

Test Report

Product Name: 433MHz RF Bridge

Test Model: RF Bridge

Environmental Conditions

Temperature:	23.7°C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	David Luo
Supervised by:	Wang Chuang

1. RF Output Power

Condition	Mode	Frequency (MHz)	Max EIRP (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	12.02	20	Pass
NVNT	b	2442	11.16	20	Pass
NVNT	b	2472	11.43	20	Pass
NVNT	g	2412	10.64	20	Pass
NVNT	g	2442	11.18	20	Pass
NVNT	g	2472	10.10	20	Pass
NVNT	n20	2412	11.14	20	Pass
NVNT	n20	2442	10.27	20	Pass
NVNT	n20	2472	10.15	20	Pass

Condition	Mode	Frequency (MHz)	Max EIRP (dBm)	Limit (dBm)	Verdict
NVLT	b	2412	11.80	20	Pass
NVLT	b	2442	10.99	20	Pass
NVLT	b	2472	11.27	20	Pass
NVLT	g	2412	10.54	20	Pass
NVLT	g	2442	10.98	20	Pass
NVLT	g	2472	9.90	20	Pass
NVLT	n20	2412	10.96	20	Pass
NVLT	n20	2442	10.06	20	Pass
NVLT	n20	2472	9.90	20	Pass

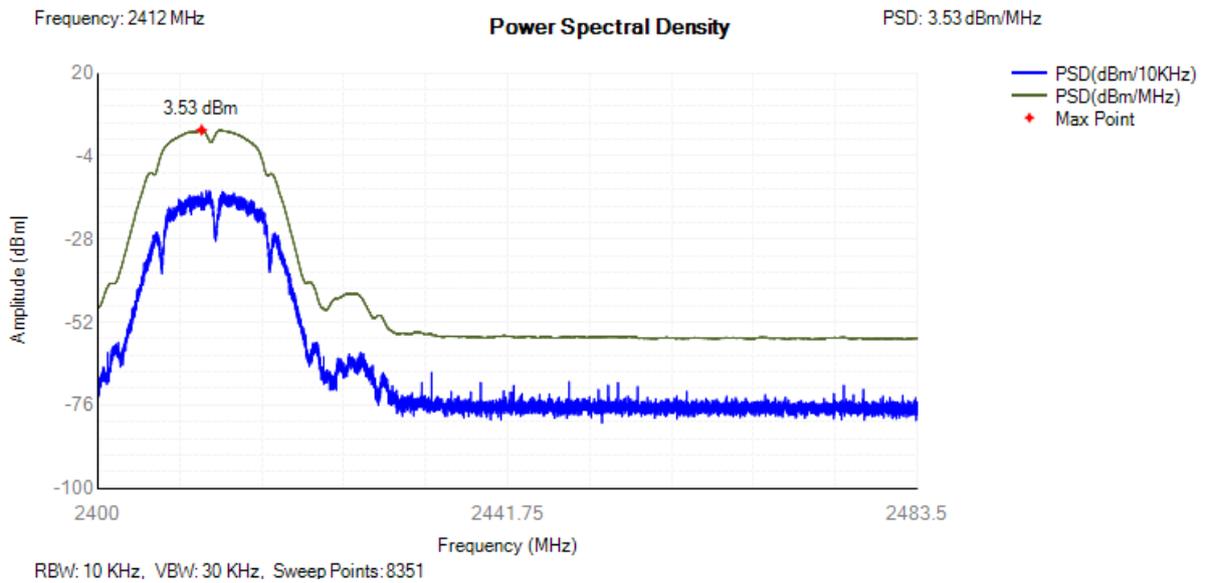
Condition	Mode	Frequency (MHz)	Max EIRP (dBm)	Limit (dBm)	Verdict
NVHT	b	2412	11.86	20	Pass
NVHT	b	2442	11.00	20	Pass
NVHT	b	2472	11.32	20	Pass
NVHT	g	2412	10.48	20	Pass
NVHT	g	2442	11.07	20	Pass
NVHT	g	2472	9.95	20	Pass
NVHT	n20	2412	10.97	20	Pass
NVHT	n20	2442	10.16	20	Pass
NVHT	n20	2472	9.92	20	Pass

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

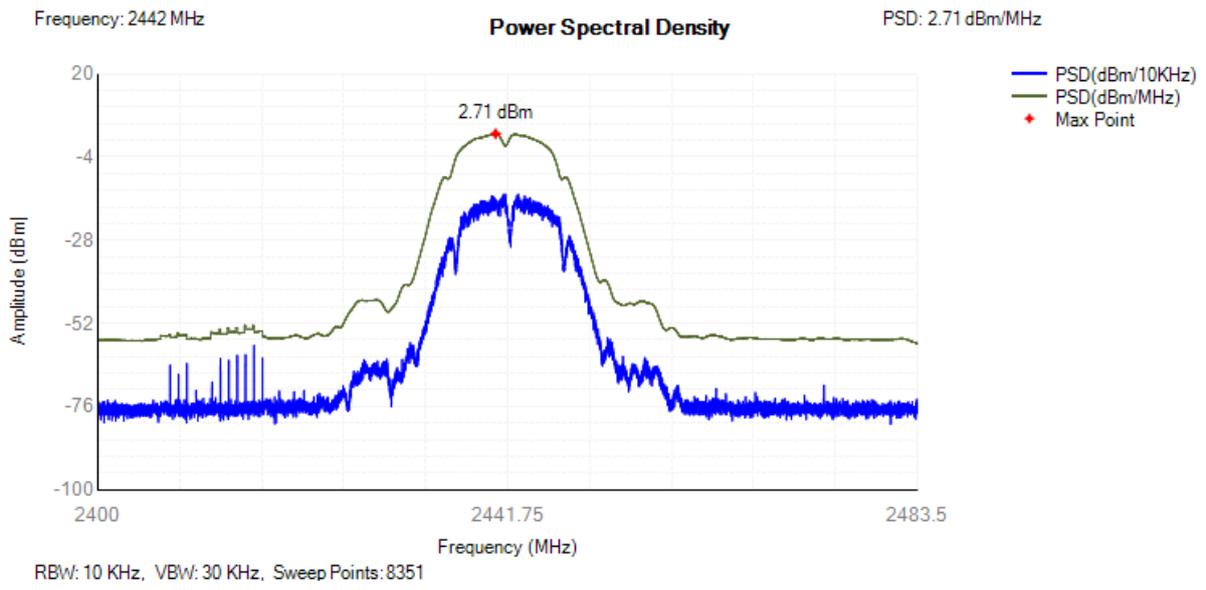
2. Power Spectral Density

Condition	Mode	Frequency (MHz)	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	3.53	10	Pass
NVNT	b	2442	2.71	10	Pass
NVNT	b	2472	2.89	10	Pass
NVNT	g	2412	0.23	10	Pass
NVNT	g	2442	0.64	10	Pass
NVNT	g	2472	-0.39	10	Pass
NVNT	n20	2412	0.32	10	Pass
NVNT	n20	2442	-0.38	10	Pass
NVNT	n20	2472	-0.55	10	Pass

