
		10640	50.46	-23.54	74	46.5	39.49	15.65	51.18	-	-	P	V
		15960	49.42	-24.58	74	47.16	37.69	18.01	53.44	-	-	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**U-NII-2A 5250~5350MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT20 CH 52 5260MHz		5146.64	50.57	-23.43	74	38.96	31.99	12.15	32.53	100	119	P	H
		5143.26	40.59	-13.41	54	28.98	31.99	12.15	32.53	100	119	A	H
		5260	111.53	-	-	99.68	32.22	12.18	32.55	100	119	P	H
		5260	104.53	-	-	92.68	32.22	12.18	32.55	100	119	A	H
		5350.8	52.65	-21.35	74	40.61	32.4	12.21	32.57	100	119	P	H
		5352.48	44.09	-9.91	54	32.05	32.4	12.21	32.57	100	119	A	H
		5131.04	49.82	-24.18	74	38.24	31.96	12.15	32.53	381	72	P	V
		5142.48	40.19	-13.81	54	28.59	31.98	12.15	32.53	381	72	A	V
		5260	109.04	-	-	97.19	32.22	12.18	32.55	381	72	P	V
		5260	102.28	-	-	90.43	32.22	12.18	32.55	381	72	A	V
		5369.28	50.76	-23.24	74	38.68	32.44	12.21	32.57	381	72	P	V
		5351.28	41.69	-12.31	54	29.65	32.4	12.21	32.57	381	72	A	V
802.11n HT20 CH 60 5300MHz		5095.2	49.68	-24.32	74	38.17	31.89	12.14	32.52	100	119	P	H
		5148.75	40.16	-13.84	54	28.54	32	12.15	32.53	100	119	A	H
		5300	112.33	-	-	100.4	32.3	12.19	32.56	100	119	P	H
		5300	105.21	-	-	93.28	32.3	12.19	32.56	100	119	A	H
		5358.96	57.53	-16.47	74	45.47	32.42	12.21	32.57	100	119	P	H
		5350.32	48.37	-5.63	54	36.33	32.4	12.21	32.57	100	119	A	H
		5116.55	49.76	-24.24	74	38.22	31.93	12.14	32.53	374	73	P	V
		5127.4	39.96	-14.04	54	28.39	31.95	12.15	32.53	374	73	A	V
		5300	108.94	-	-	97.01	32.3	12.19	32.56	374	73	P	V
		5300	102.17	-	-	90.24	32.3	12.19	32.56	374	73	A	V
	5352.24	54.08	-19.92	74	42.04	32.4	12.21	32.57	374	73	P	V	
	5350.8	44.68	-9.32	54	32.64	32.4	12.21	32.57	374	73	A	V	



<b>802.11n</b> <b>HT20</b> <b>CH 64</b> <b>5320MHz</b>		5320	111.08	-	-	99.1	32.34	12.2	32.56	100	120	P	H
		5320	104.14	-	-	92.16	32.34	12.2	32.56	100	120	A	H
		5350.08	61.9	-12.1	74	49.86	32.4	12.21	32.57	100	120	P	H
		5350.08	51.99	-2.01	54	39.95	32.4	12.21	32.57	100	120	A	H
		5320	108.34	-	-	96.36	32.34	12.2	32.56	370	73	P	V
		5320	101.62	-	-	89.64	32.34	12.2	32.56	370	73	A	V
		5350.08	59.46	-14.54	74	47.42	32.4	12.21	32.57	370	73	P	V
		5350.08	49.67	-4.33	54	37.63	32.4	12.21	32.57	370	73	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**U-NII-2A 5250~5350MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		7013	60.67	-7.63	68.3	62.84	35.91	14	52.08	100	113	P	H
		10520	50.3	-18	68.3	46.76	39.28	15.37	51.11	-	-	P	H
		15780	49.57	-24.43	74	46.69	38.08	17.9	53.1	-	-	P	H
		7013	59.42	-8.88	68.3	61.59	35.91	14	52.08	328	76	P	V
		10520	50.2	-18.1	68.3	46.66	39.28	15.37	51.11	-	-	P	V
		15780	49.89	-24.11	74	47.01	38.08	17.9	53.1	-	-	P	V
802.11n HT20 CH 60 5300MHz		7066.49	59.67	-8.63	68.3	61.72	35.95	14.03	52.03	100	113	P	H
		10600	49.28	-24.72	74	45.47	39.42	15.55	51.16	-	-	P	H
		15900	49.71	-24.29	74	47.23	37.82	17.97	53.31	-	-	P	H
		7066.49	58.84	-9.46	68.3	60.89	35.95	14.03	52.03	328	74	P	V
		10600	49.09	-24.91	74	45.28	39.42	15.55	51.16	-	-	P	V
		15900	50.68	-23.32	74	48.2	37.82	17.97	53.31	-	-	P	V
802.11n HT20 CH 64 5320MHz		7093	59.6	-8.7	68.3	61.6	35.97	14.04	52.01	100	113	P	H
		10640	50.34	-23.66	74	46.38	39.49	15.65	51.18	-	-	P	H
		15960	49.33	-24.67	74	47.07	37.69	18.01	53.44	-	-	P	H
		7093	58.87	-9.43	68.3	60.87	35.97	14.04	52.01	329	81	P	V
		10640	49.98	-24.02	74	46.02	39.49	15.65	51.18	-	-	P	V
		15960	50.19	-23.81	74	47.93	37.69	18.01	53.44	-	-	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-2A 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include test data for 802.11n HT40 CH 54 (5270MHz) and 802.11n HT40 CH 62 (5310MHz).

Remark

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



**U-NII-2A 5250~5350MHz  
WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		7026.49	60.13	-8.17	68.3	62.29	35.92	14	52.08	100	114	P	H
		10540	50.44	-17.86	68.3	46.83	39.32	15.41	51.12	-	-	P	H
		15810	49.2	-24.8	74	46.42	38.02	17.92	53.16	-	-	P	H
		7026.49	59.08	-9.22	68.3	61.24	35.92	14	52.08	327	85	P	V
		10540	50.21	-18.09	68.3	46.6	39.32	15.41	51.12	-	-	P	V
		15810	50	-24	74	47.22	38.02	17.92	53.16	-	-	P	V
802.11n HT40 CH 62 5310MHz		7079.82	60.47	-7.83	68.3	62.49	35.96	14.03	52.01	100	113	P	H
		10620	50.13	-23.87	74	46.25	39.45	15.6	51.17	-	-	P	H
		15930	49.36	-24.64	74	47	37.75	17.99	53.38	-	-	P	H
		7079.82	59.71	-8.59	68.3	61.73	35.96	14.03	52.01	325	76	P	V
		10620	50.34	-23.66	74	46.46	39.45	15.6	51.17	-	-	P	V
		15930	50.39	-23.61	74	48.03	37.75	17.99	53.38	-	-	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





U-NII-2A 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include test data for 802.11ac VHT80 CH 58 5290MHz and a Remark section.



