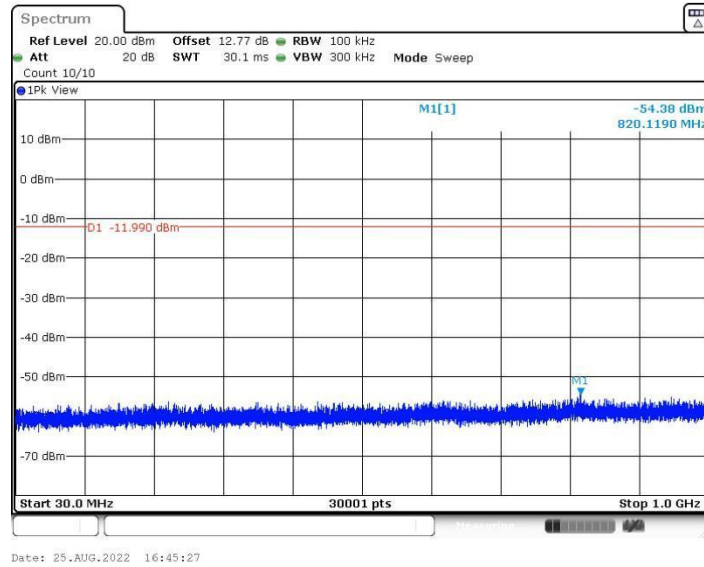
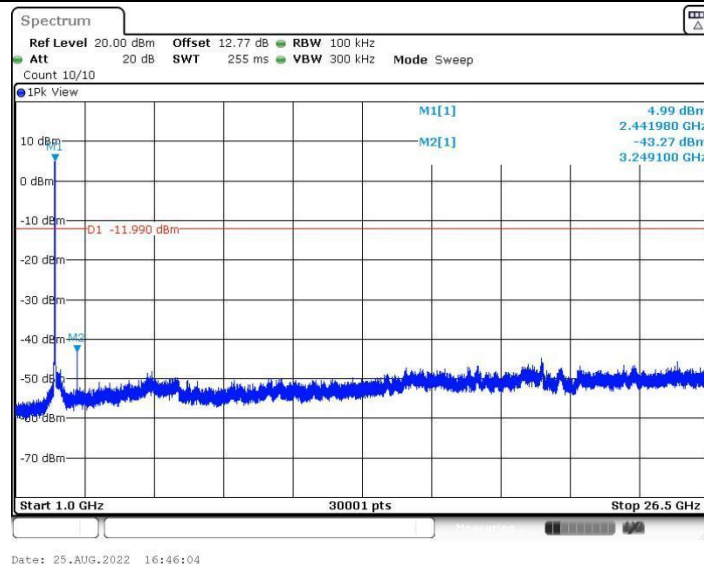




