

Appendix E for 2.4G WIFI Test Data

Product Name: Single channel dimming controller

Test Model: ERC1201

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Li
Supervised by:	Li Huan

F.1 RF Output Power

Test Result

Test Condition	TestMode	Antenna	Channel	EIRP[dBm]	Limit[dBm]	Verdict
NVNT	11B	Ant1	2412	12.05	20	PASS
			2442	11.64	20	PASS
			2472	10.94	20	PASS
	11G	Ant1	2412	10.11	20	PASS
			2442	11.32	20	PASS
			2472	8.92	20	PASS
	11N20SISO	Ant1	2412	10.33	20	PASS
			2442	9.80	20	PASS
			2472	8.81	20	PASS

Test Condition	TestMode	Antenna	Channel	EIRP[dBm]	Limit[dBm]	Verdict
NVLT	11B	Ant1	2412	12.03	20	PASS
			2442	11.59	20	PASS
			2472	10.84	20	PASS
	11G	Ant1	2412	10.08	20	PASS
			2442	11.29	20	PASS
			2472	8.89	20	PASS
	11N20SISO	Ant1	2412	10.29	20	PASS
			2442	9.72	20	PASS
			2472	8.80	20	PASS

Test Condition	TestMode	Antenna	Channel	EIRP[dBm]	Limit[dBm]	Verdict
NVHT	11B	Ant1	2412	12.02	20	PASS
			2442	11.60	20	PASS
			2472	10.91	20	PASS
	11G	Ant1	2412	10.09	20	PASS
			2442	11.27	20	PASS
			2472	8.91	20	PASS
	11N20SISO	Ant1	2412	10.25	20	PASS
			2442	9.73	20	PASS
			2472	8.76	20	PASS

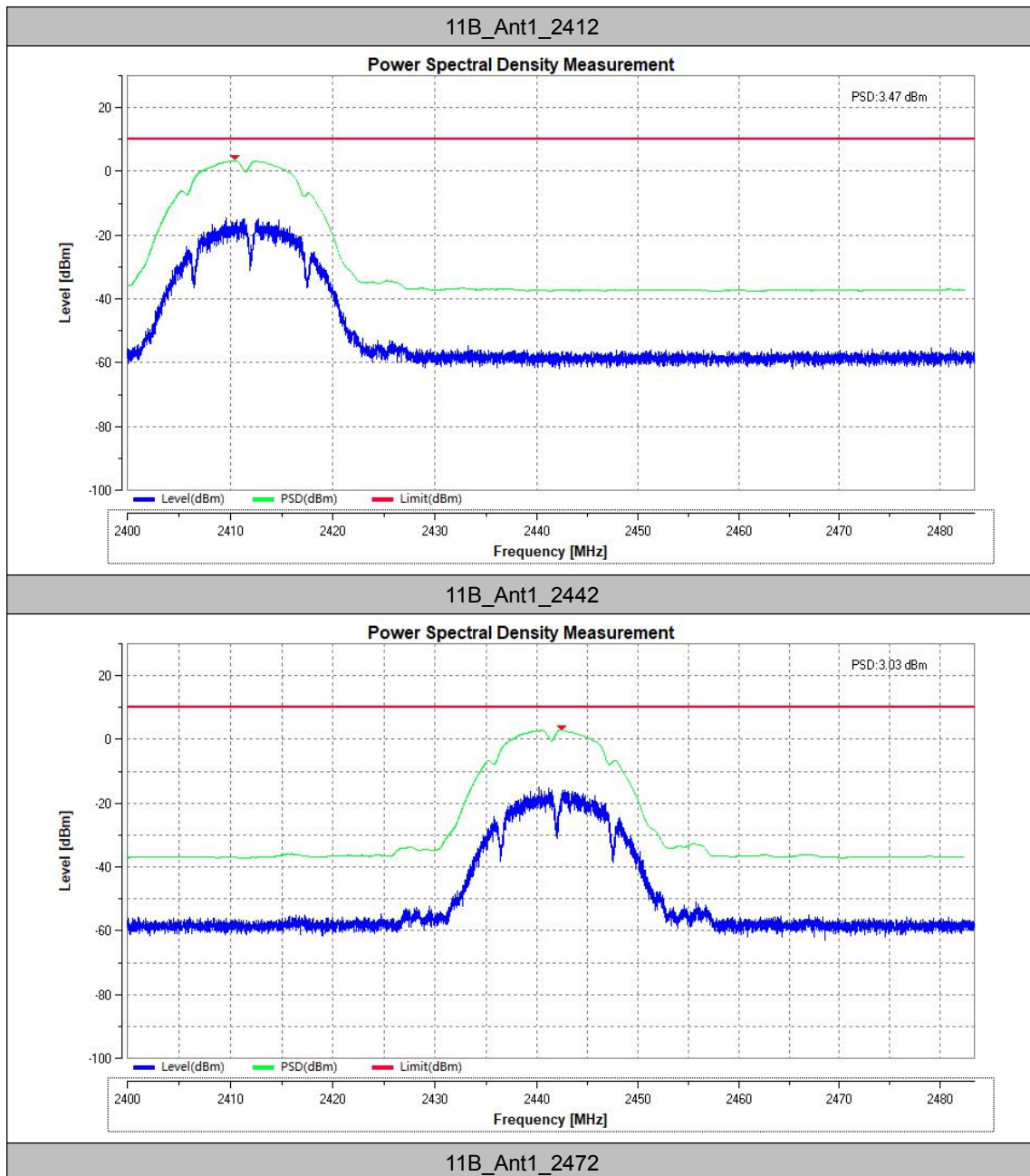
***Note: 20 bursts had been captured for power measurement.

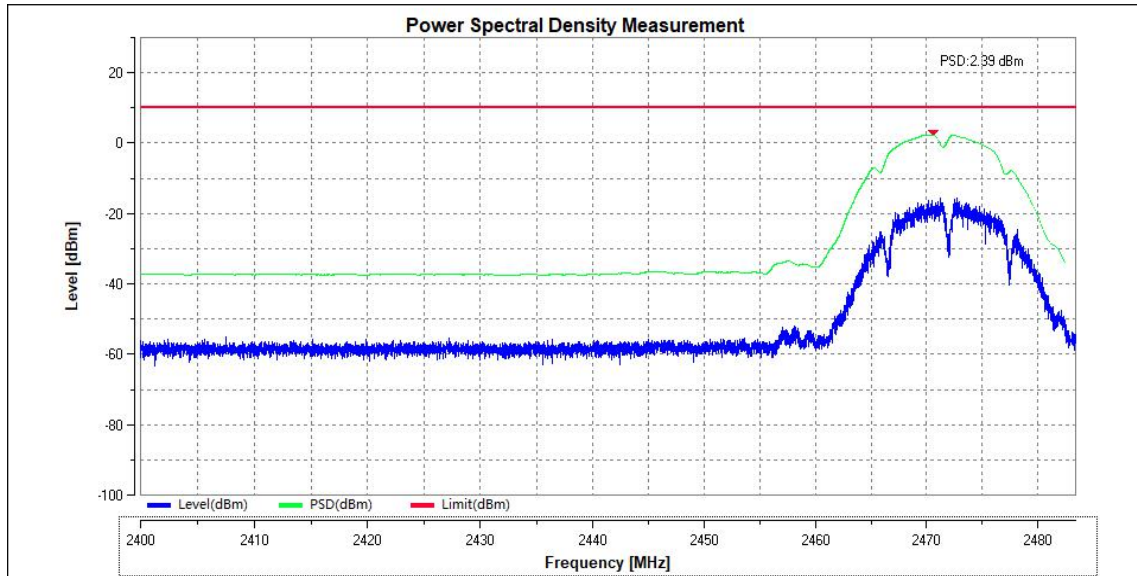
F.2 Power Spectral Density

Test Result

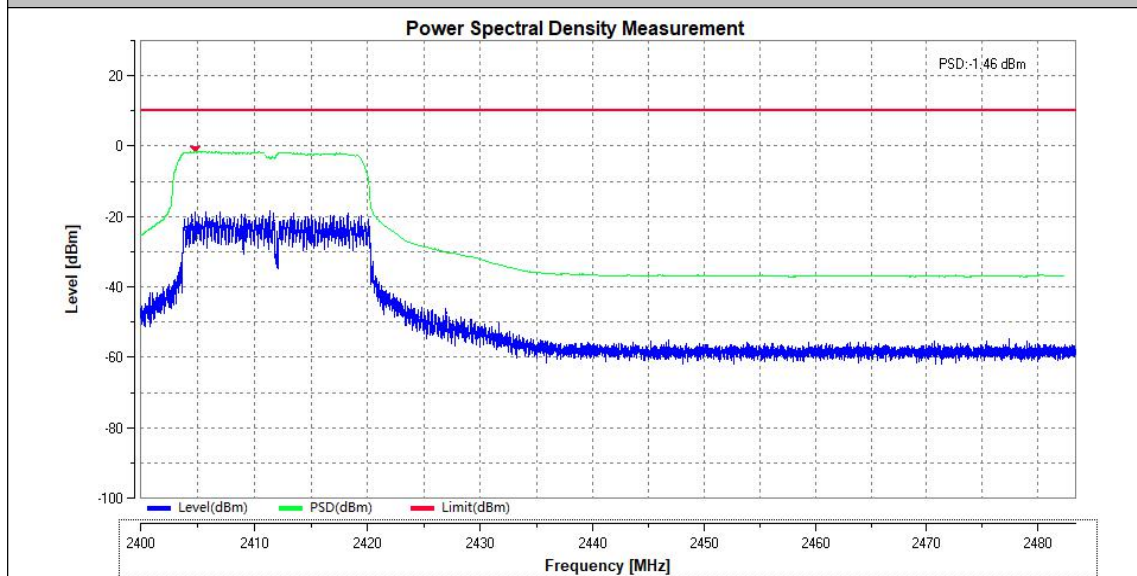
TestMode	Antenna	Channel	PSD[dBm/MHz]	Limit[dBm/MHz]	Verdict
11B	Ant1	2412	3.47	10	PASS
		2442	3.03	10	PASS
		2472	2.39	10	PASS
11G	Ant1	2412	-1.46	10	PASS
		2442	-0.35	10	PASS
		2472	-2.58	10	PASS
11N20SISO	Ant1	2412	-1.27	10	PASS
		2442	-2.02	10	PASS
		2472	-2.75	10	PASS

