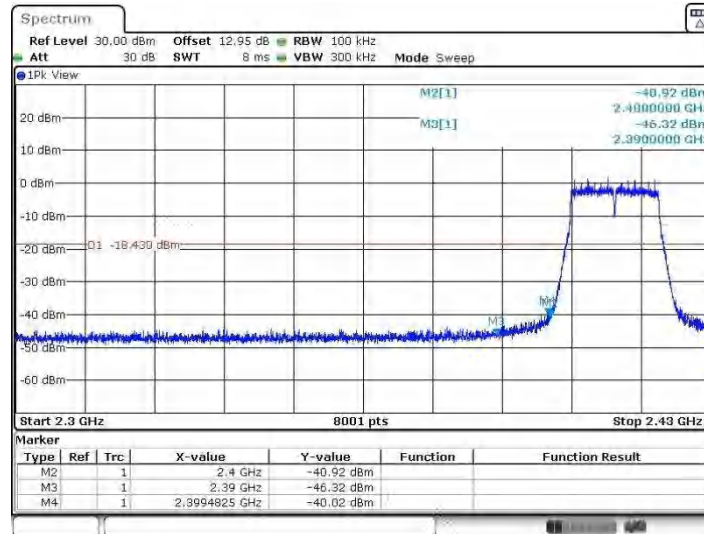
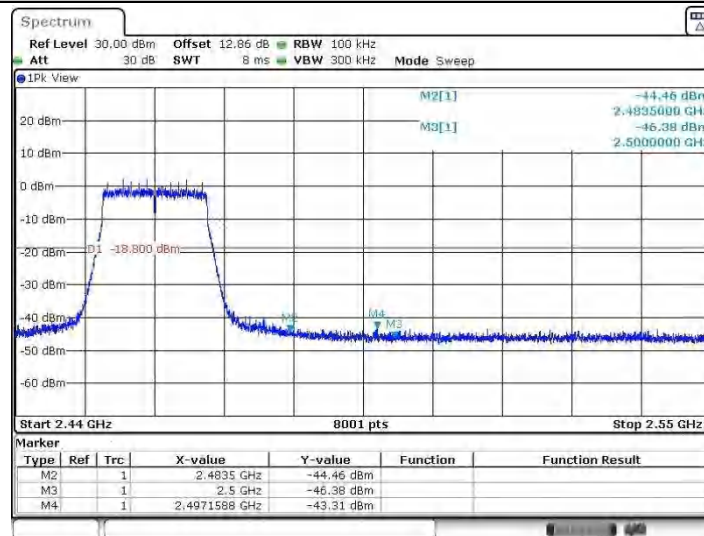




11G_Ant1_Low_2412

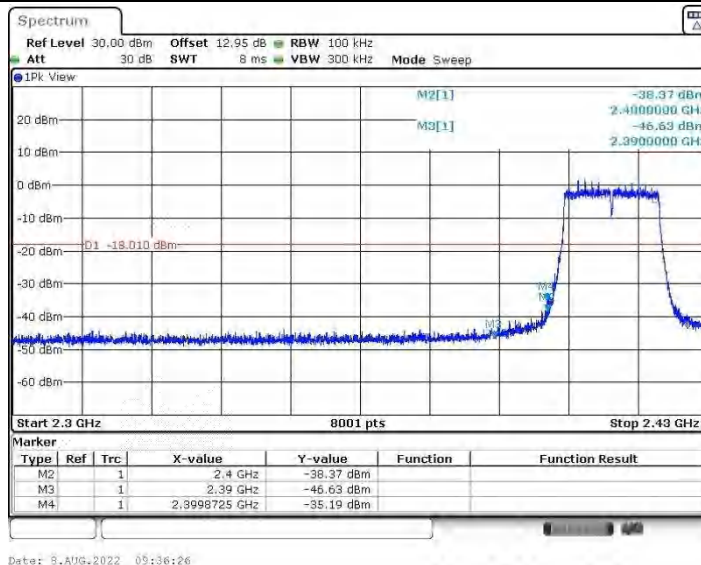


11G_Ant1_High_2462

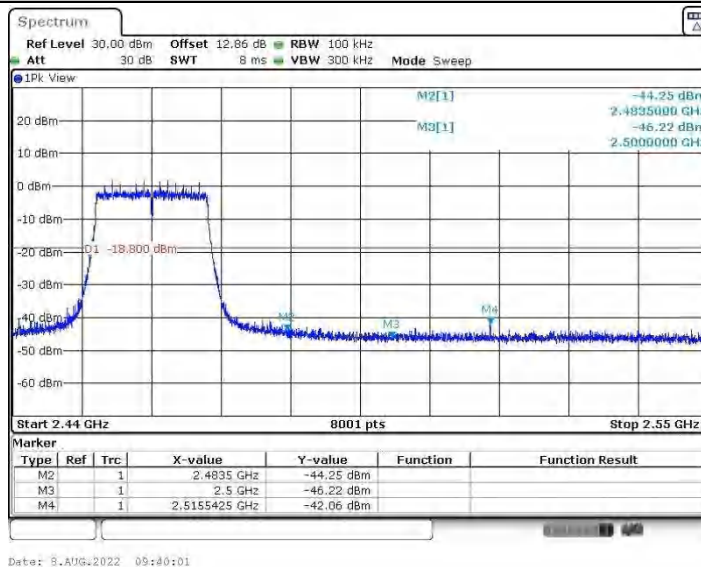




11N20SISO_Ant1_Low_2412

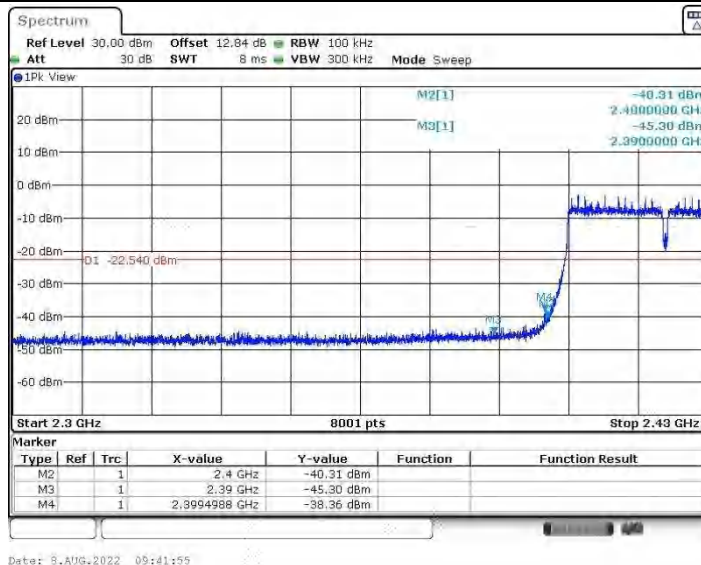


11N20SISO_Ant1_High_2462

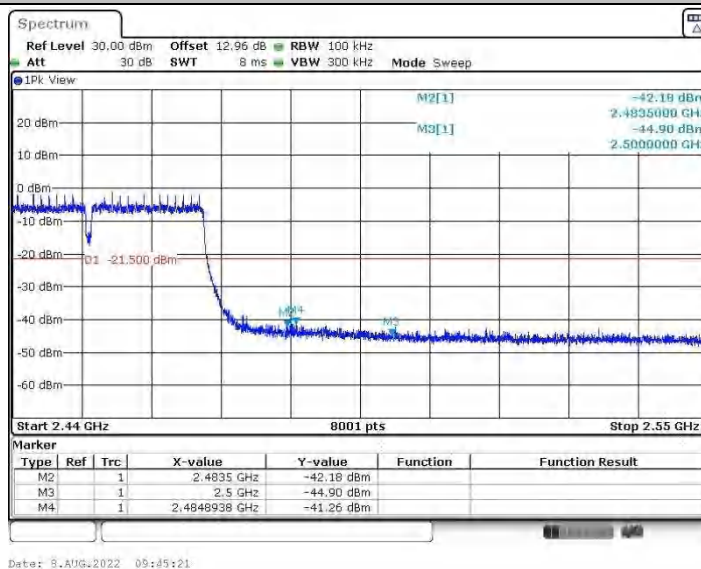




11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



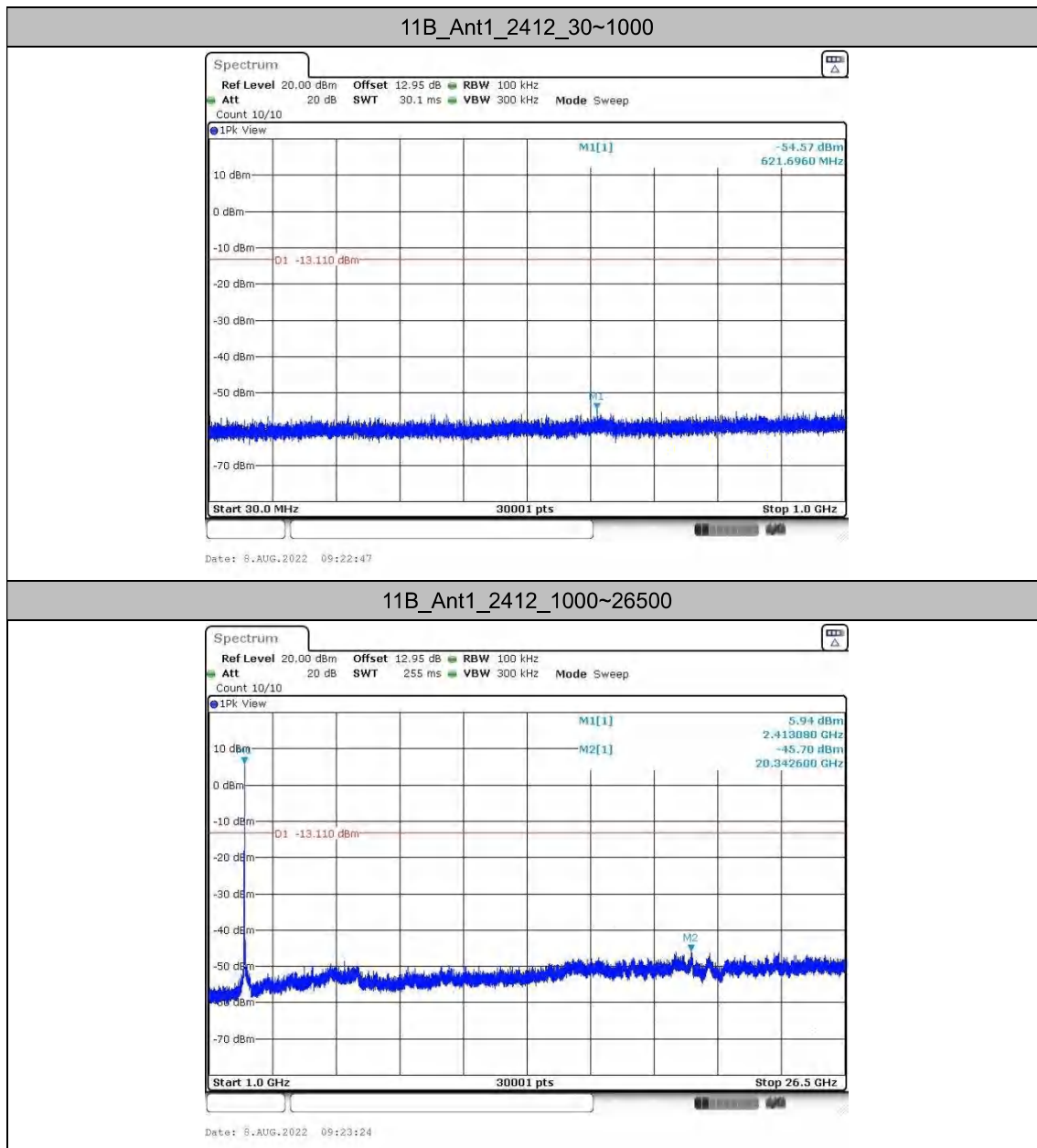
Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	6.89	-54.57	≤-13.11	PASS
			1000~26500	6.89	-45.7	≤-13.11	PASS
		2437	30~1000	4.71	-55.06	≤-15.29	PASS
			1000~26500	4.71	-46.15	≤-15.29	PASS
		2462	30~1000	4.54	-53.99	≤-15.46	PASS
			1000~26500	4.54	-45.74	≤-15.46	PASS
11G	Ant1	2412	30~1000	1.57	-54.84	≤-18.43	PASS
			1000~26500	1.57	-46.05	≤-18.43	PASS
		2437	30~1000	4.53	-54.97	≤-15.47	PASS
			1000~26500	4.53	-46.14	≤-15.47	PASS
		2462	30~1000	1.20	-55.51	≤-18.8	PASS
			1000~26500	1.20	-45.47	≤-18.8	PASS
11N20SISO	Ant1	2412	30~1000	1.99	-54.7	≤-18.01	PASS
			1000~26500	1.99	-46.47	≤-18.01	PASS
		2437	30~1000	5.01	-55.3	≤-14.99	PASS
			1000~26500	5.01	-46.59	≤-14.99	PASS
		2462	30~1000	1.20	-54.55	≤-18.8	PASS
			1000~26500	1.20	-45.83	≤-18.8	PASS
11N40SISO	Ant1	2422	30~1000	-2.54	-51.89	≤-22.54	PASS
			1000~26500	-2.54	-46.02	≤-22.54	PASS
		2437	30~1000	-0.31	-46.86	≤-20.31	PASS
			1000~26500	-0.31	-46.4	≤-20.31	PASS
		2452	30~1000	-1.50	-47.71	≤-21.5	PASS
			1000~26500	-1.50	-45.96	≤-21.5	PASS

