



Appendix E for 2.4GWIFI RF Test Data

Product Name: Smart Light Switch

Test Model: LT-03

Environmental Conditions

Temperature:	23.3° C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Monkey Li
Supervised by:	Li Huan





E.1 RF Output Power

Condition	Mode	Frequency (MHz)	Max EIRP (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	15.14	20	Pass
NVNT	b	2442	16.42	20	Pass
NVNT	b	2472	16.95	20	Pass
NVNT	g	2412	13.84	20	Pass
NVNT	g	2442	15.09	20	Pass
NVNT	g	2472	15.34	20	Pass
NVNT	n20	2412	13.3	20	Pass
NVNT	n20	2442	14.6	20	Pass
NVNT	n20	2472	15.73	20	Pass
NVNT	n40	2422	13.11	20	Pass
NVNT	n40	2442	13.84	20	Pass
NVNT	n40	2462	14.71	20	Pass

Condition	Mode	Frequency (MHz)	Max EIRP (dBm)	Limit (dBm)	Verdict
NVLT	b	2412	14.92	20	Pass
NVLT	b	2442	16.30	20	Pass
NVLT	b	2472	16.88	20	Pass
NVLT	g	2412	13.75	20	Pass
NVLT	g	2442	14.95	20	Pass
NVLT	g	2472	15.26	20	Pass
NVLT	n20	2412	13.26	20	Pass
NVLT	n20	2442	14.52	20	Pass
NVLT	n20	2472	15.70	20	Pass
NVLT	n40	2422	13.01	20	Pass
NVLT	n40	2442	13.73	20	Pass
NVLT	n40	2462	14.60	20	Pass



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Condition	Mode	Frequency (MHz)	Max EIRP (dBm)	Limit (dBm)	Verdict
NVLT	b	2412	14.04	20	Pass
NVLT	b	2442	15.35	20	Pass
NVLT	b	2472	15.84	20	Pass
NVLT	g	2412	12.76	20	Pass
NVLT	g	2442	13.97	20	Pass
NVLT	g	2472	14.24	20	Pass
NVLT	n20	2412	12.23	20	Pass
NVLT	n20	2442	13.49	20	Pass
NVLT	n20	2472	14.65	20	Pass
NVLT	n40	2422	12.01	20	Pass
NVLT	n40	2442	12.76	20	Pass
NVLT	n40	2462	13.59	20	Pass

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



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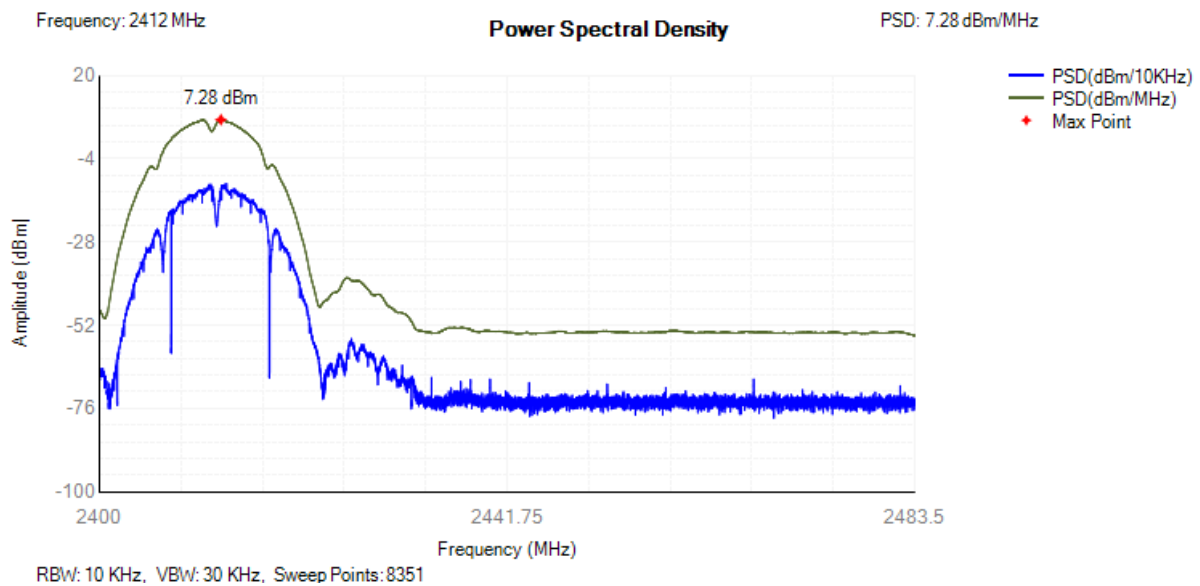
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E.2 Power Spectral Density

Condition	Mode	Frequency (MHz)	Max PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	7.28	10	Pass
NVNT	b	2442	9.94	10	Pass
NVNT	b	2472	9.12	10	Pass
NVNT	g	2412	3.16	10	Pass
NVNT	g	2442	4.38	10	Pass
NVNT	g	2472	4.65	10	Pass
NVNT	n20	2412	2.42	10	Pass
NVNT	n20	2442	3.82	10	Pass
NVNT	n20	2472	4.85	10	Pass
NVNT	n40	2422	-0.73	10	Pass
NVNT	n40	2442	0.06	10	Pass
NVNT	n40	2462	0.85	10	Pass

PSD NVNT b 2412MHz



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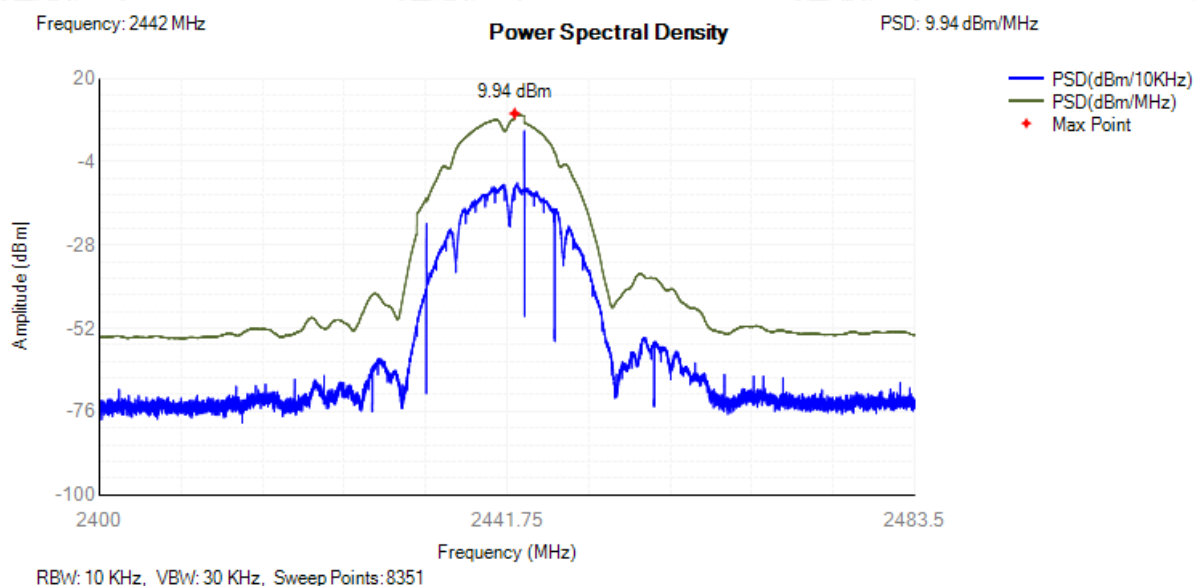
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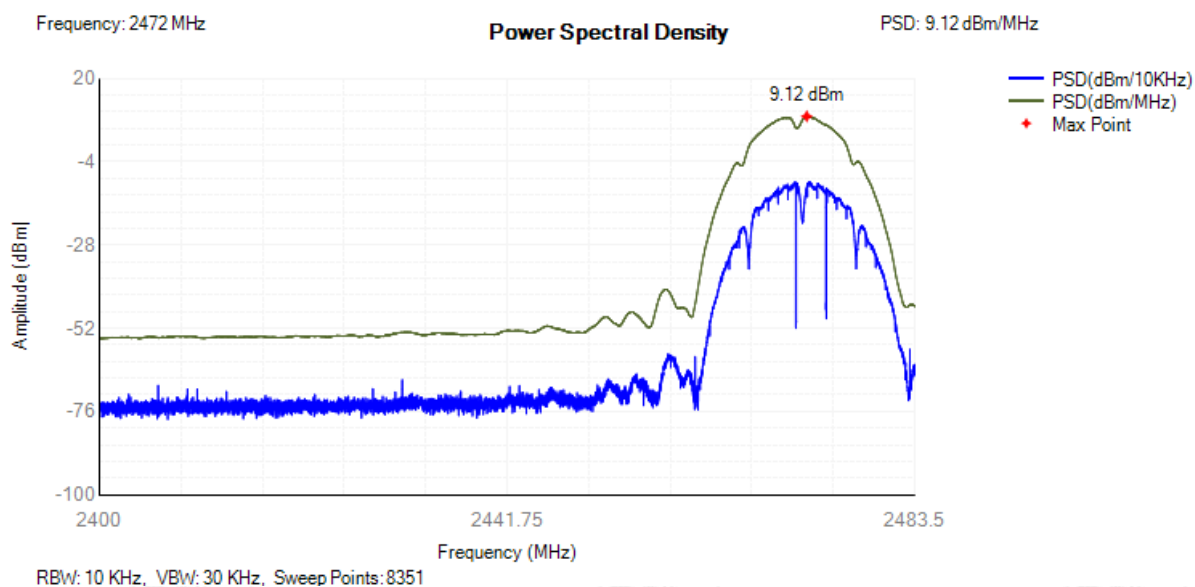
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PSD NVNT b 2442MHz



PSD NVNT b 2472MHz



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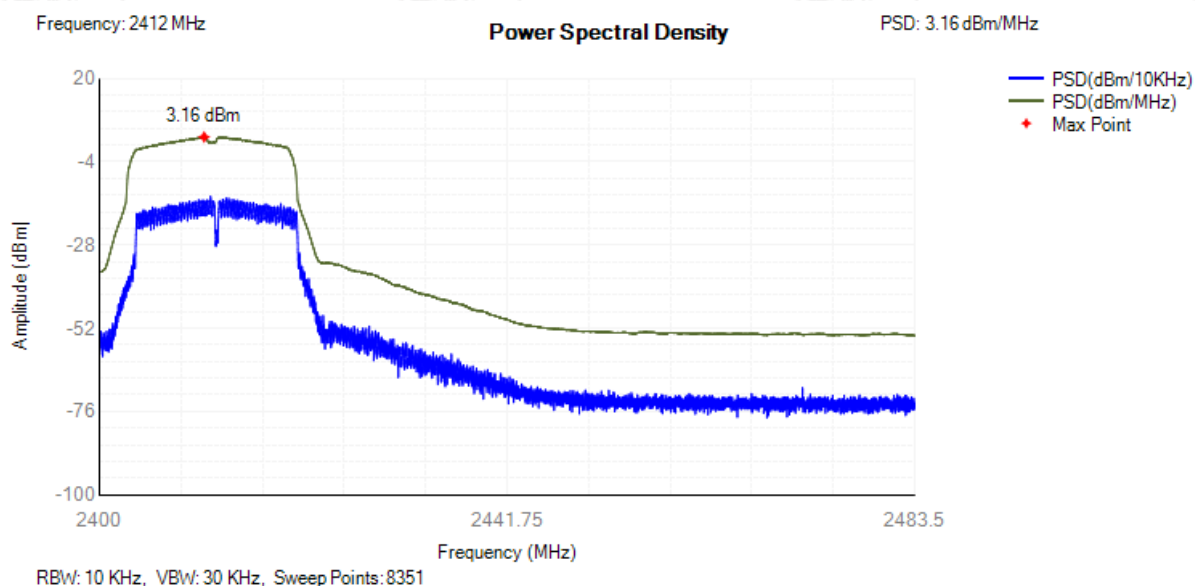
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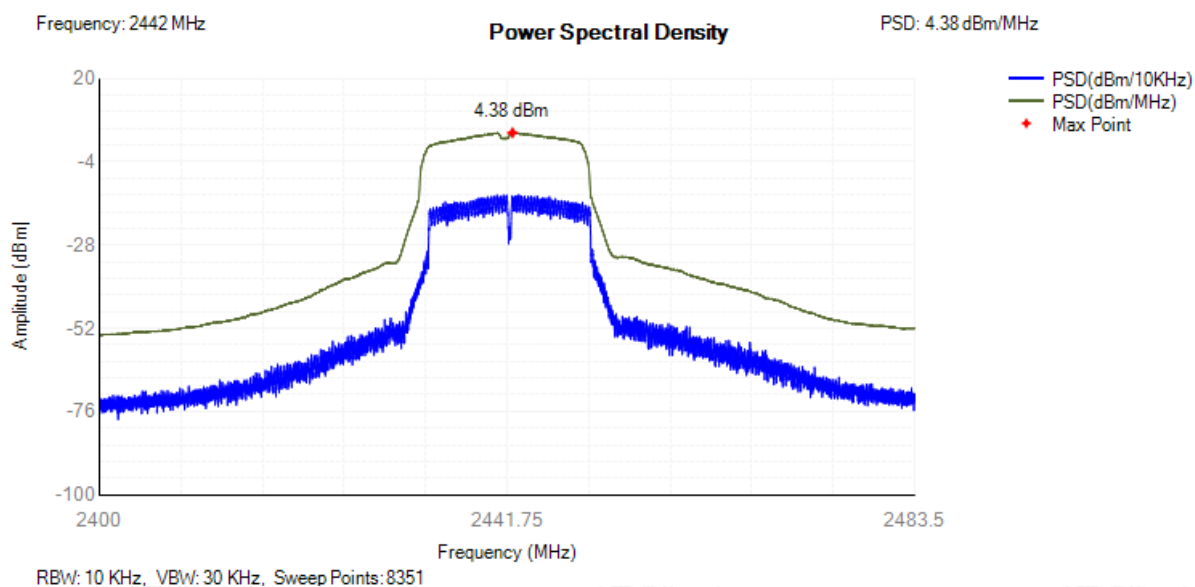
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PSD NVNT g 2412MHz



PSD NVNT g 2442MHz



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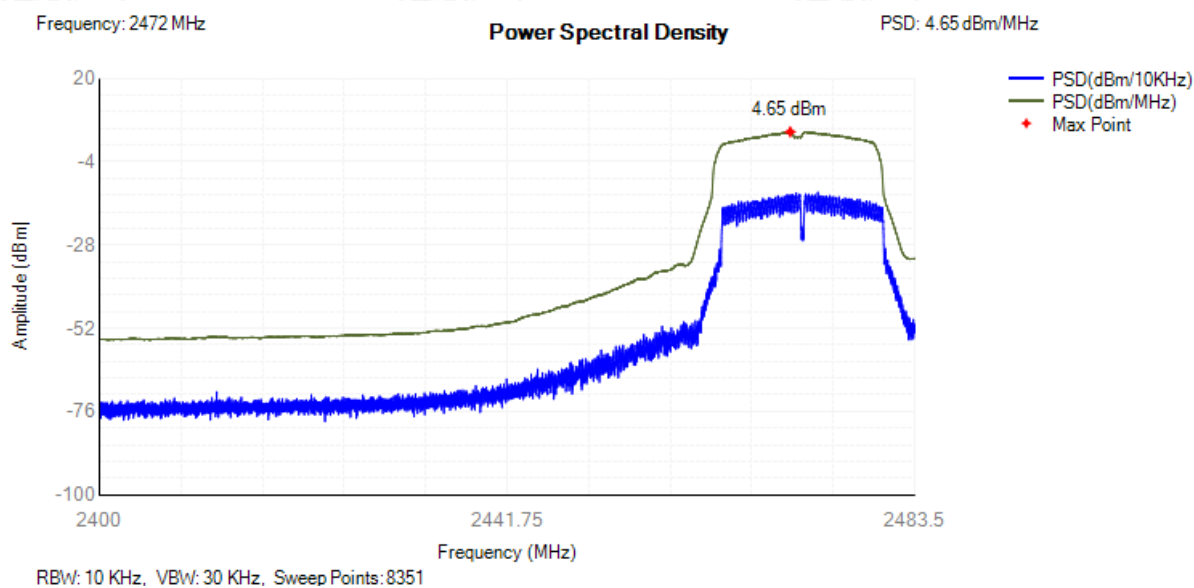
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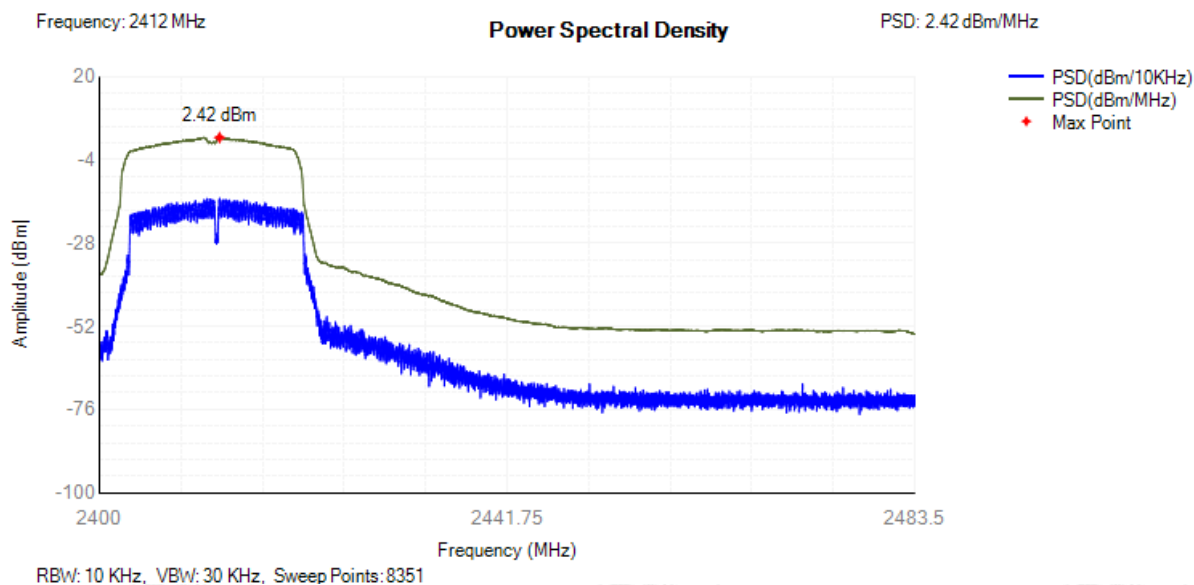
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PSD NVNT g 2472MHz



PSD NVNT n20 2412MHz



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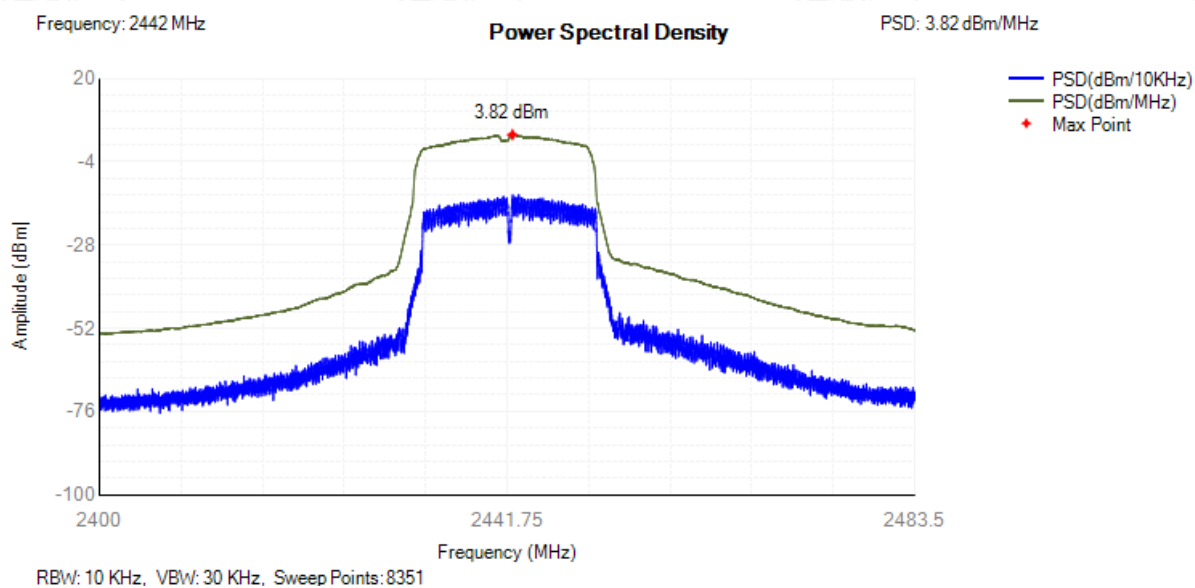
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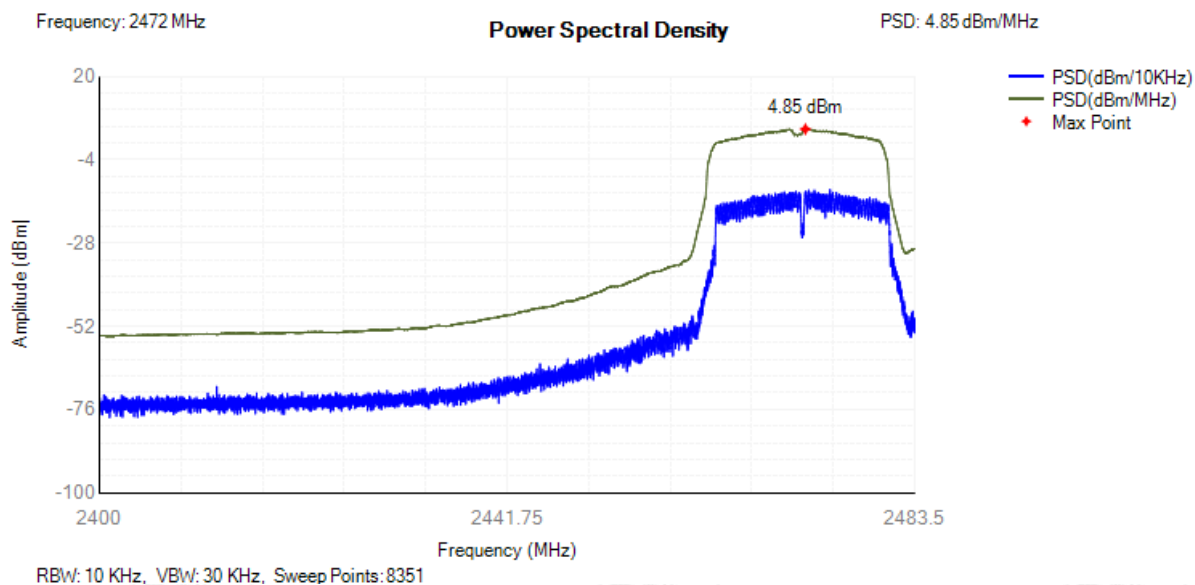
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PSD NVNT n20 2442MHz



