



## Appendix G for 2.4GWIFI Test Data

**Product Name: Smartphone**

**Test Model: KINGKONG 8**

### Environmental Conditions

Temperature:	22.2° C
Relative Humidity:	52.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Taylor Hu
Supervised by:	Ling Zhu



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## G.1 RF Output Power

Condition	Mode	Frequency (MHz)	Antenna	Max EIRP (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	13.92	20	Pass
NVNT	b	2442	Ant1	14.9	20	Pass
NVNT	b	2472	Ant1	14.35	20	Pass
NVNT	g	2412	Ant1	14.05	20	Pass
NVNT	g	2442	Ant1	13.98	20	Pass
NVNT	g	2472	Ant1	14.41	20	Pass
NVNT	n20	2412	Ant1	12.77	20	Pass
NVNT	n20	2442	Ant1	12.99	20	Pass
NVNT	n20	2472	Ant1	13.37	20	Pass

Condition	Mode	Frequency (MHz)	Antenna	Max EIRP (dBm)	Limit (dBm)	Verdict
NVLT	b	2412	Ant1	13.83	20	Pass
NVLT	b	2442	Ant1	14.80	20	Pass
NVLT	b	2472	Ant1	14.31	20	Pass
NVLT	g	2412	Ant1	13.98	20	Pass
NVLT	g	2442	Ant1	13.87	20	Pass
NVLT	g	2472	Ant1	14.33	20	Pass
NVLT	n20	2412	Ant1	12.66	20	Pass
NVLT	n20	2442	Ant1	12.94	20	Pass
NVLT	n20	2472	Ant1	13.25	20	Pass

Condition	Mode	Frequency (MHz)	Antenna	Max EIRP (dBm)	Limit (dBm)	Verdict
NVHT	b	2412	Ant1	13.72	20	Pass
NVHT	b	2442	Ant1	14.70	20	Pass
NVHT	b	2472	Ant1	14.26	20	Pass
NVHT	g	2412	Ant1	13.93	20	Pass
NVHT	g	2442	Ant1	13.83	20	Pass
NVHT	g	2472	Ant1	14.30	20	Pass
NVHT	n20	2412	Ant1	12.63	20	Pass
NVHT	n20	2442	Ant1	12.89	20	Pass
NVHT	n20	2472	Ant1	13.20	20	Pass

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



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## G.2 Power Spectral Density

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	Ant1	5.08	10	Pass
NVNT	b	2442	Ant1	5.92	10	Pass
NVNT	b	2472	Ant1	5.31	10	Pass
NVNT	g	2412	Ant1	2.45	10	Pass
NVNT	g	2442	Ant1	2.47	10	Pass
NVNT	g	2472	Ant1	2.91	10	Pass
NVNT	n20	2412	Ant1	0.78	10	Pass
NVNT	n20	2442	Ant1	1.29	10	Pass
NVNT	n20	2472	Ant1	1.67	10	Pass

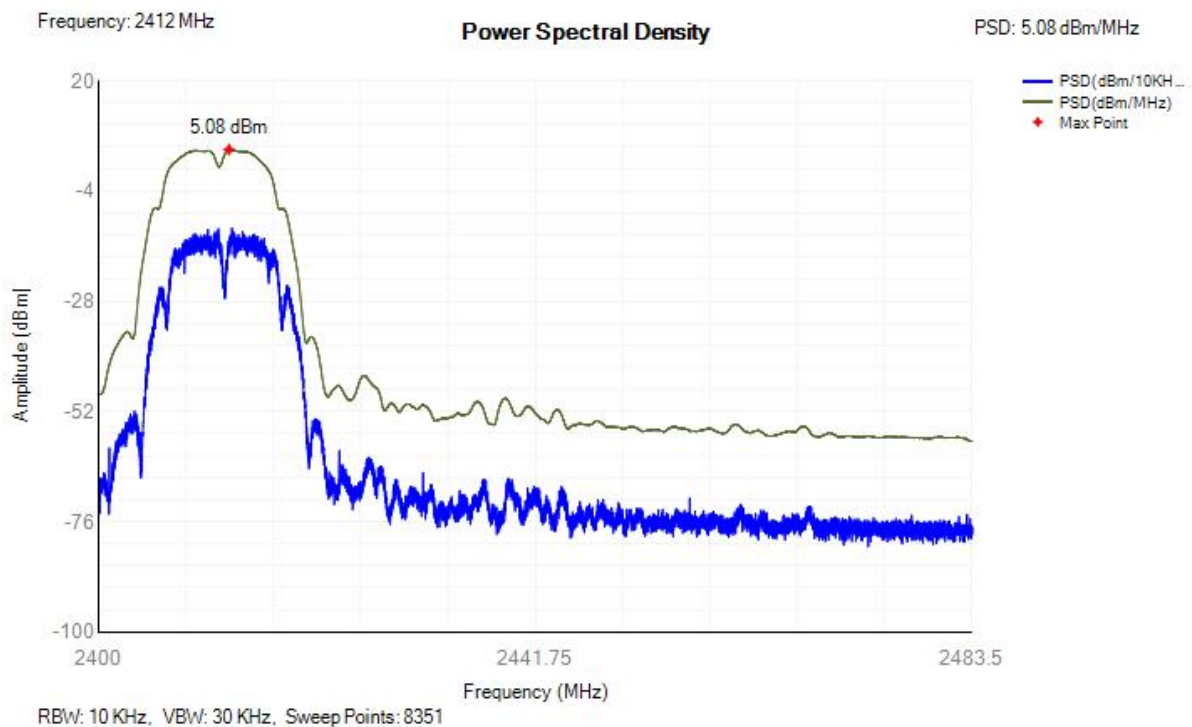


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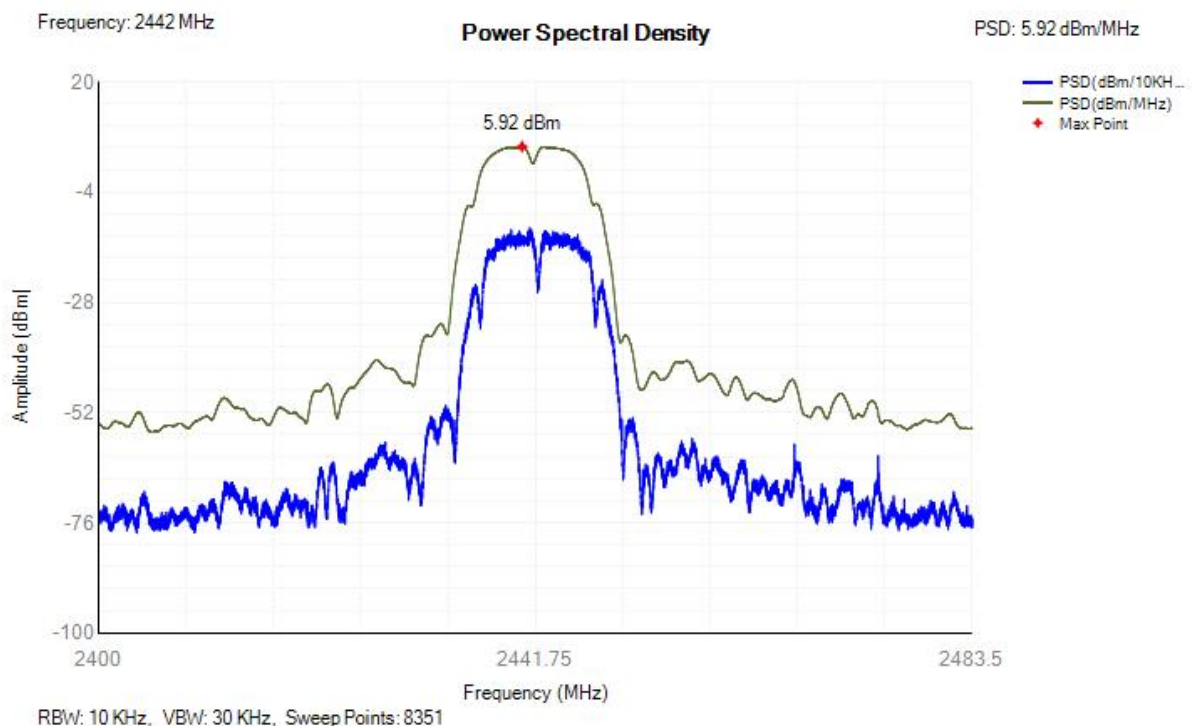


