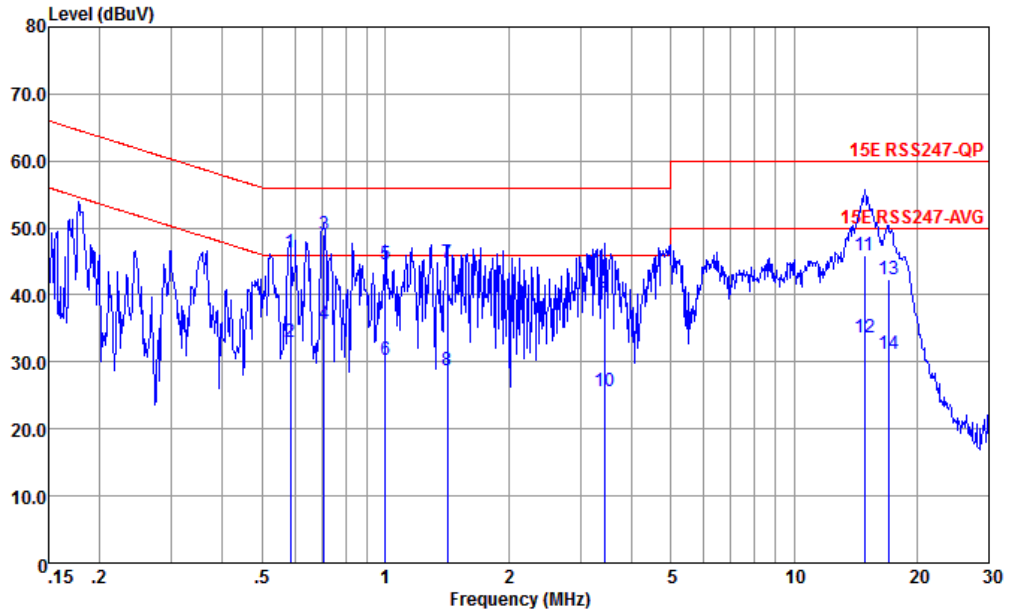




Test Engineer :	Amos Zhao	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS  
 Condition : 15E RSS247-QP LISN-060105-NEUTRAL NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.585	46.40	-9.60	56.00	36.29	-0.08	10.19	QP
2	0.585	33.00	-23.00	56.00	22.89	-0.08	10.19	Average
3 *	0.708	48.97	-7.03	56.00	38.90	-0.09	10.16	QP
4	0.708	35.57	-20.43	56.00	25.50	-0.09	10.16	Average
5	1.000	44.50	-11.50	56.00	34.50	-0.11	10.11	QP
6	1.000	30.20	-25.80	56.00	20.20	-0.11	10.11	Average
7	1.418	44.77	-11.23	56.00	34.81	-0.12	10.08	QP
8	1.418	28.77	-27.23	56.00	18.81	-0.12	10.08	Average
9	3.436	40.43	-15.57	56.00	30.49	-0.12	10.06	QP
10	3.436	25.53	-30.47	56.00	15.59	-0.12	10.06	Average
11	14.907	45.95	-14.05	60.00	34.90	-0.18	11.23	QP
12	14.907	33.65	-26.35	60.00	22.60	-0.18	11.23	Average
13	17.018	42.25	-17.75	60.00	31.21	-0.23	11.27	QP
14	17.018	31.25	-28.75	60.00	20.21	-0.23	11.27	Average

Note:

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



## Appendix C. Radiated Spurious Emission

### 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.
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a CH 36 5180MHz		5149.24	60.79	-13.21	74	47.48	34.87	10.97	32.53	267	249	P	H
		5150	47.9	-6.1	54	34.59	34.87	10.97	32.53	267	249	A	H
		5180	103.71	-	-	90.47	34.86	10.92	32.54	267	249	P	H
		5180	96.91	-	-	83.67	34.86	10.92	32.54	267	249	A	H
		5148.98	63.96	-10.04	74	50.65	34.87	10.97	32.53	159	169	P	V
		5150	49.99	-4.01	54	36.68	34.87	10.97	32.53	159	169	A	V
		5180	104.16	-	-	90.92	34.86	10.92	32.54	159	169	P	V
		5180	96.42	-	-	83.18	34.86	10.92	32.54	159	169	A	V
802.11a CH 44 5220MHz		5149.5	52.22	-21.78	74	38.91	34.87	10.97	32.53	276	250	P	H
		5148.72	42.89	-11.11	54	29.58	34.87	10.97	32.53	276	250	A	H
		5220	103.46	-	-	90.25	34.86	10.9	32.55	276	250	P	H
		5220	96.57	-	-	83.36	34.86	10.9	32.55	276	250	A	H
		5360.64	51.62	-22.38	74	38.38	34.83	10.98	32.57	276	250	P	H
		5379.12	41.43	-12.57	54	28.2	34.82	10.99	32.58	276	250	A	H
		5121.68	52.16	-21.84	74	38.8	34.88	11.01	32.53	159	170	P	V
		5149.5	43.53	-10.47	54	30.22	34.87	10.97	32.53	159	170	A	V
		5220	103.98	-	-	90.77	34.86	10.9	32.55	159	170	P	V
		5220	96.9	-	-	83.69	34.86	10.9	32.55	159	170	A	V
		5424.72	51.09	-22.91	74	37.81	34.82	11.04	32.58	159	170	P	V
	5457.84	41.39	-12.61	54	28.08	34.81	11.09	32.59	159	170	A	V	



<b>802.11a</b> <b>CH 48</b> <b>5240MHz</b>		5040.04	51.56	-22.44	74	38.04	34.89	11.14	32.51	275	252	P	H
		5149.5	42.62	-11.38	54	29.31	34.87	10.97	32.53	275	252	A	H
		5240	103.84	-	-	90.63	34.85	10.91	32.55	275	252	P	H
		5240	96.7	-	-	83.49	34.85	10.91	32.55	275	252	A	H
		5444.64	50.86	-23.14	74	37.57	34.81	11.07	32.59	275	252	P	H
		5412	41.65	-12.35	54	28.39	34.82	11.02	32.58	275	252	A	H
		5057.2	51.76	-22.24	74	38.27	34.89	11.11	32.51	159	172	P	V
		5146.38	42.95	-11.05	54	29.64	34.87	10.97	32.53	159	172	A	V
		5240	103.24	-	-	90.03	34.85	10.91	32.55	159	172	P	V
		5240	103.24	-	-	90.03	34.85	10.91	32.55	159	172	A	V
		5445.36	51.57	-22.43	74	38.28	34.81	11.07	32.59	159	172	P	V
		5354.64	41.47	-12.53	54	28.23	34.83	10.98	32.57	159	172	A	V
Remark	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)

Table with 14 columns: WIFI Ant. 1, 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 channels 36, 44, and 48.



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

Table with 14 columns: WIFI Ant. 1, 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).