U-NII-2A 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include data for 802.11ac VHT80 CH 58 at 7053.15, 10580, and 15870 MHz.

Remark

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



U-NII-2C - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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		5459.12	57.44	-16.56	74	45.17	32.62	12.24	32.59	100	117	P	H
		5468.08	63.61	-4.69	68.3	51.32	32.64	12.24	32.59	100	117	P	H
		5460	48.7	-5.3	54	36.43	32.62	12.24	32.59	100	117	A	H
		5500	111.29	-	-	98.94	32.7	12.25	32.6	100	117	P	H
		5500	104.83	-	-	92.48	32.7	12.25	32.6	100	117	A	H
		5458.8	54.26	-19.74	74	41.99	32.62	12.24	32.59	387	67	P	V
		5466.48	62.95	-5.35	68.3	50.67	32.63	12.24	32.59	387	67	P	V
		5460	44.75	-9.25	54	32.48	32.62	12.24	32.59	387	67	A	V
		5500	108.71	-	-	96.36	32.7	12.25	32.6	387	67	P	V
		5500	102.51	-	-	90.16	32.7	12.25	32.6	387	67	A	V
802.11a CH 116 5580MHz		5454.88	52.03	-21.97	74	39.77	32.61	12.24	32.59	100	117	P	H
		5466.4	51.2	-17.1	68.3	38.92	32.63	12.24	32.59	100	117	P	H
		5458.72	40.8	-13.2	54	28.53	32.62	12.24	32.59	100	117	A	H
		5580	110.24	-	-	97.89	32.68	12.27	32.6	100	117	P	H
		5580	103.92	-	-	91.57	32.68	12.27	32.6	100	117	A	H
		5731.295	50.77	-17.53	68.3	38.42	32.65	12.3	32.6	100	117	P	H
		5450.8	50.98	-23.02	74	38.73	32.6	12.24	32.59	397	65	P	V
		5460.4	50.57	-17.73	68.3	38.3	32.62	12.24	32.59	397	65	P	V
		5459.44	40.11	-13.89	54	27.84	32.62	12.24	32.59	397	65	A	V
		5580	108.06	-	-	95.71	32.68	12.27	32.6	397	65	P	V
		5580	101.74	-	-	89.39	32.68	12.27	32.6	397	65	A	V
	5726.885	50.66	-17.64	68.3	38.31	32.65	12.3	32.6	397	65	P	V	



802.11a CH 140 5700MHz	5700	108.31	-	-	95.96	32.66	12.29	32.6	100	118	P	H
	5700	102.14	-	-	89.79	32.66	12.29	32.6	100	118	A	H
	5726.44	64.17	-4.13	68.3	51.82	32.65	12.3	32.6	100	118	P	H
	5700	105.57	-	-	93.22	32.66	12.29	32.6	400	81	P	V
	5700	99.48	-	-	87.13	32.66	12.29	32.6	400	81	A	V
	5725.32	59.79	-8.51	68.3	47.44	32.65	12.3	32.6	400	81	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.											



**U-NII-2C - 5470~5725MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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		7333.31	54.04	-19.96	74	55.45	36.17	14.18	51.76	100	106	P	H
		7333.31	48.22	-5.78	54	49.63	36.17	14.18	51.76	100	106	A	H
		11000	50.75	-23.25	74	45.56	40.1	16.49	51.4	-	-	P	H
		16500	49.33	-18.97	68.3	44.33	39.5	18.2	52.7	-	-	P	H
		7333.31	52.51	-21.49	74	53.92	36.17	14.18	51.76	325	83	P	V
		7333.31	45.42	-8.58	54	46.83	36.17	14.18	51.76	325	83	A	V
		11000	50.41	-23.59	74	45.22	40.1	16.49	51.4	-	-	P	V
		16500	49.38	-18.92	68.3	44.38	39.5	18.2	52.7	-	-	P	V
802.11a CH 116 5580MHz		7440	52.42	-21.58	74	53.58	36.25	14.24	51.65	100	106	P	H
		7440	45.57	-8.43	54	46.73	36.25	14.24	51.65	100	106	A	H
		11160	50.27	-23.73	74	45.02	40.02	16.5	51.27	-	-	P	H
		16740	50.5	-17.8	68.3	44.94	40.41	18.28	53.13	-	-	P	H
		7440	51.17	-22.83	74	52.33	36.25	14.24	51.65	329	78	P	V
		7440	44.2	-9.8	54	45.36	36.25	14.24	51.65	329	78	A	V
		11160	50.15	-23.85	74	44.9	40.02	16.5	51.27	-	-	P	V
		16740	50.13	-18.17	68.3	44.57	40.41	18.28	53.13	-	-	P	V
802.11a CH 140 5700MHz		7600	53.9	-20.1	74	54.74	36.32	14.4	51.56	100	114	P	H
		7600	47.42	-6.58	54	48.26	36.32	14.4	51.56	100	114	A	H
		11400	50.82	-23.18	74	45.48	39.9	16.52	51.08	-	-	P	H
		17100	51.44	-16.86	68.3	44.57	41.98	18.41	53.52	-	-	P	H
		7600	53.02	-20.98	74	53.86	36.32	14.4	51.56	355	85	P	V
		7600	45.99	-8.01	54	46.83	36.32	14.4	51.56	355	85	A	V
		11400	49.38	-24.62	74	44.04	39.9	16.52	51.08	-	-	P	V
		17100	50.73	-17.57	68.3	43.86	41.98	18.41	53.52	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-2C - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include data for 802.11n HT20 CH 100 (5500MHz) and 802.11n HT20 CH 116 (5580MHz).