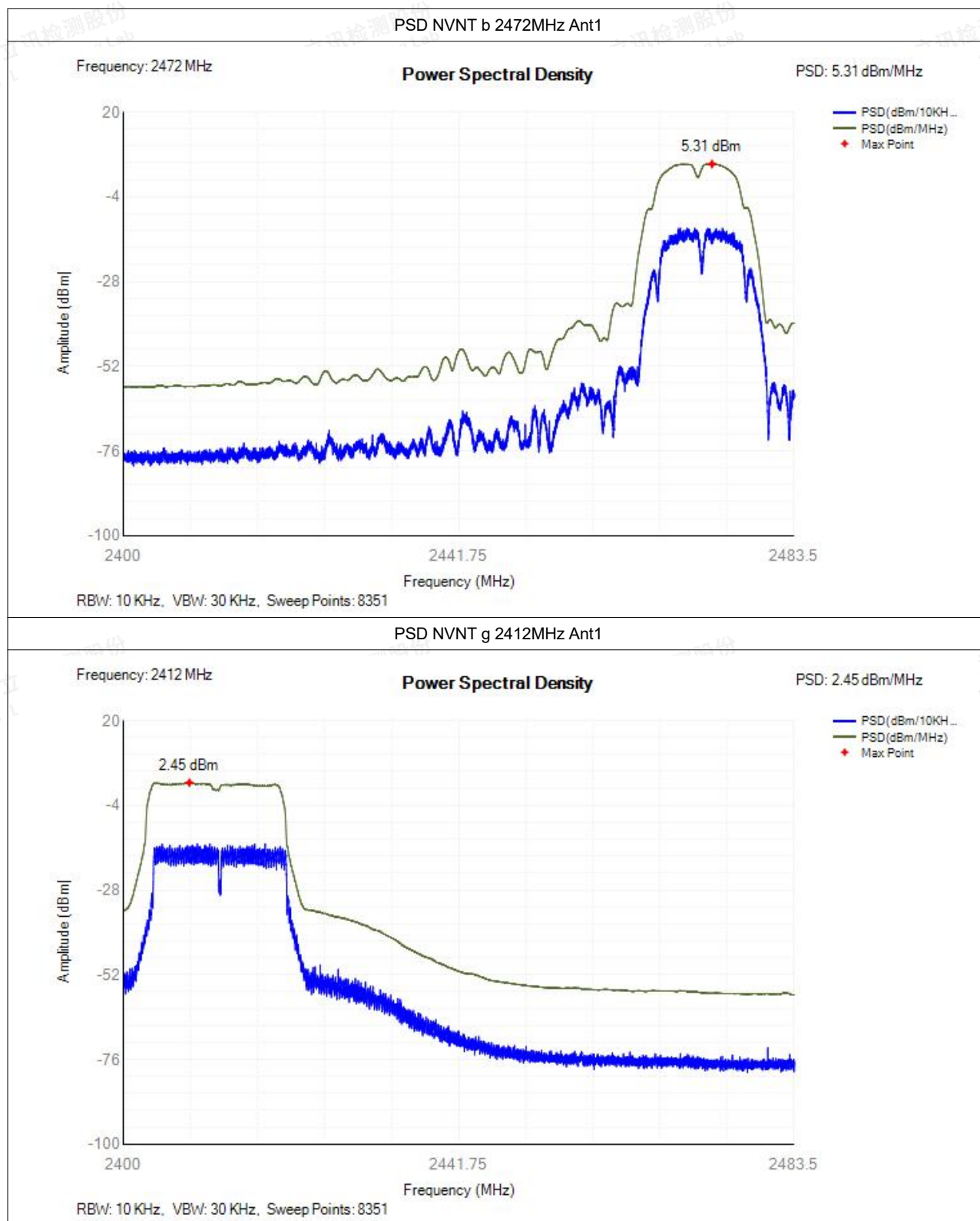
## Test Graphs

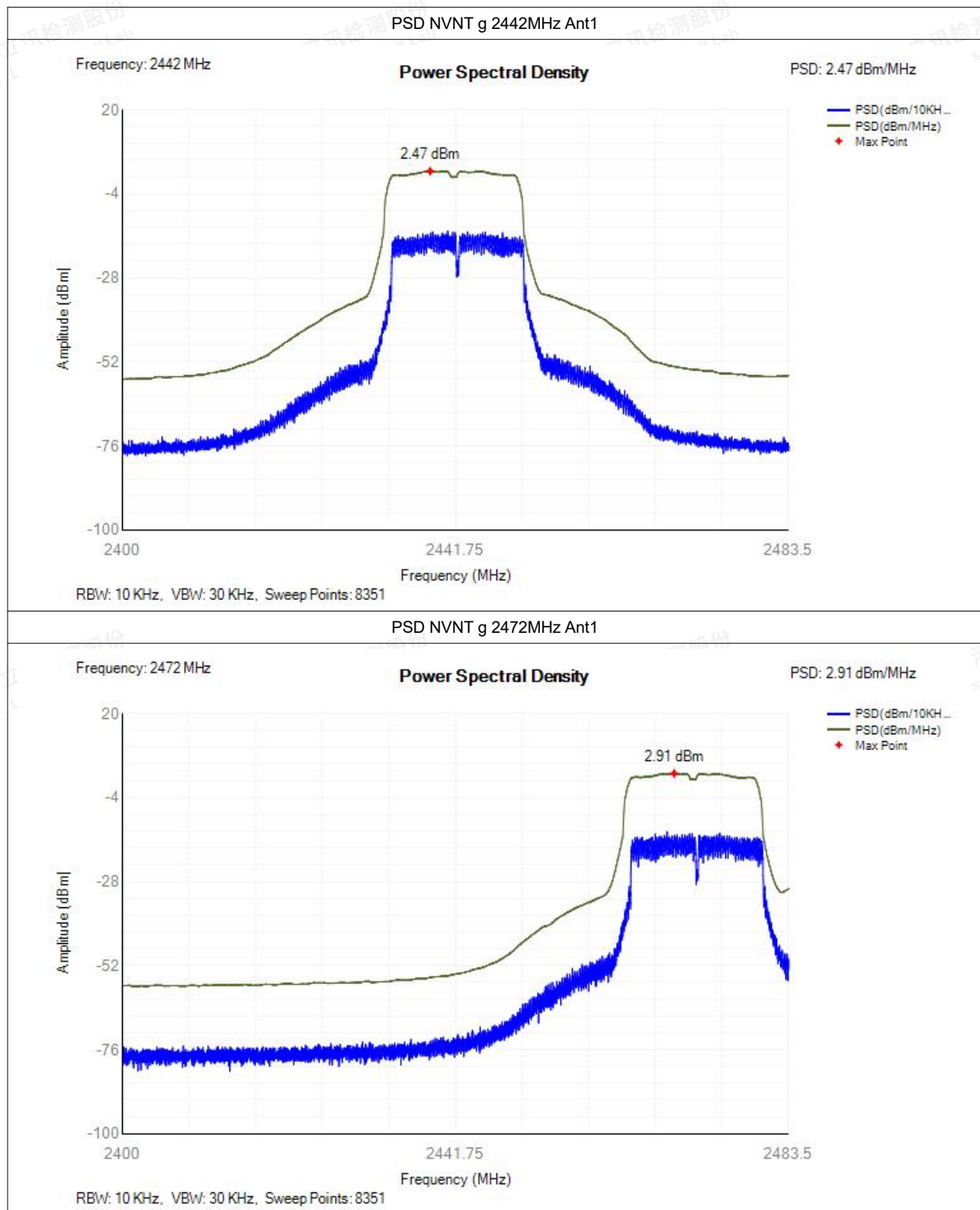
PSD NVNT b 2412MHz Ant1



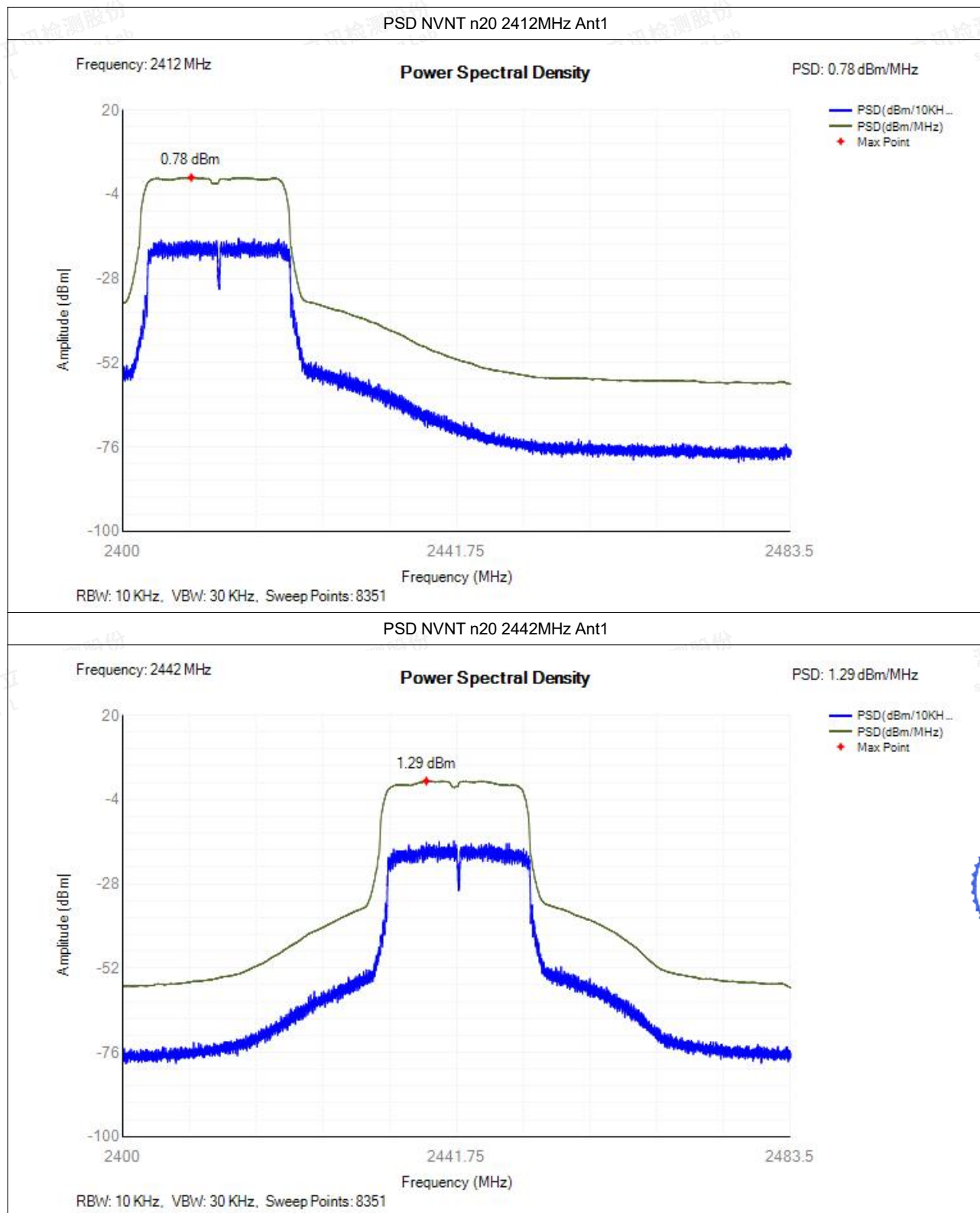
PSD NVNT b 2442MHz Ant1

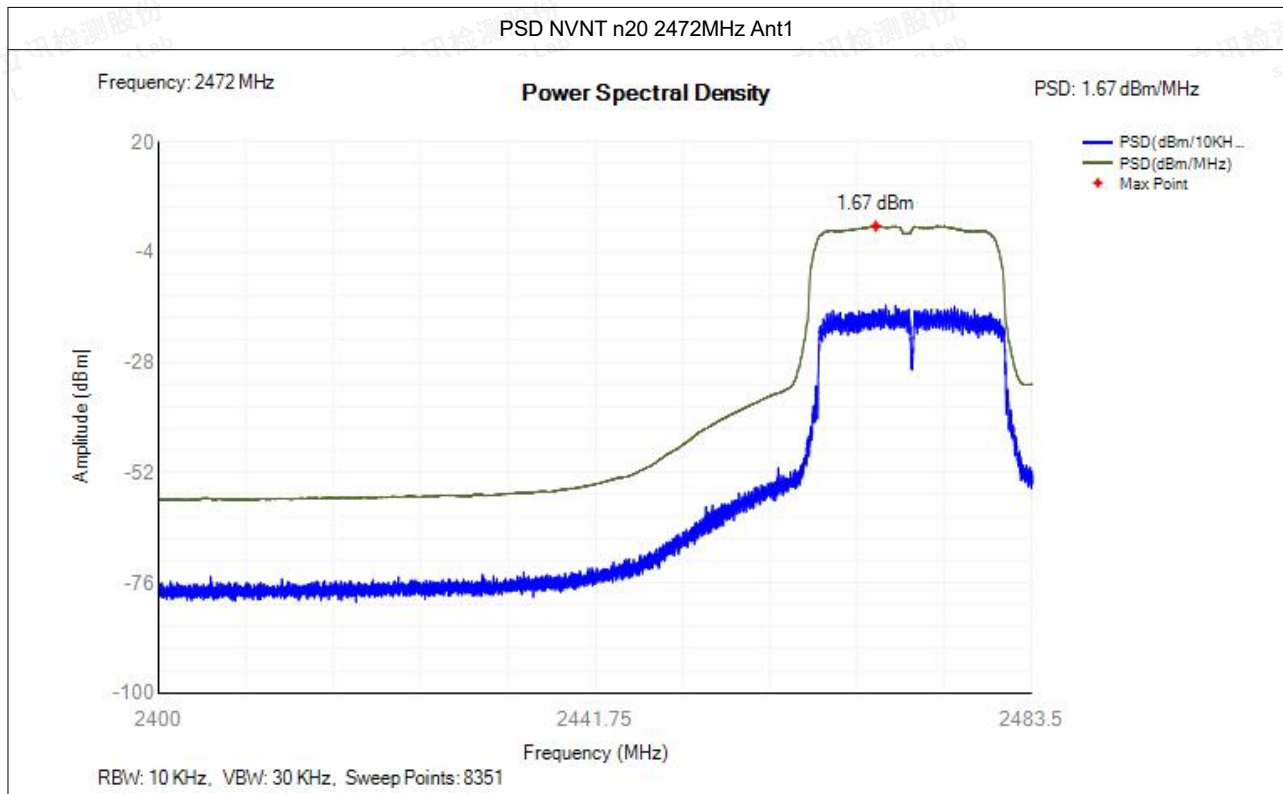
















### G.3 Adaptivity

Condition	Mode	Frequency (MHz)	AWGN Level (dBm)	CW Level (dBm)	Short Control Width (ms)	Short Control Ratio(%)	Limit (%)	Verdict
NVNT	b	2412	-63.92	-35	0	0	<=10	Pass
NVNT	b	2442	-64.90	-35	0	0	<=10	Pass
NVNT	b	2472	-64.35	-35	0	0	<=10	Pass
NVNT	g	2412	-64.05	-35	0	0	<=10	Pass
NVNT	g	2442	-63.98	-35	0	0	<=10	Pass
NVNT	g	2472	-64.41	-35	0	0	<=10	Pass
NVNT	n20	2412	-62.77	-35	0	0	<=10	Pass
NVNT	n20	2442	-62.99	-35	0	0	<=10	Pass
NVNT	n20	2472	-63.37	-35	0	0	<=10	Pass

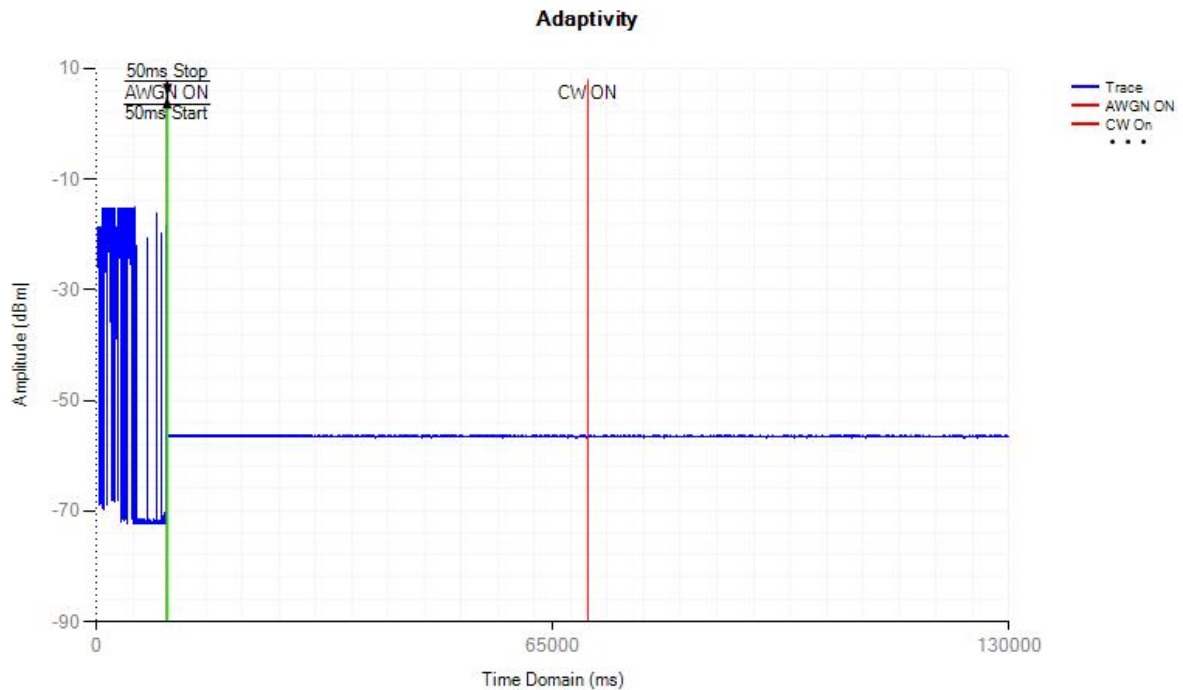


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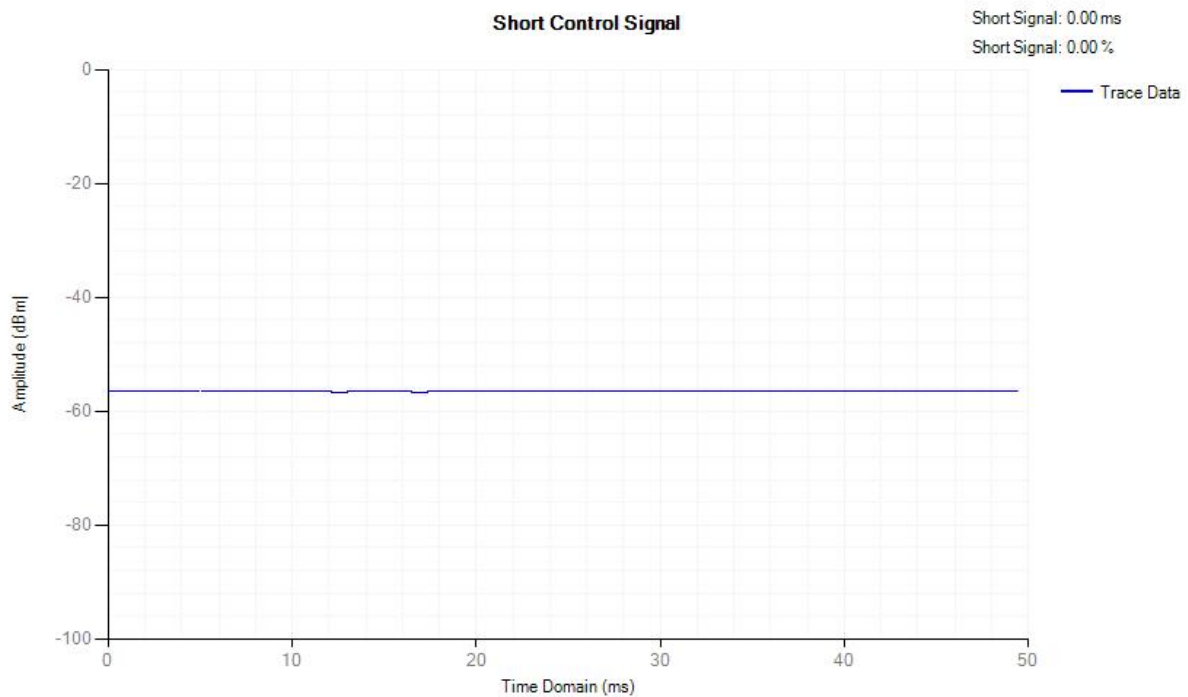