<b>802.11n HT20 CH 48 5240MHz</b>		5140.14	52.29	-21.71	74	38.97	34.87	10.98	32.53	270	249	P	H
		5142.48	42.64	-11.36	54	29.32	34.87	10.98	32.53	270	249	A	H
		5240	102.37	-	-	89.16	34.85	10.91	32.55	270	249	P	H
		5240	95.39	-	-	82.18	34.85	10.91	32.55	270	249	A	H
		5374.8	50.87	-23.13	74	37.62	34.83	10.99	32.57	270	249	P	H
		5411.76	41.52	-12.48	54	28.26	34.82	11.02	32.58	270	249	A	H
		5121.94	52.07	-21.93	74	38.71	34.88	11.01	32.53	158	174	P	V
		5147.42	42.68	-11.32	54	29.37	34.87	10.97	32.53	158	174	A	V
		5240	101.94	-	-	88.73	34.85	10.91	32.55	158	174	P	V
		5240	94.6	-	-	81.39	34.85	10.91	32.55	158	174	A	V
		5382.72	52.58	-21.42	74	39.35	34.82	10.99	32.58	158	174	P	V
	5351.52	41.56	-12.44	54	28.33	34.83	10.97	32.57	158	174	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 HT20 (Harmonic @ 3m)**

WIFI Ant. 1	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		10360	51.58	-16.72	68.3	48.31	39.44	14.88	51.05	-	-	P	H
		15540	50.51	-23.49	74	45.24	41.82	16.11	52.66	-	-	P	H
5180MHz		10360	55.29	-13.01	68.3	52.02	39.44	14.88	51.05	-	-	P	V
		15540	50.3	-23.7	74	45.03	41.82	16.11	52.66	-	-	P	V
802.11n HT20 CH 44		10440	50.89	-17.41	68.3	47.59	39.48	14.89	51.07	-	-	P	H
		15660	50.83	-23.17	74	45.61	41.9	16.2	52.88	-	-	P	H
		10440	56.23	-12.07	68.3	52.93	39.48	14.89	51.07	-	-	P	V
		15660	49.42	-24.58	74	44.2	41.9	16.2	52.88	-	-	P	V
802.11n HT20 CH 48		10480	50.27	-18.03	68.3	46.98	39.49	14.89	51.09	-	-	P	H
		15720	49.61	-24.39	74	44.44	41.93	16.24	53	-	-	P	H
		10480	54.63	-13.67	68.3	51.34	39.49	14.89	51.09	-	-	P	V
		15720	49.07	-24.93	74	43.9	41.93	16.24	53	-	-	P	V
Remark	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. 1	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		5149.76	61.18	-12.82	74	47.87	34.87	10.97	32.53	297	252	P	H
		5149.5	48.11	-5.89	54	34.8	34.87	10.97	32.53	297	252	A	H
		5190	97.13	-	-	83.9	34.86	10.91	32.54	297	252	P	H
		5190	90.02	-	-	76.79	34.86	10.91	32.54	297	252	A	H
		5455.52	51.62	-22.38	74	38.32	34.81	11.08	32.59	297	252	P	H
		5371.24	42.82	-11.18	54	29.58	34.83	10.98	32.57	297	252	A	H
		5148.2	61.93	-12.07	74	48.62	34.87	10.97	32.53	329	166	P	V
		5149.76	50.89	-3.11	54	37.58	34.87	10.97	32.53	329	166	A	V
		5190	97.38	-	-	84.15	34.86	10.91	32.54	329	166	P	V
		5190	90.26	-	-	77.03	34.86	10.91	32.54	329	166	A	V
		5402.04	51.94	-22.06	74	38.7	34.82	11	32.58	329	166	P	V
		5457.2	42.79	-11.21	54	29.48	34.81	11.09	32.59	329	166	A	V
802.11n HT40 CH 46 5230MHz		5145.08	54.55	-19.45	74	41.23	34.87	10.98	32.53	173	250	P	H
		5144.3	44.27	-9.73	54	30.95	34.87	10.98	32.53	173	250	A	H
		5230	102.07	-	-	88.86	34.85	10.91	32.55	173	250	P	H
		5230	95.58	-	-	82.37	34.85	10.91	32.55	173	250	A	H
		5355.12	52.22	-21.78	74	38.98	34.83	10.98	32.57	173	250	P	H
		5356.32	43.35	-10.65	54	30.11	34.83	10.98	32.57	173	250	A	H
		5149.24	53.57	-20.43	74	40.26	34.87	10.97	32.53	149	169	P	V
		5146.9	44.14	-9.86	54	30.83	34.87	10.97	32.53	149	169	A	V
		5230	99.77	-	-	86.56	34.85	10.91	32.55	149	169	P	V
		5230	93.53	-	-	80.32	34.85	10.91	32.55	149	169	A	V
	5370	51.71	-22.29	74	38.47	34.83	10.98	32.57	149	169	P	V	
	5354.16	42.79	-11.21	54	29.56	34.83	10.97	32.57	149	169	A	V	
Remark	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)

Table with 14 columns: WIFI Ant. 1, 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 HT40 CH 38 (5190MHz) and 802.11n HT40 CH 46 (5230MHz).

- 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. 1, 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)

WIFI Ant. 1	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		10420	50.69	-17.61	68.3	47.41	39.47	14.88	51.07	-	-	P	H
VHT80		15630	50.4	-23.6	74	45.2	41.88	16.17	52.85	-	-	P	H
CH 42		10420	51.21	-17.09	68.3	47.93	39.47	14.88	51.07	-	-	P	V
5210MHz		15630	50.65	-23.35	74	45.45	41.88	16.17	52.85	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



U-NII-2A - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	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		5094.85	52.1	-21.9	74	38.69	34.88	11.05	32.52	194	248	P	H
		5090.65	42.69	-11.31	54	29.27	34.88	11.06	32.52	194	248	A	H
		5260	104.88	-	-	91.66	34.85	10.92	32.55	194	248	P	H
		5260	97.84	-	-	84.62	34.85	10.92	32.55	194	248	A	H
		5359.68	52.72	-21.28	74	39.48	34.83	10.98	32.57	194	248	P	H
		5353.68	42.86	-11.14	54	29.63	34.83	10.97	32.57	194	248	A	H
		5011.44	53.2	-20.8	74	39.63	34.9	11.18	32.51	157	170	P	V
		5131.56	42.82	-11.18	54	29.48	34.87	11	32.53	157	170	A	V
		5260	102.79	-	-	89.57	34.85	10.92	32.55	157	170	P	V
		5260	95.81	-	-	82.59	34.85	10.92	32.55	157	170	A	V
		5445.36	51.79	-22.21	74	38.5	34.81	11.07	32.59	157	170	P	V
		5350.56	41.67	-12.33	54	28.44	34.83	10.97	32.57	157	170	A	V
802.11a CH 60 5300MHz		5085.4	51.74	-22.26	74	38.31	34.88	11.07	32.52	201	248	P	H
		5128.1	42.63	-11.37	54	29.29	34.87	11	32.53	201	248	A	H
		5300	105.09	-	-	91.87	34.84	10.94	32.56	201	248	P	H
		5300	97.9	-	-	84.68	34.84	10.94	32.56	201	248	A	H
		5361.6	53.52	-20.48	74	40.28	34.83	10.98	32.57	201	248	P	H
		5352.48	43.99	-10.01	54	30.76	34.83	10.97	32.57	201	248	A	H
		5124.95	52.38	-21.62	74	39.02	34.88	11.01	32.53	169	169	P	V
		5128.8	42.49	-11.51	54	29.15	34.87	11	32.53	169	169	A	V
		5300	101.93	-	-	88.71	34.84	10.94	32.56	169	169	P	V
		5300	94.71	-	-	81.49	34.84	10.94	32.56	169	169	A	V
		5359.68	51.72	-22.28	74	38.48	34.83	10.98	32.57	169	169	P	V
		5356.32	42.03	-11.97	54	28.79	34.83	10.98	32.57	169	169	A	V



<b>802.11a</b> <b>CH 64</b> <b>5320MHz</b>		5320	105.24	-	-	92	34.84	10.96	32.56	169	250	P	H
		5320	98.8	-	-	85.56	34.84	10.96	32.56	169	250	A	H
		5352.96	64.97	-9.03	74	51.74	34.83	10.97	32.57	169	250	P	H
		5351.2	49.62	-4.38	54	36.39	34.83	10.97	32.57	169	250	A	H
		5320	101.81	-	-	88.57	34.84	10.96	32.56	173	172	P	V
		5320	95.36	-	-	82.12	34.84	10.96	32.56	173	172	A	V
		5355.68	61.27	-12.73	74	48.03	34.83	10.98	32.57	173	172	P	V
		5351.2	46.06	-7.94	54	32.83	34.83	10.97	32.57	173	172	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 802.11a (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 1, 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 channels 52, 60, and 64.