PSD NVNT n20 2472MHz



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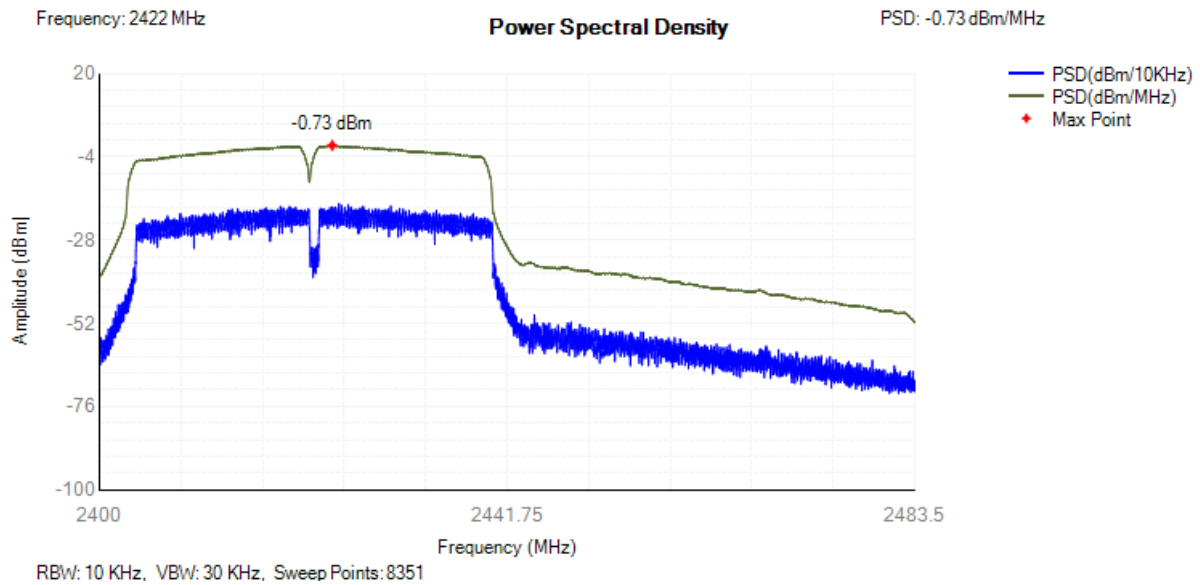
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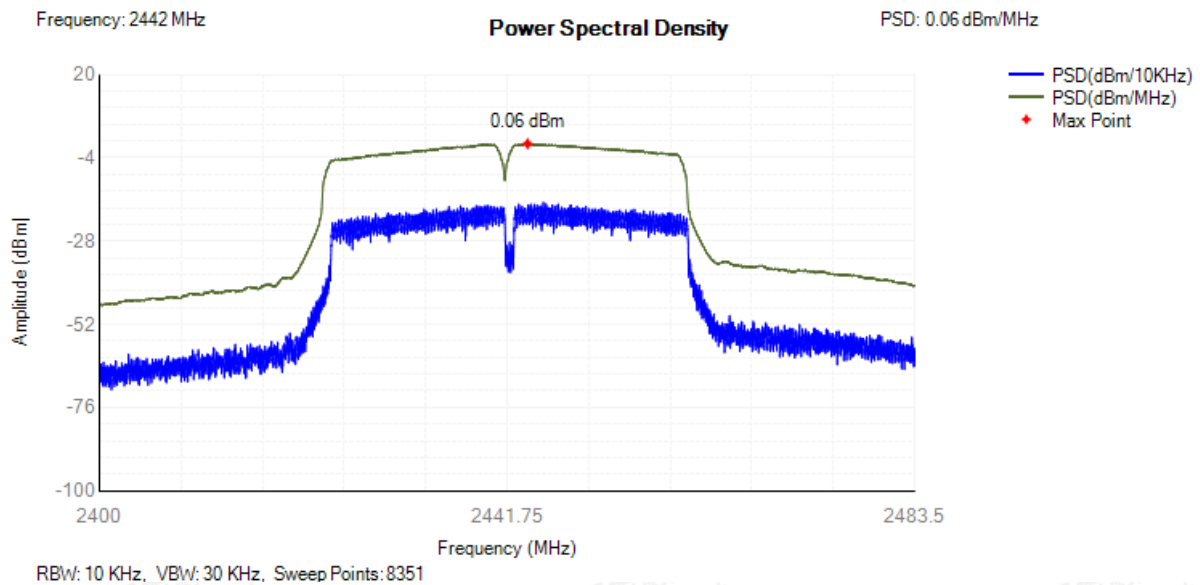
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PSD NVNT n40 2422MHz



PSD NVNT n40 2442MHz



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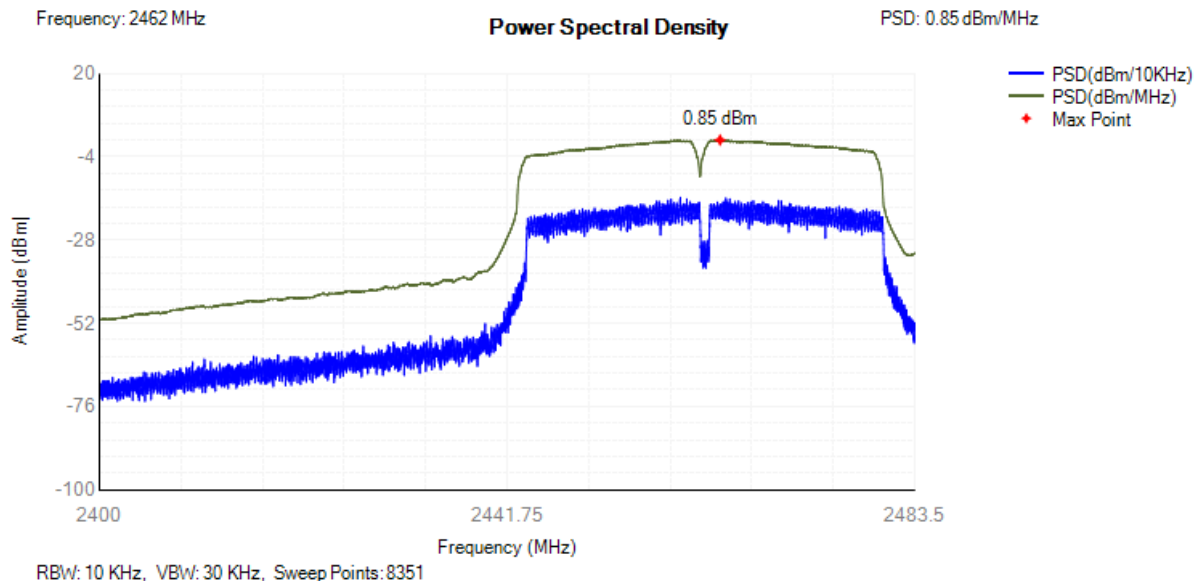
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PSD NVNT n40 2462MHz



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E.3 Adaptivity

Summary Of Test Result		
Test Mode	Channel	Conclusion
802.11b	Low	Pass
	High	Pass
802.11g	Low	Pass
	High	Pass
802.11n20	Low	Pass
	High	Pass
802.11n40	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)	-65.14
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max. COT (ms)	0.12
Pulse width (ms)	0
Duty Cycle (%)	0
The Worst Test Mode	802.11b: High Channel
AWGN Interference Level (dBm)	-66.95
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max COT (ms)	0.31
Pulse width (ms)	0
Duty Cycle (%)	0



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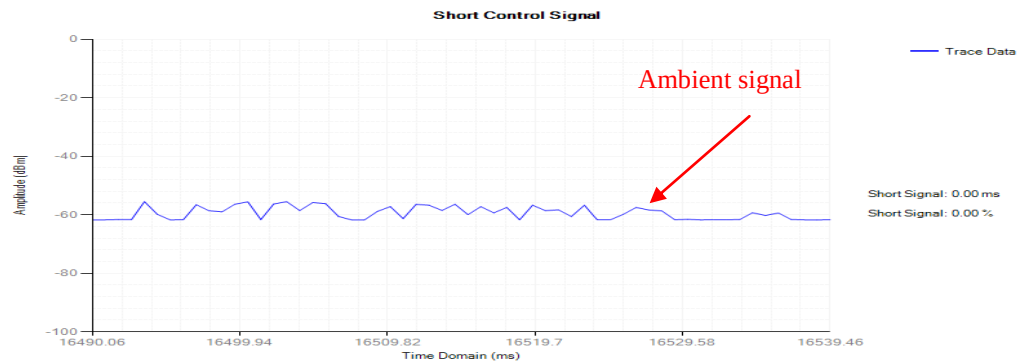
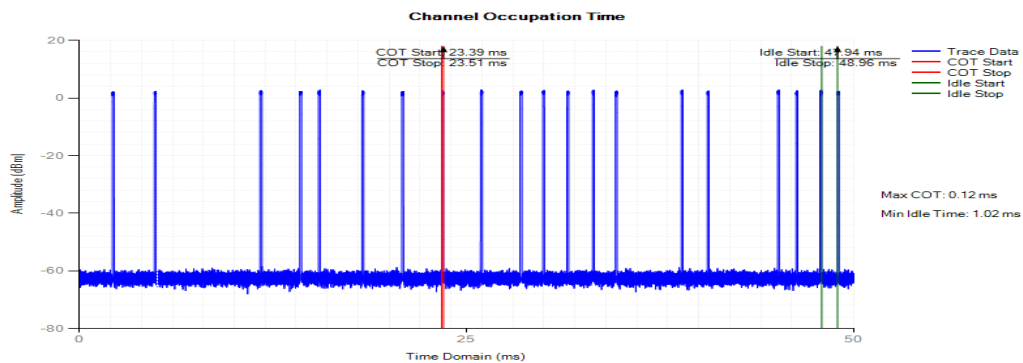
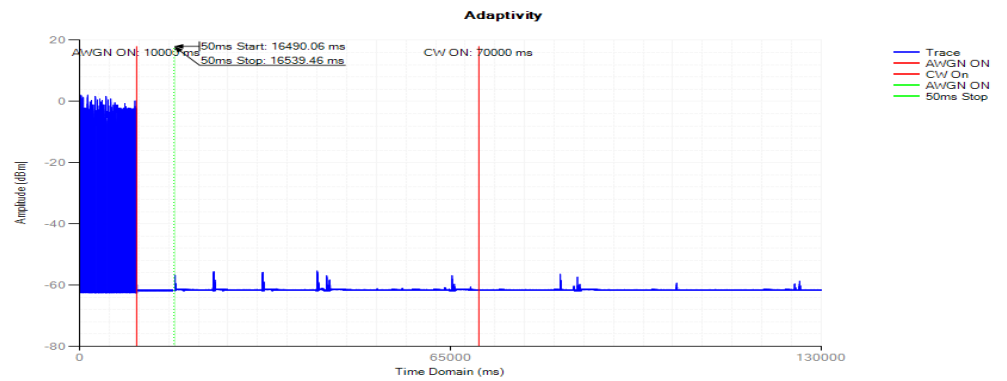
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Test plot (802.11b-Low channel):



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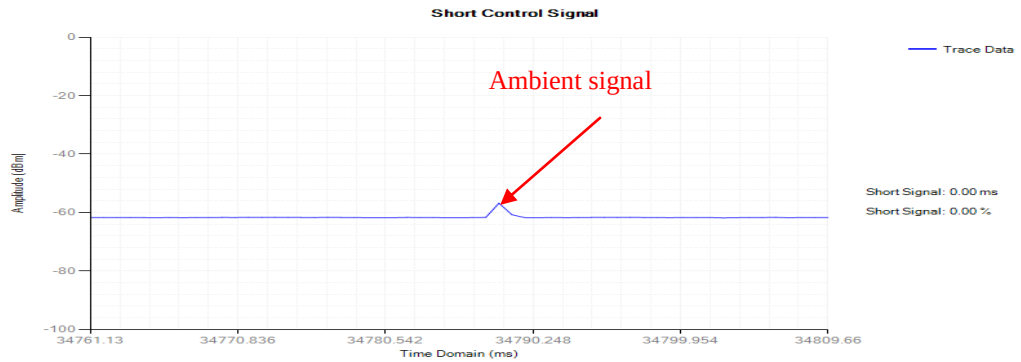
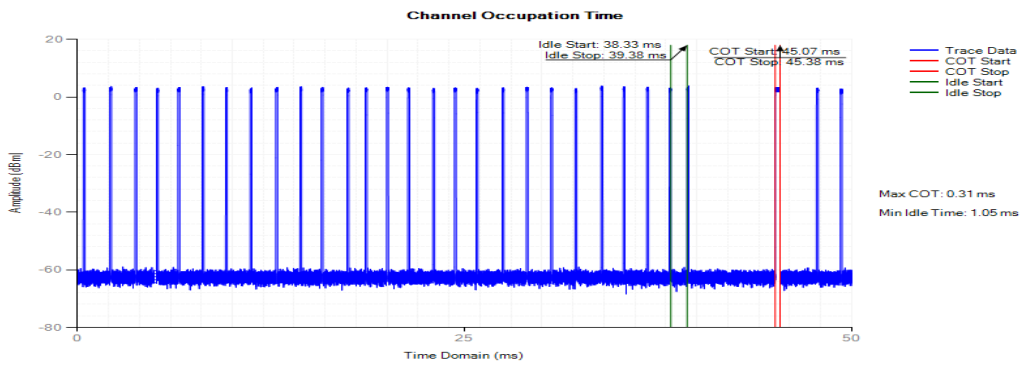
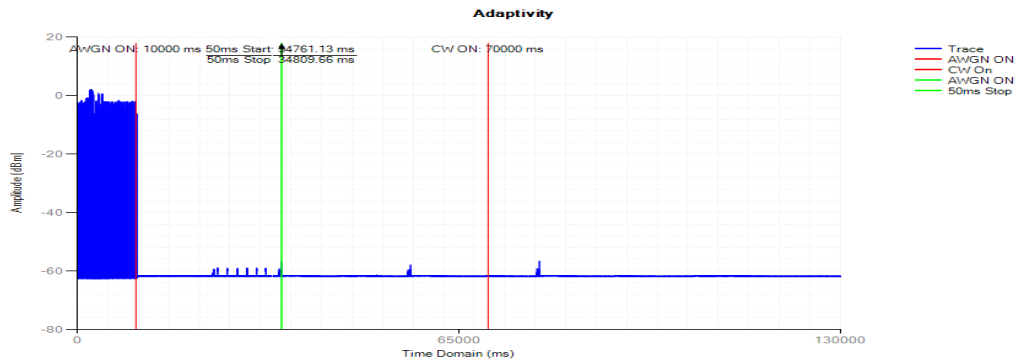
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Test plot (802.11b-High channel):



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Test Mode	802.11g: Low Channel
AWGN Interference Level (dBm)	-63.84
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max COT (ms)	0.1
Pulse width (ms)	0
Duty Cycle (%)	0
Test Mode	802.11g: High Channel
AWGN Interference Level (dBm)	-65.34
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max COT (ms)	0.03
Pulse width (ms)	0
Duty Cycle (%)	0



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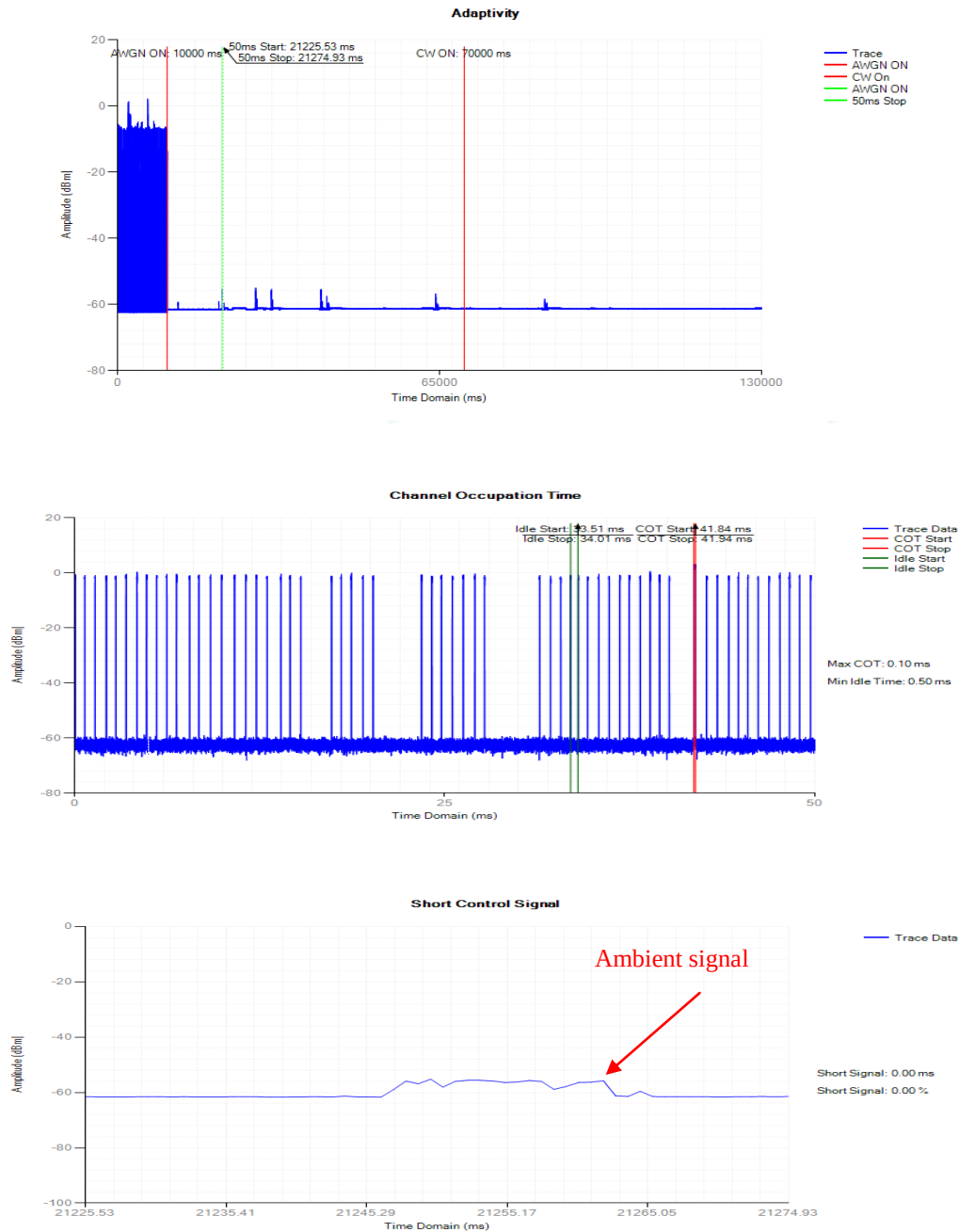
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Test plot (802.11g-Low channel):