Test Graphs

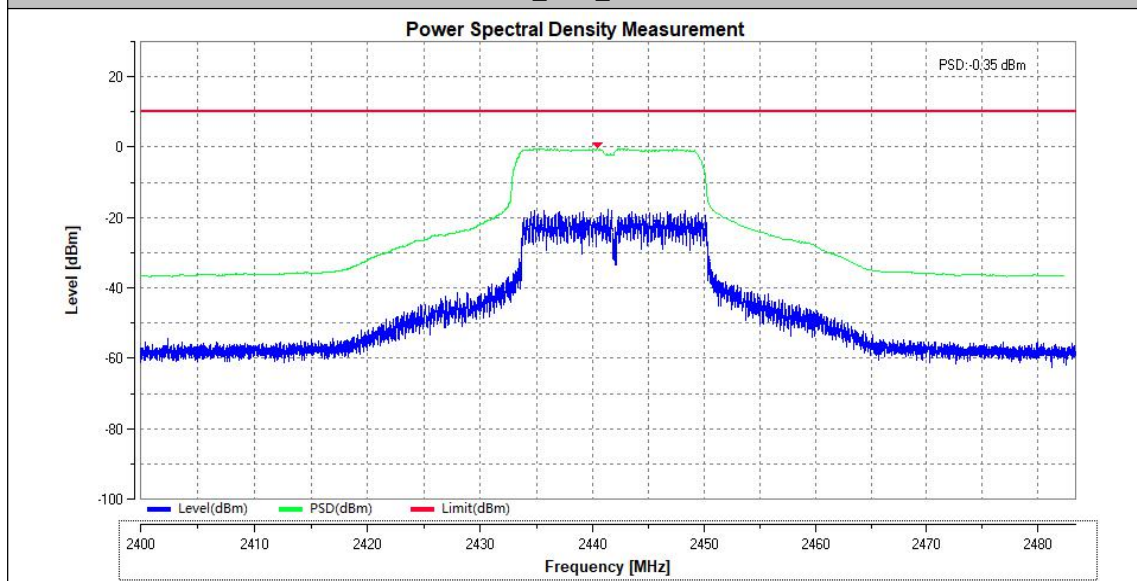




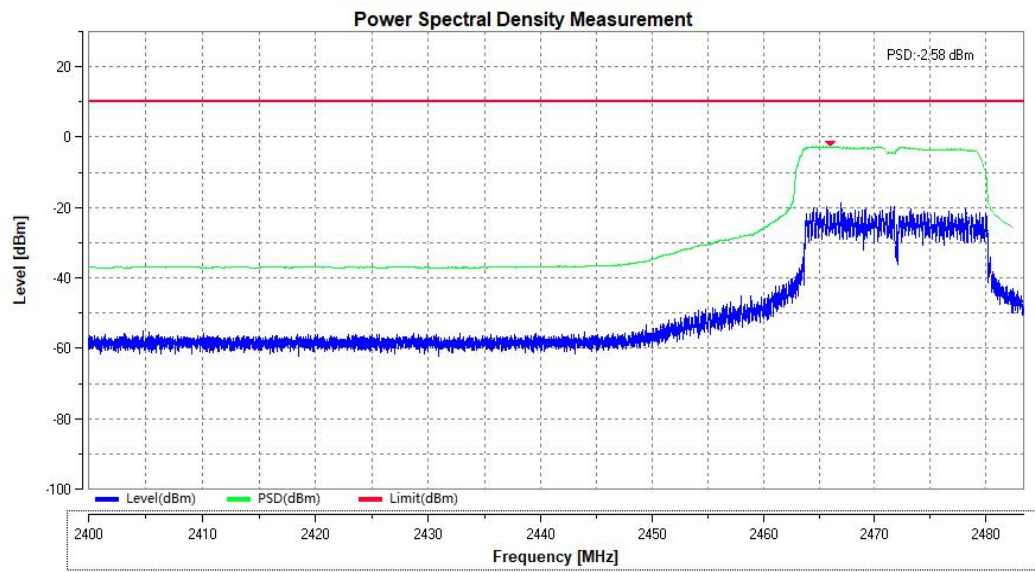
11G_Ant1_2412



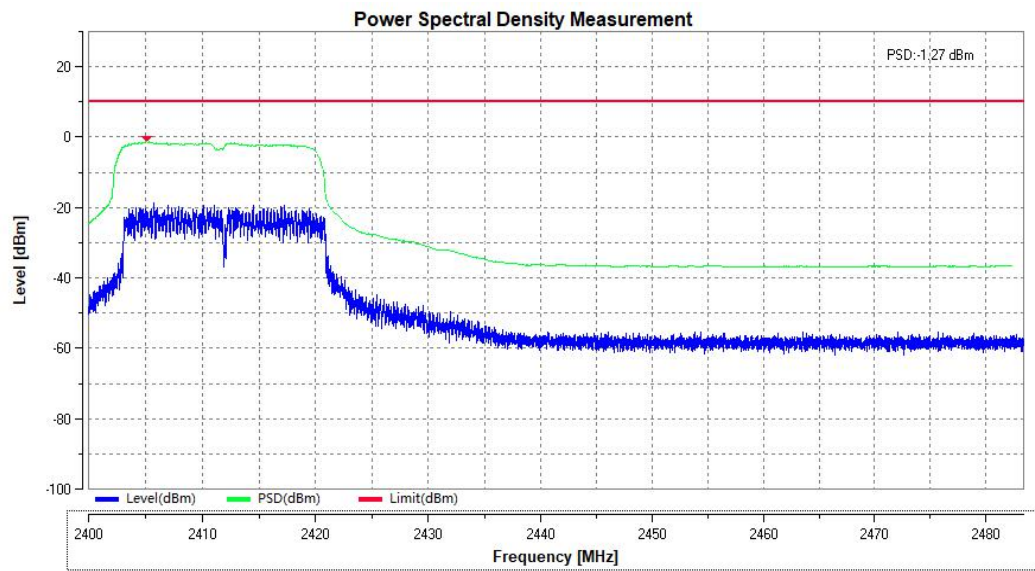
11G_Ant1_2442



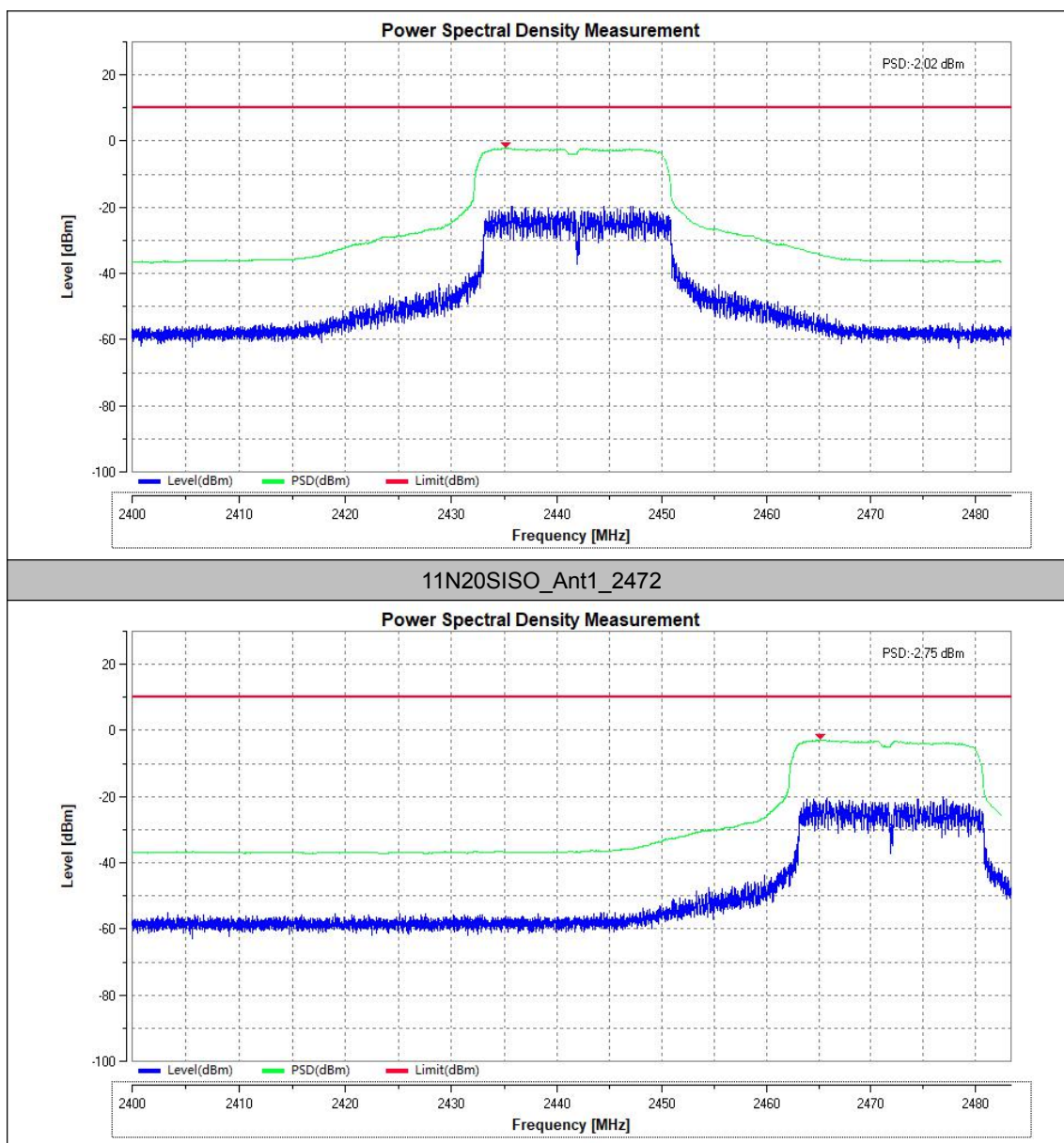
11G_Ant1_2472



11N20SISO_Ant1_2412



11N20SISO_Ant1_2442

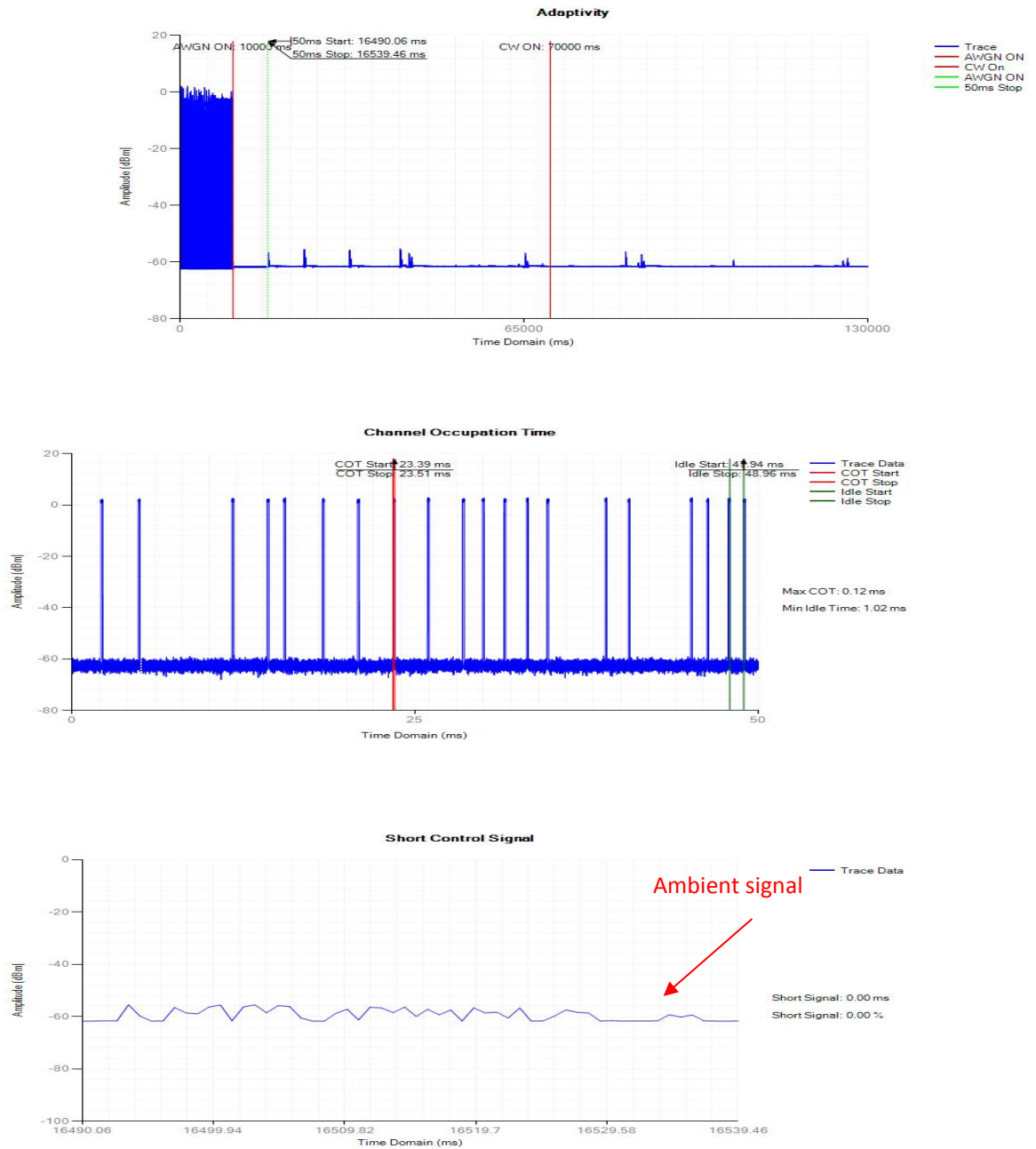


F.3 Adaptivity

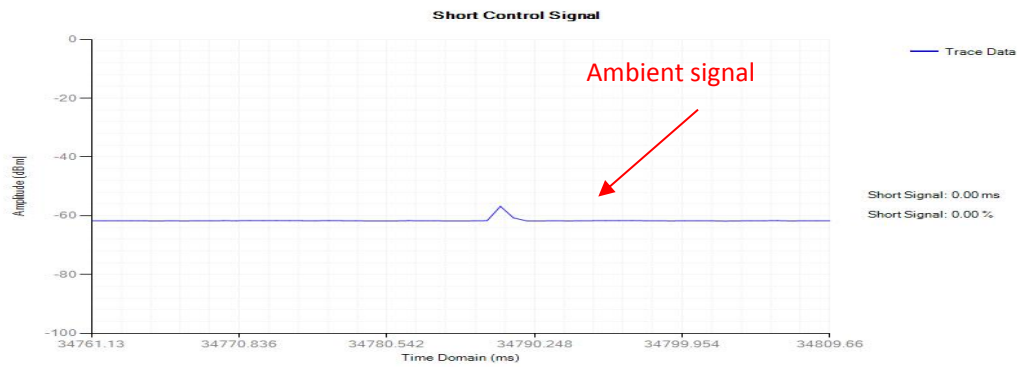
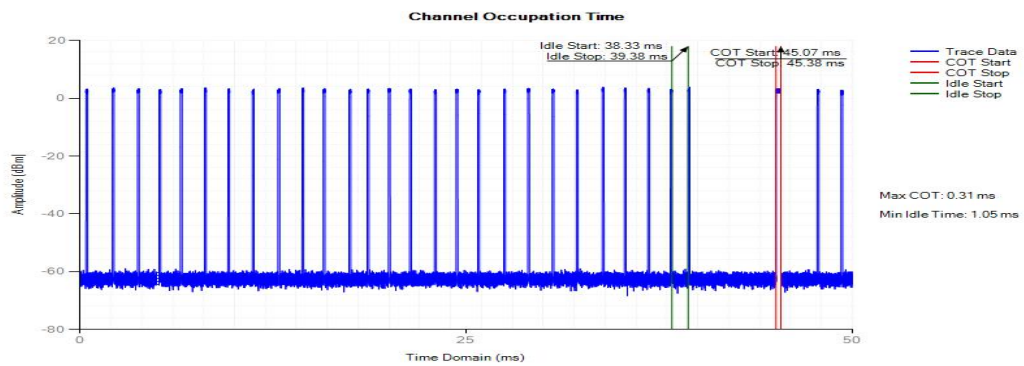
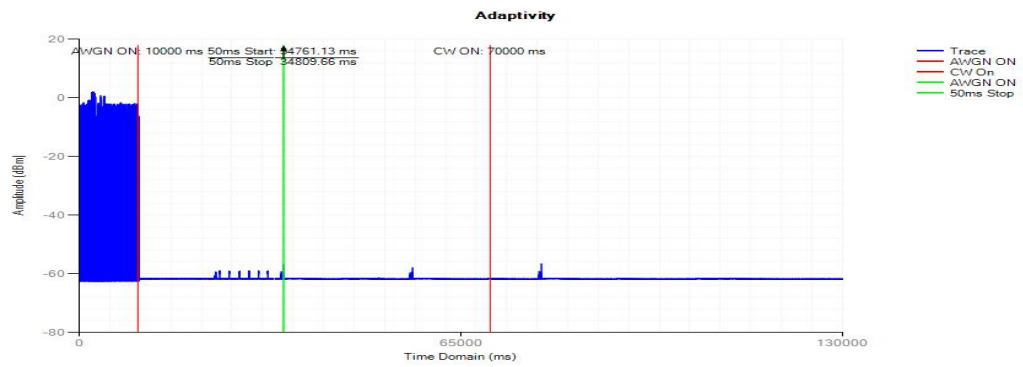
Summary Of Test Result		
Test Mode	Channel	Conclusion
802.11b	Low	Pass
	High	Pass
802.11g	Low	Pass
	High	Pass
802.11n20	Low	Pass
	High	Pass
Note: All modulation of EUT which maximum output power is more than 10dbm have been tested.		

The Worst Test Mode	802.11b: Low Channel
AWGN Interference Level (dBm)	-57.10
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max. COT (ms)	0.12
Pulse width (ms)	0
Duty Cycle (%)	0
The Worst Test Mode	802.11b: High Channel
AWGN Interference Level (dBm)	-55.17
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max COT (ms)	0.31
Pulse width (ms)	0
Duty Cycle (%)	0

Test plot (802.11b-Low channel):

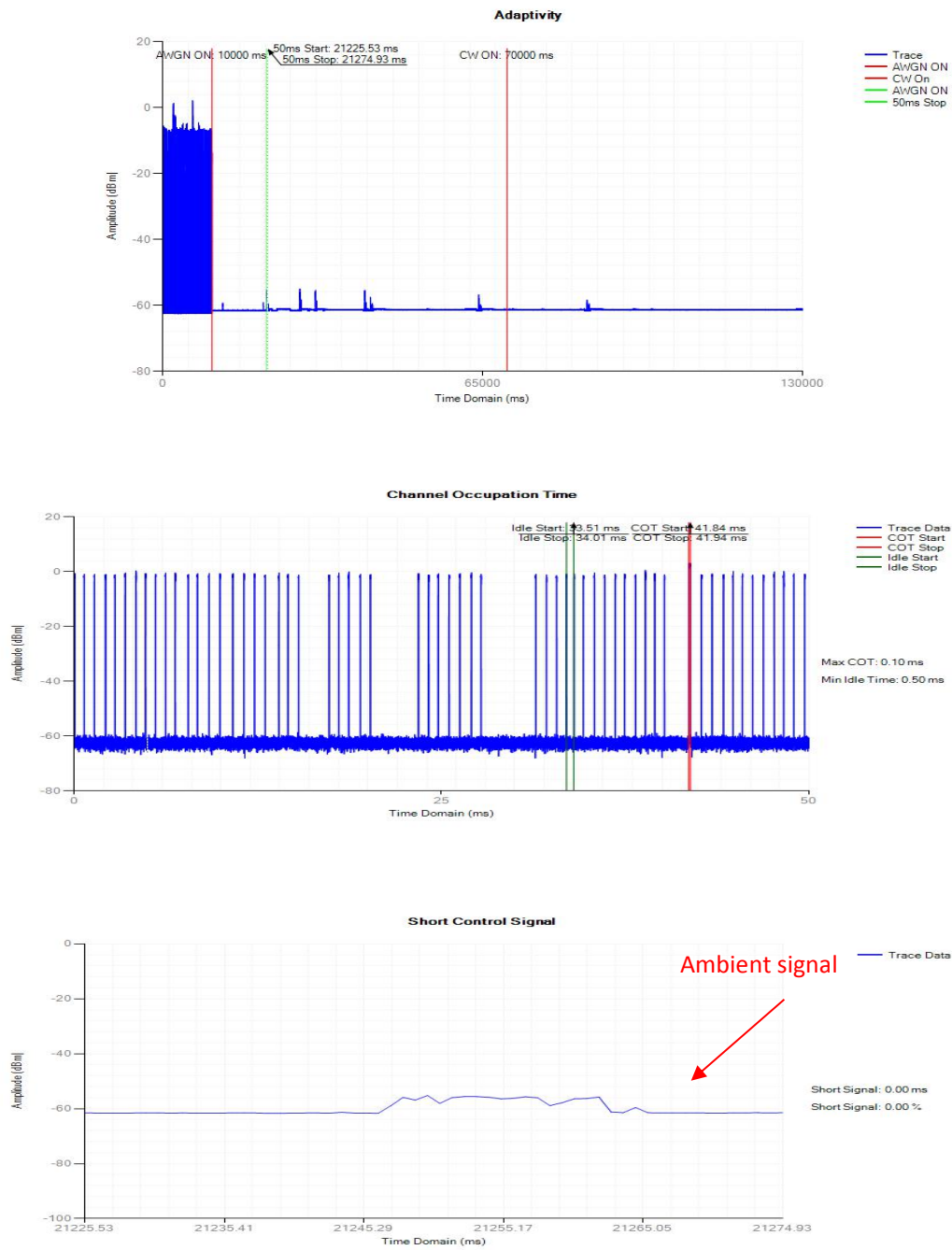


Test plot (802.11b-High channel):