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

Table with 14 columns: WIFI Ant. 1, 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 52 (5260MHz) and 802.11n HT20 CH 60 (5300MHz).



<b>802.11n</b>  <b>HT20</b>  <b>CH 64</b>  <b>5320MHz</b>		5320	101.79	-	-	88.55	34.84	10.96	32.56	271	264	P	H
		5320	94.72	-	-	81.48	34.84	10.96	32.56	271	264	A	H
		5350.88	62.25	-11.75	74	49.02	34.83	10.97	32.57	271	264	P	H
		5350.24	46.89	-7.11	54	33.66	34.83	10.97	32.57	271	264	A	H
		5320	100.8	-	-	87.56	34.84	10.96	32.56	285	260	P	V
		5320	93.64	-	-	80.4	34.84	10.96	32.56	285	260	A	V
		5350.08	60.27	-13.73	74	47.04	34.83	10.97	32.57	285	260	P	V
		5350.72	44.72	-9.28	54	31.49	34.83	10.97	32.57	285	260	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>												
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**U-NII-2A 5250~5350MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 1	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		10520	50.52	-17.78	68.3	47.23	39.5	14.9	51.11	-	-	P	H
		15780	49.59	-24.41	74	44.44	41.97	16.28	53.1	-	-	P	H
CH 52 5260MHz		10520	57.36	-10.94	68.3	54.07	39.5	14.9	51.11	-	-	P	V
		15780	49.9	-24.1	74	44.75	41.97	16.28	53.1	-	-	P	V
802.11n HT20 CH 60 5300MHz		10600	50.96	-23.04	74	47.73	39.48	14.91	51.16	-	-	P	H
		15900	50.95	-23.05	74	45.85	42.04	16.37	53.31	-	-	P	H
		10600	57.36	-16.64	74	54.13	39.48	14.91	51.16	202	346	P	V
		10600	47.51	-6.49	54	44.28	39.48	14.91	51.16	202	346	A	V
802.11n HT20 CH 64 5320MHz		10640	50.94	-23.06	74	47.74	39.47	14.91	51.18	-	-	P	H
		15960	50.36	-23.64	74	45.31	42.08	16.41	53.44	-	-	P	H
		10640	56.85	-17.15	74	53.65	39.47	14.91	51.18	157	0	P	V
		10640	46.93	-7.07	54	43.73	39.47	14.91	51.18	157	0	A	V
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 (Band Edge @ 3m)**

WIFI Ant. 1	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		5085.75	53.02	-20.98	74	39.59	34.88	11.07	32.52	171	251	P	H
		5142.45	43.27	-10.73	54	29.95	34.87	10.98	32.53	171	251	A	H
		5270	100.65	-	-	87.42	34.85	10.93	32.55	171	251	P	H
		5270	94.47	-	-	81.24	34.85	10.93	32.55	171	251	A	H
		5359.68	55.56	-18.44	74	42.32	34.83	10.98	32.57	171	251	P	H
		5357.28	44.17	-9.83	54	30.93	34.83	10.98	32.57	171	251	A	H
		5130.55	52.48	-21.52	74	39.14	34.87	11	32.53	146	168	P	V
		5125.65	43.41	-10.59	54	30.06	34.87	11.01	32.53	146	168	A	V
		5270	100.59	-	-	87.36	34.85	10.93	32.55	146	168	P	V
		5270	94.28	-	-	81.05	34.85	10.93	32.55	146	168	A	V
		5363.52	53.29	-20.71	74	40.05	34.83	10.98	32.57	146	168	P	V
		5362.08	42.87	-11.13	54	29.63	34.83	10.98	32.57	146	168	A	V
802.11n HT40 CH 62 5310MHz		5029.05	51.59	-22.41	74	38.06	34.89	11.15	32.51	168	251	P	H
		5083.65	42.63	-11.37	54	29.2	34.88	11.07	32.52	168	251	A	H
		5310	96.68	-	-	83.45	34.84	10.95	32.56	168	251	P	H
		5310	89.38	-	-	76.15	34.84	10.95	32.56	168	251	A	H
		5351.52	60.81	-13.19	74	47.58	34.83	10.97	32.57	168	251	P	H
		5350.8	49.85	-4.15	54	36.62	34.83	10.97	32.57	168	251	A	H
		5096.95	51.07	-22.93	74	37.66	34.88	11.05	32.52	100	171	P	V
		5128.8	42.66	-11.34	54	29.32	34.87	11	32.53	100	171	A	V
		5310	93.35	-	-	80.12	34.84	10.95	32.56	100	171	P	V
		5310	86.26	-	-	73.03	34.84	10.95	32.56	100	171	A	V
	5351.52	56.52	-17.48	74	43.29	34.83	10.97	32.57	100	171	P	V	
	5350.32	46.08	-7.92	54	32.85	34.83	10.97	32.57	100	171	A	V	
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)

Table with 14 columns: WIFI Ant. 1, 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, HT40, CH 54, 5270MHz, 802.11n, HT40, CH 62, 5310MHz, and a Remark section.



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

Table with 14 columns: WIFI Ant. 1, 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. 1, 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 802.11ac, VHT80, CH 58, 5290MHz and a Remark section.



U-NII-2C - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	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		5459.969	52.76	-21.24	74	39.45	34.81	11.09	32.59	177	249	P	H
		5466.48	55.69	-12.61	68.3	42.37	34.81	11.1	32.59	177	249	P	H
		5458.48	43.23	-10.77	54	29.92	34.81	11.09	32.59	177	249	A	H
		5500	103.5	-	-	90.15	34.8	11.15	32.6	177	249	P	H
		5500	96.61	-	-	83.26	34.8	11.15	32.6	177	249	A	H
		5459.92	54.2	-19.8	74	40.89	34.81	11.09	32.59	373	166	P	V
		5466.8	59.93	-8.37	68.3	46.61	34.81	11.1	32.59	373	166	P	V
		5459.92	44.08	-9.92	54	30.77	34.81	11.09	32.59	373	166	A	V
		5500	102.83	-	-	89.48	34.8	11.15	32.6	373	166	P	V
		5500	95.89	-	-	82.54	34.8	11.15	32.6	373	166	A	V
802.11a CH 116 5580MHz		5406.88	51.26	-22.74	74	38.01	34.82	11.01	32.58	100	245	P	H
		5460.4	50.49	-17.81	68.3	37.18	34.81	11.09	32.59	100	245	P	H
		5458.24	41.83	-12.17	54	28.52	34.81	11.09	32.59	100	245	A	H
		5580	104.75	-	-	91.17	34.91	11.27	32.6	100	245	P	H
		5580	97.06	-	-	83.48	34.91	11.27	32.6	100	245	A	H
		5755.55	51.7	-16.6	68.3	37.83	35.16	11.31	32.6	100	245	P	H
		5433.04	50.63	-23.37	74	37.36	34.81	11.05	32.59	169	172	P	V
		5470	50.48	-17.82	68.3	37.15	34.81	11.11	32.59	169	172	P	V
		5457.76	41.42	-12.58	54	28.11	34.81	11.09	32.59	169	172	A	V
		5580	102.23	-	-	88.65	34.91	11.27	32.6	169	172	P	V
		5580	95	-	-	81.42	34.91	11.27	32.6	169	172	A	V
	5735.075	52.08	-16.22	68.3	38.24	35.13	11.31	32.6	169	172	P	V	