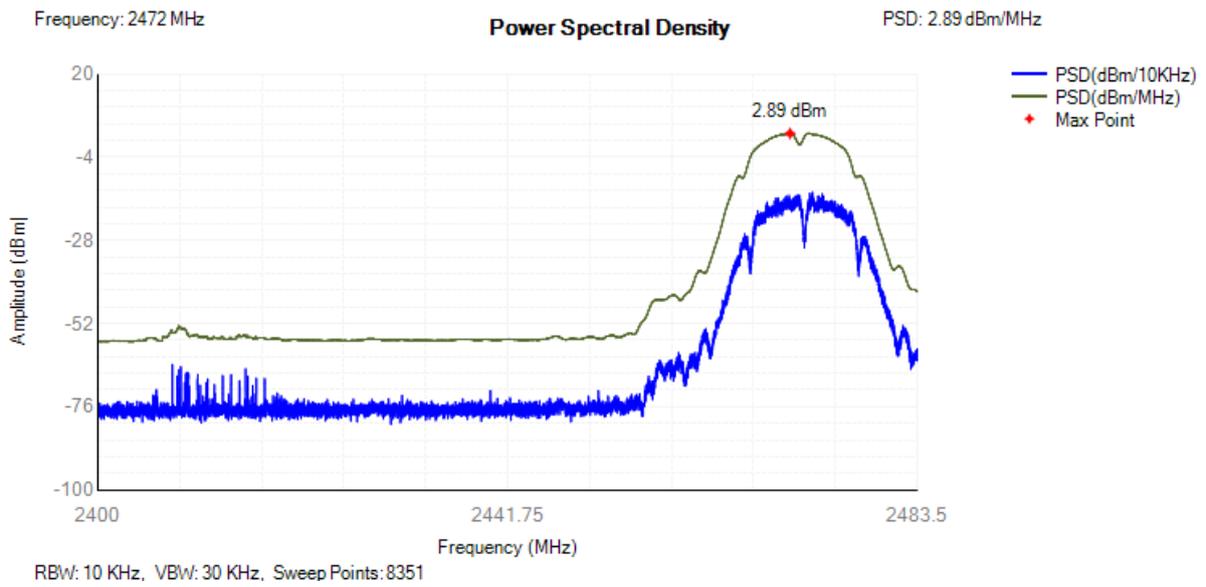
PSD NVNT b 2412MHz



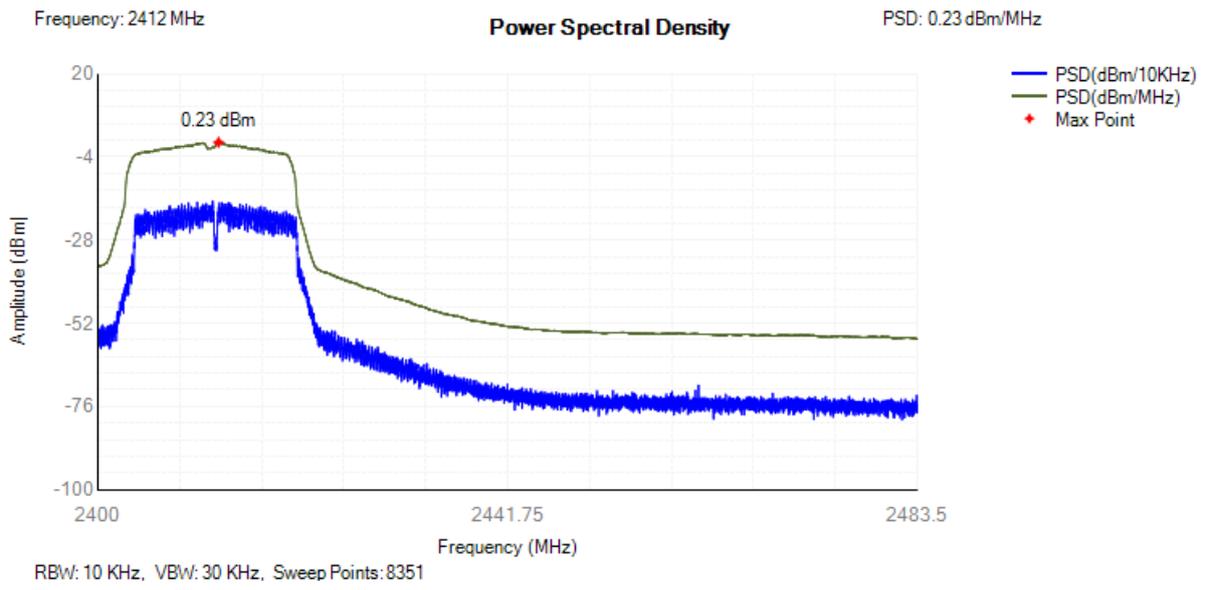
PSD NVNT b 2442MHz



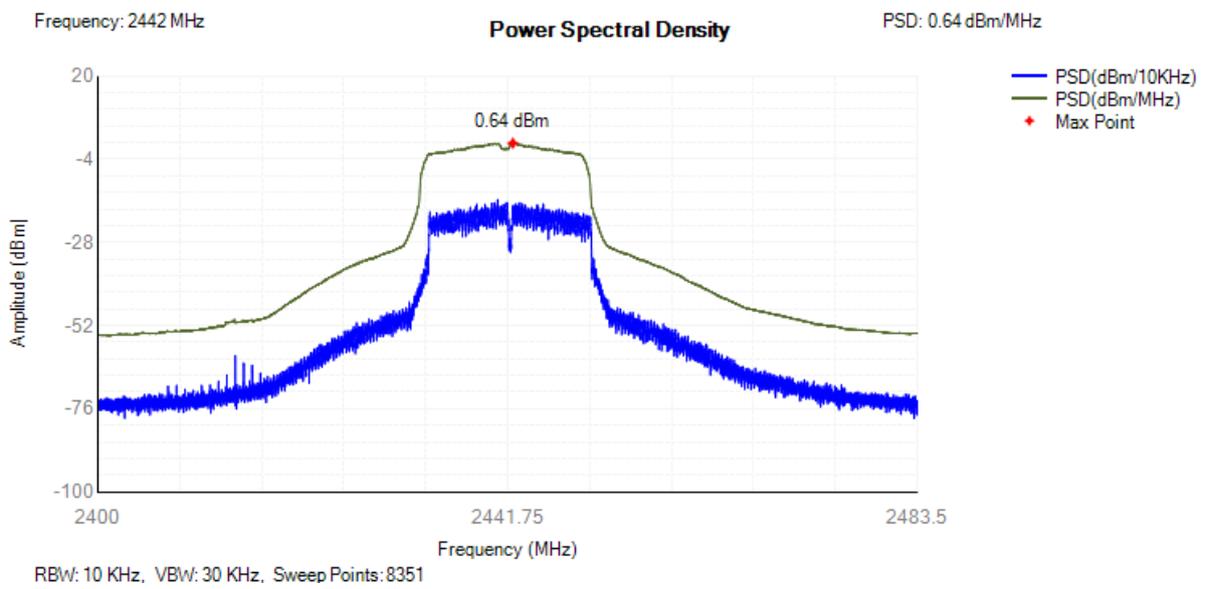
PSD NVNT b 2472MHz



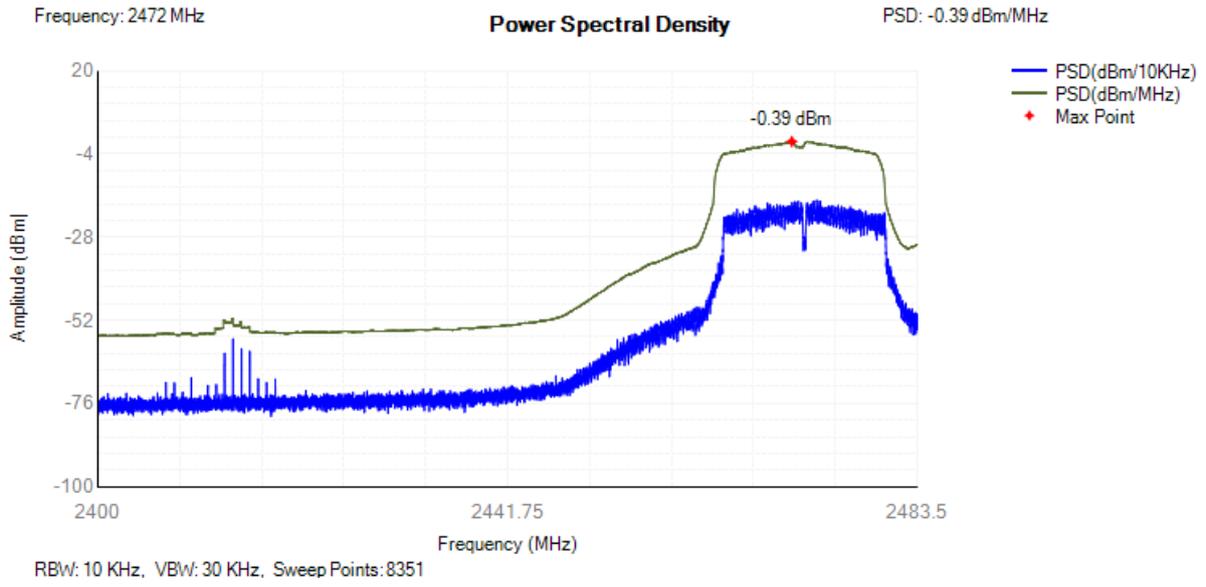
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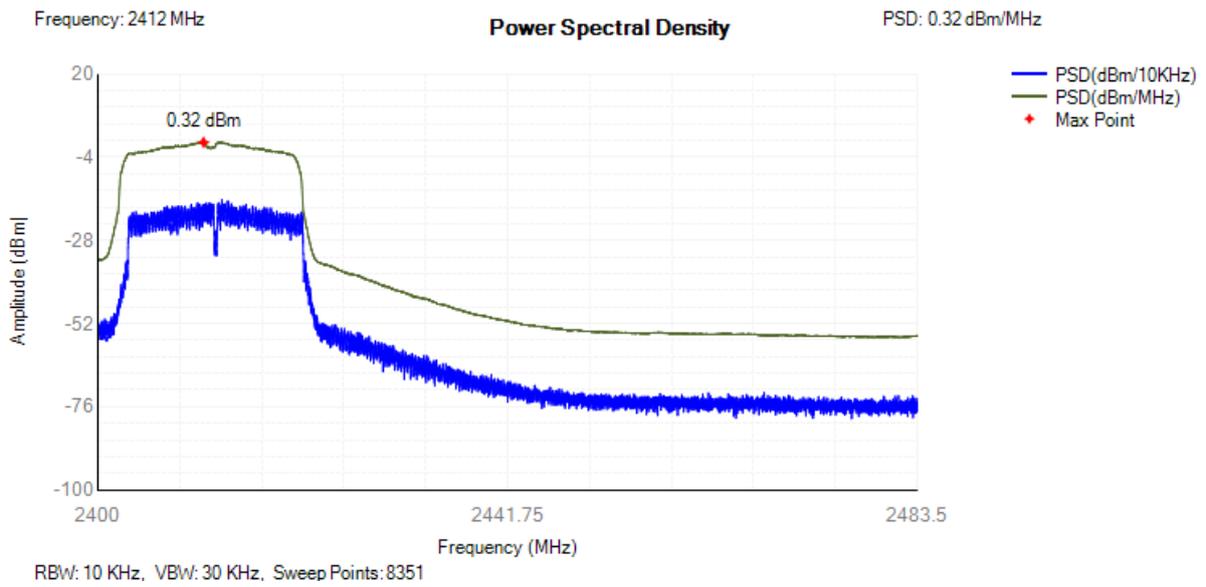
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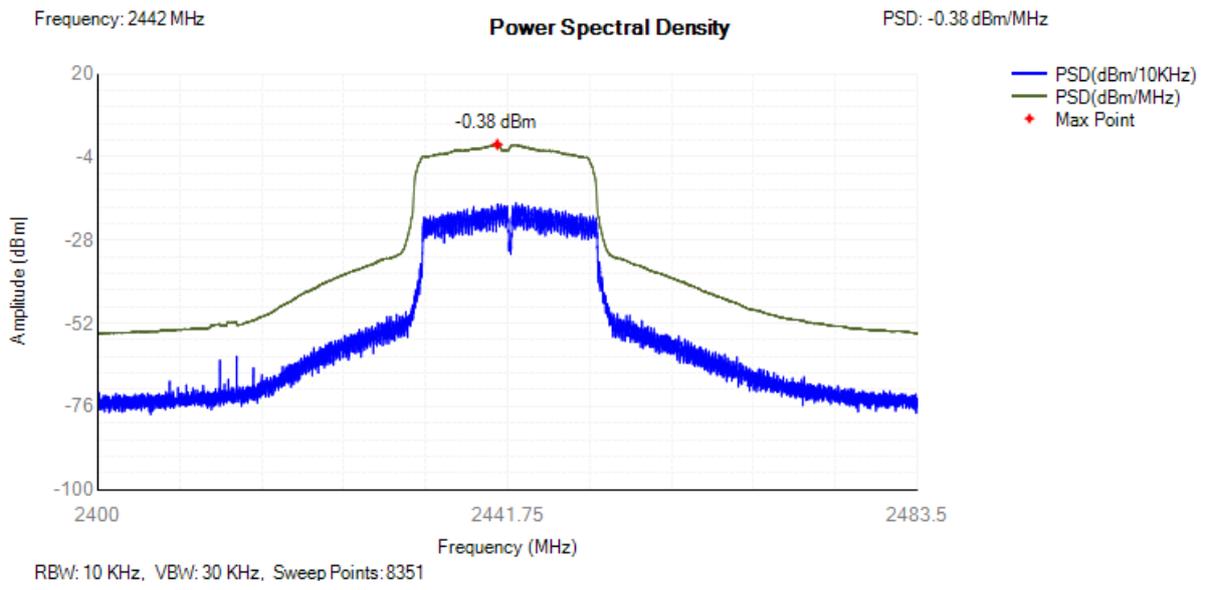
PSD NVNT g 2472MHz



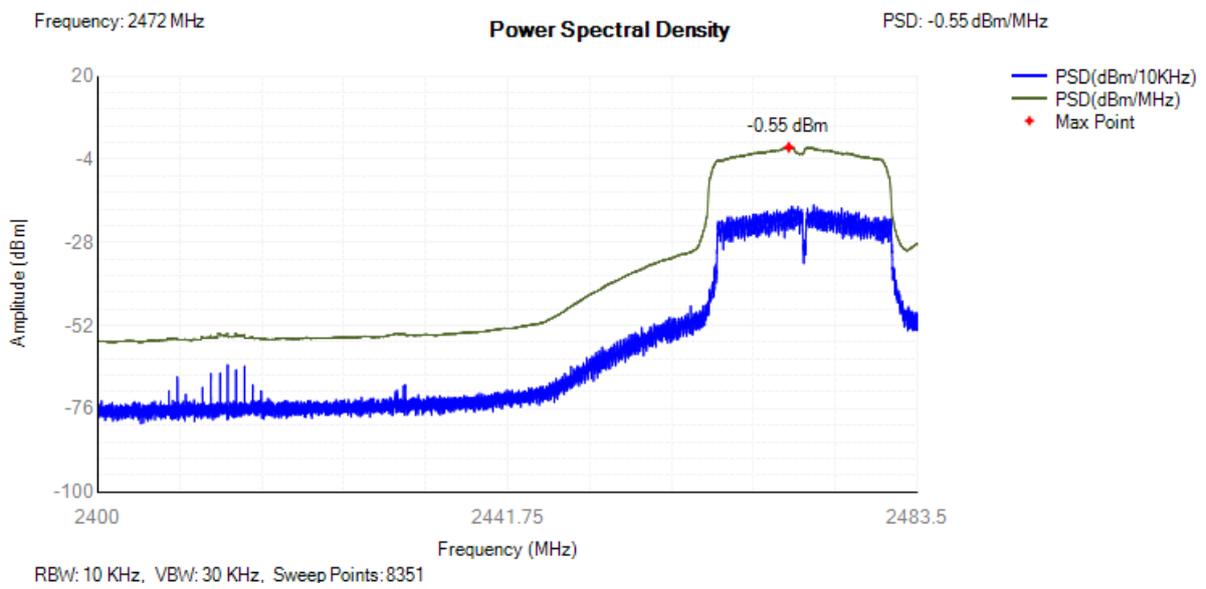
PSD NVNT n20 2412MHz



PSD NVNT n20 2442MHz



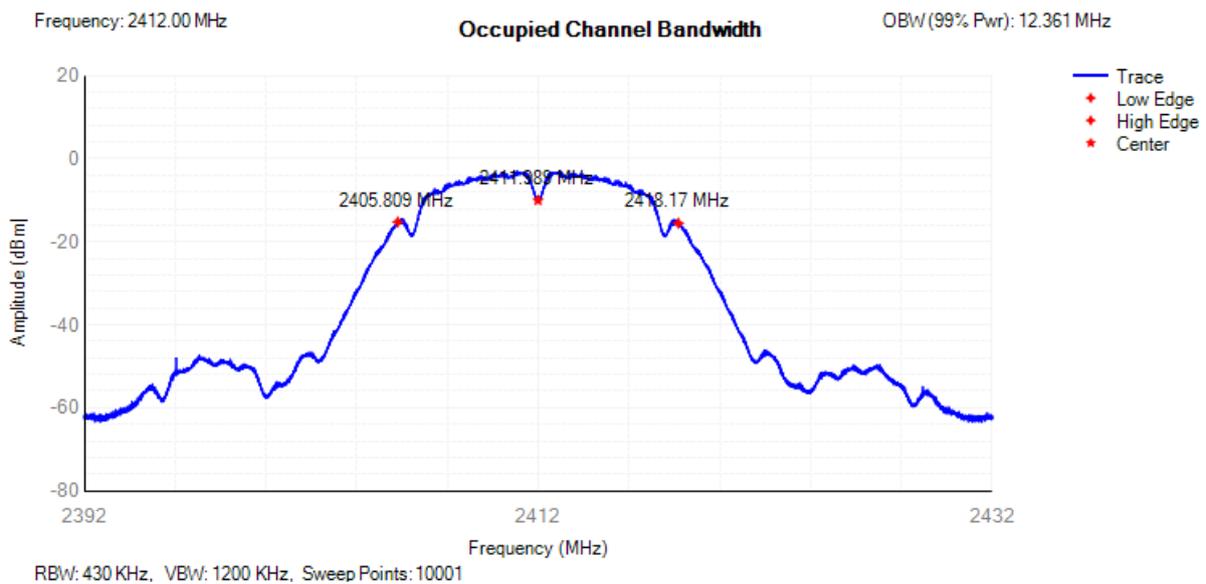
PSD NVNT n20 2472MHz



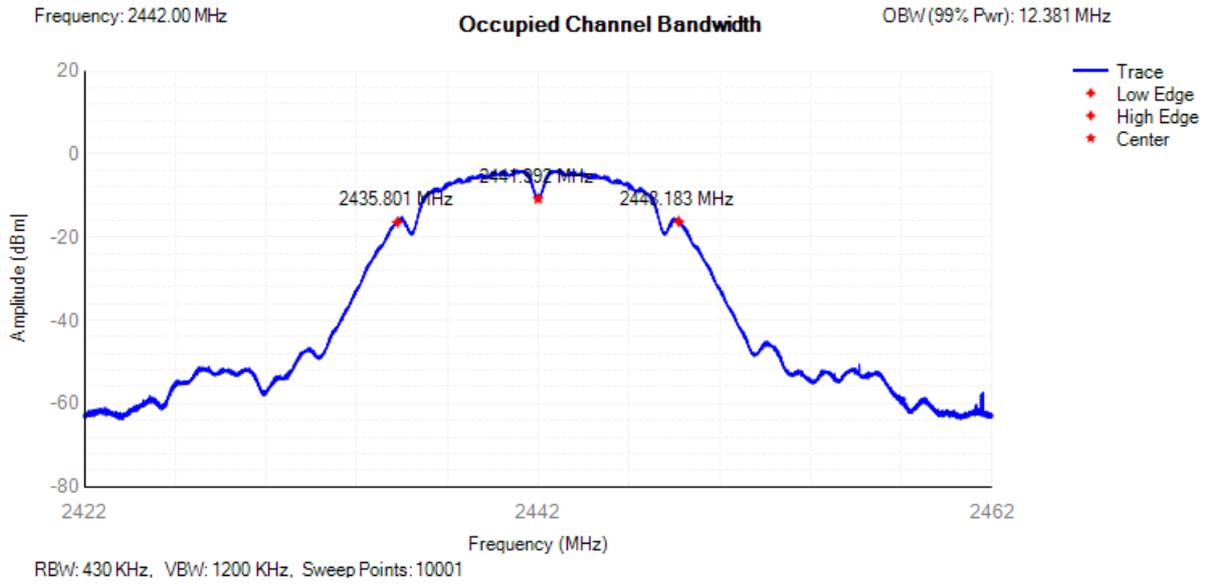
3. Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Center Frequency (MHz)	OBW (MHz)	Lower Edge (MHz)	Upper Edge (MHz)	Limit OBW (MHz)	Verdict
NVNT	b	2412	2411.989	12.361	2405.809	2418.17	2400 - 2483.5MHz	Pass
NVNT	b	2442	2441.992	12.381	2435.801	2448.183	2400 - 2483.5MHz	Pass
NVNT	b	2472	2472.006	12.431	2465.79	2478.221	2400 - 2483.5MHz	Pass
NVNT	g	2412	2411.987	16.493	2403.74	2420.234	2400 - 2483.5MHz	Pass
NVNT	g	2442	2441.986	16.532	2433.72	2450.252	2400 - 2483.5MHz	Pass
NVNT	g	2472	2471.992	16.516	2463.733	2480.25	2400 - 2483.5MHz	Pass
NVNT	n20	2412	2411.985	17.666	2403.152	2420.819	2400 - 2483.5MHz	Pass
NVNT	n20	2442	2441.987	17.679	2433.147	2450.827	2400 - 2483.5MHz	Pass
NVNT	n20	2472	2471.992	17.688	2463.148	2480.836	2400 - 2483.5MHz	Pass

