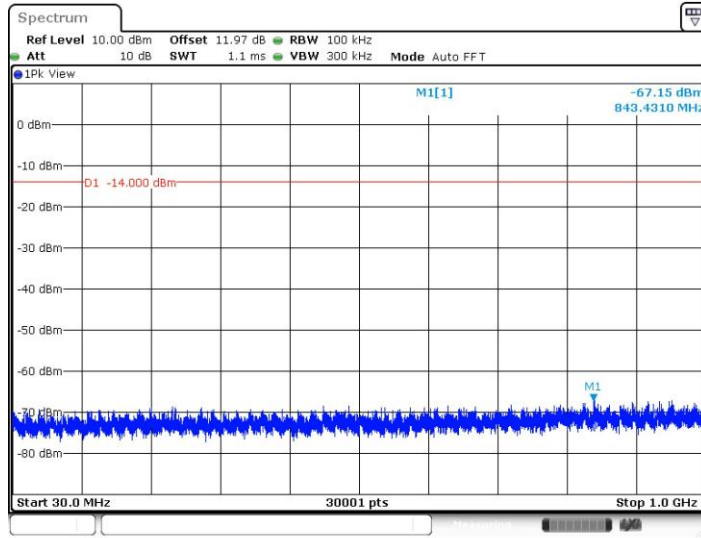


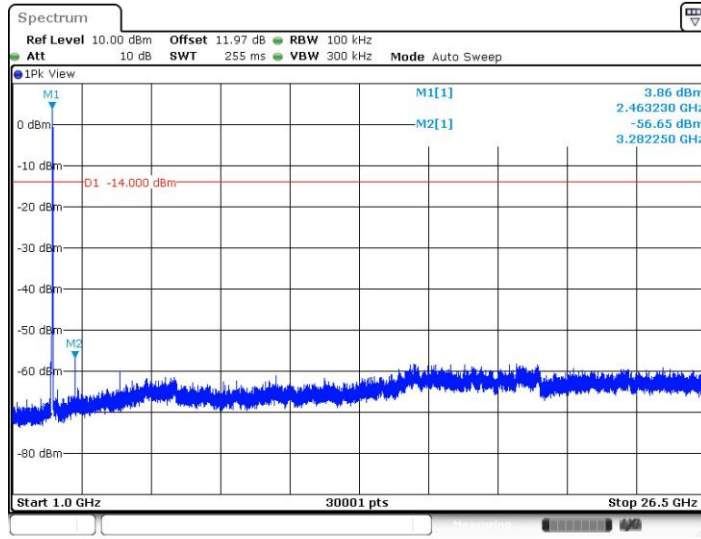


11G\_Ant1\_2462\_30~1000



Date: 12.MAY.2022 18:18:47

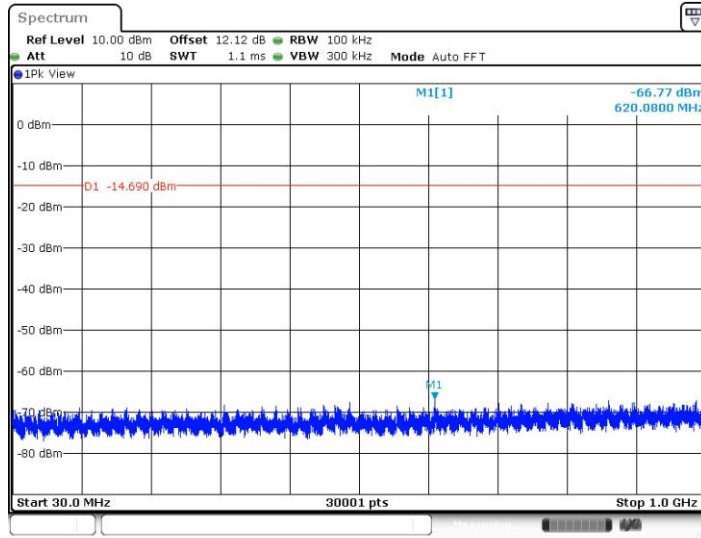
11G\_Ant1\_2462\_1000~26500



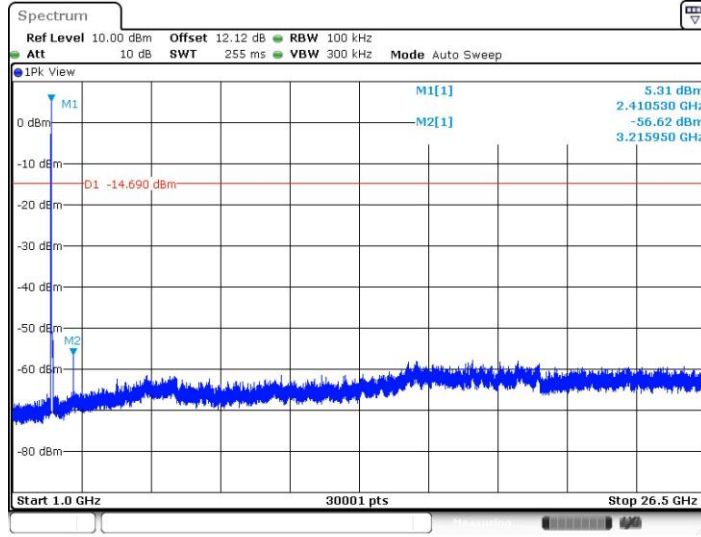
Date: 12.MAY.2022 18:19:09



11N20SISO\_Ant1\_2412\_30~1000

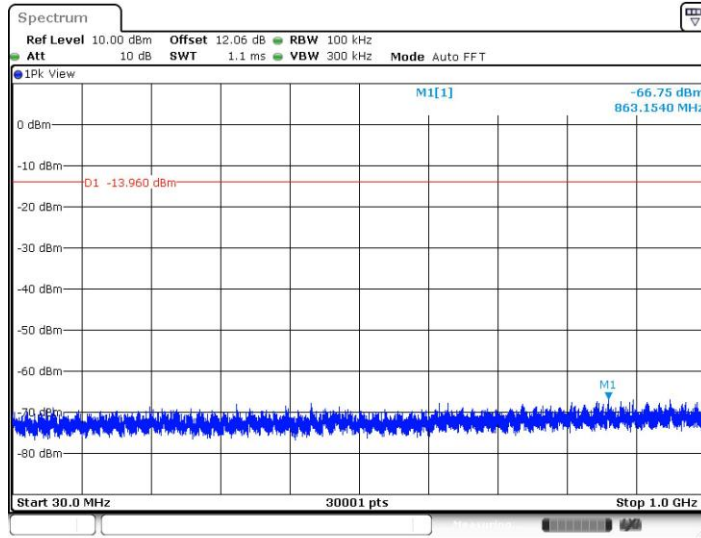


11N20SISO\_Ant1\_2412\_1000~26500