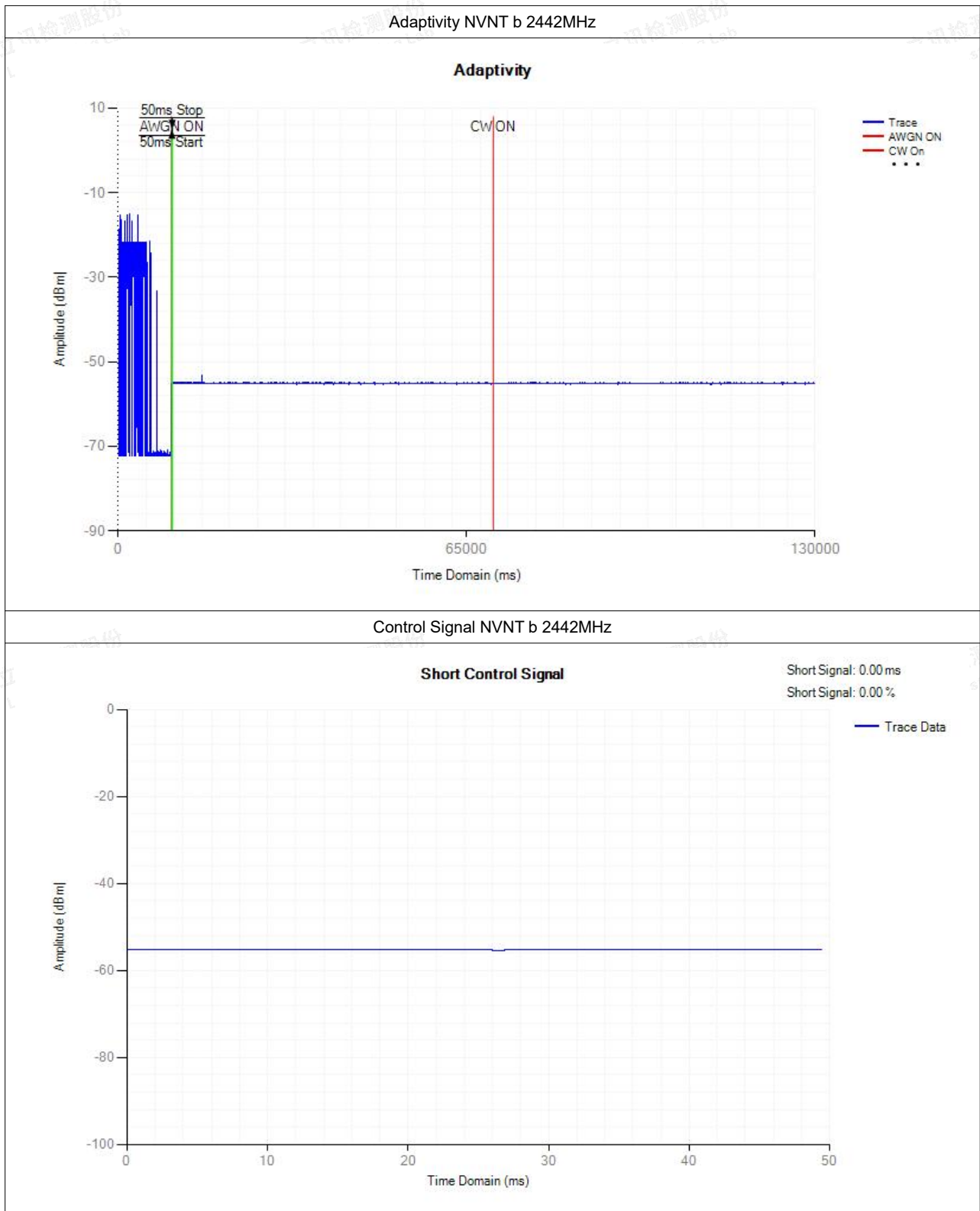
## Test Graphs

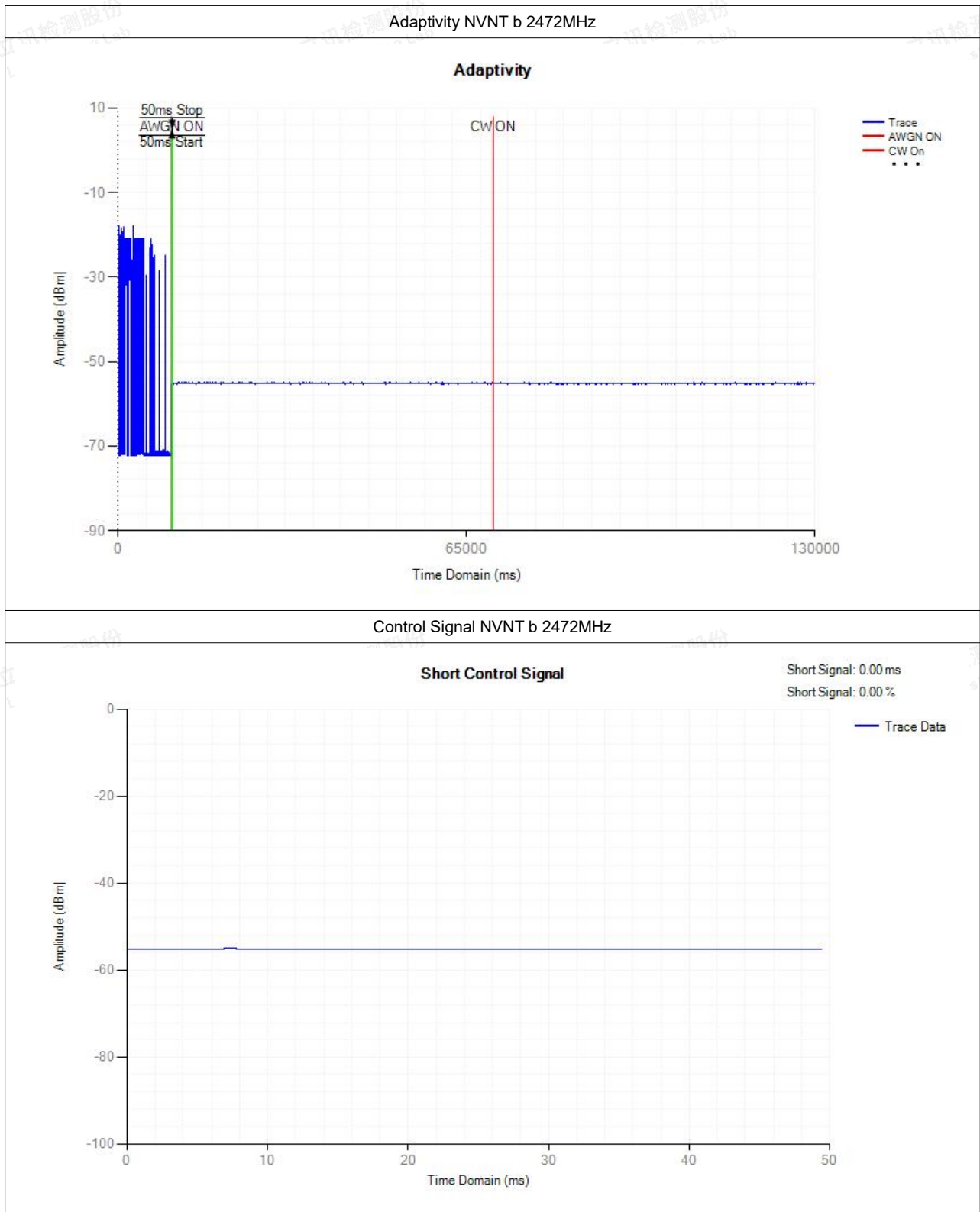
## Adaptivity NVNT b 2412MHz

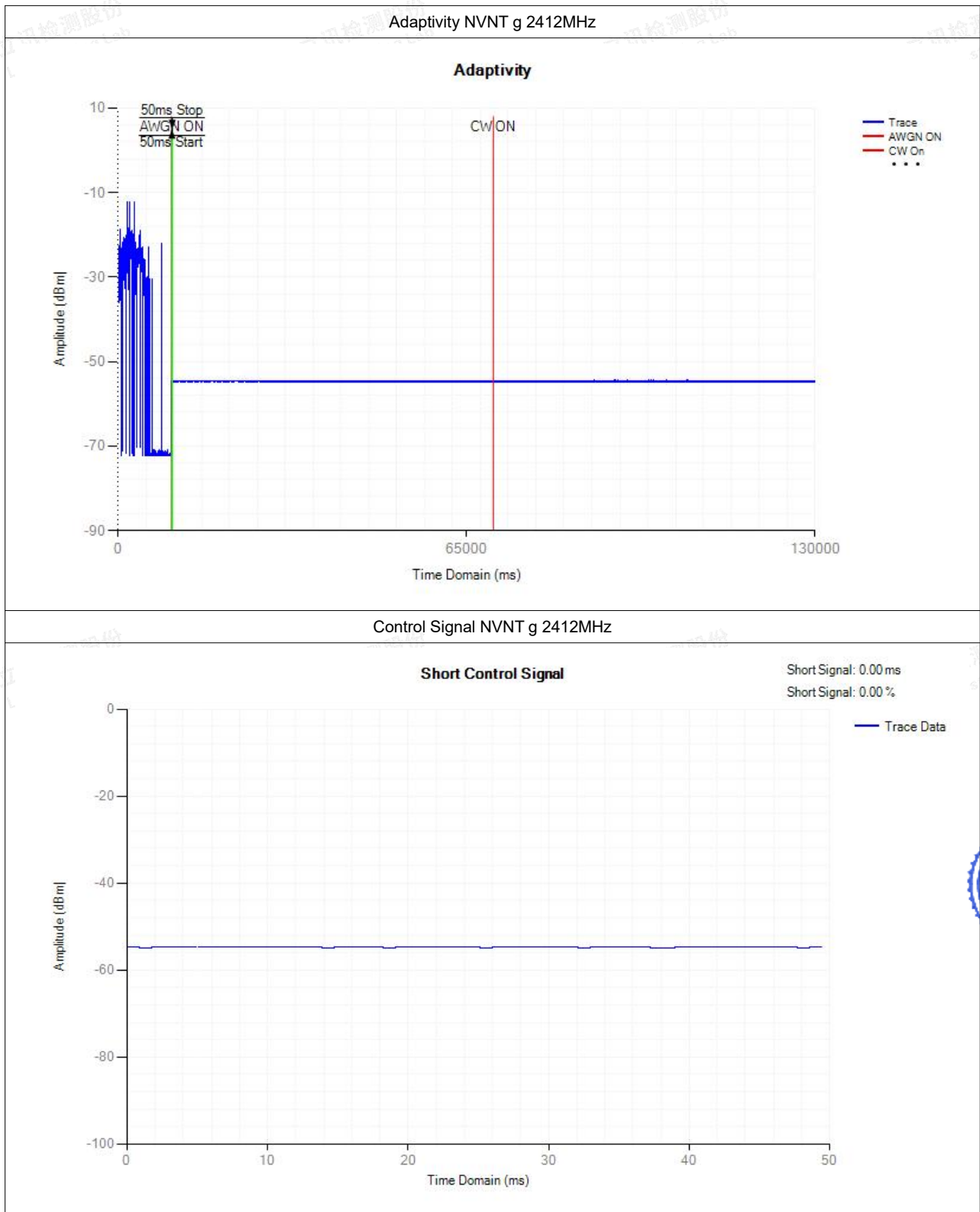


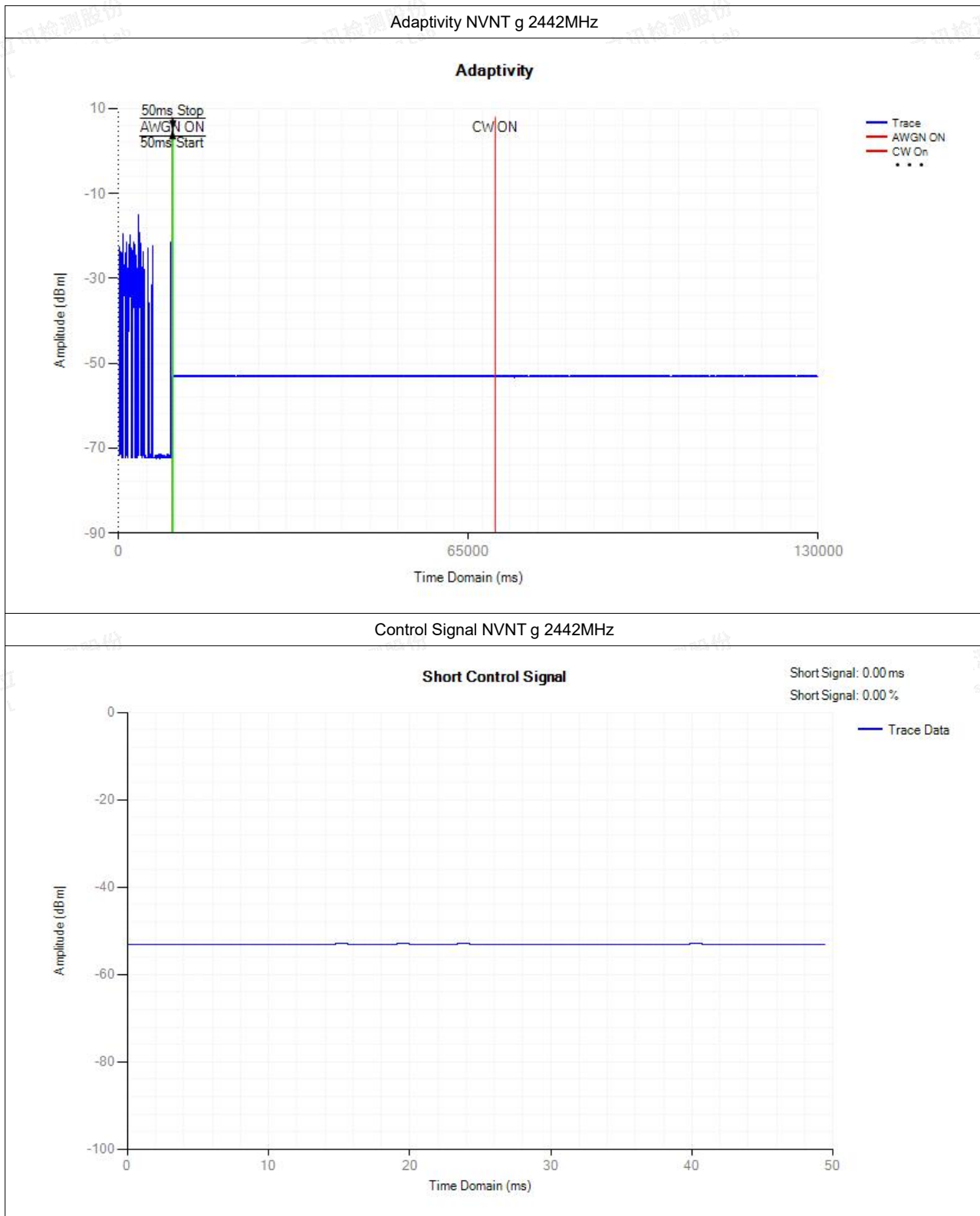
## Control Signal NVNT b 2412MHz



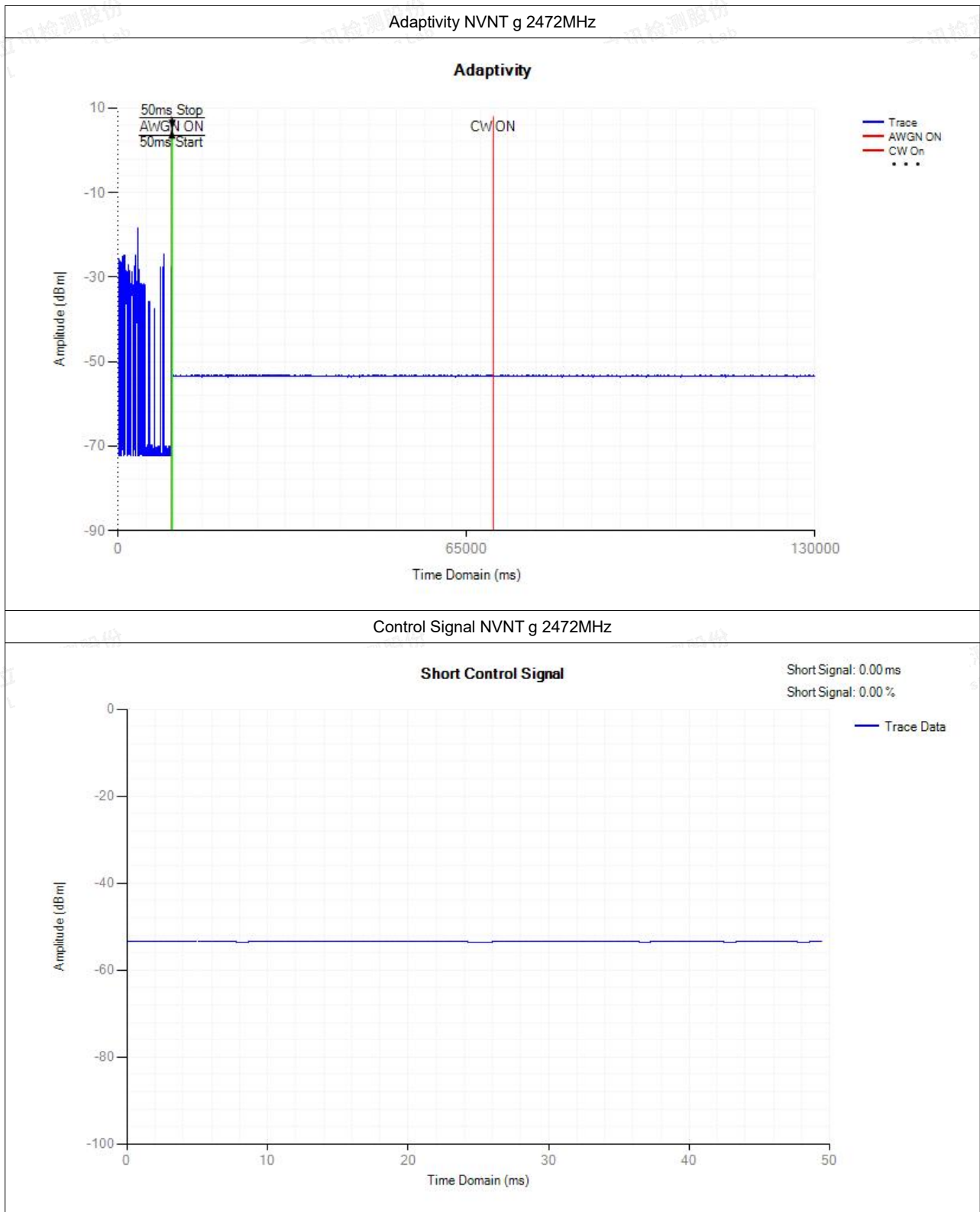


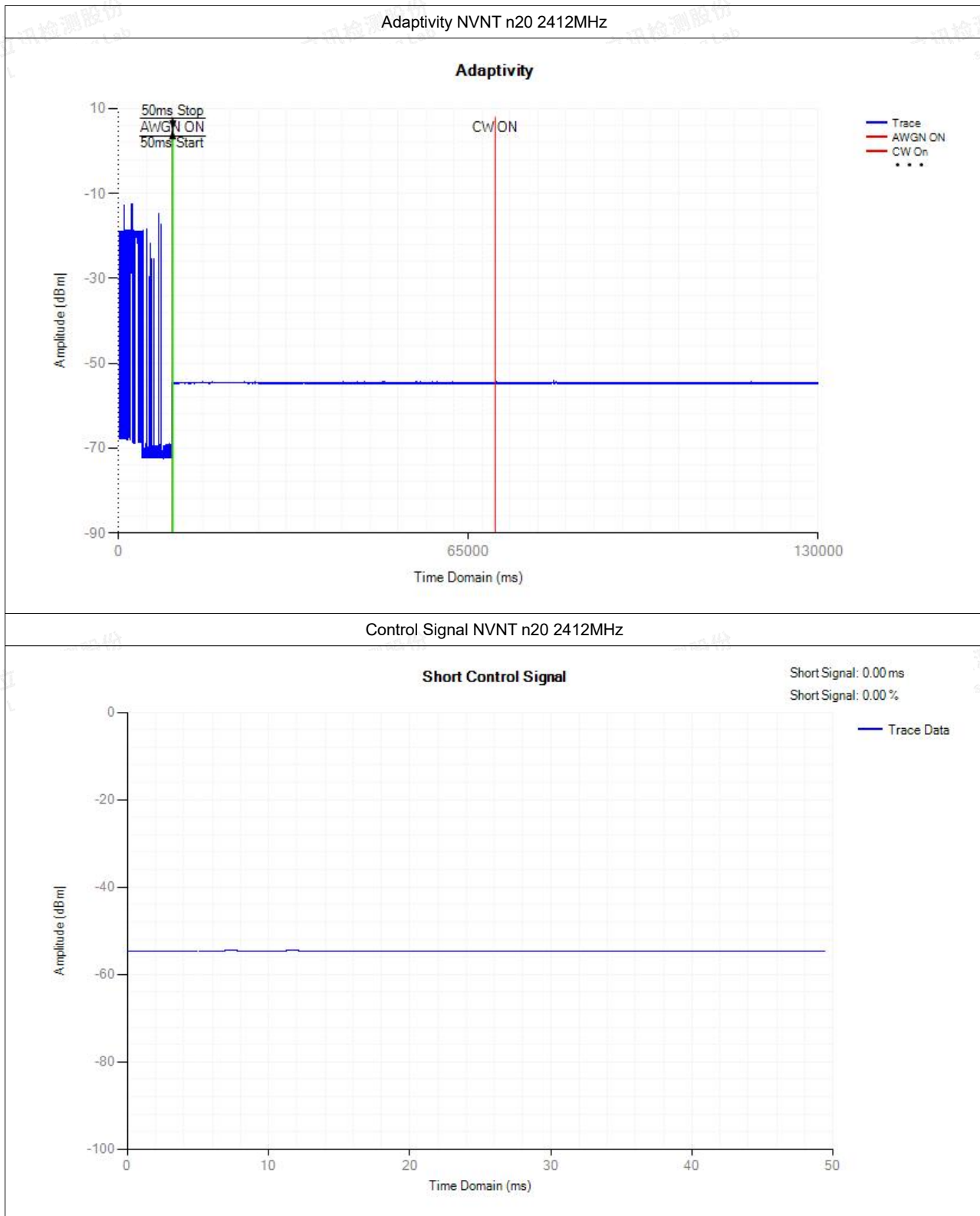


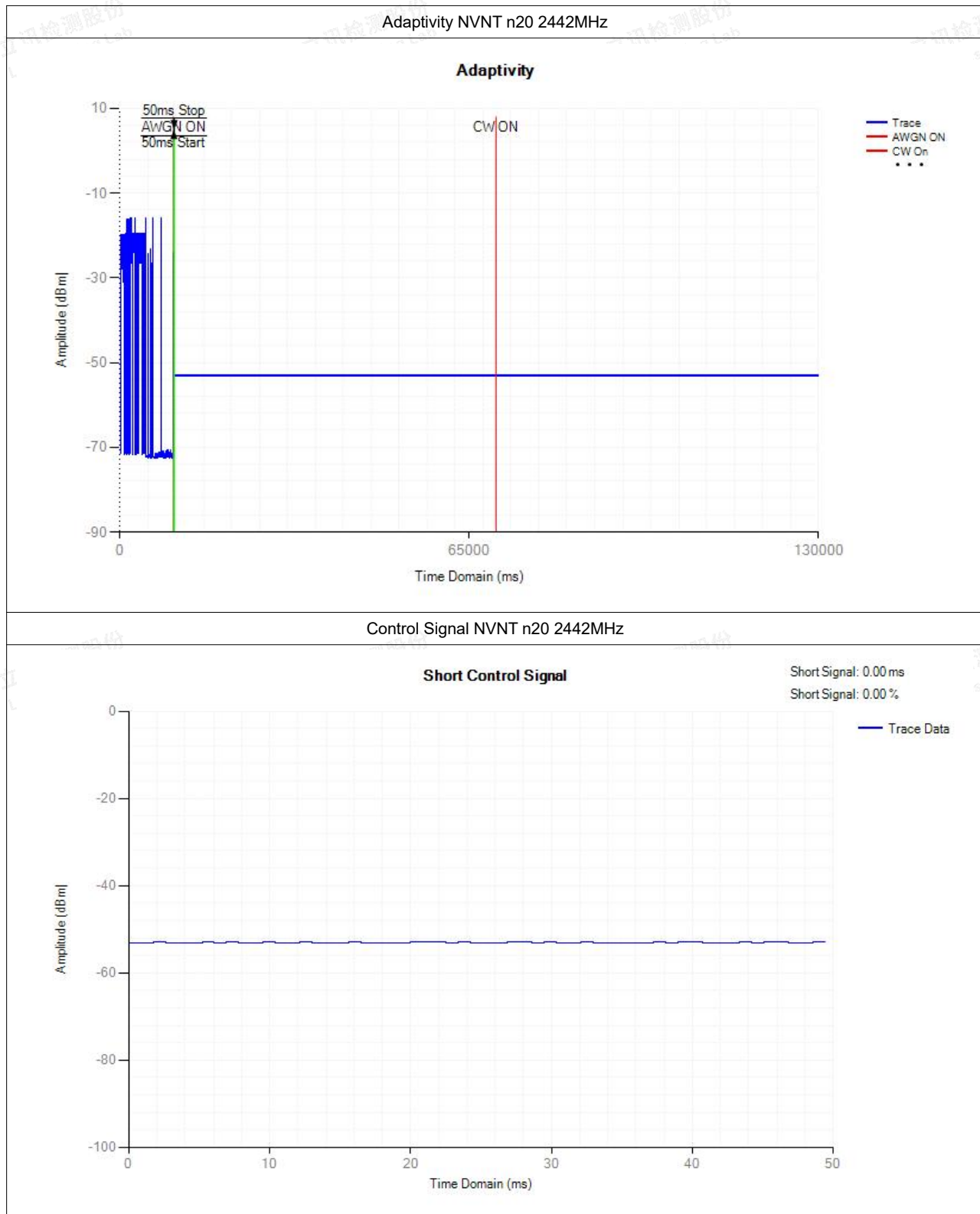


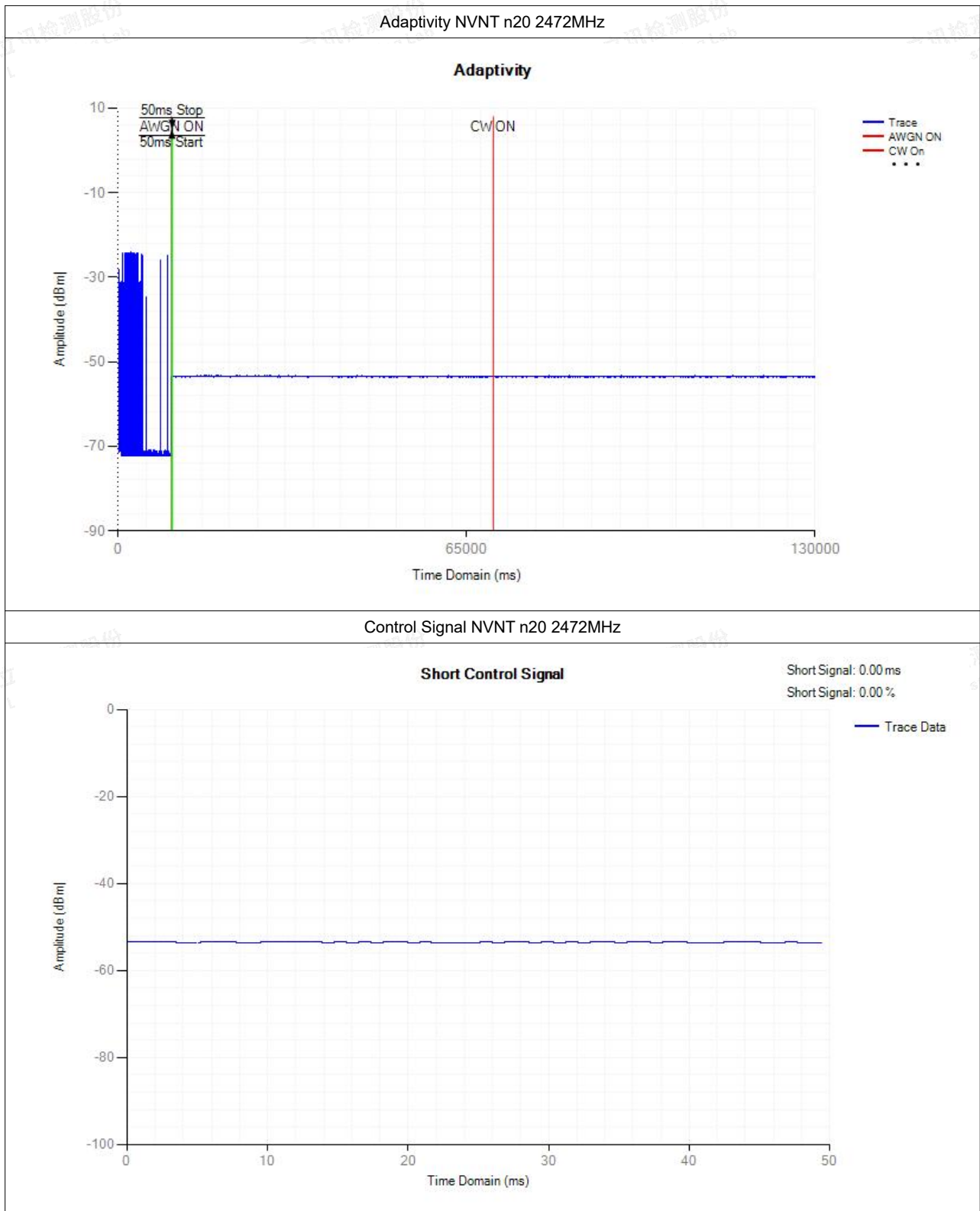














## G.4 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	Center Frequency (MHz)	OBW (MHz)	Lower Edge (MHz)	Upper Edge (MHz)	Limit OBW (MHz)	Verdict
NVNT	b	2412	Ant1	2411.978	12.015	2405.97	2417.985	2400 - 2483.5MHz	Pass
NVNT	b	2442	Ant1	2442.011	12.01	2436.006	2448.016	2400 - 2483.5MHz	Pass
NVNT	b	2472	Ant1	2472.015	12.04	2465.995	2478.035	2400 - 2483.5MHz	Pass
NVNT	g	2412	Ant1	2411.986	16.58	2403.696	2420.277	2400 - 2483.5MHz	Pass
NVNT	g	2442	Ant1	2441.997	16.508	2433.743	2450.251	2400 - 2483.5MHz	Pass
NVNT	g	2472	Ant1	2471.993	16.51	2463.738	2480.248	2400 - 2483.5MHz	Pass
NVNT	n20	2412	Ant1	2412.001	17.673	2403.165	2420.837	2400 - 2483.5MHz	Pass
NVNT	n20	2442	Ant1	2441.997	17.585	2433.204	2450.789	2400 - 2483.5MHz	Pass
NVNT	n20	2472	Ant1	2471.996	17.589	2463.202	2480.79	2400 - 2483.5MHz	Pass