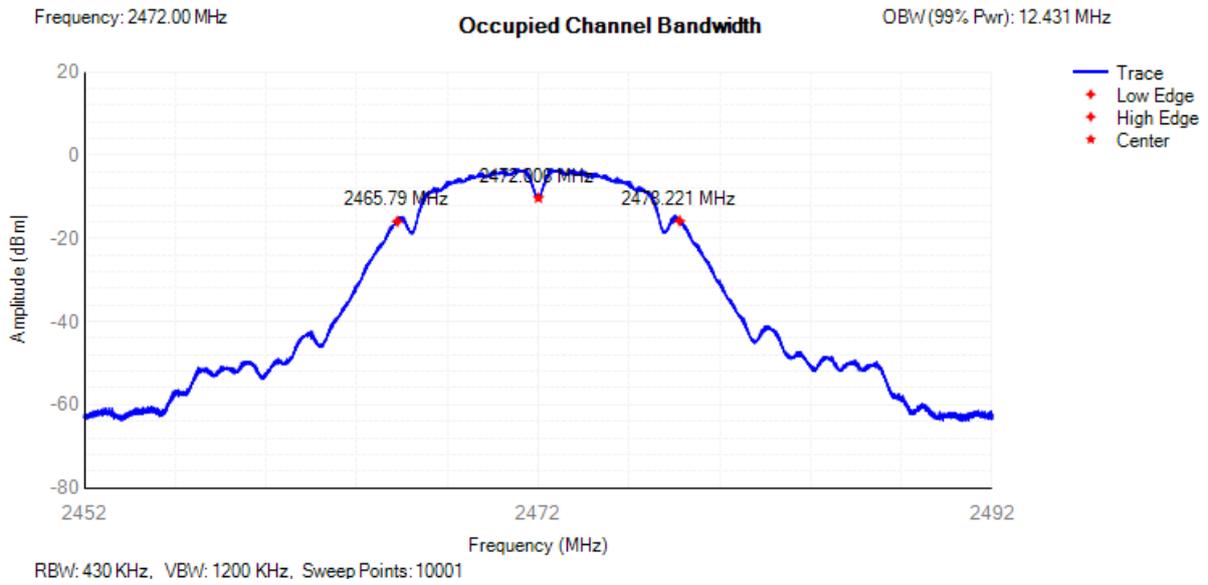
OBW NVNT b 2412MHz



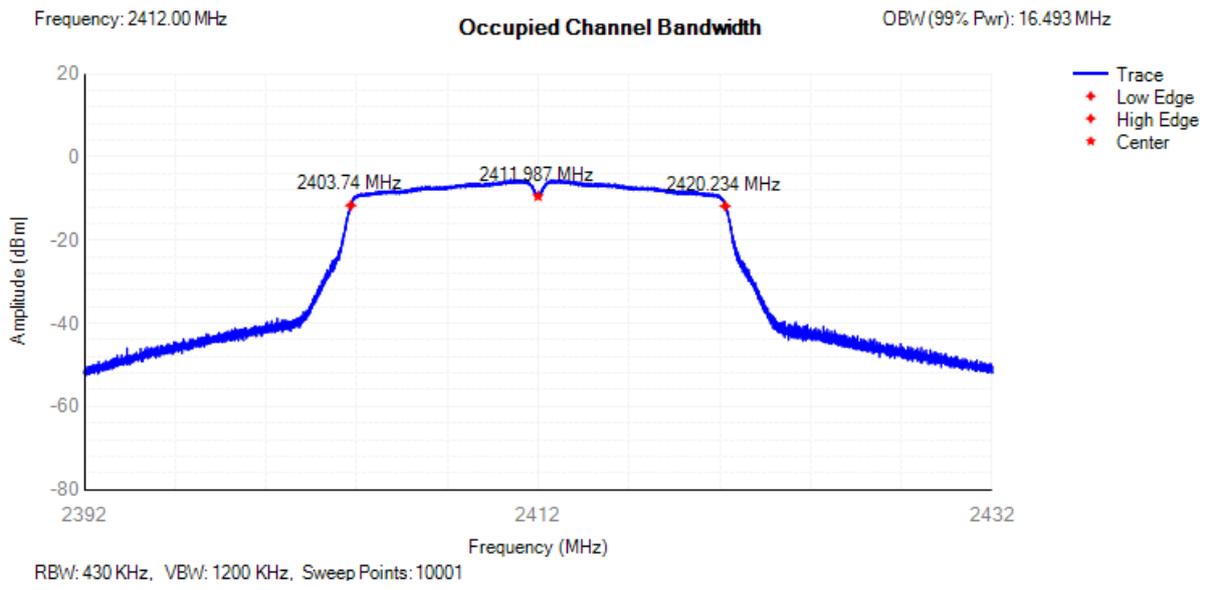
OBW NVNT b 2442MHz



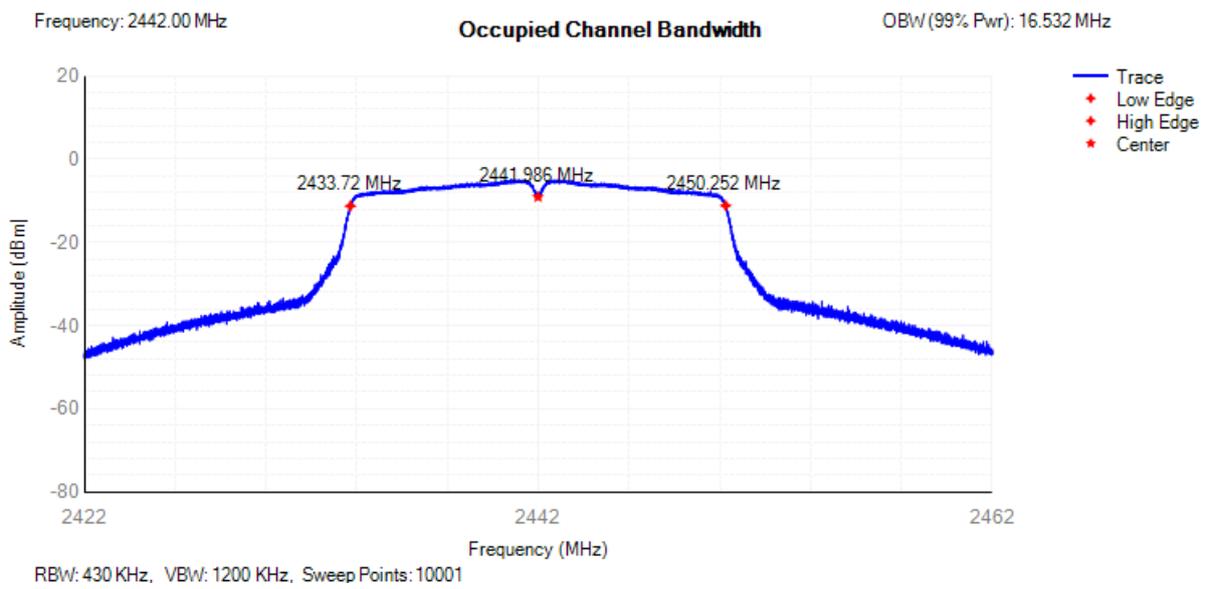
OBW NVNT b 2472MHz



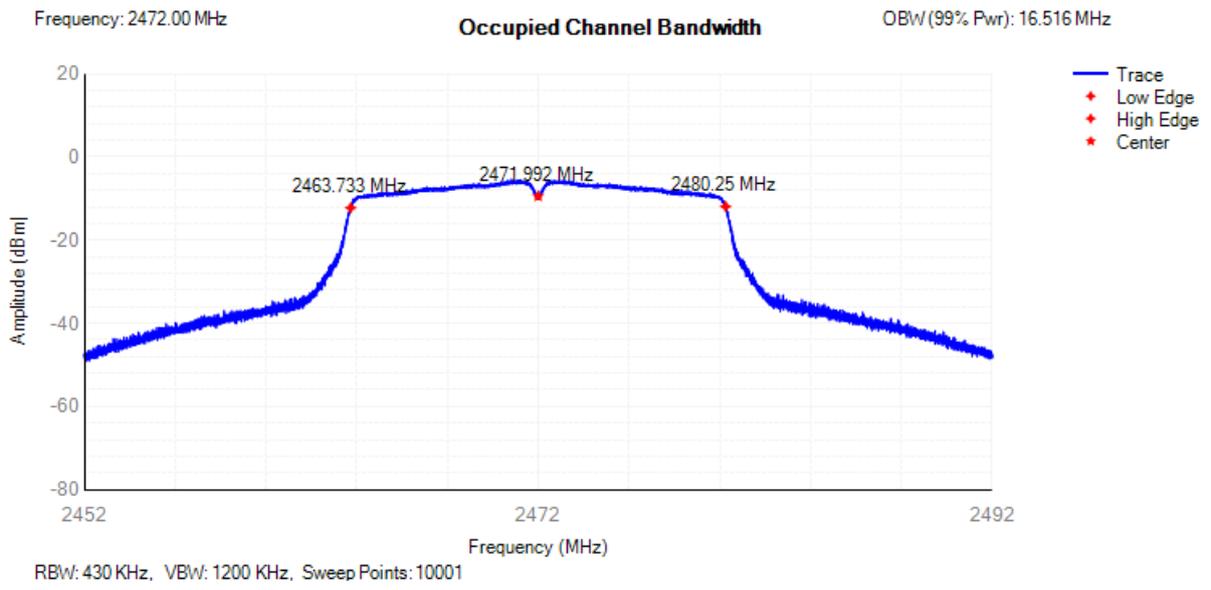
OBW NVNT g 2412MHz



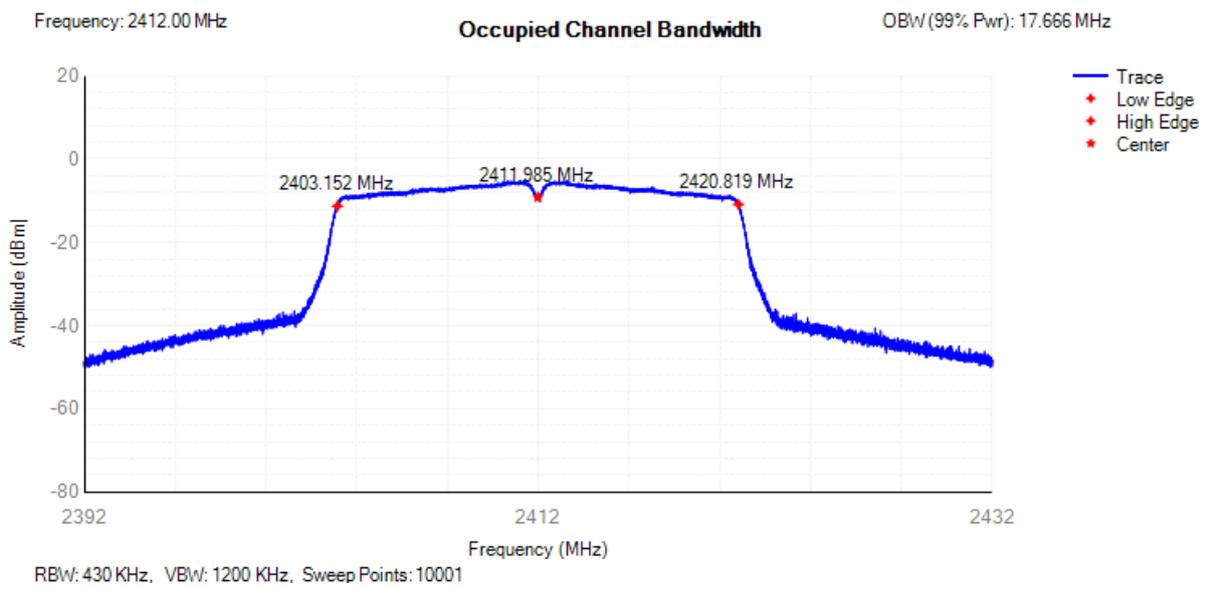
OBW NVNT g 2442MHz



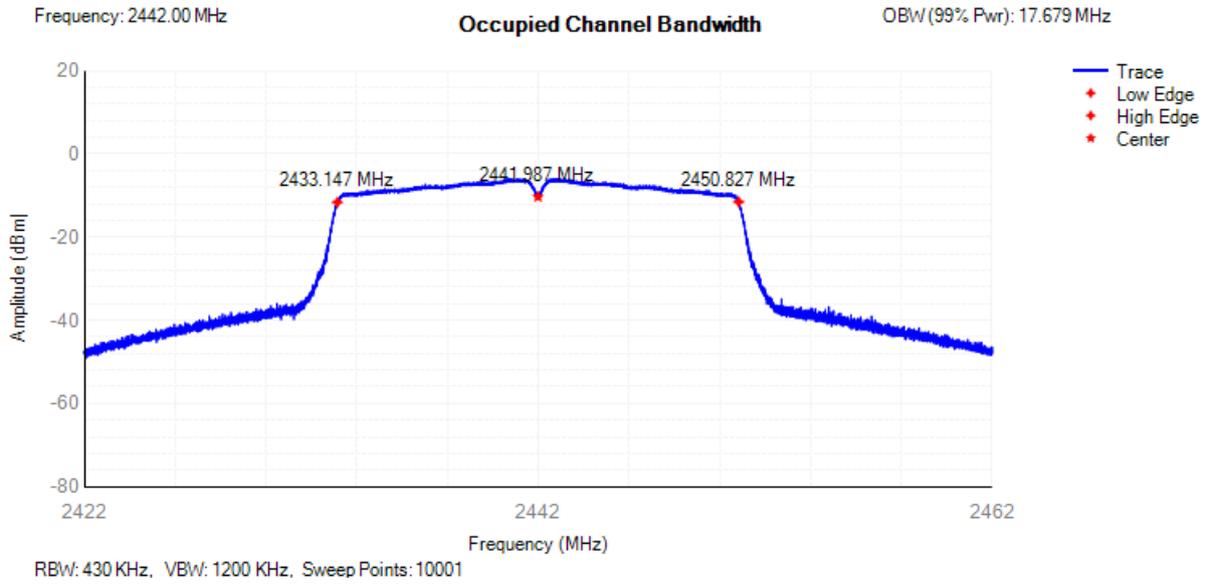
OBW NVNT g 2472MHz



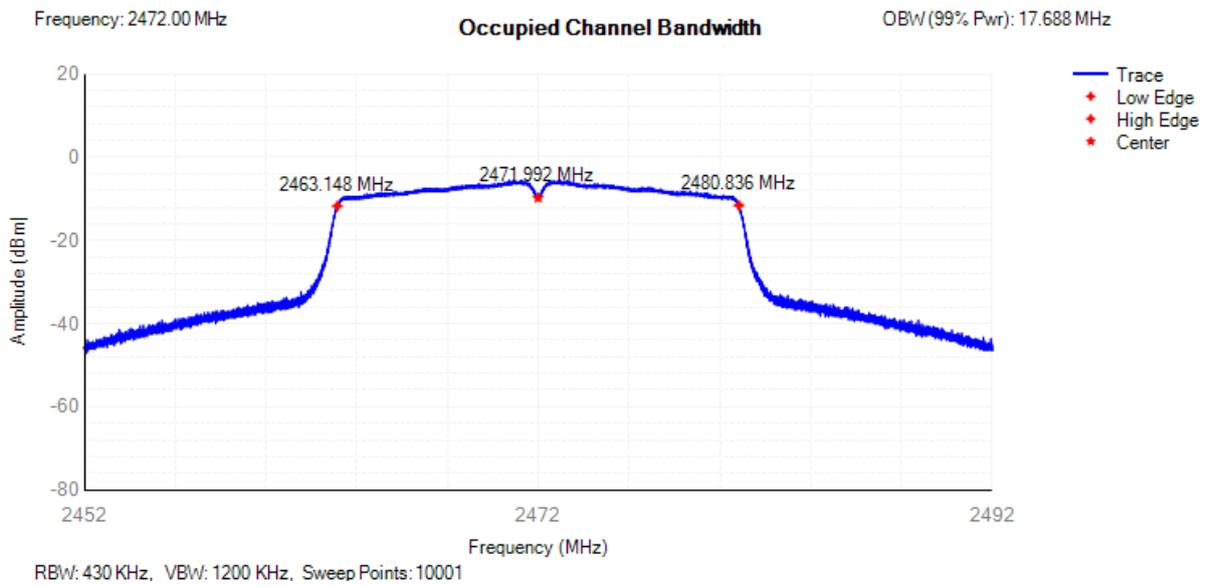
OBW NVNT n20 2412MHz



OBW NVNT n20 2442MHz



OBW NVNT n20 2472MHz



4. Transmitter unwanted emissions in the out-of-band domain

Condition	Mode	Frequency (MHz)	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	2399.5	-45.84	-10	Pass
NVNT	b	2412	2398.5	-42.75	-10	Pass
NVNT	b	2412	2397.5	-43.63	-10	Pass
NVNT	b	2412	2396.5	-44.92	-10	Pass
NVNT	b	2412	2395.5	-49.92	-10	Pass
NVNT	b	2412	2394.5	-52.14	-10	Pass
NVNT	b	2412	2393.5	-57.8	-10	Pass
NVNT	b	2412	2392.5	-60.62	-10	Pass
NVNT	b	2412	2391.5	-60.81	-10	Pass
NVNT	b	2412	2390.5	-59.28	-10	Pass
NVNT	b	2412	2389.5	-61.48	-10	Pass
NVNT	b	2412	2388.5	-60.77	-10	Pass
NVNT	b	2412	2388.139	-61.88	-10	Pass
NVNT	b	2412	2387.139	-57.45	-20	Pass
NVNT	b	2412	2386.139	-57.81	-20	Pass
NVNT	b	2412	2385.139	-60.12	-20	Pass
NVNT	b	2412	2384.139	-65.48	-20	Pass
NVNT	b	2412	2383.139	-59.78	-20	Pass
NVNT	b	2412	2382.139	-61.59	-20	Pass
NVNT	b	2412	2381.139	-67.42	-20	Pass
NVNT	b	2412	2380.139	-62.53	-20	Pass
NVNT	b	2412	2379.139	-62.59	-20	Pass
NVNT	b	2412	2378.139	-65.2	-20	Pass
NVNT	b	2412	2377.139	-62.21	-20	Pass
NVNT	b	2412	2376.139	-65.97	-20	Pass
NVNT	b	2412	2375.778	-62.1	-20	Pass
NVNT	b	2472	2484	-44.26	-10	Pass
NVNT	b	2472	2485	-44.12	-10	Pass
NVNT	b	2472	2486	-44.47	-10	Pass
NVNT	b	2472	2487	-45.01	-10	Pass
NVNT	b	2472	2488	-54.6	-10	Pass
NVNT	b	2472	2489	-58.99	-10	Pass
NVNT	b	2472	2490	-62.95	-10	Pass
NVNT	b	2472	2491	-62.4	-10	Pass
NVNT	b	2472	2492	-62.98	-10	Pass
NVNT	b	2472	2493	-61.54	-10	Pass
NVNT	b	2472	2494	-64.22	-10	Pass

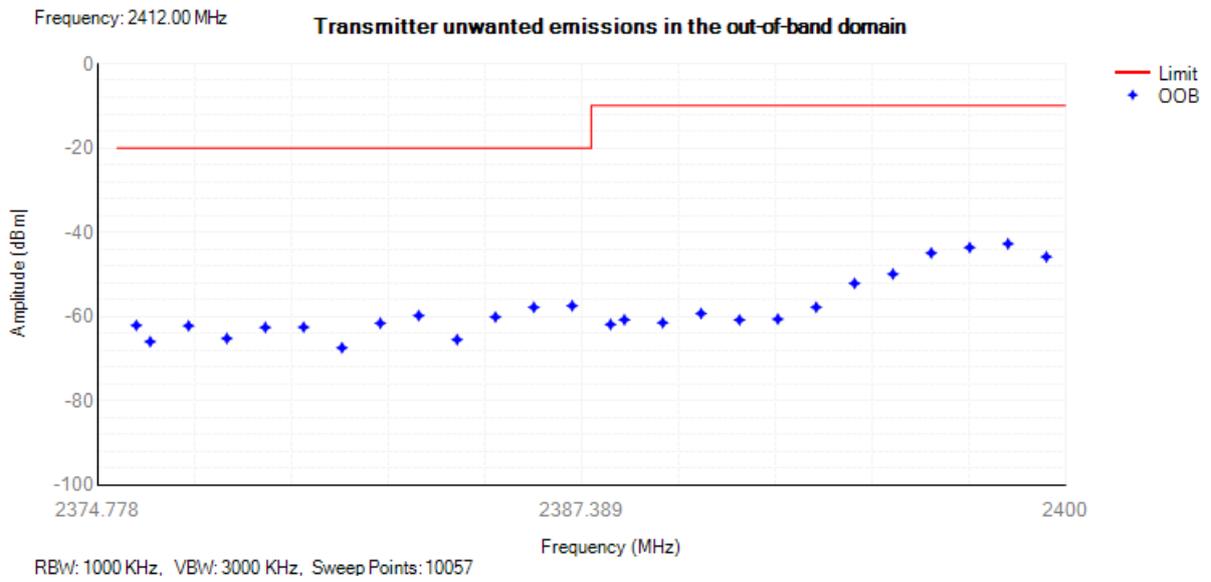
NVNT	b	2472	2495	-65.18	-10	Pass
NVNT	b	2472	2495.431	-63.98	-10	Pass
NVNT	b	2472	2496.431	-64.86	-20	Pass
NVNT	b	2472	2497.431	-64.96	-20	Pass
NVNT	b	2472	2498.431	-65.62	-20	Pass
NVNT	b	2472	2499.431	-67.16	-20	Pass
NVNT	b	2472	2500.431	-67.37	-20	Pass
NVNT	b	2472	2501.431	-66.27	-20	Pass
NVNT	b	2472	2502.431	-65.63	-20	Pass
NVNT	b	2472	2503.431	-67.03	-20	Pass
NVNT	b	2472	2504.431	-66.15	-20	Pass
NVNT	b	2472	2505.431	-66.21	-20	Pass
NVNT	b	2472	2506.431	-67.07	-20	Pass
NVNT	b	2472	2507.431	-66.12	-20	Pass
NVNT	b	2472	2507.862	-67.05	-20	Pass
NVNT	g	2412	2399.5	-35.94	-10	Pass
NVNT	g	2412	2398.5	-37.15	-10	Pass
NVNT	g	2412	2397.5	-38.28	-10	Pass
NVNT	g	2412	2396.5	-39.85	-10	Pass
NVNT	g	2412	2395.5	-41.02	-10	Pass
NVNT	g	2412	2394.5	-42.2	-10	Pass
NVNT	g	2412	2393.5	-43.71	-10	Pass
NVNT	g	2412	2392.5	-45.74	-10	Pass
NVNT	g	2412	2391.5	-46.89	-10	Pass
NVNT	g	2412	2390.5	-48.6	-10	Pass
NVNT	g	2412	2389.5	-50.13	-10	Pass
NVNT	g	2412	2388.5	-51.7	-10	Pass
NVNT	g	2412	2387.5	-52.68	-10	Pass
NVNT	g	2412	2386.5	-53.31	-10	Pass
NVNT	g	2412	2385.5	-53.78	-10	Pass
NVNT	g	2412	2384.5	-53.85	-10	Pass
NVNT	g	2412	2384.007	-54.14	-10	Pass
NVNT	g	2412	2383.007	-54.42	-20	Pass
NVNT	g	2412	2382.007	-54.88	-20	Pass
NVNT	g	2412	2381.007	-55.05	-20	Pass
NVNT	g	2412	2380.007	-55.34	-20	Pass
NVNT	g	2412	2379.007	-55.31	-20	Pass
NVNT	g	2412	2378.007	-55.5	-20	Pass
NVNT	g	2412	2377.007	-55.93	-20	Pass
NVNT	g	2412	2376.007	-56.06	-20	Pass
NVNT	g	2412	2375.007	-56.13	-20	Pass