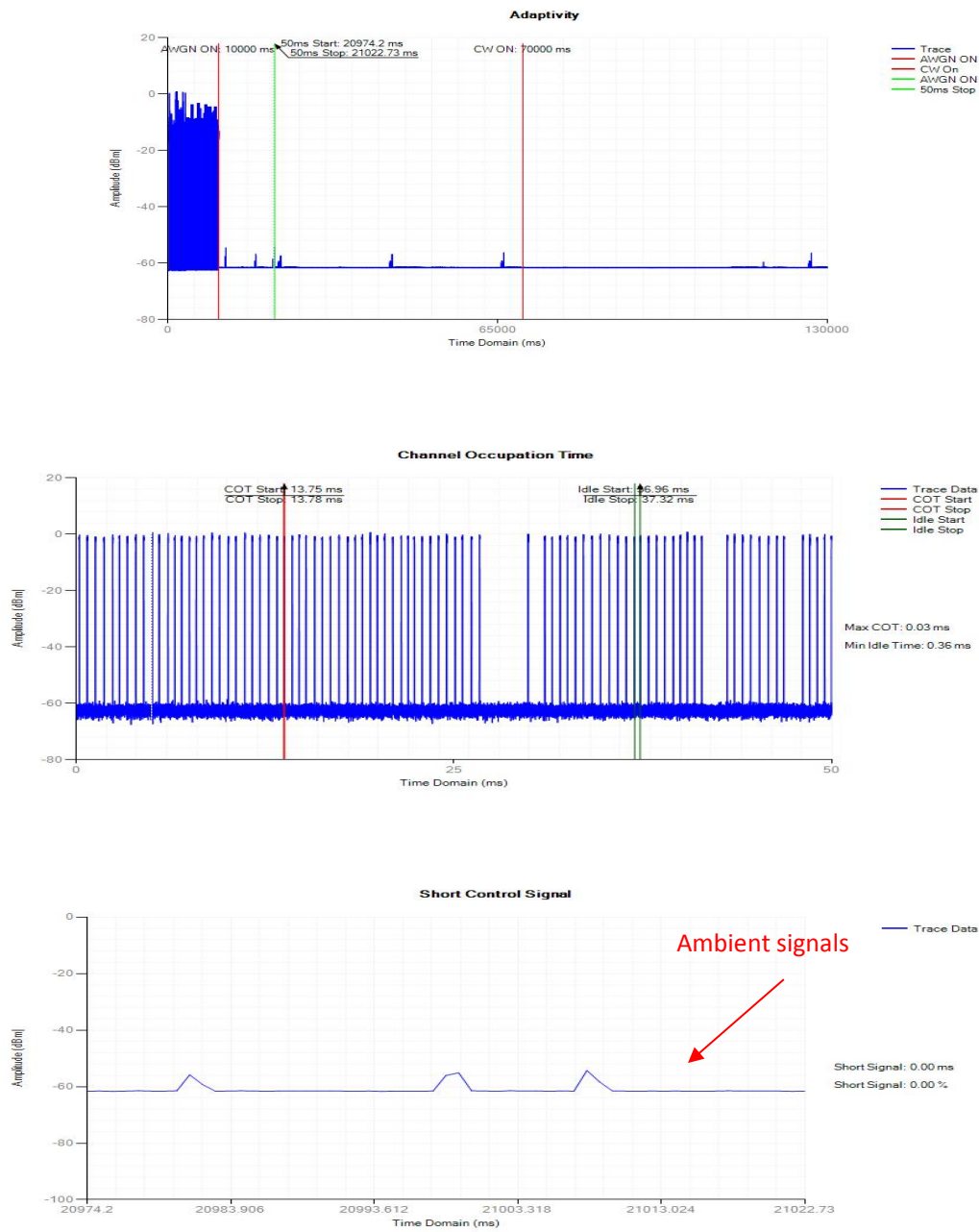


Test Mode	802.11g: Low Channel
AWGN Interference Level (dBm)	-56.65
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max COT (ms)	0.1
Pulse width (ms)	0
Duty Cycle (%)	0
Test Mode	802.11g: High Channel
AWGN Interference Level (dBm)	-54.90
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max COT (ms)	0.03
Pulse width (ms)	0
Duty Cycle (%)	0

Test plot (802.11g-Low channel):

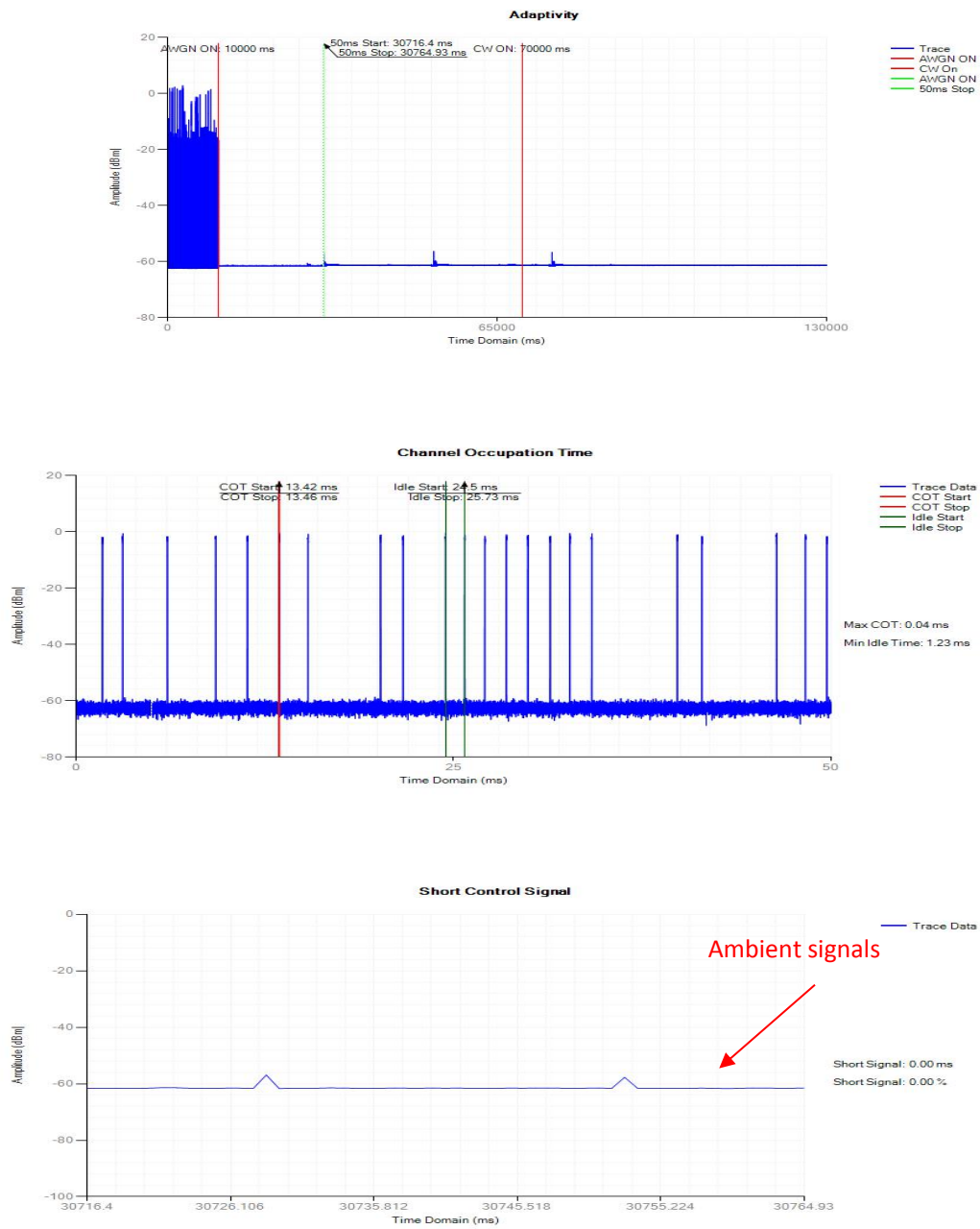


Test plot (802.11g-High channel):

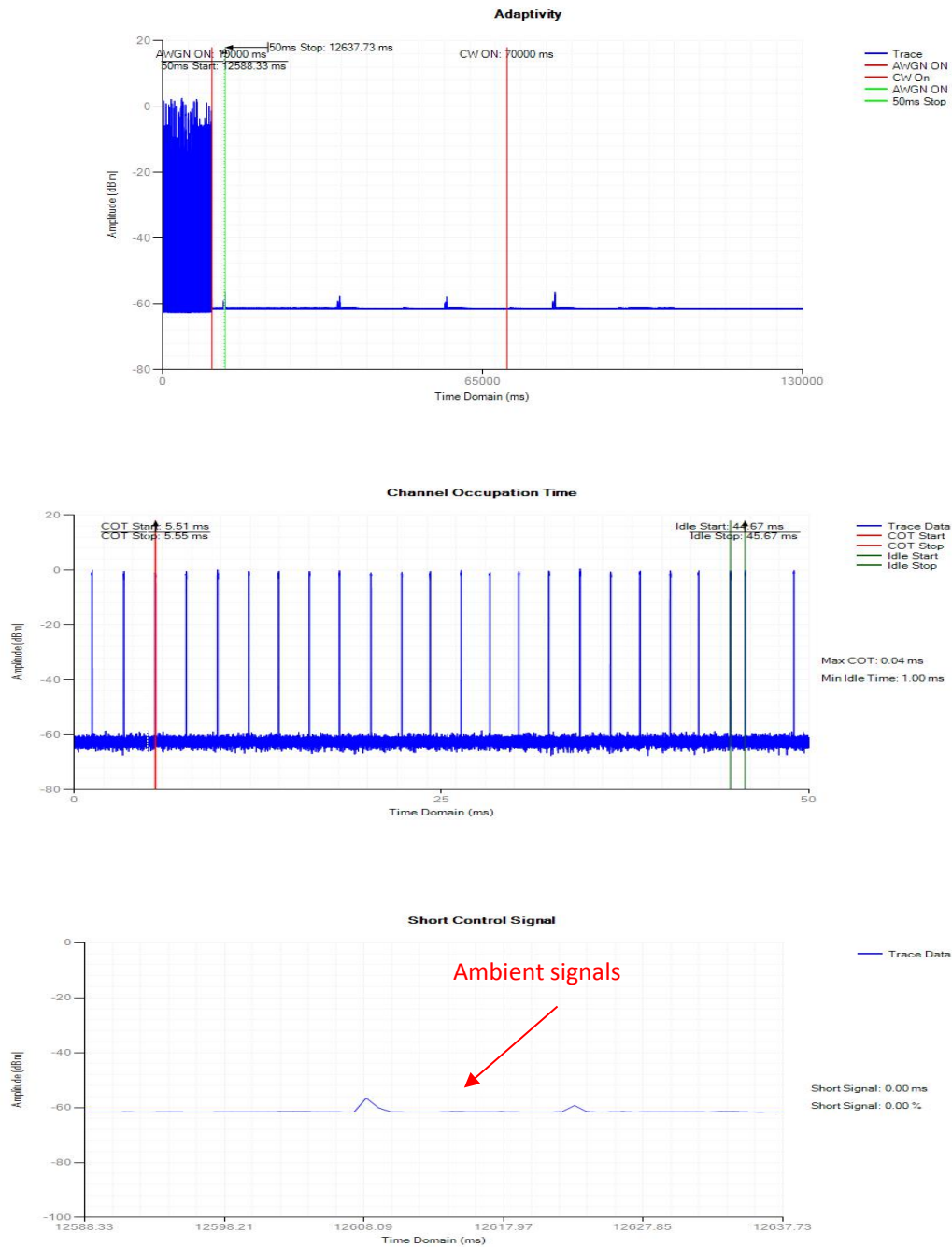


The Worst Test Mode	802.11n20: Low Channel
AWGN Interference Level (dBm)	-57.80
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max. COT (ms)	0.04
Pulse width (ms)	0
Duty Cycle (%)	0
The Worst Test Mode	802.11n20: High Channel
AWGN Interference Level (dBm)	-56.54
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max COT (ms)	0.04
Pulse width (ms)	0
Duty Cycle (%)	0

Test plot (802.11n20-Low channel):



Test plot (802.11n20-High channel):



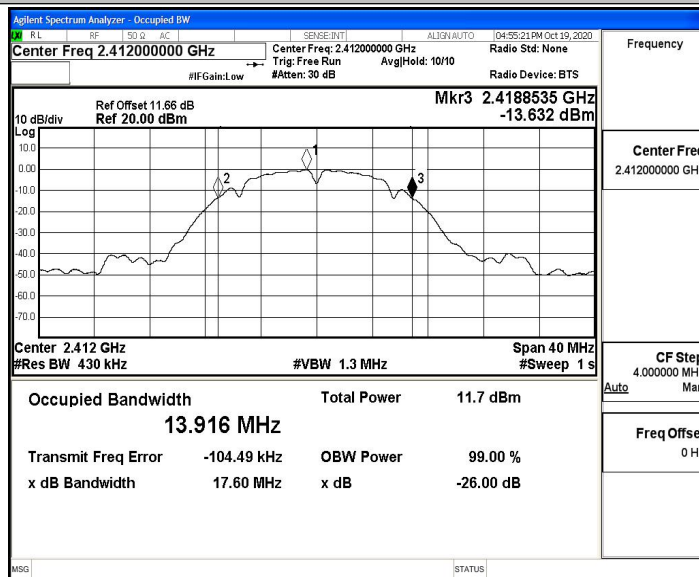
F.4 Occupied Channel Bandwidth

Test Result

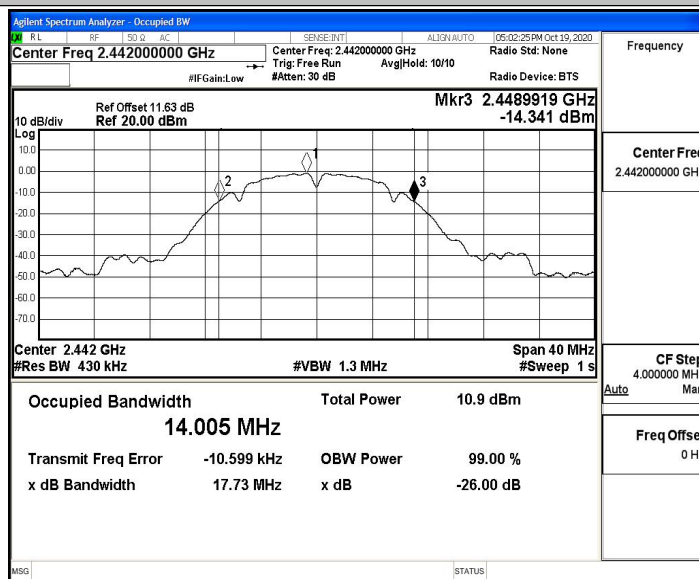
TestMode	Antenna	Channel	OCB[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.916	2404.94	2418.85	2400 to 2483.5	PASS
		2442	14.005	2434.99	2448.99	2400 to 2483.5	PASS
		2472	14.035	2464.91	2478.95	2400 to 2483.5	PASS
11G	Ant1	2412	16.772	2403.58	2420.36	2400 to 2483.5	PASS
		2442	17.013	2433.49	2450.50	2400 to 2483.5	PASS
		2472	16.792	2463.56	2480.36	2400 to 2483.5	PASS
11N20SISO	Ant1	2412	17.955	2402.99	2420.95	2400 to 2483.5	PASS
		2442	18.018	2432.98	2451.00	2400 to 2483.5	PASS
		2472	17.961	2462.98	2480.94	2400 to 2483.5	PASS

