Appendix E for 2.4GWIFI RF Test Data

Product Name: Cellular WiFi Router

Test Model: LT500

Environmental Conditions

Temperature:	23.1° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	 Ling Zhu
Supervised by:	 Li Huan

E.1 RF Output Power

Condition	Mode	Frequency (MHz)	Max EIRP (dBm)			Limit (dBm)	Verdict
			ANT0	ANT1	ANT0+ANT1		
NVNT	b	2412	17.12	17.98	/	20	Pass
NVNT	b	2442	17.28	18.27	/	20	Pass
NVNT	b	2472	16.49	17.51	/	20	Pass
NVNT	g	2412	17.15	17.3	/	20	Pass
NVNT	g	2442	17.49	17.58	/	20	Pass
NVNT	g	2472	16.59	16.72	/	20	Pass
NVNT	n20	2412	17.68	14.09	19.26	20	Pass
NVNT	n20	2442	17.94	14.51	19.57	20	Pass
NVNT	n20	2472	17.07	13.6	18.68	20	Pass
NVNT	n40	2422	16.88	17.02	19.96	20	Pass
NVNT	n40	2442	16.92	17.01	19.98	20	Pass
NVNT	n40	2462	16.66	16.82	19.75	20	Pass

Condition	Mode	Frequency (MHz)	Max EIRP (dBm)			Limit (dBm)	Verdict
			ANT0	ANT1	ANT0+ANT1		
NVLT	b	2412	17.04	17.95	/	20	Pass
NVLT	b	2442	17.24	18.27	/	20	Pass
NVLT	b	2472	16.44	17.46	/	20	Pass
NVLT	g	2412	17.09	17.20	/	20	Pass
NVLT	g	2442	17.49	17.53	/	20	Pass
NVLT	g	2472	16.54	16.66	/	20	Pass
NVLT	n20	2412	17.63	14.07	19.22	20	Pass
NVLT	n20	2442	17.92	14.45	19.53	20	Pass
NVLT	n20	2472	17.02	13.56	18.64	20	Pass
NVLT	n40	2422	16.86	17.01	19.95	20	Pass
NVLT	n40	2442	16.86	16.96	19.92	20	Pass
NVLT	n40	2462	16.59	16.81	19.71	20	Pass

Condition	Mode	Frequency (MHz)	Max EIRP (dBm)			Limit (dBm)	Verdict
			ANT0	ANT1	ANT0+ANT1		
NVHT	b	2412	17.00	17.87	/	20	Pass
NVHT	b	2442	17.15	18.24	/	20	Pass
NVHT	b	2472	16.38	17.41	/	20	Pass
NVHT	g	2412	16.99	17.12	/	20	Pass
NVHT	g	2442	17.40	17.52	/	20	Pass
NVHT	g	2472	16.46	16.65	/	20	Pass
NVHT	n20	2412	17.57	13.98	19.15	20	Pass
NVHT	n20	2442	17.82	14.38	19.44	20	Pass
NVHT	n20	2472	16.94	13.53	18.57	20	Pass
NVHT	n40	2422	16.85	16.91	19.89	20	Pass
NVHT	n40	2442	16.84	16.90	19.88	20	Pass
NVHT	n40	2462	16.52	16.73	19.64	20	Pass

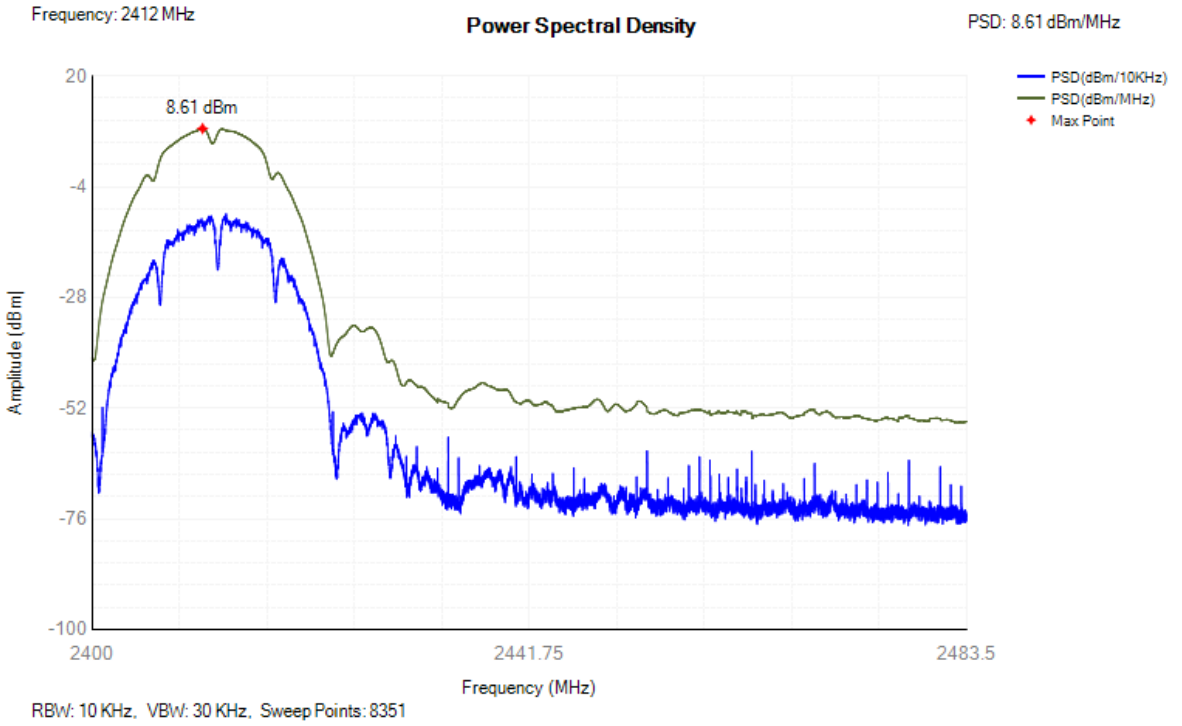
***Note: 20 bursts had been captured for power measurement.

E.2 Power Spectral Density

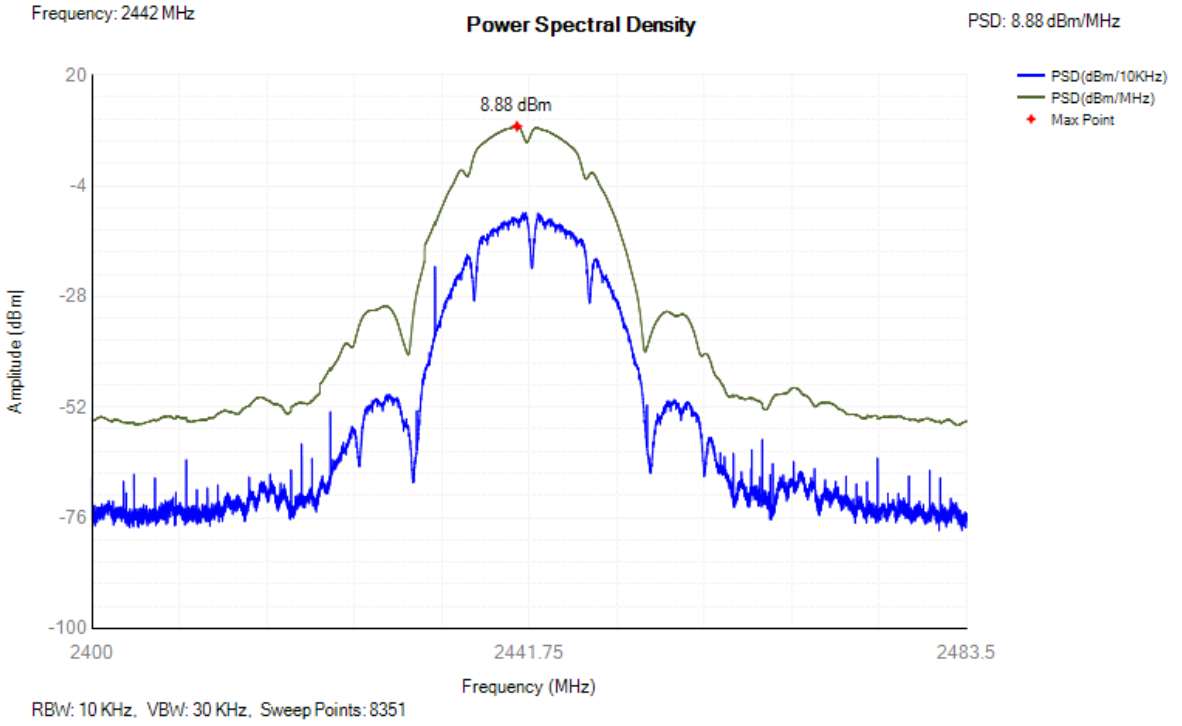
Condition	Mode	Frequency (MHz)	Max PSD (dBm/MHz)			Limit (dBm/MHz)	Verdict
			ANT0	ANT1	ANT0+ANT1		
NVNT	b	2412	8.61	9.41	/	10	Pass
NVNT	b	2442	8.88	7.77	/	10	Pass
NVNT	b	2472	8.13	9.8	/	10	Pass
NVNT	g	2412	6.67	6.73	/	10	Pass
NVNT	g	2442	7	7.04	/	10	Pass
NVNT	g	2472	6.2	6.26	/	10	Pass
NVNT	n20	2412	7.13	3.85	8.80	10	Pass
NVNT	n20	2442	7.61	4.62	9.38	10	Pass
NVNT	n20	2472	6.84	3.7	8.56	10	Pass
NVNT	n40	2422	3.26	3.65	6.47	10	Pass
NVNT	n40	2442	3.94	4.19	7.08	10	Pass
NVNT	n40	2462	3.21	3.65	6.45	10	Pass

Test Graphs

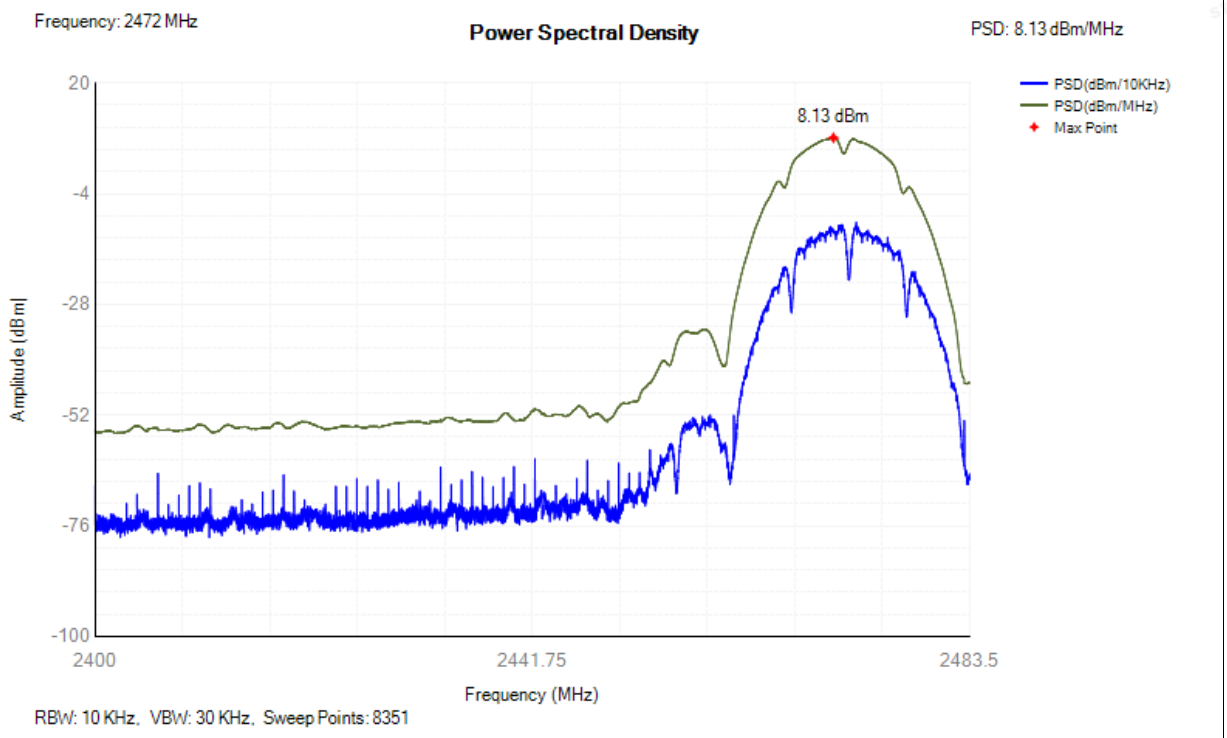
PSD NVNT b 2412MHz Ant0



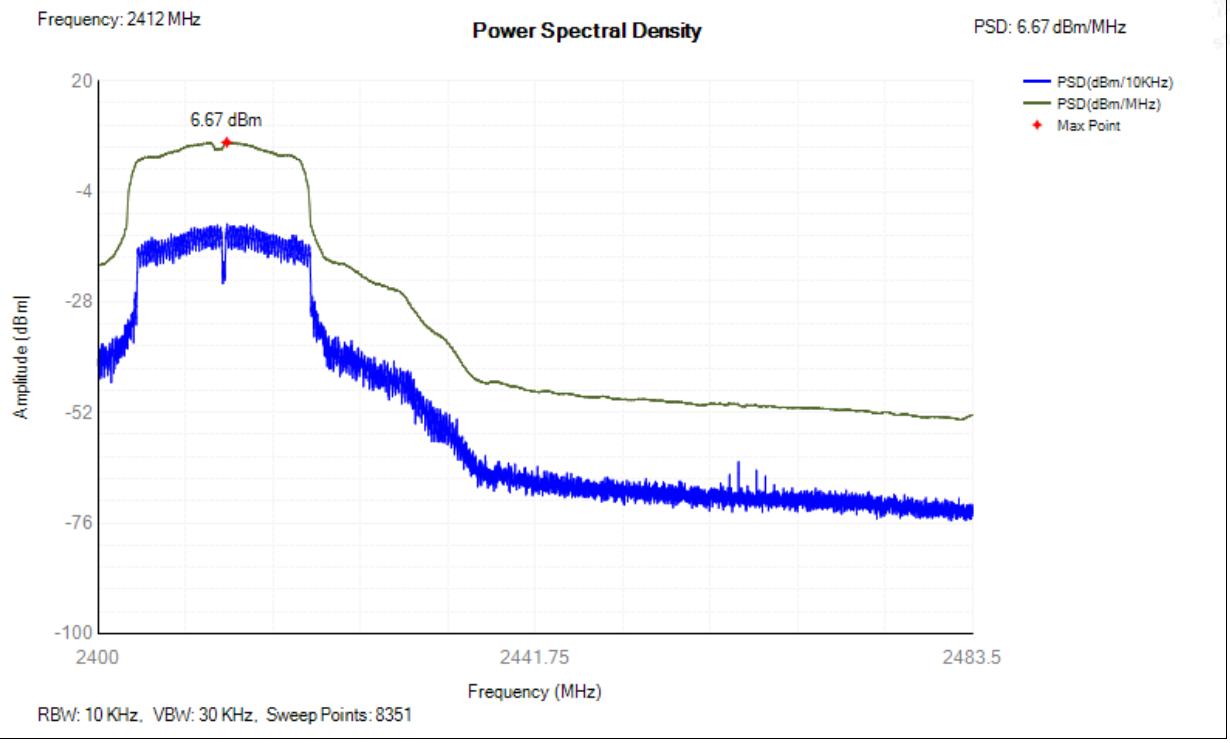
PSD NVNT b 2442MHz Ant0



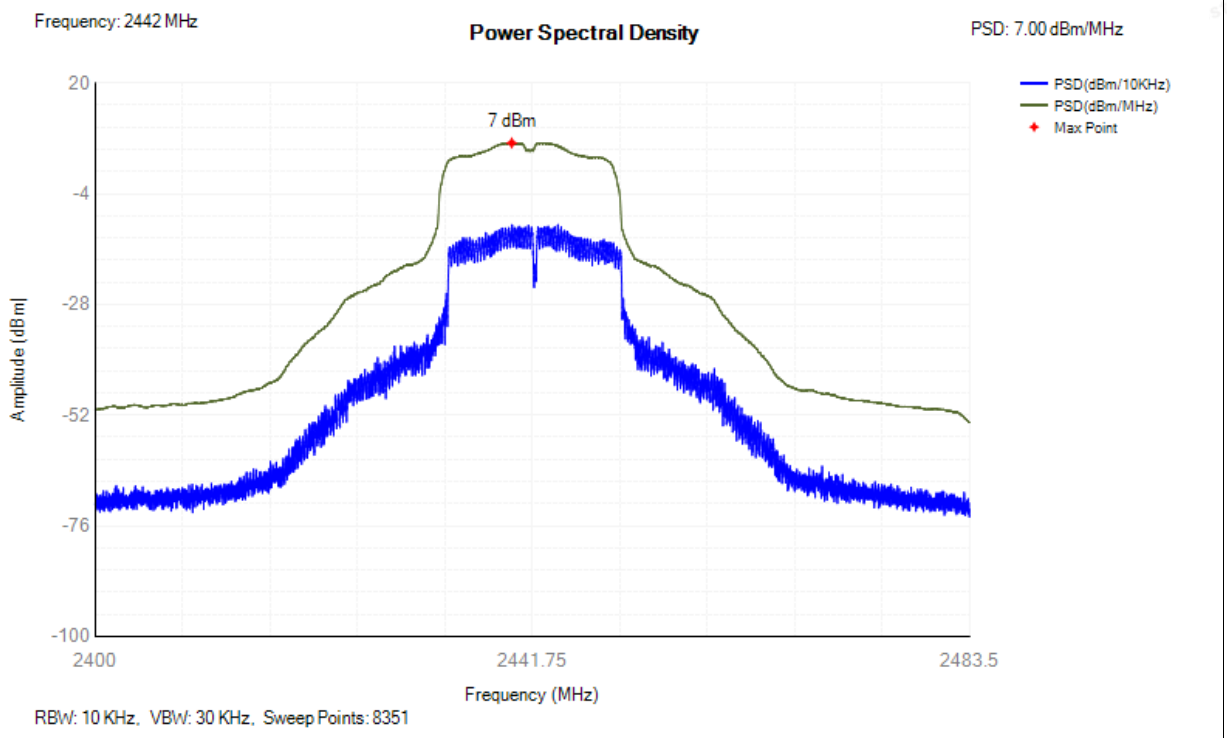
PSD NVNT b 2472MHz Ant0



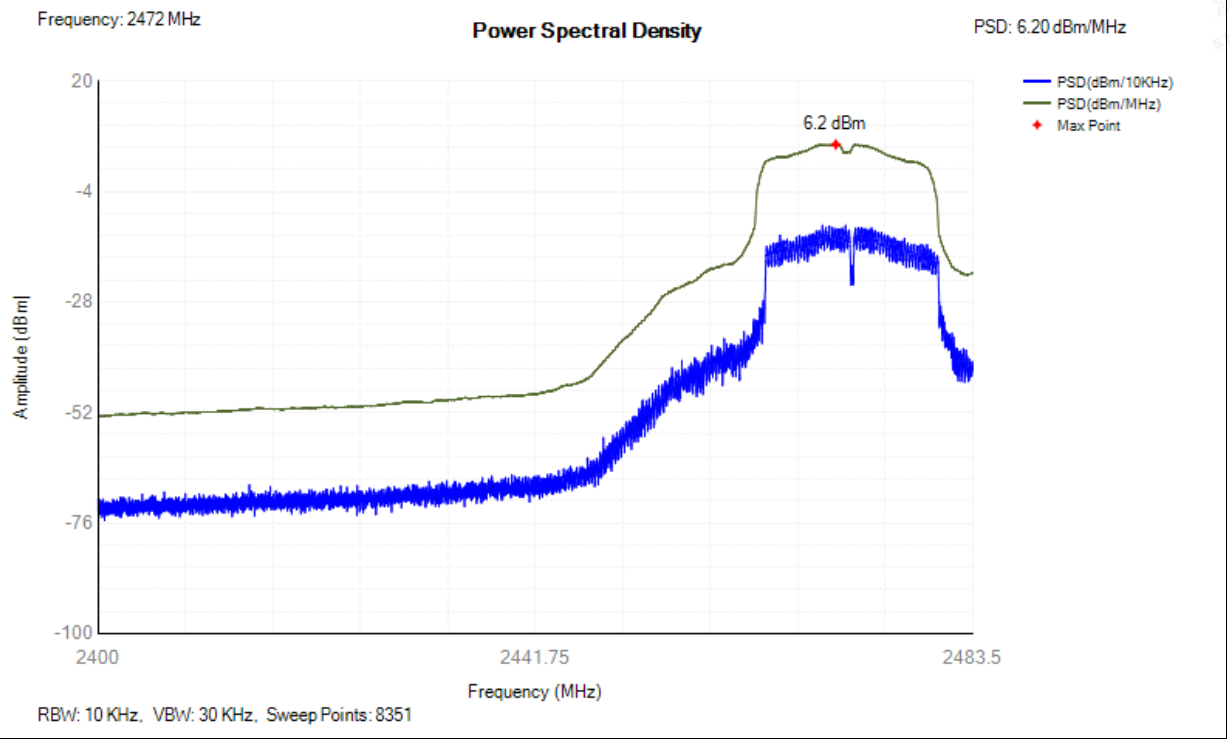
PSD NVNT g 2412MHz Ant0



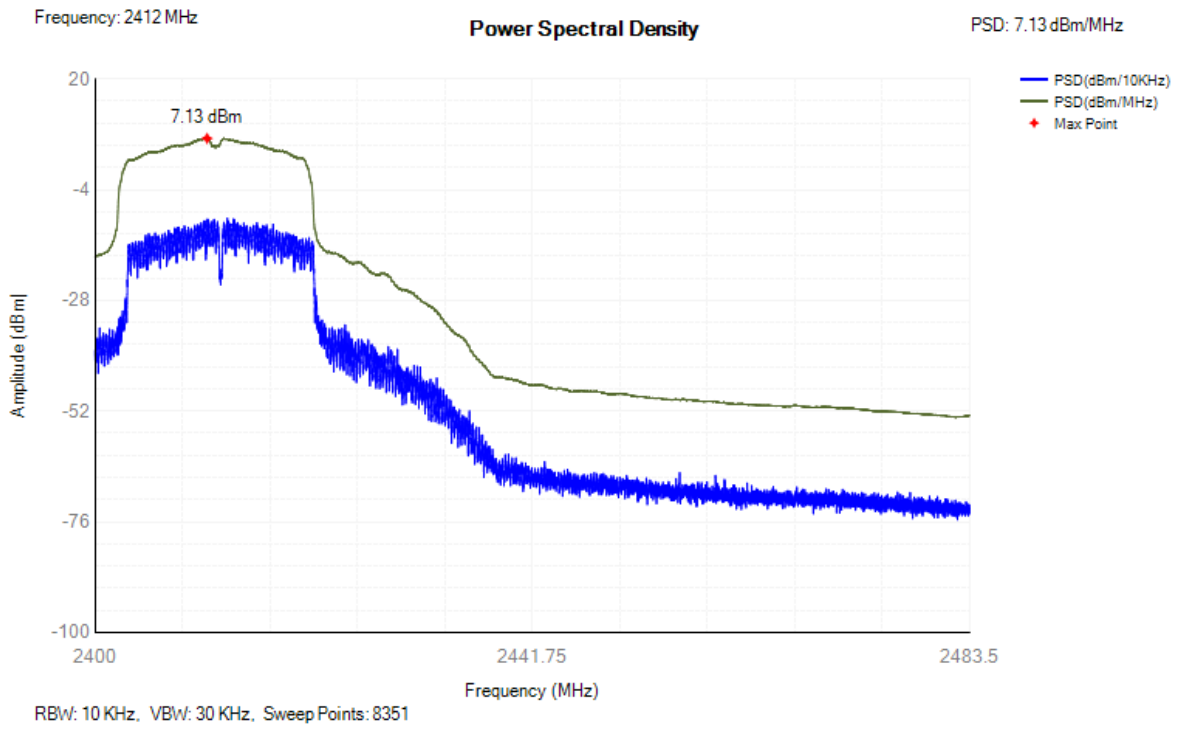
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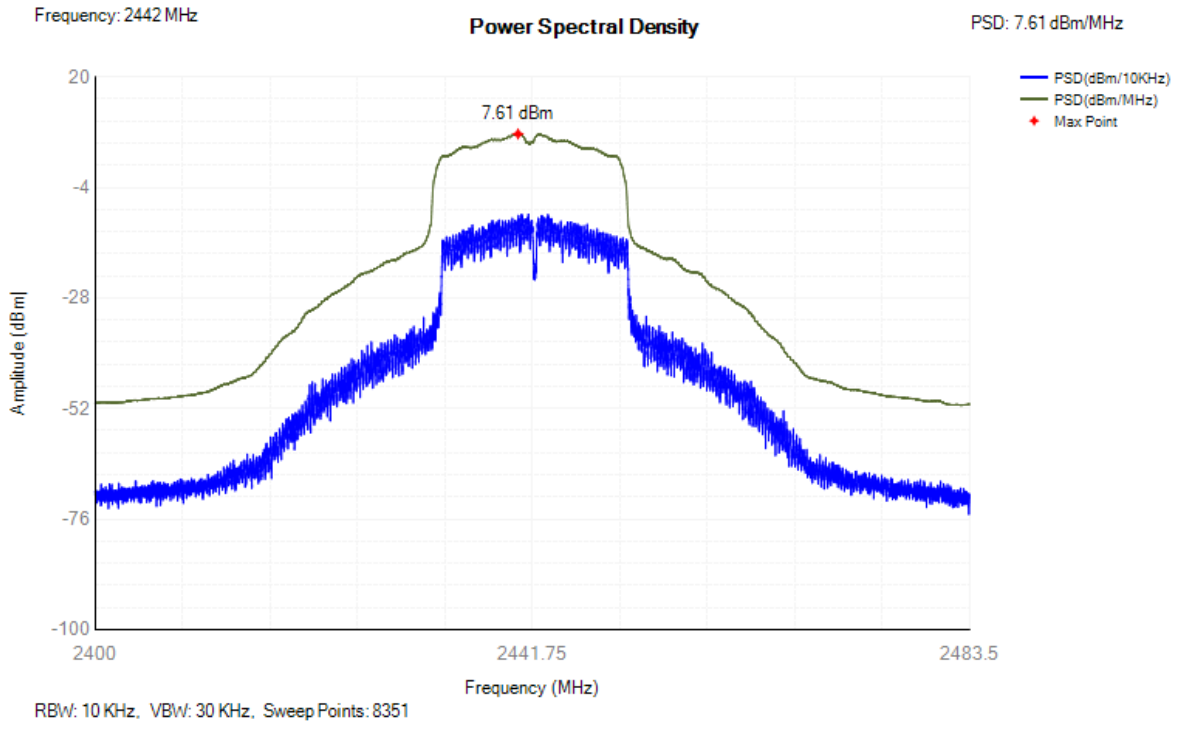
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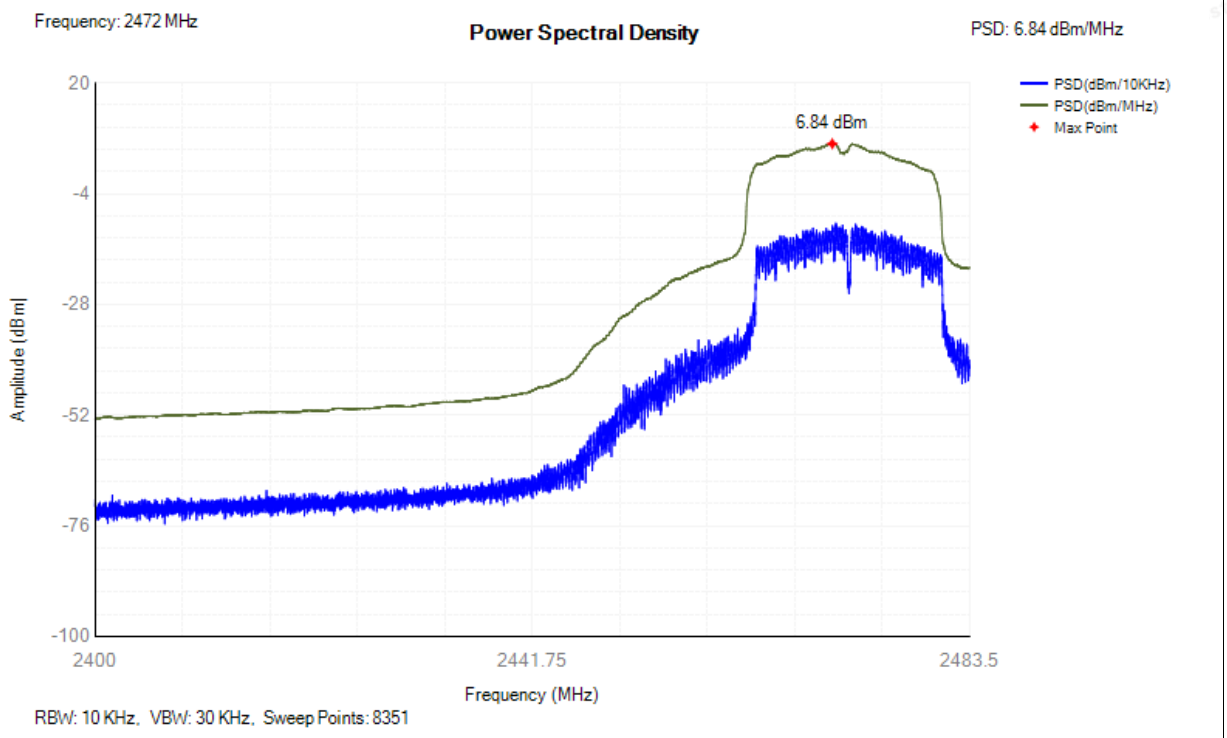
PSD NVNT n20 2412MHz Ant0



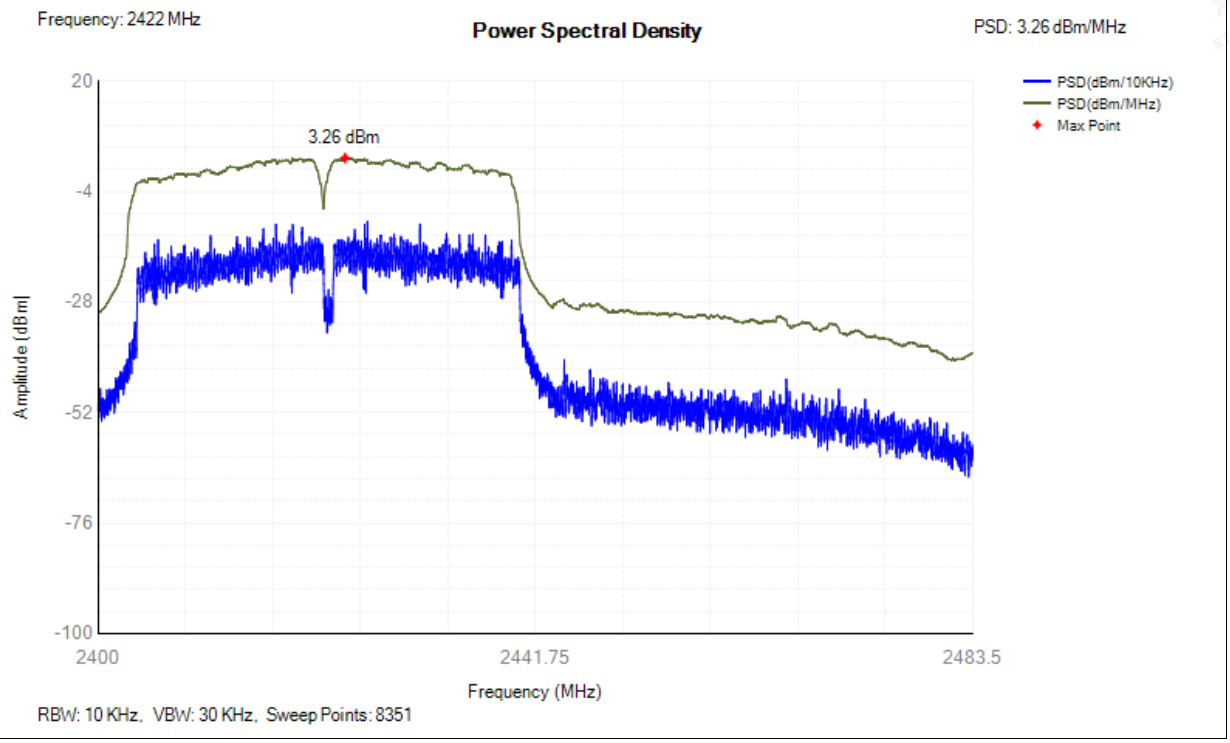
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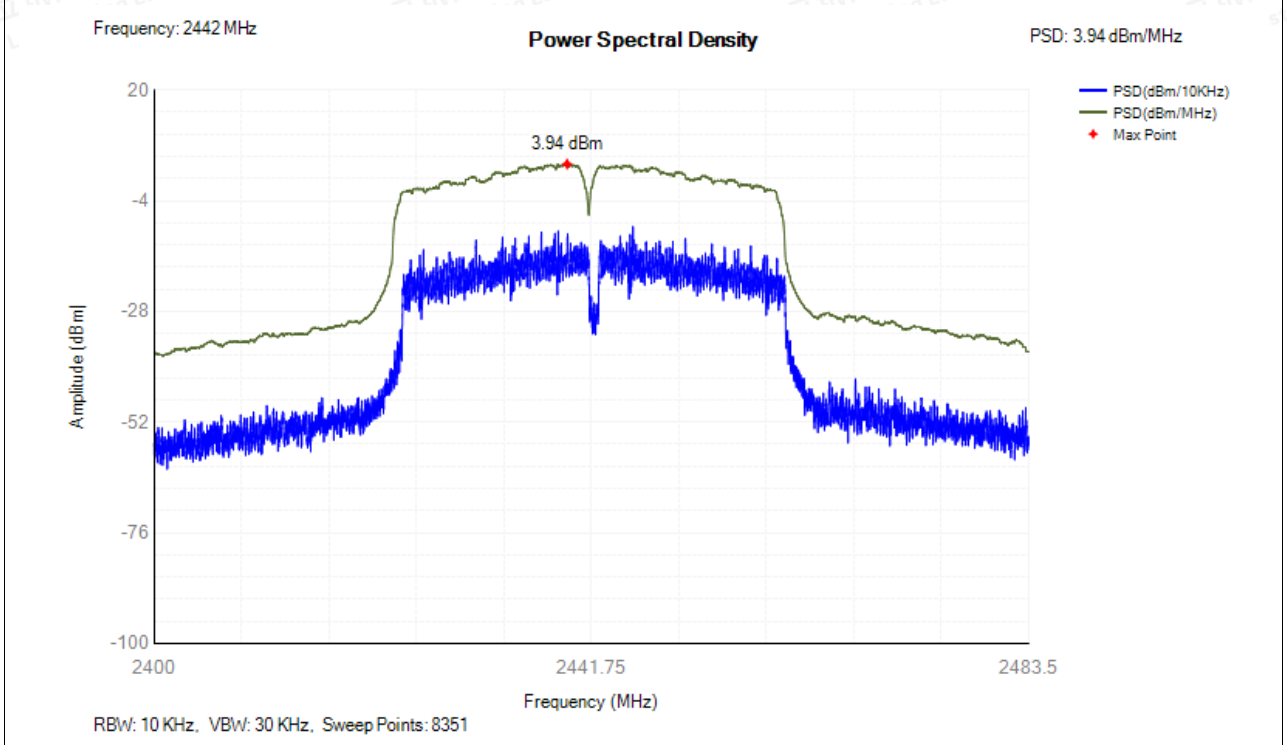
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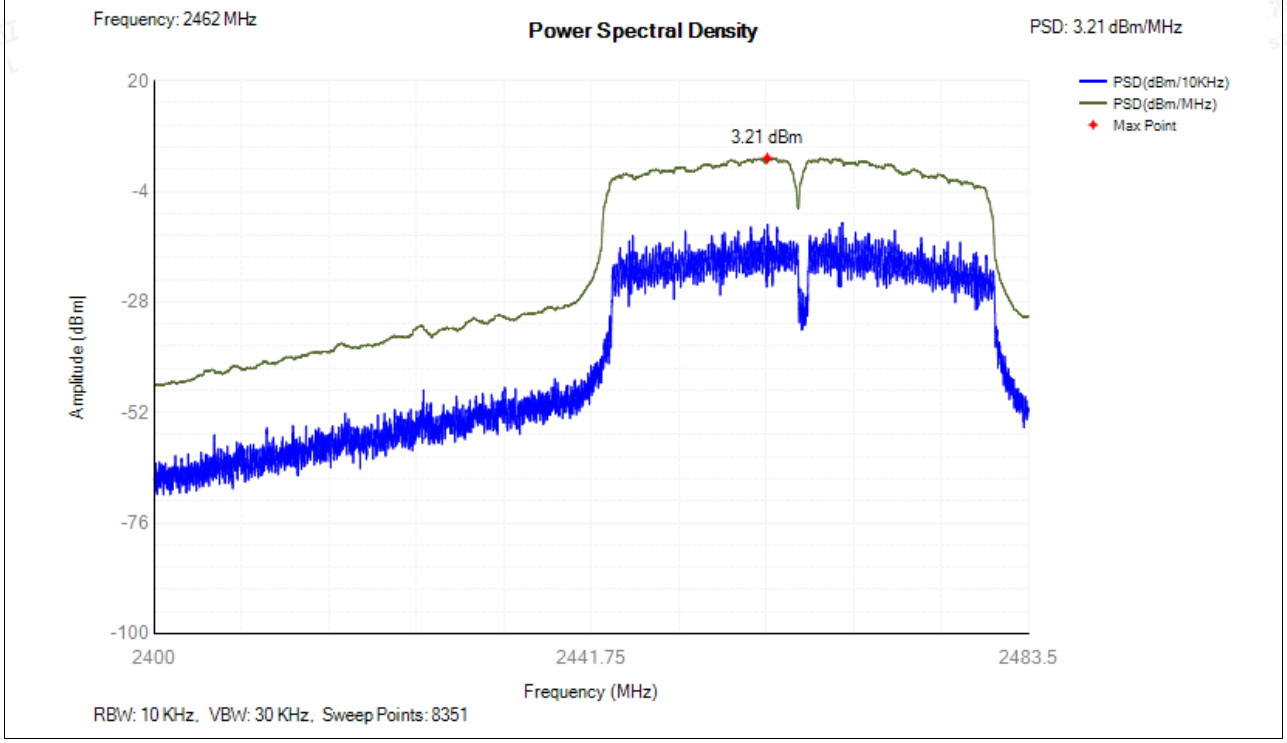
PSD NVNT n40 2422MHz Ant0