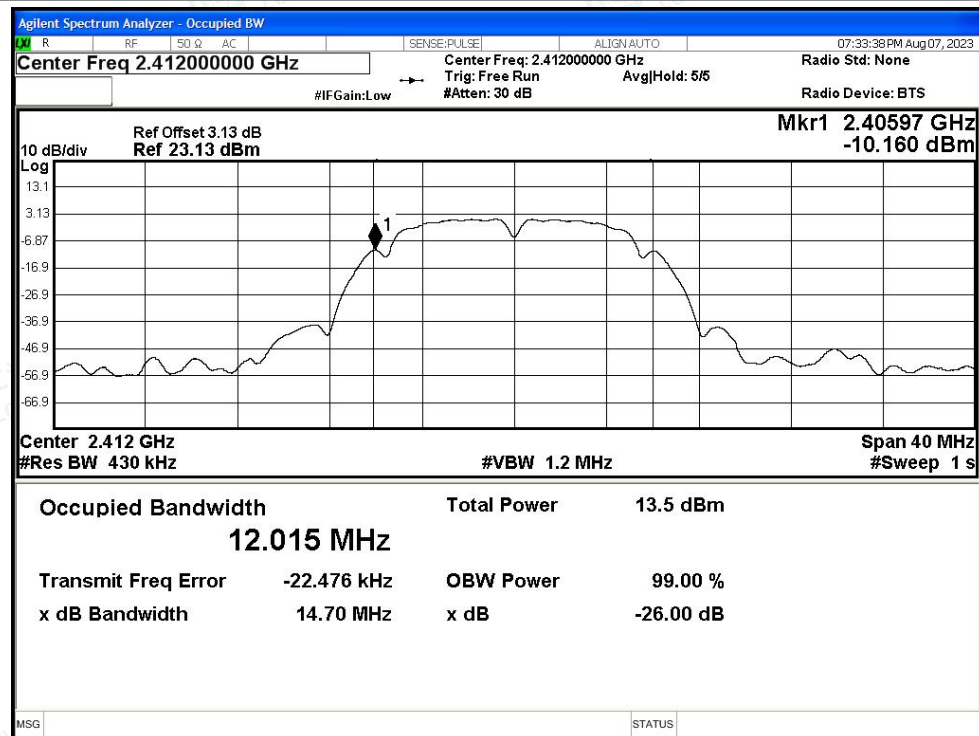


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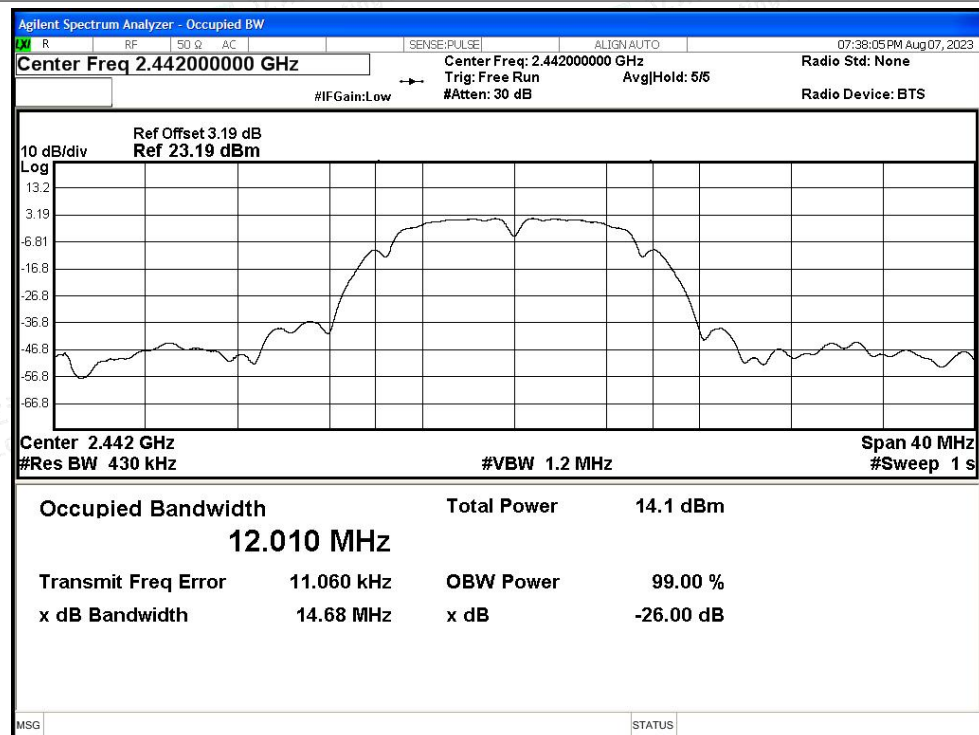


