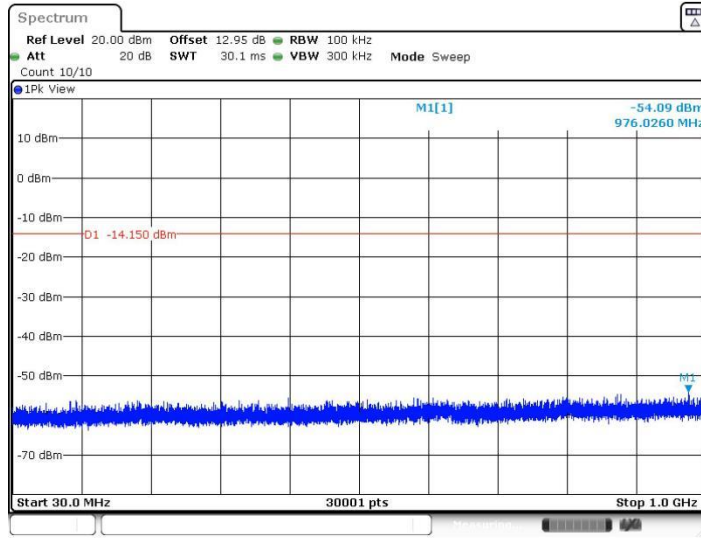


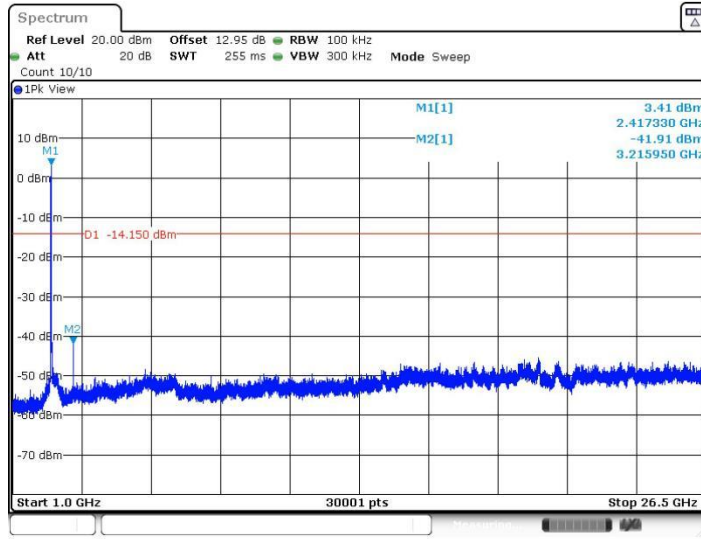


11N20SISO\_Ant1\_2412\_30~1000



Date: 25.AUG.2022 16:50:13

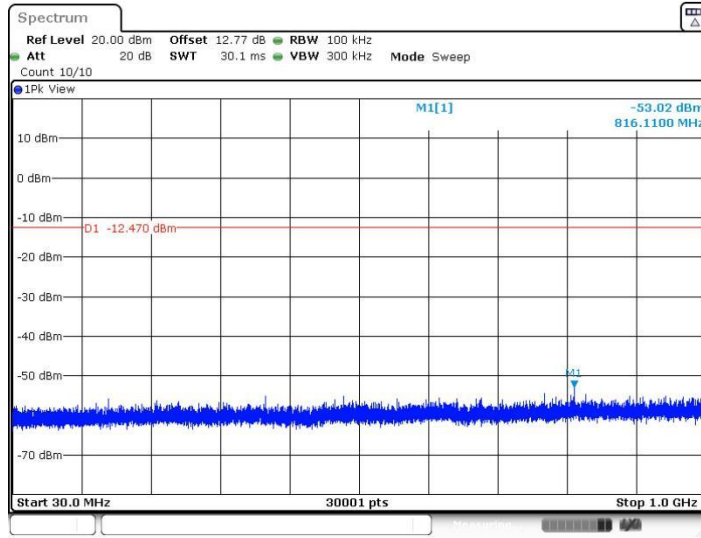
11N20SISO\_Ant1\_2412\_1000~26500



Date: 25.AUG.2022 16:50:50

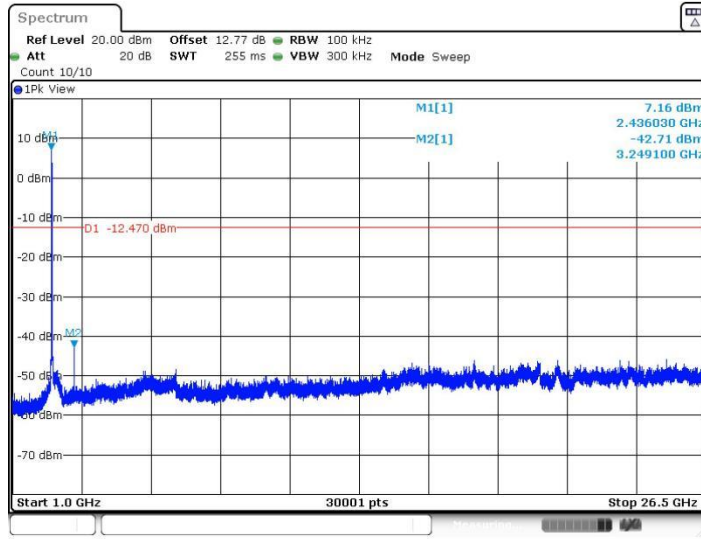


11N20SISO\_Ant1\_2437\_30~1000

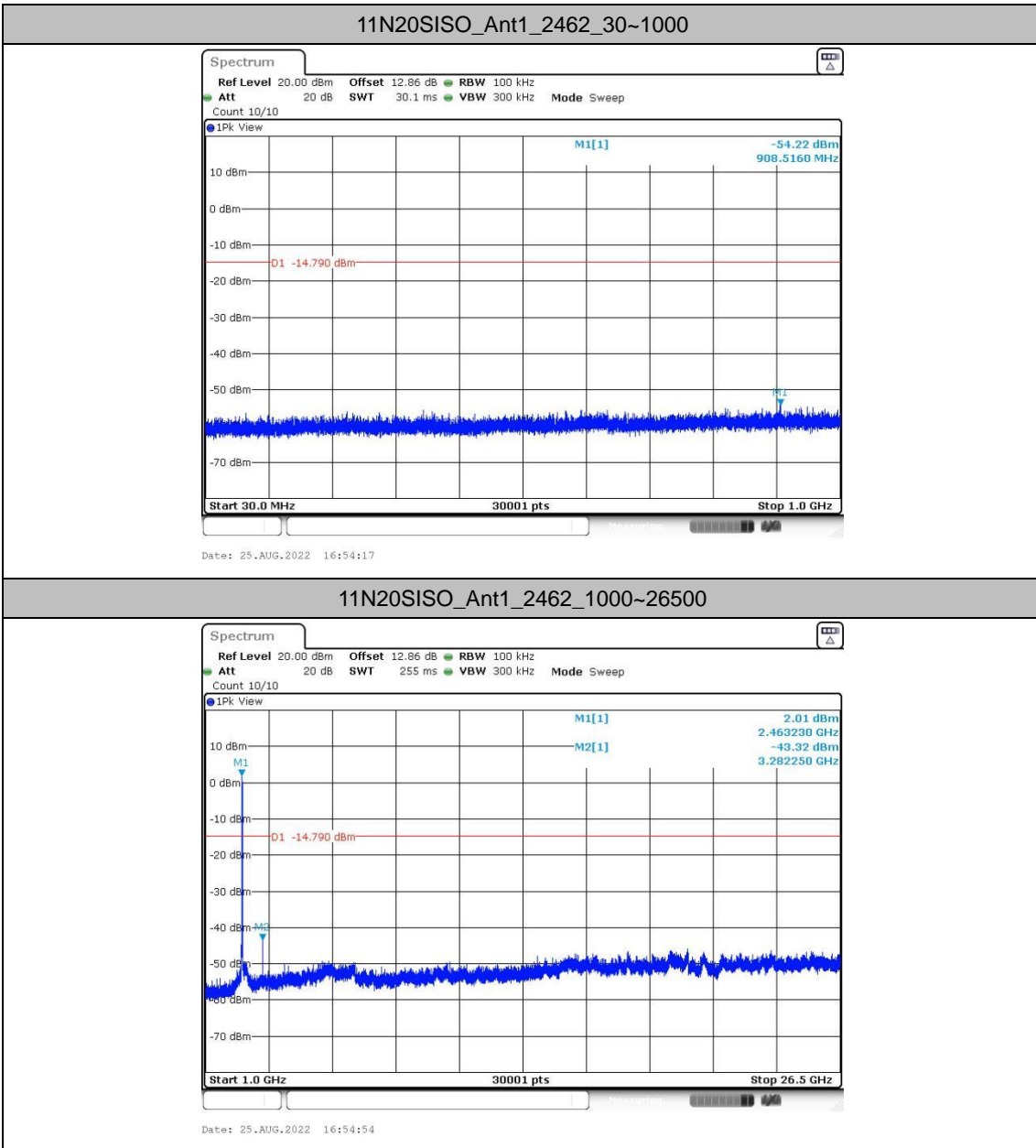


Date: 25.AUG.2022 16:52:02

11N20SISO\_Ant1\_2437\_1000~26500