Test Graphs

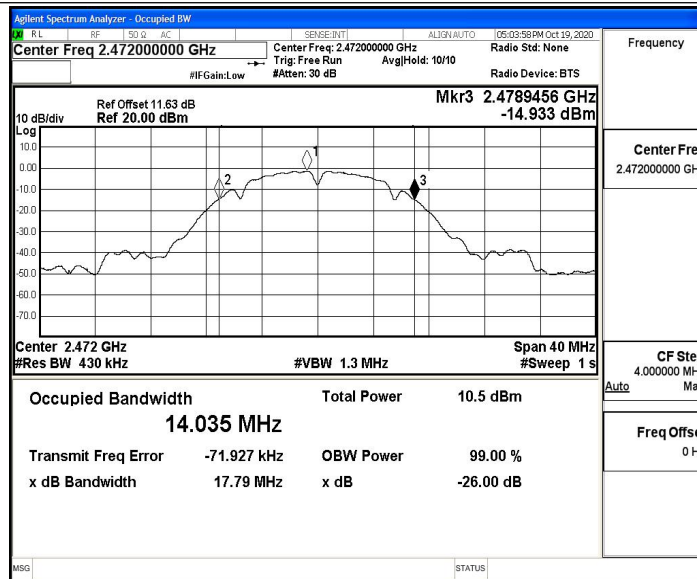
11B_Ant1_2412



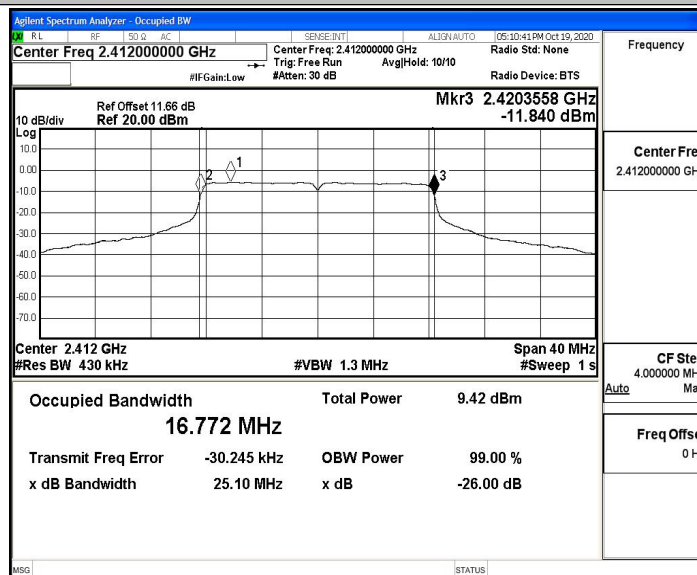
11B_Ant1_2442



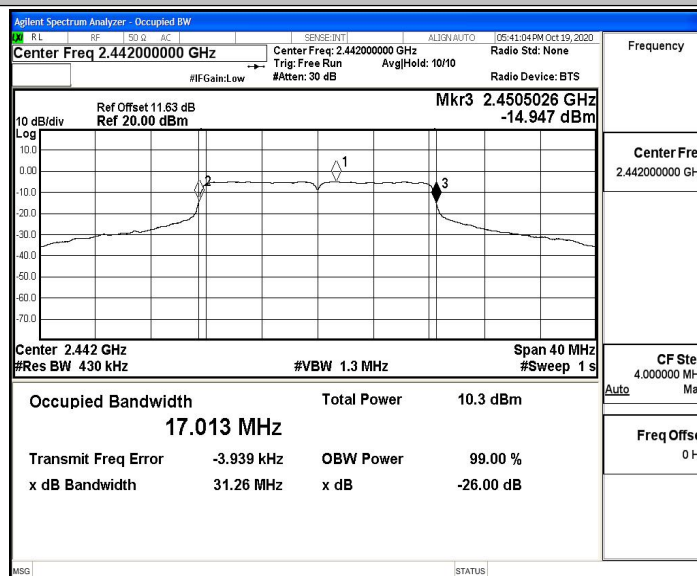
11B_Ant1_2472



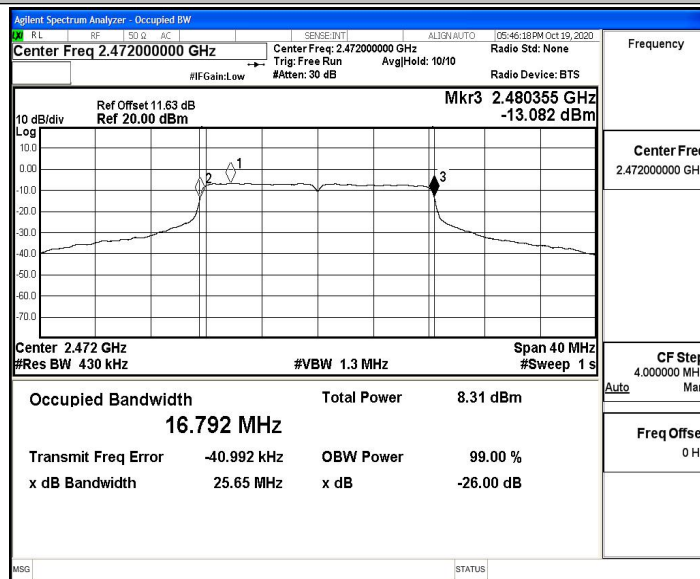
11G_Ant1_2412



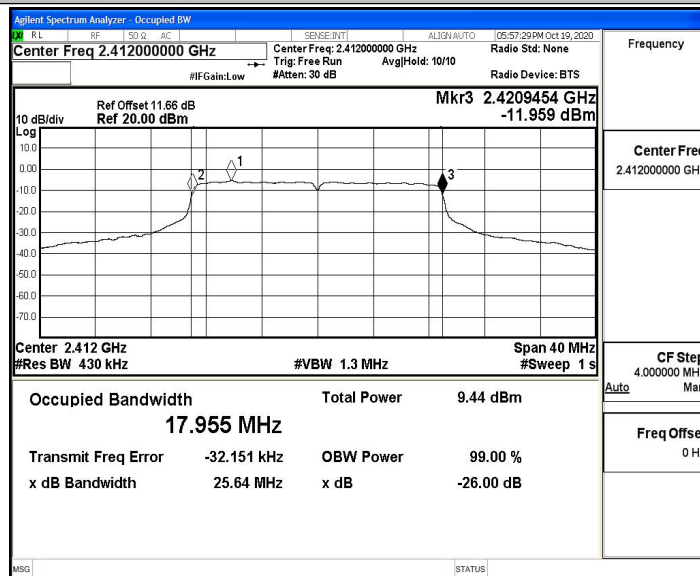
11G_Ant1_2442



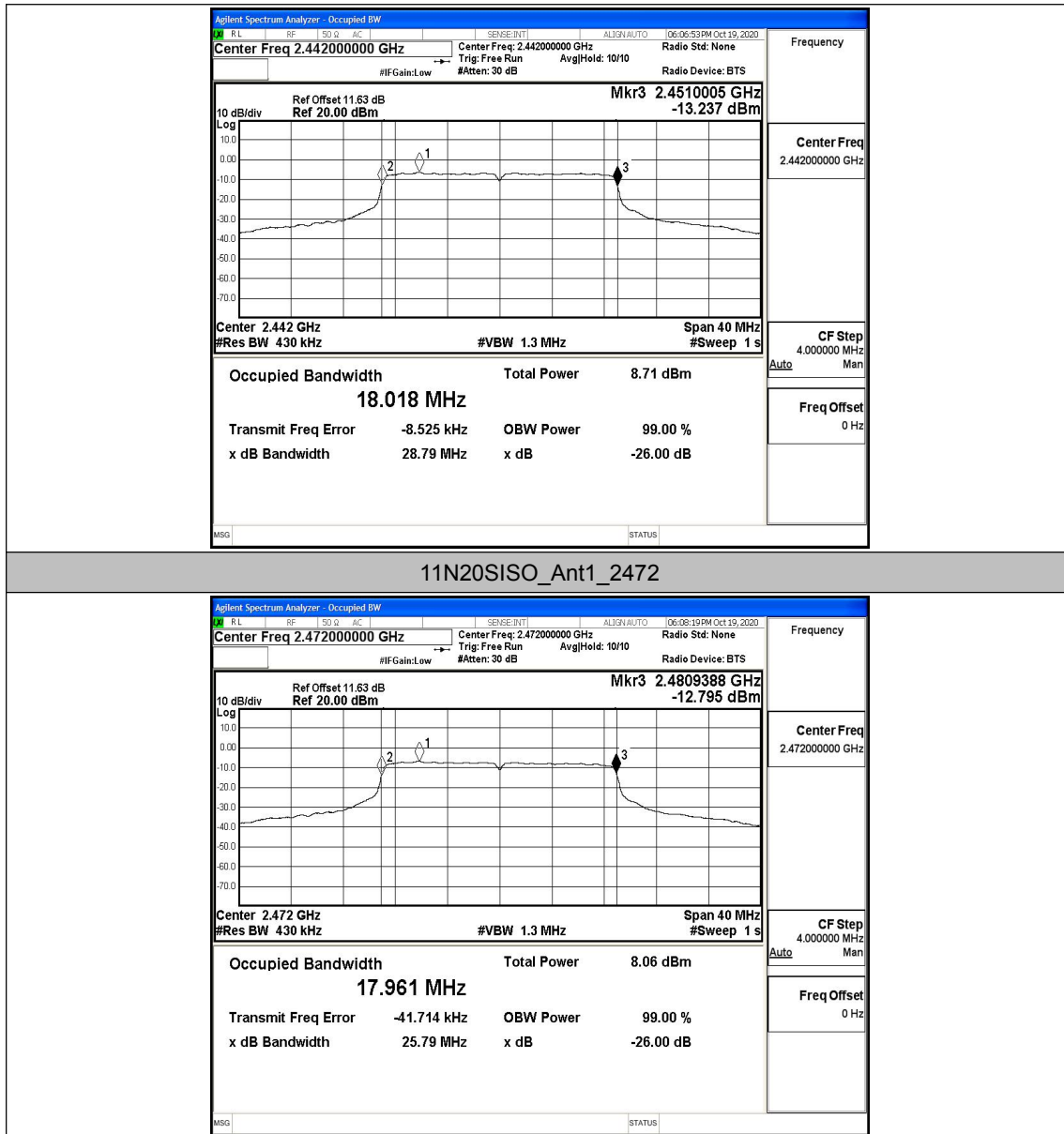
11G_Ant1_2472



11N20SISO_Ant1_2412



11N20SISO_Ant1_2442



F.5 Transmitter Unwanted Emissions In The Out-Of-BandDomain

Test Result

TestMode	Antenna	Channel	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	2372.584	-46.56	-20.00	PASS
			2372.668	-45.67	-20.00	PASS
			2373.584	-45.72	-20.00	PASS
			2374.584	-44.51	-20.00	PASS
			2375.584	-44.64	-20.00	PASS
			2376.584	-45.24	-20.00	PASS
			2377.584	-45.43	-20.00	PASS
			2378.584	-45.65	-20.00	PASS
			2379.584	-45.58	-20.00	PASS
			2380.584	-44.98	-20.00	PASS
			2381.584	-44.96	-20.00	PASS
			2382.584	-42.86	-20.00	PASS
			2383.584	-41.37	-20.00	PASS
			2384.584	-40.68	-20.00	PASS
			2385.584	-38.29	-20.00	PASS
			2386.5	-37.76	-10.00	PASS
			2386.584	-37.87	-10.00	PASS
			2387.5	-38.82	-10.00	PASS
			2388.5	-40.45	-10.00	PASS
			2389.5	-41.56	-10.00	PASS
			2390.5	-38.79	-10.00	PASS
			2391.5	-38.95	-10.00	PASS
			2392.5	-38.08	-10.00	PASS
			2393.5	-37.81	-10.00	PASS
			2394.5	-37.63	-10.00	PASS
			2395.5	-37.45	-10.00	PASS
			2396.5	-35.18	-10.00	PASS
			2397.5	-32.13	-10.00	PASS
			2398.5	-32.28	-10.00	PASS
			2399.5	-31.66	-10.00	PASS
			2484	-47.00	-10.00	PASS
			2485	-47.26	-10.00	PASS
			2486	-46.93	-10.00	PASS
			2487	-47.18	-10.00	PASS

			2488	-47.12	-10.00	PASS
			2489	-46.78	-10.00	PASS
			2490	-47.25	-10.00	PASS
			2491	-47.20	-10.00	PASS
			2492	-47.08	-10.00	PASS
			2493	-47.04	-10.00	PASS
			2494	-46.89	-10.00	PASS
			2495	-46.91	-10.00	PASS
			2496	-46.21	-10.00	PASS
			2496.916	-47.11	-10.00	PASS
			2497	-46.50	-10.00	PASS
			2497.916	-46.76	-20.00	PASS
			2498.916	-47.01	-20.00	PASS
			2499.916	-47.22	-20.00	PASS
			2500.916	-46.50	-20.00	PASS
			2501.916	-46.96	-20.00	PASS
			2502.916	-47.35	-20.00	PASS
			2503.916	-46.50	-20.00	PASS
			2504.916	-46.77	-20.00	PASS
			2505.916	-47.42	-20.00	PASS
			2506.916	-46.82	-20.00	PASS
			2507.916	-46.48	-20.00	PASS
			2508.916	-46.95	-20.00	PASS
			2509.916	-46.57	-20.00	PASS
			2510.832	-47.06	-20.00	PASS
			2510.916	-46.71	-20.00	PASS
		2472	2372.43	-46.67	-20.00	PASS
			2372.465	-45.95	-20.00	PASS
			2373.465	-46.62	-20.00	PASS
			2374.465	-47.12	-20.00	PASS
			2375.465	-46.62	-20.00	PASS
			2376.465	-47.10	-20.00	PASS
			2377.465	-46.54	-20.00	PASS
			2378.465	-45.56	-20.00	PASS
			2379.465	-46.90	-20.00	PASS
			2380.465	-46.99	-20.00	PASS
			2381.465	-46.72	-20.00	PASS
			2382.465	-46.71	-20.00	PASS
			2383.465	-46.84	-20.00	PASS
			2384.465	-47.15	-20.00	PASS
			2385.465	-46.69	-20.00	PASS
			2386.465	-47.26	-10.00	PASS
			2386.5	-46.92	-10.00	PASS

			2387.5	-47.10	-10.00	PASS
			2388.5	-46.78	-10.00	PASS
			2389.5	-46.57	-10.00	PASS
			2390.5	-46.76	-10.00	PASS
			2391.5	-46.71	-10.00	PASS
			2392.5	-47.26	-10.00	PASS
			2393.5	-46.46	-10.00	PASS
			2394.5	-46.73	-10.00	PASS
			2395.5	-47.17	-10.00	PASS
			2396.5	-46.91	-10.00	PASS
			2397.5	-47.04	-10.00	PASS
			2398.5	-46.77	-10.00	PASS
			2399.5	-47.00	-10.00	PASS
			2484	-31.10	-10.00	PASS
			2485	-30.70	-10.00	PASS
			2486	-30.64	-10.00	PASS
			2487	-31.28	-10.00	PASS
			2488	-39.15	-10.00	PASS
			2489	-40.91	-10.00	PASS
			2490	-40.29	-10.00	PASS
			2491	-40.46	-10.00	PASS
			2492	-40.82	-10.00	PASS
			2493	-39.00	-10.00	PASS
			2494	-40.71	-10.00	PASS
			2495	-42.58	-10.00	PASS
			2496	-40.87	-10.00	PASS
			2497	-39.19	-10.00	PASS
			2497.035	-39.23	-10.00	PASS
			2498.035	-38.62	-20.00	PASS
			2499.035	-41.48	-20.00	PASS
			2500.035	-42.38	-20.00	PASS
			2501.035	-43.36	-20.00	PASS
			2502.035	-44.94	-20.00	PASS
			2503.035	-46.25	-20.00	PASS
			2504.035	-46.29	-20.00	PASS
			2505.035	-46.28	-20.00	PASS
			2506.035	-46.16	-20.00	PASS
			2507.035	-46.11	-20.00	PASS
			2508.035	-46.42	-20.00	PASS
			2509.035	-46.53	-20.00	PASS
			2510.035	-46.64	-20.00	PASS
			2511.035	-45.81	-20.00	PASS
			2511.07	-46.39	-20.00	PASS

11G	Ant1	2412	2366.728	-35.64	-20.00	PASS
			2366.956	-34.81	-20.00	PASS
			2367.728	-35.35	-20.00	PASS
			2368.728	-34.47	-20.00	PASS
			2369.728	-34.37	-20.00	PASS
			2370.728	-32.71	-20.00	PASS
			2371.728	-34.17	-20.00	PASS
			2372.728	-34.23	-20.00	PASS
			2373.728	-30.25	-20.00	PASS
			2374.728	-32.00	-20.00	PASS
			2375.728	-32.25	-20.00	PASS
			2376.728	-32.17	-20.00	PASS
			2377.728	-32.67	-20.00	PASS
			2378.728	-30.08	-20.00	PASS
			2379.728	-31.90	-20.00	PASS
			2380.728	-30.55	-20.00	PASS
			2381.728	-31.67	-20.00	PASS
			2382.728	-29.88	-20.00	PASS
			2383.5	-28.82	-10.00	PASS
			2383.728	-30.70	-10.00	PASS
			2384.5	-27.86	-10.00	PASS
			2385.5	-30.10	-10.00	PASS
			2386.5	-28.86	-10.00	PASS
			2387.5	-27.84	-10.00	PASS
			2388.5	-25.16	-10.00	PASS
			2389.5	-22.36	-10.00	PASS
			2390.5	-19.54	-10.00	PASS
			2391.5	-19.22	-10.00	PASS
			2392.5	-18.00	-10.00	PASS
			2393.5	-14.77	-10.00	PASS
			2394.5	-15.84	-10.00	PASS
			2395.5	-15.35	-10.00	PASS
			2396.5	-13.82	-10.00	PASS
			2397.5	-13.60	-10.00	PASS
			2398.5	-13.02	-10.00	PASS
			2399.5	-11.97	-10.00	PASS
			2484	-45.55	-10.00	PASS
			2485	-45.41	-10.00	PASS
			2486	-45.71	-10.00	PASS
			2487	-45.51	-10.00	PASS
			2488	-45.26	-10.00	PASS
			2489	-44.81	-10.00	PASS
			2490	-45.70	-10.00	PASS

