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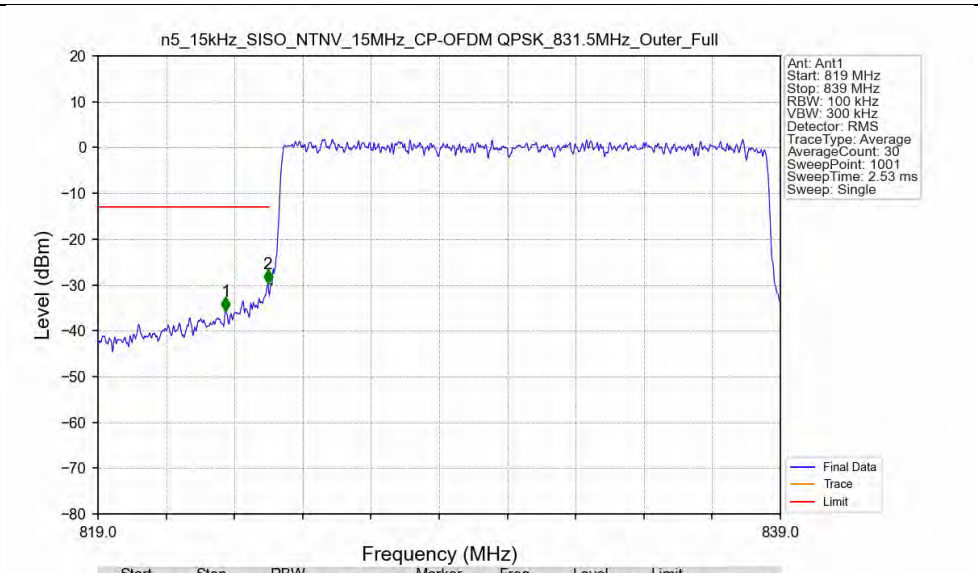

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	/	1	822.740	-35.71	-13	Pass
823	824	0.154	/	2	823.980	-29.71	-13	Pass
824	839	0.154	/	/	/	/	/	/

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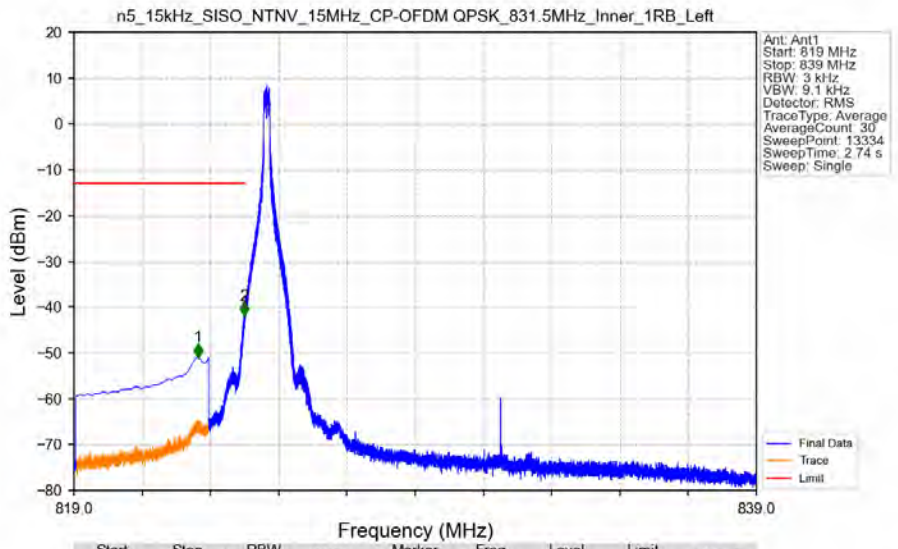
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_831.5MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.630	-50.99	-13	Pass
823	824	0.003	/	2	823.991	-41.91	-13	Pass
824	839	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_836.5MHz_Edge_1RB_Left

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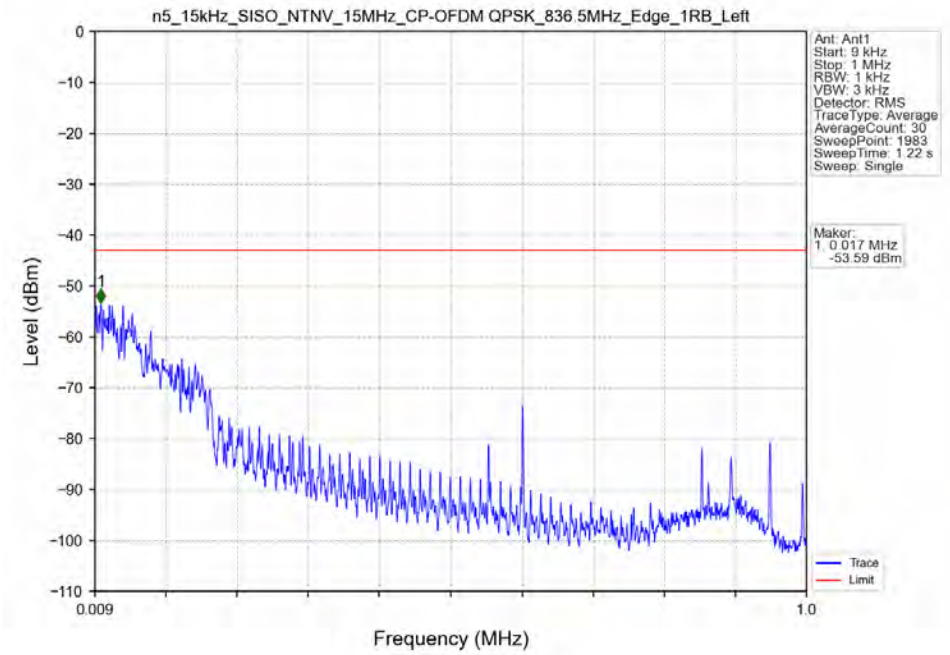

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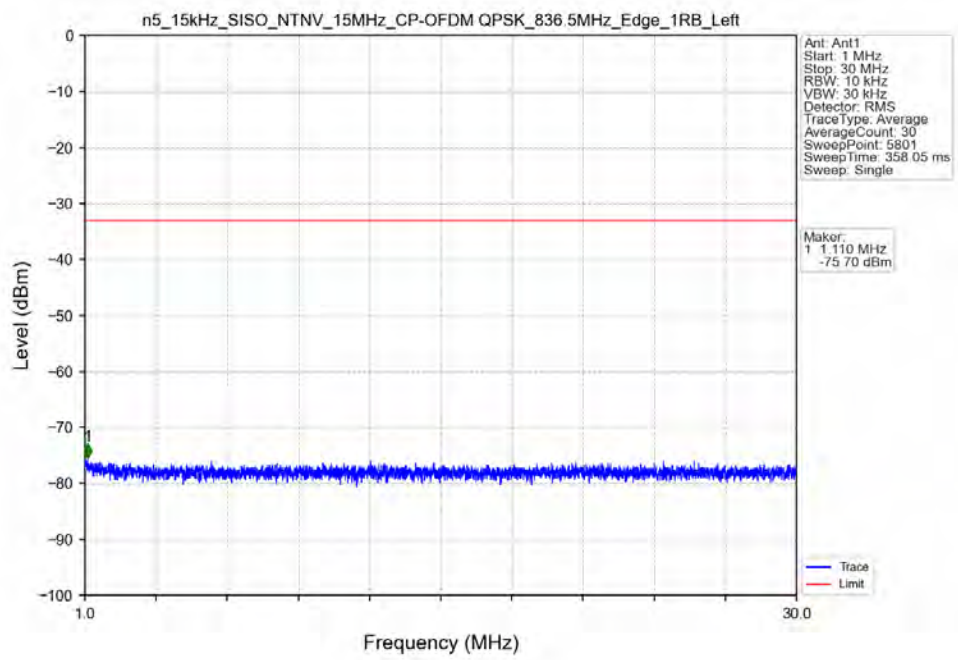
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_836.5MHz_Edge_1RB_Left



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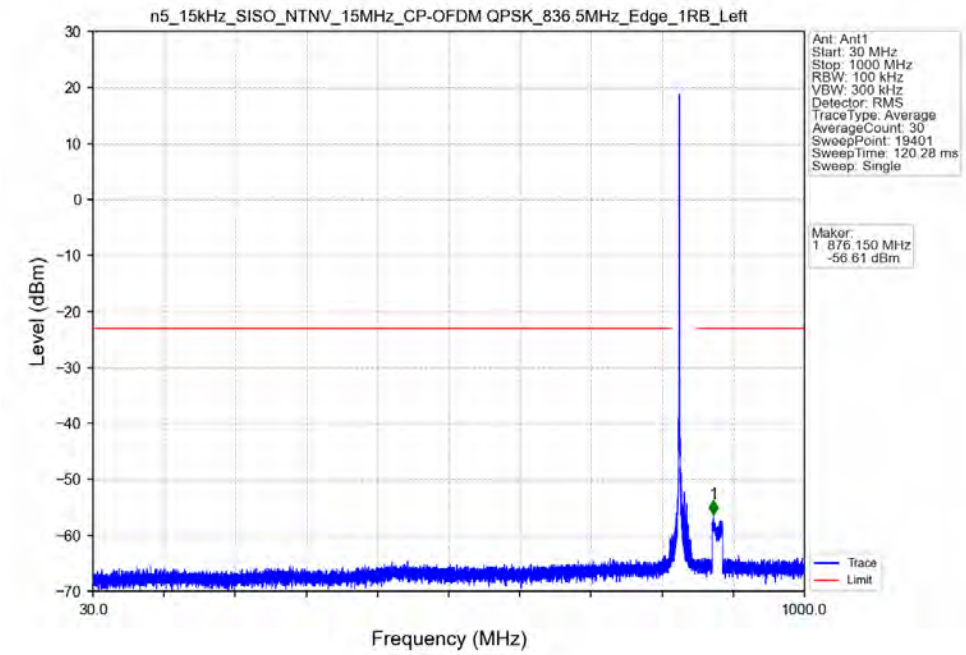

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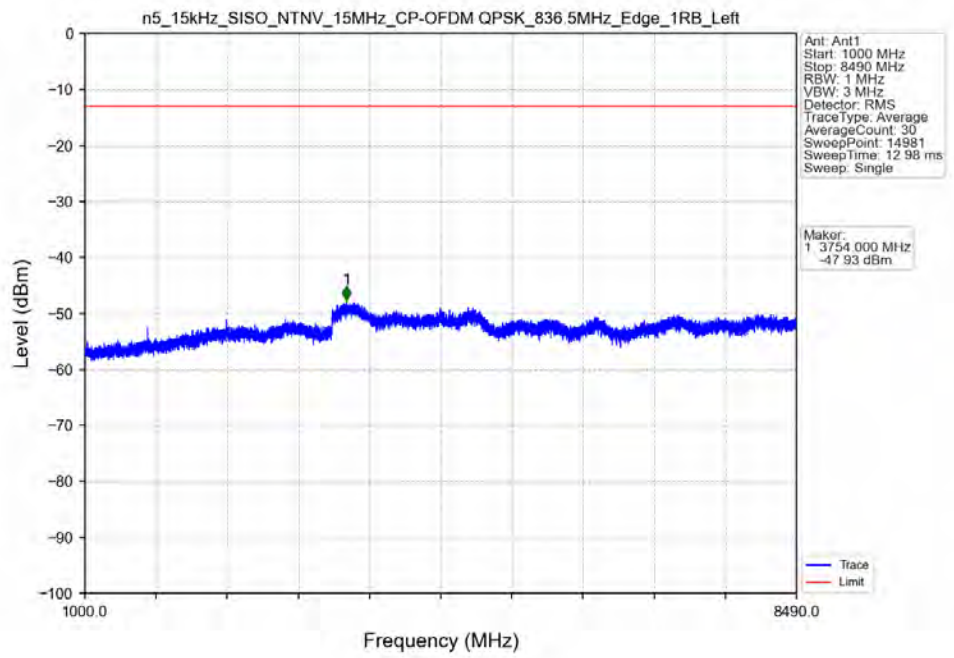

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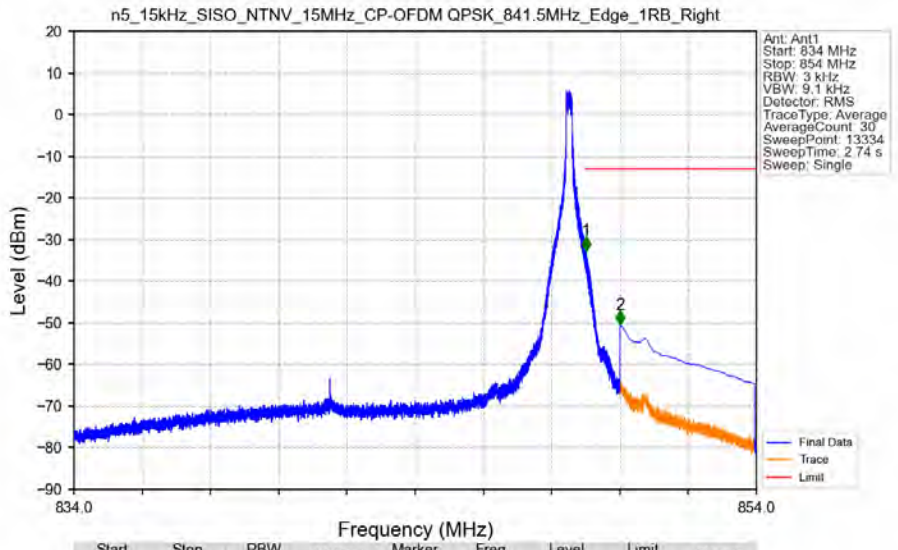

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.009	-32.67	-13	Pass
850	854	0.1	CHP	2	850.001	-50.47	-13	Pass

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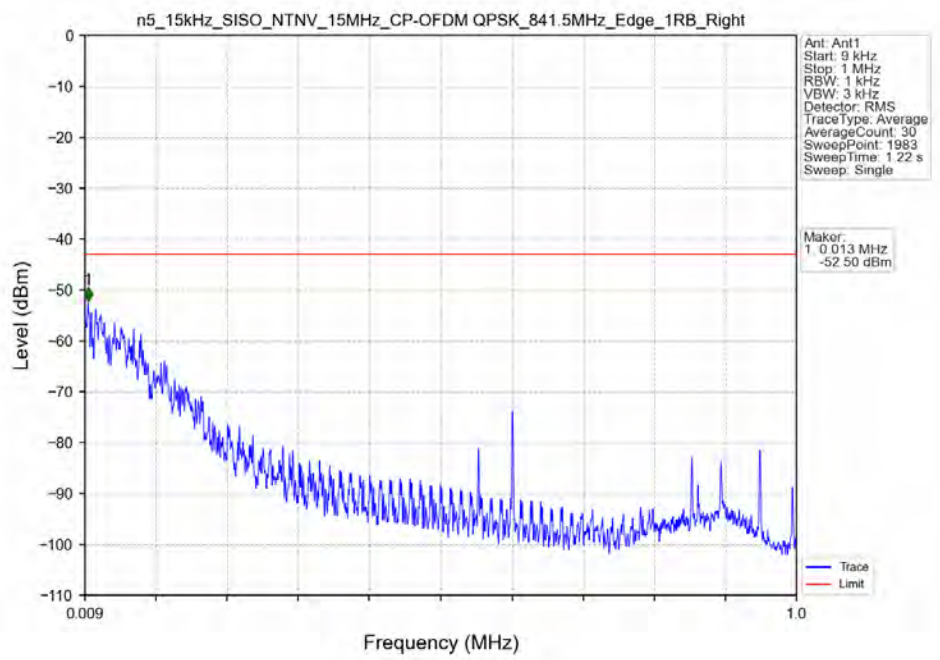