## Test Graphs

## OBW NVNT b 2412MHz Ant1



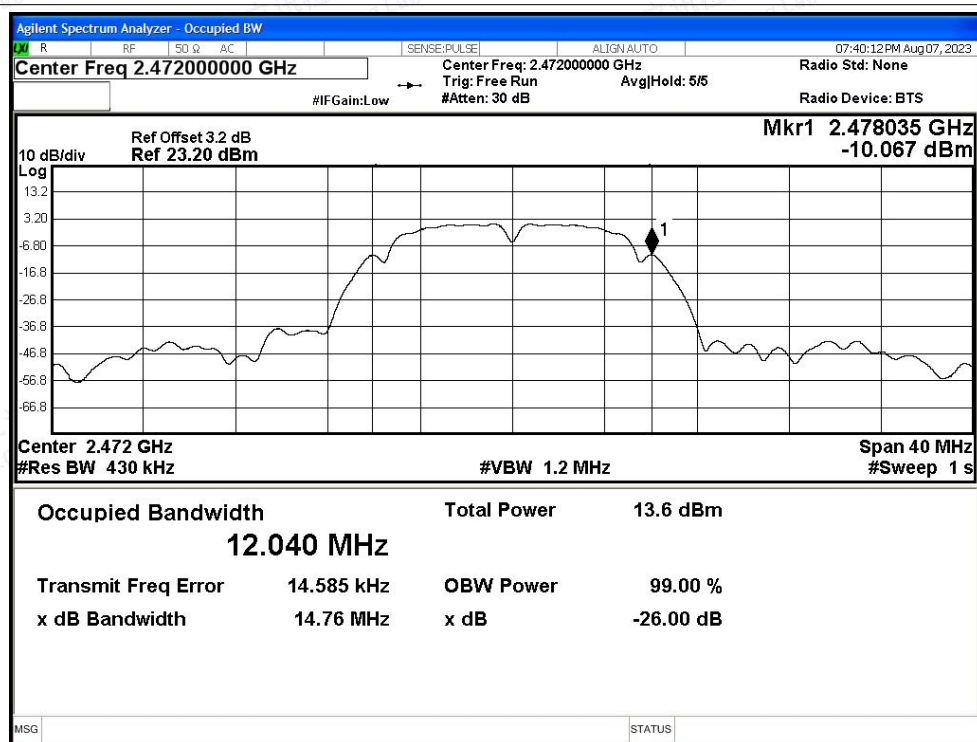
## OBW NVNT b 2442MHz Ant1



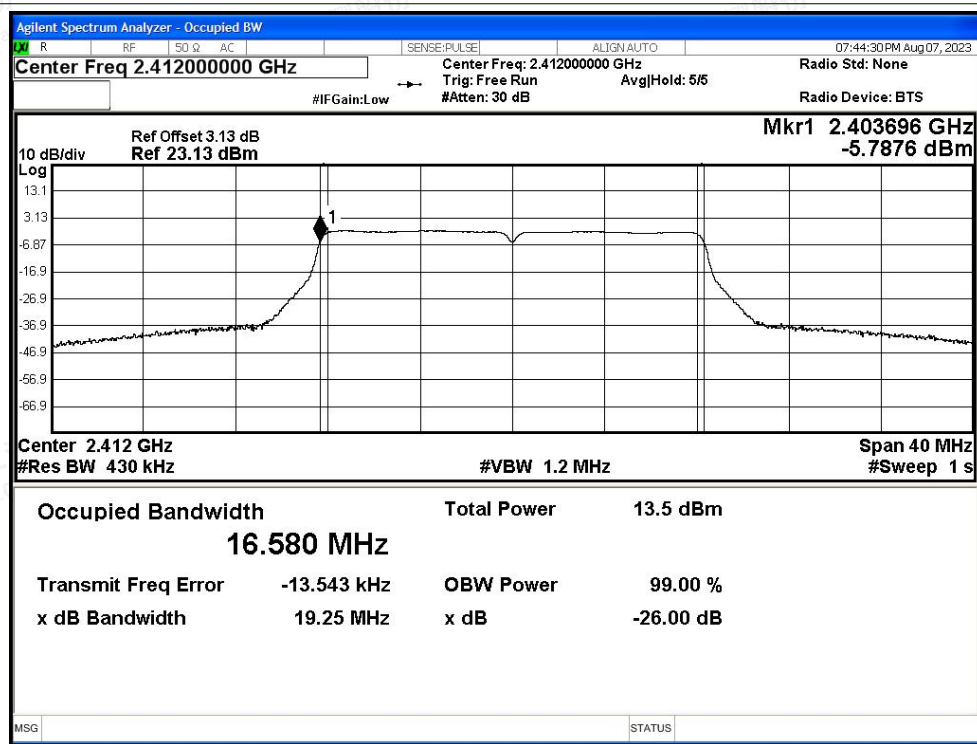




## OBW NVNT b 2472MHz Ant1

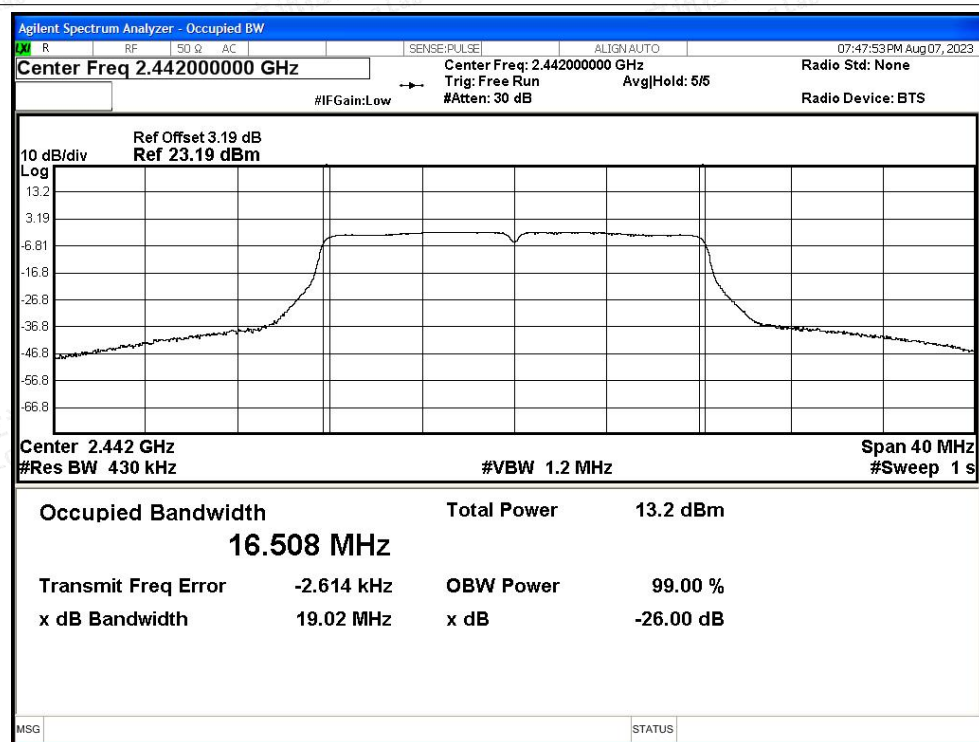


## OBW NVNT g 2412MHz Ant1

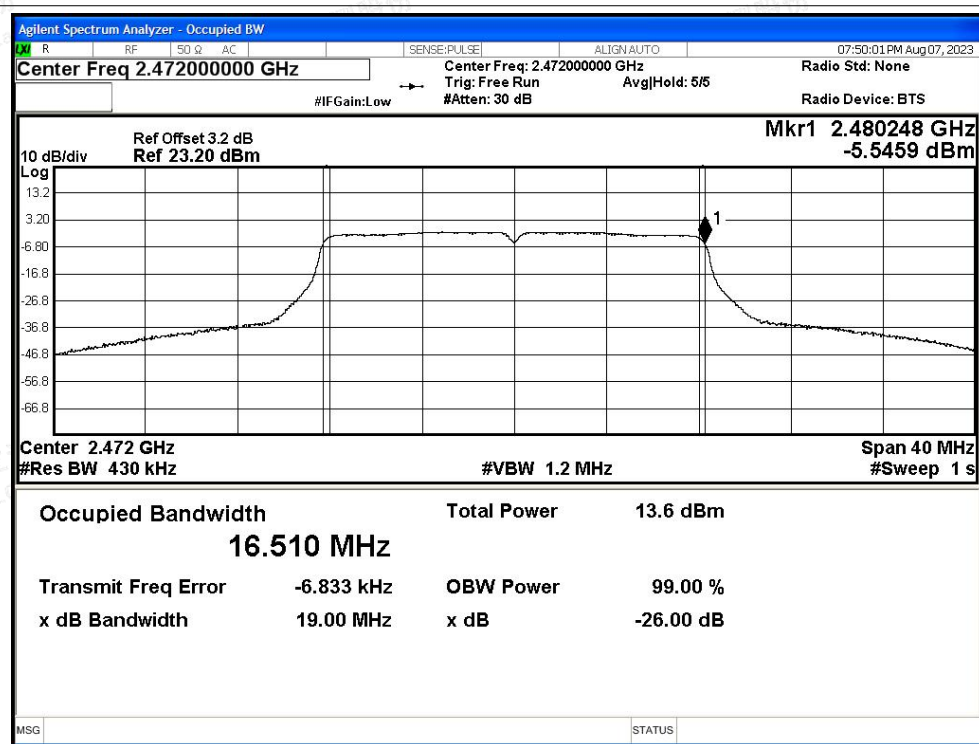




## OBW NVNT g 2442MHz Ant1

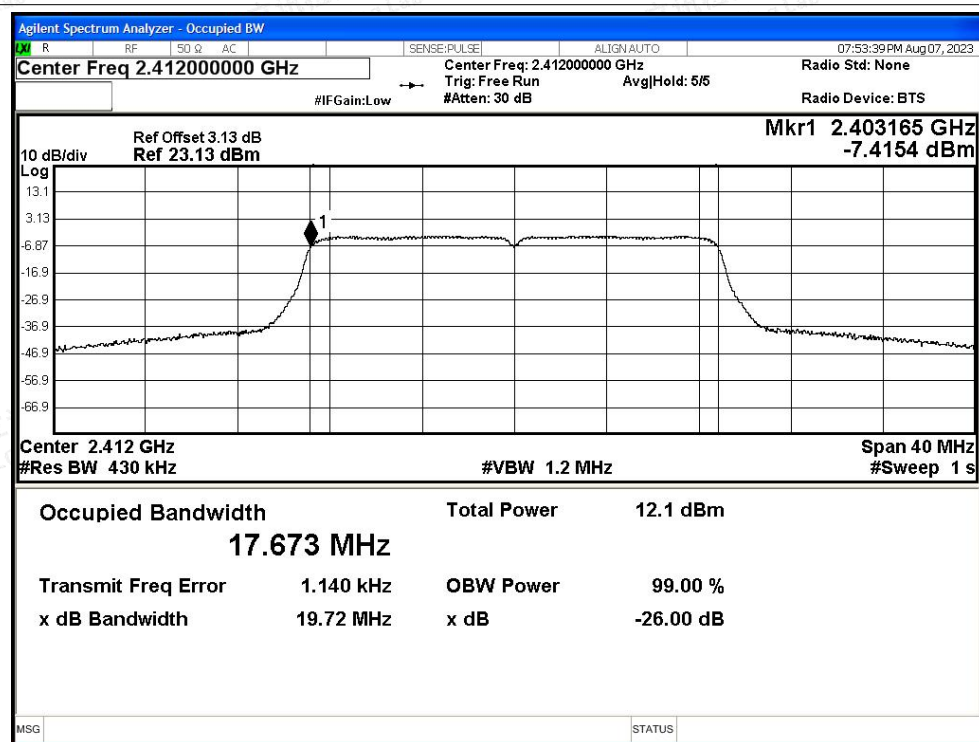


## OBW NVNT g 2472MHz Ant1

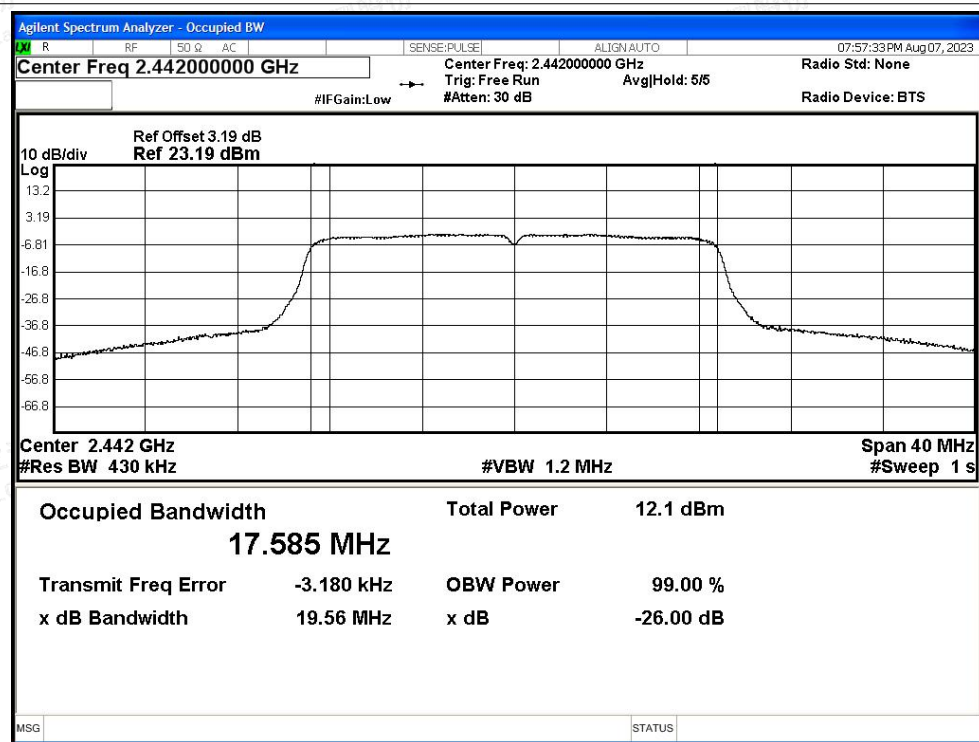


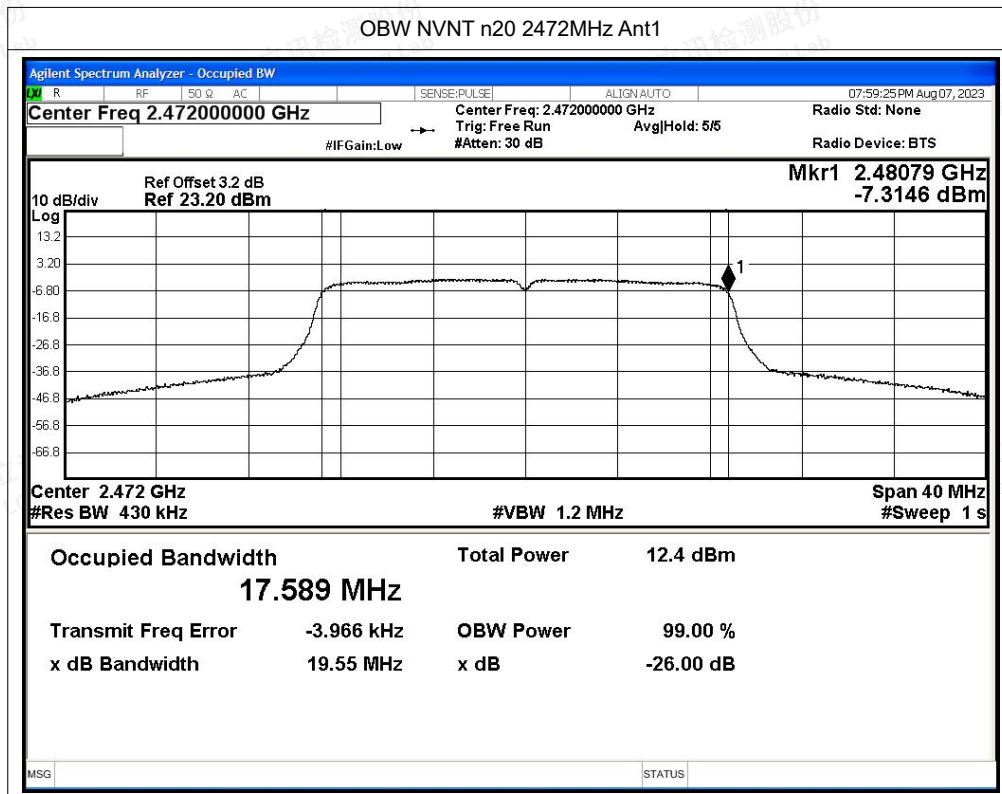


## OBW NVNT n20 2412MHz Ant1



## OBW NVNT n20 2442MHz Ant1







## G.5 Transmitter unwanted emissions in the out-of-band domain

Condition	Mode	Frequency (MHz)	Antenna	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	Ant1	2399.5	-51.49	-10	Pass
NVNT	b	2412	Ant1	2398.5	-48.57	-10	Pass
NVNT	b	2412	Ant1	2397.5	-50.55	-10	Pass
NVNT	b	2412	Ant1	2396.5	-48.3	-10	Pass
NVNT	b	2412	Ant1	2395.5	-52.34	-10	Pass
NVNT	b	2412	Ant1	2394.5	-52.39	-10	Pass
NVNT	b	2412	Ant1	2393.5	-51	-10	Pass
NVNT	b	2412	Ant1	2392.5	-50.87	-10	Pass
NVNT	b	2412	Ant1	2391.5	-53.65	-10	Pass
NVNT	b	2412	Ant1	2390.5	-54.4	-10	Pass
NVNT	b	2412	Ant1	2389.5	-54.24	-10	Pass
NVNT	b	2412	Ant1	2388.5	-54.42	-10	Pass
NVNT	b	2412	Ant1	2388.485	-54.13	-10	Pass
NVNT	b	2412	Ant1	2387.485	-52.47	-20	Pass
NVNT	b	2412	Ant1	2386.485	-53.93	-20	Pass
NVNT	b	2412	Ant1	2385.485	-55.78	-20	Pass
NVNT	b	2412	Ant1	2384.485	-55.41	-20	Pass
NVNT	b	2412	Ant1	2383.485	-53.97	-20	Pass
NVNT	b	2412	Ant1	2382.485	-51.68	-20	Pass
NVNT	b	2412	Ant1	2381.485	-52.65	-20	Pass
NVNT	b	2412	Ant1	2380.485	-54.24	-20	Pass
NVNT	b	2412	Ant1	2379.485	-54.47	-20	Pass
NVNT	b	2412	Ant1	2378.485	-56.74	-20	Pass
NVNT	b	2412	Ant1	2377.485	-55.7	-20	Pass
NVNT	b	2412	Ant1	2376.485	-57.68	-20	Pass
NVNT	b	2412	Ant1	2376.47	-57.74	-20	Pass
NVNT	b	2472	Ant1	2484	-42.71	-10	Pass
NVNT	b	2472	Ant1	2485	-40.54	-10	Pass
NVNT	b	2472	Ant1	2486	-39.07	-10	Pass
NVNT	b	2472	Ant1	2487	-39.17	-10	Pass
NVNT	b	2472	Ant1	2488	-42.37	-10	Pass
NVNT	b	2472	Ant1	2489	-43.93	-10	Pass
NVNT	b	2472	Ant1	2490	-46.9	-10	Pass
NVNT	b	2472	Ant1	2491	-50.25	-10	Pass
NVNT	b	2472	Ant1	2492	-48.78	-10	Pass
NVNT	b	2472	Ant1	2493	-49.87	-10	Pass
NVNT	b	2472	Ant1	2494	-49.16	-10	Pass
NVNT	b	2472	Ant1	2495	-49.31	-10	Pass





NVNT	b	2472	Ant1	2495.04	-49.19	-10	Pass
NVNT	b	2472	Ant1	2496.04	-48.67	-20	Pass
NVNT	b	2472	Ant1	2497.04	-54.18	-20	Pass
NVNT	b	2472	Ant1	2498.04	-55.28	-20	Pass
NVNT	b	2472	Ant1	2499.04	-52.74	-20	Pass
NVNT	b	2472	Ant1	2500.04	-52.86	-20	Pass
NVNT	b	2472	Ant1	2501.04	-49.81	-20	Pass
NVNT	b	2472	Ant1	2502.04	-52.4	-20	Pass
NVNT	b	2472	Ant1	2503.04	-53.24	-20	Pass
NVNT	b	2472	Ant1	2504.04	-54.54	-20	Pass
NVNT	b	2472	Ant1	2505.04	-55.88	-20	Pass
NVNT	b	2472	Ant1	2506.04	-57.1	-20	Pass
NVNT	b	2472	Ant1	2507.04	-57.27	-20	Pass
NVNT	b	2472	Ant1	2507.08	-57.21	-20	Pass
NVNT	g	2412	Ant1	2399.5	-32.54	-10	Pass
NVNT	g	2412	Ant1	2398.5	-29.33	-10	Pass
NVNT	g	2412	Ant1	2397.5	-32.52	-10	Pass
NVNT	g	2412	Ant1	2396.5	-33.68	-10	Pass
NVNT	g	2412	Ant1	2395.5	-34.55	-10	Pass
NVNT	g	2412	Ant1	2394.5	-37.8	-10	Pass
NVNT	g	2412	Ant1	2393.5	-37.78	-10	Pass
NVNT	g	2412	Ant1	2392.5	-38.52	-10	Pass
NVNT	g	2412	Ant1	2391.5	-37.1	-10	Pass
NVNT	g	2412	Ant1	2390.5	-39.93	-10	Pass
NVNT	g	2412	Ant1	2389.5	-38.8	-10	Pass
NVNT	g	2412	Ant1	2388.5	-40.31	-10	Pass
NVNT	g	2412	Ant1	2387.5	-42.27	-10	Pass
NVNT	g	2412	Ant1	2386.5	-45.64	-10	Pass
NVNT	g	2412	Ant1	2385.5	-47.22	-10	Pass
NVNT	g	2412	Ant1	2384.5	-47.73	-10	Pass
NVNT	g	2412	Ant1	2383.92	-48.17	-10	Pass
NVNT	g	2412	Ant1	2382.92	-50.57	-20	Pass
NVNT	g	2412	Ant1	2381.92	-51.69	-20	Pass
NVNT	g	2412	Ant1	2380.92	-52.44	-20	Pass
NVNT	g	2412	Ant1	2379.92	-53.19	-20	Pass
NVNT	g	2412	Ant1	2378.92	-54.33	-20	Pass
NVNT	g	2412	Ant1	2377.92	-56.11	-20	Pass
NVNT	g	2412	Ant1	2376.92	-56.53	-20	Pass
NVNT	g	2412	Ant1	2375.92	-56.8	-20	Pass
NVNT	g	2412	Ant1	2374.92	-57.4	-20	Pass
NVNT	g	2412	Ant1	2373.92	-58.06	-20	Pass







NVNT	g	2412	Ant1	2372.92	-58.39	-20	Pass
NVNT	g	2412	Ant1	2371.92	-58.79	-20	Pass
NVNT	g	2412	Ant1	2370.92	-58.98	-20	Pass
NVNT	g	2412	Ant1	2369.92	-59.26	-20	Pass
NVNT	g	2412	Ant1	2368.92	-59.57	-20	Pass
NVNT	g	2412	Ant1	2367.92	-59.54	-20	Pass
NVNT	g	2412	Ant1	2367.34	-59.83	-20	Pass
NVNT	g	2472	Ant1	2484	-31.21	-10	Pass
NVNT	g	2472	Ant1	2485	-31.91	-10	Pass
NVNT	g	2472	Ant1	2486	-32.05	-10	Pass
NVNT	g	2472	Ant1	2487	-33.31	-10	Pass
NVNT	g	2472	Ant1	2488	-34.7	-10	Pass
NVNT	g	2472	Ant1	2489	-35.47	-10	Pass
NVNT	g	2472	Ant1	2490	-36.94	-10	Pass
NVNT	g	2472	Ant1	2491	-38.26	-10	Pass
NVNT	g	2472	Ant1	2492	-39.91	-10	Pass
NVNT	g	2472	Ant1	2493	-42.41	-10	Pass
NVNT	g	2472	Ant1	2494	-44.12	-10	Pass
NVNT	g	2472	Ant1	2495	-47.63	-10	Pass
NVNT	g	2472	Ant1	2496	-51.45	-10	Pass
NVNT	g	2472	Ant1	2497	-53.72	-10	Pass
NVNT	g	2472	Ant1	2498	-54.04	-10	Pass
NVNT	g	2472	Ant1	2499	-54.82	-10	Pass
NVNT	g	2472	Ant1	2499.51	-55.44	-10	Pass
NVNT	g	2472	Ant1	2500.51	-55.64	-20	Pass
NVNT	g	2472	Ant1	2501.51	-56.15	-20	Pass
NVNT	g	2472	Ant1	2502.51	-56.7	-20	Pass
NVNT	g	2472	Ant1	2503.51	-56.86	-20	Pass
NVNT	g	2472	Ant1	2504.51	-57.44	-20	Pass
NVNT	g	2472	Ant1	2505.51	-57.7	-20	Pass
NVNT	g	2472	Ant1	2506.51	-58.4	-20	Pass
NVNT	g	2472	Ant1	2507.51	-58.71	-20	Pass
NVNT	g	2472	Ant1	2508.51	-59.05	-20	Pass
NVNT	g	2472	Ant1	2509.51	-59.12	-20	Pass
NVNT	g	2472	Ant1	2510.51	-59.52	-20	Pass
NVNT	g	2472	Ant1	2511.51	-59.73	-20	Pass
NVNT	g	2472	Ant1	2512.51	-59.85	-20	Pass
NVNT	g	2472	Ant1	2513.51	-60.38	-20	Pass
NVNT	g	2472	Ant1	2514.51	-60.45	-20	Pass
NVNT	g	2472	Ant1	2515.51	-60.44	-20	Pass
NVNT	g	2472	Ant1	2516.02	-60.34	-20	Pass





NVNT	n20	2412	Ant1	2399.5	-25.9	-10	Pass
NVNT	n20	2412	Ant1	2398.5	-28.54	-10	Pass
NVNT	n20	2412	Ant1	2397.5	-28.9	-10	Pass
NVNT	n20	2412	Ant1	2396.5	-31.55	-10	Pass
NVNT	n20	2412	Ant1	2395.5	-31.64	-10	Pass
NVNT	n20	2412	Ant1	2394.5	-35.66	-10	Pass
NVNT	n20	2412	Ant1	2393.5	-37.34	-10	Pass
NVNT	n20	2412	Ant1	2392.5	-36.56	-10	Pass
NVNT	n20	2412	Ant1	2391.5	-39.94	-10	Pass
NVNT	n20	2412	Ant1	2390.5	-40.36	-10	Pass
NVNT	n20	2412	Ant1	2389.5	-42.19	-10	Pass
NVNT	n20	2412	Ant1	2388.5	-42.92	-10	Pass
NVNT	n20	2412	Ant1	2387.5	-44.36	-10	Pass
NVNT	n20	2412	Ant1	2386.5	-43.13	-10	Pass
NVNT	n20	2412	Ant1	2385.5	-47.83	-10	Pass
NVNT	n20	2412	Ant1	2384.5	-48.62	-10	Pass
NVNT	n20	2412	Ant1	2383.5	-50.46	-10	Pass
NVNT	n20	2412	Ant1	2382.827	-50.26	-10	Pass
NVNT	n20	2412	Ant1	2381.827	-51.25	-20	Pass
NVNT	n20	2412	Ant1	2380.827	-52.54	-20	Pass
NVNT	n20	2412	Ant1	2379.827	-53.13	-20	Pass
NVNT	n20	2412	Ant1	2378.827	-54.26	-20	Pass
NVNT	n20	2412	Ant1	2377.827	-55.14	-20	Pass
NVNT	n20	2412	Ant1	2376.827	-56.08	-20	Pass
NVNT	n20	2412	Ant1	2375.827	-57.09	-20	Pass
NVNT	n20	2412	Ant1	2374.827	-57.92	-20	Pass
NVNT	n20	2412	Ant1	2373.827	-58.45	-20	Pass
NVNT	n20	2412	Ant1	2372.827	-59.14	-20	Pass
NVNT	n20	2412	Ant1	2371.827	-59.64	-20	Pass
NVNT	n20	2412	Ant1	2370.827	-60.15	-20	Pass
NVNT	n20	2412	Ant1	2369.827	-59.99	-20	Pass
NVNT	n20	2412	Ant1	2368.827	-60.2	-20	Pass
NVNT	n20	2412	Ant1	2367.827	-60.11	-20	Pass
NVNT	n20	2412	Ant1	2366.827	-60.69	-20	Pass
NVNT	n20	2412	Ant1	2365.827	-60.68	-20	Pass
NVNT	n20	2412	Ant1	2365.154	-60.96	-20	Pass
NVNT	n20	2472	Ant1	2484	-31.07	-10	Pass
NVNT	n20	2472	Ant1	2485	-32.86	-10	Pass
NVNT	n20	2472	Ant1	2486	-33.83	-10	Pass
NVNT	n20	2472	Ant1	2487	-35.02	-10	Pass
NVNT	n20	2472	Ant1	2488	-36.37	-10	Pass





NVNT	n20	2472	Ant1	2489	-37	-10	Pass
NVNT	n20	2472	Ant1	2490	-38.82	-10	Pass
NVNT	n20	2472	Ant1	2491	-40.04	-10	Pass
NVNT	n20	2472	Ant1	2492	-41.03	-10	Pass
NVNT	n20	2472	Ant1	2493	-42.66	-10	Pass
NVNT	n20	2472	Ant1	2494	-44.51	-10	Pass
NVNT	n20	2472	Ant1	2495	-46.28	-10	Pass
NVNT	n20	2472	Ant1	2496	-49.43	-10	Pass
NVNT	n20	2472	Ant1	2497	-52.1	-10	Pass
NVNT	n20	2472	Ant1	2498	-53.68	-10	Pass
NVNT	n20	2472	Ant1	2499	-54.89	-10	Pass
NVNT	n20	2472	Ant1	2500	-55.55	-10	Pass
NVNT	n20	2472	Ant1	2500.589	-56.38	-10	Pass
NVNT	n20	2472	Ant1	2501.589	-56.33	-20	Pass
NVNT	n20	2472	Ant1	2502.589	-57.47	-20	Pass
NVNT	n20	2472	Ant1	2503.589	-57.79	-20	Pass
NVNT	n20	2472	Ant1	2504.589	-58.07	-20	Pass
NVNT	n20	2472	Ant1	2505.589	-58.7	-20	Pass
NVNT	n20	2472	Ant1	2506.589	-58.95	-20	Pass
NVNT	n20	2472	Ant1	2507.589	-59.18	-20	Pass
NVNT	n20	2472	Ant1	2508.589	-59.46	-20	Pass
NVNT	n20	2472	Ant1	2509.589	-59.61	-20	Pass
NVNT	n20	2472	Ant1	2510.589	-60.11	-20	Pass
NVNT	n20	2472	Ant1	2511.589	-60.39	-20	Pass
NVNT	n20	2472	Ant1	2512.589	-60.74	-20	Pass
NVNT	n20	2472	Ant1	2513.589	-60.98	-20	Pass
NVNT	n20	2472	Ant1	2514.589	-61.26	-20	Pass
NVNT	n20	2472	Ant1	2515.589	-60.89	-20	Pass
NVNT	n20	2472	Ant1	2516.589	-60.87	-20	Pass
NVNT	n20	2472	Ant1	2517.589	-61.25	-20	Pass
NVNT	n20	2472	Ant1	2518.178	-61.07	-20	Pass

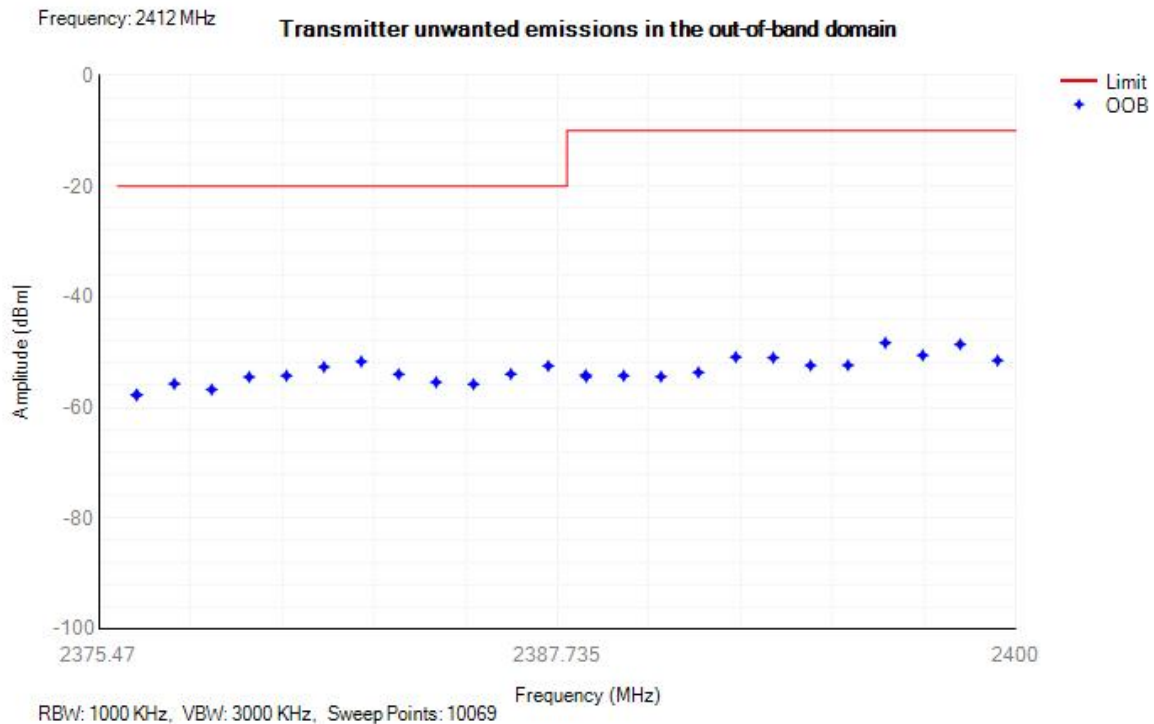


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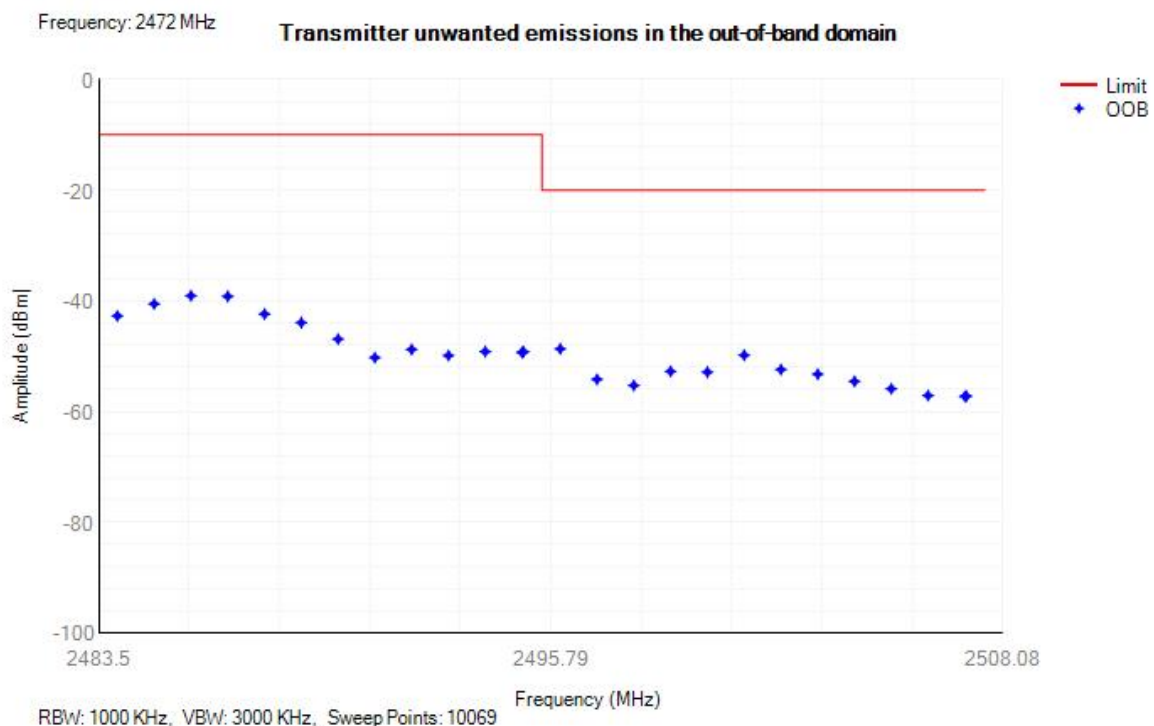