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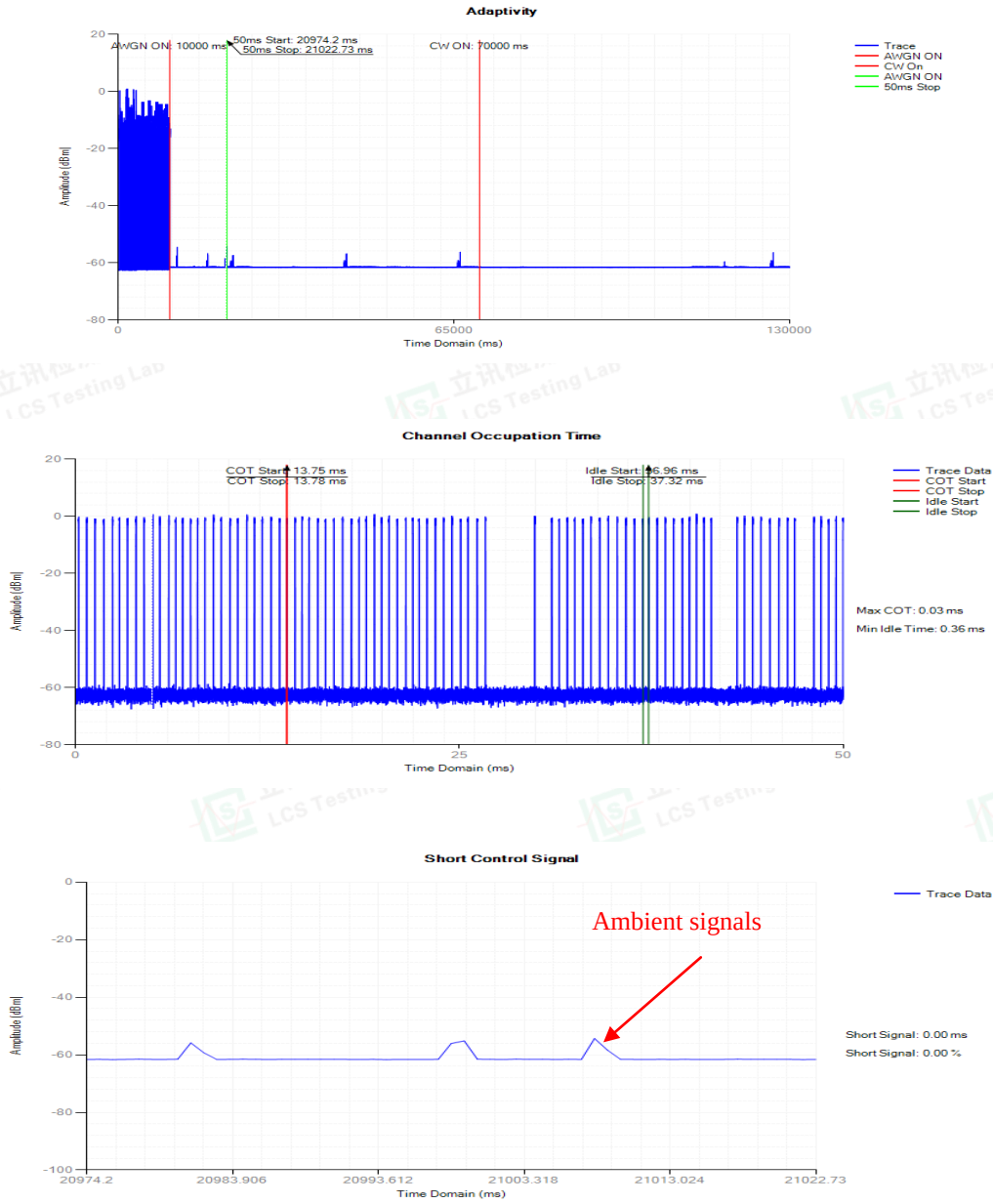
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Test plot (802.11g-High channel):



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The Worst Test Mode	802.11n20: Low Channel
AWGN Interference Level (dBm)	-63.3
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max. COT (ms)	0.04
Pulse width (ms)	0
Duty Cycle (%)	0
The Worst Test Mode	802.11n20: High Channel
AWGN Interference Level (dBm)	-65.73
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max COT (ms)	0.04
Pulse width (ms)	0
Duty Cycle (%)	0



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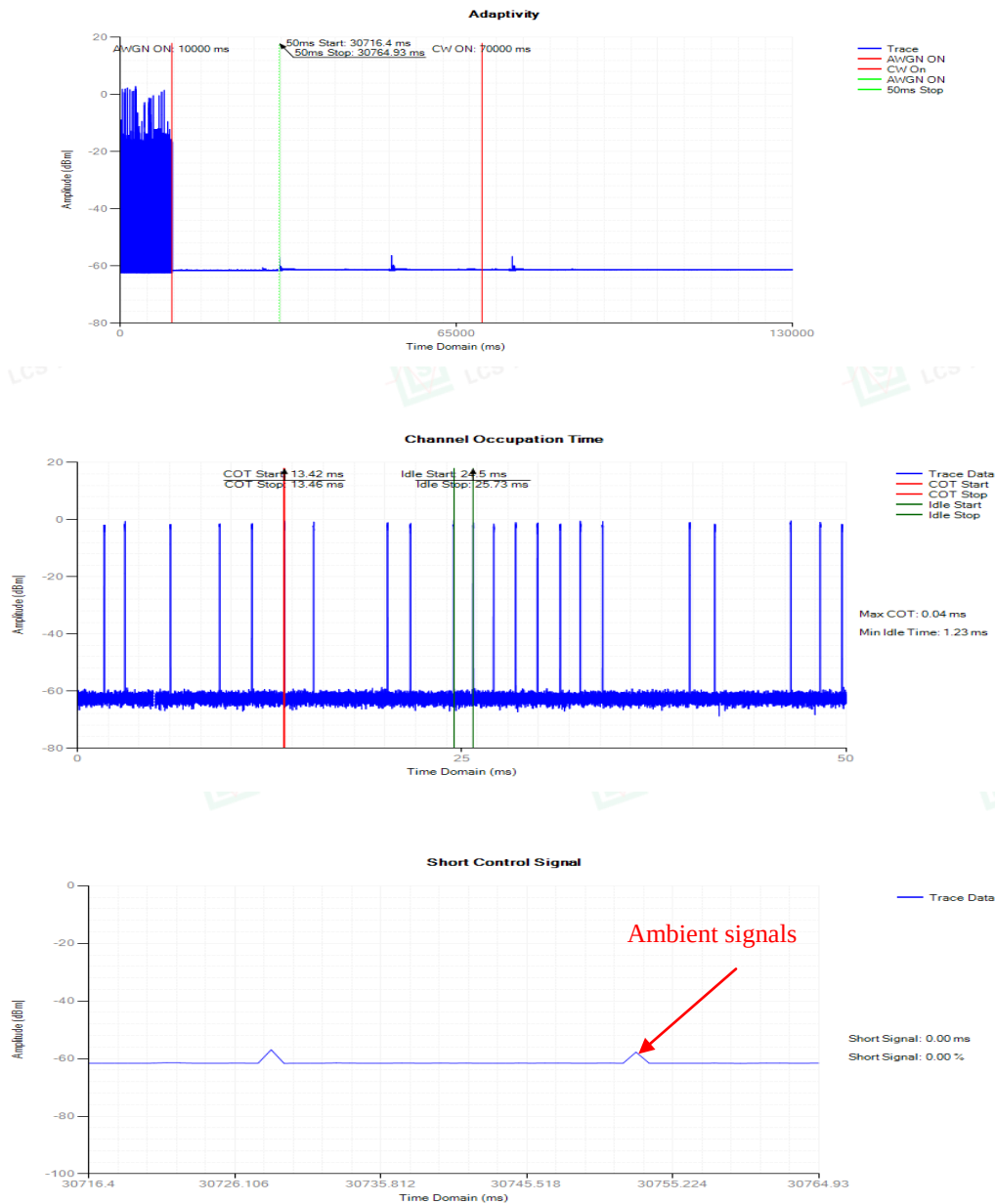
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Test plot (802.11n20-Low channel):



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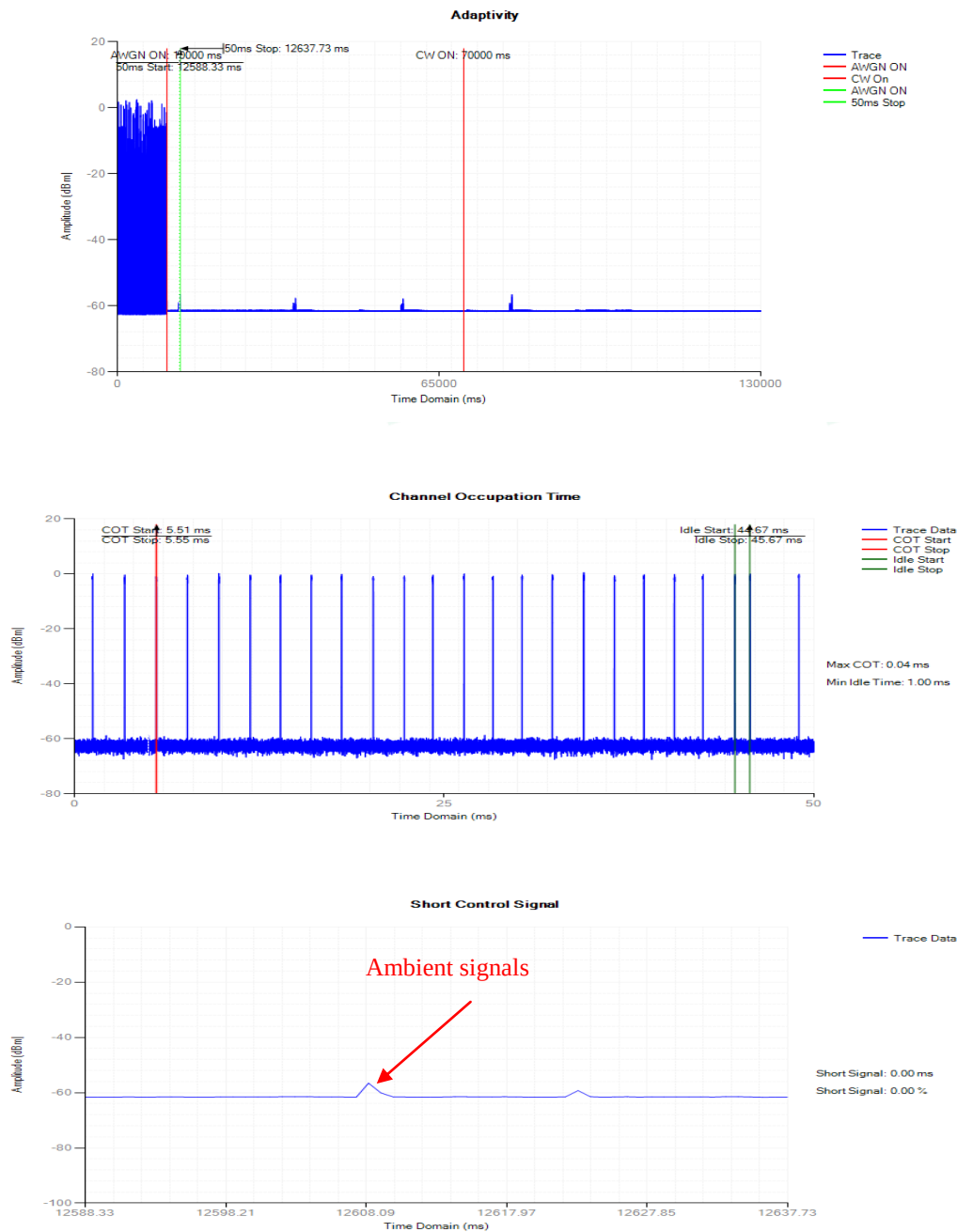
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Test plot (802.11n20-High channel):



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The Worst Test Mode	802.11n40: Low Channel
AWGN Interference Level (dBm)	-63.11
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max. COT (ms)	0.04
Pulse width (ms)	0
Duty Cycle (%)	0
The Worst Test Mode	802.11n40: High Channel
AWGN Interference Level (dBm)	-64.71
Blocking Interference Level (dBm)	-35
Interference Time (ms)	120000
Blocking Time (ms)	60000
Suggest q Level	4
Max COT (ms)	0.04
Pulse width (ms)	0
Duty Cycle (%)	0



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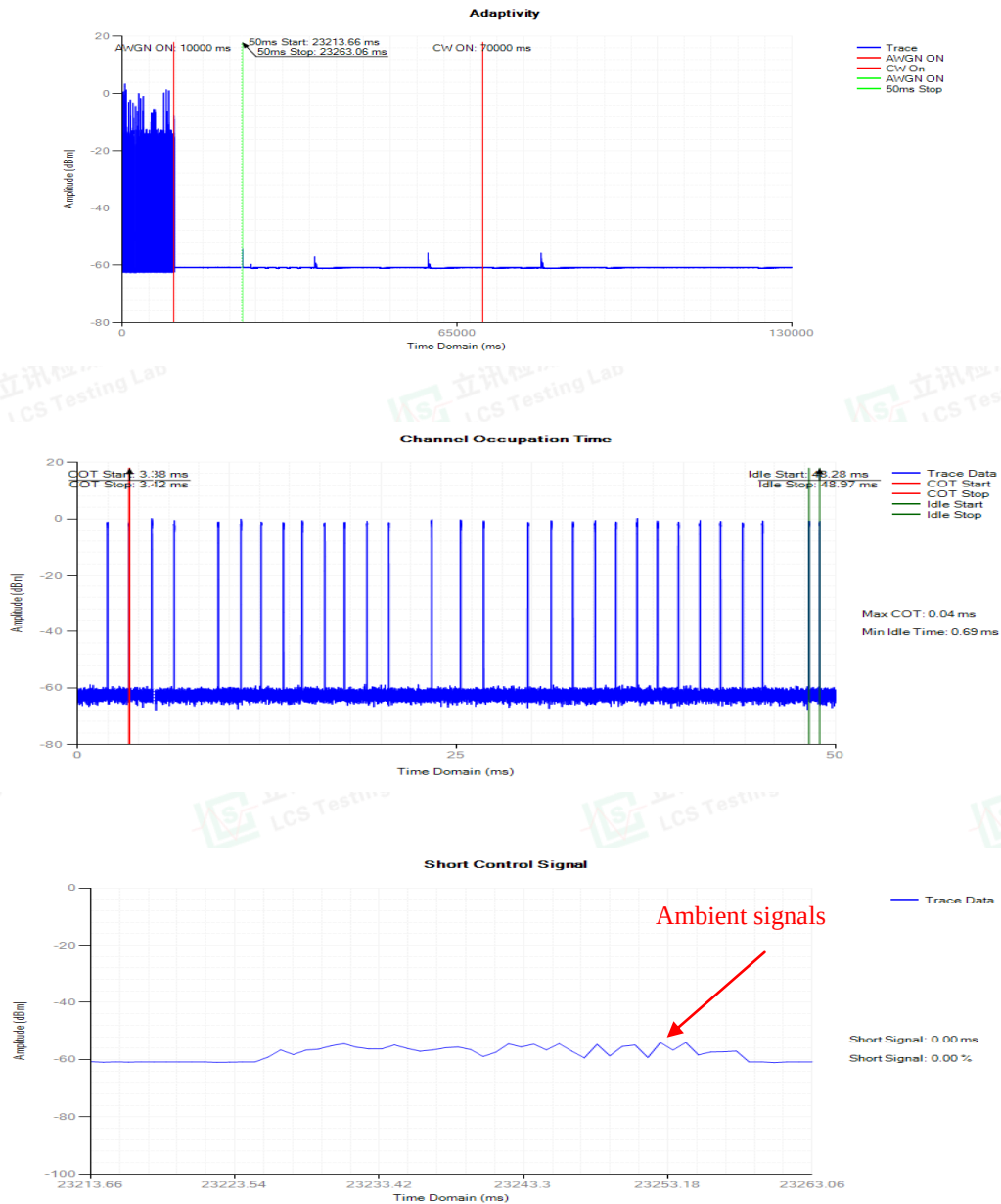
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Test plot (802.11n40-Low channel):



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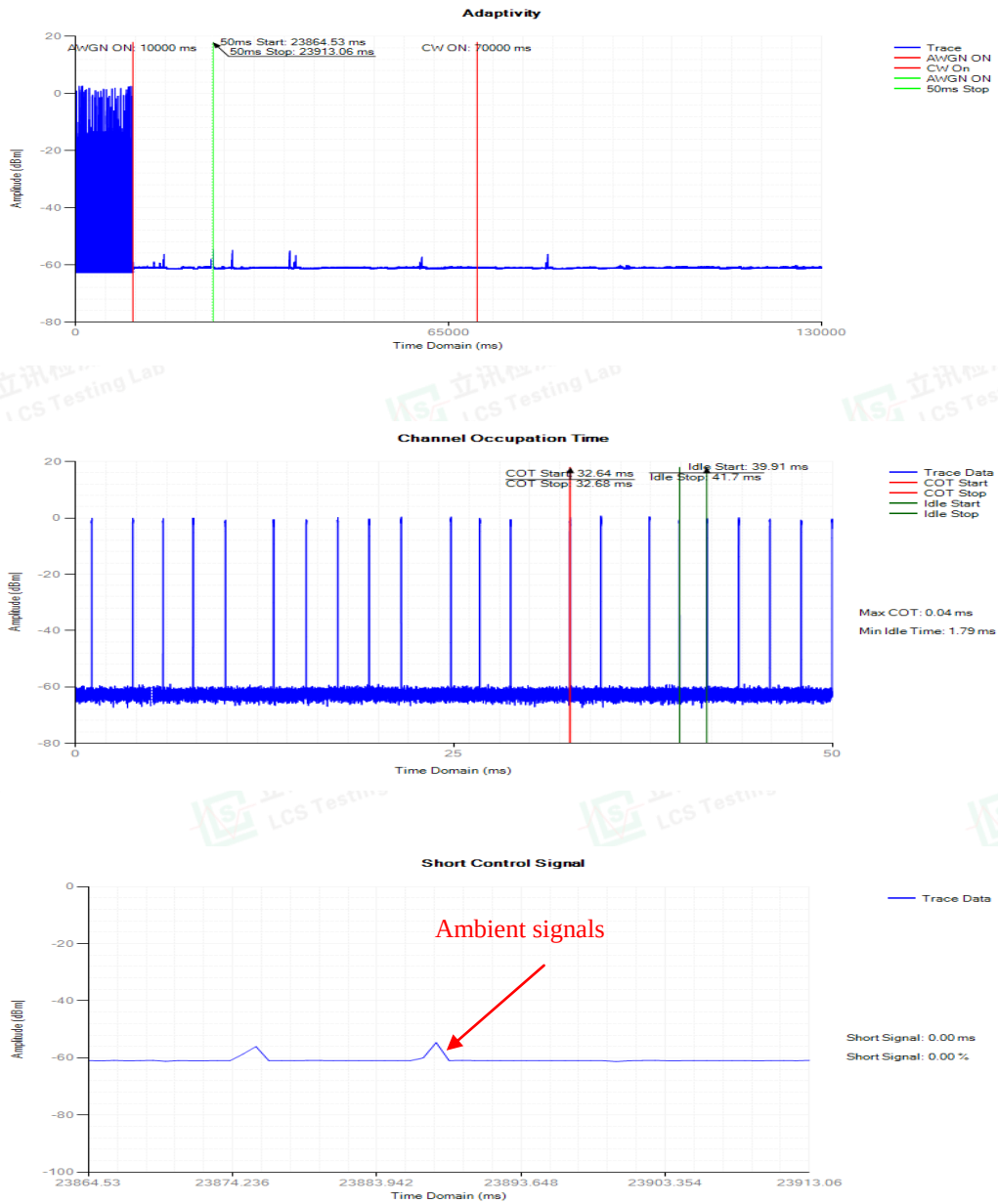
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Test plot (802.11n40-High channel):



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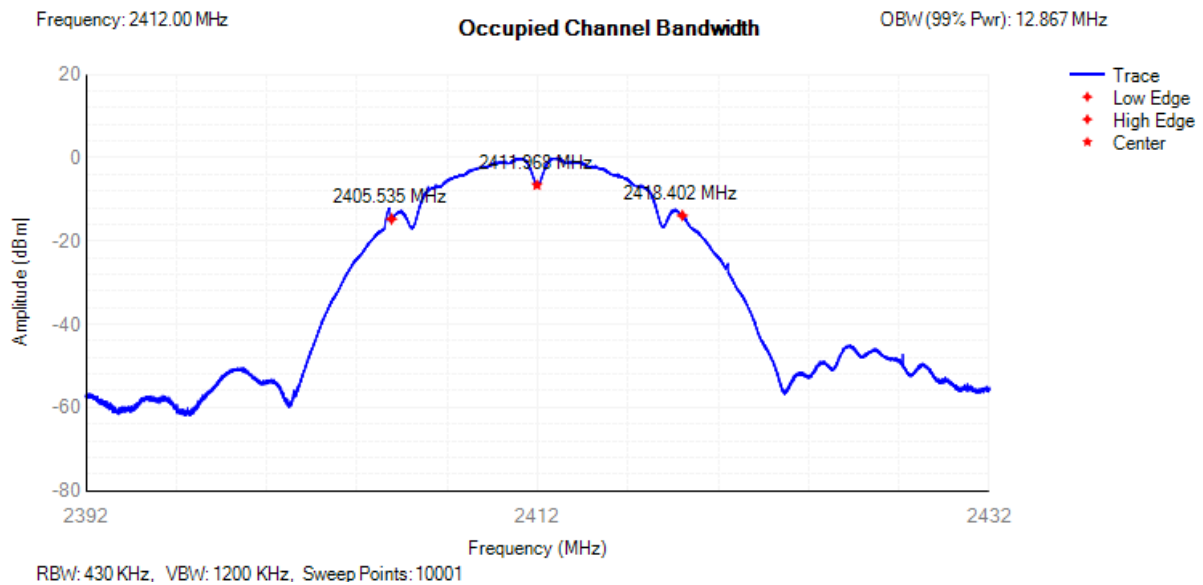
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E.4 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Center Frequency (MHz)	OBW (MHz)	Lower Edge (MHz)	Upper Edge (MHz)	Limit OBW (MHz)	Verdict
NVNT	b	2412	2411.968	12.867	2405.535	2418.402	2400 - 2483.5MHz	Pass
NVNT	b	2442	2442.031	12.765	2435.648	2448.414	2400 - 2483.5MHz	Pass
NVNT	b	2472	2472.028	12.692	2465.682	2478.375	2400 - 2483.5MHz	Pass
NVNT	g	2412	2412.009	16.449	2403.784	2420.234	2400 - 2483.5MHz	Pass
NVNT	g	2442	2442.017	16.459	2433.788	2450.247	2400 - 2483.5MHz	Pass
NVNT	g	2472	2472.01	16.456	2463.782	2480.238	2400 - 2483.5MHz	Pass
NVNT	n20	2412	2412.008	17.643	2403.186	2420.829	2400 - 2483.5MHz	Pass
NVNT	n20	2442	2442.017	17.645	2433.194	2450.839	2400 - 2483.5MHz	Pass
NVNT	n20	2472	2472.009	17.649	2463.184	2480.834	2400 - 2483.5MHz	Pass
NVNT	n40	2422	2422.053	36.079	2404.014	2440.093	2400 - 2483.5MHz	Pass
NVNT	n40	2442	2442.07	36.073	2424.033	2460.107	2400 - 2483.5MHz	Pass
NVNT	n40	2462	2462.063	36.062	2444.032	2480.094	2400 - 2483.5MHz	Pass