PSD NVNT n40 2442MHz Ant0

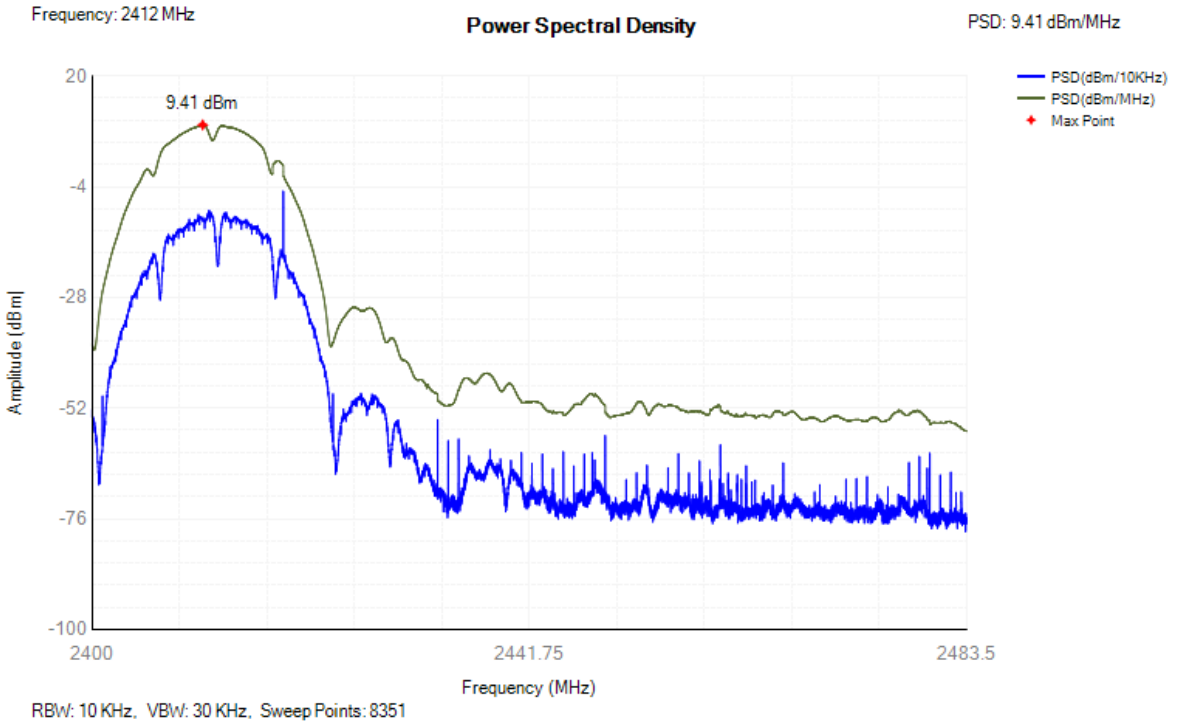


PSD NVNT n40 2462MHz Ant0

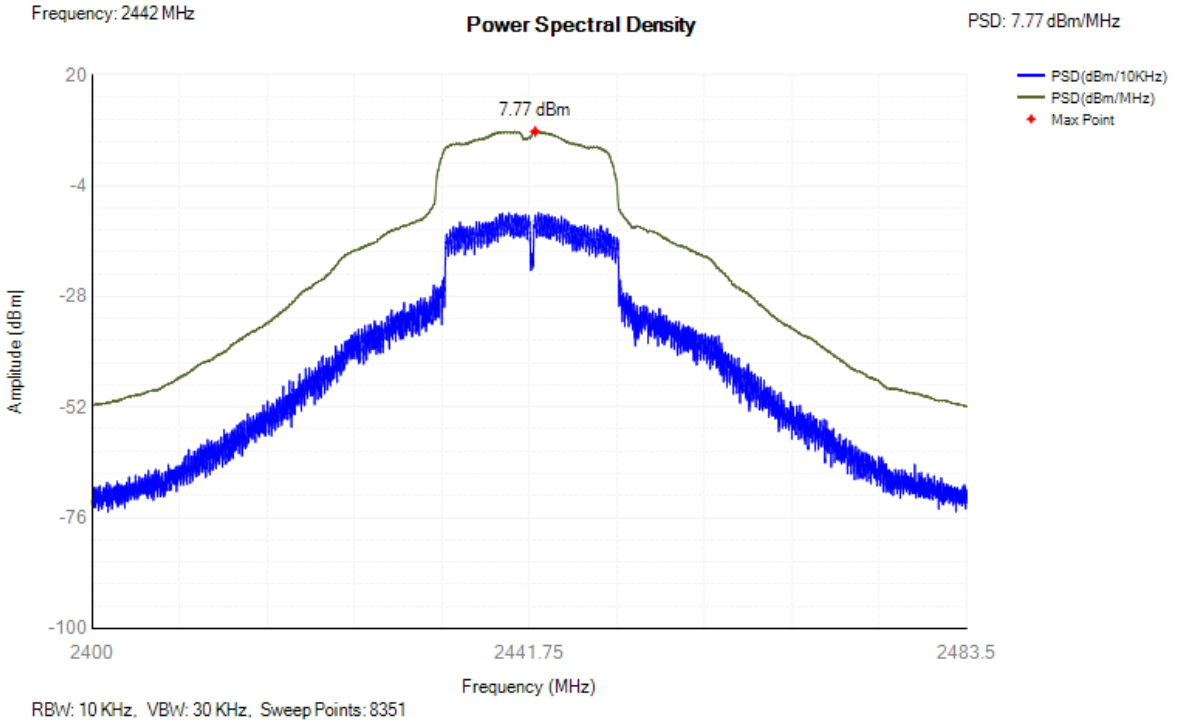


Test Graphs

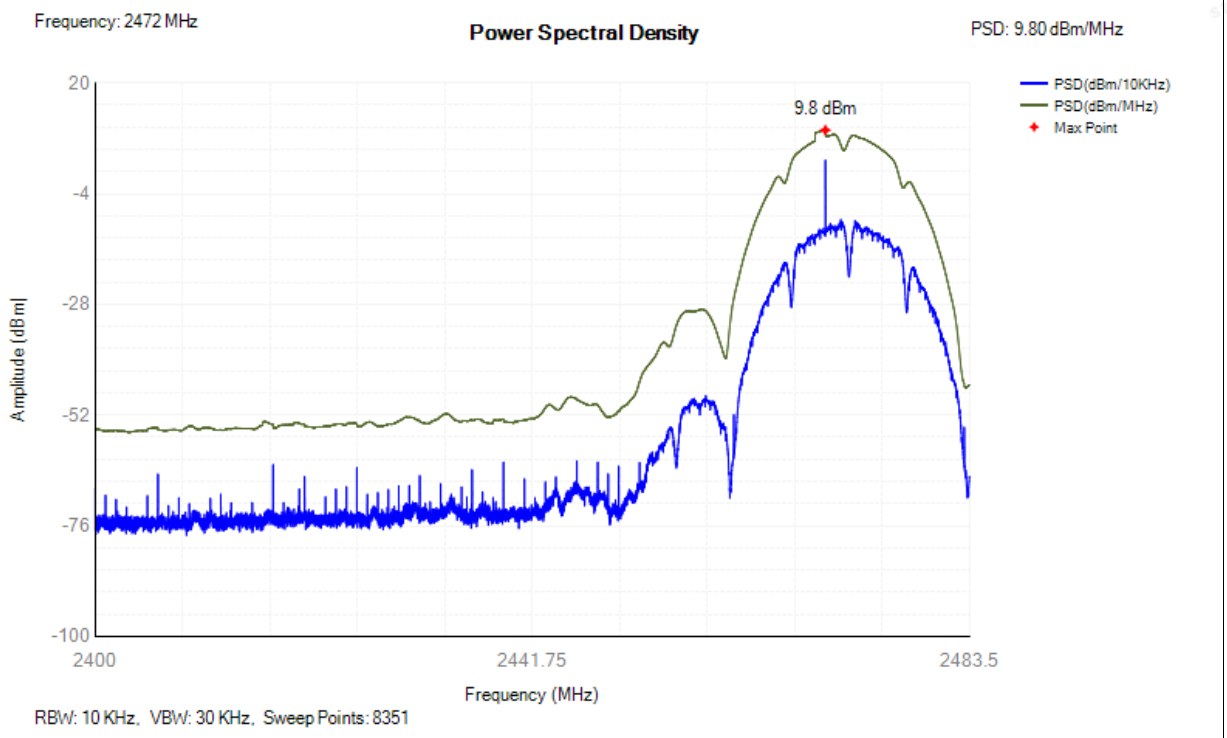
PSD NVNT b 2412MHz Ant1



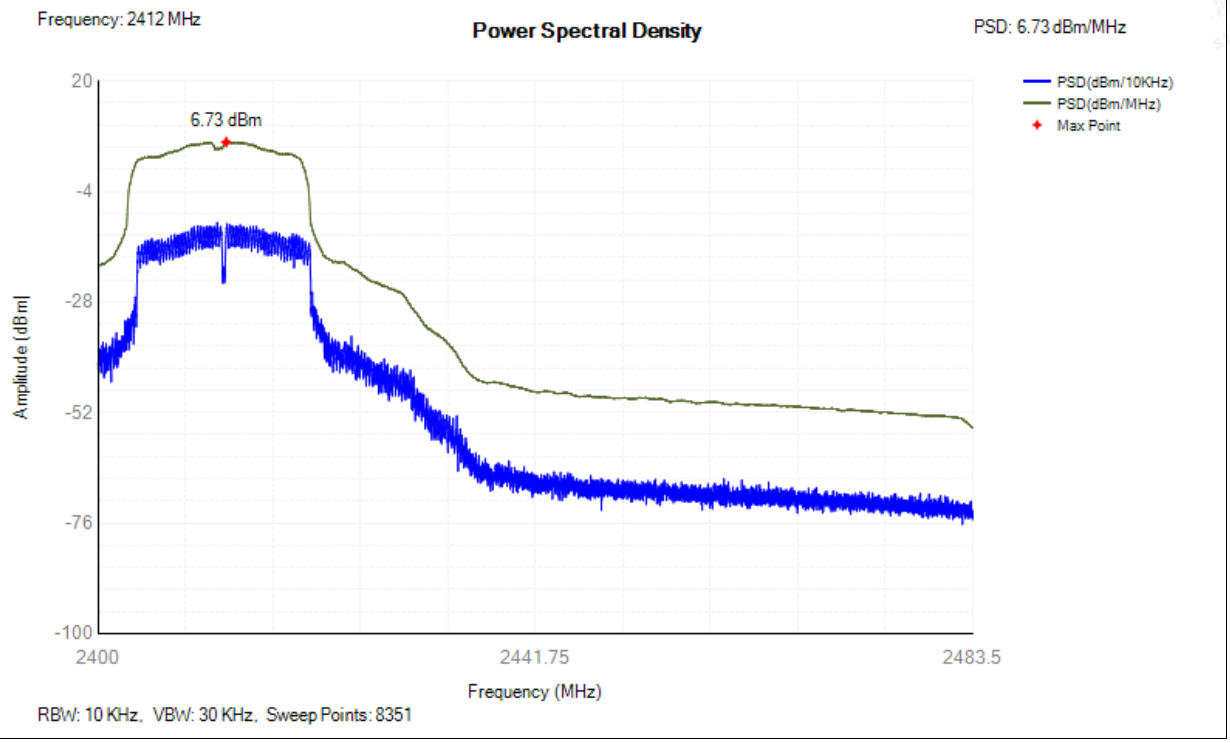
PSD NVNT b 2442MHz Ant1



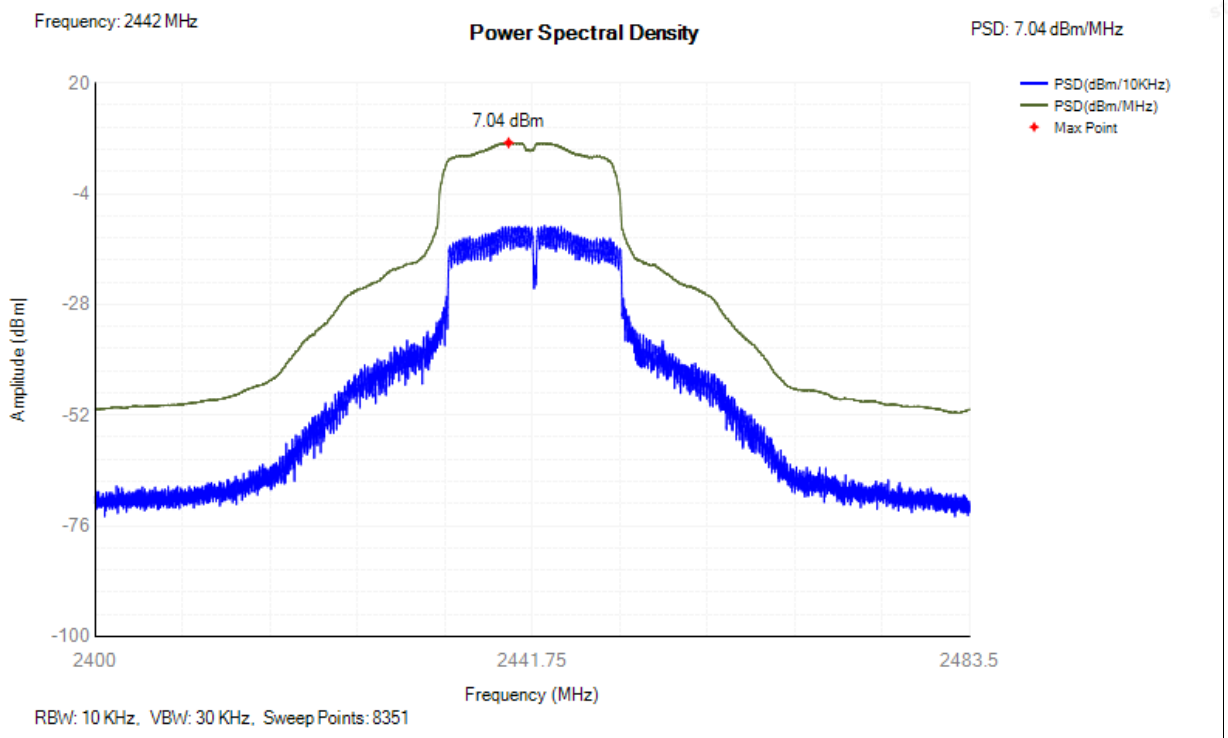
PSD NVNT b 2472MHz Ant1



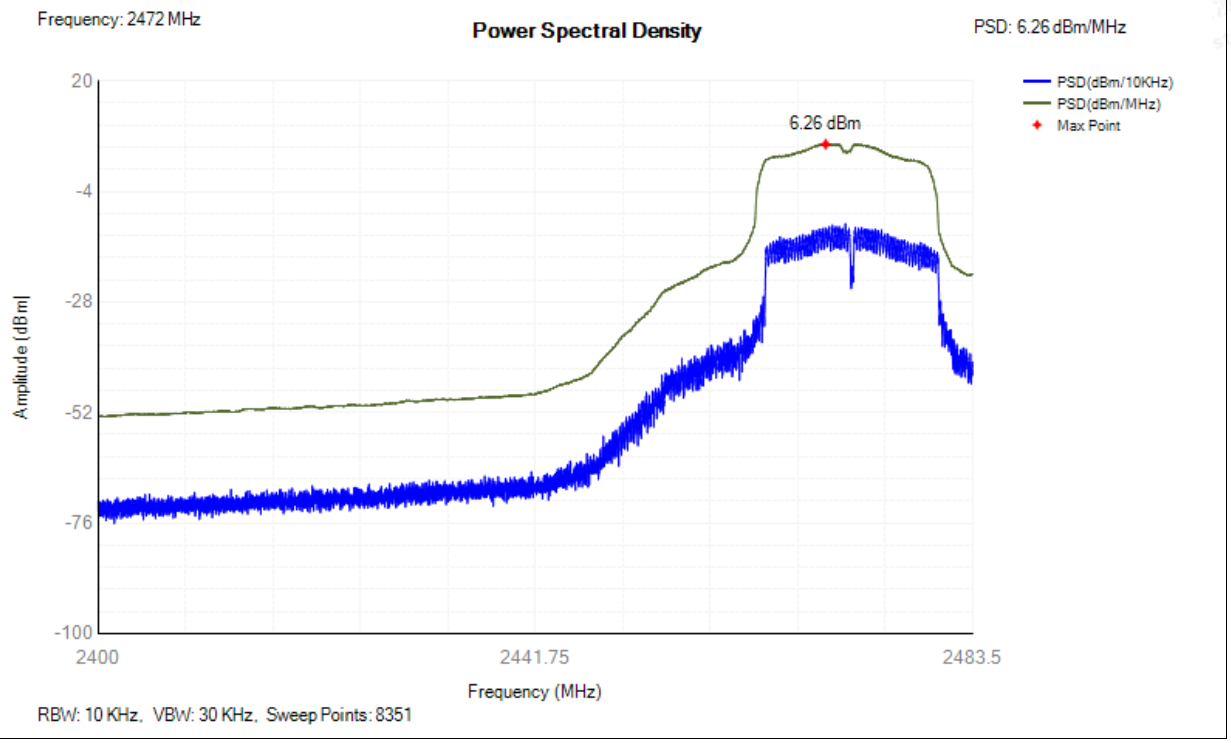
PSD NVNT g 2412MHz Ant1



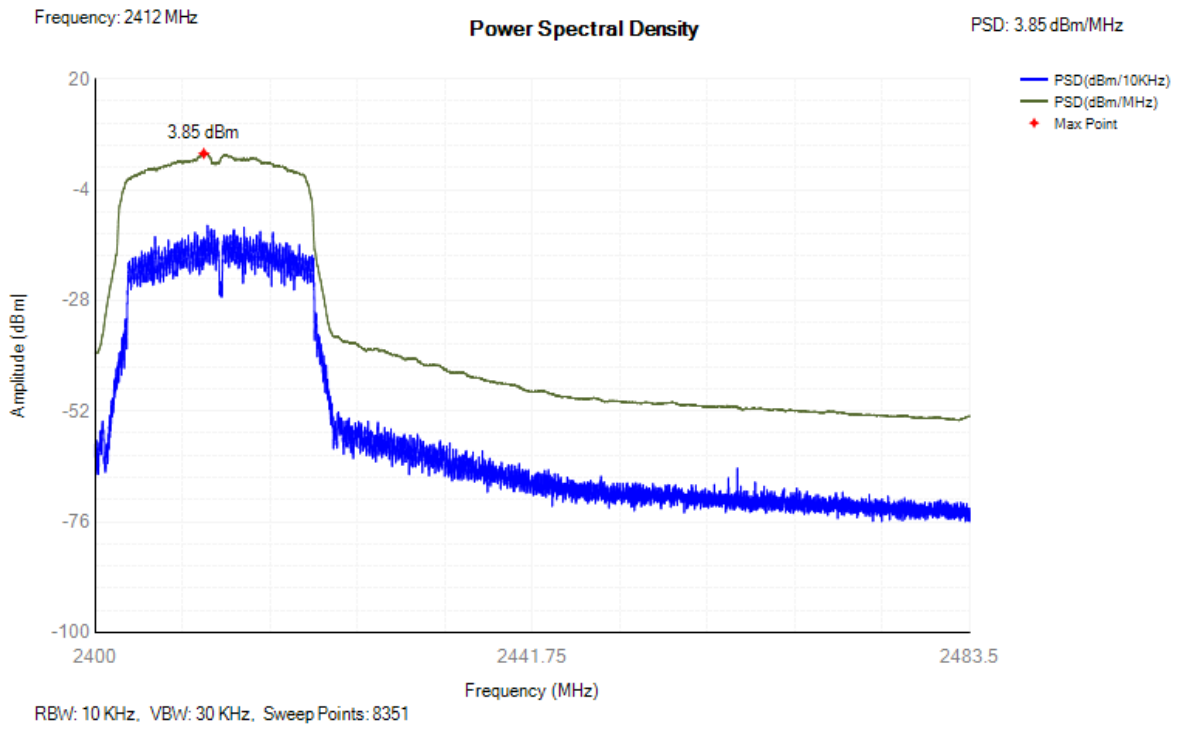
PSD NVNT g 2442MHz Ant1



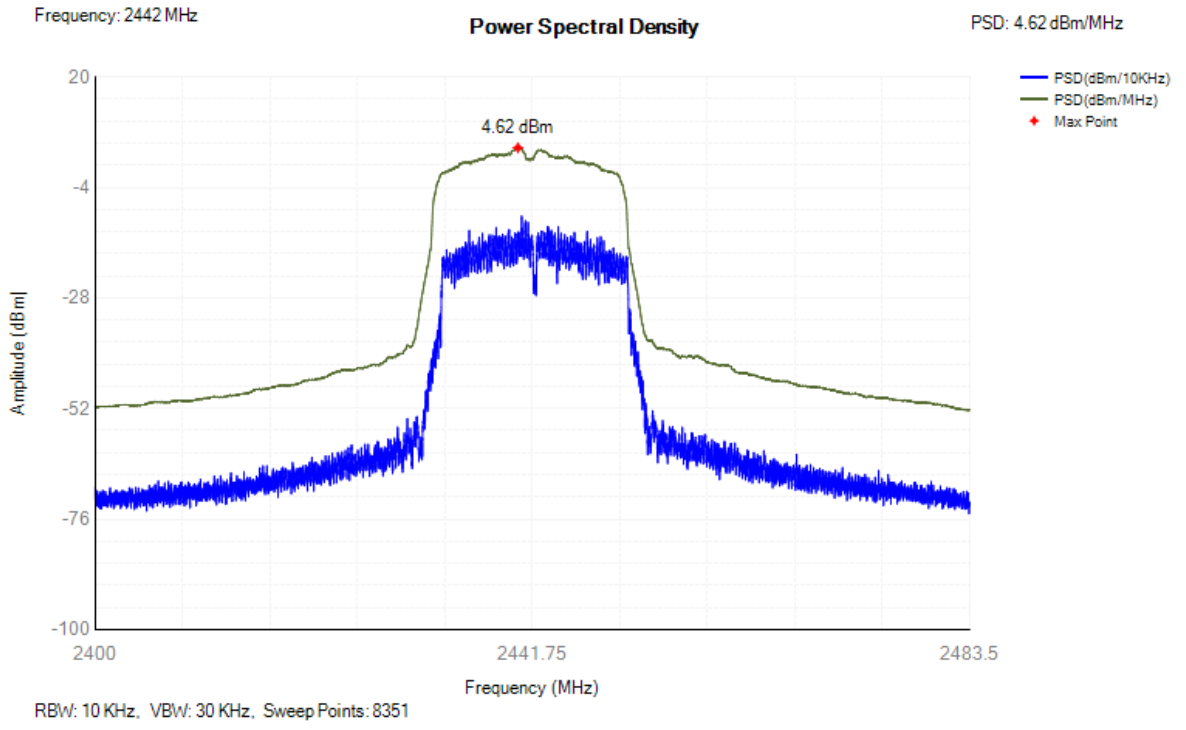
PSD NVNT g 2472MHz Ant1



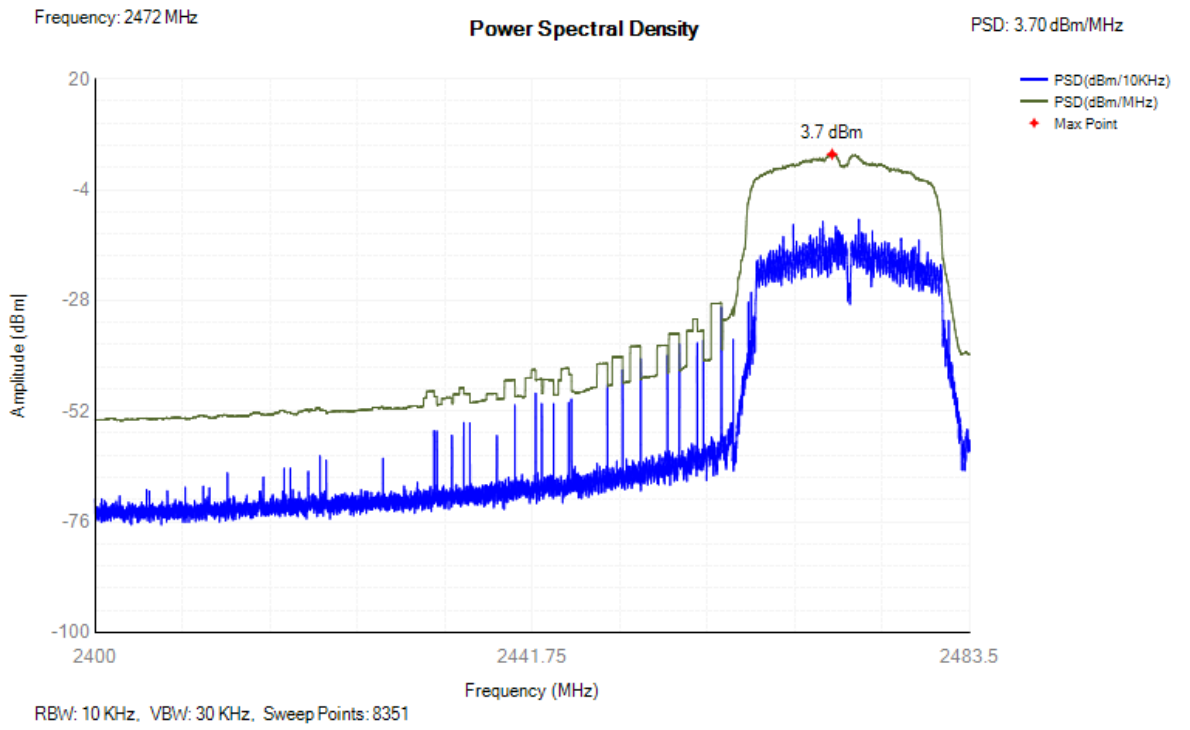
PSD NVNT n20 2412MHz Ant1



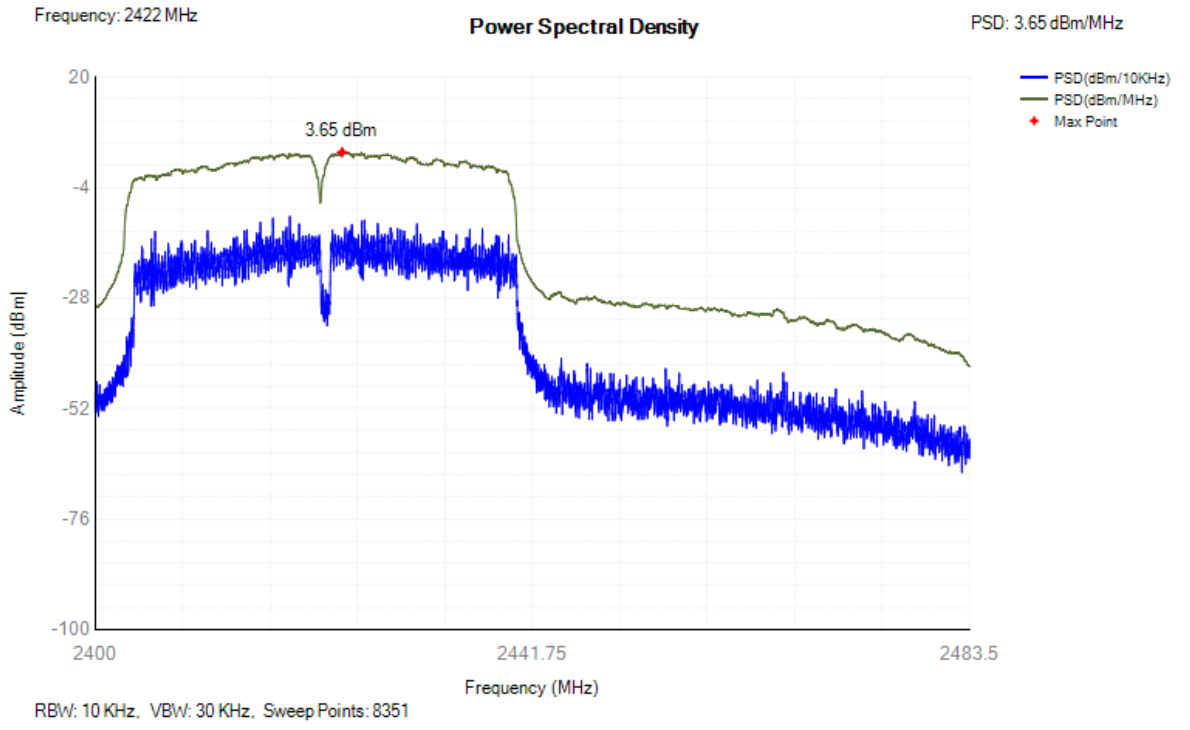
PSD NVNT n20 2442MHz Ant1



PSD NVNT n20 2472MHz Ant1



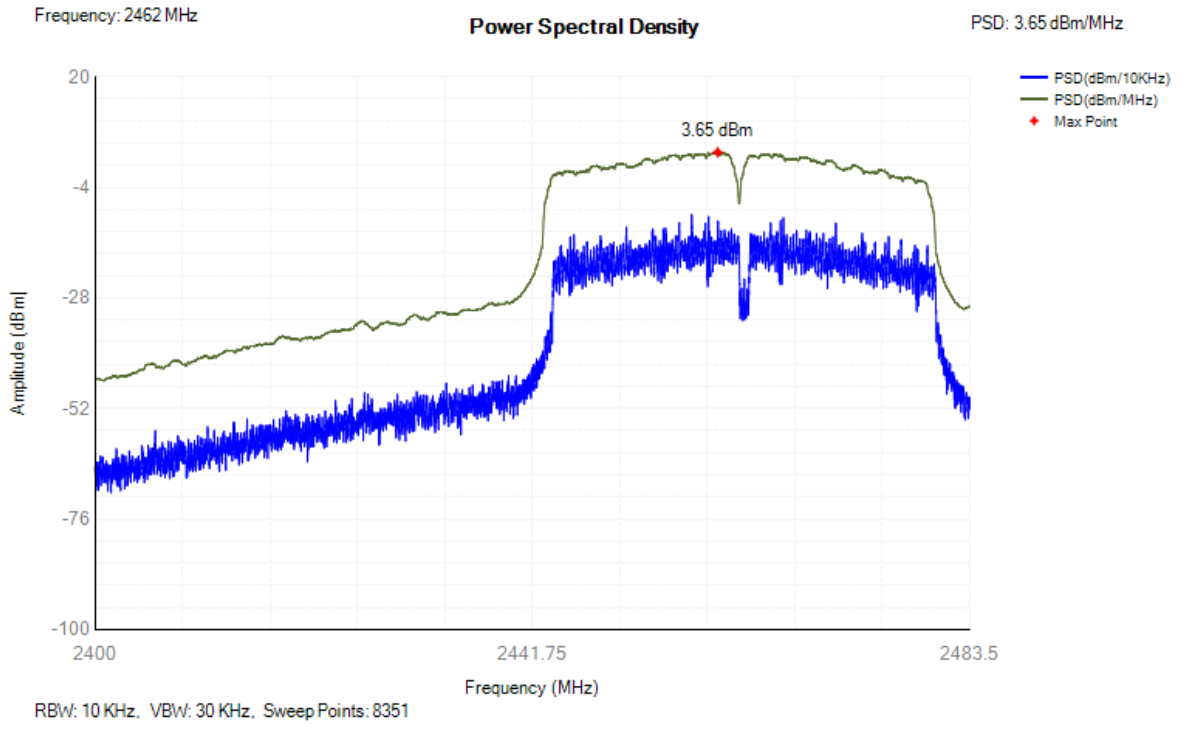
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2442MHz Ant1



PSD NVNT n40 2462MHz Ant1

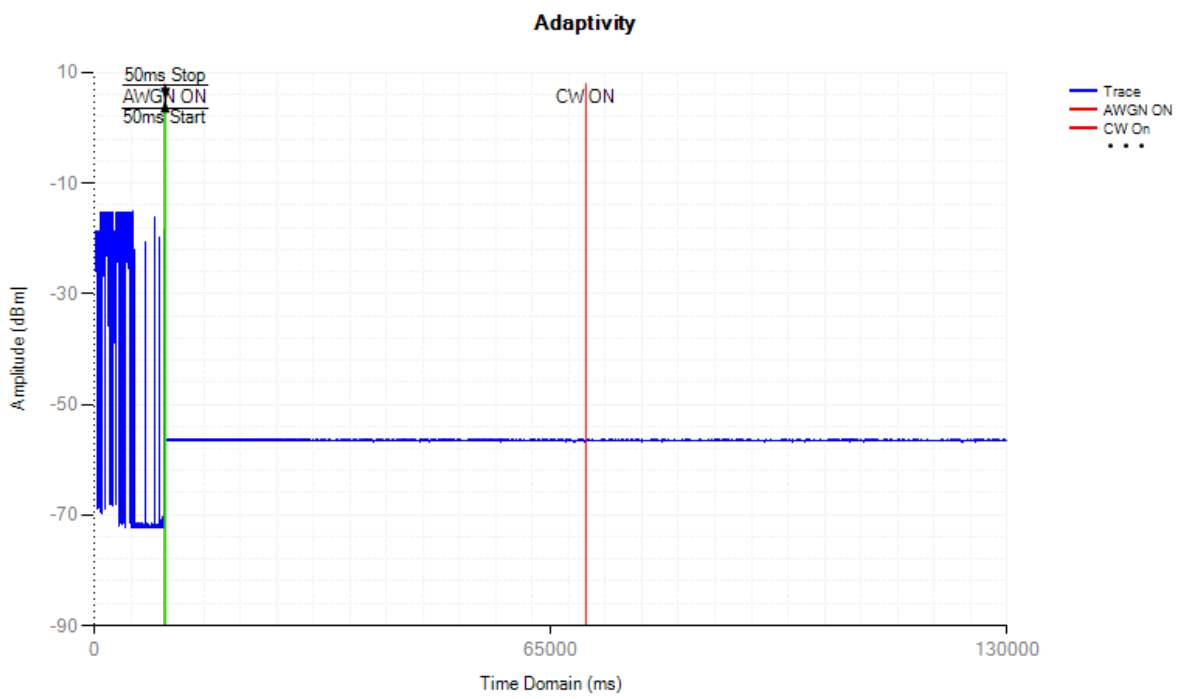


E.3 Adaptivity

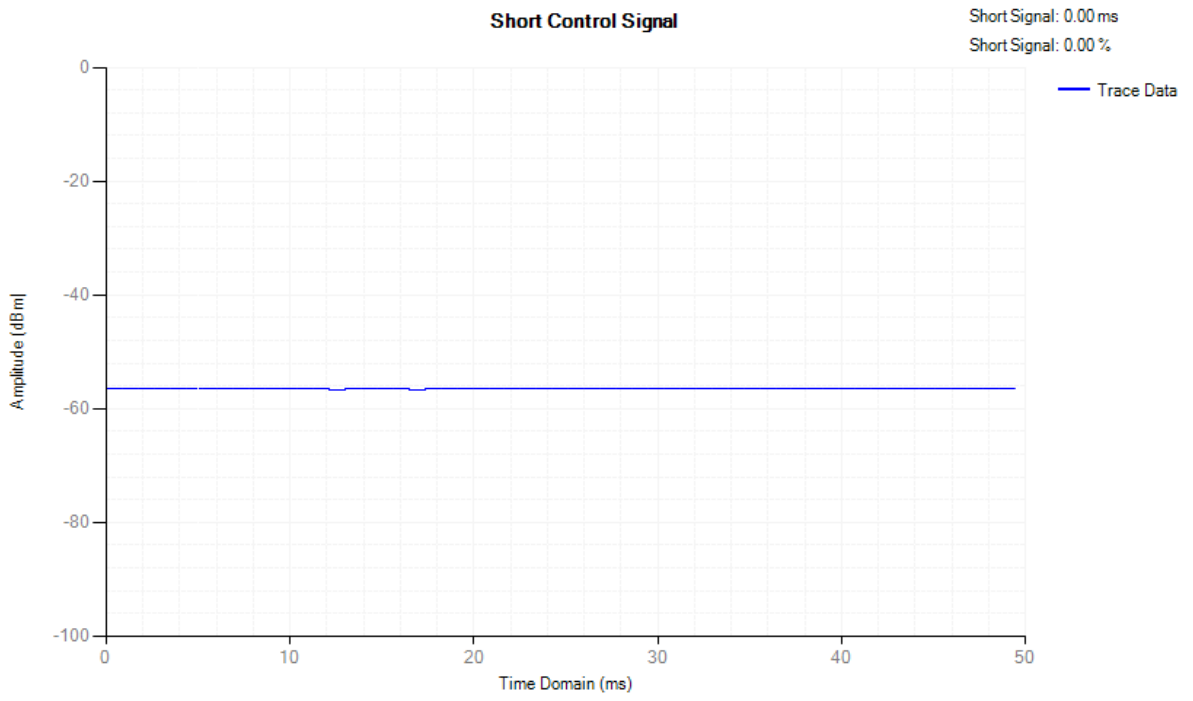
The Worst Case: ANT0

Condition	Mode	Frequency (MHz)	Antenna	AWGN Level (dBm)	CW Level (dBm)	Short Control Width (ms)	Short Control Ratio(%)	Limit (%)	Verdict
NVNT	b	2412	Ant1	-67.12	-35	0	0	<=10	Pass
NVNT	b	2442	Ant1	-67.28	-35	0	0	<=10	Pass
NVNT	b	2472	Ant1	-66.49	-35	0	0	<=10	Pass
NVNT	g	2412	Ant1	-67.15	-35	0	0	<=10	Pass
NVNT	g	2442	Ant1	-67.49	-35	0	0	<=10	Pass
NVNT	g	2472	Ant1	-66.59	-35	0	0	<=10	Pass
NVNT	n20	2412	Ant1	-67.68	-35	0	0	<=10	Pass
NVNT	n20	2442	Ant1	-67.94	-35	0	0	<=10	Pass
NVNT	n20	2472	Ant1	-67.07	-35	0	0	<=10	Pass
NVNT	n40	2422	Ant1	-66.88	-35	0	0	<=10	Pass
NVNT	n40	2442	Ant1	-66.92	-35	0	0	<=10	Pass
NVNT	n40	2462	Ant1	-66.66	-35	0	0	<=10	Pass