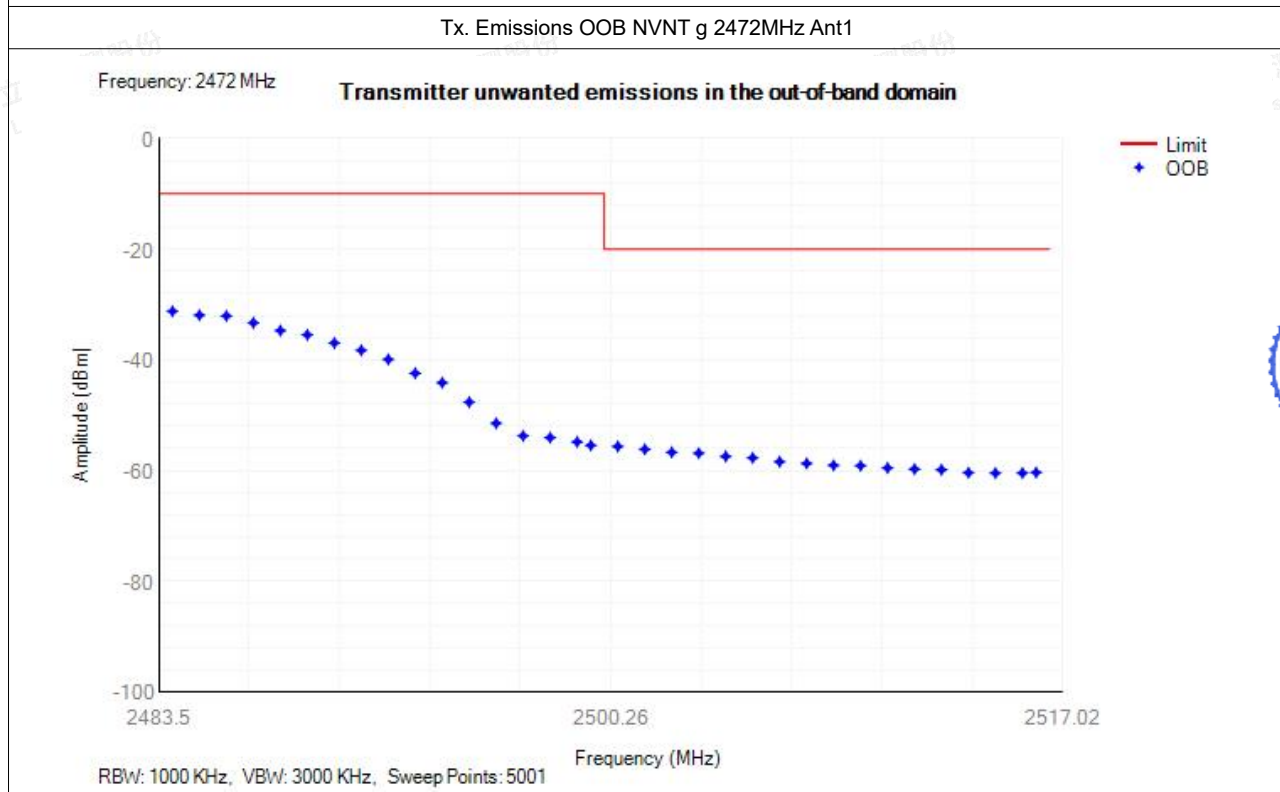
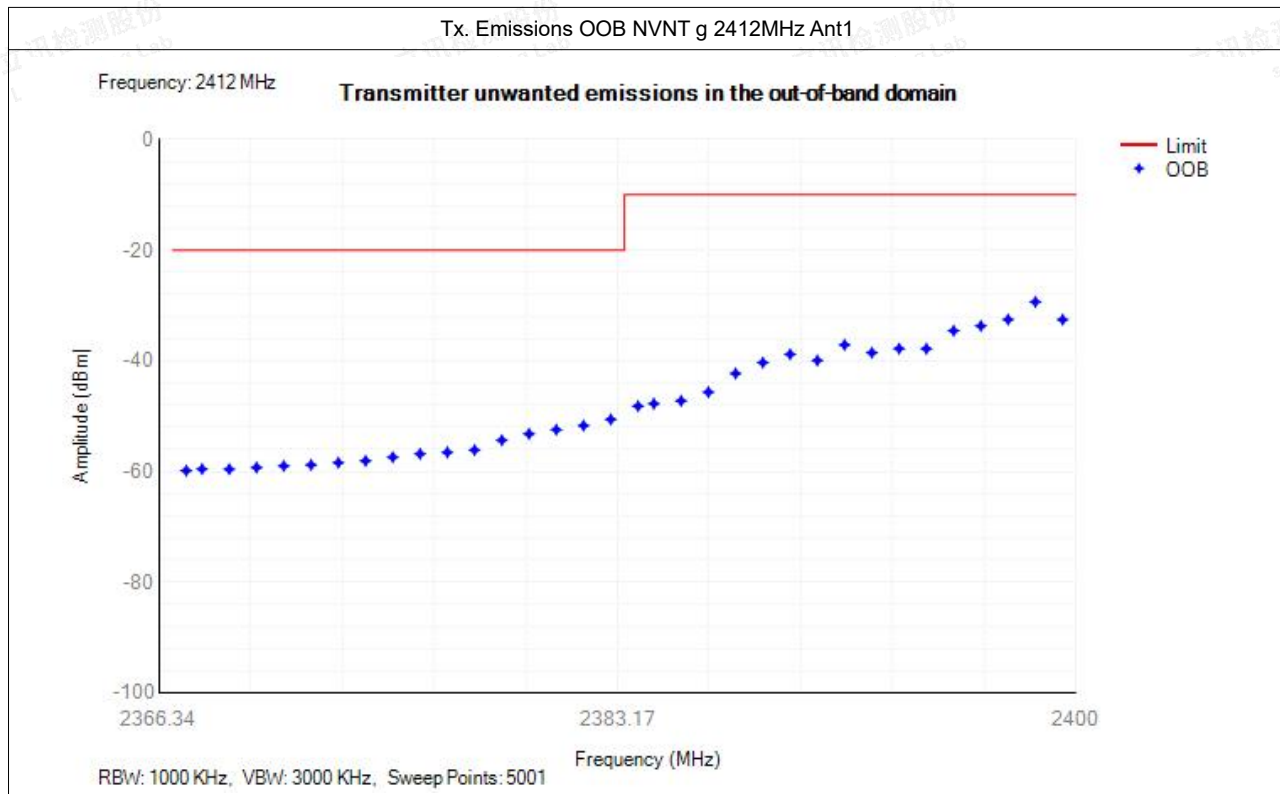
## Test Graphs

Tx. Emissions OOB NVNT b 2412MHz Ant1



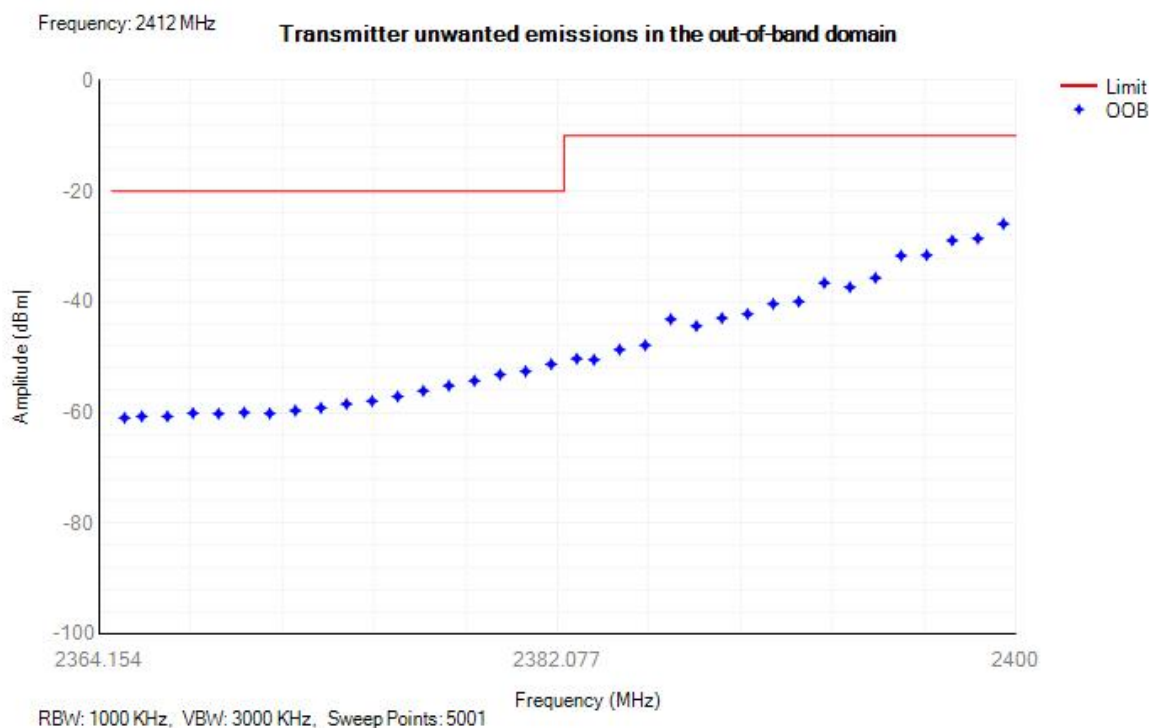
Tx. Emissions OOB NVNT b 2472MHz Ant1



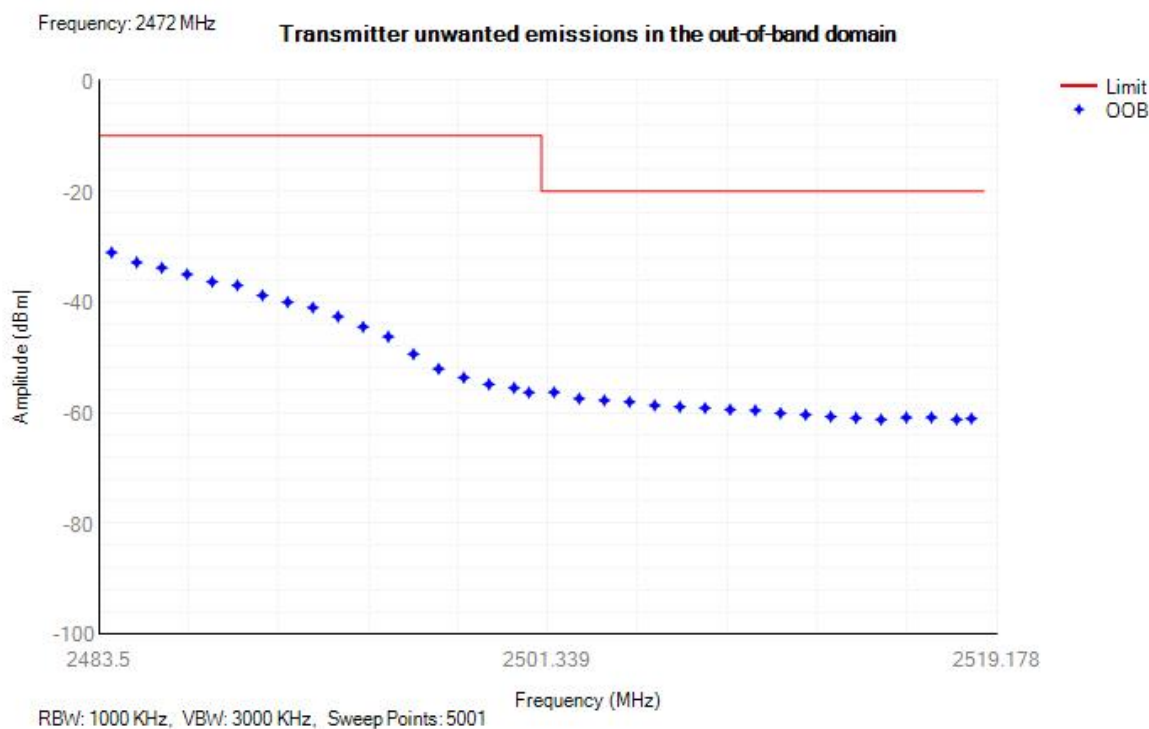




## Tx. Emissions OOB NVNT n20 2412MHz Ant1



## Tx. Emissions OOB NVNT n20 2472MHz Ant1







## G.6 Transmitter unwanted emissions in the spurious domain

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Spur Freq (MHz)	Peak (dBm)	RMS (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	30 -47	36.70	-64.07	NA	-36	Pass
NVNT	b	2412	Ant1	47 -74	67.60	-63.53	NA	-54	Pass
NVNT	b	2412	Ant1	74 -87.5	82.95	-63.01	NA	-36	Pass
NVNT	b	2412	Ant1	87.5 -118	99.20	-61.59	NA	-54	Pass
NVNT	b	2412	Ant1	118 -174	157.80	-61.36	NA	-36	Pass
NVNT	b	2412	Ant1	174 -230	226.00	-61.41	NA	-54	Pass
NVNT	b	2412	Ant1	230 -470	402.25	-60.76	NA	-36	Pass
NVNT	b	2412	Ant1	470 -694	517.90	-60.33	NA	-54	Pass
NVNT	b	2412	Ant1	694 -1000	862.55	-59.12	NA	-36	Pass
NVNT	b	2412	Ant1	1000 -2360	2237.50	-45.11	NA	-30	Pass
NVNT	b	2412	Ant1	2523.5 -12750	12515.00	-41.95	NA	-30	Pass
NVNT	b	2472	Ant1	30 -47	43.95	-63.30	NA	-36	Pass
NVNT	b	2472	Ant1	47 -74	70.15	-63.15	NA	-54	Pass
NVNT	b	2472	Ant1	74 -87.5	85.70	-62.60	NA	-36	Pass
NVNT	b	2472	Ant1	87.5 -118	108.25	-62.47	NA	-54	Pass
NVNT	b	2472	Ant1	118 -174	156.75	-61.94	NA	-36	Pass
NVNT	b	2472	Ant1	174 -230	221.10	-62.16	NA	-54	Pass
NVNT	b	2472	Ant1	230 -470	406.85	-60.99	NA	-36	Pass
NVNT	b	2472	Ant1	470 -694	515.35	-59.69	-70.74	-54	Pass
NVNT	b	2472	Ant1	694 -1000	889.20	-55.24	NA	-36	Pass
NVNT	b	2472	Ant1	1000 -2360	2220.50	-45.44	NA	-30	Pass
NVNT	b	2472	Ant1	2523.5 -12750	5224.00	-38.07	NA	-30	Pass
NVNT	g	2412	Ant1	30 -47	44.40	-63.10	NA	-36	Pass
NVNT	g	2412	Ant1	47 -74	72.60	-63.27	NA	-54	Pass
NVNT	g	2412	Ant1	74 -87.5	80.15	-63.01	NA	-36	Pass
NVNT	g	2412	Ant1	87.5 -118	94.15	-62.71	NA	-54	Pass
NVNT	g	2412	Ant1	118 -174	151.45	-62.66	NA	-36	Pass
NVNT	g	2412	Ant1	174 -230	184.30	-61.52	NA	-54	Pass
NVNT	g	2412	Ant1	230 -470	353.65	-60.38	NA	-36	Pass
NVNT	g	2412	Ant1	470 -694	622.10	-60.33	NA	-54	Pass
NVNT	g	2412	Ant1	694 -1000	946.90	-58.09	NA	-36	Pass
NVNT	g	2412	Ant1	1000 -2360	2086.00	-45.50	NA	-30	Pass
NVNT	g	2412	Ant1	2523.5 -12750	12647.50	-40.67	NA	-30	Pass
NVNT	g	2472	Ant1	30 -47	38.65	-64.50	NA	-36	Pass
NVNT	g	2472	Ant1	47 -74	67.20	-64.07	NA	-54	Pass
NVNT	g	2472	Ant1	74 -87.5	85.90	-62.78	NA	-36	Pass
NVNT	g	2472	Ant1	87.5 -118	103.00	-62.87	NA	-54	Pass
NVNT	g	2472	Ant1	118 -174	121.30	-61.81	NA	-36	Pass





NVNT	g	2472	Ant1	174 -230	217.00	-62.00	NA	-54	Pass
NVNT	g	2472	Ant1	230 -470	446.40	-60.44	NA	-36	Pass
NVNT	g	2472	Ant1	470 -694	503.95	-60.09	NA	-54	Pass
NVNT	g	2472	Ant1	694 -1000	821.60	-58.94	NA	-36	Pass
NVNT	g	2472	Ant1	1000 -2360	2310.50	-45.17	NA	-30	Pass
NVNT	g	2472	Ant1	2523.5 -12750	12740.00	-40.88	NA	-30	Pass
NVNT	n20	2412	Ant1	30 -47	36.40	-63.73	NA	-36	Pass
NVNT	n20	2412	Ant1	47 -74	65.85	-63.55	NA	-54	Pass
NVNT	n20	2412	Ant1	74 -87.5	83.40	-62.83	NA	-36	Pass
NVNT	n20	2412	Ant1	87.5 -118	114.50	-61.94	NA	-54	Pass
NVNT	n20	2412	Ant1	118 -174	131.35	-62.59	NA	-36	Pass
NVNT	n20	2412	Ant1	174 -230	200.30	-61.89	NA	-54	Pass
NVNT	n20	2412	Ant1	230 -470	446.35	-60.12	NA	-36	Pass
NVNT	n20	2412	Ant1	470 -694	535.25	-59.95	-70.95	-54	Pass
NVNT	n20	2412	Ant1	694 -1000	901.55	-58.95	NA	-36	Pass
NVNT	n20	2412	Ant1	1000 -2360	2351.50	-45.05	NA	-30	Pass
NVNT	n20	2412	Ant1	2523.5 -12750	12689.50	-40.86	NA	-30	Pass
NVNT	n20	2472	Ant1	30 -47	36.85	-62.84	NA	-36	Pass
NVNT	n20	2472	Ant1	47 -74	66.10	-63.06	NA	-54	Pass
NVNT	n20	2472	Ant1	74 -87.5	84.70	-63.12	NA	-36	Pass
NVNT	n20	2472	Ant1	87.5 -118	94.25	-62.63	NA	-54	Pass
NVNT	n20	2472	Ant1	118 -174	159.75	-62.10	NA	-36	Pass
NVNT	n20	2472	Ant1	174 -230	181.40	-61.97	NA	-54	Pass
NVNT	n20	2472	Ant1	230 -470	406.60	-60.53	NA	-36	Pass
NVNT	n20	2472	Ant1	470 -694	653.45	-60.50	NA	-54	Pass
NVNT	n20	2472	Ant1	694 -1000	822.95	-59.09	NA	-36	Pass
NVNT	n20	2472	Ant1	1000 -2360	1783.50	-45.69	NA	-30	Pass
NVNT	n20	2472	Ant1	2523.5 -12750	12746.50	-41.28	NA	-30	Pass