<b>802.11n</b> <b>HT20</b> <b>CH 140</b> <b>5700MHz</b>		5700	107.15	-	-	94.8	32.66	12.29	32.6	100	117	P	H
		5700	100.99	-	-	88.64	32.66	12.29	32.6	100	117	A	H
		5725	59.92	-8.38	68.3	47.57	32.65	12.3	32.6	100	117	P	H
		5700	103.71	-	-	91.36	32.66	12.29	32.6	378	68	P	V
		5700	97.56	-	-	85.21	32.66	12.29	32.6	378	68	A	V
		5726.84	55.81	-12.49	68.3	43.46	32.65	12.3	32.6	378	68	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**U-NII-2C - 5470~5725MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT20 CH 100 5500MHz		7333.31	53.65	-20.35	74	55.06	36.17	14.18	51.76	100	112	P	H
		7333.31	49.12	-4.88	54	50.53	36.17	14.18	51.76	100	112	A	H
		11000	50.23	-23.77	74	45.04	40.1	16.49	51.4	-	-	P	H
		16500	50.84	-17.46	68.3	45.84	39.5	18.2	52.7	-	-	P	H
		7333.31	53.6	-20.4	74	55.01	36.17	14.18	51.76	334	82	P	V
		7333.31	47.35	-6.65	54	48.76	36.17	14.18	51.76	334	82	A	V
		11000	49.84	-24.16	74	44.65	40.1	16.49	51.4	-	-	P	V
802.11n HT20 CH 116 5580MHz		16500	50.77	-17.53	68.3	45.77	39.5	18.2	52.7	-	-	P	V
		7440	53.27	-20.73	74	54.43	36.25	14.24	51.65	100	108	P	H
		7440	47.95	-6.05	54	49.11	36.25	14.24	51.65	100	108	A	H
		11160	50.26	-23.74	74	45.01	40.02	16.5	51.27	-	-	P	H
		16740	49.45	-18.85	68.3	43.89	40.41	18.28	53.13	-	-	P	H
		7440	52.58	-21.42	74	53.74	36.25	14.24	51.65	321	76	P	V
		7440	46.53	-7.47	54	47.69	36.25	14.24	51.65	321	76	A	V
802.11n HT20 CH 140 5700MHz		11160	50.84	-23.16	74	45.59	40.02	16.5	51.27	-	-	P	V
		16740	49.26	-19.04	68.3	43.7	40.41	18.28	53.13	-	-	P	V
		7600	53.33	-20.67	74	54.17	36.32	14.4	51.56	100	109	P	H
		7600	48.07	-5.93	54	48.91	36.32	14.4	51.56	100	109	A	H
		11400	50.49	-23.51	74	45.15	39.9	16.52	51.08	-	-	P	H
		17100	51.63	-16.67	68.3	44.76	41.98	18.41	53.52	-	-	P	H
		7600	52.28	-21.72	74	53.12	36.32	14.4	51.56	342	82	P	V
Remark		7600	46.79	-7.21	54	47.63	36.32	14.4	51.56	342	82	A	V
		11400	50.58	-23.42	74	45.24	39.9	16.52	51.08	-	-	P	V
		17100	50.05	-18.25	68.3	43.18	41.98	18.41	53.52	-	-	P	V
1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													





**U-NII-2C - 5470~5725MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 102 5510MHz		5459.92	58.43	-15.57	74	46.16	32.62	12.24	32.59	100	117	P	H
		5469.04	64.19	-4.11	68.3	51.9	32.64	12.24	32.59	100	117	P	H
		5459.68	50.77	-3.23	54	38.5	32.62	12.24	32.59	100	117	A	H
		5510	105.23	-	-	92.88	32.7	12.25	32.6	100	117	P	H
		5510	98.81	-	-	86.46	32.7	12.25	32.6	100	117	A	H
		5738.54	49.69	-18.61	68.3	37.34	32.65	12.3	32.6	100	117	P	H
		5457.76	54.33	-19.67	74	42.06	32.62	12.24	32.59	389	67	P	V
		5469.52	59.94	-8.36	68.3	47.65	32.64	12.24	32.59	389	67	P	V
		5459.92	46.25	-7.75	54	33.98	32.62	12.24	32.59	389	67	A	V
		5510	102.65	-	-	90.3	32.7	12.25	32.6	389	67	P	V
		5510	96.51	-	-	84.16	32.7	12.25	32.6	389	67	A	V
	5747.045	50.03	-18.27	68.3	37.68	32.65	12.3	32.6	389	67	P	V	
802.11n HT40 CH 110 5550MHz		5459.2	54.7	-19.3	74	42.43	32.62	12.24	32.59	100	118	P	H
		5469.28	56.01	-12.29	68.3	43.72	32.64	12.24	32.59	100	118	P	H
		5458	46.22	-7.78	54	33.95	32.62	12.24	32.59	100	118	A	H
		5550	106.41	-	-	94.06	32.69	12.26	32.6	100	118	P	H
		5550	100.14	-	-	87.79	32.69	12.26	32.6	100	118	A	H
		5745.155	51.01	-17.29	68.3	38.66	32.65	12.3	32.6	100	118	P	H
		5429.2	52.09	-21.91	74	39.89	32.56	12.23	32.59	383	67	P	V
		5464.48	52.2	-16.1	68.3	39.92	32.63	12.24	32.59	383	67	P	V
		5459.92	42.85	-11.15	54	30.58	32.62	12.24	32.59	383	67	A	V
		5550	104.64	-	-	92.29	32.69	12.26	32.6	383	67	P	V
		5550	98.48	-	-	86.13	32.69	12.26	32.6	383	67	A	V
	5762.48	50.25	-18.05	68.3	37.9	32.65	12.3	32.6	383	67	P	V	



<b>802.11n</b>  <b>HT40</b>  <b>CH 134</b>  <b>5670MHz</b>		5439.6	50.76	-23.24	74	38.54	32.58	12.23	32.59	100	116	P	H
		5460.25	50.33	-17.97	68.3	38.06	32.62	12.24	32.59	100	116	P	H
		5432.6	41.76	-12.24	54	29.55	32.57	12.23	32.59	100	116	A	H
		5670	105.66	-	-	93.31	32.67	12.28	32.6	100	116	P	H
		5670	99.51	-	-	87.16	32.67	12.28	32.6	100	116	A	H
		5735.075	54.87	-13.43	68.3	42.52	32.65	12.3	32.6	100	116	P	H
		5413	50.45	-23.55	74	38.27	32.53	12.23	32.58	387	65	P	V
		5462	49.24	-19.06	68.3	36.97	32.62	12.24	32.59	387	65	P	V
		5426.3	41.28	-12.72	54	29.08	32.55	12.23	32.58	387	65	A	V
		5670	104.06	-	-	91.71	32.67	12.28	32.6	387	65	P	V
		5670	97.96	-	-	85.61	32.67	12.28	32.6	387	65	A	V
		5765	52.1	-16.2	68.3	39.75	32.65	12.3	32.6	387	65	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**U-NII-2C - 5470~5725MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 102 5510MHz		7346.64	53.52	-20.48	74	54.92	36.18	14.18	51.76	100	113	P	H
		7346.64	49.59	-4.41	54	50.99	36.18	14.18	51.76	100	113	A	H
		11020	50.53	-23.47	74	45.34	40.09	16.49	51.39	-	-	P	H
		16530	51.31	-16.99	68.3	46.25	39.61	18.21	52.76	-	-	P	H
		7346.64	52.48	-21.52	74	53.88	36.18	14.18	51.76	324	73	P	V
		7346.64	47.37	-6.63	54	48.77	36.18	14.18	51.76	324	73	A	V
		11020	50.13	-23.87	74	44.94	40.09	16.49	51.39	-	-	P	V
802.11n HT40 CH 110 5550MHz		16530	50.28	-18.02	68.3	45.22	39.61	18.21	52.76	-	-	P	V
		7399.98	54.49	-19.51	74	55.76	36.22	14.21	51.7	100	113	P	H
		7399.98	48.82	-5.18	54	50.09	36.22	14.21	51.7	100	113	A	H
		11100	49.73	-24.27	74	44.5	40.05	16.5	51.32	-	-	P	H
		16650	50.57	-17.73	68.3	45.23	40.07	18.25	52.98	-	-	P	H
		7399.98	53.32	-20.68	74	54.59	36.22	14.21	51.7	335	82	P	V
		7399.98	47.44	-6.56	54	48.71	36.22	14.21	51.7	335	82	A	V
802.11n HT40 CH 134 5670MHz		11100	50.22	-23.78	74	44.99	40.05	16.5	51.32	-	-	P	V
		16650	50.18	-18.12	68.3	44.84	40.07	18.25	52.98	-	-	P	V
		7559.98	52.96	-21.04	74	53.87	36.31	14.35	51.57	100	111	P	H
		7559.98	48.35	-5.65	54	49.26	36.31	14.35	51.57	100	111	A	H
		11340	50.07	-23.93	74	44.75	39.93	16.52	51.13	-	-	P	H
		17010	50.78	-17.52	68.3	44.54	41.46	18.37	53.59	-	-	P	H
		7559.98	52.29	-21.71	74	53.2	36.31	14.35	51.57	325	76	P	V
Remark		7559.98	47.39	-6.61	54	48.3	36.31	14.35	51.57	325	76	A	V
		11340	49.36	-24.64	74	44.04	39.93	16.52	51.13	-	-	P	V
		17010	50.93	-17.37	68.3	44.69	41.46	18.37	53.59	-	-	P	V