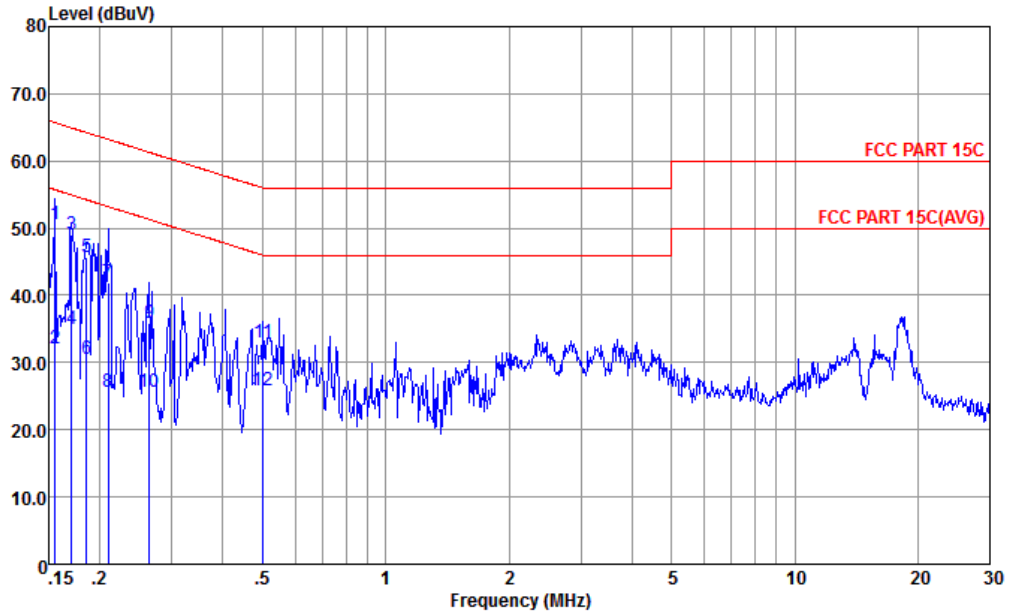
Date: 25.AUG.2022 16:52:39





## Appendix B. AC Conducted Emission Test Results

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

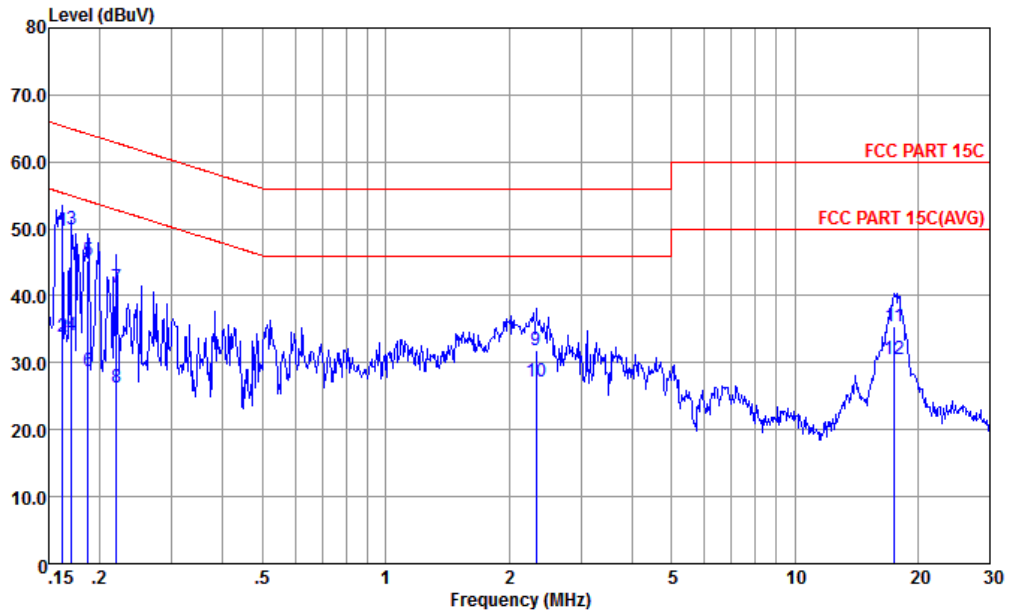


Site : CO01-KS  
 Condition : FCC PART 15C LISN-060105-L LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.156	50.69	-15.00	65.69	40.20	0.02	10.47	QP
2	0.156	32.09	-23.60	55.69	21.60	0.02	10.47	Average
3	0.170	48.96	-16.98	64.94	38.50	0.03	10.43	QP
4	0.170	34.96	-19.98	54.94	24.50	0.03	10.43	Average
5	0.185	45.63	-18.61	64.24	35.21	0.03	10.39	QP
6	0.185	30.63	-23.61	54.24	20.21	0.03	10.39	Average
7	0.209	41.90	-21.33	63.23	31.50	0.04	10.36	QP
8	0.209	25.60	-27.63	53.23	15.20	0.04	10.36	Average
9	0.264	35.89	-25.40	61.29	25.51	0.06	10.32	QP
10	0.264	25.59	-25.70	51.29	15.21	0.06	10.32	Average
11	0.502	32.94	-23.06	56.00	22.60	0.10	10.24	QP
12	0.502	25.94	-20.06	46.00	15.60	0.10	10.24	Average