			2491	-45.79	-10.00	PASS
			2492	-45.27	-10.00	PASS
			2493	-46.04	-10.00	PASS
			2494	-45.85	-10.00	PASS
			2495	-45.07	-10.00	PASS
			2496	-45.56	-10.00	PASS
			2497	-46.06	-10.00	PASS
			2498	-45.50	-10.00	PASS
			2499	-45.66	-10.00	PASS
			2499.772	-46.08	-10.00	PASS
			2500	-45.51	-10.00	PASS
			2500.772	-46.32	-20.00	PASS
			2501.772	-46.22	-20.00	PASS
			2502.772	-46.06	-20.00	PASS
			2503.772	-45.10	-20.00	PASS
			2504.772	-45.41	-20.00	PASS
			2505.772	-46.18	-20.00	PASS
			2506.772	-44.44	-20.00	PASS
			2507.772	-46.38	-20.00	PASS
			2508.772	-46.39	-20.00	PASS
			2509.772	-45.61	-20.00	PASS
			2510.772	-46.36	-20.00	PASS
			2511.772	-46.24	-20.00	PASS
			2512.772	-46.65	-20.00	PASS
			2513.772	-46.30	-20.00	PASS
			2514.772	-46.12	-20.00	PASS
			2515.772	-46.39	-20.00	PASS
			2516.544	-46.55	-20.00	PASS
			2516.772	-46.24	-20.00	PASS
		2472	2366.708	-46.56	-20.00	PASS
			2366.916	-46.29	-20.00	PASS
			2367.708	-45.49	-20.00	PASS
			2368.708	-46.41	-20.00	PASS
			2369.708	-45.88	-20.00	PASS
			2370.708	-45.93	-20.00	PASS
			2371.708	-46.14	-20.00	PASS
			2372.708	-46.16	-20.00	PASS
			2373.708	-46.31	-20.00	PASS
			2374.708	-46.23	-20.00	PASS
			2375.708	-46.18	-20.00	PASS
			2376.708	-45.84	-20.00	PASS
			2377.708	-46.45	-20.00	PASS
			2378.708	-46.23	-20.00	PASS

			2379.708	-45.65	-20.00	PASS
			2380.708	-46.32	-20.00	PASS
			2381.708	-46.56	-20.00	PASS
			2382.708	-45.81	-20.00	PASS
			2383.5	-46.05	-10.00	PASS
			2383.708	-46.62	-10.00	PASS
			2384.5	-47.00	-10.00	PASS
			2385.5	-46.66	-10.00	PASS
			2386.5	-46.26	-10.00	PASS
			2387.5	-45.26	-10.00	PASS
			2388.5	-46.09	-10.00	PASS
			2389.5	-45.86	-10.00	PASS
			2390.5	-46.04	-10.00	PASS
			2391.5	-46.64	-10.00	PASS
			2392.5	-45.62	-10.00	PASS
			2393.5	-45.80	-10.00	PASS
			2394.5	-46.00	-10.00	PASS
			2395.5	-46.28	-10.00	PASS
			2396.5	-45.93	-10.00	PASS
			2397.5	-46.32	-10.00	PASS
			2398.5	-45.55	-10.00	PASS
			2399.5	-45.19	-10.00	PASS
			2484	-14.50	-10.00	PASS
			2485	-14.68	-10.00	PASS
			2486	-15.96	-10.00	PASS
			2487	-16.54	-10.00	PASS
			2488	-18.09	-10.00	PASS
			2489	-18.30	-10.00	PASS
			2490	-17.97	-10.00	PASS
			2491	-19.86	-10.00	PASS
			2492	-20.93	-10.00	PASS
			2493	-21.01	-10.00	PASS
			2494	-23.44	-10.00	PASS
			2495	-25.83	-10.00	PASS
			2496	-28.44	-10.00	PASS
			2497	-30.36	-10.00	PASS
			2498	-29.36	-10.00	PASS
			2499	-31.07	-10.00	PASS
			2499.792	-30.40	-10.00	PASS
			2500	-31.83	-10.00	PASS
			2500.792	-32.16	-20.00	PASS
			2501.792	-32.17	-20.00	PASS
			2502.792	-32.46	-20.00	PASS

			2503.792	-33.82	-20.00	PASS
			2504.792	-34.21	-20.00	PASS
			2505.792	-34.89	-20.00	PASS
			2506.792	-34.62	-20.00	PASS
			2507.792	-35.97	-20.00	PASS
			2508.792	-35.47	-20.00	PASS
			2509.792	-36.42	-20.00	PASS
			2510.792	-36.42	-20.00	PASS
			2511.792	-37.55	-20.00	PASS
			2512.792	-38.58	-20.00	PASS
			2513.792	-38.64	-20.00	PASS
			2514.792	-36.95	-20.00	PASS
			2515.792	-39.82	-20.00	PASS
			2516.584	-39.95	-20.00	PASS
			2516.792	-36.84	-20.00	PASS
11N20SISO	Ant1	2412	2364.545	-34.61	-20.00	PASS
			2364.59	-33.38	-20.00	PASS
			2365.545	-34.60	-20.00	PASS
			2366.545	-34.04	-20.00	PASS
			2367.545	-34.71	-20.00	PASS
			2368.545	-32.79	-20.00	PASS
			2369.545	-33.67	-20.00	PASS
			2370.545	-33.45	-20.00	PASS
			2371.545	-32.53	-20.00	PASS
			2372.545	-31.96	-20.00	PASS
			2373.545	-32.77	-20.00	PASS
			2374.545	-31.48	-20.00	PASS
			2375.545	-32.86	-20.00	PASS
			2376.545	-31.69	-20.00	PASS
			2377.545	-30.14	-20.00	PASS
			2378.545	-30.89	-20.00	PASS
			2379.545	-30.70	-20.00	PASS
			2380.545	-30.58	-20.00	PASS
			2381.545	-28.33	-20.00	PASS
			2382.5	-26.79	-10.00	PASS
			2382.545	-28.97	-10.00	PASS
			2383.5	-28.88	-10.00	PASS
			2384.5	-26.12	-10.00	PASS
			2385.5	-26.57	-10.00	PASS
			2386.5	-26.60	-10.00	PASS
			2387.5	-25.18	-10.00	PASS
			2388.5	-21.70	-10.00	PASS
			2389.5	-19.32	-10.00	PASS

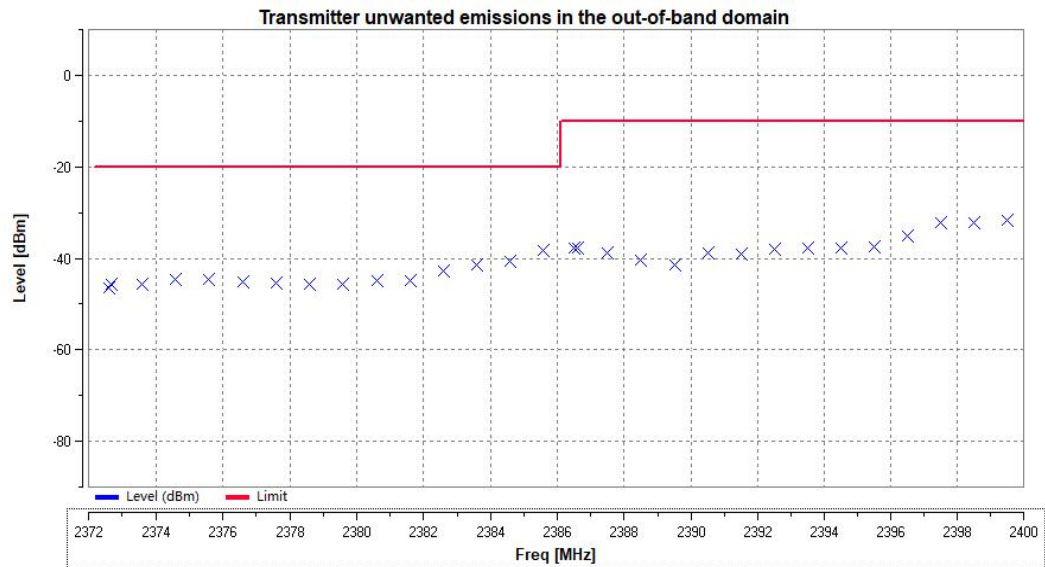
			2390.5	-20.16	-10.00	PASS
			2391.5	-17.41	-10.00	PASS
			2392.5	-16.16	-10.00	PASS
			2393.5	-14.97	-10.00	PASS
			2394.5	-12.58	-10.00	PASS
			2395.5	-13.51	-10.00	PASS
			2396.5	-12.92	-10.00	PASS
			2397.5	-13.56	-10.00	PASS
			2398.5	-11.68	-10.00	PASS
			2399.5	-12.05	-10.00	PASS
			2484	-43.18	-10.00	PASS
			2485	-43.46	-10.00	PASS
			2486	-44.49	-10.00	PASS
			2487	-44.05	-10.00	PASS
			2488	-44.45	-10.00	PASS
			2489	-43.83	-10.00	PASS
			2490	-43.96	-10.00	PASS
			2491	-44.61	-10.00	PASS
			2492	-44.95	-10.00	PASS
			2493	-44.85	-10.00	PASS
			2494	-45.36	-10.00	PASS
			2495	-45.39	-10.00	PASS
			2496	-44.66	-10.00	PASS
			2497	-44.26	-10.00	PASS
			2498	-44.44	-10.00	PASS
			2499	-44.69	-10.00	PASS
			2500	-44.70	-10.00	PASS
			2500.955	-45.32	-10.00	PASS
			2501	-45.08	-10.00	PASS
			2501.955	-45.44	-20.00	PASS
			2502.955	-44.84	-20.00	PASS
			2503.955	-43.62	-20.00	PASS
			2504.955	-43.76	-20.00	PASS
			2505.955	-44.48	-20.00	PASS
			2506.955	-43.92	-20.00	PASS
			2507.955	-45.06	-20.00	PASS
			2508.955	-45.29	-20.00	PASS
			2509.955	-45.25	-20.00	PASS
			2510.955	-44.99	-20.00	PASS
			2511.955	-45.77	-20.00	PASS
			2512.955	-46.23	-20.00	PASS
			2513.955	-45.43	-20.00	PASS
			2514.955	-46.08	-20.00	PASS

			2515.955	-45.19	-20.00	PASS
			2516.955	-44.84	-20.00	PASS
			2517.955	-45.70	-20.00	PASS
			2518.91	-45.93	-20.00	PASS
			2518.955	-44.63	-20.00	PASS
		2472	2364.539	-45.99	-20.00	PASS
			2364.578	-45.36	-20.00	PASS
			2365.539	-46.06	-20.00	PASS
			2366.539	-45.57	-20.00	PASS
			2367.539	-44.74	-20.00	PASS
			2368.539	-45.80	-20.00	PASS
			2369.539	-45.98	-20.00	PASS
			2370.539	-45.45	-20.00	PASS
			2371.539	-45.26	-20.00	PASS
			2372.539	-46.26	-20.00	PASS
			2373.539	-45.09	-20.00	PASS
			2374.539	-45.98	-20.00	PASS
			2375.539	-45.93	-20.00	PASS
			2376.539	-44.81	-20.00	PASS
			2377.539	-45.97	-20.00	PASS
			2378.539	-45.87	-20.00	PASS
			2379.539	-45.86	-20.00	PASS
			2380.539	-44.66	-20.00	PASS
			2381.539	-46.27	-20.00	PASS
			2382.5	-45.23	-10.00	PASS
			2382.539	-45.46	-10.00	PASS
			2383.5	-45.47	-10.00	PASS
			2384.5	-46.33	-10.00	PASS
			2385.5	-45.97	-10.00	PASS
			2386.5	-46.04	-10.00	PASS
			2387.5	-44.35	-10.00	PASS
			2388.5	-45.59	-10.00	PASS
			2389.5	-45.75	-10.00	PASS
			2390.5	-45.58	-10.00	PASS
			2391.5	-46.15	-10.00	PASS
			2392.5	-46.05	-10.00	PASS
			2393.5	-45.63	-10.00	PASS
			2394.5	-45.38	-10.00	PASS
			2395.5	-44.76	-10.00	PASS
			2396.5	-45.47	-10.00	PASS
			2397.5	-44.86	-10.00	PASS
			2398.5	-44.81	-10.00	PASS
			2399.5	-44.94	-10.00	PASS

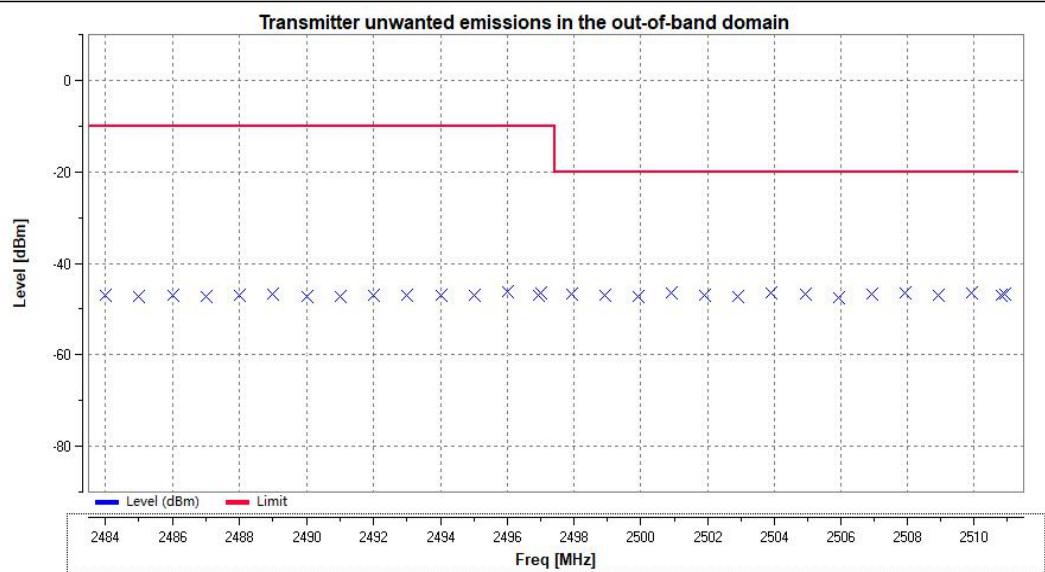
			2484	-12.63	-10.00	PASS
			2485	-14.34	-10.00	PASS
			2486	-14.25	-10.00	PASS
			2487	-16.98	-10.00	PASS
			2488	-16.31	-10.00	PASS
			2489	-17.59	-10.00	PASS
			2490	-19.17	-10.00	PASS
			2491	-20.57	-10.00	PASS
			2492	-19.10	-10.00	PASS
			2493	-19.14	-10.00	PASS
			2494	-21.52	-10.00	PASS
			2495	-21.36	-10.00	PASS
			2496	-26.76	-10.00	PASS
			2497	-27.75	-10.00	PASS
			2498	-27.91	-10.00	PASS
			2499	-30.27	-10.00	PASS
			2500	-27.74	-10.00	PASS
			2500.961	-30.99	-10.00	PASS
			2501	-31.47	-10.00	PASS
			2501.961	-30.09	-20.00	PASS
			2502.961	-31.03	-20.00	PASS
			2503.961	-31.61	-20.00	PASS
			2504.961	-32.77	-20.00	PASS
			2505.961	-32.56	-20.00	PASS
			2506.961	-35.27	-20.00	PASS
			2507.961	-33.99	-20.00	PASS
			2508.961	-35.08	-20.00	PASS
			2509.961	-36.25	-20.00	PASS
			2510.961	-35.60	-20.00	PASS
			2511.961	-36.11	-20.00	PASS
			2512.961	-37.40	-20.00	PASS
			2513.961	-37.72	-20.00	PASS
			2514.961	-38.09	-20.00	PASS
			2515.961	-36.85	-20.00	PASS
			2516.961	-37.96	-20.00	PASS
			2517.961	-38.67	-20.00	PASS
			2518.922	-39.17	-20.00	PASS
			2518.961	-39.30	-20.00	PASS