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



**U-NII-2C - 5470~5725MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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		5455.12	60.55	-13.45	74	48.29	32.61	12.24	32.59	100	116	P	H
		5462.56	61.16	-7.14	68.3	48.88	32.63	12.24	32.59	100	116	P	H
		5456.56	51.89	-2.11	54	39.63	32.61	12.24	32.59	100	116	P	H
		5530	99.32	-	-	86.97	32.69	12.26	32.6	100	116	P	H
		5530	93.14	-	-	80.79	32.69	12.26	32.6	100	116	A	H
		5730.665	50.21	-18.09	68.3	37.86	32.65	12.3	32.6	100	116	P	H
		5457.52	54.83	-19.17	74	42.56	32.62	12.24	32.59	365	71	P	V
		5470	56.94	-11.36	68.3	44.65	32.64	12.24	32.59	365	71	P	V
		5458.96	46.55	-7.45	54	34.28	32.62	12.24	32.59	365	71	A	V
		5530	96.94	-	-	84.59	32.69	12.26	32.6	365	71	P	V
		5530	90.78	-	-	78.43	32.69	12.26	32.6	365	71	A	V
		5748.935	49.9	-18.4	68.3	37.55	32.65	12.3	32.6	365	71	P	V
802.11ac VHT80 CH 122 5610MHz		5452.24	50.56	-23.44	74	38.31	32.6	12.24	32.59	100	113	P	H
		5462.08	50.86	-17.44	68.3	38.59	32.62	12.24	32.59	100	113	P	H
		5459.68	41.94	-12.06	54	29.67	32.62	12.24	32.59	100	113	A	H
		5610	100.86	-	-	88.51	32.68	12.27	32.6	100	113	P	H
		5610	94.77	-	-	82.42	32.68	12.27	32.6	100	113	A	H
		5727.55	51.89	-16.41	68.3	39.54	32.65	12.3	32.6	100	113	P	H
		5400.88	50.63	-23.37	74	38.49	32.5	12.22	32.58	383	66	P	V
		5469.28	50.26	-18.04	68.3	37.97	32.64	12.24	32.59	383	66	P	V
		5406.64	41.39	-12.61	54	29.24	32.51	12.22	32.58	383	66	A	V
		5610	98.69	-	-	86.34	32.68	12.27	32.6	383	66	P	V
	5610	92.56	-	-	80.21	32.68	12.27	32.6	383	66	A	V	
	5730	50.8	-17.5	68.3	38.45	32.65	12.3	32.6	383	66	P	V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-2C 5470~5725MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include test data for 802.11ac VHT80 CH 106 (5530MHz) and CH 122 (5610MHz), and a Remark section.



**U-NII-2C - Straddle Channel**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
23		5406.1	50.14	-23.86	74	37.99	32.51	12.22	32.58	100	115	P	H
		5469.35	49.93	-18.37	68.3	37.64	32.64	12.24	32.59	100	115	P	H
		5720	107.99	-	-	95.64	32.66	12.29	32.6	100	115	P	H
		5882.4	50.61	-17.69	68.3	38.26	32.62	12.33	32.6	100	115	P	H
		5459.45	39.7	-14.3	54	27.43	32.62	12.24	32.59	100	115	P	H
		5720	100.75	-	-	88.4	32.66	12.29	32.6	100	115	A	H
		5385.2	50.29	-23.71	74	38.18	32.47	12.22	32.58	397	82	P	V
		5466.05	48.96	-19.34	68.3	36.68	32.63	12.24	32.59	397	82	P	V
		5720	106.17	-	-	93.82	32.66	12.29	32.6	397	82	P	V
		5865.9	50.21	-18.09	68.3	37.86	32.63	12.32	32.6	397	82	P	V
		5456.7	39.54	-14.46	54	27.28	32.61	12.24	32.59	397	82	P	V
		5720	98.86	-	-	86.51	32.66	12.29	32.6	397	82	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-2C - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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		7626.47	53.56	-20.44	74	36.25	36.33	14.43	33.45	100	107	P	H
		7626.47	47.34	-6.66	54	30.03	36.33	14.43	33.45	100	107	A	H
		11440	49.59	-24.41	74	25.27	39.88	16.53	32.09	-	-	P	H
		17160	50.08	-18.22	68.3	23.79	42.33	18.43	34.47	-	-	P	H
		7626.47	52.63	-21.37	74	35.32	36.33	14.43	33.45	319	84	P	V
		7626.47	46.6	-7.4	54	29.29	36.33	14.43	33.45	319	84	A	V
		11440	49.62	-24.38	74	25.3	39.88	16.53	32.09	-	-	P	V
		17160	50.05	-18.25	68.3	23.76	42.33	18.43	34.47	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-2C - Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include frequencies like 5400.05, 5461.1, 5720, 5873.05, 5438, 5720, 5398.4, 5468.8, 5720, 5850.5, 5457.8, 5720.

Remark

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





U-NII-2C - Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include data for 802.11n HT20 CH 144 5720MHz and a Remark section.



U-NII-2C - Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include frequencies like 5457.8, 5462.75, 5710, 5850.5, 5449, 5710, 5428.1, 5463.85, 5710, 5873.05, 5456.15, 5710.

Remark

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



U-NII-2C - Straddle Channel
WIFI 802.11n HT40 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include test results for 802.11n HT40 CH 142 at 5710MHz and a Remark section.



U-NII-2C - Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include test data for 802.11ac VHT80 CH 138 5690MHz and a Remark section.



U-NII-2C - Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include test results for 802.11ac VHT80 CH 138 5690MHz and a Remark section.