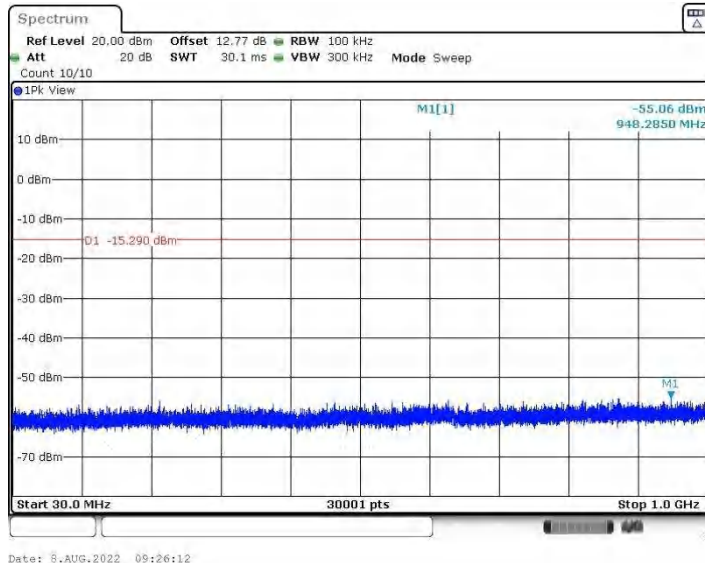


Test Graphs

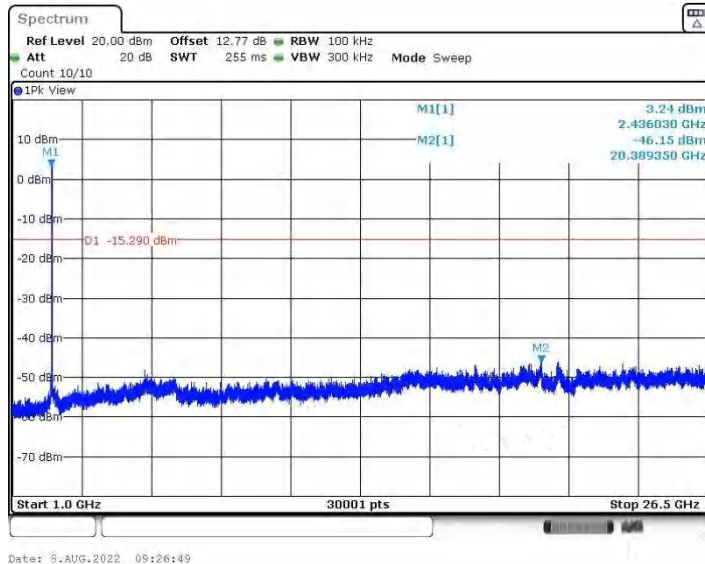




11B_Ant1_2437_30~1000

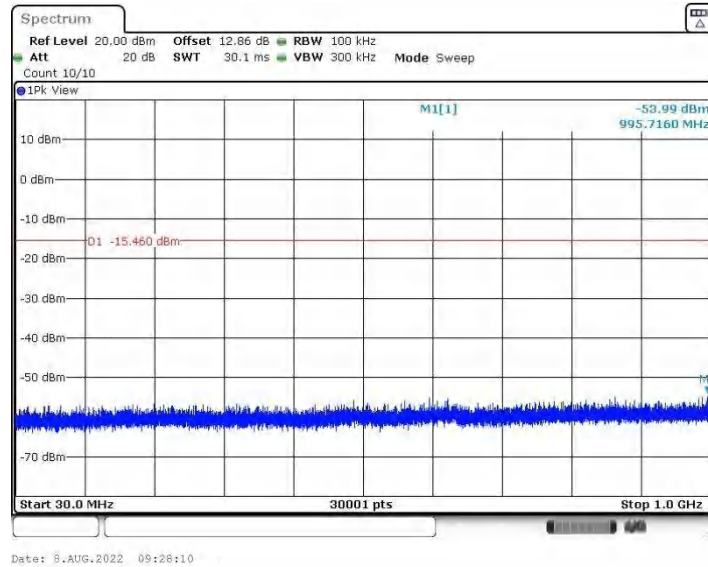


11B_Ant1_2437_1000~26500



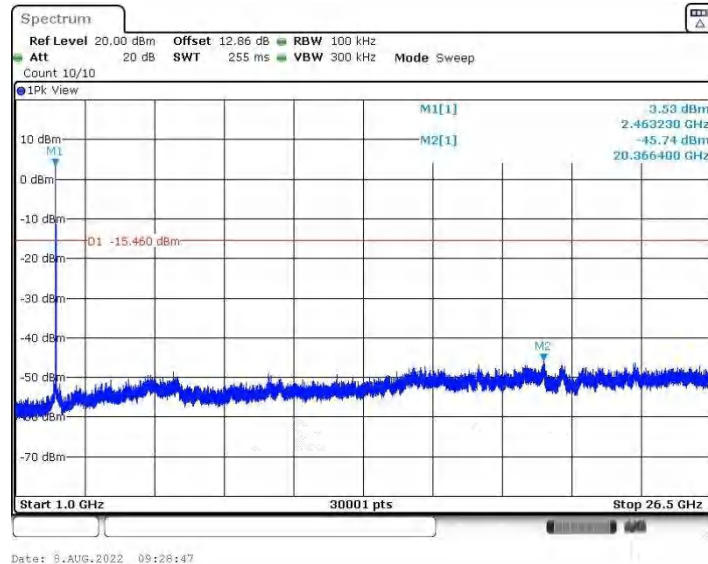


11B_Ant1_2462_30~1000



Date: 8.AUG.2022 09:28:10

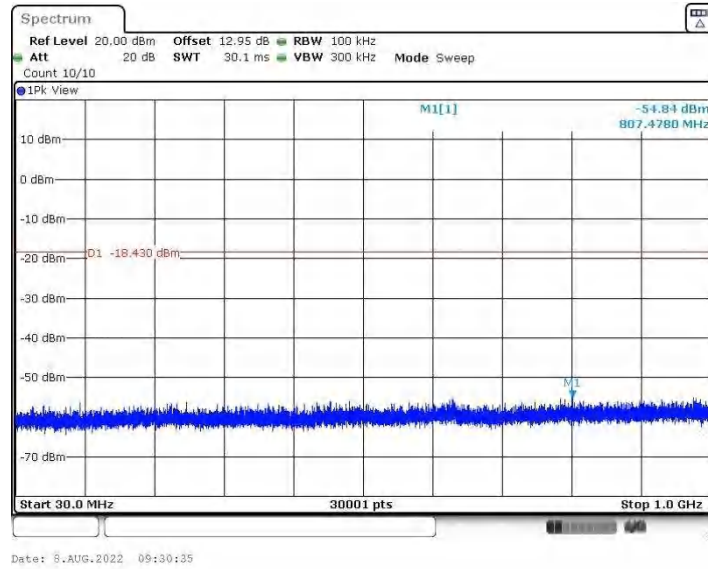
11B_Ant1_2462_1000~26500



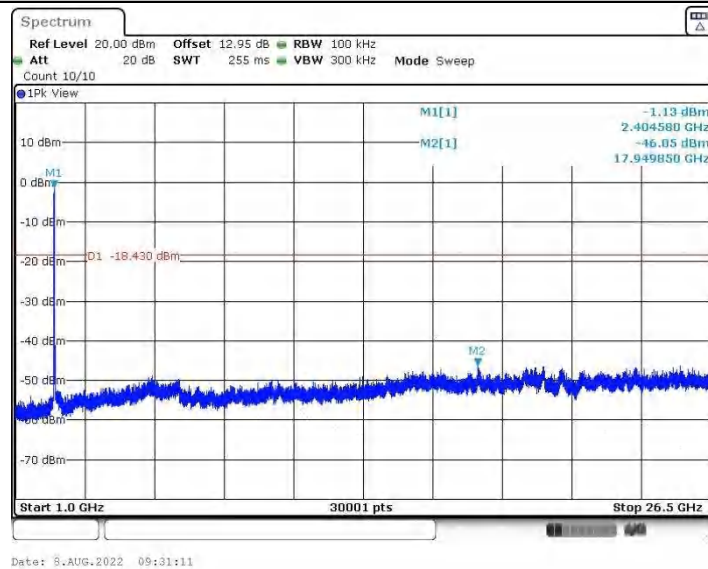
Date: 8.AUG.2022 09:28:47



11G_Ant1_2412_30~1000

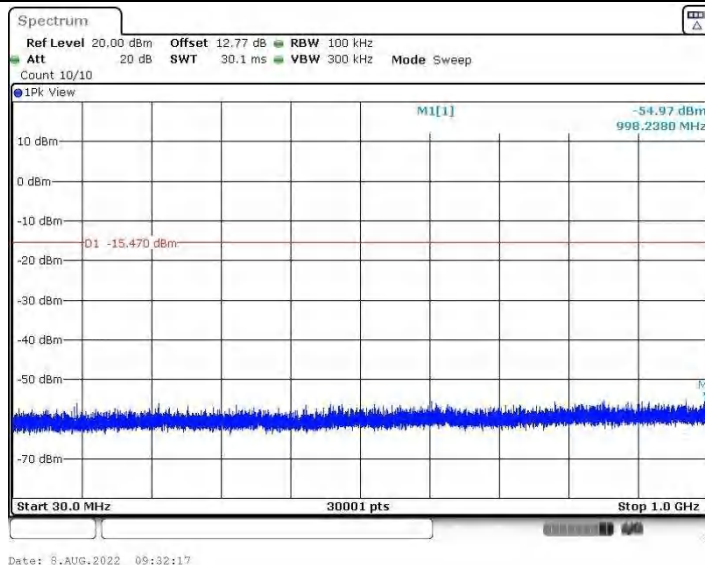


11G_Ant1_2412_1000~26500

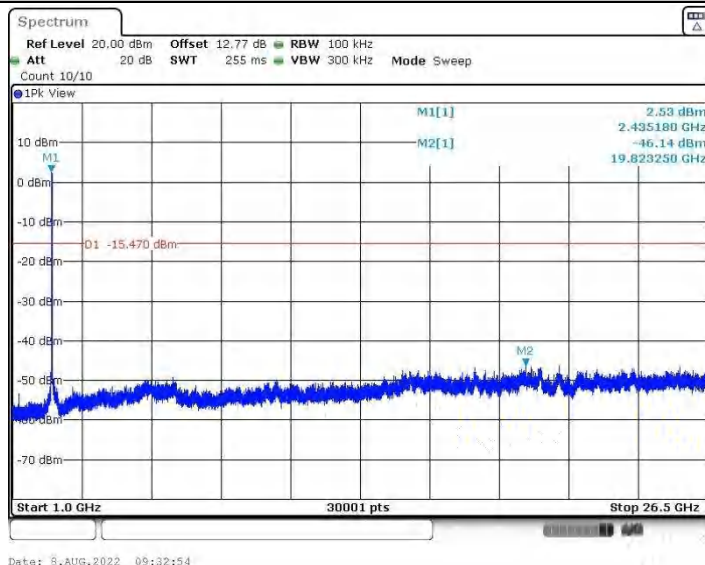




11G_Ant1_2437_30~1000

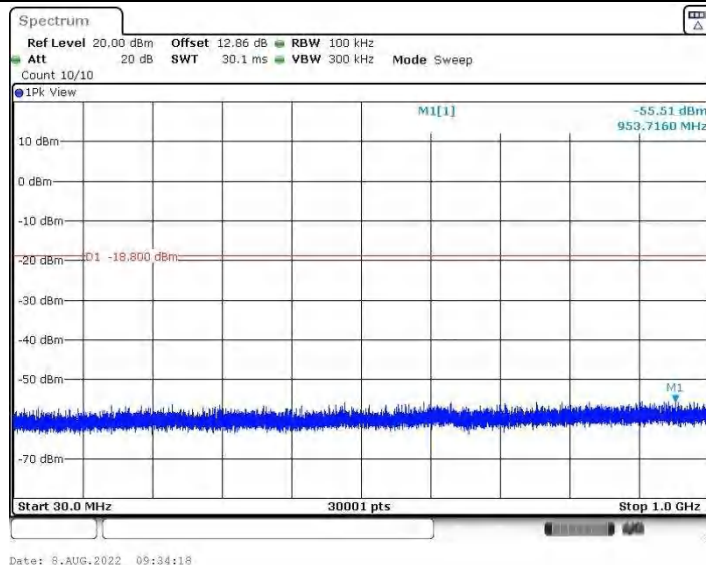


11G_Ant1_2437_1000~26500

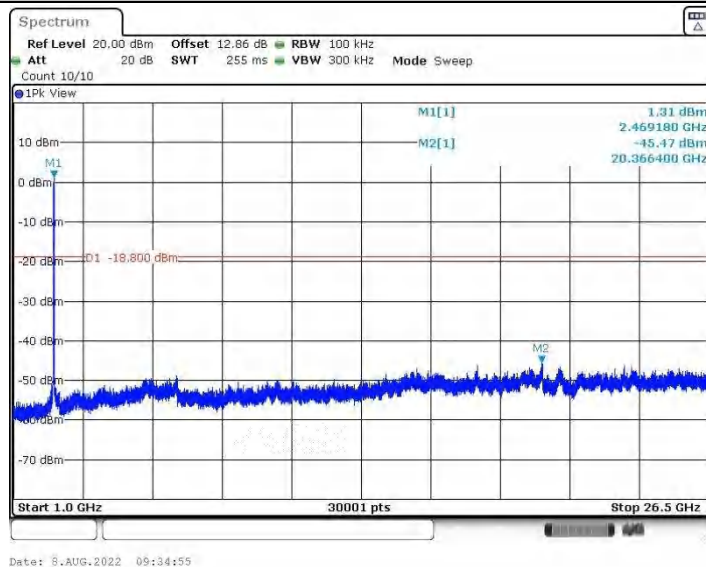




11G_Ant1_2462_30~1000

