



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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Appendix B.8

LTE Band 5



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SGS-CSTC Standards Technical Services Co., Ltd.
 Shenzhen Branch Wireless Laboratory

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1. Effective (Isotropic) Radiated Power Output Data

Ant1

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	824.7	1	0	23.82	-4.20	17.47	<=38.45	Pass		
			2	23.82	-4.20	17.47	<=38.45	Pass		
			5	23.86	-4.20	17.51	<=38.45	Pass		
		3	0	23.87	-4.20	17.52	<=38.45	Pass		
			2	23.87	-4.20	17.52	<=38.45	Pass		
			3	23.85	-4.20	17.50	<=38.45	Pass		
		6	0	23.43	-4.20	17.08	<=38.45	Pass		
		836.5	1	0	23.99	-4.20	17.64	<=38.45	Pass	
				2	24.00	-4.20	17.65	<=38.45	Pass	
	5			24.01	-4.20	17.66	<=38.45	Pass		
	3		0	24.03	-4.20	17.68	<=38.45	Pass		
			2	24.06	-4.20	17.71	<=38.45	Pass		
			3	24.06	-4.20	17.71	<=38.45	Pass		
	6		0	23.50	-4.20	17.15	<=38.45	Pass		
	848.3		1	0	23.88	-4.20	17.53	<=38.45	Pass	
				2	23.86	-4.20	17.51	<=38.45	Pass	
		5		23.91	-4.20	17.56	<=38.45	Pass		
		3	0	24.03	-4.20	17.68	<=38.45	Pass		
			2	23.95	-4.20	17.60	<=38.45	Pass		
			3	23.96	-4.20	17.61	<=38.45	Pass		
		6	0	23.51	-4.20	17.16	<=38.45	Pass		
		16QAM	824.7	1	0	23.58	-4.20	17.23	<=38.45	Pass
					2	23.55	-4.20	17.20	<=38.45	Pass
	5				23.57	-4.20	17.22	<=38.45	Pass	
3	0			23.46	-4.20	17.11	<=38.45	Pass		
	2			23.34	-4.20	16.99	<=38.45	Pass		
	3			23.34	-4.20	16.99	<=38.45	Pass		
6	0		21.90	-4.20	15.55	<=38.45	Pass			
836.5	1		0	23.61	-4.20	17.26	<=38.45	Pass		
			2	23.56	-4.20	17.21	<=38.45	Pass		
			5	23.62	-4.20	17.27	<=38.45	Pass		
	3		0	23.57	-4.20	17.22	<=38.45	Pass		
			2	23.56	-4.20	17.21	<=38.45	Pass		
			3	23.56	-4.20	17.21	<=38.45	Pass		
	6		0	21.94	-4.20	15.59	<=38.45	Pass		
	848.3		1	0	23.54	-4.20	17.19	<=38.45	Pass	



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			2	23.42	-4.20	17.07	<=38.45	Pass
			5	23.54	-4.20	17.19	<=38.45	Pass
		3	0	23.69	-4.20	17.34	<=38.45	Pass
			2	23.71	-4.20	17.36	<=38.45	Pass
			3	23.71	-4.20	17.36	<=38.45	Pass
		6	0	21.99	-4.20	15.64	<=38.45	Pass
64QAM	824.7	1	0	22.98	-4.20	16.63	<=38.45	Pass
			2	22.95	-4.20	16.60	<=38.45	Pass
			5	22.93	-4.20	16.58	<=38.45	Pass
		3	0	23.11	-4.20	16.76	<=38.45	Pass
			2	23.09	-4.20	16.74	<=38.45	Pass
			3	23.09	-4.20	16.74	<=38.45	Pass
		6	0	22.08	-4.20	15.73	<=38.45	Pass
			0	22.89	-4.20	16.54	<=38.45	Pass
			2	22.81	-4.20	16.46	<=38.45	Pass
	836.5	3	0	22.96	-4.20	16.61	<=38.45	Pass
			2	22.95	-4.20	16.60	<=38.45	Pass
			3	22.95	-4.20	16.60	<=38.45	Pass
		6	0	22.04	-4.20	15.69	<=38.45	Pass
			0	23.41	-4.20	17.06	<=38.45	Pass
			2	23.39	-4.20	17.04	<=38.45	Pass
	848.3	1	5	23.39	-4.20	17.04	<=38.45	Pass
			0	23.21	-4.20	16.86	<=38.45	Pass
			2	23.26	-4.20	16.91	<=38.45	Pass
		3	3	23.25	-4.20	16.90	<=38.45	Pass
			0	21.98	-4.20	15.63	<=38.45	Pass



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1.2 B5_3MHz_ERP

1.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	825.5	1	0	23.87	-4.20	17.52	<=38.45	Pass		
			7	23.86	-4.20	17.51	<=38.45	Pass		
			14	23.83	-4.20	17.48	<=38.45	Pass		
		8	0	23.43	-4.20	17.08	<=38.45	Pass		
			4	23.40	-4.20	17.05	<=38.45	Pass		
			7	23.37	-4.20	17.02	<=38.45	Pass		
		15	0	23.41	-4.20	17.06	<=38.45	Pass		
		836.5	1	0	24.01	-4.20	17.66	<=38.45	Pass	
				7	23.98	-4.20	17.63	<=38.45	Pass	
	14			24.01	-4.20	17.66	<=38.45	Pass		
	8		0	23.50	-4.20	17.15	<=38.45	Pass		
			4	23.50	-4.20	17.15	<=38.45	Pass		
			7	23.48	-4.20	17.13	<=38.45	Pass		
	15		0	23.52	-4.20	17.17	<=38.45	Pass		
	847.5		1	0	23.98	-4.20	17.63	<=38.45	Pass	
				7	24.02	-4.20	17.67	<=38.45	Pass	
		14		24.00	-4.20	17.65	<=38.45	Pass		
		8	0	23.52	-4.20	17.17	<=38.45	Pass		
			4	23.52	-4.20	17.17	<=38.45	Pass		
			7	23.49	-4.20	17.14	<=38.45	Pass		
		15	0	23.52	-4.20	17.17	<=38.45	Pass		
		16QAM	825.5	1	0	23.56	-4.20	17.21	<=38.45	Pass
					7	23.52	-4.20	17.17	<=38.45	Pass
	14				23.49	-4.20	17.14	<=38.45	Pass	
8	0			21.88	-4.20	15.53	<=38.45	Pass		
	4			21.85	-4.20	15.50	<=38.45	Pass		
	7			21.85	-4.20	15.50	<=38.45	Pass		
15	0			21.84	-4.20	15.49	<=38.45	Pass		
836.5	1			0	23.58	-4.20	17.23	<=38.45	Pass	
				7	23.55	-4.20	17.20	<=38.45	Pass	
			14	23.52	-4.20	17.17	<=38.45	Pass		
	8		0	22.11	-4.20	15.76	<=38.45	Pass		
			4	22.06	-4.20	15.71	<=38.45	Pass		
			7	22.06	-4.20	15.71	<=38.45	Pass		
	15		0	22.01	-4.20	15.66	<=38.45	Pass		
	847.5		1	0	24.07	-4.20	17.72	<=38.45	Pass	
				7	23.94	-4.20	17.59	<=38.45	Pass	
14				23.87	-4.20	17.52	<=38.45	Pass		
8			0	22.18	-4.20	15.83	<=38.45	Pass		
			4	22.17	-4.20	15.82	<=38.45	Pass		
			7	22.14	-4.20	15.79	<=38.45	Pass		



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64QAM	825.5	15	0	22.08	-4.20	15.73	<=38.45	Pass	
			1	0	22.95	-4.20	16.60	<=38.45	Pass
				7	22.94	-4.20	16.59	<=38.45	Pass
		8	14	22.95	-4.20	16.60	<=38.45	Pass	
			0	21.85	-4.20	15.50	<=38.45	Pass	
			4	21.77	-4.20	15.42	<=38.45	Pass	
		15	7	21.77	-4.20	15.42	<=38.45	Pass	
			0	22.02	-4.20	15.67	<=38.45	Pass	
			1	0	22.90	-4.20	16.55	<=38.45	Pass
	7	22.89		-4.20	16.54	<=38.45	Pass		
	14	22.84		-4.20	16.49	<=38.45	Pass		
	836.5	8	0	22.04	-4.20	15.69	<=38.45	Pass	
			4	22.02	-4.20	15.67	<=38.45	Pass	
			7	21.98	-4.20	15.63	<=38.45	Pass	
	15	0	22.03	-4.20	15.68	<=38.45	Pass		
		1	0	23.22	-4.20	16.87	<=38.45	Pass	
			7	23.27	-4.20	16.92	<=38.45	Pass	
	14		23.22	-4.20	16.87	<=38.45	Pass		
	847.5	8	0	22.23	-4.20	15.88	<=38.45	Pass	
			4	22.19	-4.20	15.84	<=38.45	Pass	
			7	22.17	-4.20	15.82	<=38.45	Pass	
	15	0	21.99	-4.20	15.64	<=38.45	Pass		



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1.3 B5_5MHz_ERP

1.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTVN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	826.5	1	0	24.09	-4.20	17.74	<=38.45	Pass	
			13	24.08	-4.20	17.73	<=38.45	Pass	
			24	24.13	-4.20	17.78	<=38.45	Pass	
		12	0	23.56	-4.20	17.21	<=38.45	Pass	
			6	23.54	-4.20	17.19	<=38.45	Pass	
			13	23.53	-4.20	17.18	<=38.45	Pass	
		25	0	23.59	-4.20	17.24	<=38.45	Pass	
		836.5	1	0	24.24	-4.20	17.89	<=38.45	Pass
				13	24.15	-4.20	17.80	<=38.45	Pass
	24			24.15	-4.20	17.80	<=38.45	Pass	
	12		0	23.69	-4.20	17.34	<=38.45	Pass	
			6	23.68	-4.20	17.33	<=38.45	Pass	
			13	23.65	-4.20	17.30	<=38.45	Pass	
	25		0	23.70	-4.20	17.35	<=38.45	Pass	
	846.5		1	0	24.17	-4.20	17.82	<=38.45	Pass
				13	24.22	-4.20	17.87	<=38.45	Pass
		24		24.17	-4.20	17.82	<=38.45	Pass	
		12	0	23.65	-4.20	17.30	<=38.45	Pass	
			6	23.64	-4.20	17.29	<=38.45	Pass	
			13	23.62	-4.20	17.27	<=38.45	Pass	
	25	0	23.67	-4.20	17.32	<=38.45	Pass		
	16QAM	826.5	1	0	23.39	-4.20	17.04	<=38.45	Pass
				13	23.41	-4.20	17.06	<=38.45	Pass
				24	23.44	-4.20	17.09	<=38.45	Pass
12			0	22.09	-4.20	15.74	<=38.45	Pass	
			6	22.05	-4.20	15.70	<=38.45	Pass	
			13	22.04	-4.20	15.69	<=38.45	Pass	
25			0	22.08	-4.20	15.73	<=38.45	Pass	
836.5			1	0	23.94	-4.20	17.59	<=38.45	Pass
				13	23.88	-4.20	17.53	<=38.45	Pass
		24		23.86	-4.20	17.51	<=38.45	Pass	
		12	0	22.24	-4.20	15.89	<=38.45	Pass	
			6	22.21	-4.20	15.86	<=38.45	Pass	
			13	22.19	-4.20	15.84	<=38.45	Pass	
		25	0	22.18	-4.20	15.83	<=38.45	Pass	
		846.5	1	0	23.76	-4.20	17.41	<=38.45	Pass
				13	23.76	-4.20	17.41	<=38.45	Pass
24				23.74	-4.20	17.39	<=38.45	Pass	
12			0	22.16	-4.20	15.81	<=38.45	Pass	
			6	22.16	-4.20	15.81	<=38.45	Pass	
			13	22.14	-4.20	15.79	<=38.45	Pass	



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64QAM	826.5	25	0	22.18	-4.20	15.83	<=38.45	Pass	
			1	0	23.06	-4.20	16.71	<=38.45	Pass
				13	23.00	-4.20	16.65	<=38.45	Pass
		12	24	23.02	-4.20	16.67	<=38.45	Pass	
			0	0	22.06	-4.20	15.71	<=38.45	Pass
				6	22.01	-4.20	15.66	<=38.45	Pass
		25	13	21.99	-4.20	15.64	<=38.45	Pass	
			0	0	22.08	-4.20	15.73	<=38.45	Pass
				0	23.33	-4.20	16.98	<=38.45	Pass
	836.5	1	13	23.28	-4.20	16.93	<=38.45	Pass	
			24	23.26	-4.20	16.91	<=38.45	Pass	
			0	0	22.21	-4.20	15.86	<=38.45	Pass
		12		6	22.19	-4.20	15.84	<=38.45	Pass
				13	22.17	-4.20	15.82	<=38.45	Pass
		25	0	22.21	-4.20	15.86	<=38.45	Pass	
		846.5	1	0	23.37	-4.20	17.02	<=38.45	Pass
				13	23.33	-4.20	16.98	<=38.45	Pass
				24	23.37	-4.20	17.02	<=38.45	Pass
	12		0	22.30	-4.20	15.95	<=38.45	Pass	
			6	22.27	-4.20	15.92	<=38.45	Pass	
			13	22.30	-4.20	15.95	<=38.45	Pass	
	25		0	22.17	-4.20	15.82	<=38.45	Pass	



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1.4 B5_10MHz_ERP

1.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	829	1	0	24.09	-4.20	17.74	<=38.45	Pass	
			25	24.05	-4.20	17.70	<=38.45	Pass	
			49	24.09	-4.20	17.74	<=38.45	Pass	
		25	0	23.58	-4.20	17.23	<=38.45	Pass	
			13	23.57	-4.20	17.22	<=38.45	Pass	
			25	23.62	-4.20	17.27	<=38.45	Pass	
		50	0	23.57	-4.20	17.22	<=38.45	Pass	
			1	0	24.11	-4.20	17.76	<=38.45	Pass
				25	24.16	-4.20	17.81	<=38.45	Pass
	49	24.16		-4.20	17.81	<=38.45	Pass		
	836.5	25	0	23.70	-4.20	17.35	<=38.45	Pass	
			13	23.70	-4.20	17.35	<=38.45	Pass	
			25	23.70	-4.20	17.35	<=38.45	Pass	
		50	0	23.70	-4.20	17.35	<=38.45	Pass	
			1	0	24.22	-4.20	17.87	<=38.45	Pass
				25	24.14	-4.20	17.79	<=38.45	Pass
	49	24.16		-4.20	17.81	<=38.45	Pass		
	844	25	0	23.74	-4.20	17.39	<=38.45	Pass	
			13	23.69	-4.20	17.34	<=38.45	Pass	
			25	23.68	-4.20	17.33	<=38.45	Pass	
		50	0	23.69	-4.20	17.34	<=38.45	Pass	
			1	0	24.05	-4.20	17.70	<=38.45	Pass
				25	24.01	-4.20	17.66	<=38.45	Pass
	49	24.06		-4.20	17.71	<=38.45	Pass		
16QAM	829	25	0	22.11	-4.20	15.76	<=38.45	Pass	
			13	22.11	-4.20	15.76	<=38.45	Pass	
			25	22.15	-4.20	15.80	<=38.45	Pass	
		50	0	22.07	-4.20	15.72	<=38.45	Pass	
			1	0	23.83	-4.20	17.48	<=38.45	Pass
				25	23.89	-4.20	17.54	<=38.45	Pass
	49	23.87		-4.20	17.52	<=38.45	Pass		
	836.5	25	0	22.20	-4.20	15.85	<=38.45	Pass	
			13	22.21	-4.20	15.86	<=38.45	Pass	
			25	22.23	-4.20	15.88	<=38.45	Pass	
		50	0	22.21	-4.20	15.86	<=38.45	Pass	
			1	0	23.73	-4.20	17.38	<=38.45	Pass
				25	23.70	-4.20	17.35	<=38.45	Pass
	49	23.73		-4.20	17.38	<=38.45	Pass		
	844	25	0	22.31	-4.20	15.96	<=38.45	Pass	
			13	22.25	-4.20	15.90	<=38.45	Pass	
			25	22.25	-4.20	15.90	<=38.45	Pass	



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64QAM	829	50	0	22.19	-4.20	15.84	<=38.45	Pass	
			1	0	23.31	-4.20	16.96	<=38.45	Pass
				25	23.27	-4.20	16.92	<=38.45	Pass
		25	49	23.34	-4.20	16.99	<=38.45	Pass	
			0	0	22.11	-4.20	15.76	<=38.45	Pass
				13	22.10	-4.20	15.75	<=38.45	Pass
		50	25	22.14	-4.20	15.79	<=38.45	Pass	
			0	0	22.11	-4.20	15.76	<=38.45	Pass
				1	0	23.23	-4.20	16.88	<=38.45
	25	23.23			-4.20	16.88	<=38.45	Pass	
	836.5	1	49	23.27	-4.20	16.92	<=38.45	Pass	
			25	0	22.29	-4.20	15.94	<=38.45	Pass
				13	22.28	-4.20	15.93	<=38.45	Pass
		50	25	22.29	-4.20	15.94	<=38.45	Pass	
			0	0	22.23	-4.20	15.88	<=38.45	Pass
				25	22.23	-4.20	15.88	<=38.45	Pass
	844	1	49	23.00	-4.20	16.65	<=38.45	Pass	
			25	0	22.29	-4.20	15.94	<=38.45	Pass
				13	22.23	-4.20	15.88	<=38.45	Pass
		50	25	22.24	-4.20	15.89	<=38.45	Pass	
			0	0	22.20	-4.20	15.85	<=38.45	Pass
				25	22.20	-4.20	15.85	<=38.45	Pass



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2. Frequency Stability

2.1 B5_1.4MHz

2.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	824.7	6	0	20	3.91	-4.848	-0.0059	-2.5 to 2.5	Pass	
					3.5	-4.257	-0.0052	-2.5 to 2.5	Pass	
					4.5	-5.740	-0.0070	-2.5 to 2.5	Pass	
				-30	3.91	-5.104	-0.0062	-2.5 to 2.5	Pass	
					-20	3.91	-5.817	-0.0071	-2.5 to 2.5	Pass
					-10	3.91	-4.178	-0.0051	-2.5 to 2.5	Pass
				0	3.91	-4.805	-0.0058	-2.5 to 2.5	Pass	
					10	3.91	-0.707	-0.0009	-2.5 to 2.5	Pass
					30	3.91	-5.778	-0.0070	-2.5 to 2.5	Pass
	40	3.91	-3.201		-0.0039	-2.5 to 2.5	Pass			
	50	3.91	-2.996		-0.0036	-2.5 to 2.5	Pass			
	20	3.91	-1.604		-0.0019	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.91	-1.604	-0.0019	-2.5 to 2.5	Pass	
					3.5	-5.562	-0.0066	-2.5 to 2.5	Pass	
					4.5	-4.025	-0.0048	-2.5 to 2.5	Pass	
				-30	3.91	-5.268	-0.0063	-2.5 to 2.5	Pass	
					-20	3.91	-0.656	-0.0008	-2.5 to 2.5	Pass
					-10	3.91	-4.853	-0.0058	-2.5 to 2.5	Pass
				0	3.91	-4.654	-0.0056	-2.5 to 2.5	Pass	
					10	3.91	-5.632	-0.0067	-2.5 to 2.5	Pass
					30	3.91	-7.288	-0.0087	-2.5 to 2.5	Pass
	40	3.91	-2.721		-0.0033	-2.5 to 2.5	Pass			
	50	3.91	-6.347		-0.0076	-2.5 to 2.5	Pass			
	20	3.91	0.240		0.0003	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.91	0.240	0.0003	-2.5 to 2.5	Pass	
					3.5	-2.687	-0.0032	-2.5 to 2.5	Pass	
					4.5	-3.758	-0.0044	-2.5 to 2.5	Pass	
-30				3.91	-3.525	-0.0042	-2.5 to 2.5	Pass		
				-20	3.91	-5.500	-0.0065	-2.5 to 2.5	Pass	
				-10	3.91	-1.569	-0.0018	-2.5 to 2.5	Pass	
0				3.91	-4.152	-0.0049	-2.5 to 2.5	Pass		
				10	3.91	-1.342	-0.0016	-2.5 to 2.5	Pass	
				30	3.91	-3.195	-0.0038	-2.5 to 2.5	Pass	
	40	3.91	-0.712	-0.0008	-2.5 to 2.5	Pass				
	50	3.91	-4.648	-0.0055	-2.5 to 2.5	Pass				
	20	3.91	-5.967	-0.0072	-2.5 to 2.5	Pass				
16QAM	824.7	6	0	20	3.91	-5.967	-0.0072	-2.5 to 2.5	Pass	
					3.5	-1.948	-0.0024	-2.5 to 2.5	Pass	
					4.5	-3.102	-0.0038	-2.5 to 2.5	Pass	
				-30	3.91	-6.971	-0.0085	-2.5 to 2.5	Pass	
				-20	3.91	-2.990	-0.0036	-2.5 to 2.5	Pass	
-10	3.91	-0.492	-0.0006	-2.5 to 2.5	Pass					



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64QAM	836.5	6	0	0	3.91	-5.338	-0.0065	-2.5 to 2.5	Pass
				10	3.91	-4.602	-0.0056	-2.5 to 2.5	Pass
				30	3.91	-6.908	-0.0084	-2.5 to 2.5	Pass
				40	3.91	-1.941	-0.0024	-2.5 to 2.5	Pass
				50	3.91	-5.356	-0.0065	-2.5 to 2.5	Pass
	836.5	6	0	20	3.91	-4.430	-0.0053	-2.5 to 2.5	Pass
					3.5	-2.694	-0.0032	-2.5 to 2.5	Pass
					4.5	-5.240	-0.0063	-2.5 to 2.5	Pass
				-30	3.91	-2.808	-0.0034	-2.5 to 2.5	Pass
				-20	3.91	-3.451	-0.0041	-2.5 to 2.5	Pass
				-10	3.91	-4.618	-0.0055	-2.5 to 2.5	Pass
				0	3.91	-5.750	-0.0069	-2.5 to 2.5	Pass
				10	3.91	-6.856	-0.0082	-2.5 to 2.5	Pass
				30	3.91	-3.720	-0.0044	-2.5 to 2.5	Pass
				40	3.91	-3.270	-0.0039	-2.5 to 2.5	Pass
	50	3.91	-7.171	-0.0086	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.91	-1.293	-0.0015	-2.5 to 2.5	Pass
					3.5	-4.871	-0.0057	-2.5 to 2.5	Pass
					4.5	-4.003	-0.0047	-2.5 to 2.5	Pass
				-30	3.91	-4.562	-0.0054	-2.5 to 2.5	Pass
				-20	3.91	-0.221	-0.0003	-2.5 to 2.5	Pass
				-10	3.91	-1.841	-0.0022	-2.5 to 2.5	Pass
				0	3.91	-0.179	-0.0002	-2.5 to 2.5	Pass
				10	3.91	-0.726	-0.0009	-2.5 to 2.5	Pass
				30	3.91	-0.622	-0.0007	-2.5 to 2.5	Pass
				40	3.91	-4.609	-0.0054	-2.5 to 2.5	Pass
	50	3.91	-4.022	-0.0047	-2.5 to 2.5	Pass			
	824.7	6	0	20	3.91	-5.027	-0.0061	-2.5 to 2.5	Pass
					3.5	-5.291	-0.0064	-2.5 to 2.5	Pass
					4.5	-4.988	-0.0060	-2.5 to 2.5	Pass
-30				3.91	-4.768	-0.0058	-2.5 to 2.5	Pass	
-20				3.91	-5.248	-0.0064	-2.5 to 2.5	Pass	
-10				3.91	-5.266	-0.0064	-2.5 to 2.5	Pass	
0				3.91	-1.115	-0.0014	-2.5 to 2.5	Pass	
10				3.91	-3.200	-0.0039	-2.5 to 2.5	Pass	
30				3.91	-3.307	-0.0040	-2.5 to 2.5	Pass	
40				3.91	-2.492	-0.0030	-2.5 to 2.5	Pass	
50	3.91	-4.879	-0.0059	-2.5 to 2.5	Pass				
836.5	6	0	20	3.91	-2.537	-0.0030	-2.5 to 2.5	Pass	
				3.5	-6.188	-0.0074	-2.5 to 2.5	Pass	
				4.5	-2.656	-0.0032	-2.5 to 2.5	Pass	
			-30	3.91	-6.155	-0.0074	-2.5 to 2.5	Pass	
			-20	3.91	-4.689	-0.0056	-2.5 to 2.5	Pass	
			-10	3.91	-7.107	-0.0085	-2.5 to 2.5	Pass	
			0	3.91	-5.436	-0.0065	-2.5 to 2.5	Pass	
			10	3.91	-6.549	-0.0078	-2.5 to 2.5	Pass	
			30	3.91	-4.914	-0.0059	-2.5 to 2.5	Pass	
			40	3.91	-5.395	-0.0064	-2.5 to 2.5	Pass	
50	3.91	-4.438	-0.0053	-2.5 to 2.5	Pass				



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848.3	6	0	20	3.91	-3.731	-0.0044	-2.5 to 2.5	Pass
				3.5	-4.344	-0.0051	-2.5 to 2.5	Pass
				4.5	-4.984	-0.0059	-2.5 to 2.5	Pass
			-30	3.91	0.119	0.0001	-2.5 to 2.5	Pass
			-20	3.91	-4.515	-0.0053	-2.5 to 2.5	Pass
			-10	3.91	-4.620	-0.0054	-2.5 to 2.5	Pass
			0	3.91	-2.782	-0.0033	-2.5 to 2.5	Pass
			10	3.91	-2.961	-0.0035	-2.5 to 2.5	Pass
			30	3.91	-5.585	-0.0066	-2.5 to 2.5	Pass
			40	3.91	-5.013	-0.0059	-2.5 to 2.5	Pass
50	3.91	-0.661	-0.0008	-2.5 to 2.5	Pass			



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2.2 B5_3MHz

2.2.1 Test Result

Band: 5 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	825.5	15	0	20	3.91	1.652	0.0020	-2.5 to 2.5	Pass	
					3.5	-5.098	-0.0062	-2.5 to 2.5	Pass	
					4.5	-2.933	-0.0036	-2.5 to 2.5	Pass	
				-30	3.91	-4.668	-0.0057	-2.5 to 2.5	Pass	
					-20	3.91	-1.437	-0.0017	-2.5 to 2.5	Pass
					-10	3.91	-3.202	-0.0039	-2.5 to 2.5	Pass
				0	3.91	-0.888	-0.0011	-2.5 to 2.5	Pass	
					10	3.91	-3.666	-0.0044	-2.5 to 2.5	Pass
					30	3.91	-3.735	-0.0045	-2.5 to 2.5	Pass
				40	3.91	-2.329	-0.0028	-2.5 to 2.5	Pass	
	50	3.91	-2.645		-0.0032	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.91	0.029	0.0000	-2.5 to 2.5	Pass	
					3.5	-3.734	-0.0045	-2.5 to 2.5	Pass	
					4.5	-4.863	-0.0058	-2.5 to 2.5	Pass	
				-30	3.91	-6.352	-0.0076	-2.5 to 2.5	Pass	
					-20	3.91	-4.160	-0.0050	-2.5 to 2.5	Pass
					-10	3.91	-5.590	-0.0067	-2.5 to 2.5	Pass
				0	3.91	-3.126	-0.0037	-2.5 to 2.5	Pass	
					10	3.91	-2.058	-0.0025	-2.5 to 2.5	Pass
					30	3.91	-3.608	-0.0043	-2.5 to 2.5	Pass
				40	3.91	-5.067	-0.0061	-2.5 to 2.5	Pass	
	50	3.91	-3.346		-0.0040	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.91	0.117	0.0001	-2.5 to 2.5	Pass	
					3.5	-4.331	-0.0051	-2.5 to 2.5	Pass	
					4.5	-0.555	-0.0007	-2.5 to 2.5	Pass	
				-30	3.91	-2.290	-0.0027	-2.5 to 2.5	Pass	
					-20	3.91	-2.795	-0.0033	-2.5 to 2.5	Pass
					-10	3.91	-0.790	-0.0009	-2.5 to 2.5	Pass
				0	3.91	-1.550	-0.0018	-2.5 to 2.5	Pass	
					10	3.91	-0.802	-0.0009	-2.5 to 2.5	Pass
30					3.91	-1.228	-0.0014	-2.5 to 2.5	Pass	
40				3.91	-0.939	-0.0011	-2.5 to 2.5	Pass		
	50	3.91	-0.671	-0.0008	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.91	-6.829	-0.0083	-2.5 to 2.5	Pass	
					3.5	-1.620	-0.0020	-2.5 to 2.5	Pass	
					4.5	-5.067	-0.0061	-2.5 to 2.5	Pass	
				-30	3.91	0.068	0.0001	-2.5 to 2.5	Pass	
					-20	3.91	1.658	0.0020	-2.5 to 2.5	Pass
					-10	3.91	-0.507	-0.0006	-2.5 to 2.5	Pass
				0	3.91	-0.460	-0.0006	-2.5 to 2.5	Pass	
10	3.91	-1.924	-0.0023		-2.5 to 2.5	Pass				



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64QAM	836.5	15	0	30	3.91	-1.105	-0.0013	-2.5 to 2.5	Pass
				40	3.91	-2.191	-0.0027	-2.5 to 2.5	Pass
				50	3.91	-0.271	-0.0003	-2.5 to 2.5	Pass
				20	3.91	-2.621	-0.0031	-2.5 to 2.5	Pass
					3.5	-1.891	-0.0023	-2.5 to 2.5	Pass
					4.5	-8.851	-0.0106	-2.5 to 2.5	Pass
				-30	3.91	-3.734	-0.0045	-2.5 to 2.5	Pass
				-20	3.91	0.997	0.0012	-2.5 to 2.5	Pass
				-10	3.91	-3.552	-0.0042	-2.5 to 2.5	Pass
				0	3.91	-2.704	-0.0032	-2.5 to 2.5	Pass
	10	3.91	-1.935	-0.0023	-2.5 to 2.5	Pass			
	30	3.91	-3.306	-0.0040	-2.5 to 2.5	Pass			
	40	3.91	-3.705	-0.0044	-2.5 to 2.5	Pass			
	50	3.91	-4.966	-0.0059	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.91	-0.813	-0.0010	-2.5 to 2.5	Pass
					3.5	-4.749	-0.0056	-2.5 to 2.5	Pass
					4.5	-0.232	-0.0003	-2.5 to 2.5	Pass
				-30	3.91	-3.202	-0.0038	-2.5 to 2.5	Pass
				-20	3.91	0.616	0.0007	-2.5 to 2.5	Pass
				-10	3.91	-1.615	-0.0019	-2.5 to 2.5	Pass
0				3.91	-6.109	-0.0072	-2.5 to 2.5	Pass	
10				3.91	-0.661	-0.0008	-2.5 to 2.5	Pass	
30				3.91	-2.910	-0.0034	-2.5 to 2.5	Pass	
40				3.91	-1.888	-0.0022	-2.5 to 2.5	Pass	
50	3.91	-2.582	-0.0030	-2.5 to 2.5	Pass				
825.5	15	0	20	3.91	0.423	0.0005	-2.5 to 2.5	Pass	
				3.5	-3.241	-0.0039	-2.5 to 2.5	Pass	
				4.5	-0.315	-0.0004	-2.5 to 2.5	Pass	
			-30	3.91	0.353	0.0004	-2.5 to 2.5	Pass	
			-20	3.91	-3.971	-0.0048	-2.5 to 2.5	Pass	
			-10	3.91	0.563	0.0007	-2.5 to 2.5	Pass	
			0	3.91	-2.780	-0.0034	-2.5 to 2.5	Pass	
			10	3.91	-6.735	-0.0082	-2.5 to 2.5	Pass	
			30	3.91	1.141	0.0014	-2.5 to 2.5	Pass	
			40	3.91	-0.343	-0.0004	-2.5 to 2.5	Pass	
	50	3.91	-0.662	-0.0008	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.91	-5.675	-0.0068	-2.5 to 2.5	Pass
					3.5	-5.255	-0.0063	-2.5 to 2.5	Pass
					4.5	-1.512	-0.0018	-2.5 to 2.5	Pass
				-30	3.91	-3.879	-0.0046	-2.5 to 2.5	Pass
				-20	3.91	-5.610	-0.0067	-2.5 to 2.5	Pass
				-10	3.91	-3.625	-0.0043	-2.5 to 2.5	Pass
				0	3.91	-6.325	-0.0076	-2.5 to 2.5	Pass
10				3.91	-3.280	-0.0039	-2.5 to 2.5	Pass	
30	3.91	-4.541	-0.0054	-2.5 to 2.5	Pass				
40	3.91	-4.313	-0.0052	-2.5 to 2.5	Pass				
50	3.91	-5.161	-0.0062	-2.5 to 2.5	Pass				
847.5	15	0	20	3.91	-5.406	-0.0064	-2.5 to 2.5	Pass	
				3.5	-1.098	-0.0013	-2.5 to 2.5	Pass	



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				4.5	-4.930	-0.0058	-2.5 to 2.5	Pass
				-30	3.91	-1.177	-0.0014	-2.5 to 2.5
				-20	3.91	-3.972	-0.0047	-2.5 to 2.5
				-10	3.91	-1.578	-0.0019	-2.5 to 2.5
				0	3.91	-0.084	-0.0001	-2.5 to 2.5
				10	3.91	-1.180	-0.0014	-2.5 to 2.5
				30	3.91	-1.144	-0.0013	-2.5 to 2.5
				40	3.91	-5.480	-0.0065	-2.5 to 2.5
				50	3.91	-3.724	-0.0044	-2.5 to 2.5



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2.3 B5_5MHz

2.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.91	-2.287	-0.0028	-2.5 to 2.5	Pass
					3.5	-5.921	-0.0072	-2.5 to 2.5	Pass
					4.5	-3.361	-0.0041	-2.5 to 2.5	Pass
				-30	3.91	-4.876	-0.0059	-2.5 to 2.5	Pass
					3.91	-5.236	-0.0063	-2.5 to 2.5	Pass
					3.91	-4.288	-0.0052	-2.5 to 2.5	Pass
				-10	3.91	-5.488	-0.0066	-2.5 to 2.5	Pass
					3.91	-3.758	-0.0045	-2.5 to 2.5	Pass
					3.91	-2.118	-0.0026	-2.5 to 2.5	Pass
				0	3.91	-3.513	-0.0043	-2.5 to 2.5	Pass
	3.91	-5.761	-0.0070		-2.5 to 2.5	Pass			
	3.91	-0.319	-0.0004		-2.5 to 2.5	Pass			
	836.5	25	0	20	3.5	-1.868	-0.0022	-2.5 to 2.5	Pass
					4.5	-0.799	-0.0010	-2.5 to 2.5	Pass
					3.91	-5.217	-0.0062	-2.5 to 2.5	Pass
				-30	3.91	-1.121	-0.0013	-2.5 to 2.5	Pass
					3.91	-4.348	-0.0052	-2.5 to 2.5	Pass
					3.91	-1.524	-0.0018	-2.5 to 2.5	Pass
				-10	3.91	-2.016	-0.0024	-2.5 to 2.5	Pass
					3.91	0.760	0.0009	-2.5 to 2.5	Pass
					3.91	-4.062	-0.0049	-2.5 to 2.5	Pass
				0	3.91	-1.062	-0.0013	-2.5 to 2.5	Pass
	3.91	-2.521	-0.0030		-2.5 to 2.5	Pass			
	3.91	-1.014	-0.0012		-2.5 to 2.5	Pass			
	846.5	25	0	20	4.5	-3.617	-0.0043	-2.5 to 2.5	Pass
					3.91	-2.271	-0.0027	-2.5 to 2.5	Pass
					3.91	-0.697	-0.0008	-2.5 to 2.5	Pass
				-30	3.91	-1.880	-0.0022	-2.5 to 2.5	Pass
					3.91	-1.154	-0.0014	-2.5 to 2.5	Pass
					3.91	-1.374	-0.0016	-2.5 to 2.5	Pass
-20				3.91	-1.100	-0.0013	-2.5 to 2.5	Pass	
				3.91	-2.748	-0.0032	-2.5 to 2.5	Pass	
				3.91	0.585	0.0007	-2.5 to 2.5	Pass	
-10				3.91	-7.829	-0.0095	-2.5 to 2.5	Pass	
	3.91	-3.770	-0.0046	-2.5 to 2.5	Pass				
	3.91	-3.423	-0.0041	-2.5 to 2.5	Pass				
16QAM	826.5	25	0	20	3.91	2.009	0.0024	-2.5 to 2.5	Pass
					3.91	-5.255	-0.0064	-2.5 to 2.5	Pass
					3.91	-3.085	-0.0037	-2.5 to 2.5	Pass
				-30	3.91	-4.508	-0.0055	-2.5 to 2.5	Pass
					3.91	-4.438	-0.0054	-2.5 to 2.5	Pass



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64QAM	836.5	25	0	30	3.91	-3.712	-0.0045	-2.5 to 2.5	Pass
				40	3.91	-4.809	-0.0058	-2.5 to 2.5	Pass
				50	3.91	-4.666	-0.0056	-2.5 to 2.5	Pass
				20	3.91	-2.619	-0.0031	-2.5 to 2.5	Pass
					3.5	-5.954	-0.0071	-2.5 to 2.5	Pass
					4.5	-2.370	-0.0028	-2.5 to 2.5	Pass
				-30	3.91	-4.934	-0.0059	-2.5 to 2.5	Pass
				-20	3.91	-2.662	-0.0032	-2.5 to 2.5	Pass
				-10	3.91	-3.200	-0.0038	-2.5 to 2.5	Pass
				0	3.91	-4.626	-0.0055	-2.5 to 2.5	Pass
	10	3.91	-3.859	-0.0046	-2.5 to 2.5	Pass			
	30	3.91	-1.242	-0.0015	-2.5 to 2.5	Pass			
	40	3.91	-5.130	-0.0061	-2.5 to 2.5	Pass			
	50	3.91	-5.808	-0.0069	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.91	-1.209	-0.0014	-2.5 to 2.5	Pass
					3.5	-0.461	-0.0005	-2.5 to 2.5	Pass
					4.5	-1.199	-0.0014	-2.5 to 2.5	Pass
				-30	3.91	-1.114	-0.0013	-2.5 to 2.5	Pass
				-20	3.91	-1.992	-0.0024	-2.5 to 2.5	Pass
				-10	3.91	-1.512	-0.0018	-2.5 to 2.5	Pass
0				3.91	-3.716	-0.0044	-2.5 to 2.5	Pass	
10				3.91	-0.499	-0.0006	-2.5 to 2.5	Pass	
30				3.91	-1.862	-0.0022	-2.5 to 2.5	Pass	
40				3.91	-0.372	-0.0004	-2.5 to 2.5	Pass	
50	3.91	-1.440	-0.0017	-2.5 to 2.5	Pass				
826.5	25	0	20	3.91	-3.286	-0.0040	-2.5 to 2.5	Pass	
				3.5	-5.414	-0.0066	-2.5 to 2.5	Pass	
				4.5	-3.768	-0.0046	-2.5 to 2.5	Pass	
			-30	3.91	-2.645	-0.0032	-2.5 to 2.5	Pass	
			-20	3.91	-4.798	-0.0058	-2.5 to 2.5	Pass	
			-10	3.91	-5.625	-0.0068	-2.5 to 2.5	Pass	
			0	3.91	-4.670	-0.0057	-2.5 to 2.5	Pass	
			10	3.91	-1.710	-0.0021	-2.5 to 2.5	Pass	
			30	3.91	-2.937	-0.0036	-2.5 to 2.5	Pass	
			40	3.91	-1.884	-0.0023	-2.5 to 2.5	Pass	
	50	3.91	-0.563	-0.0007	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.91	-2.982	-0.0036	-2.5 to 2.5	Pass
					3.5	-3.713	-0.0044	-2.5 to 2.5	Pass
					4.5	-3.962	-0.0047	-2.5 to 2.5	Pass
				-30	3.91	-0.695	-0.0008	-2.5 to 2.5	Pass
				-20	3.91	-2.708	-0.0032	-2.5 to 2.5	Pass
				-10	3.91	-1.084	-0.0013	-2.5 to 2.5	Pass
				0	3.91	-0.589	-0.0007	-2.5 to 2.5	Pass
10				3.91	0.756	0.0009	-2.5 to 2.5	Pass	
30	3.91	-2.095	-0.0025	-2.5 to 2.5	Pass				
40	3.91	0.341	0.0004	-2.5 to 2.5	Pass				
50	3.91	-1.558	-0.0019	-2.5 to 2.5	Pass				
846.5	25	0	20	3.91	-0.196	-0.0002	-2.5 to 2.5	Pass	
				3.5	-4.452	-0.0053	-2.5 to 2.5	Pass	



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				4.5	-0.164	-0.0002	-2.5 to 2.5	Pass
				-30	3.91	-3.042	-0.0036	-2.5 to 2.5
				-20	3.91	1.460	0.0017	-2.5 to 2.5
				-10	3.91	-2.088	-0.0025	-2.5 to 2.5
				0	3.91	-1.925	-0.0023	-2.5 to 2.5
				10	3.91	-1.973	-0.0023	-2.5 to 2.5
				30	3.91	0.214	0.0003	-2.5 to 2.5
				40	3.91	-0.065	-0.0001	-2.5 to 2.5
				50	3.91	-3.313	-0.0039	-2.5 to 2.5



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2.4 B5_10MHz

2.4.1 Test Result

Band: 5 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	829	50	0	20	3.91	0.767	0.0009	-2.5 to 2.5	Pass	
					3.5	-2.023	-0.0024	-2.5 to 2.5	Pass	
					4.5	-1.053	-0.0013	-2.5 to 2.5	Pass	
				-30	3.91	-2.432	-0.0029	-2.5 to 2.5	Pass	
					-20	3.91	-2.557	-0.0031	-2.5 to 2.5	Pass
					-10	3.91	-1.641	-0.0020	-2.5 to 2.5	Pass
				0	0	3.91	-2.746	-0.0033	-2.5 to 2.5	Pass
					10	3.91	-0.004	0.0000	-2.5 to 2.5	Pass
					30	3.91	-5.949	-0.0072	-2.5 to 2.5	Pass
	50	40	3.91	-4.103	-0.0049	-2.5 to 2.5	Pass			
		50	3.91	-0.485	-0.0006	-2.5 to 2.5	Pass			
		20	3.91	-2.465	-0.0029	-2.5 to 2.5	Pass			
	3.5		-3.483	-0.0042	-2.5 to 2.5	Pass				
	4.5		-2.689	-0.0032	-2.5 to 2.5	Pass				
	-30	3.91	-4.489	-0.0054	-2.5 to 2.5	Pass				
		-20	3.91	-2.555	-0.0031	-2.5 to 2.5	Pass			
		-10	3.91	-3.222	-0.0039	-2.5 to 2.5	Pass			
	0	0	3.91	-4.593	-0.0055	-2.5 to 2.5	Pass			
		10	3.91	-4.841	-0.0058	-2.5 to 2.5	Pass			
		30	3.91	-2.315	-0.0028	-2.5 to 2.5	Pass			
	40	3.91	-2.049	-0.0024	-2.5 to 2.5	Pass				
		50	3.91	-3.596	-0.0043	-2.5 to 2.5	Pass			
		20	3.91	-4.521	-0.0054	-2.5 to 2.5	Pass			
	3.5		-1.178	-0.0014	-2.5 to 2.5	Pass				
	4.5		-5.067	-0.0060	-2.5 to 2.5	Pass				
	-30	3.91	-2.184	-0.0026	-2.5 to 2.5	Pass				
		-20	3.91	-2.952	-0.0035	-2.5 to 2.5	Pass			
-10		3.91	-4.825	-0.0057	-2.5 to 2.5	Pass				
0	0	3.91	-4.030	-0.0048	-2.5 to 2.5	Pass				
	10	3.91	-3.606	-0.0043	-2.5 to 2.5	Pass				
	30	3.91	-3.880	-0.0046	-2.5 to 2.5	Pass				
40	3.91	-4.660	-0.0055	-2.5 to 2.5	Pass					
	50	3.91	-4.807	-0.0057	-2.5 to 2.5	Pass				
	20	3.91	-1.369	-0.0017	-2.5 to 2.5	Pass				
3.5		-0.067	-0.0001	-2.5 to 2.5	Pass					
4.5		-0.860	-0.0010	-2.5 to 2.5	Pass					
-30	3.91	1.762	0.0021	-2.5 to 2.5	Pass					
	-20	3.91	-1.544	-0.0019	-2.5 to 2.5	Pass				
	-10	3.91	-2.090	-0.0025	-2.5 to 2.5	Pass				
0	0	3.91	-0.611	-0.0007	-2.5 to 2.5	Pass				
	10	3.91	-1.149	-0.0014	-2.5 to 2.5	Pass				



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64QAM	836.5	50	0	30	3.91	-0.999	-0.0012	-2.5 to 2.5	Pass
				40	3.91	-2.976	-0.0036	-2.5 to 2.5	Pass
				50	3.91	-2.559	-0.0031	-2.5 to 2.5	Pass
				20	3.91	-3.642	-0.0044	-2.5 to 2.5	Pass
					3.5	-2.826	-0.0034	-2.5 to 2.5	Pass
					4.5	-3.933	-0.0047	-2.5 to 2.5	Pass
				-30	3.91	-5.543	-0.0066	-2.5 to 2.5	Pass
				-20	3.91	-4.005	-0.0048	-2.5 to 2.5	Pass
				-10	3.91	-0.449	-0.0005	-2.5 to 2.5	Pass
				0	3.91	-5.277	-0.0063	-2.5 to 2.5	Pass
	10	3.91	-3.678	-0.0044	-2.5 to 2.5	Pass			
	30	3.91	-4.147	-0.0050	-2.5 to 2.5	Pass			
	40	3.91	-2.944	-0.0035	-2.5 to 2.5	Pass			
	50	3.91	-2.492	-0.0030	-2.5 to 2.5	Pass			
	844	50	0	20	3.91	-2.432	-0.0029	-2.5 to 2.5	Pass
					3.5	-2.618	-0.0031	-2.5 to 2.5	Pass
					4.5	-1.990	-0.0024	-2.5 to 2.5	Pass
				-30	3.91	-2.374	-0.0028	-2.5 to 2.5	Pass
				-20	3.91	-0.877	-0.0010	-2.5 to 2.5	Pass
				-10	3.91	-0.525	-0.0006	-2.5 to 2.5	Pass
0				3.91	-4.042	-0.0048	-2.5 to 2.5	Pass	
10				3.91	-4.263	-0.0051	-2.5 to 2.5	Pass	
30				3.91	-3.547	-0.0042	-2.5 to 2.5	Pass	
40				3.91	-4.376	-0.0052	-2.5 to 2.5	Pass	
50	3.91	-0.812	-0.0010	-2.5 to 2.5	Pass				
829	50	0	20	3.91	-0.066	-0.0001	-2.5 to 2.5	Pass	
				3.5	-1.471	-0.0018	-2.5 to 2.5	Pass	
				4.5	-1.164	-0.0014	-2.5 to 2.5	Pass	
			-30	3.91	-0.822	-0.0010	-2.5 to 2.5	Pass	
			-20	3.91	-1.240	-0.0015	-2.5 to 2.5	Pass	
			-10	3.91	-1.459	-0.0018	-2.5 to 2.5	Pass	
			0	3.91	-0.148	-0.0002	-2.5 to 2.5	Pass	
			10	3.91	-4.920	-0.0059	-2.5 to 2.5	Pass	
			30	3.91	-2.824	-0.0034	-2.5 to 2.5	Pass	
			40	3.91	-3.991	-0.0048	-2.5 to 2.5	Pass	
	50	3.91	-1.587	-0.0019	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.91	-5.554	-0.0066	-2.5 to 2.5	Pass
					3.5	-6.668	-0.0080	-2.5 to 2.5	Pass
					4.5	-1.656	-0.0020	-2.5 to 2.5	Pass
				-30	3.91	-4.418	-0.0053	-2.5 to 2.5	Pass
				-20	3.91	-4.991	-0.0060	-2.5 to 2.5	Pass
				-10	3.91	-3.731	-0.0045	-2.5 to 2.5	Pass
				0	3.91	-2.426	-0.0029	-2.5 to 2.5	Pass
10				3.91	-1.905	-0.0023	-2.5 to 2.5	Pass	
30	3.91	-5.374	-0.0064	-2.5 to 2.5	Pass				
40	3.91	-5.352	-0.0064	-2.5 to 2.5	Pass				
50	3.91	-1.515	-0.0018	-2.5 to 2.5	Pass				
844	50	0	20	3.91	-1.791	-0.0021	-2.5 to 2.5	Pass	
				3.5	-0.421	-0.0005	-2.5 to 2.5	Pass	