NVNT	σ	2412	2374.007	-56.05	-20	Pass
NVNT	σ	2412	2373.007	-56.21	-20	Pass
NVNT	σ	2412	2372.007	-56.45	-20	Pass
NVNT	σ	2412	2371.007	-56.45	-20	Pass
NVNT	σ	2412	2370.007	-56.66	-20	Pass
NVNT	σ	2412	2369.007	-56.78	-20	Pass
NVNT	σ	2412	2368.007	-56.86	-20	Pass
NVNT	σ	2412	2367.514	-56.7	-20	Pass
NVNT	σ	2472	2484	-30.51	-10	Pass
NVNT	σ	2472	2485	-31.8	-10	Pass
NVNT	σ	2472	2486	-32.92	-10	Pass
NVNT	σ	2472	2487	-34.18	-10	Pass
NVNT	σ	2472	2488	-35.8	-10	Pass
NVNT	σ	2472	2489	-36.78	-10	Pass
NVNT	σ	2472	2490	-38.4	-10	Pass
NVNT	σ	2472	2491	-39.84	-10	Pass
NVNT	σ	2472	2492	-41.45	-10	Pass
NVNT	σ	2472	2493	-43.15	-10	Pass
NVNT	σ	2472	2494	-44.73	-10	Pass
NVNT	σ	2472	2495	-46.24	-10	Pass
NVNT	σ	2472	2496	-47.18	-10	Pass
NVNT	σ	2472	2497	-48.65	-10	Pass
NVNT	σ	2472	2498	-49.34	-10	Pass
NVNT	σ	2472	2499	-49.87	-10	Pass
NVNT	σ	2472	2499.516	-50.22	-10	Pass
NVNT	σ	2472	2500.516	-50.77	-20	Pass
NVNT	σ	2472	2501.516	-51.71	-20	Pass
NVNT	σ	2472	2502.516	-52.14	-20	Pass
NVNT	σ	2472	2503.516	-52.76	-20	Pass
NVNT	σ	2472	2504.516	-53.12	-20	Pass
NVNT	σ	2472	2505.516	-54.01	-20	Pass
NVNT	σ	2472	2506.516	-54.31	-20	Pass
NVNT	σ	2472	2507.516	-54.86	-20	Pass
NVNT	σ	2472	2508.516	-55.04	-20	Pass
NVNT	σ	2472	2509.516	-55.3	-20	Pass
NVNT	σ	2472	2510.516	-56.13	-20	Pass
NVNT	σ	2472	2511.516	-56.01	-20	Pass
NVNT	σ	2472	2512.516	-56.12	-20	Pass
NVNT	σ	2472	2513.516	-56.48	-20	Pass
NVNT	σ	2472	2514.516	-56.59	-20	Pass
NVNT	σ	2472	2515.516	-56.61	-20	Pass

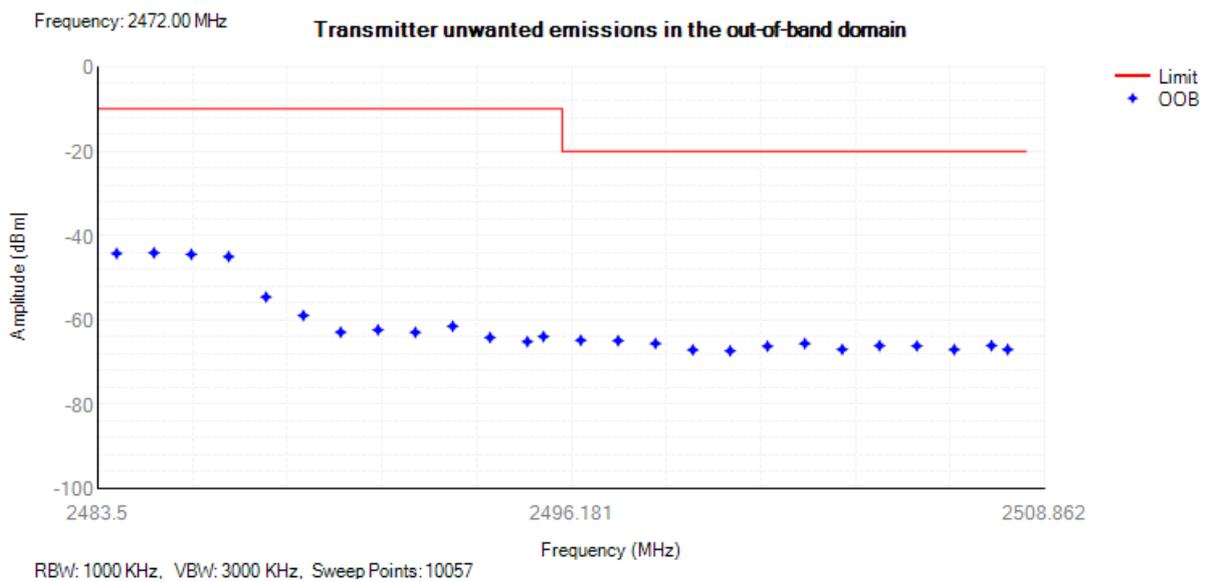
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NVNT	n20	2412	2398.5	-35.19	-10	Pass
NVNT	n20	2412	2397.5	-36.38	-10	Pass
NVNT	n20	2412	2396.5	-37.52	-10	Pass
NVNT	n20	2412	2395.5	-38.81	-10	Pass
NVNT	n20	2412	2394.5	-39.94	-10	Pass
NVNT	n20	2412	2393.5	-41.05	-10	Pass
NVNT	n20	2412	2392.5	-42.55	-10	Pass
NVNT	n20	2412	2391.5	-43.92	-10	Pass
NVNT	n20	2412	2390.5	-45.53	-10	Pass
NVNT	n20	2412	2389.5	-46.98	-10	Pass
NVNT	n20	2412	2388.5	-48.47	-10	Pass
NVNT	n20	2412	2387.5	-50	-10	Pass
NVNT	n20	2412	2386.5	-51.44	-10	Pass
NVNT	n20	2412	2385.5	-52.1	-10	Pass
NVNT	n20	2412	2384.5	-52.85	-10	Pass
NVNT	n20	2412	2383.5	-53.29	-10	Pass
NVNT	n20	2412	2382.834	-53.34	-10	Pass
NVNT	n20	2412	2381.834	-53.86	-20	Pass
NVNT	n20	2412	2380.834	-54.1	-20	Pass
NVNT	n20	2412	2379.834	-54.56	-20	Pass
NVNT	n20	2412	2378.834	-54.94	-20	Pass
NVNT	n20	2412	2377.834	-55.09	-20	Pass
NVNT	n20	2412	2376.834	-55.28	-20	Pass
NVNT	n20	2412	2375.834	-55.65	-20	Pass
NVNT	n20	2412	2374.834	-55.59	-20	Pass
NVNT	n20	2412	2373.834	-55.83	-20	Pass
NVNT	n20	2412	2372.834	-56.1	-20	Pass
NVNT	n20	2412	2371.834	-56.19	-20	Pass
NVNT	n20	2412	2370.834	-56.57	-20	Pass
NVNT	n20	2412	2369.834	-56.44	-20	Pass
NVNT	n20	2412	2368.834	-56.53	-20	Pass
NVNT	n20	2412	2367.834	-56.65	-20	Pass
NVNT	n20	2412	2366.834	-56.86	-20	Pass
NVNT	n20	2412	2365.834	-56.83	-20	Pass
NVNT	n20	2412	2365.168	-56.83	-20	Pass
NVNT	n20	2472	2484	-30.08	-10	Pass
NVNT	n20	2472	2485	-31.33	-10	Pass
NVNT	n20	2472	2486	-32.32	-10	Pass
NVNT	n20	2472	2487	-33.74	-10	Pass

NVNT	n20	2472	2488	-34.62	-10	Pass
NVNT	n20	2472	2489	-35.57	-10	Pass
NVNT	n20	2472	2490	-36.84	-10	Pass
NVNT	n20	2472	2491	-38.36	-10	Pass
NVNT	n20	2472	2492	-39.8	-10	Pass
NVNT	n20	2472	2493	-41.3	-10	Pass
NVNT	n20	2472	2494	-42.83	-10	Pass
NVNT	n20	2472	2495	-44.5	-10	Pass
NVNT	n20	2472	2496	-45.71	-10	Pass
NVNT	n20	2472	2497	-46.97	-10	Pass
NVNT	n20	2472	2498	-48.09	-10	Pass
NVNT	n20	2472	2499	-48.96	-10	Pass
NVNT	n20	2472	2500	-49.84	-10	Pass
NVNT	n20	2472	2500.688	-50.14	-10	Pass
NVNT	n20	2472	2501.688	-50.84	-20	Pass
NVNT	n20	2472	2502.688	-51.35	-20	Pass
NVNT	n20	2472	2503.688	-51.98	-20	Pass
NVNT	n20	2472	2504.688	-52.4	-20	Pass
NVNT	n20	2472	2505.688	-53.23	-20	Pass
NVNT	n20	2472	2506.688	-53.71	-20	Pass
NVNT	n20	2472	2507.688	-54.09	-20	Pass
NVNT	n20	2472	2508.688	-54.6	-20	Pass
NVNT	n20	2472	2509.688	-54.95	-20	Pass
NVNT	n20	2472	2510.688	-55.15	-20	Pass
NVNT	n20	2472	2511.688	-55.57	-20	Pass
NVNT	n20	2472	2512.688	-55.96	-20	Pass
NVNT	n20	2472	2513.688	-56.25	-20	Pass
NVNT	n20	2472	2514.688	-56.42	-20	Pass
NVNT	n20	2472	2515.688	-56.45	-20	Pass
NVNT	n20	2472	2516.688	-56.79	-20	Pass
NVNT	n20	2472	2517.688	-56.88	-20	Pass
NVNT	n20	2472	2518.376	-56.88	-20	Pass