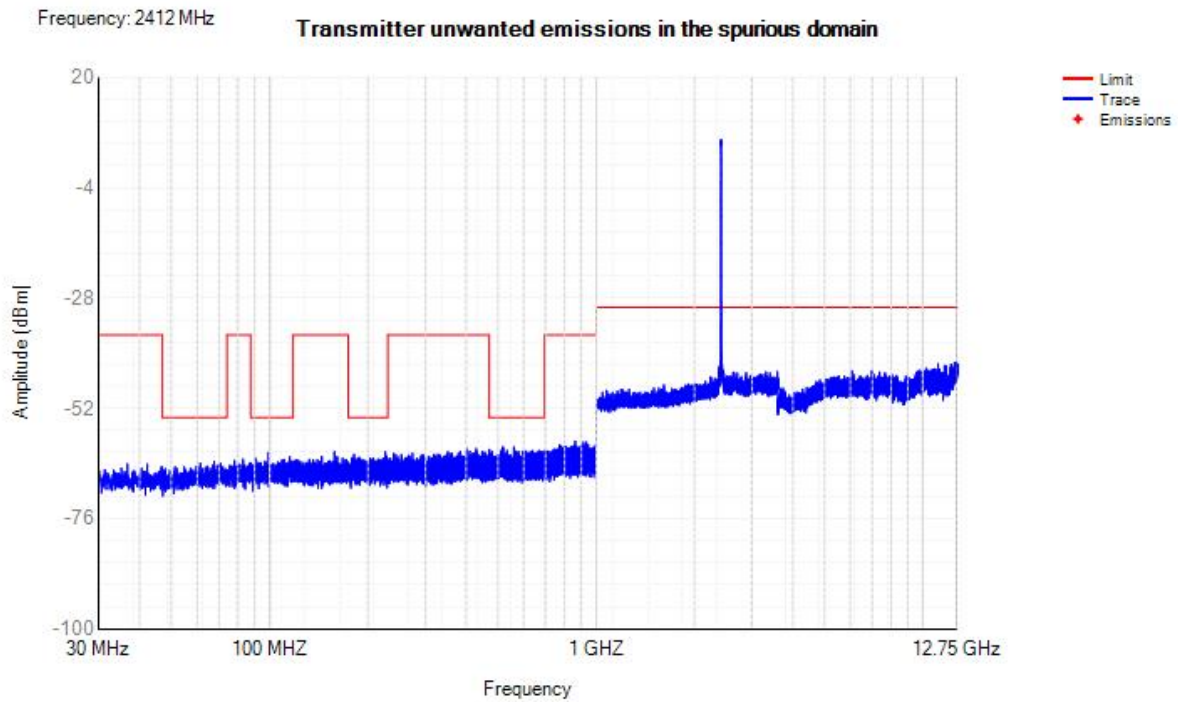


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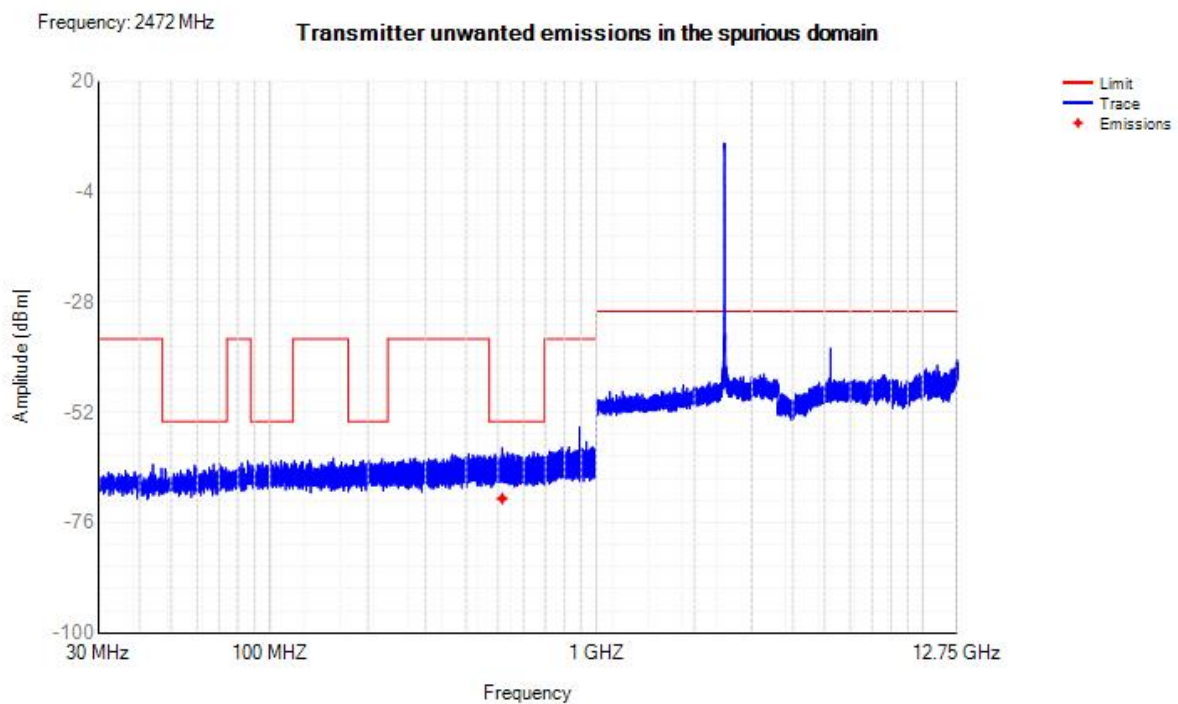


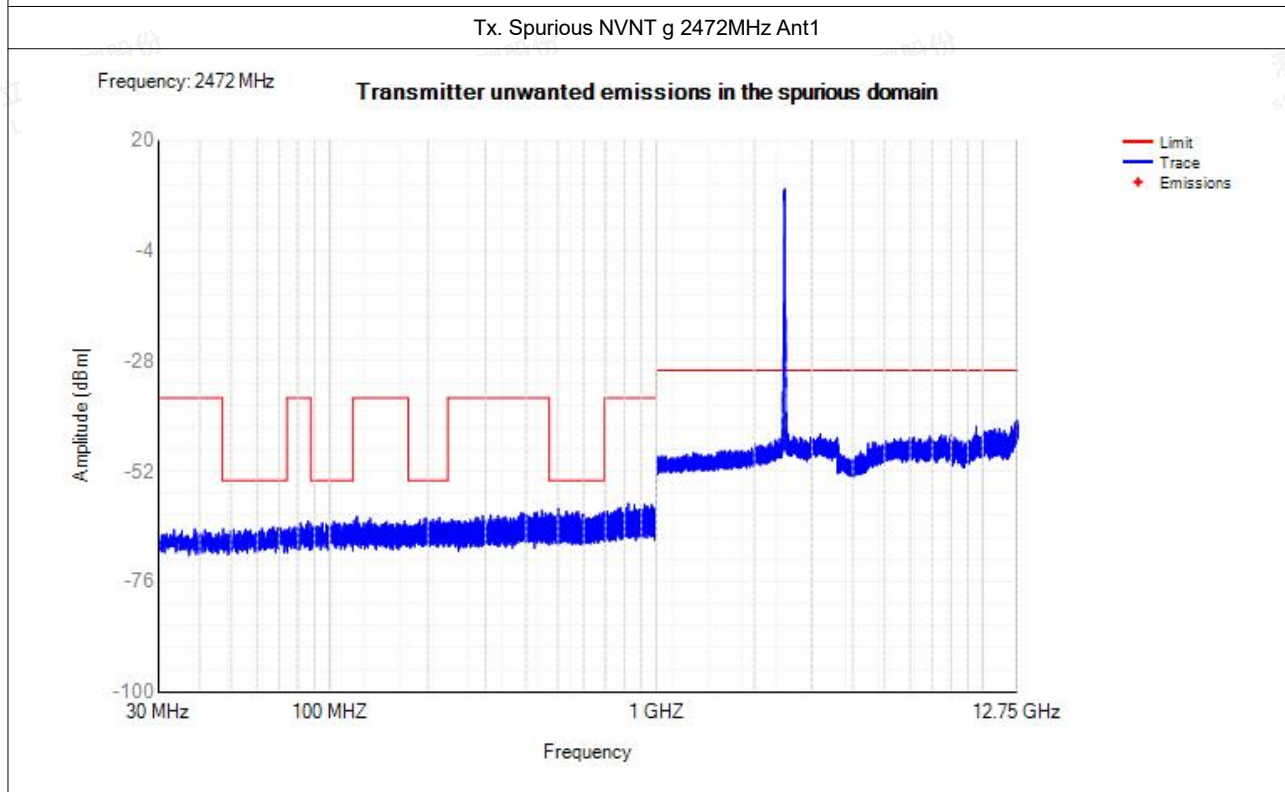
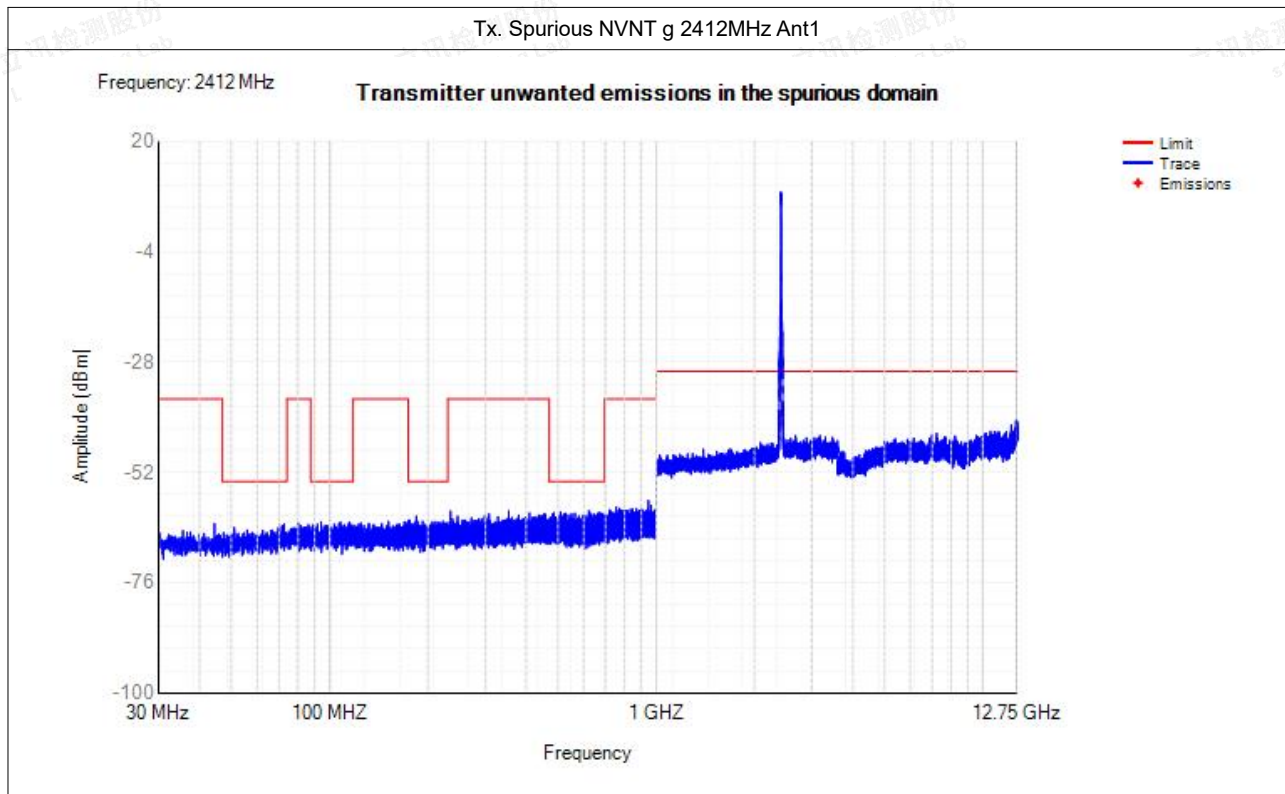
## Test Graphs

Tx. Spurious NVNT b 2412MHz Ant1



Tx. Spurious NVNT b 2472MHz Ant1

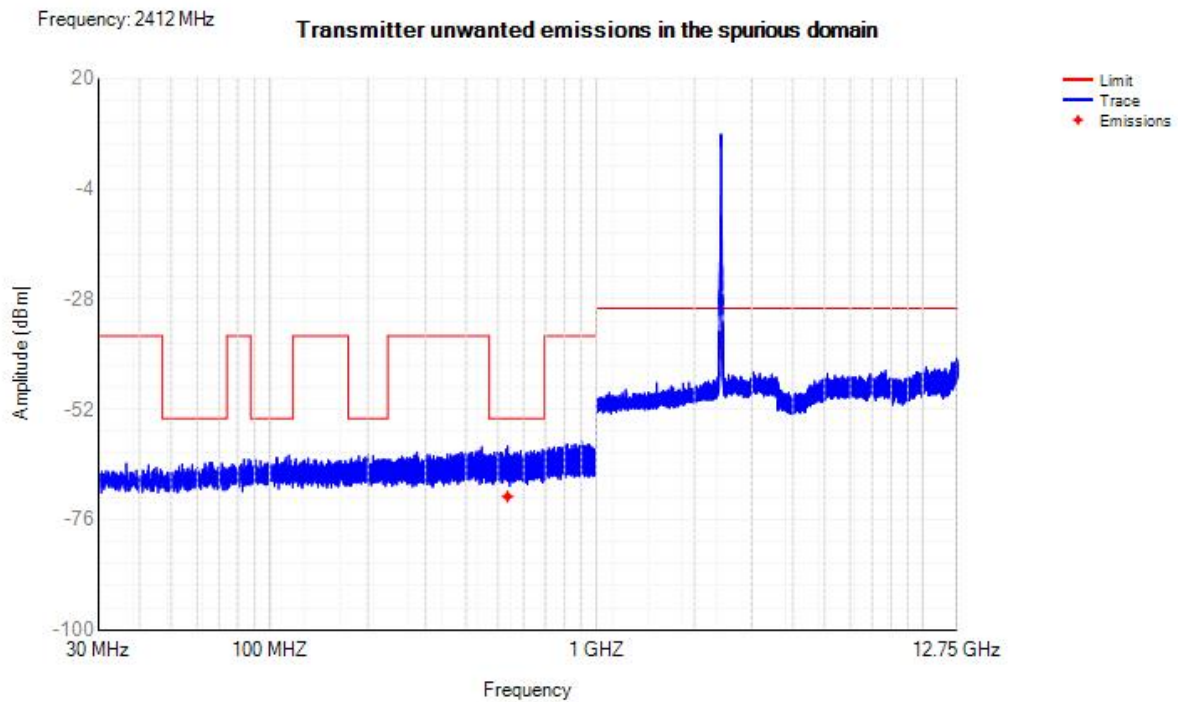




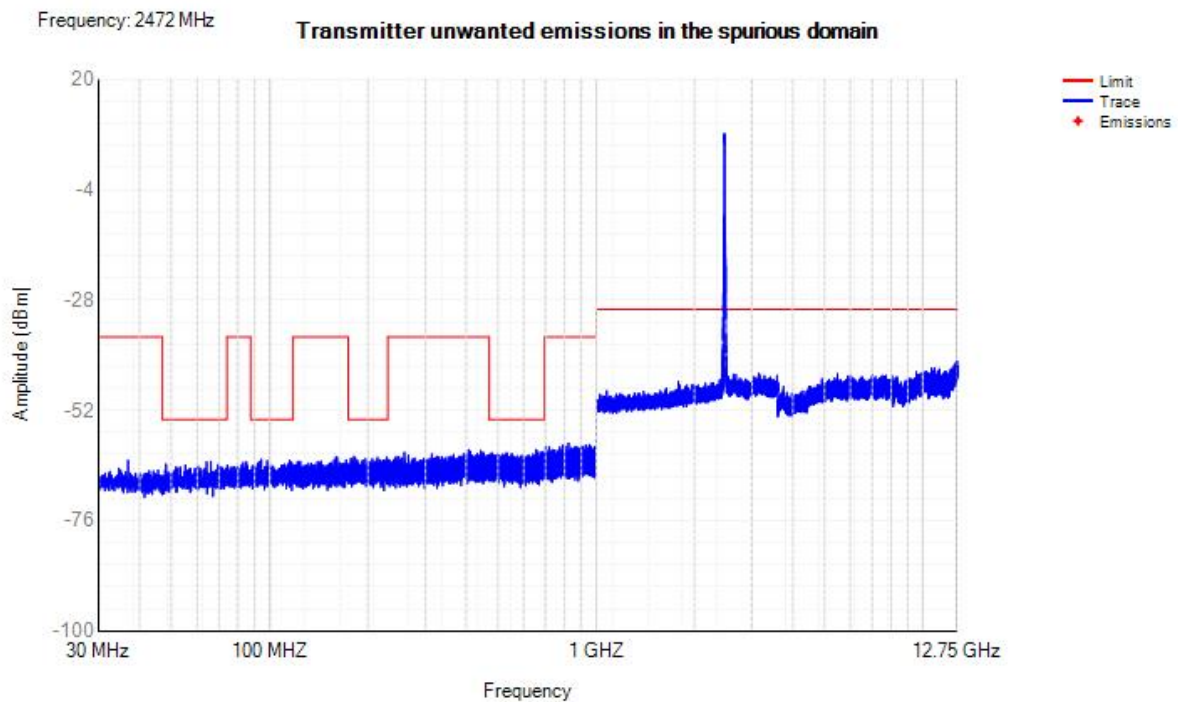




Tx. Spurious NVNT n20 2412MHz Ant1



Tx. Spurious NVNT n20 2472MHz Ant1





## G.7 Receiver spurious emissions

Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Spur Freq (MHz)	Peak (dBm)	RMS (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	30 -1000	804.6	-80.03	NA	-57	Pass
NVNT	b	2412	Ant1	1000 -12750	12725	-61.74	NA	-47	Pass
NVNT	b	2472	Ant1	30 -1000	949.1	-79.39	NA	-57	Pass
NVNT	b	2472	Ant1	1000 -12750	12737.5	-62.63	NA	-47	Pass
NVNT	g	2412	Ant1	30 -1000	898.5	-72.29	NA	-57	Pass
NVNT	g	2412	Ant1	1000 -12750	12725.5	-62.15	NA	-47	Pass
NVNT	g	2472	Ant1	30 -1000	809	-78.95	NA	-57	Pass
NVNT	g	2472	Ant1	1000 -12750	12558	-61.77	NA	-47	Pass
NVNT	n20	2412	Ant1	30 -1000	828.8	-78.66	NA	-57	Pass
NVNT	n20	2412	Ant1	1000 -12750	12748	-62.28	NA	-47	Pass
NVNT	n20	2472	Ant1	30 -1000	889.6	-71.51	NA	-57	Pass
NVNT	n20	2472	Ant1	1000 -12750	12734	-62.63	NA	-47	Pass