802.11a CH 140 5700MHz	5700	103.82	-	-	90.03	35.08	11.31	32.6	207	284	P	H
	5700	96.58	-	-	82.79	35.08	11.31	32.6	207	284	A	H
	5728.28	64.57	-3.73	68.3	50.74	35.12	11.31	32.6	207	284	P	H
	5700	101.15	-	-	87.36	35.08	11.31	32.6	299	180	P	V
	5700	93.89	-	-	80.1	35.08	11.31	32.6	299	180	A	V
	5726.36	60.08	-8.22	68.3	46.25	35.12	11.31	32.6	299	180	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. 1	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		11000	50.65	-23.35	74	47.69	39.4	14.96	51.4	-	-	P	H
		16500	53.6	-14.7	68.3	47.28	42.4	16.62	52.7	-	-	P	H
		11000	55.54	-18.46	74	52.58	39.4	14.96	51.4	-	-	P	V
		11000	45.13	-8.87	54	42.17	39.4	14.96	51.4	-	-	A	V
802.11a CH 116 5580MHz		11160	50.83	-23.17	74	47.66	39.53	14.91	51.27	-	-	P	H
		16740	52.05	-16.25	68.3	46.03	42.45	16.7	53.13	-	-	P	H
		11160	54.78	-19.22	74	51.61	39.53	14.91	51.27	-	-	P	V
		11160	45.92	-8.08	54	42.75	39.53	14.91	51.27	-	-	A	V
802.11a CH 140 5700MHz		11400	50.89	-23.11	74	47.43	39.72	14.82	51.08	-	-	P	H
		17100	52.49	-15.81	68.3	46.73	42.46	16.82	53.52	-	-	P	H
		11400	55.77	-18.23	74	52.31	39.72	14.82	51.08	-	-	P	V
		11400	45.98	-8.02	54	42.52	39.72	14.82	51.08	-	-	A	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)**

WIFI Ant. 1	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		5320	102.96	-	-	89.72	34.84	10.96	32.56	271	264	P	H
		5320	95.72	-	-	82.48	34.84	10.96	32.56	271	264	A	H
		5350.88	62.25	-11.75	74	49.02	34.83	10.97	32.57	271	264	P	H
		5350.24	46.89	-7.11	54	33.66	34.83	10.97	32.57	271	264	A	H
		5320	101.8	-	-	88.56	34.84	10.96	32.56	285	260	P	V
		5320	94.64	-	-	81.4	34.84	10.96	32.56	285	260	A	V
		5350.08	60.27	-13.73	74	47.04	34.83	10.97	32.57	285	260	P	V
802.11n HT20 CH 116 5580MHz		5350.72	44.72	-9.28	54	31.49	34.83	10.97	32.57	285	260	A	V
		5414.08	52.04	-21.96	74	38.78	34.82	11.02	32.58	160	247	P	H
		5462.32	52.2	-16.1	68.3	38.89	34.81	11.09	32.59	160	247	P	H
		5456.56	41.94	-12.06	54	28.64	34.81	11.08	32.59	160	247	A	H
		5580	103.27	-	-	89.69	34.91	11.27	32.6	160	247	P	H
		5580	96.92	-	-	83.34	34.91	11.27	32.6	160	247	A	H
		5761.535	50.71	-17.59	68.3	36.83	35.17	11.31	32.6	160	247	P	H
		5429.44	51.58	-22.42	74	38.32	34.81	11.04	32.59	154	174	P	V
		5460.64	50.74	-17.56	68.3	37.43	34.81	11.09	32.59	154	174	P	V
		5459.92	41.56	-12.44	54	28.25	34.81	11.09	32.59	154	174	A	V
		5580	101.14	-	-	87.56	34.91	11.27	32.6	154	174	P	V
	5580	94.89	-	-	81.31	34.91	11.27	32.6	154	174	A	V	
	5732.555	51.59	-16.71	68.3	37.75	35.13	11.31	32.6	154	174	P	V	



<b>802.11n</b> <b>HT20</b> <b>CH 140</b> <b>5700MHz</b>		5700	102.62	-	-	88.83	35.08	11.31	32.6	207	284	P	H
		5700	95.53	-	-	81.74	35.08	11.31	32.6	207	284	A	H
		5726.6	65.27	-3.03	68.3	51.44	35.12	11.31	32.6	207	284	P	H
		5700	100.3	-	-	86.51	35.08	11.31	32.6	299	180	P	V
		5700	93.22	-	-	79.43	35.08	11.31	32.6	299	180	A	V
		5725.16	63.43	-4.87	68.3	49.6	35.12	11.31	32.6	299	180	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. 1	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		11000	50.26	-23.74	74	47.3	39.4	14.96	51.4	-	-	P	H	
		16500	50.29	-18.01	68.3	43.97	42.4	16.62	52.7	-	-	P	H	
5500MHz	CH 100	11000	52.86	-21.14	74	49.9	39.4	14.96	51.4	147	0	P	V	
		11000	44.09	-9.91	54	41.13	39.4	14.96	51.4	147	0	A	V	
802.11n HT20		11160	51.9	-22.1	74	48.73	39.53	14.91	51.27	185	40	P	H	
		11160	42.82	-11.18	54	39.65	39.53	14.91	51.27	185	40	A	H	
		16740	49.39	-18.91	68.3	43.37	42.45	16.7	53.13	-	-	P	H	
	CH 116	11160	52.98	-21.02	74	49.81	39.53	14.91	51.27	148	0	P	V	
	5580MHz		11160	43.31	-10.69	54	40.14	39.53	14.91	51.27	148	0	A	V
		16740	49.28	-19.02	68.3	43.26	42.45	16.7	53.13	-	-	P	V	
802.11n HT20		11400	52.48	-21.52	74	49.02	39.72	14.82	51.08	151	47	P	H	
		11400	42.56	-11.44	54	39.1	39.72	14.82	51.08	151	47	A	H	
		17100	49.26	-19.04	68.3	43.5	42.46	16.82	53.52	-	-	P	H	
	CH 140	11400	54.89	-19.11	74	51.43	39.72	14.82	51.08	125	0	P	V	
	5700MHz		11400	45.25	-8.75	54	41.79	39.72	14.82	51.08	125	0	A	V
			17100	49.21	-19.09	68.3	43.45	42.46	16.82	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 HT40 (Band Edge @ 3m)**

WIFI Ant. 1	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		5458.24	53.98	-20.02	74	40.67	34.81	11.09	32.59	166	249	P	H
		5470	62.71	-5.59	68.3	49.38	34.81	11.11	32.59	166	249	P	H
		5459.92	45.31	-8.69	54	32	34.81	11.09	32.59	166	249	A	H
		5510	98.97	-	-	85.6	34.81	11.16	32.6	166	249	P	H
		5510	91.83	-	-	78.46	34.81	11.16	32.6	166	249	A	H
		5761.85	51.87	-16.43	68.3	37.99	35.17	11.31	32.6	166	249	P	H
		5459.44	53.03	-20.97	74	39.72	34.81	11.09	32.59	355	171	P	V
		5468.32	59.33	-8.97	68.3	46.01	34.81	11.1	32.59	355	171	P	V
		5459.2	44.2	-9.8	54	30.89	34.81	11.09	32.59	355	171	A	V
		5510	96.51	-	-	83.14	34.81	11.16	32.6	355	171	P	V
		5510	89.47	-	-	76.1	34.81	11.16	32.6	355	171	A	V
	5746.415	51.7	-16.6	68.3	37.85	35.14	11.31	32.6	355	171	P	V	
802.11n HT40 CH 110 5550MHz		5457.76	52.62	-21.38	74	39.31	34.81	11.09	32.59	160	250	P	H
		5467.6	55.61	-12.69	68.3	42.29	34.81	11.1	32.59	160	250	P	H
		5453.2	43.43	-10.57	54	30.13	34.81	11.08	32.59	160	250	A	H
		5550	100.71	-	-	87.21	34.87	11.23	32.6	160	250	P	H
		5550	94.56	-	-	81.06	34.87	11.23	32.6	160	250	A	H
		5730.035	52.2	-16.1	68.3	38.37	35.12	11.31	32.6	160	250	P	H
		5457.04	51.45	-22.55	74	38.14	34.81	11.09	32.59	130	172	P	V
		5466.4	51.63	-16.67	68.3	38.31	34.81	11.1	32.59	130	172	P	V
		5454.16	42.65	-11.35	54	29.35	34.81	11.08	32.59	130	172	A	V
		5550	97.92	-	-	84.42	34.87	11.23	32.6	130	172	P	V
		5550	91.81	-	-	78.31	34.87	11.23	32.6	130	172	A	V
	5744.525	51.25	-17.05	68.3	37.4	35.14	11.31	32.6	130	172	P	V	