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				4.5	-3.511	-0.0042	-2.5 to 2.5	Pass	
				-30	3.91	-1.810	-0.0021	-2.5 to 2.5	Pass
				-20	3.91	-0.158	-0.0002	-2.5 to 2.5	Pass
				-10	3.91	-0.156	-0.0002	-2.5 to 2.5	Pass
				0	3.91	-3.630	-0.0043	-2.5 to 2.5	Pass
				10	3.91	-2.089	-0.0025	-2.5 to 2.5	Pass
				30	3.91	-2.014	-0.0024	-2.5 to 2.5	Pass
				40	3.91	-0.110	-0.0001	-2.5 to 2.5	Pass
				50	3.91	1.693	0.0020	-2.5 to 2.5	Pass



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3. 99% & 26dB Bandwidth

3.1 Band5_OBW

3.1.1 Test Result

Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.106	/	Pass
		836.5	6	0	1.116	/	Pass
		848.3	6	0	1.113	/	Pass
	16QAM	824.7	6	0	1.103	/	Pass
		836.5	6	0	1.106	/	Pass
		848.3	6	0	1.114	/	Pass
	64QAM	824.7	6	0	1.114	/	Pass
		836.5	6	0	1.108	/	Pass
		848.3	6	0	1.107	/	Pass
3	QPSK	825.5	15	0	2.731	/	Pass
		836.5	15	0	2.749	/	Pass
		847.5	15	0	2.735	/	Pass
	16QAM	825.5	15	0	2.731	/	Pass
		836.5	15	0	2.732	/	Pass
		847.5	15	0	2.728	/	Pass
	64QAM	825.5	15	0	2.749	/	Pass
		836.5	15	0	2.733	/	Pass
		847.5	15	0	2.729	/	Pass
5	QPSK	826.5	25	0	4.554	/	Pass
		836.5	25	0	4.538	/	Pass
		846.5	25	0	4.553	/	Pass
	16QAM	826.5	25	0	4.542	/	Pass
		836.5	25	0	4.558	/	Pass
		846.5	25	0	4.552	/	Pass
	64QAM	826.5	25	0	4.552	/	Pass
		836.5	25	0	4.551	/	Pass
		846.5	25	0	4.542	/	Pass
10	QPSK	829	50	0	9.057	/	Pass
		836.5	50	0	9.041	/	Pass
		844	50	0	9.064	/	Pass
	16QAM	829	50	0	9.027	/	Pass
		836.5	50	0	9.043	/	Pass
		844	50	0	9.063	/	Pass
	64QAM	829	50	0	9.065	/	Pass
		836.5	50	0	9.032	/	Pass
		844	50	0	9.076	/	Pass



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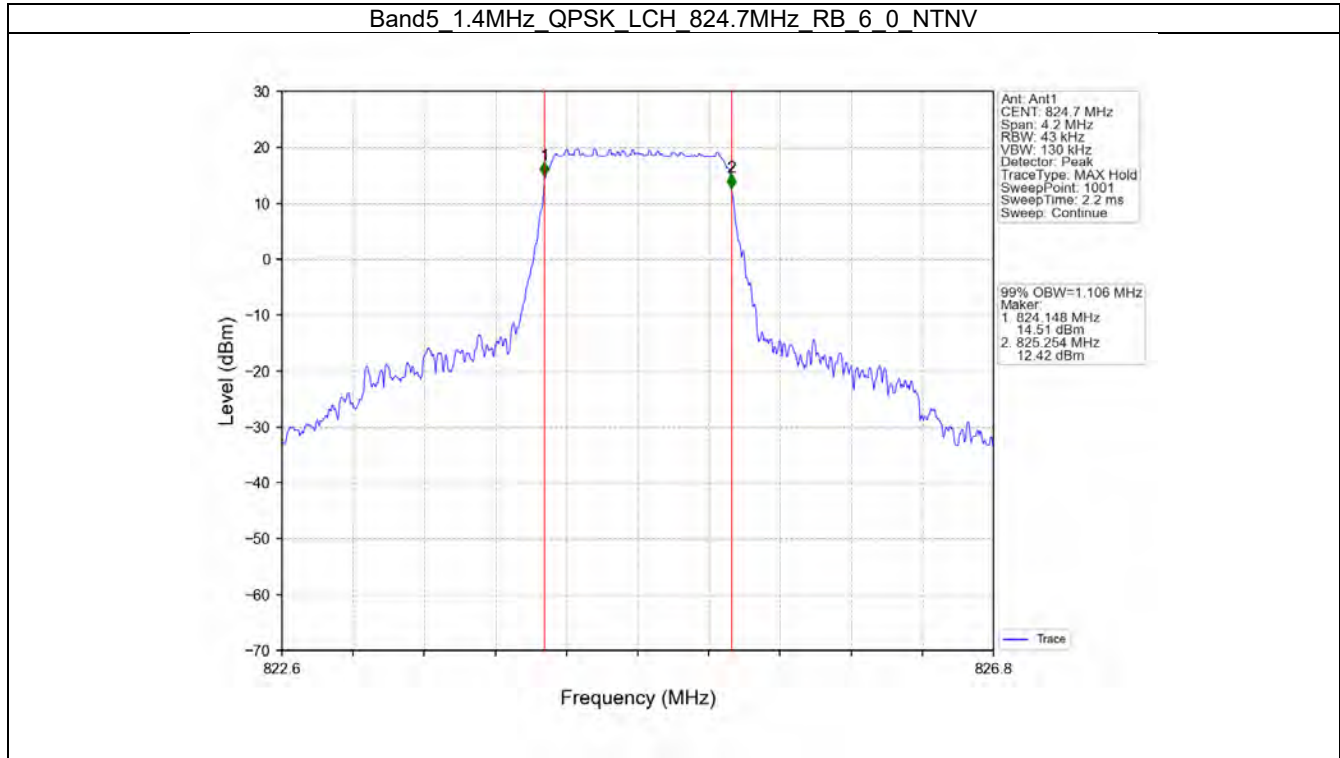
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3.1.2 Test Graph



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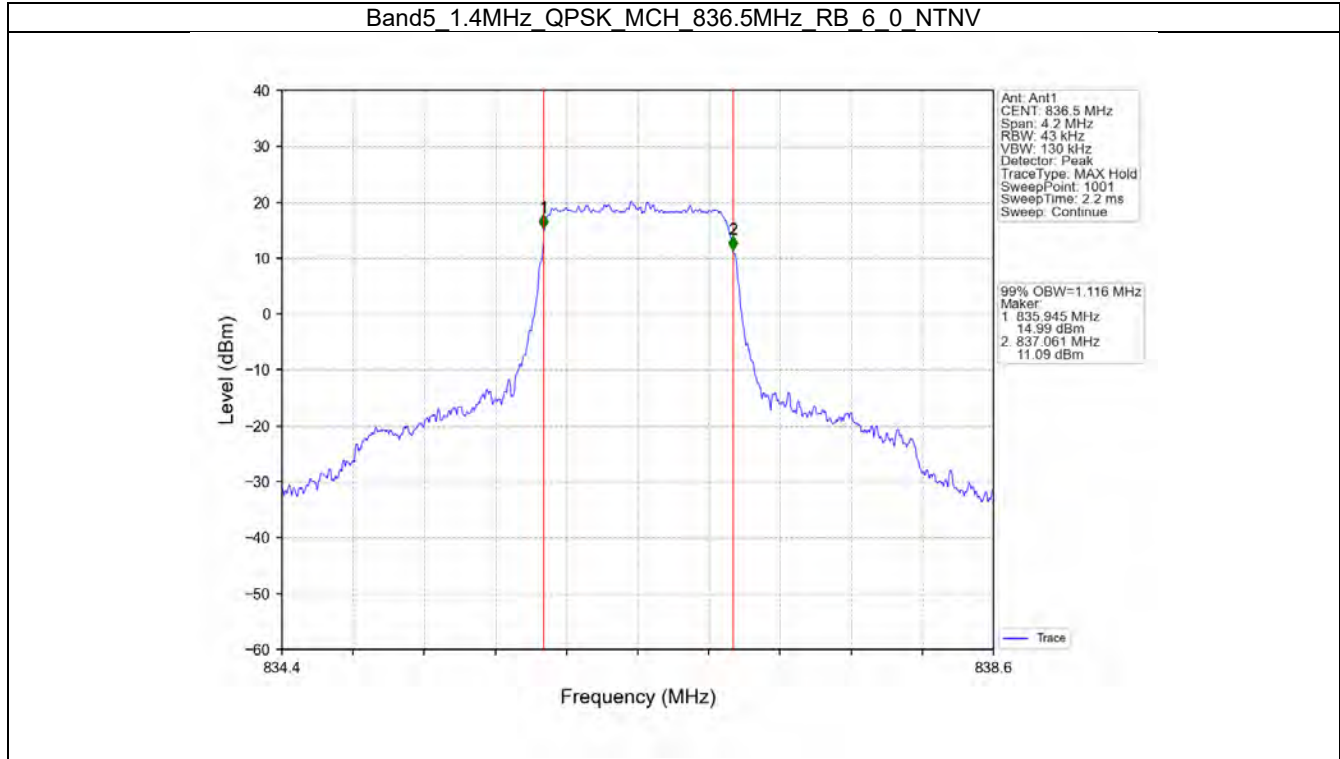
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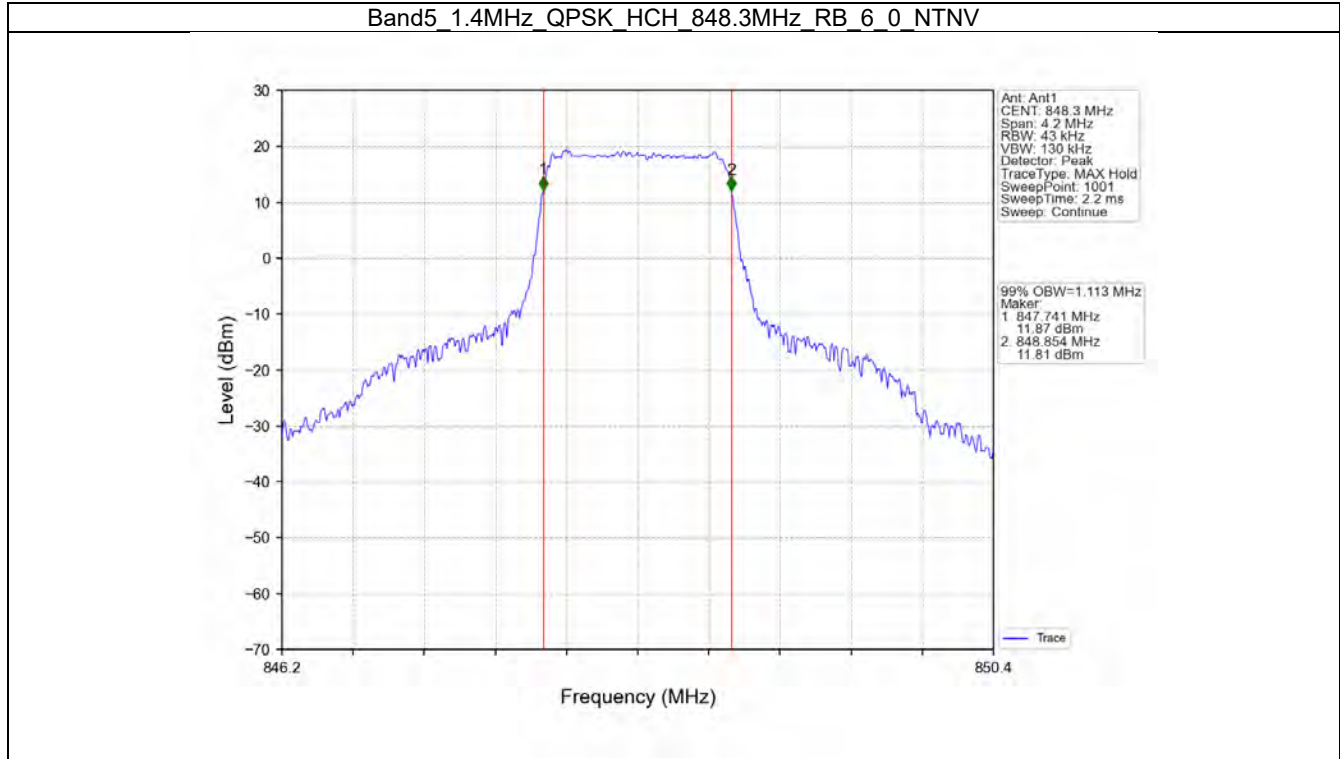
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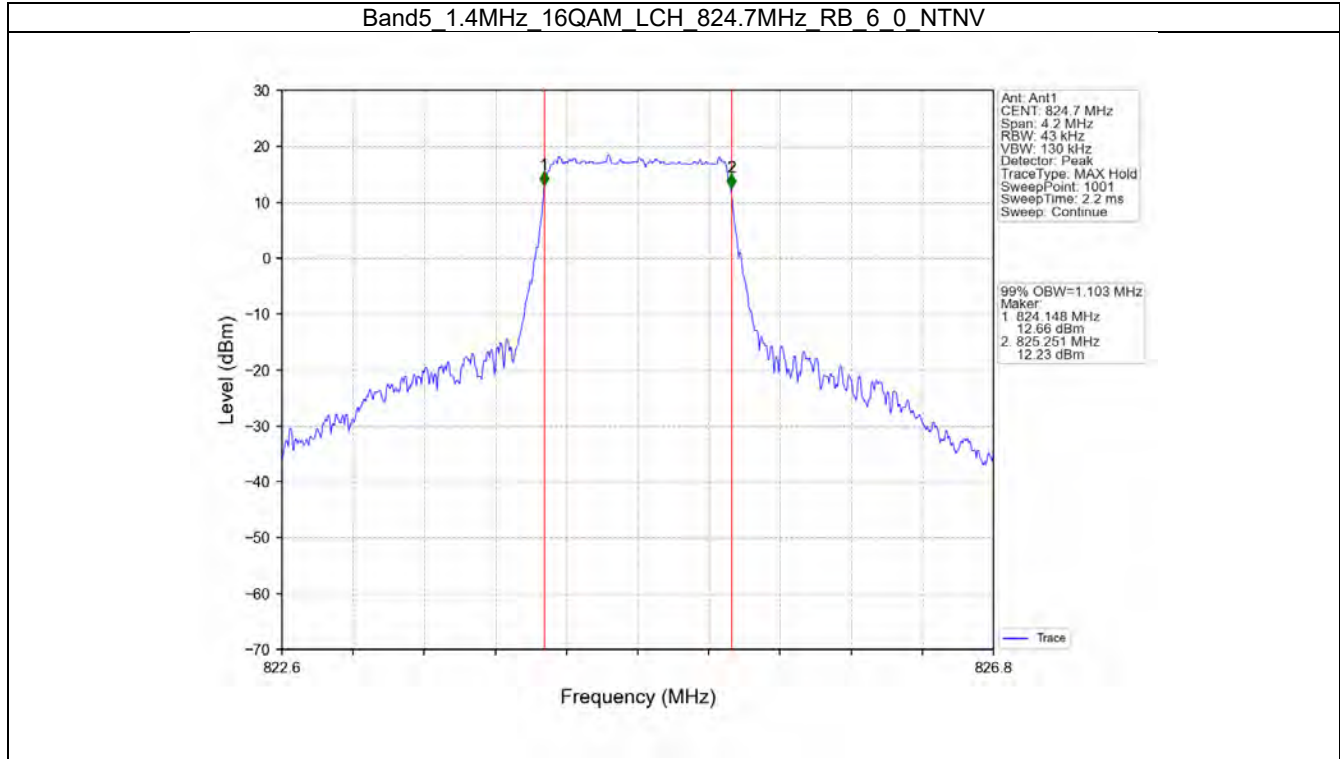
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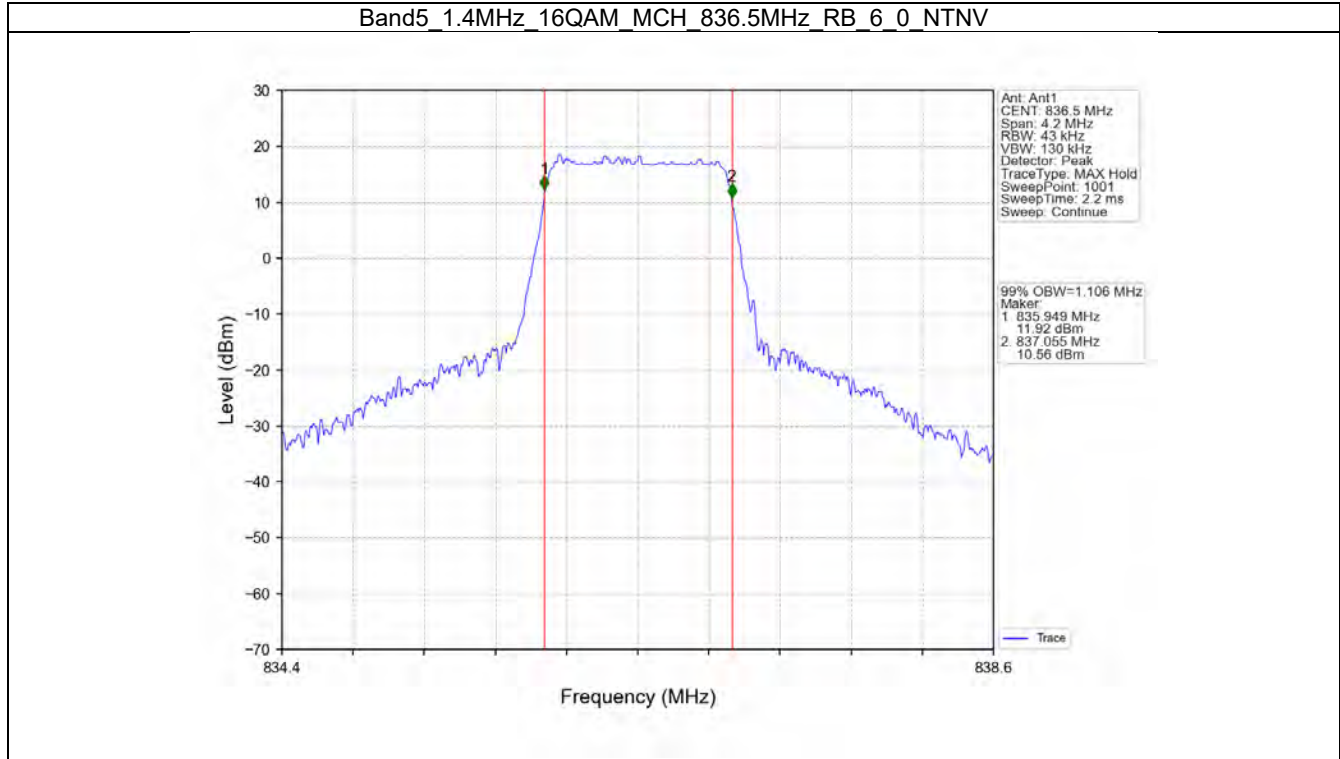
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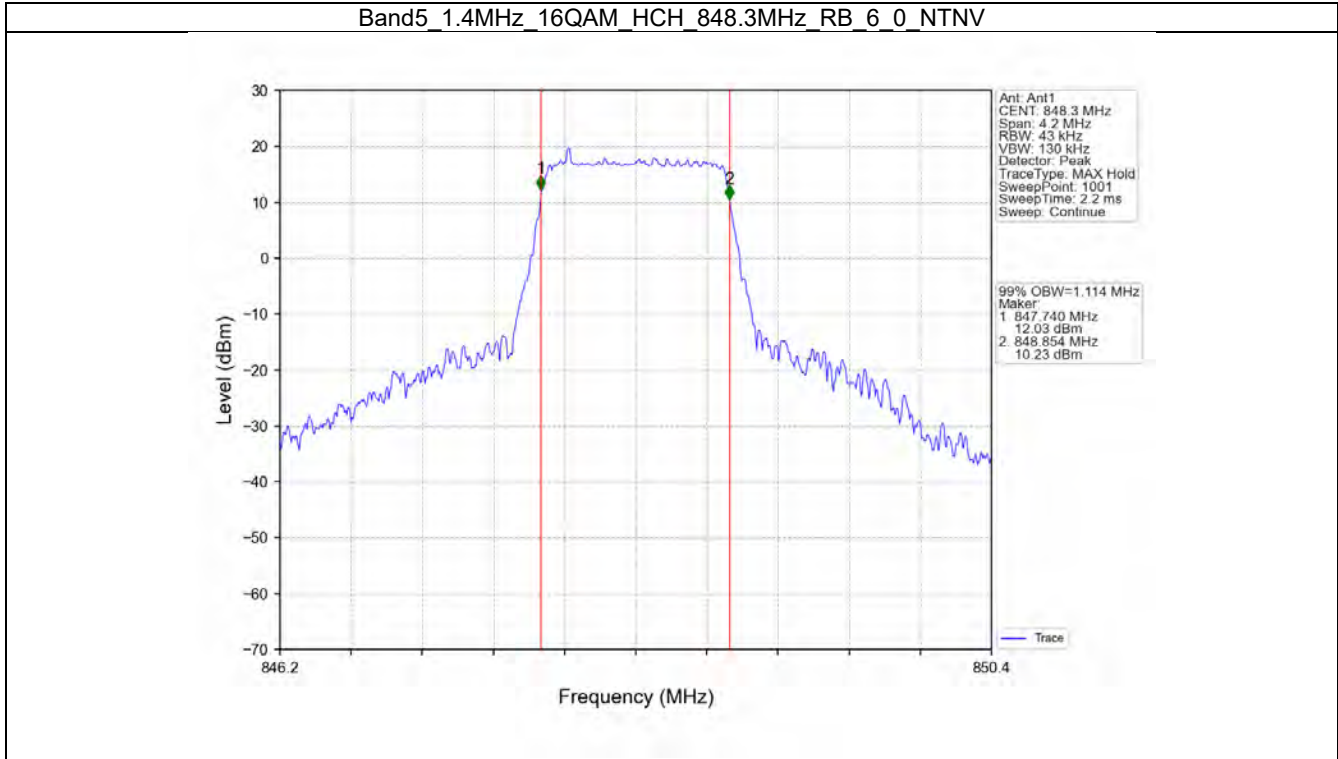
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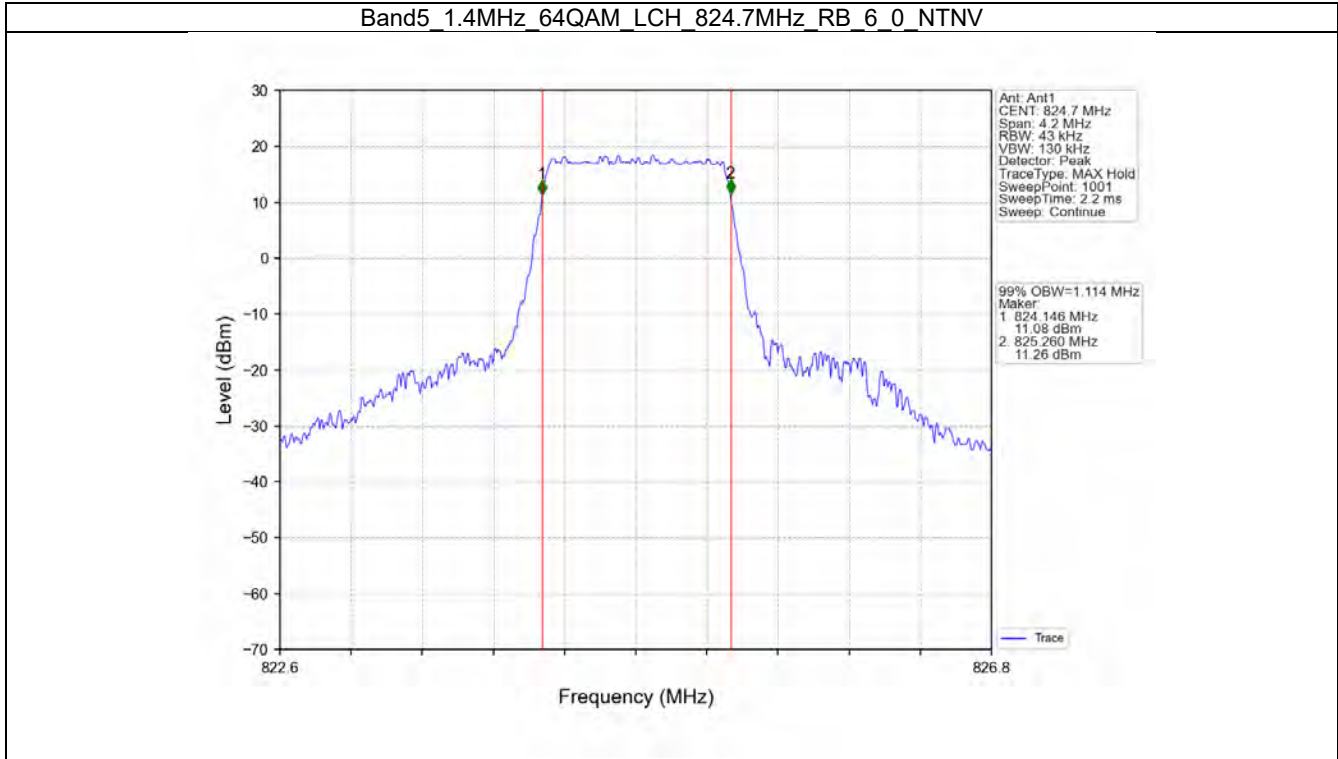
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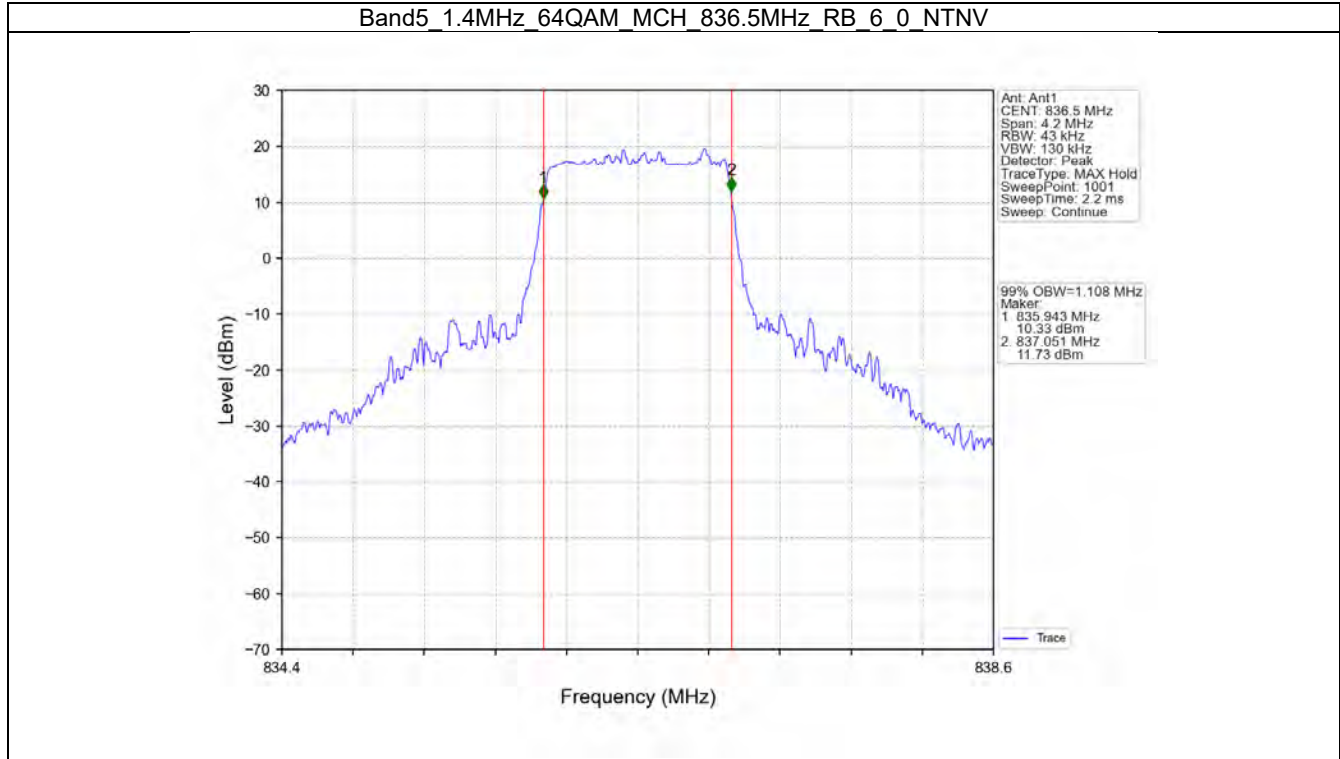
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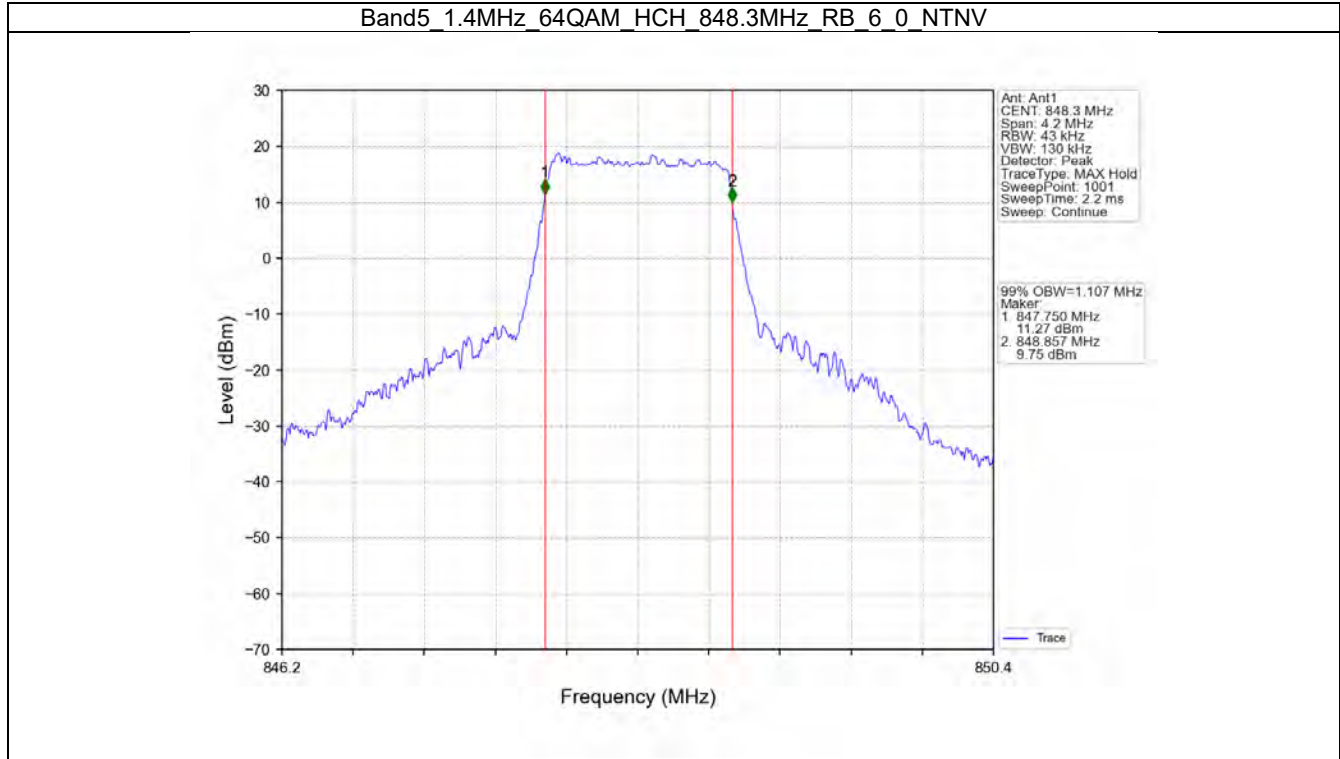
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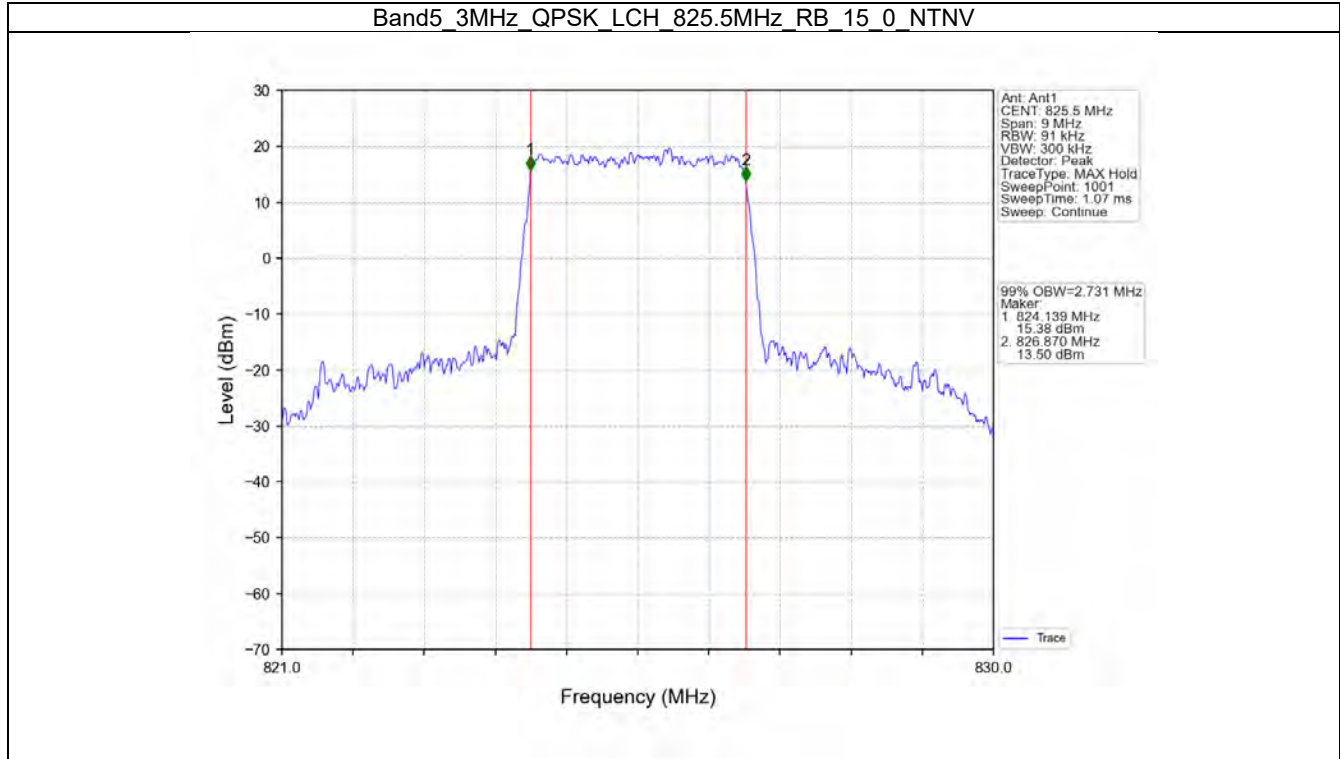
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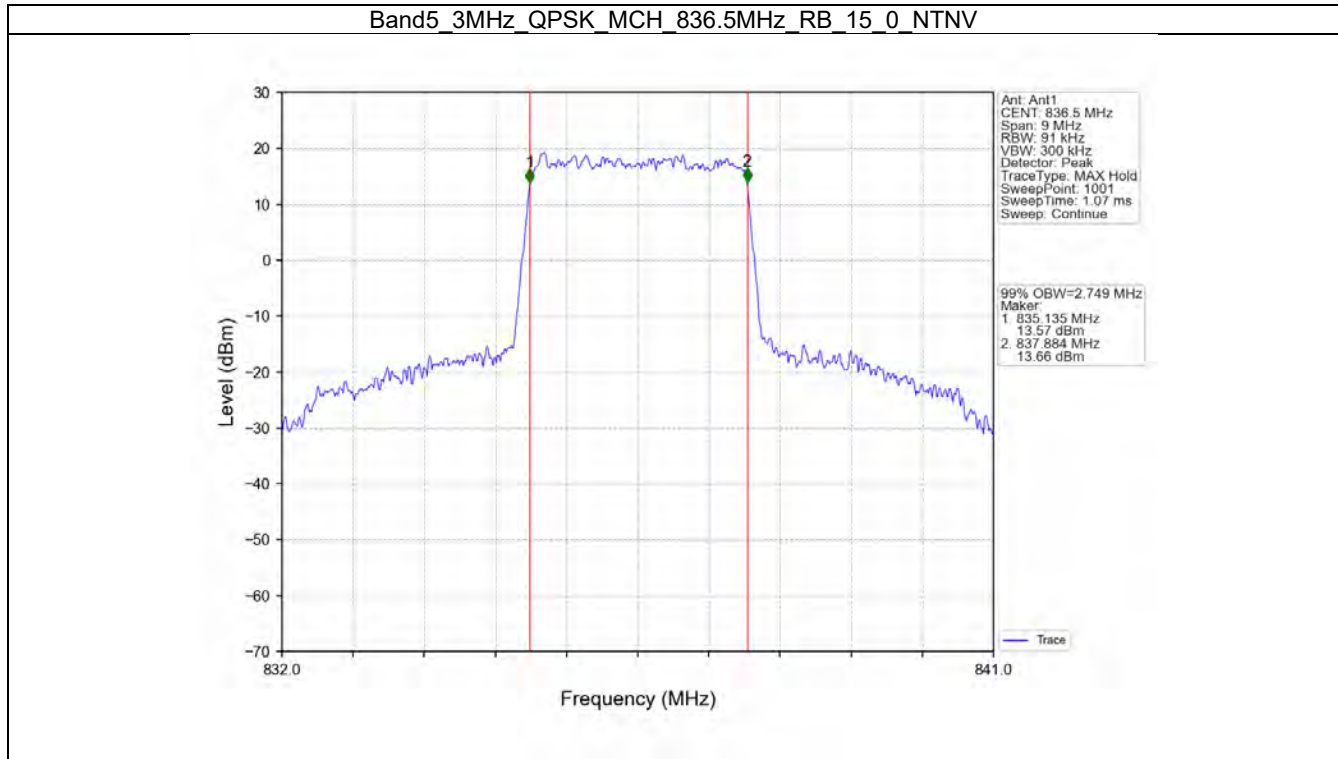