11G_Ant1_2437_30~1000

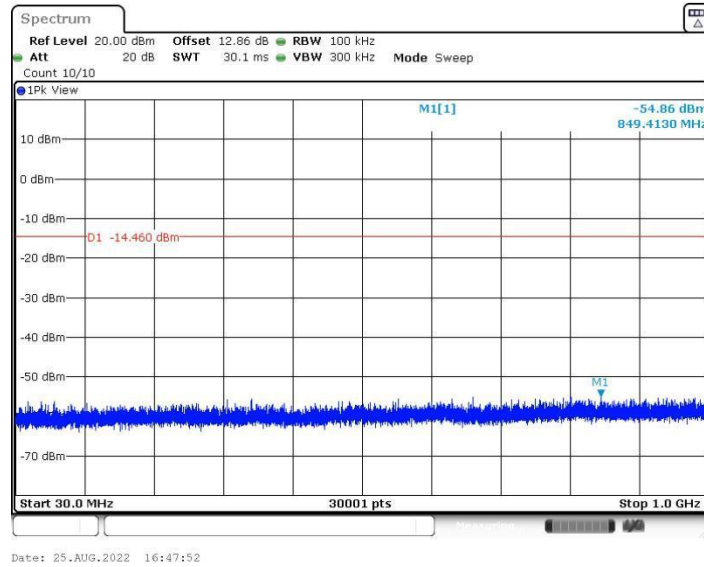


11G_Ant1_2437_1000~26500

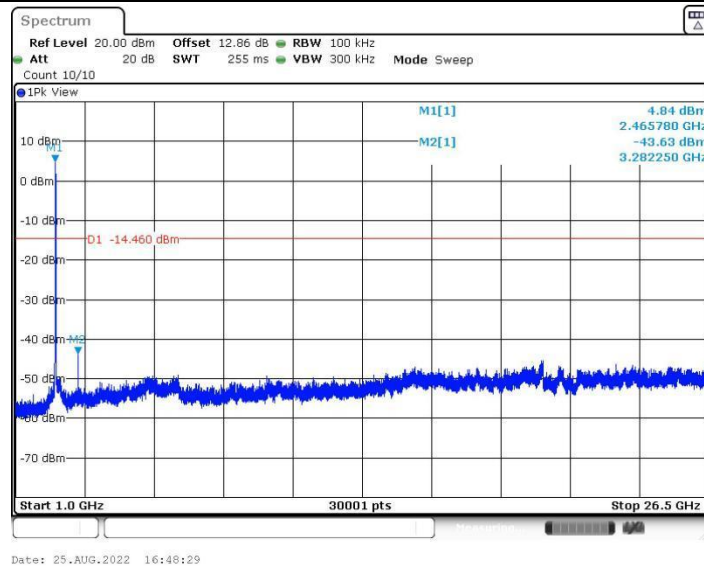




11G_Ant1_2462_30~1000

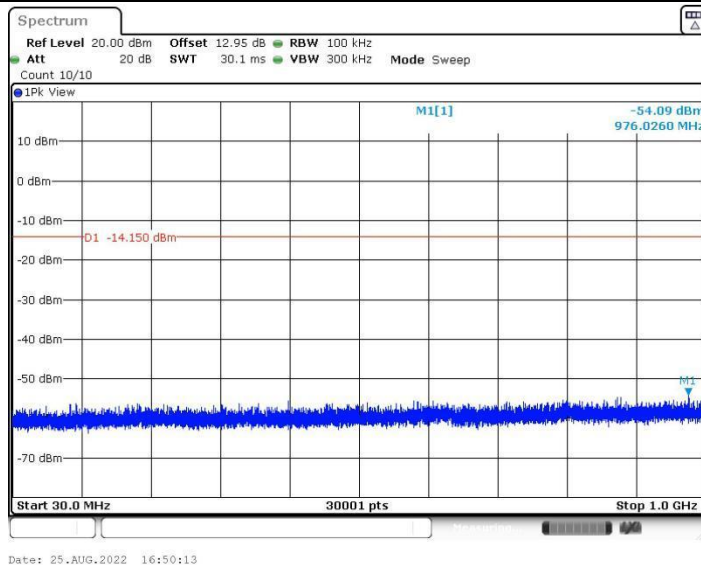


11G_Ant1_2462_1000~26500

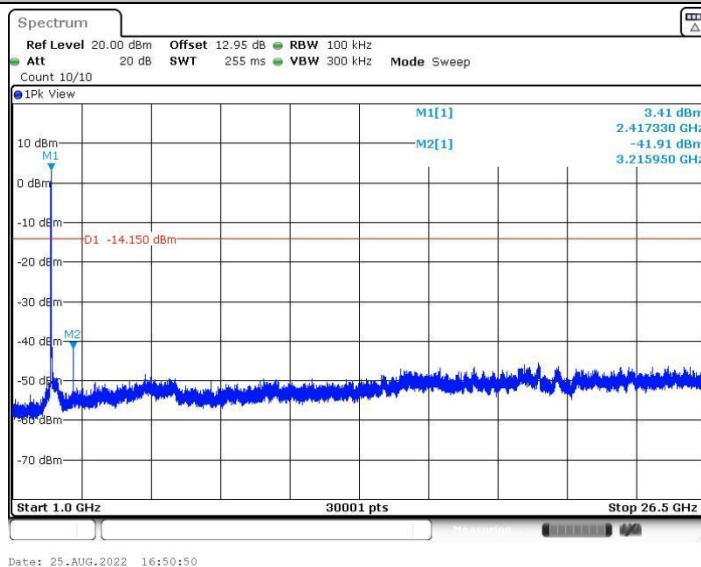




11N20SISO_Ant1_2412_30~1000

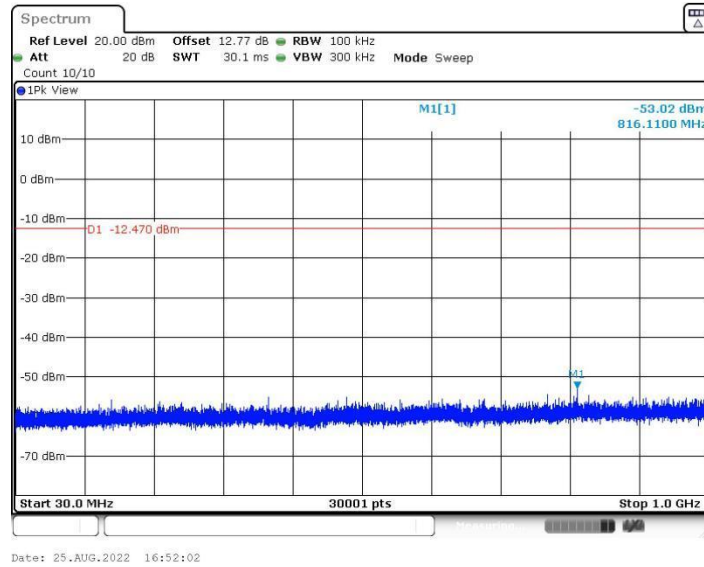


11N20SISO_Ant1_2412_1000~26500

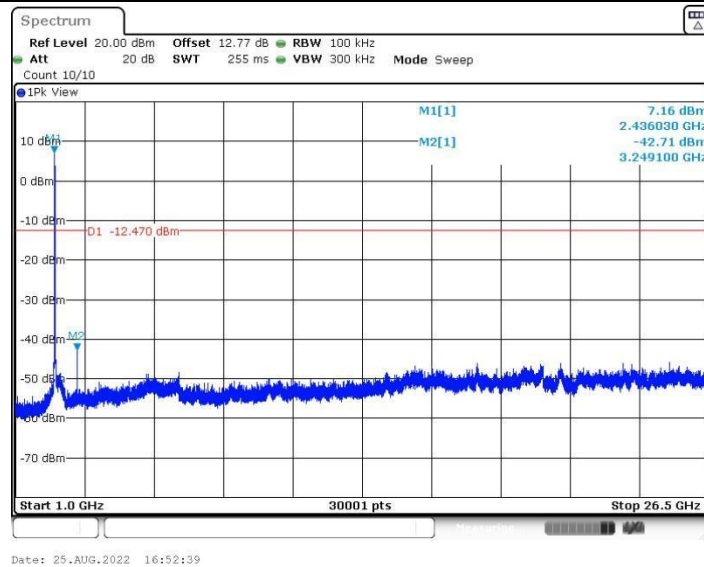




11N20SISO_Ant1_2437_30~1000

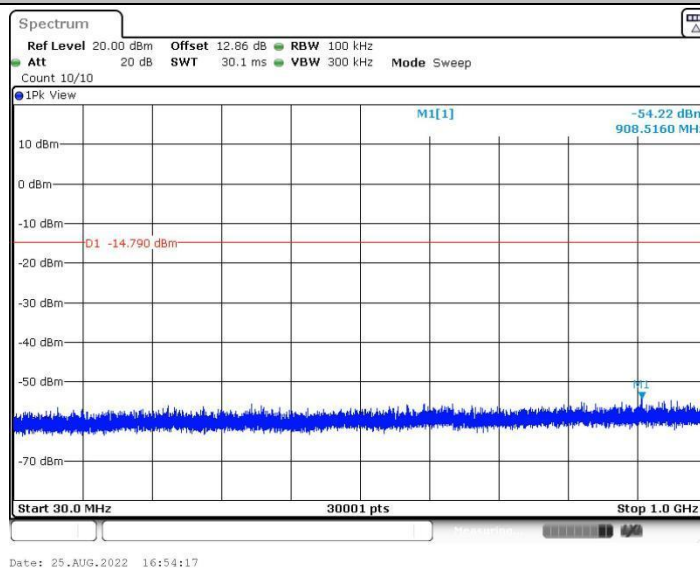


11N20SISO_Ant1_2437_1000~26500

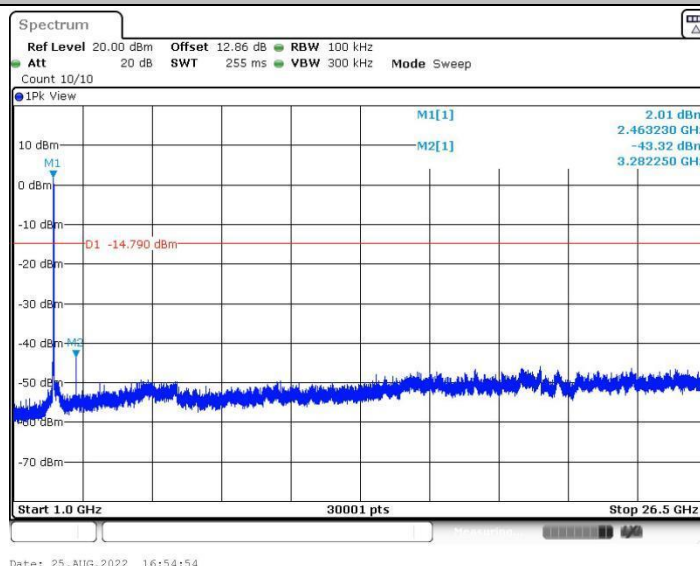




11N20SISO_Ant1_2462_30~1000



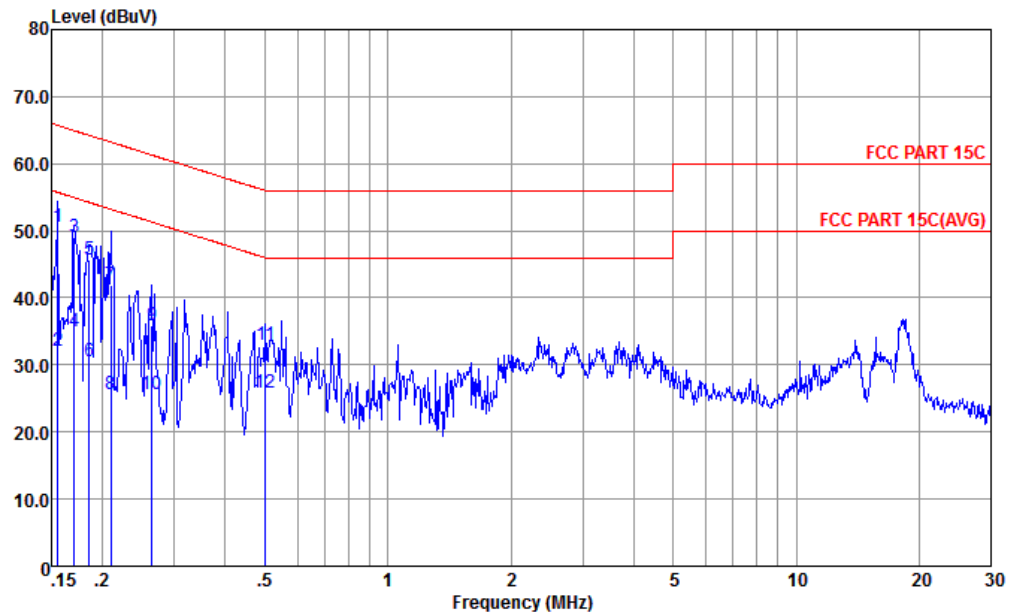
11N20SISO_Ant1_2462_1000~26500





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.		

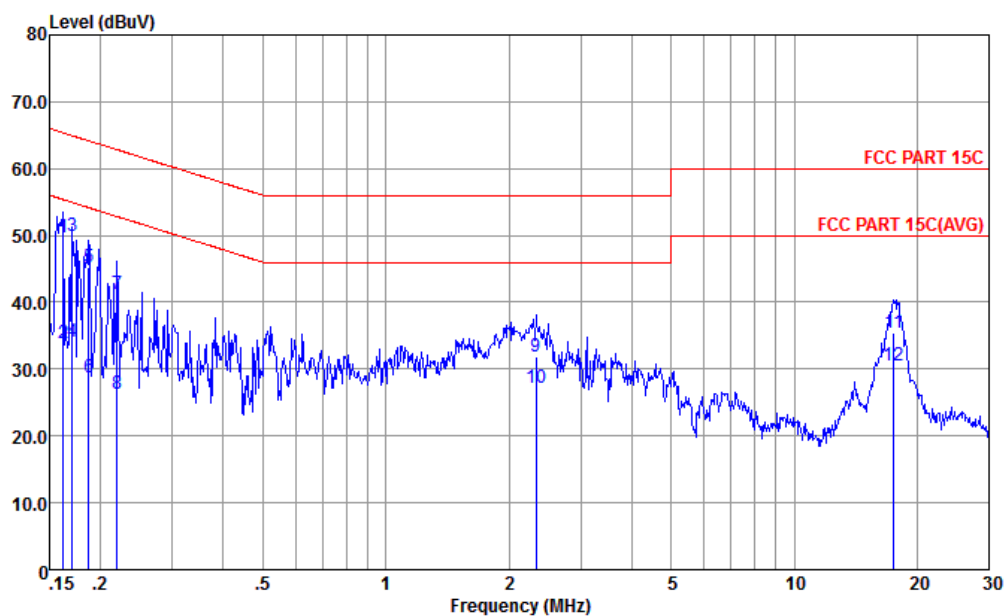


Site : CO01-KS
Condition : FCC PART 15C LISN-060105-L LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	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	-15.98	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	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			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