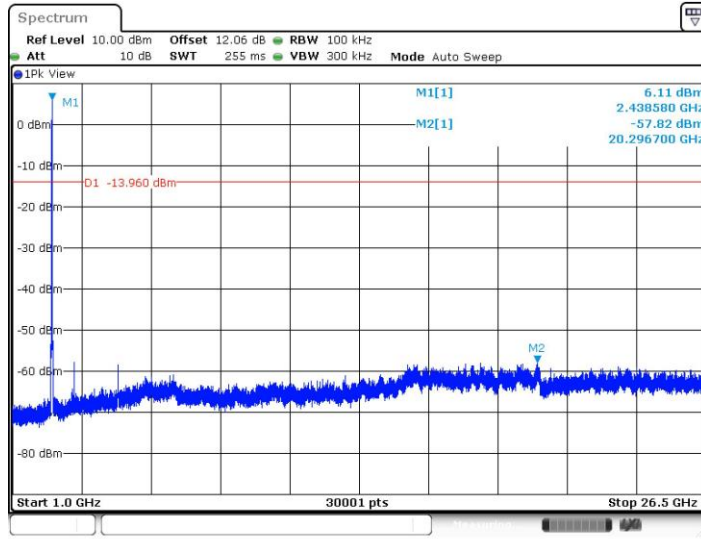


11N20SISO\_Ant1\_2437\_30~1000



Date: 12.MAY.2022 18:22:26

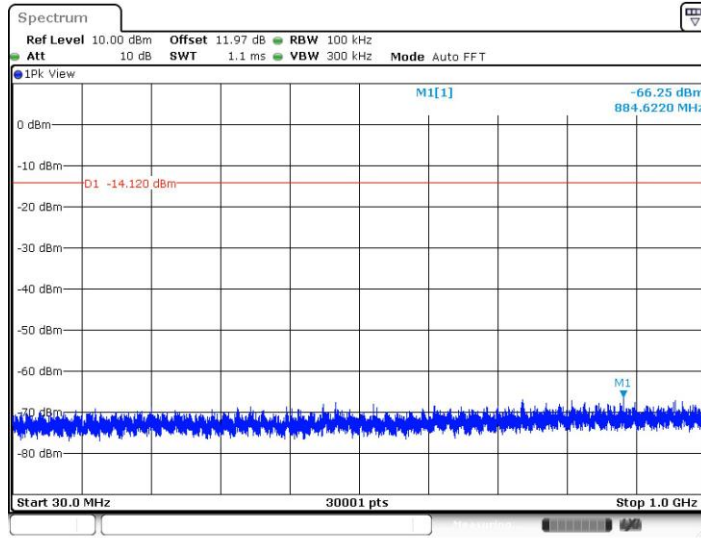
11N20SISO\_Ant1\_2437\_1000~26500



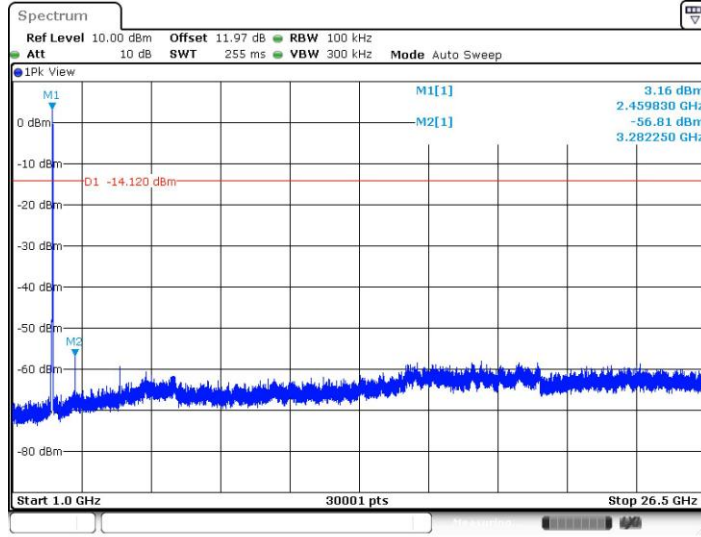
Date: 12.MAY.2022 18:22:48



11N20SISO\_Ant1\_2462\_30~1000

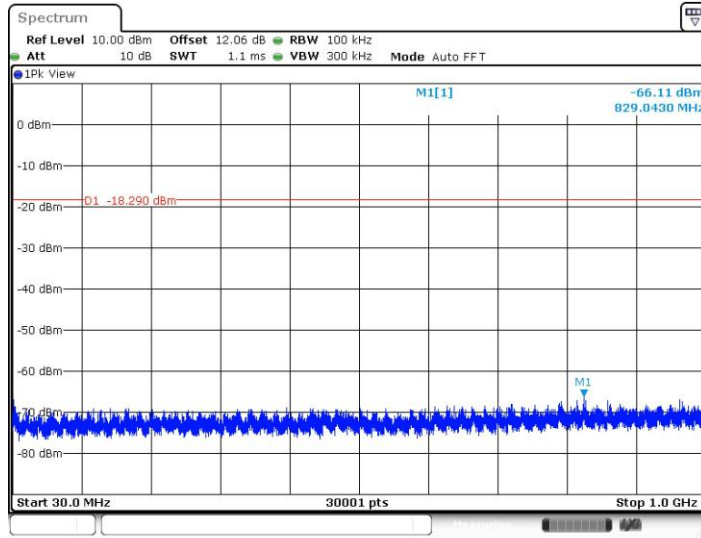


11N20SISO\_Ant1\_2462\_1000~26500



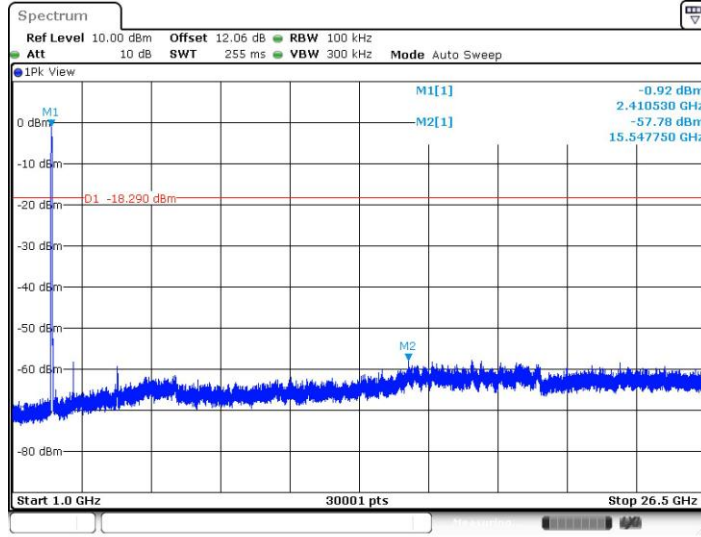