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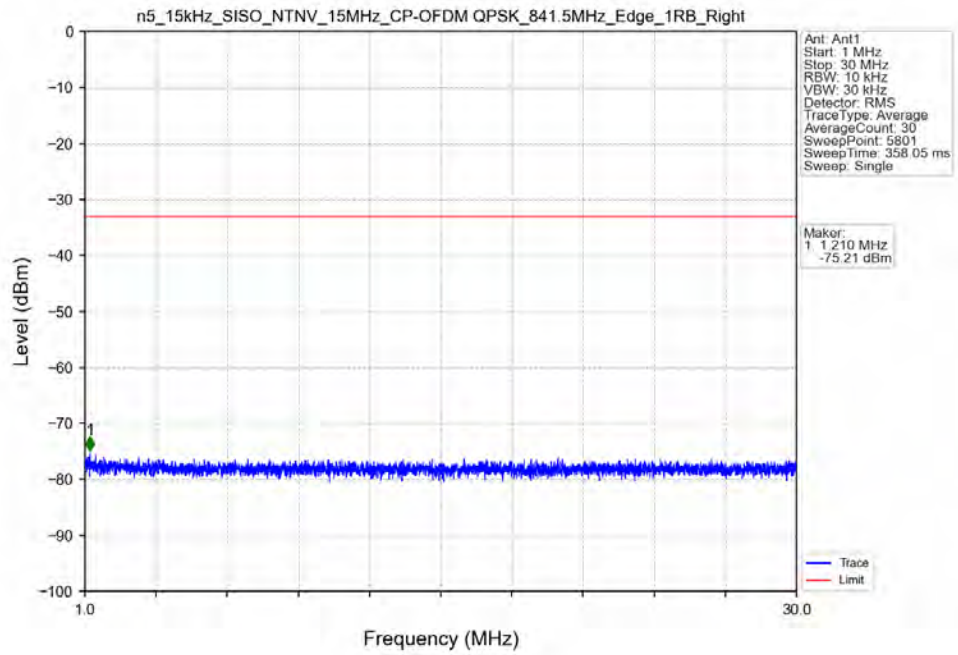

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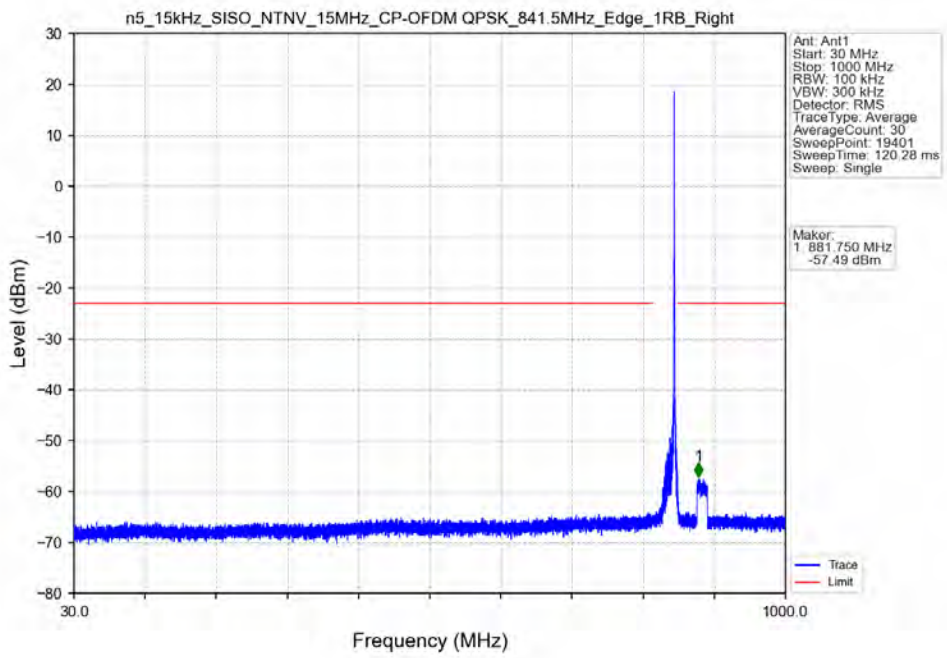

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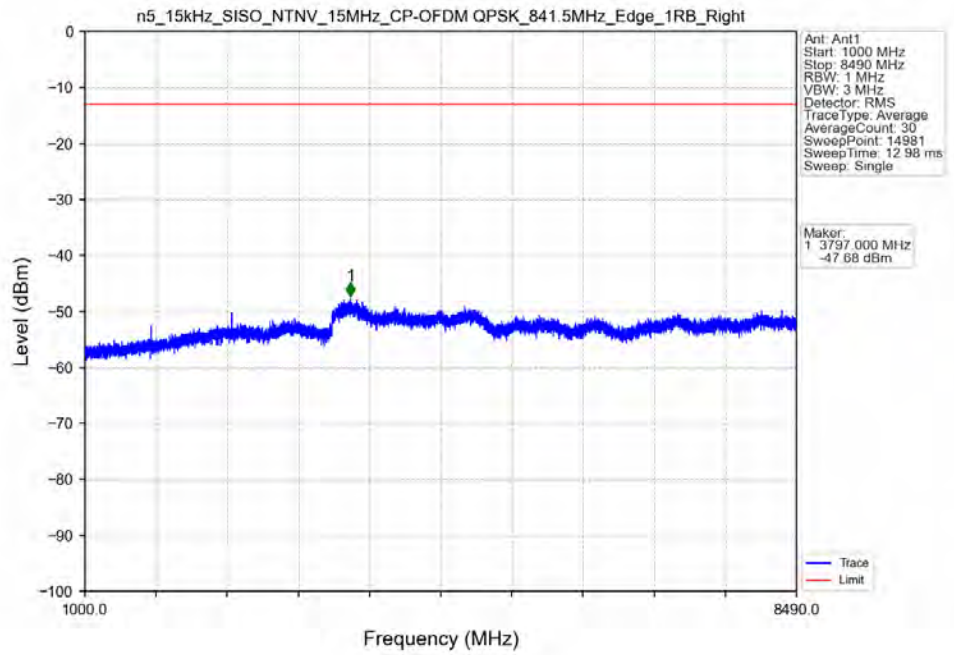

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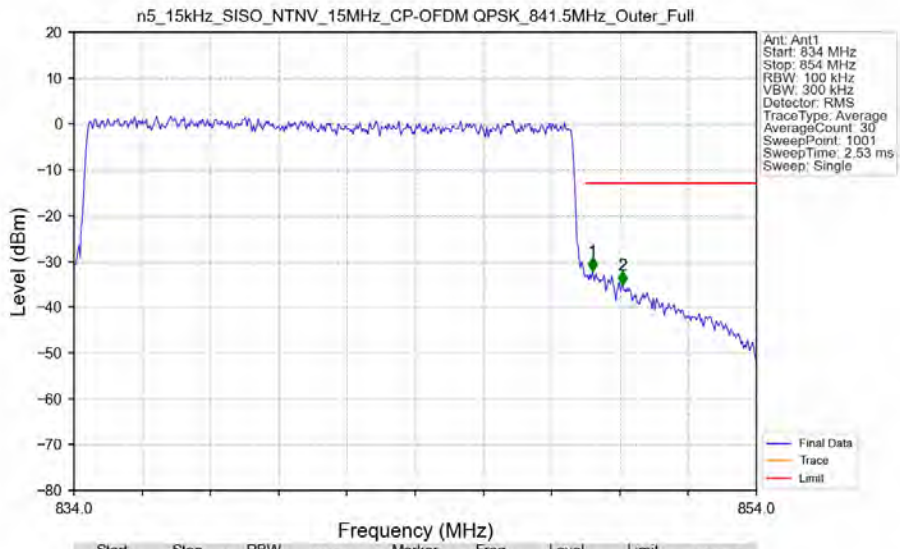

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.153	/	/	/	/	/	/
849	850	0.153	/	1	849.200	-32.16	-13	Pass
850	854	0.1	/	2	850.080	-35.21	-13	Pass

n5_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_841.5MHz_Inner_1RB_Right

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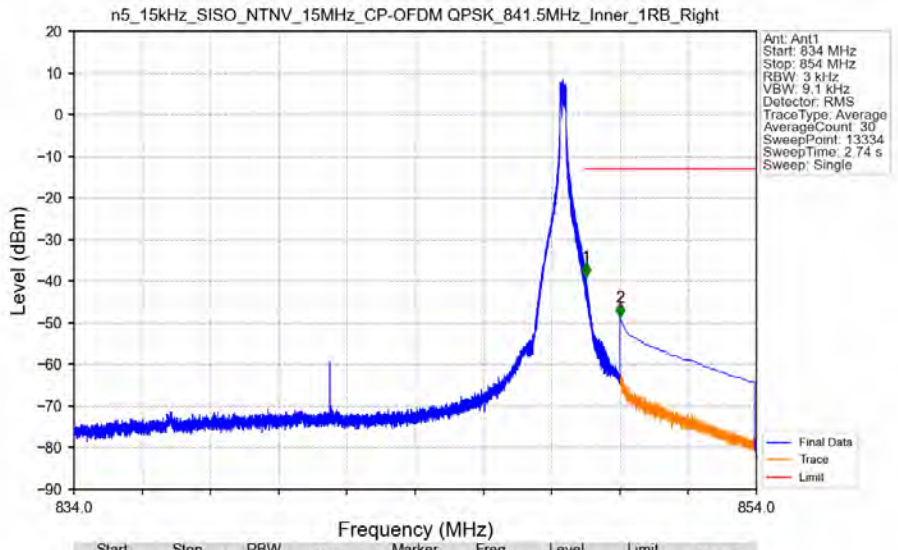

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.009	-38.99	-13	Pass
850	854	0.1	CHP	2	850.001	-48.70	-13	Pass

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5.4 15k_SISO_20MHz_NTNV

5.4.1 Test Result

5G NR n5 SCS=15kHz SISO 20MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	834	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	839	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	834	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	839	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	834	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	839	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

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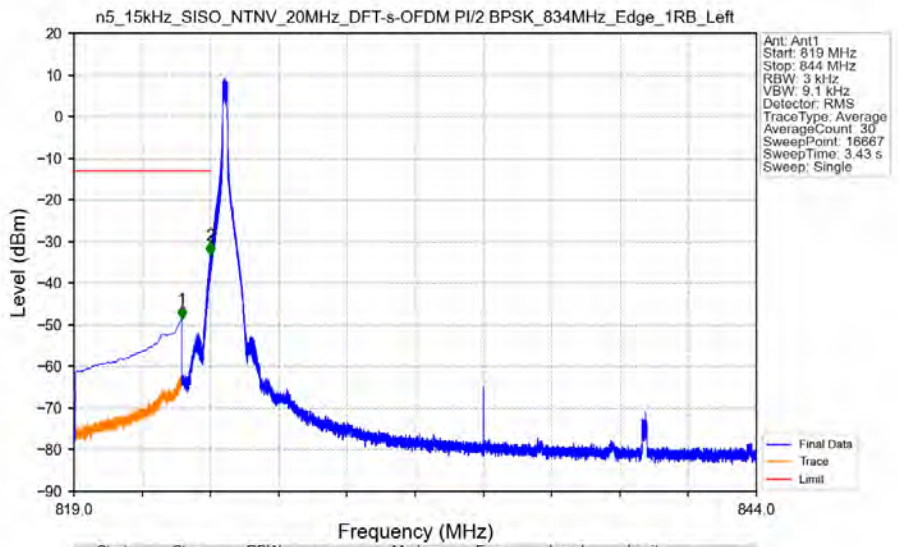
5.4.2 Test Graph

n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_834MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.948	-48.69	-13	Pass
823	824	0.003	/	2	823.994	-33.40	-13	Pass
824	844	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_834MHz_Edge_1RB_Left

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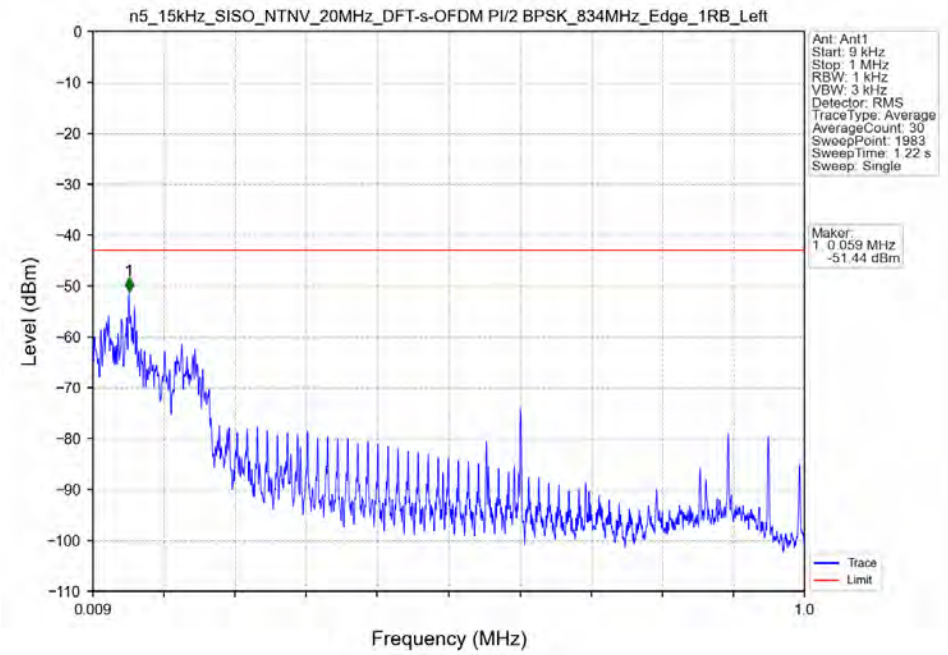

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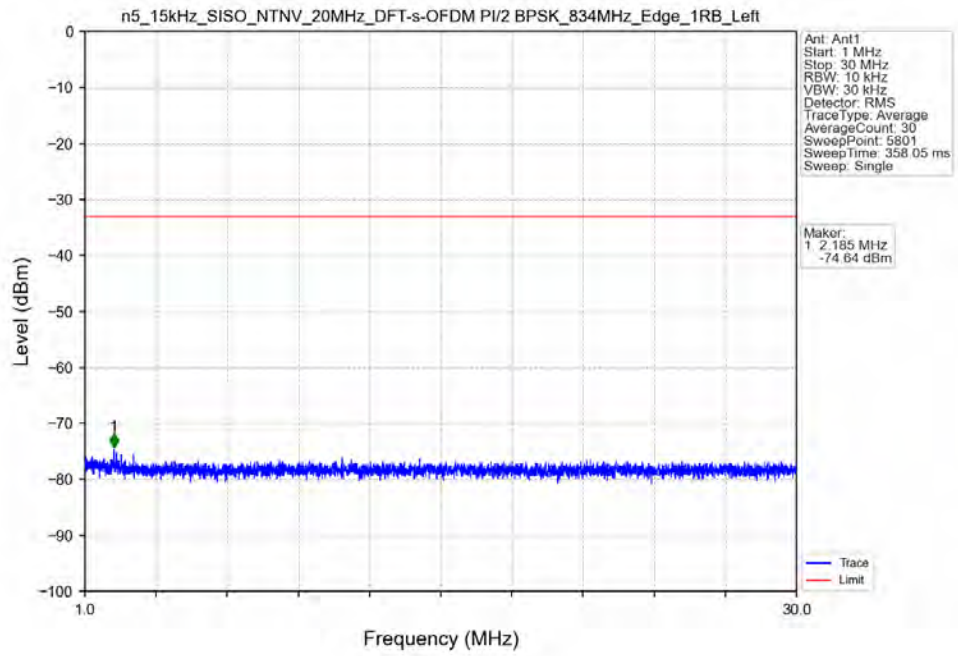
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_834MHz_Edge_1RB_Left



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_834MHz_Edge_1RB_Left

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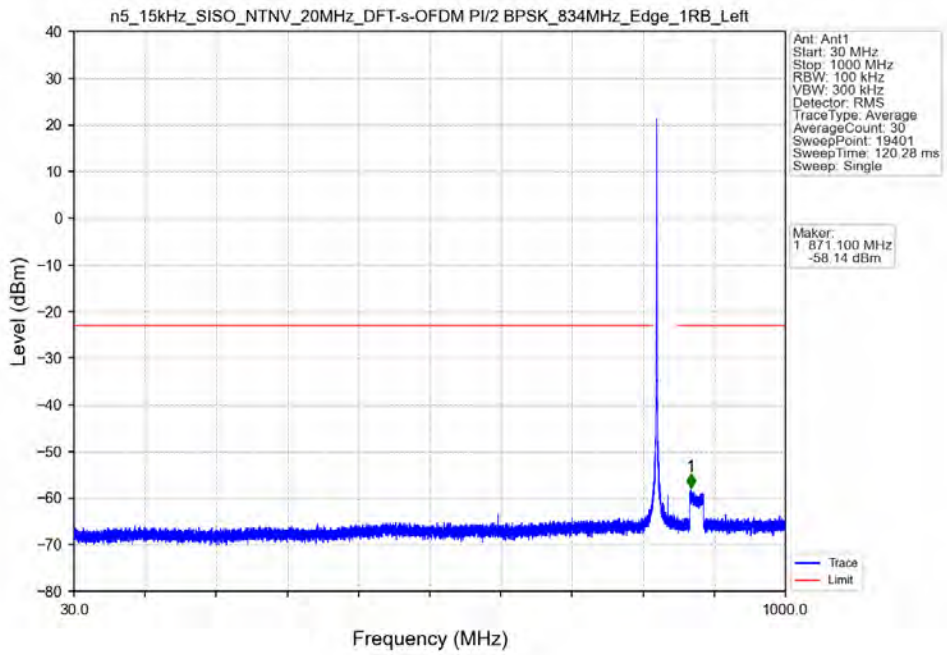