Emission below 1GHz
WIFI 802.11n HT20 (LF @ 3m)

Table with 14 columns: WIFI, Note, Frequency, Level, Margin, Limit, Read, Antenna, Path, Preamp, Ant, Table, Peak, Pol. It contains 12 rows of test data for 802.11n HT20 LF and a Remark section at the bottom.



U-NII-3 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
23		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11a CH 149 5745MHz		5640	50.98	-17.32	68.3	38.63	32.67	12.28	32.6	302	314	P	H
		5689.4	50.84	-46.56	97.4	38.49	32.66	12.29	32.6	302	314	P	H
		5719.4	54.91	-55.72	110.63	42.56	32.66	12.29	32.6	302	314	P	H
		5725	64.96	-57.24	122.2	52.61	32.65	12.3	32.6	302	314	P	H
		5745	100.57	-	-	88.22	32.65	12.3	32.6	302	314	P	H
		5745	93.72	-	-	81.37	32.65	12.3	32.6	302	314	A	H
		5646.6	50.62	-17.68	68.3	38.27	32.67	12.28	32.6	183	315	P	V
		5696.8	52.65	-50.2	102.85	40.3	32.66	12.29	32.6	183	315	P	V
		5717.4	64.15	-45.92	110.07	51.8	32.66	12.29	32.6	183	315	P	V
		5725	73.03	-49.17	122.2	60.68	32.65	12.3	32.6	183	315	P	V
		5745	108.49	-	-	96.14	32.65	12.3	32.6	183	315	P	V
		5745	102.43	-	-	90.08	32.65	12.3	32.6	183	315	A	V



WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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		5647.4	52.24	-16.06	68.3	39.89	32.67	12.28	32.6	323	328	P	H
		5659.2	52.02	-23.09	75.11	39.67	32.67	12.28	32.6	323	328	P	H
		5713.8	53.16	-55.91	109.07	40.81	32.66	12.29	32.6	323	328	P	H
		5721	52.57	-60.51	113.08	40.22	32.66	12.29	32.6	323	328	P	H
		5785	103.46	-	-	91.11	32.64	12.31	32.6	323	328	P	H
		5785	96.62	-	-	84.27	32.64	12.31	32.6	323	328	A	H
		5850	52.58	-69.62	122.2	40.23	32.63	12.32	32.6	323	328	P	H
		5857	53.1	-57.14	110.24	40.75	32.63	12.32	32.6	323	328	P	H
		5882.2	53.05	-46.8	99.85	40.7	32.62	12.33	32.6	323	328	P	H
		5948.8	53.7	-14.6	68.3	41.35	32.61	12.34	32.6	323	328	P	H
		5637.6	53.06	-15.24	68.3	40.71	32.67	12.28	32.6	162	310	P	V
		5665.2	52.25	-27.3	79.55	39.9	32.67	12.28	32.6	162	310	P	V
		5707.8	52.84	-54.55	107.39	40.49	32.66	12.29	32.6	162	310	P	V
		5724.2	52.94	-67.44	120.38	40.59	32.66	12.29	32.6	162	310	P	V
		5785	111.51	-	-	99.16	32.64	12.31	32.6	162	310	P	V
		5785	104.77	-	-	92.42	32.64	12.31	32.6	162	310	A	V
		5852.8	53.49	-62.33	115.82	41.14	32.63	12.32	32.6	162	310	P	V
		5855.2	54.44	-56.3	110.74	42.09	32.63	12.32	32.6	162	310	P	V
	5924	53.21	-15.73	68.94	40.86	32.62	12.33	32.6	162	310	P	V	
	5931.2	52.65	-15.65	68.3	40.3	32.61	12.34	32.6	162	310	P	V	





WiFi Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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		5825	100.05	-	-	87.7	32.63	12.32	32.6	301	320	P	H
		5825	92.9	-	-	80.55	32.63	12.32	32.6	301	320	A	H
		5853.8	54.06	-59.48	113.54	41.71	32.63	12.32	32.6	301	320	P	H
		5855.2	52.45	-58.29	110.74	40.1	32.63	12.32	32.6	301	320	P	H
		5889.4	51.44	-43.07	94.51	39.09	32.62	12.33	32.6	301	320	P	H
		5929.4	50.77	-17.53	68.3	38.42	32.61	12.34	32.6	301	320	P	H
		5825	109.47	-	-	97.12	32.63	12.32	32.6	159	310	P	V
		5825	102.61	-	-	90.26	32.63	12.32	32.6	159	310	A	V
		5850	63.47	-58.73	122.2	51.12	32.63	12.32	32.6	159	310	P	V
		5855.4	62.03	-48.66	110.69	49.68	32.63	12.32	32.6	159	310	P	V
		5875.4	53.55	-51.35	104.9	41.2	32.62	12.33	32.6	159	310	P	V
		5943.8	51.23	-17.07	68.3	38.88	32.61	12.34	32.6	159	310	P	V
Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol>												



**U-NII-3 5725~5850MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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		7659.8	51.19	-22.81	74	51.92	36.33	14.47	51.53	100	352	P	H
		11490	49.74	-24.26	74	44.37	39.85	16.53	51.01	-	-	P	H
		17235	51.17	-17.13	68.3	43.36	42.76	18.46	53.41	-	-	P	H
		7659.8	51.58	-22.42	74	52.31	36.33	14.47	51.53	400	28	P	V
		11490	49.78	-24.22	74	44.41	39.85	16.53	51.01	-	-	P	V
		17235	50.16	-18.14	68.3	42.35	42.76	18.46	53.41	-	-	P	V
802.11a CH 157 5785MHz		7711.4	51	-23	74	51.63	36.34	14.54	51.51	122	360	P	H
		11570	50.22	-23.78	74	44.85	39.81	16.55	50.99	-	-	P	H
		17355	49.85	-18.45	68.3	41.21	43.46	18.5	53.32	-	-	P	H
		7711.4	51.6	-22.4	74	52.23	36.34	14.54	51.51	361	2	P	V
		11570	50.66	-23.34	74	45.29	39.81	16.55	50.99	-	-	P	V
		17355	51.02	-17.28	68.3	42.38	43.46	18.5	53.32	-	-	P	V
802.11a CH 165 5825MHz		7766	51.04	-17.26	68.3	52.07	35.85	14.61	51.49	100	357	P	H
		11650	50.27	-23.73	74	46.35	38.32	16.57	50.97	-	-	P	H
		17475	51.41	-16.89	68.3	44.46	41.63	18.55	53.23	-	-	P	H
		7766	52.06	-16.24	68.3	53.09	35.85	14.61	51.49	400	35	P	V
		11650	49.47	-24.53	74	45.55	38.32	16.57	50.97	-	-	P	V
		17475	51.09	-17.21	68.3	44.14	41.63	18.55	53.23	-	-	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include frequencies like 5647.8, 5695.2, 5715.6, 5725, 5745, 5745, 5642.6, 5697.2, 5719.8, 5723.2, 5745, 5745.



WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT20 CH 157 5785MHz		5608.8	52.79	-15.51	68.3	40.44	32.68	12.27	32.6	335	344	P	H
		5667	52.41	-28.47	80.88	40.06	32.67	12.28	32.6	335	344	P	H
		5719.8	53.01	-57.73	110.74	40.66	32.66	12.29	32.6	335	344	P	H
		5724.6	51.94	-69.35	121.29	39.59	32.66	12.29	32.6	335	344	P	H
		5785	103.43	-	-	91.08	32.64	12.31	32.6	335	344	P	H
		5785	97.14	-	-	84.79	32.64	12.31	32.6	335	344	A	H
		5850.8	53.28	-67.1	120.38	40.93	32.63	12.32	32.6	335	344	P	H
		5868.4	53.01	-54.04	107.05	40.66	32.63	12.32	32.6	335	344	P	H
		5877.2	53.21	-50.36	103.57	40.86	32.62	12.33	32.6	335	344	P	H
		5945.8	52.89	-15.41	68.3	40.54	32.61	12.34	32.6	335	344	P	H
		5620.4	52.65	-15.65	68.3	40.3	32.68	12.27	32.6	162	310	P	V
		5698.2	53.32	-50.56	103.88	40.97	32.66	12.29	32.6	162	310	P	V
		5713.2	53.37	-55.53	108.9	41.02	32.66	12.29	32.6	162	310	P	V
		5721	53.9	-59.18	113.08	41.55	32.66	12.29	32.6	162	310	P	V
		5785	110.82	-	-	98.47	32.64	12.31	32.6	162	310	P	V
		5785	104.51	-	-	92.16	32.64	12.31	32.6	162	310	A	V
		5850.6	55.64	-65.19	120.83	43.29	32.63	12.32	32.6	162	310	P	V
		5855.2	54.39	-56.35	110.74	42.04	32.63	12.32	32.6	162	310	P	V
	5909.4	53.47	-26.24	79.71	41.12	32.62	12.33	32.6	162	310	P	V	
	5938	53.48	-14.82	68.3	41.13	32.61	12.34	32.6	162	310	P	V	



WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT20 CH 165 5825MHz		5825	100.38	-	-	88.03	32.63	12.32	32.6	316	325	P	H
		5825	94.14	-	-	81.79	32.63	12.32	32.6	316	325	A	H
		5850.2	54.22	-67.52	121.74	41.87	32.63	12.32	32.6	316	325	P	H
		5856.2	53.6	-56.86	110.46	41.25	32.63	12.32	32.6	316	325	P	H
		5895.2	53.3	-36.91	90.21	40.95	32.62	12.33	32.6	316	325	P	H
		5935.8	53.61	-14.69	68.3	41.26	32.61	12.34	32.6	316	325	P	H
		5825	110.82	-	-	98.47	32.63	12.32	32.6	160	311	P	V
		5825	104.59	-	-	92.24	32.63	12.32	32.6	160	311	A	V
		5850.2	61.31	-60.43	121.74	48.96	32.63	12.32	32.6	160	311	P	V
		5856.6	58.22	-52.13	110.35	45.87	32.63	12.32	32.6	160	311	P	V
		5877.4	55.38	-48.04	103.42	43.03	32.62	12.33	32.6	160	311	P	V
	5945.8	53.58	-14.72	68.3	41.23	32.61	12.34	32.6	160	311	P	V	
<b>Remark</b>	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol>												



**U-NII-3 5725~5850MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		7659.8	52.36	-21.64	74	53.09	36.33	14.47	51.53	136	358	P	H
		7659.8	45.04	-8.96	54	45.77	36.33	14.47	51.53	136	358	A	H
		11490	50.49	-23.51	74	45.12	39.85	16.53	51.01	-	-	P	H
		17235	50.39	-17.91	68.3	42.58	42.76	18.46	53.41	-	-	P	H
		7659.8	51.78	-22.22	74	52.51	36.33	14.47	51.53	375	24	P	V
		11490	50.99	-23.01	74	45.62	39.85	16.53	51.01	-	-	P	V
		17235	50.68	-17.62	68.3	42.87	42.76	18.46	53.41	-	-	P	V
802.11n HT20 CH 157 5785MHz		7711.4	51.77	-22.23	74	52.4	36.34	14.54	51.51	136	358	P	H
		11570	50.22	-23.78	74	44.85	39.81	16.55	50.99	-	-	P	H
		17355	51.66	-16.64	68.3	43.02	43.46	18.5	53.32	-	-	P	H
		7711.4	51.91	-22.09	74	52.54	36.34	14.54	51.51	376	0	P	V
		11570	50.27	-23.73	74	44.9	39.81	16.55	50.99	-	-	P	V
		17355	50.41	-17.89	68.3	41.77	43.46	18.5	53.32	-	-	P	V
802.11n HT20 CH 165 5825MHz		7766	51.84	-16.46	68.3	52.37	36.35	14.61	51.49	129	356	P	H
		11650	49.94	-24.06	74	44.57	39.77	16.57	50.97	-	-	P	H
		17475	51.2	-17.1	68.3	41.72	44.16	18.55	53.23	-	-	P	H
		7766	51.93	-16.37	68.3	52.46	36.35	14.61	51.49	346	28	P	V
		11650	50.13	-23.87	74	44.76	39.77	16.57	50.97	-	-	P	V
		17475	51.43	-16.87	68.3	41.95	44.16	18.55	53.23	-	-	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-3 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include frequencies from 5639.2 to 5929.6 MHz.



WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 159 5795MHz		5618.8	52.18	-16.12	68.3	39.83	32.68	12.27	32.6	319	325	P	H
		5667.6	53.64	-27.69	81.33	41.29	32.67	12.28	32.6	319	325	P	H
		5712	52.02	-56.54	108.56	39.67	32.66	12.29	32.6	319	325	P	H
		5721	51.81	-61.27	113.08	39.46	32.66	12.29	32.6	319	325	P	H
		5795	98.52	-	-	86.17	32.64	12.31	32.6	319	325	P	H
		5795	92.44	-	-	80.09	32.64	12.31	32.6	319	325	A	H
		5852.8	52.17	-63.65	115.82	39.82	32.63	12.32	32.6	319	325	P	H
		5860.6	52.41	-56.82	109.23	40.06	32.63	12.32	32.6	319	325	P	H
		5896.2	53.11	-36.36	89.47	40.76	32.62	12.33	32.6	319	325	P	H
		5930	52.52	-15.78	68.3	40.17	32.61	12.34	32.6	319	325	P	H
		5614.4	52.63	-15.67	68.3	40.28	32.68	12.27	32.6	141	313	P	V
		5694.2	53.57	-47.37	100.94	41.22	32.66	12.29	32.6	141	313	P	V
		5712.8	54.9	-53.89	108.79	42.55	32.66	12.29	32.6	141	313	P	V
		5723.2	55.53	-62.57	118.1	43.18	32.66	12.29	32.6	141	313	P	V
		5795	106.96	-	-	94.61	32.64	12.31	32.6	141	313	P	V
		5795	100.84	-	-	88.49	32.64	12.31	32.6	141	313	A	V
		5853.6	57.27	-56.72	113.99	44.92	32.63	12.32	32.6	141	313	P	V
		5862.8	56.31	-52.3	108.61	43.96	32.63	12.32	32.6	141	313	P	V
	5879.2	54.29	-47.79	102.08	41.94	32.62	12.33	32.6	141	313	P	V	
	5933	53.4	-14.9	68.3	41.05	32.61	12.34	32.6	141	313	P	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