<b>802.11n</b>  <b>HT40</b>  <b>CH 134</b>  <b>5670MHz</b>		5441.7	51.77	-22.23	74	38.49	34.81	11.06	32.59	160	248	P	H
		5465.5	50.87	-17.43	68.3	37.55	34.81	11.1	32.59	160	248	P	H
		5457.1	42.13	-11.87	54	28.82	34.81	11.09	32.59	160	248	A	H
		5670	101.92	-	-	88.18	35.04	11.3	32.6	160	248	P	H
		5670	95.57	-	-	81.83	35.04	11.3	32.6	160	248	A	H
		5731.575	57.8	-10.5	68.3	43.97	35.12	11.31	32.6	160	248	P	H
		5390.95	52.36	-21.64	74	39.12	34.82	11	32.58	130	172	P	V
		5465.5	51.15	-17.15	68.3	37.83	34.81	11.1	32.59	130	172	P	V
		5459.55	42.08	-11.92	54	28.77	34.81	11.09	32.59	130	172	A	V
		5670	98.57	-	-	84.83	35.04	11.3	32.6	130	172	P	V
		5670	92.37	-	-	78.63	35.04	11.3	32.6	130	172	A	V
		5735.6	55.35	-12.95	68.3	41.51	35.13	11.31	32.6	130	172	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. 1	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		10620	50.81	-23.19	74	47.59	39.48	14.91	51.17	-	-	P	H
		15930	50.35	-23.65	74	45.28	42.06	16.39	53.38	-	-	P	H
		10620	54.1	-19.9	74	50.88	39.48	14.91	51.17	146	0	P	V
802.11n HT40 CH 110 5550MHz		11100	49.64	-24.36	74	46.55	39.48	14.93	51.32	-	-	P	H
		16650	49.63	-18.67	68.3	43.51	42.43	16.67	52.98	-	-	P	H
		11100	51.58	-22.42	74	48.49	39.48	14.93	51.32	139	0	P	V
		11100	43.03	-10.97	54	39.94	39.48	14.93	51.32	139	0	A	V
802.11n HT40 CH 134 5670MHz		11340	50.35	-23.65	74	46.97	39.67	14.84	51.13	-	-	P	H
		17010	50.89	-17.41	68.3	45.19	42.5	16.79	53.59	-	-	P	H
		11340	50.68	-23.32	74	47.3	39.67	14.84	51.13	-	-	P	V
		17010	50.63	-17.67	68.3	44.93	42.5	16.79	53.59	-	-	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 802.11ac VHT80 (Band Edge @ 3m)**

WIFI Ant. 1	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		5453.44	58.69	-15.31	74	45.39	34.81	11.08	32.59	197	279	P	H
		5468.08	61.49	-6.81	68.3	48.17	34.81	11.1	32.59	197	279	P	H
		5458.24	49.76	-4.24	54	36.45	34.81	11.09	32.59	197	279	A	H
		5530	98.27	-	-	84.84	34.84	11.19	32.6	197	279	P	H
		5530	90.75	-	-	77.32	34.84	11.19	32.6	197	279	A	H
		5726.57	52.44	-15.86	68.3	38.61	35.12	11.31	32.6	197	279	P	H
		5458.24	59.37	-14.63	74	46.06	34.81	11.09	32.59	178	173	P	V
		5468.56	60.13	-8.17	68.3	46.81	34.81	11.1	32.59	178	173	P	V
		5458.24	49.65	-4.35	54	36.34	34.81	11.09	32.59	178	173	A	V
		5530	93.82	-	-	80.39	34.84	11.19	32.6	178	173	P	V
		5530	86.13	-	-	72.7	34.84	11.19	32.6	178	173	A	V
		5743.265	52.06	-16.24	68.3	38.21	35.14	11.31	32.6	178	173	P	V
802.11ac VHT80 CH 122 5610MHz		5426.8	52.05	-21.95	74	38.78	34.81	11.04	32.58	100	244	P	H
		5464.48	51.32	-16.98	68.3	38	34.81	11.1	32.59	100	244	P	H
		5459.92	44.91	-9.09	54	31.6	34.81	11.09	32.59	100	244	A	H
		5610	98.81	-	-	85.16	34.95	11.3	32.6	100	244	P	H
		5610	92.34	-	-	78.69	34.95	11.3	32.6	100	244	A	H
		5730.525	52.75	-15.55	68.3	38.92	35.12	11.31	32.6	100	244	P	H
		5436.64	51.57	-22.43	74	38.3	34.81	11.05	32.59	146	175	P	V
		5461.6	50.47	-17.83	68.3	37.16	34.81	11.09	32.59	146	175	P	V
		5411.92	44.2	-9.8	54	30.94	34.82	11.02	32.58	146	175	A	V
		5610	94.94	-	-	81.29	34.95	11.3	32.6	146	175	P	V
	5610	88.5	-	-	74.85	34.95	11.3	32.6	146	175	A	V	
	5734.725	52.7	-15.6	68.3	38.86	35.13	11.31	32.6	146	175	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 802.11ac VHT80 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 1, 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 106, 5530MHz, CH 122, and 5610MHz. A Remark section at the bottom states: '1. No other spurious found. 2. All results are PASS against Peak and Average limit line.'





**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.					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)
<b>802.11a CH 144 5720MHz</b>		5458.9	51.69	-22.31	74	38.38	34.81	11.09	32.59	100	248	P	H
		5464.95	50.94	-17.36	68.3	37.62	34.81	11.1	32.59	100	248	P	H
		5720	105.19	-	-	91.37	35.11	11.31	32.6	100	248	P	H
		5892.3	52.29	-16.01	68.3	38.11	35.35	11.43	32.6	100	248	P	H
		5458.9	41.63	-12.37	54	28.32	34.81	11.09	32.59	100	248	P	H
		5720	99.28	-	-	85.46	35.11	11.31	32.6	100	248	A	H
		5387.4	50.96	-23.04	74	37.73	34.82	10.99	32.58	138	177	P	V
		5464.4	50.68	-17.62	68.3	37.36	34.81	11.1	32.59	138	177	P	V
		5720	104.31	-	-	90.49	35.11	11.31	32.6	138	177	P	V
		5892.85	52.13	-16.17	68.3	37.95	35.35	11.43	32.6	138	177	P	V
		5457.25	41.58	-12.42	54	28.27	34.81	11.09	32.59	138	177	P	V
	5720	98.28	-	-	84.46	35.11	11.31	32.6	138	177	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)

Table with 14 columns: WIFI Ant. 1, 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 802.11a CH 144 and a Remark section.