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 (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	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 (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.	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)
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
		7305	48.54	-25.46	74	65.87	35.86	12.72	65.91	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 1		(MHz)	(dBμV/m)	Limit (dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (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 over limit 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

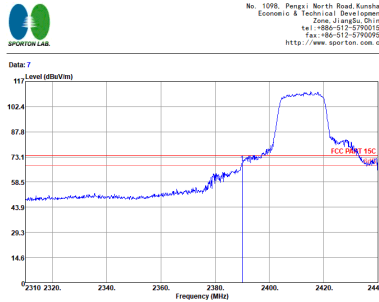
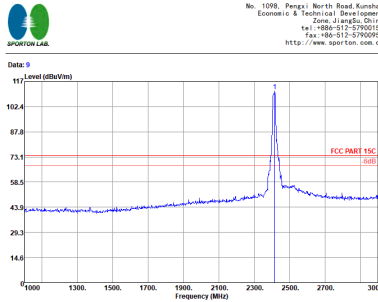
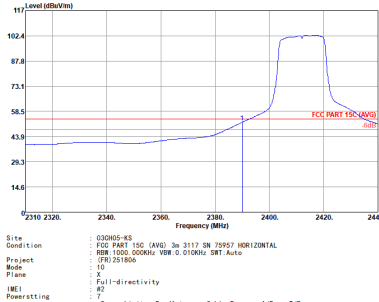
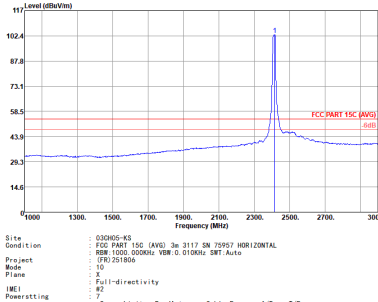
Note symbol

-L	Low channel location
-R	High channel location

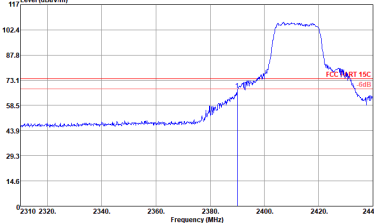
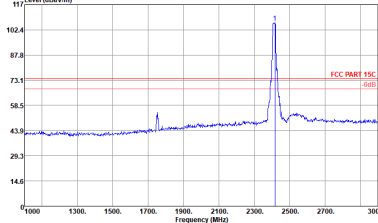
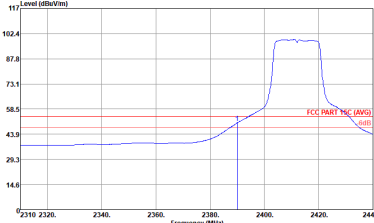
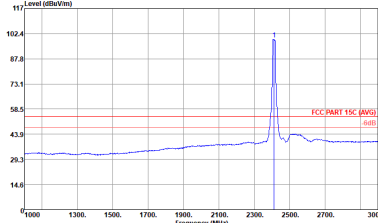