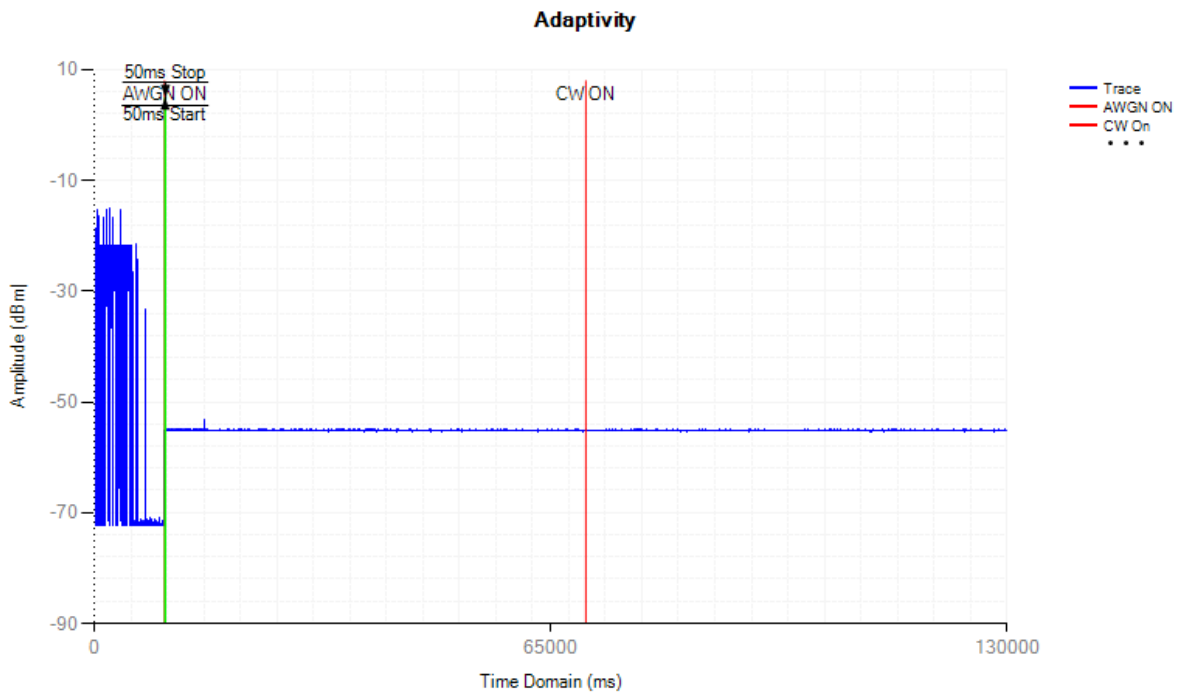
Test Graphs
Adaptivity NVNT b 2412MHz



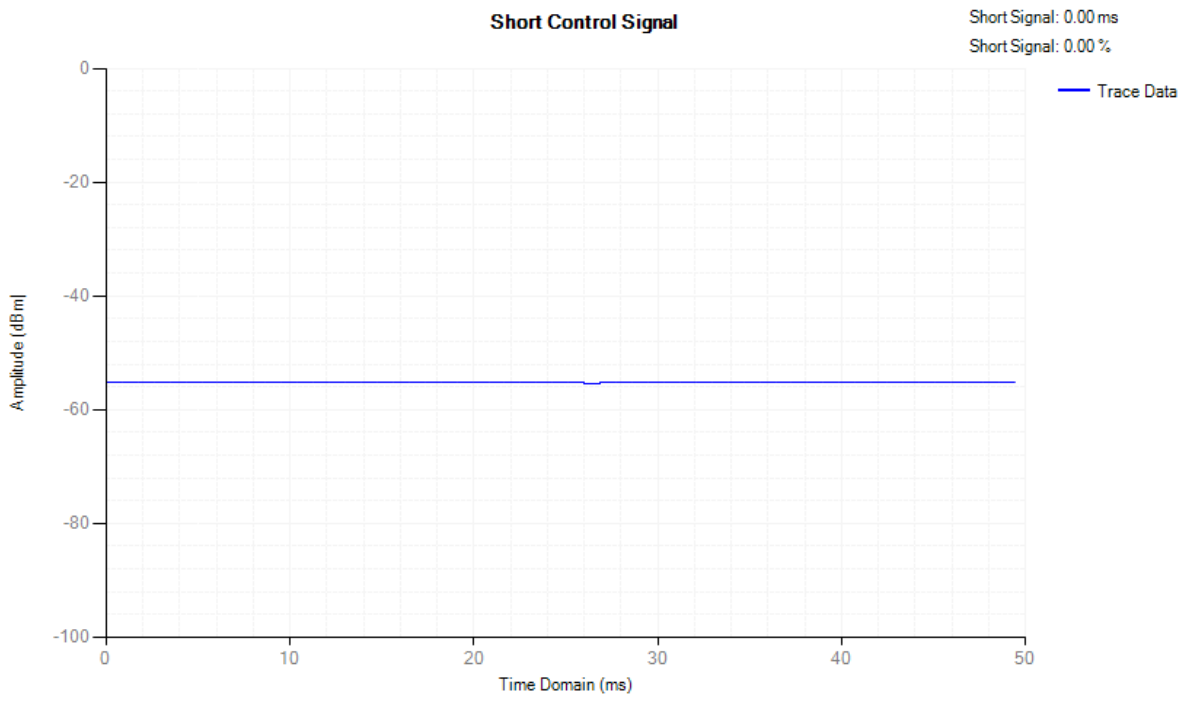
Control Signal NVNT b 2412MHz



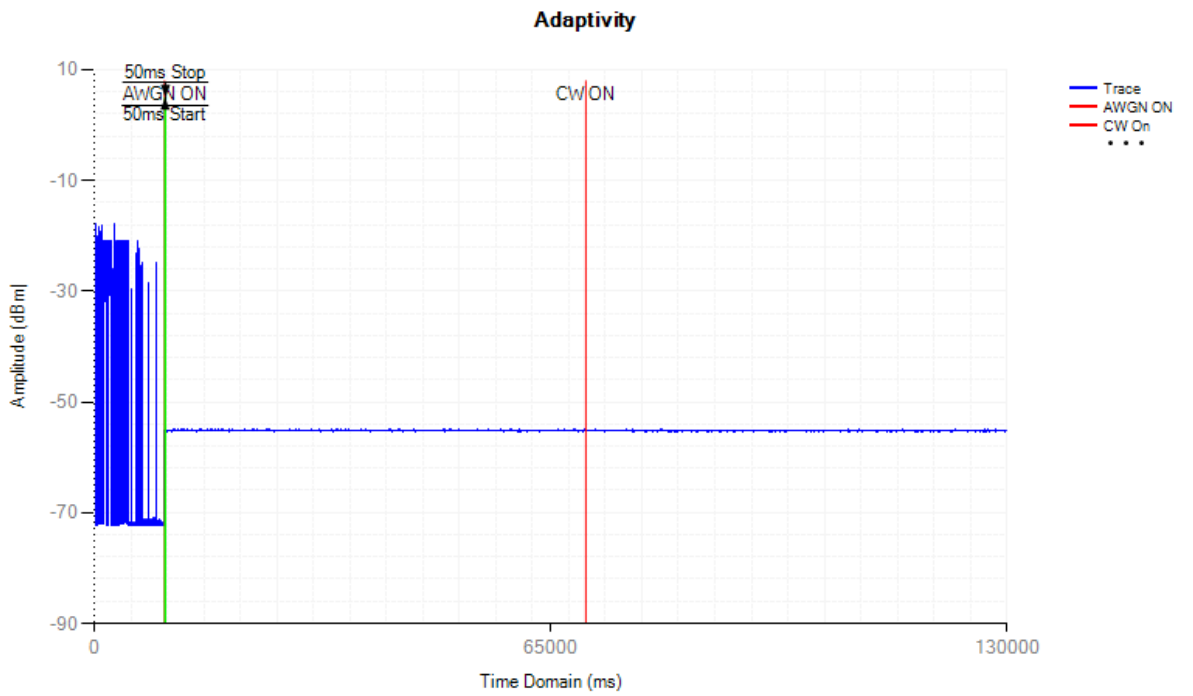
Adaptivity NVNT b 2442MHz



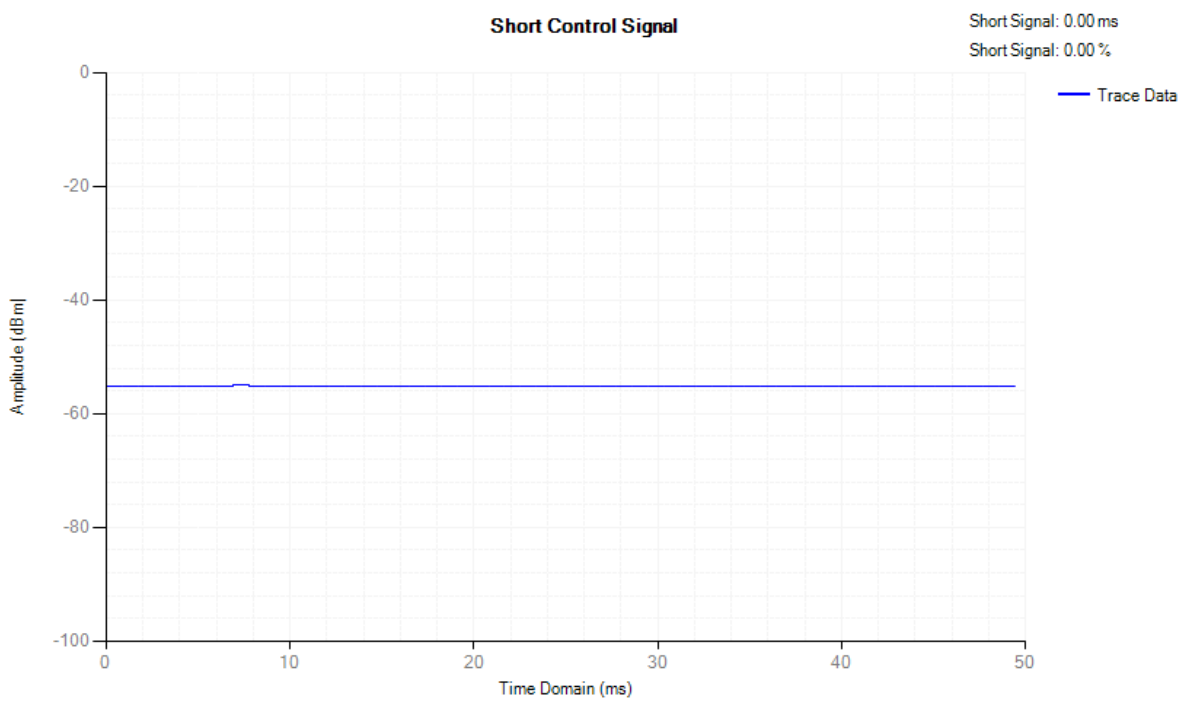
Control Signal NVNT b 2442MHz



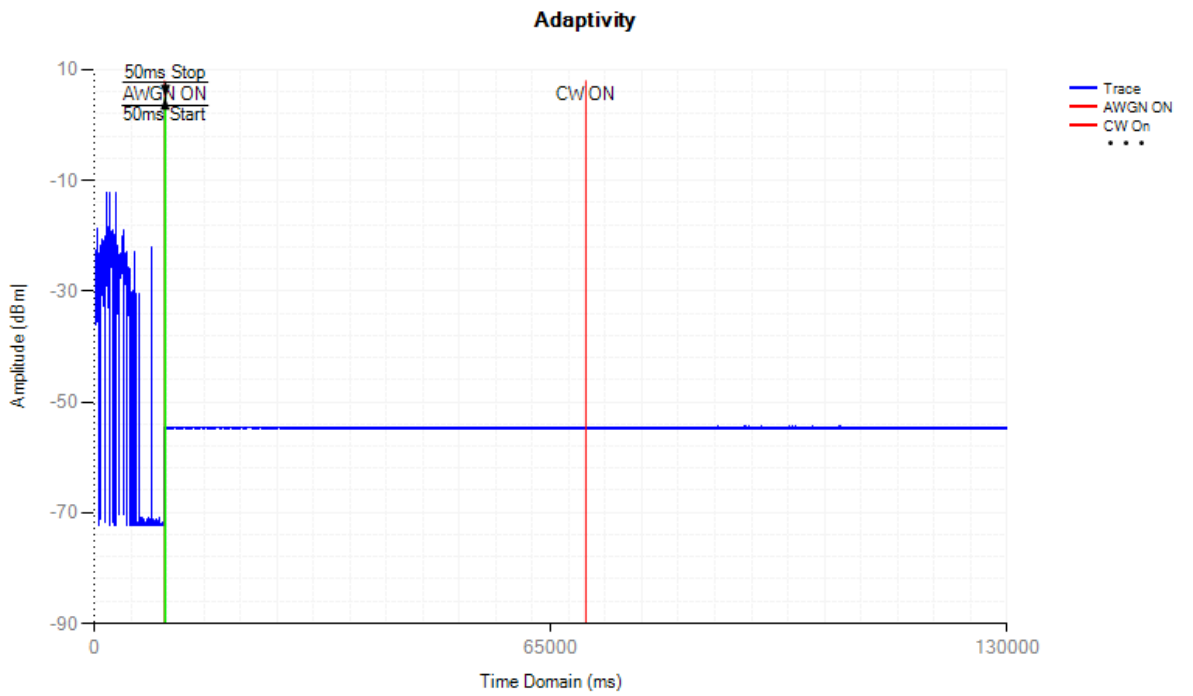
Adaptivity NVNT b 2472MHz



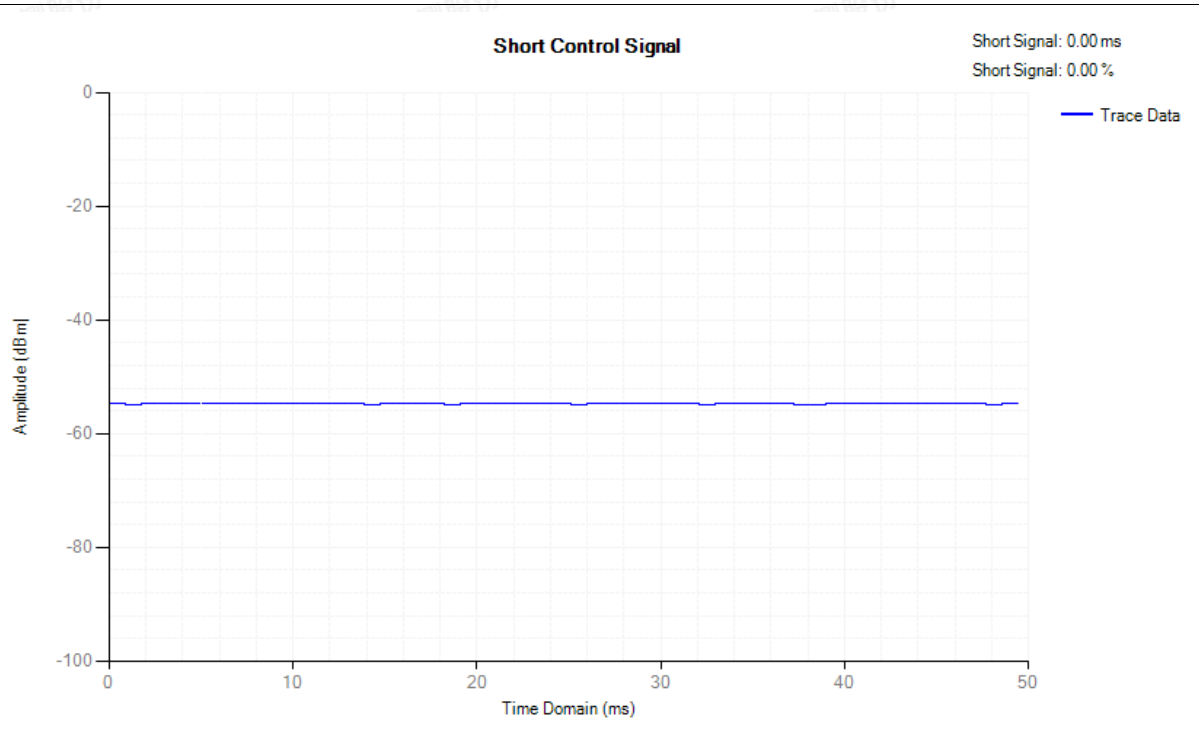
Control Signal NVNT b 2472MHz



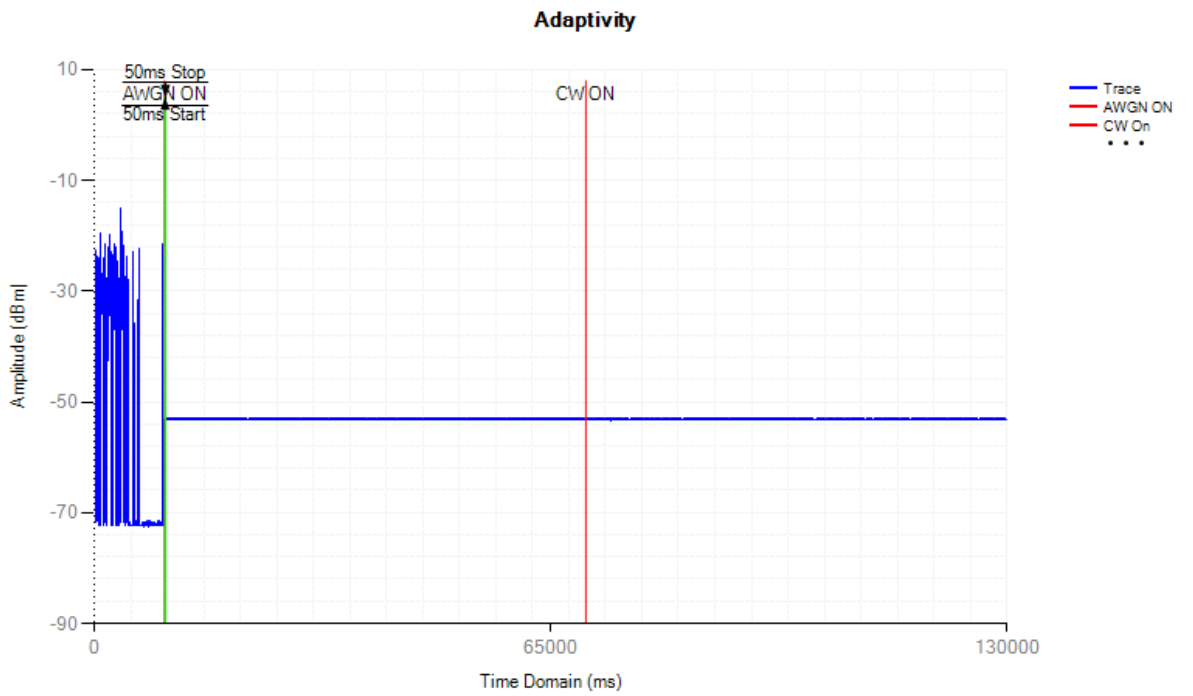
Adaptivity NVNT g 2412MHz



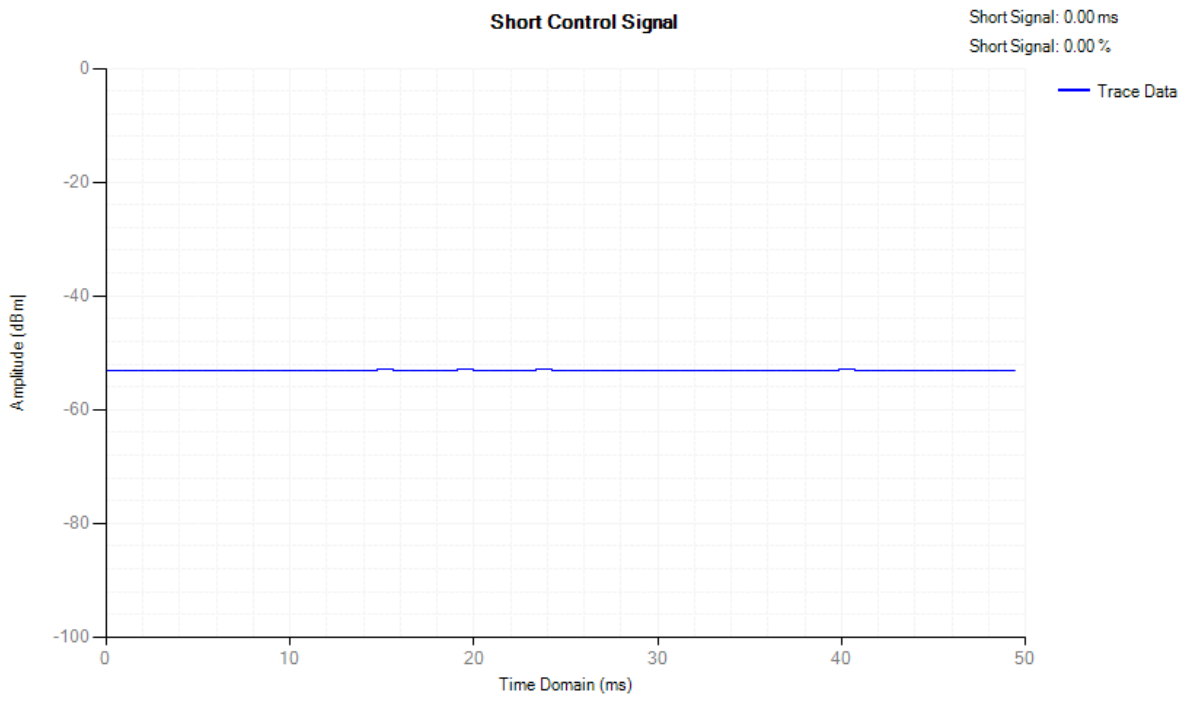
Control Signal NVNT g 2412MHz



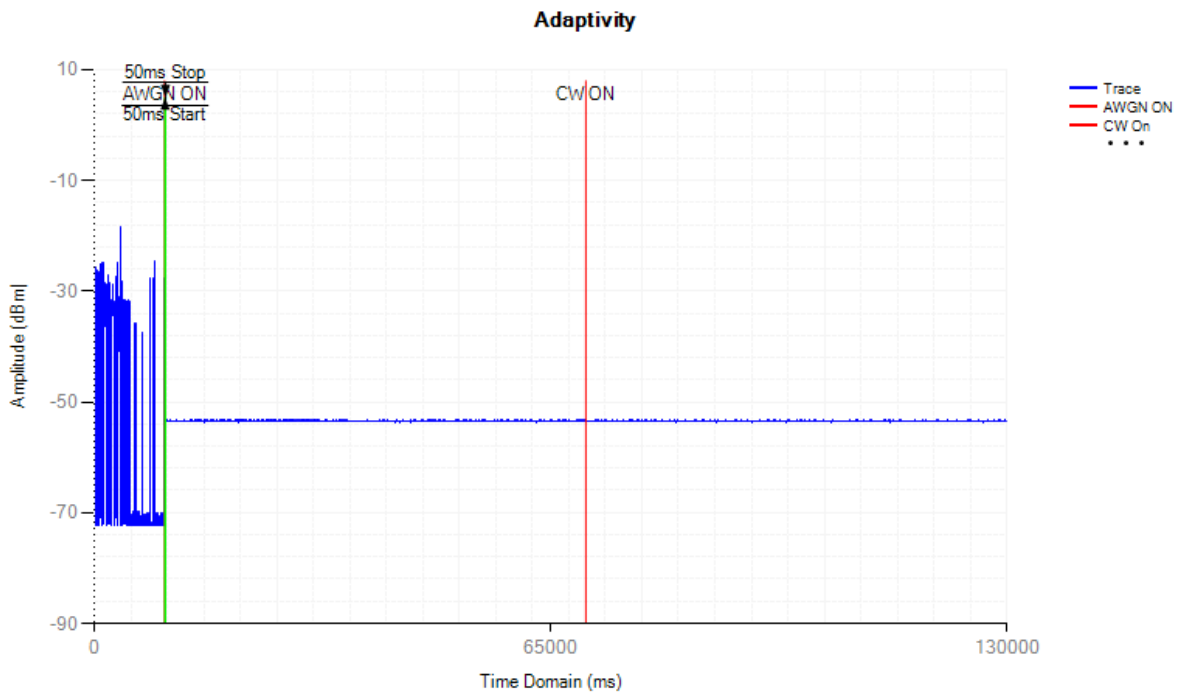
Adaptivity NVNT g 2442MHz



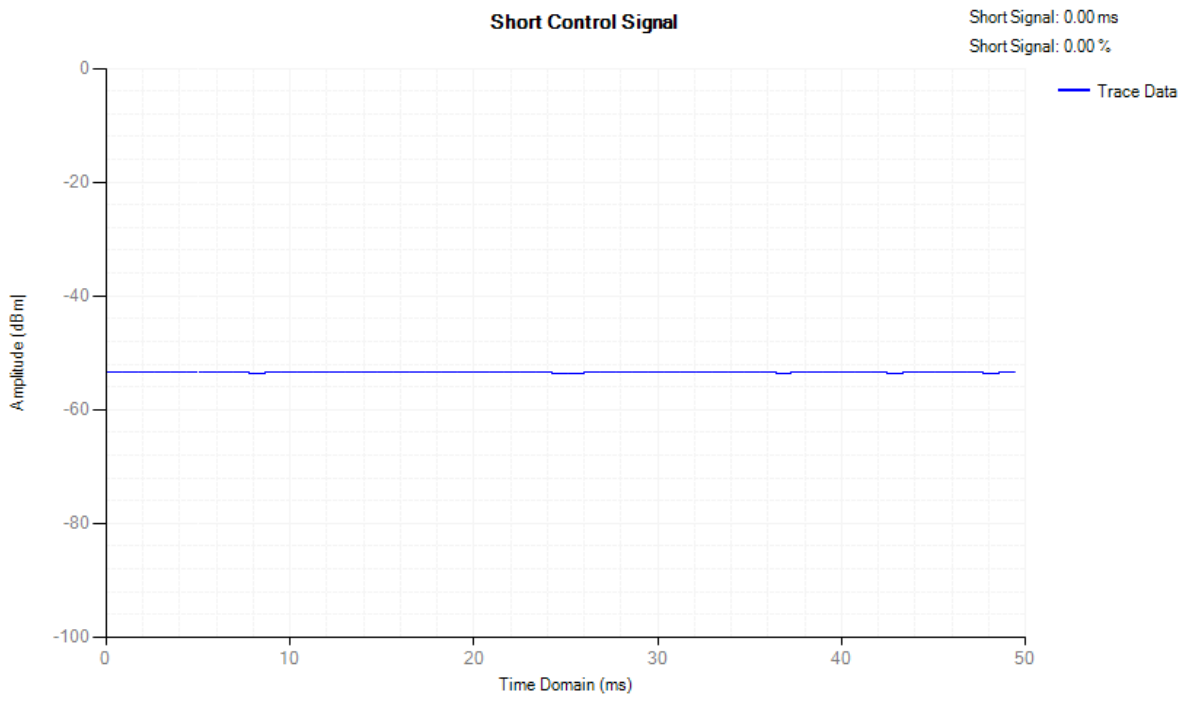
Control Signal NVNT g 2442MHz



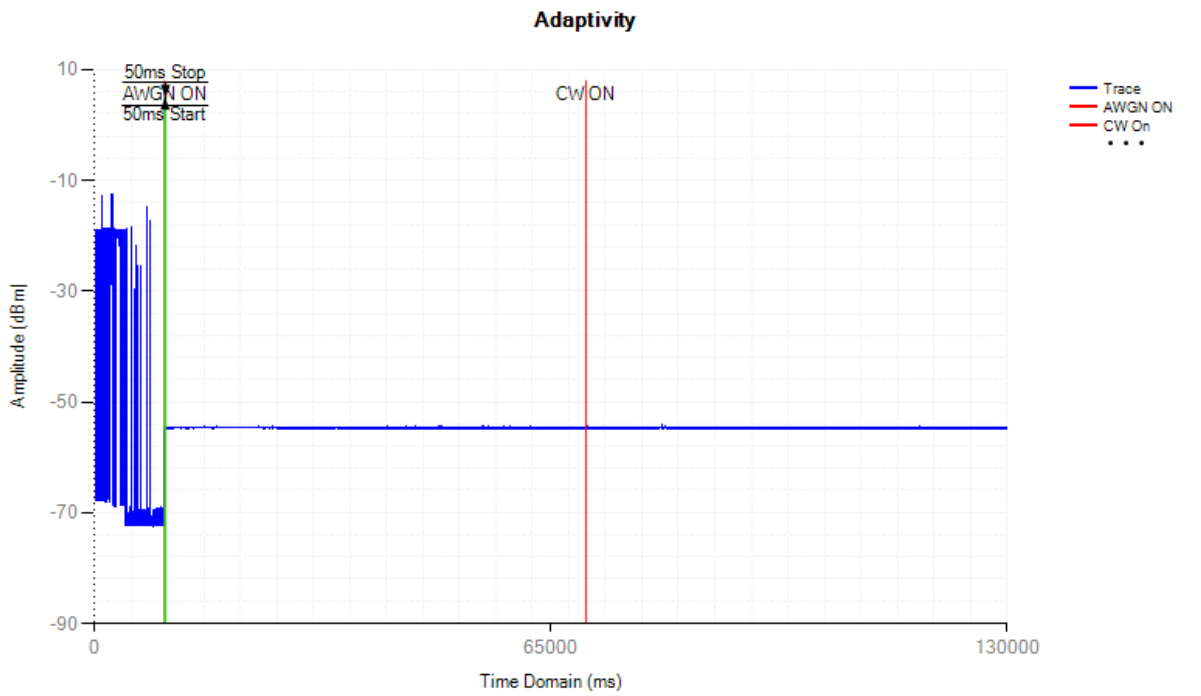
Adaptivity NVNT g 2472MHz



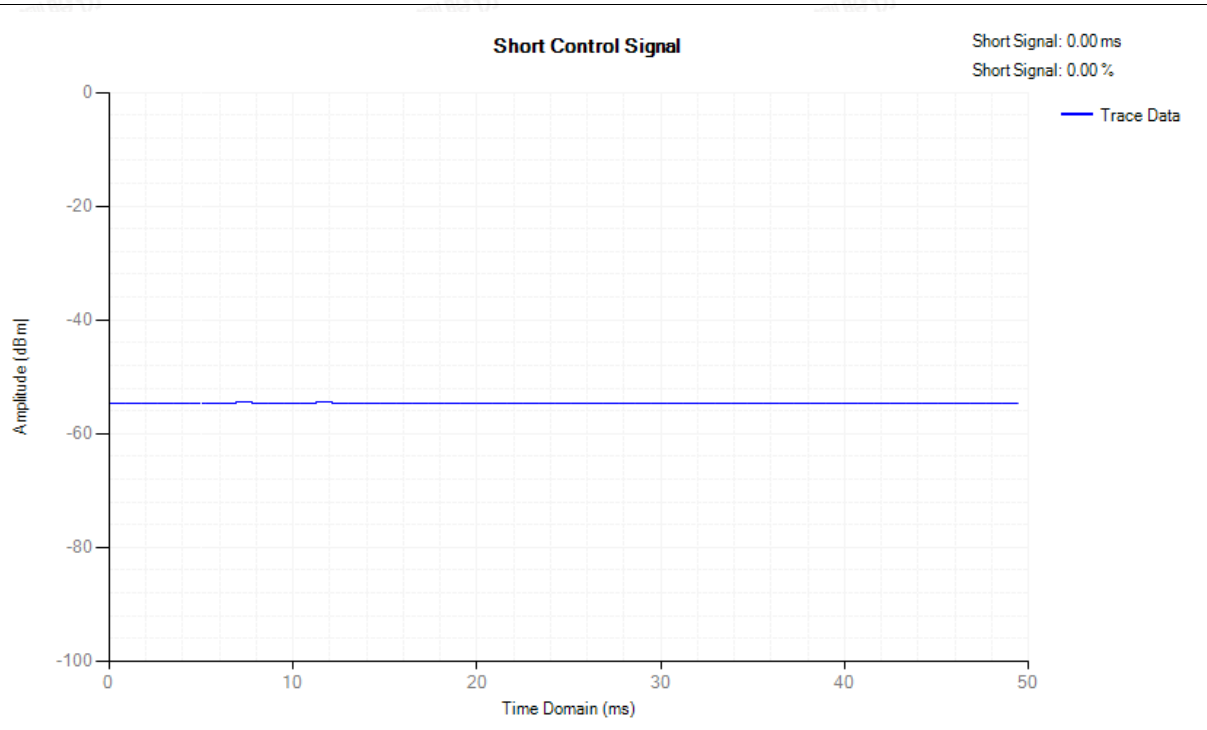
Control Signal NVNT g 2472MHz



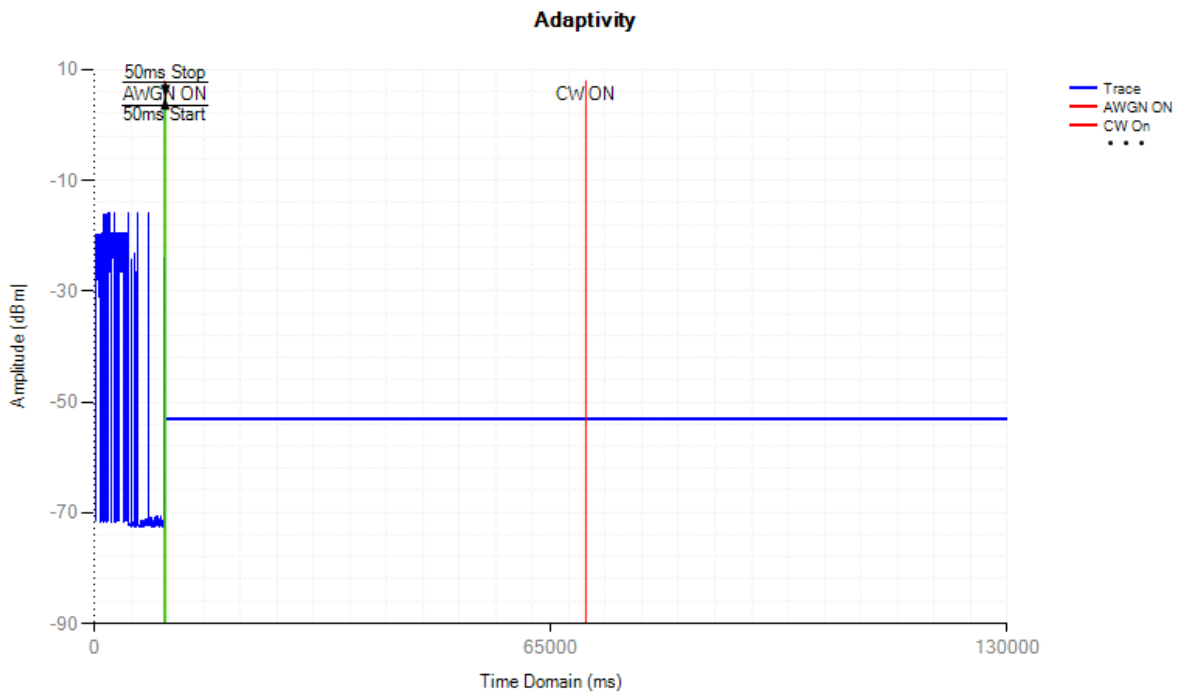
Adaptivity NVNT n20 2412MHz



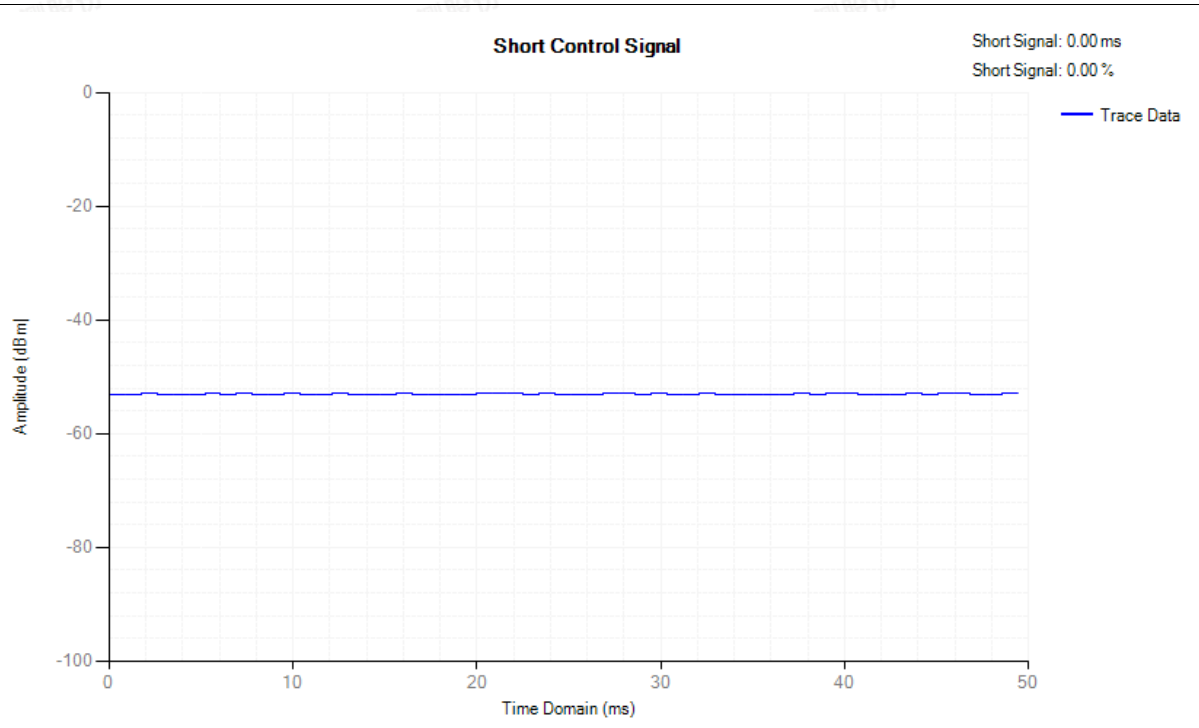
Control Signal NVNT n20 2412MHz



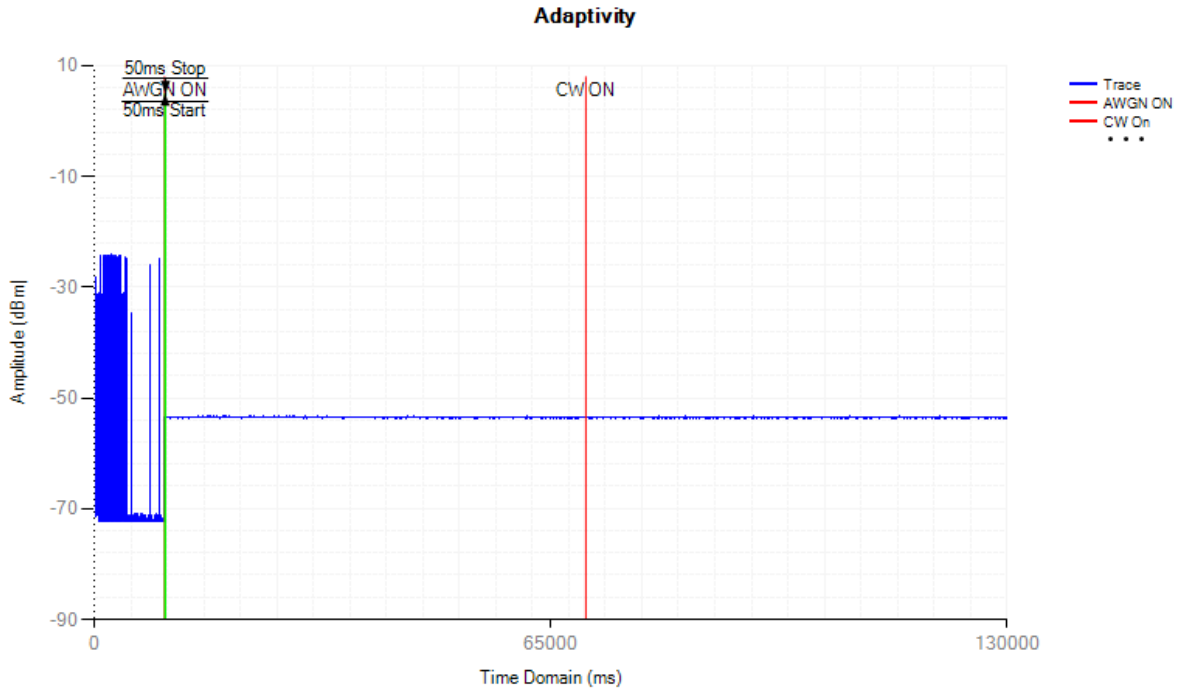
Adaptivity NVNT n20 2442MHz



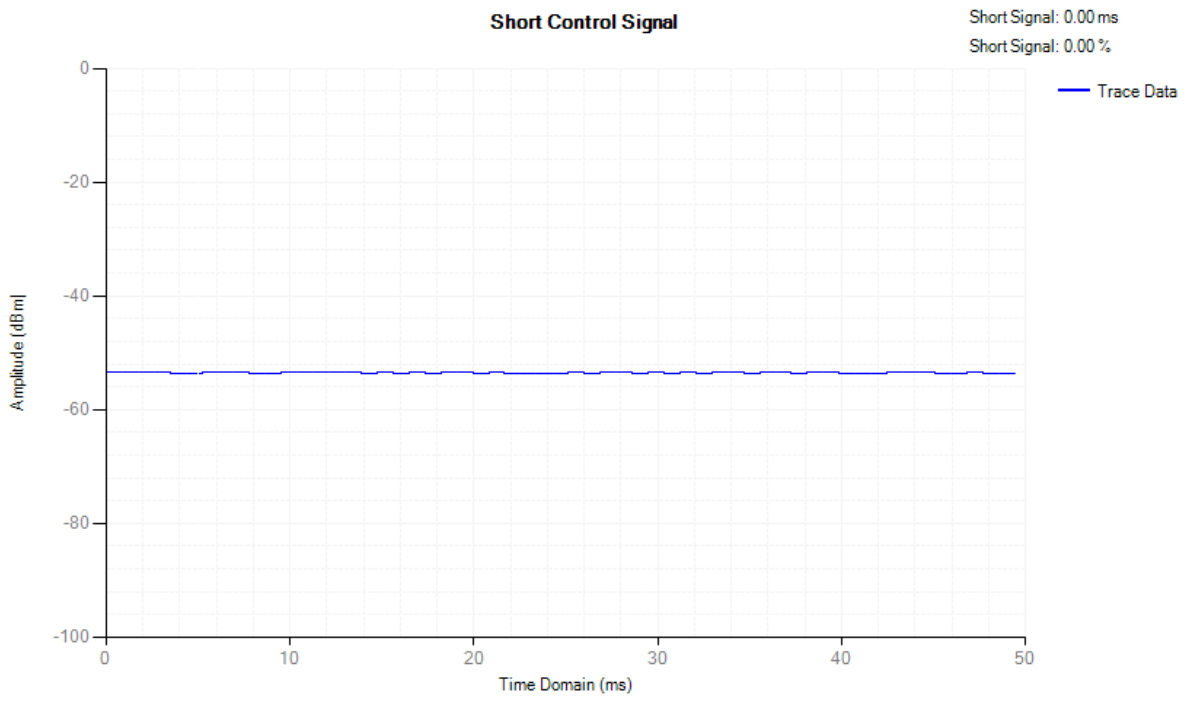
Control Signal NVNT n20 2442MHz



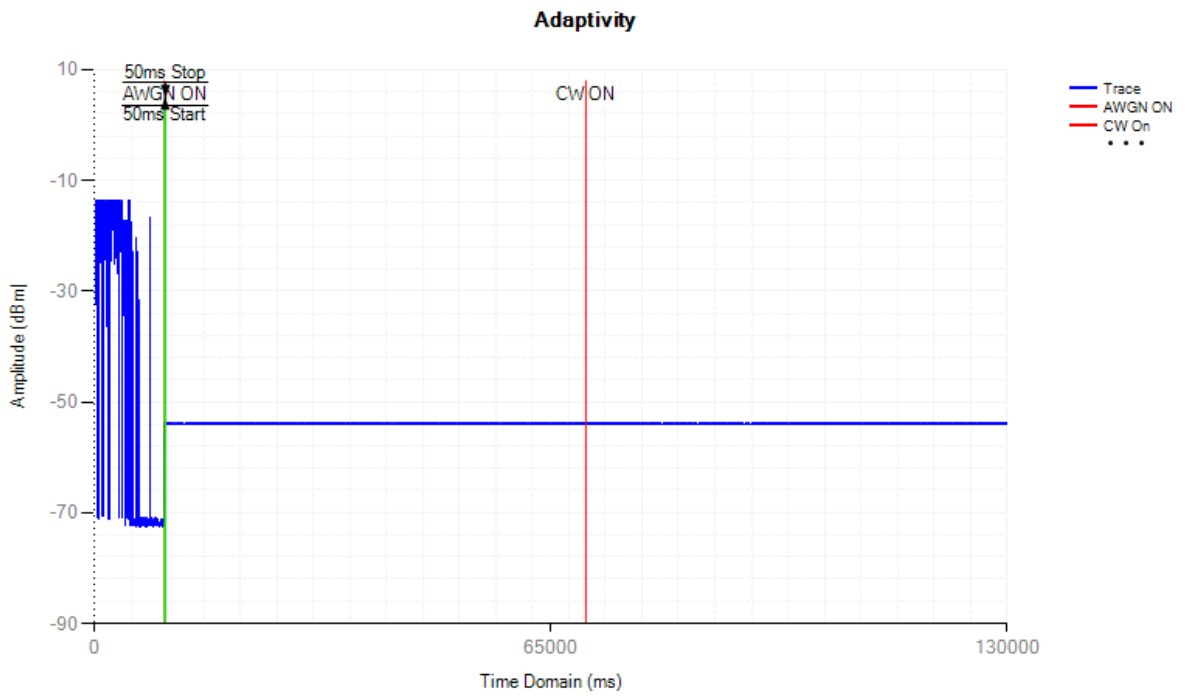
Adaptivity NVNT n20 2472MHz



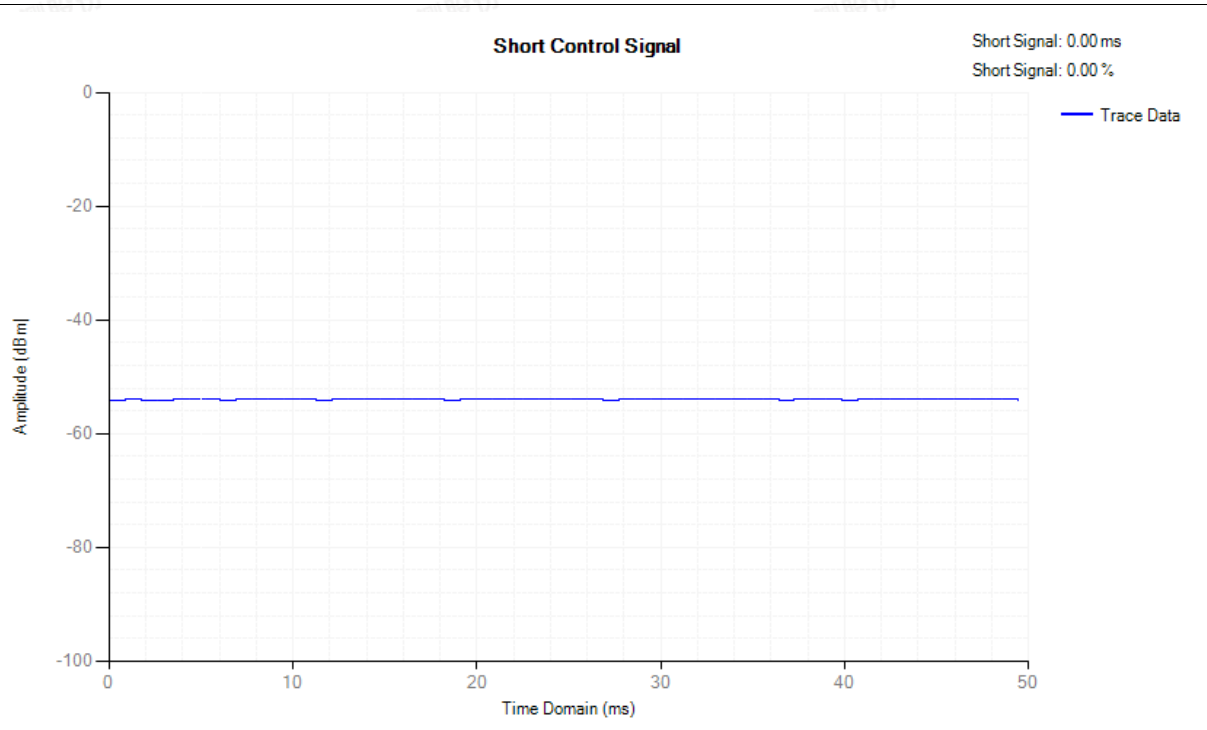
Control Signal NVNT n20 2472MHz



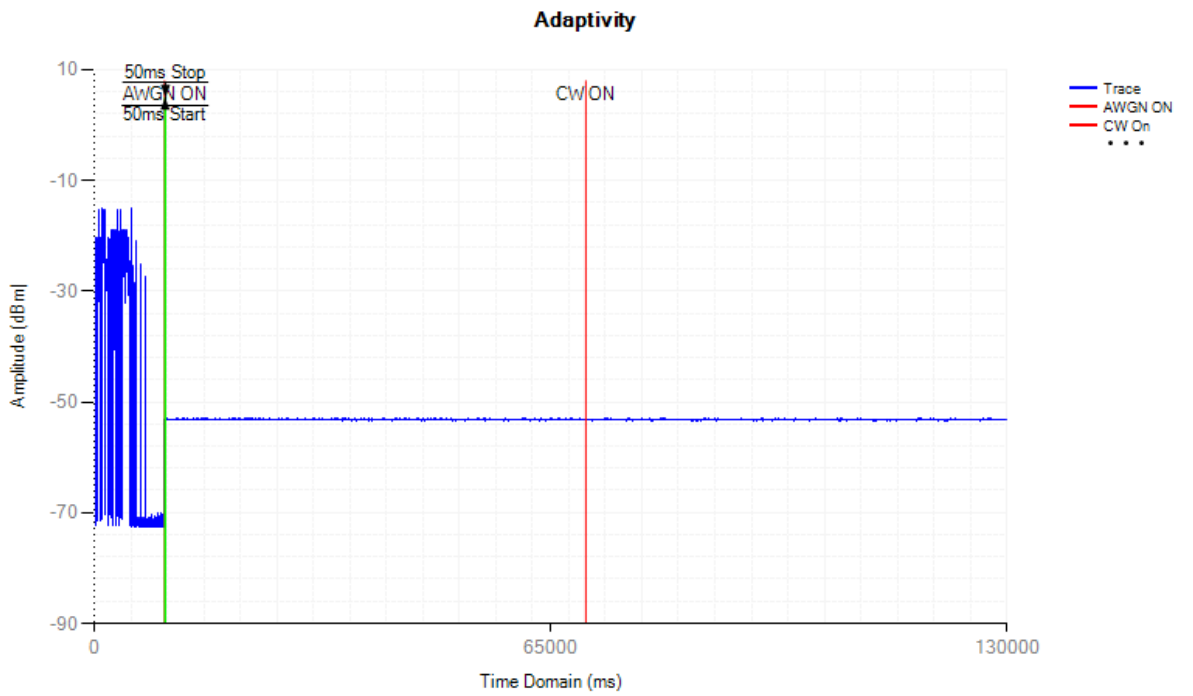
Adaptivity NVNT n40 2422MHz