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



Site : CO01-KS  
 Condition : FCC PART 15C LISN-060105-N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.162	49.75	-15.59	65.34	39.19	0.11	10.45	QP
2	0.162	33.85	-21.49	55.34	23.29	0.11	10.45	Average
3 *	0.170	49.83	-15.11	64.94	39.29	0.11	10.43	QP
4	0.170	34.03	-20.91	54.94	23.49	0.11	10.43	Average
5	0.187	45.29	-18.86	64.15	34.80	0.10	10.39	QP
6	0.187	28.69	-25.46	54.15	18.20	0.10	10.39	Average
7	0.220	41.25	-21.58	62.83	30.80	0.10	10.35	QP
8	0.220	26.25	-26.58	52.83	15.80	0.10	10.35	Average
9	2.334	31.98	-24.02	56.00	21.61	0.14	10.23	QP
10	2.334	27.28	-18.72	46.00	16.91	0.14	10.23	Average
11	17.568	35.47	-24.53	60.00	24.60	0.42	10.45	QP
12	17.568	30.47	-19.53	50.00	19.60	0.42	10.45	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

Channel	Power setting
11b CH01	1
11b CH06	6
11b CH11	12
11g CH01	7
11g CH06	0
11g CH11	12
11n20 CH01	4
11n20 CH06	0
11n20 CH11	11





2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11b CH 01 2412MHz		2386.44	55.16	-18.84	74	52.04	32.88	7.1	36.86	134	108	P	H
		2385.92	46.82	-7.18	54	43.7	32.88	7.1	36.86	134	108	A	H
	*	2414	109.04	-	-	105.86	32.9	7.13	36.85	134	108	P	H
	*	2412	106.61	-	-	103.43	32.9	7.13	36.85	134	108	A	H
		2387.09	53.82	-20.18	74	50.7	32.88	7.1	36.86	391	75	P	V
		2385.92	45.01	-8.99	54	41.89	32.88	7.1	36.86	391	75	A	V
	*	2412	106.29	-	-	103.11	32.9	7.13	36.85	391	75	P	V
	*	2412	103.74	-	-	100.56	32.9	7.13	36.85	391	75	A	V
802.11b CH 11 2462MHz		2483.68	58.23	-15.77	74	54.82	32.98	7.25	36.82	377	106	P	H
		2483.5	47.22	-6.78	54	43.81	32.98	7.25	36.82	377	106	A	H
	*	2462	108.89	-	-	105.54	32.96	7.22	36.83	377	106	P	H
	*	2462	106.31	-	-	102.96	32.96	7.22	36.83	377	106	A	H
		2488.18	57.32	-16.68	74	53.88	33	7.25	36.81	378	40	P	V
		2487.76	47.71	-6.29	54	44.27	33	7.25	36.81	378	40	A	V
	*	2462	107.01	-	-	103.66	32.96	7.22	36.83	378	40	P	V
	*	2462	104.44	-	-	101.09	32.96	7.22	36.83	378	40	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**2.4GHz 2400~2483.5MHz  
WIFI 802.11b (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11b CH 01 2412MHz		3210	56.29	-29.57	85.86	79.7	33.02	8.3	64.73	300	0	P	H
		4830	52.14	-21.86	74	73.07	34.2	10.25	65.38	100	118	P	H
		4830	50.57	-3.43	54	71.5	34.2	10.25	65.38	100	118	A	H
		3210	50.86	-32.36	83.22	74.27	33.02	8.3	64.73	100	0	P	V
		4830	45.93	-28.07	74	66.86	34.2	10.25	65.38	100	0	P	V
802.11b CH 06 2437MHz		3255	58.97	-26.48	85.45	82.31	33	8.37	64.71	300	0	P	H
		4875	52.18	-21.82	74	73.08	34.23	10.29	65.42	117	118	P	H
		4875	50.46	-3.54	54	71.36	34.23	10.29	65.42	117	118	A	H
		7305	44.83	-29.17	74	62.16	35.86	12.72	65.91	300	0	P	H
		3255	54.93	-25.79	80.72	78.27	33	8.37	64.71	100	0	P	V
		4875	46.39	-27.61	74	67.29	34.23	10.29	65.42	100	0	P	V
		7305	44.65	-29.35	74	61.98	35.86	12.72	65.91	100	0	P	V
802.11b CH 11 2462MHz		3285	56.34	-30.43	86.77	79.67	32.99	8.39	64.71	300	0	P	H
		4920	52.31	-21.69	74	73.16	34.26	10.34	65.45	100	119	P	H
		4920	50.45	-3.55	54	71.3	34.26	10.34	65.45	100	119	A	H
		7380	43.94	-30.06	74	61.44	35.88	12.73	66.11	300	0	P	H
		3285	52.23	-31.78	84.01	75.56	32.99	8.39	64.71	100	0	P	V
		4920	47.92	-26.08	74	68.77	34.26	10.34	65.45	100	0	P	V
		7380	43.31	-30.69	74	60.81	35.88	12.73	66.11	100	0	P	V