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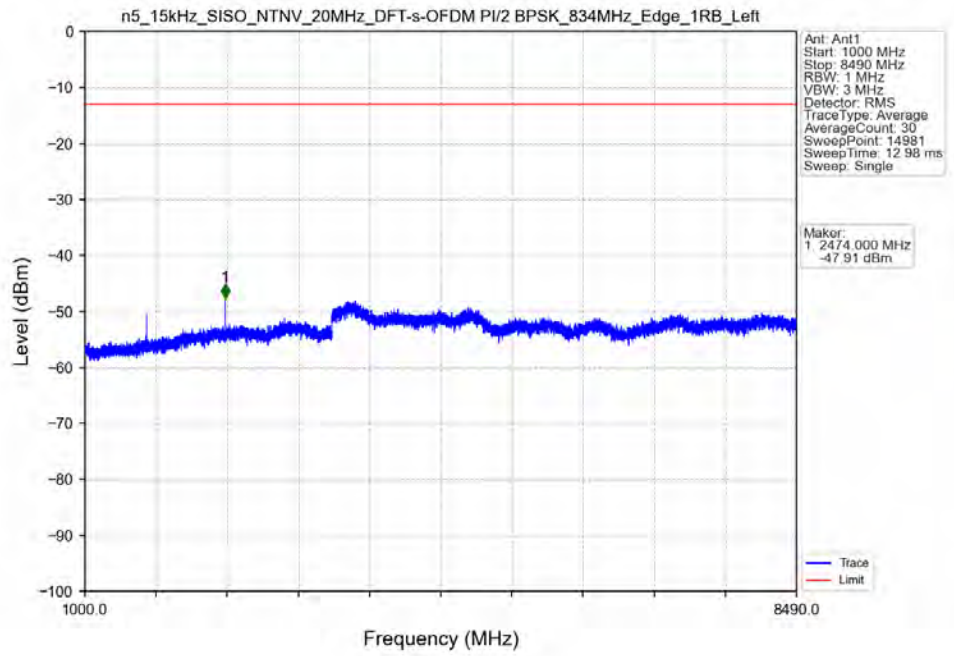
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_834MHz_Edge_1RB_Left



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_834MHz_Outer_Full

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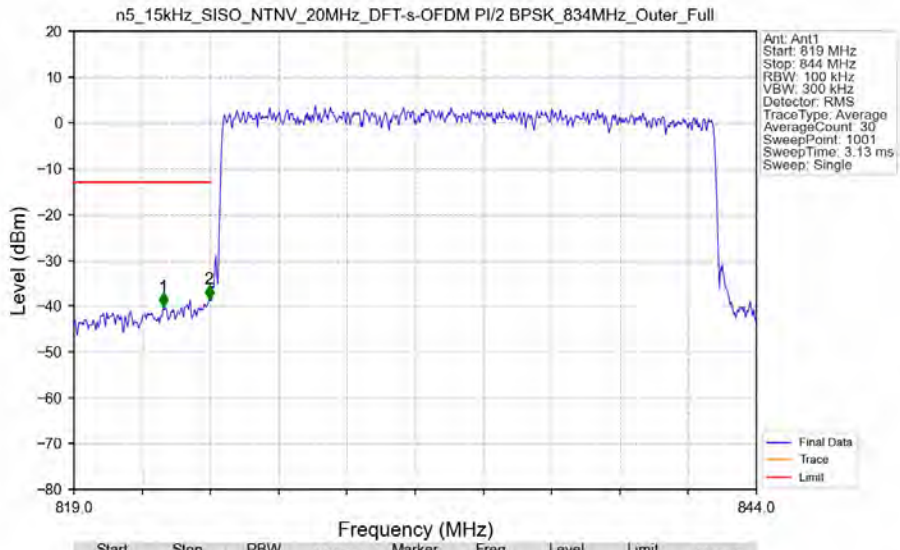

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	/	1	822.275	-40.20	-13	Pass
823	824	0.194	/	2	823.950	-38.48	-13	Pass
824	844	0.194	/	/	/	/	/	/

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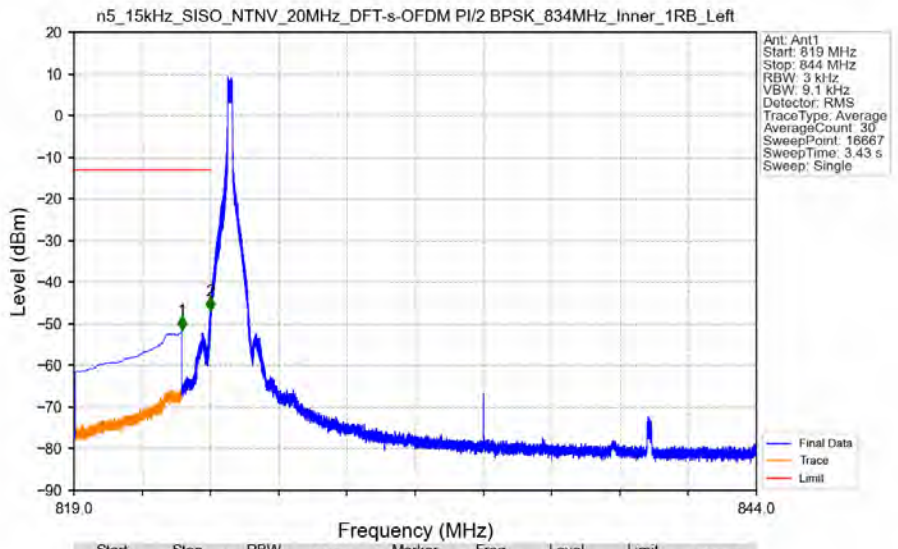

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.950	-51.54	-13	Pass
823	824	0.003	/	2	823.989	-46.93	-13	Pass
824	844	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Edge_1RB_Left

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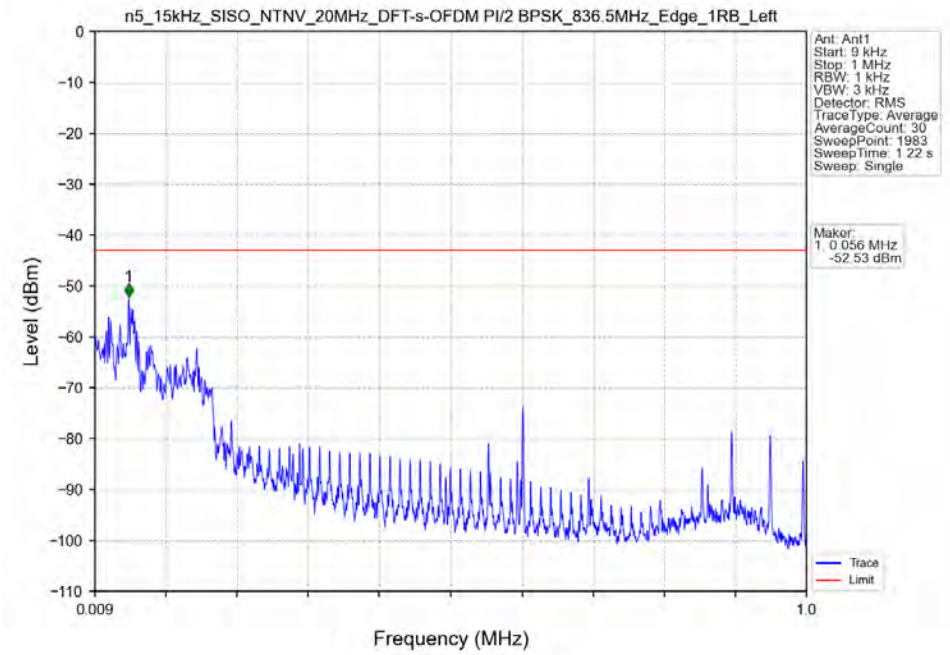

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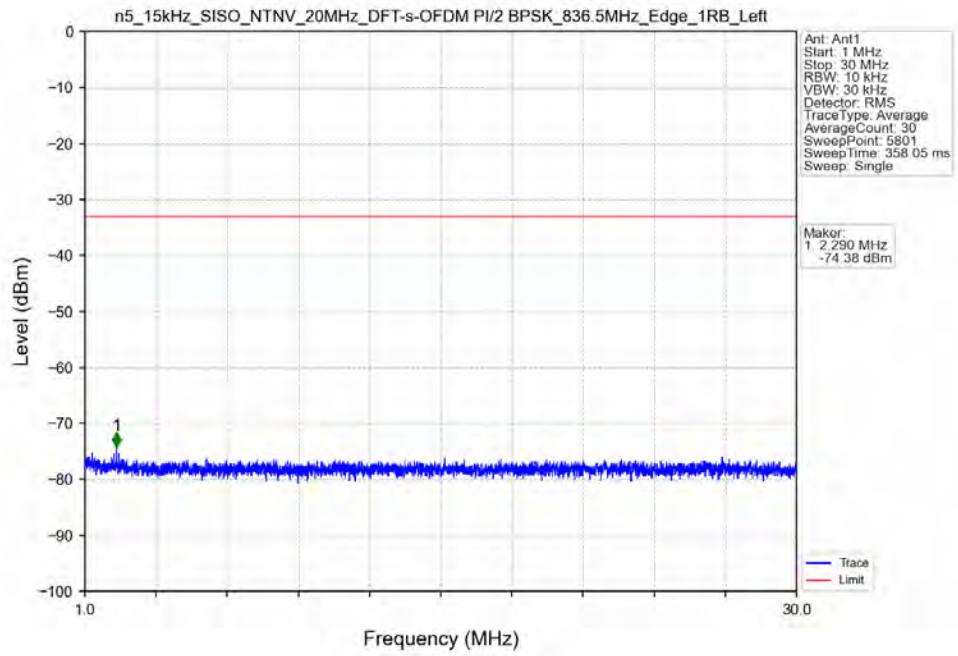
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Edge_1RB_Left



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Edge_1RB_Left

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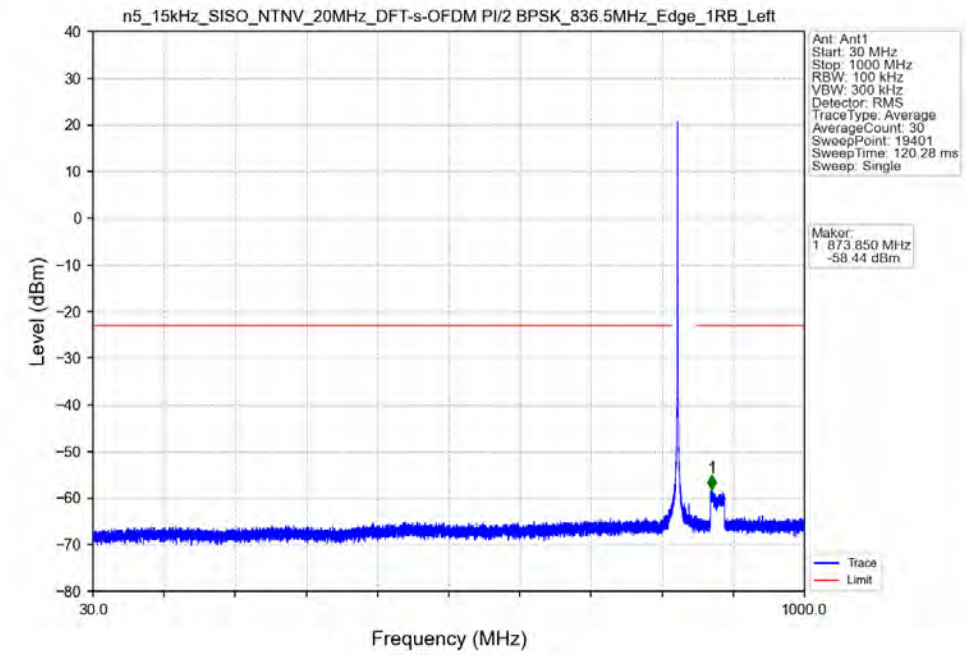

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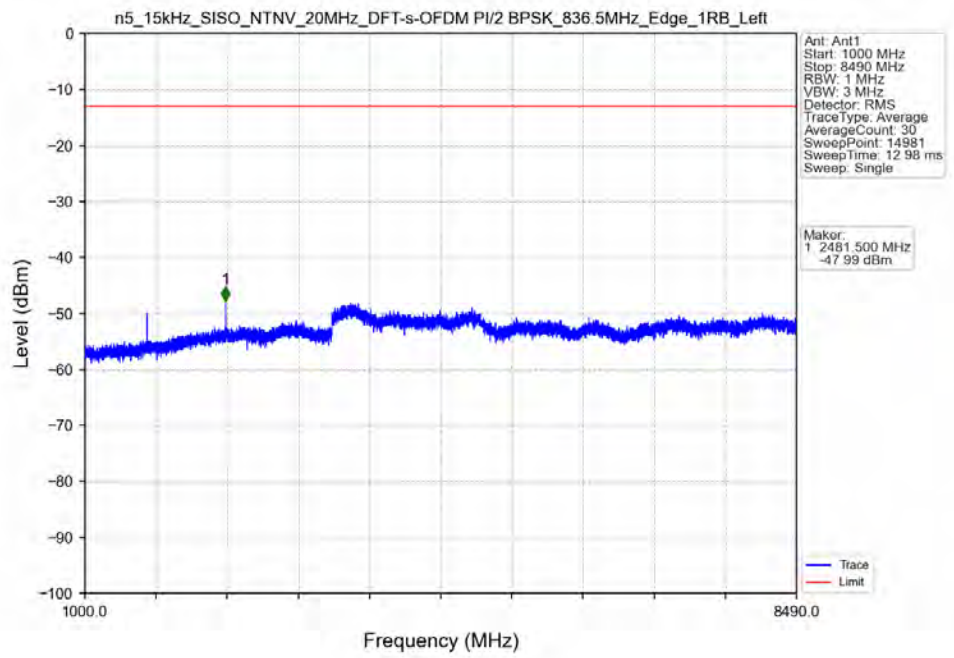

n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_839MHz_Edge_1RB_Right

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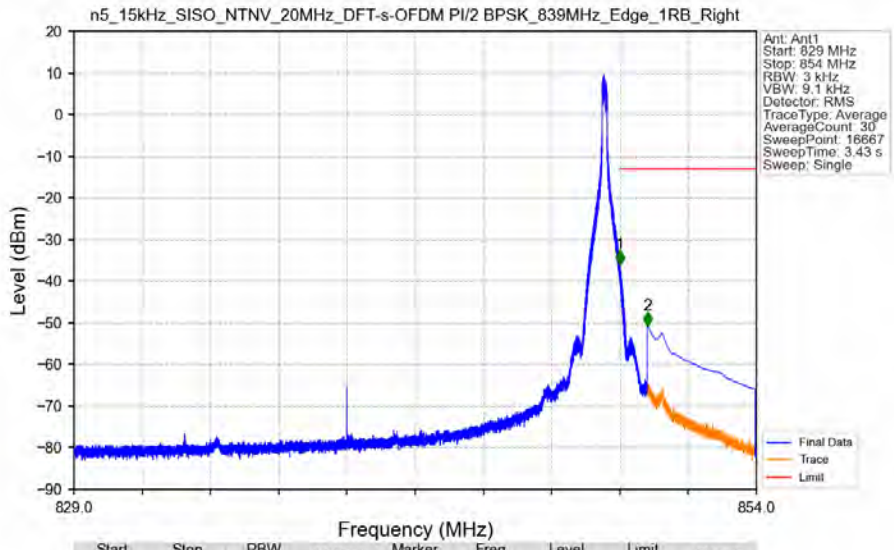

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
829	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.006	-35.99	-13	Pass
850	854	0.1	CHP	2	850.005	-50.73	-13	Pass