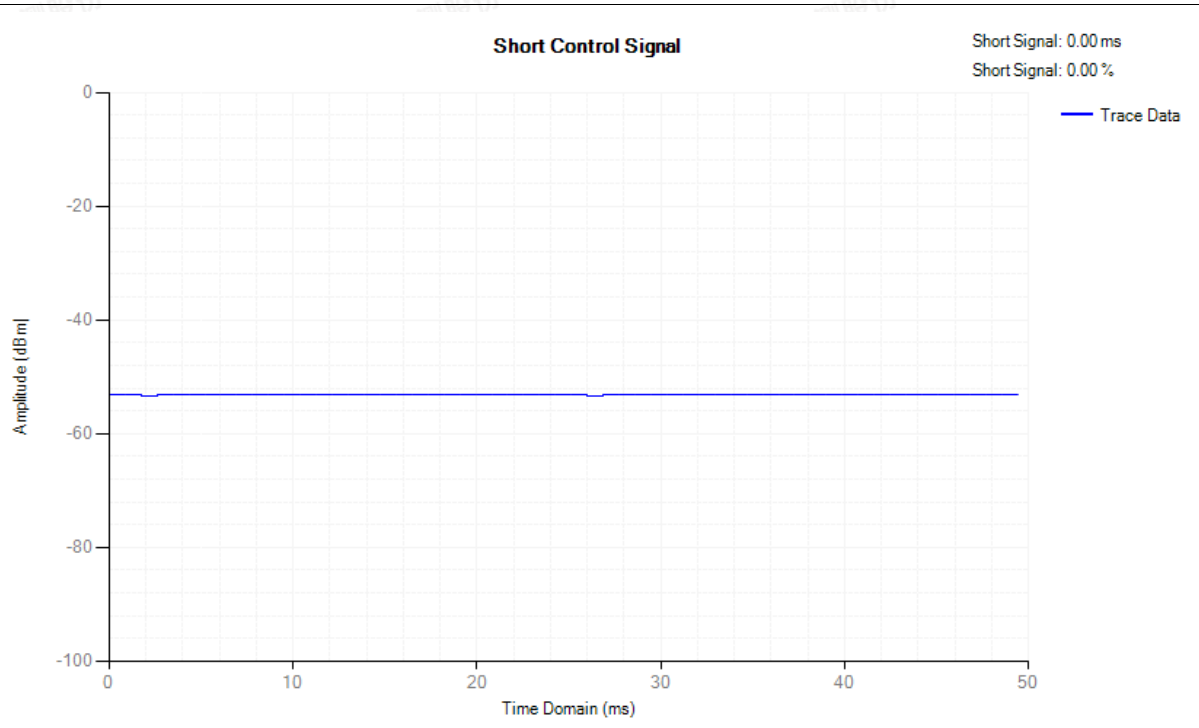
Control Signal NVNT n40 2422MHz



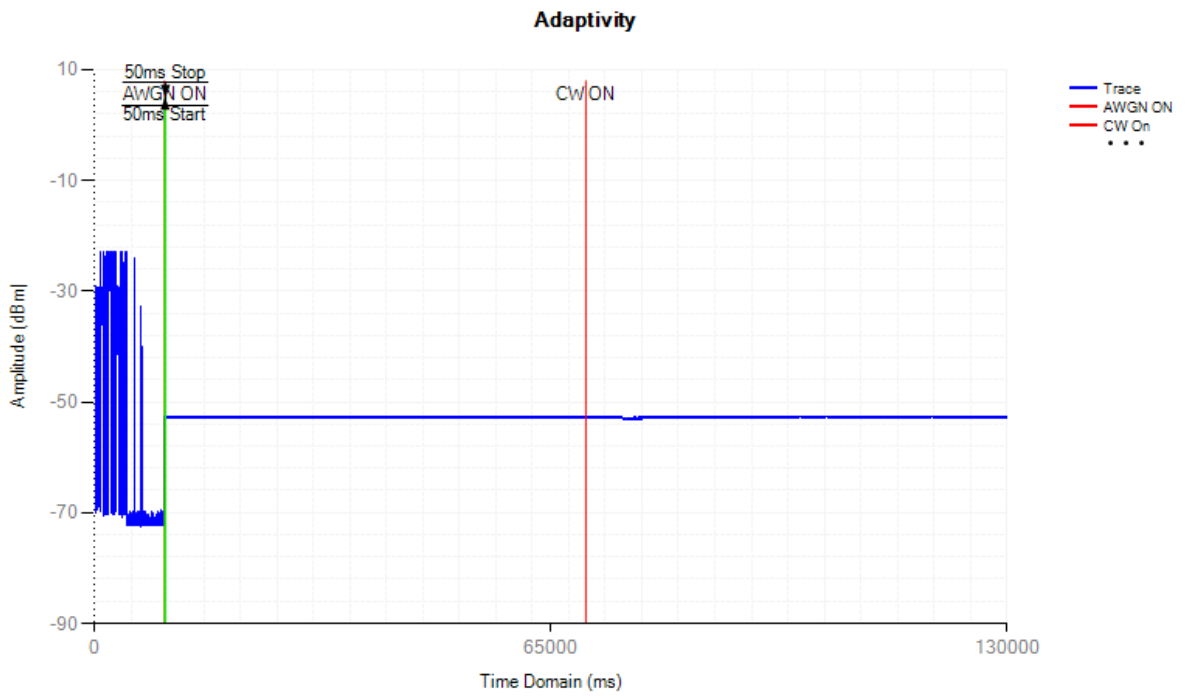
Adaptivity NVNT n40 2442MHz



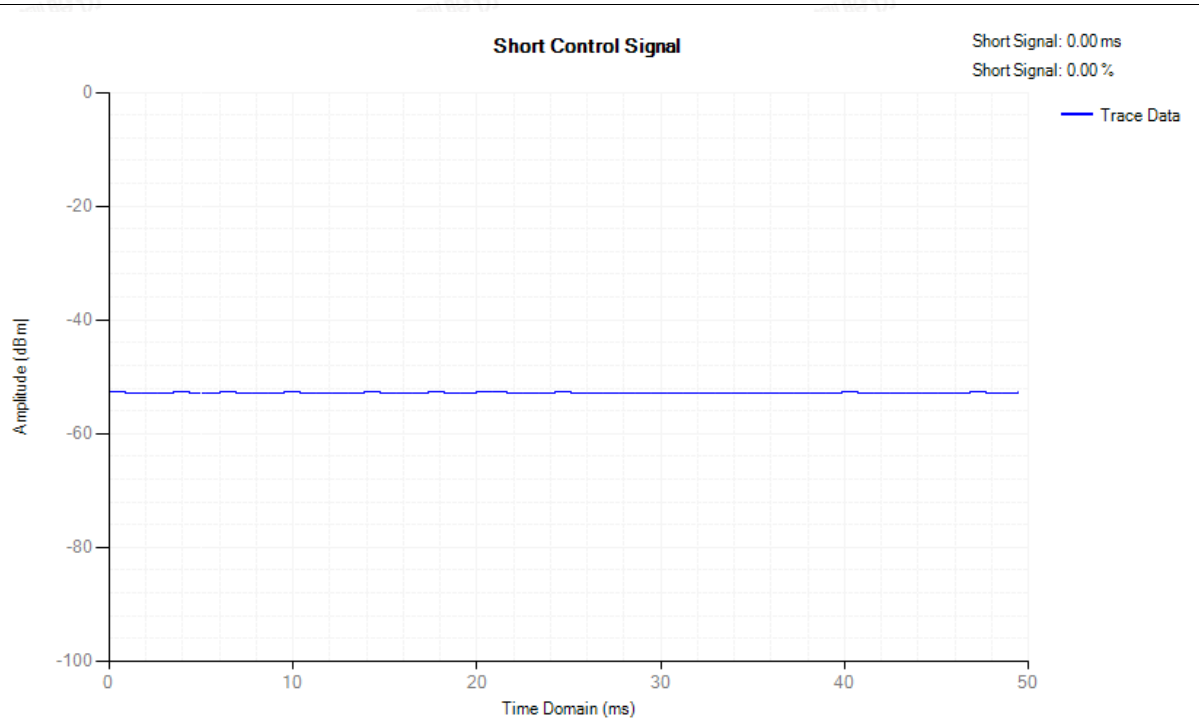
Control Signal NVNT n40 2442MHz



Adaptivity NVNT n40 2462MHz



Control Signal NVNT n40 2462MHz

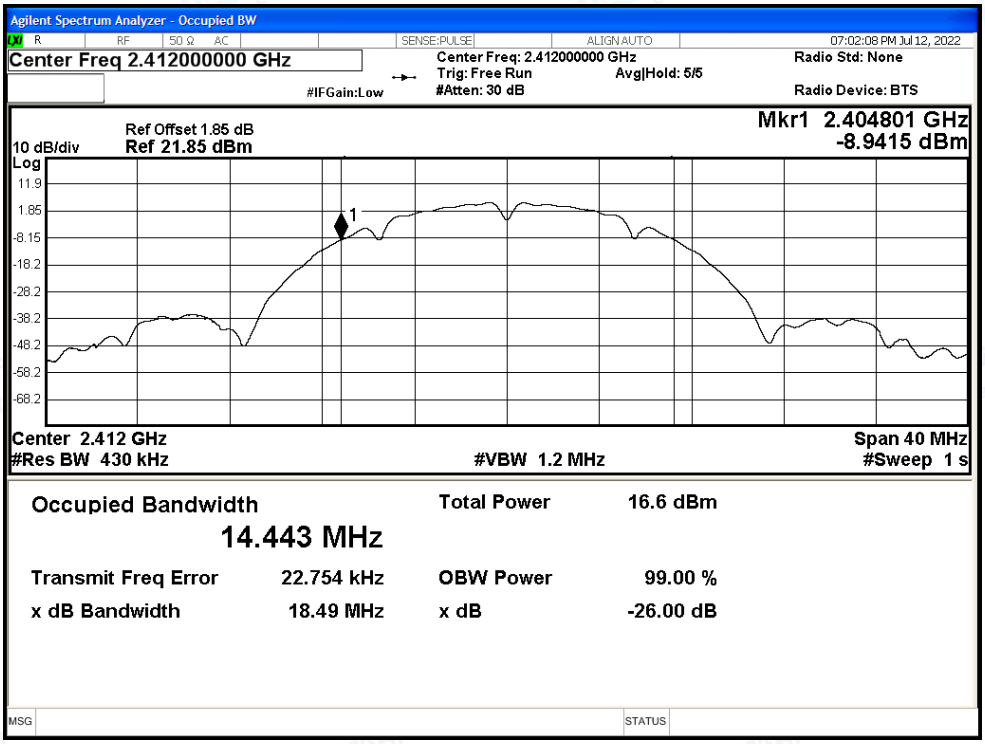


E.4 Occupied Channel Bandwidth

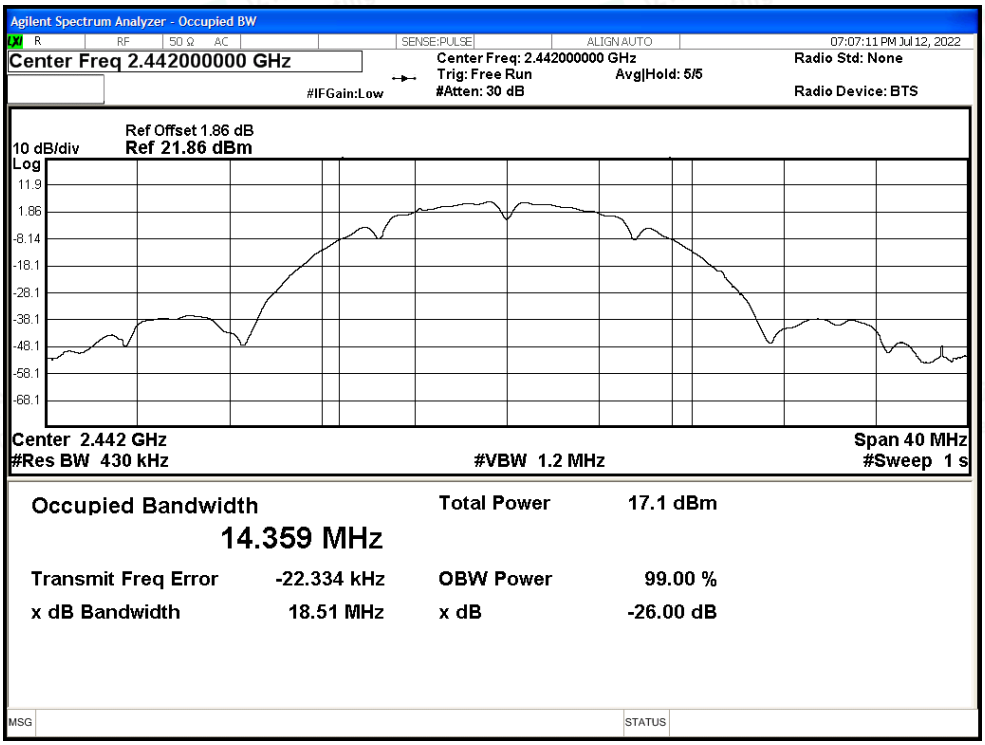
Condition	Mode	Frequency (MHz)	Antenna	Center Frequency (MHz)	OBW (MHz)	Lower Edge (MHz)	Upper Edge (MHz)	Limit OBW (MHz)	Verdict
NVNT	b	2412	Ant0	2412.023	14.443	2404.801	2419.244	2400 - 2483.5MHz	Pass
NVNT	b	2442	Ant0	2441.978	14.359	2434.798	2449.157	2400 - 2483.5MHz	Pass
NVNT	b	2472	Ant0	2471.895	14.276	2464.757	2479.033	2400 - 2483.5MHz	Pass
NVNT	g	2412	Ant0	2412.011	16.479	2403.771	2420.25	2400 - 2483.5MHz	Pass
NVNT	g	2442	Ant0	2441.99	16.496	2433.742	2450.238	2400 - 2483.5MHz	Pass
NVNT	g	2472	Ant0	2471.942	16.465	2463.709	2480.174	2400 - 2483.5MHz	Pass
NVNT	n20	2412	Ant0	2412.018	17.726	2403.156	2420.881	2400 - 2483.5MHz	Pass
NVNT	n20	2442	Ant0	2441.994	17.722	2433.133	2450.855	2400 - 2483.5MHz	Pass
NVNT	n20	2472	Ant0	2471.941	17.68	2463.101	2480.781	2400 - 2483.5MHz	Pass
NVNT	n40	2422	Ant0	2422.105	36.016	2404.098	2440.113	2400 - 2483.5MHz	Pass
NVNT	n40	2442	Ant0	2442.033	35.849	2424.109	2459.958	2400 - 2483.5MHz	Pass
NVNT	n40	2462	Ant0	2461.888	35.839	2443.969	2479.807	2400 - 2483.5MHz	Pass