Test Graphs

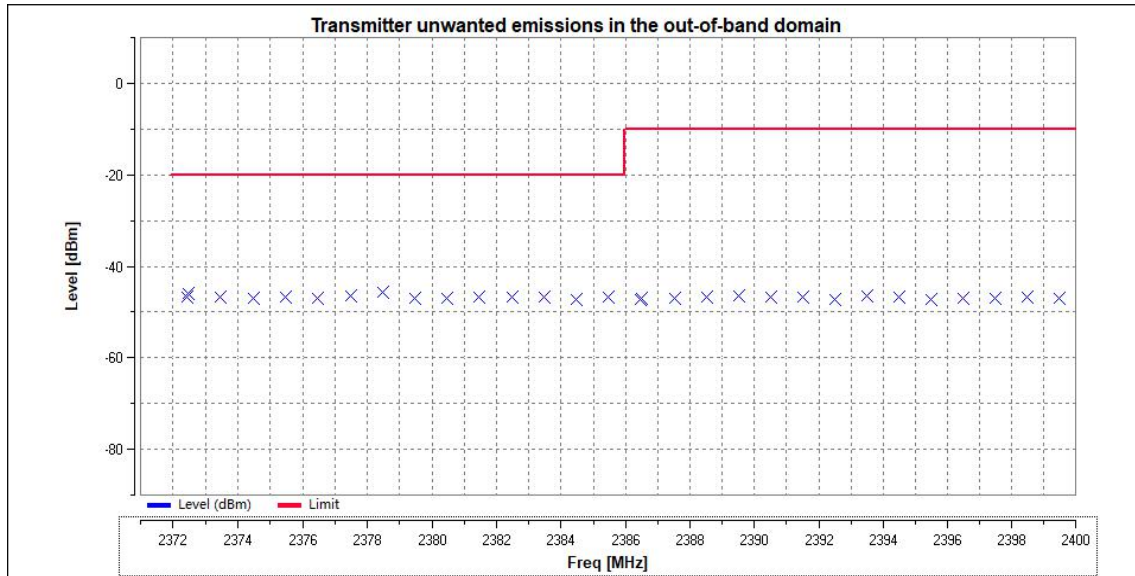
11B_Ant1_2412_2400MHz-2BW to 2400MHz



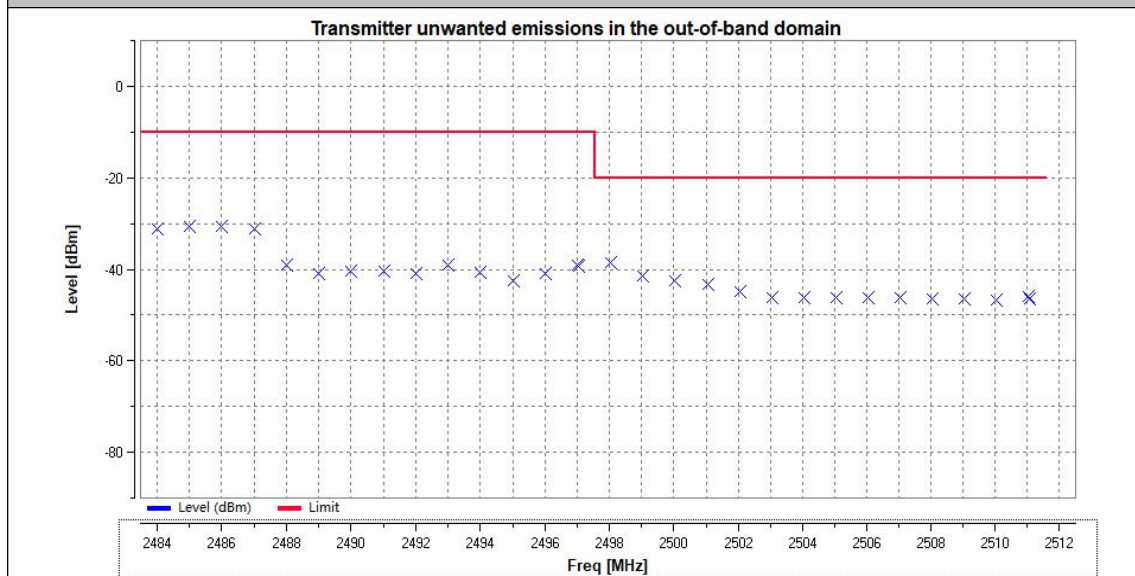
11B_Ant1_2412_2483.5MHz to 2483.5MHz+2BW



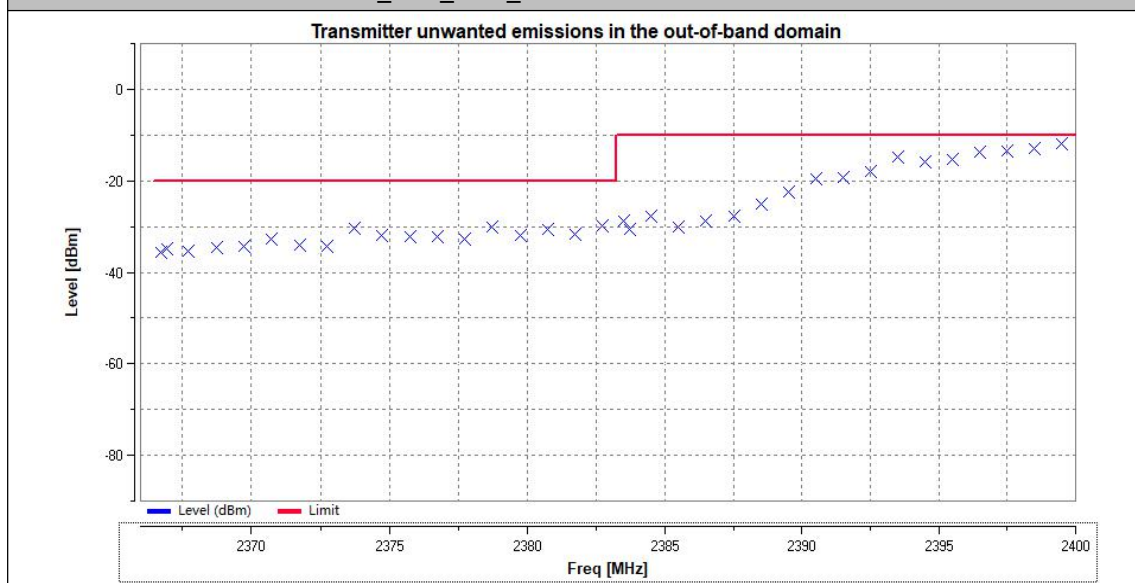
11B_Ant1_2472_2400MHz-2BW to 2400MHz



11B_Ant1_2472_2483.5MHz to 2483.5MHz+2BW

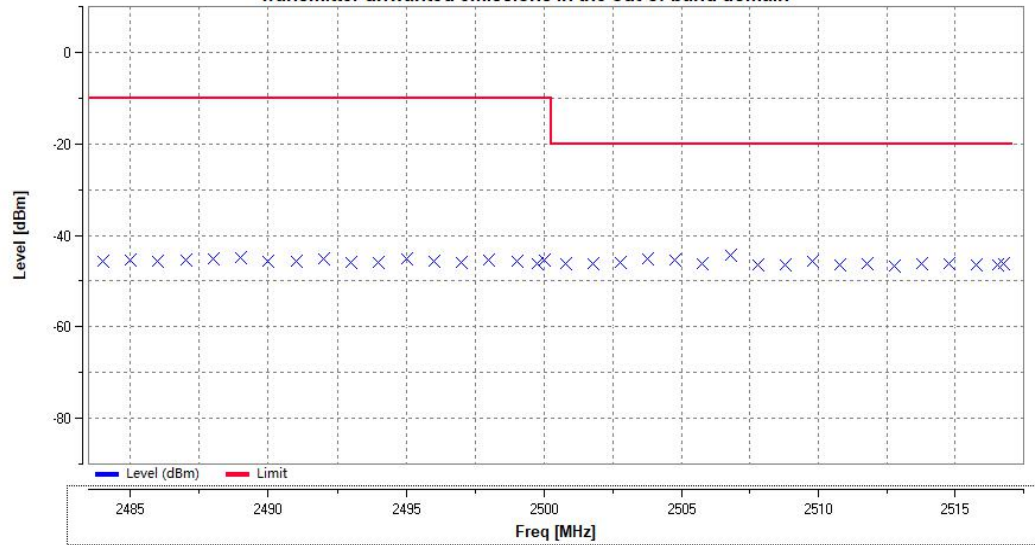


11G_Ant1_2412_2400MHz-2BW to 2400MHz



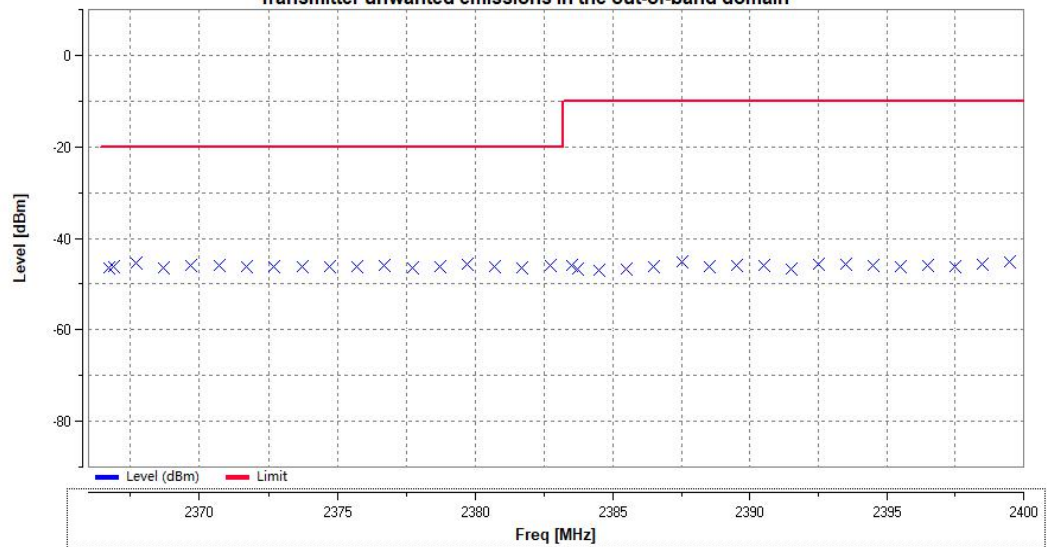
11G_Ant1_2412_2483.5MHz to 2483.5MHz+2BW

Transmitter unwanted emissions in the out-of-band domain

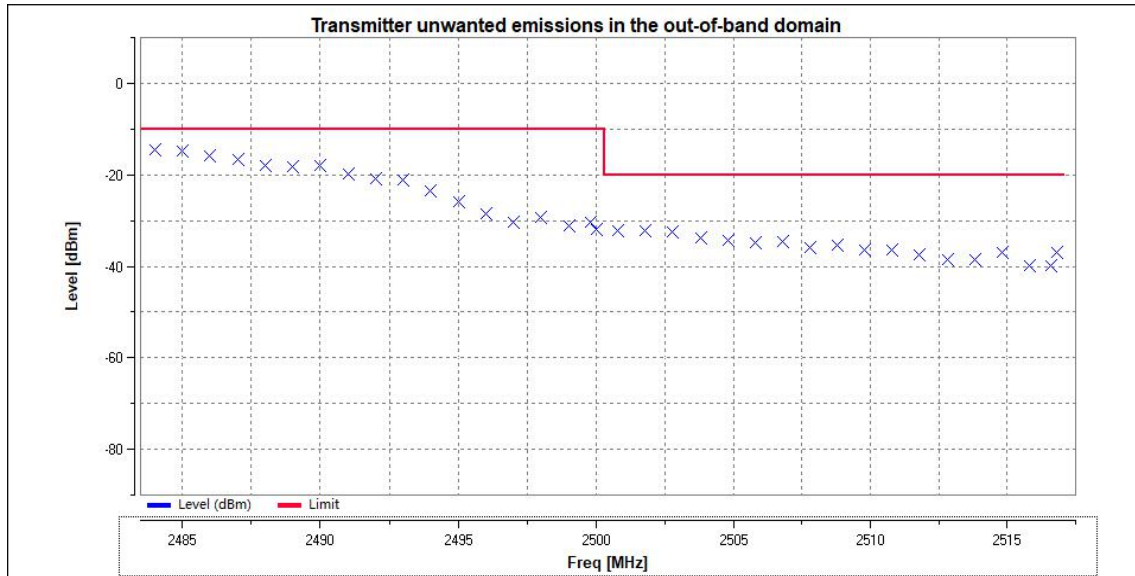


11G_Ant1_2472_2400MHz-2BW to 2400MHz

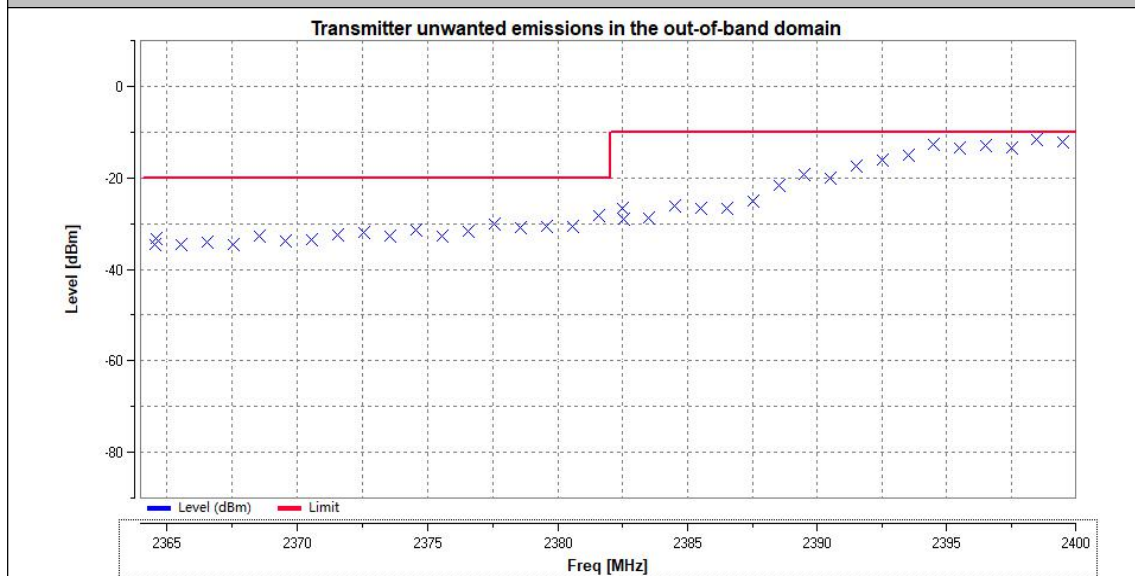
Transmitter unwanted emissions in the out-of-band domain



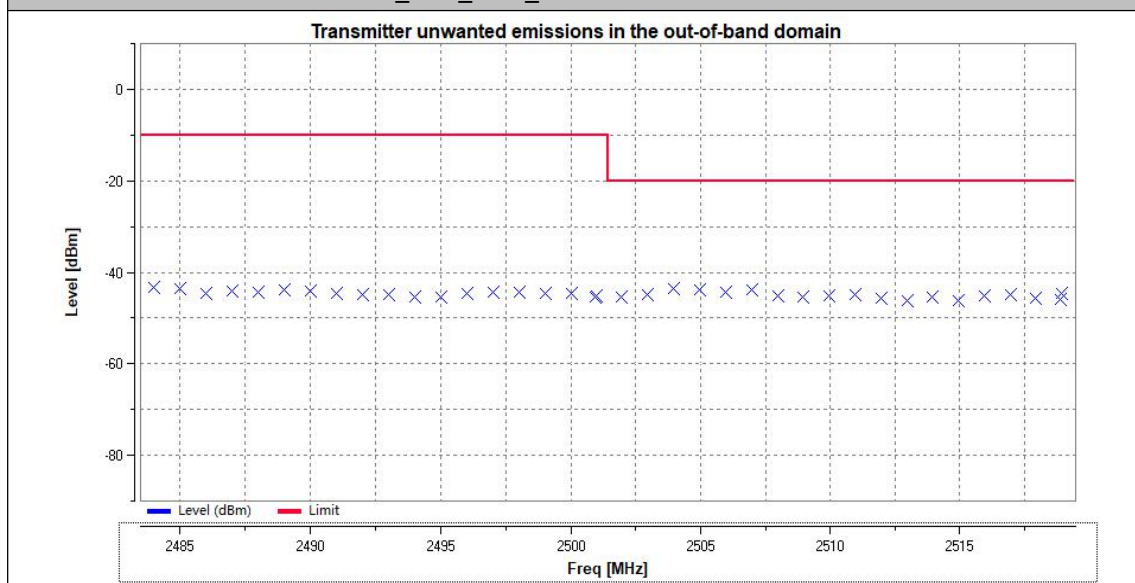
11G_Ant1_2472_2483.5MHz to 2483.5MHz+2BW