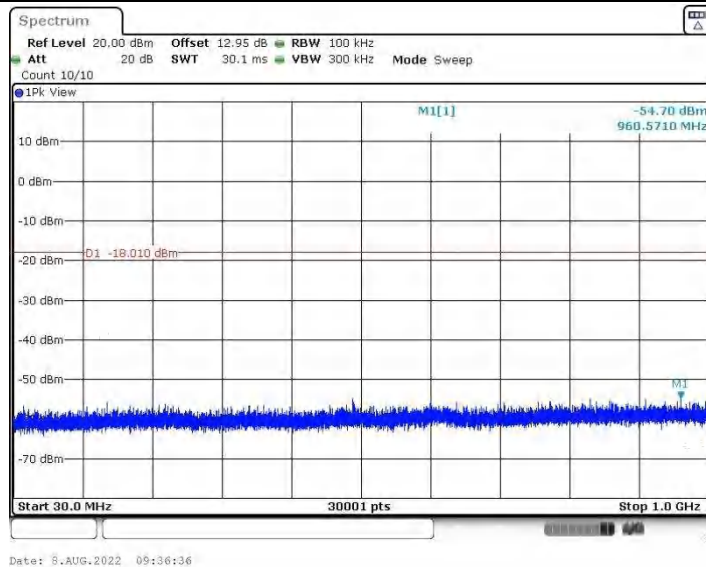


11G_Ant1_2462_1000~26500

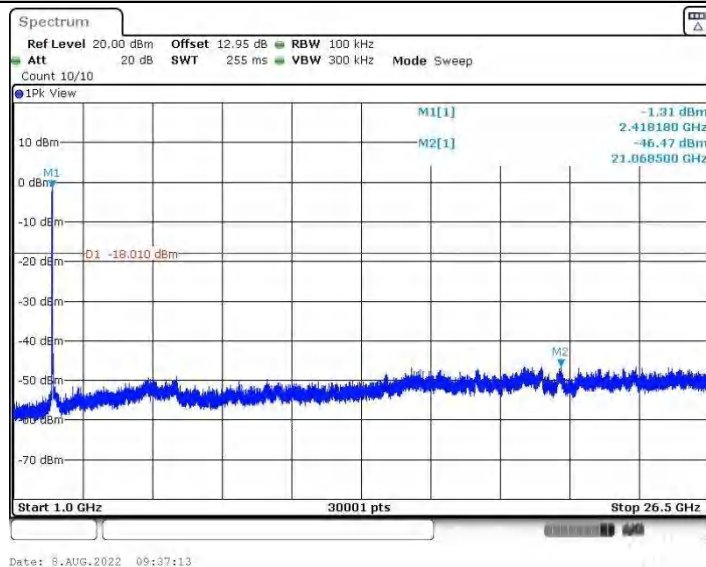




11N20SISO_Ant1_2412_30~1000

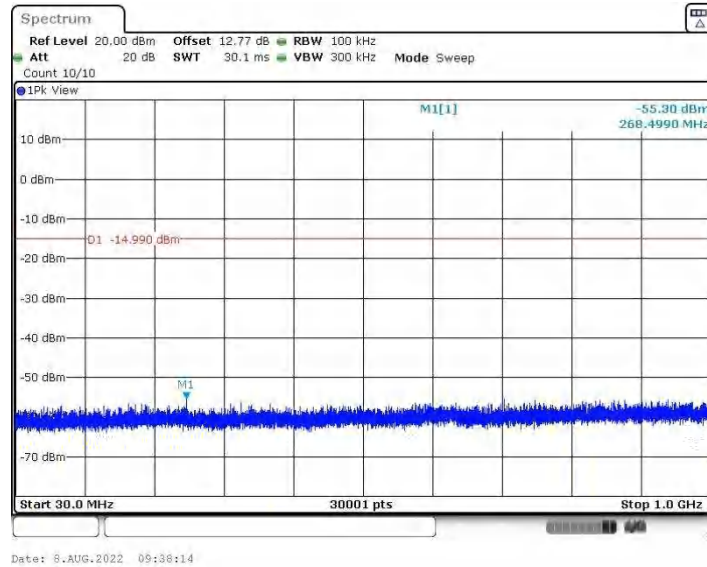


11N20SISO_Ant1_2412_1000~26500

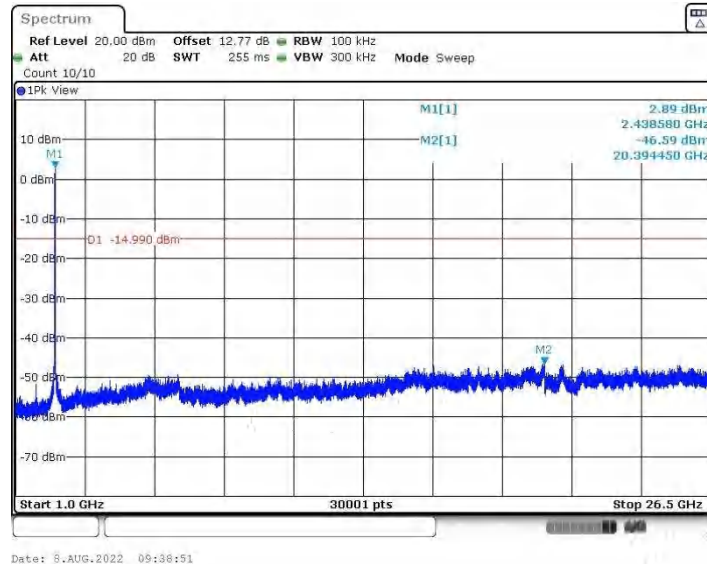




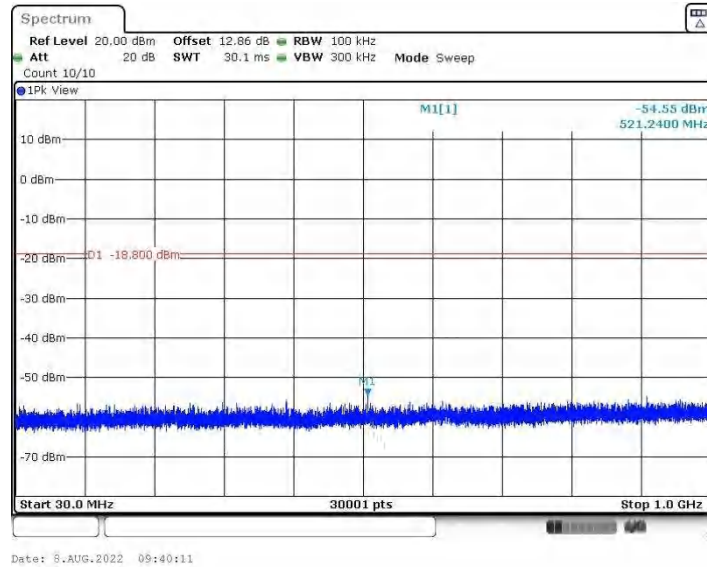
11N20SISO_Ant1_2437_30~1000



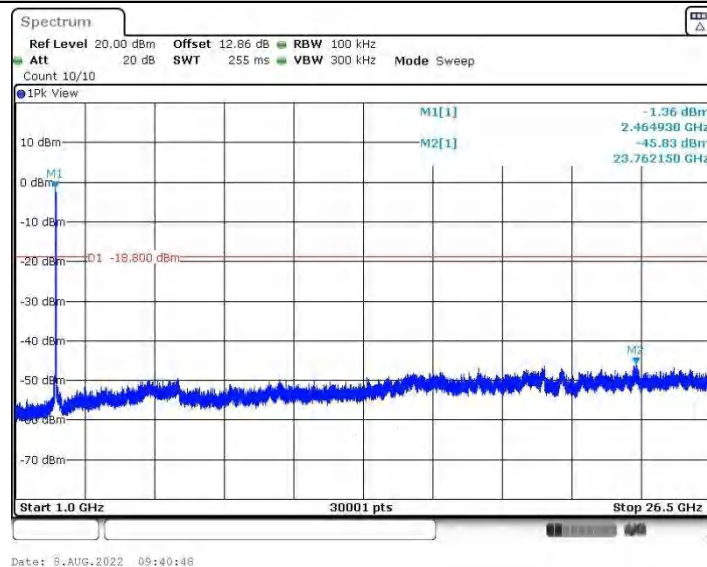
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_30~1000

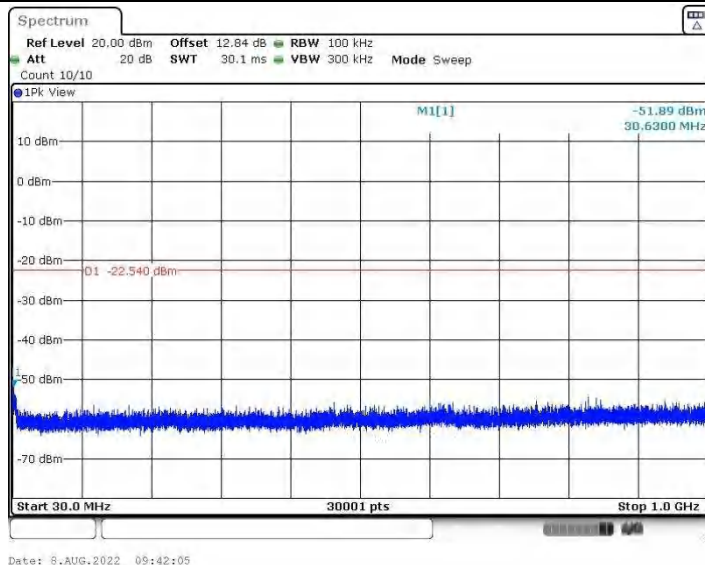


11N20SISO_Ant1_2462_1000~26500

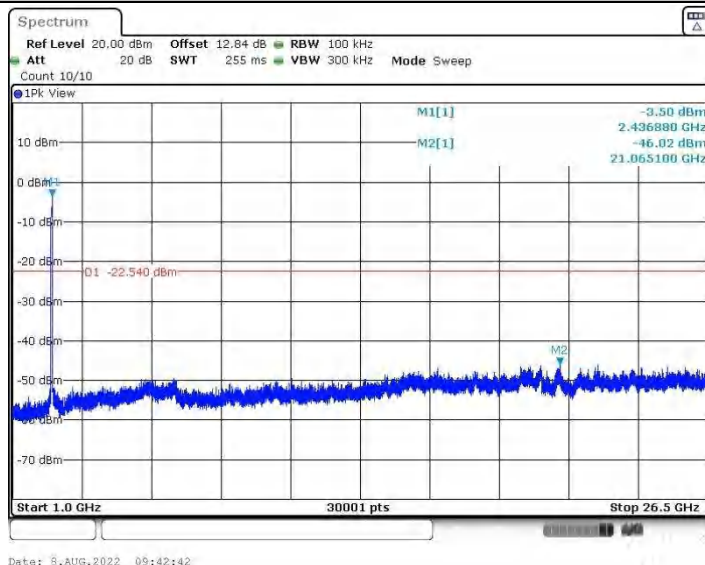




11N40SISO_Ant1_2422_30~1000

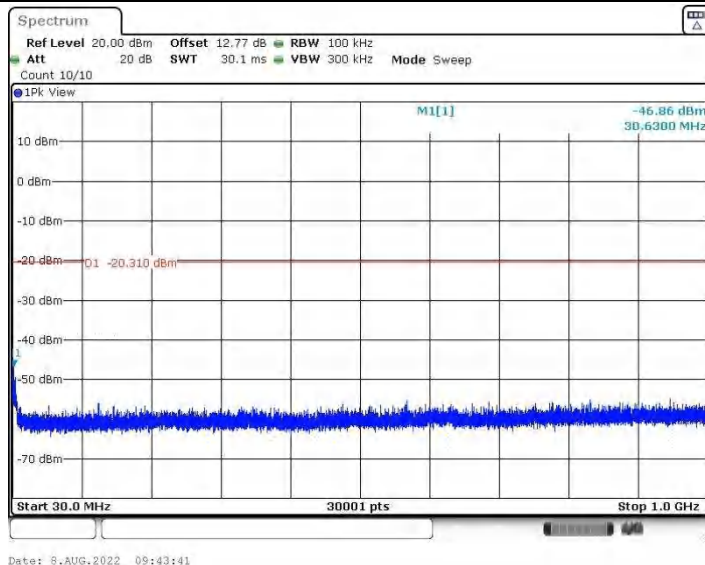


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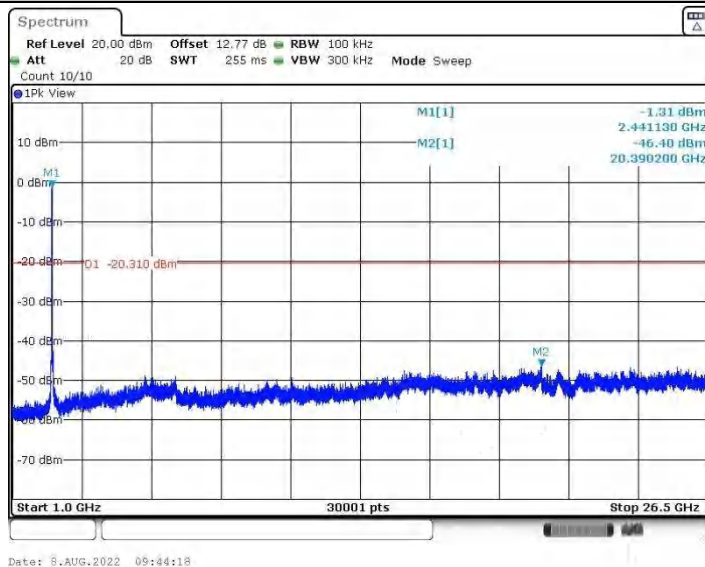