<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.
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**2.4GHz 2400~2483.5MHz  
WIFI 802.11g (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11g CH 01 2412MHz		2389.95	69.79	-4.21	74	66.67	32.88	7.1	36.86	134	110	P	H
		2389.95	52.3	-1.7	54	49.18	32.88	7.1	36.86	134	110	A	H
	*	2416	111.58	-	-	108.37	32.9	7.16	36.85	134	110	P	H
	*	2416	102.99	-	-	99.78	32.9	7.16	36.85	134	110	A	H
		2389.95	67.44	-6.56	74	64.32	32.88	7.1	36.86	392	74	P	V
		2389.95	50.55	-3.45	54	47.43	32.88	7.1	36.86	392	74	A	V
	*	2418	106.67	-	-	103.46	32.9	7.16	36.85	392	74	P	V
	*	2412	98.99	-	-	95.81	32.9	7.13	36.85	392	74	A	V
802.11g CH 11 2462MHz		2483.62	70.72	-3.28	74	67.31	32.98	7.25	36.82	100	102	P	H
		2483.5	52.69	-1.31	54	49.28	32.98	7.25	36.82	100	102	A	H
	*	2468	109.5	-	-	106.15	32.96	7.22	36.83	100	102	P	H
	*	2468	101.99	-	-	98.64	32.96	7.22	36.83	100	102	A	H
		2483.56	68.64	-5.36	74	65.23	32.98	7.25	36.82	387	16	P	V
		2483.5	51.62	-2.38	54	48.21	32.98	7.25	36.82	387	16	A	V
	*	2454	108.04	-	-	104.69	32.96	7.22	36.83	387	16	P	V
	*	2456	100.52	-	-	97.17	32.96	7.22	36.83	387	16	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**2.4GHz 2400~2483.5MHz  
WIFI 802.11g (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		3210	58.32	-22.85	81.17	81.73	33.02	8.3	64.73	300	0	P	H
		4830	47.62	-26.38	74	68.55	34.2	10.25	65.38	300	0	P	H
		3210	51.89	-22.12	74.01	75.3	33.02	8.3	64.73	100	0	P	V
		4830	43.78	-30.22	74	64.71	34.2	10.25	65.38	100	0	P	V
802.11g CH 06 2437MHz		3255	58.3	-23.52	81.82	81.64	33	8.37	64.71	300	0	P	H
		4875	50.36	-23.64	74	71.26	34.23	10.29	65.42	252	36	P	H
		4875	38.68	-15.32	54	59.58	34.23	10.29	65.42	252	36	A	H
		7305	50.49	-23.51	74	67.82	35.86	12.72	65.91	100	200	P	H
		3255	55.18	-23.34	78.52	78.52	33	8.37	64.71	100	0	P	V
		4875	45.91	-28.09	74	66.81	34.23	10.29	65.42	100	0	P	V
		7305	51	-23	74	68.33	35.86	12.72	65.91	158	331	P	V
		7305	39.6	-14.4	54	56.93	35.86	12.72	65.91	158	331	A	V
802.11g CH 11 2462MHz		3285	55.79	-24.27	80.06	79.12	32.99	8.39	64.71	300	0	P	H
		4920	48.03	-25.97	74	68.88	34.26	10.34	65.45	300	0	P	H
		7380	47.52	-26.48	74	65.02	35.88	12.73	66.11	300	0	P	H
		3285	51.92	-26.27	78.19	75.25	32.99	8.39	64.71	100	0	P	V
		4920	44.34	-29.66	74	65.19	34.26	10.34	65.45	100	0	P	V
			7380	46.23	-27.77	74	63.73	35.88	12.73	66.11	100	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT20 CH 01 2412MHz		2389.82	67.01	-6.99	74	63.89	32.88	7.1	36.86	135	110	P	H
		2389.95	52.06	-1.94	54	48.94	32.88	7.1	36.86	135	110	A	H
	*	2416	110.23	-	-	107.02	32.9	7.16	36.85	135	110	P	H
	*	2416	102.54	-	-	99.33	32.9	7.16	36.85	135	110	A	H
		2389.43	64.68	-9.32	74	61.56	32.88	7.1	36.86	392	73	P	V
		2389.95	50.03	-3.97	54	46.91	32.88	7.1	36.86	392	73	A	V
	*	2418	106.67	-	-	103.46	32.9	7.16	36.85	392	73	P	V
	*	2408	98.71	-	-	95.53	32.9	7.13	36.85	392	73	A	V
802.11n HT20 CH 11 2462MHz		2483.68	68.71	-5.29	74	65.3	32.98	7.25	36.82	100	103	P	H
		2483.5	52.53	-1.47	54	49.12	32.98	7.25	36.82	100	103	A	H
	*	2466	109.71	-	-	106.36	32.96	7.22	36.83	100	103	P	H
	*	2466	102.22	-	-	98.87	32.96	7.22	36.83	100	103	A	H
		2483.62	69.54	-4.46	74	66.13	32.98	7.25	36.82	378	26	P	V
		2483.5	52.9	-1.1	54	49.49	32.98	7.25	36.82	378	26	A	V
	*	2468	108.71	-	-	105.36	32.96	7.22	36.83	378	26	P	V
	*	2466	100.26	-	-	96.91	32.96	7.22	36.83	378	26	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		3210	58.01	-22.59	80.6	81.42	33.02	8.3	64.73	300	0	P	H
		4830	47.02	-26.98	74	67.95	34.2	10.25	65.38	300	0	P	H
		3210	52.03	-25.21	77.24	75.44	33.02	8.3	64.73	100	0	P	V
		4830	43.08	-30.92	74	64.01	34.2	10.25	65.38	100	0	P	V
802.11n HT20 CH 06 2437MHz		3255	59.48	-24.15	83.63	82.82	33	8.37	64.71	300	0	P	H
		4875	51.59	-22.41	74	72.49	34.23	10.29	65.42	106	118	P	H
		4875	41.12	-12.88	54	62.02	34.23	10.29	65.42	106	118	A	H
		7305	48.69	-25.31	74	66.02	35.86	12.72	65.91	300	0	P	H
		3255	54.95	-24.61	79.56	78.29	33	8.37	64.71	100	0	P	V
		4875	46.14	-27.86	74	67.04	34.23	10.29	65.42	100	0	P	V
802.11n HT20 CH 11 2462MHz		3285	56.87	-24.36	81.23	80.2	32.99	8.39	64.71	300	0	P	H
		4920	47.84	-26.16	74	68.69	34.26	10.34	65.45	300	0	P	H
		7380	46.66	-27.34	74	64.16	35.88	12.73	66.11	300	0	P	H
		3285	52.37	-27.34	79.71	75.7	32.99	8.39	64.71	100	0	P	V
		4920	43.74	-30.26	74	64.59	34.26	10.34	65.45	100	0	P	V
		7380	47.46	-26.54	74	64.96	35.88	12.73	66.11	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