11N40SISO\_Ant1\_2422\_30~1000



Date: 12.MAY.2022 18:27:16

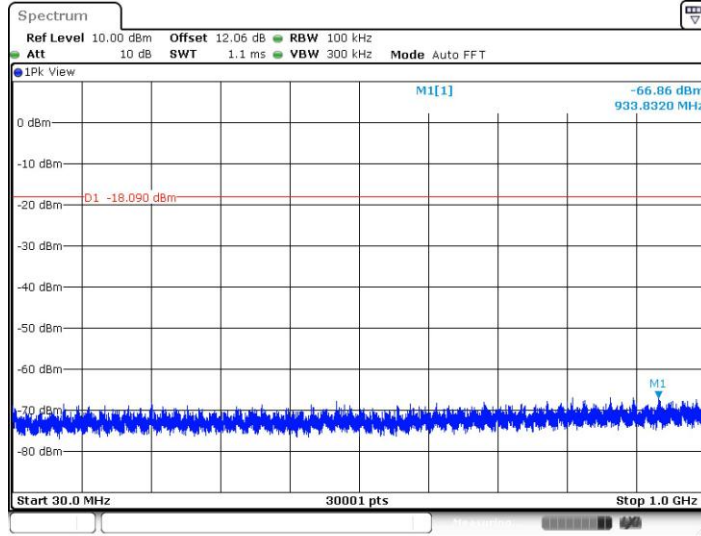
11N40SISO\_Ant1\_2422\_1000~26500



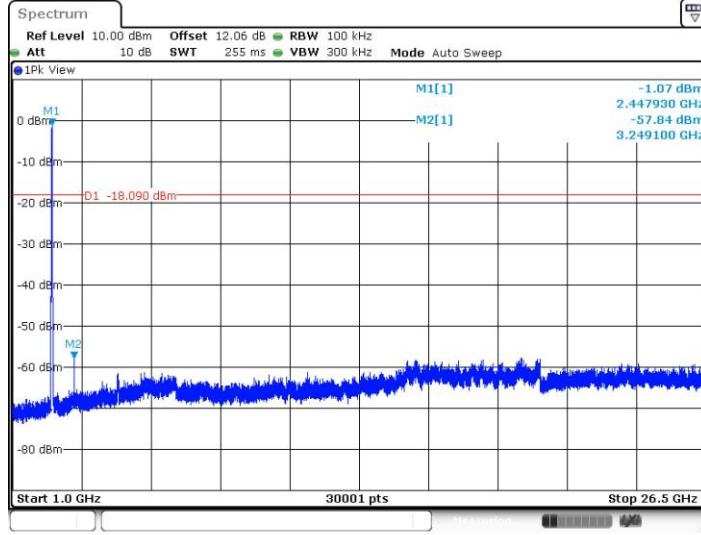
Date: 12.MAY.2022 18:27:38



11N40SISO\_Ant1\_2437\_30~1000

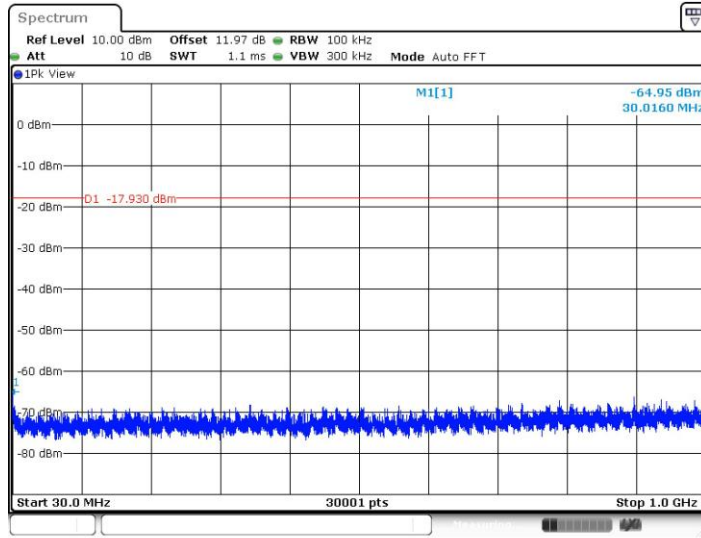


11N40SISO\_Ant1\_2437\_1000~26500



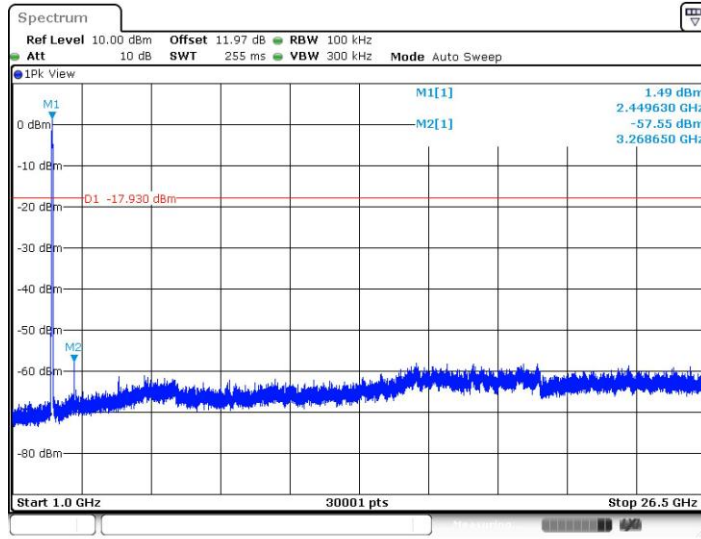


11N40SISO\_Ant1\_2452\_30~1000