OBW NVNT b 2412MHz



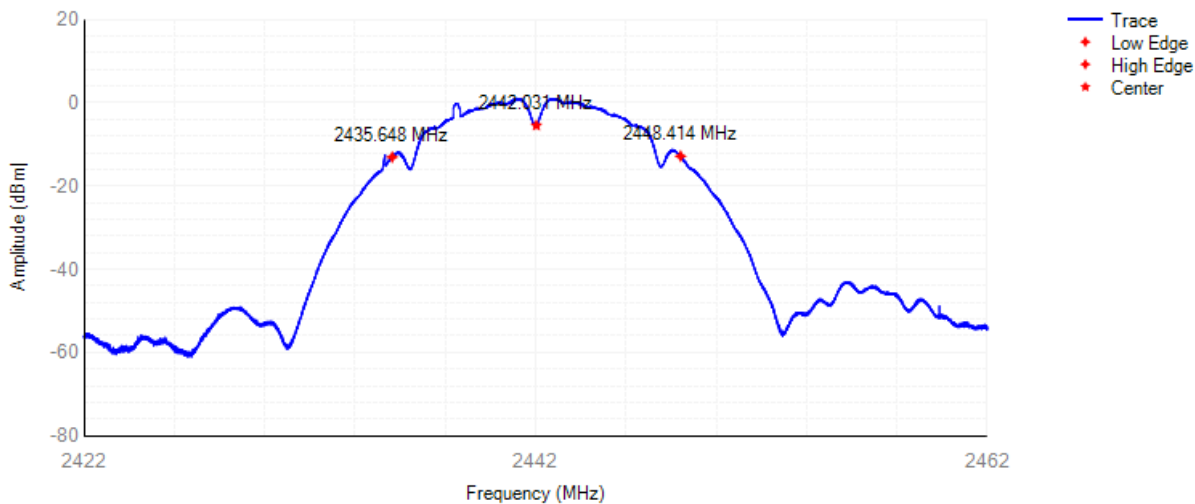


OBW NVNT b 2442MHz

Frequency: 2442.00 MHz

Occupied Channel Bandwidth

OBW(99% Pwr): 12.765 MHz

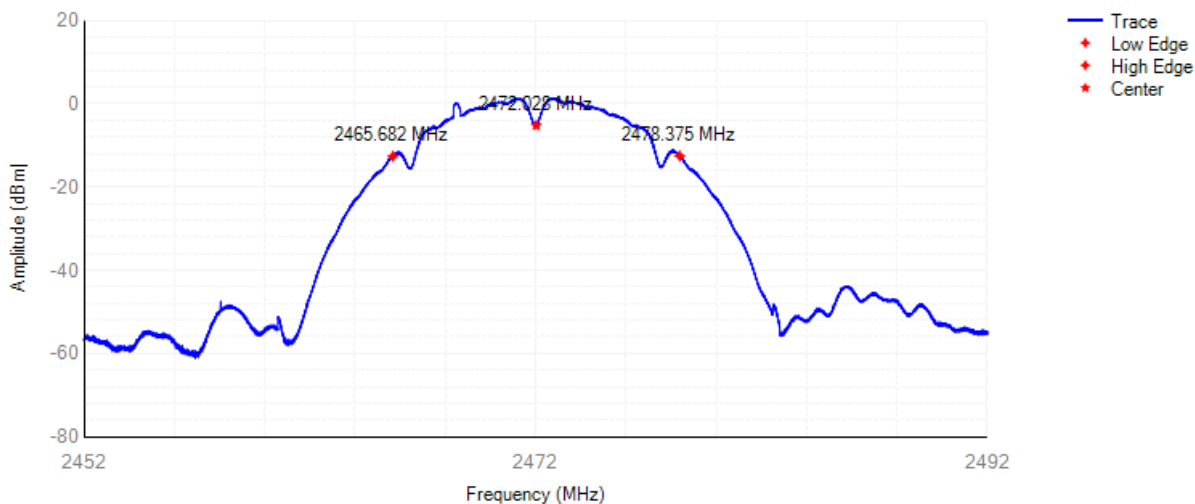


OBW NVNT b 2472MHz

Frequency: 2472.00 MHz

Occupied Channel Bandwidth

OBW(99% Pwr): 12.692 MHz



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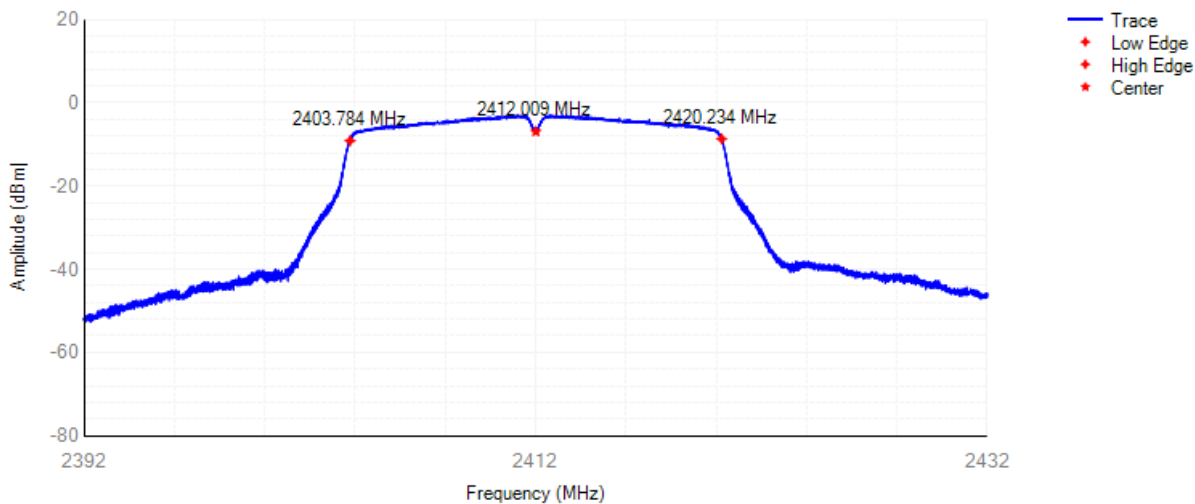


OBW NVNT g 2412MHz

Frequency: 2412.00 MHz

Occupied Channel Bandwidth

OBW(99% Pwr): 16.449 MHz

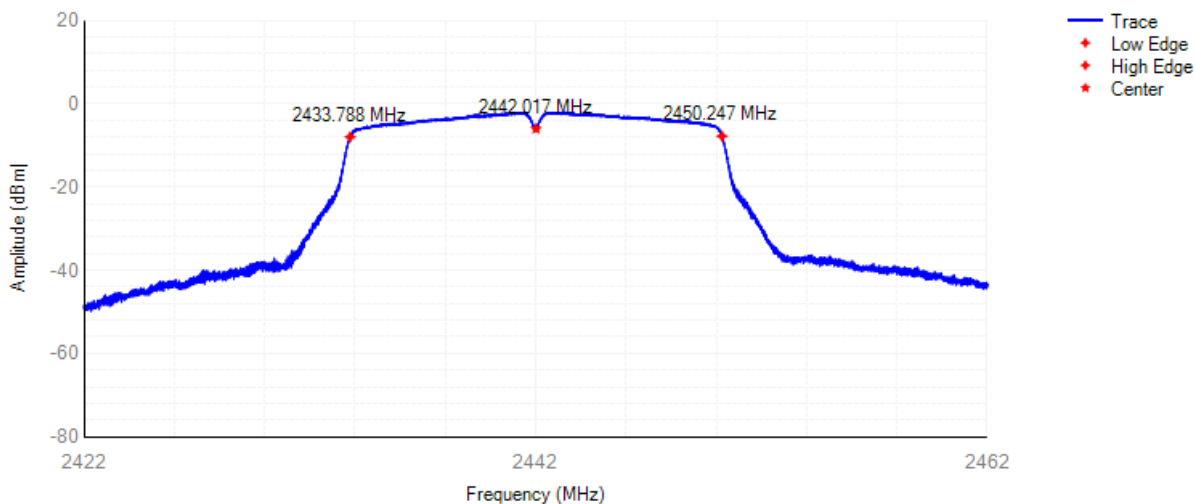


OBW NVNT g 2442MHz

Frequency: 2442.00 MHz

Occupied Channel Bandwidth

OBW(99% Pwr): 16.459 MHz



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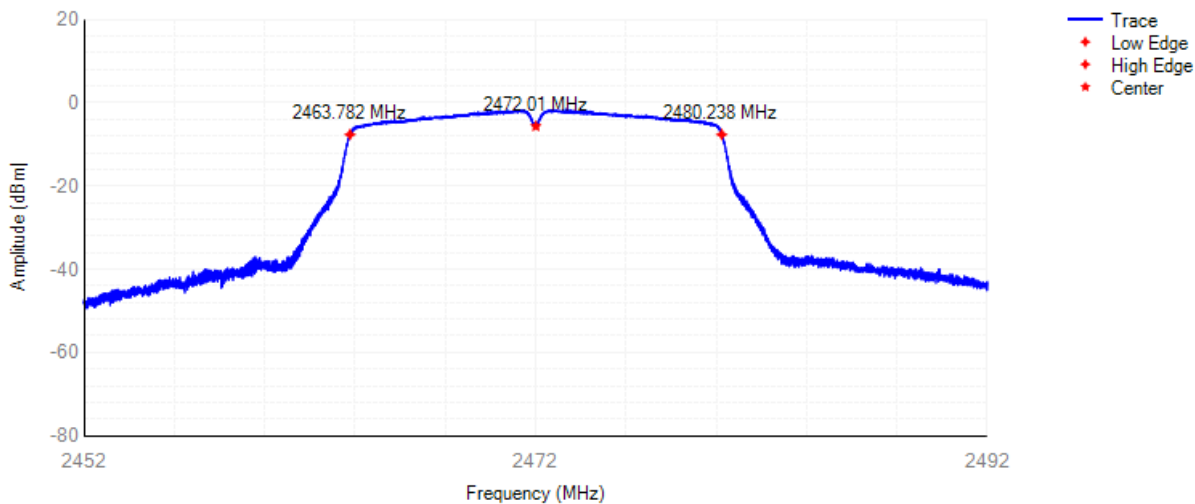


OBW NVNT g 2472MHz

Frequency: 2472.00 MHz

Occupied Channel Bandwidth

OBW(99% Pwr): 16.456 MHz

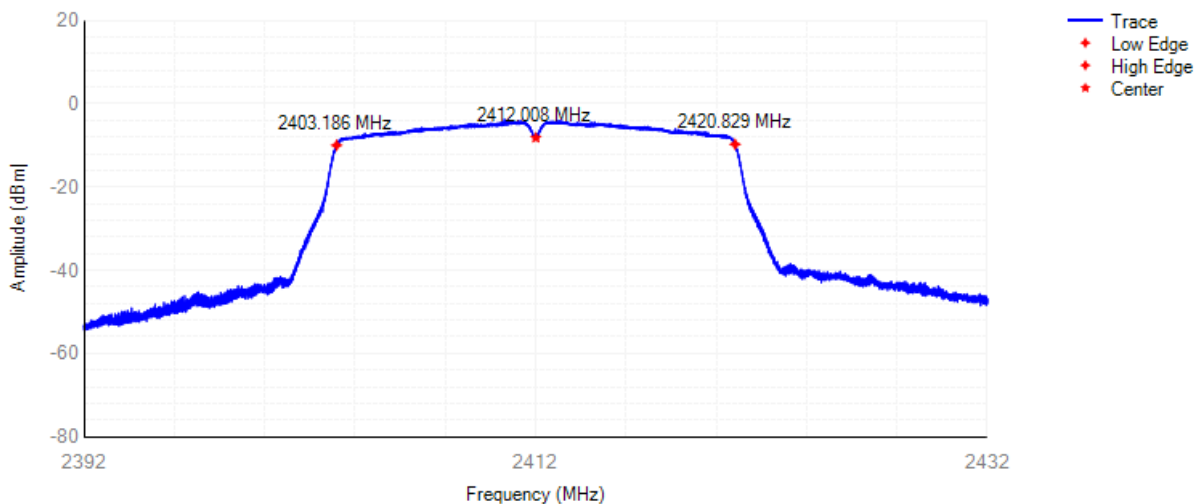


OBW NVNT n20 2412MHz

Frequency: 2412.00 MHz

Occupied Channel Bandwidth

OBW(99% Pwr): 17.643 MHz



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Scan code to check authenticity

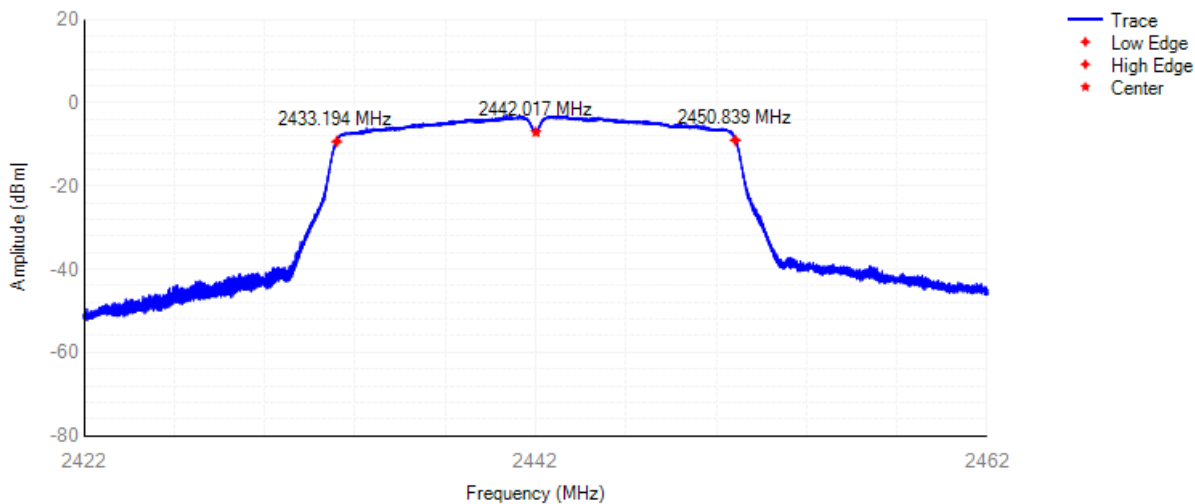


OBW NVNT n20 2442MHz

Frequency: 2442.00 MHz

Occupied Channel Bandwidth

OBW(99% Pwr): 17.645 MHz

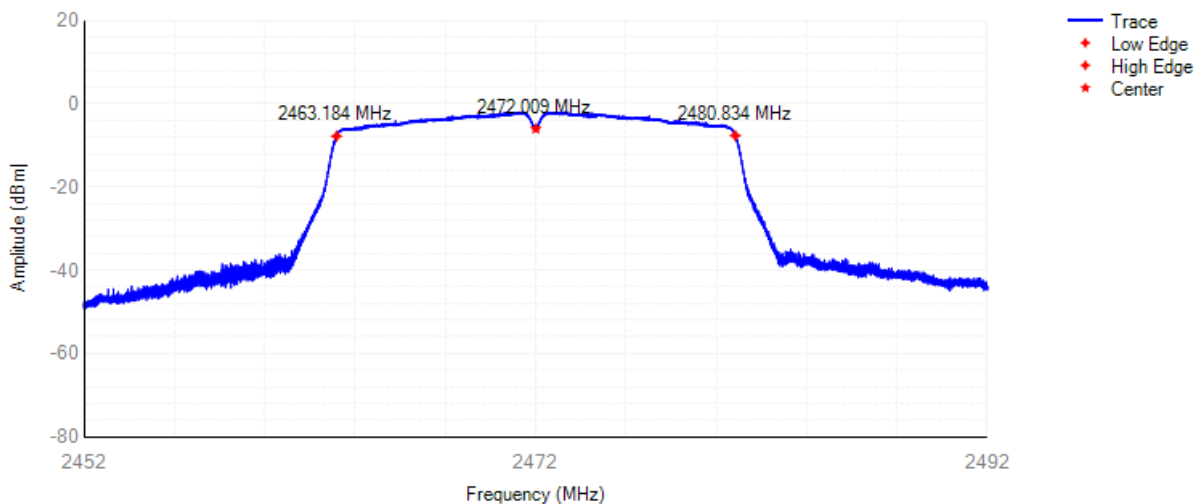


OBW NVNT n20 2472MHz

Frequency: 2472.00 MHz

Occupied Channel Bandwidth

OBW(99% Pwr): 17.649 MHz



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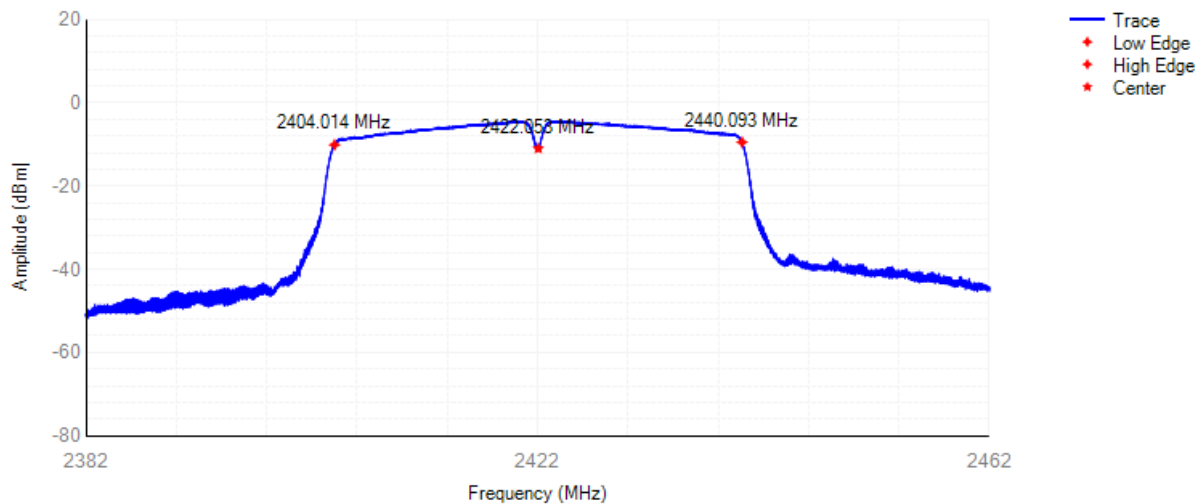


OBW NVNT n40 2422MHz

Frequency: 2422.00 MHz

Occupied Channel Bandwidth

OBW(99% Pwr): 36.079 MHz

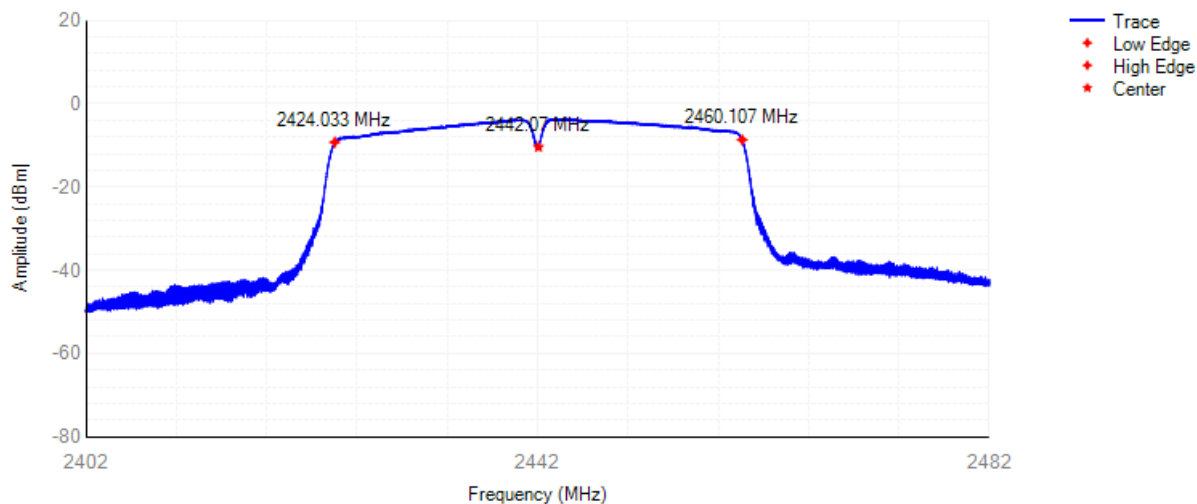


OBW NVNT n40 2442MHz

Frequency: 2442.00 MHz

Occupied Channel Bandwidth

OBW(99% Pwr): 36.073 MHz



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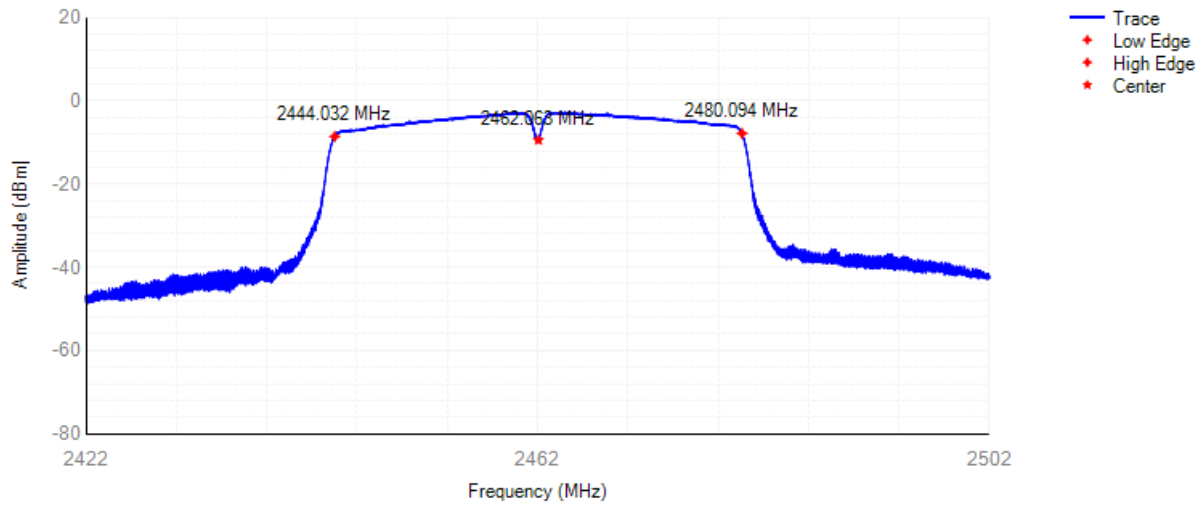