Test Graphs

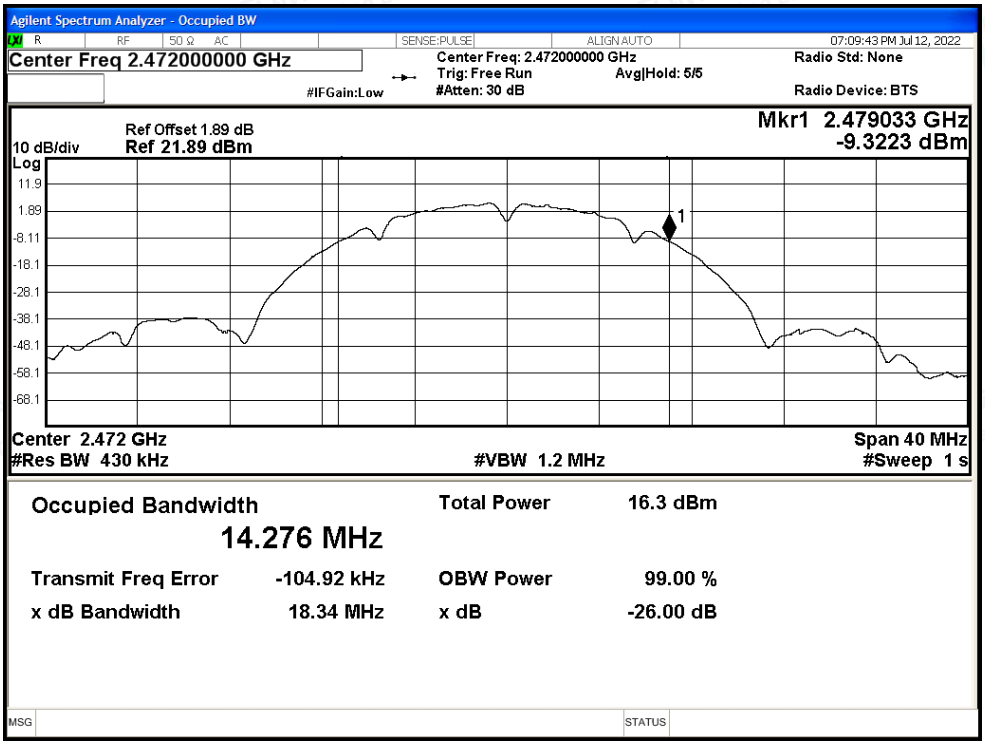
OBW NVNT b 2412MHz Ant0



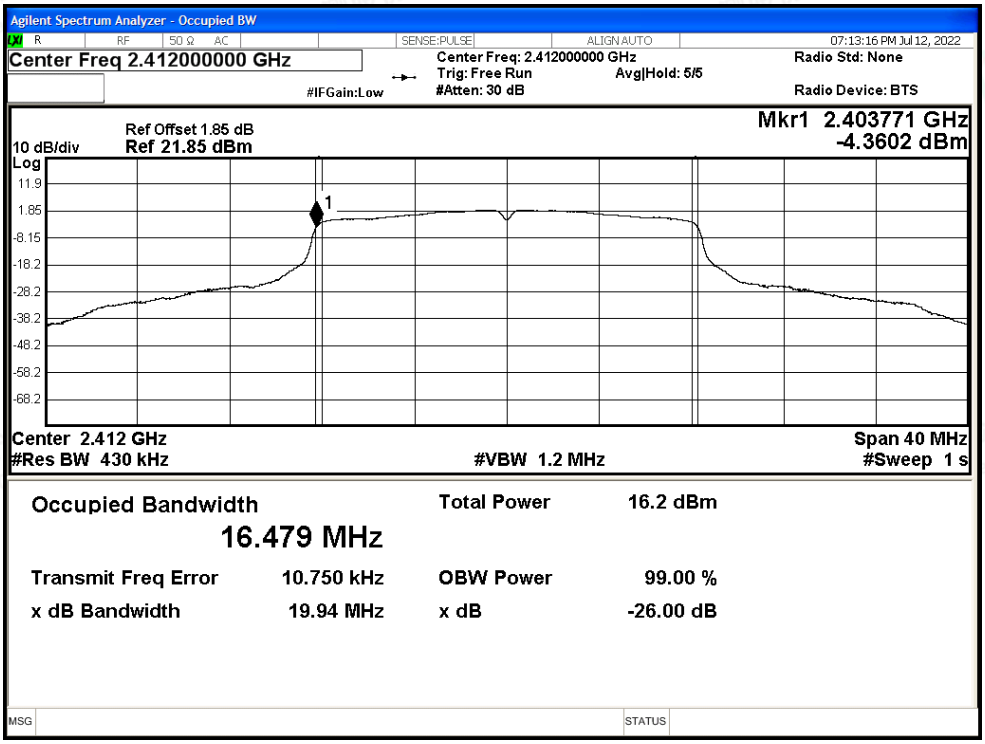
OBW NVNT b 2442MHz Ant0



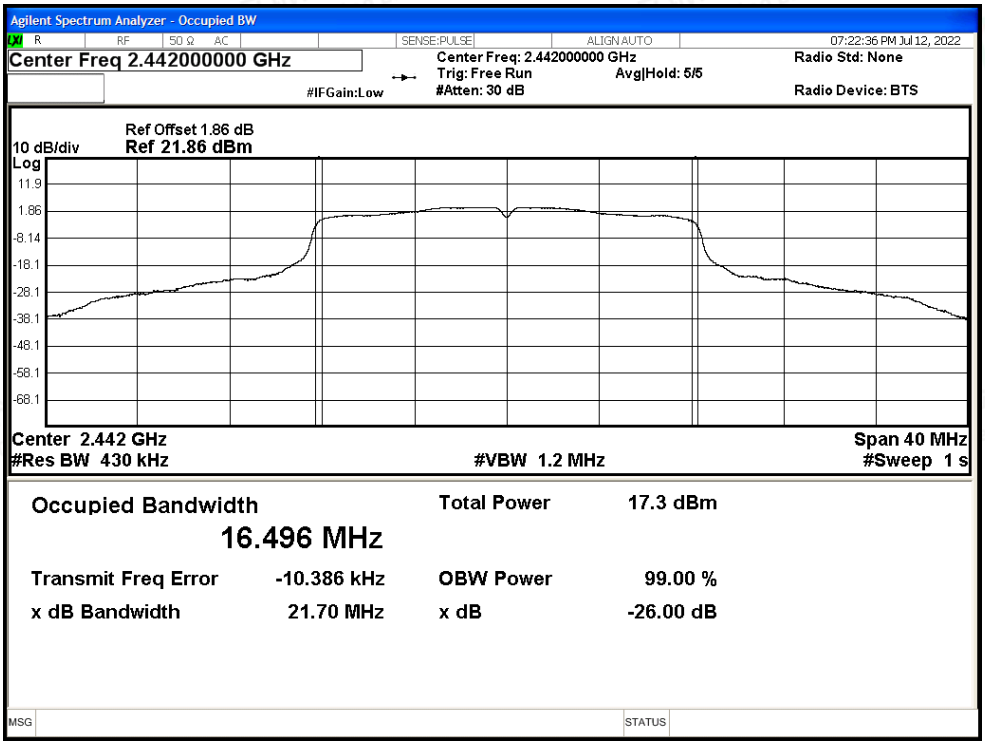
OBW NVNT b 2472MHz Ant0



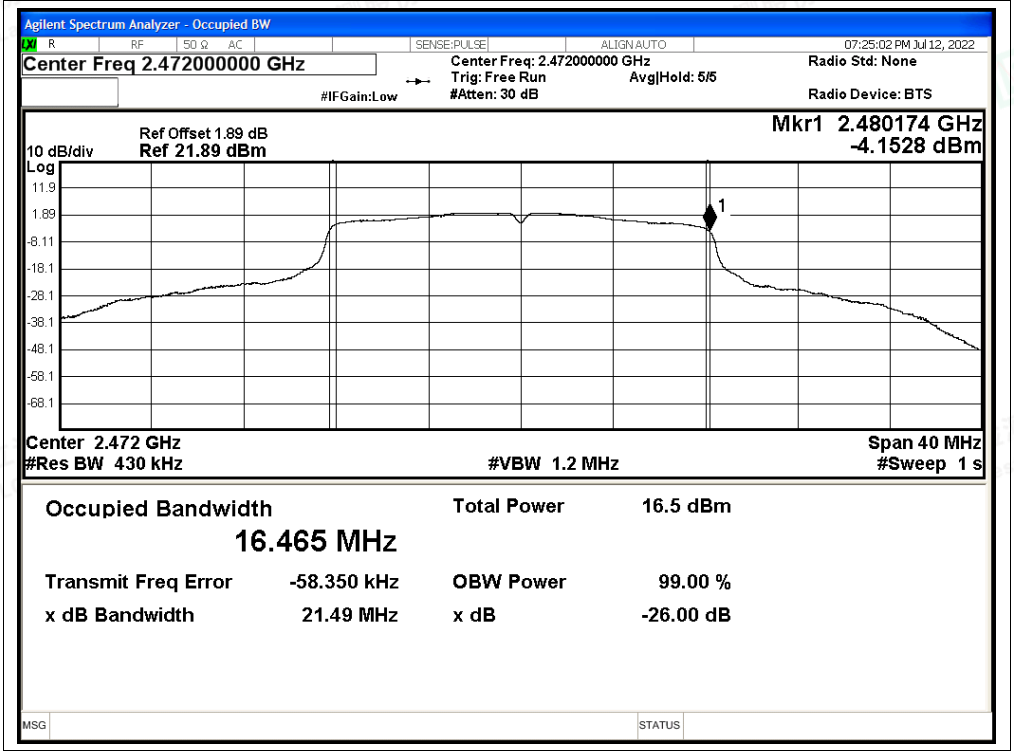
OBW NVNT g 2412MHz Ant0



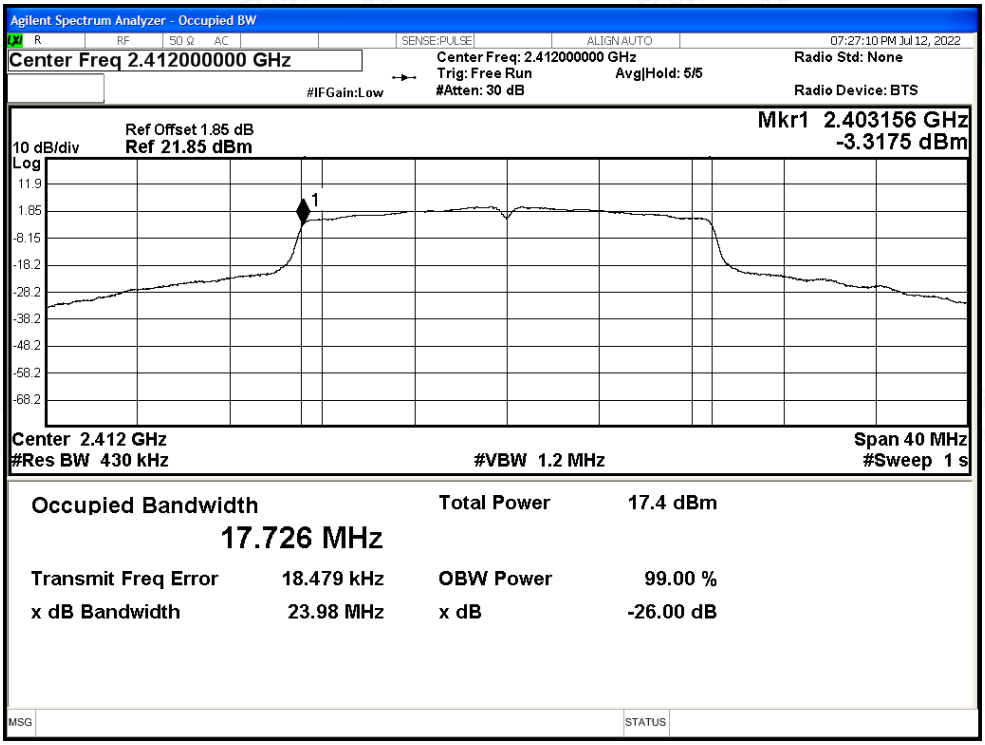
OBW NVNT g 2442MHz Ant0



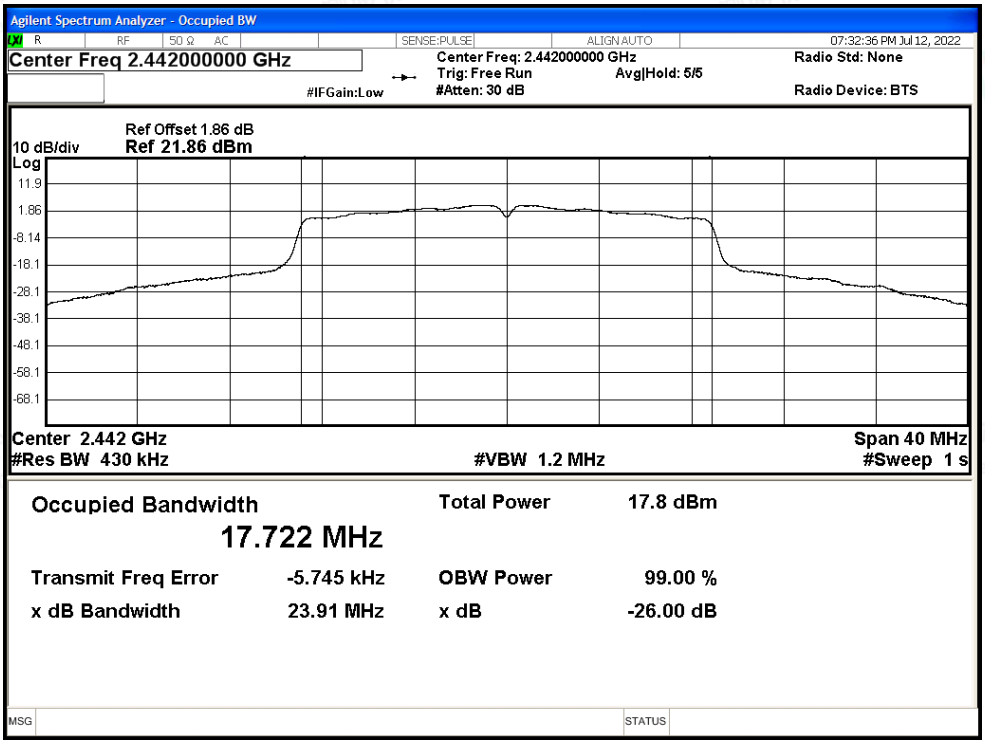
OBW NVNT g 2472MHz Ant0



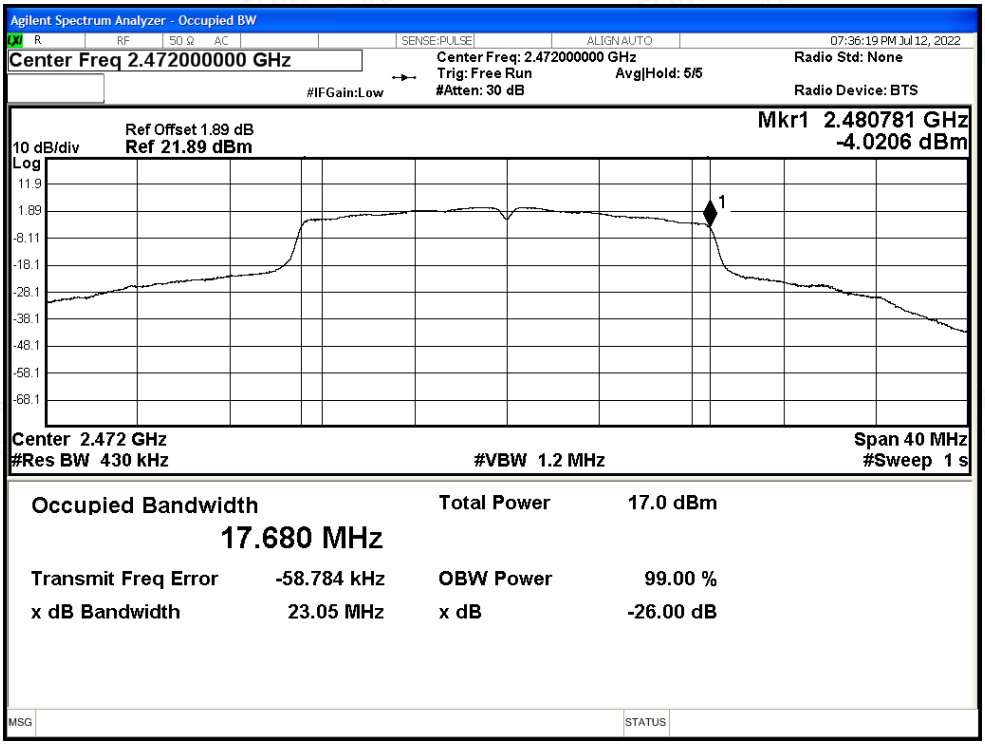
OBW NVNT n20 2412MHz Ant0



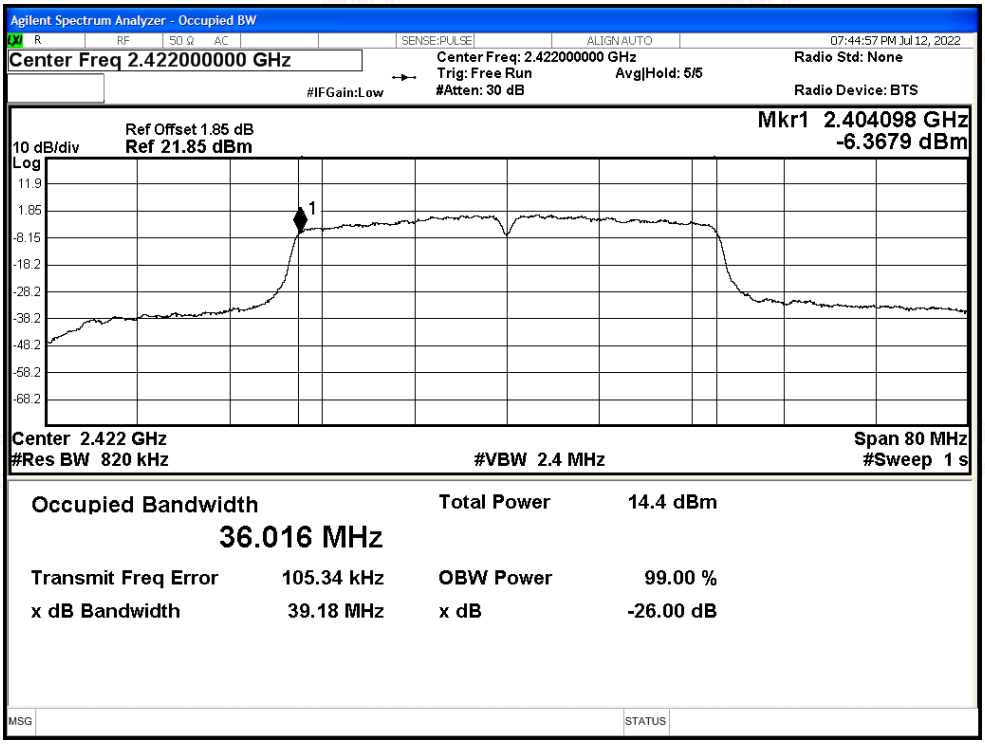
OBW NVNT n20 2442MHz Ant0



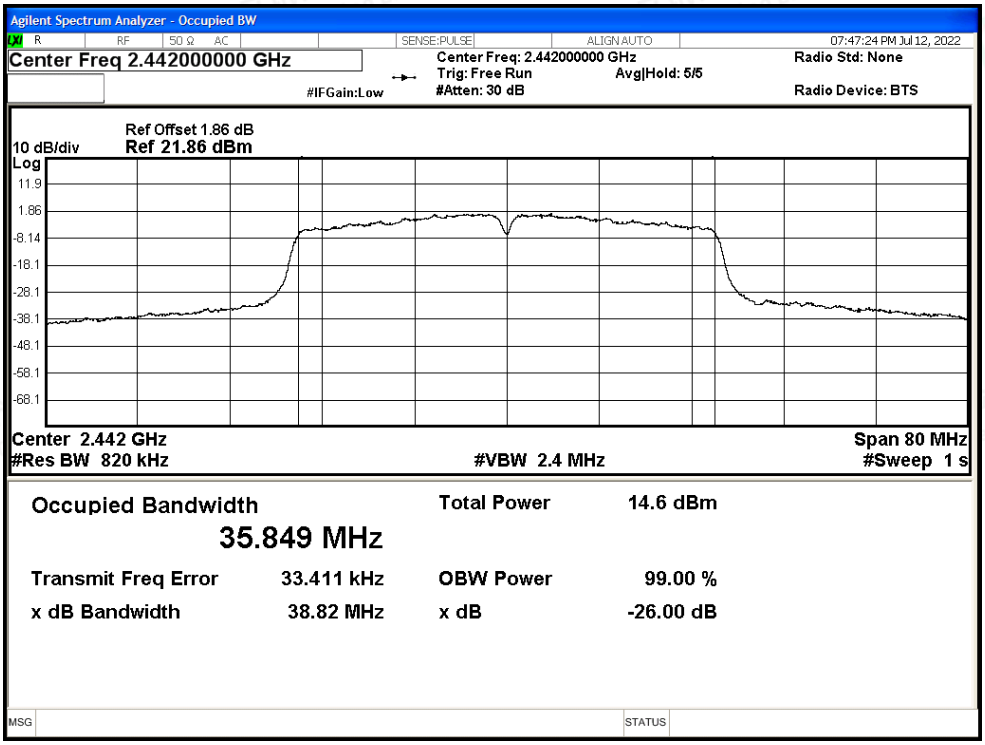
OBW NVNT n20 2472MHz Ant0



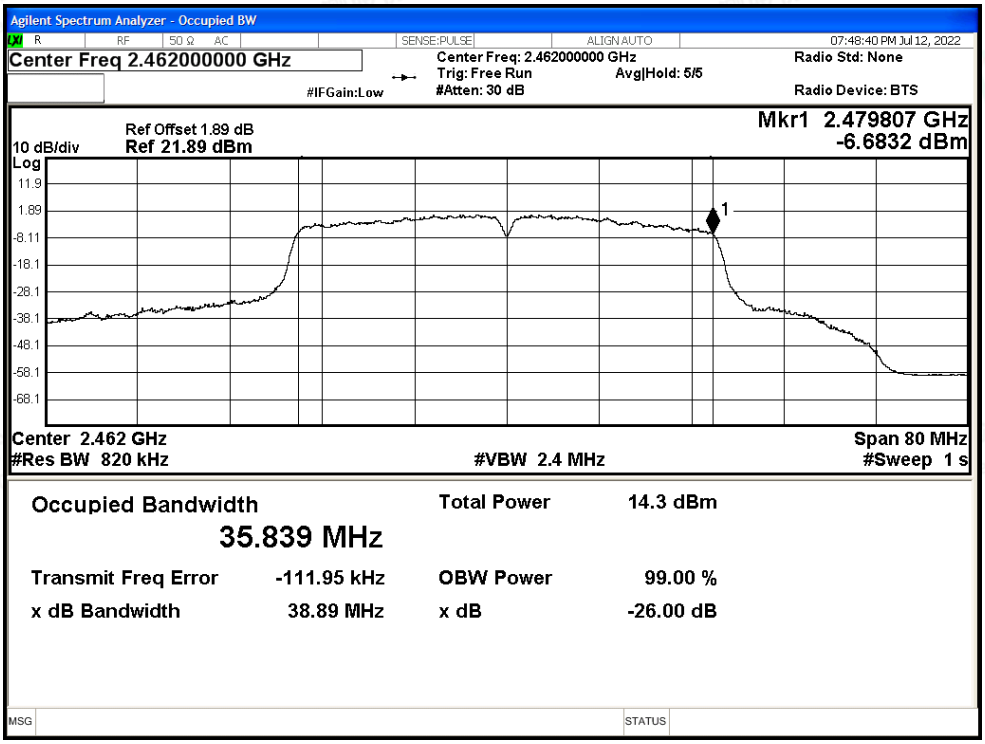
OBW NVNT n40 2422MHz Ant0



OBW NVNT n40 2442MHz Ant0



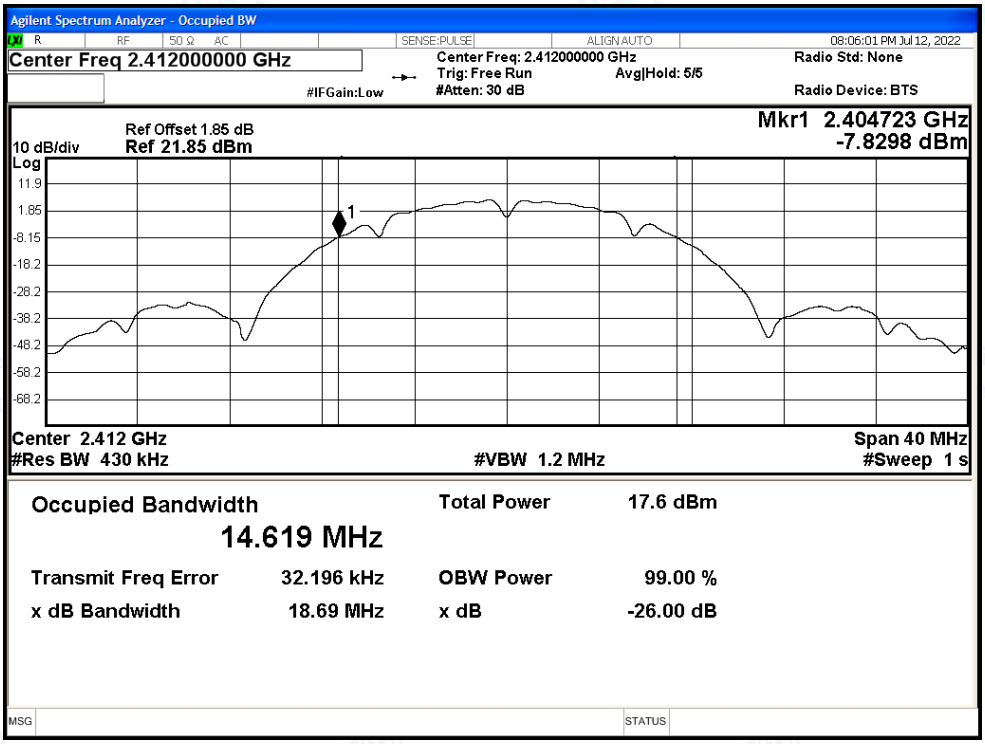
OBW NVNT n40 2462MHz Ant0



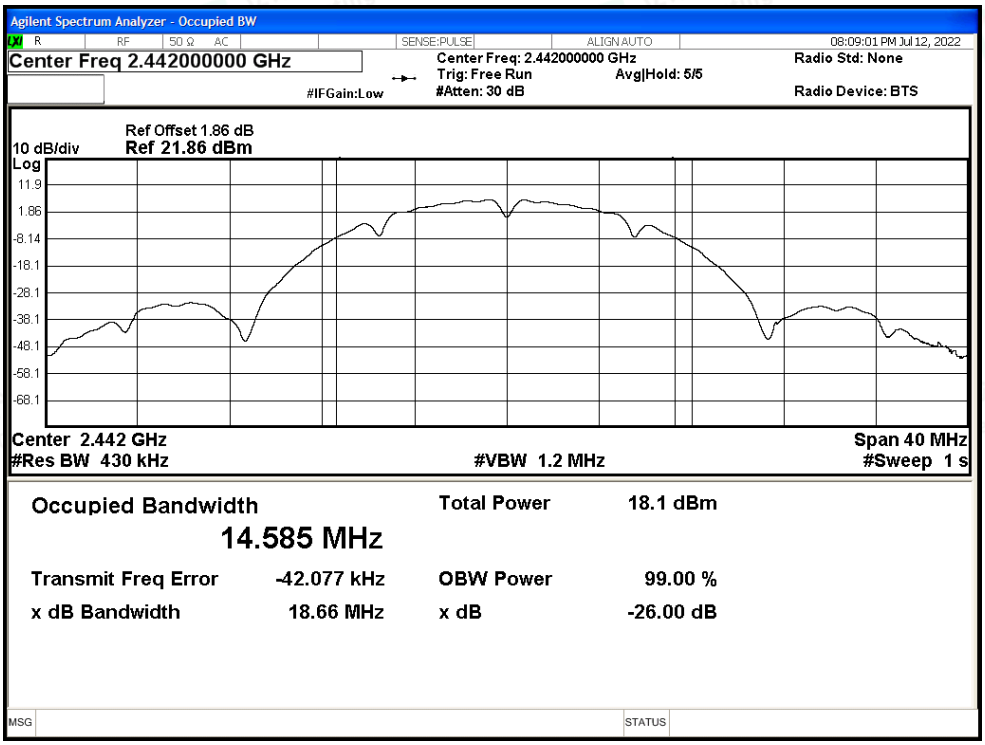
Condition	Mode	Frequency (MHz)	Antenna	Center Frequency (MHz)	OBW (MHz)	Lower Edge (MHz)	Upper Edge (MHz)	Limit OBW (MHz)	Verdict
NVNT	b	2412	Ant1	2412.032	14.619	2404.723	2419.342	2400 - 2483.5MHz	Pass
NVNT	b	2442	Ant1	2441.958	14.585	2434.665	2449.25	2400 - 2483.5MHz	Pass
NVNT	b	2472	Ant1	2471.856	14.5	2464.606	2479.106	2400 - 2483.5MHz	Pass
NVNT	g	2412	Ant1	2412.02	16.531	2403.755	2420.286	2400 - 2483.5MHz	Pass
NVNT	g	2442	Ant1	2441.982	16.513	2433.726	2450.239	2400 - 2483.5MHz	Pass
NVNT	g	2472	Ant1	2471.939	16.493	2463.692	2480.185	2400 - 2483.5MHz	Pass
NVNT	n20	2412	Ant1	2412.031	17.561	2403.251	2420.812	2400 - 2483.5MHz	Pass
NVNT	n20	2442	Ant1	2441.995	17.544	2433.223	2450.767	2400 - 2483.5MHz	Pass
NVNT	n20	2472	Ant1	2471.949	17.502	2463.198	2480.7	2400 - 2483.5MHz	Pass
NVNT	n40	2422	Ant1	2422.111	35.971	2404.126	2440.097	2400 - 2483.5MHz	Pass
NVNT	n40	2442	Ant1	2442.024	35.926	2424.062	2459.987	2400 - 2483.5MHz	Pass
NVNT	n40	2462	Ant1	2461.914	35.828	2444	2479.828	2400 - 2483.5MHz	Pass

Test Graphs

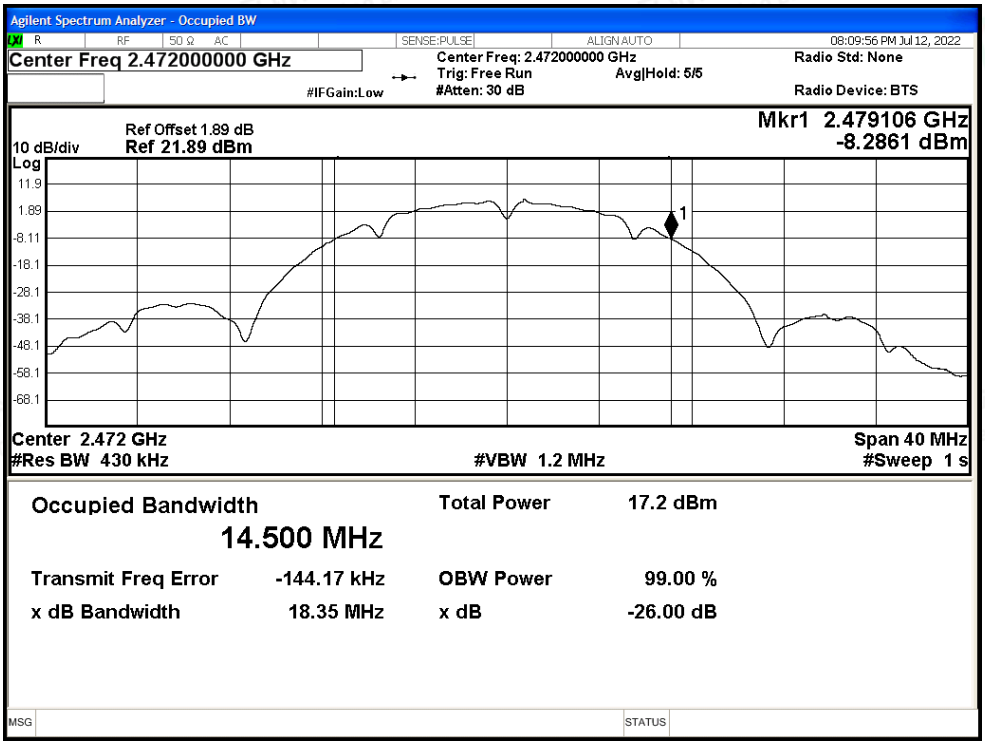
OBW NVNT b 2412MHz Ant1



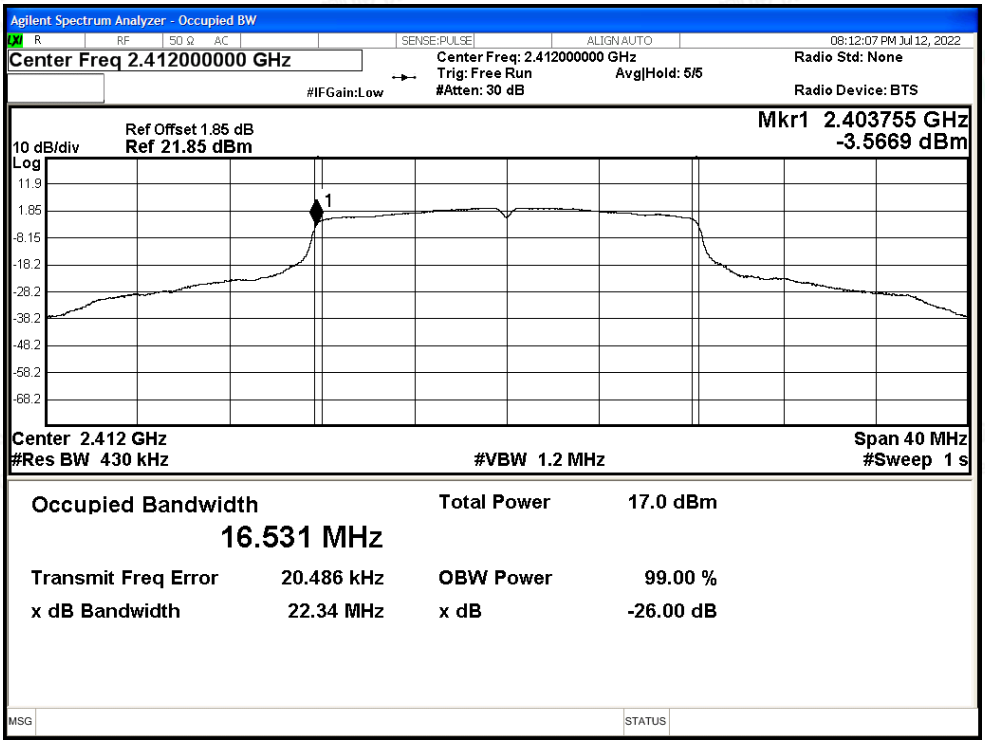
OBW NVNT b 2442MHz Ant1



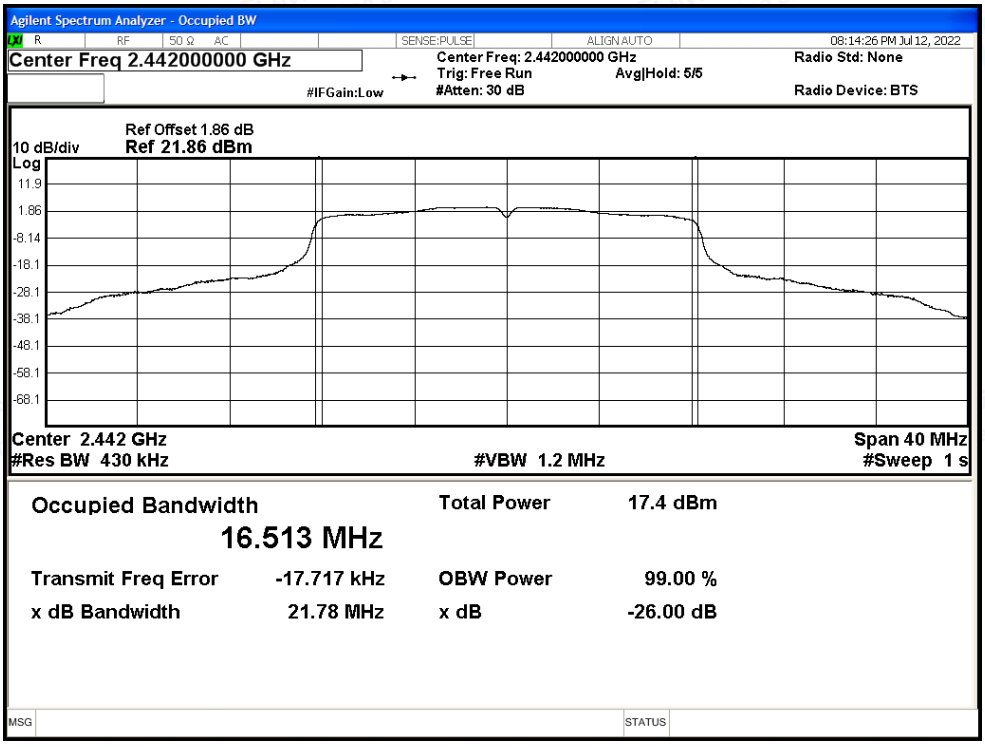
OBW NVNT b 2472MHz Ant1



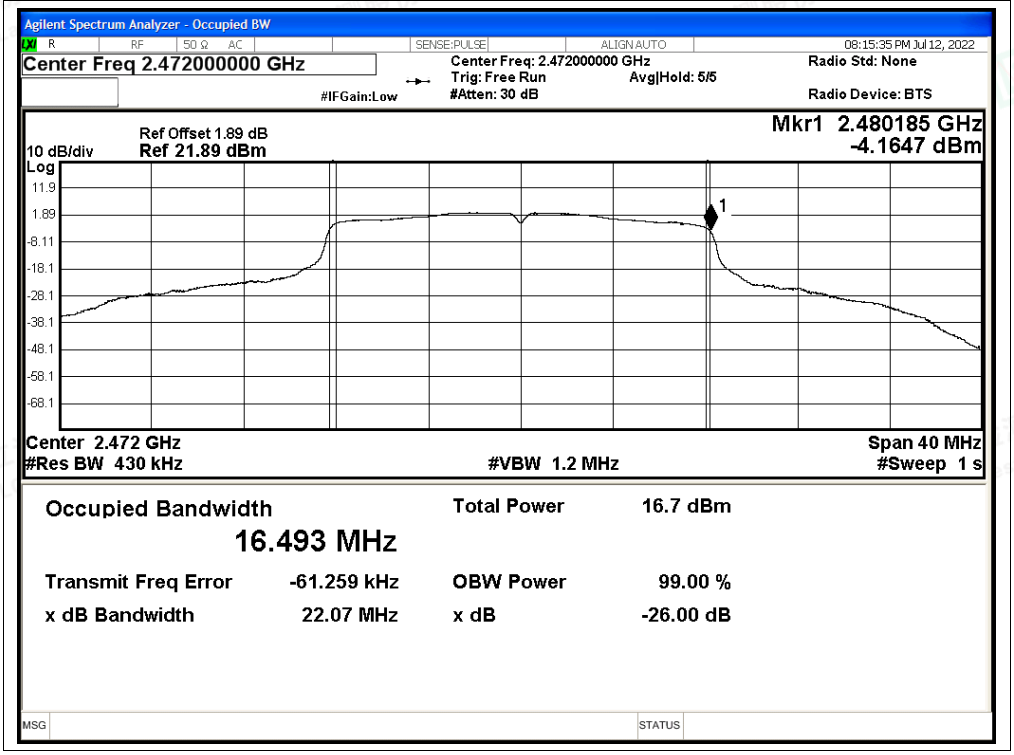
OBW NVNT g 2412MHz Ant1



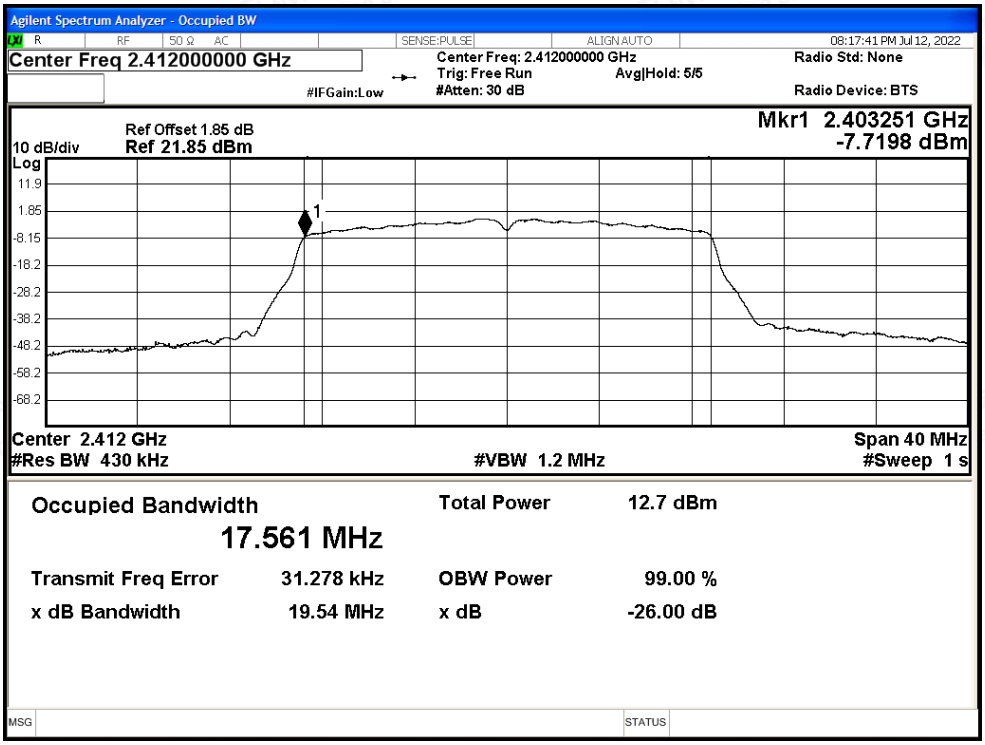
OBW NVNT g 2442MHz Ant1



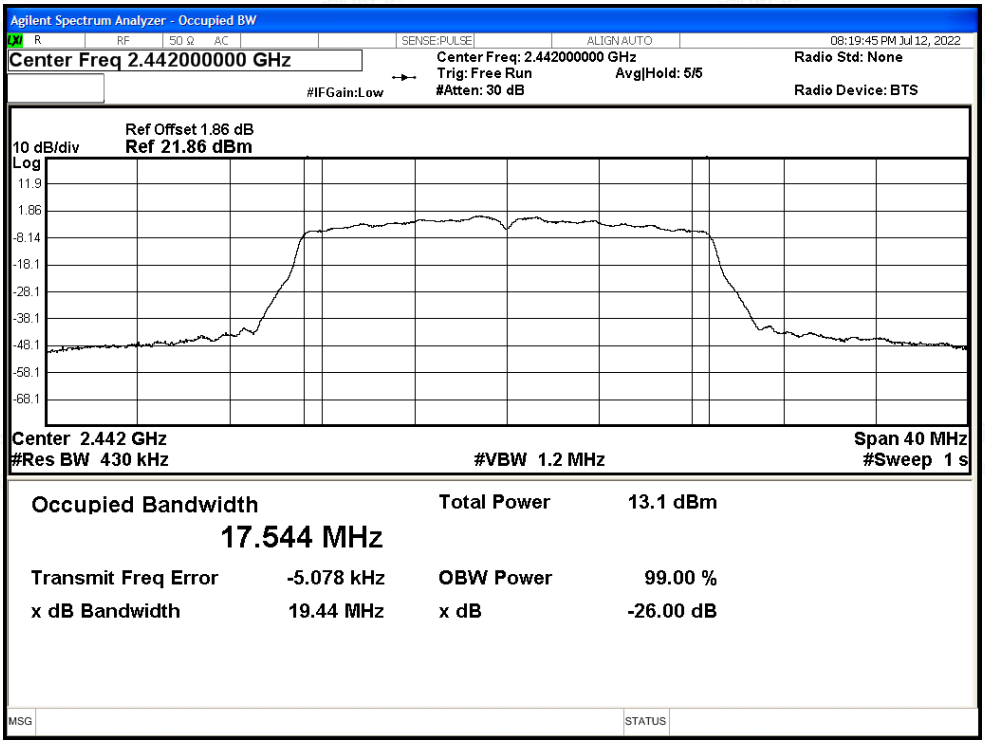
OBW NVNT g 2472MHz Ant1



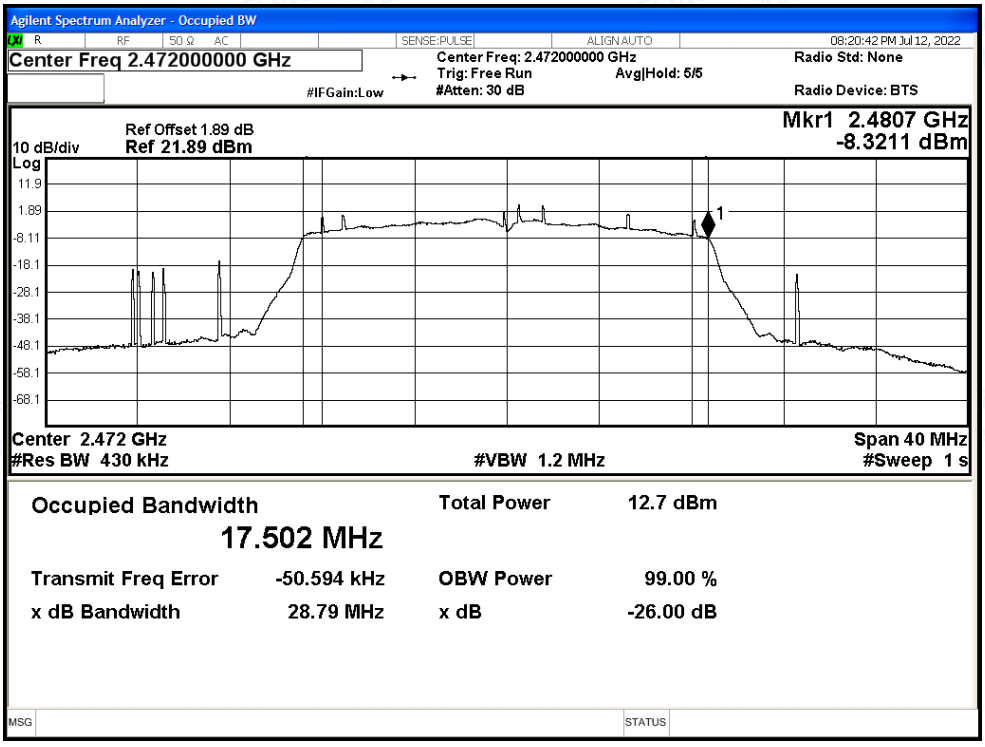
OBW NVNT n20 2412MHz Ant1



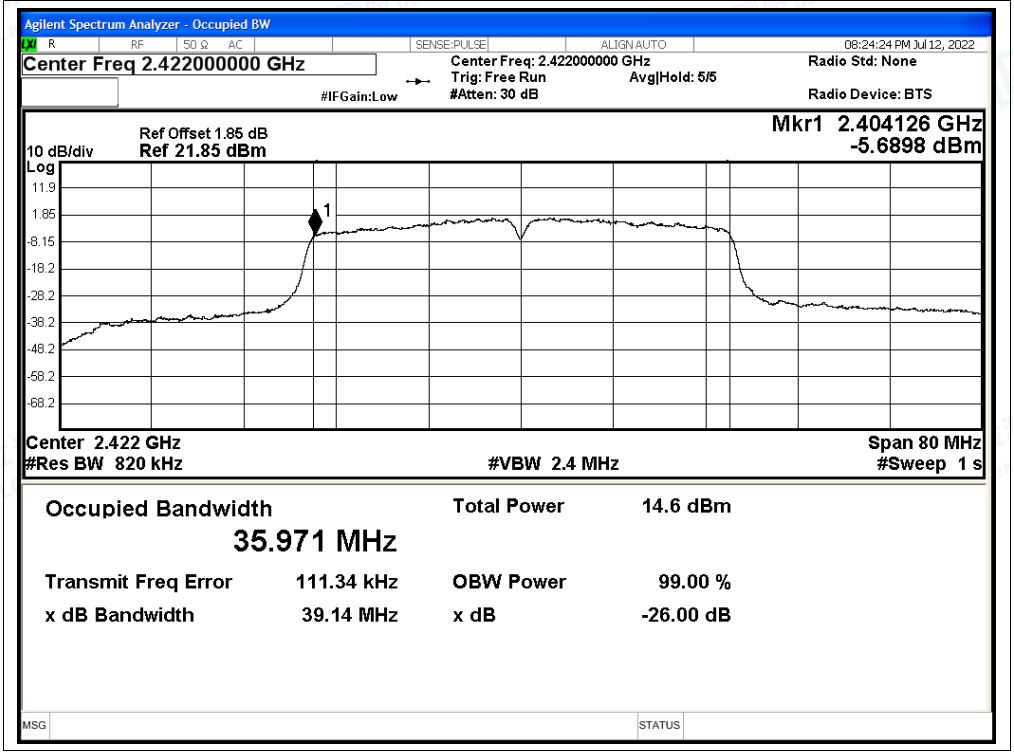
OBW NVNT n20 2442MHz Ant1



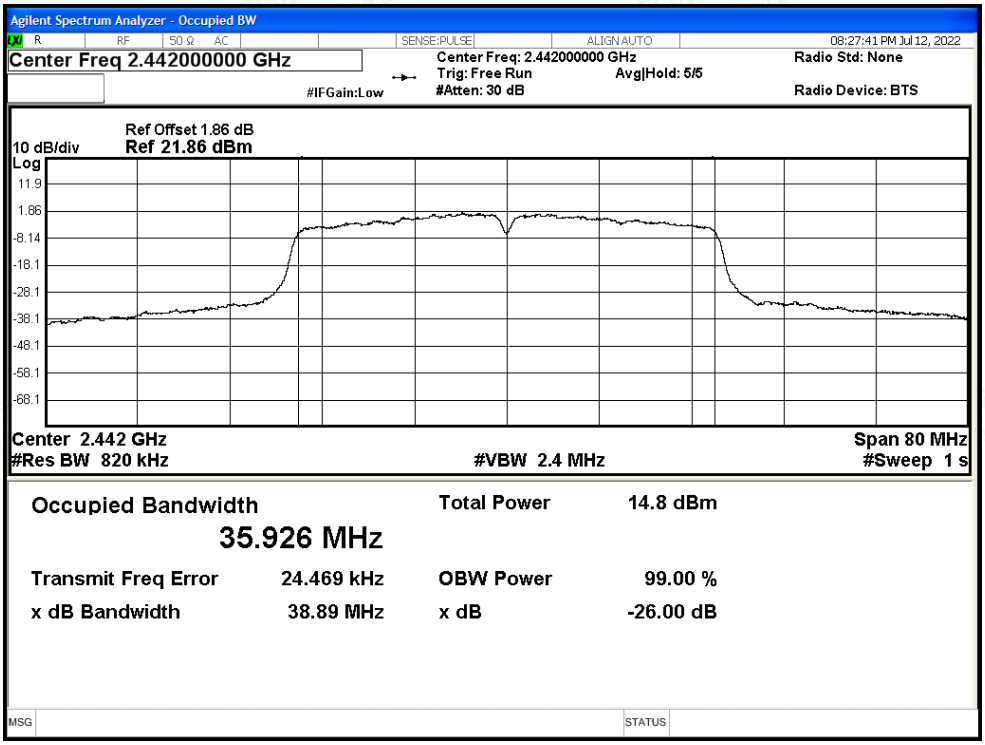
OBW NVNT n20 2472MHz Ant1



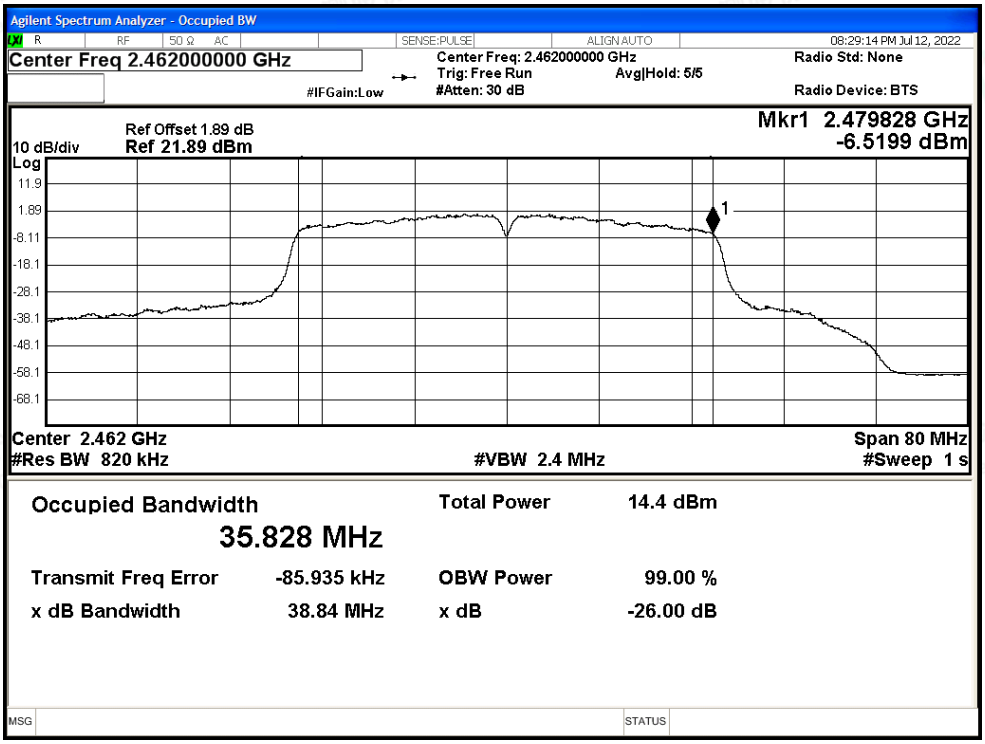
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2442MHz Ant1



OBW NVNT n40 2462MHz Ant1



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

Condition	Mode	Frequency (MHz)	Antenna	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	Ant0	2399.5	-36.27	-10	Pass
NVNT	b	2412	Ant0	2398.5	-34.51	-10	Pass
NVNT	b	2412	Ant0	2397.5	-34.19	-10	Pass
NVNT	b	2412	Ant0	2396.5	-35.64	-10	Pass
NVNT	b	2412	Ant0	2395.5	-40.82	-10	Pass
NVNT	b	2412	Ant0	2394.5	-43.18	-10	Pass
NVNT	b	2412	Ant0	2393.5	-46.54	-10	Pass
NVNT	b	2412	Ant0	2392.5	-49.15	-10	Pass
NVNT	b	2412	Ant0	2391.5	-52	-10	Pass
NVNT	b	2412	Ant0	2390.5	-54.34	-10	Pass
NVNT	b	2412	Ant0	2389.5	-54.99	-10	Pass
NVNT	b	2412	Ant0	2388.5	-54.71	-10	Pass
NVNT	b	2412	Ant0	2387.5	-52.82	-10	Pass
NVNT	b	2412	Ant0	2386.5	-52.49	-10	Pass
NVNT	b	2412	Ant0	2386.057	-52.5	-10	Pass
NVNT	b	2412	Ant0	2385.057	-54.7	-20	Pass
NVNT	b	2412	Ant0	2384.057	-57.33	-20	Pass
NVNT	b	2412	Ant0	2383.057	-59.57	-20	Pass
NVNT	b	2412	Ant0	2382.057	-62.21	-20	Pass
NVNT	b	2412	Ant0	2381.057	-62.29	-20	Pass
NVNT	b	2412	Ant0	2380.057	-63.3	-20	Pass
NVNT	b	2412	Ant0	2379.057	-64.99	-20	Pass
NVNT	b	2412	Ant0	2378.057	-65.76	-20	Pass
NVNT	b	2412	Ant0	2377.057	-66.78	-20	Pass
NVNT	b	2412	Ant0	2376.057	-67.28	-20	Pass
NVNT	b	2412	Ant0	2375.057	-67.35	-20	Pass
NVNT	b	2412	Ant0	2374.057	-67.42	-20	Pass
NVNT	b	2412	Ant0	2373.057	-67.51	-20	Pass
NVNT	b	2412	Ant0	2372.057	-67.4	-20	Pass
NVNT	b	2412	Ant0	2371.614	-67.49	-20	Pass
NVNT	b	2472	Ant0	2484	-42	-10	Pass
NVNT	b	2472	Ant0	2485	-39.11	-10	Pass
NVNT	b	2472	Ant0	2486	-37.65	-10	Pass
NVNT	b	2472	Ant0	2487	-39.53	-10	Pass
NVNT	b	2472	Ant0	2488	-42.96	-10	Pass
NVNT	b	2472	Ant0	2489	-50.23	-10	Pass
NVNT	b	2472	Ant0	2490	-55.78	-10	Pass

NVNT	b	2472	Ant0	2491	-58.63	-10	Pass
NVNT	b	2472	Ant0	2492	-59.19	-10	Pass
NVNT	b	2472	Ant0	2493	-61.89	-10	Pass
NVNT	b	2472	Ant0	2494	-66.28	-10	Pass
NVNT	b	2472	Ant0	2495	-67.11	-10	Pass
NVNT	b	2472	Ant0	2496	-67.08	-10	Pass
NVNT	b	2472	Ant0	2497	-67.07	-10	Pass
NVNT	b	2472	Ant0	2497.276	-67.04	-10	Pass
NVNT	b	2472	Ant0	2498.276	-67.04	-20	Pass
NVNT	b	2472	Ant0	2499.276	-67.12	-20	Pass
NVNT	b	2472	Ant0	2500.276	-67.07	-20	Pass
NVNT	b	2472	Ant0	2501.276	-67.05	-20	Pass
NVNT	b	2472	Ant0	2502.276	-67.12	-20	Pass
NVNT	b	2472	Ant0	2503.276	-67.16	-20	Pass
NVNT	b	2472	Ant0	2504.276	-67.08	-20	Pass
NVNT	b	2472	Ant0	2505.276	-67.18	-20	Pass
NVNT	b	2472	Ant0	2506.276	-67.09	-20	Pass
NVNT	b	2472	Ant0	2507.276	-67.21	-20	Pass
NVNT	b	2472	Ant0	2508.276	-67.07	-20	Pass
NVNT	b	2472	Ant0	2509.276	-67.17	-20	Pass
NVNT	b	2472	Ant0	2510.276	-67.11	-20	Pass
NVNT	b	2472	Ant0	2511.276	-67.11	-20	Pass
NVNT	b	2472	Ant0	2511.552	-67.19	-20	Pass
NVNT	g	2412	Ant0	2399.5	-23.28	-10	Pass
NVNT	g	2412	Ant0	2398.5	-24.75	-10	Pass
NVNT	g	2412	Ant0	2397.5	-26.5	-10	Pass
NVNT	g	2412	Ant0	2396.5	-27.8	-10	Pass
NVNT	g	2412	Ant0	2395.5	-28.64	-10	Pass
NVNT	g	2412	Ant0	2394.5	-30.31	-10	Pass
NVNT	g	2412	Ant0	2393.5	-33.2	-10	Pass
NVNT	g	2412	Ant0	2392.5	-36.11	-10	Pass
NVNT	g	2412	Ant0	2391.5	-38.33	-10	Pass
NVNT	g	2412	Ant0	2390.5	-40.51	-10	Pass
NVNT	g	2412	Ant0	2389.5	-42.78	-10	Pass
NVNT	g	2412	Ant0	2388.5	-45.45	-10	Pass
NVNT	g	2412	Ant0	2387.5	-47.95	-10	Pass
NVNT	g	2412	Ant0	2386.5	-50.06	-10	Pass
NVNT	g	2412	Ant0	2385.5	-50.88	-10	Pass
NVNT	g	2412	Ant0	2384.5	-52.61	-10	Pass
NVNT	g	2412	Ant0	2384.021	-53.92	-10	Pass
NVNT	g	2412	Ant0	2383.021	-55.64	-20	Pass