Date: 12.MAY.2022 18:38:17

11N40SISO\_Ant1\_2452\_1000~26500



Date: 12.MAY.2022 18:38:39



## Duty Cycle

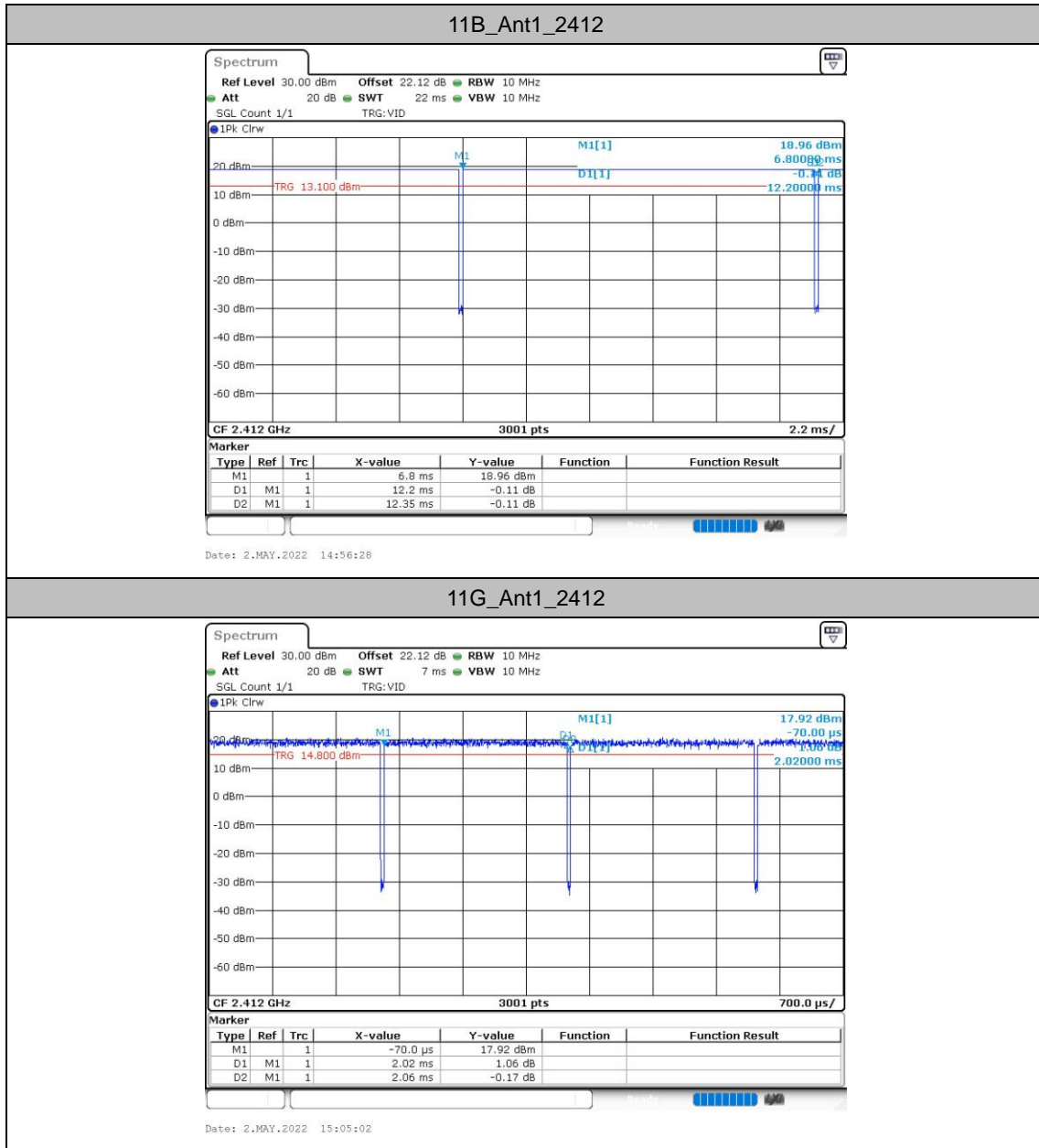
### Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T(kHz)	VBW Setting
11B	Ant1	2412	12.20	12.35	98.79	-	10Hz
11G	Ant1	2412	2.02	2.06	98.06	-	10Hz
11N20SISO	Ant1	2412	1.88	1.92	97.92	0.532	1KHz
11N40SISO	Ant1	2422	0.93	0.98	94.90	1.075	3KHz