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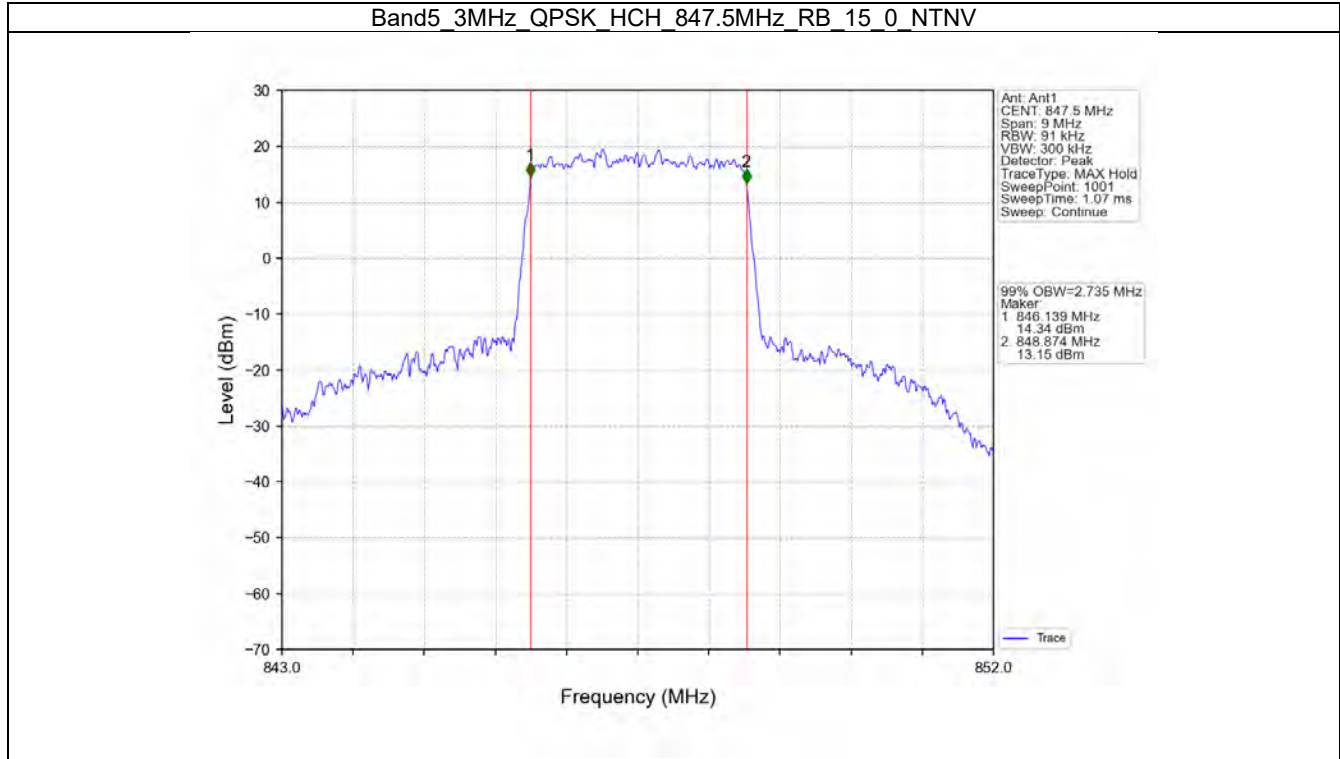
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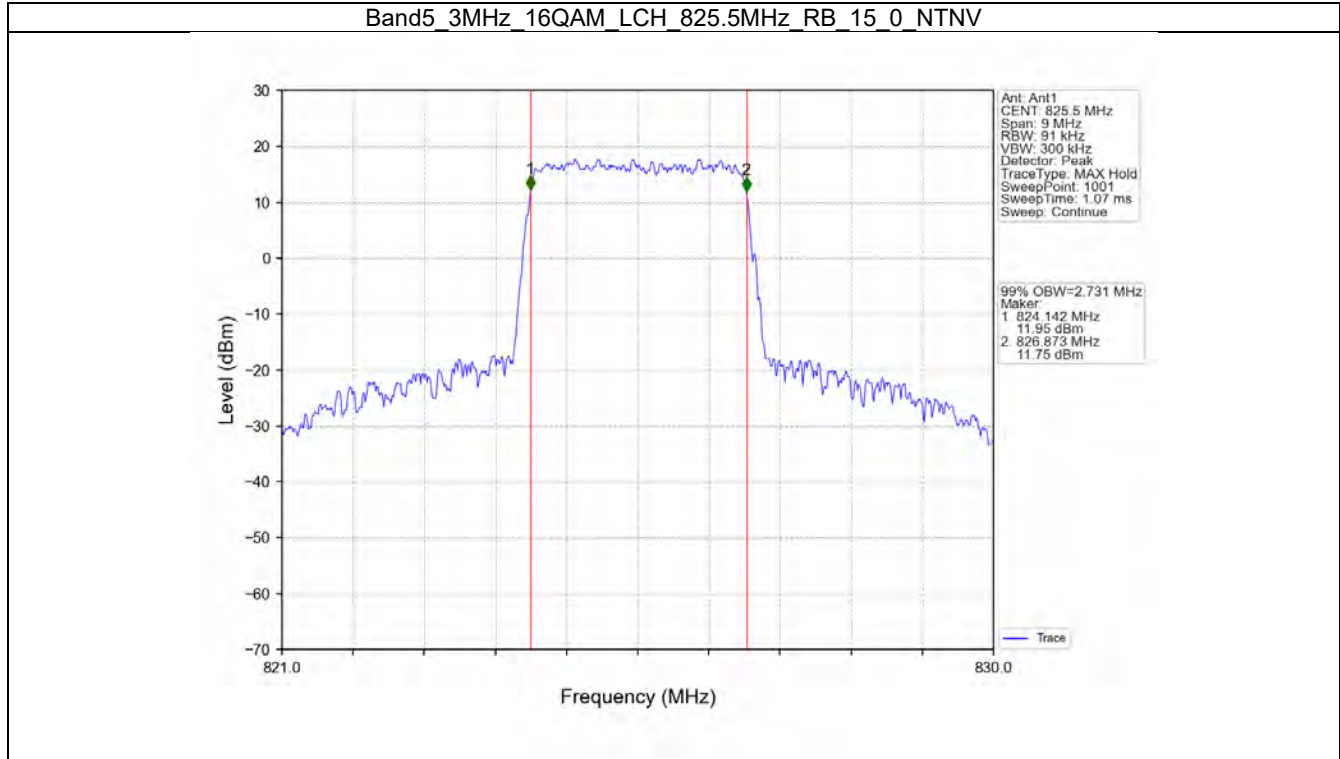
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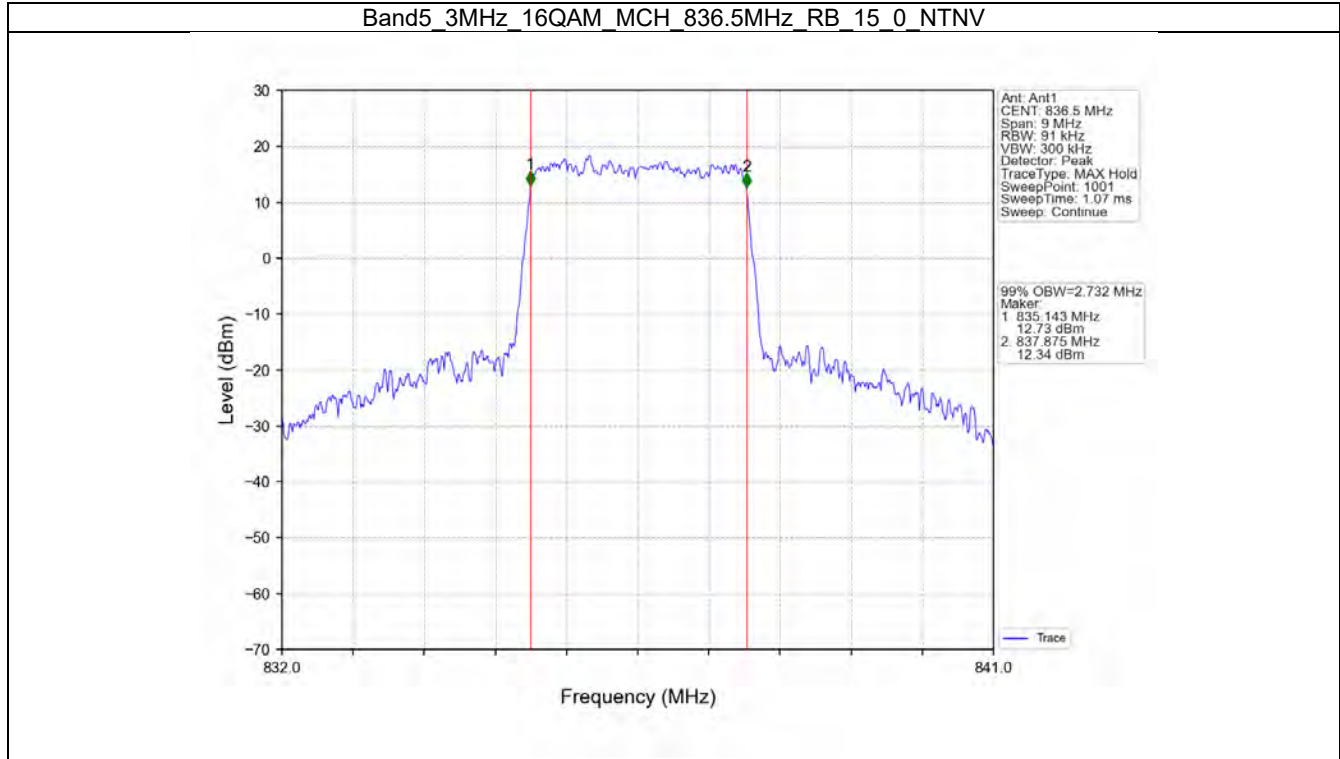
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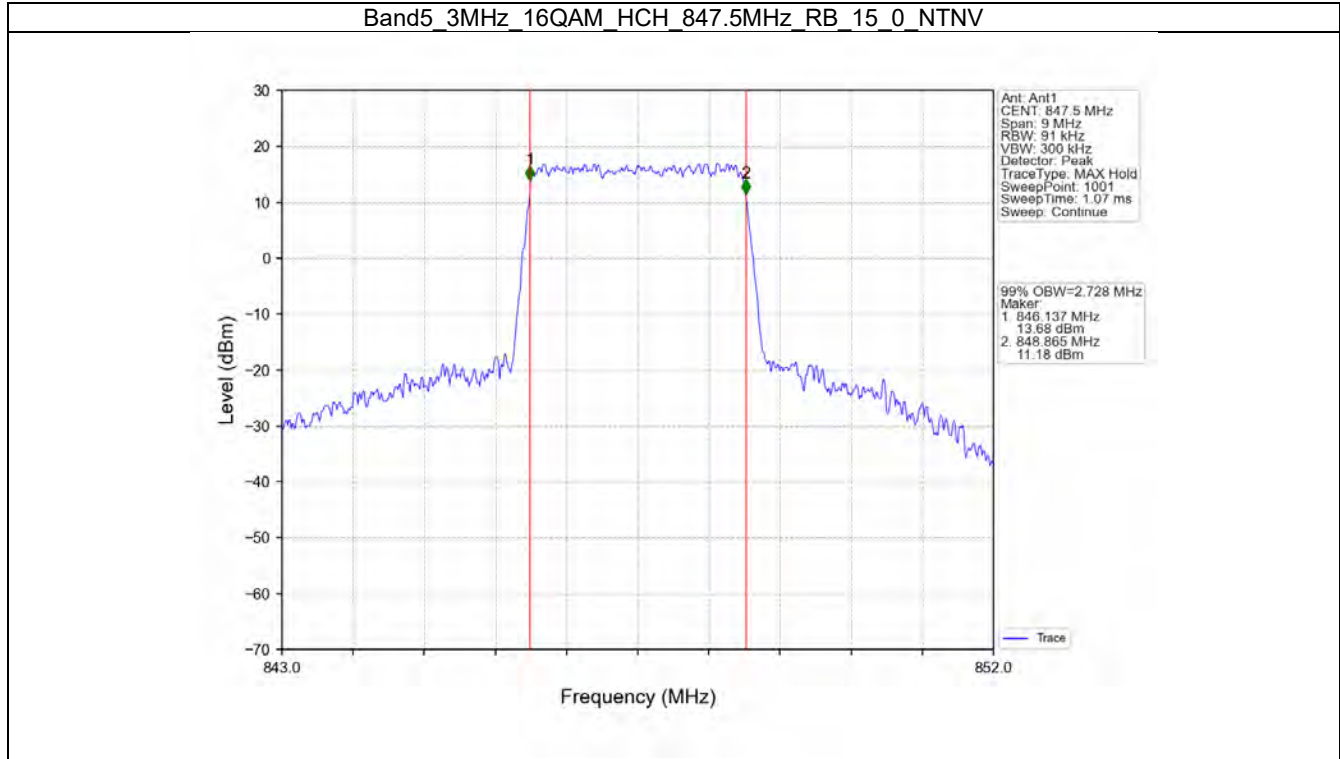
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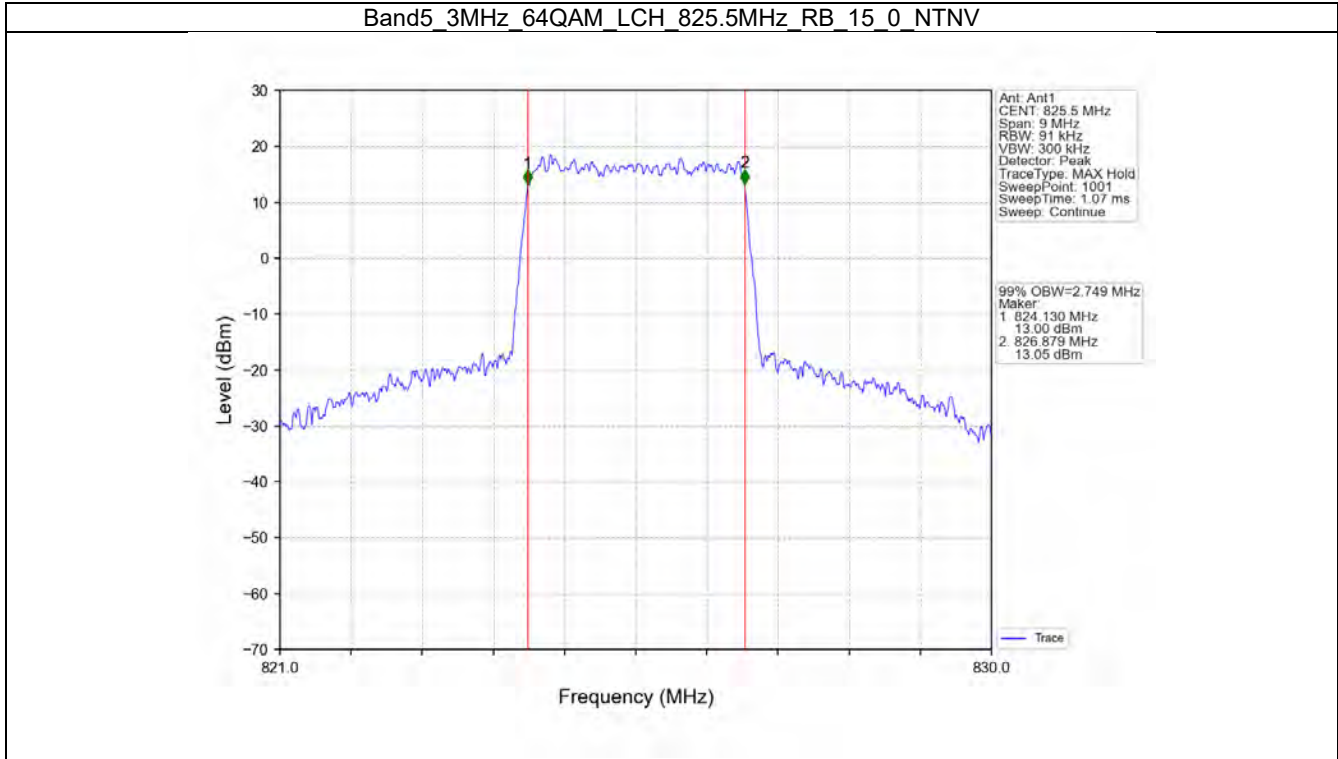
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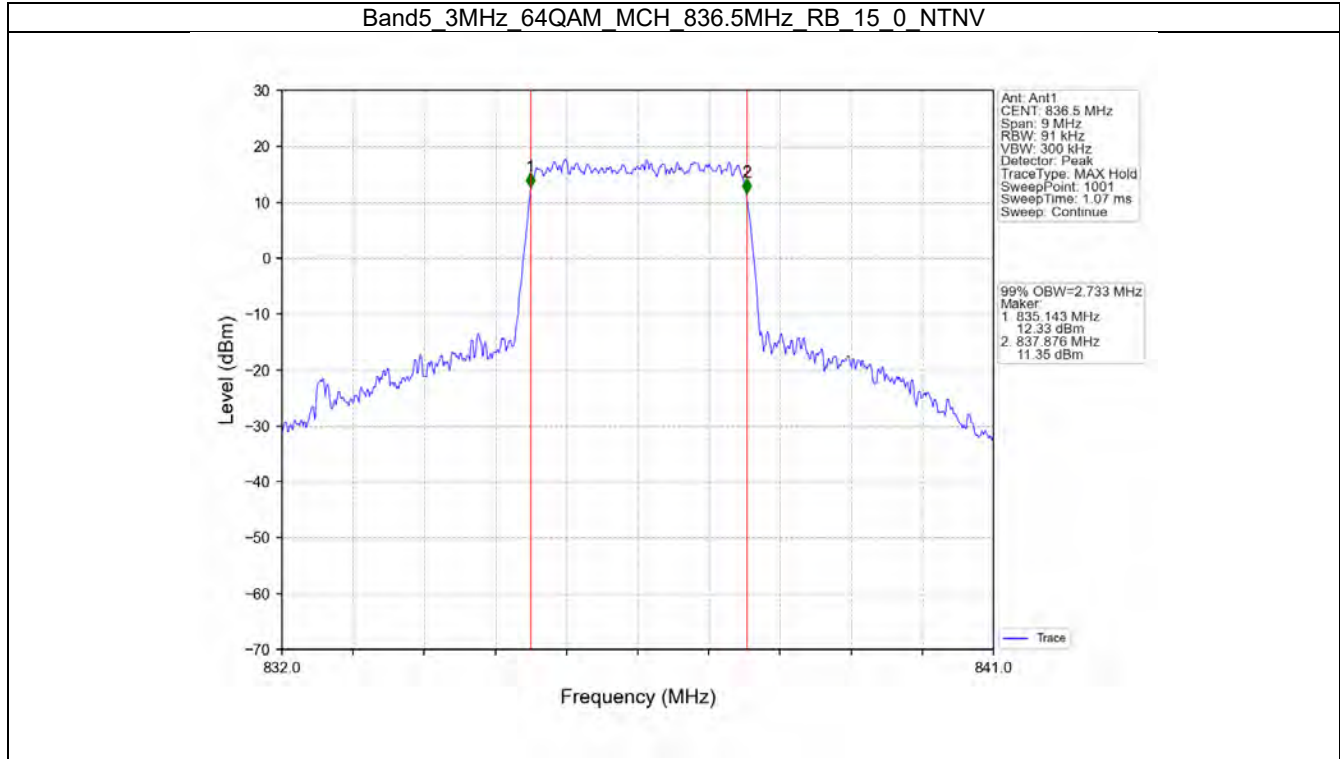
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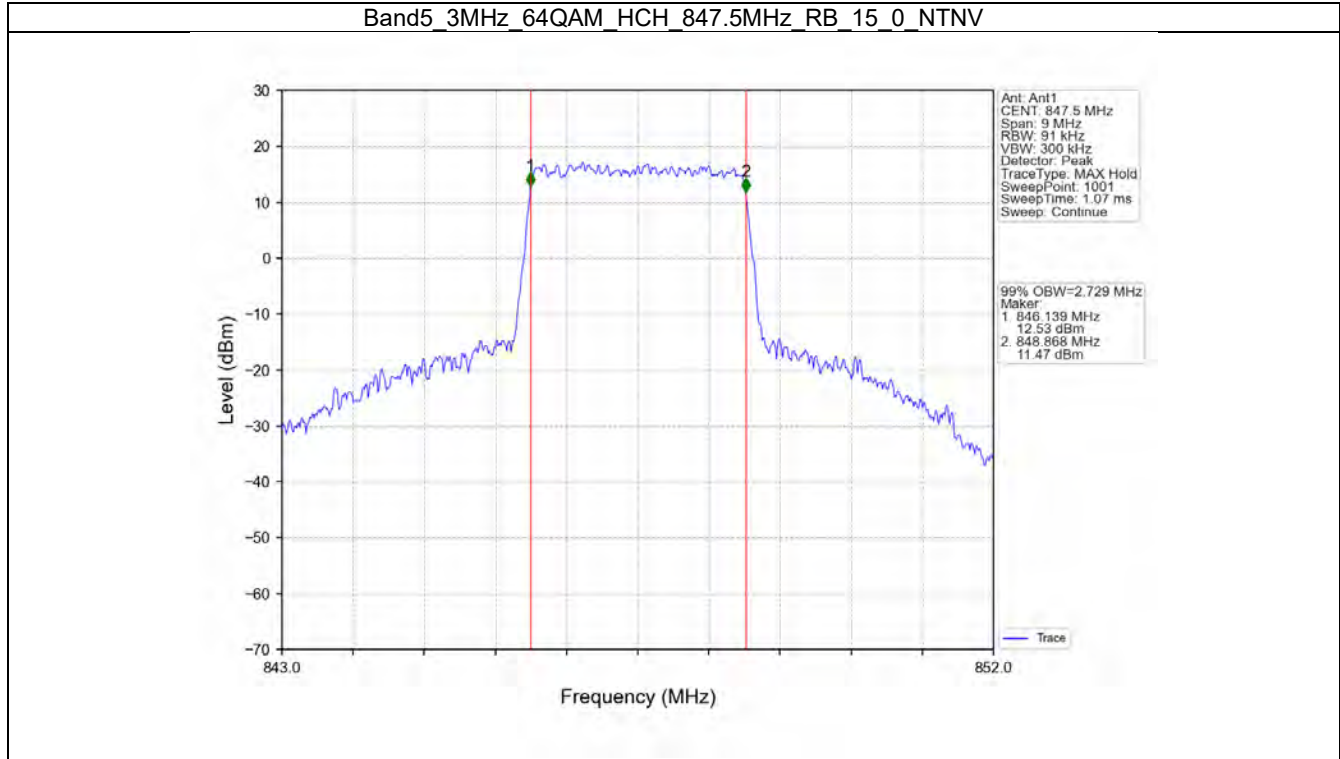
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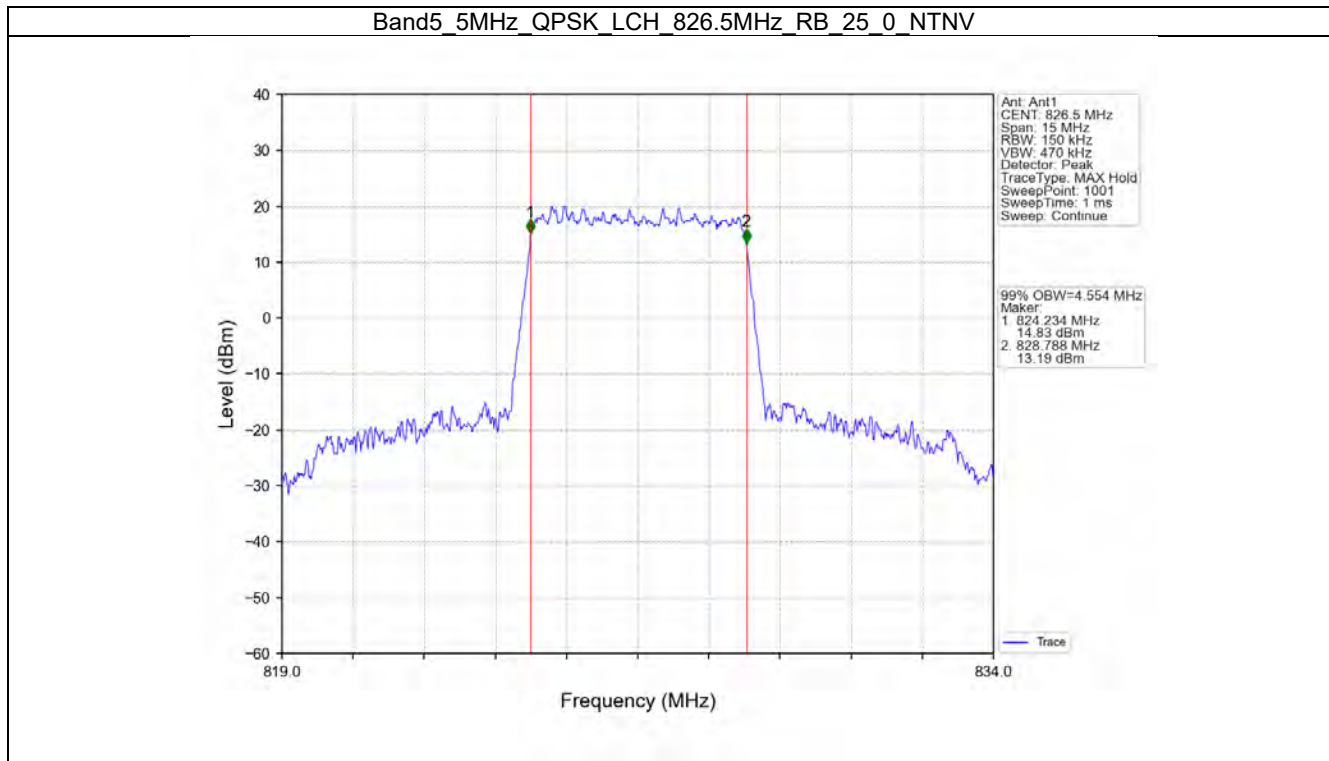


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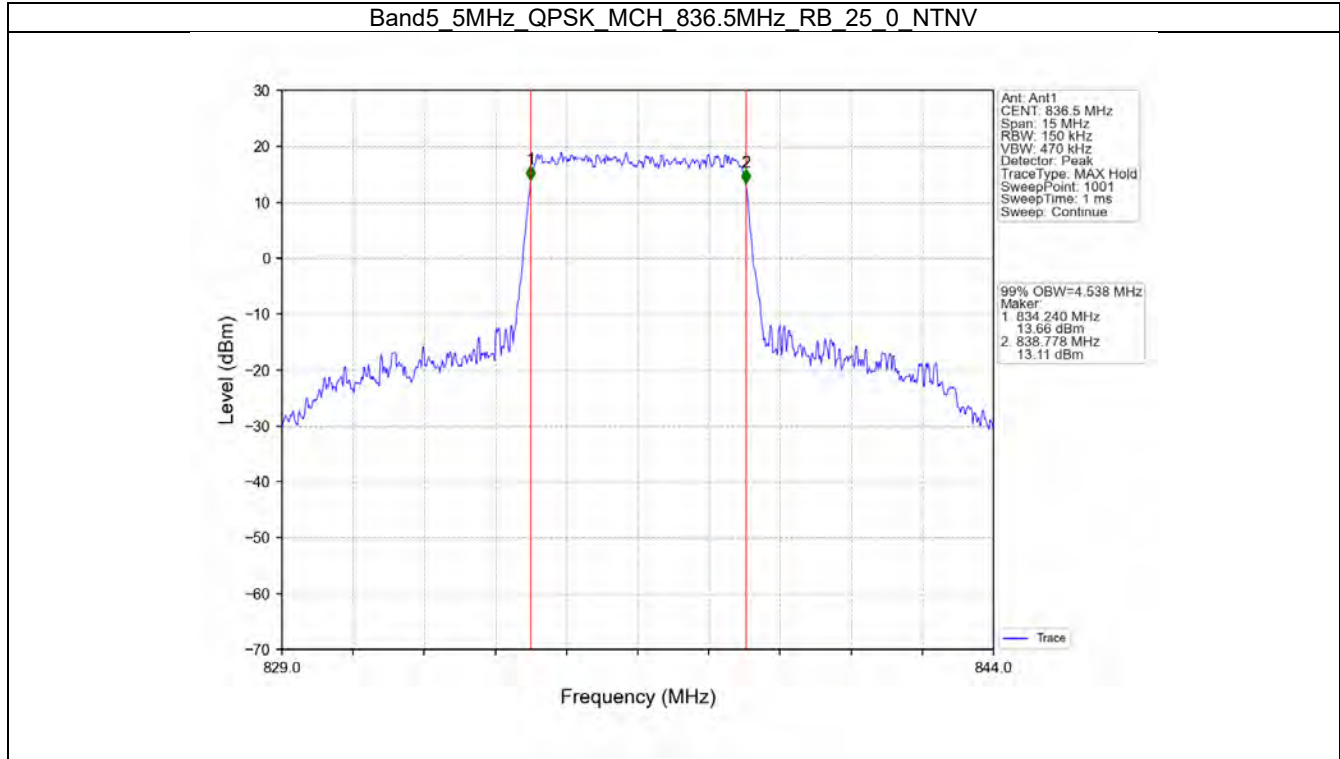
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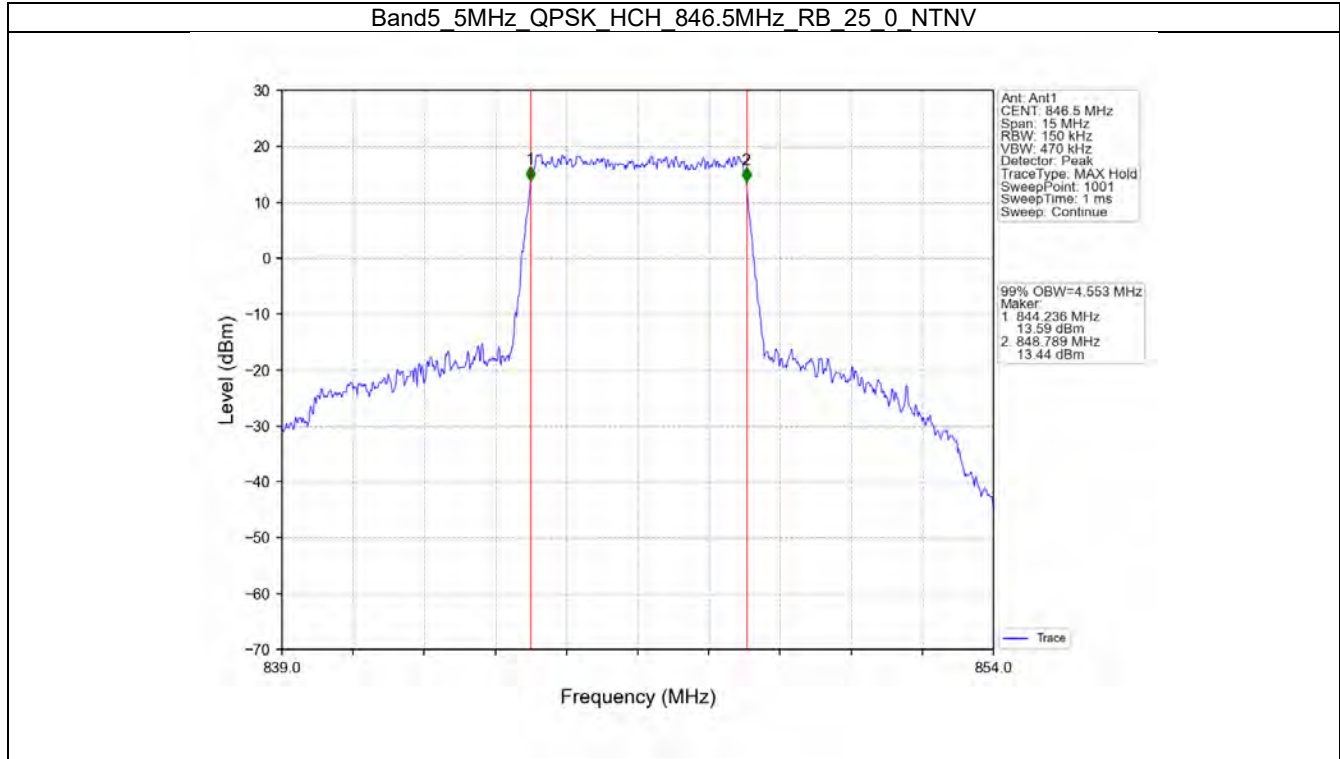
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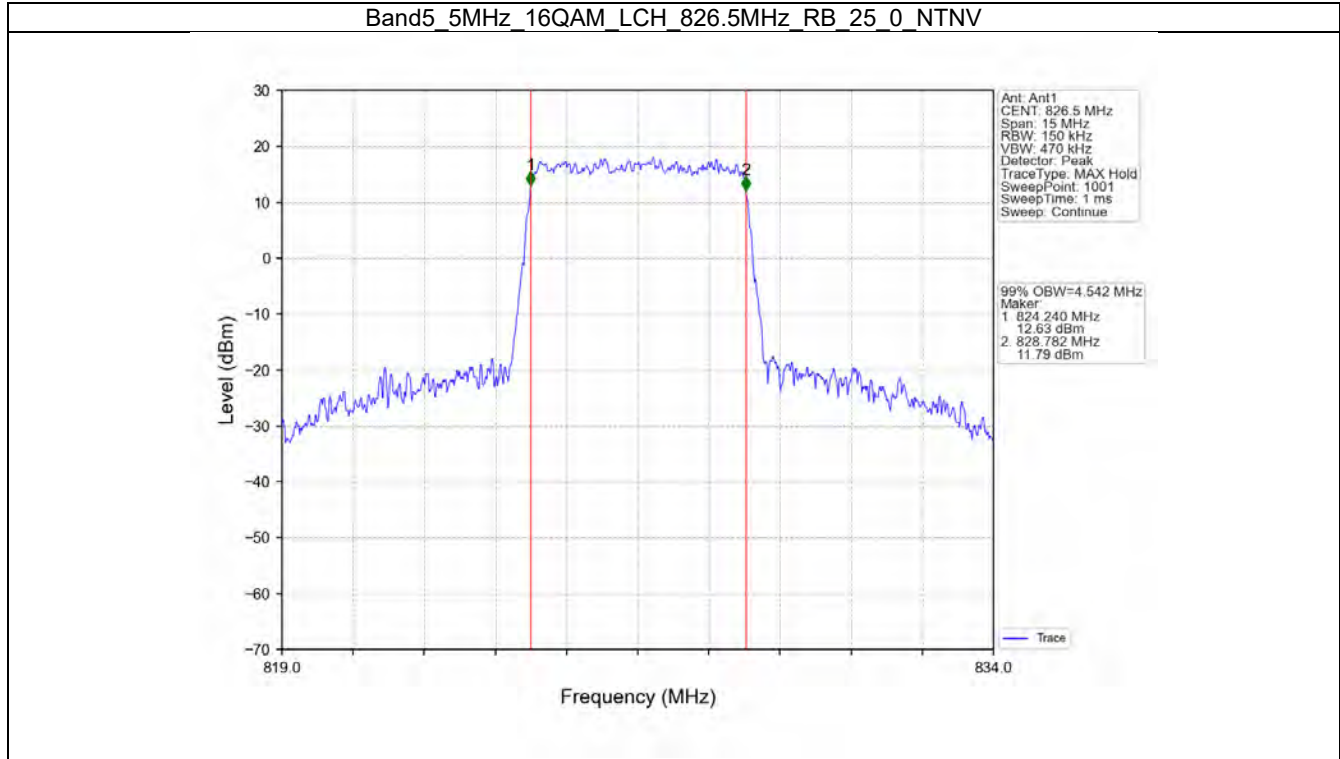
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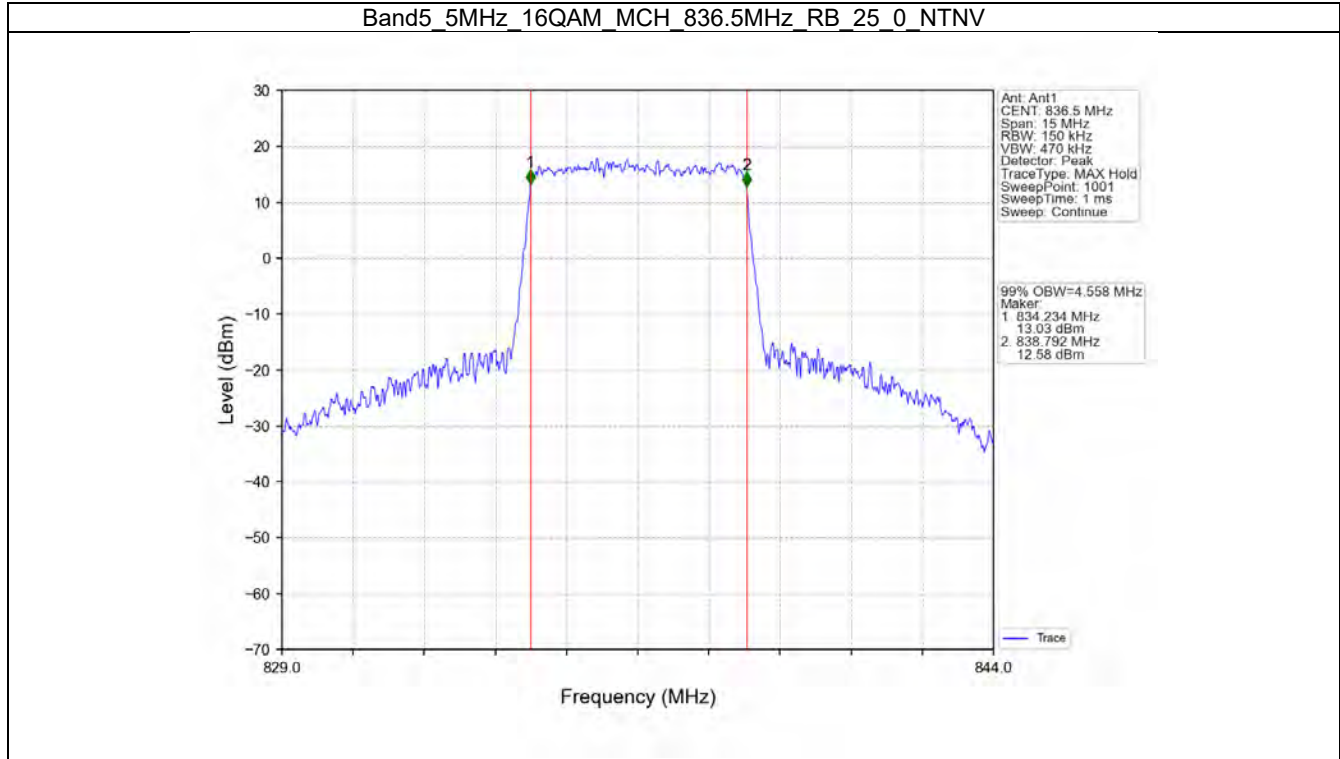
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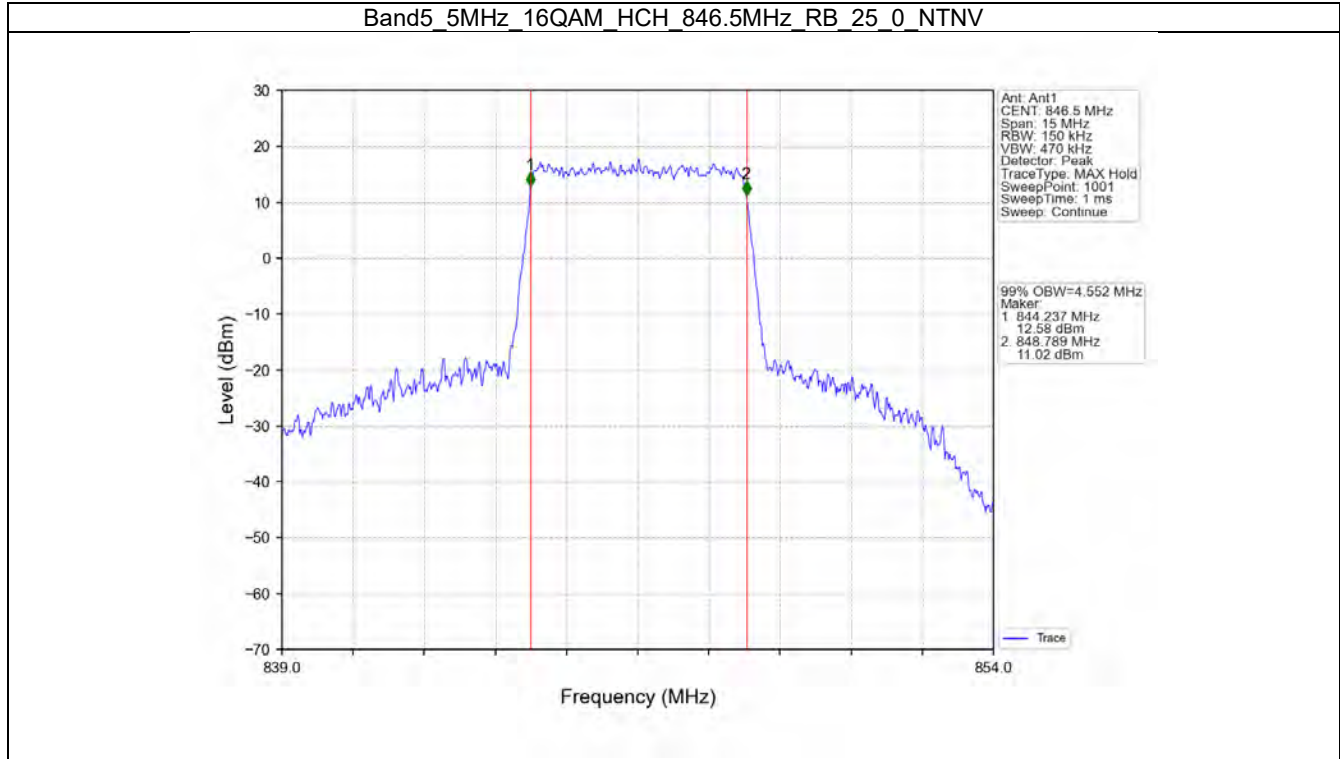
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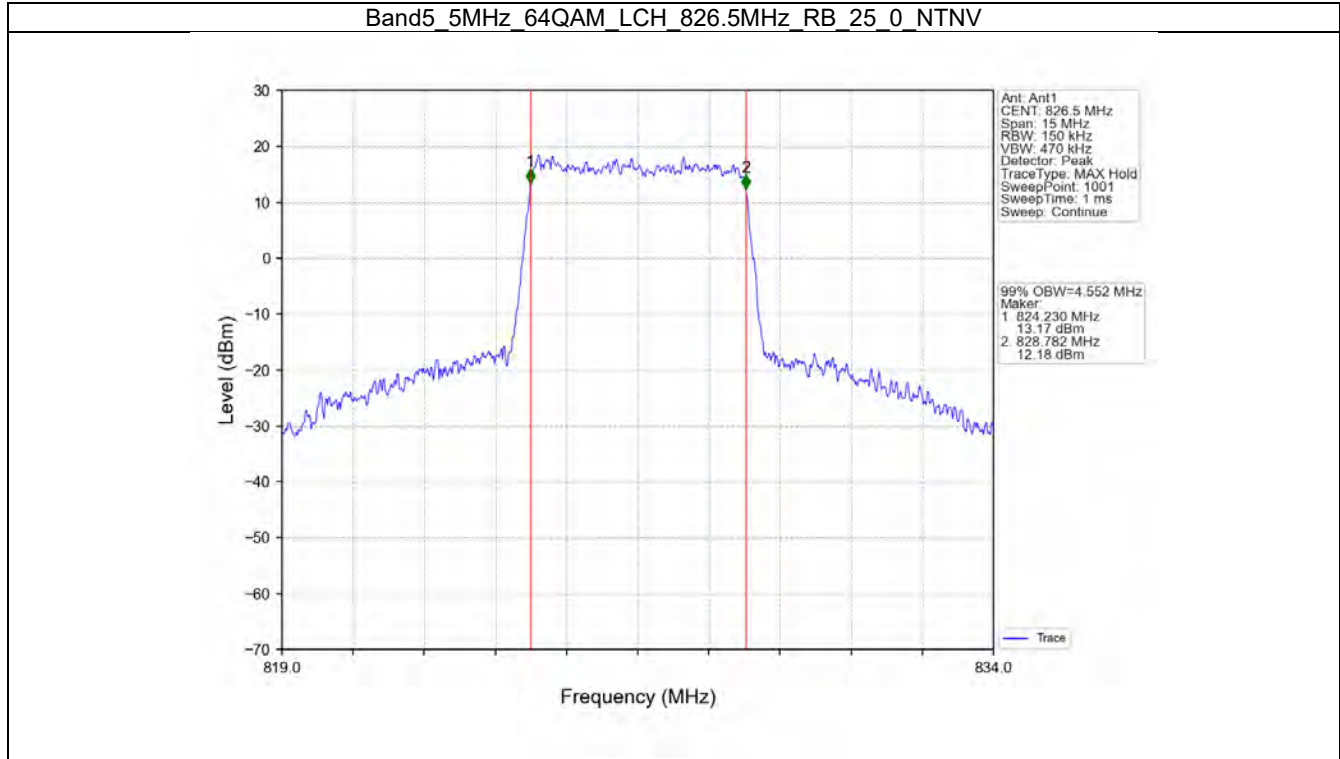
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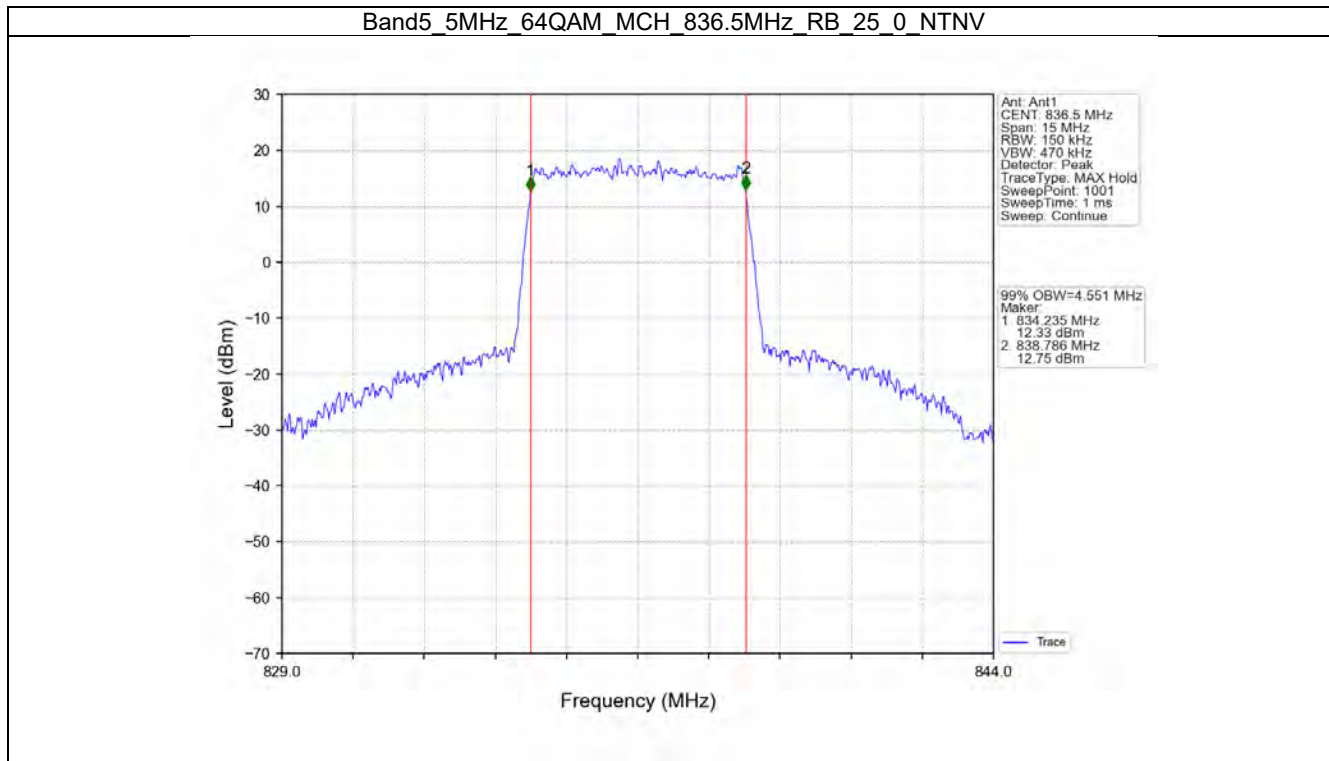