**U-NII-3 5725~5850MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 151 5755MHz		7673.14	52.71	-21.29	74	53.42	36.33	14.49	51.53	225	318	P	H
		7673.14	45.68	-8.32	54	46.39	36.33	14.49	51.53	225	318	A	H
		11510	50.73	-23.27	74	45.36	39.84	16.53	51	-	-	P	H
		17265	50.34	-17.96	68.3	42.32	42.94	18.47	53.39	-	-	P	H
		7673.14	52.24	-21.76	74	52.95	36.33	14.49	51.53	366	0	P	V
		7673.14	46.08	-7.92	54	46.79	36.33	14.49	51.53	366	0	A	V
		11510	50.3	-23.7	74	44.93	39.84	16.53	51	-	-	P	V
802.11n HT40 CH 159 5795MHz		17265	49.96	-18.34	68.3	41.94	42.94	18.47	53.39	-	-	P	V
		7726.47	52.18	-21.82	74	52.78	36.35	14.56	51.51	232	321	P	H
		7726.47	46.18	-7.82	54	46.78	36.35	14.56	51.51	232	321	A	H
		11590	50.63	-23.37	74	45.24	39.81	16.56	50.98	-	-	P	H
		17385	50	-18.3	68.3	41.15	43.63	18.51	53.29	-	-	P	H
		7726.47	52.74	-21.26	74	53.34	36.35	14.56	51.51	388	0	P	V
		7726.47	46.51	-7.49	54	47.11	36.35	14.56	51.51	388	0	A	V
Remark		11590	49.74	-24.26	74	44.35	39.81	16.56	50.98	-	-	P	V
		17385	50.55	-17.75	68.3	41.7	43.63	18.51	53.29	-	-	P	V
1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



**U-NII-3 5725~5850MHz  
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( 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		5602.6	53.02	-15.28	68.3	40.67	32.68	12.27	32.6	319	320	P	H
		5698.6	58.08	-46.09	104.17	45.73	32.66	12.29	32.6	319	320	P	H
		5714.4	61.53	-47.7	109.23	49.18	32.66	12.29	32.6	319	320	P	H
		5724	60.62	-59.3	119.92	48.27	32.66	12.29	32.6	319	320	P	H
		5775	93.63	-	-	81.27	32.65	12.31	32.6	319	320	P	H
		5775	87.49	-	-	75.13	32.65	12.31	32.6	319	320	A	H
		5855	58.5	-52.3	110.8	46.15	32.63	12.32	32.6	319	320	P	H
		5860	59.42	-49.98	109.4	47.07	32.63	12.32	32.6	319	320	P	H
		5875.8	54.87	-49.74	104.61	42.52	32.62	12.33	32.6	319	320	P	H
		5938.2	52.38	-15.92	68.3	40.03	32.61	12.34	32.6	319	320	P	H
		5618	52.67	-15.63	68.3	40.32	32.68	12.27	32.6	175	311	P	V
		5696.4	66.2	-36.35	102.55	53.85	32.66	12.29	32.6	175	311	P	V
		5718.4	69.05	-41.3	110.35	56.7	32.66	12.29	32.6	175	311	P	V
		5720.2	69.37	-41.89	111.26	57.02	32.66	12.29	32.6	175	311	P	V
		5775	102.96	-	-	90.6	32.65	12.31	32.6	175	311	P	V
		5775	94.76	-	-	82.4	32.65	12.31	32.6	175	311	A	V
		5851.4	65.48	-53.53	119.01	53.13	32.63	12.32	32.6	175	311	P	V
		5858	65.74	-44.22	109.96	53.39	32.63	12.32	32.6	175	311	P	V
	5875.2	60.35	-44.7	105.05	48	32.62	12.33	32.6	175	311	P	V	
	5941.6	52.88	-15.42	68.3	40.53	32.61	12.34	32.6	175	311	P	V	

**Remark**

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



U-NII-3 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 23, Note, Frequency (MHz), Level (dBµV/m), Margin (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). Rows include test data for 802.11ac VHT80 CH 155 5775MHz and a Remark section.



Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
23		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	(dBμV)	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11a LF		30.97	24.25	-15.75	40	30.82	25.29	0.54	32.4	-	-	P	H
		55.22	23.01	-16.99	40	41.46	13.21	0.74	32.4	-	-	P	H
		181.32	24.08	-19.42	43.5	39.02	15.83	1.37	32.14	-	-	P	H
		292.87	25.18	-20.82	46	35.35	19.76	1.78	31.71	-	-	P	H
		671.17	29.24	-16.76	46	30.78	26.56	2.7	30.8	-	-	P	H
		945.68	34.58	-11.42	46	31.86	31	3.22	31.5	-	-	P	H
		30	25.75	-14.25	40	31.76	25.86	0.53	32.4	-	-	P	V
		55.22	30.38	-9.62	40	48.83	13.21	0.74	32.4	-	-	P	V
		163.86	22.49	-21.01	43.5	36.83	16.52	1.31	32.17	-	-	P	V
		507.24	26.08	-19.92	46	30.43	24.45	2.35	31.15	-	-	P	V
		718.7	30.4	-15.6	46	31.18	27.34	2.79	30.91	-	-	P	V
		944.71	33.13	-12.87	46	30.44	30.97	3.22	31.5	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Co-colation

U-NII-2A 5250~5350MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11nHT20 CH64 5320 MHz &LTE Band13 Link Co-colation	*	5320	109.77	-	-	97.79	32.34	12.2	32.56	100	116	P	H
	*	5320	103.44	-	-	91.46	32.34	12.2	32.56	100	116	A	H
		5350.72	59.5	-14.5	74	47.46	32.4	12.21	32.57	100	116	P	H
		5350.08	50.07	-3.93	54	38.03	32.4	12.21	32.57	100	116	A	H
	*	5320	107.4	-	-	95.42	32.34	12.2	32.56	368	72	P	V
	*	5320	100.88	-	-	88.9	32.34	12.2	32.56	368	72	A	V
		5350.08	57.16	-16.84	74	45.12	32.4	12.21	32.57	368	72	P	V
		5350.08	48.54	-5.46	54	36.5	32.4	12.21	32.57	368	72	A	V
Remark	<ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol>												