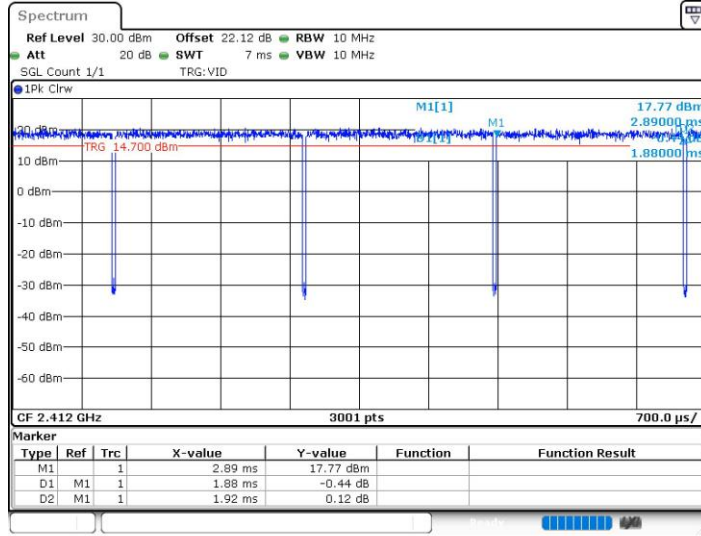


Test Graphs



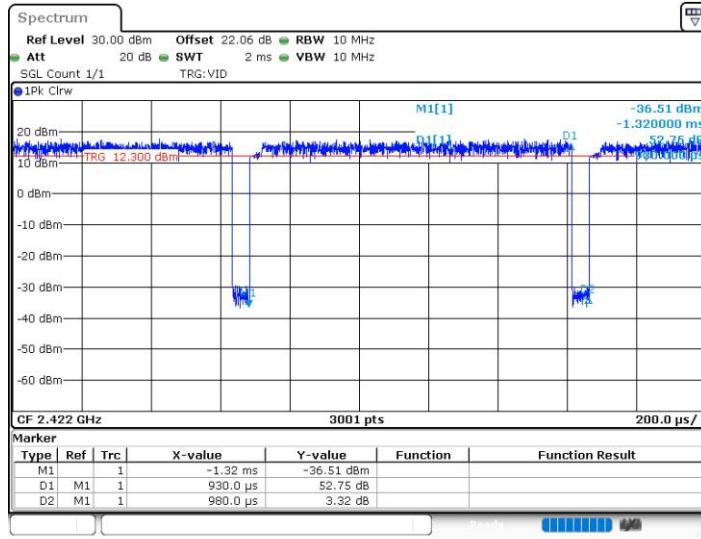


11N20SISO\_Ant1\_2412



Date: 2.MAY.2022 15:08:37

11N40SISO\_Ant1\_2422

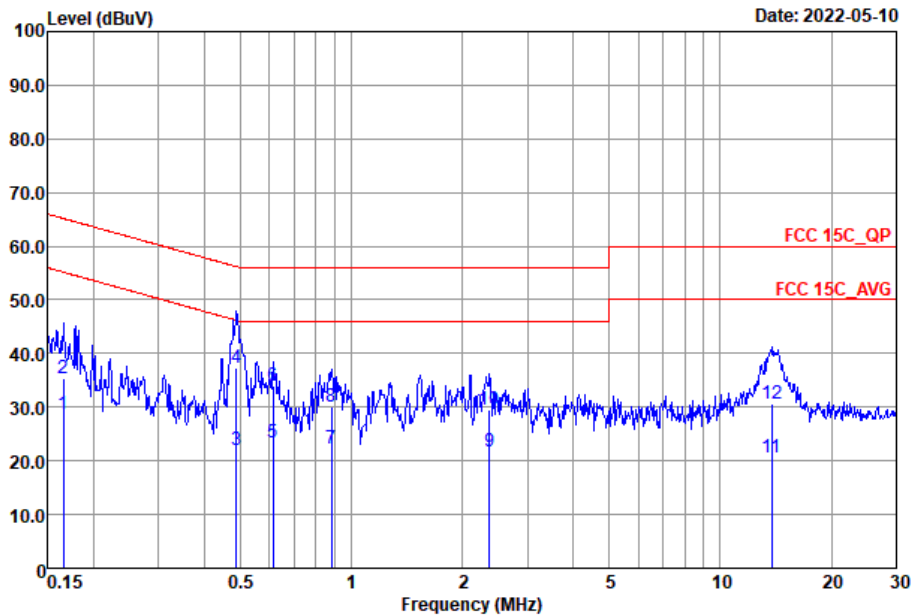


Date: 2.MAY.2022 15:11:48



## Appendix B. AC Conducted Emission Test Results

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

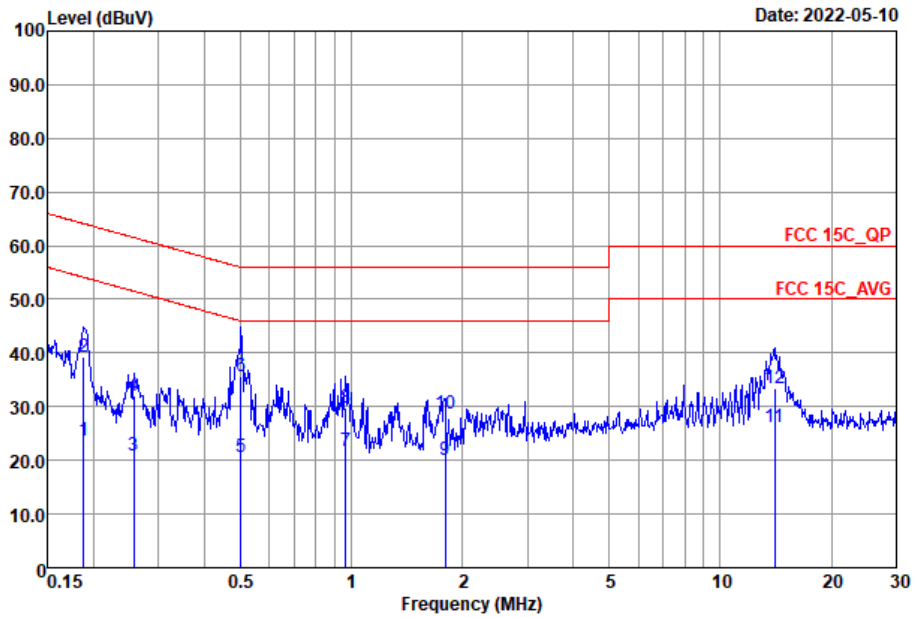


Site : CO02-SZ  
Condition : FCC 15C\_QP LISN\_2022\_L

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.17	28.74	-26.42	55.16	9.09	9.62	10.03	Average
2	0.17	35.44	-29.72	65.16	15.79	9.62	10.03	QP
3	0.49	21.89	-24.30	46.19	2.20	9.65	10.04	Average
4 *	0.49	37.39	-18.80	56.19	17.70	9.65	10.04	QP
5	0.61	23.30	-22.70	46.00	3.60	9.66	10.04	Average
6	0.61	34.00	-22.00	56.00	14.30	9.66	10.04	QP
7	0.88	22.28	-23.72	46.00	2.49	9.73	10.06	Average
8	0.88	29.98	-26.02	56.00	10.19	9.73	10.06	QP
9	2.37	21.64	-24.36	46.00	1.80	9.78	10.06	Average
10	2.37	29.44	-26.56	56.00	9.60	9.78	10.06	QP
11	13.77	20.70	-29.30	50.00	0.50	9.96	10.24	Average
12	13.77	30.70	-29.30	60.00	10.50	9.96	10.24	QP