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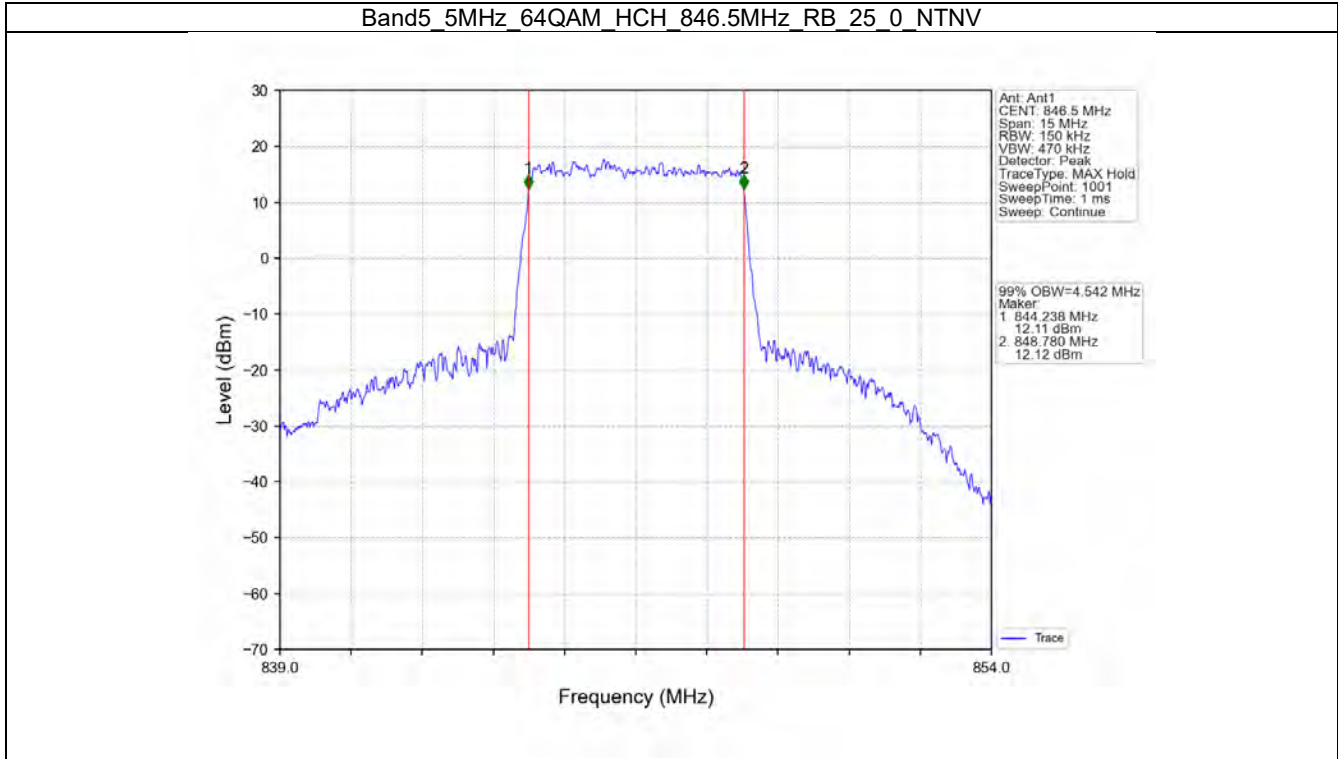
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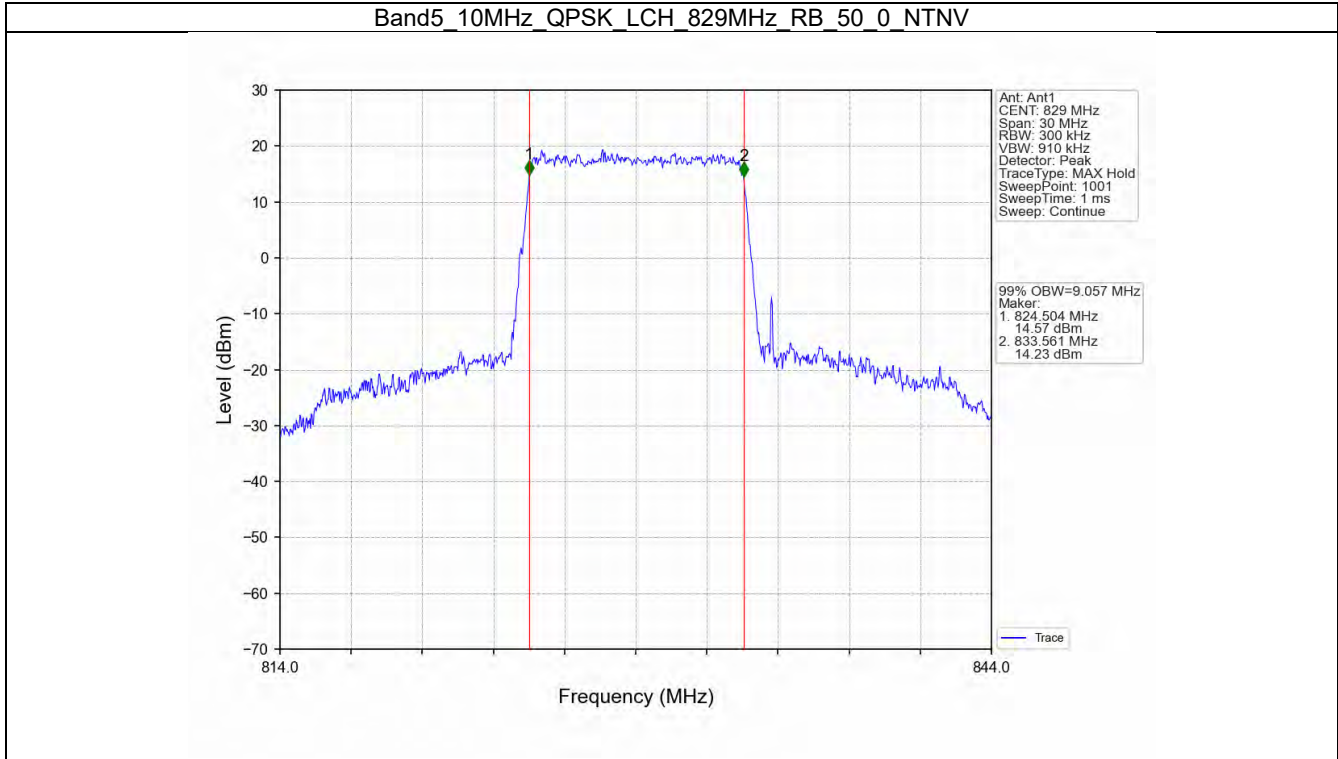
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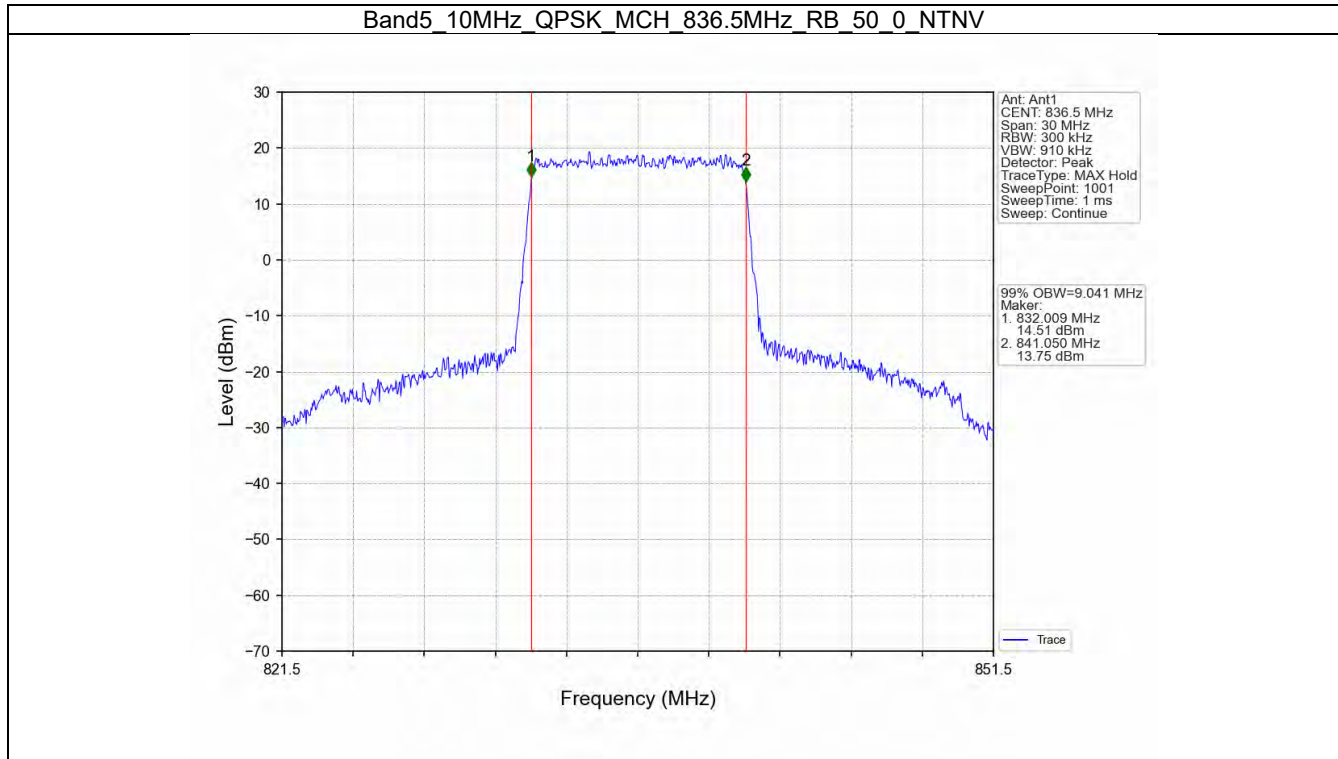


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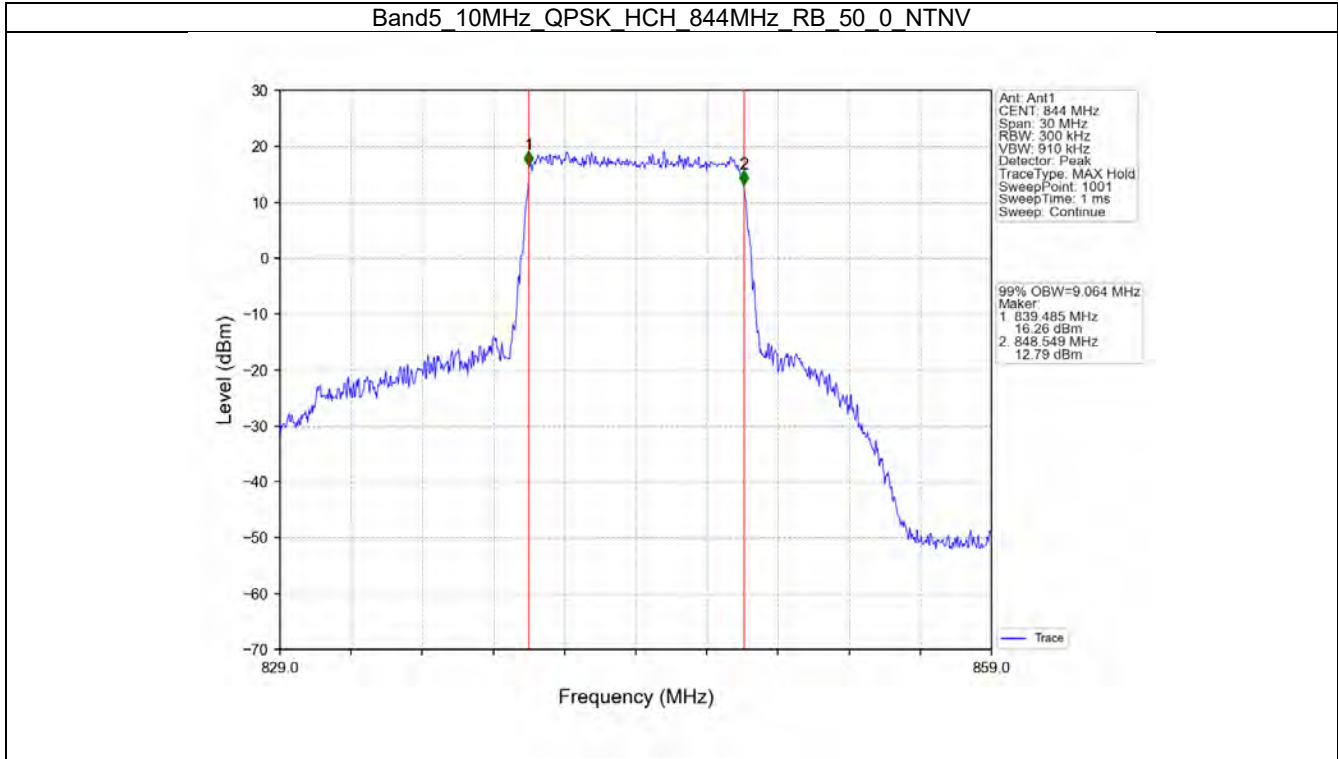
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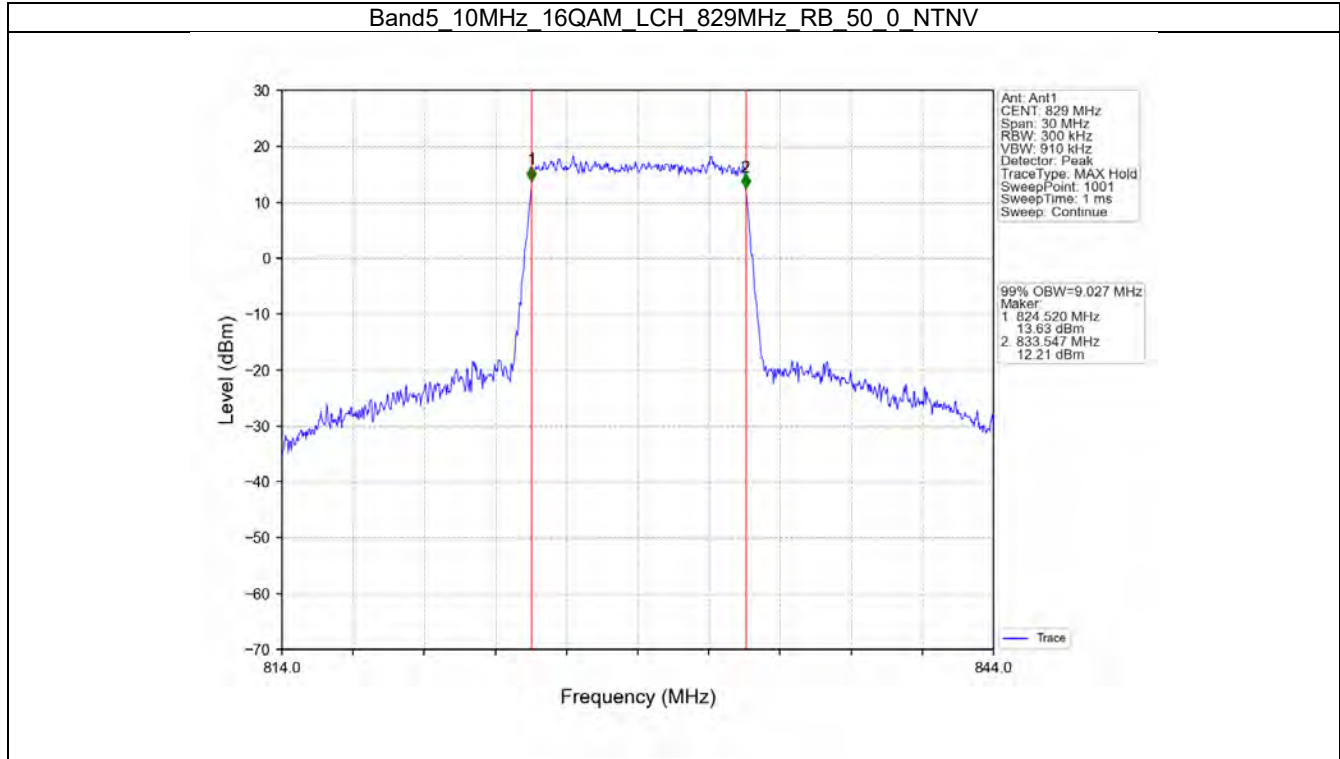
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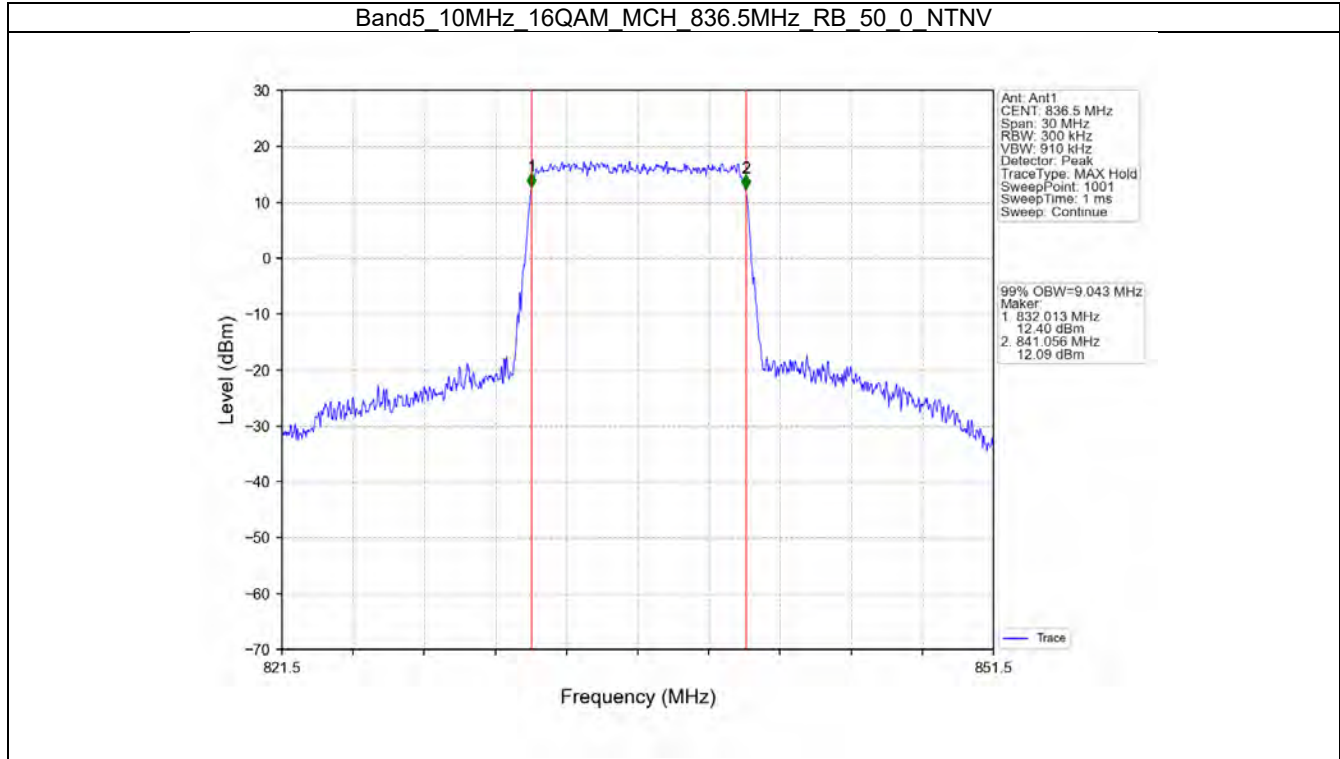
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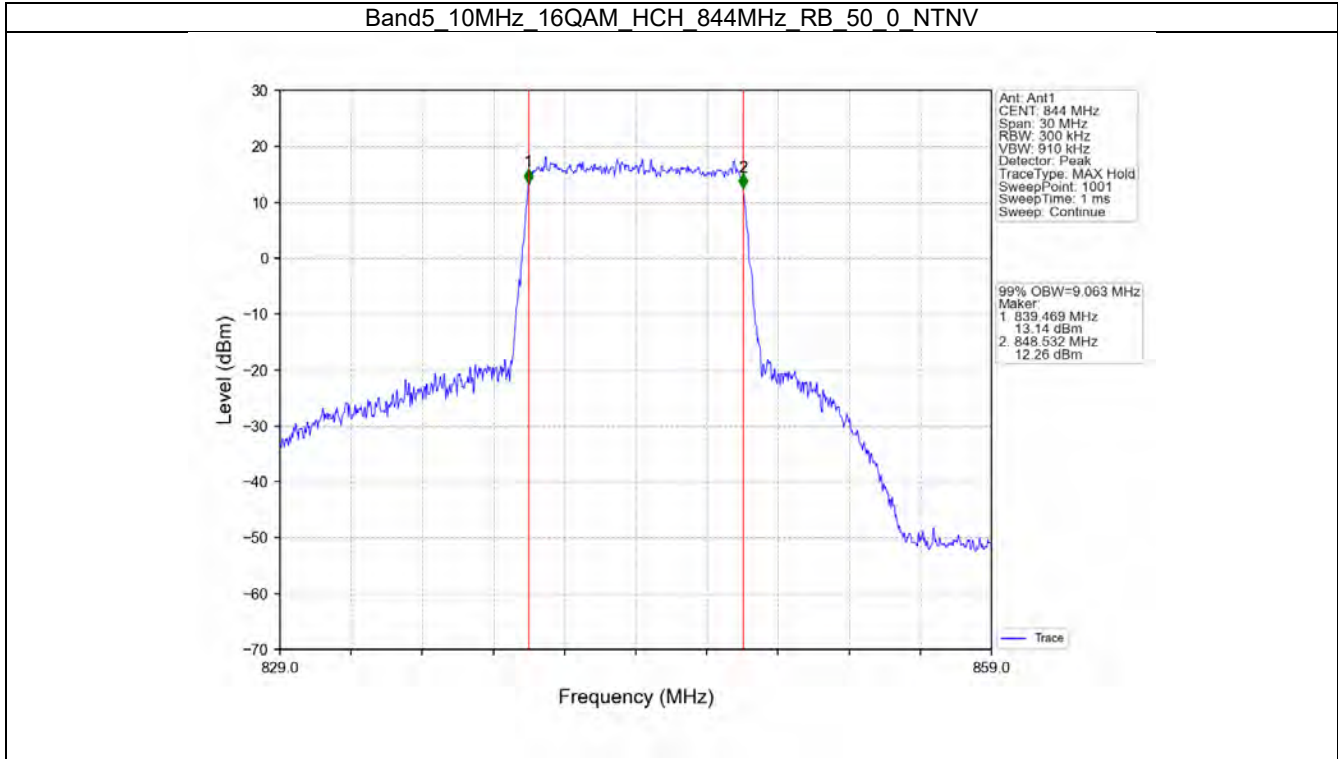
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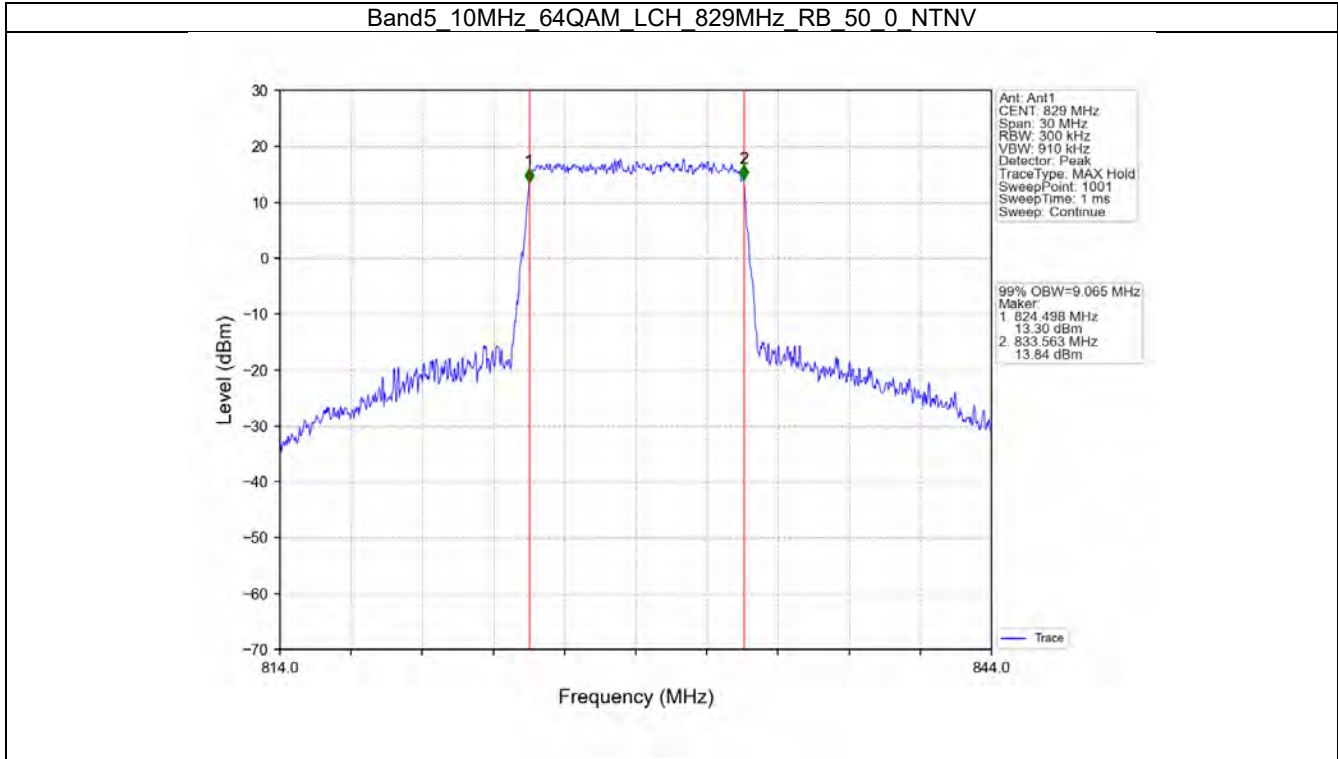
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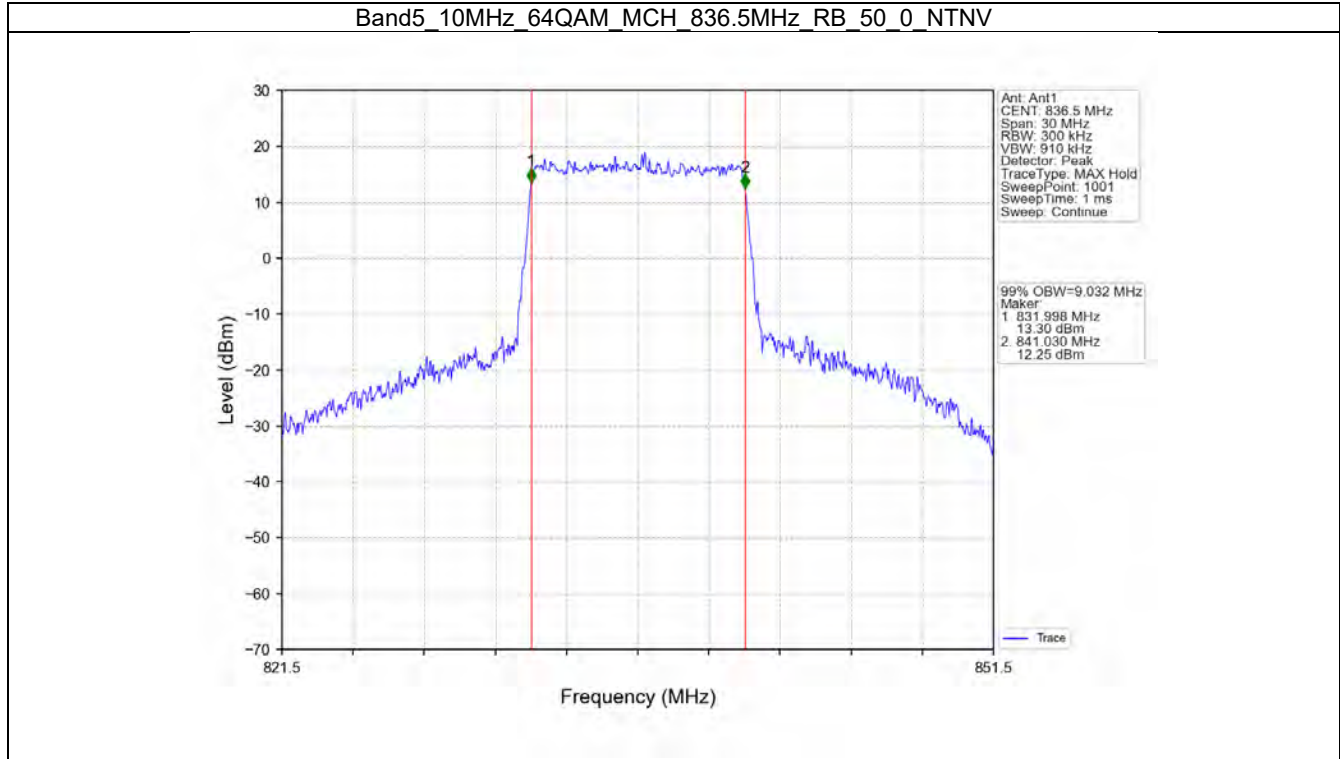
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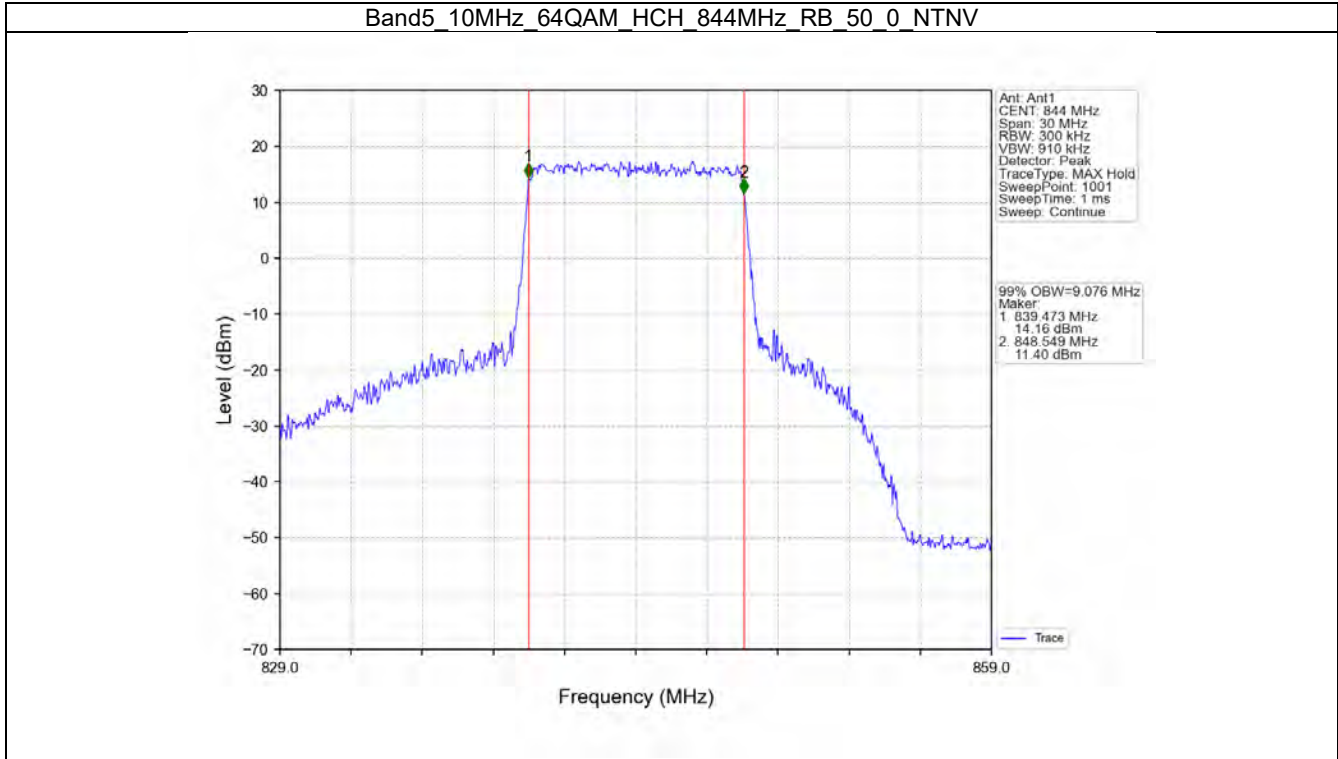
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3.2 Band5_XDB

3.2.1 Test Result

Band: 5 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.335	/	Pass
		836.5	6	0	1.308	/	Pass
		848.3	6	0	1.333	/	Pass
	16QAM	824.7	6	0	1.313	/	Pass
		836.5	6	0	1.316	/	Pass
		848.3	6	0	1.327	/	Pass
	64QAM	824.7	6	0	1.316	/	Pass
		836.5	6	0	1.309	/	Pass
		848.3	6	0	1.331	/	Pass
3	QPSK	825.5	15	0	3.021	/	Pass
		836.5	15	0	3.030	/	Pass
		847.5	15	0	3.022	/	Pass
	16QAM	825.5	15	0	3.064	/	Pass
		836.5	15	0	3.008	/	Pass
		847.5	15	0	3.042	/	Pass
	64QAM	825.5	15	0	3.029	/	Pass
		836.5	15	0	3.024	/	Pass
		847.5	15	0	3.030	/	Pass
5	QPSK	826.5	25	0	5.095	/	Pass
		836.5	25	0	5.071	/	Pass
		846.5	25	0	5.056	/	Pass
	16QAM	826.5	25	0	5.065	/	Pass
		836.5	25	0	5.050	/	Pass
		846.5	25	0	5.074	/	Pass
	64QAM	826.5	25	0	5.035	/	Pass
		836.5	25	0	5.048	/	Pass
		846.5	25	0	5.038	/	Pass
10	QPSK	829	50	0	10.018	/	Pass
		836.5	50	0	10.018	/	Pass
		844	50	0	10.024	/	Pass
	16QAM	829	50	0	9.917	/	Pass
		836.5	50	0	10.014	/	Pass
		844	50	0	9.949	/	Pass
	64QAM	829	50	0	10.028	/	Pass
		836.5	50	0	9.855	/	Pass
		844	50	0	9.986	/	Pass



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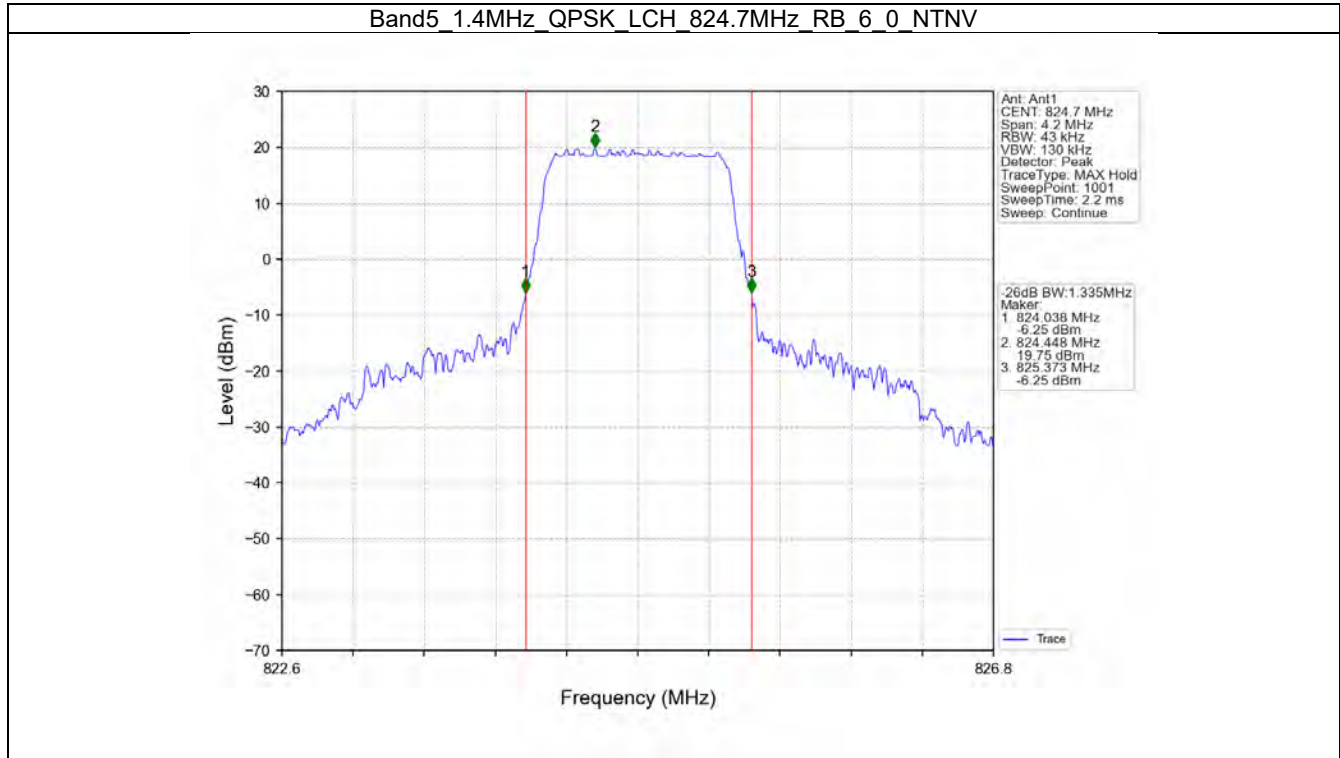
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3.2.2 Test Graph



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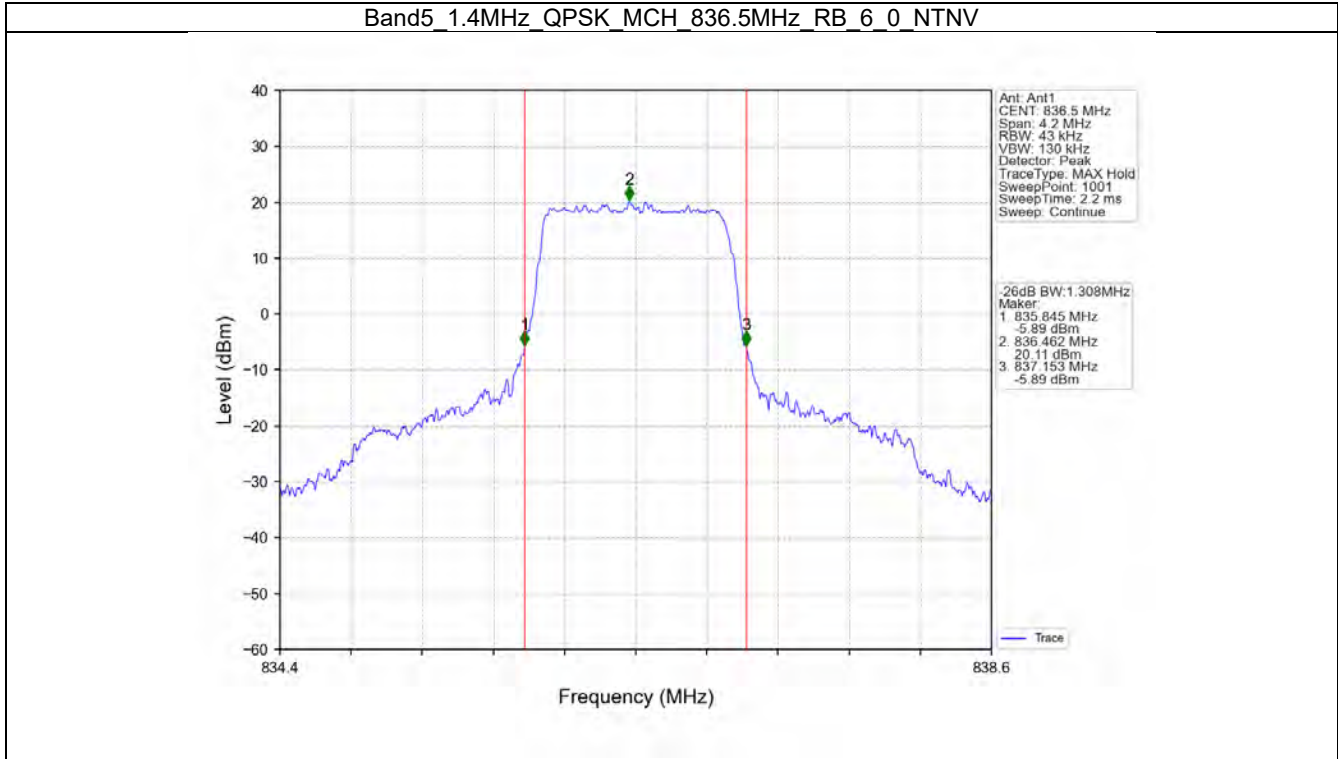
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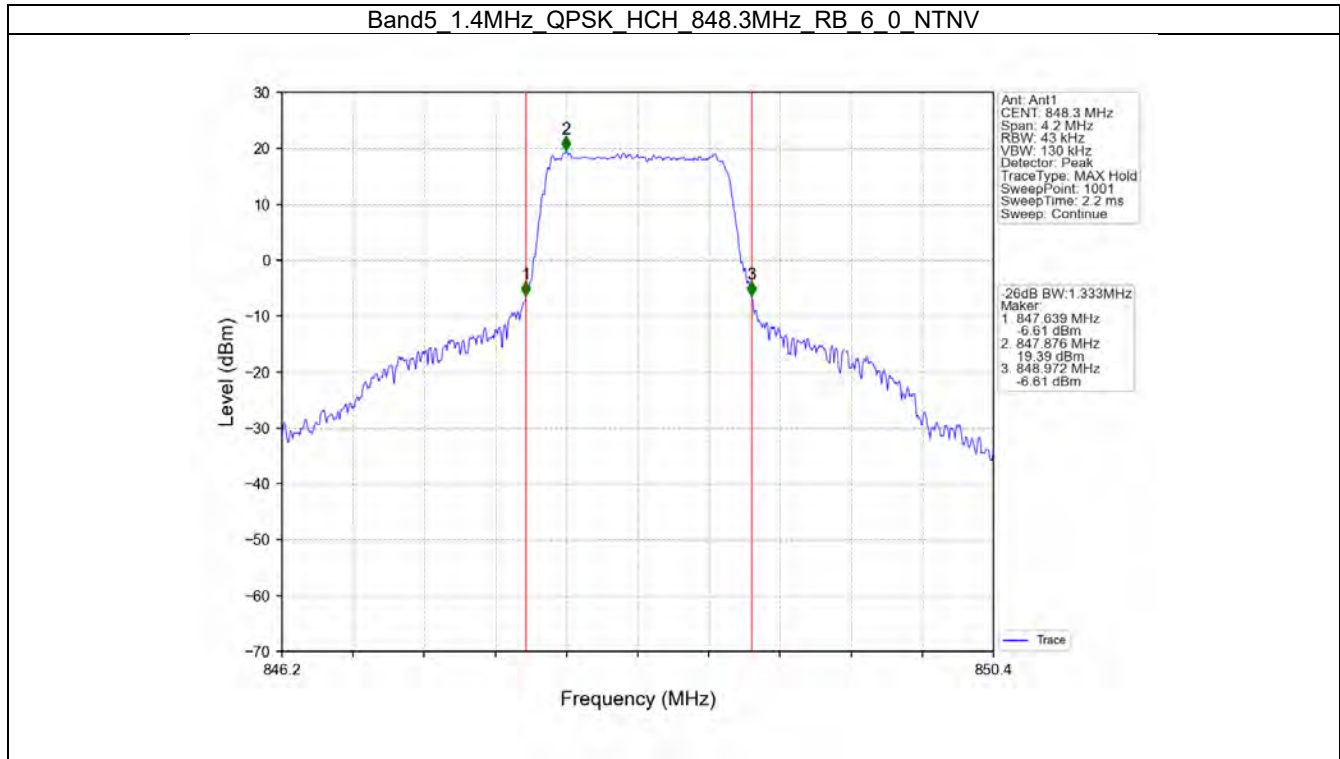


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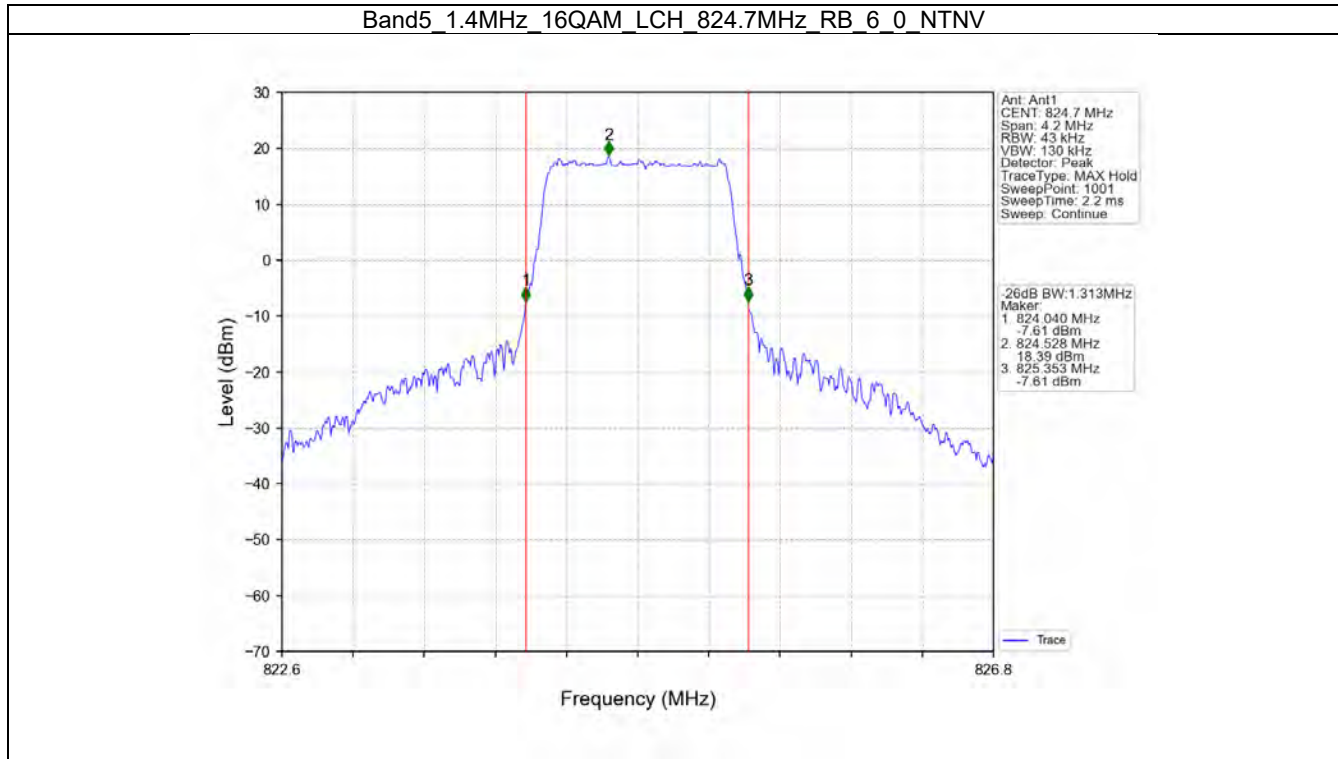


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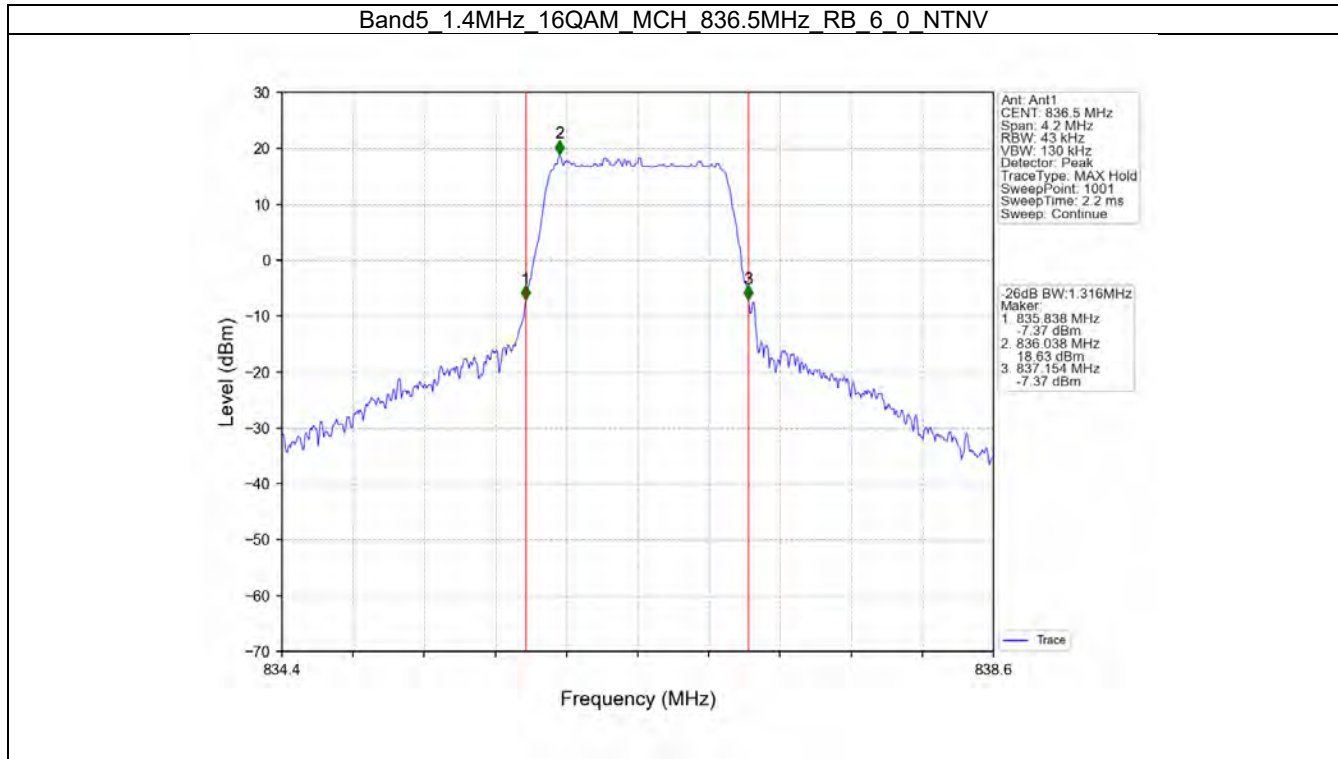