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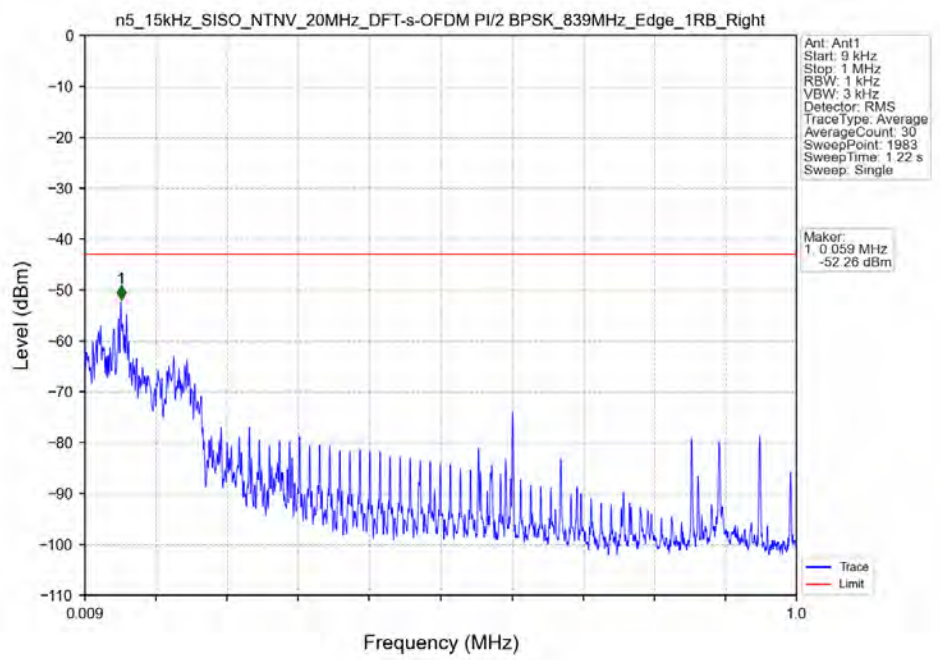

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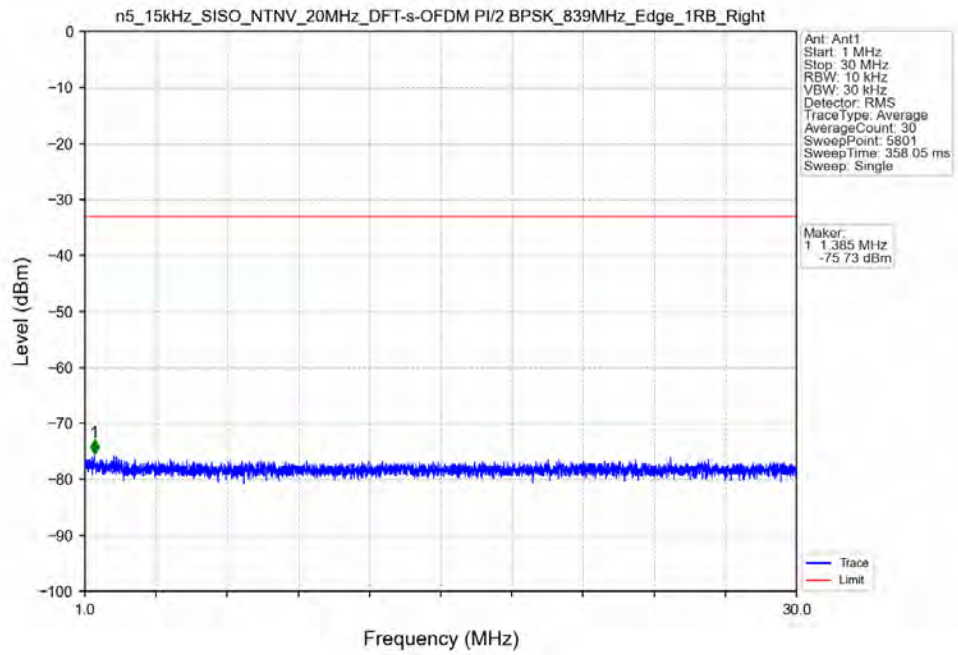

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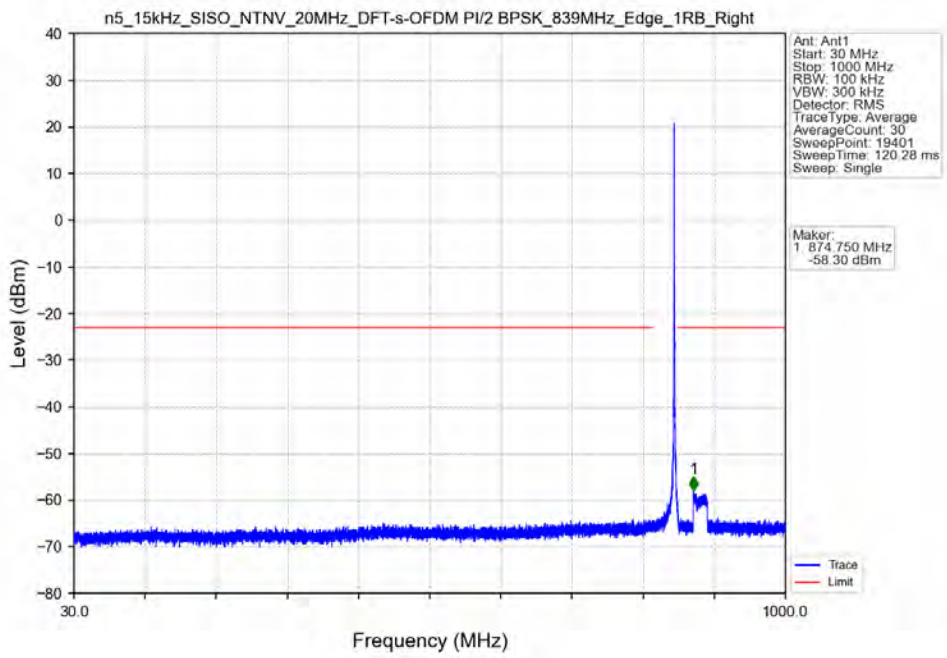
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_839MHz_Edge_1RB_Right



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_839MHz_Edge_1RB_Right

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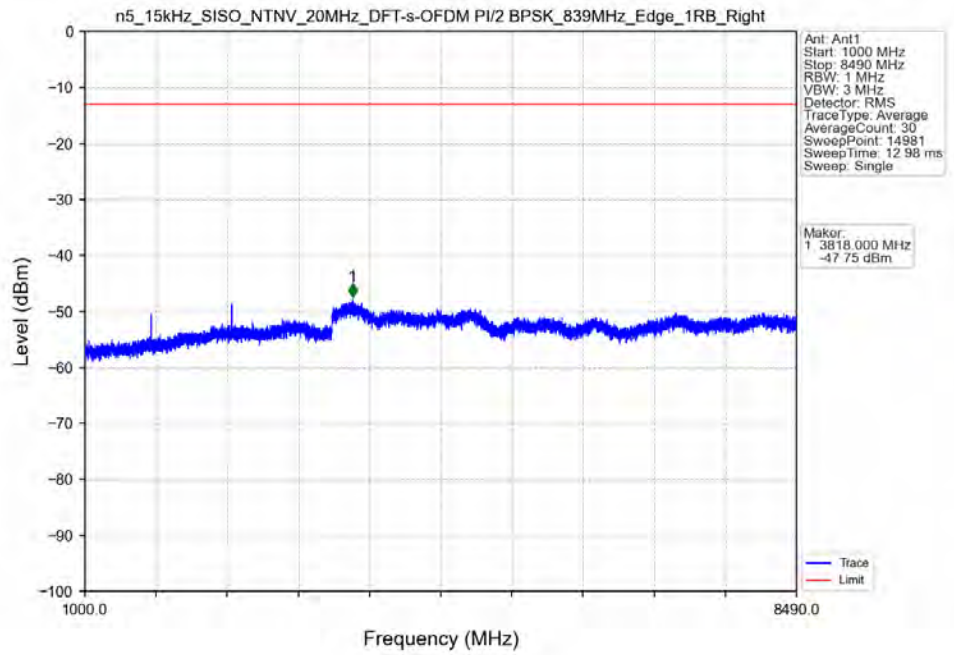

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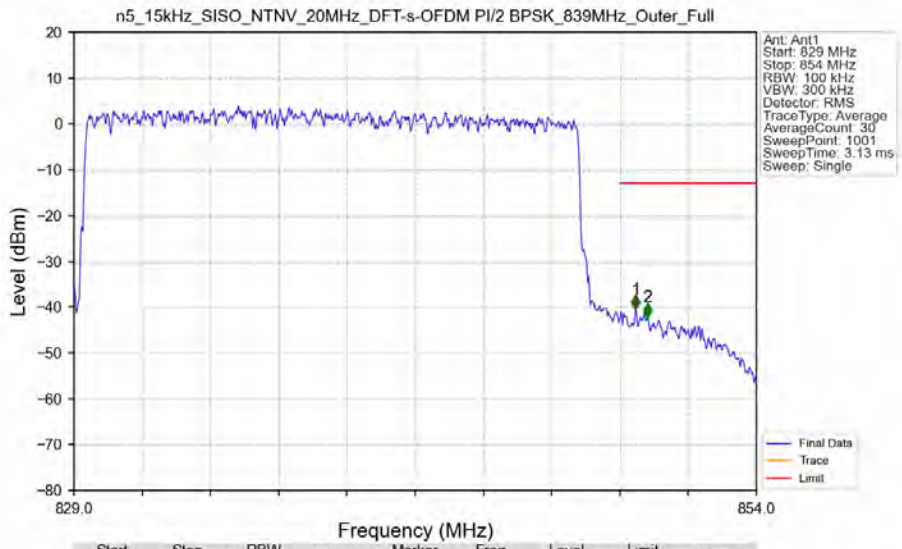

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
829	849	0.194	/	/	/	/	/	/
849	850	0.194	/	1	849.575	-40.56	-13	Pass
850	854	0.1	/	2	850.025	-42.20	-13	Pass

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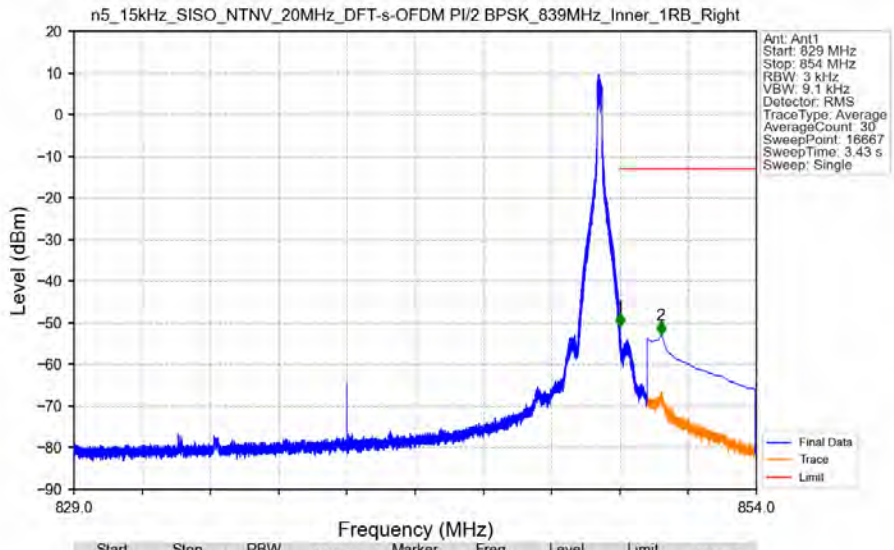

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
829	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.006	-51.00	-13	Pass
850	854	0.1	CHP	2	850.502	-52.93	-13	Pass

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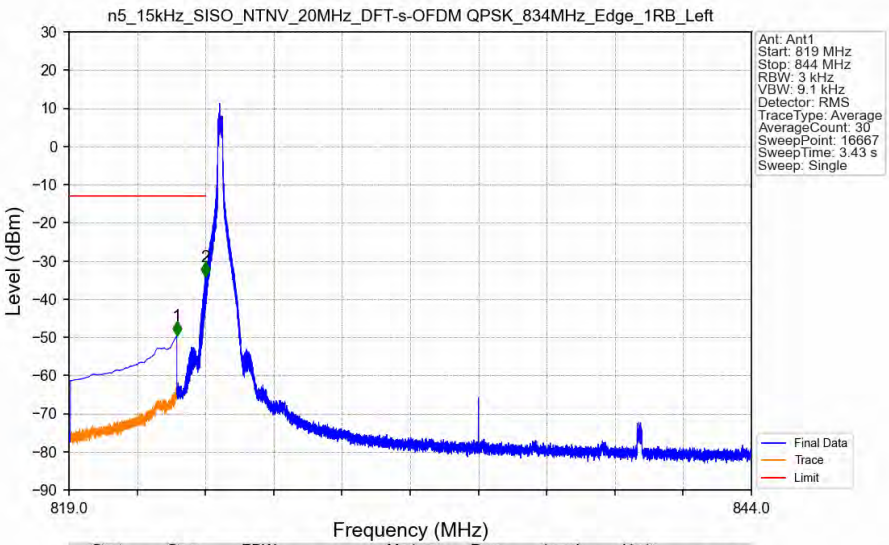

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.950	-49.59	-13	Pass
823	824	0.003	/	2	823.991	-34.10	-13	Pass
824	844	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_834MHz_Edge_1RB_Left

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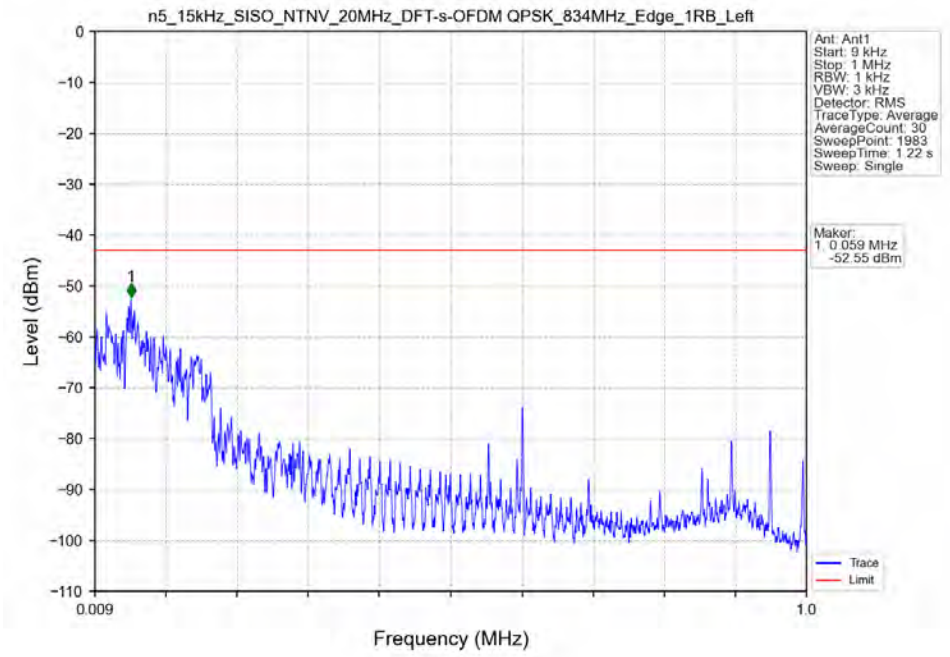

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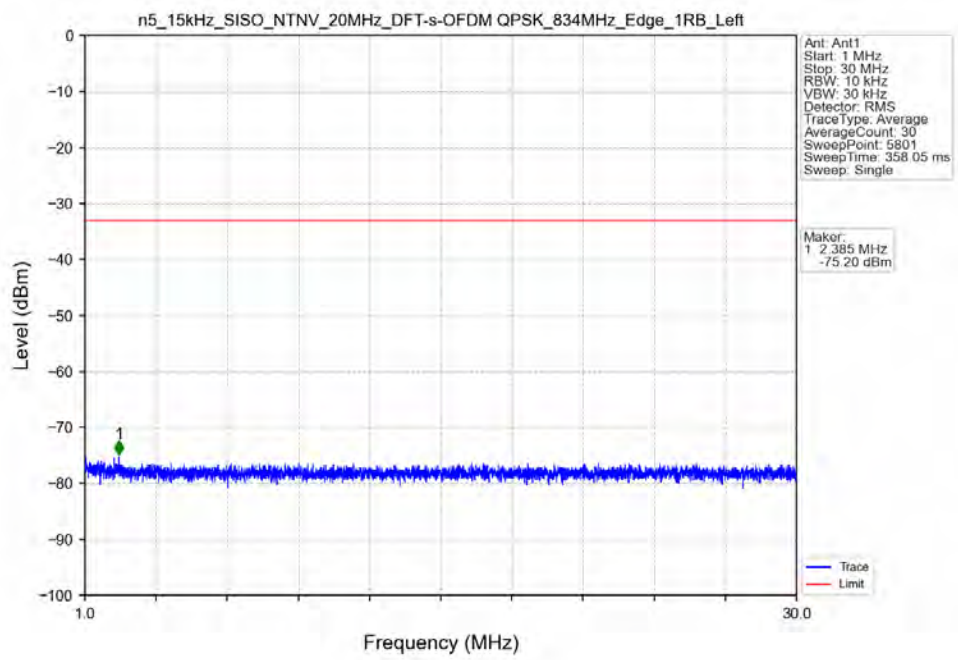