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



Site : CO02-SZ  
Condition : FCC 15C\_QP LISN\_2022\_N

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.19	23.75	-30.36	54.11	4.11	9.62	10.02	Average
2	0.19	39.15	-24.96	64.11	19.51	9.62	10.02	QP
3	0.26	20.86	-30.65	51.51	1.20	9.64	10.02	Average
4	0.26	32.06	-29.45	61.51	12.40	9.64	10.02	QP
5	0.50	20.65	-25.35	46.00	1.00	9.61	10.04	Average
6 *	0.50	35.55	-20.45	56.00	15.90	9.61	10.04	QP
7	0.96	21.78	-24.22	46.00	2.10	9.62	10.06	Average
8	0.96	29.78	-26.22	56.00	10.10	9.62	10.06	QP
9	1.80	20.17	-25.83	46.00	0.50	9.62	10.05	Average
10	1.80	28.57	-27.43	56.00	8.90	9.62	10.05	QP
11	14.06	26.09	-23.91	50.00	6.00	9.85	10.24	Average
12	14.06	33.49	-26.51	60.00	13.40	9.85	10.24	QP

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

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11b CH 01 2412MHz		2338.875	53	-21	74	50.02	31.86	4.81	33.69	112	15	P	H
		2390	39.94	-14.06	54	36.79	31.9	4.91	33.66	112	15	A	H
	*	2412	109.97	-	-	106.72	31.97	4.93	33.65	112	15	P	H
	*	2412	106.91	-	-	103.66	31.97	4.93	33.65	112	15	A	H
		2386.335	52.79	-21.21	74	49.64	31.9	4.91	33.66	311	231	P	V
		2390	39.04	-14.96	54	35.89	31.9	4.91	33.66	311	231	A	V
	*	2412	105.4	-	-	102.15	31.97	4.93	33.65	311	231	P	V
	*	2412	102.36	-	-	99.11	31.97	4.93	33.65	311	231	A	V
802.11b CH 06 2437MHz		2388.54	52.48	-21.52	74	49.33	31.9	4.91	33.66	112	14	P	H
		2389.8	39.03	-14.97	54	35.88	31.9	4.91	33.66	112	14	A	H
	*	2437	109.47	-	-	106.04	32.12	4.96	33.65	112	14	P	H
	*	2437	106.41	-	-	102.98	32.12	4.96	33.65	112	14	A	H
		2483.55	52.45	-21.55	74	48.95	32.13	4.99	33.62	112	14	P	H
		2483.5	40.09	-13.91	54	36.59	32.13	4.99	33.62	112	14	A	H
		2388.4	52.16	-21.84	74	49.01	31.9	4.91	33.66	310	260	P	V
		2389.52	38.78	-15.22	54	35.63	31.9	4.91	33.66	310	260	A	V
	*	2437	106.04	-	-	102.61	32.12	4.96	33.65	310	260	P	V
	*	2437	102.9	-	-	99.47	32.12	4.96	33.65	310	260	A	V
		2484.11	53.37	-20.63	74	49.87	32.13	4.99	33.62	310	260	P	V
		2483.62	39.6	-14.4	54	36.1	32.13	4.99	33.62	310	260	A	V



802.11b CH 11 2462MHz	*	2462	109.34	-	-	105.81	32.18	4.98	33.63	107	14	P	H
	*	2462	106.11	-	-	102.58	32.18	4.98	33.63	107	14	A	H
		2487.08	56.48	-17.52	74	52.98	32.13	4.99	33.62	107	14	P	H
		2483.52	42.42	-11.58	54	38.92	32.13	4.99	33.62	107	14	A	H
	*	2462	107.18	-	-	103.65	32.18	4.98	33.63	313	263	P	V
	*	2462	103.98	-	-	100.45	32.18	4.98	33.63	313	263	A	V
		2486.92	55.8	-18.2	74	52.3	32.13	4.99	33.62	313	263	P	V
		2483.52	41.19	-12.81	54	37.69	32.13	4.99	33.62	313	263	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.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11b CH 01 2412MHz		4824	49.39	-24.61	74	61.34	33.85	7.11	52.91	-	-	P	H
		4824	51.74	-22.26	74	63.69	33.85	7.11	52.91	327	214	P	V
802.11b CH 06 2437MHz		4874	50.64	-23.36	74	62.49	33.8	7.19	52.84	-	-	P	H
		7311	44.42	-29.58	74	54.16	35.62	8.76	54.12	-	-	P	H
		4874	50	-24	74	61.85	33.8	7.19	52.84	-	-	P	V
		7311	42.83	-31.17	74	52.57	35.62	8.76	54.12	-	-	P	V
802.11b CH 11 2462MHz		4924	45.36	-28.64	74	57.12	33.8	7.22	52.78	-	-	P	H
		7386	43.73	-30.27	74	53.2	35.65	8.95	54.07	-	-	P	H
		4924	48.26	-25.74	74	60.02	33.8	7.22	52.78	-	-	P	V
		7386	42.8	-31.2	74	52.27	35.65	8.95	54.07	-	-	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 )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11g CH 01 2412MHz		2390	59.24	-14.76	74	56.09	31.9	4.91	33.66	140	14	P	H
		2390	43.76	-10.24	54	40.61	31.9	4.91	33.66	140	14	A	H
	*	2412	111.1	-	-	107.85	31.97	4.93	33.65	140	14	P	H
	*	2412	103.07	-	-	99.82	31.97	4.93	33.65	140	14	A	H
		2389.905	57.21	-16.79	74	54.06	31.9	4.91	33.66	366	261	P	V
		2390	42.35	-11.65	54	39.2	31.9	4.91	33.66	366	261	A	V
	*	2412	108.76	-	-	105.51	31.97	4.93	33.65	366	261	P	V
	*	2412	100.51	-	-	97.26	31.97	4.93	33.65	366	261	A	V
802.11g CH 06 2437MHz		2315.6	52.93	-21.07	74	50.14	31.76	4.74	33.71	111	14	P	H
		2389.94	39.68	-14.32	54	36.53	31.9	4.91	33.66	111	14	A	H
	*	2437	111.06	-	-	107.63	32.12	4.96	33.65	111	14	P	H
	*	2437	102.9	-	-	99.47	32.12	4.96	33.65	111	14	A	H
		2483.5	55.36	-18.64	74	51.86	32.13	4.99	33.62	111	14	P	H
		2483.5	42.53	-11.47	54	39.03	32.13	4.99	33.62	111	14	A	H
		2387.98	52.49	-21.51	74	49.34	31.9	4.91	33.66	358	262	P	V
		2389.94	39.03	-14.97	54	35.88	31.9	4.91	33.66	358	262	A	V
	*	2437	108.28	-	-	104.85	32.12	4.96	33.65	358	262	P	V
	*	2437	100.5	-	-	97.07	32.12	4.96	33.65	358	262	A	V
		2485.16	54.35	-19.65	74	50.85	32.13	4.99	33.62	358	262	P	V
		2483.5	41.38	-12.62	54	37.88	32.13	4.99	33.62	358	262	A	V