**U-NII-2C 5250~5320MHz  
WIFI 802.11n HE20 (Harmonic @ 3m)**

WIFI Ant. 23	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11nHT20 CH64 5320 MHz &LTE Band13 Link Co-colation	*	1559.5	41.06	-32.94	74	40.64	24.98	8.56	33.12	-	-	P	H
	*	2339.25	44.02	-29.98	74	39.8	27.34	9.58	32.7	-	-	A	H
		3119	46.55	-21.75	68.3	39.47	28.78	10.75	32.45	-	-	P	H
		7093	55.67	-12.63	68.3	57.67	35.97	14.04	52.01	100	113	A	H
		10640	50.46	-23.54	74	46.5	39.49	15.65	51.18	-	-	P	H
		15960	49.31	-24.69	74	47.05	37.69	18.01	53.44	-	-	A	H
	*	1559.5	41.51	-32.49	74	41.09	24.98	8.56	33.12	-	-	P	V
	*	2339.25	43.57	-30.43	74	39.35	27.34	9.58	32.7	-	-	A	V
		3119	47.11	-21.19	68.3	40.03	28.78	10.75	32.45	-	-	P	V
		7093	54.84	-13.46	68.3	56.84	35.97	14.04	52.01	341	86	A	V
	10640	50.21	-23.79	74	46.25	39.49	15.65	51.18	-	-	P	V	
	15960	49.04	-24.96	74	46.78	37.69	18.01	53.44	-	-	A	V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**Note symbol**

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



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

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

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin (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. Margin (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. Margin (dB) = Level(dBμV/m) – Limit Line(dBμV/m)  
= 43.54(dBμV/m) – 54(dBμV/m)  
= -10.46(dB)

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

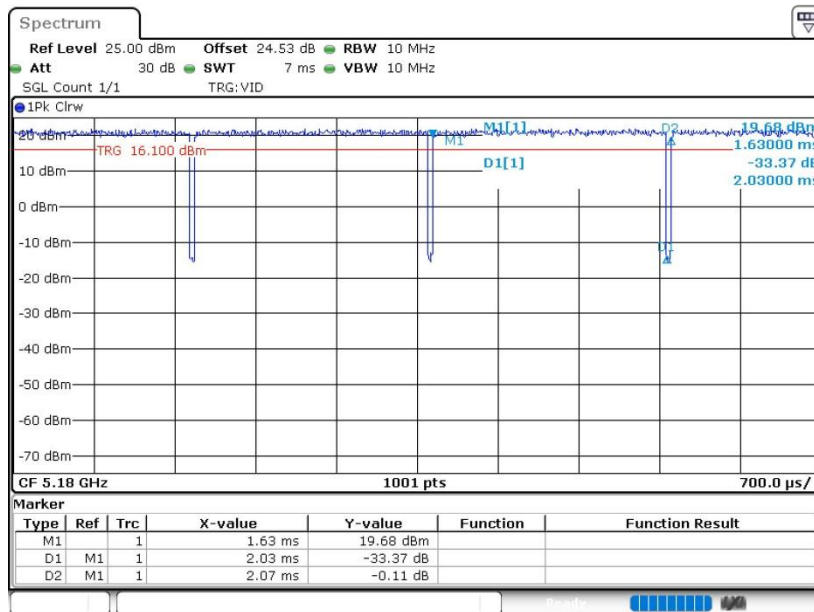




## Appendix D. Duty Cycle Plots

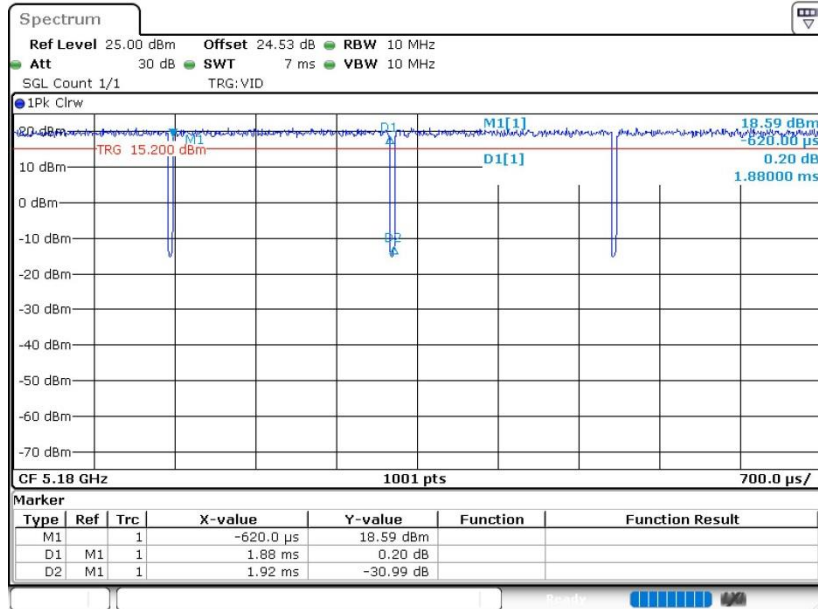
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	99.07	-	-	10Hz
802.11n HT20	97.92	1.880	0.532	1KHz
802.11n HT40	95.88	0.930	1.075	3KHz
802.11ac VHT80	91.84	0.450	2.222	3KHz

### 802.11a

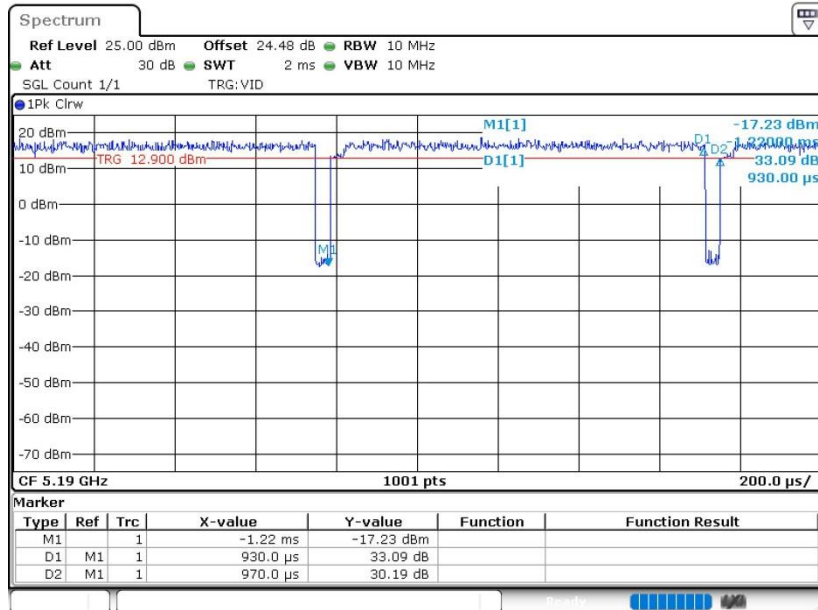




802.11n HT20



802.11n HT40





802.11ac VHT80