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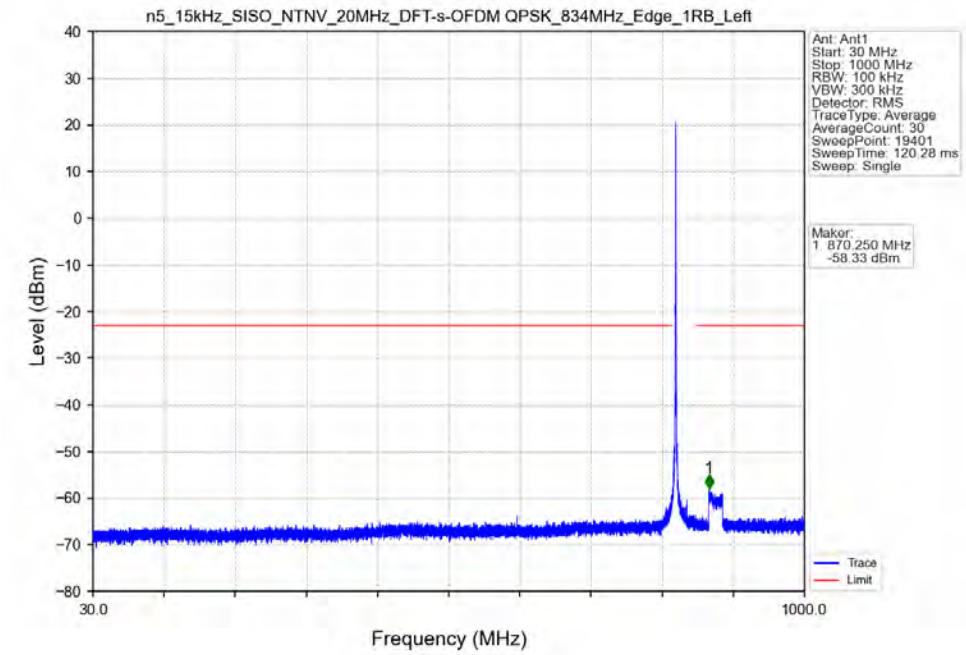

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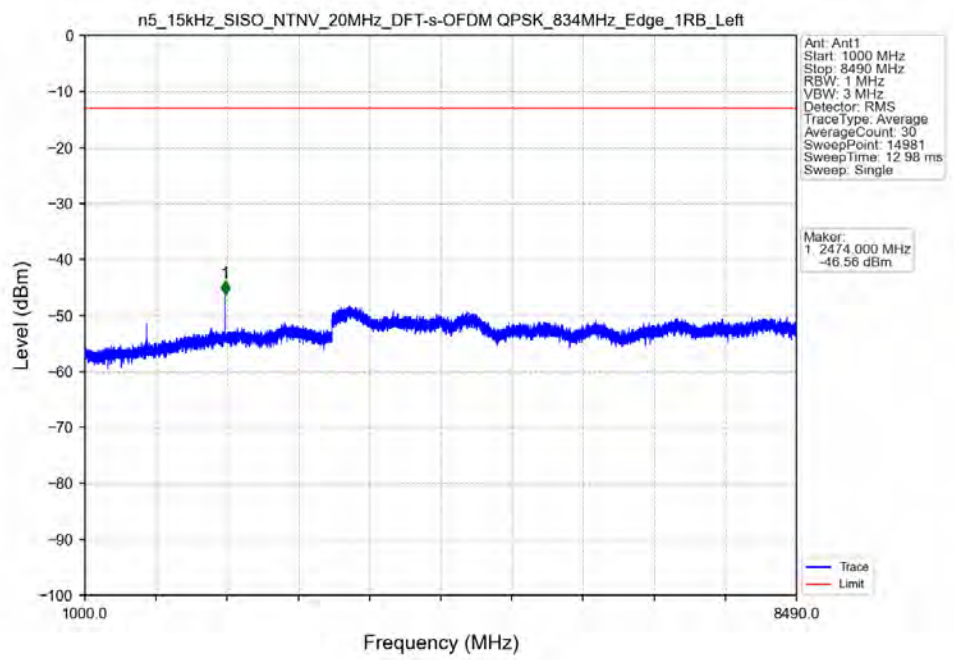

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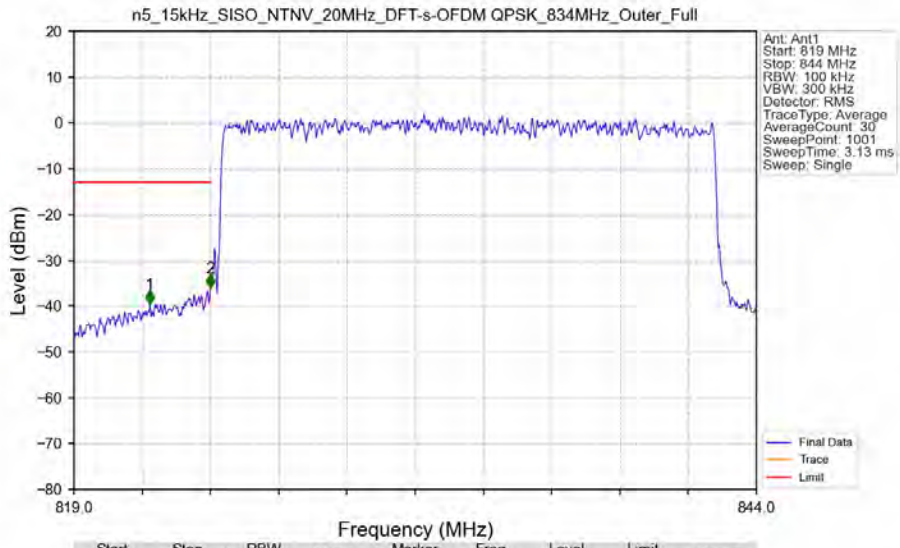

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	/	1	821.775	-39.57	-13	Pass
823	824	0.194	/	2	824.000	-36.09	-13	Pass
824	844	0.194	/	/	/	/	/	/

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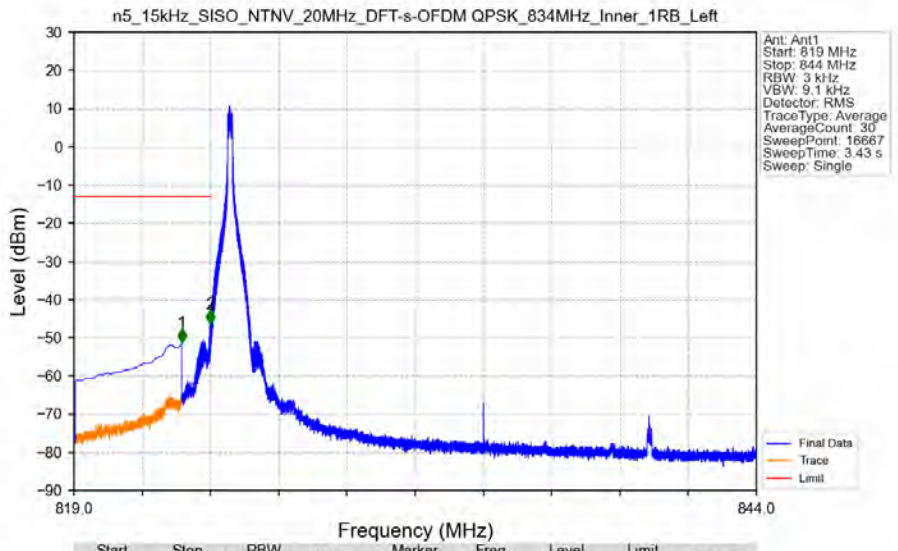

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.950	-51.28	-13	Pass
823	824	0.003	/	2	823.991	-46.34	-13	Pass
824	844	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_836.5MHz_Edge_1RB_Left

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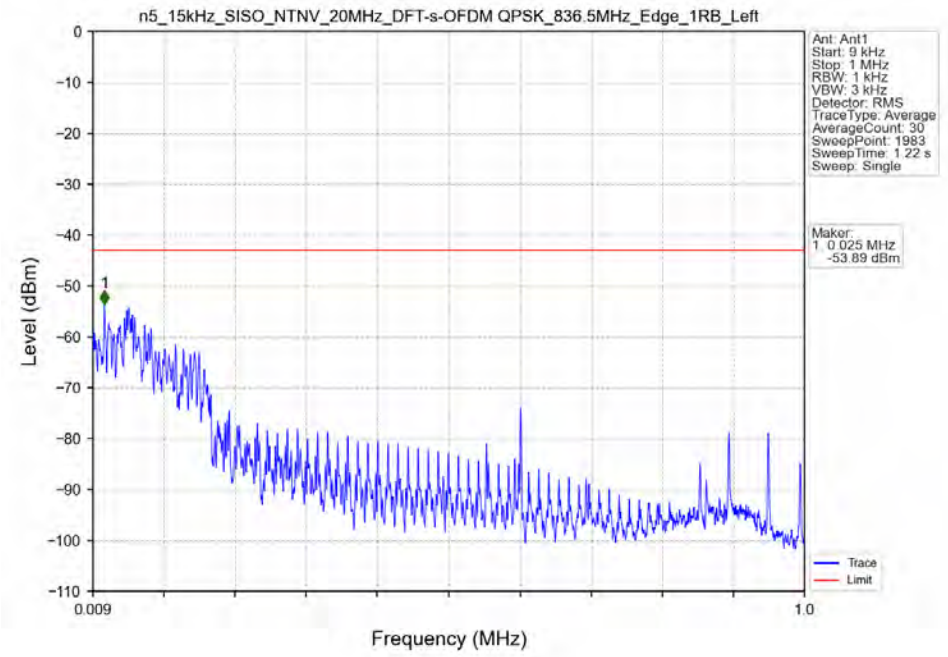

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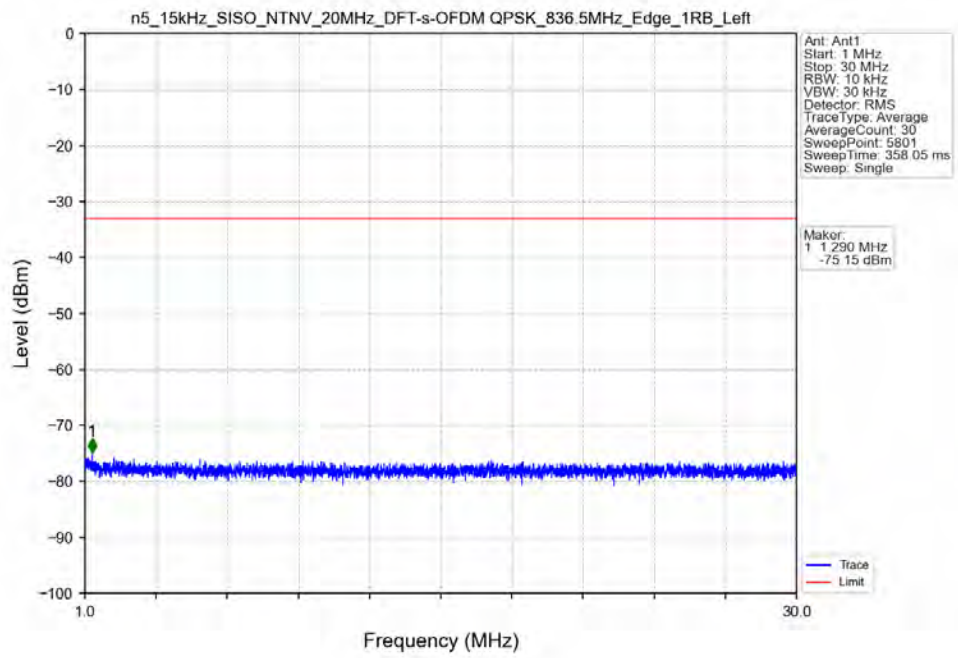
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_836.5MHz_Edge_1RB_Left



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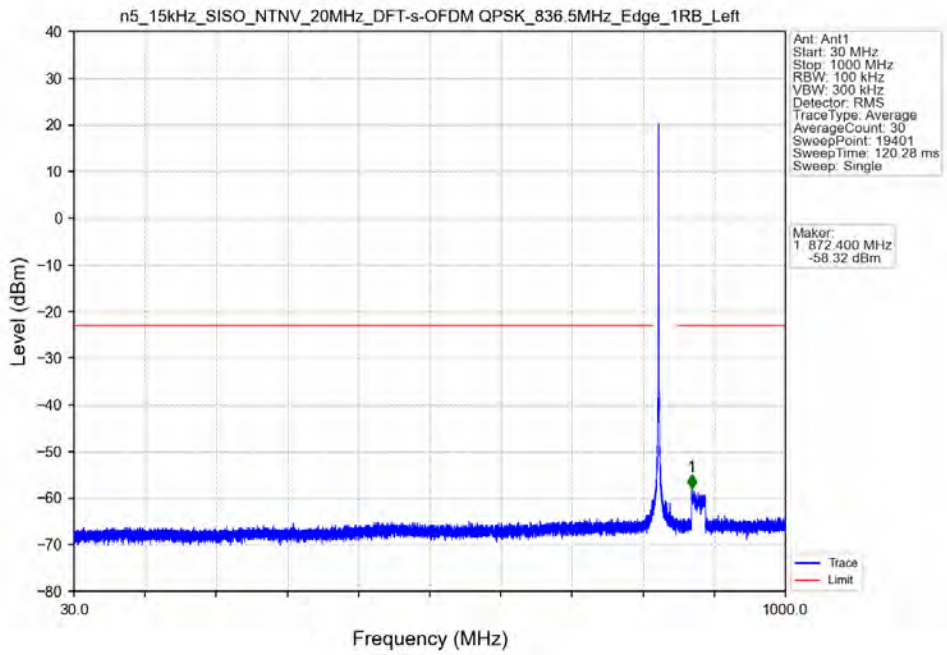

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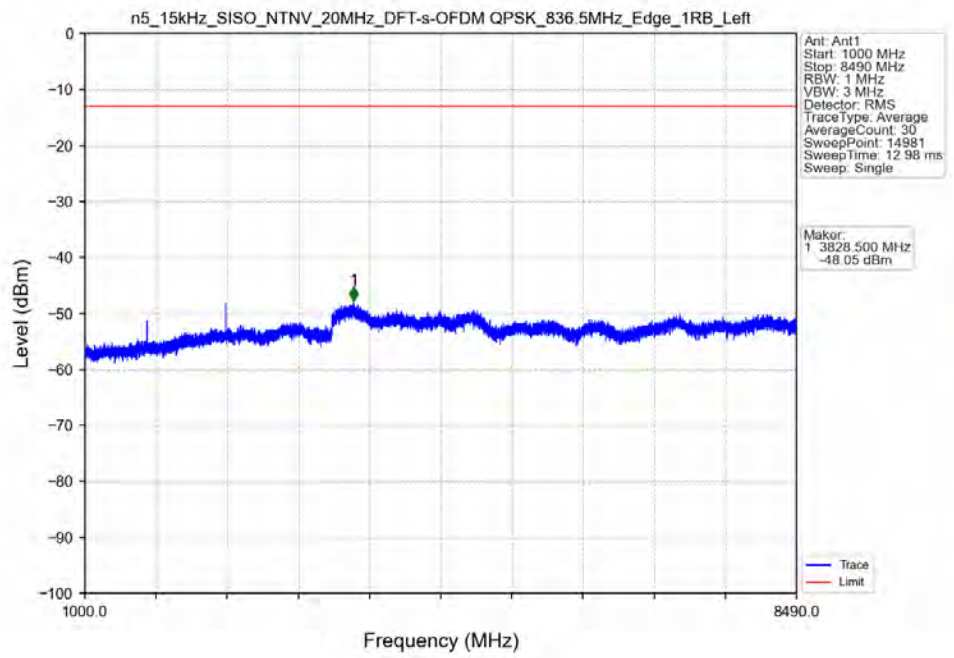

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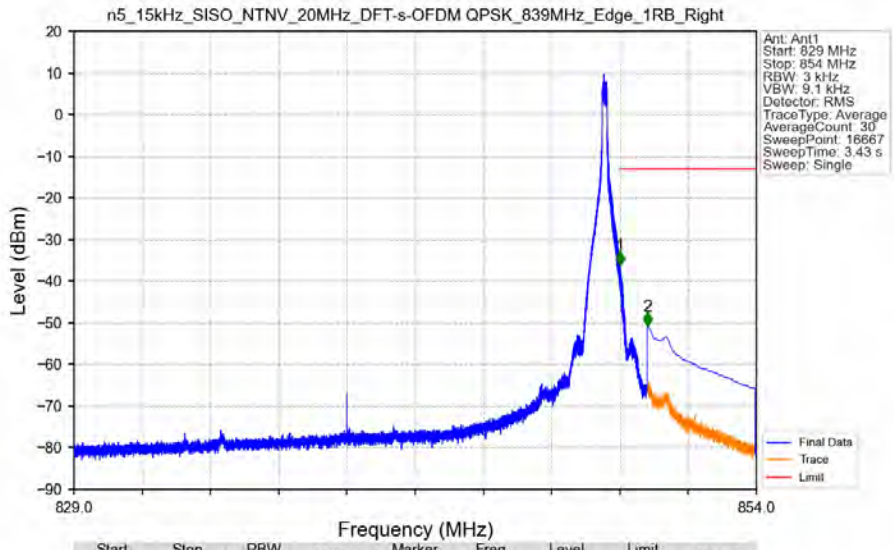