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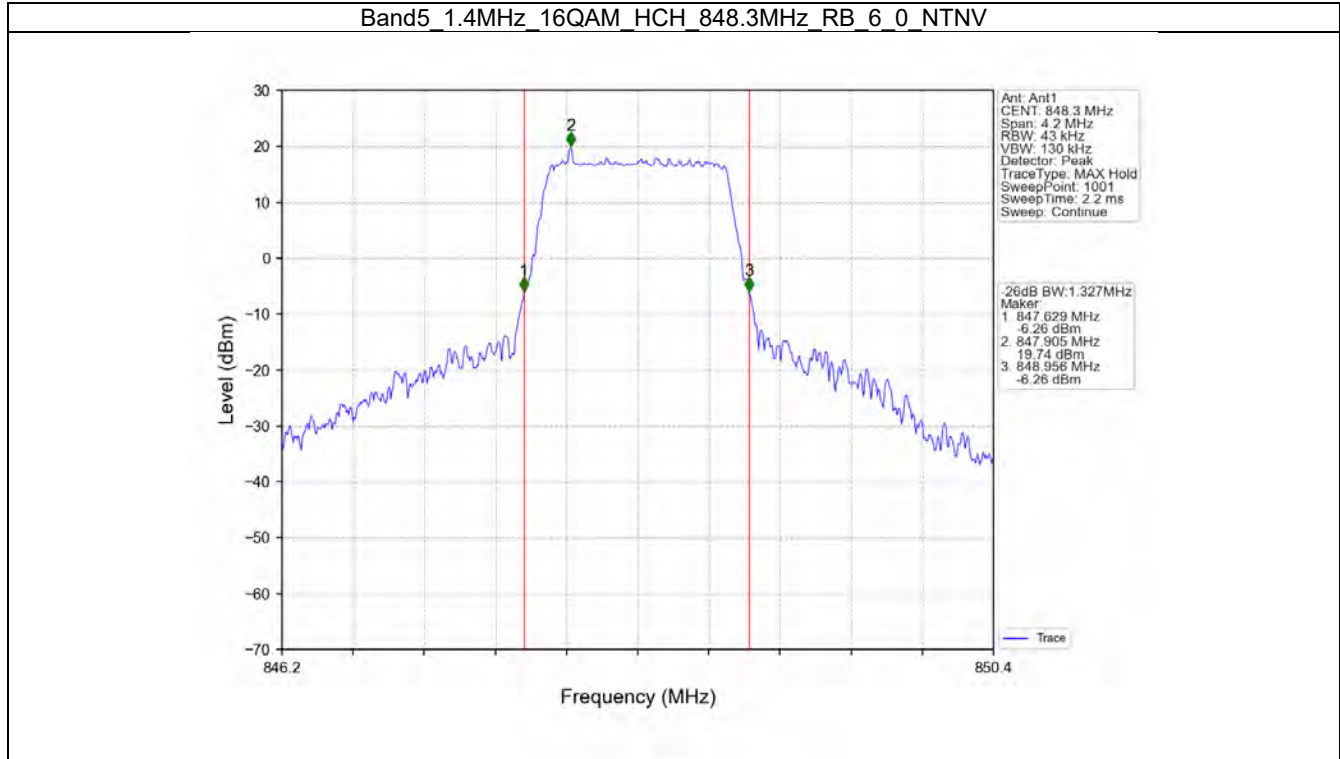
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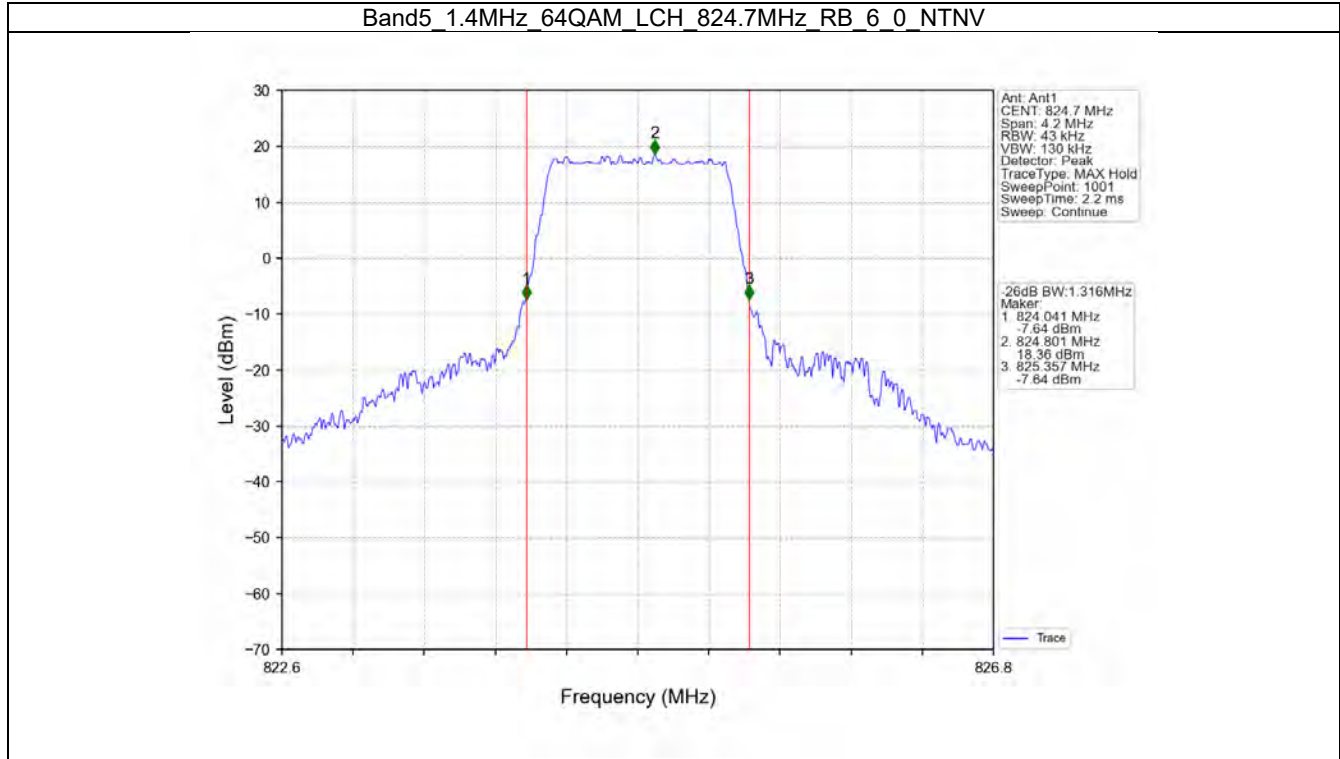
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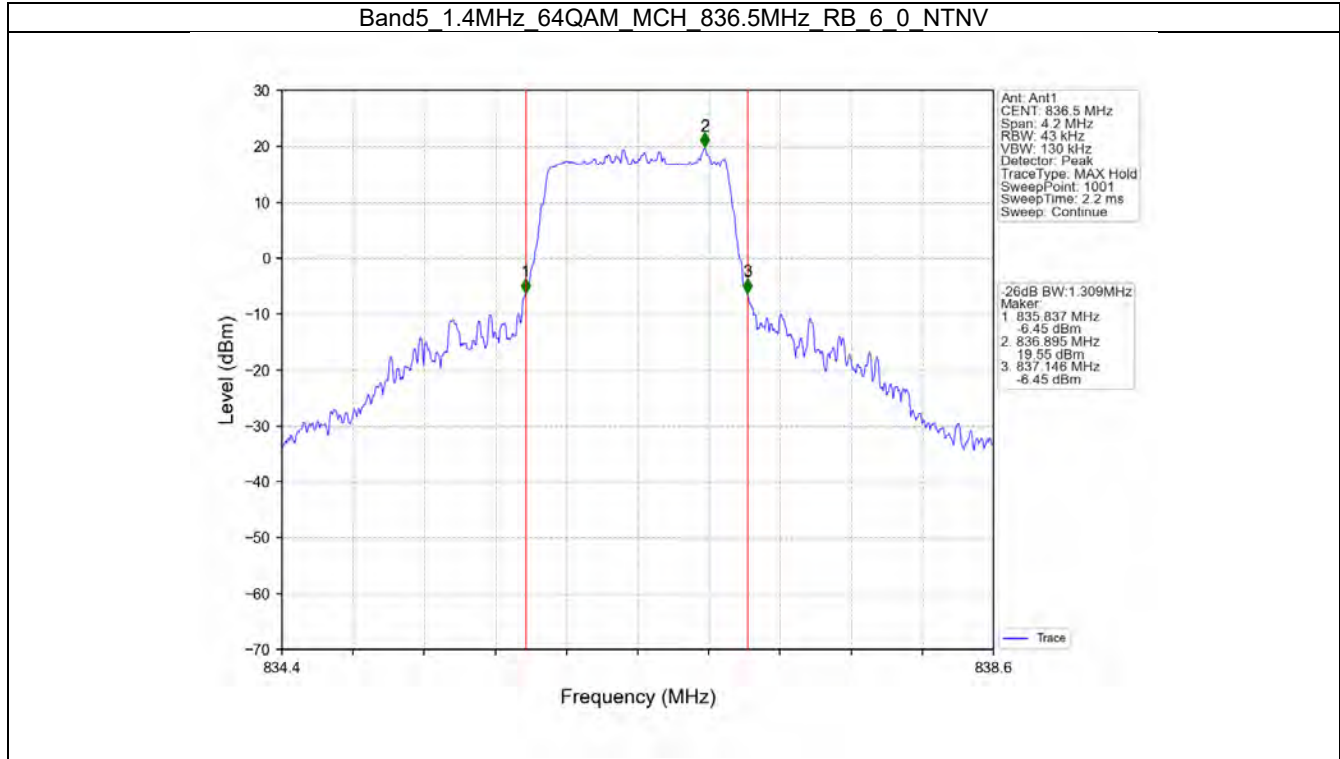
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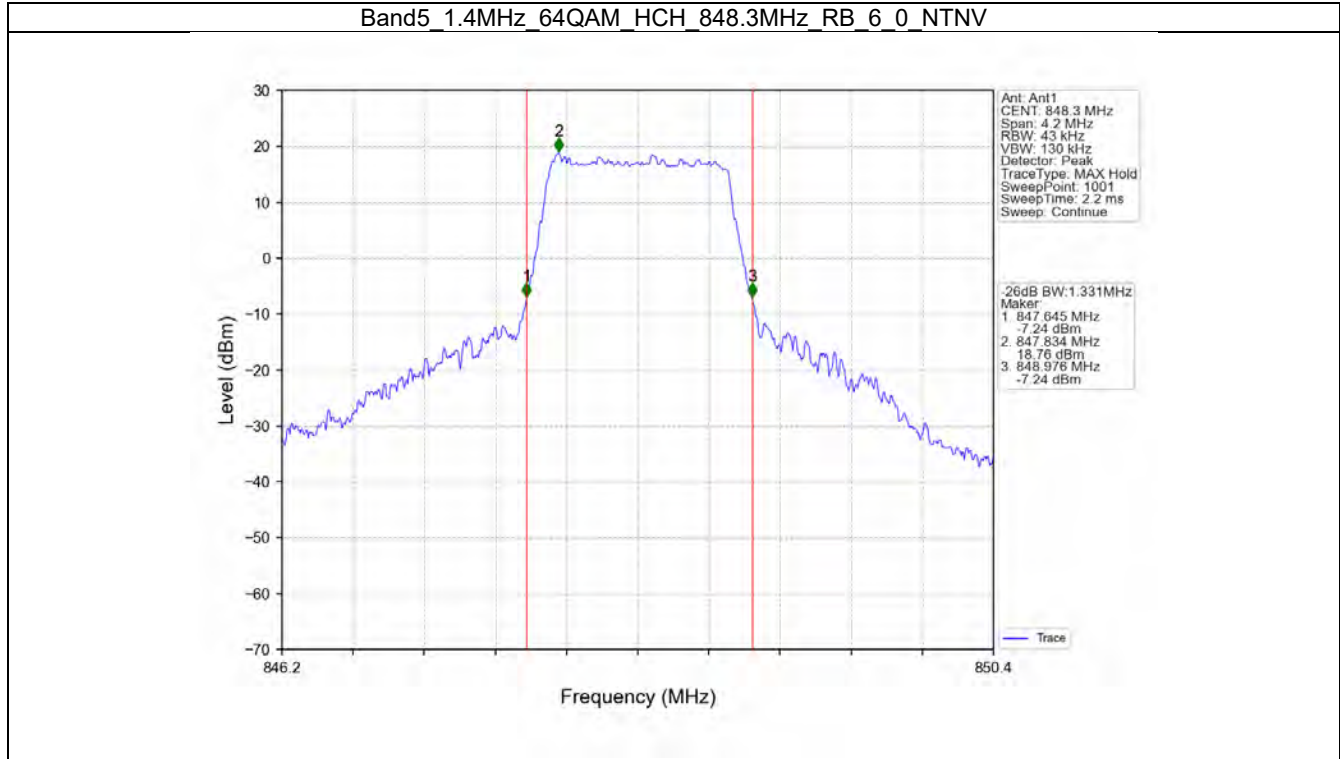
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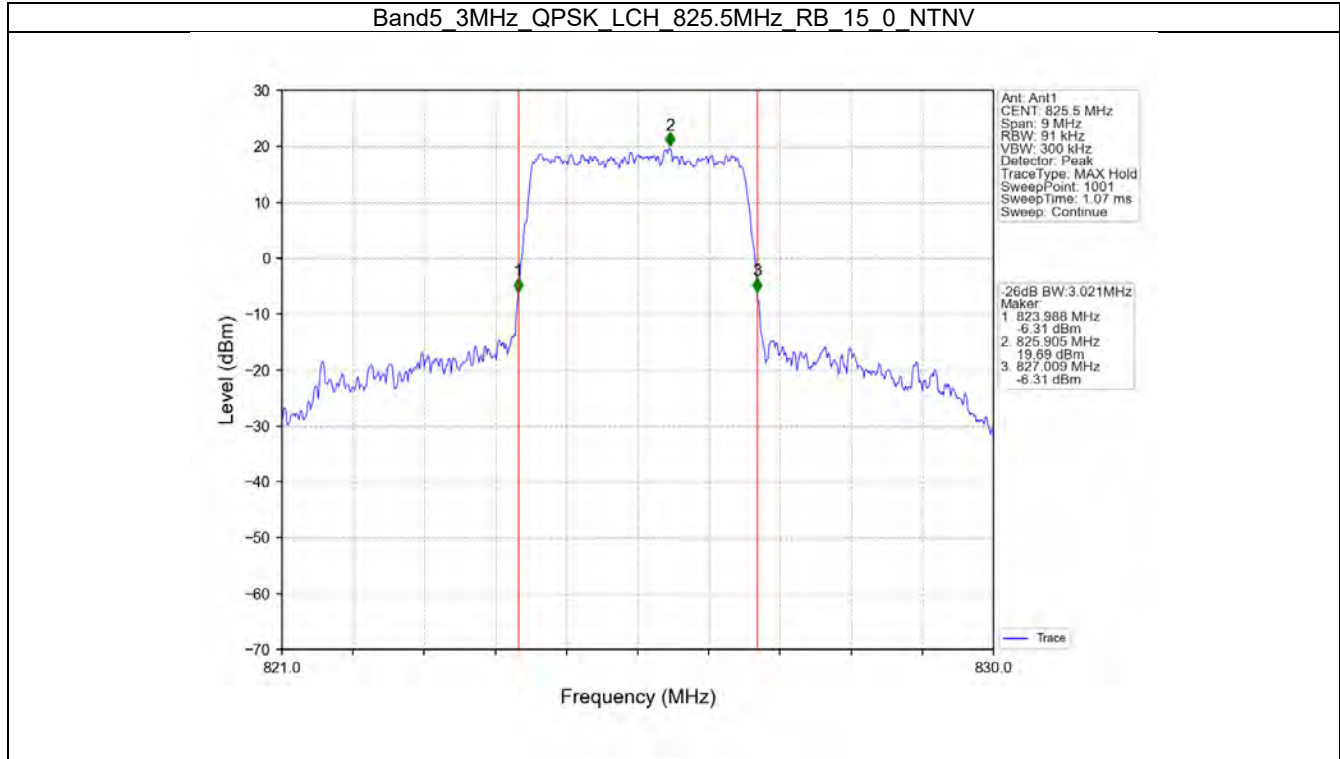
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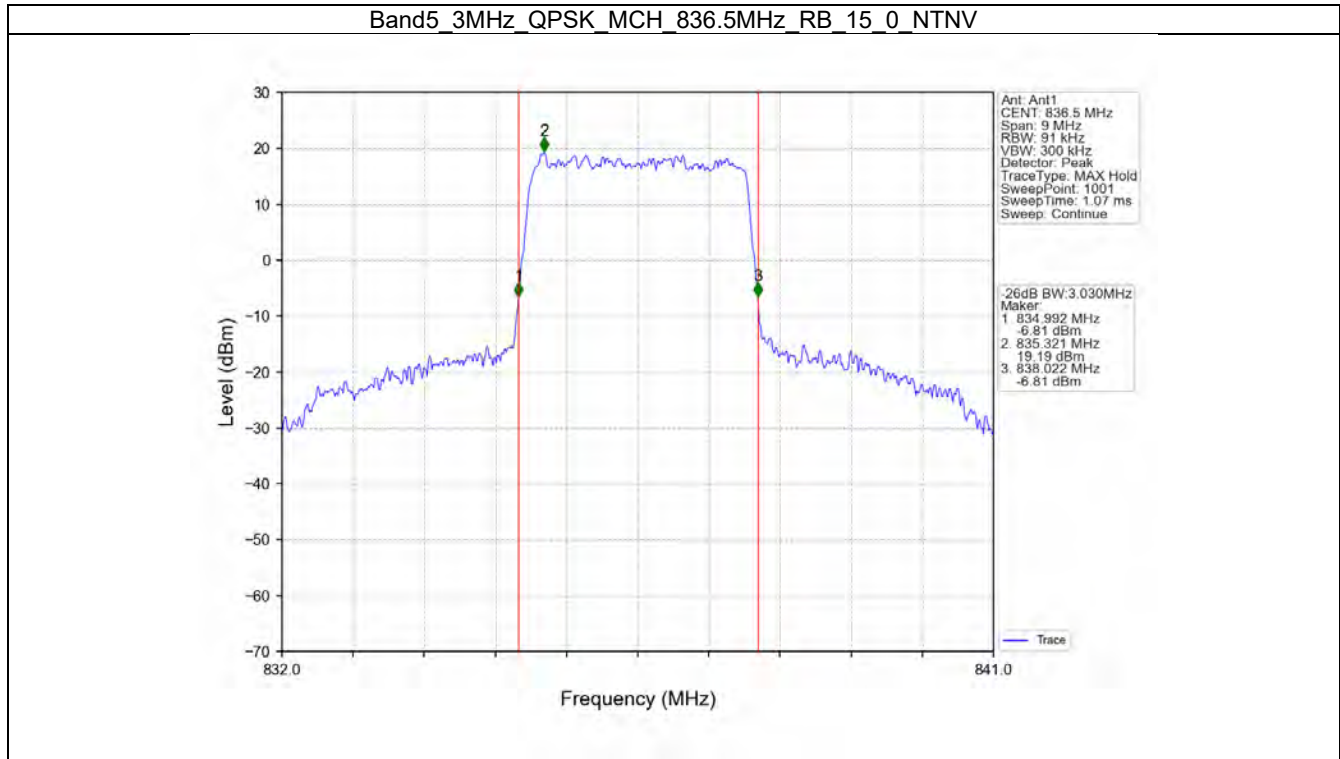


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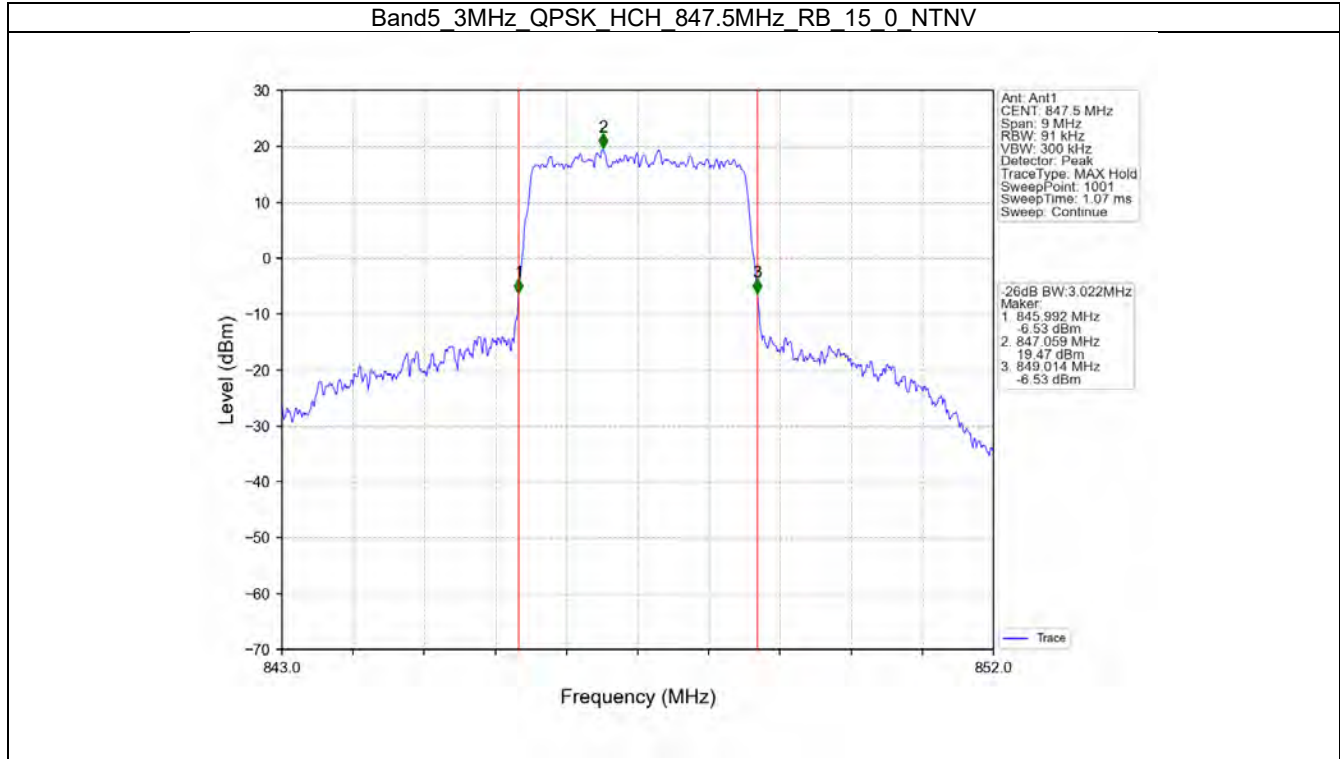
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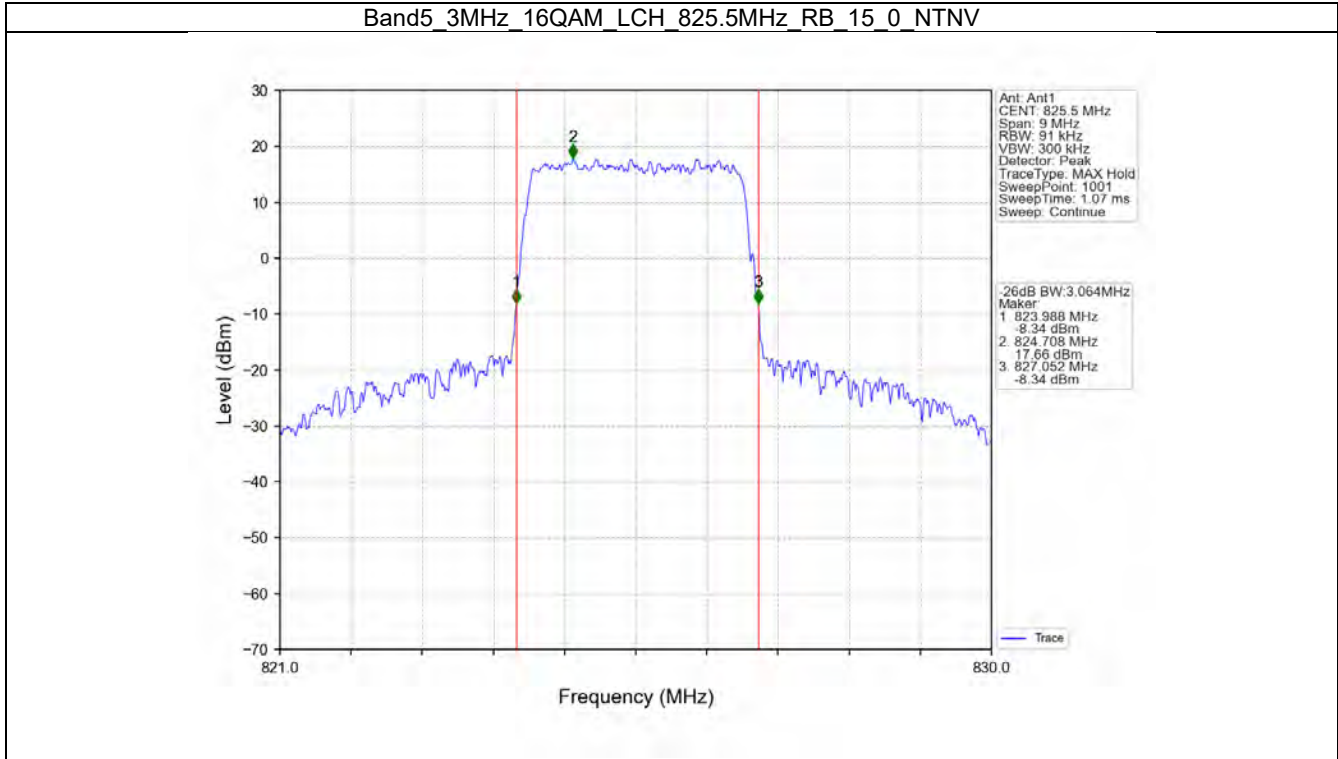
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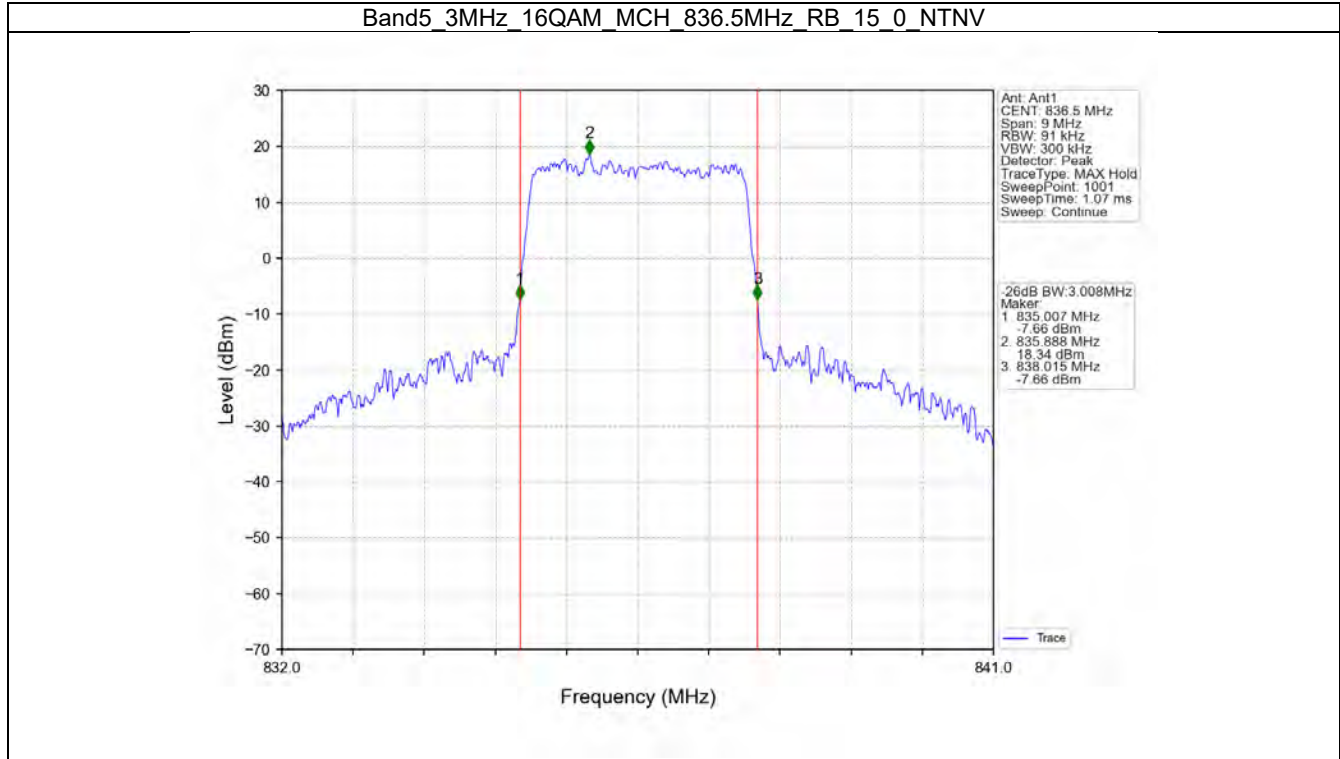
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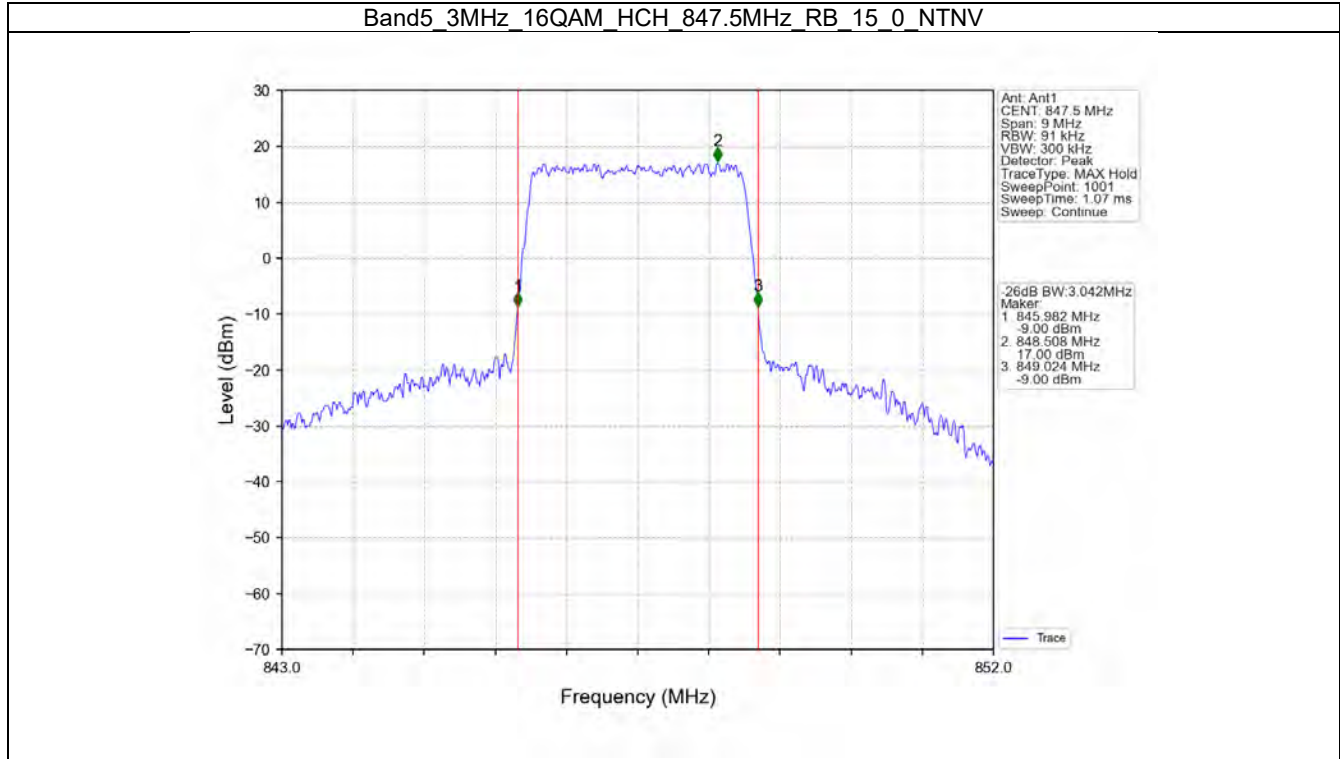
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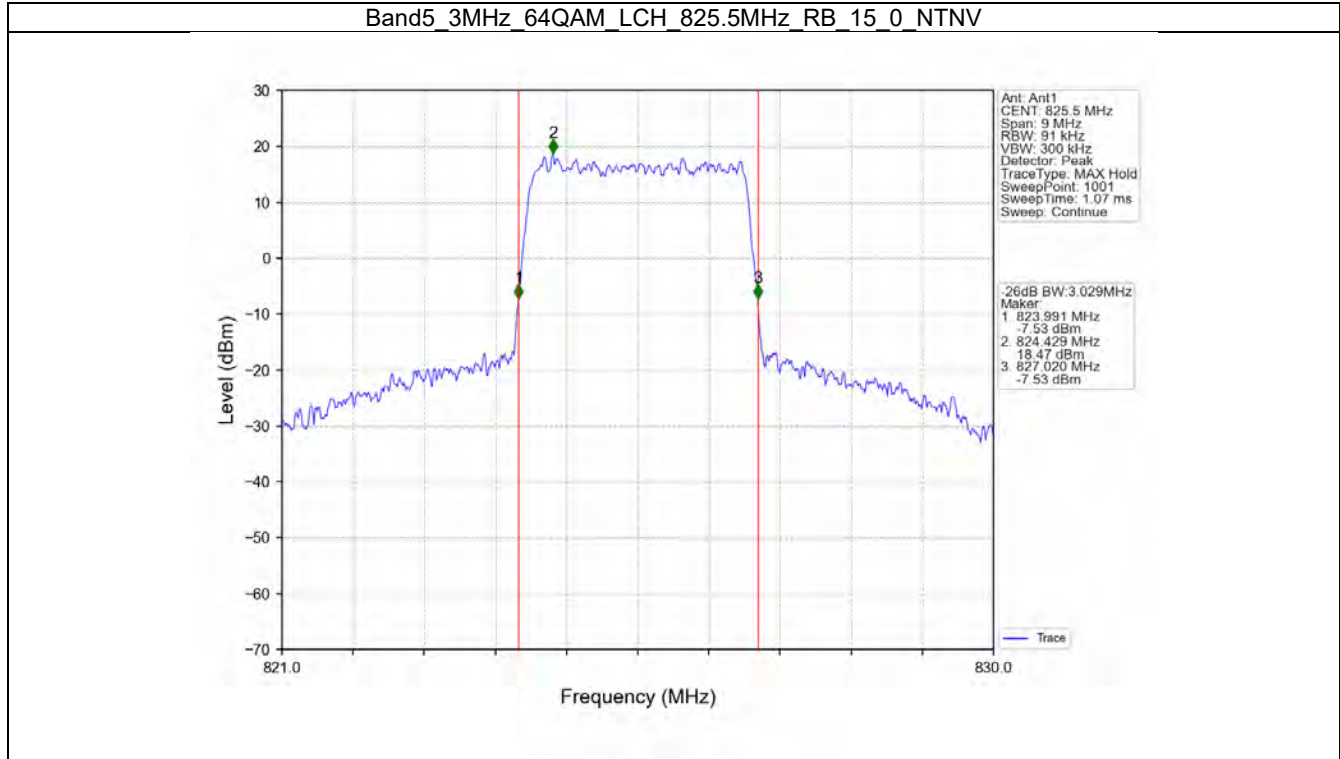
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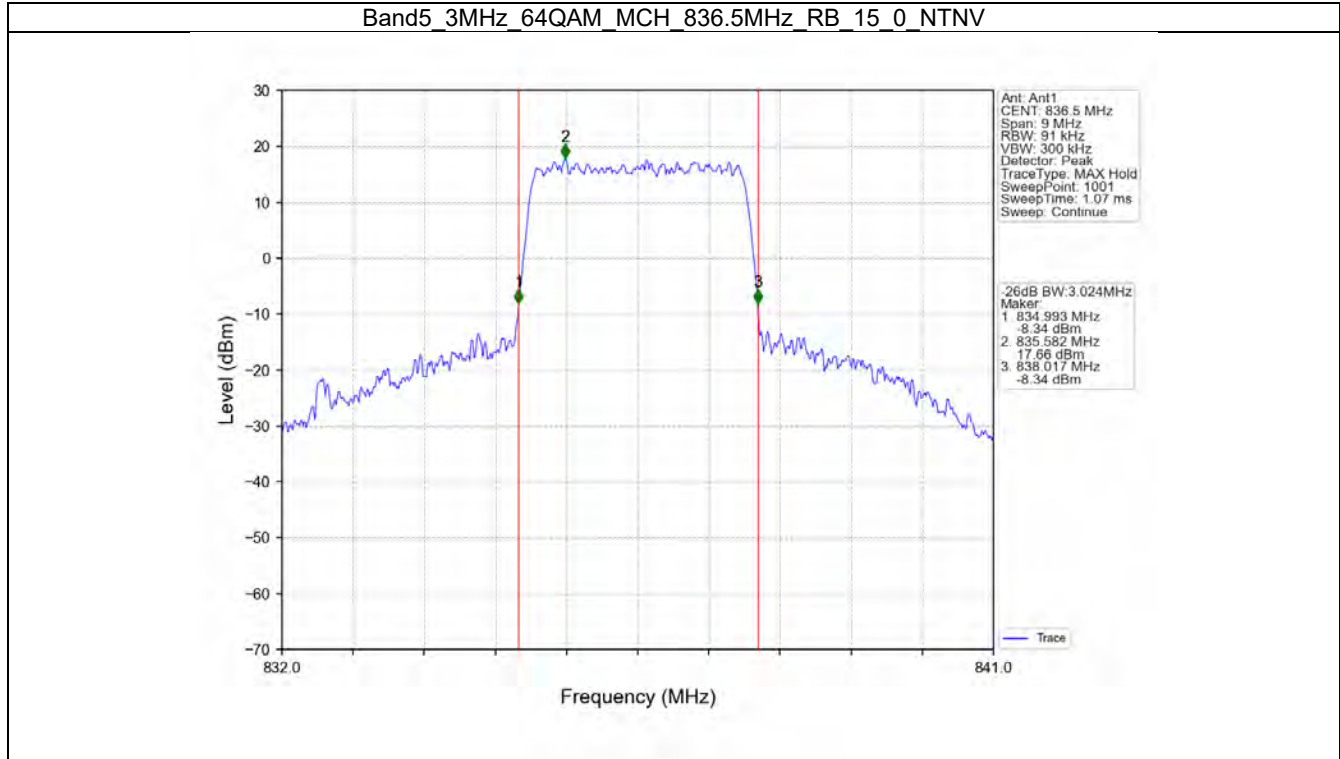
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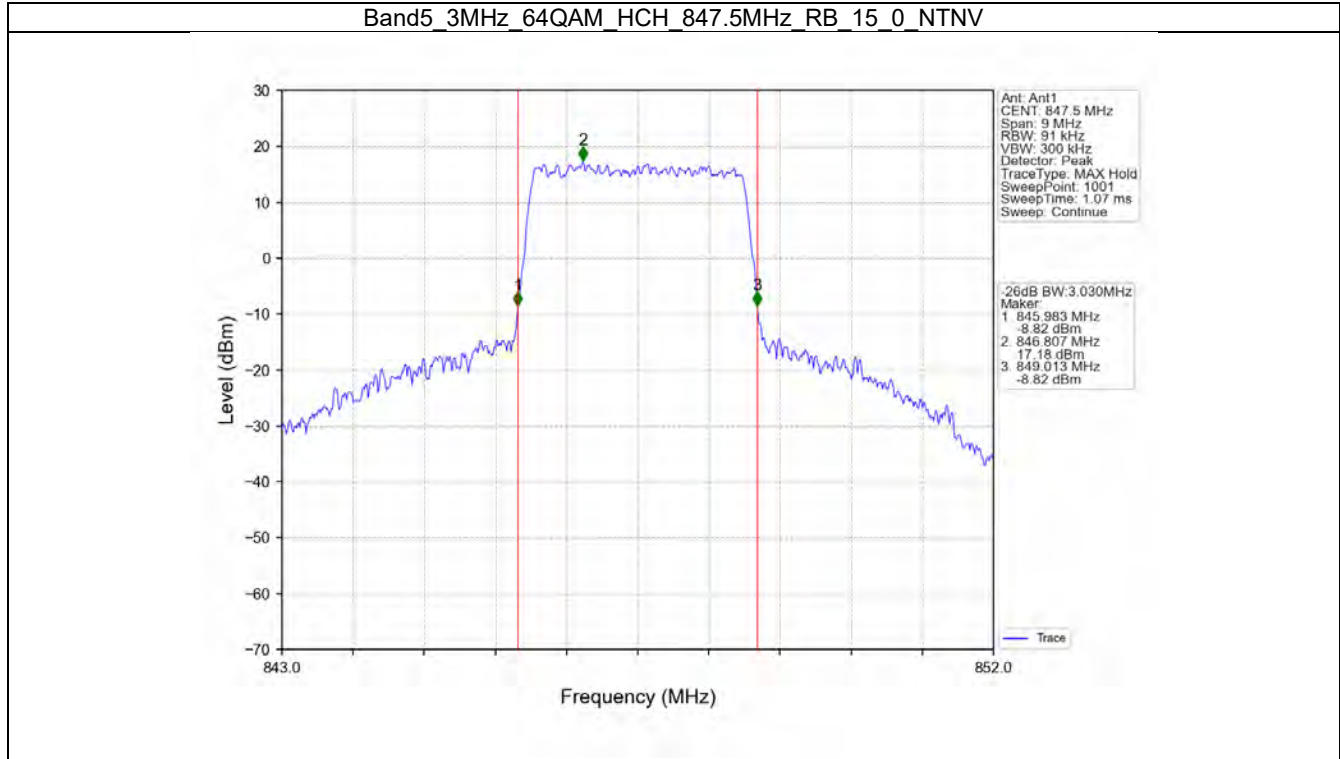
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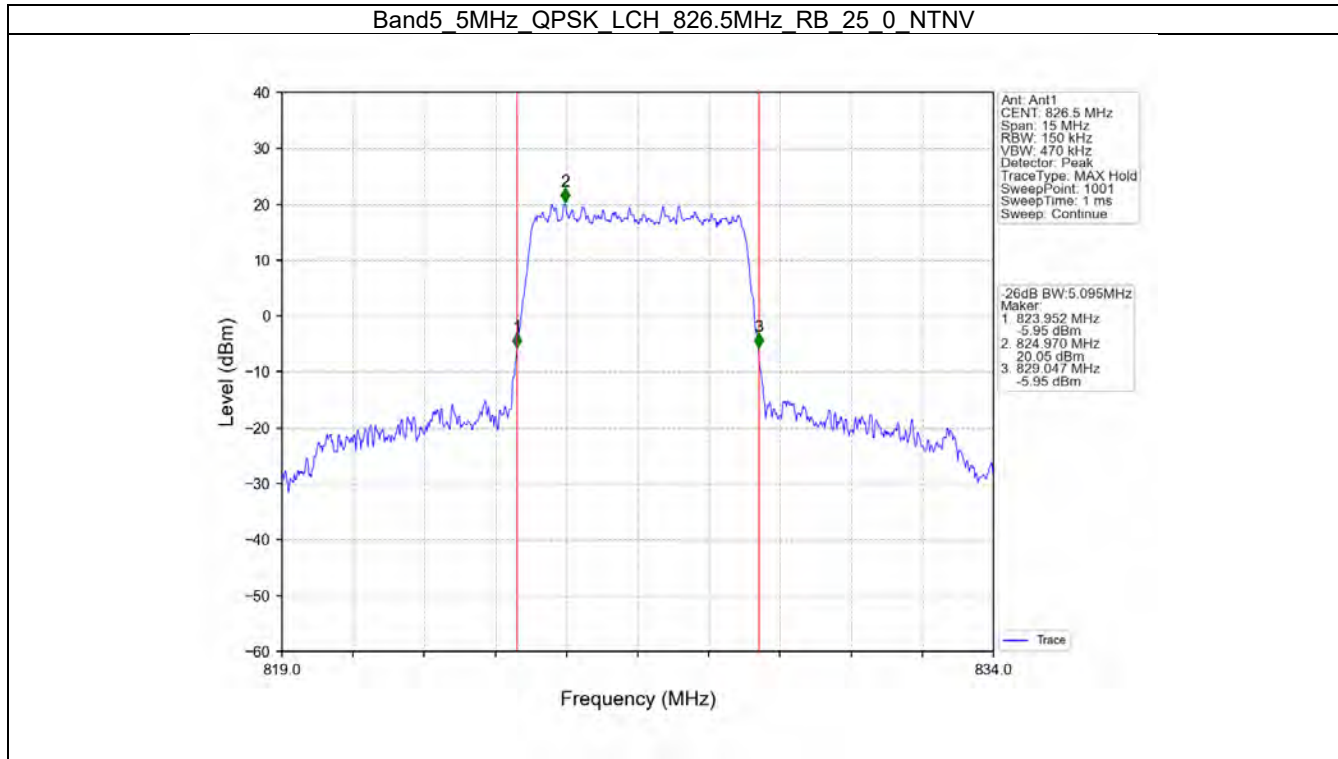


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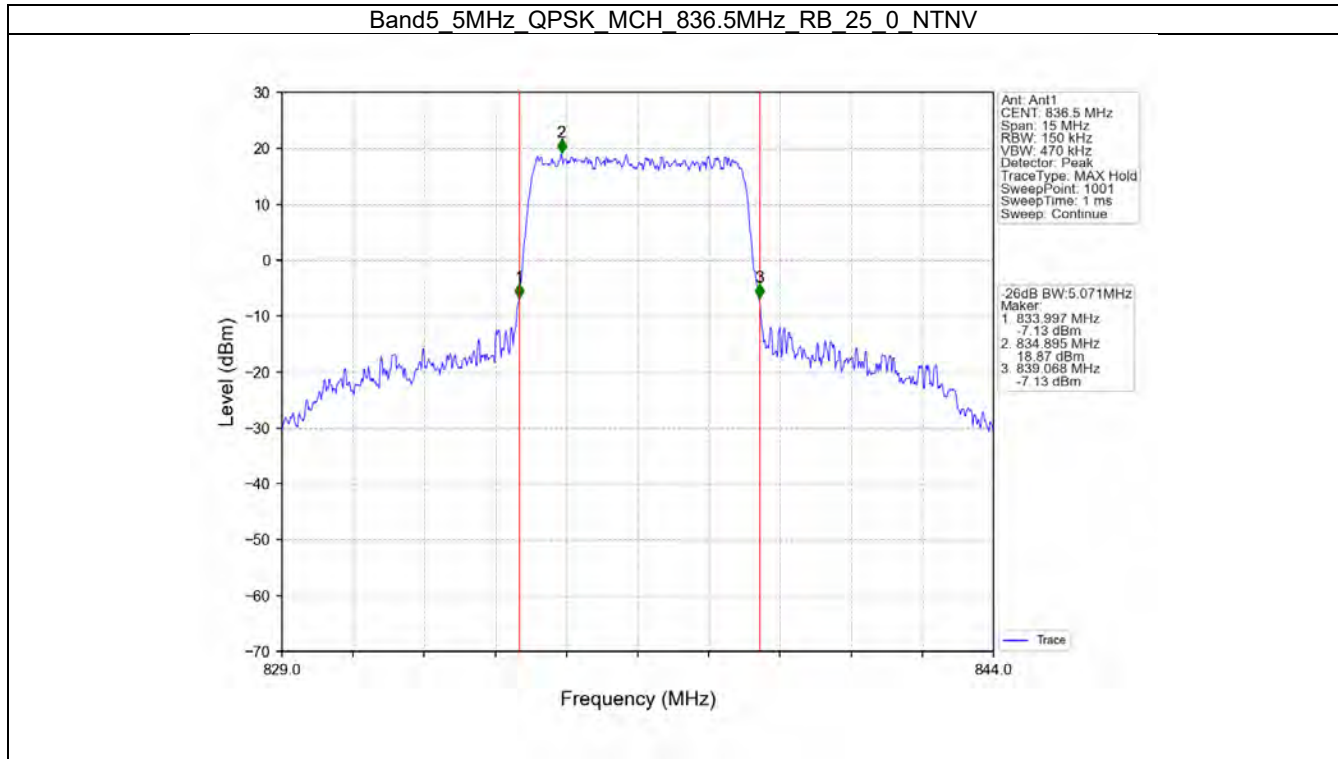