WIFI Ant.	Note	Frequency	Level	Over Limit	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 )
2.4GHz 802.11g LF		120.21	28.81	-14.69	43.5	42.15	17.86	1.66	32.86	-	-	P	H
		191.99	27.82	-15.68	43.5	42.27	16.49	2.11	33.05	-	-	P	H
		320.03	30.14	-15.86	46	39.64	20.68	2.72	32.9	-	-	P	H
		456.8	23.28	-22.72	46	29.01	23.72	3.26	32.71	-	-	P	H
		632.37	25.95	-20.05	46	28.98	25.76	3.84	32.63	-	-	P	H
		820.55	29.11	-16.89	46	30.26	27.02	4.37	32.54	-	-	P	H
		34.85	26.88	-13.12	40	35.97	22.9	0.71	32.7	-	-	P	V
		76.56	22.42	-17.58	40	40.29	13.71	1.32	32.9	-	-	P	V
		120.21	23.16	-20.34	43.5	36.5	17.86	1.66	32.86	-	-	P	V
		191.99	21.66	-21.84	43.5	36.11	16.49	2.11	33.05	-	-	P	V
		320.03	20.99	-25.01	46	30.49	20.68	2.72	32.9	-	-	P	V
		670.2	27.71	-18.29	46	30.68	25.82	3.95	32.74	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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



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

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

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

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)  
= 55.45 (dBμV/m)
2. Over Limit(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 74(dBμV/m)  
= -18.55(dB)