OBW NVNT n40 2462MHz

Frequency: 2462.00 MHz

Occupied Channel Bandwidth

OBW(99% Pwr): 36.062 MHz



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E.5 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	-46.1	-10	Pass
NVNT	b	2412	2398.5	-44.96	-10	Pass
NVNT	b	2412	2397.5	-49.01	-10	Pass
NVNT	b	2412	2396.5	-56.84	-10	Pass
NVNT	b	2412	2395.5	-53.25	-10	Pass
NVNT	b	2412	2394.5	-53.23	-10	Pass
NVNT	b	2412	2393.5	-56.39	-10	Pass
NVNT	b	2412	2392.5	-52.84	-10	Pass
NVNT	b	2412	2391.5	-54.37	-10	Pass
NVNT	b	2412	2390.5	-58.08	-10	Pass
NVNT	b	2412	2389.5	-59.67	-10	Pass
NVNT	b	2412	2388.5	-58.37	-10	Pass
NVNT	b	2412	2387.633	-56.77	-10	Pass
NVNT	b	2412	2386.633	-56.23	-20	Pass
NVNT	b	2412	2385.633	-56.91	-20	Pass
NVNT	b	2412	2384.633	-59.44	-20	Pass
NVNT	b	2412	2383.633	-58.96	-20	Pass
NVNT	b	2412	2382.633	-59.99	-20	Pass
NVNT	b	2412	2381.633	-60.29	-20	Pass
NVNT	b	2412	2380.633	-60.5	-20	Pass
NVNT	b	2412	2379.633	-60.54	-20	Pass
NVNT	b	2412	2378.633	-60.94	-20	Pass
NVNT	b	2412	2377.633	-60.92	-20	Pass
NVNT	b	2412	2376.633	-60.3	-20	Pass
NVNT	b	2412	2375.633	-60.37	-20	Pass
NVNT	b	2412	2374.766	-60.86	-20	Pass
NVNT	b	2472	2484	-44.46	-10	Pass
NVNT	b	2472	2485	-40.67	-10	Pass
NVNT	b	2472	2486	-38.23	-10	Pass
NVNT	b	2472	2487	-39.12	-10	Pass
NVNT	b	2472	2488	-41.44	-10	Pass
NVNT	b	2472	2489	-42.58	-10	Pass
NVNT	b	2472	2490	-45.85	-10	Pass
NVNT	b	2472	2491	-47.95	-10	Pass
NVNT	b	2472	2492	-49.39	-10	Pass



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NVNT	b	2472	2493	-54.13	-10	Pass
NVNT	b	2472	2494	-56.19	-10	Pass
NVNT	b	2472	2495	-56.21	-10	Pass
NVNT	b	2472	2495.692	-56.11	-10	Pass
NVNT	b	2472	2496.692	-54.7	-20	Pass
NVNT	b	2472	2497.692	-53.77	-20	Pass
NVNT	b	2472	2498.692	-55.48	-20	Pass
NVNT	b	2472	2499.692	-55.99	-20	Pass
NVNT	b	2472	2500.692	-55.55	-20	Pass
NVNT	b	2472	2501.692	-55.11	-20	Pass
NVNT	b	2472	2502.692	-56.06	-20	Pass
NVNT	b	2472	2503.692	-56.88	-20	Pass
NVNT	b	2472	2504.692	-56.95	-20	Pass
NVNT	b	2472	2505.692	-56.94	-20	Pass
NVNT	b	2472	2506.692	-56.61	-20	Pass
NVNT	b	2472	2507.692	-56.04	-20	Pass
NVNT	b	2472	2508.384	-56.08	-20	Pass
NVNT	g	2412	2399.5	-36.63	-10	Pass
NVNT	g	2412	2398.5	-38.76	-10	Pass
NVNT	g	2412	2397.5	-39.4	-10	Pass
NVNT	g	2412	2396.5	-40.92	-10	Pass
NVNT	g	2412	2395.5	-41.74	-10	Pass
NVNT	g	2412	2394.5	-42.96	-10	Pass
NVNT	g	2412	2393.5	-44.68	-10	Pass
NVNT	g	2412	2392.5	-45.95	-10	Pass
NVNT	g	2412	2391.5	-47.06	-10	Pass
NVNT	g	2412	2390.5	-48.09	-10	Pass
NVNT	g	2412	2389.5	-48.56	-10	Pass
NVNT	g	2412	2388.5	-49.14	-10	Pass
NVNT	g	2412	2387.5	-50.16	-10	Pass
NVNT	g	2412	2386.5	-50.98	-10	Pass
NVNT	g	2412	2385.5	-51.4	-10	Pass
NVNT	g	2412	2384.5	-52.21	-10	Pass
NVNT	g	2412	2384.051	-52.2	-10	Pass
NVNT	g	2412	2383.051	-53.08	-20	Pass
NVNT	g	2412	2382.051	-53.42	-20	Pass
NVNT	g	2412	2381.051	-53.78	-20	Pass
NVNT	g	2412	2380.051	-54.37	-20	Pass
NVNT	g	2412	2379.051	-54.68	-20	Pass
NVNT	g	2412	2378.051	-55.47	-20	Pass



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NVNT	g	2412	2377.051	-55.7	-20	Pass
NVNT	g	2412	2376.051	-56.07	-20	Pass
NVNT	g	2412	2375.051	-56.17	-20	Pass
NVNT	g	2412	2374.051	-56.56	-20	Pass
NVNT	g	2412	2373.051	-56.74	-20	Pass
NVNT	g	2412	2372.051	-57.12	-20	Pass
NVNT	g	2412	2371.051	-57.38	-20	Pass
NVNT	g	2412	2370.051	-57.5	-20	Pass
NVNT	g	2412	2369.051	-57.72	-20	Pass
NVNT	g	2412	2368.051	-57.84	-20	Pass
NVNT	g	2412	2367.602	-58.08	-20	Pass
NVNT	g	2472	2484	-32.24	-10	Pass
NVNT	g	2472	2485	-32.67	-10	Pass
NVNT	g	2472	2486	-33.79	-10	Pass
NVNT	g	2472	2487	-34.31	-10	Pass
NVNT	g	2472	2488	-34.98	-10	Pass
NVNT	g	2472	2489	-35.63	-10	Pass
NVNT	g	2472	2490	-36.02	-10	Pass
NVNT	g	2472	2491	-37	-10	Pass
NVNT	g	2472	2492	-37.68	-10	Pass
NVNT	g	2472	2493	-38.24	-10	Pass
NVNT	g	2472	2494	-38.94	-10	Pass
NVNT	g	2472	2495	-39.88	-10	Pass
NVNT	g	2472	2496	-40.51	-10	Pass
NVNT	g	2472	2497	-41.42	-10	Pass
NVNT	g	2472	2498	-42.77	-10	Pass
NVNT	g	2472	2499	-43.71	-10	Pass
NVNT	g	2472	2499.456	-43.67	-10	Pass
NVNT	g	2472	2500.456	-45.51	-20	Pass
NVNT	g	2472	2501.456	-46.67	-20	Pass
NVNT	g	2472	2502.456	-47.95	-20	Pass
NVNT	g	2472	2503.456	-48.73	-20	Pass
NVNT	g	2472	2504.456	-49.8	-20	Pass
NVNT	g	2472	2505.456	-50.57	-20	Pass
NVNT	g	2472	2506.456	-51.06	-20	Pass
NVNT	g	2472	2507.456	-51.94	-20	Pass
NVNT	g	2472	2508.456	-52.28	-20	Pass
NVNT	g	2472	2509.456	-52.32	-20	Pass
NVNT	g	2472	2510.456	-52.93	-20	Pass
NVNT	g	2472	2511.456	-53.18	-20	Pass



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NVNT	g	2472	2512.456	-53.34	-20	Pass
NVNT	g	2472	2513.456	-53.59	-20	Pass
NVNT	g	2472	2514.456	-53.82	-20	Pass
NVNT	g	2472	2515.456	-53.71	-20	Pass
NVNT	g	2472	2515.912	-54	-20	Pass
NVNT	n20	2412	2399.5	-39.51	-10	Pass
NVNT	n20	2412	2398.5	-41.12	-10	Pass
NVNT	n20	2412	2397.5	-42.6	-10	Pass
NVNT	n20	2412	2396.5	-43.27	-10	Pass
NVNT	n20	2412	2395.5	-44.83	-10	Pass
NVNT	n20	2412	2394.5	-45.94	-10	Pass
NVNT	n20	2412	2393.5	-46.83	-10	Pass
NVNT	n20	2412	2392.5	-47.63	-10	Pass
NVNT	n20	2412	2391.5	-48.68	-10	Pass
NVNT	n20	2412	2390.5	-49.62	-10	Pass
NVNT	n20	2412	2389.5	-50.37	-10	Pass
NVNT	n20	2412	2388.5	-50.99	-10	Pass
NVNT	n20	2412	2387.5	-51.74	-10	Pass
NVNT	n20	2412	2386.5	-52.04	-10	Pass
NVNT	n20	2412	2385.5	-52.31	-10	Pass
NVNT	n20	2412	2384.5	-53.13	-10	Pass
NVNT	n20	2412	2383.5	-53.18	-10	Pass
NVNT	n20	2412	2382.857	-53.8	-10	Pass
NVNT	n20	2412	2381.857	-54.16	-20	Pass
NVNT	n20	2412	2380.857	-54.64	-20	Pass
NVNT	n20	2412	2379.857	-54.95	-20	Pass
NVNT	n20	2412	2378.857	-55.14	-20	Pass
NVNT	n20	2412	2377.857	-55.71	-20	Pass
NVNT	n20	2412	2376.857	-55.91	-20	Pass
NVNT	n20	2412	2375.857	-56.37	-20	Pass
NVNT	n20	2412	2374.857	-56.67	-20	Pass
NVNT	n20	2412	2373.857	-56.95	-20	Pass
NVNT	n20	2412	2372.857	-57.19	-20	Pass
NVNT	n20	2412	2371.857	-57.5	-20	Pass
NVNT	n20	2412	2370.857	-57.58	-20	Pass
NVNT	n20	2412	2369.857	-57.79	-20	Pass
NVNT	n20	2412	2368.857	-58.13	-20	Pass
NVNT	n20	2412	2367.857	-58.18	-20	Pass
NVNT	n20	2412	2366.857	-58.22	-20	Pass
NVNT	n20	2412	2365.857	-58.42	-20	Pass



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NVNT	n20	2412	2365.214	-58.79	-20	Pass
NVNT	n20	2472	2484	-30.7	-10	Pass
NVNT	n20	2472	2485	-33.32	-10	Pass
NVNT	n20	2472	2486	-34.07	-10	Pass
NVNT	n20	2472	2487	-34.39	-10	Pass
NVNT	n20	2472	2488	-35.04	-10	Pass
NVNT	n20	2472	2489	-35.78	-10	Pass
NVNT	n20	2472	2490	-36.87	-10	Pass
NVNT	n20	2472	2491	-36.92	-10	Pass
NVNT	n20	2472	2492	-37.37	-10	Pass
NVNT	n20	2472	2493	-38.3	-10	Pass
NVNT	n20	2472	2494	-38.95	-10	Pass
NVNT	n20	2472	2495	-39.86	-10	Pass
NVNT	n20	2472	2496	-40.29	-10	Pass
NVNT	n20	2472	2497	-41.06	-10	Pass
NVNT	n20	2472	2498	-42.39	-10	Pass
NVNT	n20	2472	2499	-43.27	-10	Pass
NVNT	n20	2472	2500	-43.8	-10	Pass
NVNT	n20	2472	2500.649	-44.51	-10	Pass
NVNT	n20	2472	2501.649	-45.83	-20	Pass
NVNT	n20	2472	2502.649	-46.8	-20	Pass
NVNT	n20	2472	2503.649	-47.48	-20	Pass
NVNT	n20	2472	2504.649	-48.48	-20	Pass
NVNT	n20	2472	2505.649	-49.34	-20	Pass
NVNT	n20	2472	2506.649	-49.94	-20	Pass
NVNT	n20	2472	2507.649	-51.11	-20	Pass
NVNT	n20	2472	2508.649	-51.77	-20	Pass
NVNT	n20	2472	2509.649	-52.17	-20	Pass
NVNT	n20	2472	2510.649	-52.4	-20	Pass
NVNT	n20	2472	2511.649	-52.76	-20	Pass
NVNT	n20	2472	2512.649	-53.02	-20	Pass
NVNT	n20	2472	2513.649	-53.31	-20	Pass
NVNT	n20	2472	2514.649	-53.48	-20	Pass
NVNT	n20	2472	2515.649	-53.64	-20	Pass
NVNT	n20	2472	2516.649	-53.78	-20	Pass
NVNT	n20	2472	2517.649	-53.93	-20	Pass
NVNT	n20	2472	2518.298	-53.98	-20	Pass
NVNT	n40	2422	2399.5	-39.95	-10	Pass
NVNT	n40	2422	2398.5	-42.44	-10	Pass
NVNT	n40	2422	2397.5	-42.44	-10	Pass



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NVNT	n40	2422	2396.5	-43.48	-10	Pass
NVNT	n40	2422	2395.5	-43.75	-10	Pass
NVNT	n40	2422	2394.5	-44.23	-10	Pass
NVNT	n40	2422	2393.5	-44.37	-10	Pass
NVNT	n40	2422	2392.5	-44.53	-10	Pass
NVNT	n40	2422	2391.5	-44.66	-10	Pass
NVNT	n40	2422	2390.5	-45.12	-10	Pass
NVNT	n40	2422	2389.5	-45.21	-10	Pass
NVNT	n40	2422	2388.5	-45.92	-10	Pass
NVNT	n40	2422	2387.5	-46.24	-10	Pass
NVNT	n40	2422	2386.5	-46.27	-10	Pass
NVNT	n40	2422	2385.5	-46.39	-10	Pass
NVNT	n40	2422	2384.5	-46.43	-10	Pass
NVNT	n40	2422	2383.5	-46.55	-10	Pass
NVNT	n40	2422	2382.5	-47.31	-10	Pass
NVNT	n40	2422	2381.5	-47.5	-10	Pass
NVNT	n40	2422	2380.5	-47.49	-10	Pass
NVNT	n40	2422	2379.5	-48.1	-10	Pass
NVNT	n40	2422	2378.5	-48.1	-10	Pass
NVNT	n40	2422	2377.5	-48.13	-10	Pass
NVNT	n40	2422	2376.5	-49.01	-10	Pass
NVNT	n40	2422	2375.5	-49.19	-10	Pass
NVNT	n40	2422	2374.5	-49.46	-10	Pass
NVNT	n40	2422	2373.5	-50.17	-10	Pass
NVNT	n40	2422	2372.5	-50.16	-10	Pass
NVNT	n40	2422	2371.5	-50.66	-10	Pass
NVNT	n40	2422	2370.5	-50.76	-10	Pass
NVNT	n40	2422	2369.5	-51.27	-10	Pass
NVNT	n40	2422	2368.5	-51.77	-10	Pass
NVNT	n40	2422	2367.5	-52.25	-10	Pass
NVNT	n40	2422	2366.5	-52.86	-10	Pass
NVNT	n40	2422	2365.5	-52.72	-10	Pass
NVNT	n40	2422	2364.5	-52.9	-10	Pass
NVNT	n40	2422	2364.421	-53.12	-10	Pass
NVNT	n40	2422	2363.421	-53.91	-20	Pass
NVNT	n40	2422	2362.421	-54.31	-20	Pass
NVNT	n40	2422	2361.421	-54.16	-20	Pass
NVNT	n40	2422	2360.421	-54.77	-20	Pass
NVNT	n40	2422	2359.421	-55.17	-20	Pass
NVNT	n40	2422	2358.421	-55.52	-20	Pass



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NVNT	n40	2422	2357.421	-55.64	-20	Pass
NVNT	n40	2422	2356.421	-55.89	-20	Pass
NVNT	n40	2422	2355.421	-56.25	-20	Pass
NVNT	n40	2422	2354.421	-56.47	-20	Pass
NVNT	n40	2422	2353.421	-57.07	-20	Pass
NVNT	n40	2422	2352.421	-57.35	-20	Pass
NVNT	n40	2422	2351.421	-57.67	-20	Pass
NVNT	n40	2422	2350.421	-57.67	-20	Pass
NVNT	n40	2422	2349.421	-58.03	-20	Pass
NVNT	n40	2422	2348.421	-58.17	-20	Pass
NVNT	n40	2422	2347.421	-58.44	-20	Pass
NVNT	n40	2422	2346.421	-58.92	-20	Pass
NVNT	n40	2422	2345.421	-59.15	-20	Pass
NVNT	n40	2422	2344.421	-59.3	-20	Pass
NVNT	n40	2422	2343.421	-59.58	-20	Pass
NVNT	n40	2422	2342.421	-59.22	-20	Pass
NVNT	n40	2422	2341.421	-59.72	-20	Pass
NVNT	n40	2422	2340.421	-59.74	-20	Pass
NVNT	n40	2422	2339.421	-60.14	-20	Pass
NVNT	n40	2422	2338.421	-60.21	-20	Pass
NVNT	n40	2422	2337.421	-60.24	-20	Pass
NVNT	n40	2422	2336.421	-60.78	-20	Pass
NVNT	n40	2422	2335.421	-60.54	-20	Pass
NVNT	n40	2422	2334.421	-60.57	-20	Pass
NVNT	n40	2422	2333.421	-60.55	-20	Pass
NVNT	n40	2422	2332.421	-61.3	-20	Pass
NVNT	n40	2422	2331.421	-61.12	-20	Pass
NVNT	n40	2422	2330.421	-61.33	-20	Pass
NVNT	n40	2422	2329.421	-61.67	-20	Pass
NVNT	n40	2422	2328.421	-61.81	-20	Pass
NVNT	n40	2422	2328.342	-61.56	-20	Pass
NVNT	n40	2462	2484	-33.5	-10	Pass
NVNT	n40	2462	2485	-33.36	-10	Pass
NVNT	n40	2462	2486	-34.04	-10	Pass
NVNT	n40	2462	2487	-34.41	-10	Pass
NVNT	n40	2462	2488	-34.24	-10	Pass
NVNT	n40	2462	2489	-35.01	-10	Pass
NVNT	n40	2462	2490	-35.16	-10	Pass
NVNT	n40	2462	2491	-35.2	-10	Pass
NVNT	n40	2462	2492	-35.53	-10	Pass



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NVNT	n40	2462	2493	-35.51	-10	Pass
NVNT	n40	2462	2494	-35.7	-10	Pass
NVNT	n40	2462	2495	-35.74	-10	Pass
NVNT	n40	2462	2496	-36.53	-10	Pass
NVNT	n40	2462	2497	-36.58	-10	Pass
NVNT	n40	2462	2498	-36.72	-10	Pass
NVNT	n40	2462	2499	-37.36	-10	Pass
NVNT	n40	2462	2500	-37.81	-10	Pass
NVNT	n40	2462	2501	-37.96	-10	Pass
NVNT	n40	2462	2502	-38.3	-10	Pass
NVNT	n40	2462	2503	-38.52	-10	Pass
NVNT	n40	2462	2504	-38.89	-10	Pass
NVNT	n40	2462	2505	-38.99	-10	Pass
NVNT	n40	2462	2506	-39.2	-10	Pass
NVNT	n40	2462	2507	-39.47	-10	Pass
NVNT	n40	2462	2508	-39.51	-10	Pass
NVNT	n40	2462	2509	-40.39	-10	Pass
NVNT	n40	2462	2510	-40.58	-10	Pass
NVNT	n40	2462	2511	-41.13	-10	Pass
NVNT	n40	2462	2512	-41.78	-10	Pass
NVNT	n40	2462	2513	-42	-10	Pass
NVNT	n40	2462	2514	-42.63	-10	Pass
NVNT	n40	2462	2515	-43.06	-10	Pass
NVNT	n40	2462	2516	-43.09	-10	Pass
NVNT	n40	2462	2517	-43.7	-10	Pass
NVNT	n40	2462	2518	-44.5	-10	Pass
NVNT	n40	2462	2519	-45.13	-10	Pass
NVNT	n40	2462	2519.062	-44.93	-10	Pass
NVNT	n40	2462	2520.062	-45.97	-20	Pass
NVNT	n40	2462	2521.062	-45.93	-20	Pass
NVNT	n40	2462	2522.062	-46.77	-20	Pass
NVNT	n40	2462	2523.062	-47.23	-20	Pass
NVNT	n40	2462	2524.062	-47.56	-20	Pass
NVNT	n40	2462	2525.062	-48.26	-20	Pass
NVNT	n40	2462	2526.062	-48.36	-20	Pass
NVNT	n40	2462	2527.062	-49.03	-20	Pass
NVNT	n40	2462	2528.062	-49.18	-20	Pass
NVNT	n40	2462	2529.062	-49.88	-20	Pass
NVNT	n40	2462	2530.062	-50.1	-20	Pass
NVNT	n40	2462	2531.062	-50.62	-20	Pass