802.11g CH 11 2462MHz	*	2462	110.39	-	-	106.86	32.18	4.98	33.63	136	14	P	H
	*	2462	102.32	-	-	98.79	32.18	4.98	33.63	136	14	A	H
		2484.04	58.99	-15.01	74	55.49	32.13	4.99	33.62	136	14	P	H
		2483.52	44.81	-9.19	54	41.31	32.13	4.99	33.62	136	14	A	H
	*	2462	109.69	-	-	106.16	32.18	4.98	33.63	363	262	P	V
	*	2462	101.22	-	-	97.69	32.18	4.98	33.63	363	262	A	V
		2483.76	56.43	-17.57	74	52.93	32.13	4.99	33.62	363	262	P	V
		2483.52	43.08	-10.92	54	39.58	32.13	4.99	33.62	363	262	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.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11g CH 01 2412MHz		4824	45.52	-28.48	74	57.47	33.85	7.11	52.91	-	-	P	H
		4824	46.61	-27.39	74	58.56	33.85	7.11	52.91	-	-	P	V
802.11g CH 06 2437MHz		4874	44.86	-29.14	74	56.71	33.8	7.19	52.84	-	-	P	H
		7311	43.51	-30.49	74	53.25	35.62	8.76	54.12	-	-	P	H
		4874	45.53	-28.47	74	57.38	33.8	7.19	52.84	-	-	P	V
		7311	42.62	-31.38	74	52.36	35.62	8.76	54.12	-	-	P	V
802.11g CH 11 2462MHz		4924	43.72	-30.28	74	55.48	33.8	7.22	52.78	-	-	P	H
		7386	43.69	-30.31	74	53.16	35.65	8.95	54.07	-	-	P	H
		4924	45.02	-28.98	74	56.78	33.8	7.22	52.78	-	-	P	V
		7386	44.43	-29.57	74	53.9	35.65	8.95	54.07	-	-	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)

Table with 14 columns: WIFI Ant. 1, Note, Frequency (MHz), Level (dBµV/m), Margin (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11n HT20 CH 01 (2412MHz) and CH 06 (2437MHz).



802.11n HT20 CH 11 2462MHz	*	2462	111.19	-	-	107.66	32.18	4.98	33.63	105	14	P	H
	*	2462	102.34	-	-	98.81	32.18	4.98	33.63	105	14	A	H
		2483.52	60	-14	74	56.5	32.13	4.99	33.62	105	14	P	H
		2483.56	48.33	-5.67	54	44.83	32.13	4.99	33.62	105	14	A	H
	*	2462	109.14	-	-	105.61	32.18	4.98	33.63	363	261	P	V
	*	2462	100.93	-	-	97.4	32.18	4.98	33.63	363	261	A	V
		2484.04	57.39	-16.61	74	53.89	32.13	4.99	33.62	363	261	P	V
		2483.52	45.46	-8.54	54	41.96	32.13	4.99	33.62	363	261	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	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11n HT20 CH 01 2412MHz		4824	46.31	-27.69	74	58.26	33.85	7.11	52.91	-	-	P	H
		4824	45.51	-28.49	74	57.46	33.85	7.11	52.91	-	-	P	V
802.11n HT20 CH 06 2437MHz		4874	45.64	-28.36	74	57.49	33.8	7.19	52.84	-	-	P	H
		7311	43.15	-30.85	74	52.89	35.62	8.76	54.12	-	-	P	H
		4874	45.24	-28.76	74	57.09	33.8	7.19	52.84	-	-	P	V
		7311	42.74	-31.26	74	52.48	35.62	8.76	54.12	-	-	P	V
802.11n HT20 CH 11 2462MHz		4924	44.05	-29.95	74	55.81	33.8	7.22	52.78	-	-	P	H
		7386	43.09	-30.91	74	52.56	35.65	8.95	54.07	-	-	P	H
		4924	45.08	-28.92	74	56.84	33.8	7.22	52.78	-	-	P	V
		7386	43.34	-30.66	74	52.81	35.65	8.95	54.07	-	-	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)

Table with 14 columns: WIFI Ant. 1, Note, Frequency (MHz), Level (dBµV/m), Margin (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11n HT40 CH 03 (2422MHz) and 802.11n HT40 CH 06 (2437MHz).