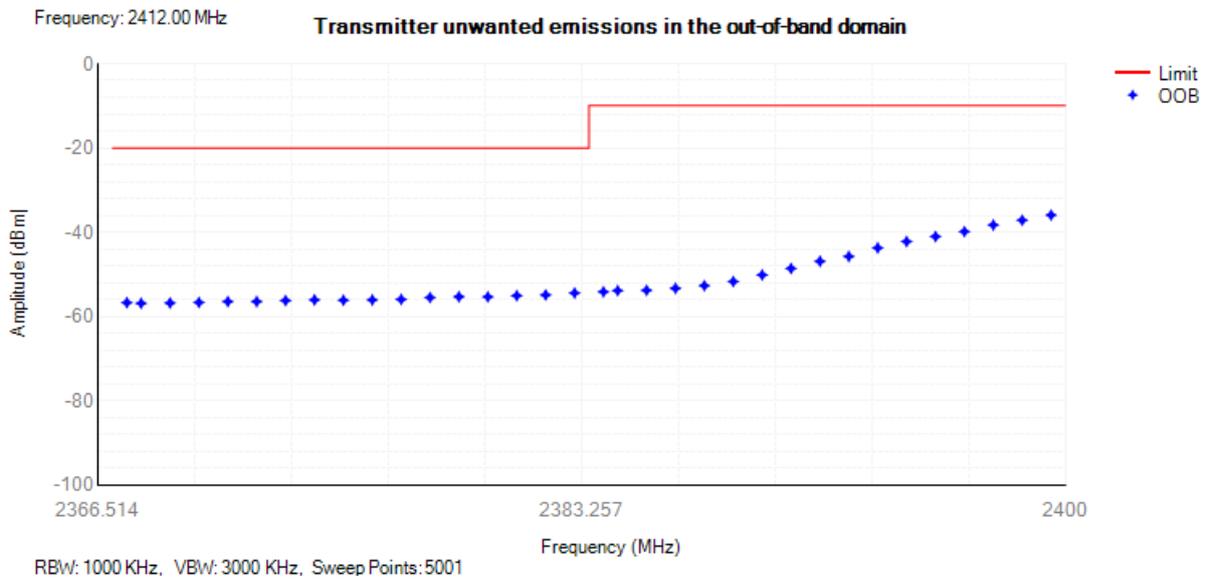
Tx. Emissions OOB NVNT b 2412MHz



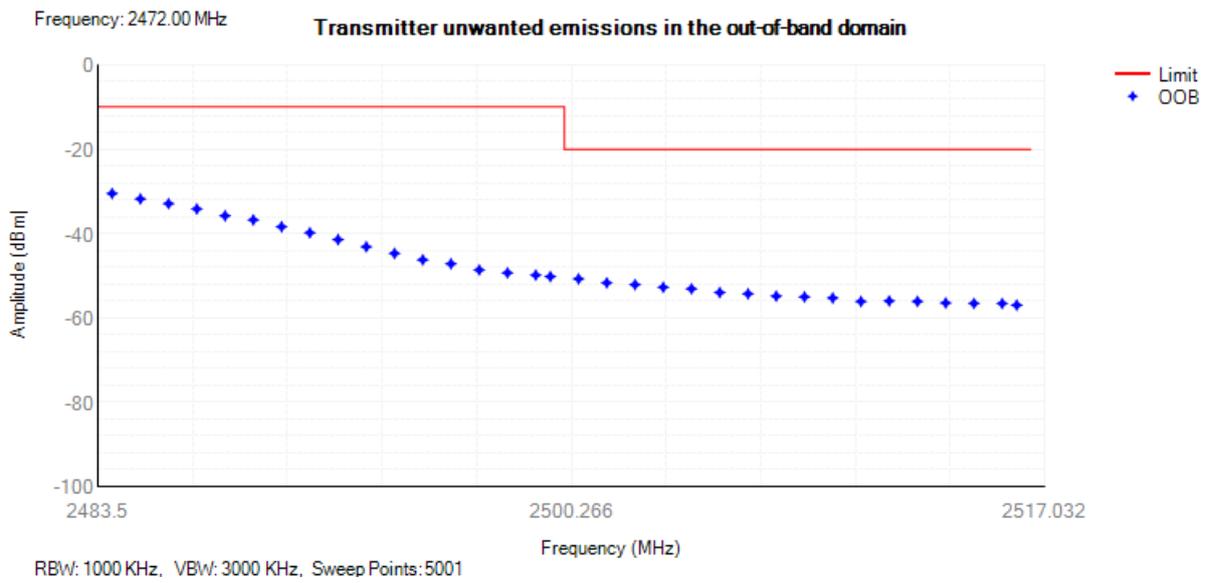
Tx. Emissions OOB NVNT b 2472MHz



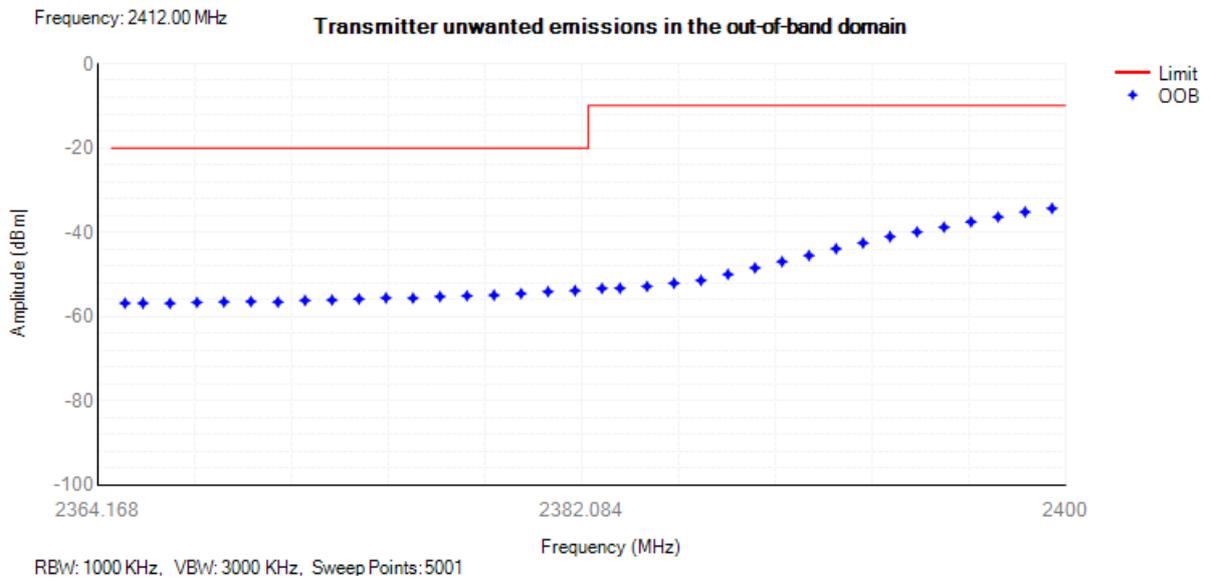
Tx. Emissions OOB NVNT g 2412MHz



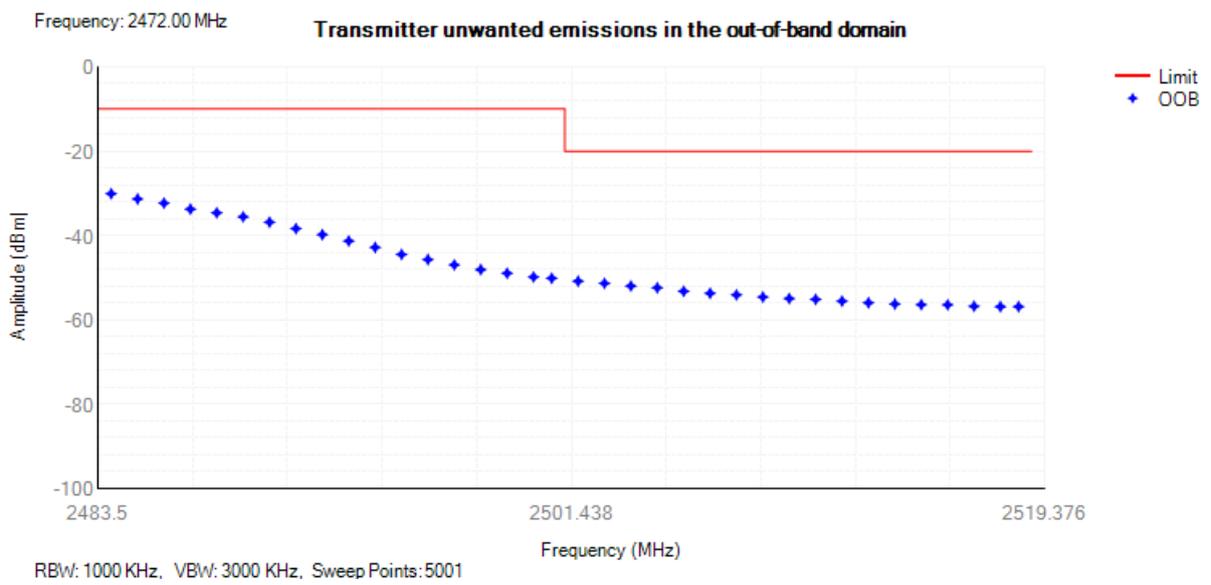
Tx. Emissions OOB NVNT g 2472MHz



Tx. Emissions OOB NVNT n20 2412MHz

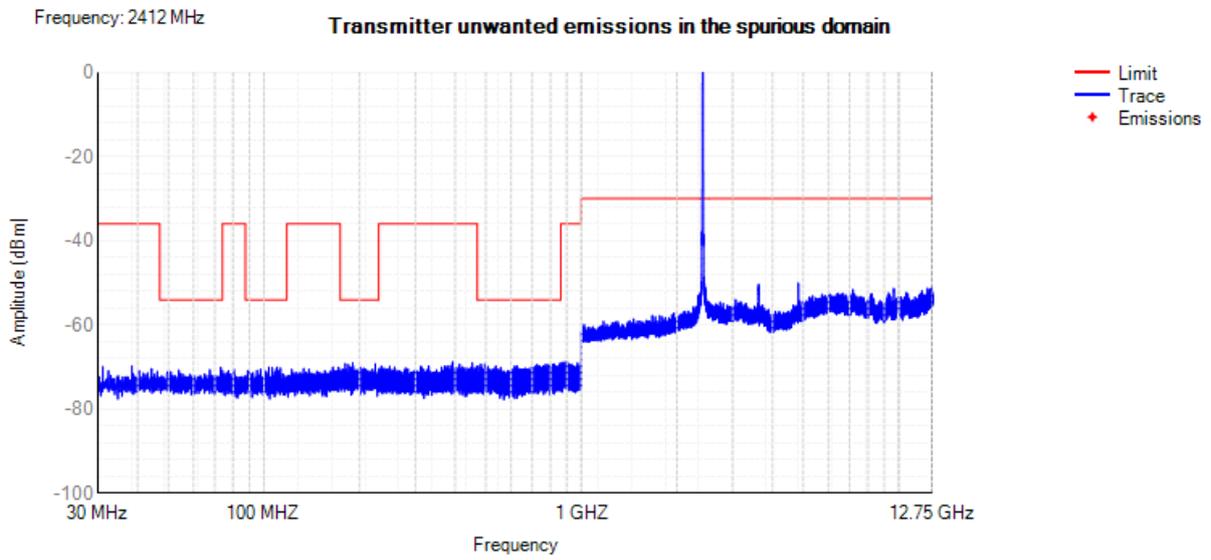


Tx. Emissions OOB NVNT n20 2472MHz

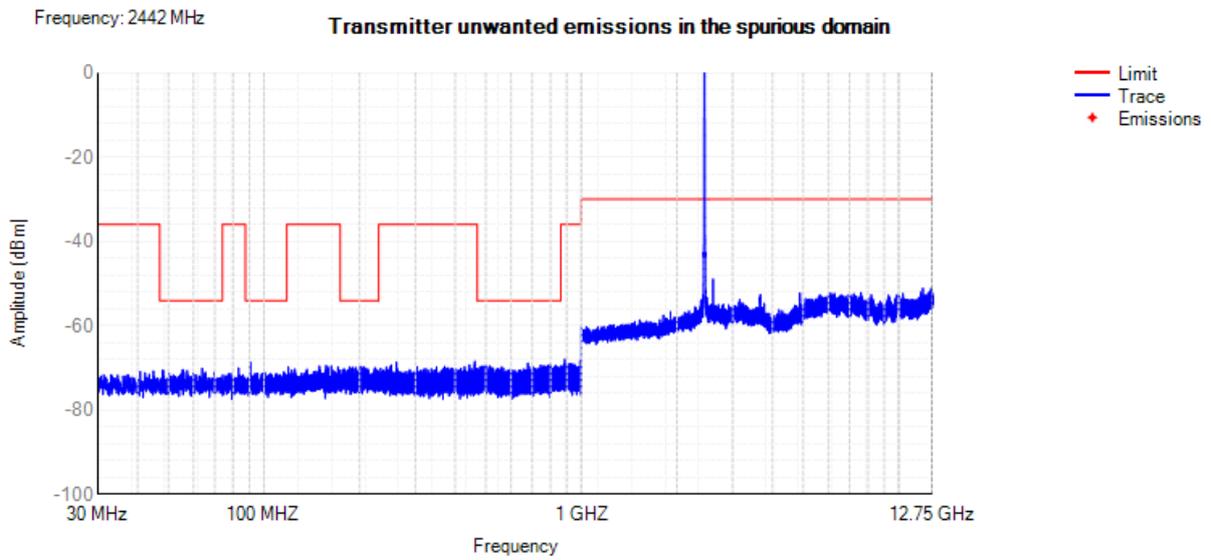


5. Transmitter unwanted emissions in the spurious domain

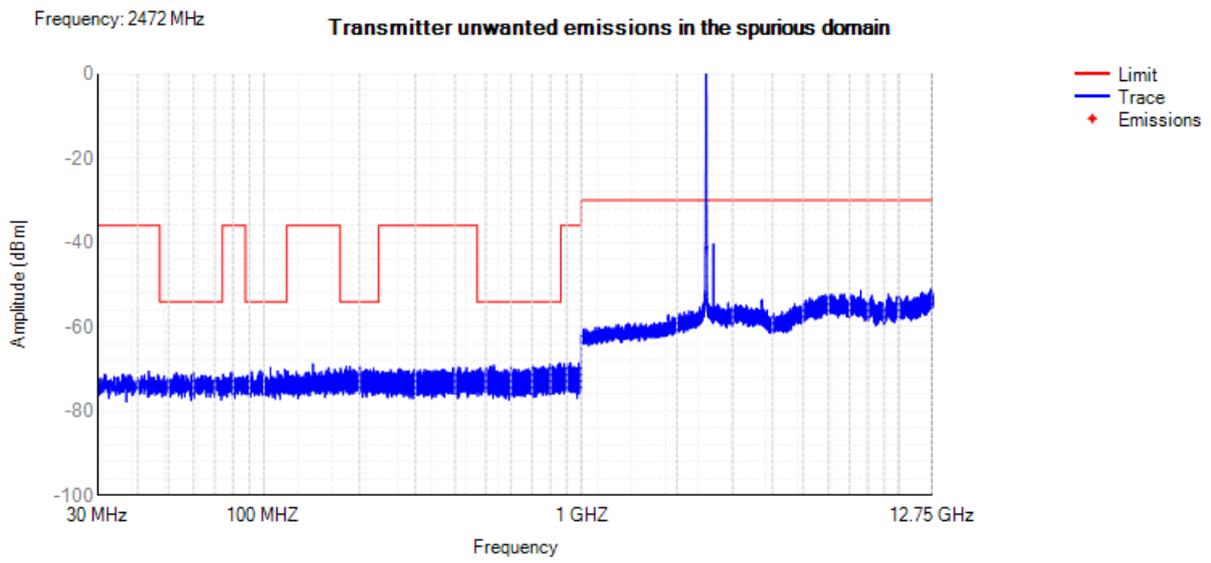
Tx. Spurious NVNT b 2412MHz



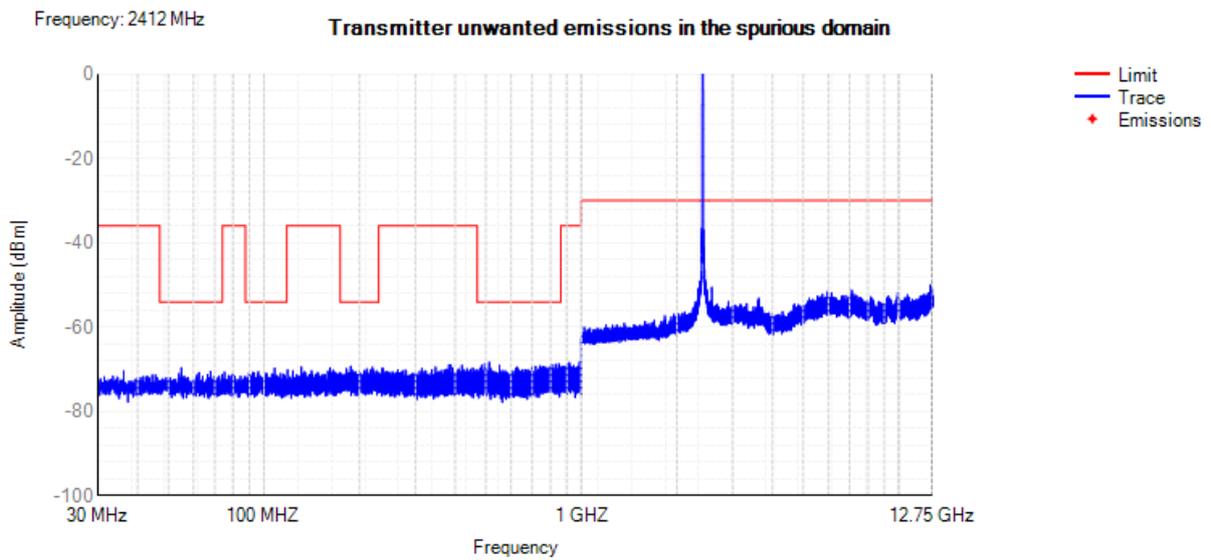
Tx. Spurious NVNT b 2442MHz



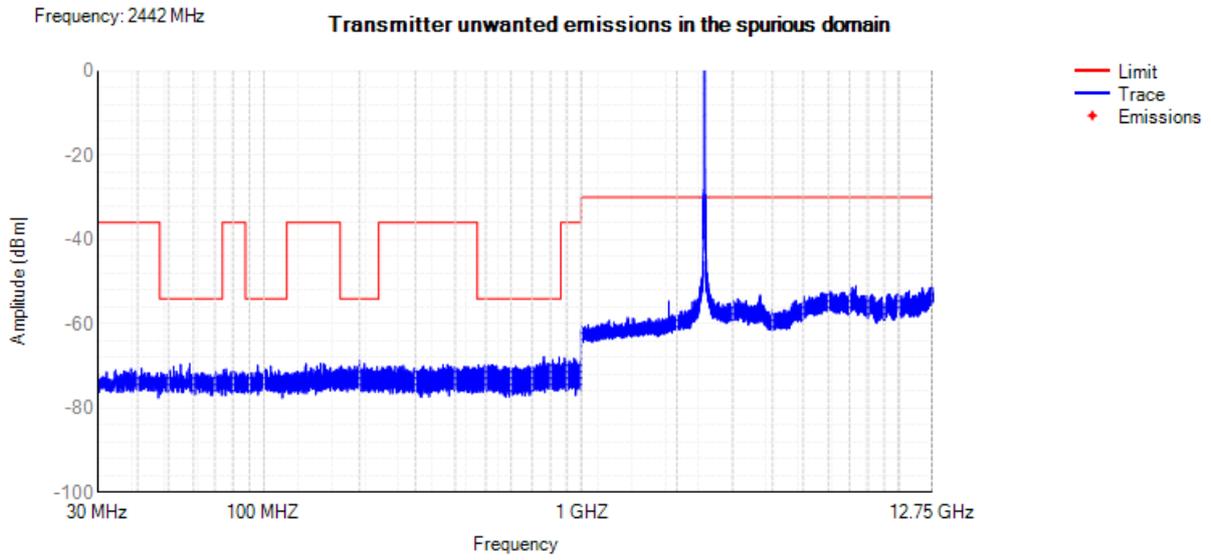
Tx. Spurious NVNT b 2472MHz



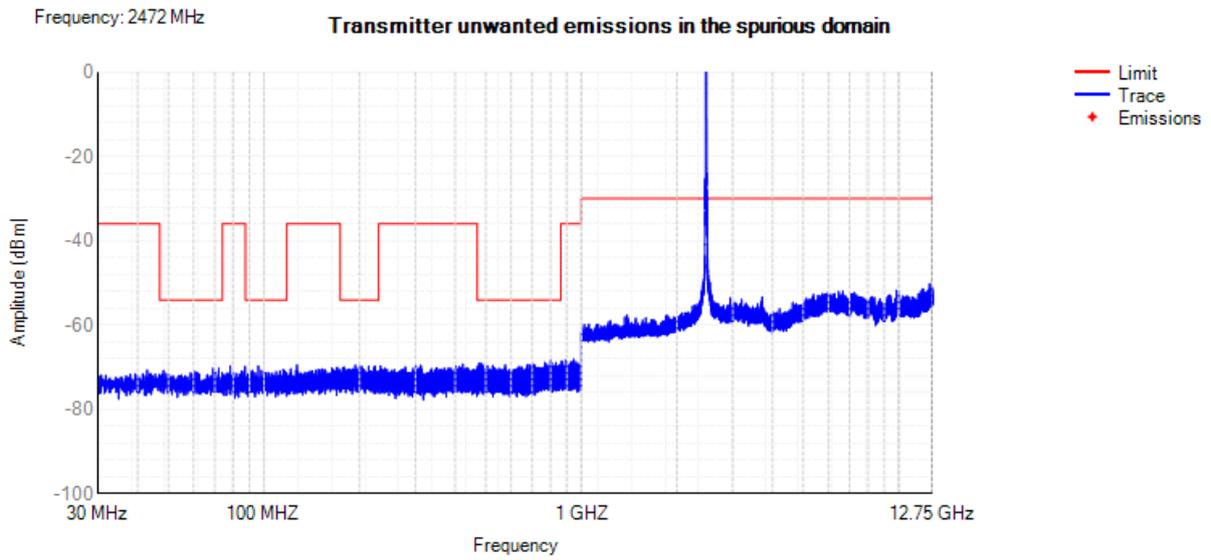
Tx. Spurious NVNT g 2412MHz



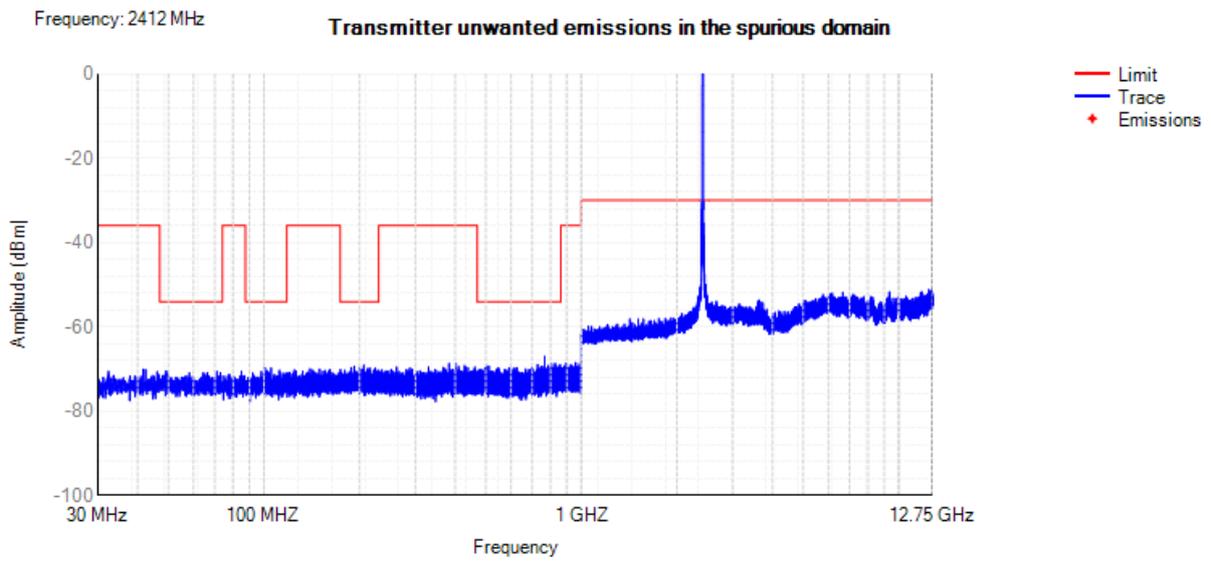
Tx. Spurious NVNT g 2442MHz



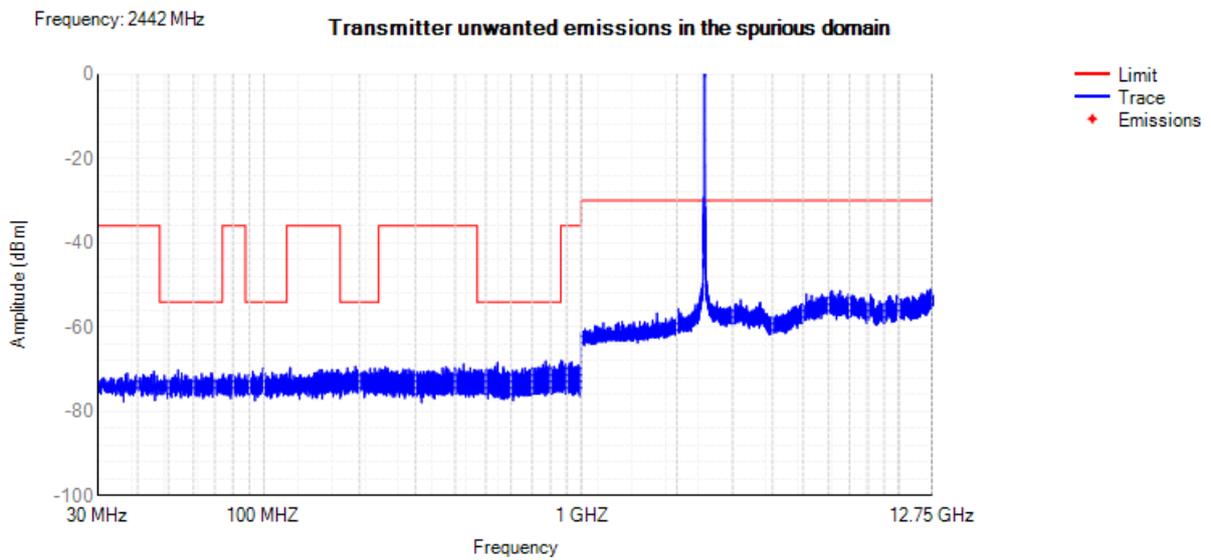
Tx. Spurious NVNT g 2472MHz



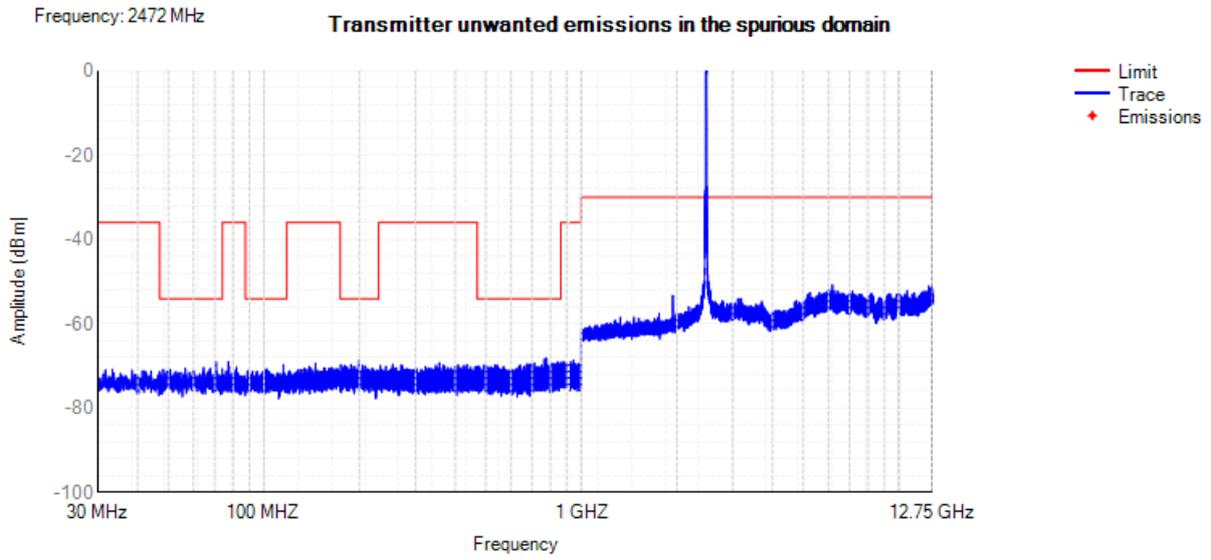
Tx. Spurious NVNT n20 2412MHz



Tx. Spurious NVNT n20 2442MHz



Tx. Spurious NVNT n20 2472MHz



Tx. Spurious NVNT b

Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 01 (2412MHz)					
108.32	H	-67.67	-54.00	-13.67	PK
280.55	V	-49.23	-36.00	-13.23	PK
976.75	H	-49.45	-36.00	-13.45	PK
964.38	V	-48.62	-36.00	-12.62	PK
4823.97	H	-40.73	-30.00	-10.73	PK
4823.97	V	-43.32	-30.00	-13.32	PK
7236.04	H	-44.92	-30.00	-14.92	PK
7235.96	V	-42.88	-30.00	-12.88	PK
Channel 13 (2472MHz)					
127.04	H	-47.96	-36.00	-11.96	PK
183.42	V	-65.53	-54.00	-11.53	PK
916.35	H	-48.93	-36.00	-12.93	PK