NVNT	g	2412	Ant0	2382.021	-57.65	-20	Pass
NVNT	g	2412	Ant0	2381.021	-58.77	-20	Pass
NVNT	g	2412	Ant0	2380.021	-60.34	-20	Pass
NVNT	g	2412	Ant0	2379.021	-61.87	-20	Pass
NVNT	g	2412	Ant0	2378.021	-63.63	-20	Pass
NVNT	g	2412	Ant0	2377.021	-65.74	-20	Pass
NVNT	g	2412	Ant0	2376.021	-67.25	-20	Pass
NVNT	g	2412	Ant0	2375.021	-67.53	-20	Pass
NVNT	g	2412	Ant0	2374.021	-67.61	-20	Pass
NVNT	g	2412	Ant0	2373.021	-67.57	-20	Pass
NVNT	g	2412	Ant0	2372.021	-67.65	-20	Pass
NVNT	g	2412	Ant0	2371.021	-67.62	-20	Pass
NVNT	g	2412	Ant0	2370.021	-67.64	-20	Pass
NVNT	g	2412	Ant0	2369.021	-67.63	-20	Pass
NVNT	g	2412	Ant0	2368.021	-67.64	-20	Pass
NVNT	g	2412	Ant0	2367.542	-67.71	-20	Pass
NVNT	g	2472	Ant0	2484	-21.89	-10	Pass
NVNT	g	2472	Ant0	2485	-23.74	-10	Pass
NVNT	g	2472	Ant0	2486	-25.55	-10	Pass
NVNT	g	2472	Ant0	2487	-26.9	-10	Pass
NVNT	g	2472	Ant0	2488	-29.11	-10	Pass
NVNT	g	2472	Ant0	2489	-31.47	-10	Pass
NVNT	g	2472	Ant0	2490	-35.65	-10	Pass
NVNT	g	2472	Ant0	2491	-40.07	-10	Pass
NVNT	g	2472	Ant0	2492	-44.59	-10	Pass
NVNT	g	2472	Ant0	2493	-49.59	-10	Pass
NVNT	g	2472	Ant0	2494	-56.88	-10	Pass
NVNT	g	2472	Ant0	2495	-63.94	-10	Pass
NVNT	g	2472	Ant0	2496	-66.71	-10	Pass
NVNT	g	2472	Ant0	2497	-67.03	-10	Pass
NVNT	g	2472	Ant0	2498	-67.32	-10	Pass
NVNT	g	2472	Ant0	2499	-67.19	-10	Pass
NVNT	g	2472	Ant0	2499.465	-67.05	-10	Pass
NVNT	g	2472	Ant0	2500.465	-67.14	-20	Pass
NVNT	g	2472	Ant0	2501.465	-67.11	-20	Pass
NVNT	g	2472	Ant0	2502.465	-67.21	-20	Pass
NVNT	g	2472	Ant0	2503.465	-66.91	-20	Pass
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NVNT	g	2472	Ant0	2506.465	-67.08	-20	Pass
NVNT	g	2472	Ant0	2507.465	-67.13	-20	Pass

NVNT	g	2472	Ant0	2508.465	-67.06	-20	Pass
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NVNT	g	2472	Ant0	2510.465	-67.1	-20	Pass
NVNT	g	2472	Ant0	2511.465	-67.02	-20	Pass
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NVNT	n20	2412	Ant0	2394.5	-26.24	-10	Pass
NVNT	n20	2412	Ant0	2393.5	-27.61	-10	Pass
NVNT	n20	2412	Ant0	2392.5	-29.14	-10	Pass
NVNT	n20	2412	Ant0	2391.5	-31.01	-10	Pass
NVNT	n20	2412	Ant0	2390.5	-32.46	-10	Pass
NVNT	n20	2412	Ant0	2389.5	-35.69	-10	Pass
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NVNT	n20	2412	Ant0	2387.5	-39.62	-10	Pass
NVNT	n20	2412	Ant0	2386.5	-43.72	-10	Pass
NVNT	n20	2412	Ant0	2385.5	-46.15	-10	Pass
NVNT	n20	2412	Ant0	2384.5	-48.6	-10	Pass
NVNT	n20	2412	Ant0	2383.5	-50.73	-10	Pass
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NVNT	n20	2412	Ant0	2379.774	-59.26	-20	Pass
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NVNT	n20	2412	Ant0	2377.774	-63.34	-20	Pass
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NVNT	n20	2412	Ant0	2374.774	-67.39	-20	Pass
NVNT	n20	2412	Ant0	2373.774	-67.15	-20	Pass
NVNT	n20	2412	Ant0	2372.774	-67.32	-20	Pass
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NVNT	n20	2472	Ant0	2502.68	-67.08	-20	Pass
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NVNT	n20	2472	Ant0	2504.68	-67.08	-20	Pass
NVNT	n20	2472	Ant0	2505.68	-66.85	-20	Pass
NVNT	n20	2472	Ant0	2506.68	-67.02	-20	Pass
NVNT	n20	2472	Ant0	2507.68	-66.92	-20	Pass
NVNT	n20	2472	Ant0	2508.68	-67.13	-20	Pass
NVNT	n20	2472	Ant0	2509.68	-66.89	-20	Pass
NVNT	n20	2472	Ant0	2510.68	-67	-20	Pass
NVNT	n20	2472	Ant0	2511.68	-66.9	-20	Pass
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NVNT	n20	2472	Ant0	2513.68	-66.99	-20	Pass
NVNT	n20	2472	Ant0	2514.68	-66.93	-20	Pass
NVNT	n20	2472	Ant0	2515.68	-67.09	-20	Pass
NVNT	n20	2472	Ant0	2516.68	-66.86	-20	Pass
NVNT	n20	2472	Ant0	2517.68	-66.89	-20	Pass
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NVNT	n40	2422	Ant0	2399.5	-30.97	-10	Pass

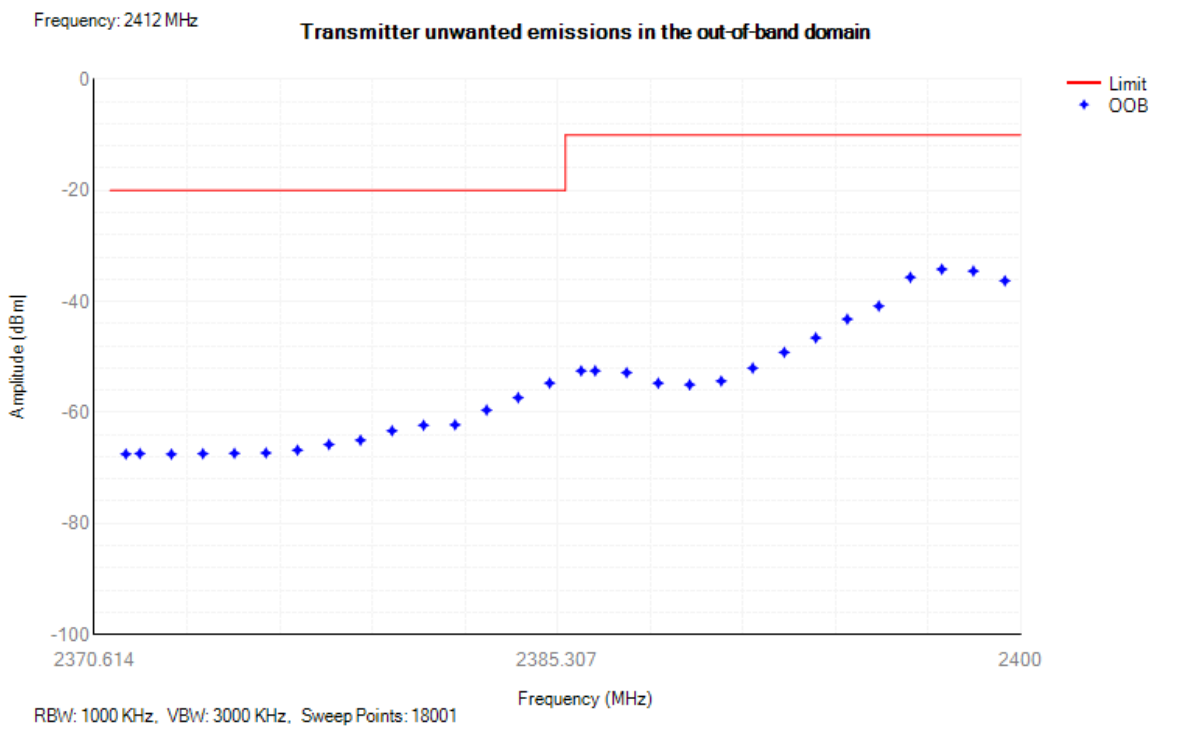
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NVNT	n40	2422	Ant0	2388.5	-33.81	-10	Pass
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NVNT	n40	2422	Ant0	2386.5	-35.86	-10	Pass
NVNT	n40	2422	Ant0	2385.5	-35.85	-10	Pass
NVNT	n40	2422	Ant0	2384.5	-39.5	-10	Pass
NVNT	n40	2422	Ant0	2383.5	-40.65	-10	Pass
NVNT	n40	2422	Ant0	2382.5	-42.15	-10	Pass
NVNT	n40	2422	Ant0	2381.5	-45.71	-10	Pass
NVNT	n40	2422	Ant0	2380.5	-47.35	-10	Pass
NVNT	n40	2422	Ant0	2379.5	-50.5	-10	Pass
NVNT	n40	2422	Ant0	2378.5	-53.58	-10	Pass
NVNT	n40	2422	Ant0	2377.5	-58.24	-10	Pass
NVNT	n40	2422	Ant0	2376.5	-62.54	-10	Pass
NVNT	n40	2422	Ant0	2375.5	-66.83	-10	Pass
NVNT	n40	2422	Ant0	2374.5	-67.76	-10	Pass
NVNT	n40	2422	Ant0	2373.5	-68.22	-10	Pass
NVNT	n40	2422	Ant0	2372.5	-67.73	-10	Pass
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NVNT	n40	2422	Ant0	2370.5	-67.93	-10	Pass
NVNT	n40	2422	Ant0	2369.5	-68.51	-10	Pass
NVNT	n40	2422	Ant0	2368.5	-67.93	-10	Pass
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NVNT	n40	2422	Ant0	2365.5	-68.17	-10	Pass
NVNT	n40	2422	Ant0	2364.5	-67.97	-10	Pass
NVNT	n40	2422	Ant0	2364.484	-68.1	-10	Pass
NVNT	n40	2422	Ant0	2363.484	-67.91	-20	Pass
NVNT	n40	2422	Ant0	2362.484	-68.12	-20	Pass
NVNT	n40	2422	Ant0	2361.484	-67.92	-20	Pass
NVNT	n40	2422	Ant0	2360.484	-68.32	-20	Pass
NVNT	n40	2422	Ant0	2359.484	-68.03	-20	Pass

NVNT	n40	2422	Ant0	2358.484	-67.81	-20	Pass
NVNT	n40	2422	Ant0	2357.484	-67.36	-20	Pass
NVNT	n40	2422	Ant0	2356.484	-68.1	-20	Pass
NVNT	n40	2422	Ant0	2355.484	-67.68	-20	Pass
NVNT	n40	2422	Ant0	2354.484	-68.43	-20	Pass
NVNT	n40	2422	Ant0	2353.484	-68.21	-20	Pass
NVNT	n40	2422	Ant0	2352.484	-68.14	-20	Pass
NVNT	n40	2422	Ant0	2351.484	-67.48	-20	Pass
NVNT	n40	2422	Ant0	2350.484	-68.08	-20	Pass
NVNT	n40	2422	Ant0	2349.484	-67.78	-20	Pass
NVNT	n40	2422	Ant0	2348.484	-67.94	-20	Pass
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NVNT	n40	2422	Ant0	2346.484	-68.36	-20	Pass
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NVNT	n40	2422	Ant0	2344.484	-68.23	-20	Pass
NVNT	n40	2422	Ant0	2343.484	-67.28	-20	Pass
NVNT	n40	2422	Ant0	2342.484	-68.42	-20	Pass
NVNT	n40	2422	Ant0	2341.484	-68.88	-20	Pass
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NVNT	n40	2422	Ant0	2338.484	-68.57	-20	Pass
NVNT	n40	2422	Ant0	2337.484	-68.75	-20	Pass
NVNT	n40	2422	Ant0	2336.484	-68.04	-20	Pass
NVNT	n40	2422	Ant0	2335.484	-68.06	-20	Pass
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NVNT	n40	2422	Ant0	2330.484	-67.88	-20	Pass
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NVNT	n40	2462	Ant0	2484	-31.14	-10	Pass
NVNT	n40	2462	Ant0	2485	-30.18	-10	Pass
NVNT	n40	2462	Ant0	2486	-31.13	-10	Pass
NVNT	n40	2462	Ant0	2487	-33.11	-10	Pass
NVNT	n40	2462	Ant0	2488	-33.32	-10	Pass
NVNT	n40	2462	Ant0	2489	-35.14	-10	Pass
NVNT	n40	2462	Ant0	2490	-37.76	-10	Pass
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NVNT	n40	2462	Ant0	2492	-40.94	-10	Pass

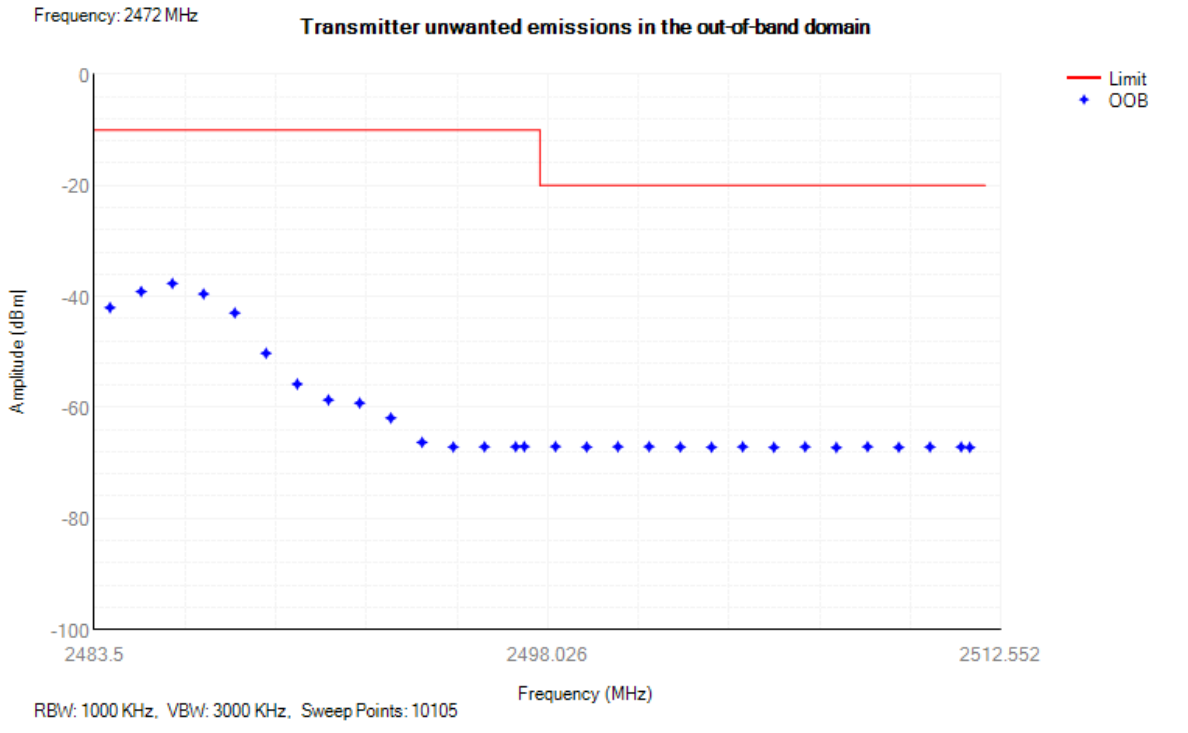
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NVNT	n40	2462	Ant0	2498	-67.4	-10	Pass
NVNT	n40	2462	Ant0	2499	-67.5	-10	Pass
NVNT	n40	2462	Ant0	2500	-67.32	-10	Pass
NVNT	n40	2462	Ant0	2501	-67.84	-10	Pass
NVNT	n40	2462	Ant0	2502	-67.5	-10	Pass
NVNT	n40	2462	Ant0	2503	-67.37	-10	Pass
NVNT	n40	2462	Ant0	2504	-67.53	-10	Pass
NVNT	n40	2462	Ant0	2505	-67.72	-10	Pass
NVNT	n40	2462	Ant0	2506	-67.52	-10	Pass
NVNT	n40	2462	Ant0	2507	-67.24	-10	Pass
NVNT	n40	2462	Ant0	2508	-67.52	-10	Pass
NVNT	n40	2462	Ant0	2509	-67.68	-10	Pass
NVNT	n40	2462	Ant0	2510	-67.44	-10	Pass
NVNT	n40	2462	Ant0	2511	-67.56	-10	Pass
NVNT	n40	2462	Ant0	2512	-67.75	-10	Pass
NVNT	n40	2462	Ant0	2513	-66.99	-10	Pass
NVNT	n40	2462	Ant0	2514	-67.49	-10	Pass
NVNT	n40	2462	Ant0	2515	-67.33	-10	Pass
NVNT	n40	2462	Ant0	2516	-67.28	-10	Pass
NVNT	n40	2462	Ant0	2517	-67.18	-10	Pass
NVNT	n40	2462	Ant0	2518	-67.43	-10	Pass
NVNT	n40	2462	Ant0	2518.839	-67.8	-10	Pass
NVNT	n40	2462	Ant0	2519.839	-67.42	-20	Pass
NVNT	n40	2462	Ant0	2520.839	-67.37	-20	Pass
NVNT	n40	2462	Ant0	2521.839	-67.83	-20	Pass
NVNT	n40	2462	Ant0	2522.839	-67.42	-20	Pass
NVNT	n40	2462	Ant0	2523.839	-67.42	-20	Pass
NVNT	n40	2462	Ant0	2524.839	-67.28	-20	Pass
NVNT	n40	2462	Ant0	2525.839	-67.28	-20	Pass
NVNT	n40	2462	Ant0	2526.839	-67.56	-20	Pass
NVNT	n40	2462	Ant0	2527.839	-67.32	-20	Pass
NVNT	n40	2462	Ant0	2528.839	-67.67	-20	Pass
NVNT	n40	2462	Ant0	2529.839	-67.31	-20	Pass
NVNT	n40	2462	Ant0	2530.839	-67.44	-20	Pass
NVNT	n40	2462	Ant0	2531.839	-67.41	-20	Pass
NVNT	n40	2462	Ant0	2532.839	-67.48	-20	Pass

NVNT	n40	2462	Ant0	2533.839	-67.22	-20	Pass
NVNT	n40	2462	Ant0	2534.839	-67.27	-20	Pass
NVNT	n40	2462	Ant0	2535.839	-67.43	-20	Pass
NVNT	n40	2462	Ant0	2536.839	-67.5	-20	Pass
NVNT	n40	2462	Ant0	2537.839	-67.5	-20	Pass
NVNT	n40	2462	Ant0	2538.839	-67.35	-20	Pass
NVNT	n40	2462	Ant0	2539.839	-67.32	-20	Pass
NVNT	n40	2462	Ant0	2540.839	-67.52	-20	Pass
NVNT	n40	2462	Ant0	2541.839	-67.47	-20	Pass
NVNT	n40	2462	Ant0	2542.839	-67.73	-20	Pass
NVNT	n40	2462	Ant0	2543.839	-67.68	-20	Pass
NVNT	n40	2462	Ant0	2544.839	-67.5	-20	Pass
NVNT	n40	2462	Ant0	2545.839	-67.55	-20	Pass
NVNT	n40	2462	Ant0	2546.839	-67.73	-20	Pass
NVNT	n40	2462	Ant0	2547.839	-67.4	-20	Pass
NVNT	n40	2462	Ant0	2548.839	-67.79	-20	Pass
NVNT	n40	2462	Ant0	2549.839	-67.64	-20	Pass
NVNT	n40	2462	Ant0	2550.839	-67.44	-20	Pass
NVNT	n40	2462	Ant0	2551.839	-67.28	-20	Pass
NVNT	n40	2462	Ant0	2552.839	-67.56	-20	Pass
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NVNT	n40	2462	Ant0	2554.678	-67.64	-20	Pass

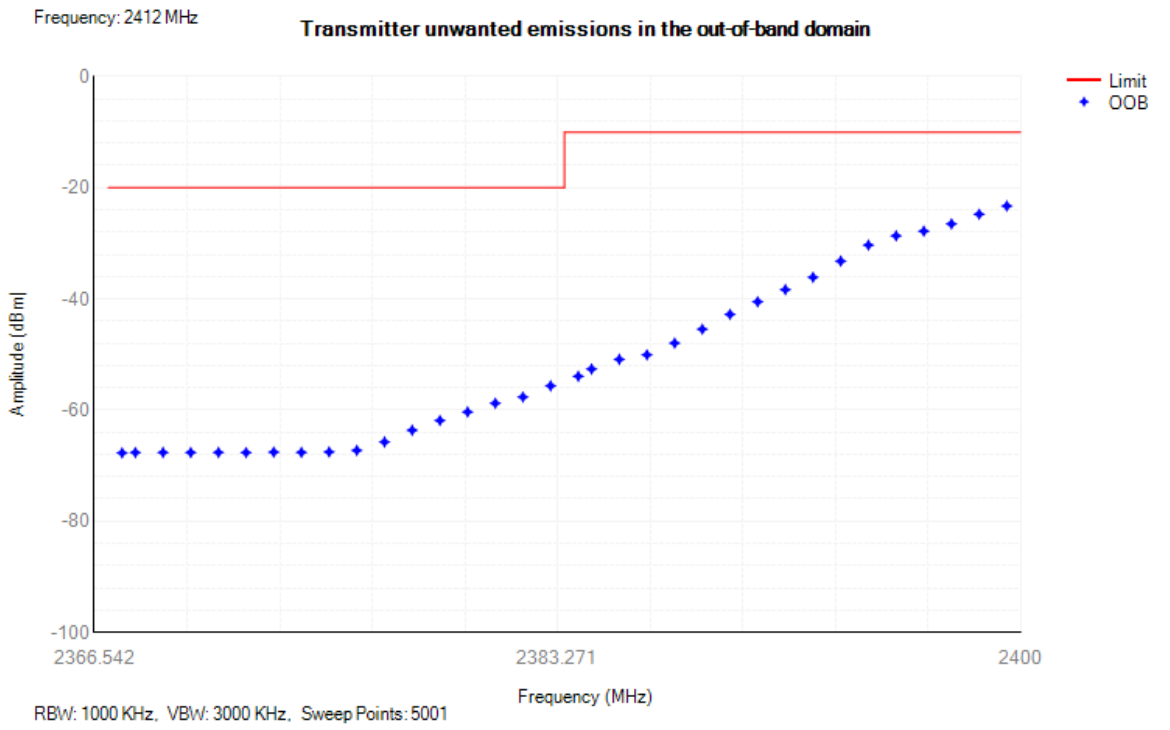
Test Graphs
Tx. Emissions OOB NVNT b 2412MHz Ant0



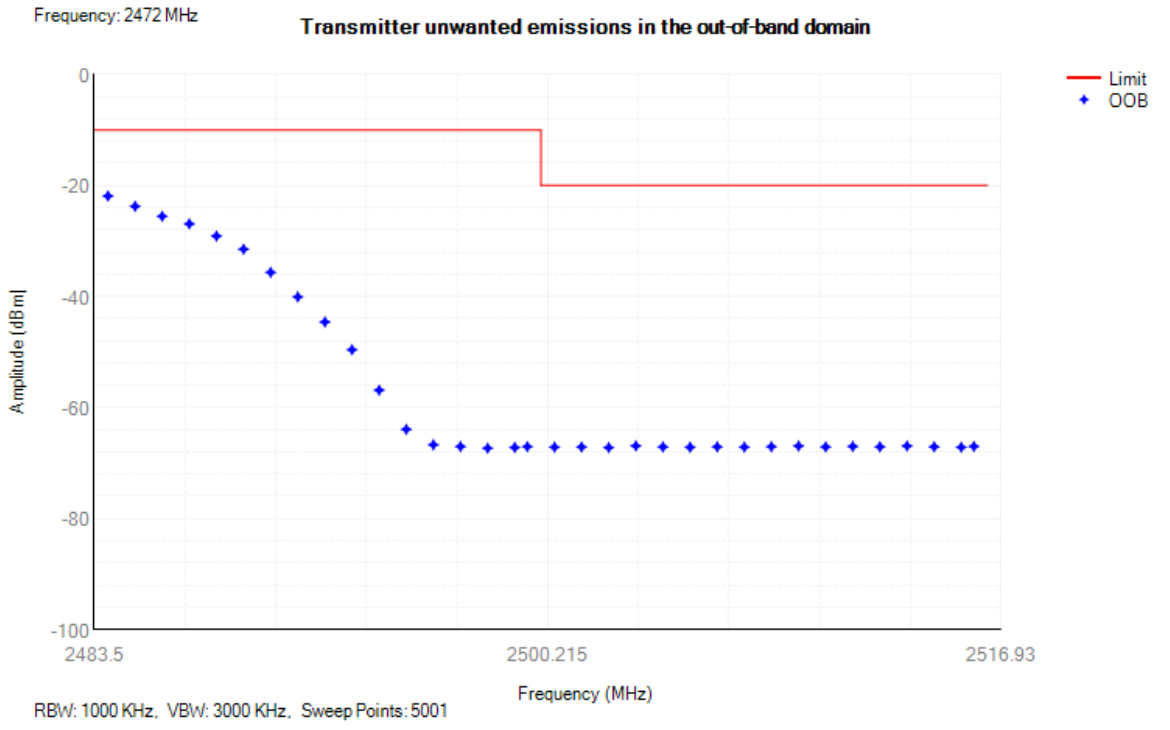
Tx. Emissions OOB NVNT b 2472MHz Ant0



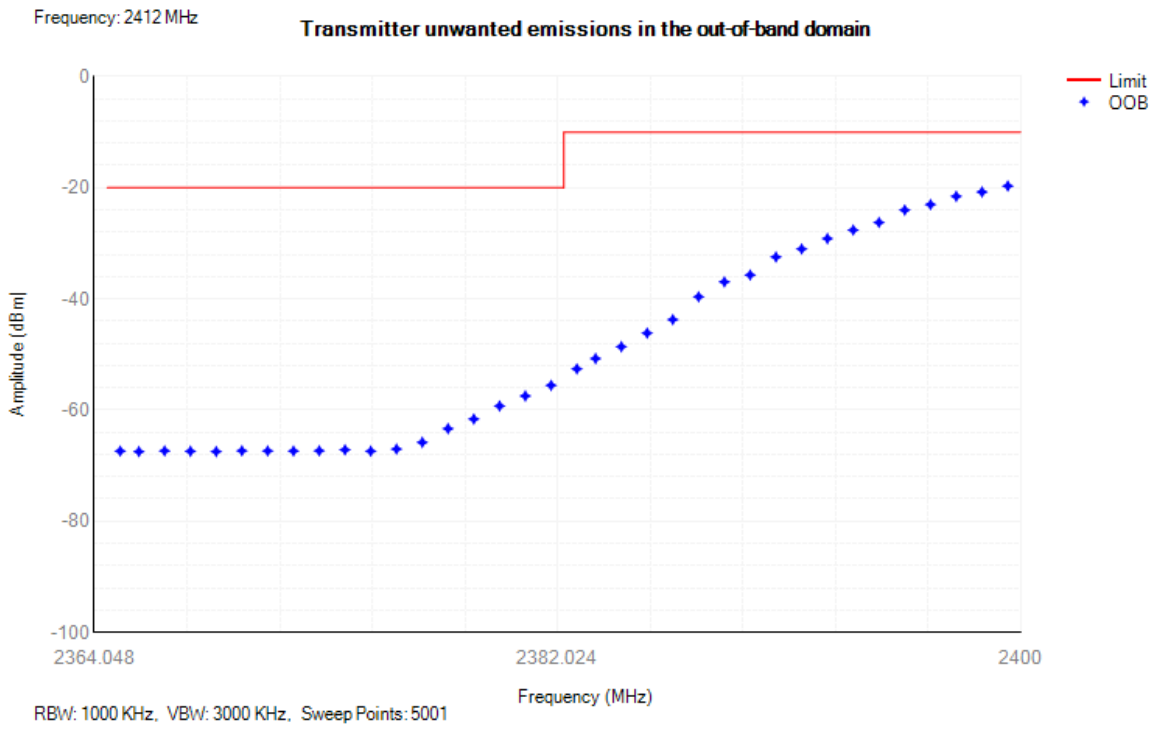
Tx. Emissions OOB NVNT g 2412MHz Ant0



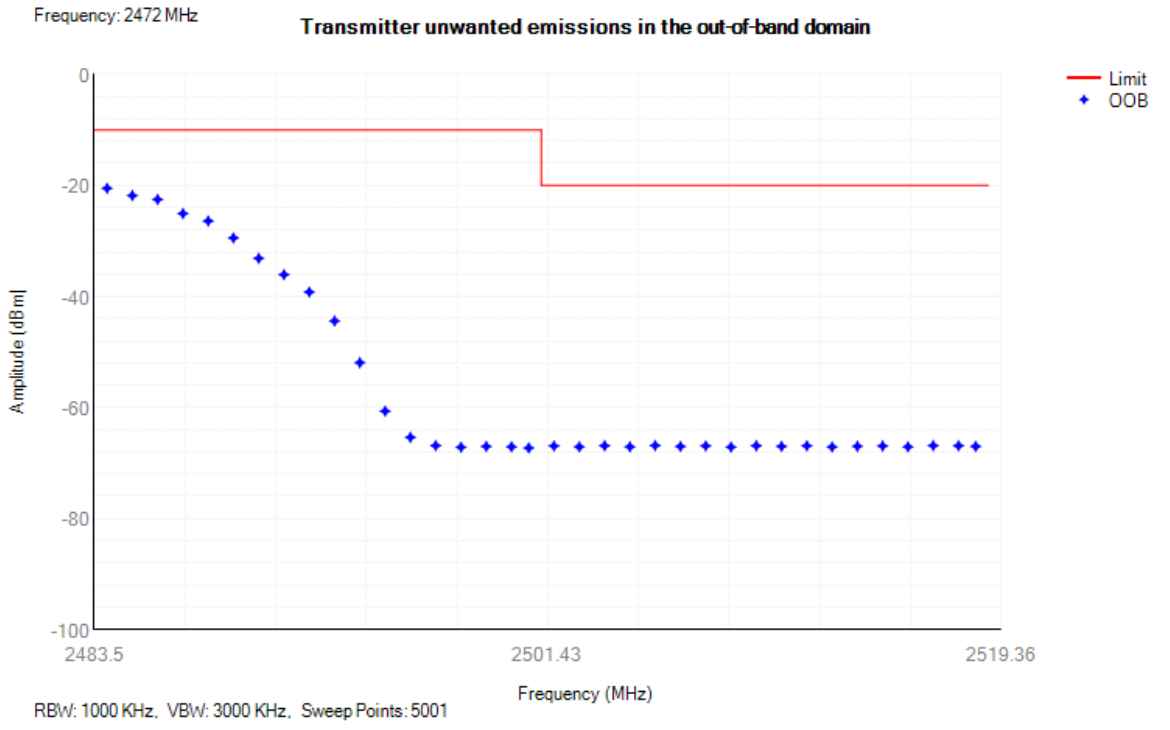
Tx. Emissions OOB NVNT g 2472MHz Ant0



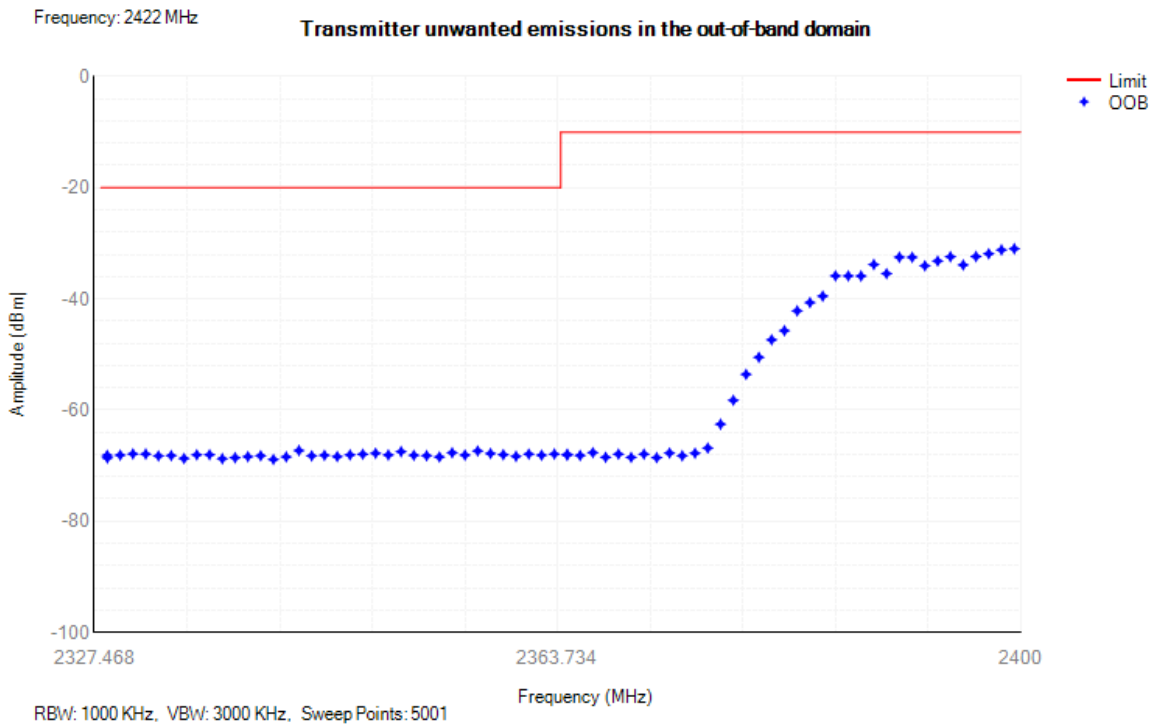
Tx. Emissions OOB NVNT n20 2412MHz Ant0



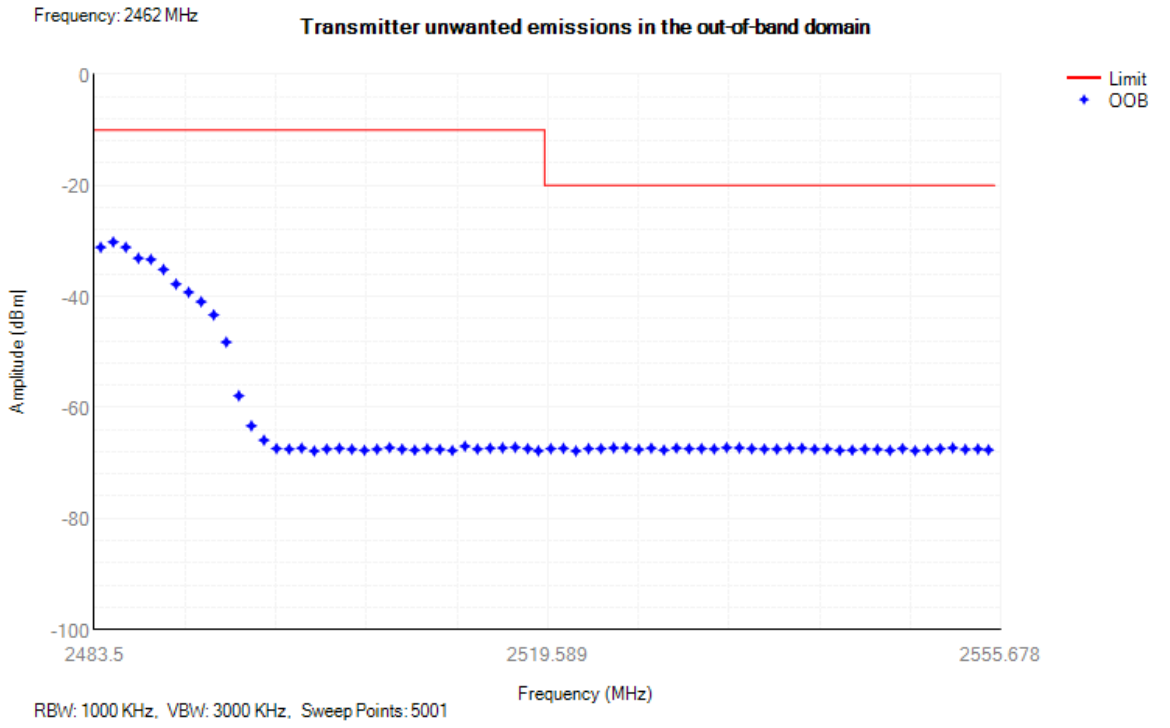
Tx. Emissions OOB NVNT n20 2472MHz Ant0



Tx. Emissions OOB NVNT n40 2422MHz Ant0



Tx. Emissions OOB NVNT n40 2462MHz Ant0



Condition	Mode	Frequency (MHz)	Antenna	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	Ant1	2399.5	-31.98	-10	Pass
NVNT	b	2412	Ant1	2398.5	-29.51	-10	Pass
NVNT	b	2412	Ant1	2397.5	-29.77	-10	Pass
NVNT	b	2412	Ant1	2396.5	-30.71	-10	Pass
NVNT	b	2412	Ant1	2395.5	-35.88	-10	Pass
NVNT	b	2412	Ant1	2394.5	-37.16	-10	Pass
NVNT	b	2412	Ant1	2393.5	-40.99	-10	Pass
NVNT	b	2412	Ant1	2392.5	-45.98	-10	Pass
NVNT	b	2412	Ant1	2391.5	-49.8	-10	Pass
NVNT	b	2412	Ant1	2390.5	-53.07	-10	Pass
NVNT	b	2412	Ant1	2389.5	-55.36	-10	Pass
NVNT	b	2412	Ant1	2388.5	-52.42	-10	Pass
NVNT	b	2412	Ant1	2387.5	-50.63	-10	Pass
NVNT	b	2412	Ant1	2386.5	-51.1	-10	Pass
NVNT	b	2412	Ant1	2385.881	-50.65	-10	Pass
NVNT	b	2412	Ant1	2384.881	-53.36	-20	Pass
NVNT	b	2412	Ant1	2383.881	-55.23	-20	Pass
NVNT	b	2412	Ant1	2382.881	-57.68	-20	Pass
NVNT	b	2412	Ant1	2381.881	-61.07	-20	Pass
NVNT	b	2412	Ant1	2380.881	-61.99	-20	Pass
NVNT	b	2412	Ant1	2379.881	-63.78	-20	Pass
NVNT	b	2412	Ant1	2378.881	-64.85	-20	Pass
NVNT	b	2412	Ant1	2377.881	-65.54	-20	Pass
NVNT	b	2412	Ant1	2376.881	-65.99	-20	Pass
NVNT	b	2412	Ant1	2375.881	-66.9	-20	Pass
NVNT	b	2412	Ant1	2374.881	-67.13	-20	Pass
NVNT	b	2412	Ant1	2373.881	-67.14	-20	Pass
NVNT	b	2412	Ant1	2372.881	-67.17	-20	Pass
NVNT	b	2412	Ant1	2371.881	-67.21	-20	Pass
NVNT	b	2412	Ant1	2371.262	-67.2	-20	Pass
NVNT	b	2472	Ant1	2484	-37.64	-10	Pass
NVNT	b	2472	Ant1	2485	-34.22	-10	Pass
NVNT	b	2472	Ant1	2486	-34.03	-10	Pass
NVNT	b	2472	Ant1	2487	-34.51	-10	Pass
NVNT	b	2472	Ant1	2488	-38.71	-10	Pass
NVNT	b	2472	Ant1	2489	-45.49	-10	Pass
NVNT	b	2472	Ant1	2490	-50.63	-10	Pass
NVNT	b	2472	Ant1	2491	-55.08	-10	Pass
NVNT	b	2472	Ant1	2492	-58.9	-10	Pass

NVNT	b	2472	Ant1	2493	-62.45	-10	Pass
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NVNT	b	2472	Ant1	2495	-66.78	-10	Pass
NVNT	b	2472	Ant1	2496	-66.7	-10	Pass
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NVNT	b	2472	Ant1	2503.5	-66.88	-20	Pass
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NVNT	b	2472	Ant1	2512	-66.79	-20	Pass
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NVNT	g	2412	Ant1	2398.5	-22.19	-10	Pass
NVNT	g	2412	Ant1	2397.5	-23.89	-10	Pass
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NVNT	g	2412	Ant1	2391.5	-35.17	-10	Pass
NVNT	g	2412	Ant1	2390.5	-37.17	-10	Pass
NVNT	g	2412	Ant1	2389.5	-39.53	-10	Pass
NVNT	g	2412	Ant1	2388.5	-42.23	-10	Pass
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NVNT	n20	2412	Ant1	2380.939	-60.24	-20	Pass
NVNT	n20	2412	Ant1	2379.939	-61.99	-20	Pass
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NVNT	n40	2422	Ant1	2361.529	-68.18	-20	Pass
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NVNT	n40	2422	Ant1	2356.529	-68.12	-20	Pass