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
829	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.006	-36.19	-13	Pass
850	854	0.1	CHP	2	850.007	-50.89	-13	Pass

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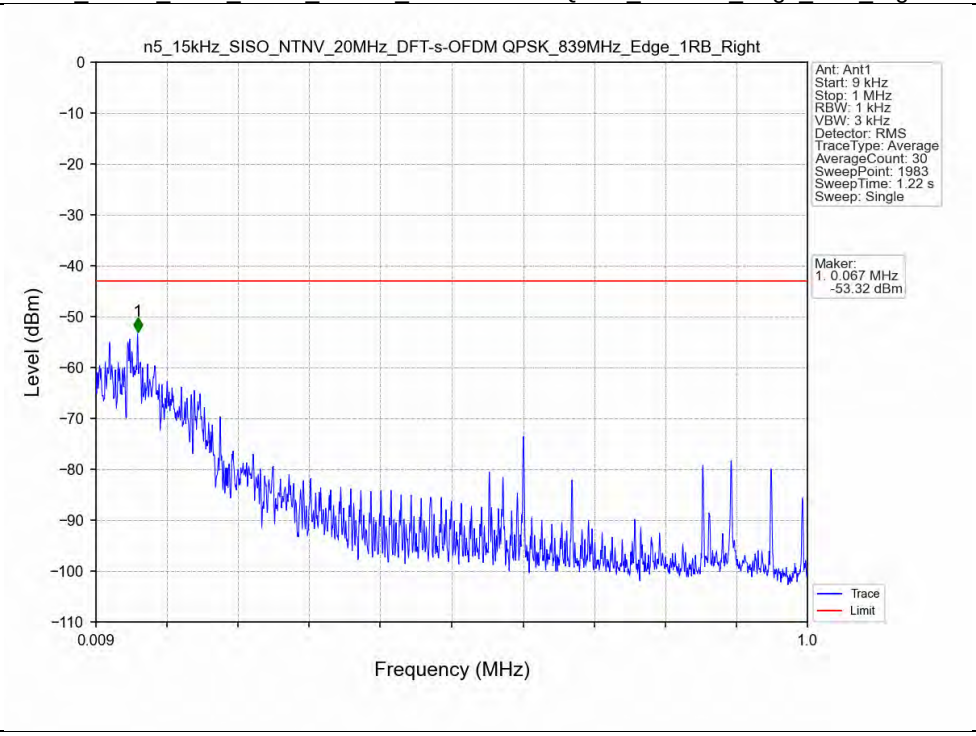

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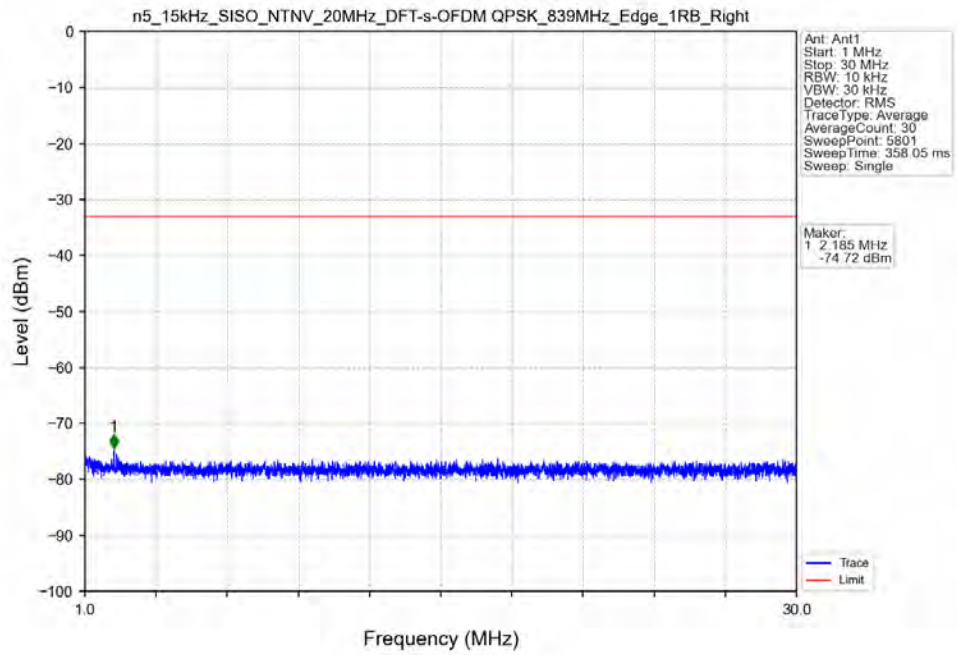

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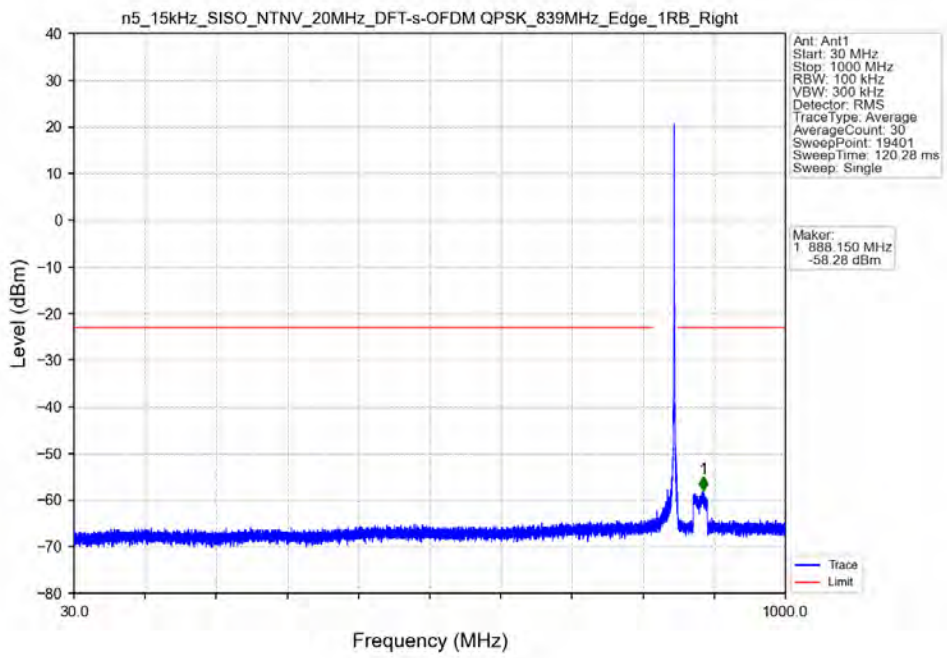

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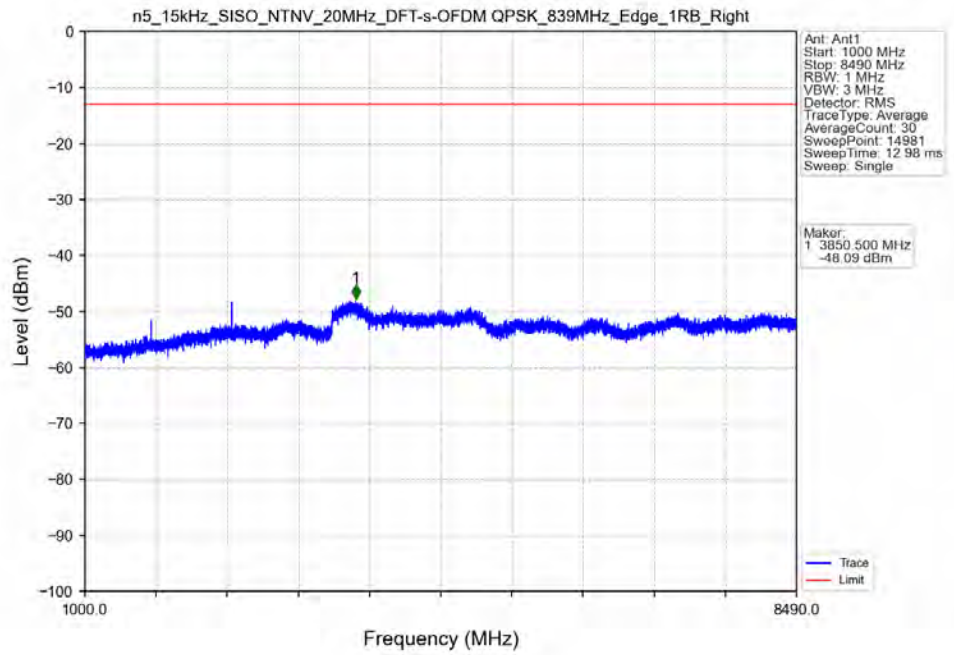

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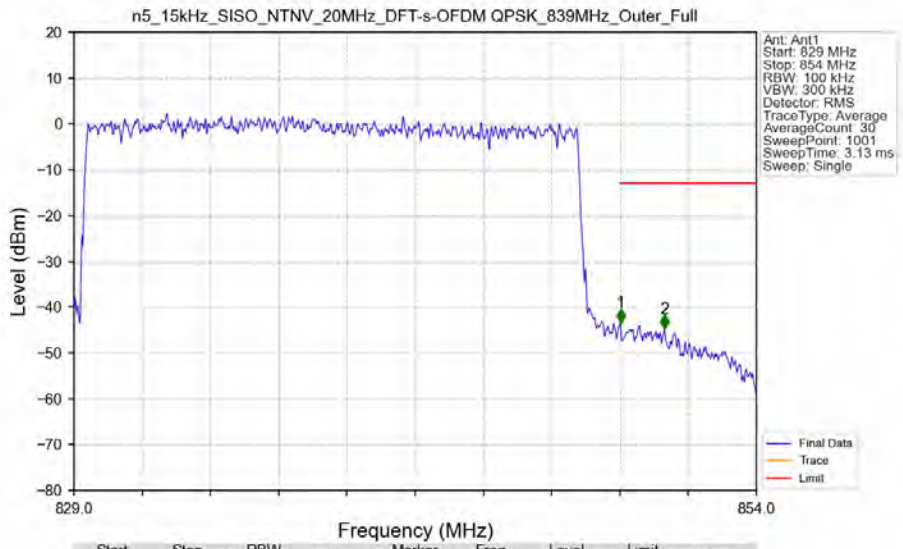

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
829	849	0.194	/	/	/	/	/	/
849	850	0.194	/	1	849.025	-43.41	-13	Pass
850	854	0.1	/	2	850.625	-44.79	-13	Pass

n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_839MHz_Inner_1RB_Right

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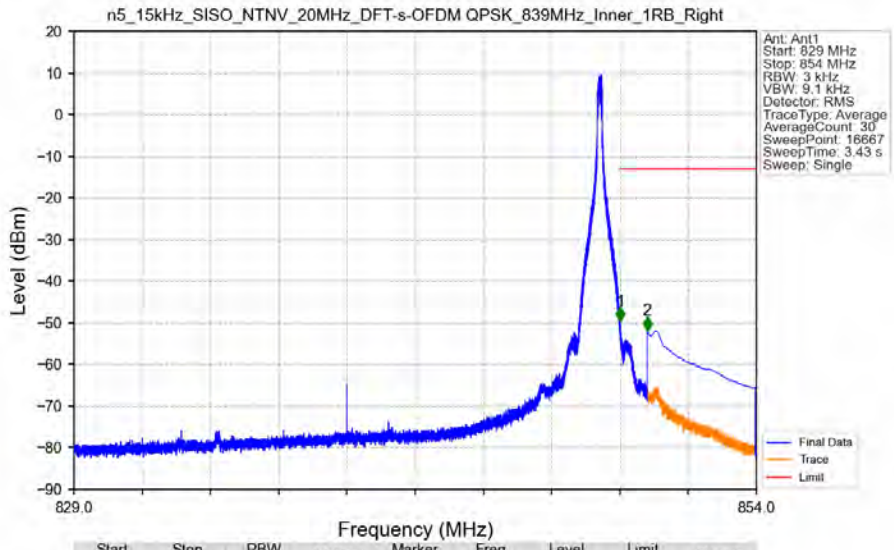

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
829	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.008	-49.59	-13	Pass
850	854	0.1	CHP	2	850.001	-51.91	-13	Pass

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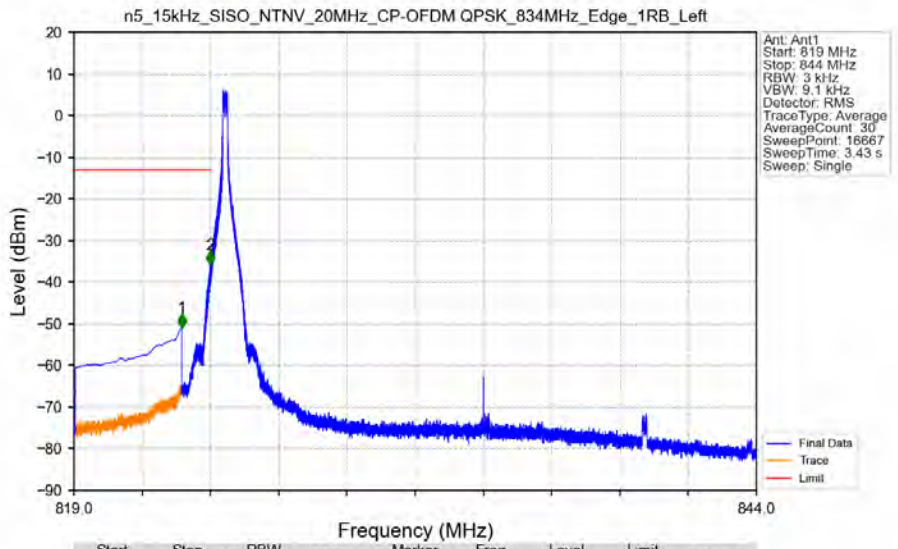
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_834MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.950	-51.03	-13	Pass
823	824	0.003	/	2	823.992	-35.89	-13	Pass
824	844	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_834MHz_Edge_1RB_Left

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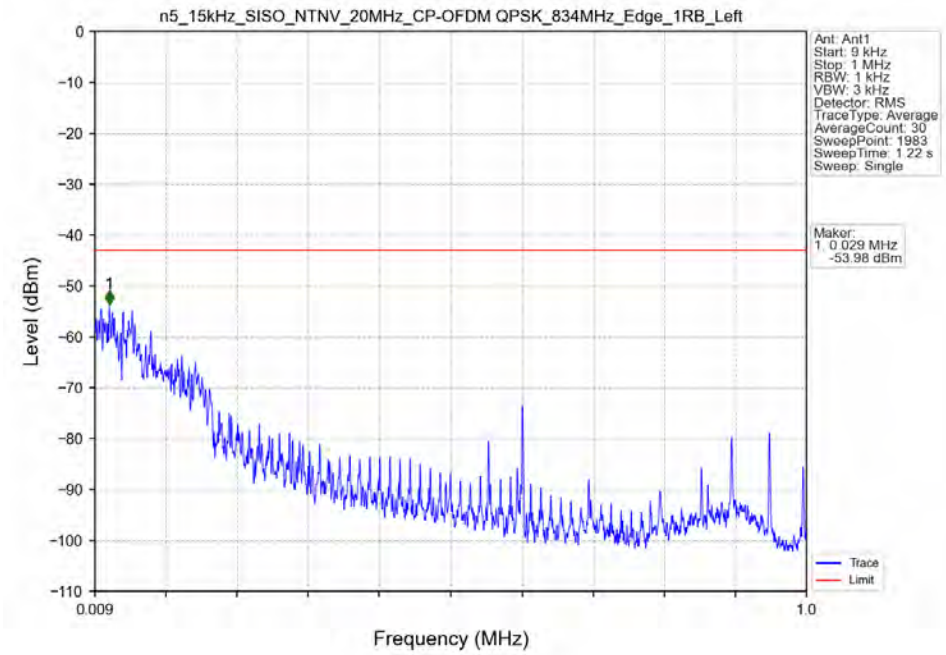