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

Table with 14 columns: WIFI Ant. 1, 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 HT20 CH 144 5720MHz and a Remark section.



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

Table with 14 columns: WIFI Ant. 1, 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 HT20 CH 144 at 5720MHz and a Remark section.



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

Table with 14 columns: WIFI Ant. 1, 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 142 5710MHz and a Remark section.



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

Table with 14 columns: WIFI Ant. 1, 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 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. 1, 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.



U-NII-2C - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	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		11380	50.84	-23.16	74	47.4	39.7	14.83	51.09	-	-	P	H
VHT80		17070	50.73	-17.57	68.3	45	42.47	16.81	53.55	-	-	P	H
CH 138		11380	50.27	-23.73	74	46.83	39.7	14.83	51.09	-	-	P	V
5690MHz		17070	49.08	-19.22	68.3	43.35	42.47	16.81	53.55	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





Emission below 1GHz
5GHz WIFI 802.11a HT20 (LF)

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 5GHz frequencies 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.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11a CH 149 5745MHz		5602.6	52.54	-15.76	68.3	38.9	34.94	11.3	32.6	167	247	P	H
		5689.4	54.44	-42.96	97.4	40.67	35.07	11.3	32.6	167	247	P	H
		5719.6	64.42	-46.27	110.69	50.6	35.11	11.31	32.6	167	247	P	H
		5724.8	69.54	-52.2	121.74	55.72	35.11	11.31	32.6	167	247	P	H
		5745	104.55	-	-	90.7	35.14	11.31	32.6	167	247	P	H
		5745	97.18	-	-	83.33	35.14	11.31	32.6	167	247	A	H
		5636.6	52.16	-16.14	68.3	38.47	34.99	11.3	32.6	343	175	P	V
		5686.6	52.94	-42.4	95.34	39.18	35.06	11.3	32.6	343	175	P	V
		5719.4	63.61	-47.02	110.63	49.79	35.11	11.31	32.6	343	175	P	V
		5724.2	71.35	-49.03	120.38	57.53	35.11	11.31	32.6	343	175	P	V
		5745	102.68	-	-	88.83	35.14	11.31	32.6	343	175	P	V
		5745	95.33	-	-	81.48	35.14	11.31	32.6	343	175	A	V



WIFI Ant. 1	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)
		5629.6	52.78	-15.52	68.3	39.1	34.98	11.3	32.6	160	247	P	H
		5676.4	52.19	-35.63	87.82	38.44	35.05	11.3	32.6	160	247	P	H
		5718.8	53.23	-57.23	110.46	39.41	35.11	11.31	32.6	160	247	P	H
		5723	52.57	-65.07	117.64	38.75	35.11	11.31	32.6	160	247	P	H
		5785	103.65	-	-	89.74	35.2	11.31	32.6	160	247	P	H
		5785	96.37	-	-	82.46	35.2	11.31	32.6	160	247	A	H
		5854	51.9	-61.18	113.08	37.82	35.3	11.38	32.6	160	247	P	H
		5872	51.66	-54.38	106.04	37.54	35.32	11.4	32.6	160	247	P	H
		5892.8	51.55	-40.44	91.99	37.37	35.35	11.43	32.6	160	247	P	H
		5946.8	51.96	-16.34	68.3	37.64	35.43	11.49	32.6	160	247	P	H
		5637.8	52.01	-16.29	68.3	38.32	34.99	11.3	32.6	353	174	P	V
		5672.2	51.88	-32.84	84.72	38.14	35.04	11.3	32.6	353	174	P	V
		5710	51.7	-56.3	108	37.9	35.09	11.31	32.6	353	174	P	V
		5724.4	51.07	-69.76	120.83	37.25	35.11	11.31	32.6	353	174	P	V
		5785	103.08	-	-	89.17	35.2	11.31	32.6	353	174	P	V
		5785	96.24	-	-	82.33	35.2	11.31	32.6	353	174	A	V
		5852.8	51.4	-64.42	115.82	37.33	35.29	11.38	32.6	353	174	P	V
		5857.2	52.06	-58.12	110.18	37.98	35.3	11.38	32.6	353	174	P	V
		5897	52.05	-36.83	88.88	37.86	35.36	11.43	32.6	353	174	P	V
		5934.2	52.06	-16.24	68.3	37.77	35.41	11.48	32.6	353	174	P	V



WIFI Ant. 1	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	104.45	-	-	90.45	35.26	11.34	32.6	160	246	P	H
		5825	97.17	-	-	83.17	35.26	11.34	32.6	160	246	A	H
		5851.6	62.88	-55.67	118.55	48.82	35.29	11.37	32.6	160	246	P	H
		5856	60.01	-50.51	110.52	45.93	35.3	11.38	32.6	160	246	P	H
		5875.4	52.73	-52.17	104.9	38.6	35.33	11.4	32.6	160	246	P	H
		5930.8	52.06	-16.24	68.3	37.79	35.4	11.47	32.6	160	246	P	H
		5825	102.05	-	-	88.05	35.26	11.34	32.6	350	175	P	V
		5825	95.25	-	-	81.25	35.26	11.34	32.6	350	175	A	V
		5851.4	61.99	-57.02	119.01	47.93	35.29	11.37	32.6	350	175	P	V
		5856.2	58.55	-51.91	110.46	44.47	35.3	11.38	32.6	350	175	P	V
		5885.8	51.75	-45.43	97.18	37.59	35.34	11.42	32.6	350	175	P	V
		5940.4	52.18	-16.12	68.3	37.87	35.42	11.49	32.6	350	175	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. 1	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		11490	55.09	-18.91	74	51.52	39.79	14.79	51.01	104	33	P	H
		11490	46.33	-7.67	54	42.76	39.79	14.79	51.01	104	33	A	H
		17235	50.19	-18.11	68.3	44.34	42.41	16.85	53.41	-	-	P	H
		11490	57.23	-16.77	74	53.66	39.79	14.79	51.01	125	356	P	V
		11490	48.33	-5.67	54	44.76	39.79	14.79	51.01	125	356	A	V
		17235	49.45	-18.85	68.3	43.6	42.41	16.85	53.41	-	-	P	V
802.11a CH 157 5785MHz		11570	55.47	-18.53	74	51.83	39.86	14.77	50.99	100	33	P	H
		11570	46.65	-7.35	54	43.01	39.86	14.77	50.99	100	33	A	H
		17355	50.06	-18.24	68.3	44.14	42.36	16.88	53.32	-	-	P	H
		11570	57.69	-16.31	74	54.05	39.86	14.77	50.99	119	356	P	V
		11570	49.13	-4.87	54	45.49	39.86	14.77	50.99	119	356	A	V
		17355	50.32	-17.98	68.3	44.4	42.36	16.88	53.32	-	-	P	V
802.11a CH 165 5825MHz		11650	56.47	-17.53	74	52.78	39.92	14.74	50.97	100	42	P	H
		11650	46.32	-7.68	54	42.63	39.92	14.74	50.97	100	42	A	H
		17475	49.85	-18.45	68.3	43.86	42.31	16.91	53.23	-	-	P	H
		11650	57.44	-16.56	74	53.75	39.92	14.74	50.97	121	355	P	V
		11650	48.76	-5.24	54	45.07	39.92	14.74	50.97	121	355	A	V
		17475	50.56	-17.74	68.3	44.57	42.31	16.91	53.23	-	-	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 HT20 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 1, 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 frequencies 5649, 5693.4, 5720, 5724.2, 5745, 5745, 5648.8, 5693.8, 5718.4, 5723.4, 5745, 5745.