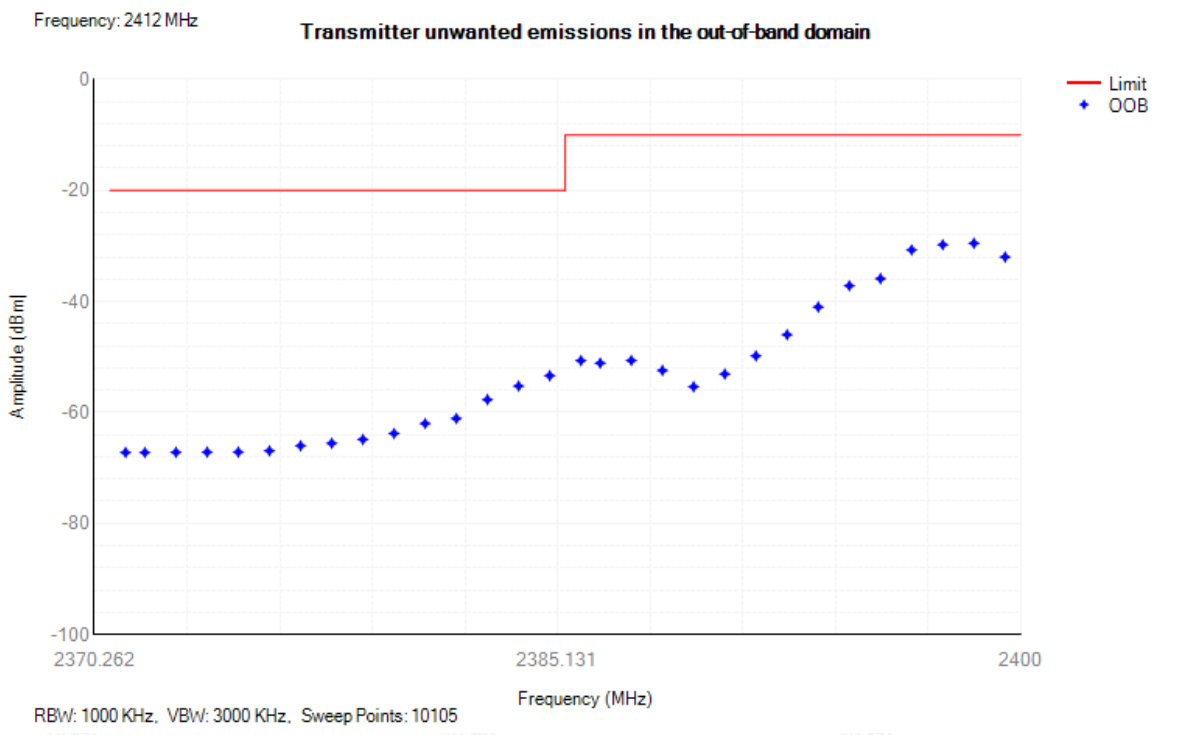
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NVNT	n40	2462	Ant1	2521.828	-67.34	-20	Pass
NVNT	n40	2462	Ant1	2522.828	-67.28	-20	Pass
NVNT	n40	2462	Ant1	2523.828	-67.45	-20	Pass
NVNT	n40	2462	Ant1	2524.828	-67.19	-20	Pass
NVNT	n40	2462	Ant1	2525.828	-67.43	-20	Pass
NVNT	n40	2462	Ant1	2526.828	-67.29	-20	Pass
NVNT	n40	2462	Ant1	2527.828	-67.19	-20	Pass
NVNT	n40	2462	Ant1	2528.828	-67.64	-20	Pass
NVNT	n40	2462	Ant1	2529.828	-67.23	-20	Pass
NVNT	n40	2462	Ant1	2530.828	-67.44	-20	Pass
NVNT	n40	2462	Ant1	2531.828	-66.96	-20	Pass
NVNT	n40	2462	Ant1	2532.828	-67.44	-20	Pass
NVNT	n40	2462	Ant1	2533.828	-67.03	-20	Pass
NVNT	n40	2462	Ant1	2534.828	-67.45	-20	Pass
NVNT	n40	2462	Ant1	2535.828	-67.36	-20	Pass
NVNT	n40	2462	Ant1	2536.828	-67.36	-20	Pass

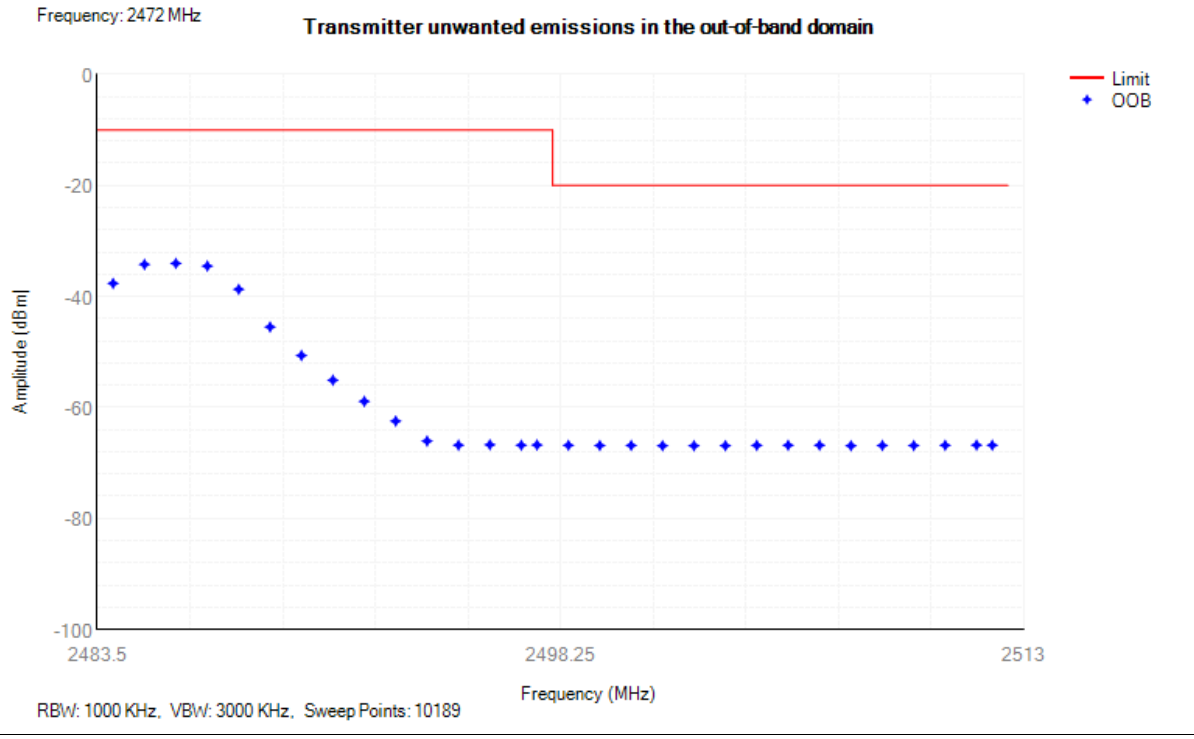
NVNT	n40	2462	Ant1	2537.828	-67.36	-20	Pass
NVNT	n40	2462	Ant1	2538.828	-67.29	-20	Pass
NVNT	n40	2462	Ant1	2539.828	-67.47	-20	Pass
NVNT	n40	2462	Ant1	2540.828	-67.27	-20	Pass
NVNT	n40	2462	Ant1	2541.828	-67.57	-20	Pass
NVNT	n40	2462	Ant1	2542.828	-67.17	-20	Pass
NVNT	n40	2462	Ant1	2543.828	-67.54	-20	Pass
NVNT	n40	2462	Ant1	2544.828	-67.4	-20	Pass
NVNT	n40	2462	Ant1	2545.828	-67.39	-20	Pass
NVNT	n40	2462	Ant1	2546.828	-67.38	-20	Pass
NVNT	n40	2462	Ant1	2547.828	-67.64	-20	Pass
NVNT	n40	2462	Ant1	2548.828	-67.58	-20	Pass
NVNT	n40	2462	Ant1	2549.828	-67.48	-20	Pass
NVNT	n40	2462	Ant1	2550.828	-67.76	-20	Pass
NVNT	n40	2462	Ant1	2551.828	-67.55	-20	Pass
NVNT	n40	2462	Ant1	2552.828	-67.39	-20	Pass
NVNT	n40	2462	Ant1	2553.828	-67.29	-20	Pass
NVNT	n40	2462	Ant1	2554.656	-67.31	-20	Pass

Test Graphs

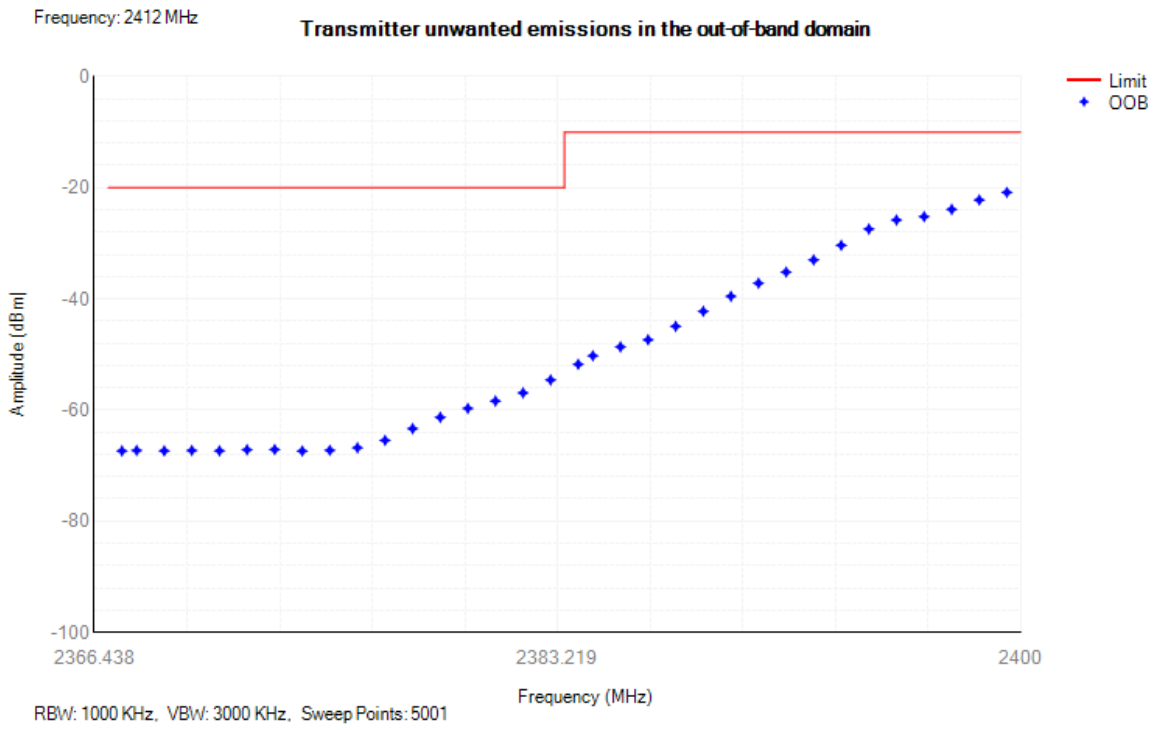
Tx. Emissions OOB NVNT b 2412MHz Ant1



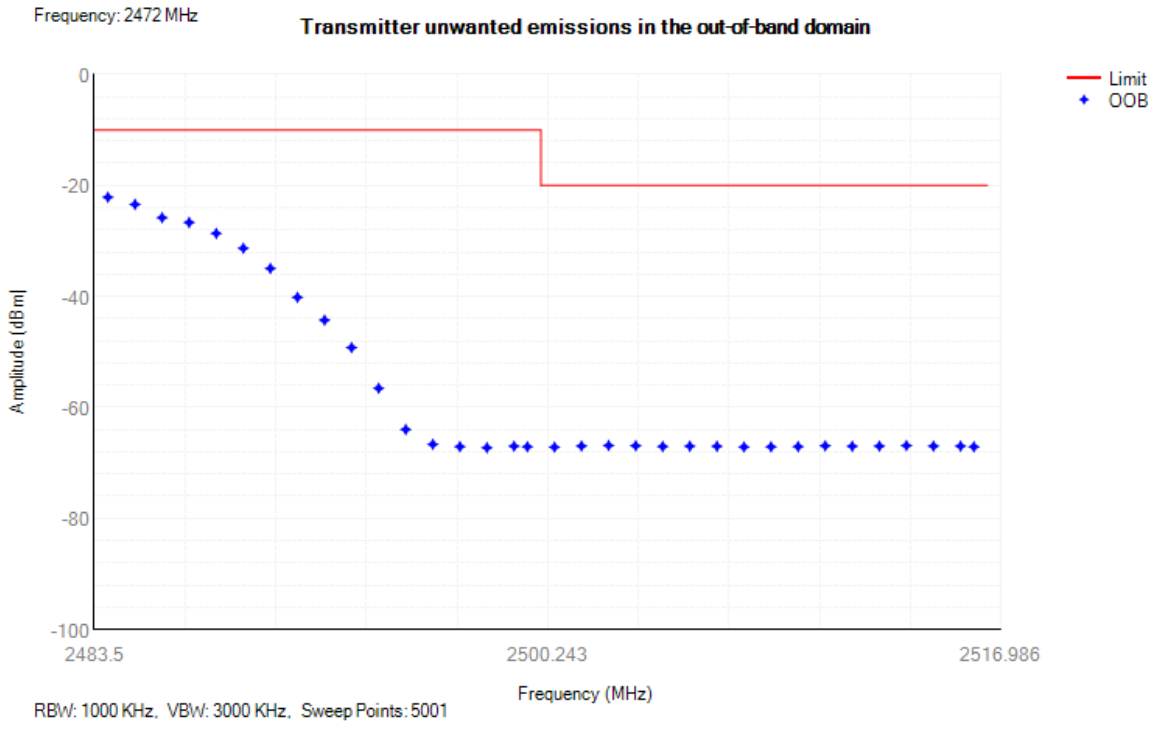
Tx. Emissions OOB NVNT b 2472MHz Ant1



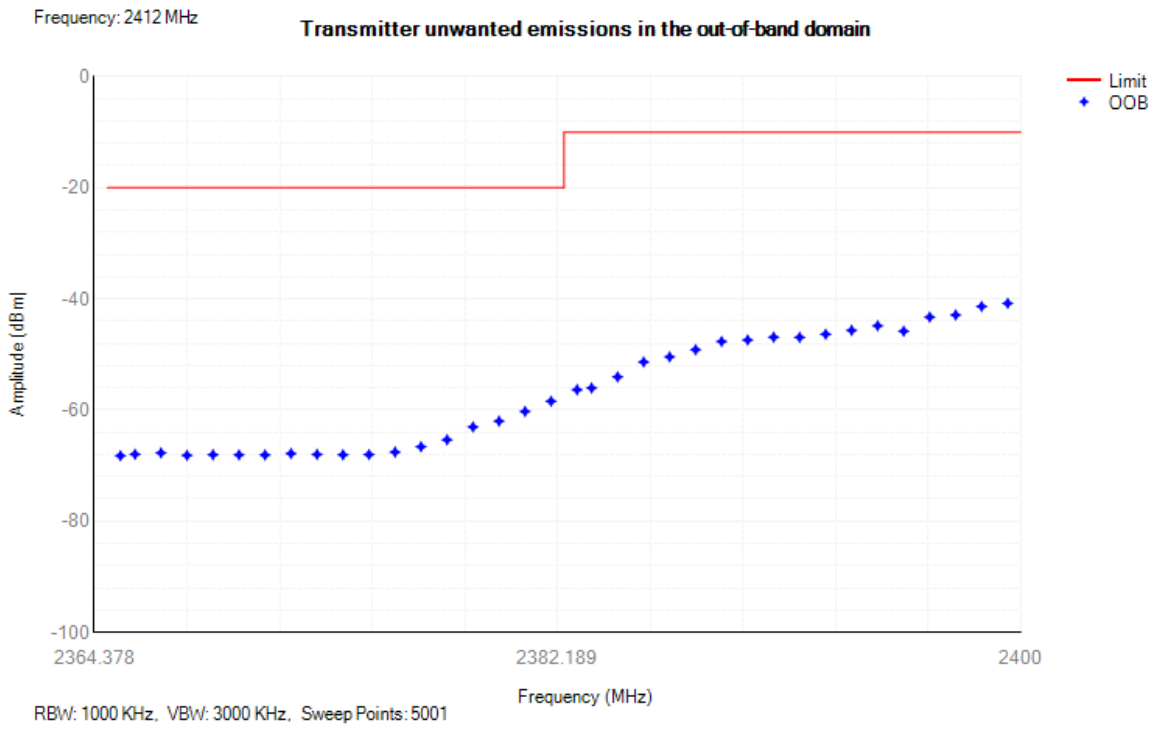
Tx. Emissions OOB NVNT g 2412MHz Ant1



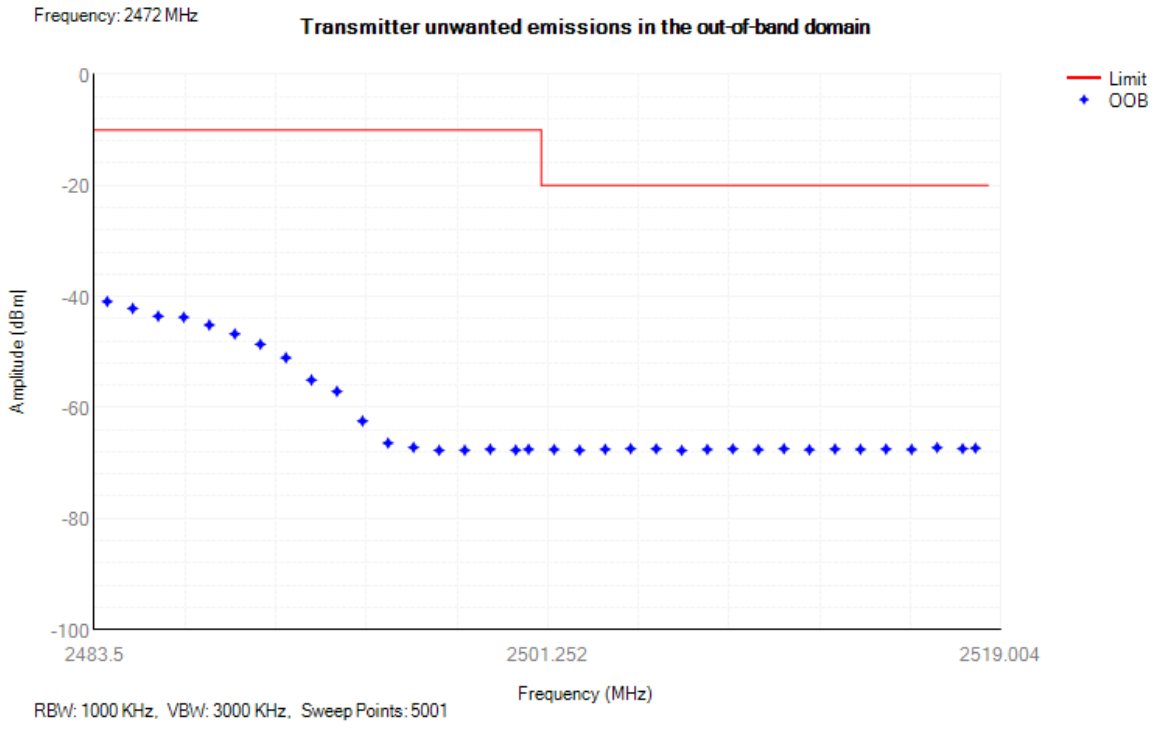
Tx. Emissions OOB NVNT g 2472MHz Ant1



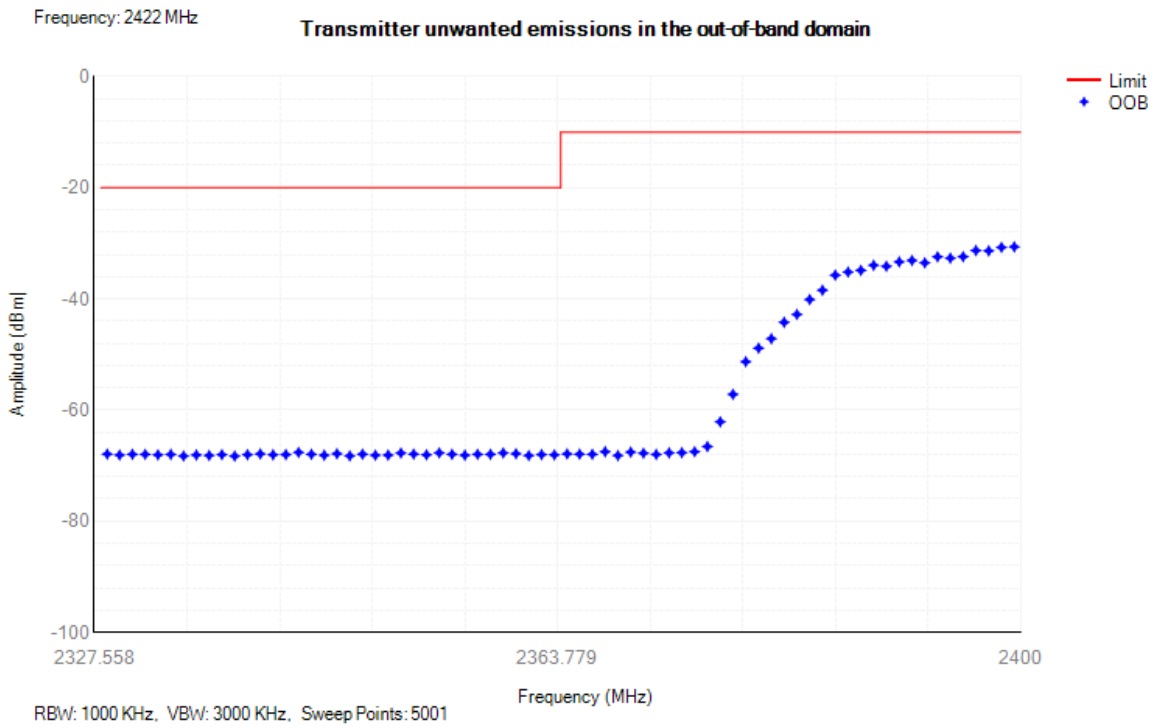
Tx. Emissions OOB NVNT n20 2412MHz Ant1



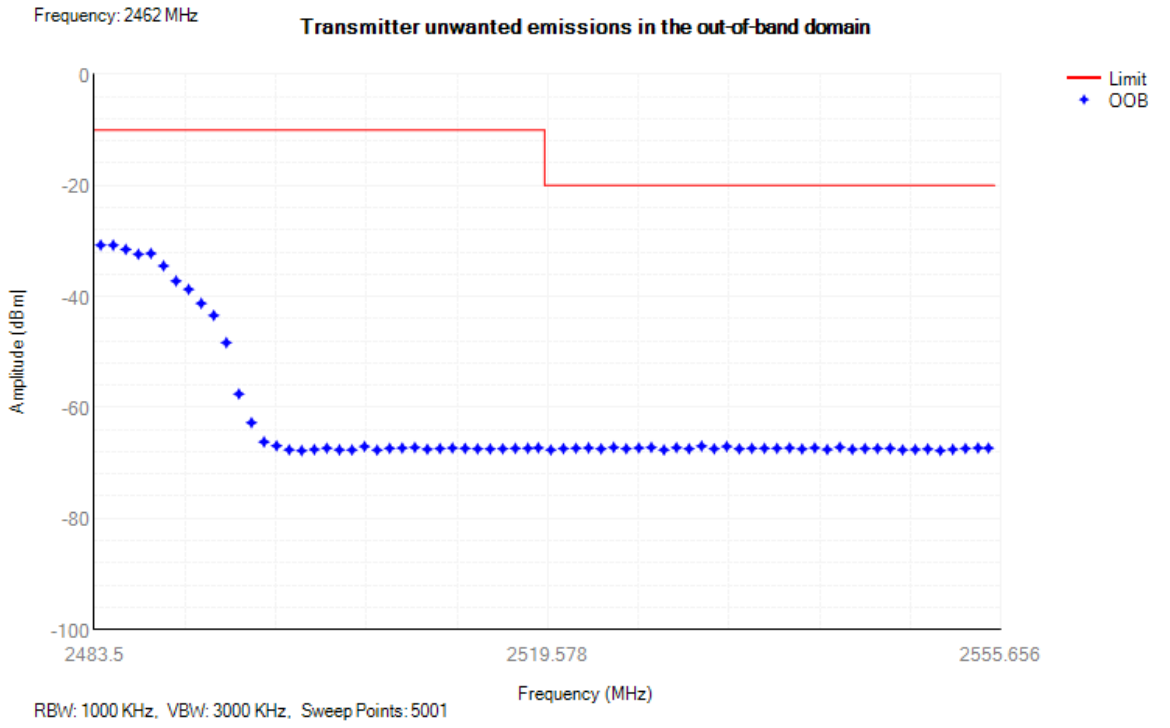
Tx. Emissions OOB NVNT n20 2472MHz Ant1



Tx. Emissions OOB NVNT n40 2422MHz Ant1



Tx. Emissions OOB NVNT n40 2462MHz Ant1



E.6 Transmitter unwanted emissions in the spurious domain

The Worst Case: ANT0

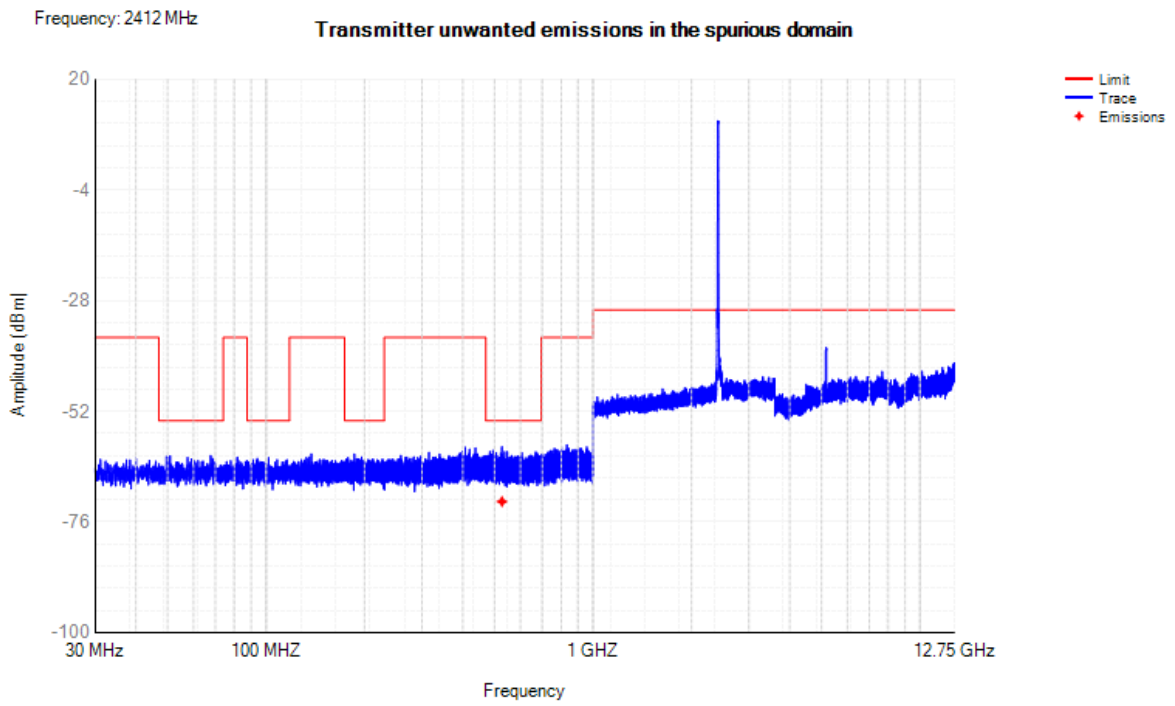
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Spur Freq (MHz)	Peak (dBm)	RMS (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant0	30 -47	40.00	-62.20	NA	-36	Pass
NVNT	b	2412	Ant0	47 -74	67.65	-61.56	NA	-54	Pass
NVNT	b	2412	Ant0	74 -87.5	81.65	-61.94	NA	-36	Pass
NVNT	b	2412	Ant0	87.5 -118	101.85	-62.08	NA	-54	Pass
NVNT	b	2412	Ant0	118 -174	137.65	-61.22	NA	-36	Pass
NVNT	b	2412	Ant0	174 -230	186.25	-61.25	NA	-54	Pass
NVNT	b	2412	Ant0	230 -470	407.10	-59.81	NA	-36	Pass
NVNT	b	2412	Ant0	470 -694	526.70	-59.68	-71.57	-54	Pass
NVNT	b	2412	Ant0	694 -1000	831.60	-59.26	NA	-36	Pass
NVNT	b	2412	Ant0	1000 -2360	2308.50	-46.06	NA	-30	Pass
NVNT	b	2412	Ant0	2523.5 -12750	5167.50	-38.25	NA	-30	Pass
NVNT	b	2472	Ant0	30 -47	30.85	-62.30	NA	-36	Pass
NVNT	b	2472	Ant0	47 -74	62.35	-61.84	NA	-54	Pass
NVNT	b	2472	Ant0	74 -87.5	78.50	-62.46	NA	-36	Pass
NVNT	b	2472	Ant0	87.5 -118	91.60	-60.23	NA	-54	Pass
NVNT	b	2472	Ant0	118 -174	167.45	-60.84	NA	-36	Pass
NVNT	b	2472	Ant0	174 -230	214.80	-60.95	NA	-54	Pass
NVNT	b	2472	Ant0	230 -470	417.90	-60.62	NA	-36	Pass
NVNT	b	2472	Ant0	470 -694	652.95	-60.46	NA	-54	Pass
NVNT	b	2472	Ant0	694 -1000	758.05	-59.85	NA	-36	Pass
NVNT	b	2472	Ant0	1000 -2360	2325.50	-45.91	NA	-30	Pass
NVNT	b	2472	Ant0	2523.5 -12750	12684.00	-41.51	NA	-30	Pass
NVNT	g	2412	Ant0	30 -47	32.10	-61.58	NA	-36	Pass
NVNT	g	2412	Ant0	47 -74	64.85	-60.59	NA	-54	Pass
NVNT	g	2412	Ant0	74 -87.5	78.20	-61.98	NA	-36	Pass
NVNT	g	2412	Ant0	87.5 -118	108.45	-61.27	NA	-54	Pass
NVNT	g	2412	Ant0	118 -174	141.60	-61.64	NA	-36	Pass
NVNT	g	2412	Ant0	174 -230	223.05	-61.65	NA	-54	Pass
NVNT	g	2412	Ant0	230 -470	411.00	-59.92	NA	-36	Pass
NVNT	g	2412	Ant0	470 -694	663.80	-59.90	-71.47	-54	Pass
NVNT	g	2412	Ant0	694 -1000	775.35	-59.44	NA	-36	Pass
NVNT	g	2412	Ant0	1000 -2360	2333.50	-45.47	NA	-30	Pass
NVNT	g	2412	Ant0	2523.5 -12750	5167.00	-35.71	-58.91	-30	Pass

NVNT	g	2472	Ant0	30 -47	42.80	-62.25	NA	-36	Pass
NVNT	g	2472	Ant0	47 -74	63.35	-61.75	NA	-54	Pass
NVNT	g	2472	Ant0	74 -87.5	80.00	-61.27	NA	-36	Pass
NVNT	g	2472	Ant0	87.5 -118	111.00	-60.73	NA	-54	Pass
NVNT	g	2472	Ant0	118 -174	118.20	-62.01	NA	-36	Pass
NVNT	g	2472	Ant0	174 -230	195.95	-60.90	NA	-54	Pass
NVNT	g	2472	Ant0	230 -470	417.50	-60.34	NA	-36	Pass
NVNT	g	2472	Ant0	470 -694	641.75	-59.57	-72.01	-54	Pass
NVNT	g	2472	Ant0	694 -1000	856.35	-58.83	NA	-36	Pass
NVNT	g	2472	Ant0	1000 -2360	2149.00	-45.97	NA	-30	Pass
NVNT	g	2472	Ant0	2523.5 -12750	12707.00	-41.25	NA	-30	Pass
NVNT	n20	2412	Ant0	30 -47	37.85	-61.90	NA	-36	Pass
NVNT	n20	2412	Ant0	47 -74	47.85	-60.87	NA	-54	Pass
NVNT	n20	2412	Ant0	74 -87.5	75.75	-61.89	NA	-36	Pass
NVNT	n20	2412	Ant0	87.5 -118	115.00	-61.25	NA	-54	Pass
NVNT	n20	2412	Ant0	118 -174	145.70	-61.57	NA	-36	Pass
NVNT	n20	2412	Ant0	174 -230	197.75	-60.78	NA	-54	Pass
NVNT	n20	2412	Ant0	230 -470	450.80	-60.26	NA	-36	Pass
NVNT	n20	2412	Ant0	470 -694	643.60	-60.03	NA	-54	Pass
NVNT	n20	2412	Ant0	694 -1000	891.20	-59.05	NA	-36	Pass
NVNT	n20	2412	Ant0	1000 -2360	2275.50	-45.52	NA	-30	Pass
NVNT	n20	2412	Ant0	2523.5 -12750	5254.50	-36.61	NA	-30	Pass
NVNT	n20	2472	Ant0	30 -47	35.95	-61.80	NA	-36	Pass
NVNT	n20	2472	Ant0	47 -74	54.00	-60.34	NA	-54	Pass
NVNT	n20	2472	Ant0	74 -87.5	75.05	-61.54	NA	-36	Pass
NVNT	n20	2472	Ant0	87.5 -118	116.45	-61.88	NA	-54	Pass
NVNT	n20	2472	Ant0	118 -174	144.75	-61.85	NA	-36	Pass
NVNT	n20	2472	Ant0	174 -230	174.70	-61.46	NA	-54	Pass
NVNT	n20	2472	Ant0	230 -470	433.05	-54.23	NA	-36	Pass
NVNT	n20	2472	Ant0	470 -694	544.90	-60.56	NA	-54	Pass
NVNT	n20	2472	Ant0	694 -1000	906.15	-59.65	NA	-36	Pass
NVNT	n20	2472	Ant0	1000 -2360	2249.00	-45.59	NA	-30	Pass
NVNT	n20	2472	Ant0	2523.5 -12750	12715.50	-41.31	NA	-30	Pass
NVNT	n40	2422	Ant0	30 -47	43.95	-61.89	NA	-36	Pass
NVNT	n40	2422	Ant0	47 -74	73.50	-61.66	NA	-54	Pass
NVNT	n40	2422	Ant0	74 -87.5	86.10	-62.29	NA	-36	Pass
NVNT	n40	2422	Ant0	87.5 -118	113.50	-62.04	NA	-54	Pass
NVNT	n40	2422	Ant0	118 -174	141.10	-61.81	NA	-36	Pass

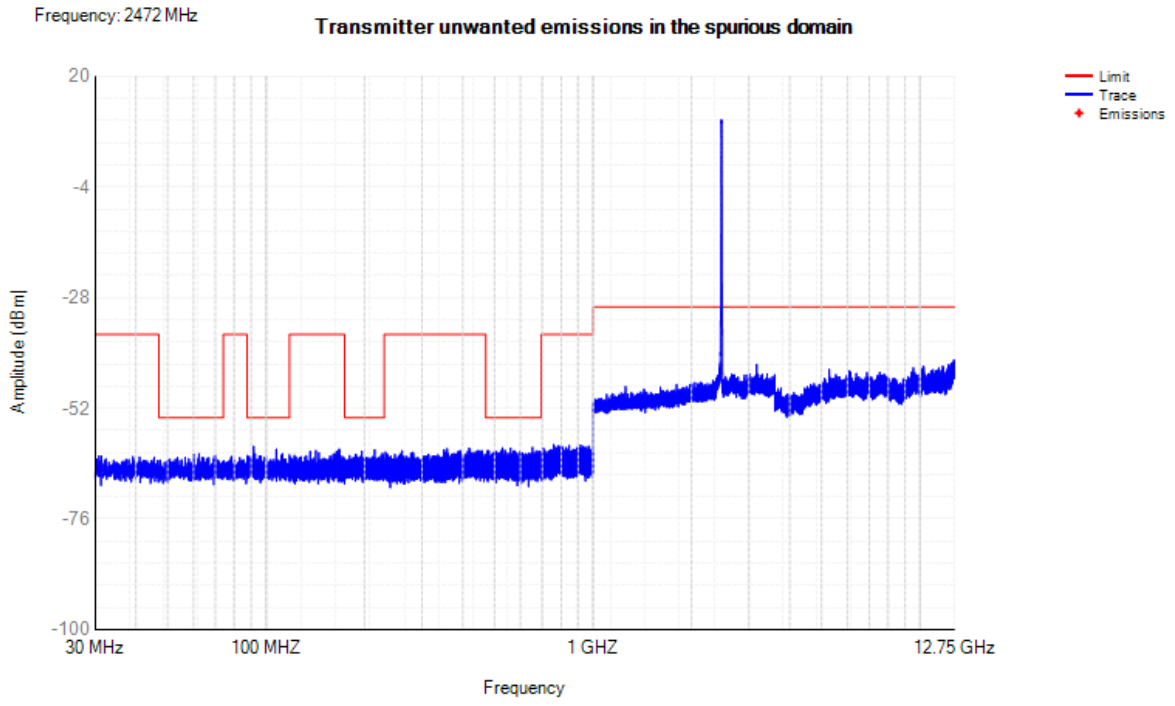
NVNT	n40	2422	Ant0	174 -230	216.70	-61.49	NA	-54	Pass
NVNT	n40	2422	Ant0	230 -470	433.05	-50.61	NA	-36	Pass
NVNT	n40	2422	Ant0	470 -694	671.60	-60.41	NA	-54	Pass
NVNT	n40	2422	Ant0	694 -1000	892.50	-52.85	NA	-36	Pass
NVNT	n40	2422	Ant0	1000 -2320	2289.00	-45.56	NA	-30	Pass
NVNT	n40	2422	Ant0	2563.5 -12750	12690.50	-41.19	NA	-30	Pass
NVNT	n40	2462	Ant0	30 -47	37.70	-62.40	NA	-36	Pass
NVNT	n40	2462	Ant0	47 -74	53.05	-62.09	NA	-54	Pass
NVNT	n40	2462	Ant0	74 -87.5	76.10	-62.56	NA	-36	Pass
NVNT	n40	2462	Ant0	87.5 -118	88.05	-61.75	NA	-54	Pass
NVNT	n40	2462	Ant0	118 -174	171.55	-61.63	NA	-36	Pass
NVNT	n40	2462	Ant0	174 -230	203.45	-61.03	NA	-54	Pass
NVNT	n40	2462	Ant0	230 -470	458.75	-60.02	NA	-36	Pass
NVNT	n40	2462	Ant0	470 -694	553.05	-60.55	NA	-54	Pass
NVNT	n40	2462	Ant0	694 -1000	889.55	-58.12	NA	-36	Pass
NVNT	n40	2462	Ant0	1000 -2320	2281.50	-46.12	NA	-30	Pass
NVNT	n40	2462	Ant0	2563.5 -12750	12739.50	-41.56	NA	-30	Pass