800.50	V	-67.72	-54.00	-13.72	PK
4944.03	H	-41.41	-30.00	-11.41	PK
4943.97	V	-41.82	-30.00	-11.82	PK
7415.99	H	-42.54	-30.00	-12.54	PK
7416.01	V	-43.45	-30.00	-13.45	PK

Tx. Spurious NVNT g

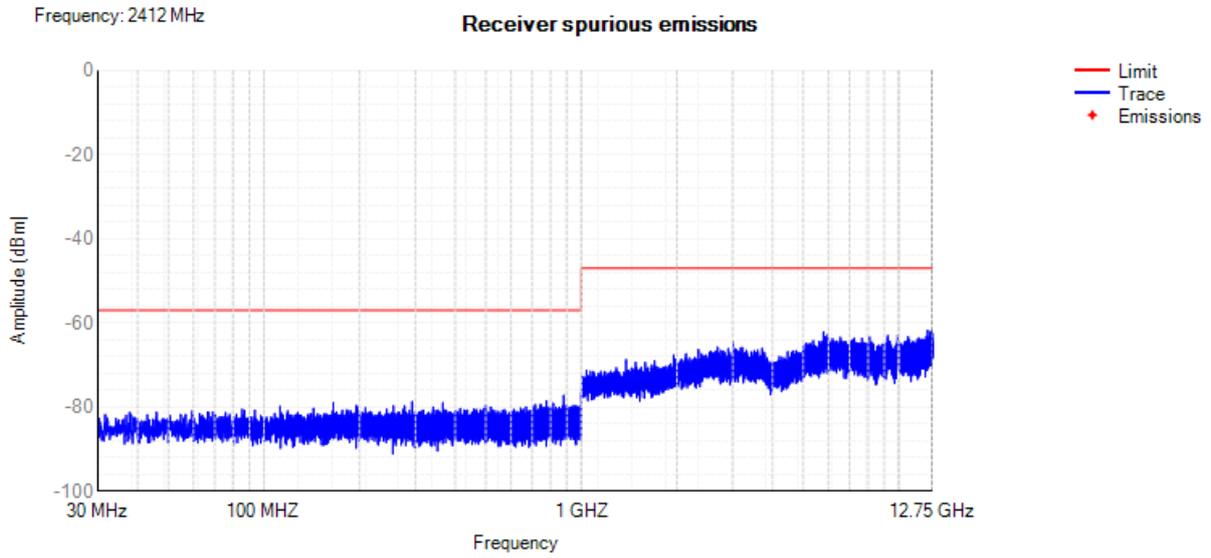
Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 01 (2412MHz)					
273.76	H	-46.81	-36.00	-10.81	PK
284.10	V	-49.24	-36.00	-13.24	PK
843.69	H	-68.00	-54.00	-14.00	PK
874.95	V	-49.34	-36.00	-13.34	PK
4824.02	H	-43.63	-30.00	-13.63	PK
4823.98	V	-40.70	-30.00	-10.70	PK
7236.01	H	-43.91	-30.00	-13.91	PK
7236.01	V	-42.83	-30.00	-12.83	PK
Channel 13 (2472MHz)					
212.03	H	-66.13	-54.00	-12.13	PK
183.69	V	-66.61	-54.00	-12.61	PK
984.73	H	-49.06	-36.00	-13.06	PK
942.20	V	-47.56	-36.00	-11.56	PK
4944.01	H	-44.27	-30.00	-14.27	PK
4944.03	V	-44.15	-30.00	-14.15	PK
7416.01	H	-42.04	-30.00	-12.04	PK
7416.01	V	-42.77	-30.00	-12.77	PK

Tx. Spurious NVNT n20

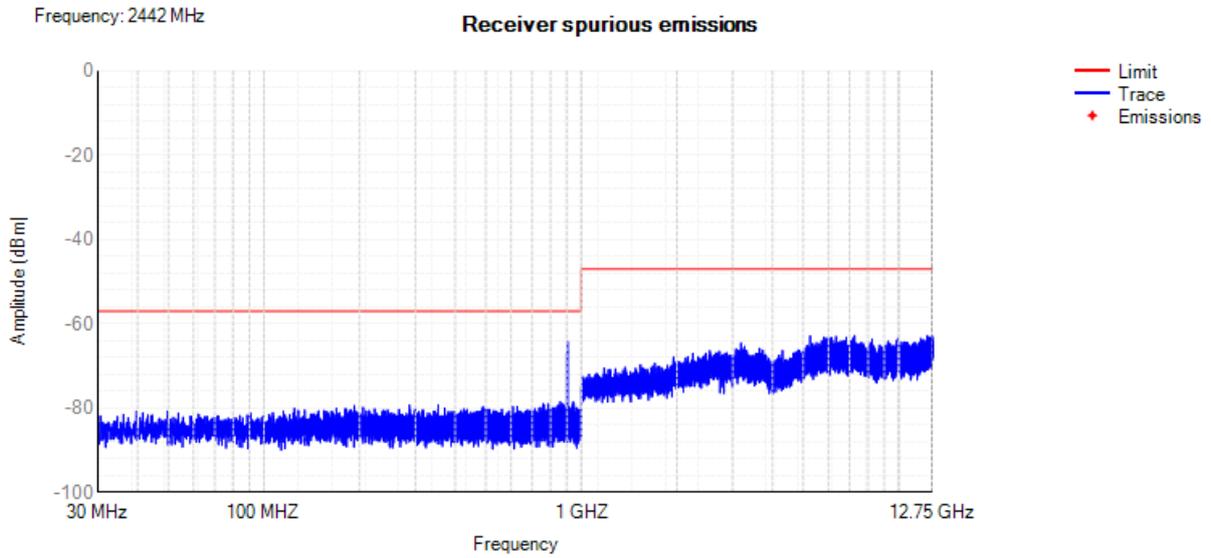
Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 01 (2412MHz)					
284.04	H	-49.71	-36.00	-13.71	PK
280.25	V	-48.88	-36.00	-12.88	PK
844.75	H	-64.24	-54.00	-10.24	PK
823.77	V	-66.31	-54.00	-12.31	PK
4824.02	H	-41.19	-30.00	-11.19	PK
4824.01	V	-40.93	-30.00	-10.93	PK
7236.03	H	-42.09	-30.00	-12.09	PK
7235.99	V	-44.03	-30.00	-14.03	PK
Channel 13 (2472MHz)					
134.26	H	-49.81	-36.00	-13.81	PK
278.38	V	-50.48	-36.00	-14.48	PK
871.56	H	-48.17	-36.00	-12.17	PK
862.39	V	-46.55	-36.00	-10.55	PK
4943.97	H	-40.09	-30.00	-10.09	PK
4944.01	V	-44.94	-30.00	-14.94	PK
7415.97	H	-43.61	-30.00	-13.61	PK
7415.99	V	-40.94	-30.00	-10.94	PK