11N40SISO_Ant1_2437_30~1000

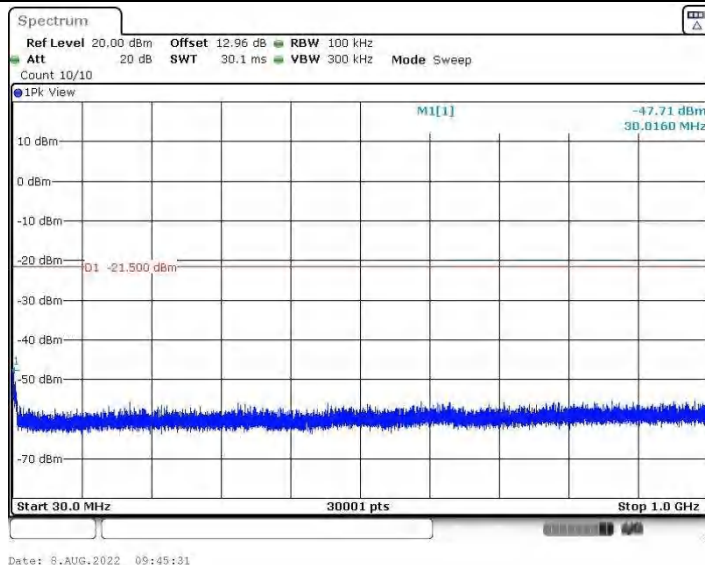


11N40SISO_Ant1_2437_1000~26500

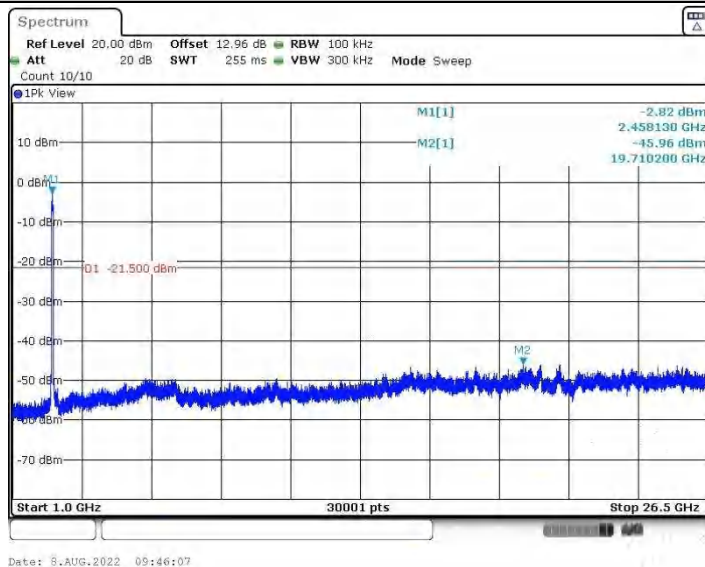




11N40SISO_Ant1_2452_30~1000



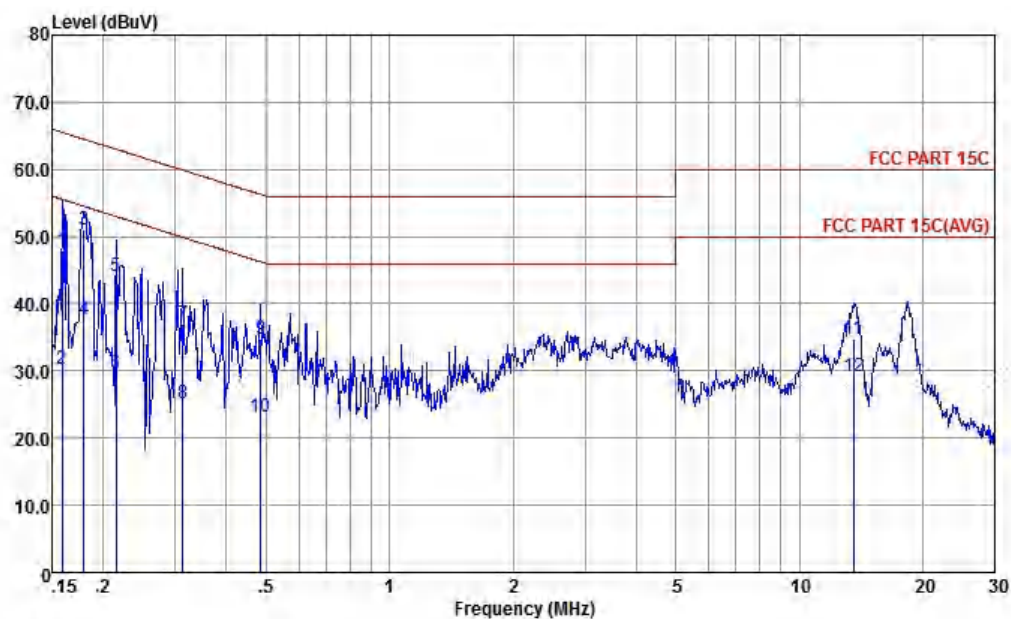
11N40SISO_Ant1_2452_1000~26500





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.		

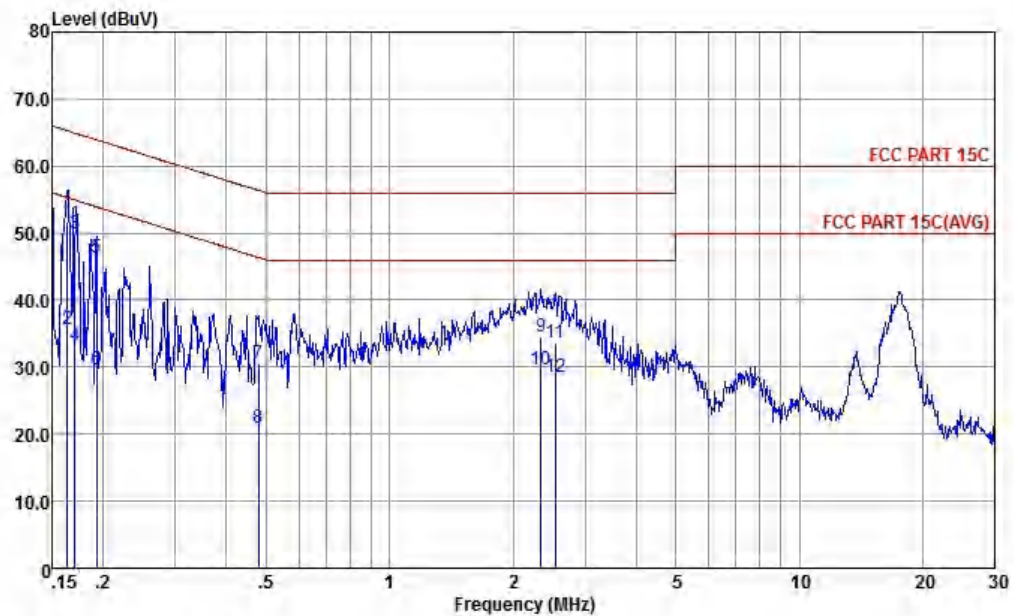


Site : CO01-KS
Condition : FCC PART 15C LISN-060105-L LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
1	0.159	47.98	-17.54	65.52	37.50	0.02	10.46	QP
2	0.159	30.38	-25.14	55.52	19.90	0.02	10.46	Average
3 *	0.180	51.04	-13.46	64.50	40.60	0.03	10.41	QP
4	0.180	37.74	-16.76	54.50	27.30	0.03	10.41	Average
5	0.215	44.20	-18.81	63.01	33.80	0.05	10.35	QP
6	0.215	29.60	-23.41	53.01	19.20	0.05	10.35	Average
7	0.313	36.97	-22.91	59.88	26.60	0.07	10.30	QP
8	0.313	25.17	-24.71	49.88	14.80	0.07	10.30	Average
9	0.484	34.84	-21.43	56.27	24.50	0.10	10.24	QP
10	0.484	23.24	-23.03	46.27	12.90	0.10	10.24	Average
11	13.551	34.68	-26.32	60.00	24.02	0.28	10.38	QP
12	13.551	29.16	-20.84	50.00	18.50	0.28	10.38	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	dBμV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBμV	dBμV	dB	dB	
1 *	0.163	51.75	-13.55	65.30	41.19	0.11	10.45	QP
2	0.163	35.75	-19.55	55.30	25.19	0.11	10.45	Average
3	0.170	49.83	-15.11	64.94	39.29	0.11	10.43	QP
4	0.170	33.13	-21.81	54.94	22.59	0.11	10.43	Average
5	0.192	46.38	-17.55	63.93	35.90	0.10	10.38	QP
6	0.192	29.68	-24.25	53.93	19.20	0.10	10.38	Average
7	0.479	30.55	-25.81	56.36	20.20	0.11	10.24	QP
8	0.479	20.85	-25.51	46.35	10.50	0.11	10.24	Average
9	2.346	34.58	-21.42	56.00	24.21	0.14	10.23	QP
10	2.346	29.68	-16.32	46.00	19.31	0.14	10.23	Average
11	2.540	33.68	-22.32	56.00	23.29	0.15	10.24	QP
12	2.540	28.48	-17.52	46.00	18.09	0.15	10.24	Average

Note:

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



Appendix C. Radiated Spurious Emission

Test Engineer :	Carry Xu	Temperature :	22~23°C
		Relative Humidity :	41~42%

Channel	Power setting
11b CH01	11
11b CH06	21
11b CH11	22
11g CH01	11
11g CH06	0
11g CH11	14
11n20 CH01	10
11n20 CH06	0
11n20 CH11	15
11n40 CH03	20
11n40 CH06	12
11n40 CH09	15