Test Graphs

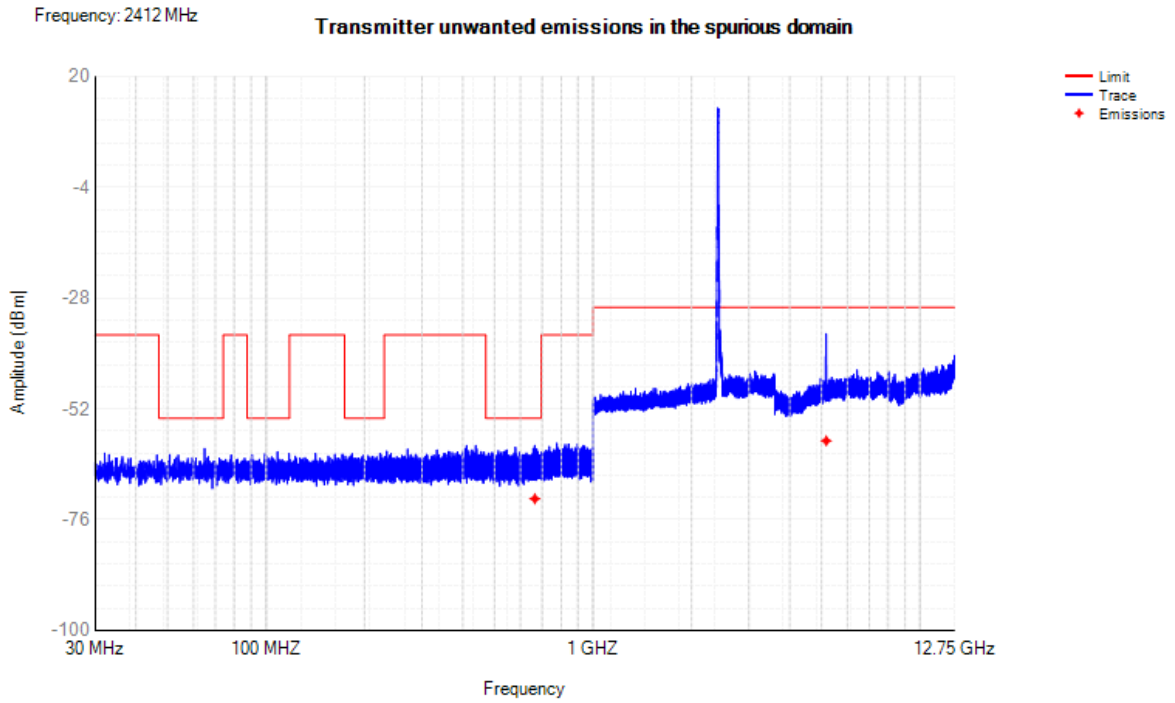
Tx. Spurious NVNT b 2412MHz Ant0



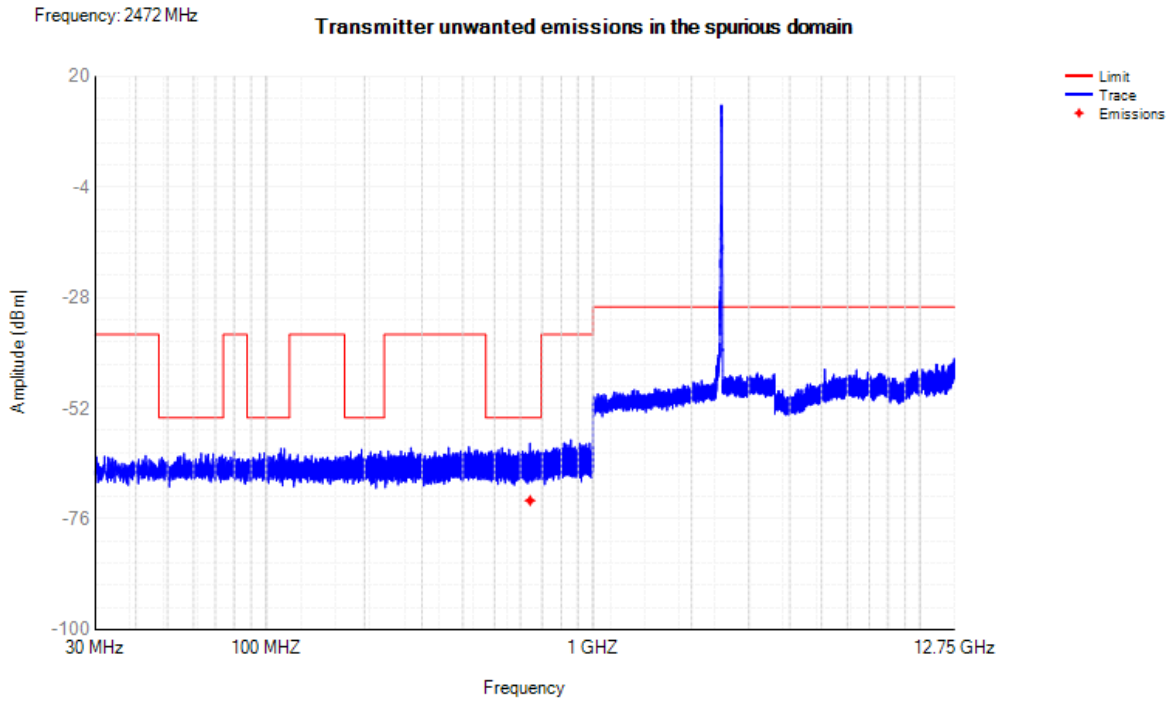
Tx. Spurious NVNT b 2472MHz Ant0



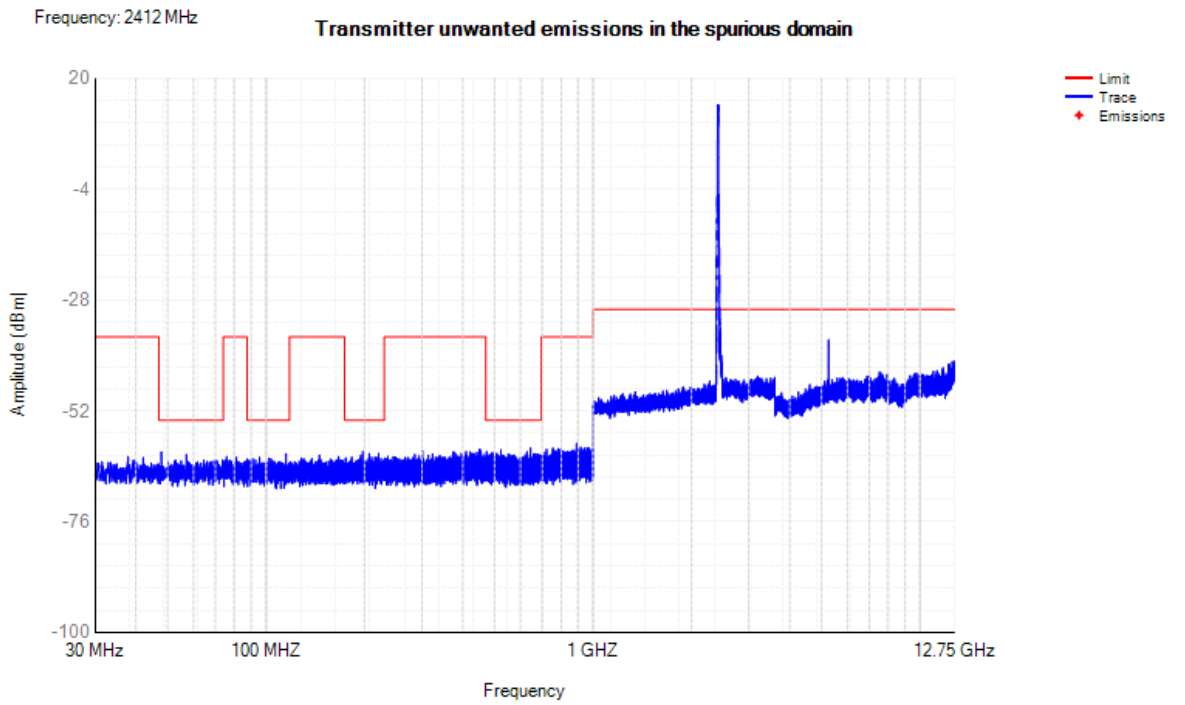
Tx. Spurious NVNT g 2412MHz Ant0



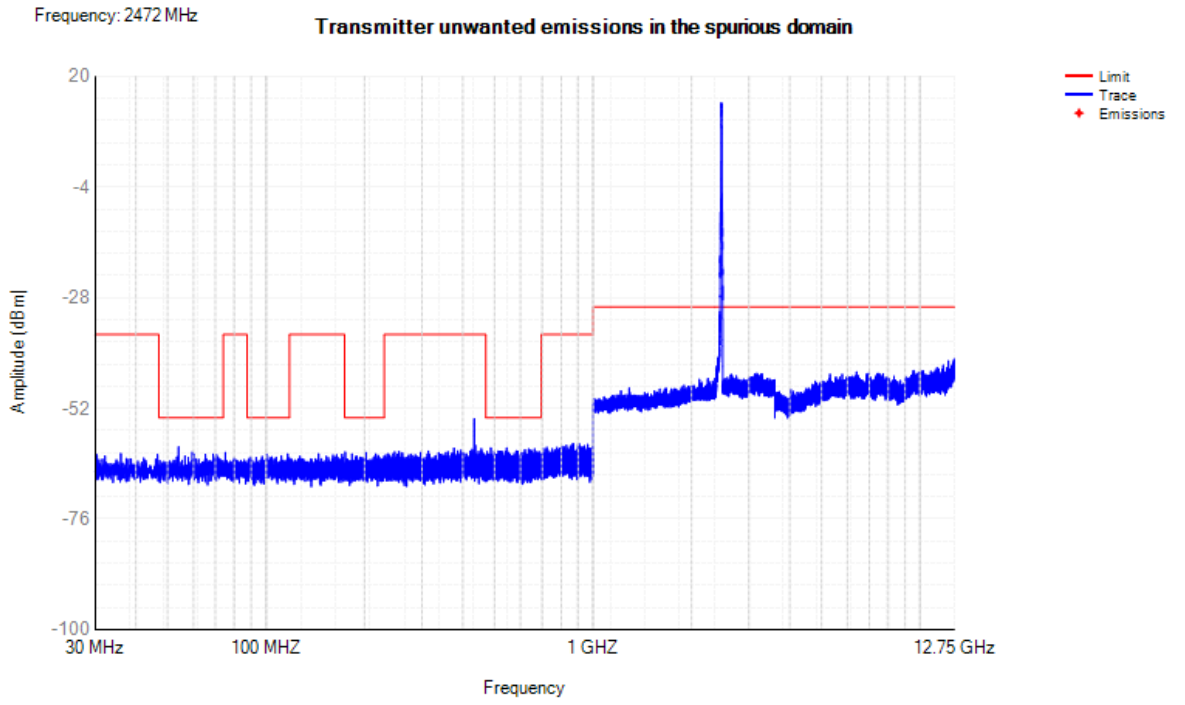
Tx. Spurious NVNT g 2472MHz Ant0



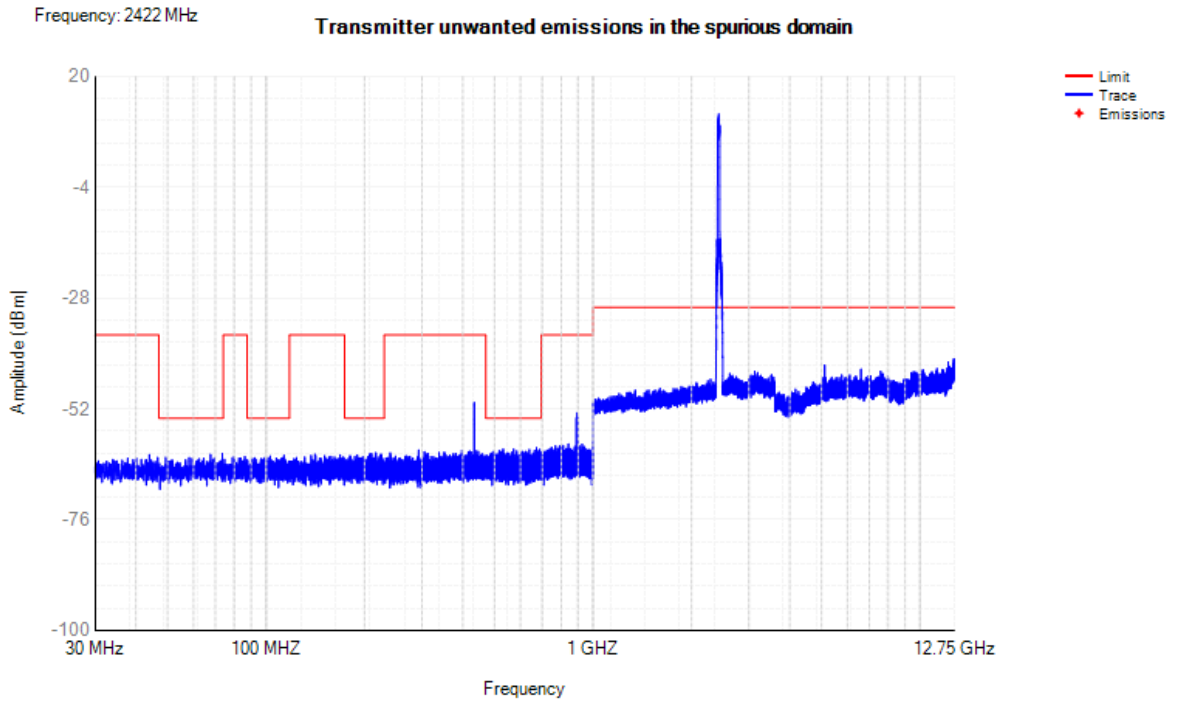
Tx. Spurious NVNT n20 2412MHz Ant0



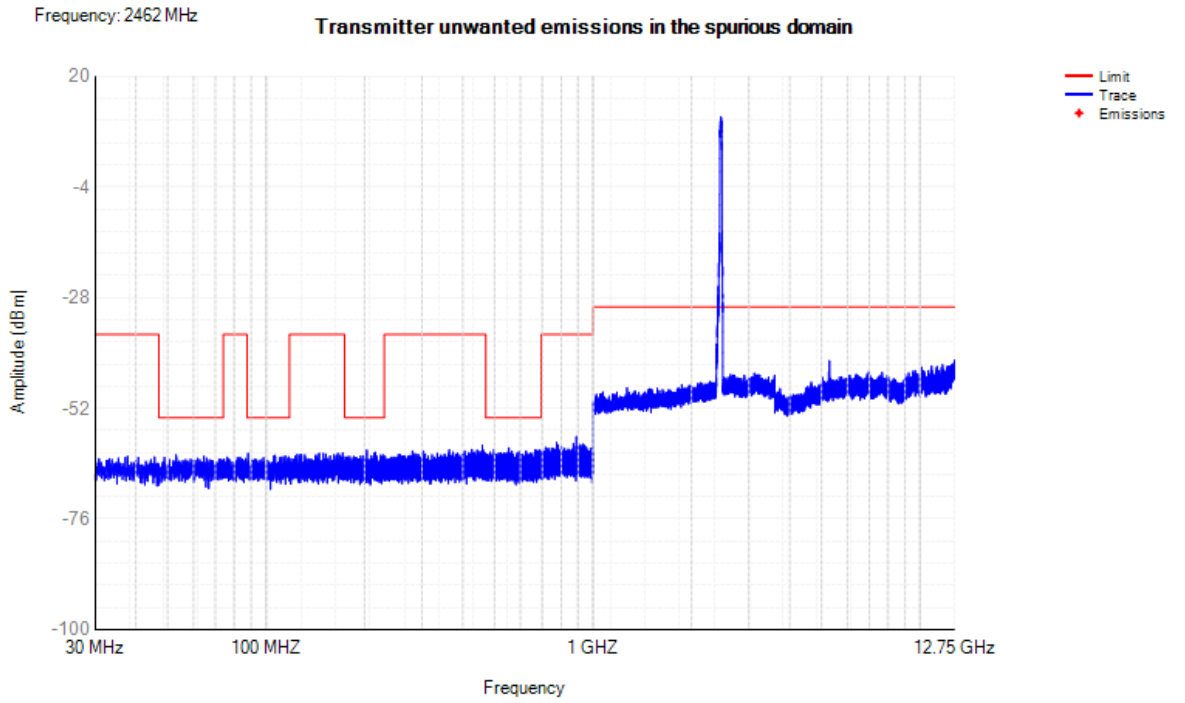
Tx. Spurious NVNT n20 2472MHz Ant0



Tx. Spurious NVNT n40 2422MHz Ant0



Tx. Spurious NVNT n40 2462MHz Ant0



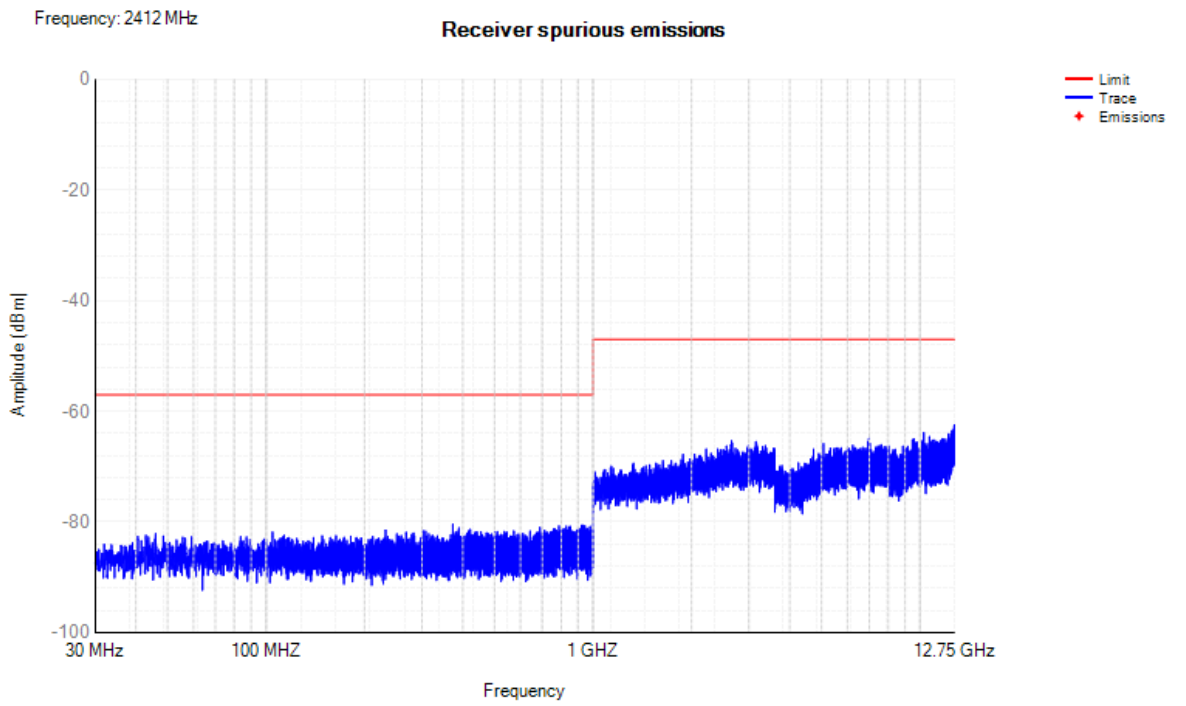
E.7 Receiver spurious emissions

The Worst Case: ANT0

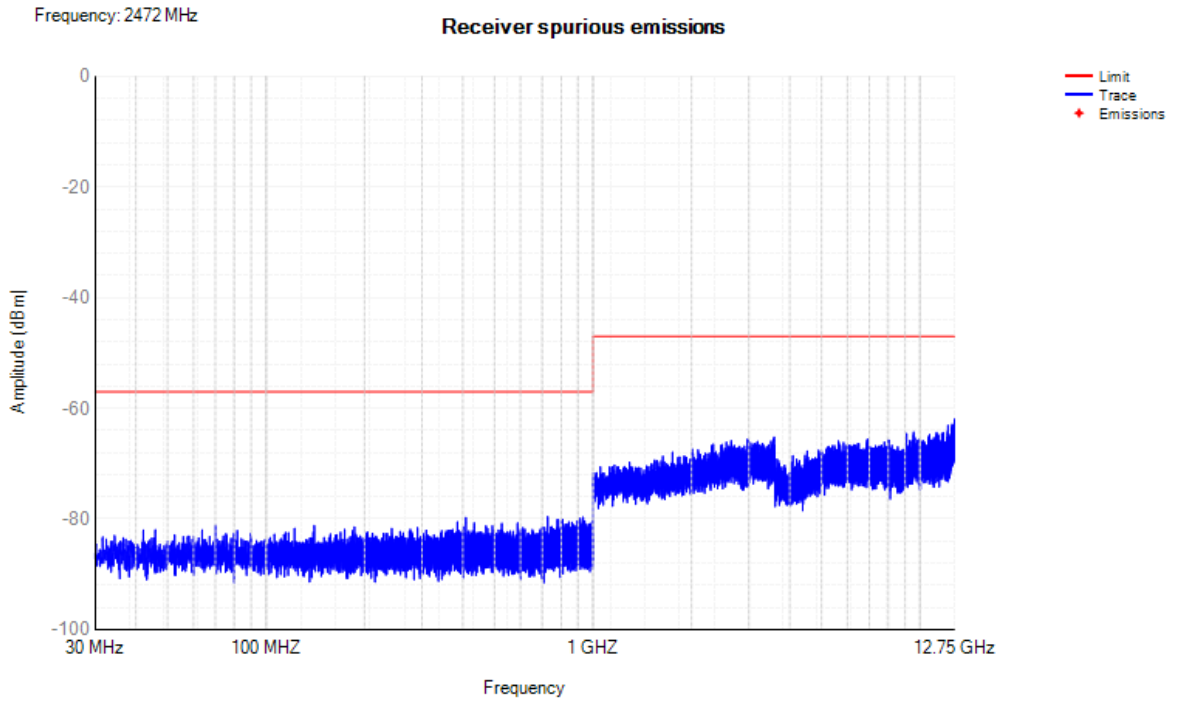
Condition	Mode	Frequency (MHz)	Antenna	Range (MHz)	Spur Freq (MHz)	Peak (dBm)	RMS (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant0	30 -1000	372.65	-80.41	NA	-57	Pass
NVNT	b	2412	Ant0	1000 -12750	12749	-62.46	NA	-47	Pass
NVNT	b	2472	Ant0	30 -1000	726.75	-79.58	NA	-57	Pass
NVNT	b	2472	Ant0	1000 -12750	12746	-61.96	NA	-47	Pass
NVNT	g	2412	Ant0	30 -1000	936.4	-80.14	NA	-57	Pass
NVNT	g	2412	Ant0	1000 -12750	12702.5	-62.67	NA	-47	Pass
NVNT	g	2472	Ant0	30 -1000	855.35	-79.65	NA	-57	Pass
NVNT	g	2472	Ant0	1000 -12750	12669	-61.47	NA	-47	Pass
NVNT	n20	2412	Ant0	30 -1000	395.55	-79.92	NA	-57	Pass
NVNT	n20	2412	Ant0	1000 -12750	12694	-62.09	NA	-47	Pass
NVNT	n20	2472	Ant0	30 -1000	782.6	-79.21	NA	-57	Pass
NVNT	n20	2472	Ant0	1000 -12750	12721.5	-62.04	NA	-47	Pass
NVNT	n40	2422	Ant0	30 -1000	793.35	-79.56	NA	-57	Pass
NVNT	n40	2422	Ant0	1000 -12750	12689.5	-62.01	NA	-47	Pass
NVNT	n40	2462	Ant0	30 -1000	361.9	-80.13	NA	-57	Pass
NVNT	n40	2462	Ant0	1000 -12750	12244.5	-61.45	NA	-47	Pass

Test Graphs

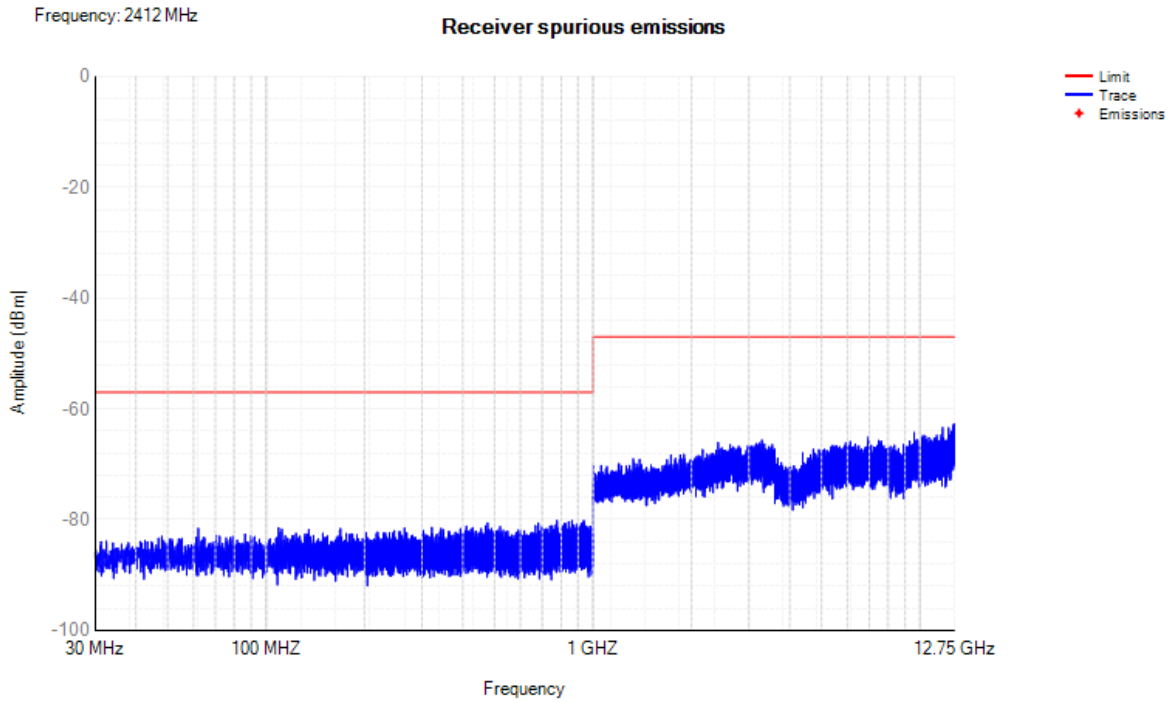
Rx. Spurious NVNT b 2412MHz Ant0



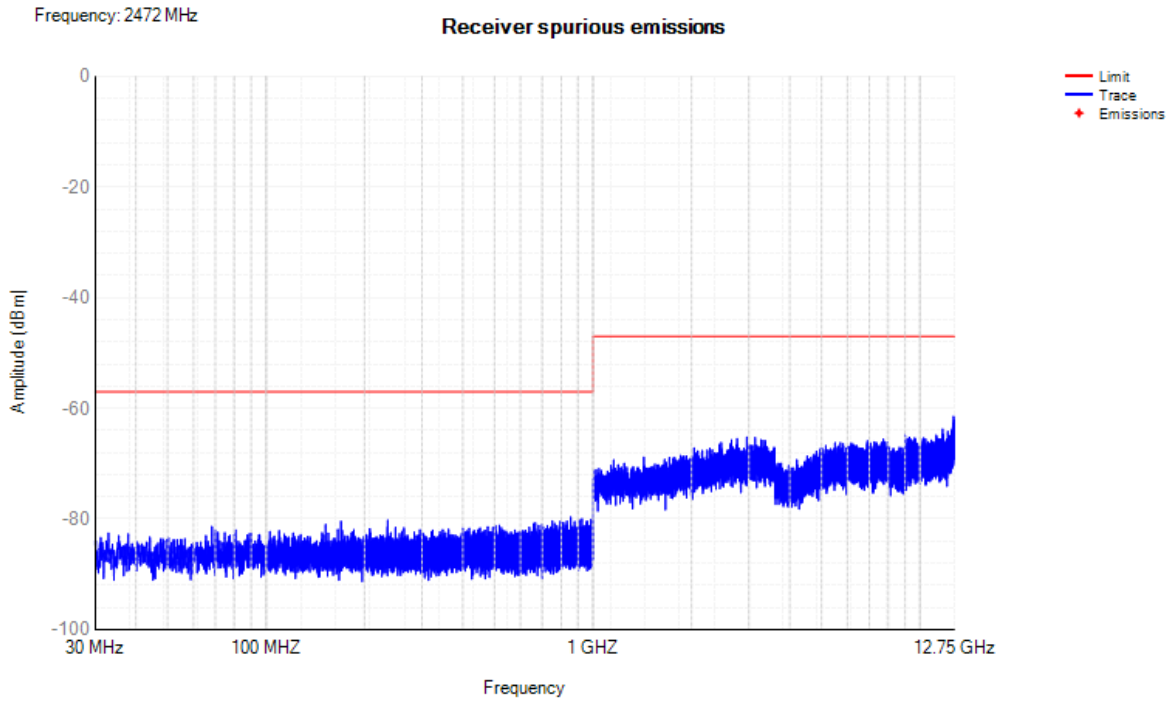
Rx. Spurious NVNT b 2472MHz Ant0



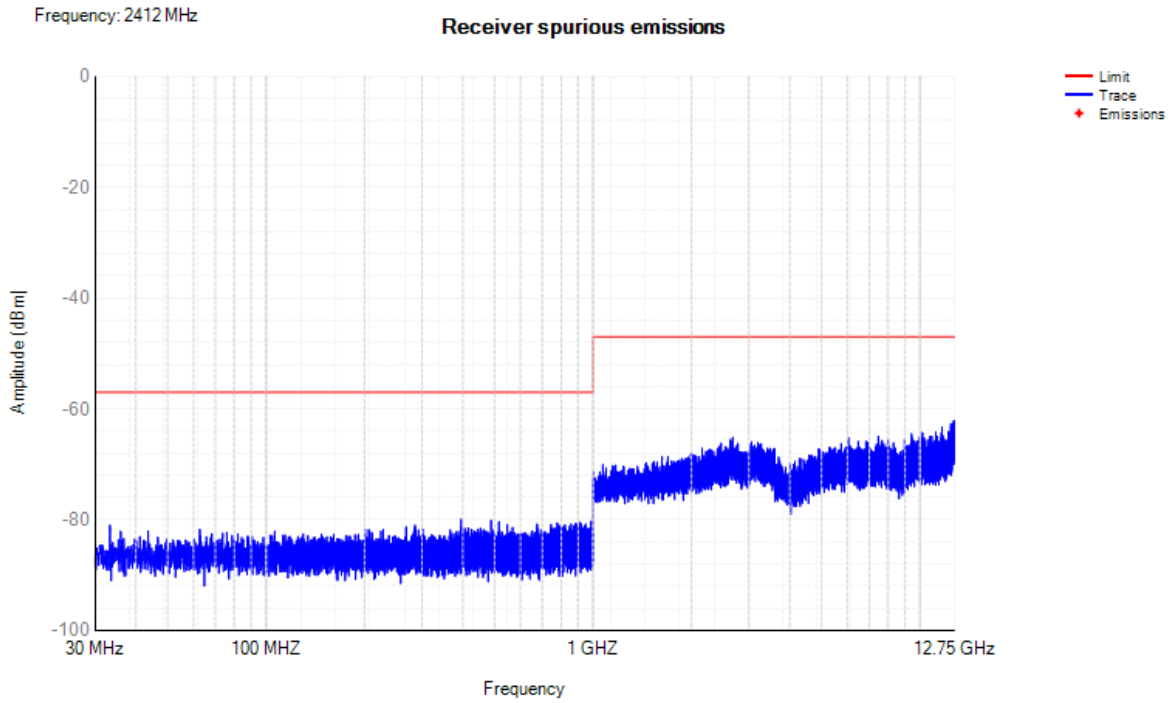
Rx. Spurious NVNT g 2412MHz Ant0



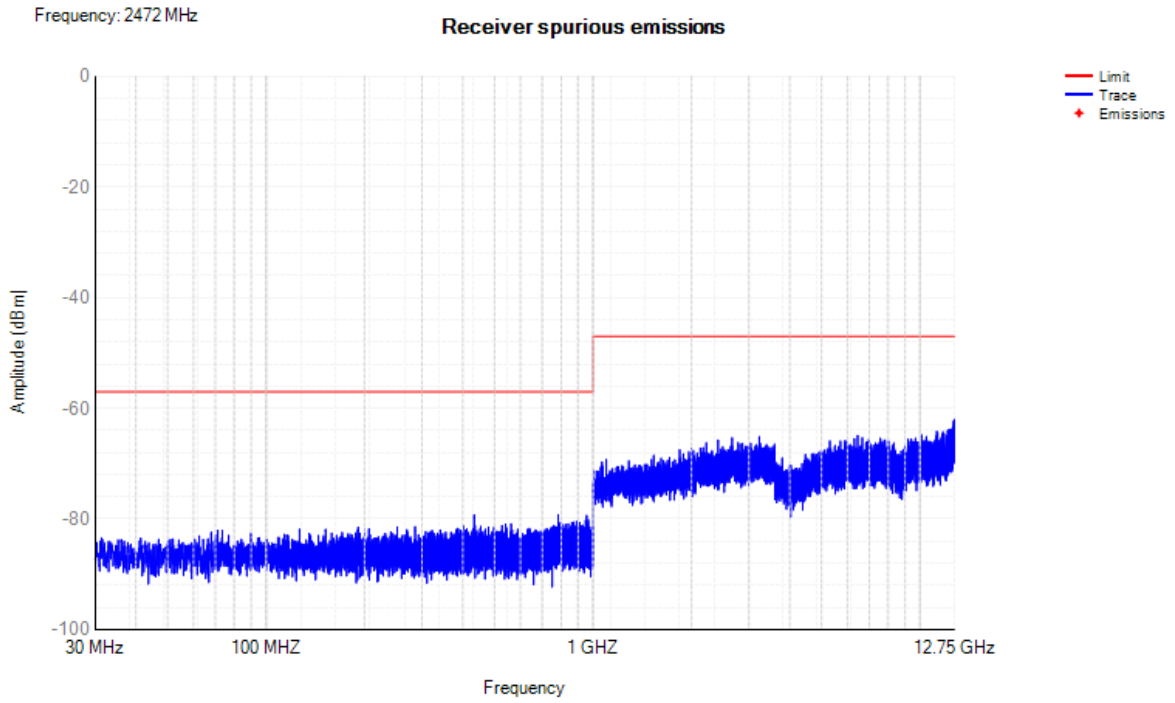
Rx. Spurious NVNT g 2472MHz Ant0



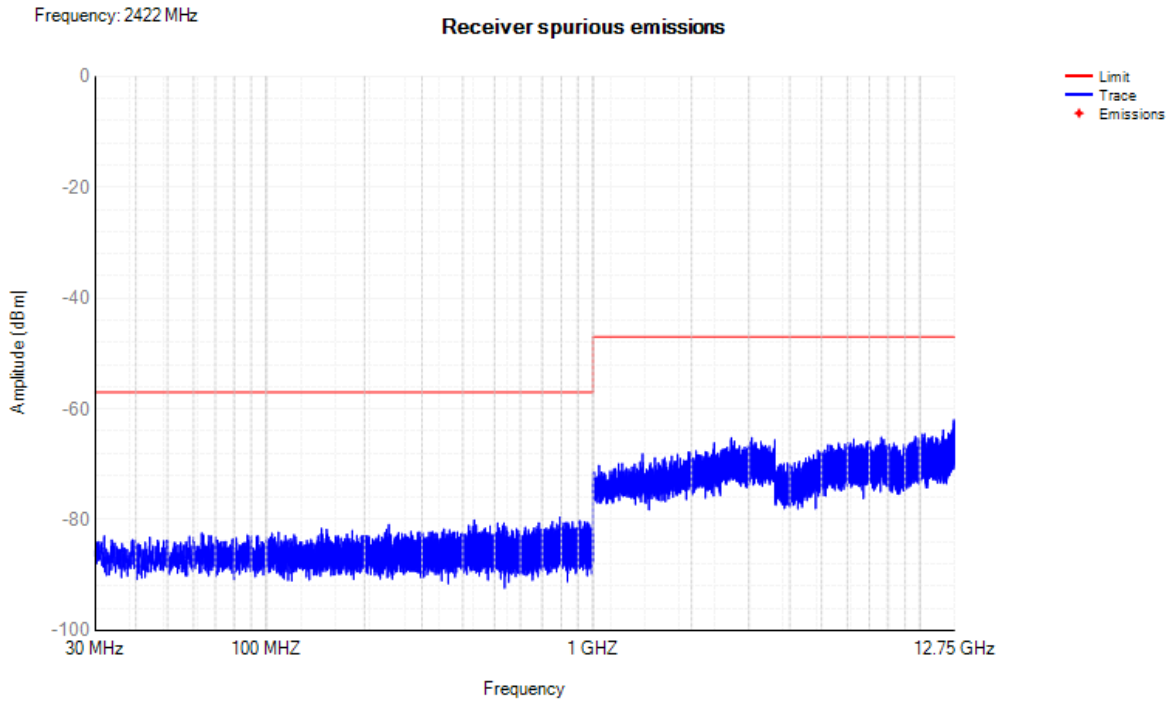
Rx. Spurious NVNT n20 2412MHz Ant0



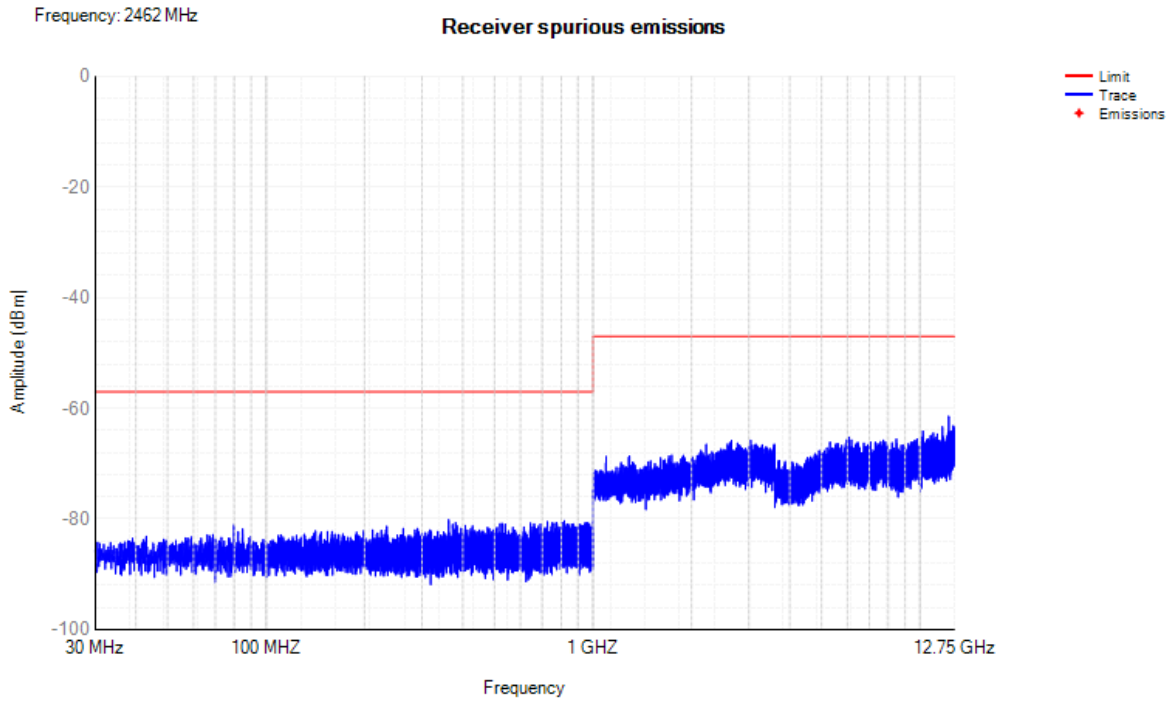
Rx. Spurious NVNT n20 2472MHz Ant0



Rx. Spurious NVNT n40 2422MHz Ant0



Rx. Spurious NVNT n40 2462MHz Ant0



E.8 Receiver Blocking

The Worst Case: ANT0

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	-27	≥-34	CW	2.88	10	Pass
			2504	-26	≥-34	CW	4.43	10	Pass
		-74	2300	-30	≥-34	CW	2.22	10	Pass
			2330	-27	≥-34	CW	2.40	10	Pass
			2360	-23	≥-34	CW	3.65	10	Pass
			2524	-26	≥-34	CW	2.75	10	Pass
			2584	-24	≥-34	CW	2.48	10	Pass
			2674	-25	≥-34	CW	4.91	10	Pass
	2472	-68	2380	-29	≥-34	CW	2.67	10	Pass
			2504	-26	≥-34	CW	2.31	10	Pass
		-74	2300	-28	≥-34	CW	2.37	10	Pass
			2330	-32	≥-34	CW	1.17	10	Pass
			2360	-25	≥-34	CW	3.17	10	Pass
			2524	-30	≥-34	CW	1.42	10	Pass
			2584	-29	≥-34	CW	2.28	10	Pass
			2674	-23	≥-34	CW	2.70	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	3.52	10	Pass
			2504	-23	≥-34	CW	2.17	10	Pass
		-74	2300	-25	≥-34	CW	4.73	10	Pass
			2330	-26	≥-34	CW	3.17	10	Pass
			2360	-27	≥-34	CW	1.37	10	Pass
			2524	-32	≥-34	CW	3.02	10	Pass
			2584	-31	≥-34	CW	4.09	10	Pass
			2674	-32	≥-34	CW	2.66	10	Pass
	2472	-68	2380	-27	≥-34	CW	1.47	10	Pass
			2504	-24	≥-34	CW	5.02	10	Pass
		-74	2300	-29	≥-34	CW	5.20	10	Pass
			2330	-27	≥-34	CW	2.45	10	Pass
			2360	-28	≥-34	CW	2.12	10	Pass
			2524	-31	≥-34	CW	1.56	10	Pass
			2584	-27	≥-34	CW	3.32	10	Pass
			2674	-23	≥-34	CW	2.12	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	-30	≥-34	CW	2.94	10	Pass
			2504	-23	≥-34	CW	1.05	10	Pass
		-74	2300	-24	≥-34	CW	5.56	10	Pass
			2330	-31	≥-34	CW	2.28	10	Pass
			2360	-27	≥-34	CW	2.35	10	Pass
			2524	-31	≥-34	CW	2.56	10	Pass
			2584	-28	≥-34	CW	3.77	10	Pass
			2674	-32	≥-34	CW	3.97	10	Pass
	2472	-68	2380	-24	≥-34	CW	4.60	10	Pass
			2504	-25	≥-34	CW	2.54	10	Pass
		-74	2300	-33	≥-34	CW	3.86	10	Pass
			2330	-32	≥-34	CW	1.23	10	Pass
			2360	-26	≥-34	CW	3.34	10	Pass
			2524	-31	≥-34	CW	3.01	10	Pass
			2584	-25	≥-34	CW	2.73	10	Pass
			2674	-33	≥-34	CW	2.05	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	
802.11n40	2422	-68	2380	-28	≥-34	CW	2.08	10	Pass
			2504	-32	≥-34	CW	3.85	10	Pass
		-74	2300	-24	≥-34	CW	3.87	10	Pass
			2330	-24	≥-34	CW	2.20	10	Pass
			2360	-26	≥-34	CW	1.65	10	Pass
			2524	-30	≥-34	CW	4.11	10	Pass
			2584	-24	≥-34	CW	1.03	10	Pass
			2674	-29	≥-34	CW	2.97	10	Pass
	2462	-68	2380	-23	≥-34	CW	2.95	10	Pass
			2504	-27	≥-34	CW	2.66	10	Pass
		-74	2300	-32	≥-34	CW	2.60	10	Pass
			2330	-26	≥-34	CW	5.12	10	Pass
			2360	-27	≥-34	CW	3.26	10	Pass
			2524	-25	≥-34	CW	3.71	10	Pass
			2584	-29	≥-34	CW	4.57	10	Pass
			2674	-24	≥-34	CW	3.68	10	Pass