802.11n HT40 CH 09 2452MHz		2388.68	52.91	-21.09	74	49.76	31.9	4.91	33.66	113	14	P	H
		2389.38	40.95	-13.05	54	37.8	31.9	4.91	33.66	113	14	A	H
	*	2452	105.71	-	-	102.18	32.2	4.96	33.63	113	14	P	H
	*	2452	97.85	-	-	94.32	32.2	4.96	33.63	113	14	A	H
		2484.53	62.46	-11.54	74	58.96	32.13	4.99	33.62	113	14	P	H
		2483.5	50.51	-3.49	54	47.01	32.13	4.99	33.62	113	14	A	H
		2388.12	52.67	-21.33	74	49.52	31.9	4.91	33.66	360	262	P	V
		2388.26	40.42	-13.58	54	37.27	31.9	4.91	33.66	360	262	A	V
	*	2452	104.92	-	-	101.39	32.2	4.96	33.63	360	262	P	V
	*	2452	96.93	-	-	93.4	32.2	4.96	33.63	360	262	A	V
		2483.97	60.03	-13.97	74	56.53	32.13	4.99	33.62	360	262	P	V
		2483.76	48.18	-5.82	54	44.68	32.13	4.99	33.62	360	262	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	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
802.11n		4844	45.8	-28.2	74	57.74	33.81	7.14	52.89	-	-	P	H
HT40		7266	43.68	-30.32	74	53.46	35.61	8.75	54.14	-	-	P	H
CH 03		4844	45.6	-28.4	74	57.54	33.81	7.14	52.89	-	-	P	V
2422MHz		7266	43.28	-30.72	74	53.06	35.61	8.75	54.14	-	-	P	V
802.11n		4874	45.9	-28.1	74	57.75	33.8	7.19	52.84	-	-	P	H
HT40		7311	43.94	-30.06	74	53.68	35.62	8.76	54.12	-	-	P	H
CH 06		4874	46.62	-27.38	74	58.47	33.8	7.19	52.84	-	-	P	V
2437MHz		7311	43.01	-30.99	74	52.75	35.62	8.76	54.12	-	-	P	V
802.11n		4904	44.12	-29.88	74	55.91	33.8	7.21	52.8	-	-	P	H
HT40		7356	43.92	-30.08	74	53.5	35.64	8.87	54.09	-	-	P	H
CH 09		4904	45.36	-28.64	74	57.15	33.8	7.21	52.8	-	-	P	V
2452MHz		7356	43.48	-30.52	74	53.06	35.64	8.87	54.09	-	-	P	V



<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.
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**2.4GHz 2400~2483.5MHz**

**Emission below 1GHz**

**2.4GHz WIFI 802.11n HT40 (LF)**

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Margin ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
2.4GHz 802.11n HT40 LF		48.43	18.86	-21.14	40	38	15.23	0.71	35.08	-	-	P	H
		149.31	19.07	-24.43	43.5	36.11	16.79	1.27	35.1	-	-	P	H
		249.22	27.33	-18.67	46	42.32	18.35	1.66	35	-	-	P	H
		268.62	32.97	-13.03	46	47.02	19.19	1.72	34.96	-	-	P	H
		480.08	23.17	-22.83	46	32.49	23.04	2.34	34.7	-	-	P	H
		787.57	29.78	-16.22	46	34.99	26.04	3.07	34.32	-	-	P	H
		43.58	30.51	-9.49	40	47.33	17.55	0.67	35.04	-	-	P	V
		111.48	23.02	-20.48	43.5	39.62	17.49	1.09	35.18	-	-	P	V
		178.41	22.16	-21.34	43.5	40.62	15.28	1.36	35.1	-	-	P	V
		268.62	26.2	-19.8	46	40.25	19.19	1.72	34.96	-	-	P	V
		370.47	21.58	-24.42	46	33.53	20.87	2.04	34.86	-	-	P	V
	691.54	27.43	-18.57	46	34.21	24.88	2.84	34.5	-	-	P	V	

<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line.
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<Simultaneous transmission>

2.4GHz 2400~2483.5MHz

11n40\_TX\_CH09 2452MHz & LTE Band7 (Band Edge @ 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+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )
11n40_TX CH09 2452MHz & LTE Band7		2386.02	52.88	-21.12	74	49.73	31.9	4.91	33.66	187	350	P	H
		2389.24	40.26	-13.74	54	37.11	31.9	4.91	33.66	187	350	A	H
		2452	103.87	-	-	100.34	32.2	4.96	33.63	187	350	P	H
		2452	95.84	-	-	92.31	32.2	4.96	33.63	187	350	A	H
		2483.62	54.34	-19.66	74	50.84	32.13	4.99	33.62	187	350	P	H
		2483.9	42.86	-11.14	54	39.36	32.13	4.99	33.62	187	350	A	H
		2364.18	52.42	-21.58	74	49.36	31.9	4.84	33.68	390	91	P	V
		2366.98	40.15	-13.85	54	37.09	31.9	4.84	33.68	390	91	A	V
		2452	99.71	-	-	96.18	32.2	4.96	33.63	390	91	P	V
		2452	91.15	-	-	87.62	32.2	4.96	33.63	390	91	A	V
		2488.31	52.26	-21.74	74	48.75	32.12	5.01	33.62	390	91	P	V
		2484.95	40.81	-13.19	54	37.31	32.13	4.99	33.62	390	91	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

11n40\_TX\_CH09 2452MHz & LTE Band7 (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+2		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
11n40_TX_CH09 2452MHz & LTE Band7	*	4904	44.38	-29.62	74	56.17	33.8	7.21	52.8	187	350	P	H
		5052	49.82	-24.18	74	61.29	33.9	7.32	52.69	187	350	A	H
		7356	44.5	-29.5	74	54.08	35.64	8.87	54.09	187	350	P	H
		7578	47.71	-26.29	74	56.9	35.7	9.06	53.95	187	350	P	H
		10104	49.16	-24.84	74	54.37	36.98	10.66	52.85	187	350	P	H
	*	4904	45.47	-28.53	74	57.26	33.8	7.21	52.8	187	350	A	V
		5052	55.83	-18.17	74	67.3	33.9	7.32	52.69	390	91	P	V
		7356	43.87	-30.13	74	53.45	35.64	8.87	54.09	390	91	A	V
		7578	51.92	-22.08	74	61.11	35.7	9.06	53.95	390	91	P	V
		10104	49.19	-24.81	74	54.4	36.98	10.66	52.85	390	91	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Note symbol

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



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

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

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

**For Peak Limit @ 2390MHz:**

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

**For Average Limit @ 2390MHz:**

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

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