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	54.72	-19.28	74	51.6	32.88	7.1	36.86	132	244	P	H
		2385.4	45.31	-8.69	54	42.22	32.86	7.1	36.87	132	244	A	H
	*	2412	111.61	-	-	108.43	32.9	7.13	36.85	132	244	P	H
	*	2412	104.31	-	-	101.13	32.9	7.13	36.85	132	244	A	H
		2386.18	55.21	-18.79	74	52.09	32.88	7.1	36.86	400	298	P	V
		2385.53	46.04	-7.96	54	42.92	32.88	7.1	36.86	400	298	A	V
	*	2410	111.02	-	-	107.84	32.9	7.13	36.85	400	298	P	V
	*	2412	103.75	-	-	100.57	32.9	7.13	36.85	400	298	A	V
802.11b CH 11 2462MHz		2488.6	52.96	-21.04	74	49.52	33	7.25	36.81	100	229	P	H
		2488.06	43.08	-10.92	54	39.64	33	7.25	36.81	100	229	A	H
	*	2462	108.29	-	-	104.94	32.96	7.22	36.83	100	229	P	H
	*	2462	101.1	-	-	97.75	32.96	7.22	36.83	100	229	A	H
		2485.78	53.71	-20.29	74	50.3	32.98	7.25	36.82	339	304	P	V
		2487.88	42.88	-11.12	54	39.44	33	7.25	36.81	339	304	A	V
	*	2460	107.65	-	-	104.3	32.96	7.22	36.83	339	304	P	V
	*	2462	100.36	-	-	97.01	32.96	7.22	36.83	339	304	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	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		4830	54.68	-19.32	74	75.61	34.2	10.25	65.38	100	126	P	H
		4830	50.82	-3.18	54	71.75	34.2	10.25	65.38	100	126	A	H
		4830	52.3	-21.7	74	73.23	34.2	10.25	65.38	301	335	P	V
		4830	49.64	-4.36	54	70.57	34.2	10.25	65.38	301	335	A	V
802.11b CH 06 2437MHz		4875	54.59	-19.41	74	75.49	34.23	10.29	65.42	100	130	P	H
		4875	50.8	-3.2	54	71.7	34.23	10.29	65.42	100	130	A	H
		7305	42.22	-31.78	74	59.55	35.86	12.72	65.91	300	0	P	H
		4875	52.25	-21.75	74	73.15	34.23	10.29	65.42	232	343	P	V
		4875	49.67	-4.33	54	70.57	34.23	10.29	65.42	232	343	A	V
		7305	42.33	-31.67	74	59.66	35.86	12.72	65.91	100	0	P	V
802.11b CH 11 2462MHz		4920	54.01	-19.99	74	74.86	34.26	10.34	65.45	100	33	P	H
		4920	50.43	-3.57	54	71.28	34.26	10.34	65.45	100	33	A	H
		7380	41.8	-32.2	74	59.3	35.88	12.73	66.11	300	0	P	H
		4920	51.87	-22.13	74	72.72	34.26	10.34	65.45	252	334	P	V
		4920	48.73	-5.27	54	69.58	34.26	10.34	65.45	252	334	A	V
		7380	42.09	-31.91	74	59.59	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	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)
802.11g CH 01 2412MHz		2389.95	69.54	-4.46	74	66.42	32.88	7.1	36.86	278	248	P	H
		2389.95	52.45	-1.55	54	49.33	32.88	7.1	36.86	278	248	A	H
	*	2410	107.18	-	-	104	32.9	7.13	36.85	278	248	P	H
	*	2406	99.65	-	-	96.47	32.9	7.13	36.85	278	248	A	H
		2389.95	69.93	-4.07	74	66.81	32.88	7.1	36.86	397	297	P	V
		2389.95	51.96	-2.04	54	48.84	32.88	7.1	36.86	397	297	A	V
	*	2406	106.35	-	-	103.17	32.9	7.13	36.85	397	297	P	V
	*	2412	98.93	-	-	95.75	32.9	7.13	36.85	397	297	A	V
802.11g CH 11 2462MHz		2483.5	68.61	-5.39	74	65.2	32.98	7.25	36.82	382	0	P	H
		2483.5	52.48	-1.52	54	49.07	32.98	7.25	36.82	382	0	A	H
	*	2460	108.14	-	-	104.79	32.96	7.22	36.83	382	0	P	H
	*	2462	100.31	-	-	96.96	32.96	7.22	36.83	382	0	A	H
		2483.5	66.46	-7.54	74	63.05	32.98	7.25	36.82	338	303	P	V
		2483.5	49.87	-4.13	54	46.46	32.98	7.25	36.82	338	303	A	V
	*	2466	106.53	-	-	103.18	32.96	7.22	36.83	338	303	P	V
	*	2462	98.32	-	-	94.97	32.96	7.22	36.83	338	303	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	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)
802.11g CH 01 2412MHz		4830	48.51	-25.49	74	69.44	34.2	10.25	65.38	300	0	P	H
		4830	47.67	-26.33	74	68.6	34.2	10.25	65.38	100	0	P	V
802.11g CH 06 2437MHz		4875	54.23	-19.77	74	75.13	34.23	10.29	65.42	100	128	P	H
		4875	45.58	-8.42	54	66.48	34.23	10.29	65.42	100	128	A	H
		7305	50.73	-23.27	74	68.06	35.86	12.72	65.91	300	0	P	H
		4875	52.25	-21.75	74	73.15	34.23	10.29	65.42	252	16	P	V
		4875	44.03	-9.97	54	64.93	34.23	10.29	65.42	252	16	A	V
		7305	47.77	-26.23	74	65.1	35.86	12.72	65.91	100	0	P	V
802.11g CH 11 2462MHz		4920	52.57	-21.43	74	73.42	34.26	10.34	65.45	100	128	P	H
		4920	43.21	-10.79	54	64.06	34.26	10.34	65.45	100	128	A	H
		7380	45.68	-28.32	74	63.18	35.88	12.73	66.11	300	0	P	H
		4920	49.2	-24.8	74	70.05	34.26	10.34	65.45	100	0	P	V
		7380	43.08	-30.92	74	60.58	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	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)
802.11n HT20 CH 01 2412MHz		2389.95	67.33	-6.67	74	64.21	32.88	7.1	36.86	166	255	P	H
		2389.95	52.57	-1.43	54	49.45	32.88	7.1	36.86	166	255	A	H
	*	2410	106.91	-	-	103.73	32.9	7.13	36.85	166	255	P	H
	*	2406	99.3	-	-	96.12	32.9	7.13	36.85	166	255	A	H
		2389.82	66.91	-7.09	74	63.79	32.88	7.1	36.86	400	278	P	V
		2389.95	52.2	-1.8	54	49.08	32.88	7.1	36.86	400	278	A	V
	*	2408	105.45	-	-	102.27	32.9	7.13	36.85	400	278	P	V
	*	2408	97.58	-	-	94.4	32.9	7.13	36.85	400	278	A	V
802.11n HT20 CH 11 2462MHz		2485.42	68.56	-5.44	74	65.15	32.98	7.25	36.82	383	0	P	H
		2483.5	52.67	-1.33	54	49.26	32.98	7.25	36.82	383	0	A	H
	*	2466	107.6	-	-	104.25	32.96	7.22	36.83	383	0	P	H
	*	2462	99.81	-	-	96.46	32.96	7.22	36.83	383	0	A	H
		2484.94	63.75	-10.25	74	60.34	32.98	7.25	36.82	386	302	P	V
		2483.5	48.22	-5.78	54	44.81	32.98	7.25	36.82	386	302	A	V
	*	2460	105.5	-	-	102.15	32.96	7.22	36.83	386	302	P	V
	*	2454	97.88	-	-	94.53	32.96	7.22	36.83	386	302	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	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)
802.11n HT20 CH 01 2412MHz		4830	48.5	-25.5	74	69.43	34.2	10.25	65.38	300	0	P	H
		4830	47.22	-26.78	74	68.15	34.2	10.25	65.38	100	0	P	V
802.11n HT20 CH 06 2437MHz		4875	55.2	-18.8	74	76.1	34.23	10.29	65.42	100	130	P	H
		4875	44.96	-9.04	54	65.86	34.23	10.29	65.42	100	130	A	H
		7305	48.55	-25.45	74	65.88	35.86	12.72	65.91	300	0	P	H
		4875	53.32	-20.68	74	74.22	34.23	10.29	65.42	331	258	P	V
		4875	43.26	-10.74	54	64.16	34.23	10.29	65.42	331	258	A	V
		7305	48.71	-25.29	74	66.04	35.86	12.72	65.91	100	0	P	V
802.11n HT20 CH 11 2462MHz		4920	52.39	-21.61	74	73.24	34.26	10.34	65.45	158	17	P	H
		4920	43.88	-10.12	54	64.73	34.26	10.34	65.45	158	17	A	H
		7380	44.67	-29.33	74	62.17	35.88	12.73	66.11	300	0	P	H
		4920	49.61	-24.39	74	70.46	34.26	10.34	65.45	100	0	P	V
		7380	42.51	-31.49	74	60.01	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 HT40 (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)
802.11n HT40 CH 03 2422MHz		2382.28	65.03	-8.97	74	61.94	32.86	7.1	36.87	166	355	P	H
		2387.48	52.79	-1.21	54	49.67	32.88	7.1	36.86	166	355	A	H
		2487.82	52.99	-21.01	74	49.55	33	7.25	36.81	166	355	P	H
		2489.62	41.86	-12.14	54	38.42	33	7.25	36.81	166	355	A	H
	*	2426	103.46	-	-	100.23	32.92	7.16	36.85	166	355	P	H
	*	2420	95.33	-	-	92.1	32.92	7.16	36.85	166	355	A	H
		2387.61	62.98	-11.02	74	59.86	32.88	7.1	36.86	400	302	P	V
		2387.74	52.45	-1.55	54	49.33	32.88	7.1	36.86	400	302	A	V
		2498.74	50.25	-23.75	74	46.78	33	7.28	36.81	400	302	P	V
		2484.28	39.62	-14.38	54	36.21	32.98	7.25	36.82	400	302	A	V
	*	2412	101.15	-	-	97.97	32.9	7.13	36.85	400	302	P	V
	*	2410	93.07	-	-	89.89	32.9	7.13	36.85	400	302	A	V
802.11n HT40 CH 06 2437MHz		2385.4	67.81	-6.19	74	64.72	32.86	7.1	36.87	165	358	P	H
		2389.56	52.73	-1.27	54	49.61	32.88	7.1	36.86	165	358	A	H
		2486.74	62.96	-11.04	74	59.55	32.98	7.25	36.82	165	358	P	H
		2483.56	49.99	-4.01	54	46.58	32.98	7.25	36.82	165	358	A	H
	*	2424	105.16	-	-	101.93	32.92	7.16	36.85	165	358	P	H
	*	2420	97.49	-	-	94.26	32.92	7.16	36.85	165	358	A	H
		2385.4	65.05	-8.95	74	61.96	32.86	7.1	36.87	382	285	P	V
		2389.82	51.3	-2.7	54	48.18	32.88	7.1	36.86	382	285	A	V
		2483.56	62.48	-11.52	74	59.07	32.98	7.25	36.82	382	285	P	V
		2483.5	49.13	-4.87	54	45.72	32.98	7.25	36.82	382	285	A	V
	*	2452	102.87	-	-	99.58	32.94	7.19	36.84	382	285	P	V
	*	2434	95.48	-	-	92.25	32.92	7.16	36.85	382	285	A	V



802.11n HT40 CH 09 2452MHz		2389.56	60.02	-13.98	74	56.9	32.88	7.1	36.86	352	357	P	H
		2389.69	45.97	-8.03	54	42.85	32.88	7.1	36.86	352	357	A	H
		2483.68	66.03	-7.97	74	62.62	32.98	7.25	36.82	352	357	P	H
		2483.56	49.72	-4.28	54	46.31	32.98	7.25	36.82	352	357	A	H
	*	2438	103.36	-	-	100.07	32.94	7.19	36.84	352	357	P	H
	*	2438	95.12	-	-	91.83	32.94	7.19	36.84	352	357	A	H
		2389.17	58.46	-15.54	74	55.34	32.88	7.1	36.86	382	284	P	V
		2389.95	45.26	-8.74	54	42.14	32.88	7.1	36.86	382	284	A	V
		2483.5	68.84	-5.16	74	65.43	32.98	7.25	36.82	382	284	P	V
		2483.5	52.77	-1.23	54	49.36	32.98	7.25	36.82	382	284	A	V
	*	2438	103.76	-	-	100.47	32.94	7.19	36.84	382	284	P	V
	*	2434	95.88	-	-	92.65	32.92	7.16	36.85	382	284	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 HT40 (Harmonic @ 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)
802.11n		4845	45.68	-28.32	74	66.61	34.21	10.25	65.39	300	0	P	H
HT40		7260	42.23	-31.77	74	59.42	35.85	12.72	65.76	300	0	P	H
CH 03		4845	45.75	-28.25	74	66.68	34.21	10.25	65.39	100	0	P	V
2422MHz		7260	41.8	-32.2	74	58.99	35.85	12.72	65.76	100	0	P	V
802.11n		4875	47.41	-26.59	74	68.31	34.23	10.29	65.42	300	0	P	H
HT40		7305	43.19	-30.81	74	60.52	35.86	12.72	65.91	300	0	P	H
CH 06		4875	45.94	-28.06	74	66.84	34.23	10.29	65.42	100	0	P	V
2437MHz		7305	42.48	-31.52	74	59.81	35.86	12.72	65.91	100	0	P	V
802.11n		4905	47.77	-26.23	74	68.62	34.25	10.34	65.44	300	0	P	H
HT40		7350	42.54	-31.46	74	60.01	35.87	12.72	66.06	300	0	P	H
CH 09		4905	47.91	-26.09	74	68.76	34.25	10.34	65.44	100	0	P	V
2452MHz		7350	42.1	-31.9	74	59.57	35.87	12.72	66.06	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

2.4GHz WIFI 802.11n HT40 (LF)

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)
2.4GHz 802.11n HT40 LF		30	21.98	-18.02	40	28.82	24.8	0.76	32.4	-	-	P	H
		159.98	18.99	-24.51	43.5	33.35	16.2	1.84	32.4	-	-	P	H
		320.03	23.36	-22.64	46	33.83	19.3	2.63	32.4	-	-	P	H
		448.07	23.1	-22.9	46	29.53	22.84	3.13	32.4	-	-	P	H
		565.44	25.75	-20.25	46	28.72	26.1	3.33	32.4	-	-	P	H
		754.59	28.67	-17.33	46	28.77	28.1	4.08	32.28	-	-	P	H
		42.61	21.2	-18.8	40	34.89	17.8	0.91	32.4	-	-	P	V
		64.92	20.08	-19.92	40	39.55	11.8	1.13	32.4	-	-	P	V
		250.19	19.85	-26.15	46	31.75	18.4	2.1	32.4	-	-	P	V
		415.09	21.12	-24.88	46	28.18	22.3	3.04	32.4	-	-	P	V
		566.41	25.52	-20.48	46	28.52	26.06	3.34	32.4	-	-	P	V
		780.78	29.38	-16.62	46	29.29	28.1	4.17	32.18	-	-	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	P eak or A verage
H/V	H orizontal or V ertical



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”.