2.4GHz 2400~2483.5MHz

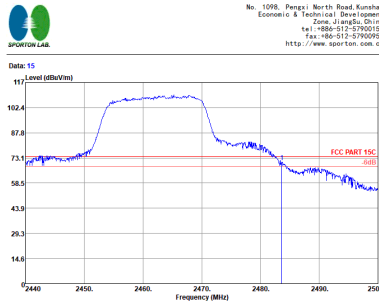
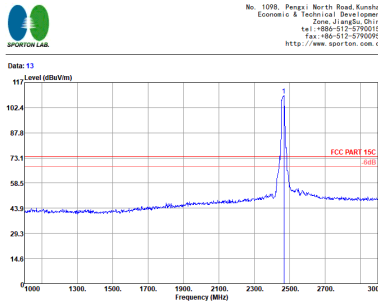
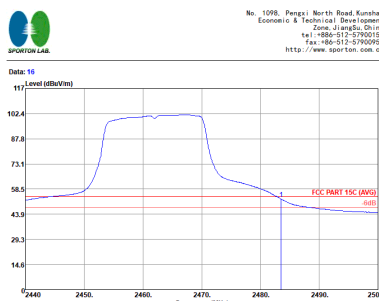
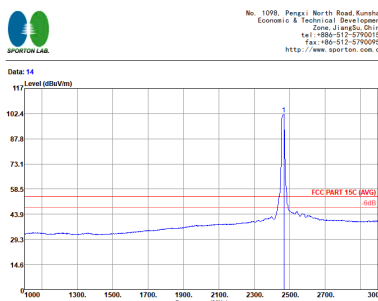
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																											
ANT	802.11g CH01 2412MHz																																																											
1	Horizontal	Fundamental																																																										
Peak	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-K5 Condition : FCC PART 15C 3e 3117 SN 75957 HORIZONTAL Project : RSR 1000 0000Hz VBR 3000 0000Hz SRT Auto Bode : (FR)251806 Plane : X Full-directivity : 2 Power setting : 27 <table><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>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>on</th><th>deg</th><th></th></tr><tr><td>1</td><td>2389.95</td><td>69.79</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></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	on	deg		1	2389.95	69.79	-4.21	74.00	66.67	32.88	7.10	36.86	134	110	Peak	HORIZONTAL	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-K5 Condition : FCC PART 15C 3e 3117 SN 75957 HORIZONTAL Project : RSR 1000 0000Hz VBR 3000 0000Hz SRT Auto Bode : (FR)251806 Plane : X Full-directivity : 2 Power setting : 27 <table><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>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>on</th><th>deg</th><th></th></tr><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>7.16</td><td>36.85</td><td>134</td><td>110</td><td>Peak</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	on	deg		1	2416.00	111.58	37.58	74.00	108.37	32.90	7.16	36.85	134	110	Peak	HORIZONTAL
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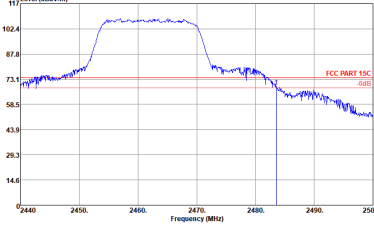
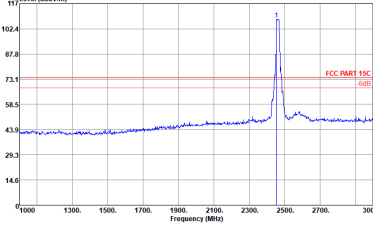
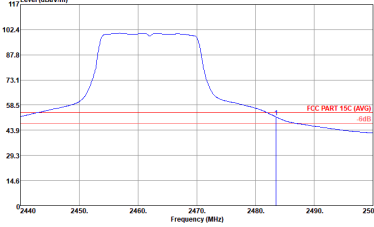
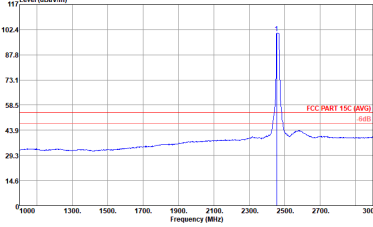


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																			
ANT	802.11g CH01 2412MHz																																																																			
1	Vertical	Fundamental																																																																		
Peak	 No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3e 3117 SN 79957 VERTICAL Project : RSM 1000.000MHz VSW:3000.000MHz SMT:Auto Bode : (FR)251806 Plane : 10 Full-directivity : 2 IMEI : PowerSetting : 67  <table><tr><th>IMEI</th><th>PowerSetting</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>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>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2389.95</td><td>67.44</td><td>-6.56</td><td>74.00</td><td>64.32</td><td>32.88</td><td>7.10</td><td>36.86</td><td>392</td><td>74 Peak VERTICAL</td></tr></table>	IMEI	PowerSetting	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm	dB	dBm	dB	dB	dB	cm	deg			1	2389.95	67.44	-6.56	74.00	64.32	32.88	7.10	36.86	392	74 Peak VERTICAL	 No. 1098, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3e 3117 SN 79957 VERTICAL Project : RSM 1000.000MHz VSW:3000.000MHz SMT:Auto Bode : (FR)251806 Plane : 10 Full-directivity : 2 IMEI : PowerSetting : 67  <table><tr><th>IMEI</th><th>PowerSetting</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>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>dB</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2418.00</td><td>106.67</td><td>32.67</td><td>74.00</td><td>103.66</td><td>32.90</td><td>7.16</td><td>36.85</td><td>392</td><td>74 Peak VERTICAL</td></tr></table>	IMEI	PowerSetting	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm	dB	dBm	dB	dB	dB	cm	deg			1	2418.00	106.67	32.67	74.00	103.66	32.90	7.16	36.85	392	74 Peak VERTICAL
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WIFI		2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																																																																																																																	
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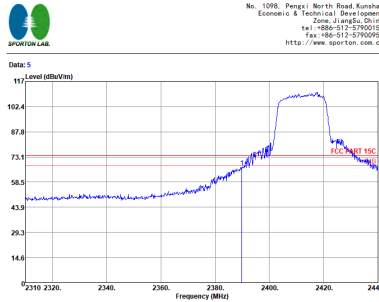
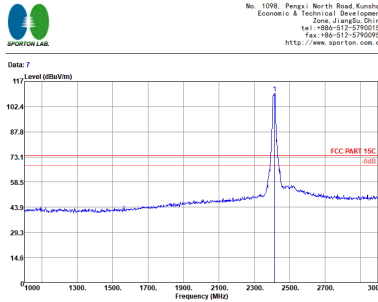
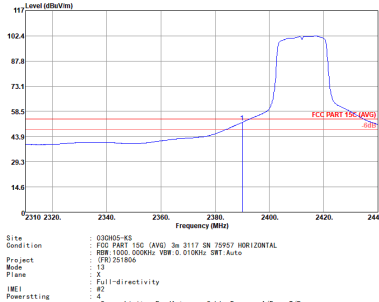
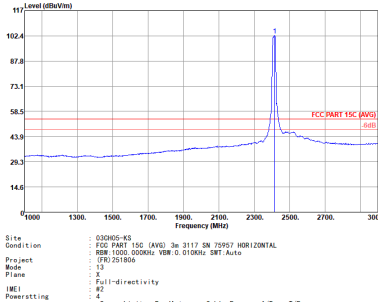