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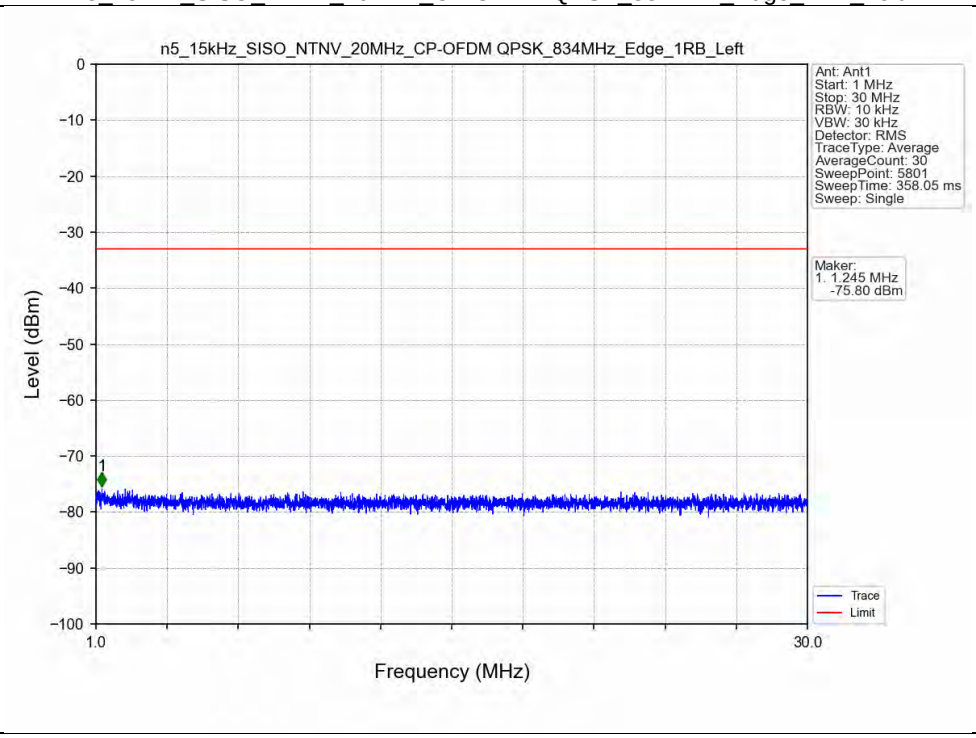

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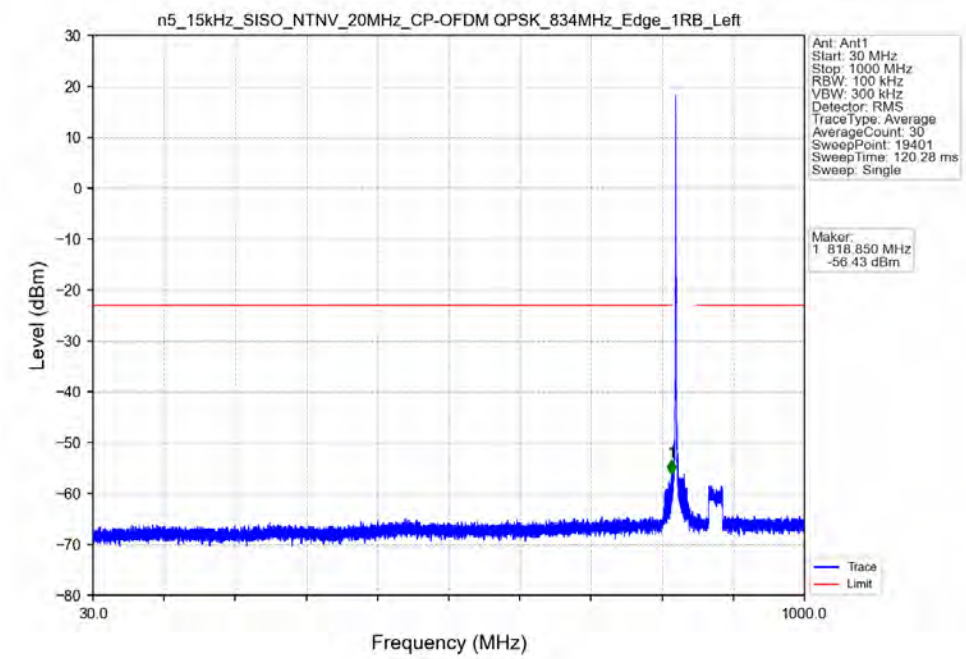

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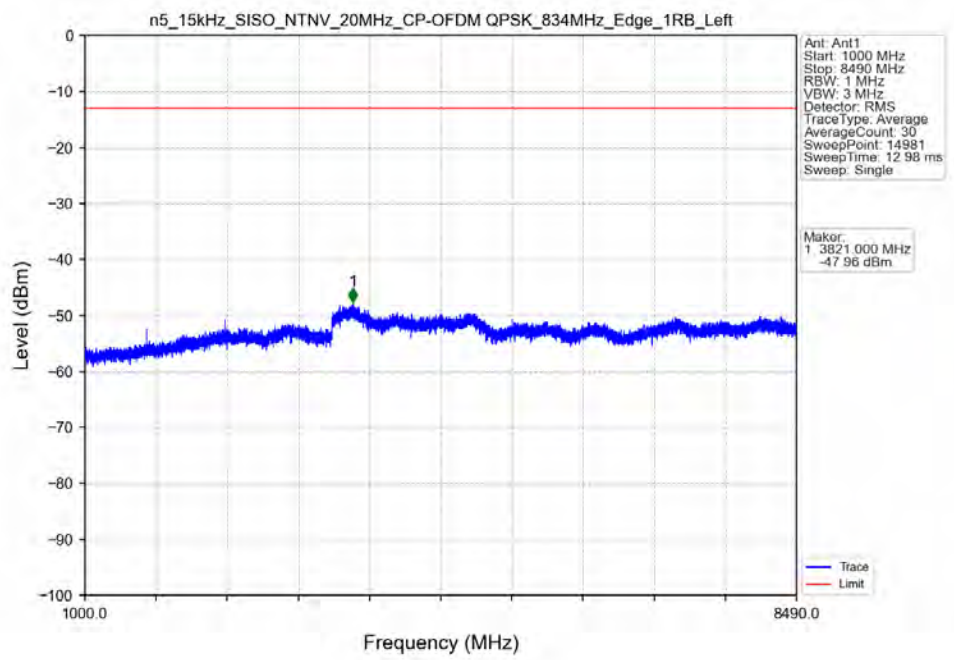

n5_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_834MHz_Outer_Full

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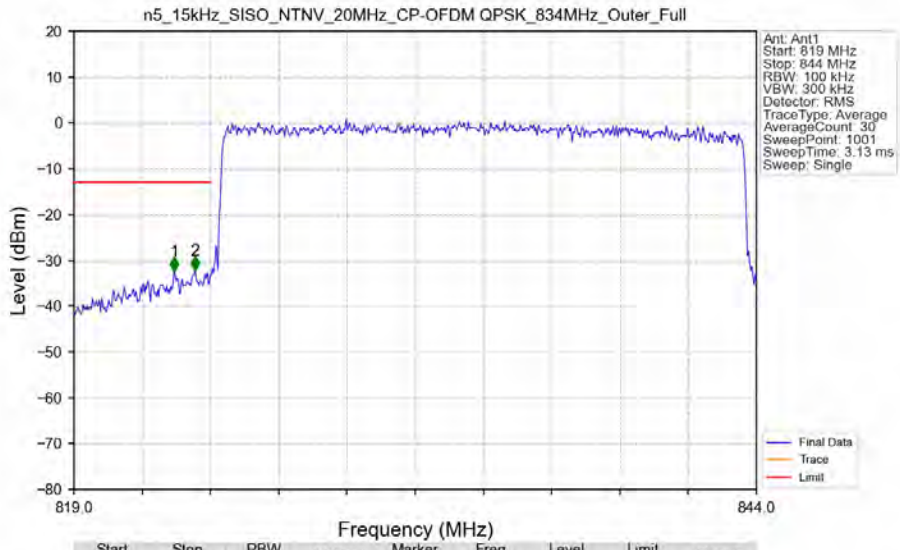

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	/	1	822.675	-32.35	-13	Pass
823	824	0.207	/	2	823.425	-32.18	-13	Pass
824	844	0.207	/	/	/	/	/	/

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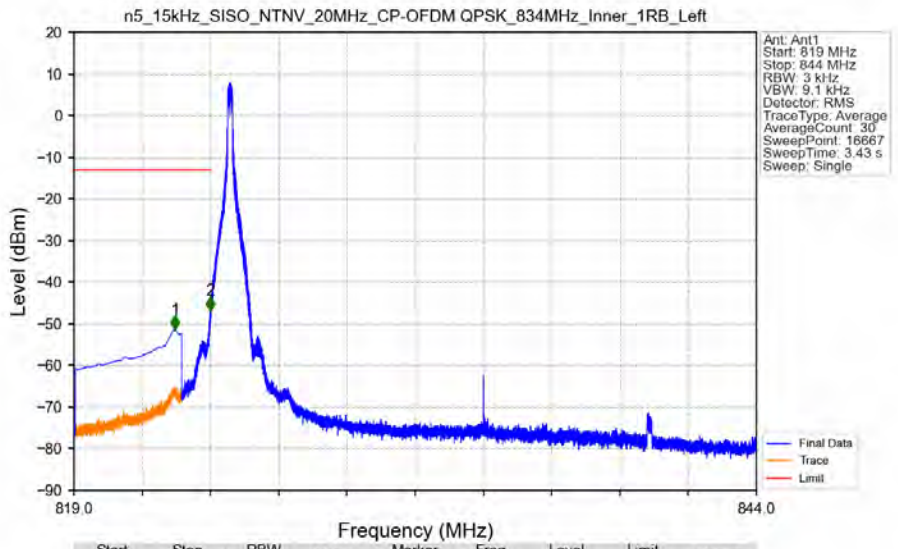

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.708	-51.47	-13	Pass
823	824	0.003	/	2	823.989	-46.85	-13	Pass
824	844	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_836.5MHz_Edge_1RB_Left

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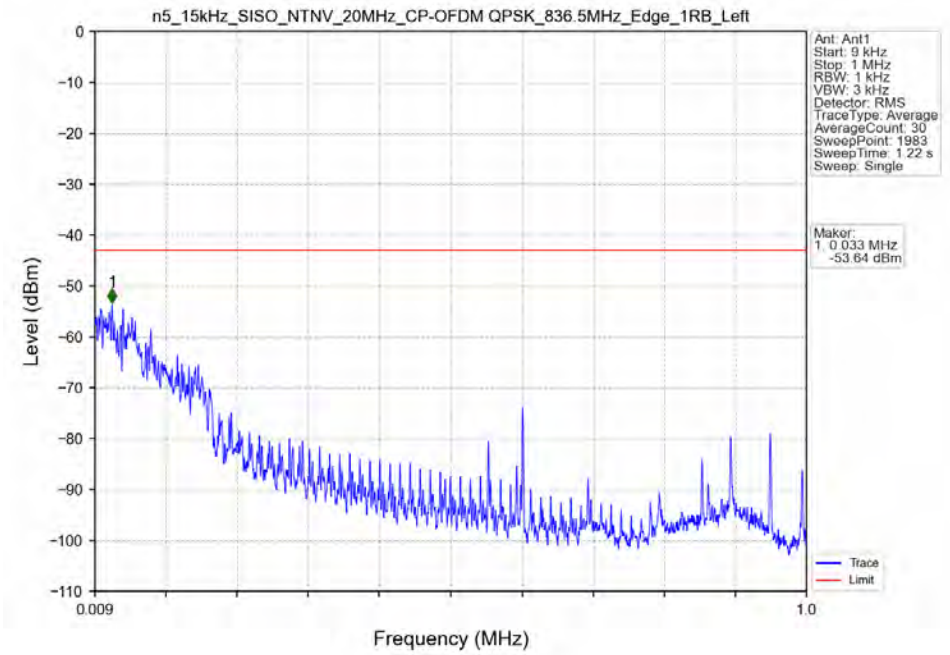

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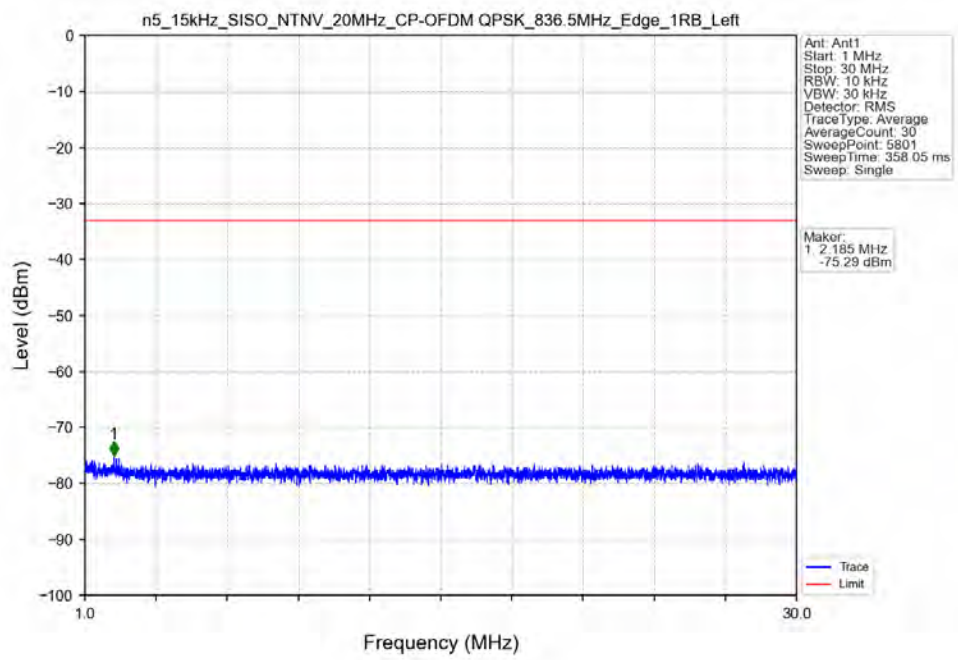
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_836.5MHz_Edge_1RB_Left



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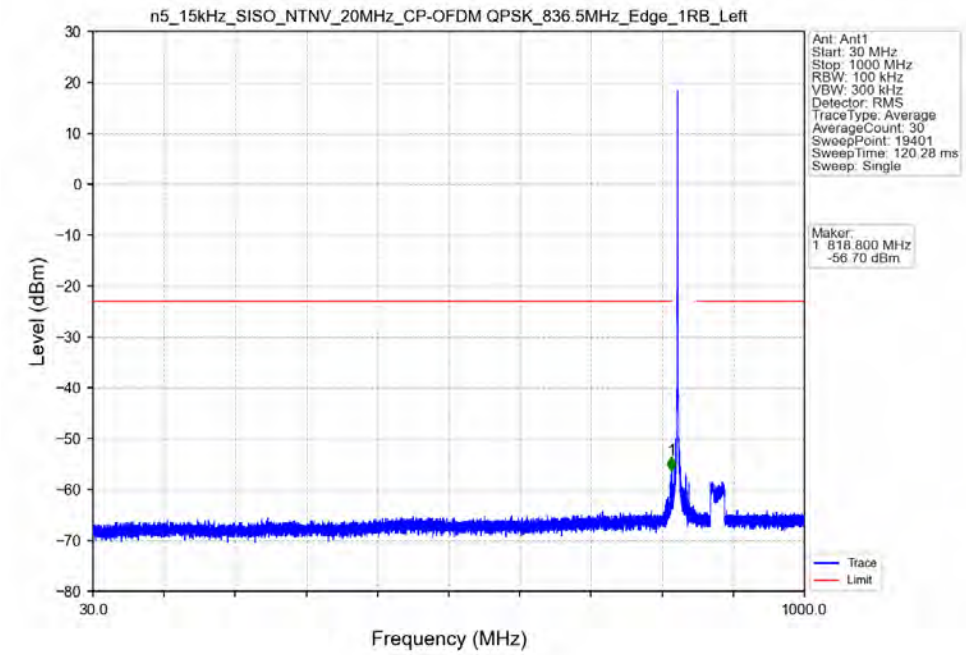