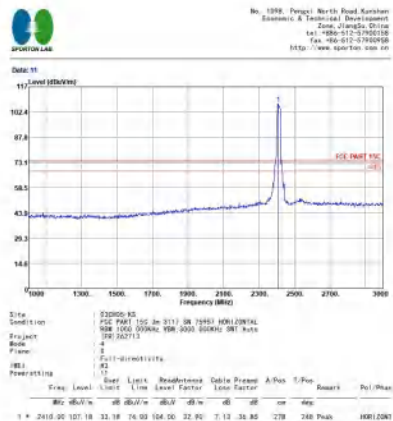
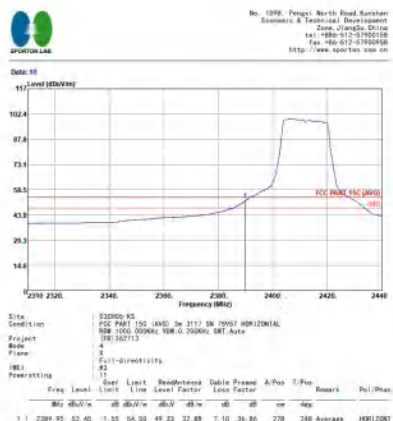
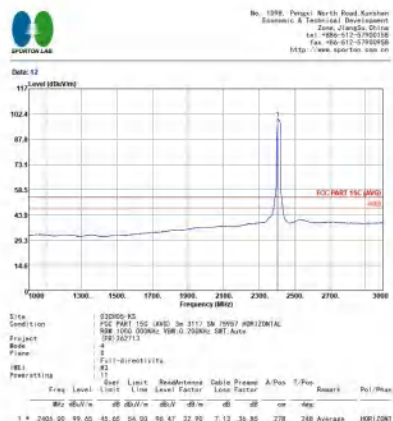
Appendix D. Radiated Spurious Emission Plots

Note symbol

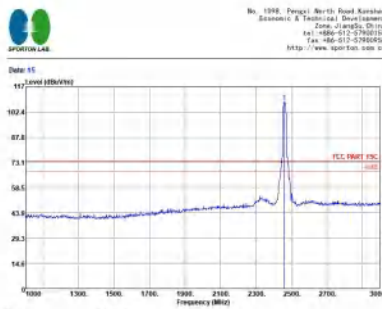
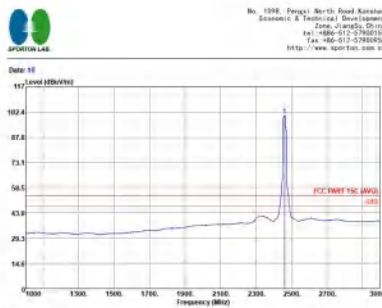
-L	Low channel location
-R	High channel location



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		
Avg.		

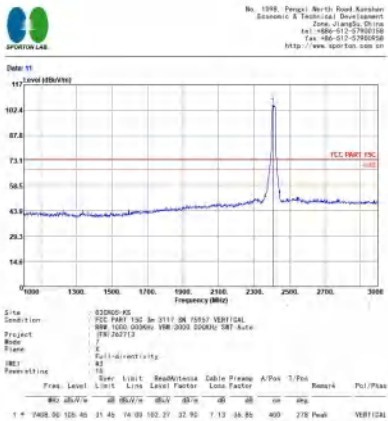


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																																		
ANT	802.11g CH11 2462MHz																																																																																		
1	Horizontal	Fundamental																																																																																	
Peak	 No. 1998, 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: 020605-KS Condition: FCC PART 15C 3e 3117 8W 1000W HORIZONTAL Power: 1000.000000 WPM 3000.000000 SMT-Auto Project: JPN262713 Band: 5 Plane: 0 Full-directivity: 0 REI: 0 PowerSetting: 14 <table><tr><th>Freq.</th><th>Level</th><th>Unit</th><th>Bandwidth</th><th>Cable</th><th>Preamp</th><th>A-Pow</th><th>T-Pow</th><th>Remark</th><th>Pol/Phase</th></tr><tr><td>802.11g</td><td>68.41</td><td>dB</td><td>80.00</td><td>48.00</td><td>32.88</td><td>1.20</td><td>68.82</td><td>382</td><td>0 Peak</td></tr></table> 1 * 2462.00 68.41 -5.39 16.00 48.00 32.88 1.20 68.82 382 0 Peak HORIZONTAL  No. 1998, Pengxi North Road Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57900158 Fax: +86-512-57900958 http://www.sporton.com.cn Date: 15 Site: 020605-KS Condition: FCC PART 15C 3e 3117 8W 1000W HORIZONTAL Power: 1000.000000 WPM 3000.000000 SMT-Auto Project: JPN262713 Band: 5 Plane: 0 Full-directivity: 0 REI: 0 PowerSetting: 14 <table><tr><th>Freq.</th><th>Level</th><th>Unit</th><th>Bandwidth</th><th>Cable</th><th>Preamp</th><th>A-Pow</th><th>T-Pow</th><th>Remark</th><th>Pol/Phase</th></tr><tr><td>802.11g</td><td>106.14</td><td>dB</td><td>80.00</td><td>48.00</td><td>32.88</td><td>1.22</td><td>68.82</td><td>382</td><td>0 Peak</td></tr></table> 1 * 2462.00 106.14 34.14 16.00 48.00 32.88 1.22 68.82 382 0 Peak HORIZONTAL	Freq.	Level	Unit	Bandwidth	Cable	Preamp	A-Pow	T-Pow	Remark	Pol/Phase	802.11g	68.41	dB	80.00	48.00	32.88	1.20	68.82	382	0 Peak	Freq.	Level	Unit	Bandwidth	Cable	Preamp	A-Pow	T-Pow	Remark	Pol/Phase	802.11g	106.14	dB	80.00	48.00	32.88	1.22	68.82	382	0 Peak	Avg.	 No. 1998, 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: 020605-KS Condition: FCC PART 15C 3e 3117 8W 1000W HORIZONTAL Power: 1000.000000 WPM 3000.000000 SMT-Auto Project: JPN262713 Band: 5 Plane: 0 Full-directivity: 0 REI: 0 PowerSetting: 14 <table><tr><th>Freq.</th><th>Level</th><th>Unit</th><th>Bandwidth</th><th>Cable</th><th>Preamp</th><th>A-Pow</th><th>T-Pow</th><th>Remark</th><th>Pol/Phase</th></tr><tr><td>802.11g</td><td>68.41</td><td>dB</td><td>80.00</td><td>48.00</td><td>32.88</td><td>1.20</td><td>68.82</td><td>382</td><td>0 Average</td></tr></table> 1 * 2462.00 68.41 -5.32 16.00 48.00 32.88 1.20 68.82 382 0 Average HORIZONTAL  No. 1998, 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: 020605-KS Condition: FCC PART 15C 3e 3117 8W 1000W HORIZONTAL Power: 1000.000000 WPM 3000.000000 SMT-Auto Project: JPN262713 Band: 5 Plane: 0 Full-directivity: 0 REI: 0 PowerSetting: 14 <table><tr><th>Freq.</th><th>Level</th><th>Unit</th><th>Bandwidth</th><th>Cable</th><th>Preamp</th><th>A-Pow</th><th>T-Pow</th><th>Remark</th><th>Pol/Phase</th></tr><tr><td>802.11g</td><td>106.14</td><td>dB</td><td>80.00</td><td>48.00</td><td>32.88</td><td>1.22</td><td>68.82</td><td>382</td><td>0 Average</td></tr></table> 1 * 2462.00 106.14 34.14 16.00 48.00 32.88 1.22 68.82 382 0 Average HORIZONTAL	Freq.	Level	Unit	Bandwidth	Cable	Preamp	A-Pow	T-Pow	Remark	Pol/Phase	802.11g	68.41	dB	80.00	48.00	32.88	1.20	68.82	382	0 Average	Freq.	Level	Unit	Bandwidth	Cable	Preamp	A-Pow	T-Pow	Remark	Pol/Phase	802.11g	106.14	dB	80.00	48.00	32.88	1.22	68.82	382	0 Average
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2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

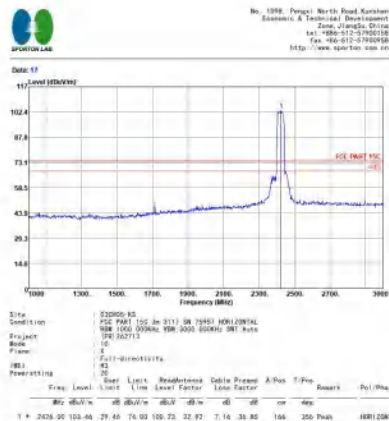
WIFI		2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																								
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Peak	No. 1098 Pengzi North Road Kunshan Economic & Technical Development Zone, Jiangsu China Tel: +86-512-37902188 Fax: +86-512-37902188 http://www.spectrum.com.cn Date: 5 Site: 020905-KS Condition: PSC PAIR 1SS 3m 3117 1M 10007 H0R120N1AL NBW 100K 000MHz 998.000kHz SMT Auto Project: ZJH342713 Plan: 2 File: Full-Directivity Polarization: 42 <table> <tr> <th>Freq</th><th>Level</th><th>Unit</th><th>Sat</th><th>Link</th><th>Readiness</th><th>Cable</th><th>Pream</th><th>A-Pas</th><th>T-Fac</th><th>Remark</th><th>Pd(Phas)</th></tr> <tr> <th>MHz</th><th>dBμV/m</th><th>dB</th><th>dBμV/m</th><th>dBμV</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr> <tr> <td>1</td><td>2389.95</td><td>-87.23</td><td>-8.57</td><td>74.93</td><td>-64.21</td><td>22.68</td><td>7.10</td><td>36.80</td><td>166</td><td>750 Peak</td><td>H0R120N1</td></tr> </table>	Freq	Level	Unit	Sat	Link	Readiness	Cable	Pream	A-Pas	T-Fac	Remark	Pd(Phas)	MHz	dBμV/m	dB	dBμV/m	dBμV	dBm	dB	dB	dB	dB	dB	deg	1	2389.95	-87.23	-8.57	74.93	-64.21	22.68	7.10	36.80	166	750 Peak	H0R120N1	No. 1098 Pengzi North Road Kunshan Economic & Technical Development Zone, Jiangsu China Tel: +86-512-37902188 Fax: +86-512-37902188 http://www.spectrum.com.cn Date: 7 Site: 020905-KS Condition: PSC PAIR 1SS 3m 3117 1M 10007 H0R120N1AL NBW 100K 000MHz 998.000kHz SMT Auto Project: ZJH342713 Plan: 2 File: Full-Directivity Polarization: 42 <table> <tr> <th>Freq</th><th>Level</th><th>Unit</th><th>Sat</th><th>Link</th><th>Readiness</th><th>Cable</th><th>Pream</th><th>A-Pas</th><th>T-Fac</th><th>Remark</th><th>Pd(Phas)</th></tr> <tr> <th>MHz</th><th>dBμV/m</th><th>dB</th><th>dBμV/m</th><th>dBμV</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr> <tr> <td>1</td><td>2410.95</td><td>-106.91</td><td>12.91</td><td>74.93</td><td>-93.23</td><td>22.90</td><td>7.12</td><td>36.80</td><td>166</td><td>750 Peak</td><td>H0R120N1</td></tr> </table>	Freq	Level	Unit	Sat	Link	Readiness	Cable	Pream	A-Pas	T-Fac	Remark	Pd(Phas)	MHz	dBμV/m	dB	dBμV/m	dBμV	dBm	dB	dB	dB	dB	dB	deg	1	2410.95	-106.91	12.91	74.93	-93.23	22.90	7.12	36.80	166	750 Peak	H0R120N1
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Avg.	No. 1098 Pengzi North Road Kunshan Economic & Technical Development Zone, Jiangsu China Tel: +86-512-37902188 Fax: +86-512-37902188 http://www.spectrum.com.cn Date: 5 Site: 020905-KS Condition: PSC PAIR 1SS 3m 3117 1M 10007 H0R120N1AL NBW 100K 000MHz 998.0 250kHz SMT Auto Project: ZJH342713 Plan: 2 File: Full-Directivity Polarization: 42 <table> <tr> <th>Freq</th><th>Level</th><th>Unit</th><th>Sat</th><th>Link</th><th>Readiness</th><th>Cable</th><th>Pream</th><th>A-Pas</th><th>T-Fac</th><th>Remark</th><th>Pd(Phas)</th></tr> <tr> <th>MHz</th><th>dBμV/m</th><th>dB</th><th>dBμV/m</th><th>dBμV</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr> <tr> <td>1</td><td>2389.95</td><td>-82.57</td><td>-1.43</td><td>54.93</td><td>-49.40</td><td>22.83</td><td>7.10</td><td>36.80</td><td>166</td><td>750 Average</td><td>H0R120N1</td></tr> </table>	Freq	Level	Unit	Sat	Link	Readiness	Cable	Pream	A-Pas	T-Fac	Remark	Pd(Phas)	MHz	dBμV/m	dB	dBμV/m	dBμV	dBm	dB	dB	dB	dB	dB	deg	1	2389.95	-82.57	-1.43	54.93	-49.40	22.83	7.10	36.80	166	750 Average	H0R120N1	No. 1098 Pengzi North Road Kunshan Economic & Technical Development Zone, Jiangsu China Tel: +86-512-37902188 Fax: +86-512-37902188 http://www.spectrum.com.cn Date: 5 Site: 020905-KS Condition: PSC PAIR 1SS 3m 3117 1M 10007 H0R120N1AL NBW 100K 000MHz 998.0 250kHz SMT Auto Project: ZJH342713 Plan: 2 File: Full-Directivity Polarization: 42 <table> <tr> <th>Freq</th><th>Level</th><th>Unit</th><th>Sat</th><th>Link</th><th>Readiness</th><th>Cable</th><th>Pream</th><th>A-Pas</th><th>T-Fac</th><th>Remark</th><th>Pd(Phas)</th></tr> <tr> <th>MHz</th><th>dBμV/m</th><th>dB</th><th>dBμV/m</th><th>dBμV</th><th>dBm</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>deg</th></tr> <tr> <td>1</td><td>2403.95</td><td>-95.30</td><td>43.20</td><td>54.93</td><td>-50.12</td><td>22.90</td><td>7.12</td><td>36.80</td><td>166</td><td>750 Average</td><td>H0R120N1</td></tr> </table>	Freq	Level	Unit	Sat	Link	Readiness	Cable	Pream	A-Pas	T-Fac	Remark	Pd(Phas)	MHz	dBμV/m	dB	dBμV/m	dBμV	dBm	dB	dB	dB	dB	dB	deg	1	2403.95	-95.30	43.20	54.93	-50.12	22.90	7.12	36.80	166	750 Average	H0R120N1
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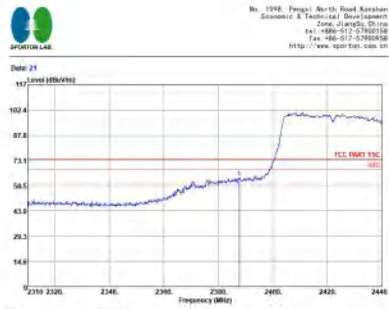
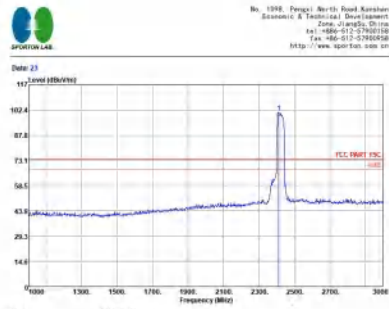
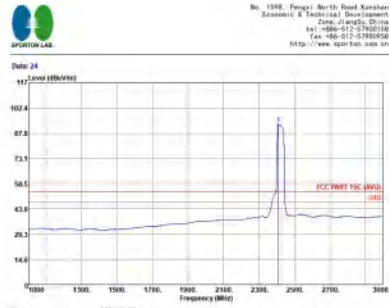
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Vertical	Fundamental
Peak		
		