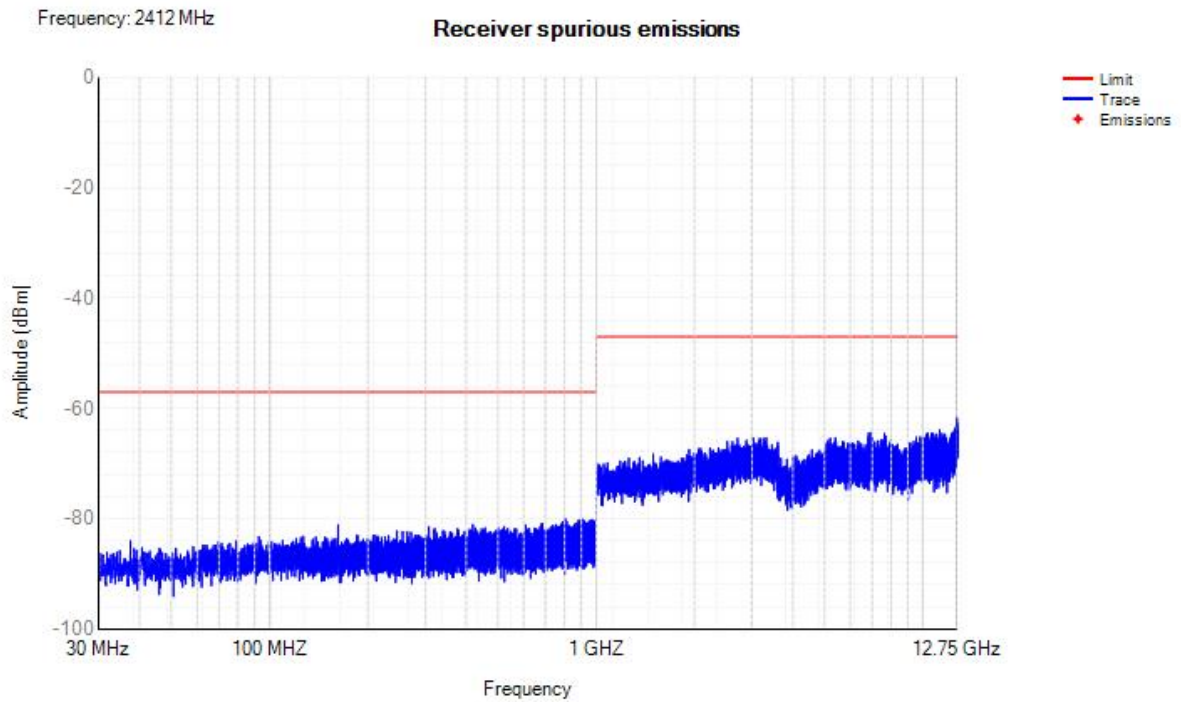
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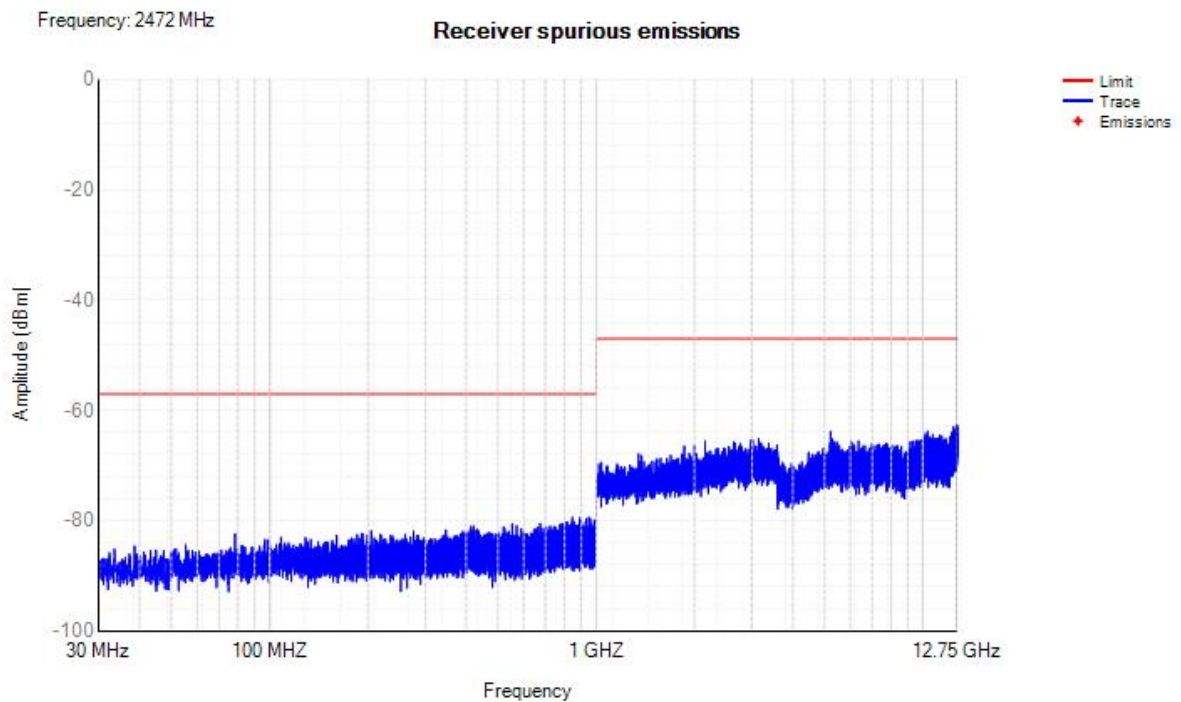


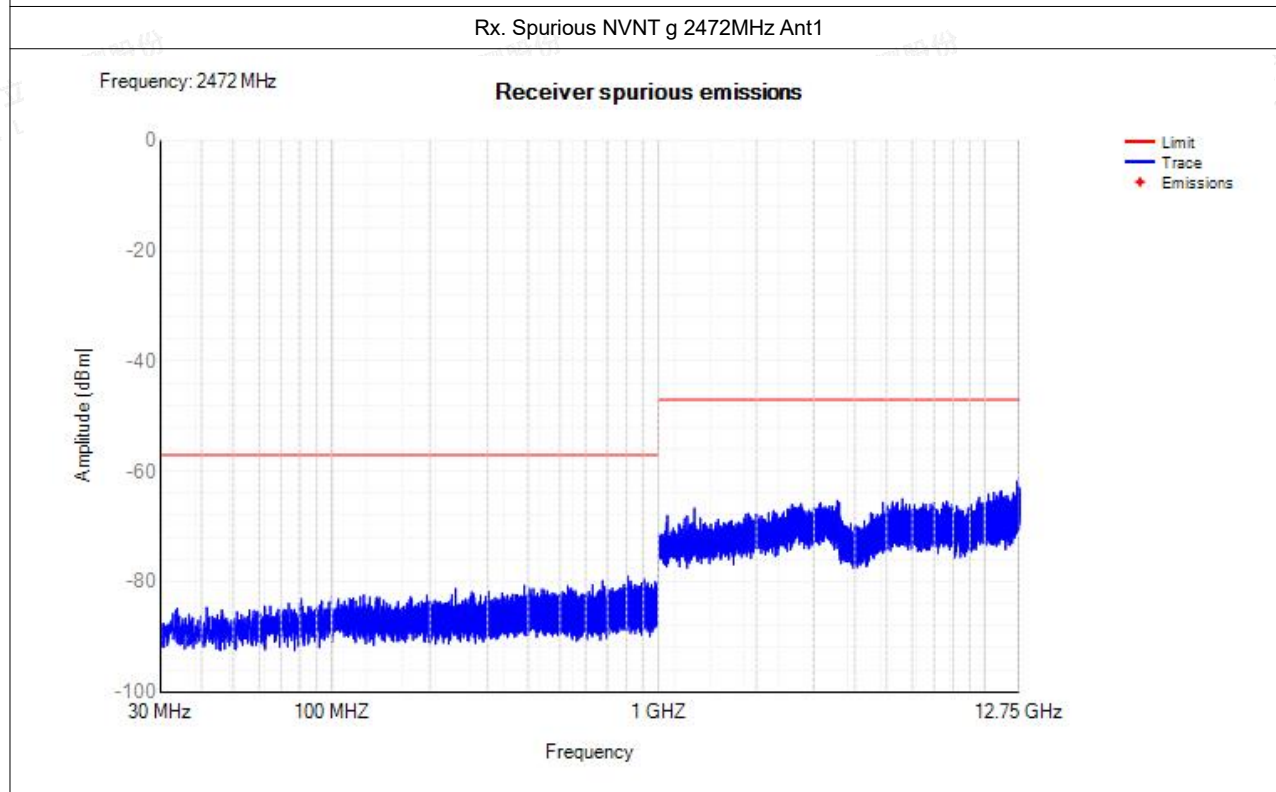
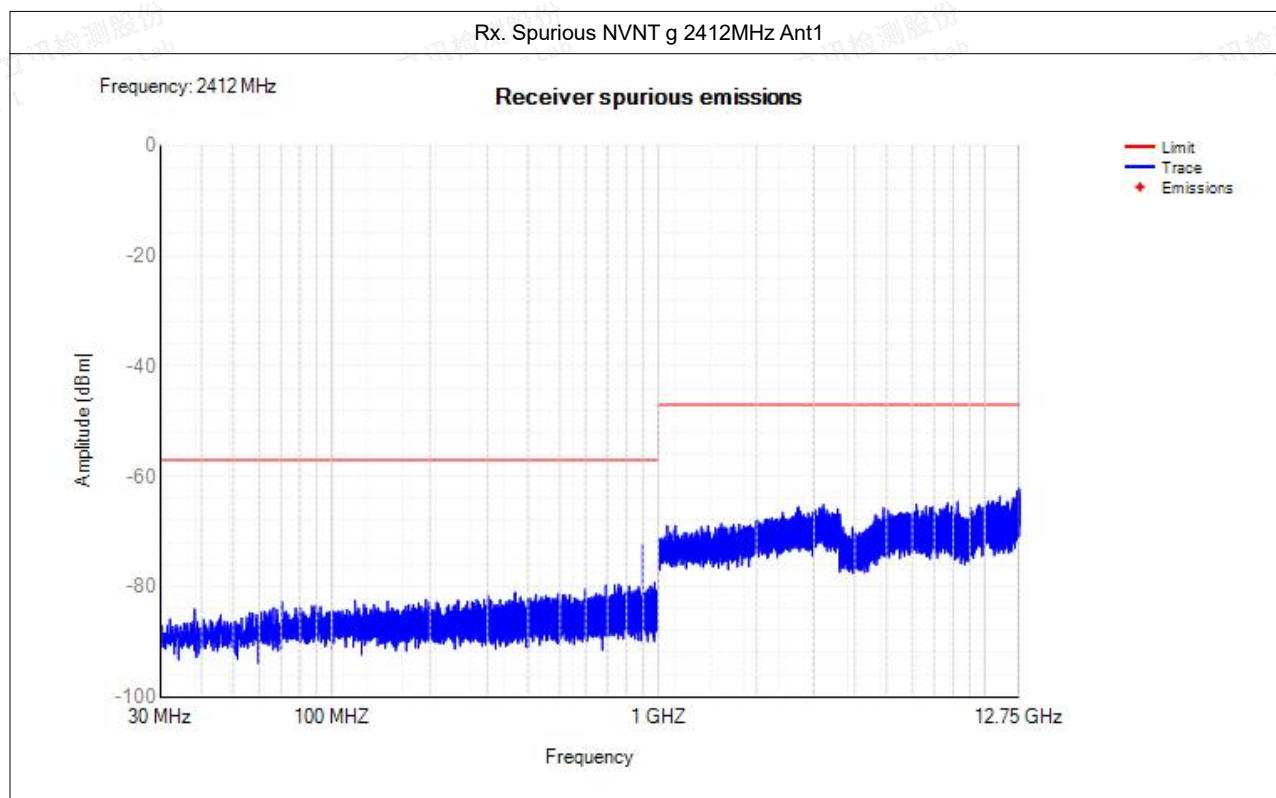
## Test Graphs

Rx. Spurious NVNT b 2412MHz Ant1



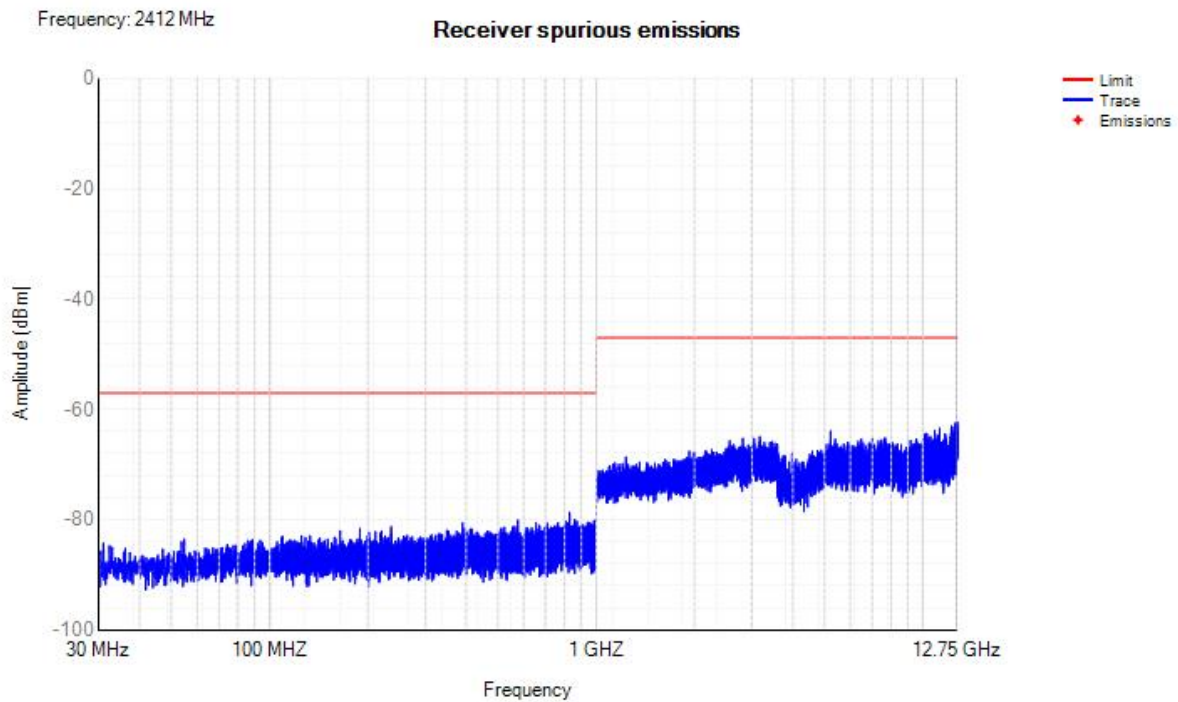
Rx. Spurious NVNT b 2472MHz Ant1



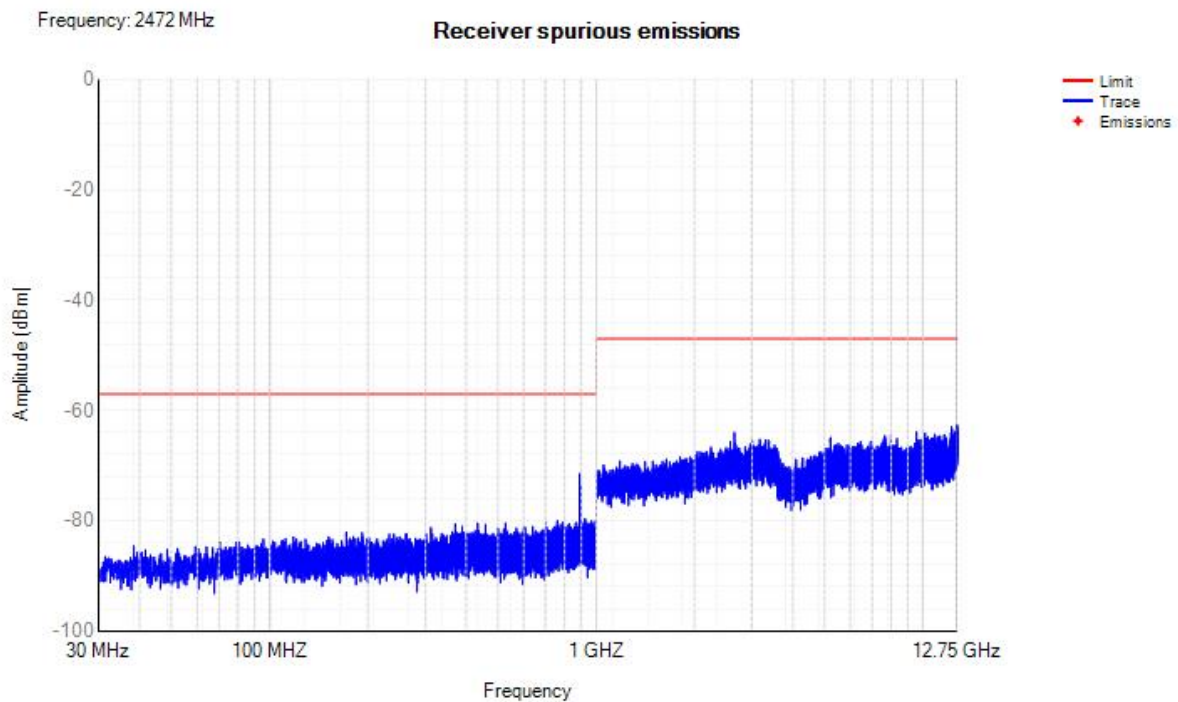




Rx. Spurious NVNT n20 2412MHz Ant1



Rx. Spurious NVNT n20 2472MHz Ant1





## G.8 Receiver Blocking

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	-26	≥-34	CW	3.85	10	Pass
			2504	-22	≥-34	CW	3.28	10	Pass
		-74	2300	-26	≥-34	CW	1.81	10	Pass
			2330	-25	≥-34	CW	1.10	10	Pass
			2360	-29	≥-34	CW	3.07	10	Pass
			2524	-26	≥-34	CW	3.78	10	Pass
			2584	-28	≥-34	CW	1.87	10	Pass
			2674	-21	≥-34	CW	1.62	10	Pass
	2472	-68	2380	-21	≥-34	CW	4.37	10	Pass
			2504	-21	≥-34	CW	2.45	10	Pass
		-74	2300	-28	≥-34	CW	2.62	10	Pass
			2330	-28	≥-34	CW	3.93	10	Pass
			2360	-22	≥-34	CW	4.16	10	Pass
			2524	-28	≥-34	CW	3.40	10	Pass
			2584	-24	≥-34	CW	2.68	10	Pass
			2674	-20	≥-34	CW	0.92	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	-27	≥-34	CW	3.79	10	Pass
			2504	-23	≥-34	CW	3.45	10	Pass
		-74	2300	-26	≥-34	CW	2.63	10	Pass
			2330	-24	≥-34	CW	1.23	10	Pass
			2360	-31	≥-34	CW	1.93	10	Pass
			2524	-25	≥-34	CW	2.93	10	Pass
			2584	-29	≥-34	CW	1.83	10	Pass
			2674	-20	≥-34	CW	1.86	10	Pass
	2472	-68	2380	-22	≥-34	CW	5.15	10	Pass
			2504	-21	≥-34	CW	3.20	10	Pass
		-74	2300	-28	≥-34	CW	1.38	10	Pass
			2330	-27	≥-34	CW	2.74	10	Pass
			2360	-24	≥-34	CW	3.53	10	Pass
			2524	-29	≥-34	CW	3.13	10	Pass
			2584	-24	≥-34	CW	3.01	10	Pass
			2674	-20	≥-34	CW	3.03	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	-26	≥-34	CW	1.99	10	Pass
			2504	-22	≥-34	CW	3.48	10	Pass
		-74	2300	-26	≥-34	CW	1.49	10	Pass
			2330	-25	≥-34	CW	1.97	10	Pass
			2360	-29	≥-34	CW	2.26	10	Pass
			2524	-25	≥-34	CW	2.95	10	Pass
			2584	-28	≥-34	CW	2.26	10	Pass
			2674	-21	≥-34	CW	1.81	10	Pass
	2472	-68	2380	-21	≥-34	CW	4.87	10	Pass
			2504	-21	≥-34	CW	1.93	10	Pass
		-74	2300	-29	≥-34	CW	2.59	10	Pass
			2330	-27	≥-34	CW	2.38	10	Pass
			2360	-22	≥-34	CW	5.11	10	Pass
			2524	-28	≥-34	CW	2.15	10	Pass
			2584	-23	≥-34	CW	0.70	10	Pass
			2674	-19	≥-34	CW	1.98	10	Pass



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