**For Average Limit @ 2390MHz:**

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

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





## Appendix D. Radiated Spurious Emission Plots

### Note symbol

-L	Low channel location
-R	High channel location



2.4GHz 2400~2483.5MHz  
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																											
ANT	802.11g CH01 2412MHz																																																											
1	Horizontal	Fundamental																																																										
Peak	<p>Site: 030805-K3 Condition: FCC PART 15C 3m 3117 5W 75957 HORIZONTAL Project: RSM 1000.000KHz VSWR 3000.000KHz SRT Auto Mode: (FR)251806 Plane: X Full-directivity IPE1: #2 Powerstting: #7</p> <table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th>MHz</th> <th>dBm</th> <th>dBm</th> <th>dB</th> <th>cm</th> <th>deg</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1 1</td> <td>2389.95</td> <td>49.79</td> <td>-4.21</td> <td>74.00</td> <td>66.67</td> <td>32.88</td> <td>7.10</td> <td>36.86</td> <td>134</td> <td>110</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm	dBm	dB	cm	deg	cm	deg	1 1	2389.95	49.79	-4.21	74.00	66.67	32.88	7.10	36.86	134	110	Peak	HORIZONTAL	<p>Site: 030805-K3 Condition: FCC PART 15C 3m 3117 5W 75957 HORIZONTAL Project: RSM 1000.000KHz VSWR 3000.000KHz SRT Auto Mode: (FR)251806 Plane: X Full-directivity IPE1: #2 Powerstting: #7</p> <table border="1"> <thead> <tr> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th>MHz</th> <th>dBm</th> <th>dBm</th> <th>dB</th> <th>cm</th> <th>deg</th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1 *</td> <td>2416.00</td> <td>111.58</td> <td>37.58</td> <td>74.00</td> <td>108.37</td> <td>32.90</td> <td>7.10</td> <td>36.85</td> <td>134</td> <td>110</td> <td>Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm	dBm	dB	cm	deg	cm	deg	1 *	2416.00	111.58	37.58	74.00	108.37	32.90	7.10	36.85	134	110	Peak	HORIZONTAL
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WIFI 802.11b (Harmonic @ 3m)

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3	7305.00	44.06	-29.35	74.00	61.98	35.86	12.72	65.91	100	0	Peak	VERTICAL																																																																																																																				



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m																																																																																																																															
ANT	802.11b CH11 2462MHz																																																																																																																															
1	Horizontal	Vertical																																																																																																																														
Peak Avg.	<p>Site : 030805-K5            Condition : FCC PART 15C 3m 3117 5N 79957 HORIZONTAL            Project : FR251806            Mode : 9            Plane : 4            Full-directivity : 42            PowerSetting : 12</p> <table border="1"> <thead> <tr> <th>Peak</th> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Line</th> <th>Level Factor</th> <th>Loss Factor</th> <th>Antenna</th> <th>Cable</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3285.00</td> <td>56.34</td> <td>-88</td> <td>dBuV/m</td> <td>-88</td> <td>dB</td> <td>79.67</td> <td>32.99</td> <td>8.39</td> <td>64.71</td> <td>300</td> <td>0 Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>2</td> <td>4920.00</td> <td>62.31</td> <td>-71.69</td> <td>dBuV/m</td> <td>-71.69</td> <td>dB</td> <td>73.16</td> <td>34.26</td> <td>10.34</td> <td>66.45</td> <td>100</td> <td>119 Peak</td> <td>HORIZONTAL</td> </tr> <tr> <td>3</td> <td>4920.00</td> <td>50.45</td> <td>-73.25</td> <td>dBuV/m</td> <td>-73.25</td> <td>dB</td> <td>71.30</td> <td>34.26</td> <td>10.34</td> <td>66.45</td> <td>100</td> <td>119 Average</td> <td>HORIZONTAL</td> </tr> <tr> <td>4</td> <td>7380.00</td> <td>43.94</td> <td>-70.04</td> <td>dBuV/m</td> <td>-70.04</td> <td>dB</td> <td>61.44</td> <td>35.88</td> <td>12.73</td> <td>66.11</td> <td>300</td> <td>0 Peak</td> <td>HORIZONTAL</td> </tr> </tbody> </table>	Peak	Freq	Level	Limit	Line	Level Factor	Loss Factor	Antenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	1	3285.00	56.34	-88	dBuV/m	-88	dB	79.67	32.99	8.39	64.71	300	0 Peak	HORIZONTAL	2	4920.00	62.31	-71.69	dBuV/m	-71.69	dB	73.16	34.26	10.34	66.45	100	119 Peak	HORIZONTAL	3	4920.00	50.45	-73.25	dBuV/m	-73.25	dB	71.30	34.26	10.34	66.45	100	119 Average	HORIZONTAL	4	7380.00	43.94	-70.04	dBuV/m	-70.04	dB	61.44	35.88	12.73	66.11	300	0 Peak	HORIZONTAL	<p>Site : 030805-K5            Condition : FCC PART 15C 3m 3117 5N 79957 VERTICAL            Project : FR251806            Mode : 9            Plane : 4            Full-directivity : 42            PowerSetting : 12</p> <table border="1"> <thead> <tr> <th>Peak</th> <th>Freq</th> <th>Level</th> <th>Limit</th> <th>Line</th> <th>Level Factor</th> <th>Loss Factor</th> <th>Antenna</th> <th>Cable</th> <th>Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3285.00</td> <td>52.23</td> <td>-88</td> <td>dBuV/m</td> <td>-88</td> <td>dB</td> <td>75.56</td> <td>32.99</td> <td>8.39</td> <td>64.71</td> <td>100</td> <td>0 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>4920.00</td> <td>47.97</td> <td>-76.08</td> <td>dBuV/m</td> <td>-76.08</td> <td>dB</td> <td>68.77</td> <td>34.26</td> <td>10.34</td> <td>66.45</td> <td>100</td> <td>0 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>3</td> <td>7380.00</td> <td>43.31</td> <td>-70.69</td> <td>dBuV/m</td> <td>-70.69</td> <td>dB</td> <td>60.81</td> <td>35.88</td> <td>12.73</td> <td>66.11</td> <td>100</td> <td>0 Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	Peak	Freq	Level	Limit	Line	Level Factor	Loss Factor	Antenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	1	3285.00	52.23	-88	dBuV/m	-88	dB	75.56	32.99	8.39	64.71	100	0 Peak	VERTICAL	2	4920.00	47.97	-76.08	dBuV/m	-76.08	dB	68.77	34.26	10.34	66.45	100	0 Peak	VERTICAL	3	7380.00	43.31	-70.69	dBuV/m	-70.69	dB	60.81	35.88	12.73	66.11	100	0 Peak	VERTICAL
	Peak	Freq	Level	Limit	Line	Level Factor	Loss Factor	Antenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																																		
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Emission below 1GHz  
2.4GHz WIFI 802.11g (LF)