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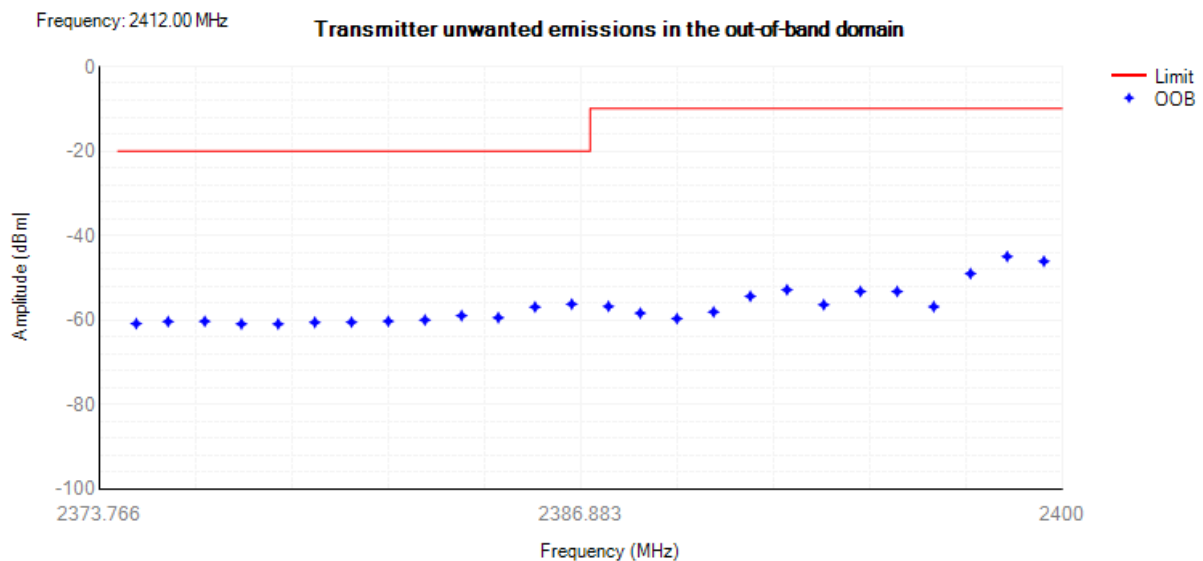
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NVNT	n40	2462	2532.062	-50.71	-20	Pass
NVNT	n40	2462	2533.062	-50.95	-20	Pass
NVNT	n40	2462	2534.062	-51.54	-20	Pass
NVNT	n40	2462	2535.062	-52.02	-20	Pass
NVNT	n40	2462	2536.062	-52.19	-20	Pass
NVNT	n40	2462	2537.062	-52.59	-20	Pass
NVNT	n40	2462	2538.062	-53.01	-20	Pass
NVNT	n40	2462	2539.062	-53.3	-20	Pass
NVNT	n40	2462	2540.062	-53.47	-20	Pass
NVNT	n40	2462	2541.062	-53.74	-20	Pass
NVNT	n40	2462	2542.062	-54.17	-20	Pass
NVNT	n40	2462	2543.062	-54.51	-20	Pass
NVNT	n40	2462	2544.062	-54.72	-20	Pass
NVNT	n40	2462	2545.062	-54.68	-20	Pass
NVNT	n40	2462	2546.062	-55.09	-20	Pass
NVNT	n40	2462	2547.062	-55.06	-20	Pass
NVNT	n40	2462	2548.062	-55.45	-20	Pass
NVNT	n40	2462	2549.062	-55.63	-20	Pass
NVNT	n40	2462	2550.062	-55.76	-20	Pass
NVNT	n40	2462	2551.062	-55.93	-20	Pass
NVNT	n40	2462	2552.062	-56.04	-20	Pass
NVNT	n40	2462	2553.062	-56.04	-20	Pass
NVNT	n40	2462	2554.062	-56.27	-20	Pass
NVNT	n40	2462	2555.062	-56.29	-20	Pass
NVNT	n40	2462	2555.124	-56.62	-20	Pass

Tx. Emissions OOB NVNT b 2412MHz



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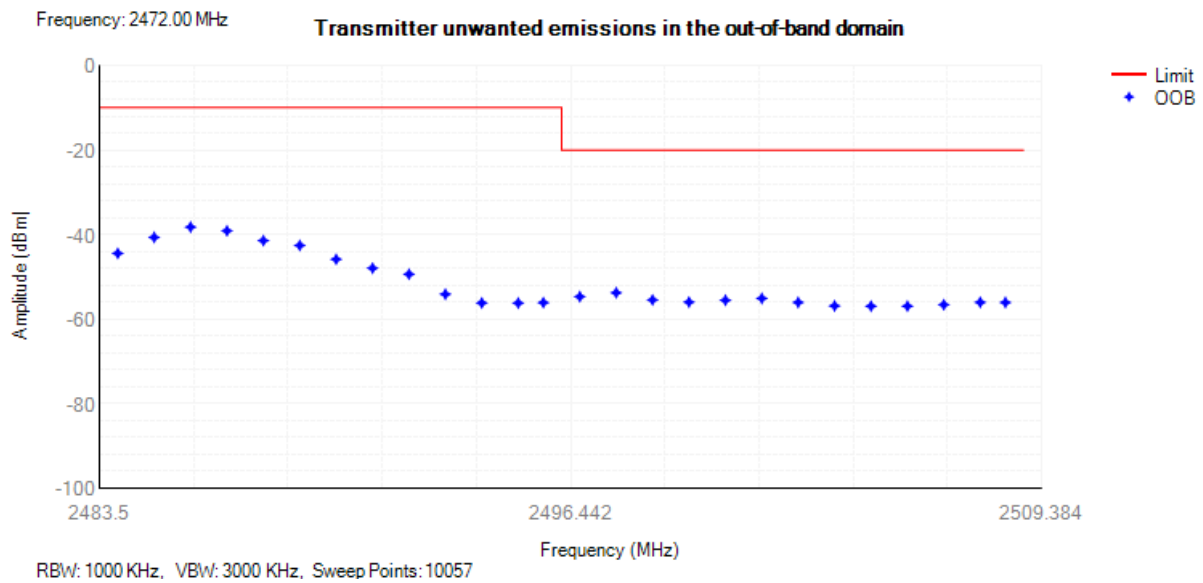
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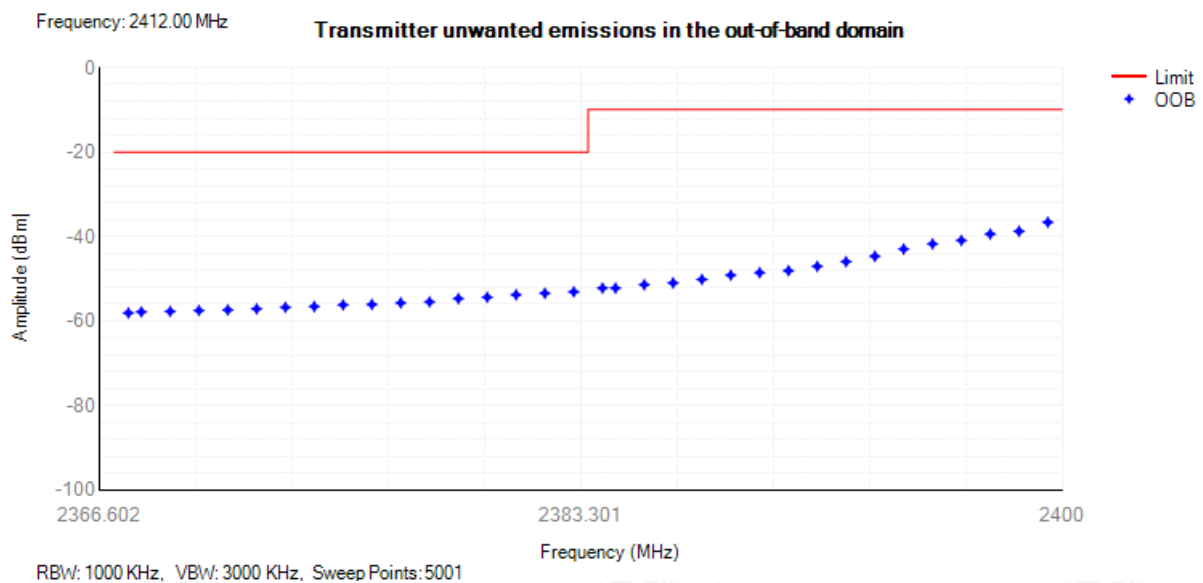
Scan code to check authenticity



Tx. Emissions OOB NVNT b 2472MHz



Tx. Emissions OOB NVNT g 2412MHz



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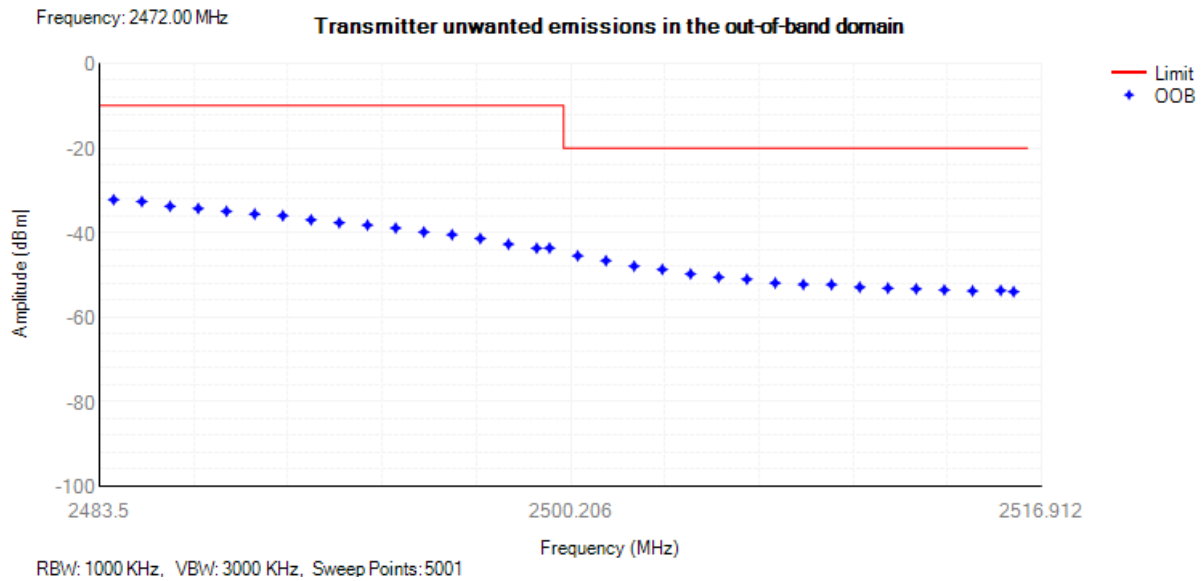
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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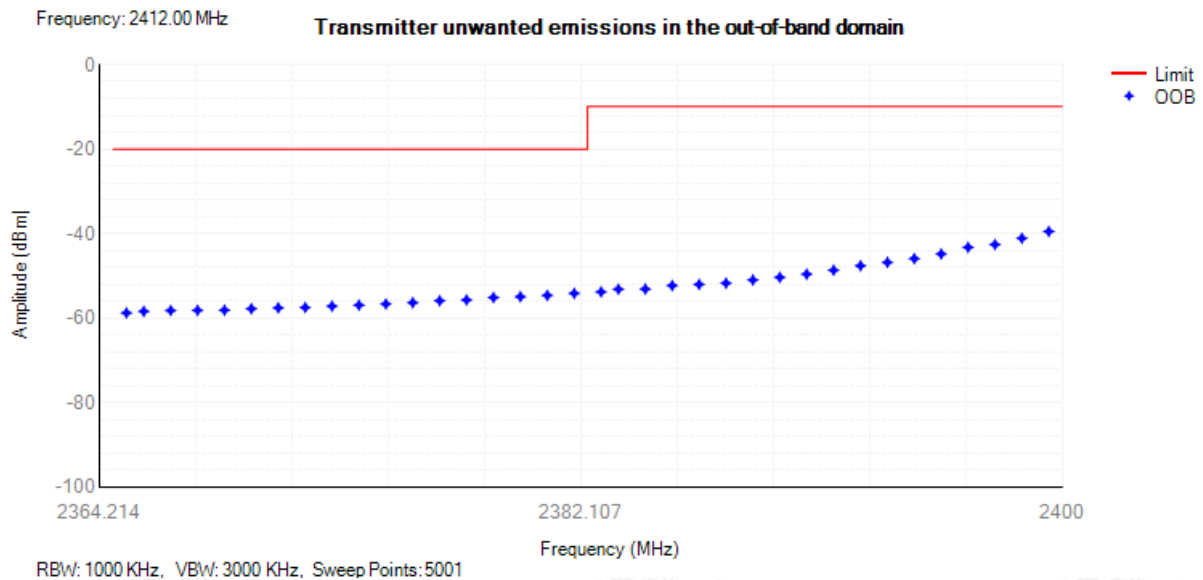
Scan code to check authenticity



Tx. Emissions OOB NVNT g 2472MHz



Tx. Emissions OOB NVNT n20 2412MHz



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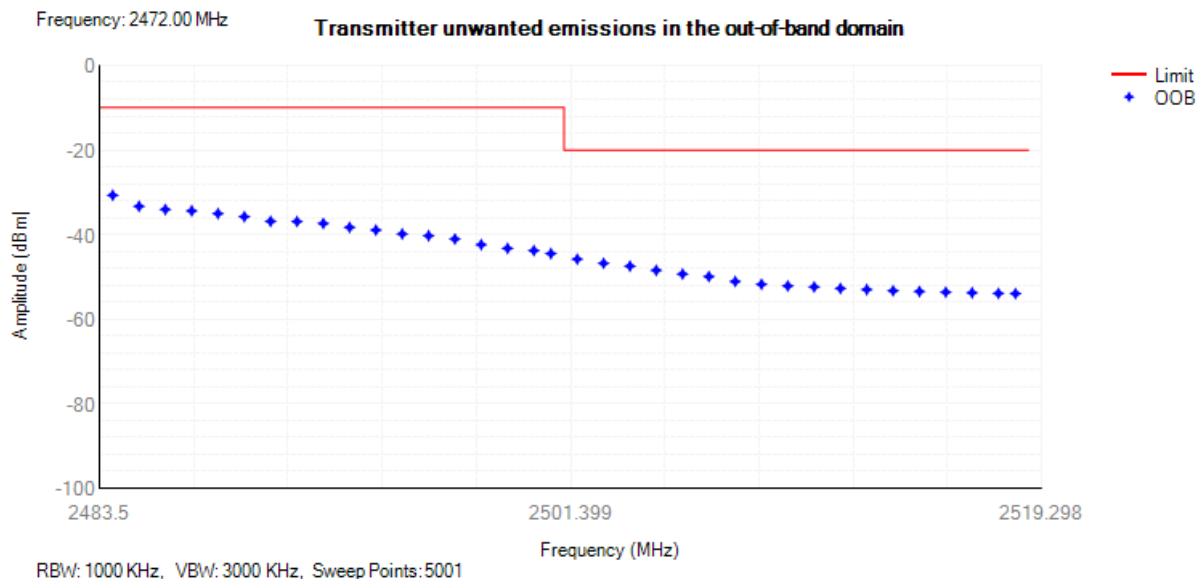
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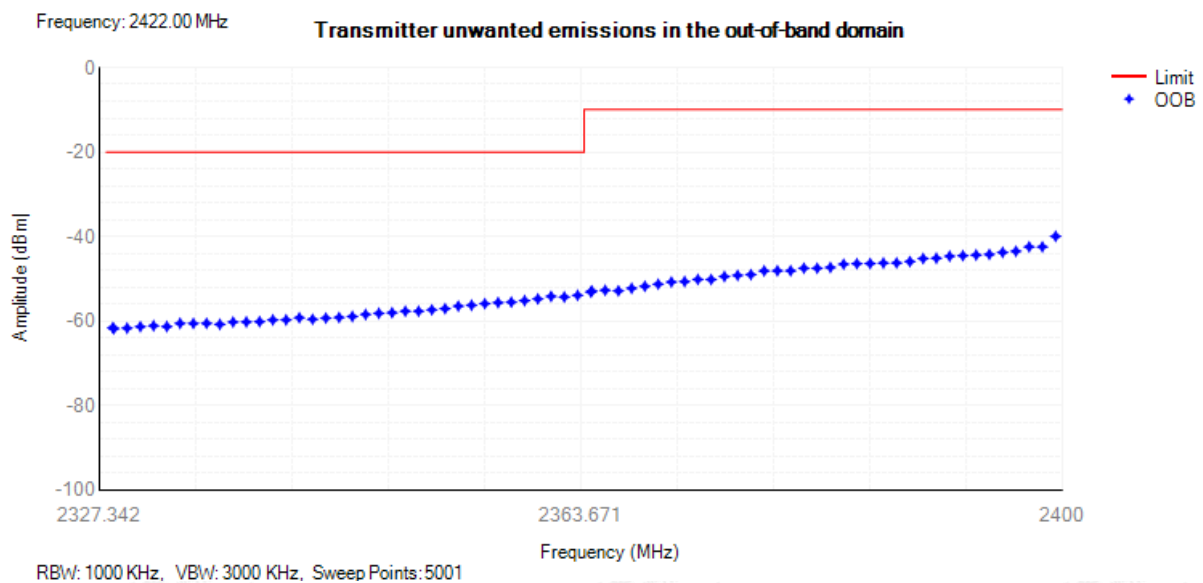
Scan code to check authenticity



Tx. Emissions OOB NVNT n20 2472MHz



Tx. Emissions OOB NVNT n40 2422MHz



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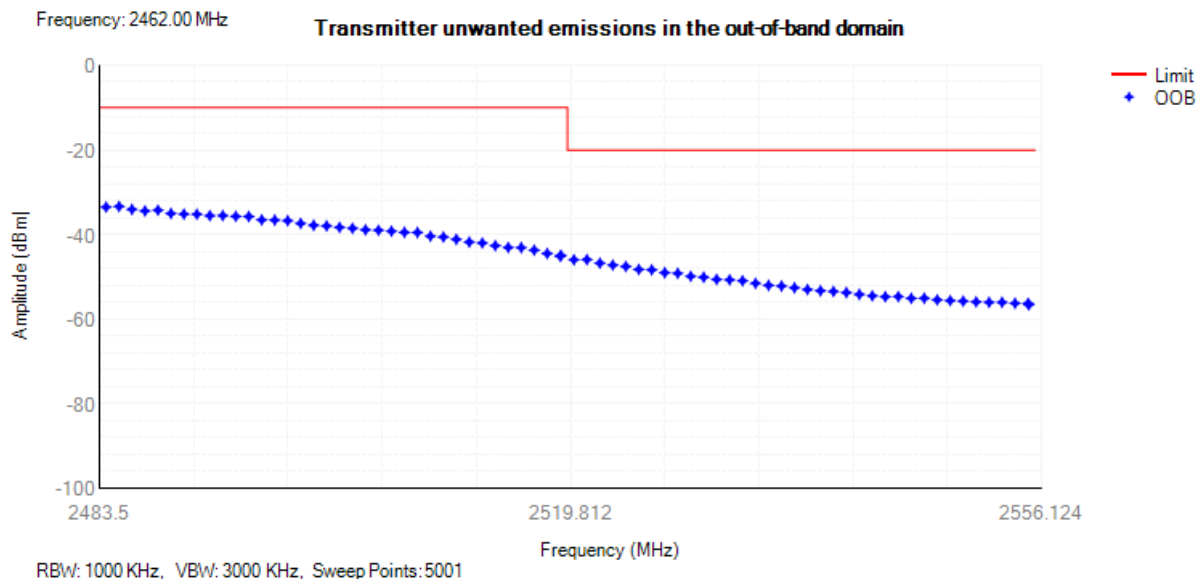
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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Tx. Emissions OOB NVNT n40 2462MHz



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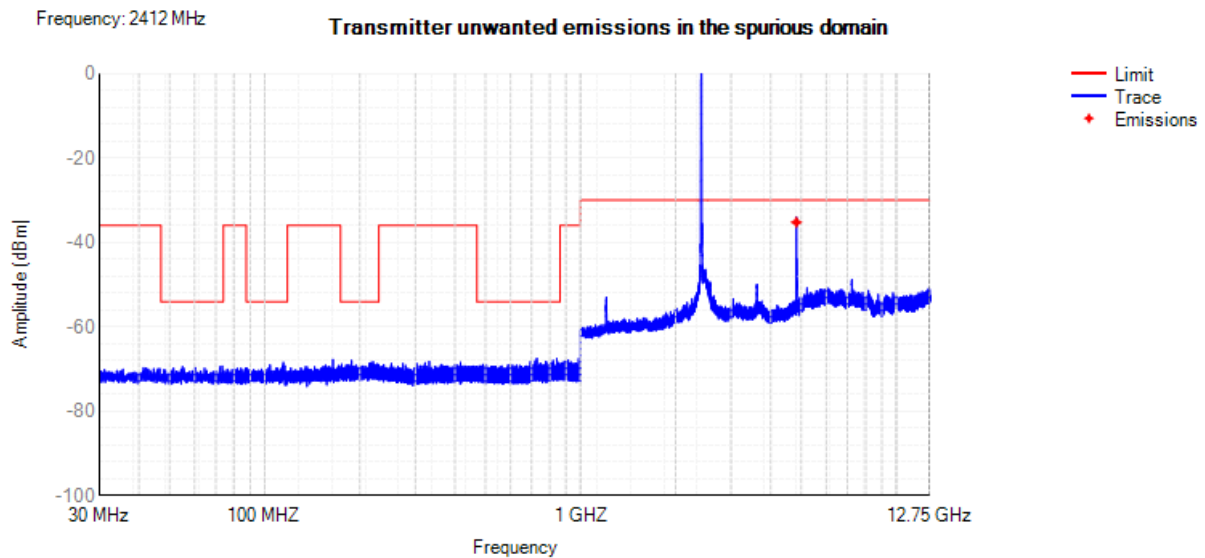
Scan code to check authenticity