6. Receiver spurious emissions

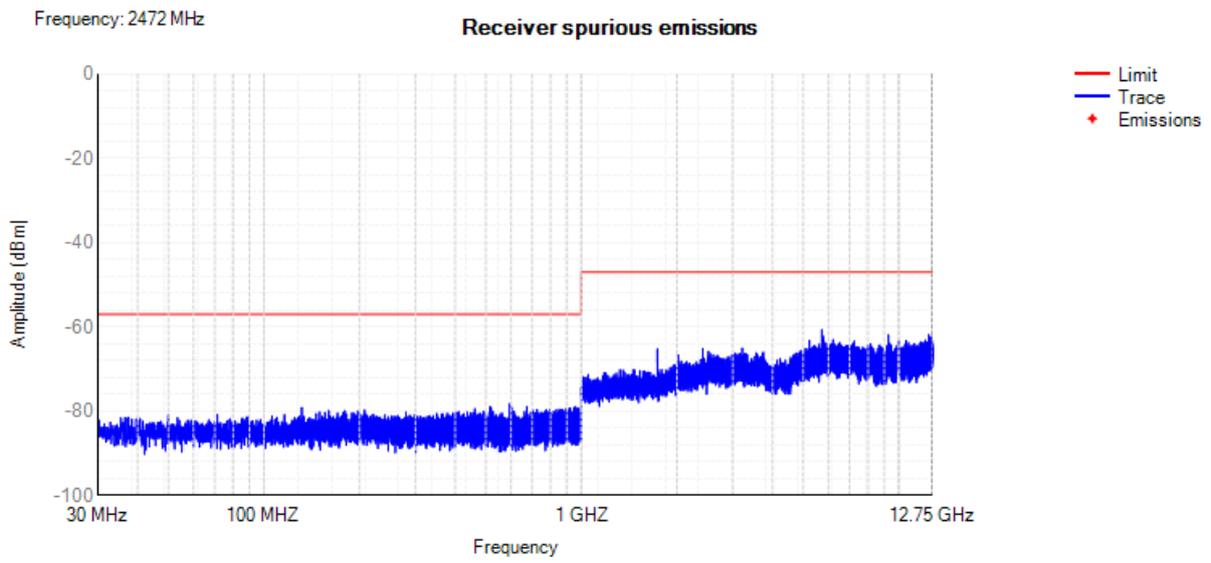
Rx. Spurious NVNT b 2412MHz



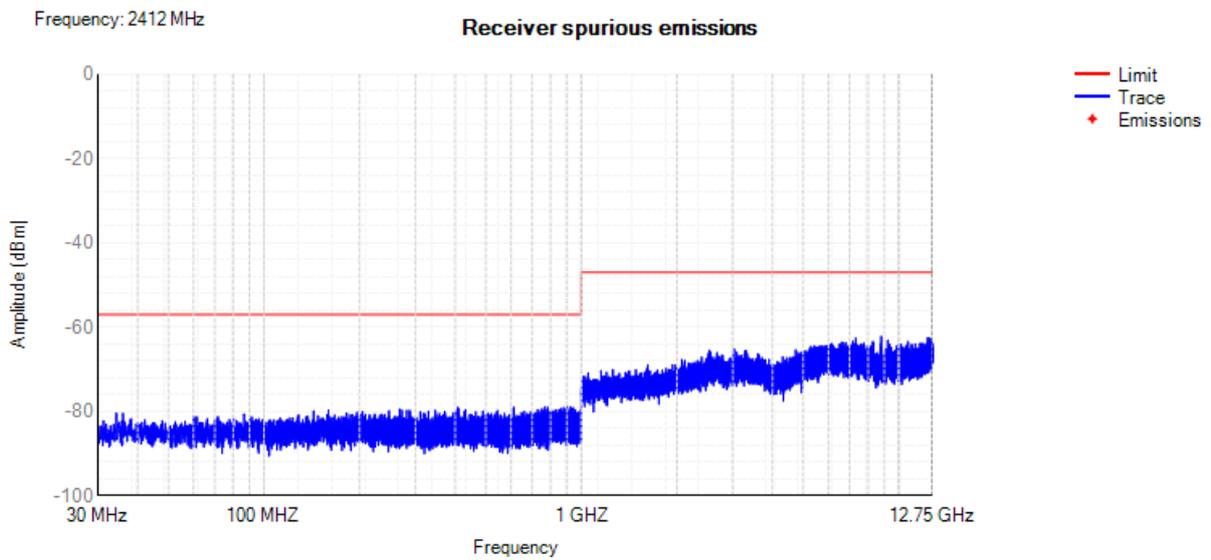
Rx. Spurious NVNT b 2442MHz



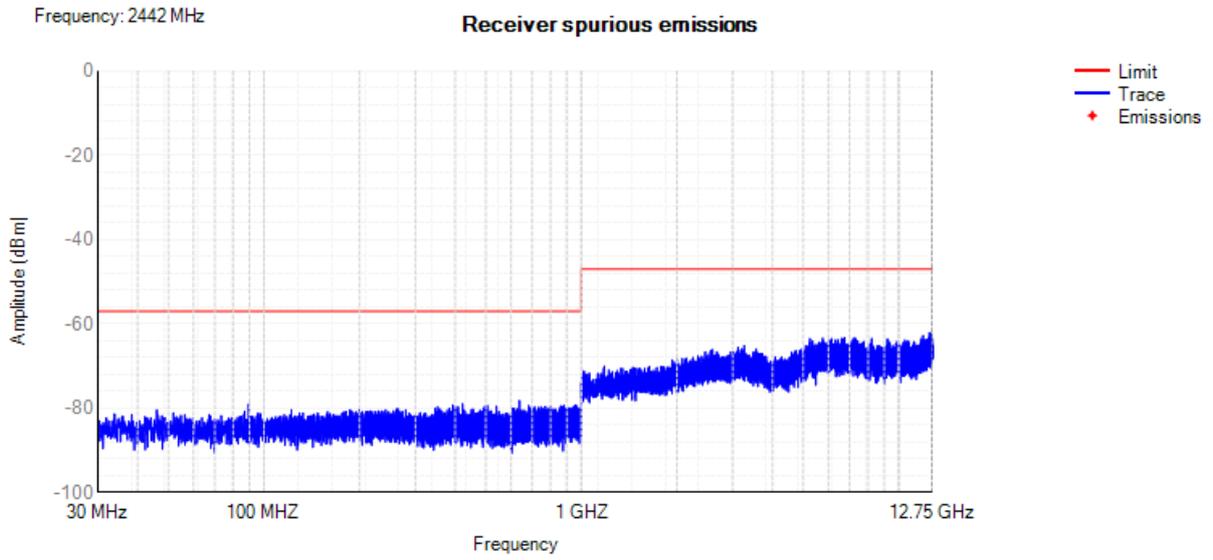
Rx. Spurious NVNT b 2472MHz



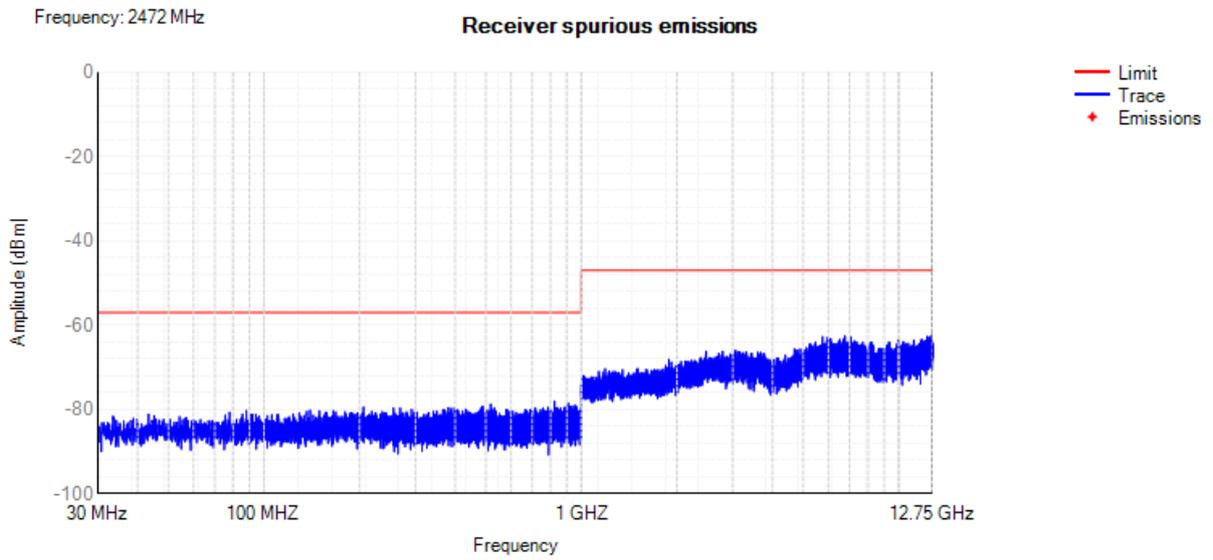
Rx. Spurious NVNT g 2412MHz



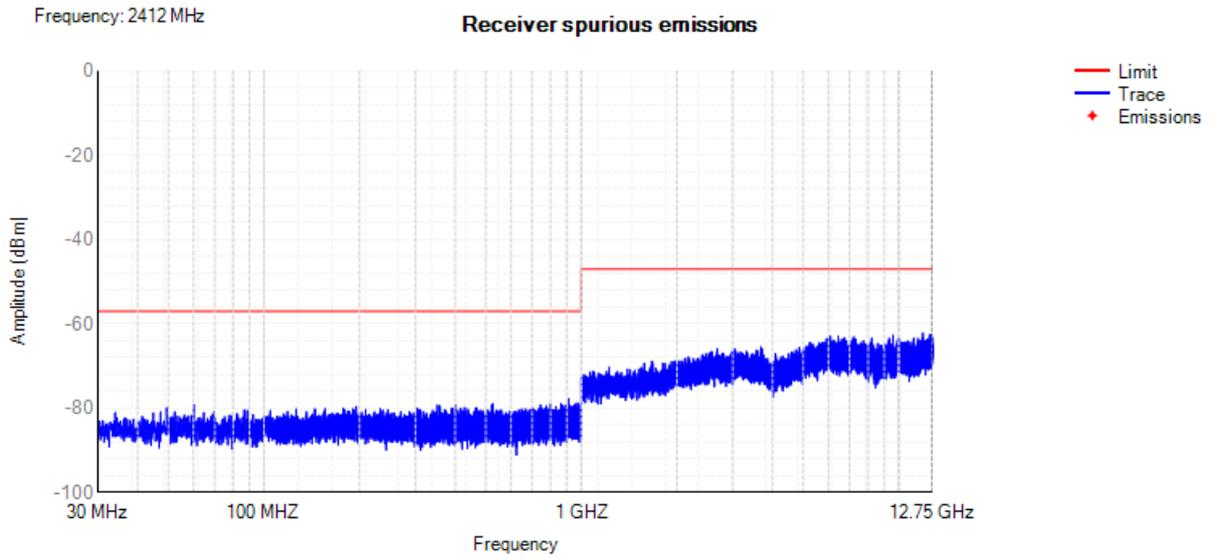
Rx. Spurious NVNT g 2442MHz



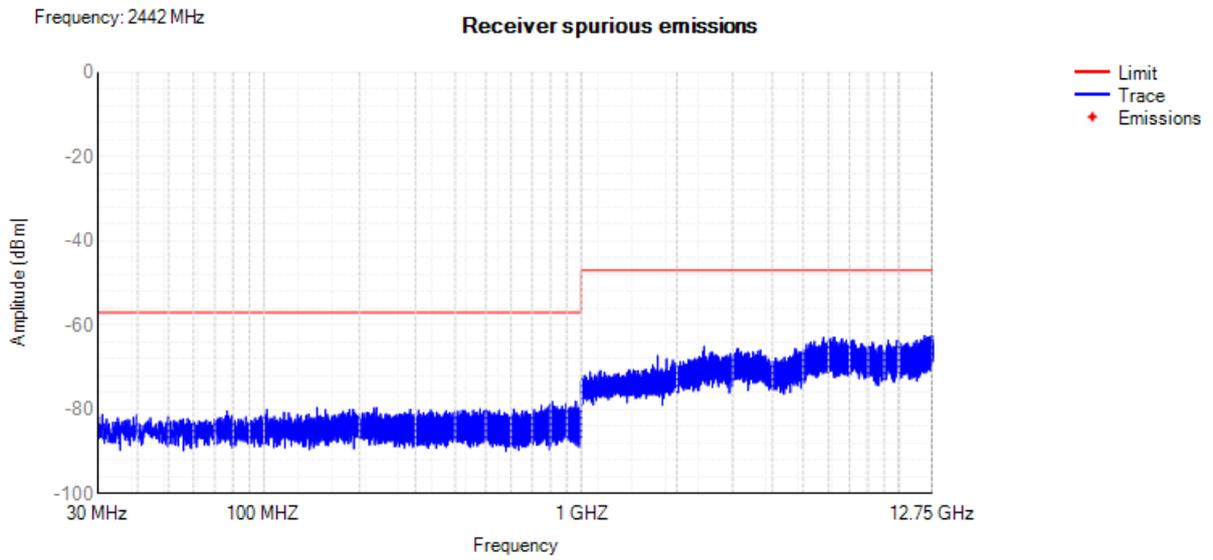
Rx. Spurious NVNT g 2472MHz



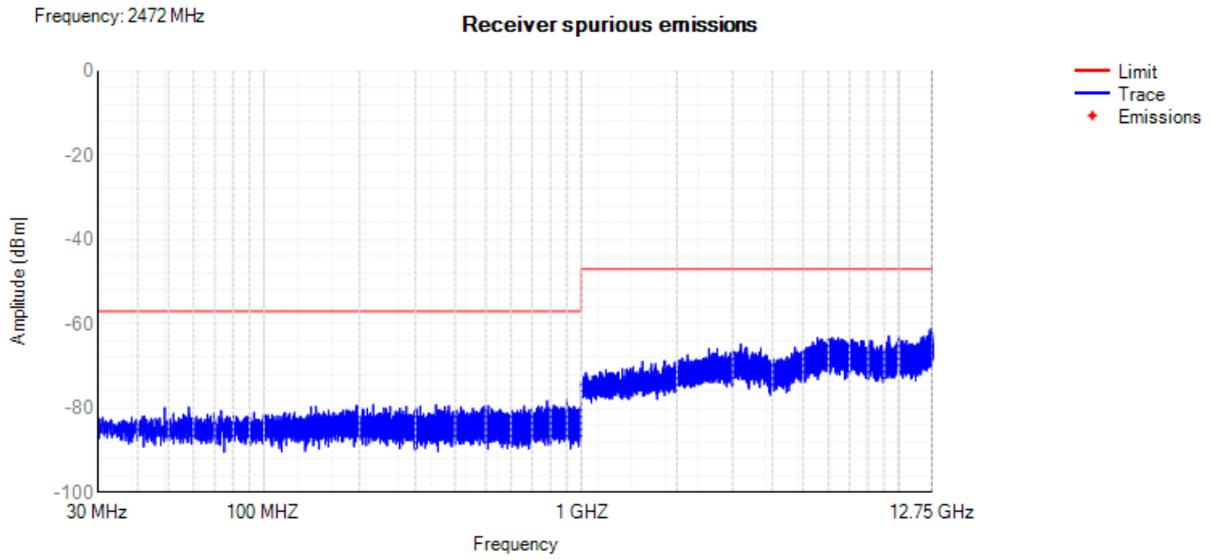
Rx. Spurious NVNT n20 2412MHz



Rx. Spurious NVNT n20 2442MHz



Rx. Spurious NVNT n20 2472MHz



Rx. Spurious NVNT b

Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 01 (2412MHz)					
111.50	H	-70.45	-57.00	-13.45	PK
121.22	V	-71.91	-57.00	-14.91	PK
839.56	H	-68.61	-57.00	-11.61	PK
921.58	V	-67.45	-57.00	-10.45	PK
1822.96	H	-59.07	-47.00	-12.07	PK
1551.73	V	-59.06	-47.00	-12.06	PK
3972.04	H	-61.24	-47.00	-14.24	PK
3755.60	V	-58.06	-47.00	-11.06	PK
Channel 13 (2472MHz)					
114.71	H	-69.87	-57.00	-12.87	PK
253.67	V	-70.30	-57.00	-13.30	PK
998.75	H	-67.21	-57.00	-10.21	PK
891.71	V	-68.17	-57.00	-11.17	PK
1603.61	H	-58.78	-47.00	-11.78	PK
1841.92	V	-61.73	-47.00	-14.73	PK
4104.32	H	-57.75	-47.00	-10.75	PK
4159.56	V	-58.57	-47.00	-11.57	PK

Rx. Spurious NVNT g

Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 01 (2412MHz)					
289.01	H	-71.13	-57.00	-14.13	PK
258.20	V	-71.03	-57.00	-14.03	PK
870.65	H	-69.26	-57.00	-12.26	PK
978.58	V	-67.08	-57.00	-10.08	PK
1392.52	H	-61.34	-47.00	-14.34	PK
1623.95	V	-58.38	-47.00	-11.38	PK
4074.44	H	-59.18	-47.00	-12.18	PK
3844.67	V	-59.29	-47.00	-12.29	PK
Channel 13 (2472MHz)					
179.55	H	-69.74	-57.00	-12.74	PK
151.61	V	-68.80	-57.00	-11.80	PK
977.49	H	-67.60	-57.00	-10.60	PK
989.93	V	-67.86	-57.00	-10.86	PK
1560.82	H	-57.64	-47.00	-10.64	PK
1380.20	V	-59.50	-47.00	-12.50	PK
4034.89	H	-57.21	-47.00	-10.21	PK
3843.53	V	-57.12	-47.00	-10.12	PK

Rx. Spurious NVNT n20

Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 01 (2412MHz)					
102.43	H	-68.00	-57.00	-11.00	PK
124.00	V	-67.60	-57.00	-10.60	PK
967.45	H	-70.17	-57.00	-13.17	PK
911.92	V	-69.02	-57.00	-12.02	PK
1396.03	H	-57.35	-47.00	-10.35	PK
1548.27	V	-60.30	-47.00	-13.30	PK
3815.49	H	-58.59	-47.00	-11.59	PK
4053.97	V	-60.58	-47.00	-13.58	PK
Channel 13 (2472MHz)					
205.26	H	-69.94	-57.00	-12.94	PK
154.23	V	-70.10	-57.00	-13.10	PK
947.20	H	-68.28	-57.00	-11.28	PK
817.06	V	-69.18	-57.00	-12.18	PK
1413.67	H	-58.52	-47.00	-11.52	PK
1567.93	V	-59.07	-47.00	-12.07	PK
4065.76	H	-57.03	-47.00	-10.03	PK
4092.50	V	-58.41	-47.00	-11.41	PK

7. Receiver Blocking

Wanted Signal Mean Power from Companion Device (dBm)	Test Mode	Test Channel (MHz)	Blocking Signal Frequency (MHz)	Pmin	Blocking Signal Power (dBm)		Type of Blocking Signal	PER(%)		Test Result
					Test Value	Limit		Test Value	Limit	
Pmin + 6 dB	802.11b	2412	2380	-68	-30	≥-53	CW	3.42	10	Pass
			2504		-30	≥-53	CW	4.65	10	Pass
			2300	-74	-21	≥-47	CW	3.73	10	Pass
			2330		-23	≥-47	CW	4.51	10	Pass
			2360		-17	≥-47	CW	5.45	10	Pass
			2524		-23	≥-47	CW	5.46	10	Pass
			2584		-25	≥-47	CW	3.40	10	Pass
			2674		-21	≥-47	CW	5.23	10	Pass
		2472	2380	-68	-27	≥-53	CW	3.85	10	Pass
			2504		-32	≥-53	CW	5.72	10	Pass
			2300	-74	-23	≥-47	CW	4.45	10	Pass
			2330		-23	≥-47	CW	6.25	10	Pass
			2360		-18	≥-47	CW	4.32	10	Pass
			2524		-24	≥-47	CW	6.98	10	Pass
			2584		-20	≥-47	CW	6.73	10	Pass
			2674		-18	≥-47	CW	6.65	10	Pass