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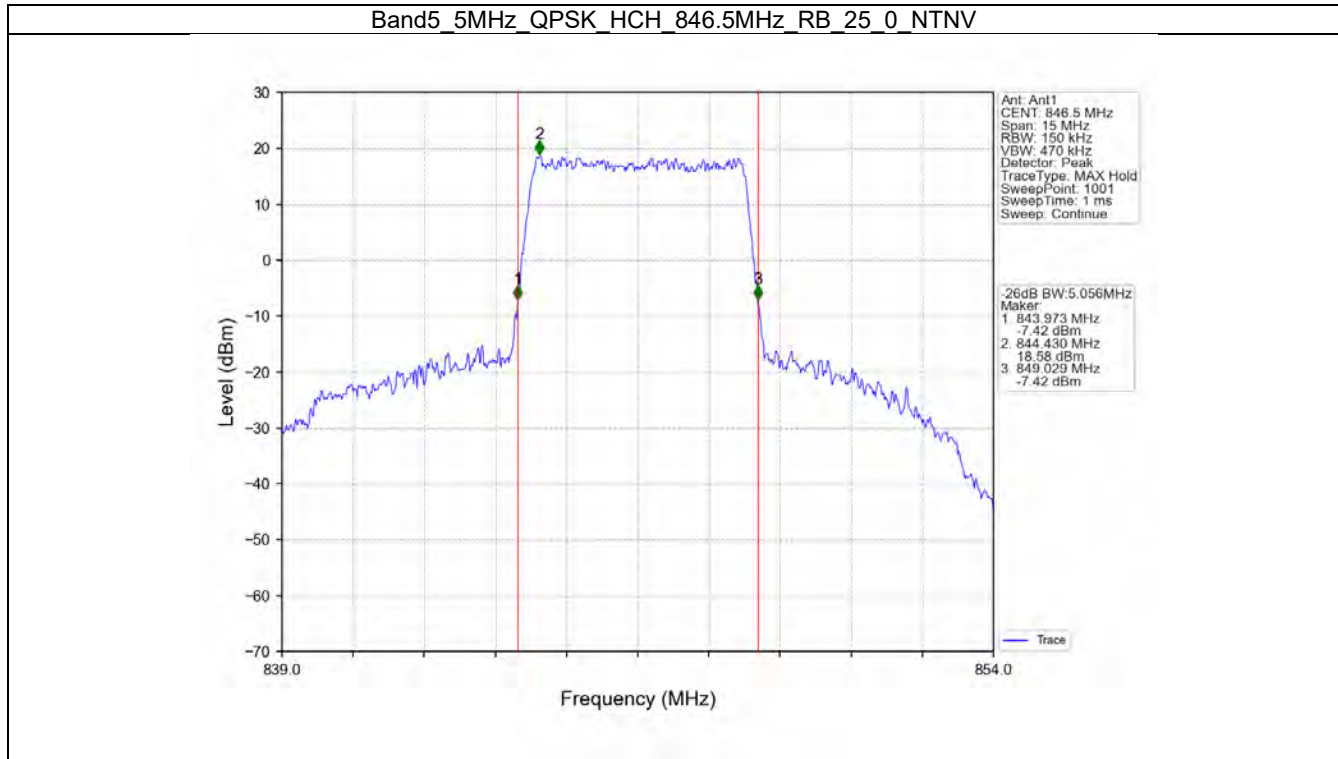


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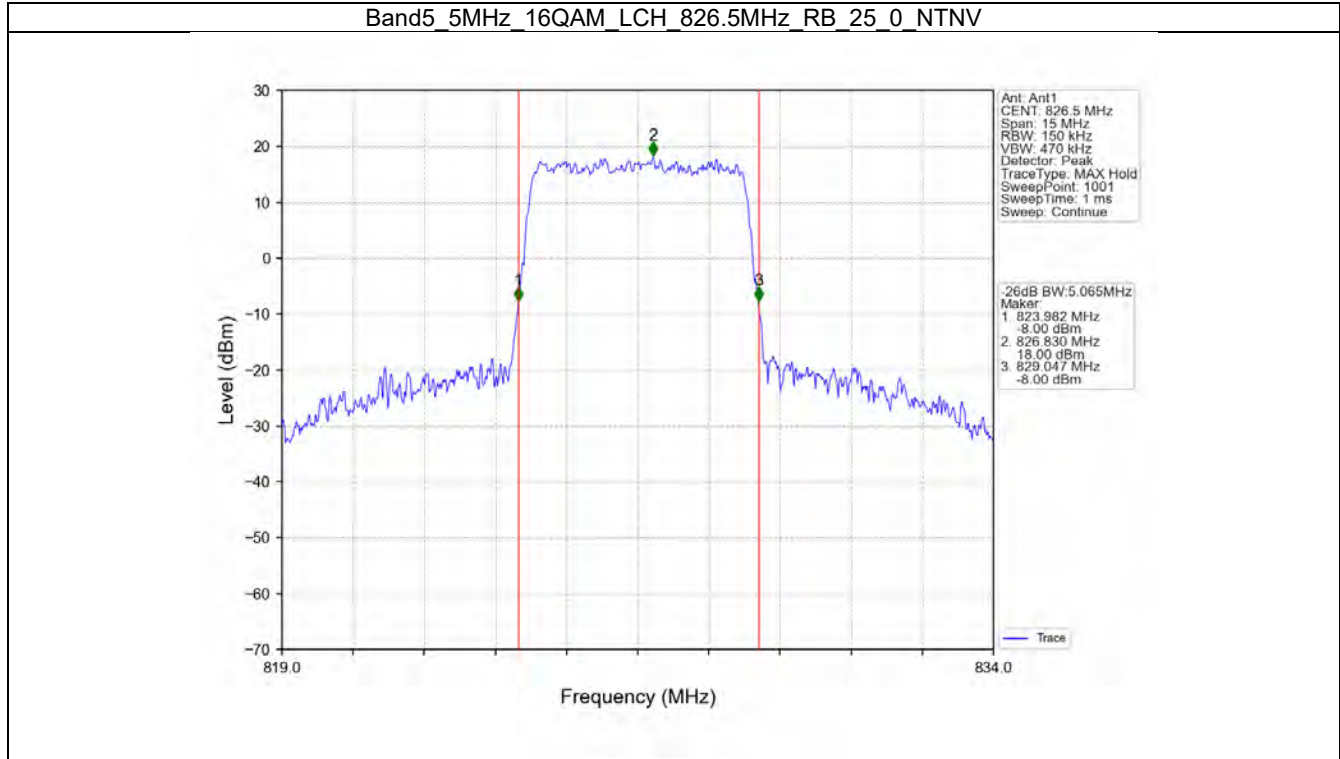
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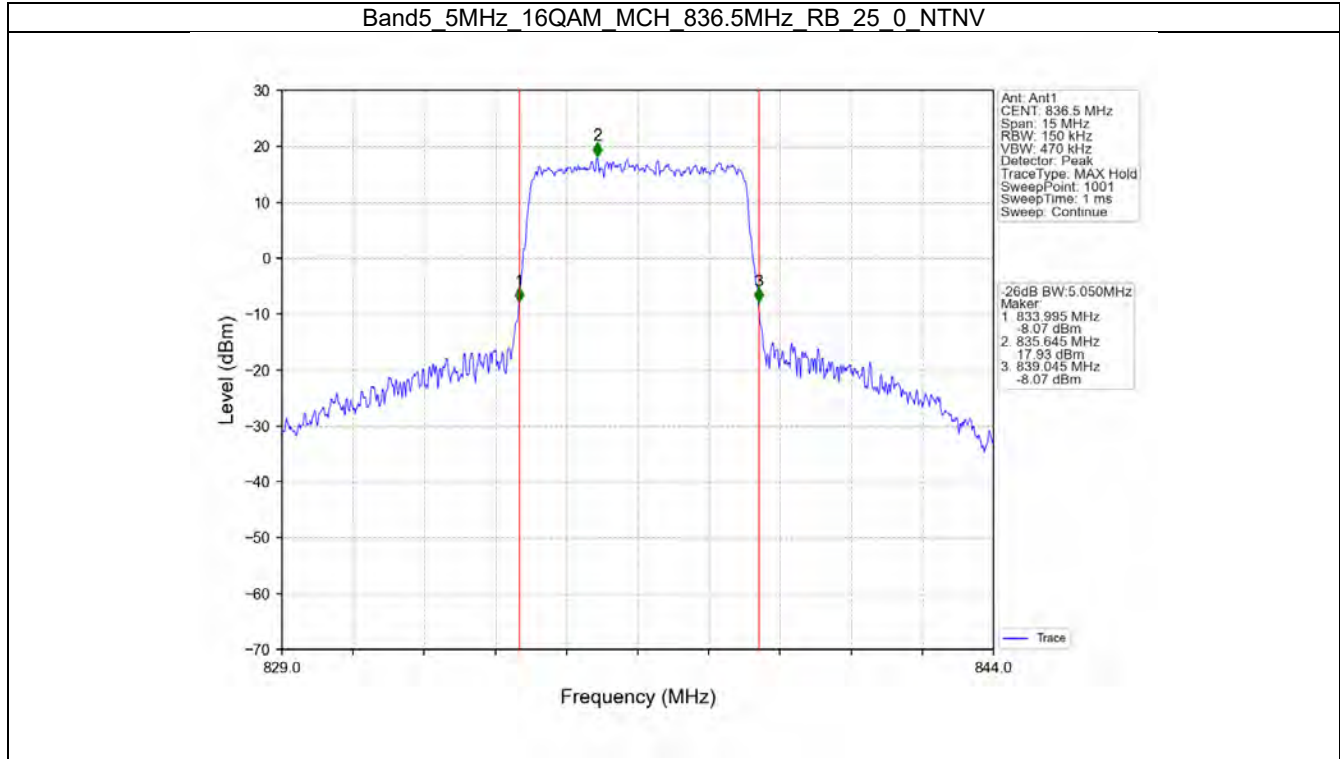
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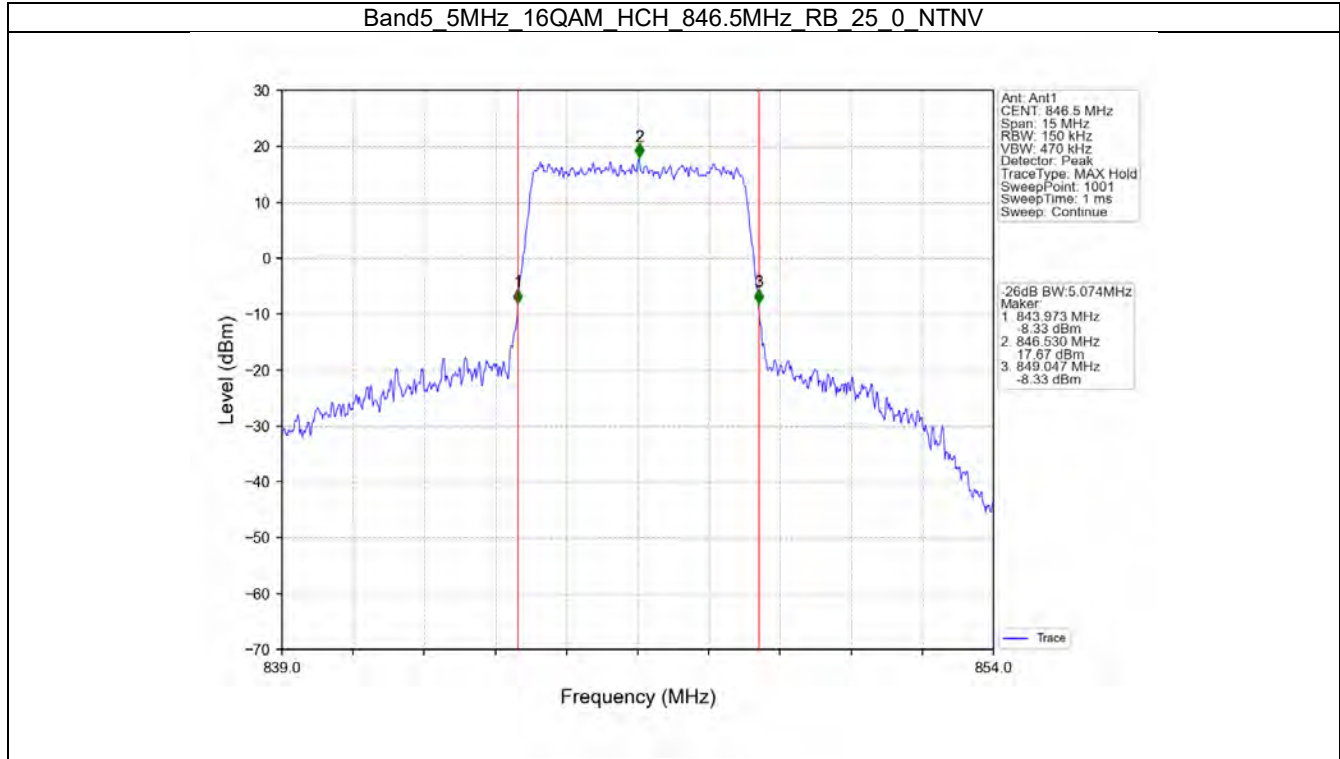
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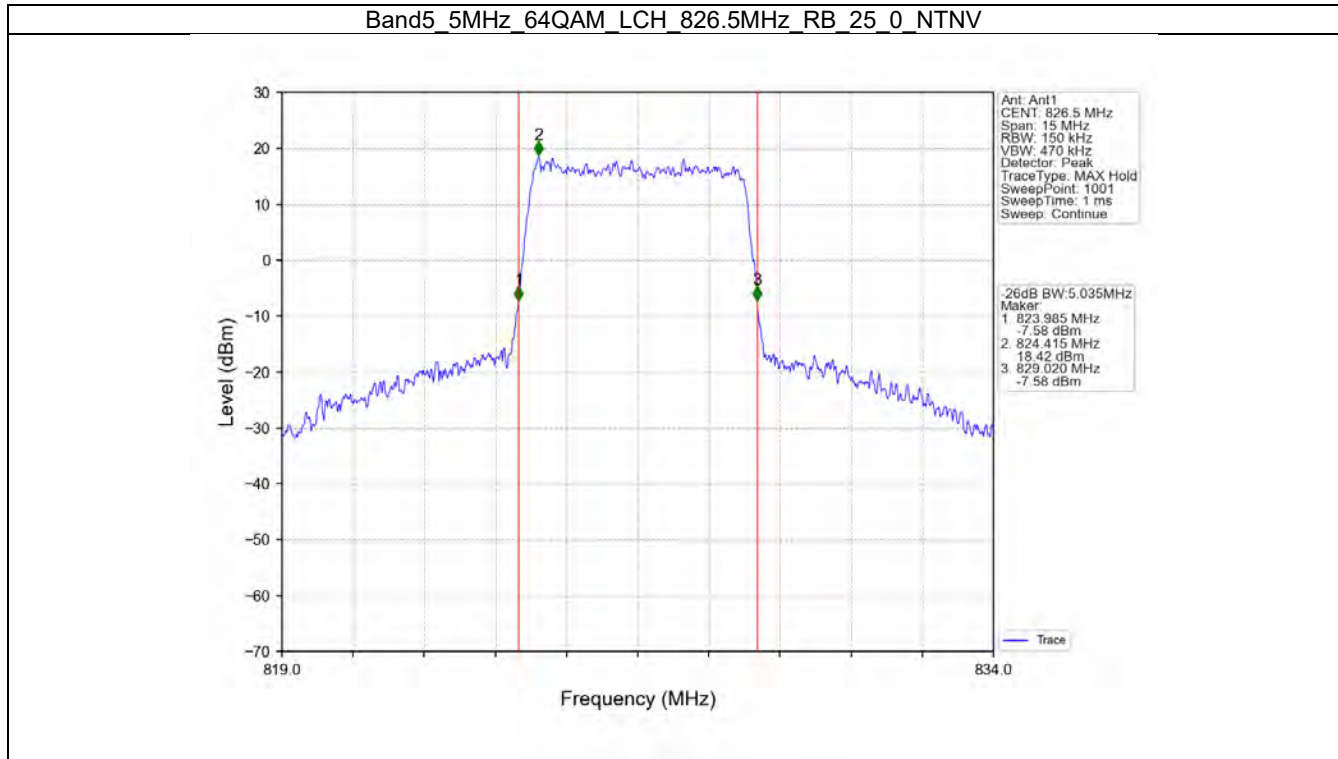


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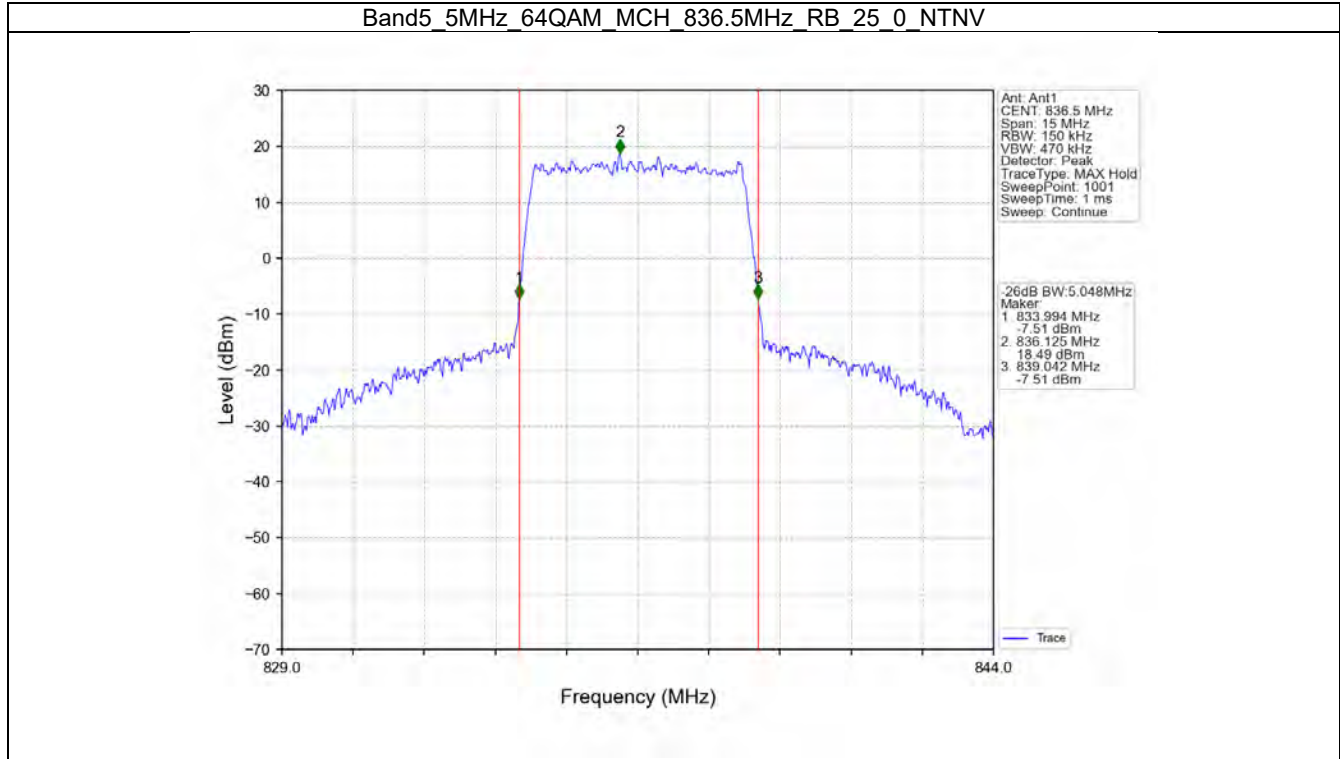
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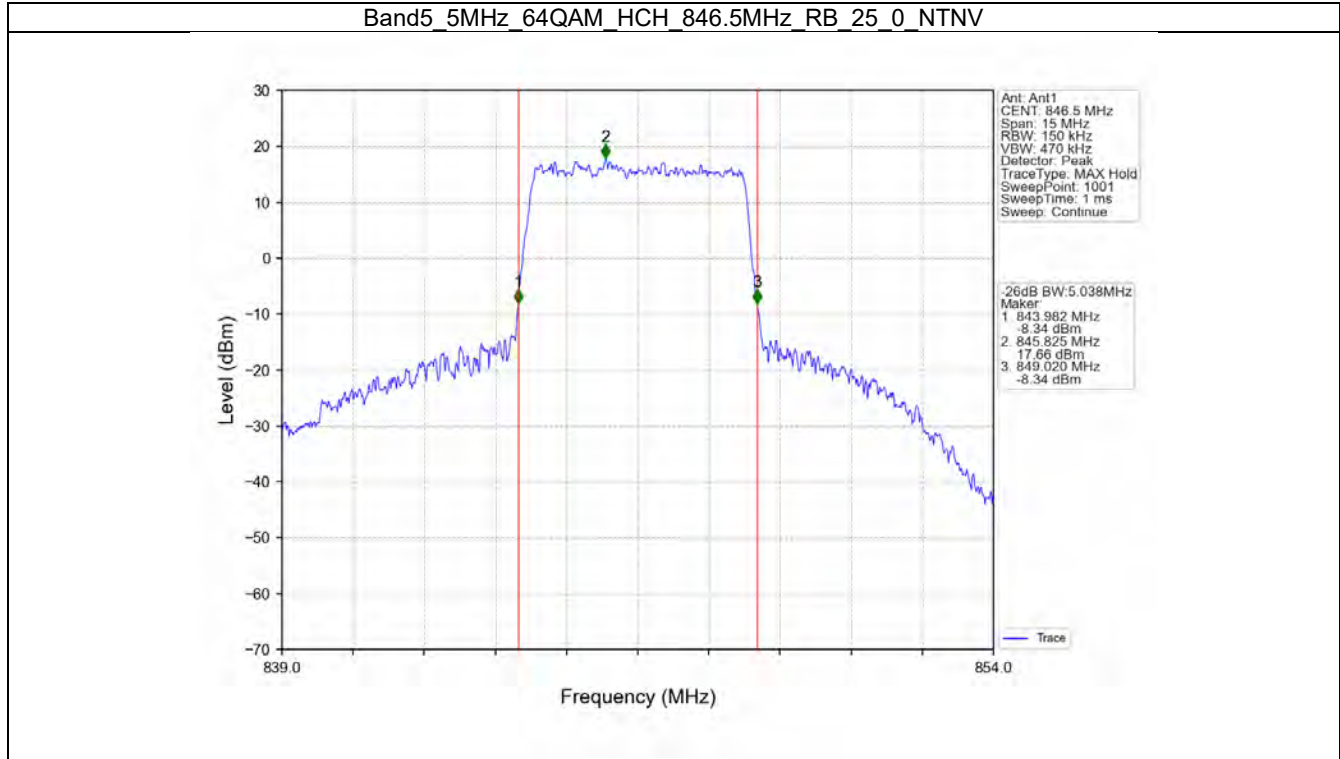
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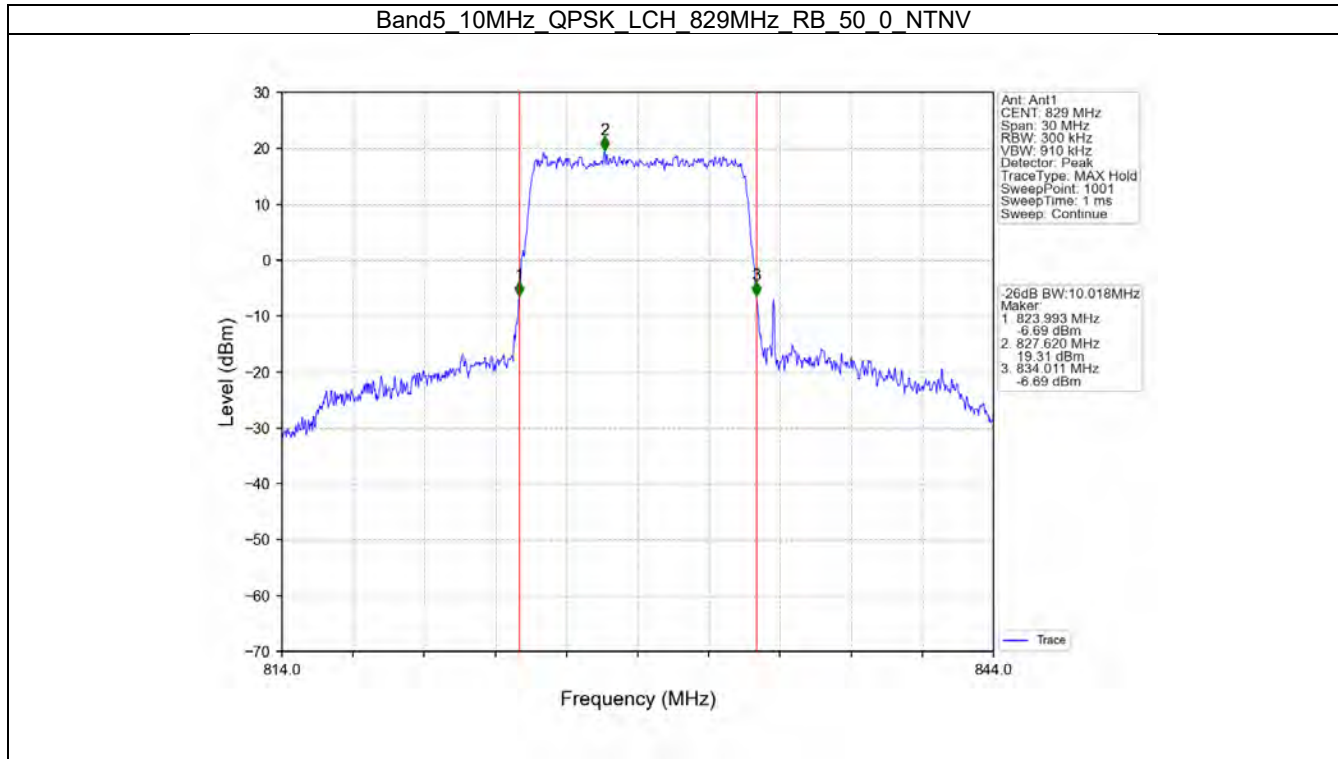


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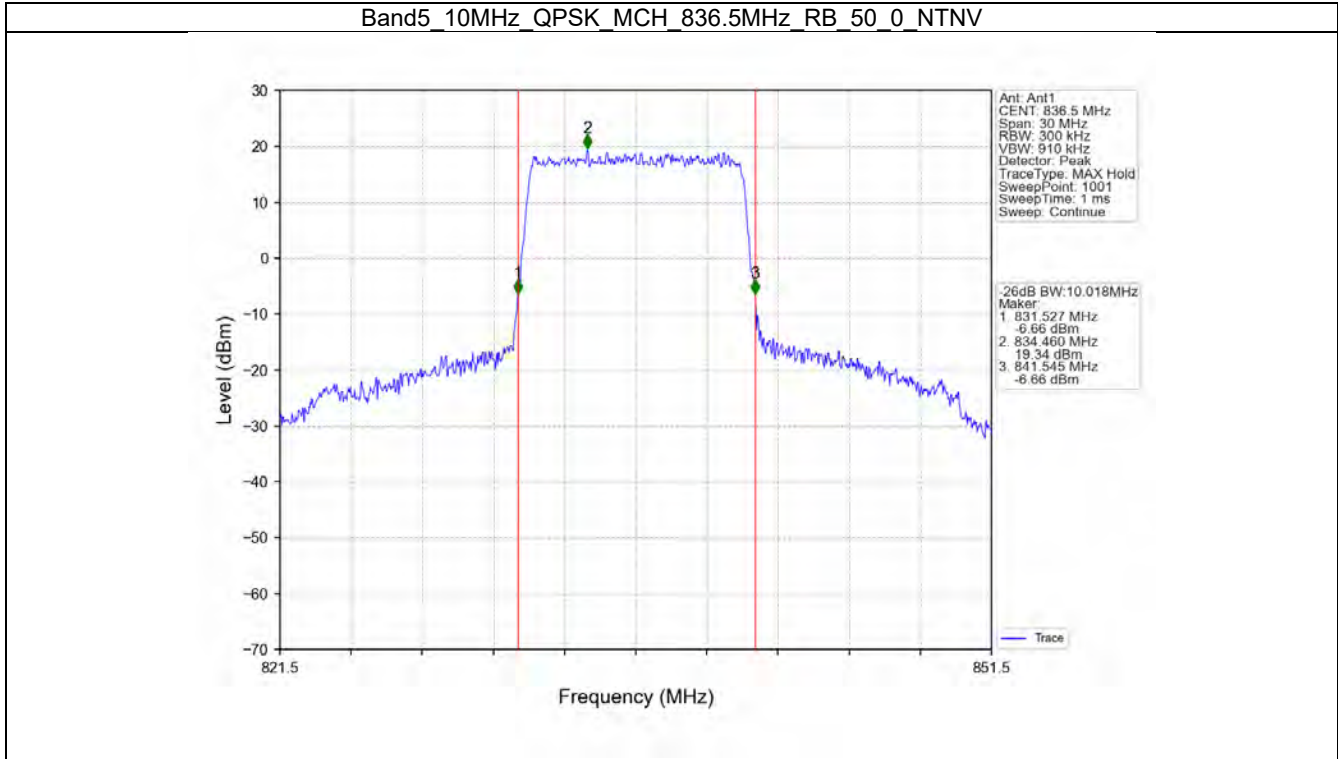
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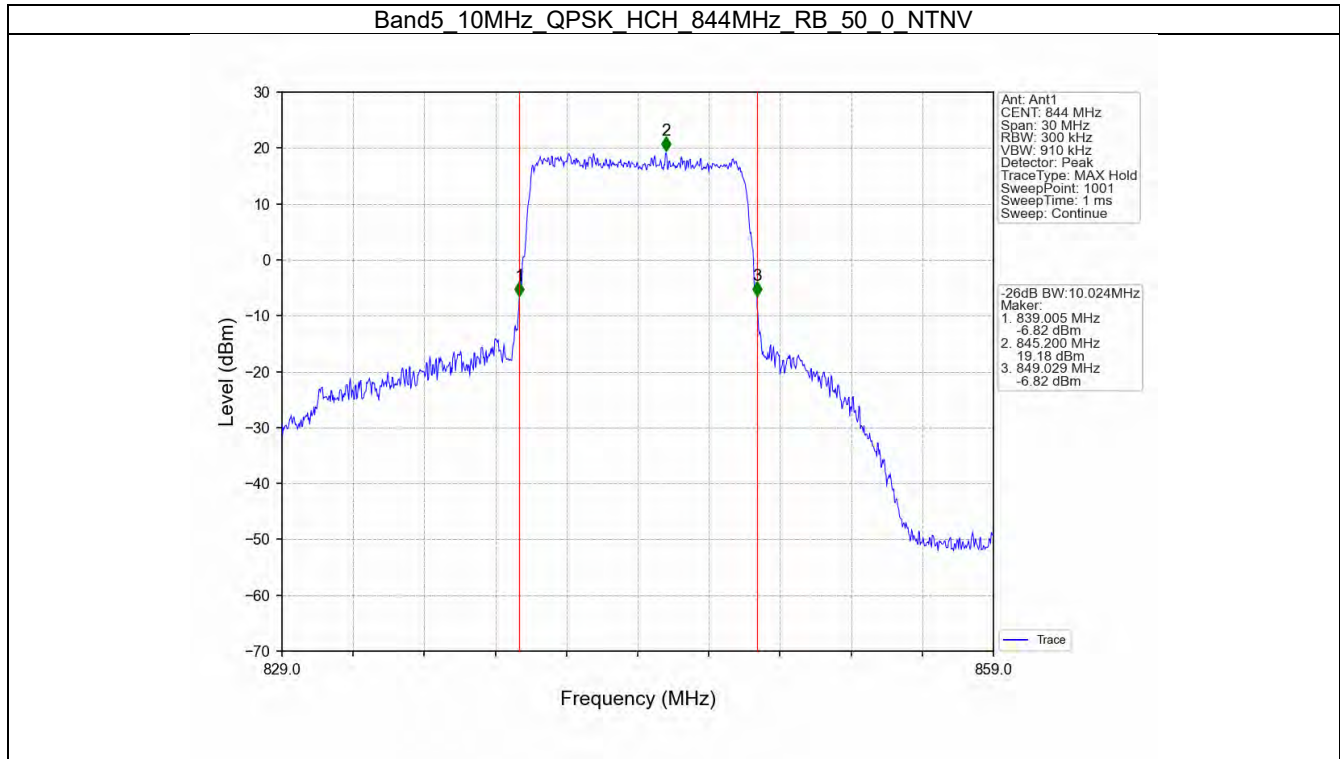
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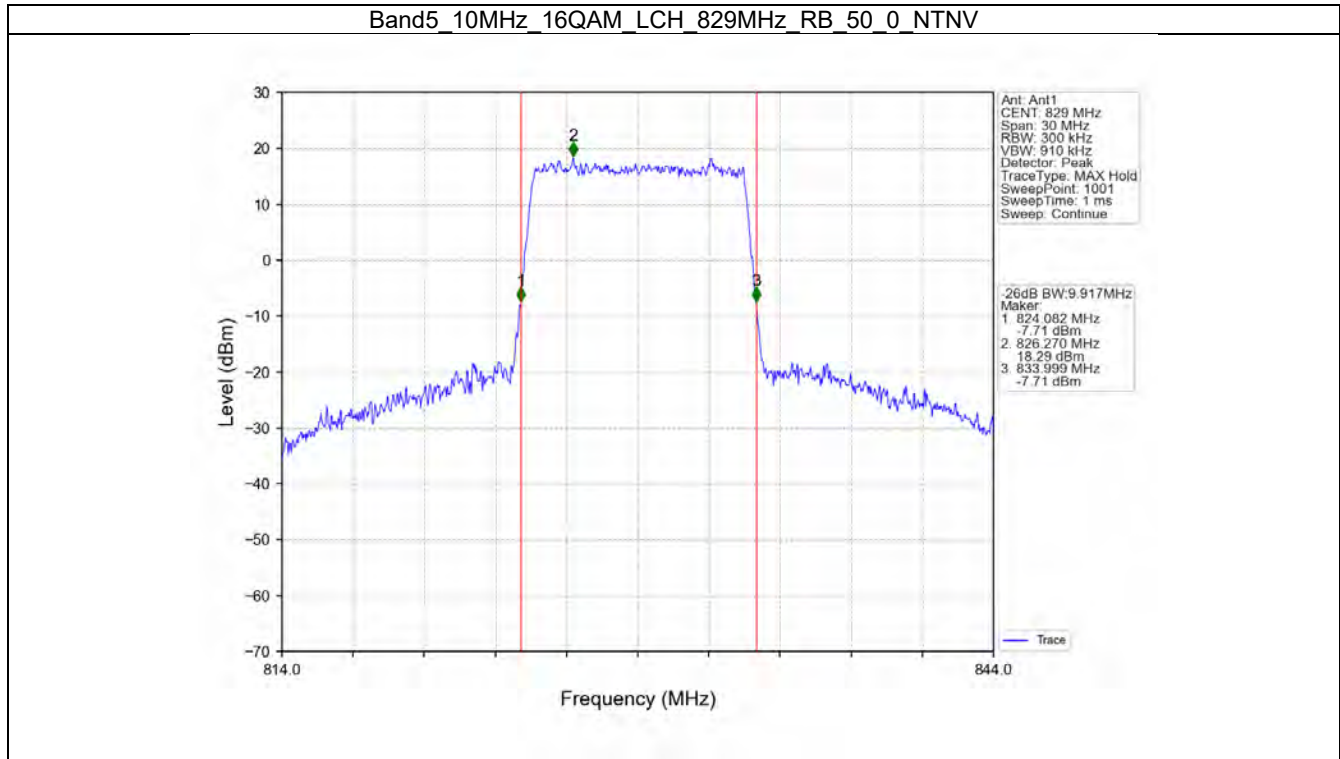
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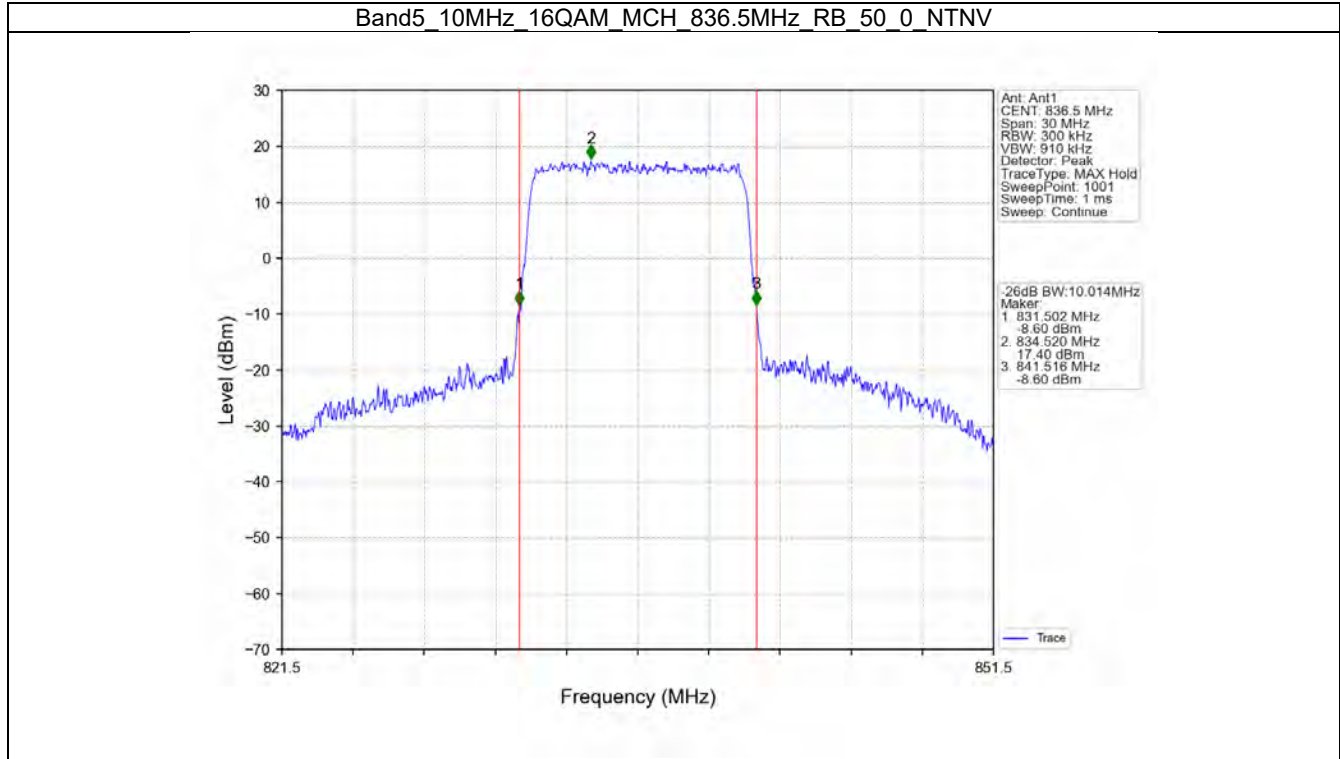
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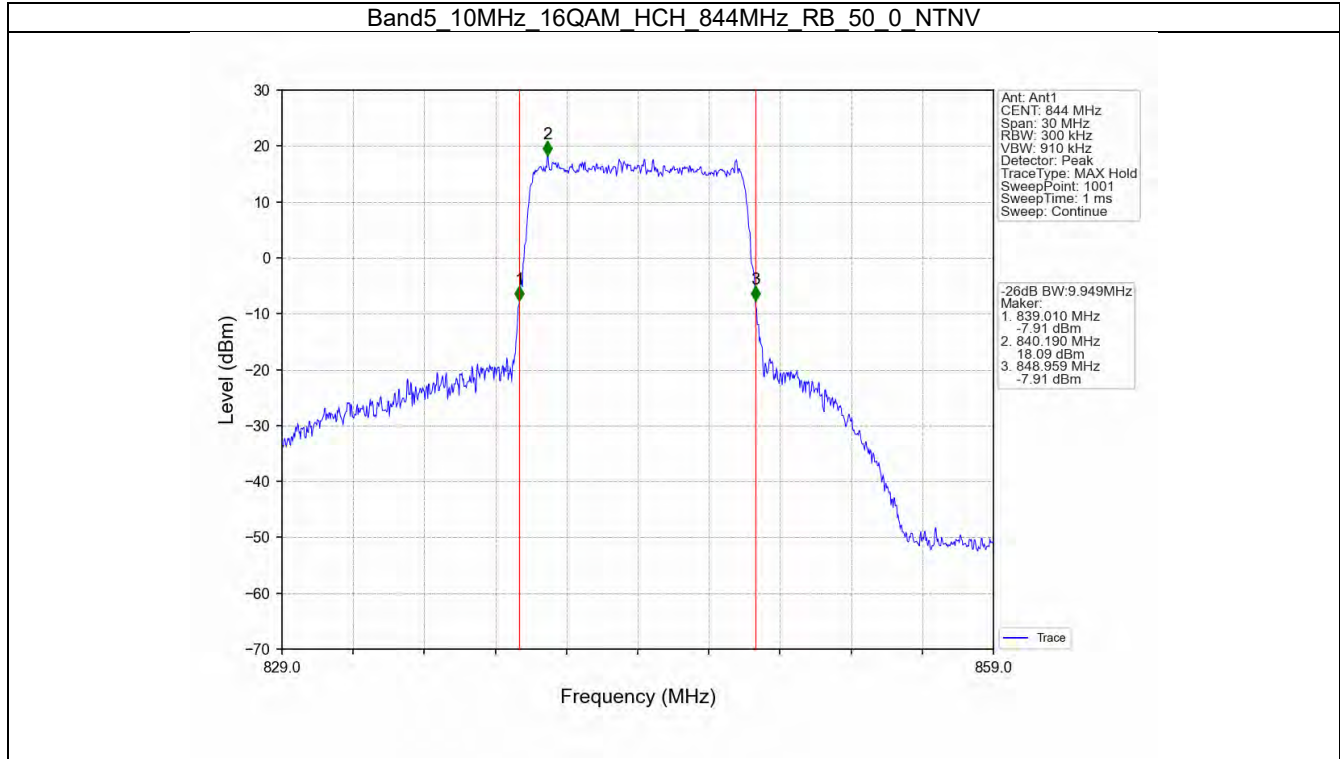
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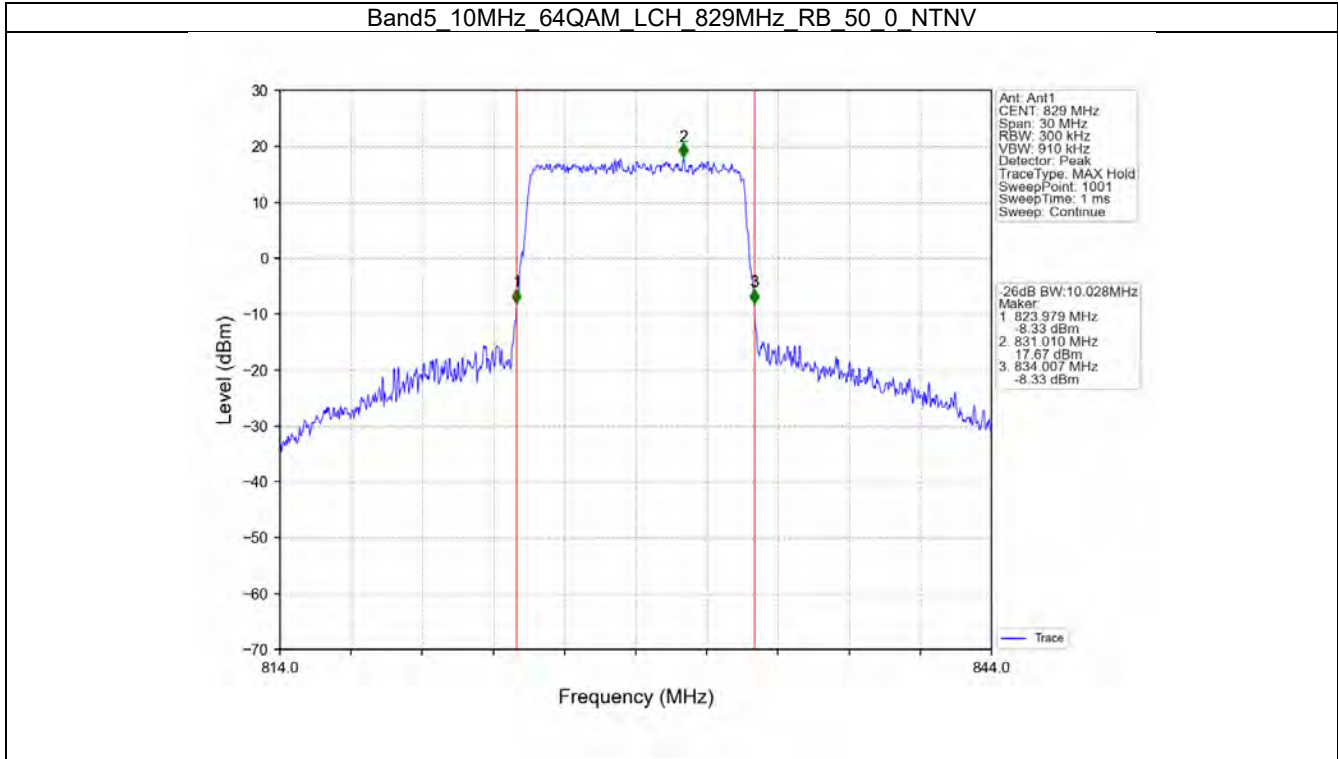
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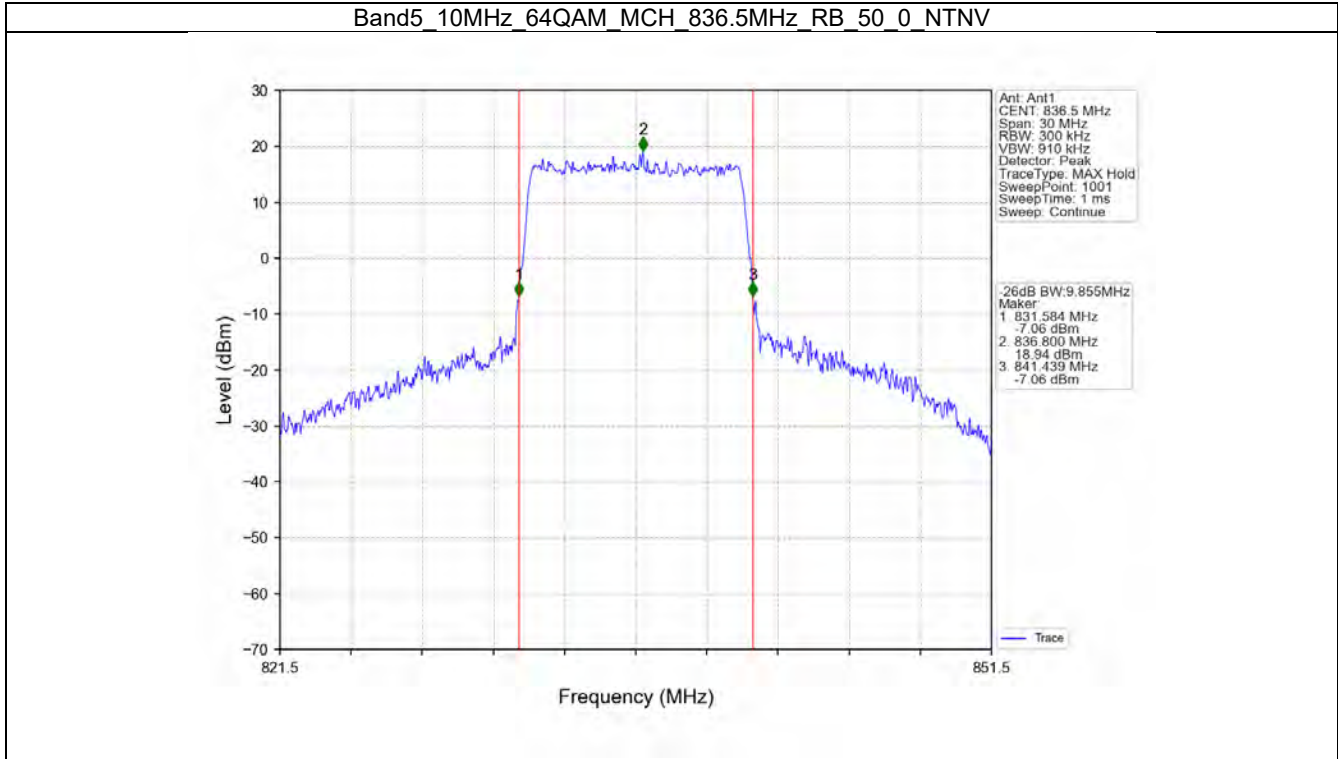
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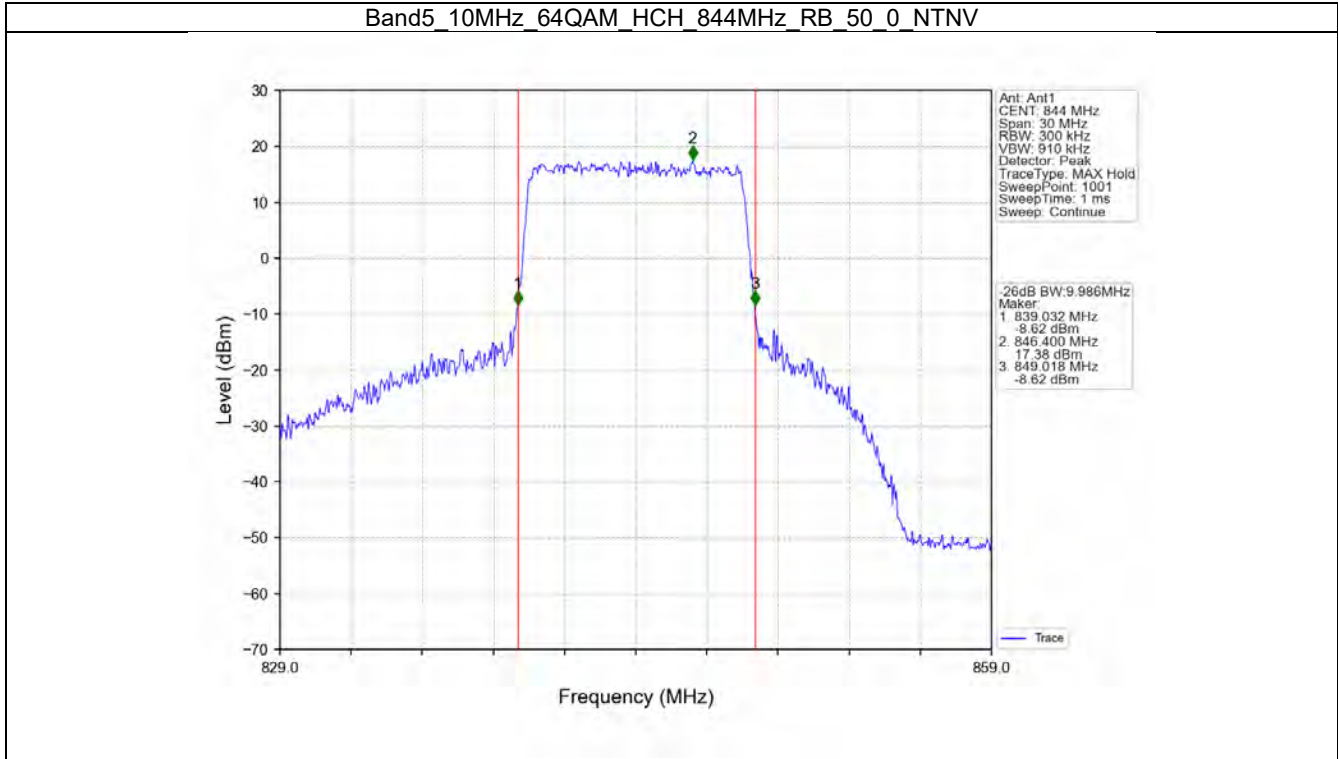
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4. Peak-Average Ratio