E.6 Transmitter unwanted emissions in the spurious domain

Condition	Mode	Frequency (MHz)	Range	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	2523.5 MHz -12750 MHz	4824	-35.21	-30	Pass
NVNT	b	2472	2523.5 MHz -12750 MHz	4944	-36.42	-30	Pass
NVNT	g	2412	2523.5 MHz -12750 MHz	4827	-46.36	-30	Pass
NVNT	n20	2412	2523.5 MHz -12750 MHz	4822.5	-47.69	-30	Pass

Tx. Spurious NVNT b 2412MHz



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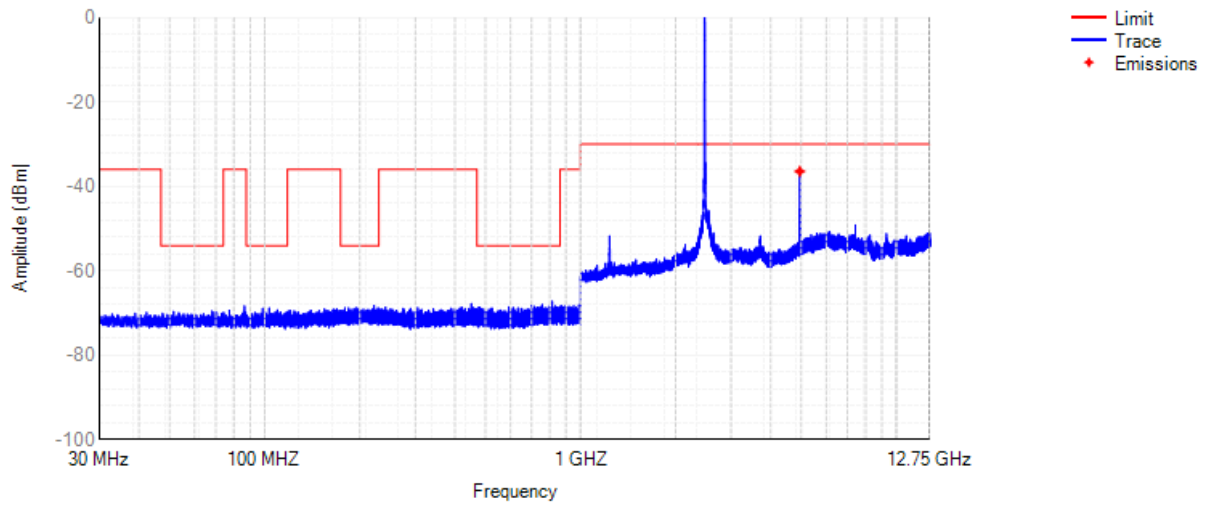
Scan code to check authenticity



Tx. Spurious NVNT b 2472MHz

Frequency: 2472 MHz

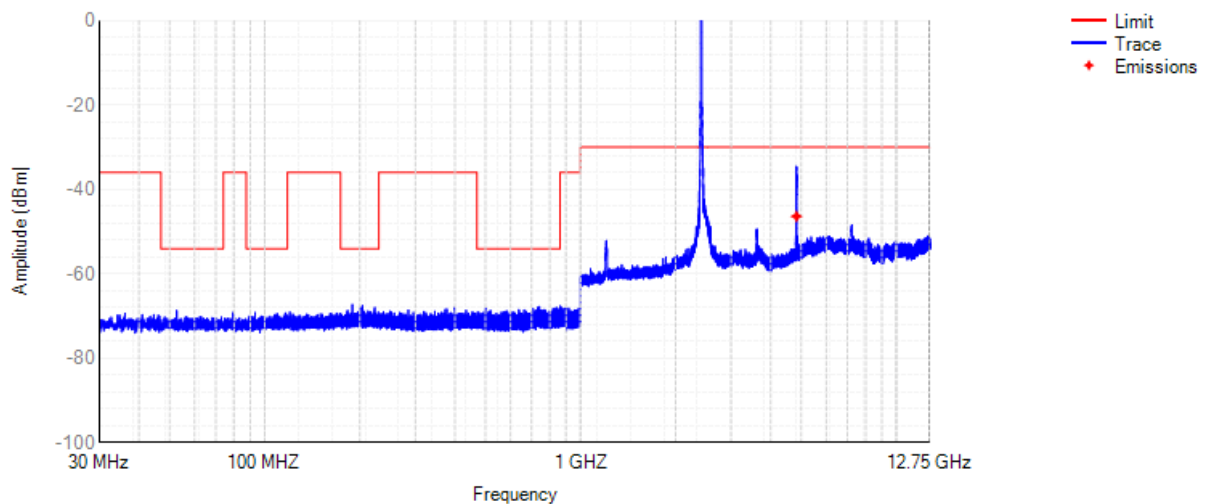
Transmitter unwanted emissions in the spurious domain



Tx. Spurious NVNT g 2412MHz

Frequency: 2412 MHz

Transmitter unwanted emissions in the spurious domain



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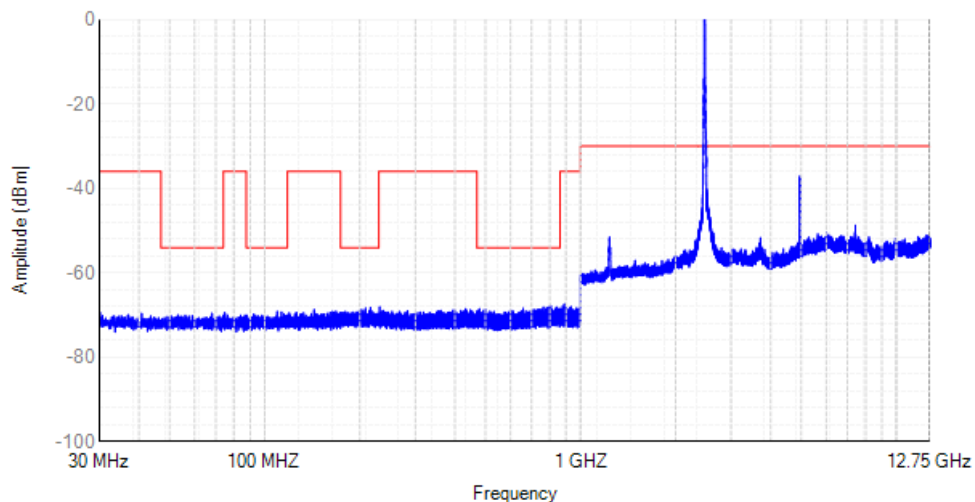
Scan code to check authenticity



Tx. Spurious NVNT g 2472MHz

Frequency: 2472 MHz

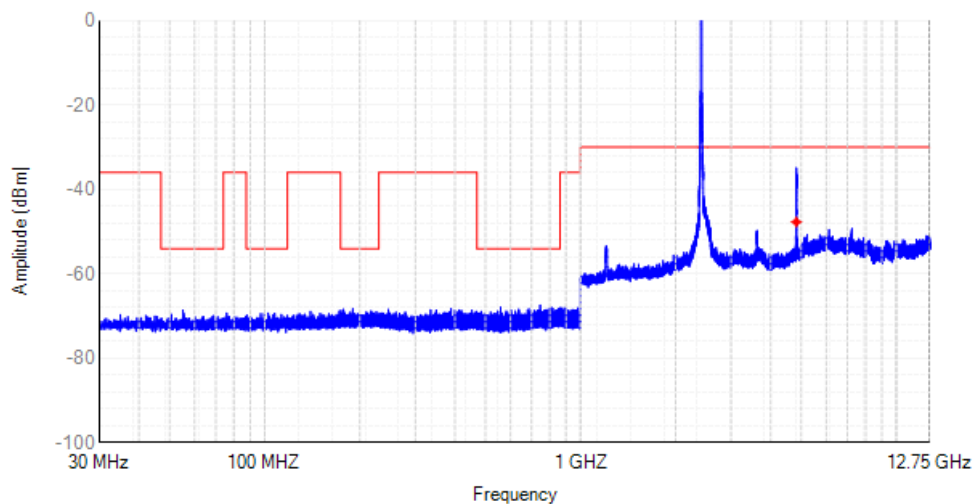
Transmitter unwanted emissions in the spurious domain



Tx. Spurious NVNT n20 2412MHz

Frequency: 2412 MHz

Transmitter unwanted emissions in the spurious domain



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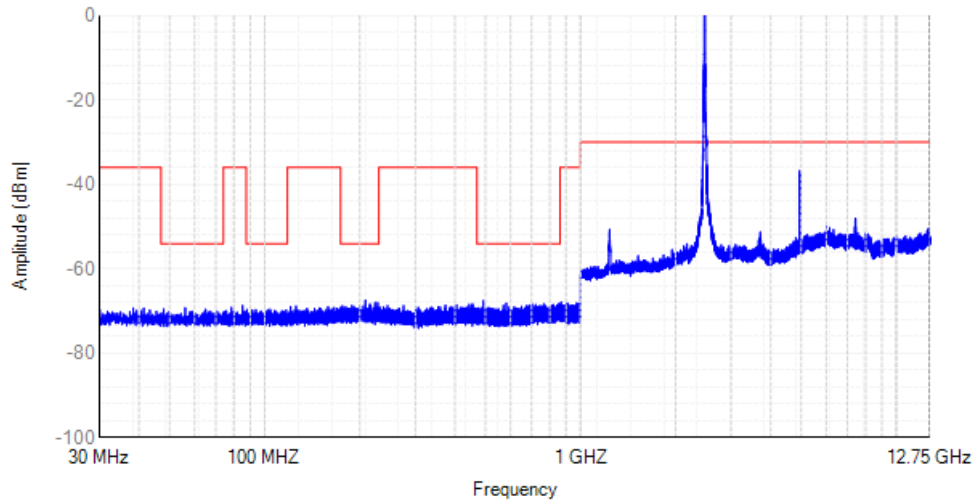
Scan code to check authenticity



Tx. Spurious NVNT n20 2472MHz

Frequency: 2472 MHz

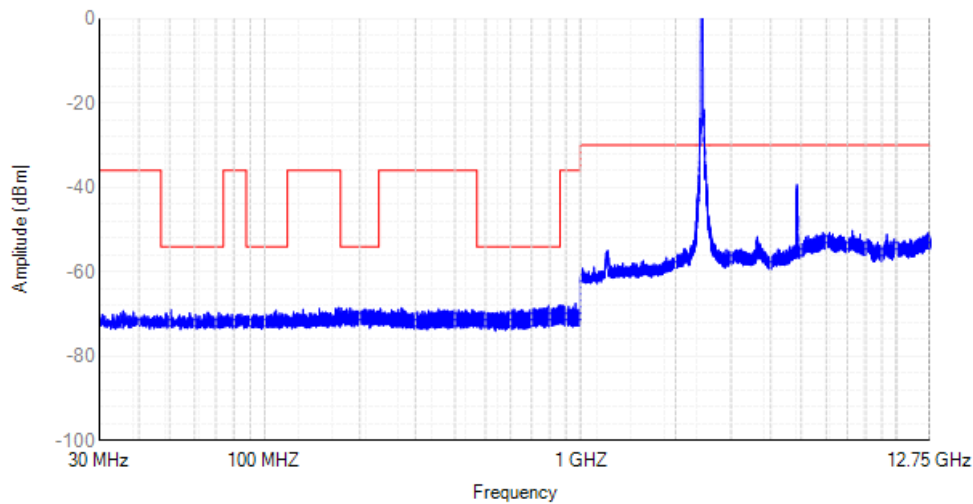
Transmitter unwanted emissions in the spurious domain



Tx. Spurious NVNT n40 2422MHz

Frequency: 2422 MHz

Transmitter unwanted emissions in the spurious domain



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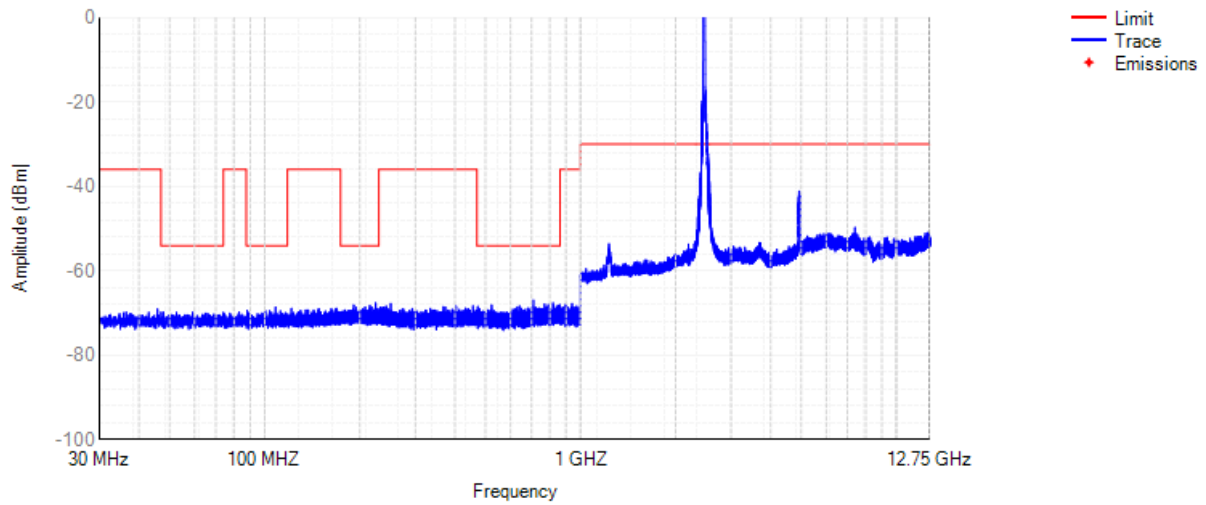
Scan code to check authenticity



Tx. Spurious NVNT n40 2462MHz

Frequency: 2462 MHz

Transmitter unwanted emissions in the spurious domain



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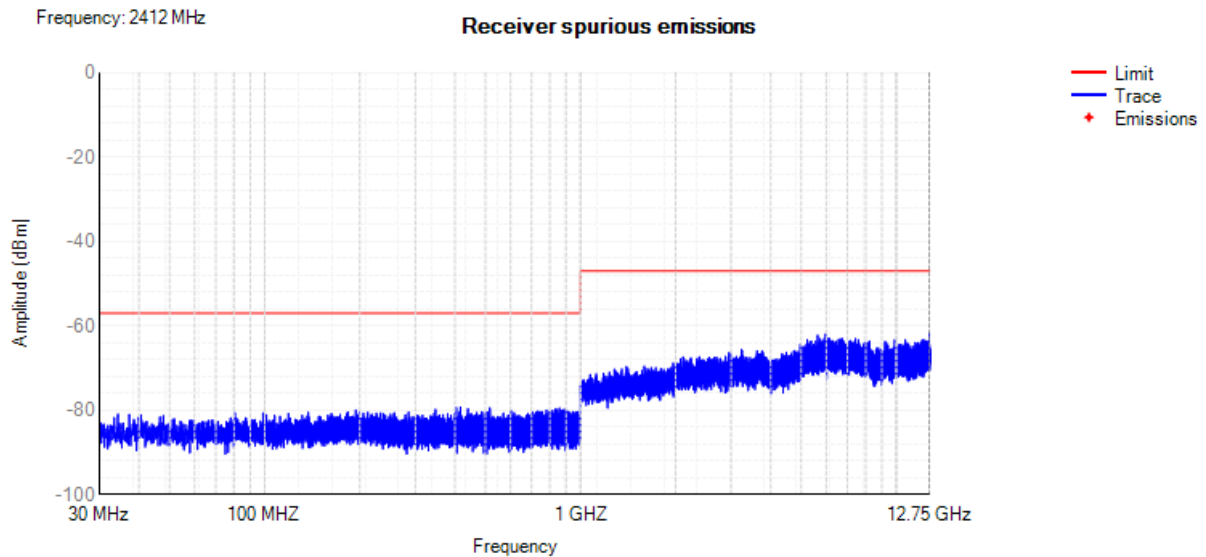
Scan code to check authenticity



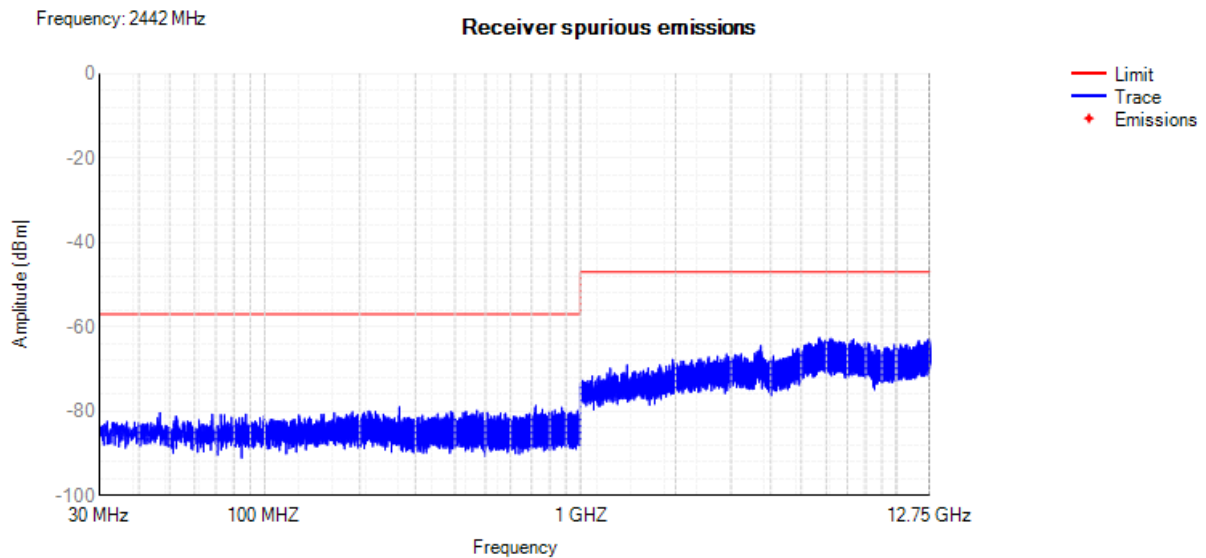
E.7 Receiver spurious emissions

Condition	Mode	Frequency (MHz)	Range	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
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Rx. Spurious NVNT b 2412MHz



Rx. Spurious NVNT b 2442MHz



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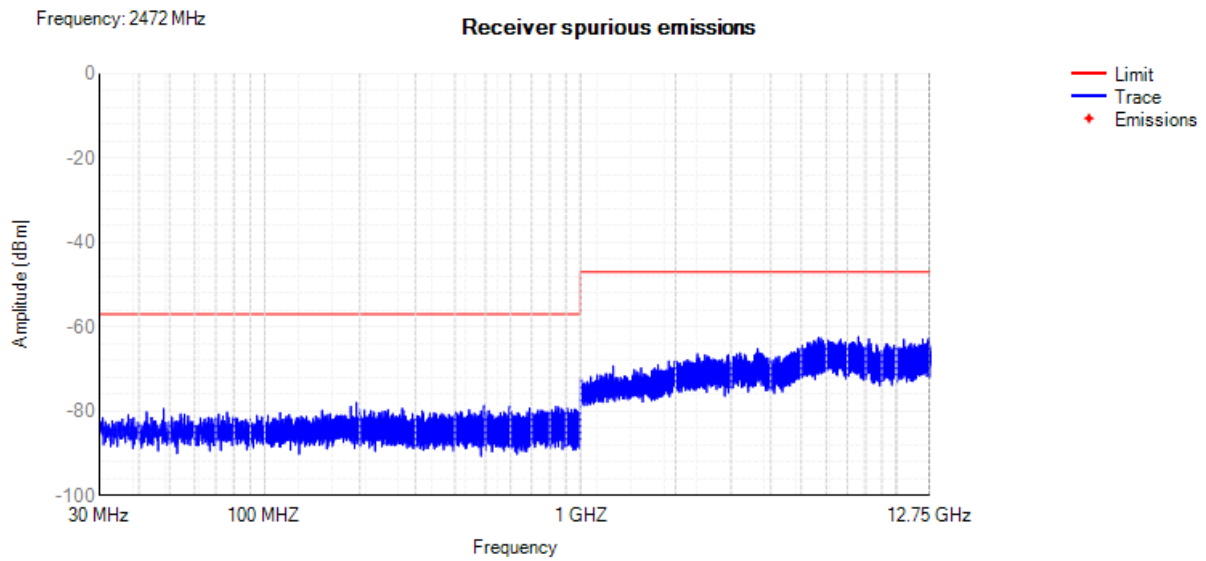
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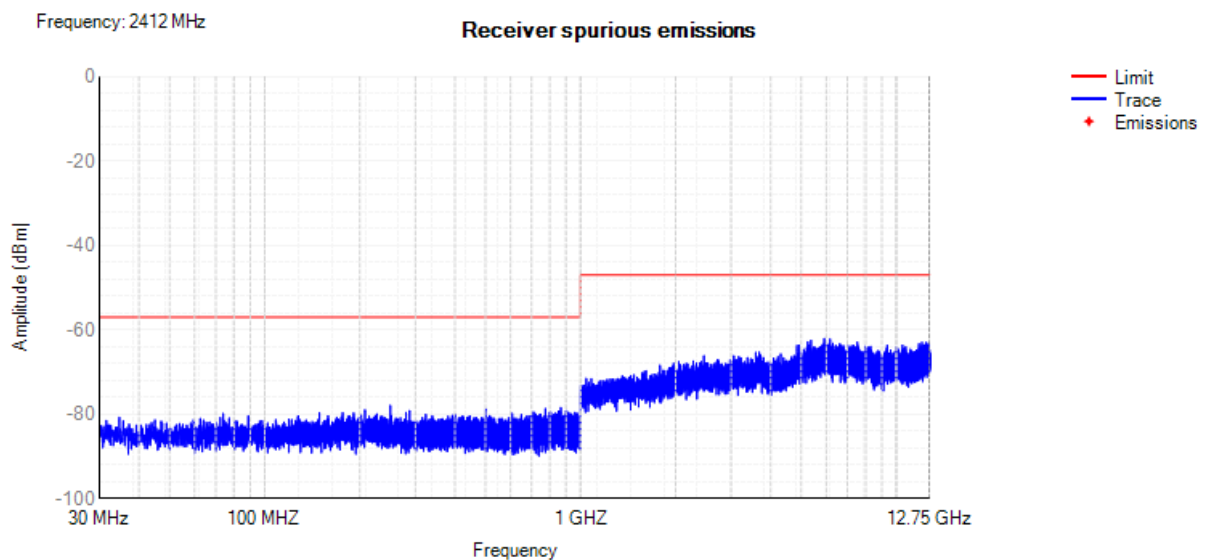
Scan code to check authenticity