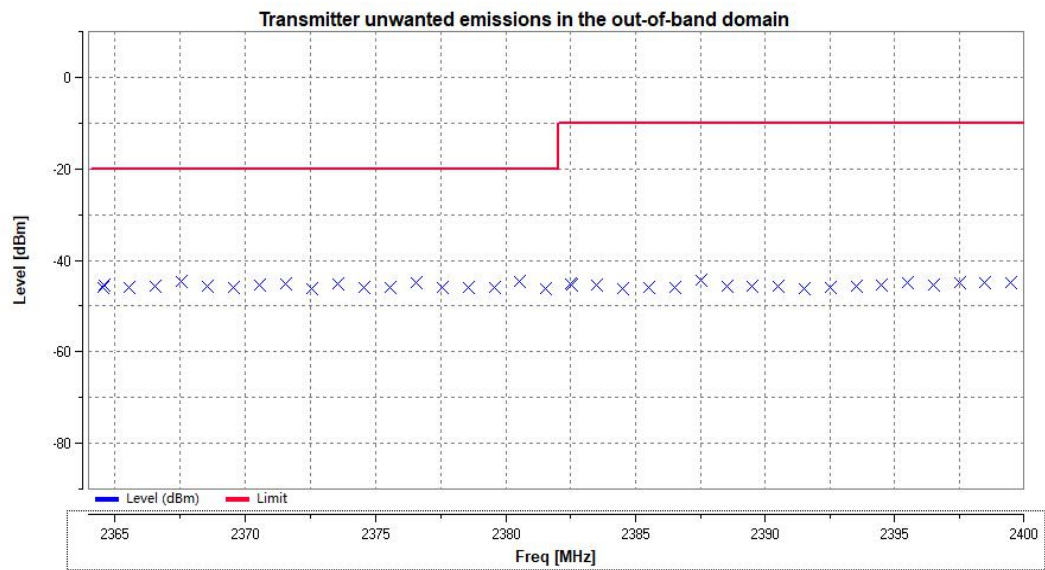
11N20SISO_Ant1_2412_2400MHz-2BW to 2400MHz



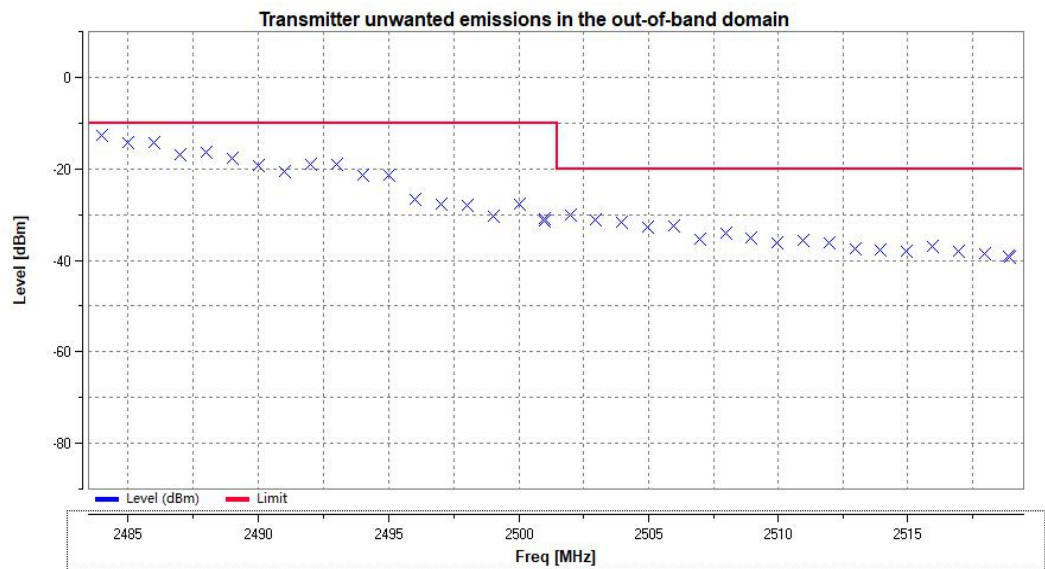
11N20SISO_Ant1_2412_2483.5MHz to 2483.5MHz+2BW



11N20SISO_Ant1_2472_2400MHz-2BW to 2400MHz



11N20SISO_Ant1_2472_2483.5MHz to 2483.5MHz+2BW

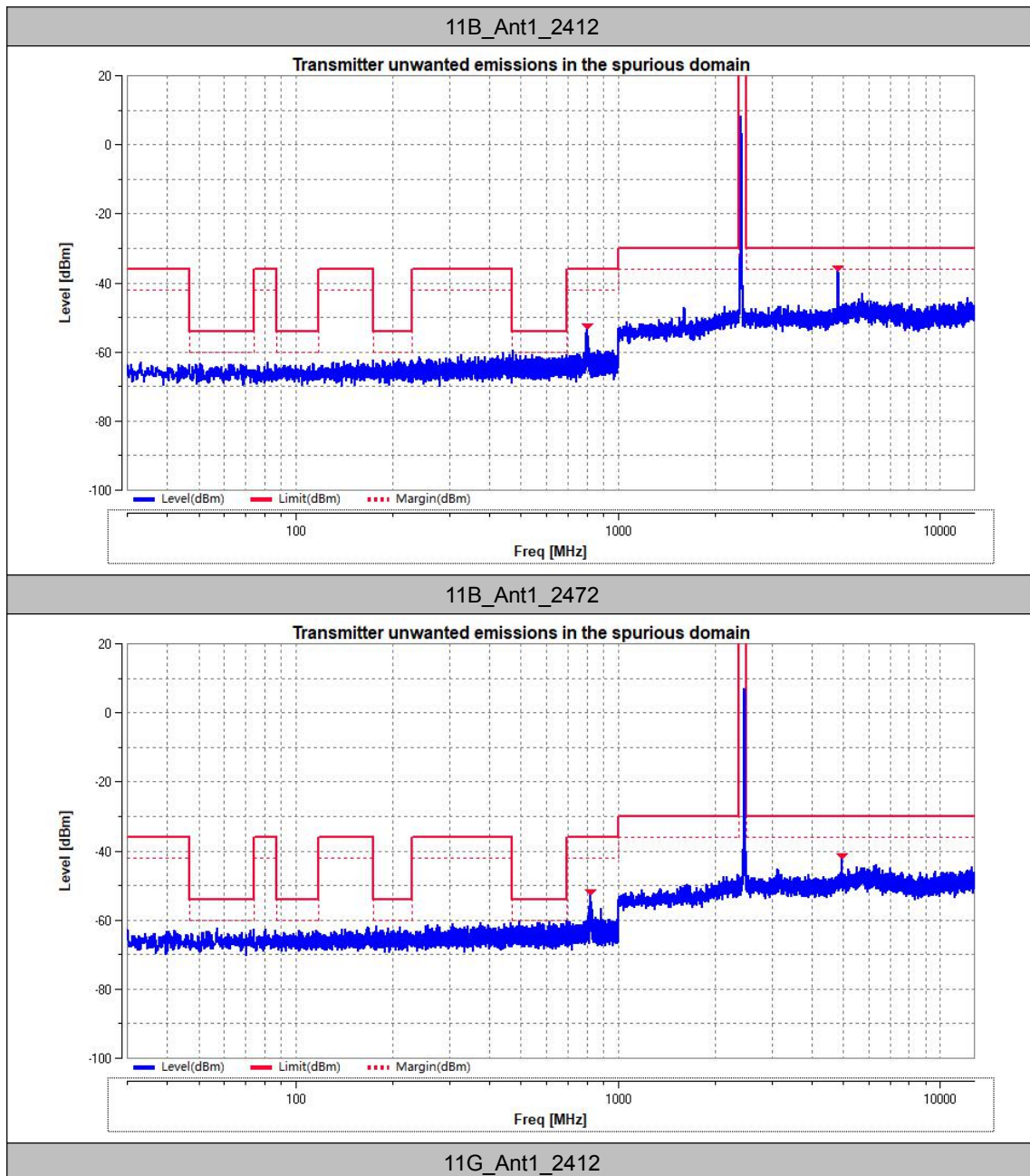


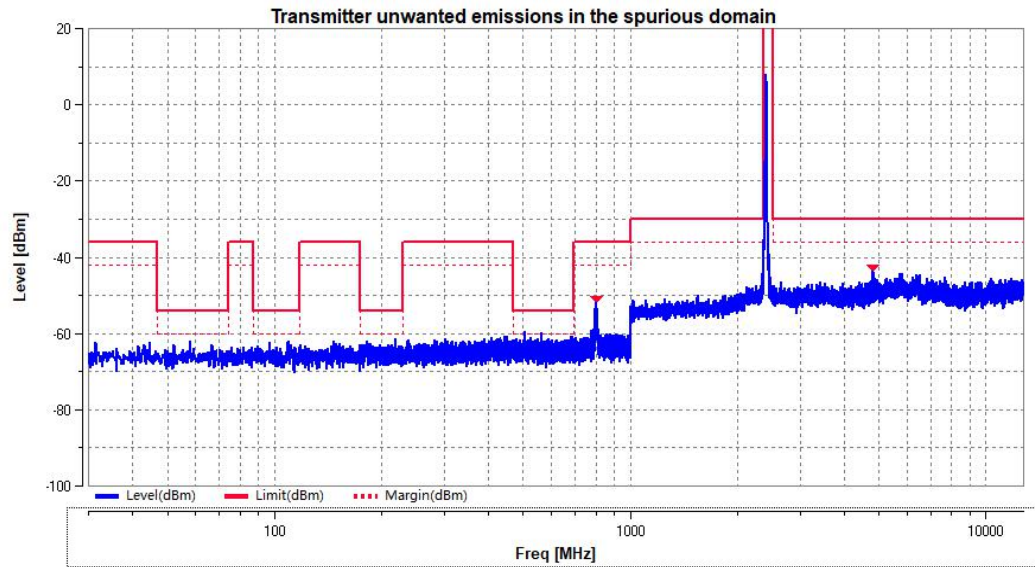
F.6 Transmitter unwanted emissions in the spurious domain

Test Result

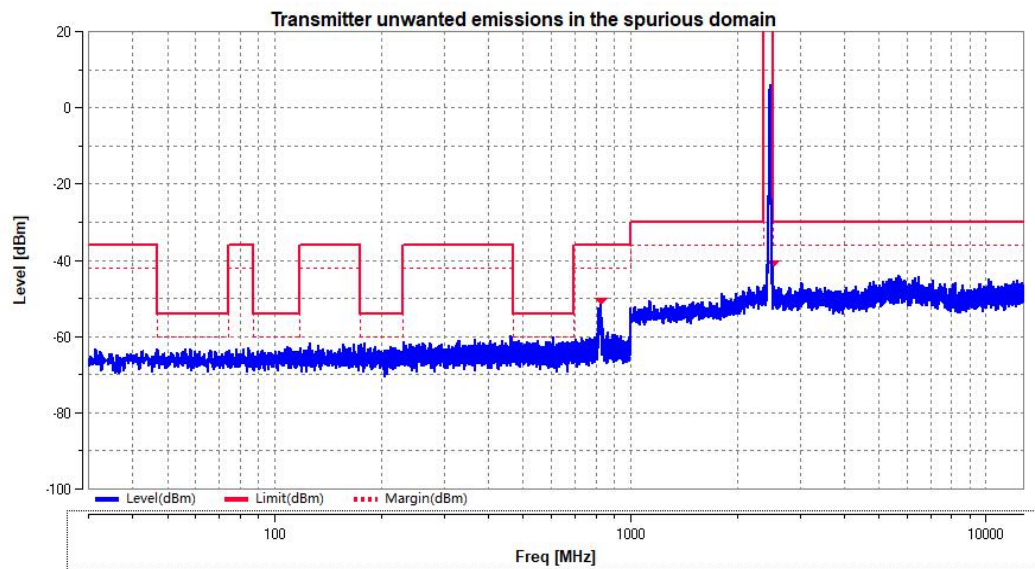
TestMode	Antenna	Channel	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	472.32	-59.33	-54	See table below
			821.04	-52.74	-36	PASS
		2472	4943.59	-42.4	-30	PASS
11G	Ant1	2412	507.36	-59.47	-54	See table below
			563.38	-59.91	-54	See table below
		2472	828.31	-51.57	-36	PASS
			2517.22	-41.86	-30	PASS
		2412	798.97	-50.38	-36	PASS
11N20SISO	Ant1	2412	2363	-41.2	-30	PASS
			829.04	-49.16	-36	PASS
		2472	5716.16	-43.61	-30	PASS