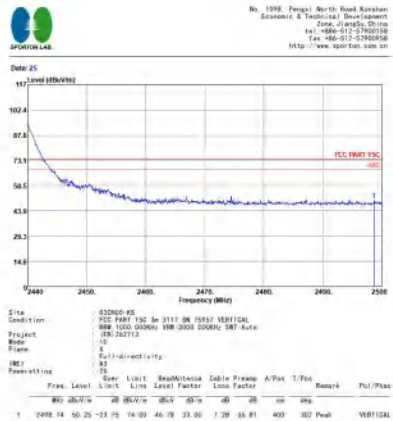
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

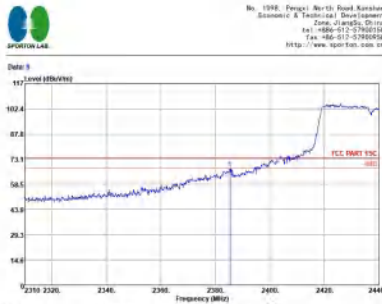
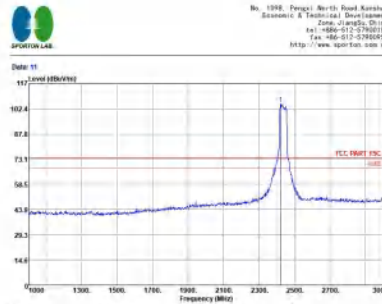
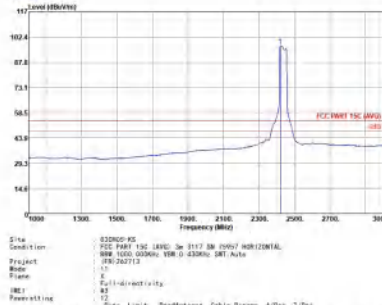


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1	Vertical	Fundamental
Peak	 Site: 020605-KS Condition: FCC PART 15C 3e 3117 0M 1000V VERTICAL Power: 1000.000000 WRM 3000.000000 SMT Auto Project: JRN 262713 Mode: IS Plane: X Polarization: X Frequency: 2422.00 Power: 95.00 Freq. Level: 95.00 Line: 100.00 Level Factor: 1.00 Loss Factor: 0.00 A-Pow: 1.00 T-Pow: 0.00 Remark: 300 Peak Pol/Phase: VERTICAL	 Site: 020605-KS Condition: FCC PART 15C 3e 3117 0M 1000V VERTICAL Power: 1000.000000 WRM 3000.000000 SMT Auto Project: JRN 262713 Mode: IS Plane: X Polarization: X Frequency: 2422.00 Power: 95.00 Freq. Level: 95.00 Line: 100.00 Level Factor: 1.00 Loss Factor: 0.00 A-Pow: 1.00 T-Pow: 0.00 Remark: 300 Peak Pol/Phase: VERTICAL
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WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																															
ANT	802.11n HT40 CH06 2437MHz - L																																																															
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Peak	The plot shows a spectrum from 2350 to 2440 MHz. A red line indicates the FCC limit at -58 dBm. The measured signal (blue line) is below the limit until approximately 2430 MHz, where it rises sharply to about 102 dBm. Site: 020605-KS Condition: FCC PART 15C 3e 3117 06 10507 H0R120N1AL Project: 802.11n HT40 CH06 2437MHz - L Model: J780-262713 Plane: 1 Polarization: E Power setting: 12 <table><tr><th>Freq. Level</th><th>Unit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A-Pol</th><th>T-Pol</th><th>Remark</th><th>Pol/Phase</th></tr><tr><td>802.11n</td><td>dBm</td><td>15</td><td>-58.0</td><td>-58.0</td><td>-58</td><td>-58</td><td>OK</td><td>avg</td></tr><tr><td>1</td><td>2389.40</td><td>57.81</td><td>-6.19</td><td>16.03</td><td>44.72</td><td>32.86</td><td>1.10</td><td>36.87</td><td>165</td><td>250</td><td>Peak</td><td>H0R120N1</td></tr></table>	Freq. Level	Unit	Line	Level Factor	Loss Factor	A-Pol	T-Pol	Remark	Pol/Phase	802.11n	dBm	15	-58.0	-58.0	-58	-58	OK	avg	1	2389.40	57.81	-6.19	16.03	44.72	32.86	1.10	36.87	165	250	Peak	H0R120N1	The plot shows a spectrum from 2350 to 2440 MHz. A red line indicates the FCC limit at -58 dBm. The measured signal (blue line) is below the limit until approximately 2430 MHz, where it rises sharply to about 102 dBm. Site: 020605-KS Condition: FCC PART 15C 3e 3117 06 10507 H0R120N1AL Project: 802.11n HT40 CH06 2437MHz - L Model: J780-262713 Plane: 1 Polarization: E Power setting: 12 <table><tr><th>Freq. Level</th><th>Unit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A-Pol</th><th>T-Pol</th><th>Remark</th><th>Pol/Phase</th></tr><tr><td>802.11n</td><td>dBm</td><td>15</td><td>-58.0</td><td>-58.0</td><td>-58</td><td>-58</td><td>OK</td><td>avg</td></tr><tr><td>1</td><td>2430.50</td><td>125.16</td><td>-31.16</td><td>16.03</td><td>101.75</td><td>22.92</td><td>1.16</td><td>55.86</td><td>165</td><td>250</td><td>Peak</td><td>H0R120N1</td></tr></table>	Freq. Level	Unit	Line	Level Factor	Loss Factor	A-Pol	T-Pol	Remark	Pol/Phase	802.11n	dBm	15	-58.0	-58.0	-58	-58	OK	avg	1	2430.50	125.16	-31.16	16.03	101.75	22.92	1.16	55.86	165	250	Peak	H0R120N1
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802.11n	dBm	15	-58.0	-58.0	-58	-58	OK	avg																																																								
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Avg.	The plot shows a spectrum from 2350 to 2440 MHz. A red line indicates the FCC limit at -58 dBm. The measured signal (blue line) is below the limit until approximately 2430 MHz, where it rises sharply to about 102 dBm. Site: 020605-KS Condition: FCC PART 15C 3e 3117 06 10507 H0R120N1AL Project: 802.11n HT40 CH06 2437MHz - L Model: J780-262713 Plane: 1 Polarization: E Power setting: 12 <table><tr><th>Freq. Level</th><th>Unit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A-Pol</th><th>T-Pol</th><th>Remark</th><th>Pol/Phase</th></tr><tr><td>802.11n</td><td>dBm</td><td>15</td><td>-58.0</td><td>-58.0</td><td>-58</td><td>-58</td><td>OK</td><td>avg</td></tr><tr><td>1</td><td>2389.56</td><td>52.73</td><td>-1.27</td><td>54.03</td><td>49.61</td><td>32.88</td><td>1.10</td><td>34.86</td><td>165</td><td>250</td><td>Average</td><td>H0R120N1</td></tr></table>	Freq. Level	Unit	Line	Level Factor	Loss Factor	A-Pol	T-Pol	Remark	Pol/Phase	802.11n	dBm	15	-58.0	-58.0	-58	-58	OK	avg	1	2389.56	52.73	-1.27	54.03	49.61	32.88	1.10	34.86	165	250	Average	H0R120N1	The plot shows a spectrum from 2350 to 2440 MHz. A red line indicates the FCC limit at -58 dBm. The measured signal (blue line) is below the limit until approximately 2430 MHz, where it rises sharply to about 102 dBm. Site: 020605-KS Condition: FCC PART 15C 3e 3117 06 10507 H0R120N1AL Project: 802.11n HT40 CH06 2437MHz - L Model: J780-262713 Plane: 1 Polarization: E Power setting: 12 <table><tr><th>Freq. Level</th><th>Unit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A-Pol</th><th>T-Pol</th><th>Remark</th><th>Pol/Phase</th></tr><tr><td>802.11n</td><td>dBm</td><td>15</td><td>-58.0</td><td>-58.0</td><td>-58</td><td>-58</td><td>OK</td><td>avg</td></tr><tr><td>1</td><td>2430.50</td><td>97.49</td><td>-43.49</td><td>54.03</td><td>94.26</td><td>22.92</td><td>1.16</td><td>55.86</td><td>165</td><td>250</td><td>Average</td><td>H0R120N1</td></tr></table>	Freq. Level	Unit	Line	Level Factor	Loss Factor	A-Pol	T-Pol	Remark	Pol/Phase	802.11n	dBm	15	-58.0	-58.0	-58	-58	OK	avg	1	2430.50	97.49	-43.49	54.03	94.26	22.92	1.16	55.86	165	250	Average	H0R120N1
Freq. Level	Unit	Line	Level Factor	Loss Factor	A-Pol	T-Pol	Remark	Pol/Phase																																																								
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WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

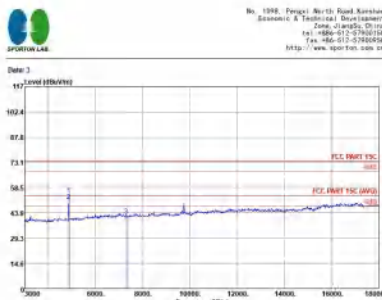
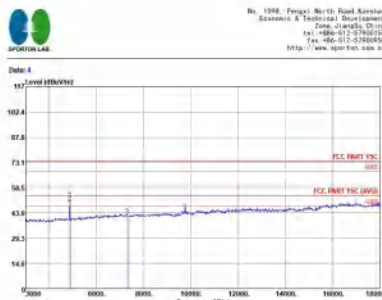