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																																																																																						
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Peak	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 19  Site : 030905-KS Condition : FCC PART 15C 3m 3117 SN 79957 VERTICAL Project : RSM 1000.000MHz VSW:3000.000MHz SMT:Auto Bode : (FR)251806 Plane : 12 Polar : Full-directivity PowerRating : 12 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100m</th><th>dB</th><th>dBm/100m</th><th>dBm/100m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2483.56</td><td>68.64</td><td>-5.36</td><td>74.00</td><td>65.23</td><td>32.98</td><td>7.25</td><td>36.82</td><td>387</td><td>16 Peak VERTICAL</td></tr></table>  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 17  Site : 030905-KS Condition : FCC PART 15C 3m 3117 SN 79957 VERTICAL Project : RSM 1000.000MHz VSW:3000.000MHz SMT:Auto Bode : (FR)251806 Plane : 12 Polar : Full-directivity PowerRating : 12 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100m</th><th>dB</th><th>dBm/100m</th><th>dBm/100m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2456.00</td><td>108.04</td><td>34.04</td><td>74.00</td><td>104.69</td><td>32.96</td><td>7.22</td><td>36.83</td><td>387</td><td>16 Peak VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100m	dB	dBm/100m	dBm/100m	dB	dB	cm	deg			1	2483.56	68.64	-5.36	74.00	65.23	32.98	7.25	36.82	387	16 Peak VERTICAL	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100m	dB	dBm/100m	dBm/100m	dB	dB	cm	deg			1	2456.00	108.04	34.04	74.00	104.69	32.96	7.22	36.83	387	16 Peak VERTICAL	Avg.	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 20  Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3117 SN 79957 VERTICAL Project : RSM 1000.000MHz VSW:3.010MHz SMT:Auto Bode : (FR)251806 Plane : 12 Polar : Full-directivity PowerRating : 12 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100m</th><th>dB</th><th>dBm/100m</th><th>dBm/100m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2483.50</td><td>51.62</td><td>-2.38</td><td>54.00</td><td>48.21</td><td>32.98</td><td>7.25</td><td>36.82</td><td>387</td><td>16 Average VERTICAL</td></tr></table>  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 18  Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3117 SN 79957 VERTICAL Project : RSM 1000.000MHz VSW:3.010MHz SMT:Auto Bode : (FR)251806 Plane : 12 Polar : Full-directivity PowerRating : 12 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100m</th><th>dB</th><th>dBm/100m</th><th>dBm/100m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2456.00</td><td>100.52</td><td>46.52</td><td>54.00</td><td>97.17</td><td>32.96</td><td>7.22</td><td>36.83</td><td>387</td><td>16 Average VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100m	dB	dBm/100m	dBm/100m	dB	dB	cm	deg			1	2483.50	51.62	-2.38	54.00	48.21	32.98	7.25	36.82	387	16 Average VERTICAL	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100m	dB	dBm/100m	dBm/100m	dB	dB	cm	deg			1	2456.00	100.52	46.52	54.00	97.17	32.96	7.22	36.83	387	16 Average VERTICAL
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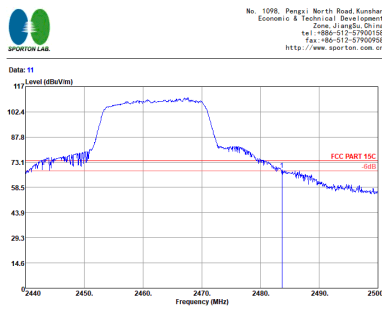
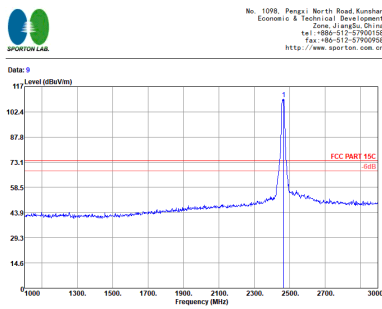
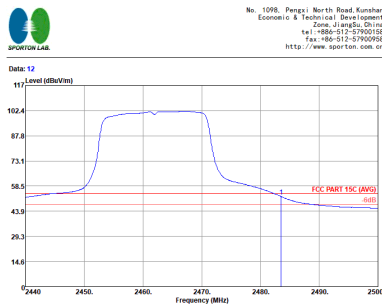
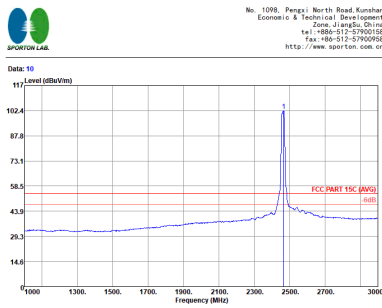
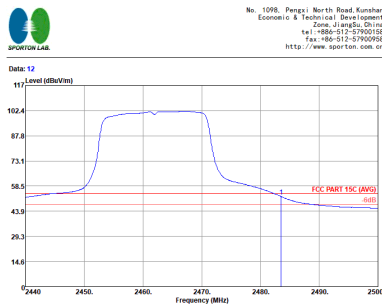
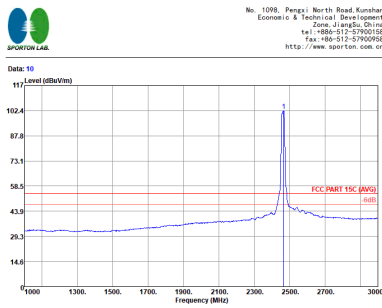
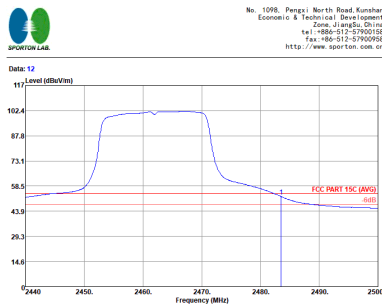
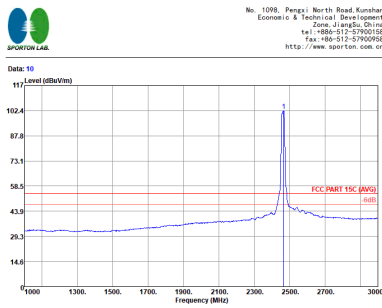


2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																											
ANT	802.11n HT20 CH01 2412MHz																																																											
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Avg.	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-K5 Condition : FCC PART 15C (AVG) 3m 3117 SN 75957 HORIZONTAL Project : RSR 1000 0000Hz VSR 3000 0000Hz SRT Auto Bode : (FR)251806 Plane : 13 Full-directivity : 2 Power setting : 4 <table><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>dBm</th><th>dBm/Vm</th><th>dBm</th><th>dBm</th><th>dB</th><th>dB</th><th>deg</th><th></th></tr><tr><td>1</td><td>2389.95</td><td>52.06</td><td>-1.94</td><td>54.00</td><td>48.94</td><td>32.88</td><td>7.10</td><td>36.86</td><td>135</td><td>110</td><td>Average</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	dBm	dBm/Vm	dBm	dBm	dB	dB	deg		1	2389.95	52.06	-1.94	54.00	48.94	32.88	7.10	36.86	135	110	Average	HORIZONTAL	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-K5 Condition : FCC PART 15C (AVG) 3m 3117 SN 75957 HORIZONTAL Project : RSR 1000 0000Hz VSR 3000 0000Hz SRT Auto Bode : (FR)251806 Plane : 13 Full-directivity : 2 Power setting : 4 <table><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>dBm</th><th>dBm/Vm</th><th>dBm</th><th>dBm</th><th>dB</th><th>dB</th><th>deg</th><th></th></tr><tr><td>1</td><td>2416.00</td><td>102.54</td><td>48.54</td><td>54.00</td><td>99.33</td><td>32.90</td><td>7.16</td><td>36.85</td><td>135</td><td>110</td><td>Average</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	dBm	dBm/Vm	dBm	dBm	dB	dB	deg		1	2416.00	102.54	48.54	54.00	99.33	32.90	7.16	36.85	135	110	Average	HORIZONTAL
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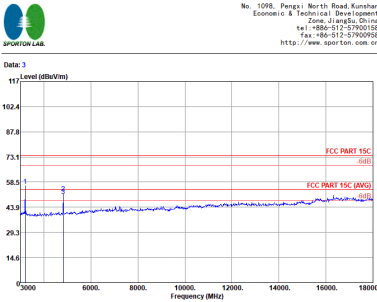
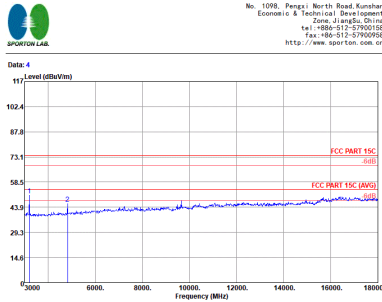