WIFI	2.4GHz 2400~2483.5MHz																																																																																																																																																																													
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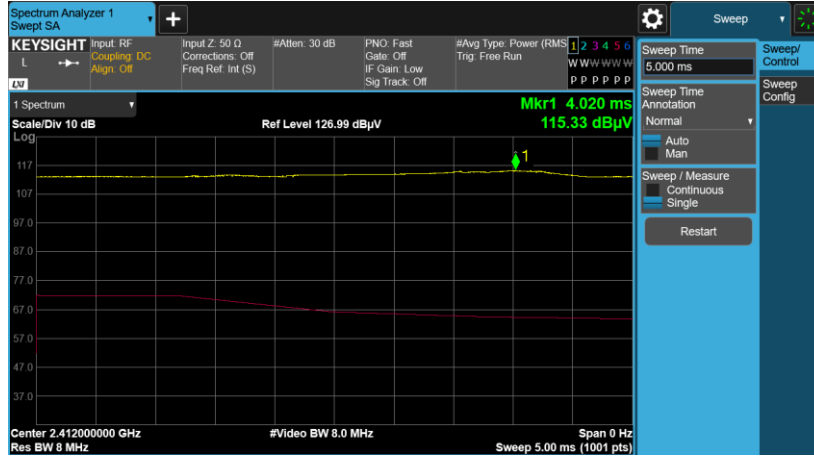


## Appendix E. Duty Cycle Plots

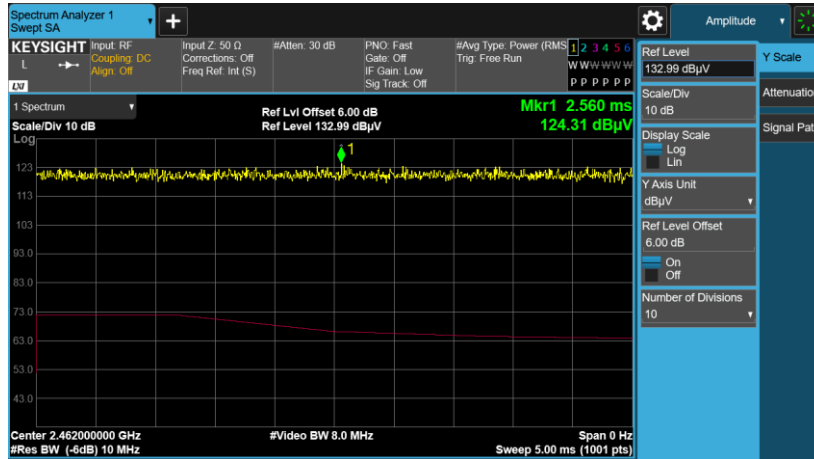
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11b	100	-	-	10Hz
802.11g	100	-	-	10Hz
802.11n HT20	100	-	-	10Hz



802.11b



802.11g





802.11n HT20