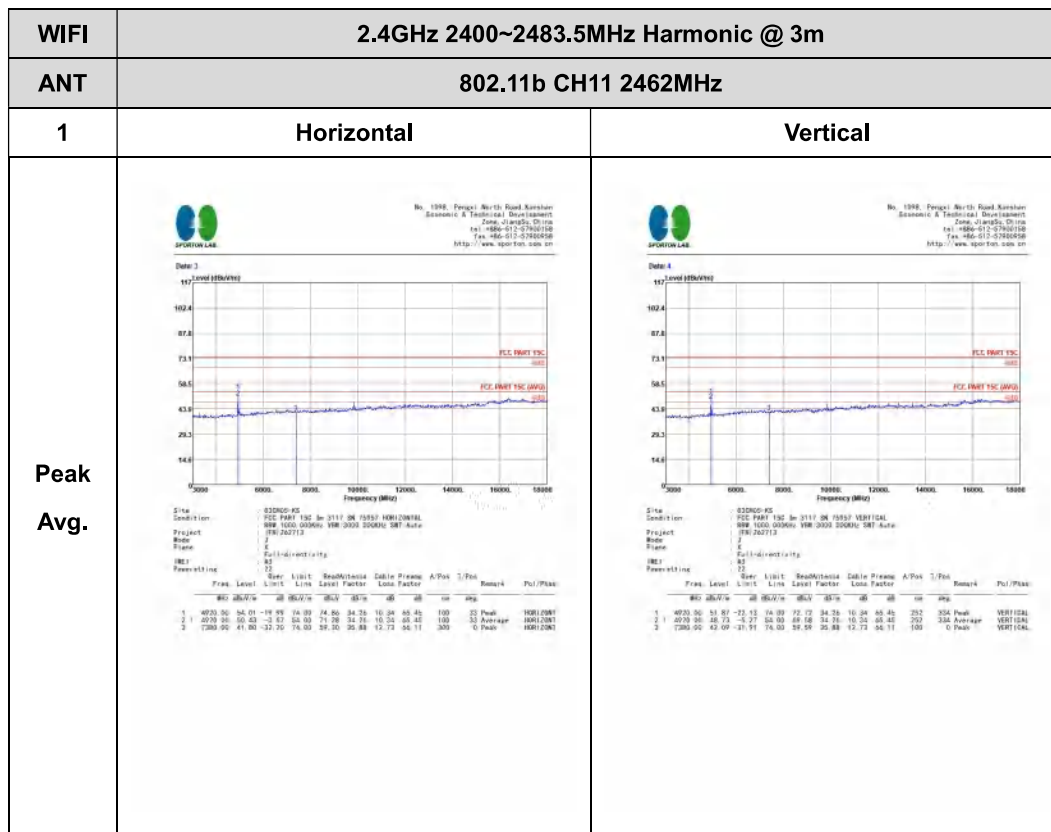
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	Site: 020605-KS Condition: FCC PART 15C 3e 3117 2M 100W VERTICAL Project: 802.11n HT40 CH06 2437MHz SRT-Auto Model: J70-262713 Plane: E Polarization: E Frequency: 2437.00 MHz Power: 100.00 mW Antenna: 2.15 dBi Cable: 1.00 m Loss: 0.50 dB A-Pol: 0.00 dB T-Pol: 0.00 dB Remark: 2437.00 MHz Polarization: VERTICAL	Site: 020605-KS Condition: FCC PART 15C 3e 3117 2M 100W VERTICAL Project: 802.11n HT40 CH06 2437MHz SRT-Auto Model: J70-262713 Plane: E Polarization: E Frequency: 2437.00 MHz Power: 100.00 mW Antenna: 2.15 dBi Cable: 1.00 m Loss: 0.50 dB A-Pol: 0.00 dB T-Pol: 0.00 dB Remark: 2437.00 MHz Polarization: VERTICAL
	Site: 020605-KS Condition: FCC PART 15C 3e 3117 2M 100W VERTICAL Project: 802.11n HT40 CH06 2437MHz SRT-Auto Model: J70-262713 Plane: E Polarization: E Frequency: 2437.00 MHz Power: 100.00 mW Antenna: 2.15 dBi Cable: 1.00 m Loss: 0.50 dB A-Pol: 0.00 dB T-Pol: 0.00 dB Remark: 2437.00 MHz Polarization: VERTICAL	Site: 020605-KS Condition: FCC PART 15C 3e 3117 2M 100W VERTICAL Project: 802.11n HT40 CH06 2437MHz SRT-Auto Model: J70-262713 Plane: E Polarization: E Frequency: 2437.00 MHz Power: 100.00 mW Antenna: 2.15 dBi Cable: 1.00 m Loss: 0.50 dB A-Pol: 0.00 dB T-Pol: 0.00 dB Remark: 2437.00 MHz Polarization: VERTICAL



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1	Horizontal	Fundamental
Peak	Site: 020000-KS Condition: FCC PART 15C 3e 3117 0M 100000 HORIZONTAL Project: 800 1000 000000 V08 0000 000000 SMT-Auto Model: 120 262713 Plane: 12 Polarization: E Frequency: 2400.000 Power: 10.00 Date: 25	Site: 020000-KS Condition: FCC PART 15C 3e 3117 0M 100000 HORIZONTAL Project: 800 1000 000000 V08 0000 000000 SMT-Auto Model: 120 262713 Plane: 12 Polarization: E Frequency: 2452.000 Power: 10.00 Date: 27
	Site: 020000-KS Condition: FCC PART 15C 3e 3117 0M 100000 HORIZONTAL Project: 800 1000 000000 V08 0000 000000 SMT-Auto Model: 120 262713 Plane: 12 Polarization: E Frequency: 2400.000 Power: 10.00 Date: 28	Site: 020000-KS Condition: FCC PART 15C 3e 3117 0M 100000 HORIZONTAL Project: 800 1000 000000 V08 0000 000000 SMT-Auto Model: 120 262713 Plane: 12 Polarization: E Frequency: 2452.000 Power: 10.00 Date: 28



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m																																																																																	
ANT	802.11b CH06 2437MHz																																																																																	
1	Horizontal	Vertical																																																																																
Peak Avg.	 Site: 020000-KS Condition: FCC PART 15C 30-1117 0W 10000 VERICAL Power: 1000.000000 WRM 0000.000000 SMT-Auto Project: FR262713 Mode: Z Plane: Z Full-incident: ity REI: 62 Power: 11.0 Date: 3 <table><tr><th>Peak</th><th>Level</th><th>Unit</th><th>Bandwidth</th><th>Cable</th><th>Power</th><th>A-Pow</th><th>T-Pow</th><th>Remain</th><th>Pol/Phase</th></tr><tr><td>1</td><td>48.75</td><td>dB</td><td>40.00</td><td>10.00</td><td>10.00</td><td>10.00</td><td>10.00</td><td>100</td><td>1000.0000</td></tr><tr><td>2</td><td>48.75</td><td>dB</td><td>40.00</td><td>10.00</td><td>10.00</td><td>10.00</td><td>10.00</td><td>100</td><td>1000.0000</td></tr><tr><td>3</td><td>48.75</td><td>dB</td><td>40.00</td><td>10.00</td><td>10.00</td><td>10.00</td><td>10.00</td><td>100</td><td>1000.0000</td></tr></table>	Peak	Level	Unit	Bandwidth	Cable	Power	A-Pow	T-Pow	Remain	Pol/Phase	1	48.75	dB	40.00	10.00	10.00	10.00	10.00	100	1000.0000	2	48.75	dB	40.00	10.00	10.00	10.00	10.00	100	1000.0000	3	48.75	dB	40.00	10.00	10.00	10.00	10.00	100	1000.0000	 Site: 020000-KS Condition: FCC PART 15C 30-1117 0W 10000 VERICAL Power: 1000.000000 WRM 0000.000000 SMT-Auto Project: FR262713 Mode: Z Plane: Z Full-incident: ity REI: 62 Power: 11.0 Date: 4 <table><tr><th>Peak</th><th>Level</th><th>Unit</th><th>Bandwidth</th><th>Cable</th><th>Power</th><th>A-Pow</th><th>T-Pow</th><th>Remain</th><th>Pol/Phase</th></tr><tr><td>1</td><td>48.75</td><td>dB</td><td>40.00</td><td>10.00</td><td>10.00</td><td>10.00</td><td>10.00</td><td>100</td><td>1000.0000</td></tr><tr><td>2</td><td>48.75</td><td>dB</td><td>40.00</td><td>10.00</td><td>10.00</td><td>10.00</td><td>10.00</td><td>100</td><td>1000.0000</td></tr><tr><td>3</td><td>48.75</td><td>dB</td><td>40.00</td><td>10.00</td><td>10.00</td><td>10.00</td><td>10.00</td><td>100</td><td>1000.0000</td></tr></table>	Peak	Level	Unit	Bandwidth	Cable	Power	A-Pow	T-Pow	Remain	Pol/Phase	1	48.75	dB	40.00	10.00	10.00	10.00	10.00	100	1000.0000	2	48.75	dB	40.00	10.00	10.00	10.00	10.00	100	1000.0000	3	48.75	dB	40.00	10.00	10.00	10.00	10.00	100	1000.0000
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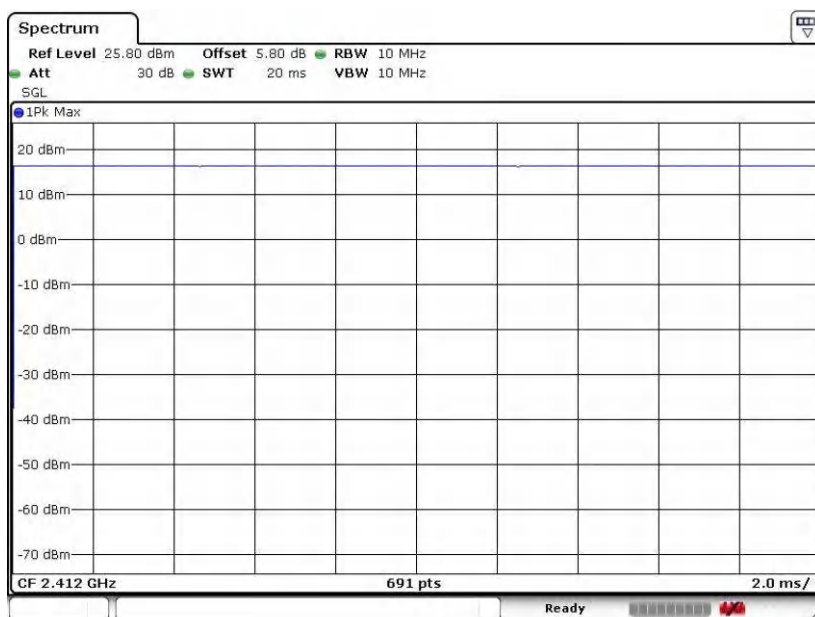
Emission below 1GHz
2.4GHz WIFI 802.11n HT40 (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak		

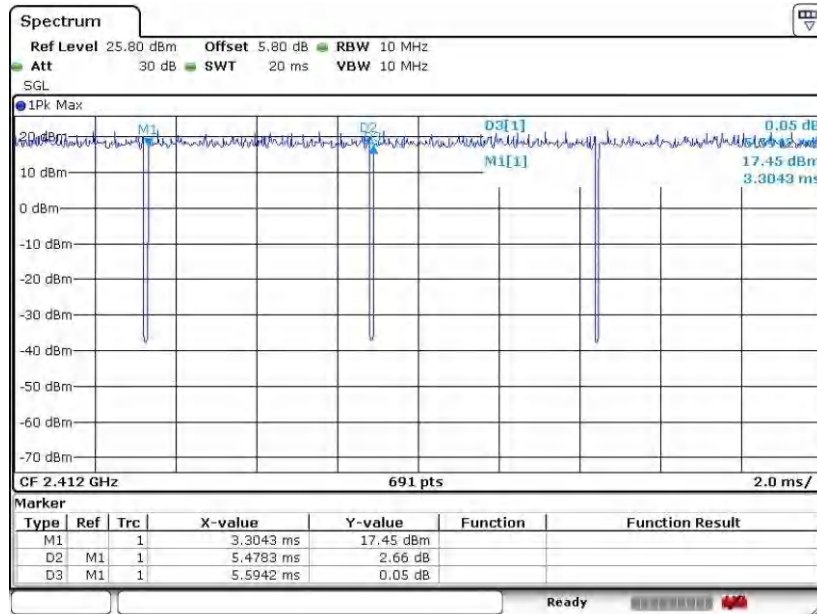
Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11b	100	-	-	10Hz
802.11g	97.93	5.478	0.183	0.2KHz
802.11n HT20	97.77	5.073	0.197	0.2KHz
802.11n HT40	96.05	2.464	0.406	0.43KHz

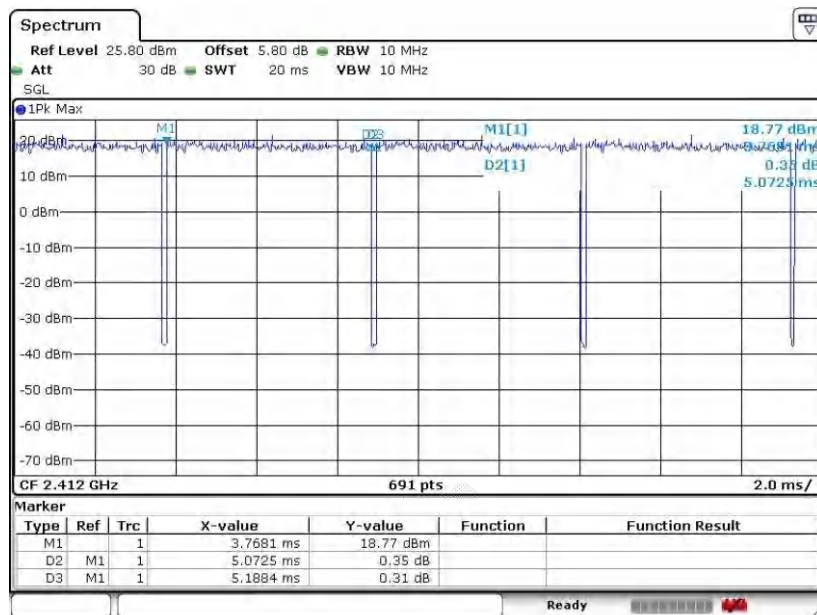
802.11b



802.11g



802.11n HT20



802.11n HT40