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m		
ANT	802.11n HT20 CH11 2462MHz		
1	Horizontal	Fundamental	
Peak	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn SPORTON LAB. Date: 11 Level (dBm/100kHz) 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 2440 2450 2460 2470 2480 2490 2500 Frequency (MHz) FCC PART 15C (dBm) Site : 030905-KS Condition : FCC PART 15C 3m 3117 SN 79957 HORIZONTAL Project : RBM 1000.000MHz VSW: 3000.000MHz SMT Auto Mode : FRU251806 Plane : 15 Full-directivity PowerSetting : 42 Power : 11 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas dBm/100kHz dBm/100kHz dBm/100kHz dB dB cm deg 1 1 2483.68 68.71 -5.29 74.00 65.30 32.98 7.25 36.82 100 103 Peak HORIZONTAL  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn SPORTON LAB. Date: 9 Level (dBm/100kHz) 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 1300 1500 1700 1900 2100 2300 2500 2700 2900 3000 Frequency (MHz) FCC PART 15C (dBm) Site : 030905-KS Condition : FCC PART 15C 3m 3117 SN 79957 HORIZONTAL Project : RBM 1000.000MHz VSW: 3000.000MHz SMT Auto Mode : FRU251806 Plane : 15 Full-directivity PowerSetting : 42 Power : 11 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas dBm/100kHz dBm/100kHz dBm/100kHz dB dB cm deg 1 1 2466.00 109.71 35.71 74.00 106.36 32.96 7.22 36.83 100 103 Peak HORIZONTAL <tr><td rowspan="2">Avg.</td><td>  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn SPORTON LAB. Date: 12 Level (dBm/100kHz) 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 2440 2450 2460 2470 2480 2490 2500 Frequency (MHz) FCC PART 15C (AVG) (dBm) Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3117 SN 79957 HORIZONTAL Project : RBM 1000.000MHz VSW: 3.010MHz SMT Auto Mode : FRU251806 Plane : 15 Full-directivity PowerSetting : 42 Power : 11 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas dBm/100kHz dBm/100kHz dBm/100kHz dB dB cm deg 1 1 2483.50 52.53 -1.47 54.00 49.12 32.98 7.25 36.82 100 103 Average HORIZONTAL  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn SPORTON LAB. Date: 10 Level (dBm/100kHz) 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 1300 1500 1700 1900 2100 2300 2500 2700 2900 3000 Frequency (MHz) FCC PART 15C (AVG) (dBm) Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3117 SN 79957 HORIZONTAL Project : RBM 1000.000MHz VSW: 3.010MHz SMT Auto Mode : FRU251806 Plane : 15 Full-directivity PowerSetting : 42 Power : 11 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas dBm/100kHz dBm/100kHz dBm/100kHz dB dB cm deg 1 1 2466.00 102.22 48.22 54.00 98.87 32.96 7.22 36.83 100 103 Average HORIZONTAL </td></tr>	Avg.	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn SPORTON LAB. Date: 12 Level (dBm/100kHz) 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 2440 2450 2460 2470 2480 2490 2500 Frequency (MHz) FCC PART 15C (AVG) (dBm) Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3117 SN 79957 HORIZONTAL Project : RBM 1000.000MHz VSW: 3.010MHz SMT Auto Mode : FRU251806 Plane : 15 Full-directivity PowerSetting : 42 Power : 11 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas dBm/100kHz dBm/100kHz dBm/100kHz dB dB cm deg 1 1 2483.50 52.53 -1.47 54.00 49.12 32.98 7.25 36.82 100 103 Average HORIZONTAL  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn SPORTON LAB. Date: 10 Level (dBm/100kHz) 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 1300 1500 1700 1900 2100 2300 2500 2700 2900 3000 Frequency (MHz) FCC PART 15C (AVG) (dBm) Site : 030905-KS Condition : FCC PART 15C (AVG) 3m 3117 SN 79957 HORIZONTAL Project : RBM 1000.000MHz VSW: 3.010MHz SMT Auto Mode : FRU251806 Plane : 15 Full-directivity PowerSetting : 42 Power : 11 Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas dBm/100kHz dBm/100kHz dBm/100kHz dB dB cm deg 1 1 2466.00 102.22 48.22 54.00 98.87 32.96 7.22 36.83 100 103 Average HORIZONTAL
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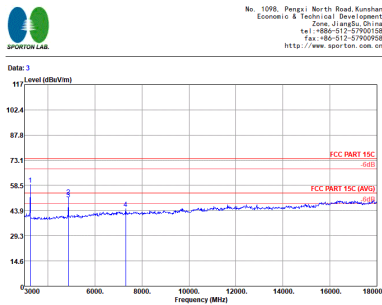
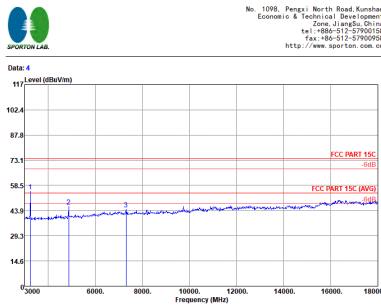