Rx. Spurious NVNT b 2472MHz



Rx. Spurious NVNT g 2412MHz



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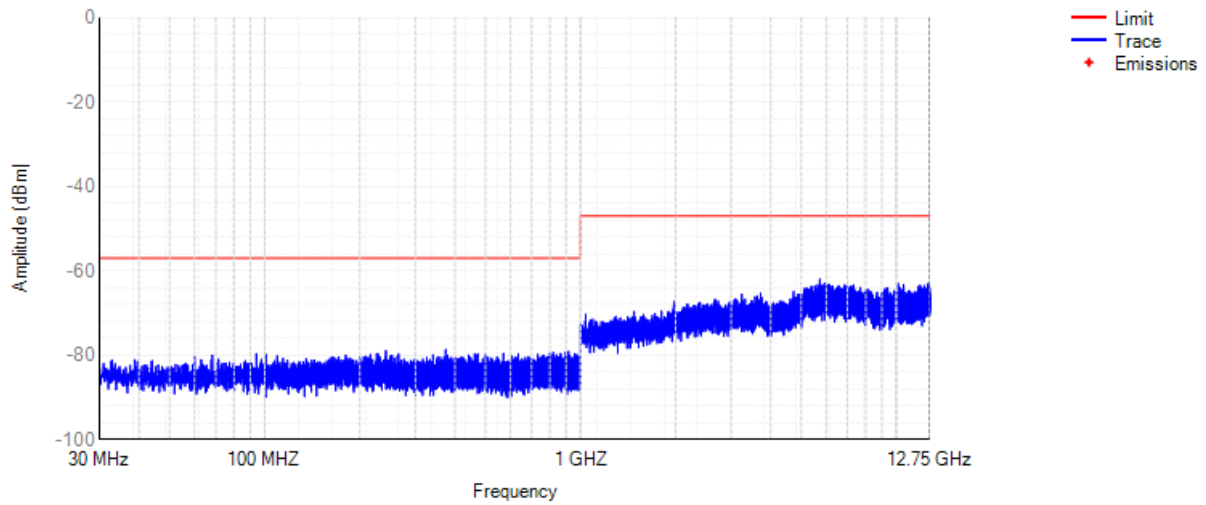
Scan code to check authenticity



Rx. Spurious NVNT g 2442MHz

Frequency: 2442 MHz

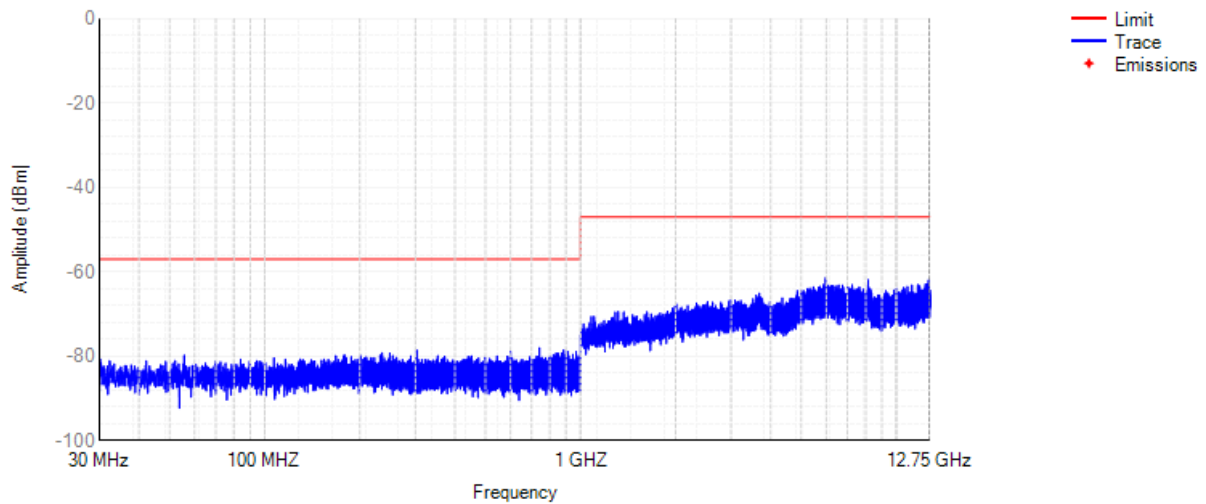
Receiver spurious emissions



Rx. Spurious NVNT g 2472MHz

Frequency: 2472 MHz

Receiver spurious emissions



Shenzhen LCS Compliance Testing Laboratory Ltd.

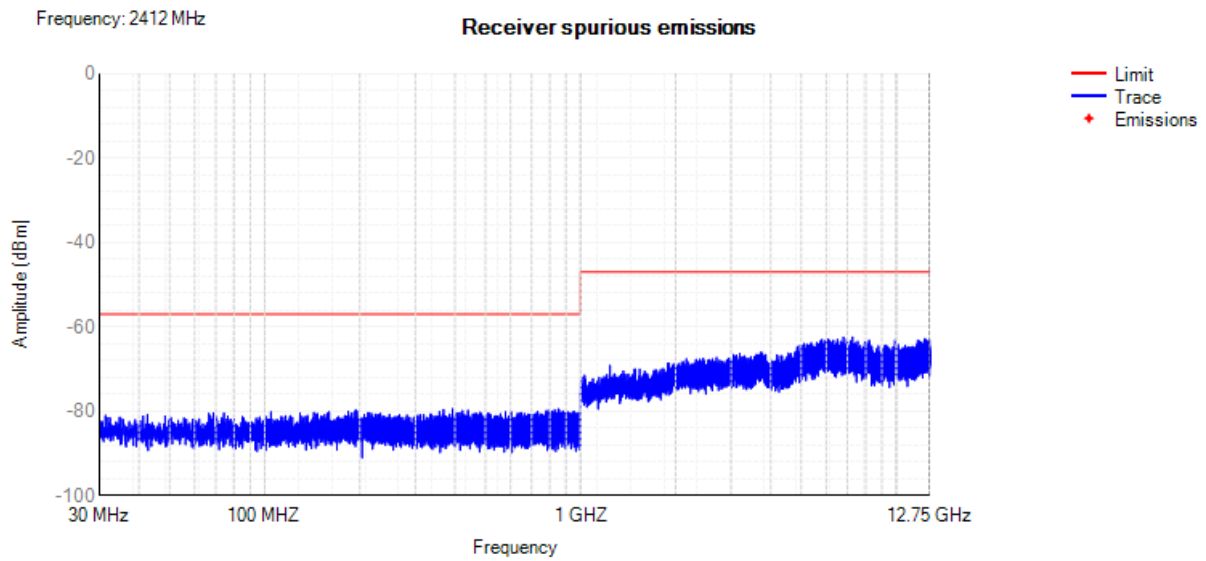
Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

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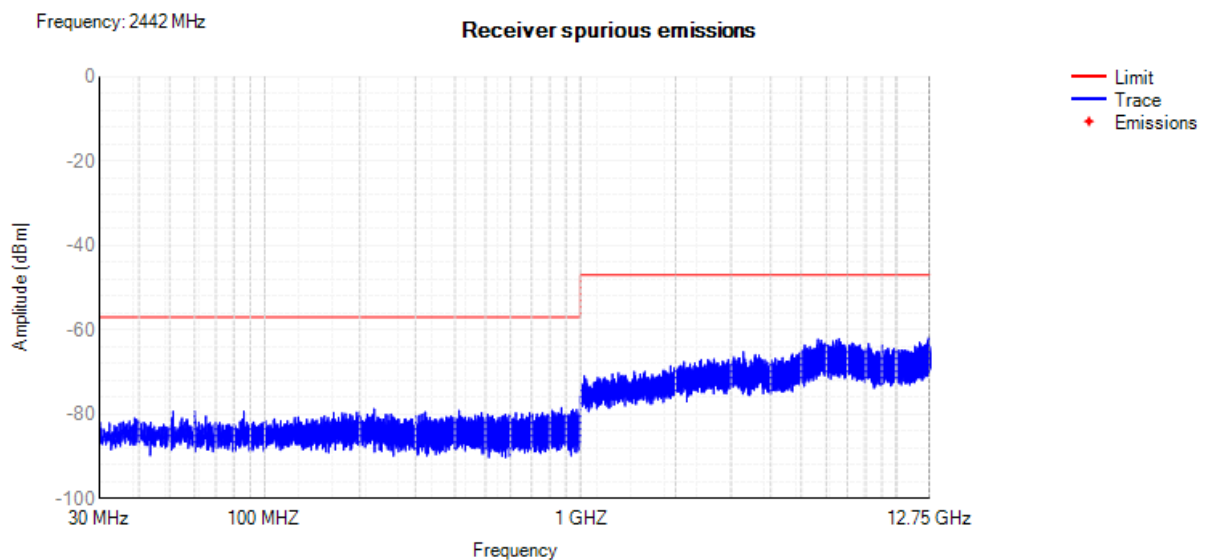
Scan code to check authenticity



Rx. Spurious NVNT n20 2412MHz



Rx. Spurious NVNT n20 2442MHz



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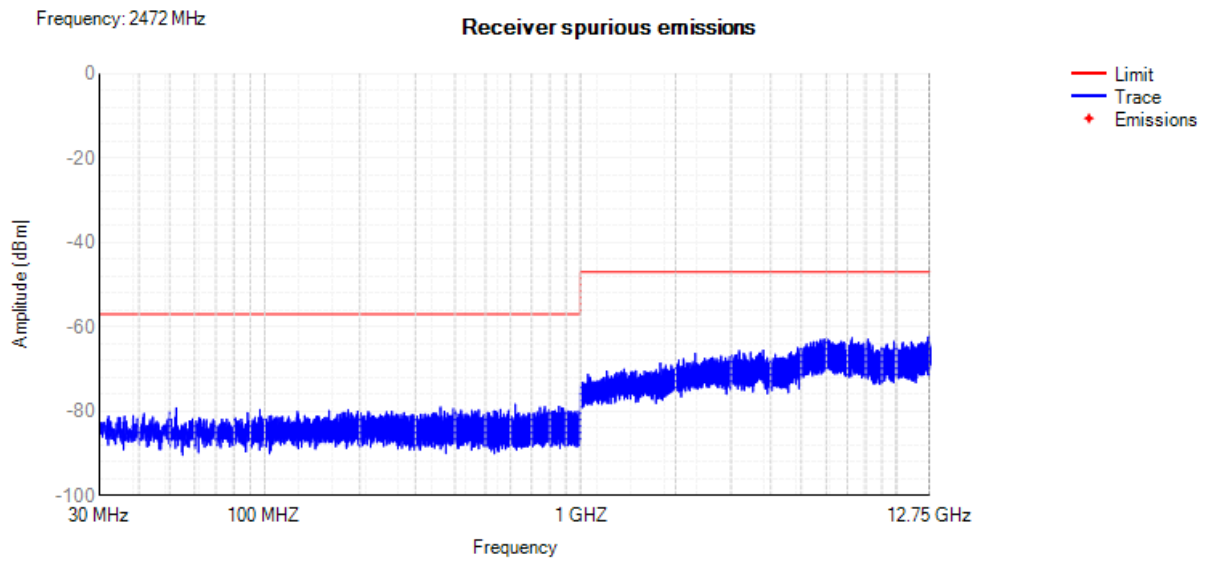
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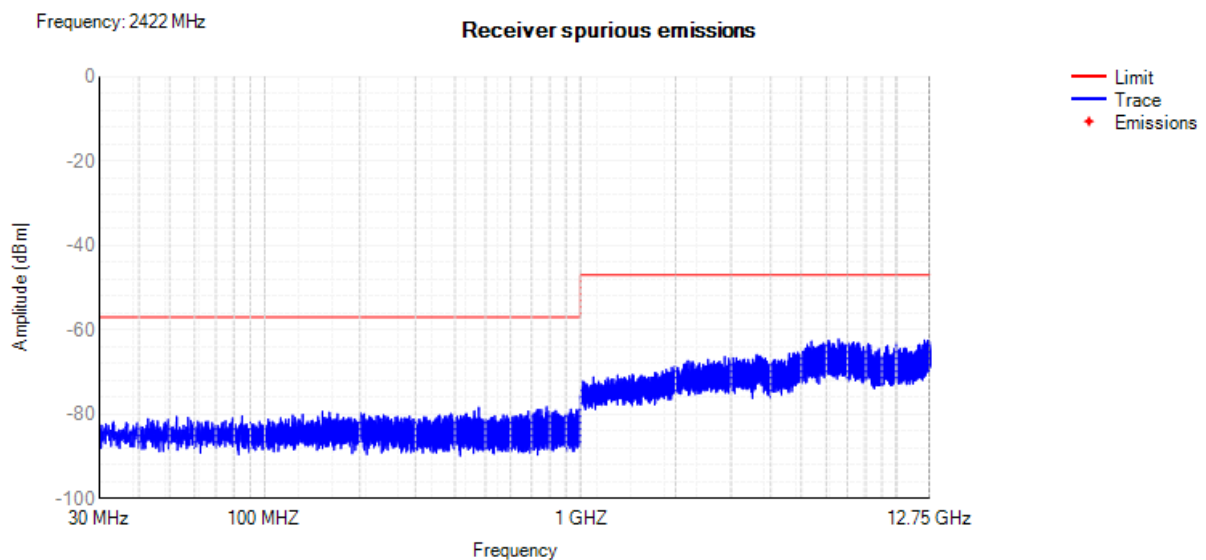
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Rx. Spurious NVNT n20 2472MHz



Rx. Spurious NVNT n40 2422MHz



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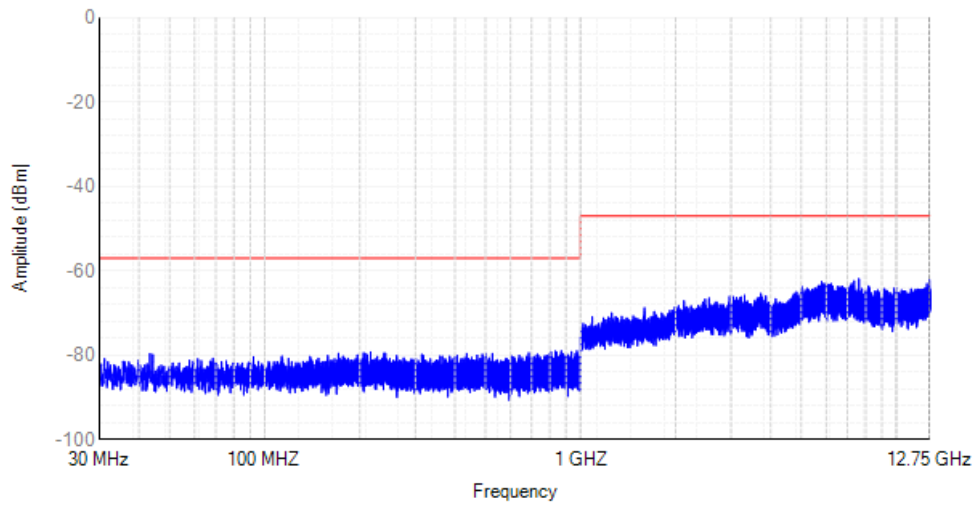
Scan code to check authenticity



Rx. Spurious NVNT n40 2442MHz

Frequency: 2442 MHz

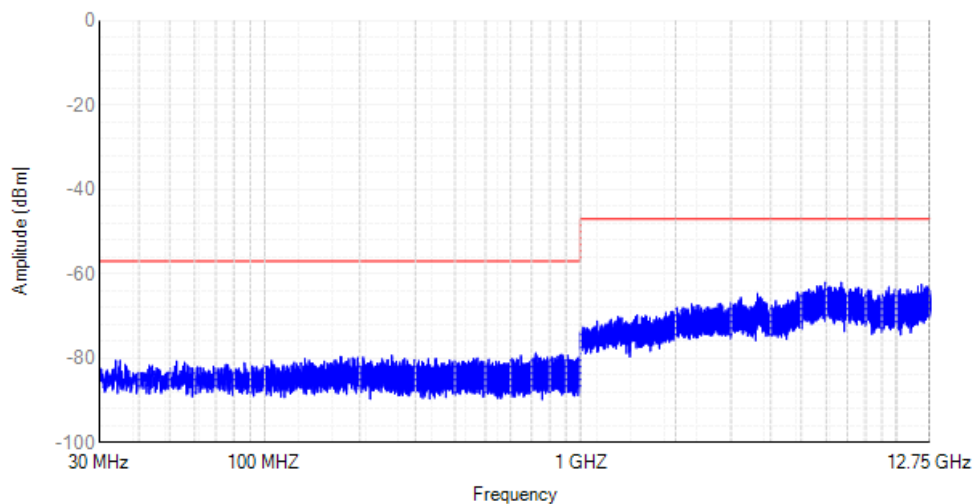
Receiver spurious emissions



Rx. Spurious NVNT n40 2462MHz

Frequency: 2462 MHz

Receiver spurious emissions



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E.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	4.93	10	Pass
			2504	-34	≥-34	CW	6.82	10	Pass
		-74	2300	-23	≥-34	CW	5.62	10	Pass
			2330	-24	≥-34	CW	3.34	10	Pass
			2360	-25	≥-34	CW	3.34	10	Pass
			2524	-25	≥-34	CW	6.45	10	Pass
			2584	-30	≥-34	CW	6.15	10	Pass
			2674	-24	≥-34	CW	3.07	10	Pass
	2472	-68	2380	-22	≥-34	CW	6.93	10	Pass
			2504	-26	≥-34	CW	5.53	10	Pass
		-74	2300	-18	≥-34	CW	6.08	10	Pass
			2330	-24	≥-34	CW	5.86	10	Pass
			2360	-29	≥-34	CW	4.77	10	Pass
			2524	-31	≥-34	CW	3.71	10	Pass
			2584	-31	≥-34	CW	6.67	10	Pass
			2674	-22	≥-34	CW	6.75	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	-25	≥-34	CW	4.31	10	Pass
			2504	-33	≥-34	CW	4.82	10	Pass
		-74	2300	-23	≥-34	CW	4.20	10	Pass
			2330	-25	≥-34	CW	3.37	10	Pass
			2360	-25	≥-34	CW	6.78	10	Pass
			2524	-25	≥-34	CW	6.18	10	Pass
			2584	-29	≥-34	CW	6.16	10	Pass
			2674	-23	≥-34	CW	6.75	10	Pass
	2472	-68	2380	-21	≥-34	CW	4.84	10	Pass
			2504	-25	≥-34	CW	3.16	10	Pass
		-74	2300	-18	≥-34	CW	5.37	10	Pass
			2330	-24	≥-34	CW	5.93	10	Pass
			2360	-28	≥-34	CW	5.81	10	Pass
			2524	-30	≥-34	CW	6.35	10	Pass
			2584	-32	≥-34	CW	5.86	10	Pass
			2674	-23	≥-34	CW	3.69	10	Pass



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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	-25	≥-34	CW	4.58	10	Pass
			2504	-33	≥-34	CW	6.83	10	Pass
		-74	2300	-23	≥-34	CW	6.01	10	Pass
			2330	-25	≥-34	CW	4.82	10	Pass
			2360	-25	≥-34	CW	3.89	10	Pass
			2524	-25	≥-34	CW	6.13	10	Pass
			2584	-29	≥-34	CW	3.91	10	Pass
			2674	-23	≥-34	CW	6.94	10	Pass
	2472	-68	2380	-20	≥-34	CW	5.59	10	Pass
			2504	-26	≥-34	CW	6.43	10	Pass
		-74	2300	-17	≥-34	CW	6.21	10	Pass
			2330	-25	≥-34	CW	3.71	10	Pass
			2360	-28	≥-34	CW	5.92	10	Pass
			2524	-31	≥-34	CW	5.34	10	Pass
			2584	-31	≥-34	CW	6.49	10	Pass
			2674	-22	≥-34	CW	6.64	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	-24	≥-34	CW	4.61	10	Pass
			2504	-34	≥-34	CW	4.53	10	Pass
		-74	2300	-22	≥-34	CW	3.44	10	Pass
			2330	-26	≥-34	CW	4.25	10	Pass
			2360	-25	≥-34	CW	3.42	10	Pass
			2524	-25	≥-34	CW	6.18	10	Pass
			2584	-28	≥-34	CW	3.12	10	Pass
			2674	-23	≥-34	CW	4.77	10	Pass
	2462	-68	2380	-21	≥-34	CW	3.69	10	Pass
			2504	-25	≥-34	CW	5.47	10	Pass
		-74	2300	-17	≥-34	CW	6.49	10	Pass
			2330	-23	≥-34	CW	3.75	10	Pass
			2360	-28	≥-34	CW	6.52	10	Pass
			2524	-31	≥-34	CW	4.00	10	Pass
			2584	-30	≥-34	CW	3.28	10	Pass
			2674	-21	≥-34	CW	5.75	10	Pass



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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