Wanted Signal Mean Power from Companion Device (dBm)	Test Mode	Test Channel (MHz)	Blocking Signal Frequency (MHz)	Pmin	Blocking Signal Power (dBm)		Type of Blocking Signal	PER(%)		Test Result
					Test Value	Limit		Test Value	Limit	
Pmin + 6 dB	802.11g	2412	2380	-68	-30	≥-53	CW	4.01	10	Pass
			2504		-28	≥-53	CW	3.51	10	Pass
			2300	-74	-18	≥-47	CW	4.26	10	Pass
			2330		-22	≥-47	CW	6.37	10	Pass
			2360		-19	≥-47	CW	4.41	10	Pass
			2524		-26	≥-47	CW	3.62	10	Pass
			2584		-26	≥-47	CW	6.50	10	Pass
			2674		-26	≥-47	CW	6.34	10	Pass
		2472	2380	-68	-32	≥-53	CW	4.56	10	Pass
			2504		-26	≥-53	CW	5.53	10	Pass
			2300	-74	-23	≥-47	CW	5.11	10	Pass
			2330		-24	≥-47	CW	6.12	10	Pass
			2360		-19	≥-47	CW	4.71	10	Pass
			2524		-29	≥-47	CW	5.06	10	Pass
			2584		-27	≥-47	CW	5.50	10	Pass
			2674		-19	≥-47	CW	5.20	10	Pass

Wanted Signal Mean Power from Companion Device (dBm)	Test Mode	Test Channel (MHz)	Blocking Signal Frequency (MHz)	Pmin	Blocking Signal Power (dBm)		Type of Blocking Signal	PER(%)		Test Result
					Test Value	Limit		Test Value	Limit	
Pmin + 6 dB	802.11n20	2412	2380	-68	-31	≥ -53	CW	3.08	10	Pass
			2504	-68	-24	≥ -53	CW	4.82	10	Pass
			2300	-74	-20	≥ -47	CW	4.88	10	Pass
			2330	-74	-26	≥ -47	CW	3.83	10	Pass
			2360	-74	-14	≥ -47	CW	6.01	10	Pass
			2524	-74	-28	≥ -47	CW	4.96	10	Pass
			2584	-74	-22	≥ -47	CW	4.72	10	Pass
			2674	-74	-18	≥ -47	CW	3.97	10	Pass
		2472	2380	-68	-31	≥ -53	CW	4.55	10	Pass
			2504	-68	-23	≥ -53	CW	5.61	10	Pass
			2300	-74	-26	≥ -47	CW	5.64	10	Pass
			2330	-74	-26	≥ -47	CW	5.22	10	Pass
			2360	-74	-16	≥ -47	CW	5.03	10	Pass
			2524	-74	-21	≥ -47	CW	5.86	10	Pass
			2584	-74	-28	≥ -47	CW	3.34	10	Pass
			2674	-74	-20	≥ -47	CW	6.96	10	Pass

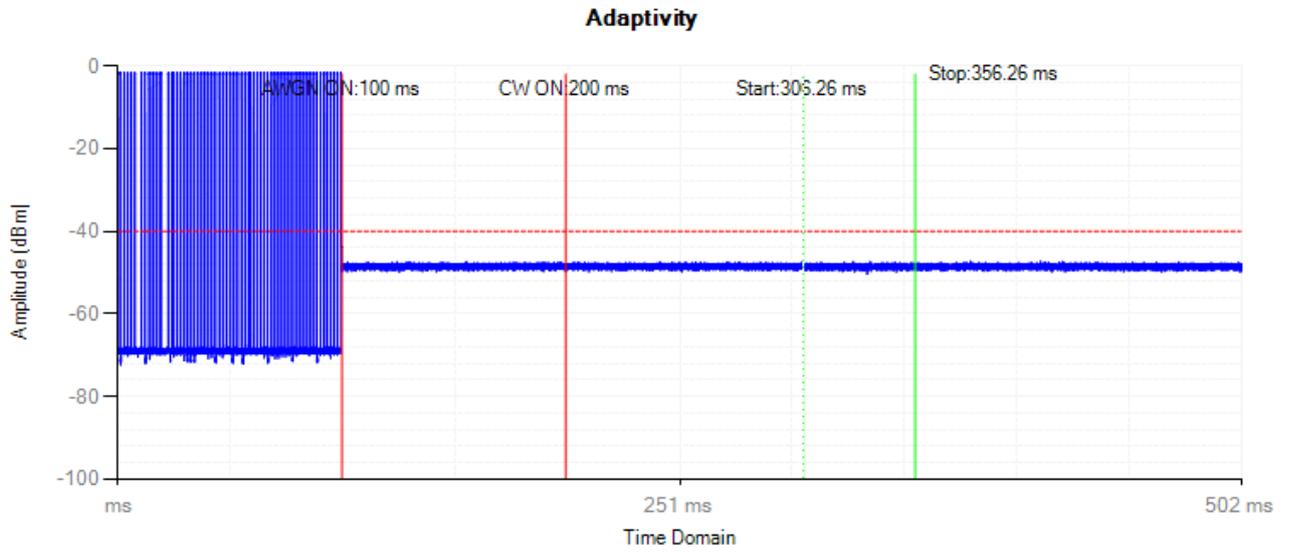
8. Adaptivity

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

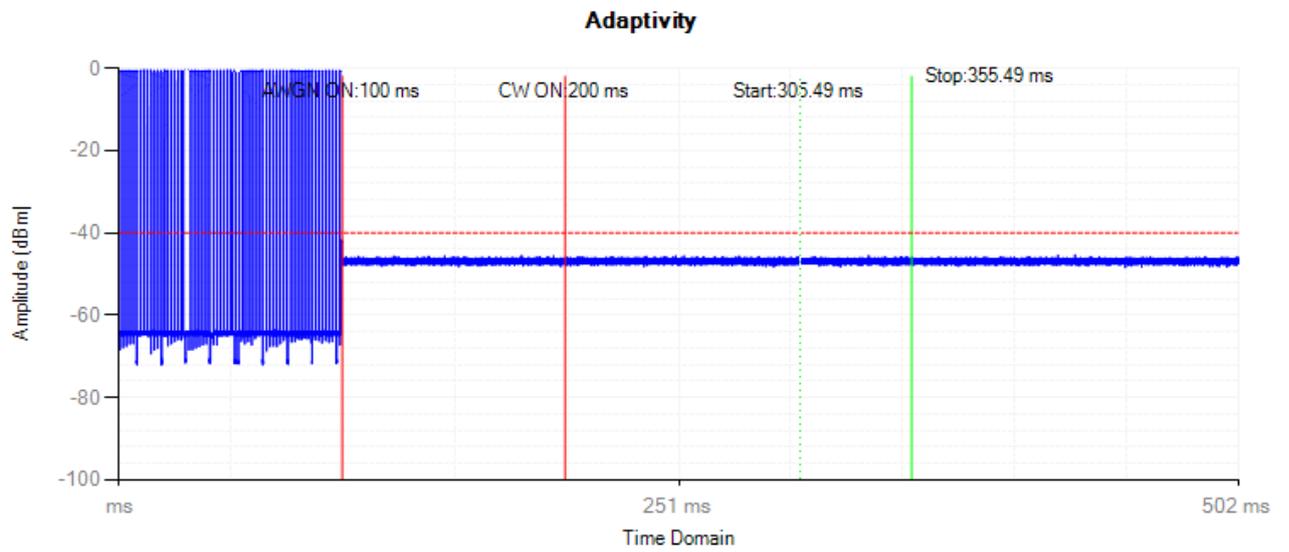
Note: All modulation of EUT which maximum output power is more than 10dbm have been tested.

The Worst Test Mode	802.11b: Low Channel
AWGN Interference Level (dBm)	-62.02
Blocking Interference Level (dBm)	-35
Interference Start Time (ms)	100
Stop time after interfering signal(ms)	100
Blocking ON Time (ms)	200
Suggest q Level	4
Max. COT (ms)	6.20
Pulse width (ms)	0
Duty Cycle (%)	0
The Worst Test Mode	802.11b: High Channel
AWGN Interference Level (dBm)	-61.43
Blocking Interference Level (dBm)	-35
Interference Start Time (ms)	100
Stop time after interfering signal(ms)	100
Blocking ON Time (ms)	200
Suggest q Level	4
Max COT (ms)	5.13
Pulse width (ms)	0
Duty Cycle (%)	0

Test plot (802.11b-Low channel):

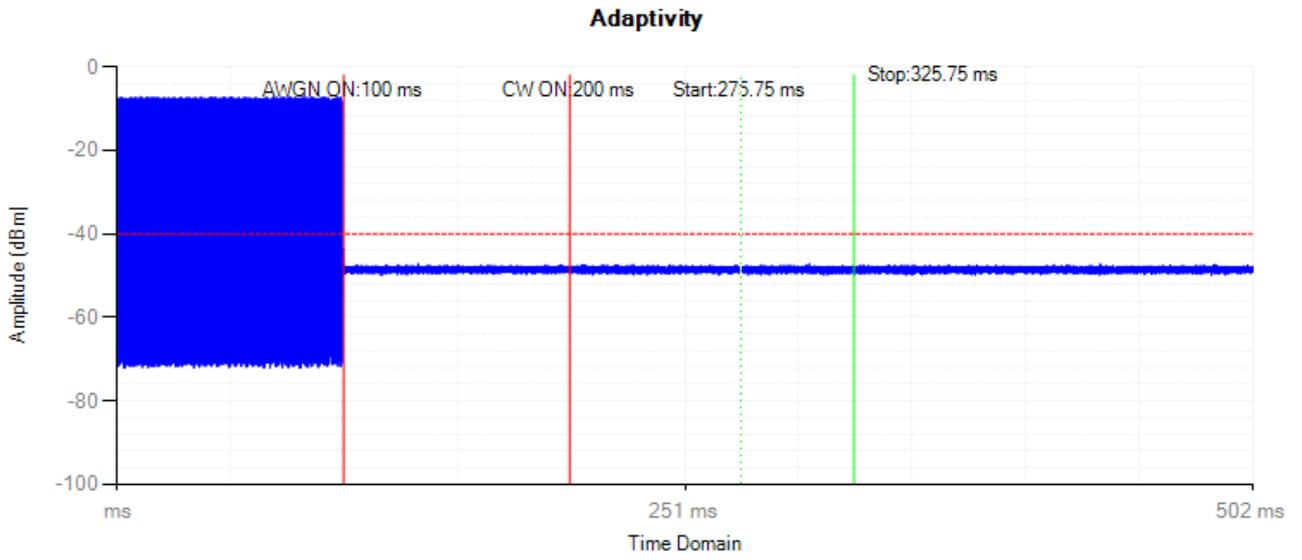


Test plot (802.11b-High channel):

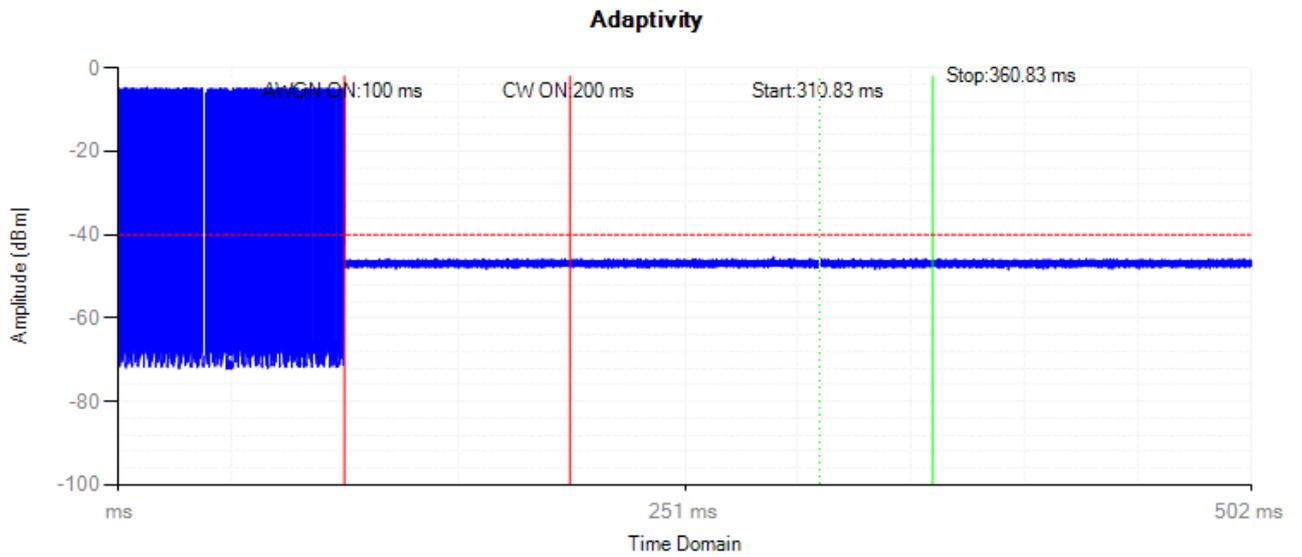


Test Mode	802.11g: Low Channel
AWGN Interference Level (dBm)	-60.64
Blocking Interference Level (dBm)	-35
Interference Start Time (ms)	100
Stop time after interfering signal(ms)	100
Blocking ON Time (ms)	200
Suggest q Level	4
Max COT (ms)	4.65
Pulse width (ms)	0
Duty Cycle (%)	0
Test Mode	802.11g: High Channel
AWGN Interference Level (dBm)	-60.10
Blocking Interference Level (dBm)	-35
Interference Start Time (ms)	100
Stop time after interfering signal(ms)	100
Blocking ON Time (ms)	200
Suggest q Level	4
Max COT (ms)	3.89
Pulse width (ms)	0
Duty Cycle (%)	0

Test plot (802.11g-Low channel):

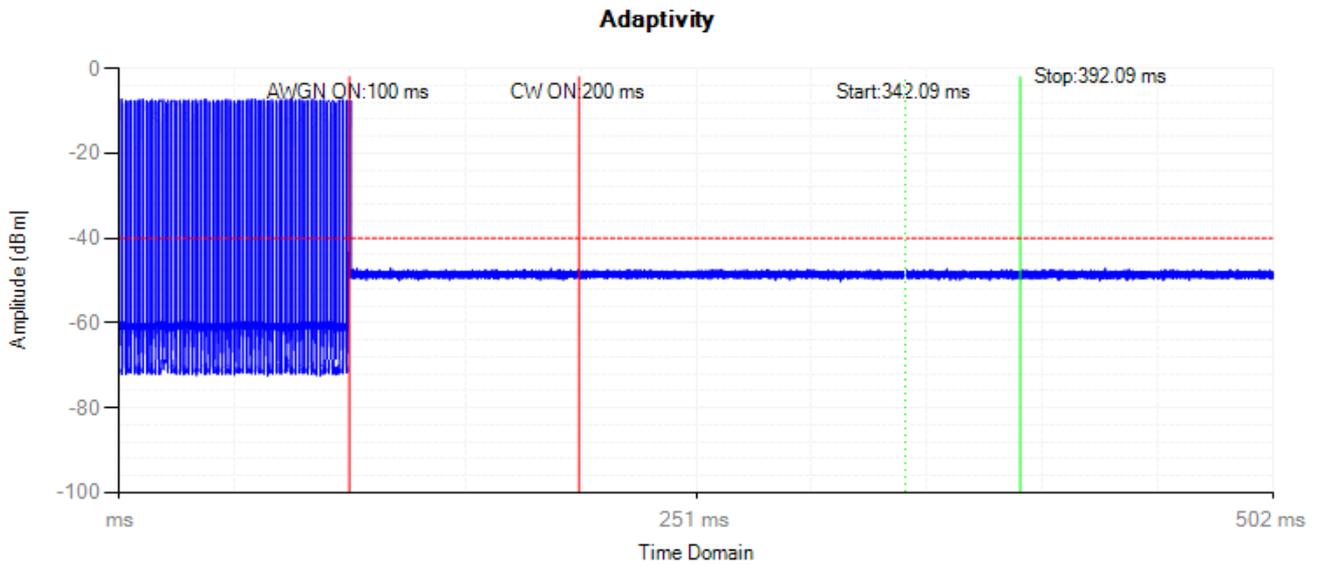


Test plot (802.11g-High channel):



The Worst Test Mode	802.11n20: Low Channel
AWGN Interference Level (dBm)	-61.14
Blocking Interference Level (dBm)	-35
Interference Start Time (ms)	100
Stop time after interfering signal(ms)	100
Blocking ON Time (ms)	200
Suggest q Level	4
Max. COT (ms)	4.52
Pulse width (ms)	0
Duty Cycle (%)	0
The Worst Test Mode	802.11n20: High Channel
AWGN Interference Level (dBm)	-60.15
Blocking Interference Level (dBm)	-35
Interference Start Time (ms)	100
Stop time after interfering signal(ms)	100
Blocking ON Time (ms)	200
Suggest q Level	4
Max COT (ms)	2.88
Pulse width (ms)	0
Duty Cycle (%)	0

Test plot (802.11n20-Low channel):



Test plot (802.11n20-High channel):