2.4GHz 2400~2483.5MHz

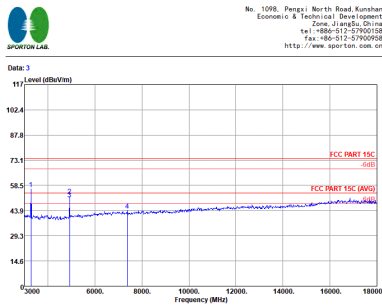
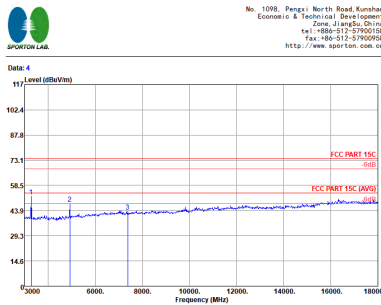
WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m																																																																																																								
ANT	802.11b CH01 2412MHz																																																																																																								
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Peak	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57900158 Fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3m 3117 SN TSP01 HORIZONTAL Project : R08 1000.000kHz VER:3000.000kHz SRT:Auto Mode : 7 Plane : 2 Full-directivity Polarization : 02 Power setting : 1 <table><thead><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>3210.00</td><td>56.39</td><td>79.70</td><td>33.02</td><td>8.30</td><td>64.73</td><td>300</td><td>0</td><td>Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>4830.00</td><td>52.14</td><td>-71.86</td><td>74.00</td><td>73.07</td><td>34.20</td><td>10.25</td><td>65.38</td><td>118</td><td>Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>4830.00</td><td>50.07</td><td>-73.43</td><td>54.00</td><td>71.50</td><td>34.20</td><td>10.25</td><td>65.38</td><td>118</td><td>Average</td><td>HORIZONTAL</td></tr></tbody></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dB	dB	dB	dB	dB	dB	deg	1	3210.00	56.39	79.70	33.02	8.30	64.73	300	0	Peak	HORIZONTAL	2	4830.00	52.14	-71.86	74.00	73.07	34.20	10.25	65.38	118	Peak	HORIZONTAL	3	4830.00	50.07	-73.43	54.00	71.50	34.20	10.25	65.38	118	Average	HORIZONTAL	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57900158 Fax: +86-512-57900958 http://www.sporton.com.cn Site : 030905-KS Condition : FCC PART 15C 3m 3117 SN TSP01 VERTICAL Project : R08 1000.000kHz VER:3000.000kHz SRT:Auto Mode : 7 Plane : 2 Full-directivity Polarization : 02 Power setting : 1 <table><thead><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>3210.00</td><td>50.86</td><td>74.77</td><td>33.02</td><td>8.30</td><td>64.73</td><td>100</td><td>0</td><td>Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>4830.00</td><td>45.93</td><td>-28.07</td><td>74.00</td><td>66.86</td><td>34.20</td><td>10.25</td><td>65.38</td><td>100</td><td>0</td><td>Peak</td><td>VERTICAL</td></tr></tbody></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dB	dB	dB	dB	dB	dB	deg	1	3210.00	50.86	74.77	33.02	8.30	64.73	100	0	Peak	VERTICAL	2	4830.00	45.93	-28.07	74.00	66.86	34.20	10.25	65.38	100	0	Peak	VERTICAL
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																															
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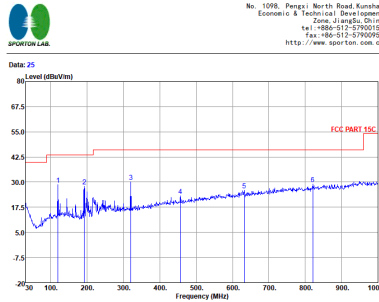
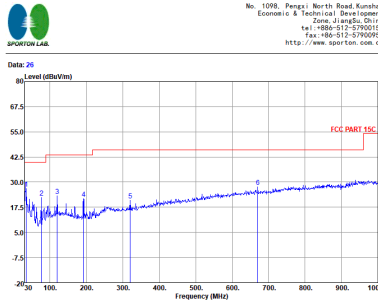
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Peak Avg.	 Site : 030905-K5 Condition : FCC PART 15C 3m 3117 5N 70957 HORIZONTAL Project : RBW 1000.000KHz VBW 3000.000KHz SMT Auto Bode : FRF251806 Plane : 8 Polar : Full-directivity IMEI : 82 PowerSetting : 0 <table><tr><th>Freq</th><th>Level</th><th>Over Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Poa</th><th>T/Poa</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dB</th><th>dBm/Hz</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr><tr><td>1</td><td>3255.00</td><td>58.97</td><td>82.31</td><td>33.00</td><td>8.37</td><td>64.71</td><td>300</td><td>0 Peak</td><td>HORIZONT</td></tr><tr><td>2</td><td>4875.00</td><td>52.18</td><td>-21.82</td><td>74.00</td><td>73.08</td><td>34.23</td><td>10.29</td><td>60.42</td><td>117 118 Peak</td><td>HORIZONT</td></tr><tr><td>3</td><td>4875.00</td><td>50.46</td><td>-23.54</td><td>54.00</td><td>71.36</td><td>34.73</td><td>10.29</td><td>60.42</td><td>117 118 Average</td><td>HORIZONT</td></tr><tr><td>4</td><td>7305.00</td><td>44.83</td><td>-29.17</td><td>74.00</td><td>62.16</td><td>35.86</td><td>12.72</td><td>60.91</td><td>300</td><td>0 Peak</td><td>HORIZONT</td></tr></table>	Freq	Level	Over Limit	ReadAntenna	Cable Preamp	A/Poa	T/Poa	Remark	Pol/Phas	MHz	dBm/Hz	dB	dBm/Hz	dB	dB	dB	dB	deg	1	3255.00	58.97	82.31	33.00	8.37	64.71	300	0 Peak	HORIZONT	2	4875.00	52.18	-21.82	74.00	73.08	34.23	10.29	60.42	117 118 Peak	HORIZONT	3	4875.00	50.46	-23.54	54.00	71.36	34.73	10.29	60.42	117 118 Average	HORIZONT	4	7305.00	44.83	-29.17	74.00	62.16	35.86	12.72	60.91	300	0 Peak	HORIZONT	 Site : 030905-K5 Condition : FCC PART 15C 3m 3117 5N 70957 VERTICAL Project : RBW 1000.000KHz VBW 3000.000KHz SMT Auto Bode : FRF251806 Plane : 8 Polar : Full-directivity IMEI : 82 PowerSetting : 0 <table><tr><th>Freq</th><th>Level</th><th>Over Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Poa</th><th>T/Poa</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dB</th><th>dBm/Hz</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr><tr><td>1</td><td>3255.00</td><td>54.93</td><td>78.77</td><td>33.00</td><td>8.37</td><td>64.71</td><td>100</td><td>0 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>4875.00</td><td>46.29</td><td>-27.61</td><td>74.00</td><td>67.29</td><td>34.23</td><td>10.29</td><td>60.42</td><td>100</td><td>0 Peak</td><td>VERTICAL</td></tr><tr><td>3</td><td>7305.00</td><td>44.64</td><td>-29.36</td><td>74.00</td><td>61.98</td><td>35.86</td><td>12.72</td><td>60.91</td><td>100</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over Limit	ReadAntenna	Cable Preamp	A/Poa	T/Poa	Remark	Pol/Phas	MHz	dBm/Hz	dB	dBm/Hz	dB	dB	dB	dB	deg	1	3255.00	54.93	78.77	33.00	8.37	64.71	100	0 Peak	VERTICAL	2	4875.00	46.29	-27.61	74.00	67.29	34.23	10.29	60.42	100	0 Peak	VERTICAL	3	7305.00	44.64	-29.36	74.00	61.98	35.86	12.72	60.91	100	0 Peak	VERTICAL
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1	3255.00	54.93	78.77	33.00	8.37	64.71	100	0 Peak	VERTICAL																																																																																																											
2	4875.00	46.29	-27.61	74.00	67.29	34.23	10.29	60.42	100	0 Peak	VERTICAL																																																																																																									
3	7305.00	44.64	-29.36	74.00	61.98	35.86	12.72	60.91	100	0 Peak	VERTICAL																																																																																																									