WIFI Ant. 1	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		5621.8	52.47	-15.83	68.3	38.8	34.97	11.3	32.6	189	247	P	H
		5690.8	53.12	-45.31	98.43	39.35	35.07	11.3	32.6	189	247	P	H
		5704.6	53.14	-53.35	106.49	39.34	35.09	11.31	32.6	189	247	P	H
		5720.2	54.01	-57.25	111.26	40.19	35.11	11.31	32.6	189	247	P	H
		5785	103.47	-	-	89.56	35.2	11.31	32.6	189	247	P	H
		5785	96.26	-	-	82.35	35.2	11.31	32.6	189	247	A	H
		5852.6	52.96	-63.31	116.27	38.89	35.29	11.38	32.6	189	247	P	H
		5861.8	52.33	-56.56	108.89	38.23	35.31	11.39	32.6	189	247	P	H
		5923.2	52.44	-17.09	69.53	38.19	35.39	11.46	32.6	189	247	P	H
		5940	53.99	-14.31	68.3	39.68	35.42	11.49	32.6	189	247	P	H
		5646.8	52.92	-15.38	68.3	39.21	35.01	11.3	32.6	292	173	P	V
		5669.4	52.95	-29.71	82.66	39.21	35.04	11.3	32.6	292	173	P	V
		5712	53.14	-55.42	108.56	39.33	35.1	11.31	32.6	292	173	P	V
		5724.2	52.6	-67.78	120.38	38.78	35.11	11.31	32.6	292	173	P	V
		5785	101.9	-	-	87.99	35.2	11.31	32.6	292	173	P	V
		5785	94.54	-	-	80.63	35.2	11.31	32.6	292	173	A	V
		5852	51.99	-65.65	117.64	37.92	35.29	11.38	32.6	292	173	P	V
		5859.2	52.26	-57.36	109.62	38.18	35.3	11.38	32.6	292	173	P	V
	5911.2	53.92	-24.46	78.38	39.69	35.38	11.45	32.6	292	173	P	V	
	5940.2	53.73	-14.57	68.3	39.42	35.42	11.49	32.6	292	173	P	V	



WIFI Ant. 1	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	102.55	-	-	88.55	35.26	11.34	32.6	190	246	P	H
		5825	95.05	-	-	81.05	35.26	11.34	32.6	190	246	A	H
		5850.2	61.53	-60.21	121.74	47.47	35.29	11.37	32.6	190	246	P	H
		5856.6	60.95	-49.4	110.35	46.87	35.3	11.38	32.6	190	246	P	H
		5910.6	52.78	-26.04	78.82	38.56	35.37	11.45	32.6	190	246	P	H
		5926.2	53.13	-15.17	68.3	38.86	35.4	11.47	32.6	190	246	P	H
		5825	101.96	-	-	87.96	35.26	11.34	32.6	286	176	P	V
		5825	94.17	-	-	80.17	35.26	11.34	32.6	286	176	A	V
		5852.4	62.54	-54.19	116.73	48.47	35.29	11.38	32.6	286	176	P	V
		5855.8	60.23	-50.35	110.58	46.15	35.3	11.38	32.6	286	176	P	V
		5896	52.94	-36.68	89.62	38.76	35.35	11.43	32.6	286	176	P	V
	5934.2	53.03	-15.27	68.3	38.74	35.41	11.48	32.6	286	176	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 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 1	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		11490	54.67	-19.33	74	51.1	39.79	14.79	51.01	100	35	P	H
		11490	44.99	-9.01	54	41.42	39.79	14.79	51.01	100	35	A	H
		17235	51.19	-17.11	68.3	45.34	42.41	16.85	53.41	-	-	P	H
		11490	56.78	-17.22	74	53.21	39.79	14.79	51.01	120	355	P	V
		11490	46.9	-7.1	54	43.33	39.79	14.79	51.01	120	355	A	V
		17235	51.6	-16.7	68.3	45.75	42.41	16.85	53.41	-	-	P	V
802.11n HT20 CH 157 5785MHz		11570	54.74	-19.26	74	51.1	39.86	14.77	50.99	100	34	P	H
		11570	45.11	-8.89	54	41.47	39.86	14.77	50.99	100	34	A	H
		17355	52.05	-16.25	68.3	46.13	42.36	16.88	53.32	-	-	P	H
		11570	57.12	-16.88	74	53.48	39.86	14.77	50.99	115	355	P	V
		11570	47.94	-6.06	54	44.3	39.86	14.77	50.99	115	355	A	V
		17355	52.5	-15.8	68.3	46.58	42.36	16.88	53.32	-	-	P	V
802.11n HT20 CH 165 5825MHz		11650	54.17	-19.83	74	50.48	39.92	14.74	50.97	100	31	P	H
		11650	45.61	-8.39	54	41.92	39.92	14.74	50.97	100	31	A	H
		17475	51.45	-16.85	68.3	45.46	42.31	16.91	53.23	-	-	P	H
		11650	57.18	-16.82	74	53.49	39.92	14.74	50.97	100	356	P	V
		11650	47.82	-6.18	54	44.13	39.92	14.74	50.97	100	356	A	V
		17475	52.52	-15.78	68.3	46.53	42.31	16.91	53.23	-	-	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 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 1, 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 5648.6 to 5928 MHz.



WIFI Ant. 1	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		5643.8	52.81	-15.49	68.3	39.11	35	11.3	32.6	192	282	P	H
		5695.6	53.46	-48.51	101.97	39.69	35.07	11.3	32.6	192	282	P	H
		5718.2	54.87	-55.43	110.3	41.05	35.11	11.31	32.6	192	282	P	H
		5725	54.31	-67.89	122.2	40.49	35.11	11.31	32.6	192	282	P	H
		5795	101.58	-	-	87.66	35.21	11.31	32.6	192	282	P	H
		5795	94.16	-	-	80.24	35.21	11.31	32.6	192	282	A	H
		5851.2	59.61	-59.85	119.46	45.55	35.29	11.37	32.6	192	282	P	H
		5870.6	58.44	-47.99	106.43	44.32	35.32	11.4	32.6	192	282	P	H
		5886.2	55.42	-41.46	96.88	41.26	35.34	11.42	32.6	192	282	P	H
		5931	53.39	-14.91	68.3	39.12	35.4	11.47	32.6	192	282	P	H
		5612.8	52.94	-15.36	68.3	39.28	34.96	11.3	32.6	276	166	P	V
		5681.2	52.69	-38.67	91.36	38.94	35.05	11.3	32.6	276	166	P	V
		5712.4	52.66	-56.01	108.67	38.85	35.1	11.31	32.6	276	166	P	V
		5720.6	53.33	-58.84	112.17	39.51	35.11	11.31	32.6	276	166	P	V
		5795	97.78	-	-	83.86	35.21	11.31	32.6	276	166	P	V
		5795	90.3	-	-	76.38	35.21	11.31	32.6	276	166	A	V
		5851.8	53.14	-64.96	118.1	39.08	35.29	11.37	32.6	276	166	P	V
		5857.8	54.18	-55.83	110.01	40.1	35.3	11.38	32.6	276	166	P	V
	5890	52.65	-41.42	94.07	38.48	35.35	11.42	32.6	276	166	P	V	
	5930	53.13	-15.17	68.3	38.86	35.4	11.47	32.6	276	166	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. 1	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		11510	52.14	-21.86	74	48.54	39.81	14.79	51	103	35	P	H
		11510	44.11	-9.89	54	40.51	39.81	14.79	51	103	35	A	H
		17265	51.9	-16.4	68.3	46.04	42.39	16.86	53.39	-	-	P	H
		11510	54.69	-19.31	74	51.09	39.81	14.79	51	117	355	P	V
		11510	46.39	-7.61	54	42.79	39.81	14.79	51	117	355	A	V
		17265	52.68	-15.62	68.3	46.82	42.39	16.86	53.39	-	-	P	V
802.11n HT40 CH 159 5795MHz		11590	52.26	-21.74	74	48.61	39.87	14.76	50.98	105	33	P	H
		11590	43.19	-10.81	54	39.54	39.87	14.76	50.98	105	33	A	H
		17385	51.72	-16.58	68.3	45.77	42.35	16.89	53.29	-	-	P	H
		11590	54.26	-19.74	74	50.61	39.87	14.76	50.98	113	354	P	V
		11590	45.56	-8.44	54	41.91	39.87	14.76	50.98	113	354	A	V
		17385	50.81	-17.49	68.3	44.86	42.35	16.89	53.29			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 802.11ac VHT80 (Band Edge @ 3m)

Table with 14 columns: WIFI Ant. 1, 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 5650 to 5947.6 MHz.