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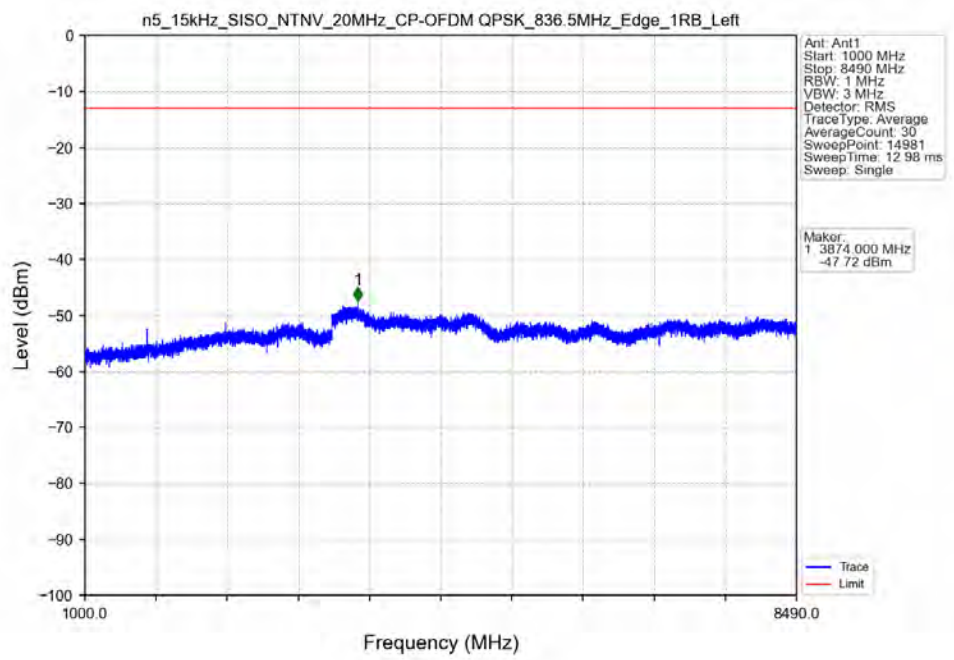

n5_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_839MHz_Edge_1RB_Right

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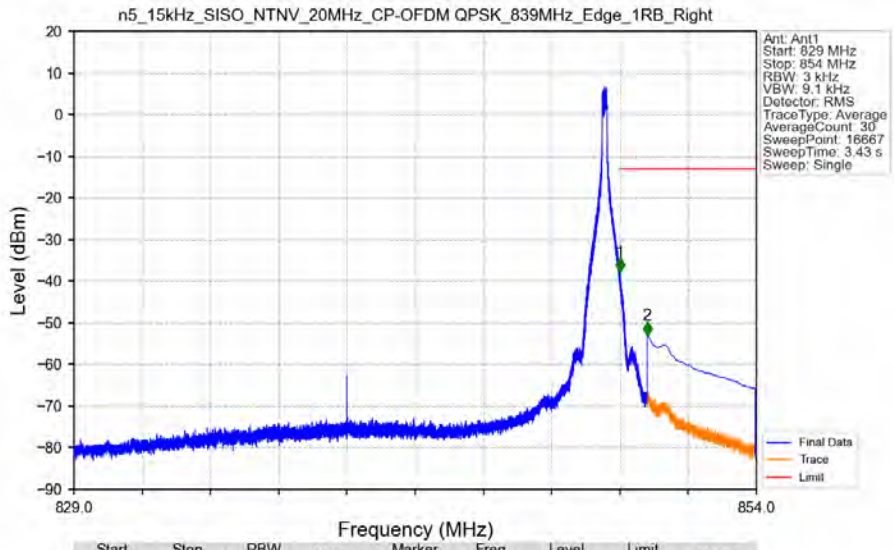

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
829	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-37.90	-13	Pass
850	854	0.1	CHP	2	850.001	-53.07	-13	Pass

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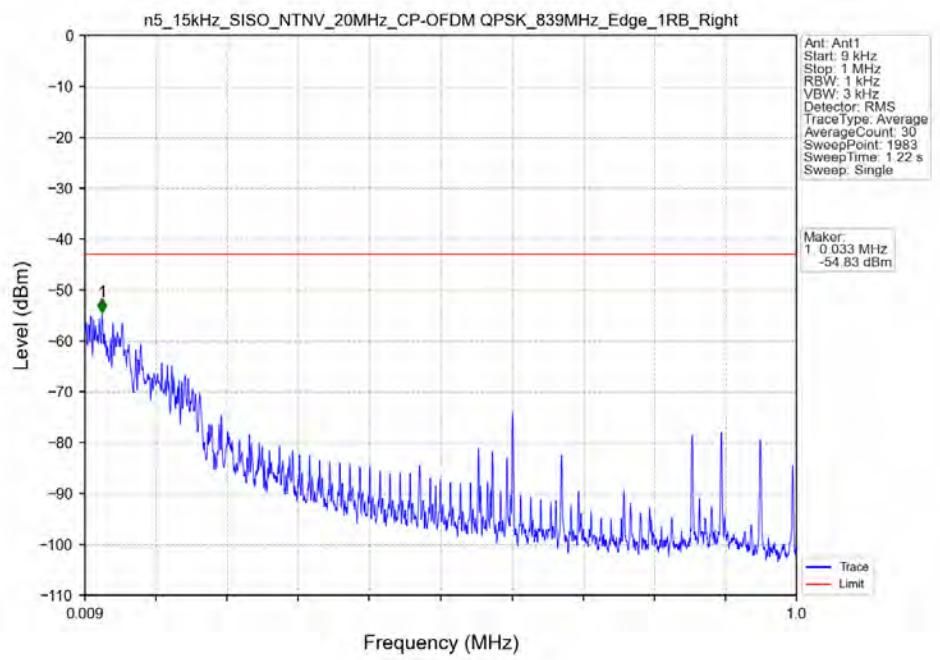
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_839MHz_Edge_1RB_Right



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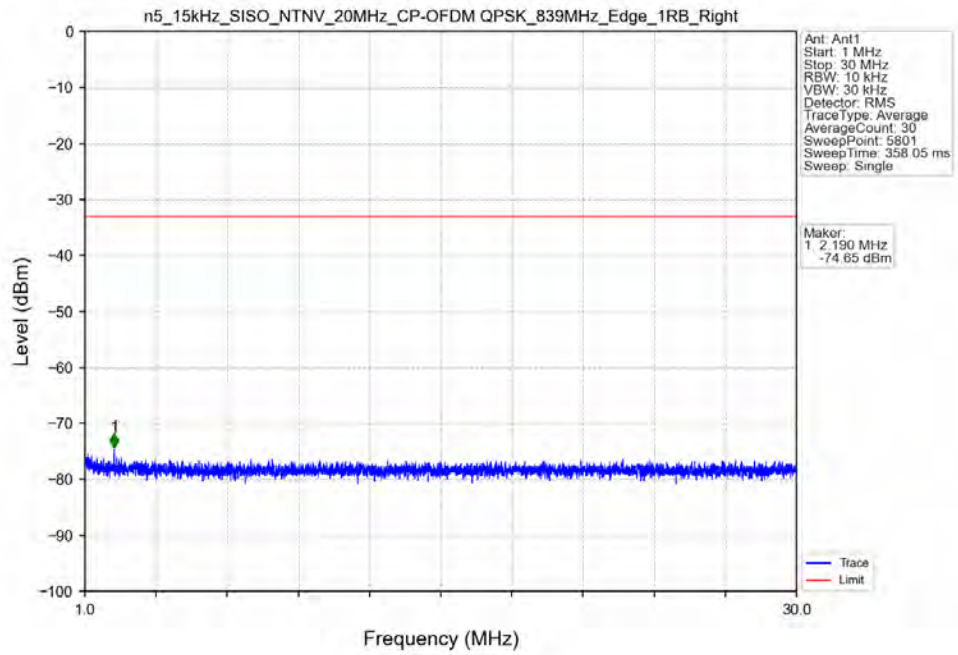

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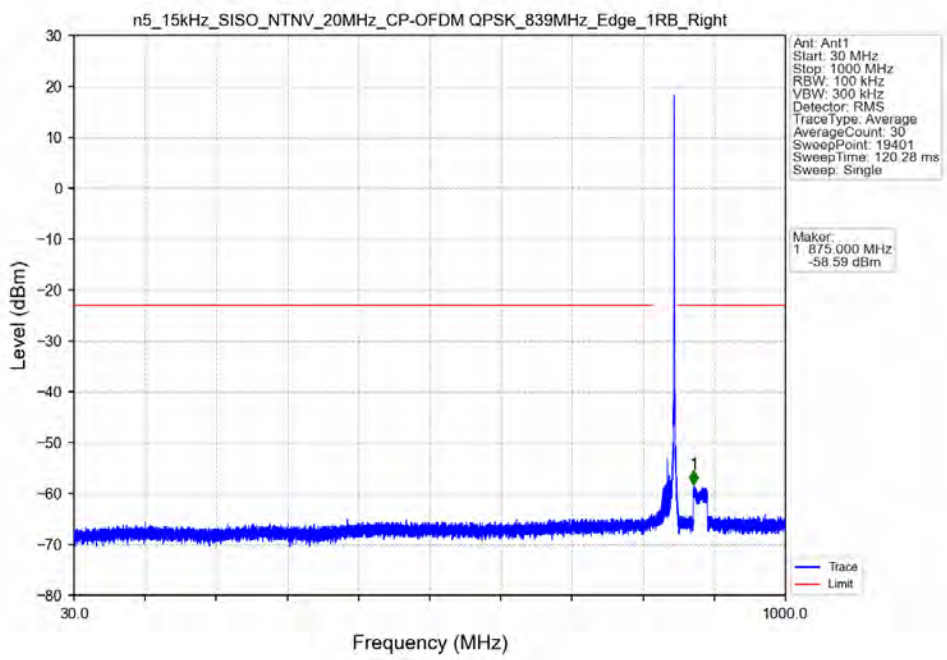

n5_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_839MHz_Edge_1RB_Right

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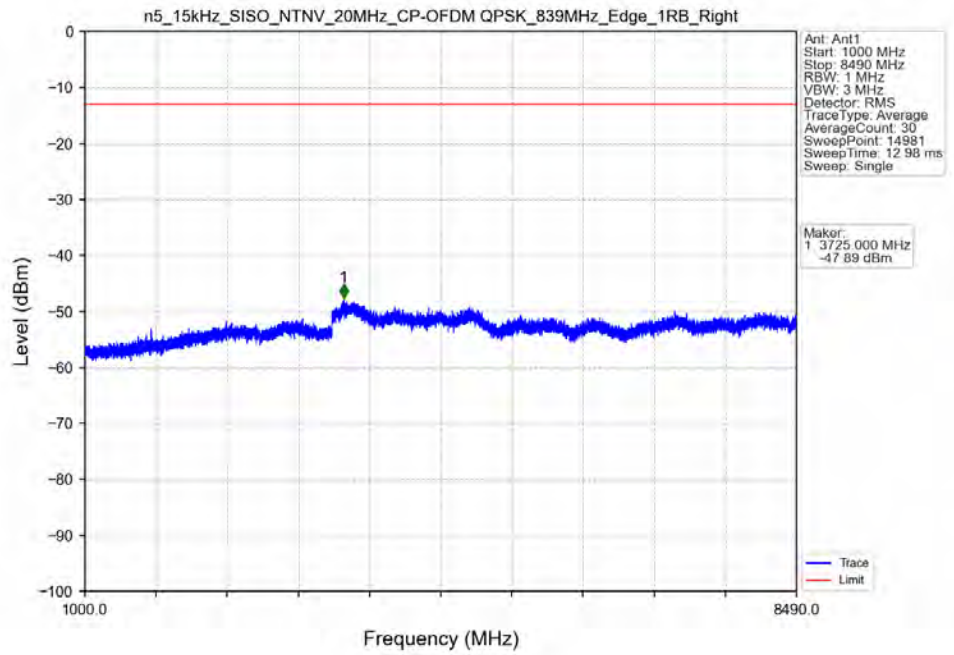

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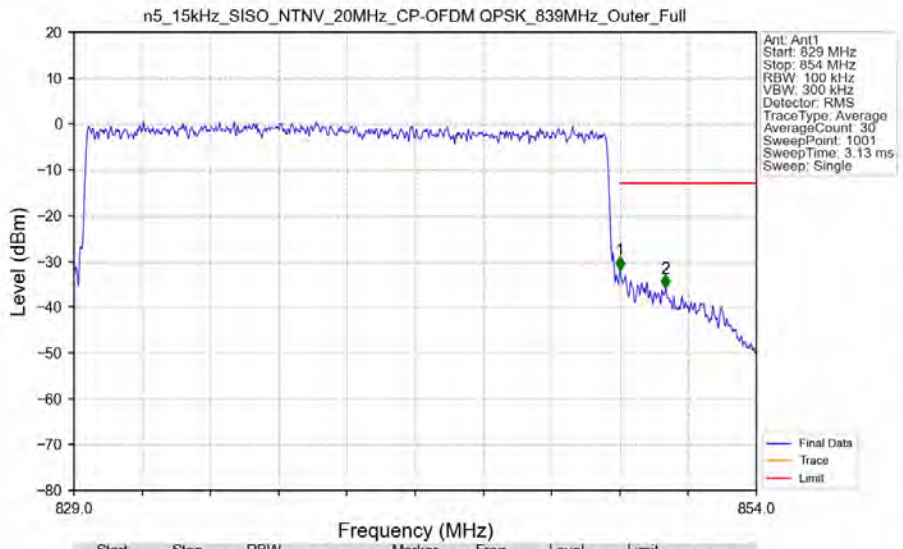

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
829	849	0.205	/	/	/	/	/	/
849	850	0.205	/	1	849.000	-31.96	-13	Pass
850	854	0.1	/	2	850.675	-35.87	-13	Pass

n5_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_839MHz_Inner_1RB_Right

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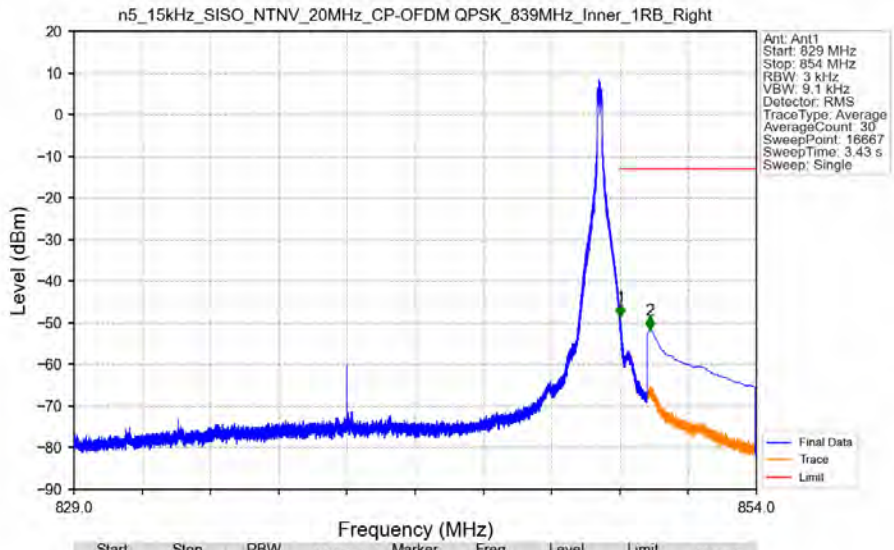

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
829	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.008	-48.64	-13	Pass
850	854	0.1	CHP	2	850.109	-51.82	-13	Pass

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6. Field Strength of Spurious Radiation

NR Band 5-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1650	-68.08	-13	-55.08	-71.965	2	5.88	Horizontal	Pass
2475	-60.5	-13	-47.5	-60.62	2.35	4.62	Horizontal	Pass
3300	-57.59	-13	-44.59	-59.4	2.96	6.92	Horizontal	Pass
1650	-67.42	-13	-54.42	-69.155	2	5.88	Vertical	Pass
2475	-58.66	-13	-45.66	-58.78	2.35	4.62	Vertical	Pass
3300	-58.11	-13	-45.11	-59.92	2.96	6.92	Vertical	Pass

NR Band 5-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1655	-67.81	-13	-54.81	-71.695	2	5.88	Horizontal	Pass
2482.5	-60.18	-13	-47.18	-60.3	2.35	4.62	Horizontal	Pass
3310	-57.78	-13	-44.78	-59.59	2.96	6.92	Horizontal	Pass
1655	-68.25	-13	-55.25	-69.985	2	5.88	Vertical	Pass
2482.5	-60.31	-13	-47.31	-60.43	2.35	4.62	Vertical	Pass
3310	-57.71	-13	-44.71	-59.52	2.96	6.92	Vertical	Pass

NR Band 5-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1660	-67.31	-13	-54.31	-71.195	2	5.88	Horizontal	Pass
2490	-60.87	-13	-47.87	-60.99	2.35	4.62	Horizontal	Pass
3320	-58.04	-13	-45.04	-59.85	2.96	6.92	Horizontal	Pass
1660	-66.55	-13	-53.55	-68.285	2	5.88	Vertical	Pass
2490	-61.73	-13	-48.73	-61.85	2.35	4.62	Vertical	Pass
3320	-57	-13	-44	-58.81	2.96	6.92	Vertical	Pass

---End of Attachment---

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