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m																																																																																																																				
ANT	802.11b CH11 2462MHz																																																																																																																				
1	Horizontal	Vertical																																																																																																																			
Peak Avg.	 Site : 030905-K5 Condition : FCC PART 15C 3m 3117 SN 70957 HORIZONTAL Project : RBW 1000.000KHz VBW 3000.000KHz SMT Auto PRF 251806 Mode : F Plane : E Full-directivity : 1 IMEI : 82 Power setting : 12 <table><thead><tr><th>Freq</th><th>Level</th><th>Over Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dB</th><th>dBm/Hz</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>3285.00</td><td>56.34</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>52.91</td><td>-21.69</td><td>74.00</td><td>73.16</td><td>34.26</td><td>10.34</td><td>60.45</td><td>100</td><td>119 Peak</td></tr><tr><td>3</td><td>4920.00</td><td>50.45</td><td>-3.55</td><td>54.00</td><td>71.30</td><td>34.26</td><td>10.34</td><td>60.45</td><td>100</td><td>119 Average</td></tr><tr><td>4</td><td>7380.00</td><td>43.94</td><td>-30.06</td><td>74.00</td><td>61.44</td><td>35.88</td><td>12.73</td><td>66.11</td><td>300</td><td>0 Peak</td></tr></tbody></table>	Freq	Level	Over Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Hz	dB	dBm/Hz	dB	dB	dB	dB	dB	deg	1	3285.00	56.34	79.67	32.99	8.39	64.71	300	0 Peak	HORIZONTAL	2	4920.00	52.91	-21.69	74.00	73.16	34.26	10.34	60.45	100	119 Peak	3	4920.00	50.45	-3.55	54.00	71.30	34.26	10.34	60.45	100	119 Average	4	7380.00	43.94	-30.06	74.00	61.44	35.88	12.73	66.11	300	0 Peak	 Site : 030905-K5 Condition : FCC PART 15C 3m 3117 SN 70957 VERTICAL Project : RBW 1000.000KHz VBW 3000.000KHz SMT Auto PRF 251806 Mode : F Plane : E Full-directivity : 1 IMEI : 82 Power setting : 12 <table><thead><tr><th>Freq</th><th>Level</th><th>Over Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dB</th><th>dBm/Hz</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>3285.00</td><td>52.23</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>-26.08</td><td>74.00</td><td>68.77</td><td>34.26</td><td>10.34</td><td>60.45</td><td>100</td><td>0 Peak</td></tr><tr><td>3</td><td>7380.00</td><td>43.31</td><td>-30.69</td><td>74.00</td><td>60.81</td><td>35.88</td><td>12.73</td><td>66.11</td><td>100</td><td>0 Peak</td></tr></tbody></table>	Freq	Level	Over Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Hz	dB	dBm/Hz	dB	dB	dB	dB	dB	deg	1	3285.00	52.23	75.56	32.99	8.39	64.71	100	0 Peak	VERTICAL	2	4920.00	47.97	-26.08	74.00	68.77	34.26	10.34	60.45	100	0 Peak	3	7380.00	43.31	-30.69	74.00	60.81	35.88	12.73	66.11	100	0 Peak
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Emission below 1GHz
2.4GHz WIFI 802.11g (LF)

WIFI	2.4GHz 2400~2483.5MHz																																																																																																																																																													
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QP / Peak	 Site : 030905-KS Condition : FCC PART 15C 3m CBLA1110 SMT3108 HORIZONTAL Project : 88W 100.000KHz VSW:300.000KHz SMT Auto Mode : 12 Battery : 1 Full-directivity IME1 : #2 <table><tr><th>Freq</th><th>Level</th><th>Over 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>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cn</th><th>deg</th></tr><tr><td>1</td><td>120.21</td><td>28.81</td><td>-14.49</td><td>43.50</td><td>42.15</td><td>17.86</td><td>1.66</td><td>32.86</td><td>--- Peak HORIZONTAL</td></tr><tr><td>2</td><td>191.99</td><td>27.82</td><td>-15.68</td><td>43.50</td><td>42.27</td><td>16.49</td><td>2.11</td><td>33.05</td><td>--- Peak HORIZONTAL</td></tr><tr><td>3</td><td>320.03</td><td>30.14</td><td>-13.86</td><td>44.00</td><td>39.64</td><td>25.68</td><td>7.72</td><td>32.90</td><td>--- Peak HORIZONTAL</td></tr><tr><td>4</td><td>458.80</td><td>23.38</td><td>-22.72</td><td>44.00</td><td>29.01</td><td>23.72</td><td>3.26</td><td>32.71</td><td>--- Peak HORIZONTAL</td></tr><tr><td>5</td><td>632.27</td><td>25.95</td><td>-20.05</td><td>44.00</td><td>28.98</td><td>25.76</td><td>3.84</td><td>32.43</td><td>--- Peak HORIZONTAL</td></tr><tr><td>6</td><td>820.55</td><td>29.11</td><td>-16.89</td><td>44.00</td><td>30.26</td><td>27.02</td><td>4.37</td><td>32.54</td><td>--- Peak HORIZONTAL</td></tr></table>	Freq	Level	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	cn	deg	1	120.21	28.81	-14.49	43.50	42.15	17.86	1.66	32.86	--- Peak HORIZONTAL	2	191.99	27.82	-15.68	43.50	42.27	16.49	2.11	33.05	--- Peak HORIZONTAL	3	320.03	30.14	-13.86	44.00	39.64	25.68	7.72	32.90	--- Peak HORIZONTAL	4	458.80	23.38	-22.72	44.00	29.01	23.72	3.26	32.71	--- Peak HORIZONTAL	5	632.27	25.95	-20.05	44.00	28.98	25.76	3.84	32.43	--- Peak HORIZONTAL	6	820.55	29.11	-16.89	44.00	30.26	27.02	4.37	32.54	--- Peak HORIZONTAL	 Site : 030905-KS Condition : FCC PART 15C 3m CBLA1110 SMT3108 VERTICAL Project : 88W 100.000KHz VSW:300.000KHz SMT Auto Mode : 12 Battery : 1 Full-directivity IME1 : #2 PowerSetting <table><tr><th>Freq</th><th>Level</th><th>Over 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>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>cn</th><th>deg</th></tr><tr><td>1</td><td>34.85</td><td>26.88</td><td>-12.12</td><td>40.00</td><td>35.97</td><td>22.90</td><td>0.71</td><td>32.70</td><td>--- Peak VERTICAL</td></tr><tr><td>2</td><td>76.56</td><td>22.42</td><td>-17.58</td><td>40.00</td><td>40.79</td><td>13.71</td><td>1.32</td><td>32.90</td><td>--- Peak VERTICAL</td></tr><tr><td>3</td><td>120.21</td><td>23.16</td><td>-20.34</td><td>43.50</td><td>36.50</td><td>17.86</td><td>1.66</td><td>32.86</td><td>--- Peak VERTICAL</td></tr><tr><td>4</td><td>191.99</td><td>21.64</td><td>-21.84</td><td>43.50</td><td>36.11</td><td>16.49</td><td>2.11</td><td>33.05</td><td>--- Peak VERTICAL</td></tr><tr><td>5</td><td>320.03</td><td>20.99</td><td>-25.01</td><td>44.00</td><td>30.49</td><td>25.68</td><td>7.72</td><td>32.90</td><td>--- Peak VERTICAL</td></tr><tr><td>6</td><td>458.80</td><td>27.71</td><td>-18.29</td><td>44.00</td><td>30.48</td><td>25.68</td><td>3.95</td><td>32.74</td><td>--- Peak VERTICAL</td></tr></table>	Freq	Level	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dB	dB	dB	cn	deg	1	34.85	26.88	-12.12	40.00	35.97	22.90	0.71	32.70	--- Peak VERTICAL	2	76.56	22.42	-17.58	40.00	40.79	13.71	1.32	32.90	--- Peak VERTICAL	3	120.21	23.16	-20.34	43.50	36.50	17.86	1.66	32.86	--- Peak VERTICAL	4	191.99	21.64	-21.84	43.50	36.11	16.49	2.11	33.05	--- Peak VERTICAL	5	320.03	20.99	-25.01	44.00	30.49	25.68	7.72	32.90	--- Peak VERTICAL	6	458.80	27.71	-18.29	44.00	30.48	25.68	3.95	32.74	--- Peak VERTICAL
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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