Remark
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 (Harmonic @ 3m)

Table with 14 columns: WIFI Ant. 1, 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 802.11ac VHT80, CH 155, and 5775MHz, plus 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.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11a LF		53.28	19.64	-20.36	40	32.72	20.17	1.72	34.97	-	-	P	H
		167.74	25.49	-18.01	43.5	38.52	19.21	2.46	34.7	-	-	P	H
		259.89	27.41	-18.59	46	40.77	18.47	2.85	34.68	-	-	P	H
		523.73	25.45	-20.55	46	31.86	24.33	3.76	34.5	-	-	P	H
		750.71	29.1	-16.9	46	31.24	27.89	4.37	34.4	-	-	P	H
		919.49	31.81	-14.19	46	31.92	29.44	4.75	34.3	-	-	P	H
		56.19	26.78	-13.22	40	40	19.97	1.75	34.94	-	-	P	V
		82.38	25.97	-14.03	40	43.74	15.01	1.94	34.72	-	-	P	V
		164.83	27.58	-15.92	43.5	40.52	19.3	2.46	34.7	-	-	P	V
		439.34	24.41	-21.59	46	32.41	22.96	3.54	34.5	-	-	P	V
		673.11	27.63	-18.37	46	31.32	26.57	4.19	34.45	-	-	P	V
		844.8	29.93	-16.07	46	31.08	28.58	4.57	34.3	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against 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.	
2		( 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		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
2412MHz													

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)

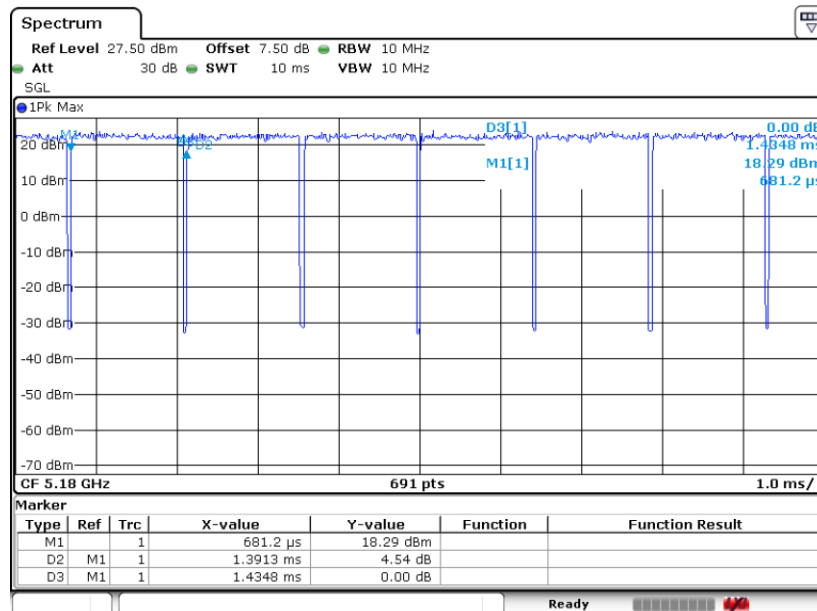
**Both peak and average measured complies with the limit line, so test result is “PASS”.**



## Appendix D. Duty Cycle Plots

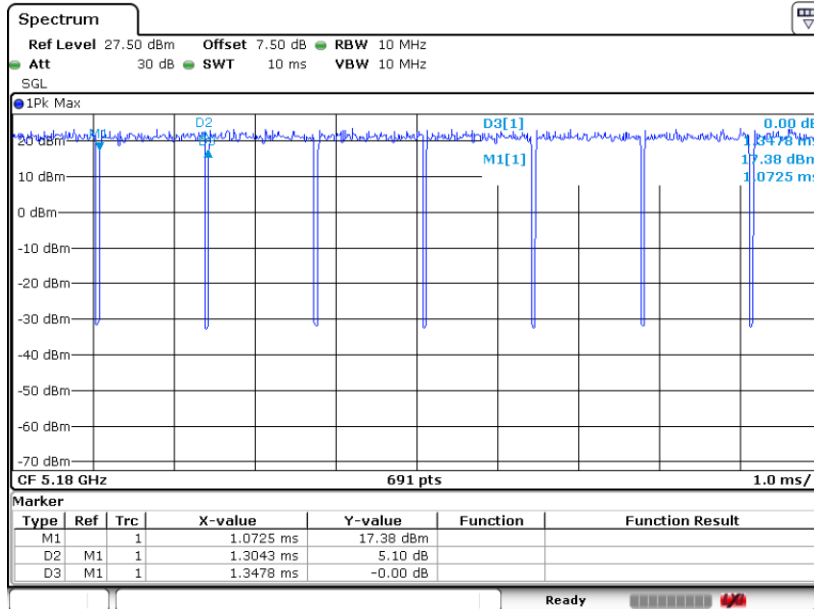
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11a	96.97	1.391	0.719	1KHz
802.11n HT20	96.77	1.304	0.767	1KHz
802.11n HT40	93.68	0.645	1.551	3KHz
802.11ac VHT80	88.19	0.325	3.080	10KHz

### 802.11a

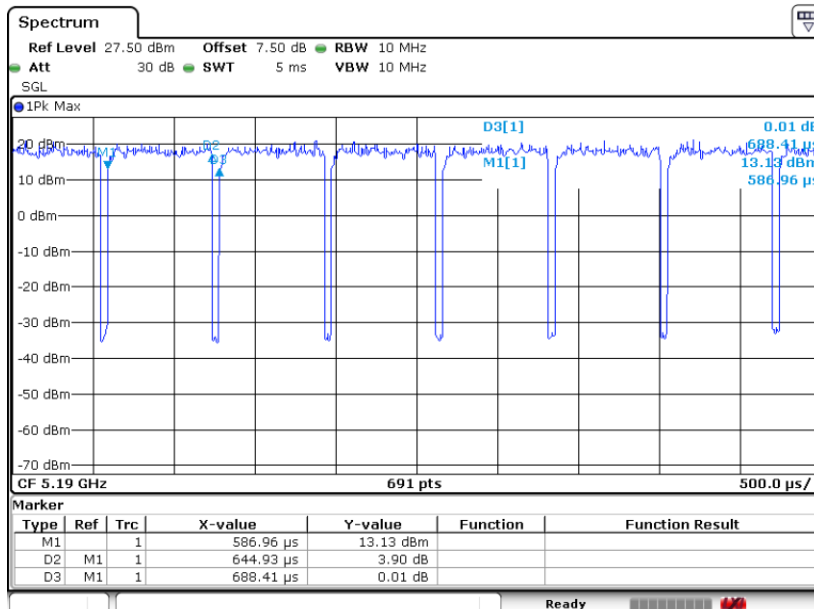




802.11n HT20



802.11n HT40





802.11ac VHT80