Test Graphs

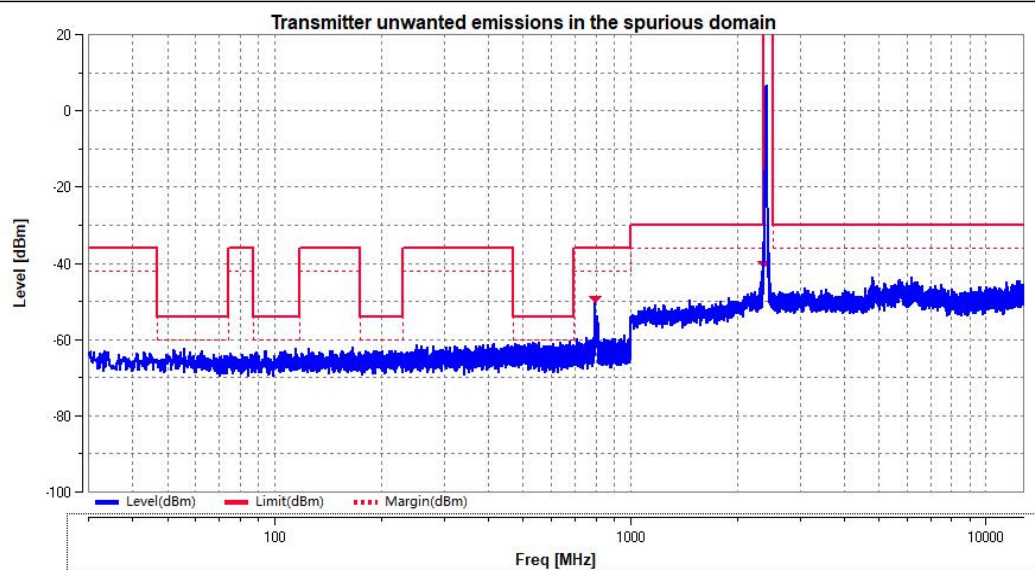


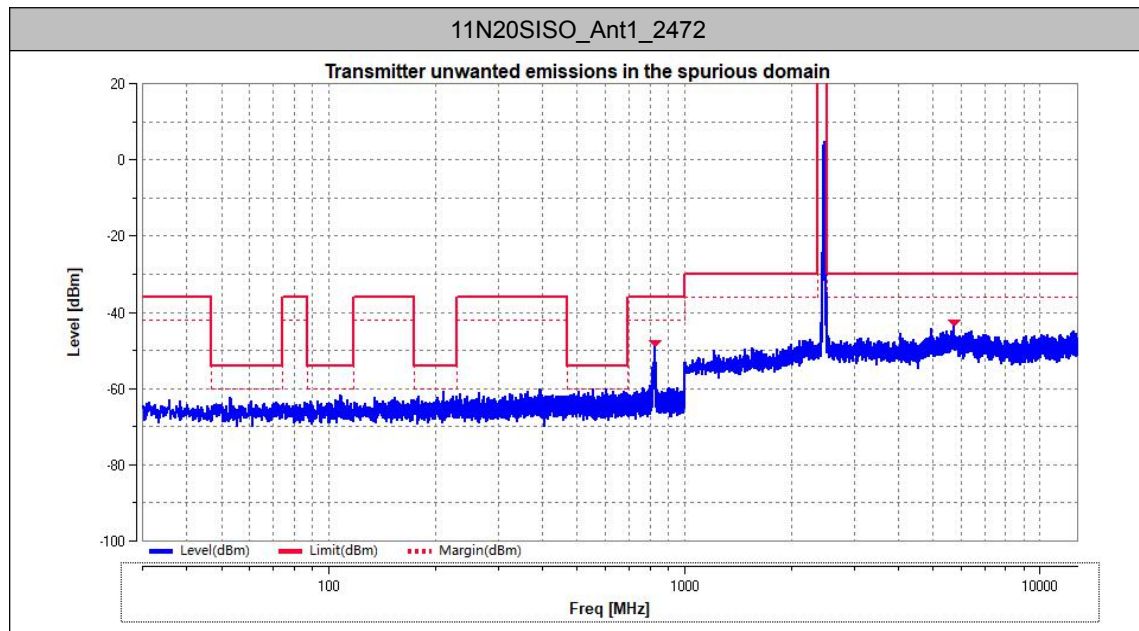


11G_Ant1_2472



11N20SISO_Ant1_2412



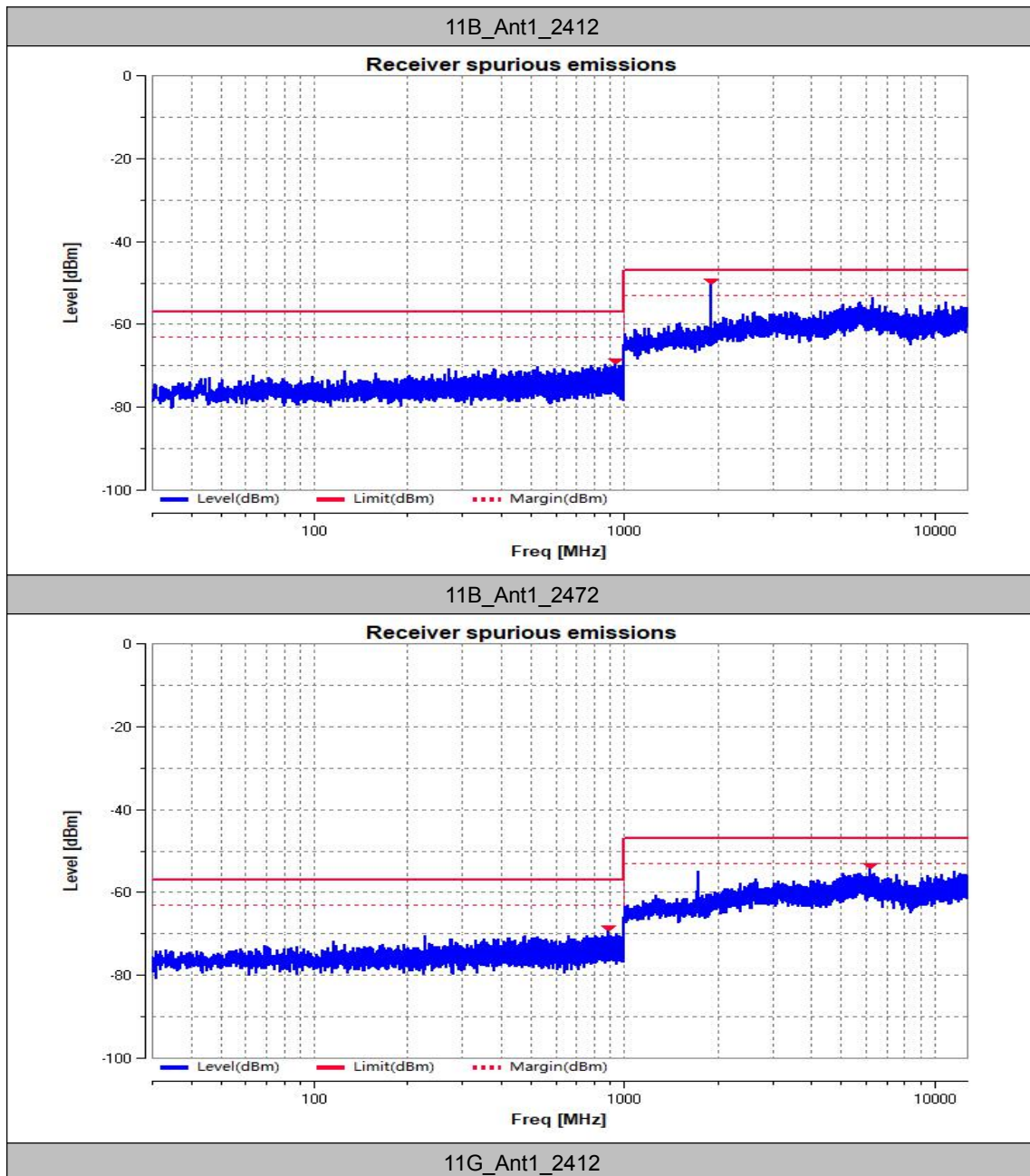


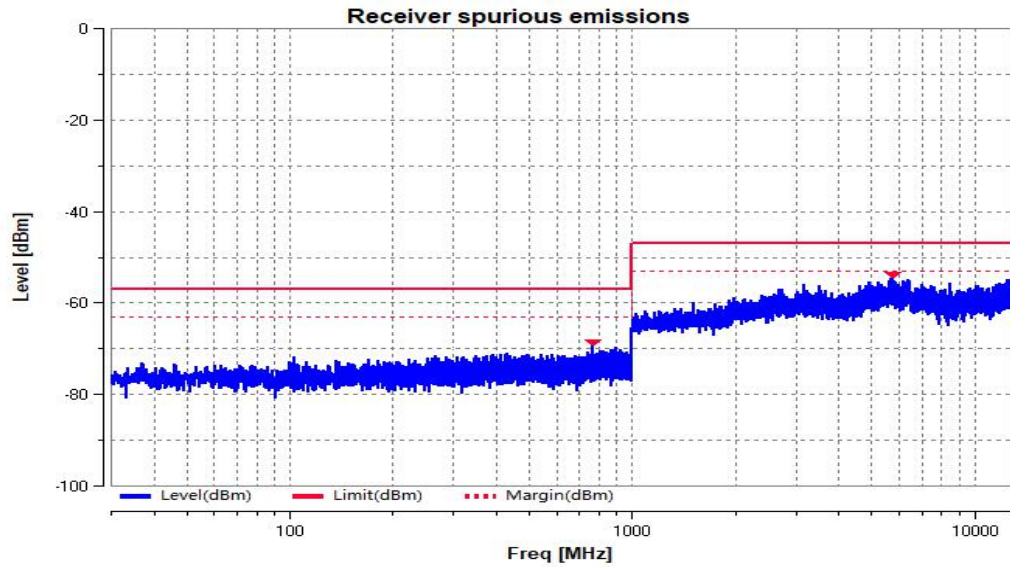
F.7 Receiver spurious emissions

Test Result

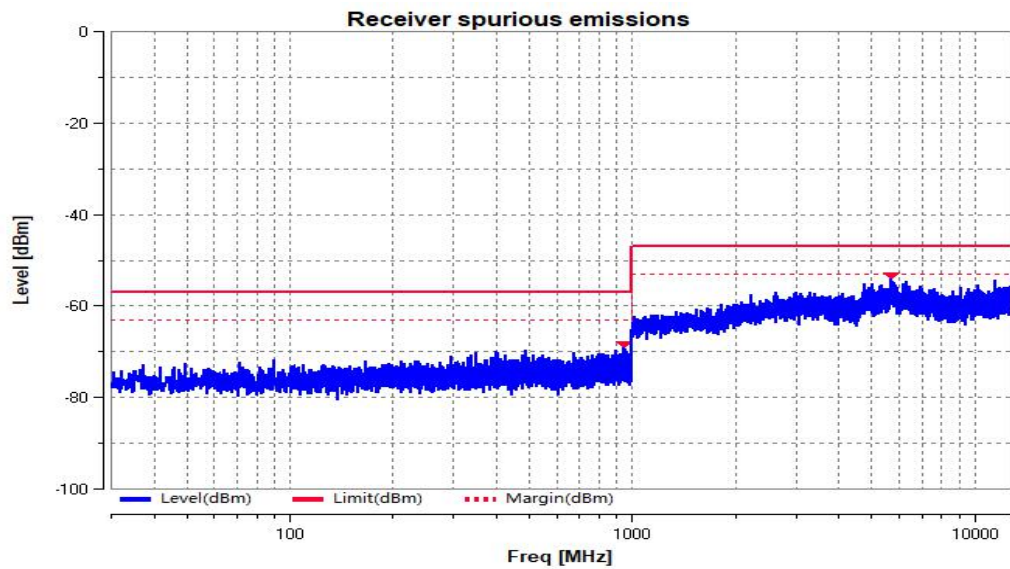
TestMode	Antenna	Channel	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	1904.75	-52.74	-47	See table below
		2472	886.63	-69.38	-57.00	PASS
			6228.75	-54.34	-47.00	PASS
11G	Ant1	2412	766.11	-69.41	-57.00	PASS
			5745.53	-54.51	-47.00	PASS
		2472	947.74	-69.11	-57.00	PASS
			5692.66	-54.18	-47.00	PASS
11N20SISO	Ant1	2412	784.66	-69.83	-57.00	PASS
			12153.69	-54.26	-47.00	PASS
		2472	997.82	-69.28	-57.00	PASS
			5808.69	-54.1	-47.00	PASS

Test Graphs

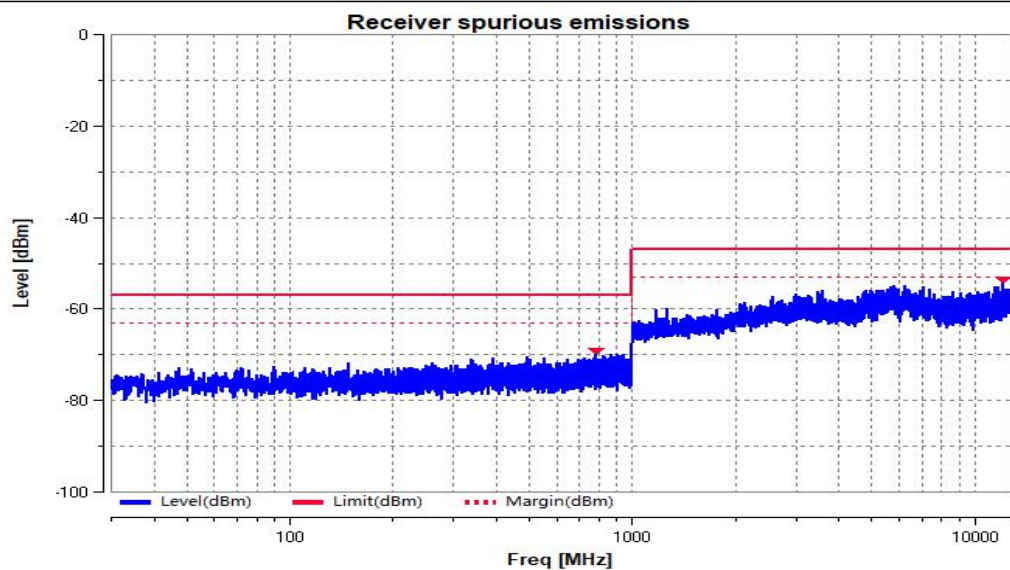


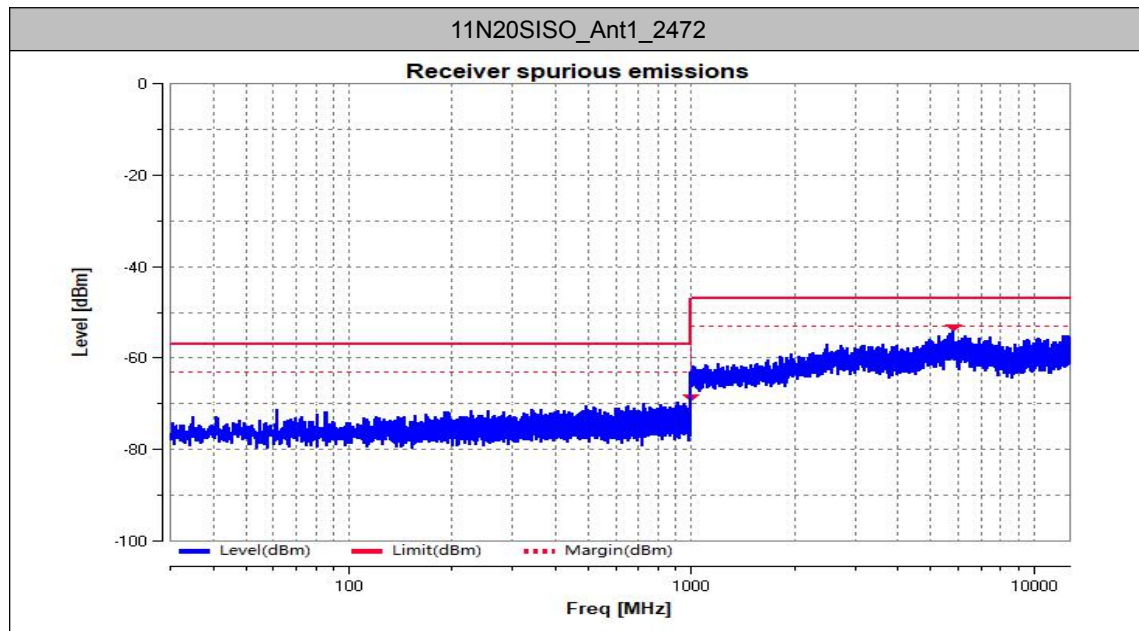


11G_Ant1_2472



11N20SISO_Ant1_2412





F.8 Receiver Blocking

Test Result

Test Mode	Test Channel (MHz)	Wanted Signal Mean Power from Companion Device (dBm)	Blocking Signal Frequency (MHz)	Blocking Signal Power (dBm)		Type of Blocking Signal	PER(%)		Test Result
				Test Value	Limit		Test Value	Limit	
802.11b	2412	-68	2380	-31	≥ -34	CW	4.70	10	Pass
			2504	-33	≥ -34	CW	6.67	10	Pass
		-74	2300	-23	≥ -34	CW	5.80	10	Pass
			2330	-18	≥ -34	CW	4.31	10	Pass
			2360	-19	≥ -34	CW	5.25	10	Pass
			2524	-26	≥ -34	CW	6.27	10	Pass
			2584	-25	≥ -34	CW	6.67	10	Pass
			2674	-21	≥ -34	CW	4.70	10	Pass
	2472	-68	2380	-15	≥ -34	CW	3.08	10	Pass
			2504	-14	≥ -34	CW	4.07	10	Pass
		-74	2300	-19	≥ -34	CW	5.24	10	Pass
			2330	-28	≥ -34	CW	5.91	10	Pass
			2360	-28	≥ -34	CW	6.52	10	Pass
			2524	-19	≥ -34	CW	3.59	10	Pass
			2584	-25	≥ -34	CW	3.19	10	Pass
			2674	-14	≥ -34	CW	4.58	10	Pass

Test Mode	Test Channel (MHz)	Wanted Signal Mean Power from Companion Device (dBm)	Blocking Signal Frequency (MHz)	Blocking Signal Power (dBm)		Type of Blocking Signal	PER(%)		Test Result
				Test Value	Limit		Test Value	Limit	
802.11g	2412	-68	2380	-29	≥ -34	CW	4.51	10	Pass
			2504	-27	≥ -34	CW	5.47	10	Pass
		-74	2300	-23	≥ -34	CW	6.97	10	Pass
			2330	-24	≥ -34	CW	6.31	10	Pass
			2360	-21	≥ -34	CW	6.52	10	Pass
			2524	-25	≥ -34	CW	3.48	10	Pass
			2584	-26	≥ -34	CW	5.81	10	Pass
			2674	-17	≥ -34	CW	5.97	10	Pass
	2472	-68	2380	-18	≥ -34	CW	5.82	10	Pass
			2504	-15	≥ -34	CW	5.14	10	Pass
		-74	2300	-16	≥ -34	CW	4.87	10	Pass
			2330	-29	≥ -34	CW	6.98	10	Pass
			2360	-25	≥ -34	CW	4.02	10	Pass
			2524	-20	≥ -34	CW	3.39	10	Pass
			2584	-20	≥ -34	CW	6.87	10	Pass
			2674	-24	≥ -34	CW	3.95	10	Pass

Test Mode	Test Channel (MHz)	Wanted Signal Mean Power from Companion Device (dBm)	Blocking Signal Frequency (MHz)	Blocking Signal Power (dBm)		Type of Blocking Signal	PER(%)		Test Result
				Test Value	Limit		Test Value	Limit	
802.11n20	2412	-68	2380	-27	≥ -34	CW	5.34	10	Pass
			2504	-24	≥ -34	CW	6.97	10	Pass
		-74	2300	-24	≥ -34	CW	4.49	10	Pass
			2330	-20	≥ -34	CW	5.02	10	Pass
			2360	-18	≥ -34	CW	6.27	10	Pass
			2524	-20	≥ -34	CW	6.60	10	Pass
			2584	-23	≥ -34	CW	3.94	10	Pass
			2674	-20	≥ -34	CW	3.35	10	Pass
	2472	-68	2380	-22	≥ -34	CW	3.40	10	Pass
			2504	-13	≥ -34	CW	3.75	10	Pass
		-74	2300	-15	≥ -34	CW	3.55	10	Pass
			2330	-29	≥ -34	CW	4.29	10	Pass
			2360	-31	≥ -34	CW	6.34	10	Pass
			2524	-20	≥ -34	CW	7.02	10	Pass
			2584	-17	≥ -34	CW	3.14	10	Pass
			2674	-23	≥ -34	CW	3.67	10	Pass