4.1 B5_1.4MHz

4.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.02	<=13	Pass
	836.5	6	0	4.89	<=13	Pass
	848.3	6	0	4.66	<=13	Pass
16QAM	824.7	6	0	6.09	<=13	Pass
	836.5	6	0	5.95	<=13	Pass
	848.3	6	0	5.76	<=13	Pass
64QAM	824.7	6	0	5.67	<=13	Pass
	836.5	6	0	5.77	<=13	Pass
	848.3	6	0	5.51	<=13	Pass



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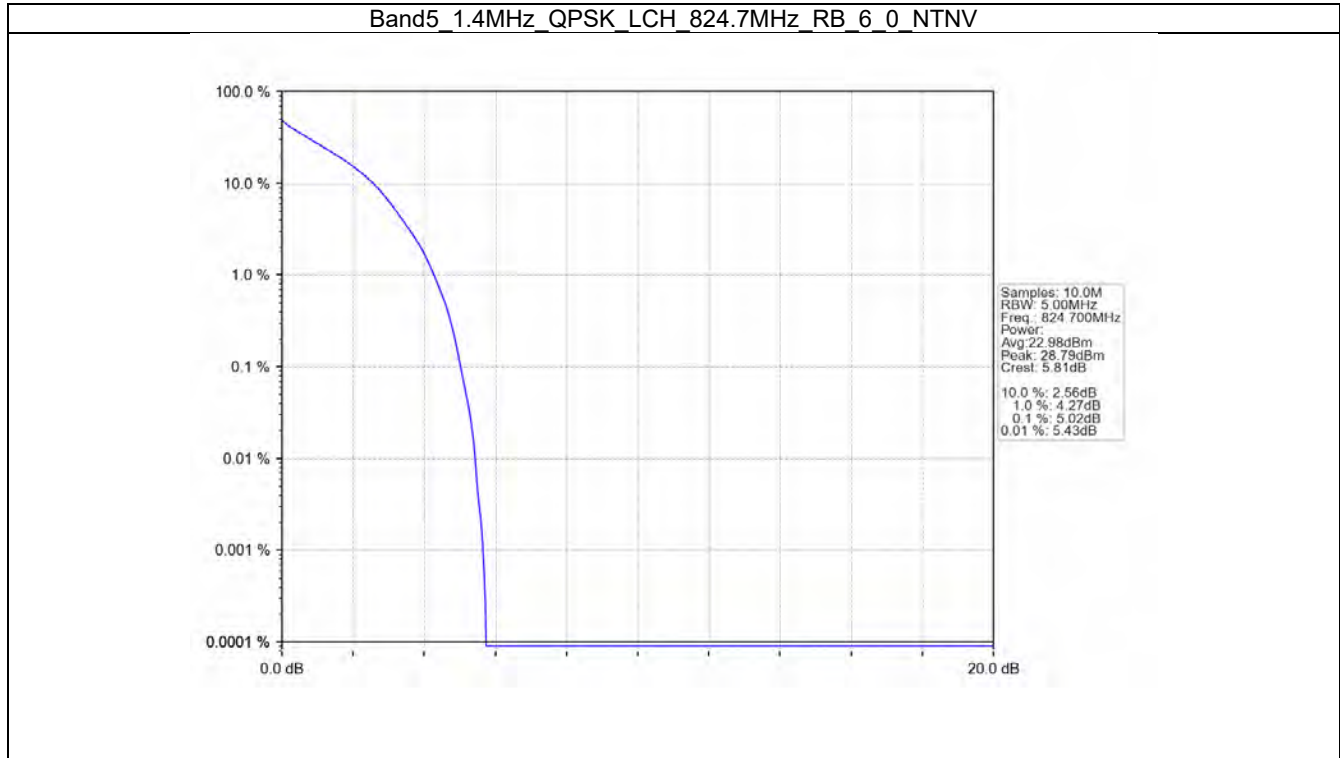
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4.1.2 Test Graph



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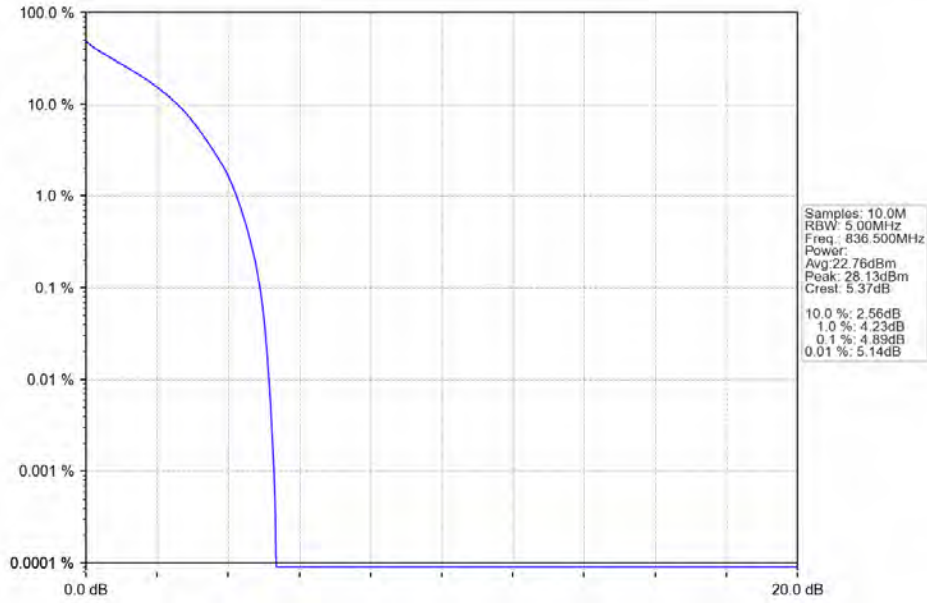
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Band5 1.4MHz QPSK MCH 836.5MHz RB 6_0 NTN



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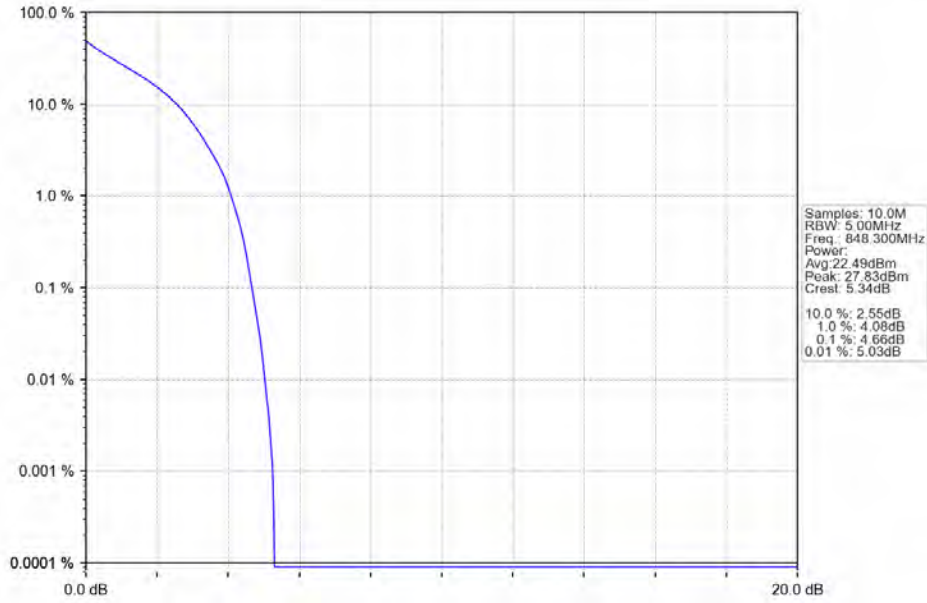
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Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



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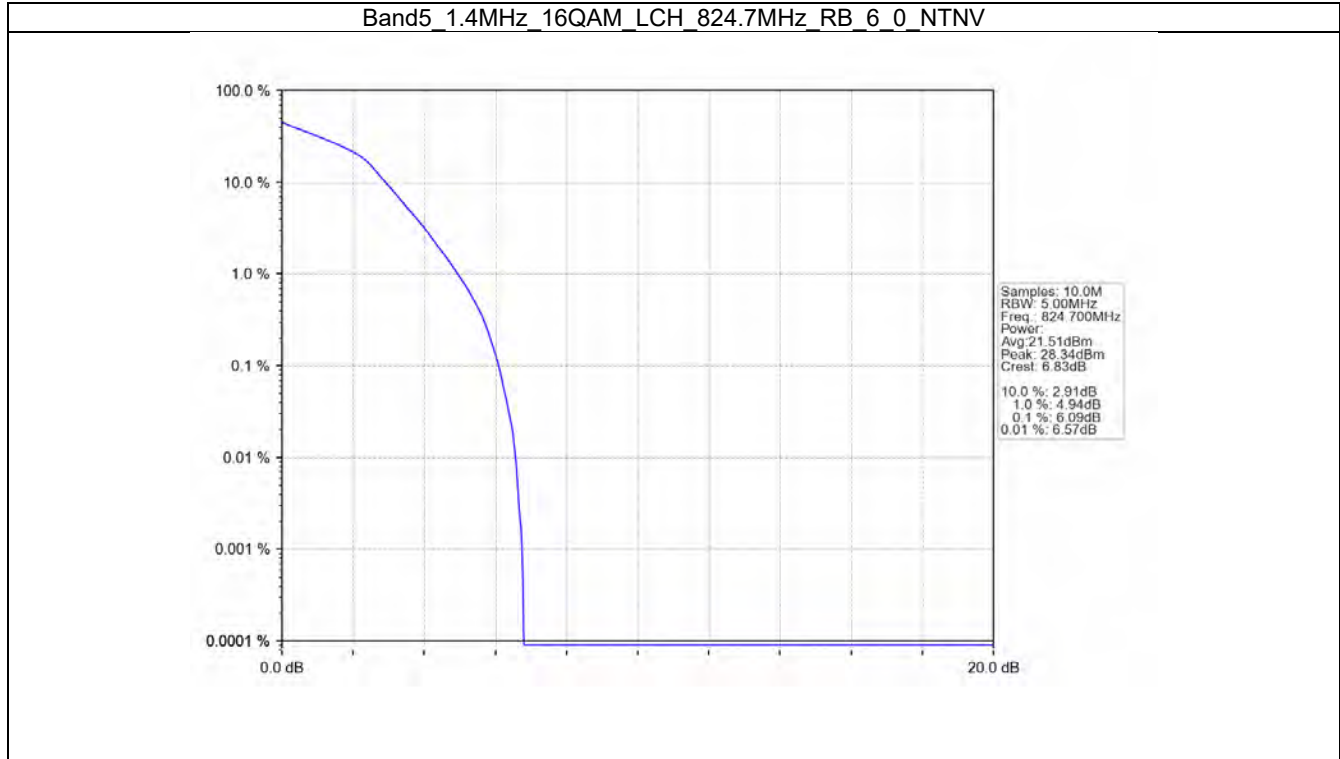
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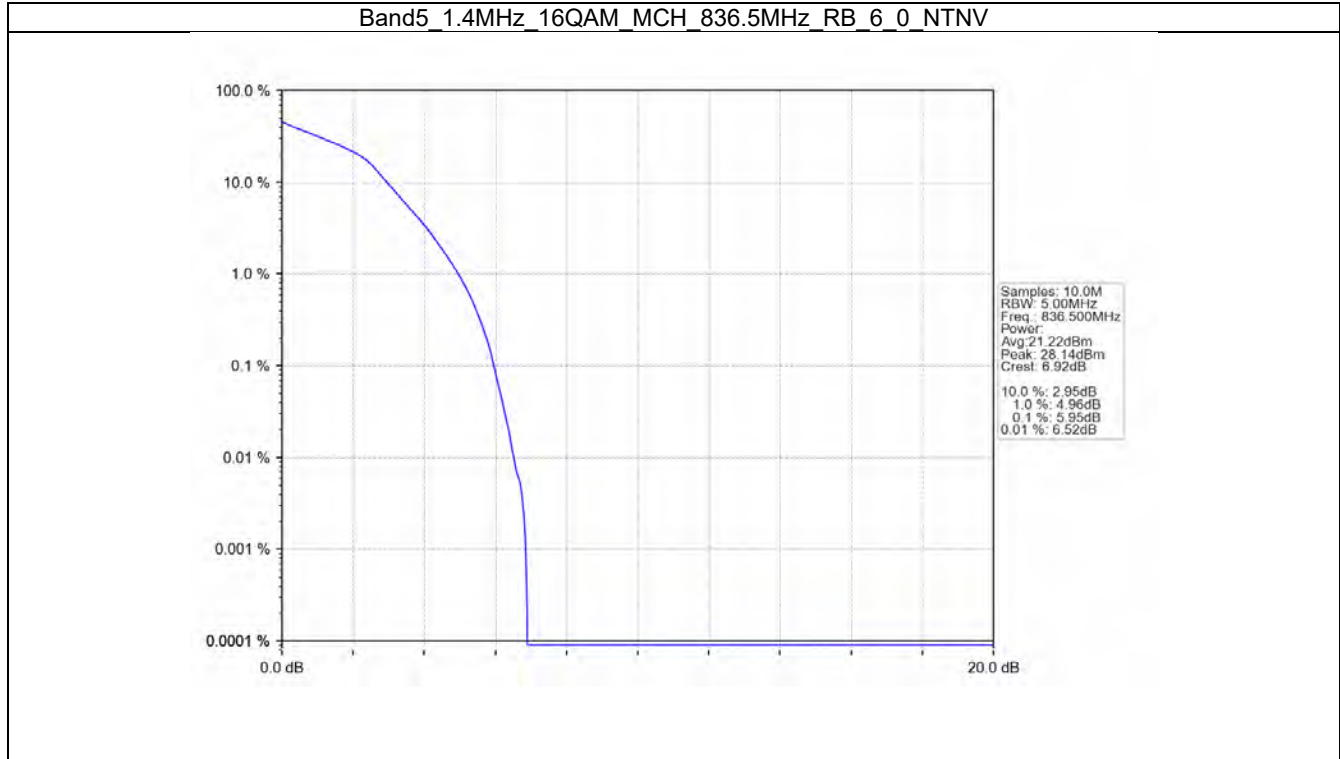
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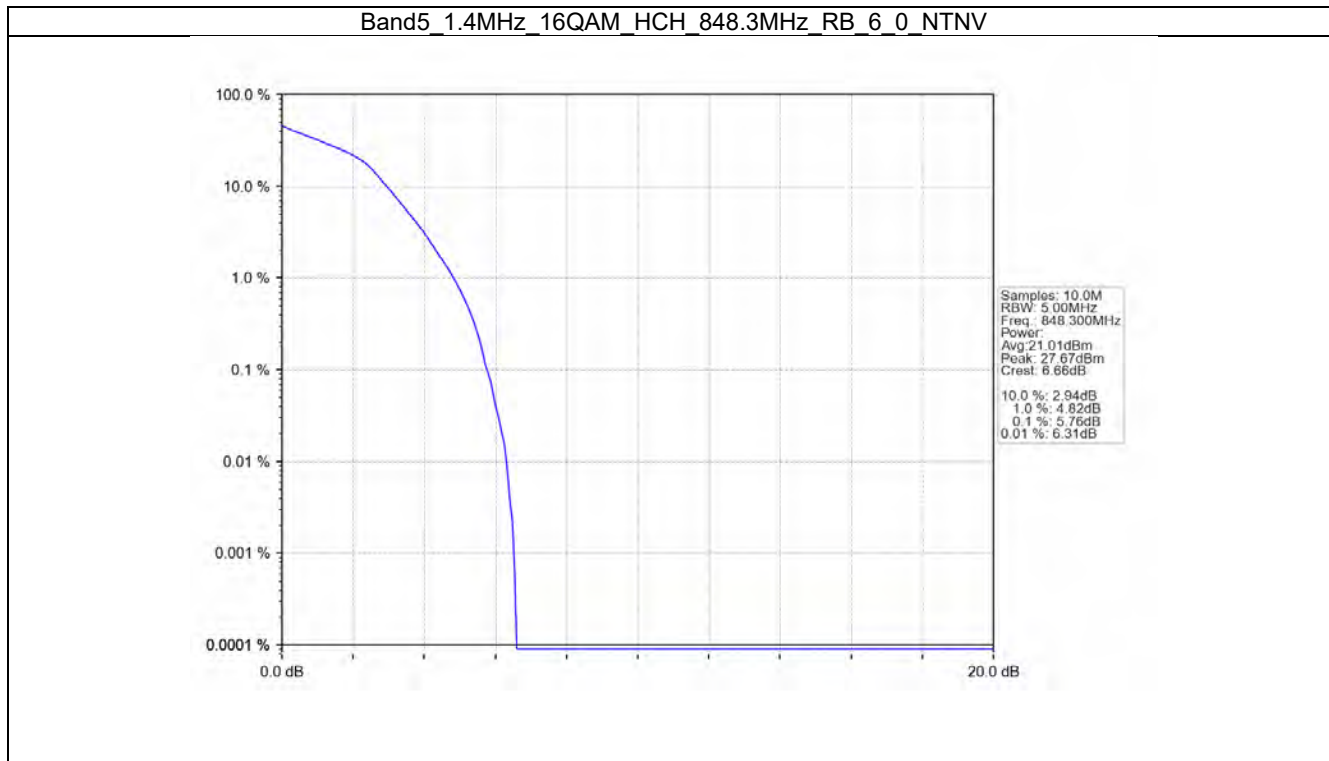


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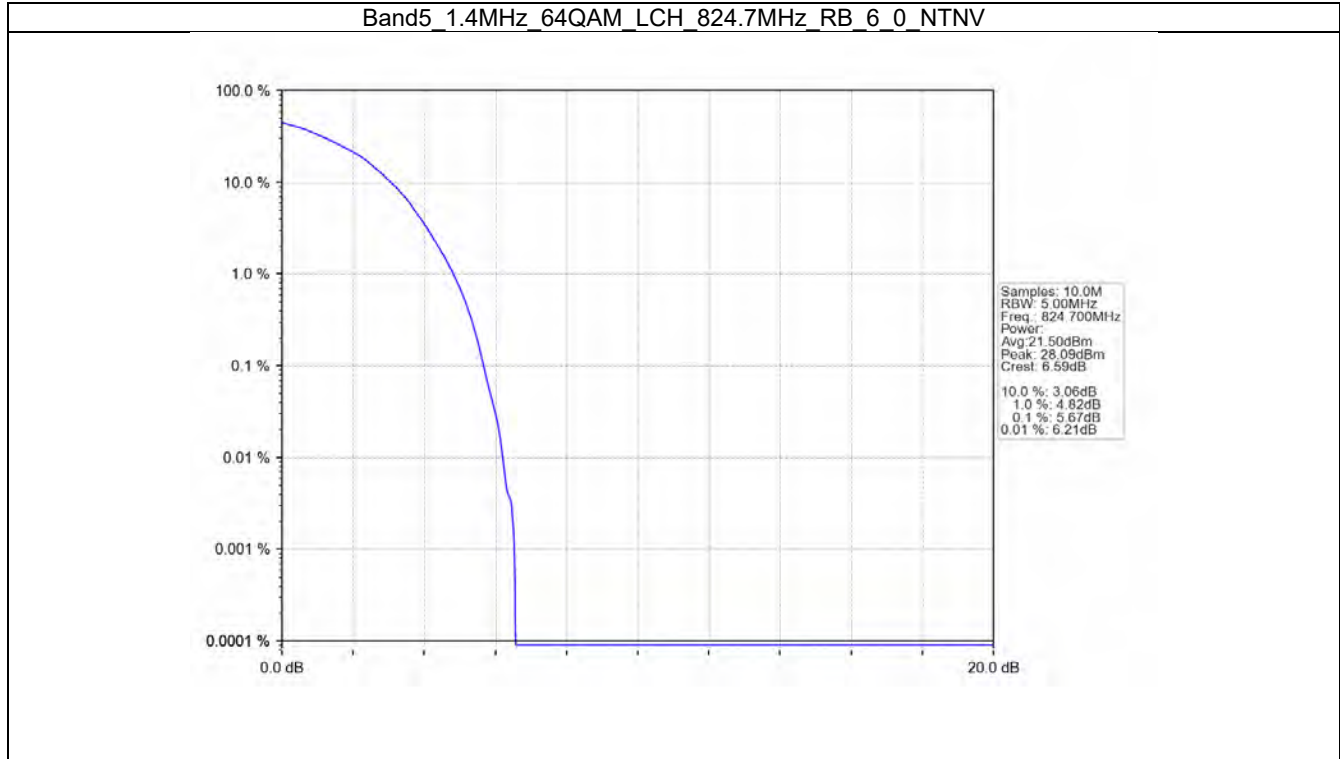
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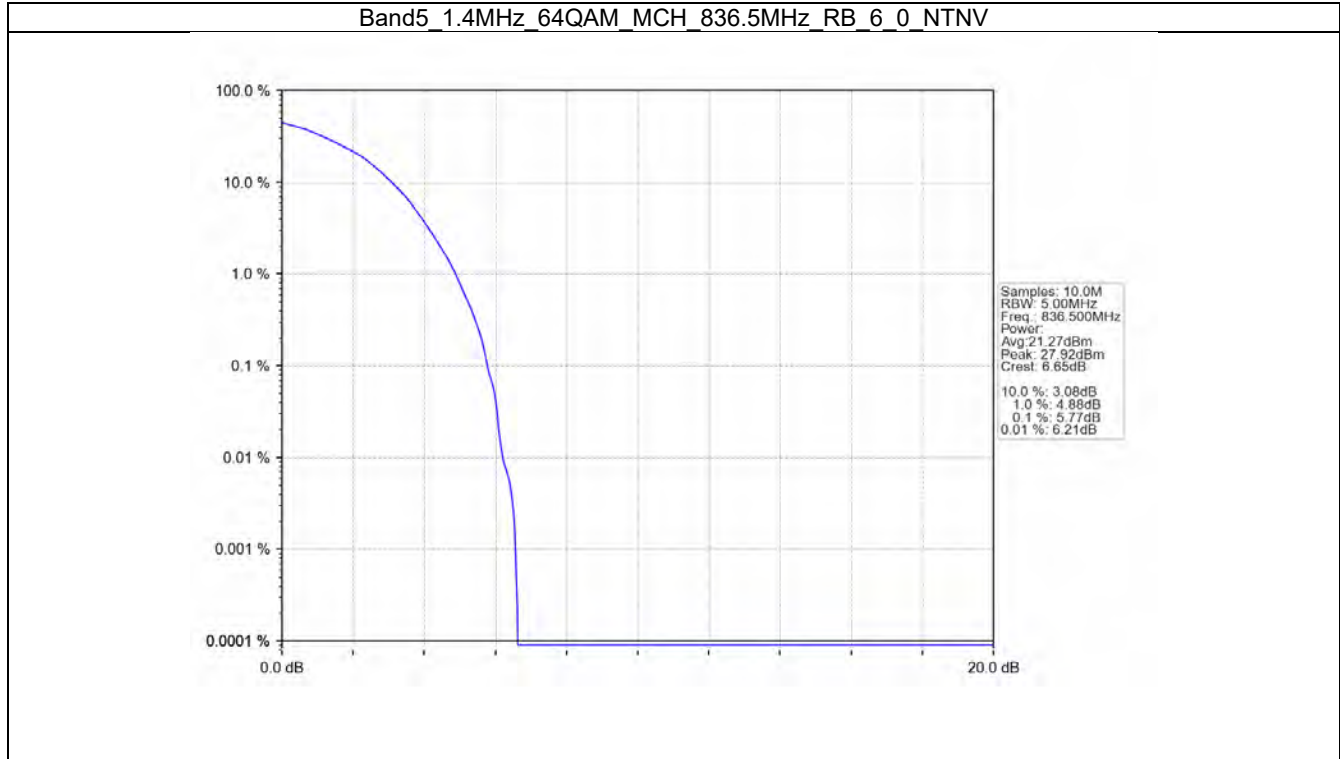
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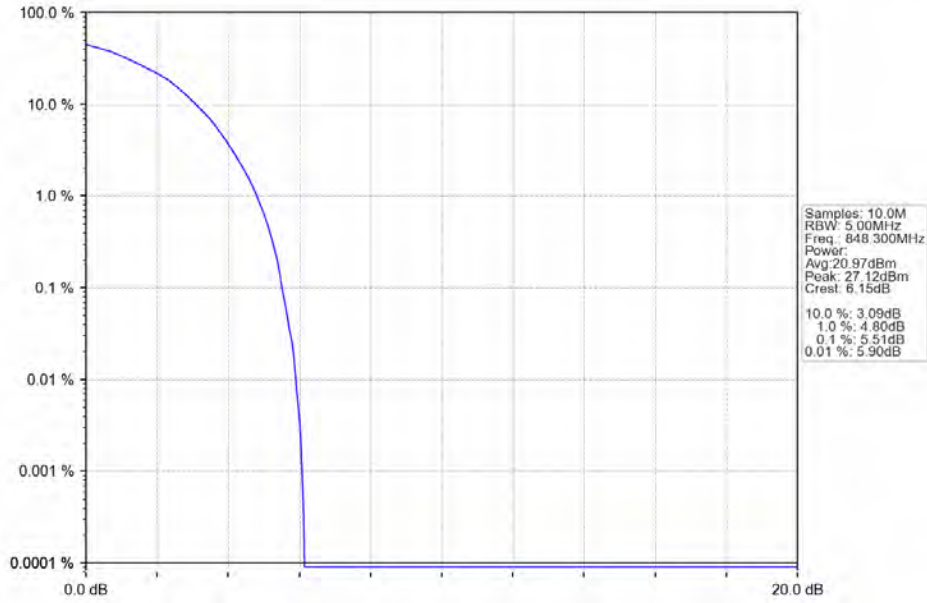
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Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



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4.2 B5_3MHz

4.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.39	<=13	Pass
	836.5	15	0	5.19	<=13	Pass
	847.5	15	0	5.13	<=13	Pass
16QAM	825.5	15	0	6.31	<=13	Pass
	836.5	15	0	6.15	<=13	Pass
	847.5	15	0	6.12	<=13	Pass
64QAM	825.5	15	0	6.16	<=13	Pass
	836.5	15	0	5.93	<=13	Pass
	847.5	15	0	5.99	<=13	Pass



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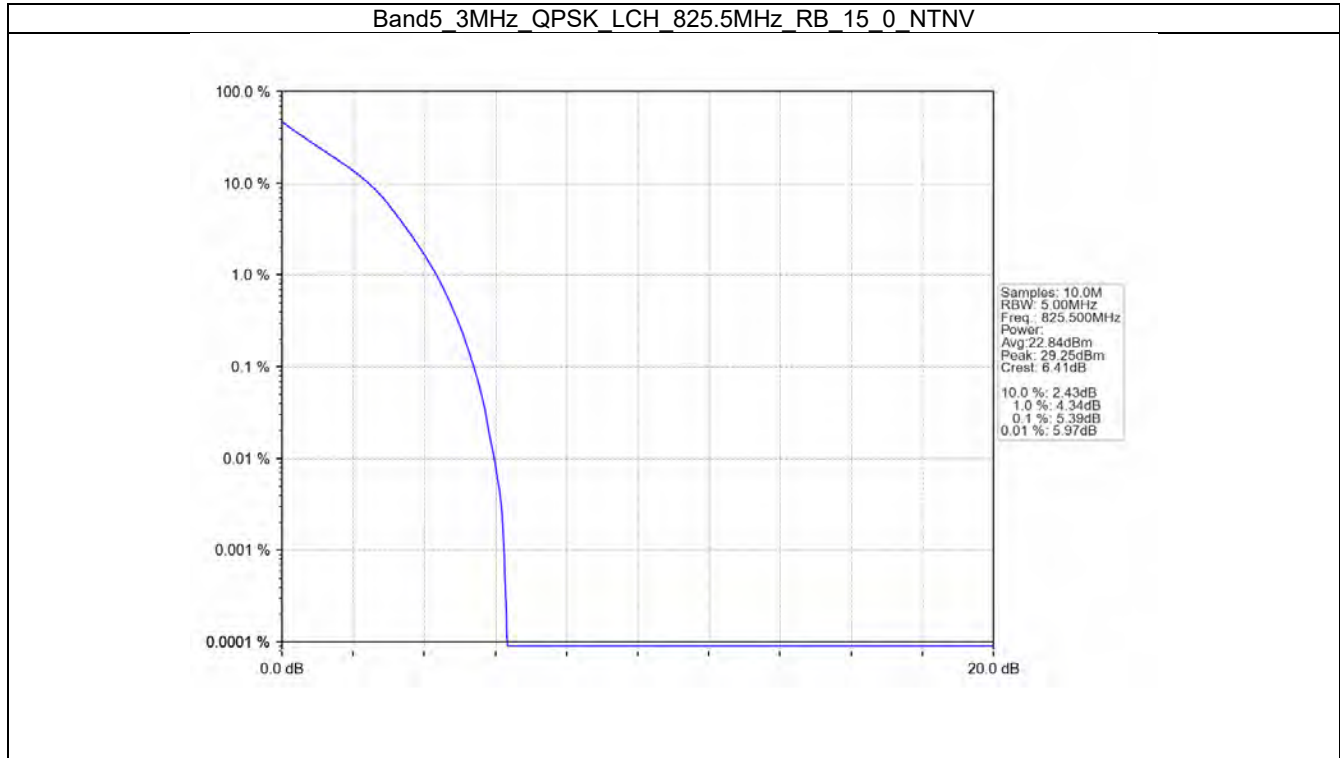
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4.2.2 Test Graph



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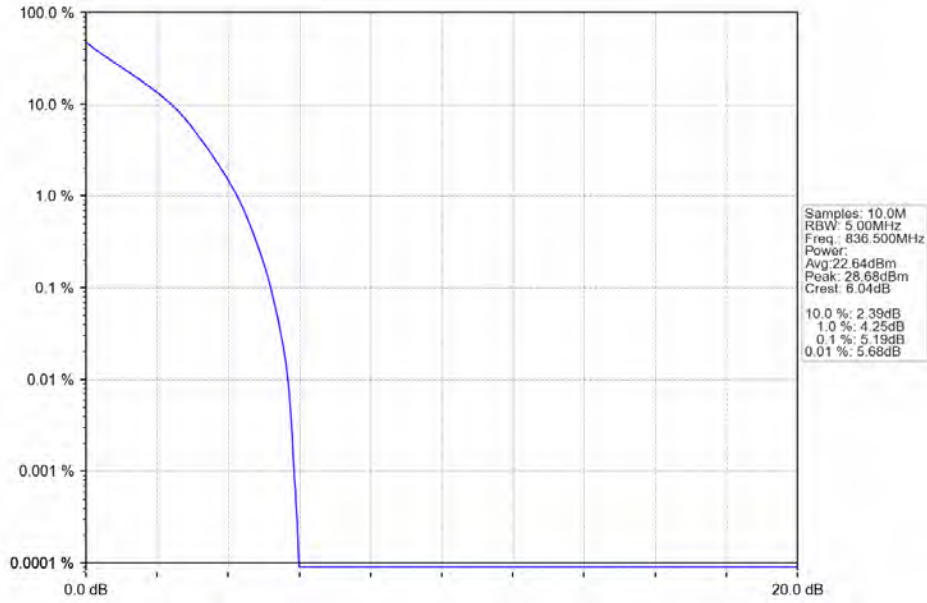
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Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



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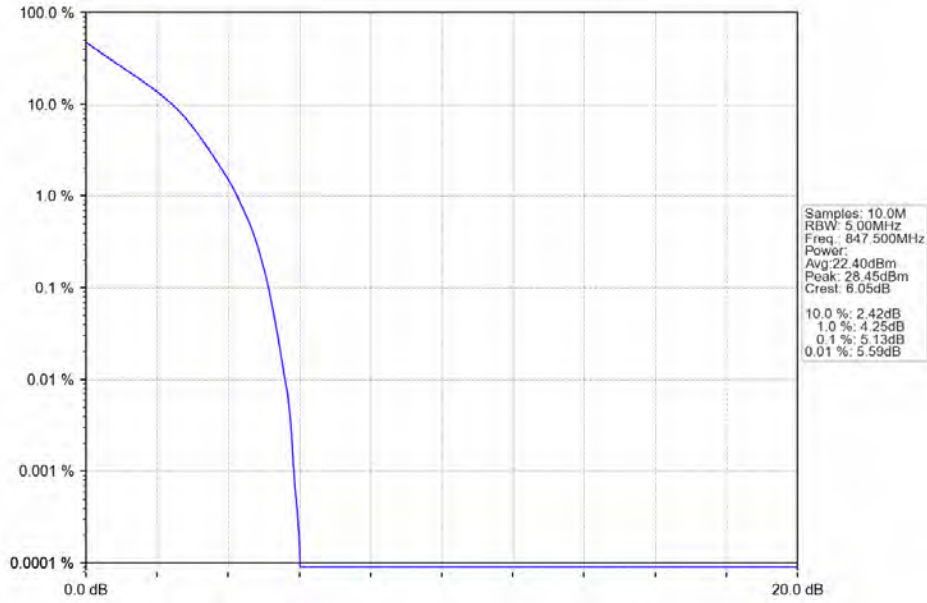
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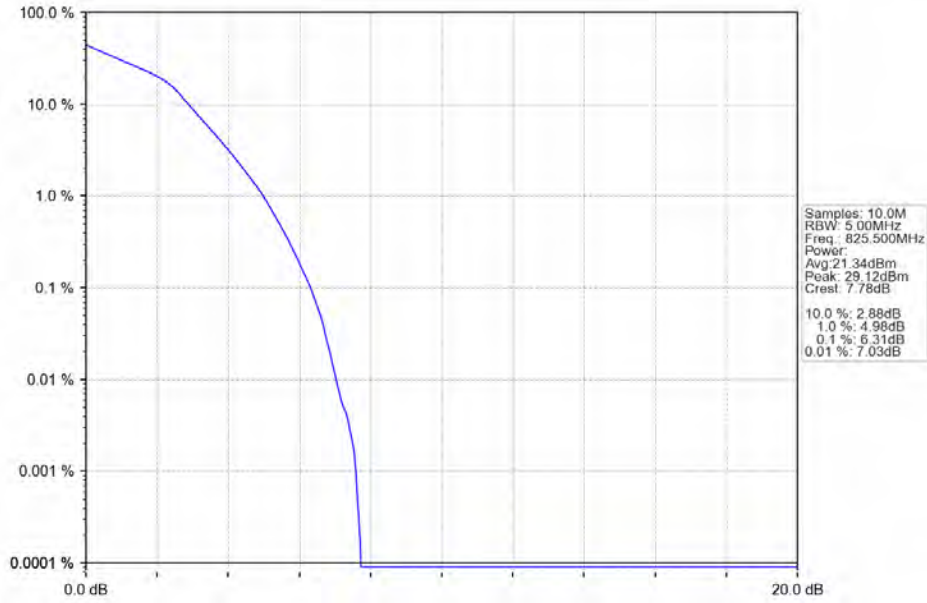
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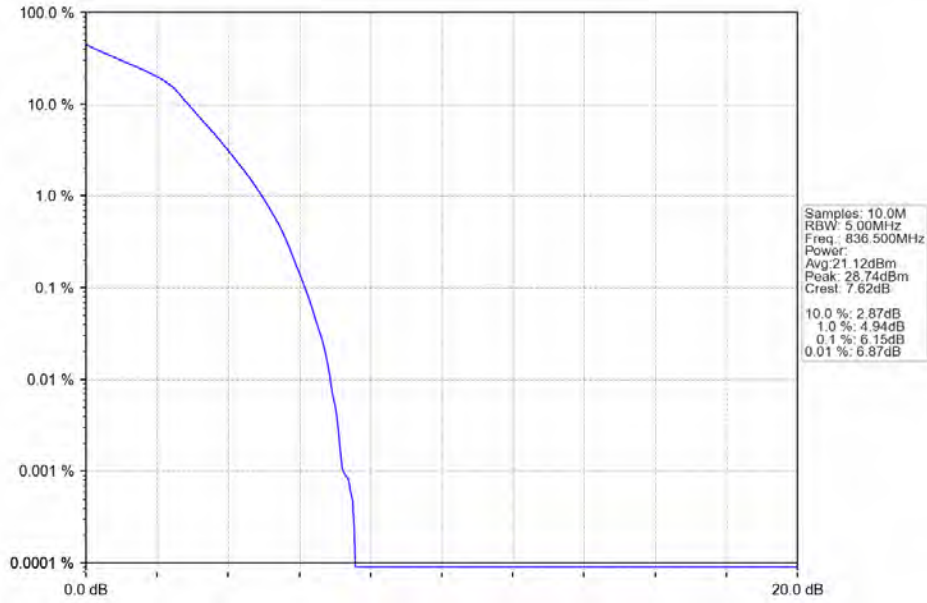
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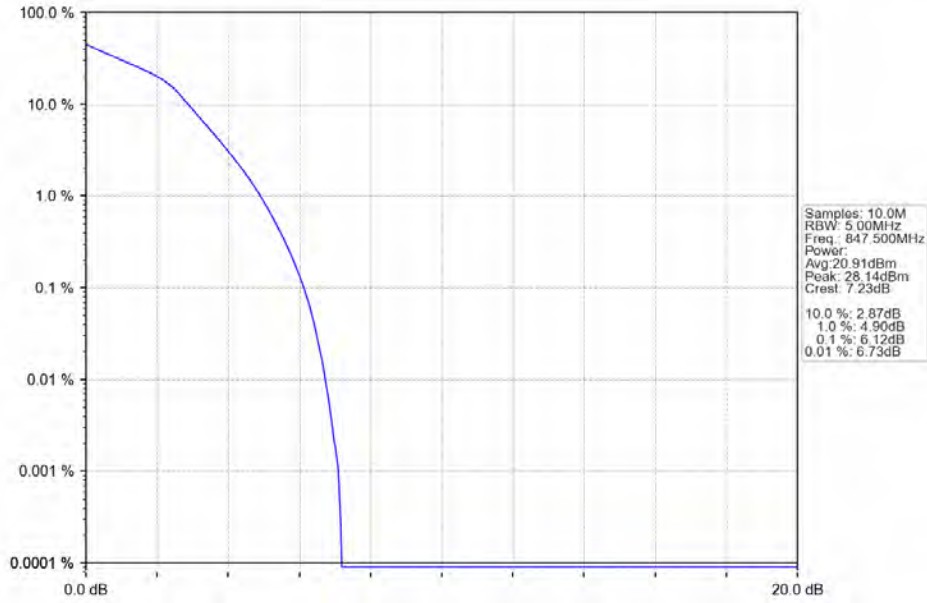
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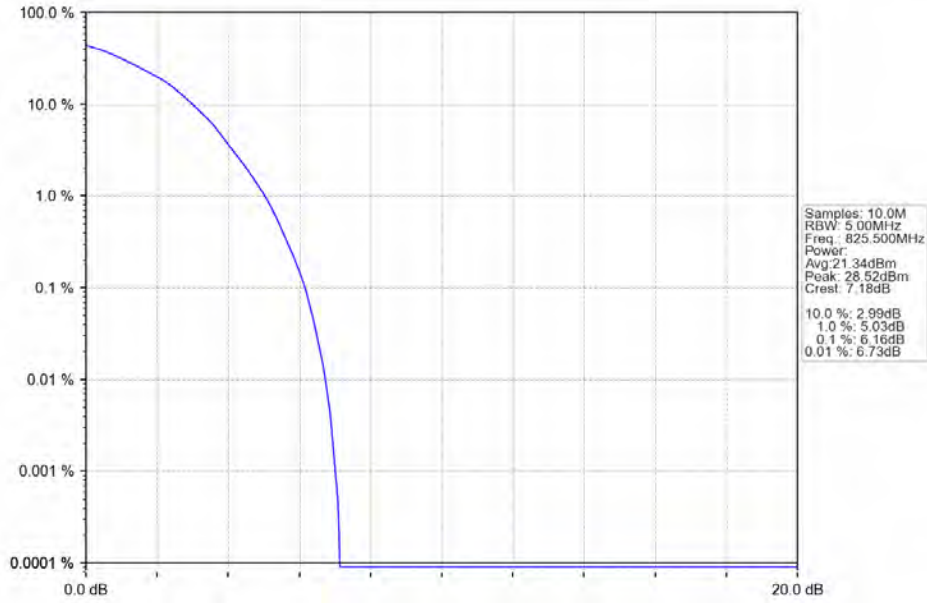
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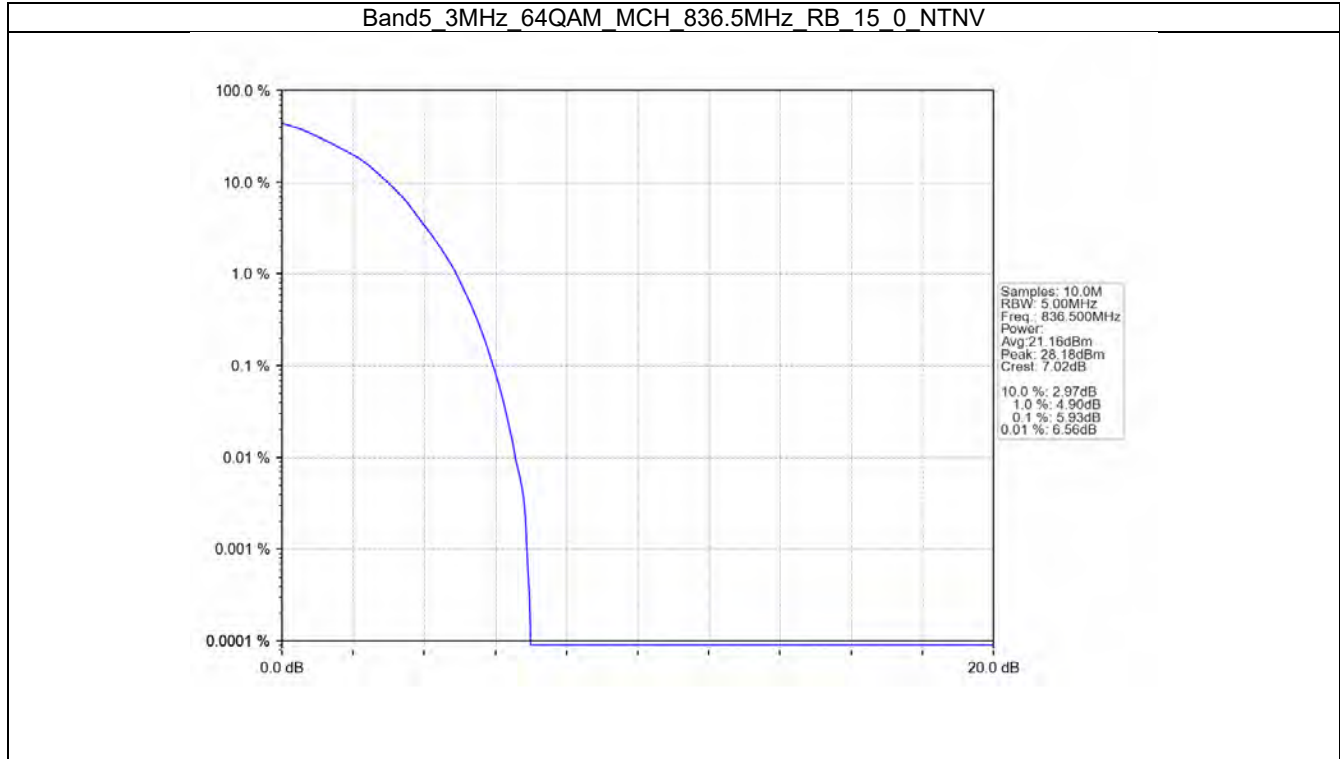
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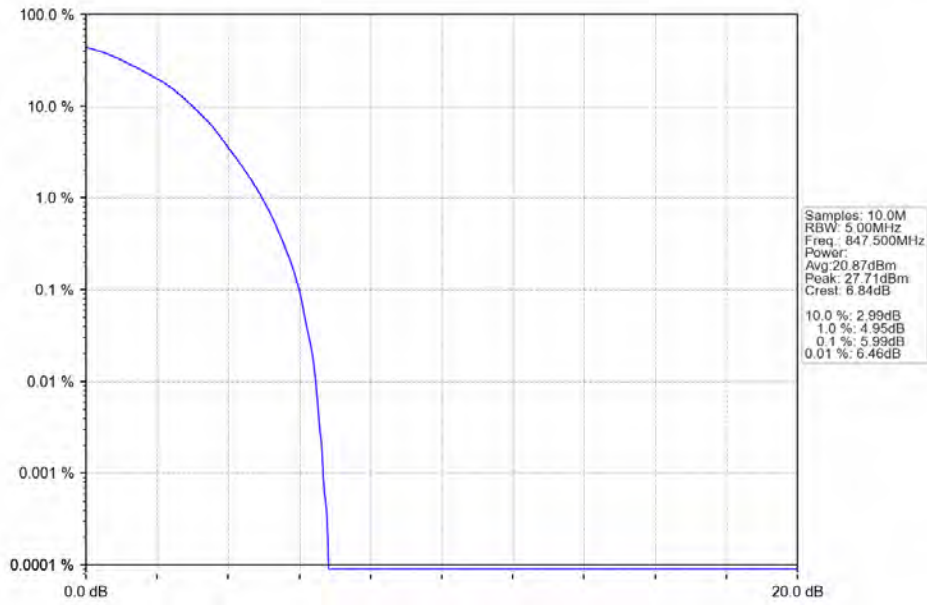
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Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV



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4.3 B5_5MHz

4.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.55	<=13	Pass
	836.5	25	0	5.41	<=13	Pass
	846.5	25	0	5.39	<=13	Pass
16QAM	826.5	25	0	6.29	<=13	Pass
	836.5	25	0	6.22	<=13	Pass
	846.5	25	0	6.24	<=13	Pass
64QAM	826.5	25	0	6.25	<=13	Pass
	836.5	25	0	6.14	<=13	Pass
	846.5	25	0	6.19	<=13	Pass



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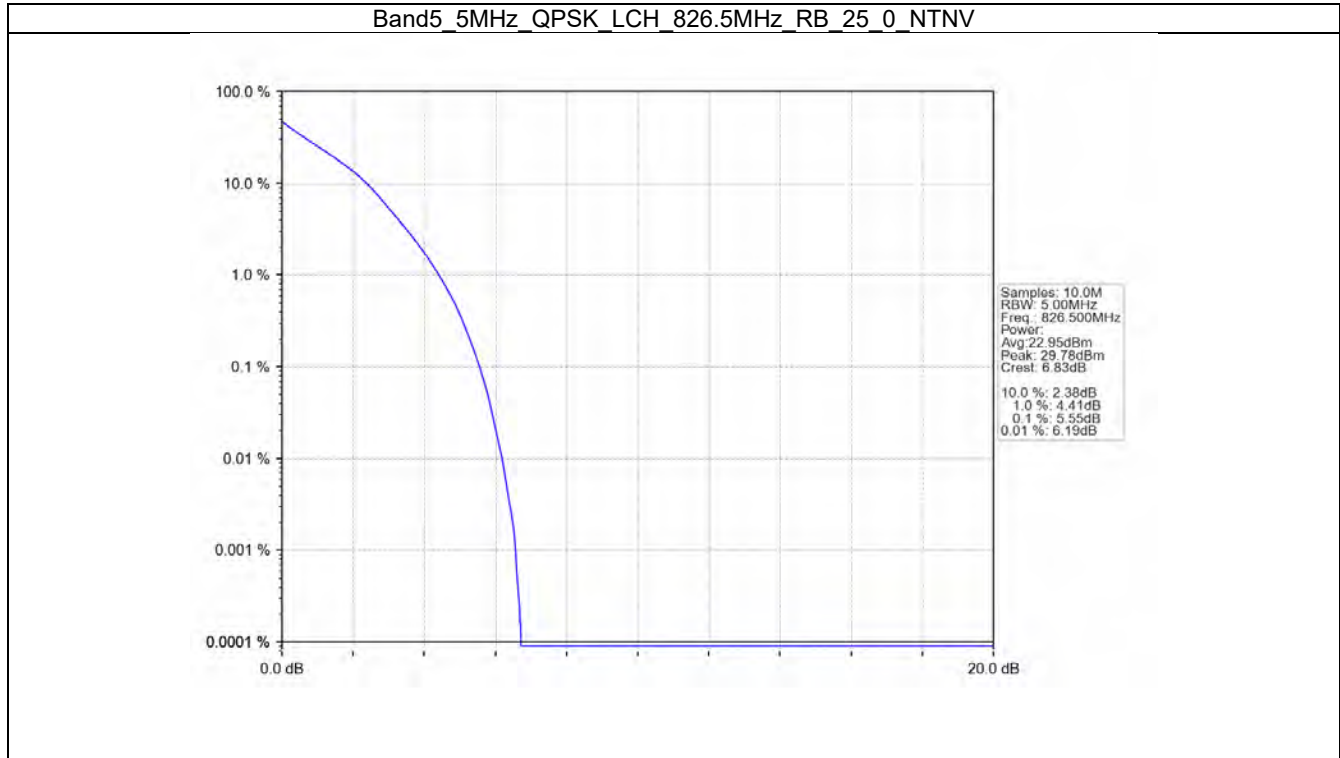
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4.3.2 Test Graph



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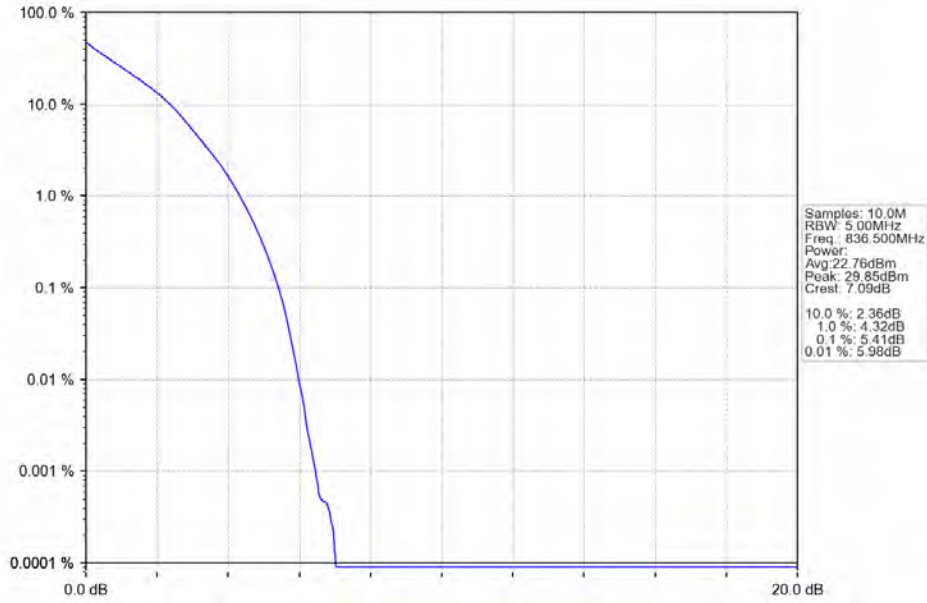
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Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



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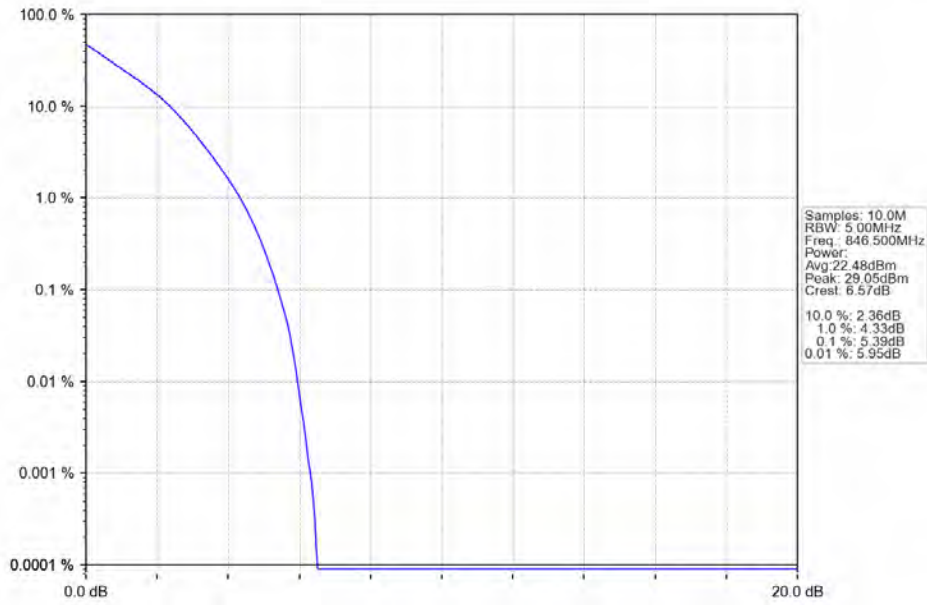
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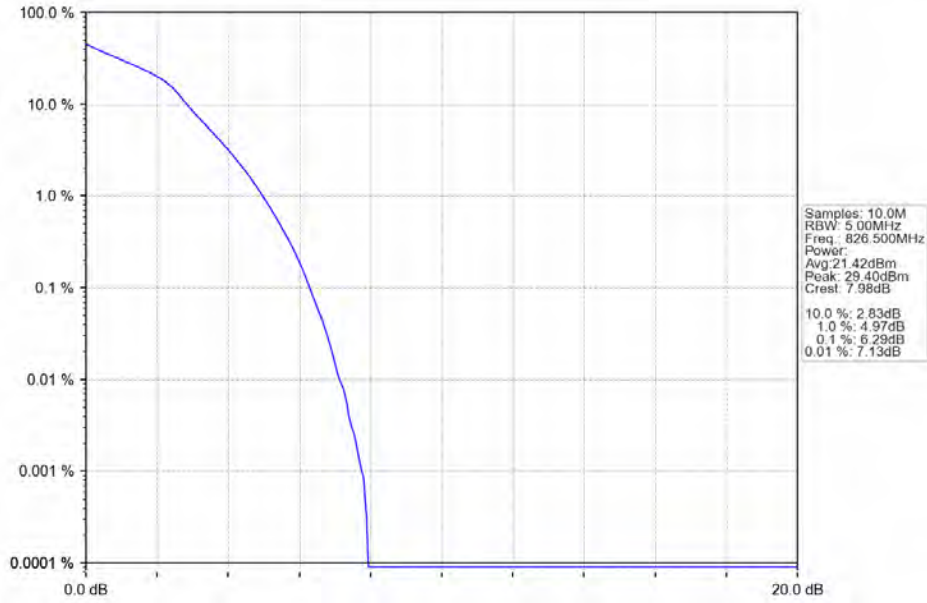
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Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



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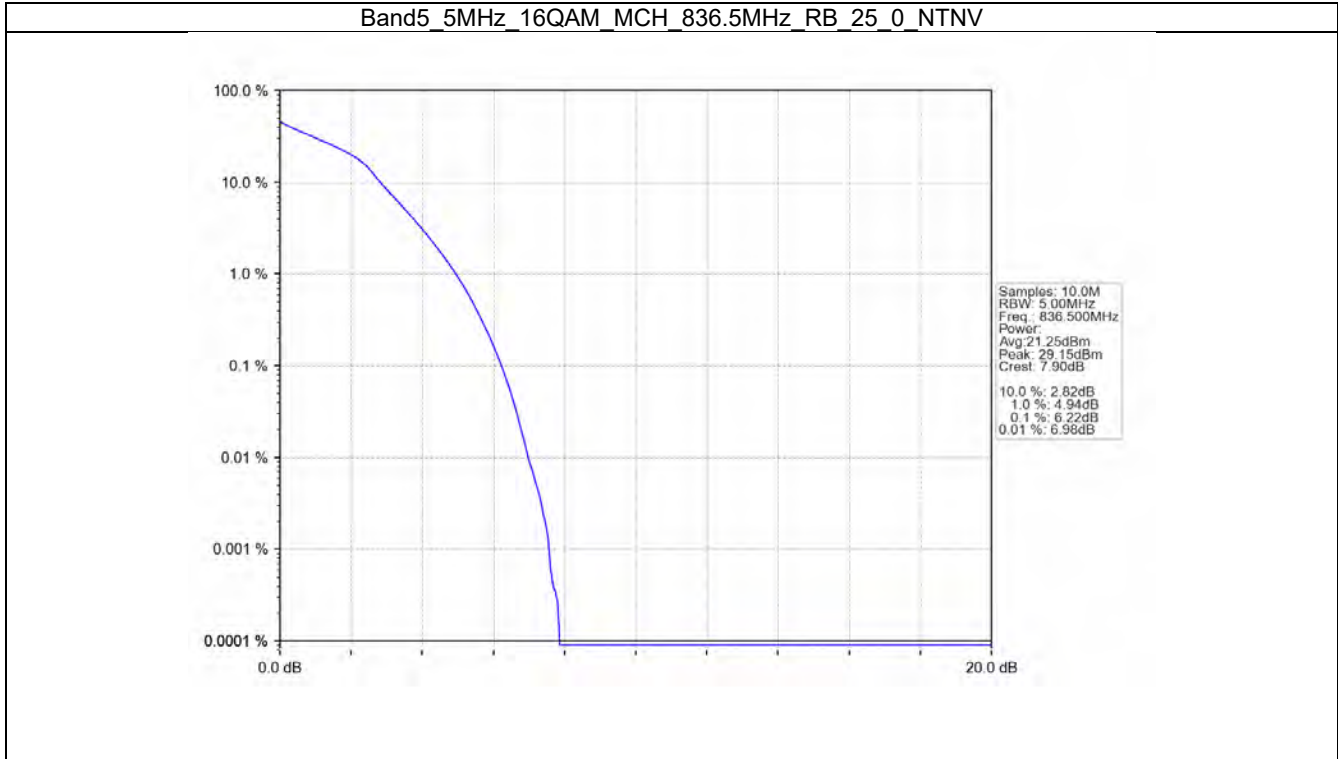
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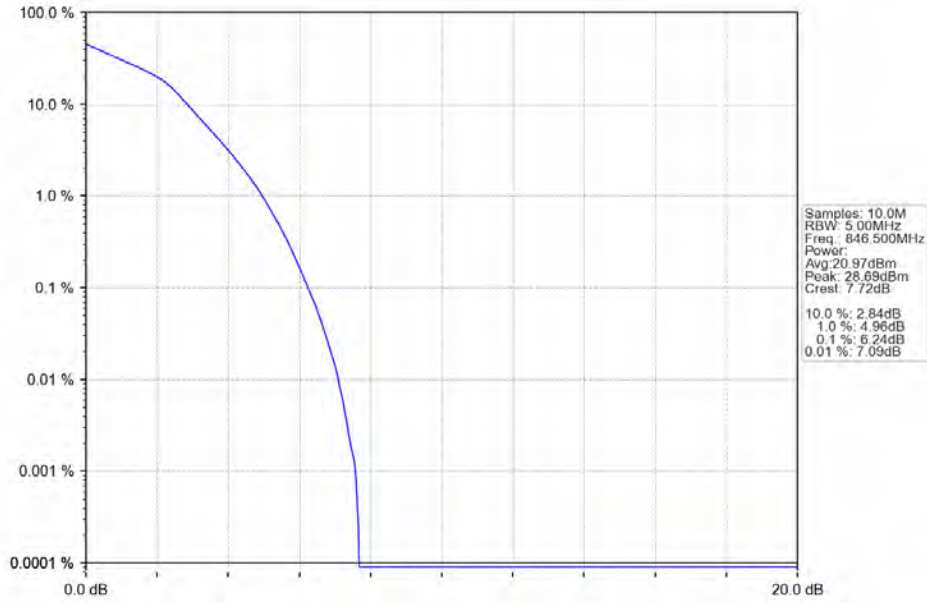
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Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



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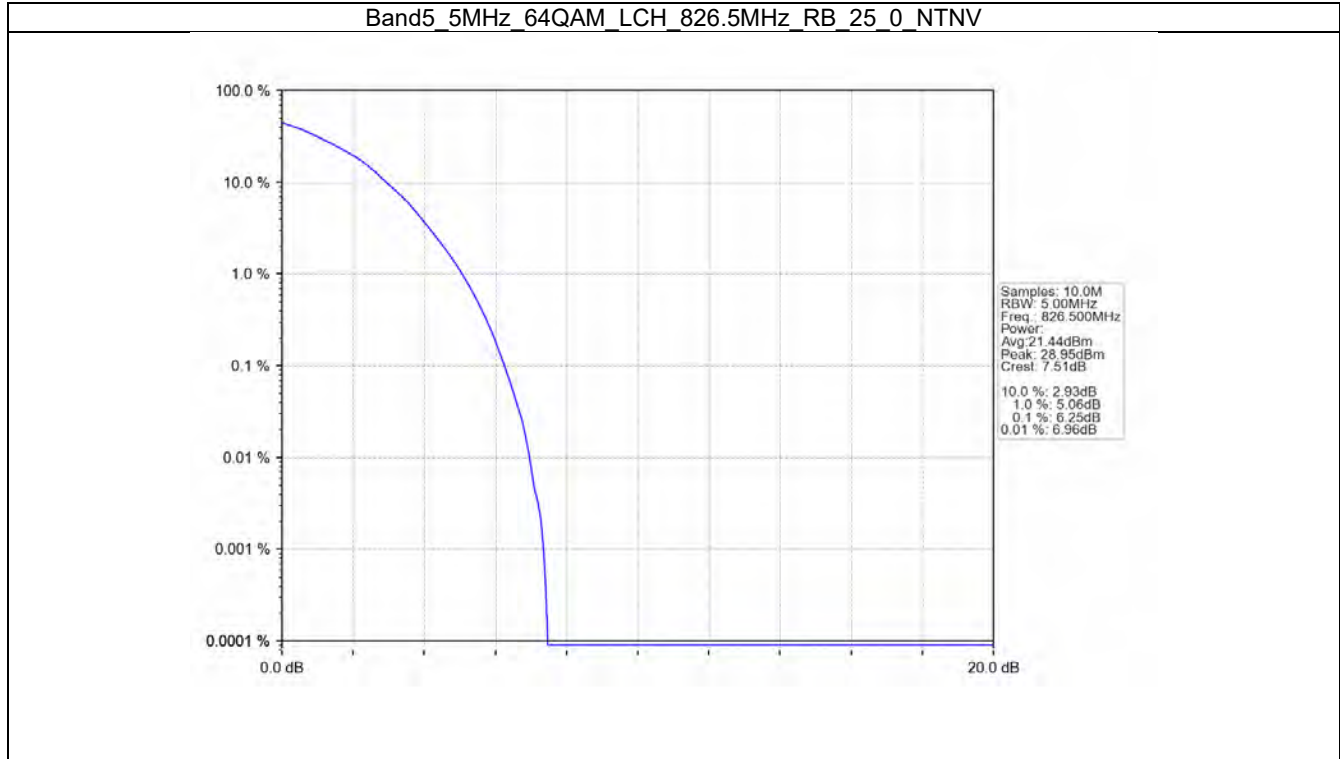
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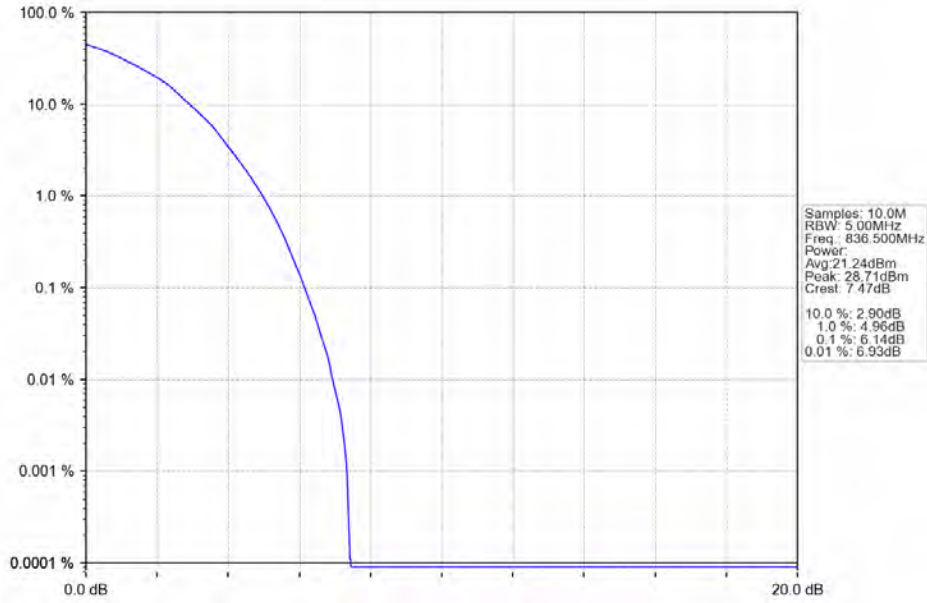
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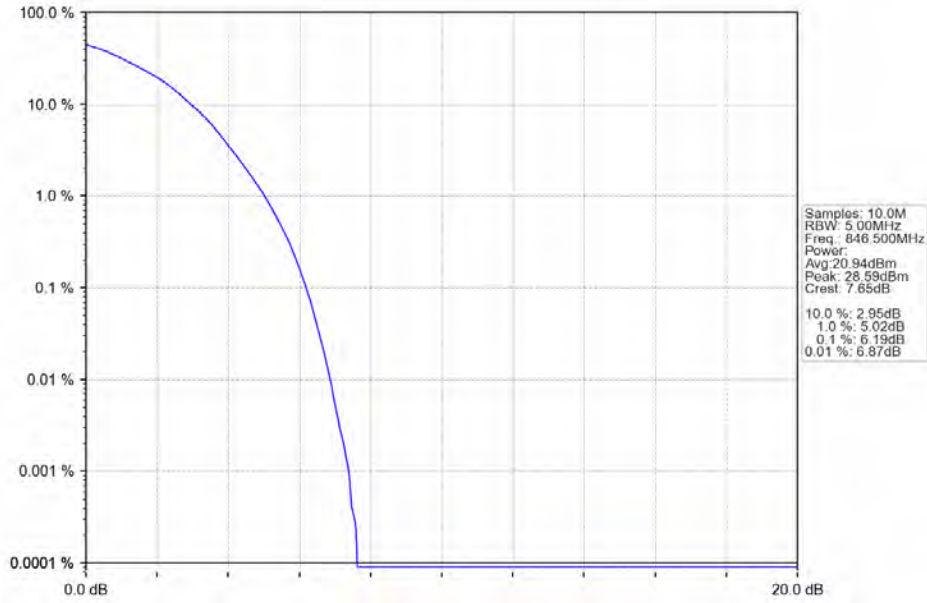
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4.4 B5_10MHz

4.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.54	<=13	Pass
	836.5	50	0	5.43	<=13	Pass
	844	50	0	5.40	<=13	Pass
16QAM	829	50	0	6.31	<=13	Pass
	836.5	50	0	6.26	<=13	Pass
	844	50	0	6.27	<=13	Pass
64QAM	829	50	0	6.28	<=13	Pass
	836.5	50	0	6.23	<=13	Pass
	844	50	0	6.20	<=13	Pass



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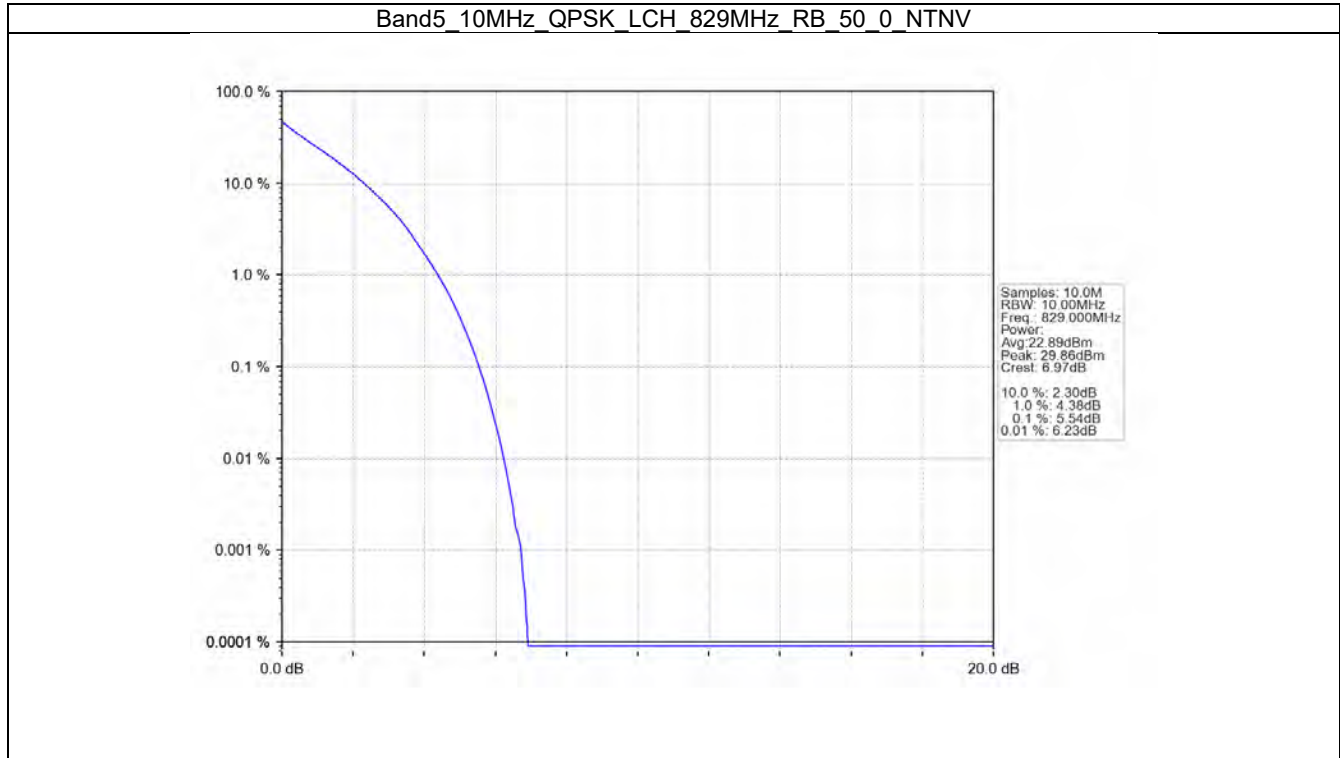
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4.4.2 Test Graph



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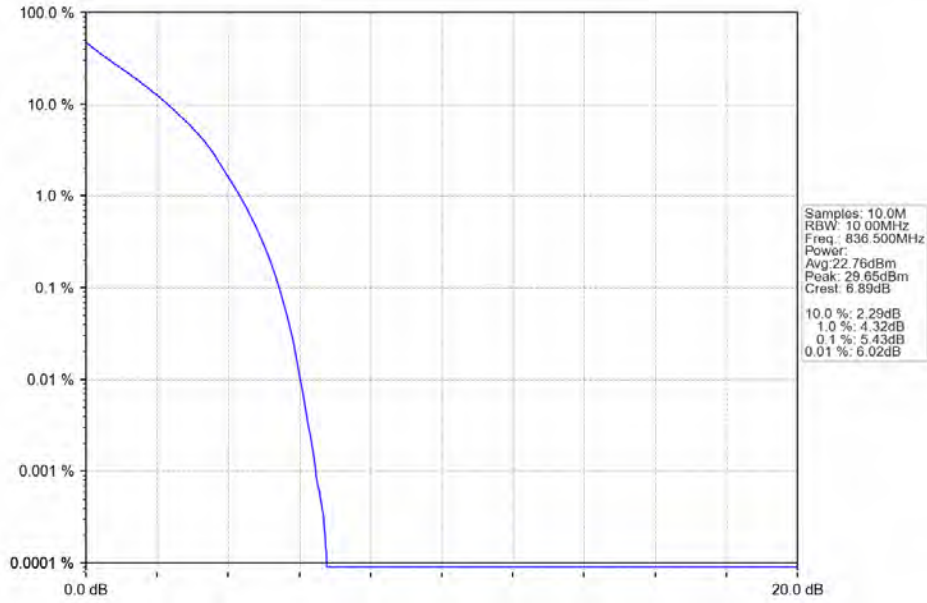
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Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



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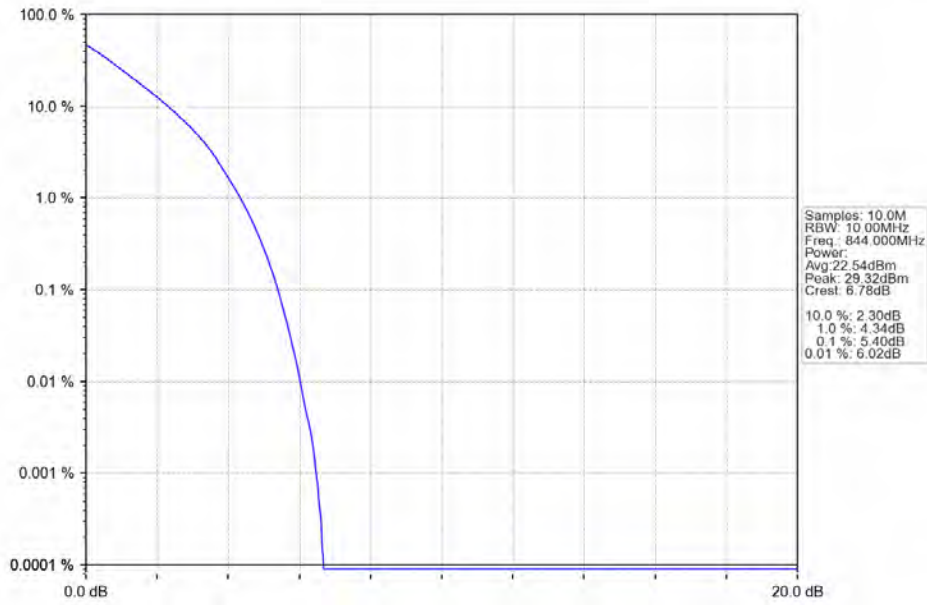
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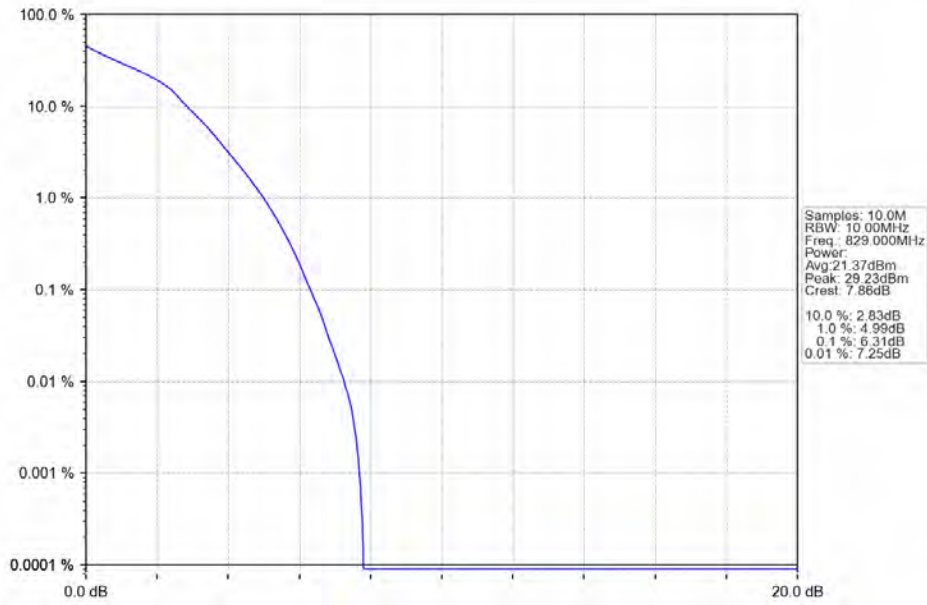
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Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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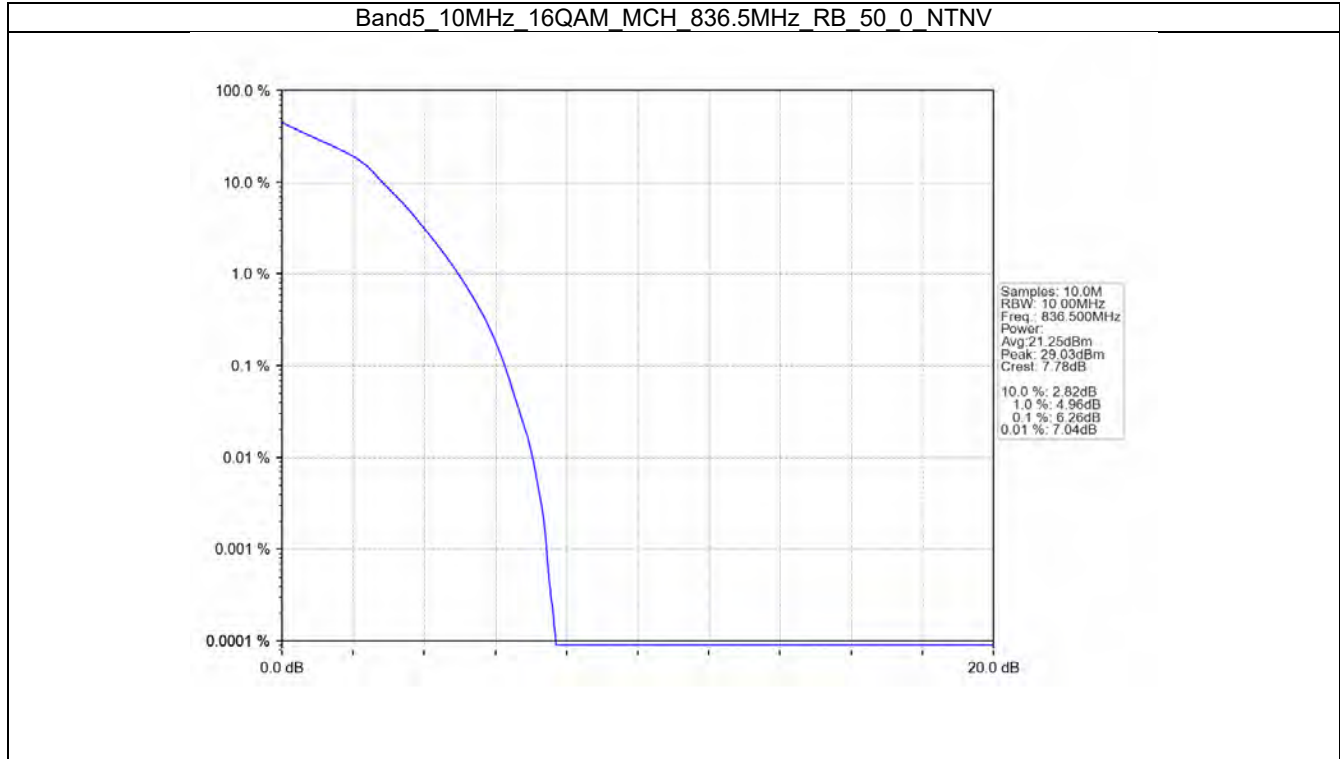
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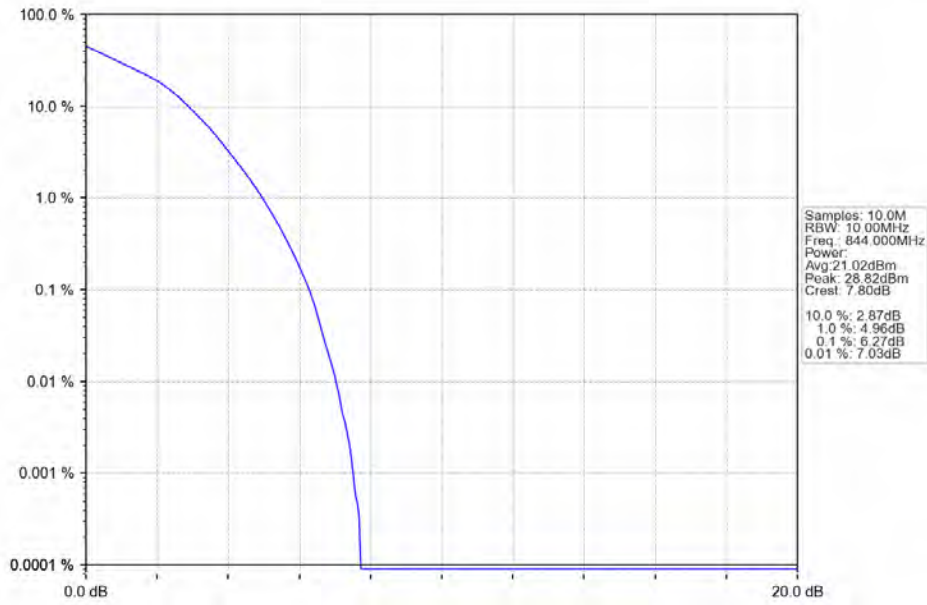
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Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



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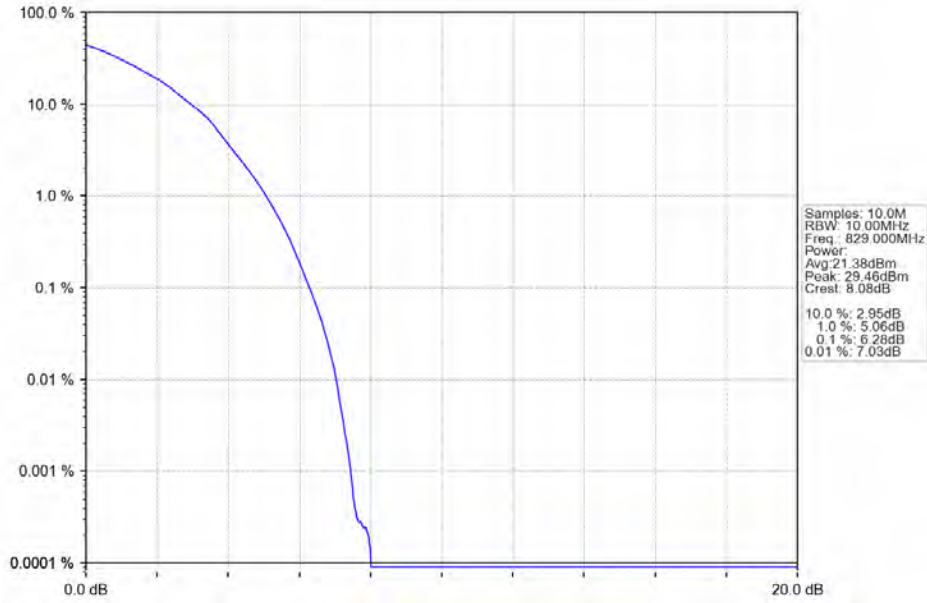
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Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



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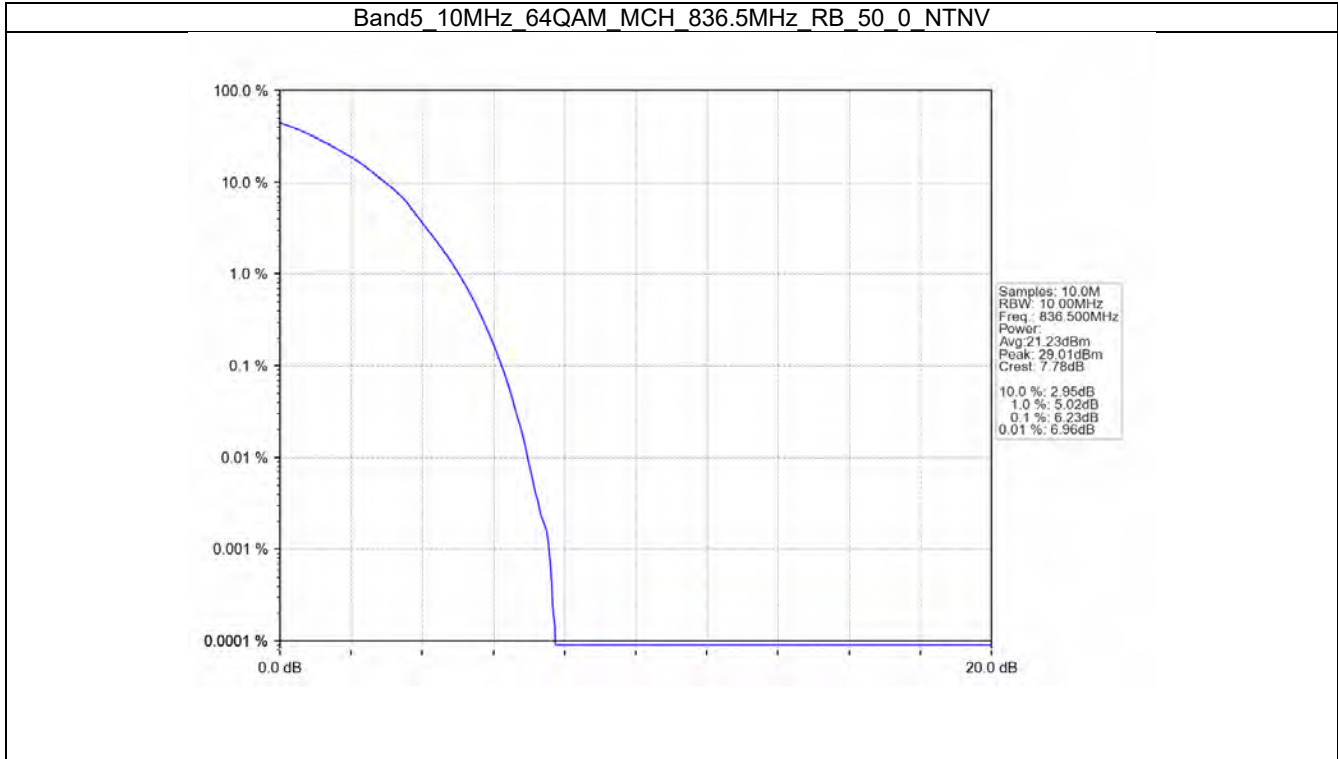
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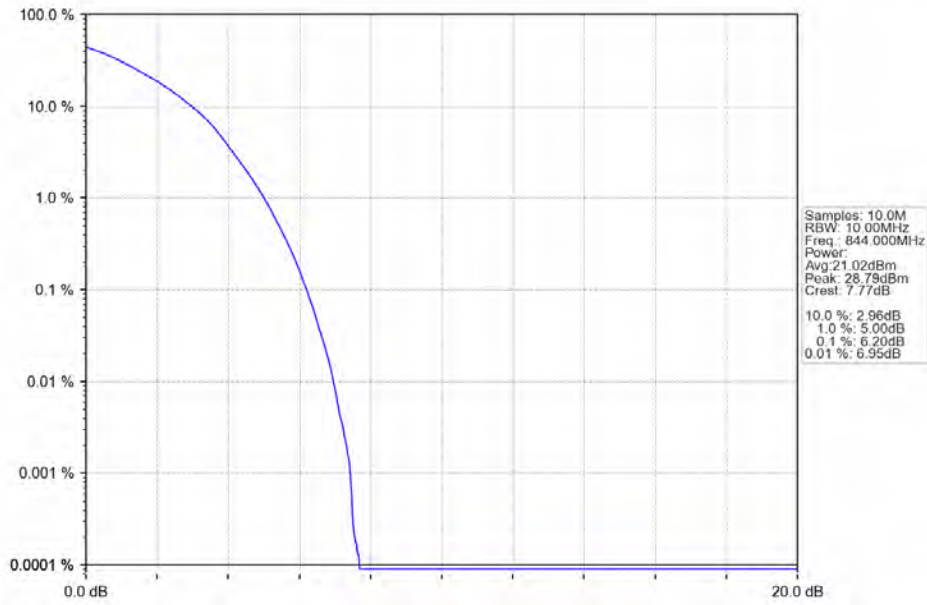
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Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV



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5. Spurious Emission & Band Edges

5.1 B5_1.4MHz

5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
64QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



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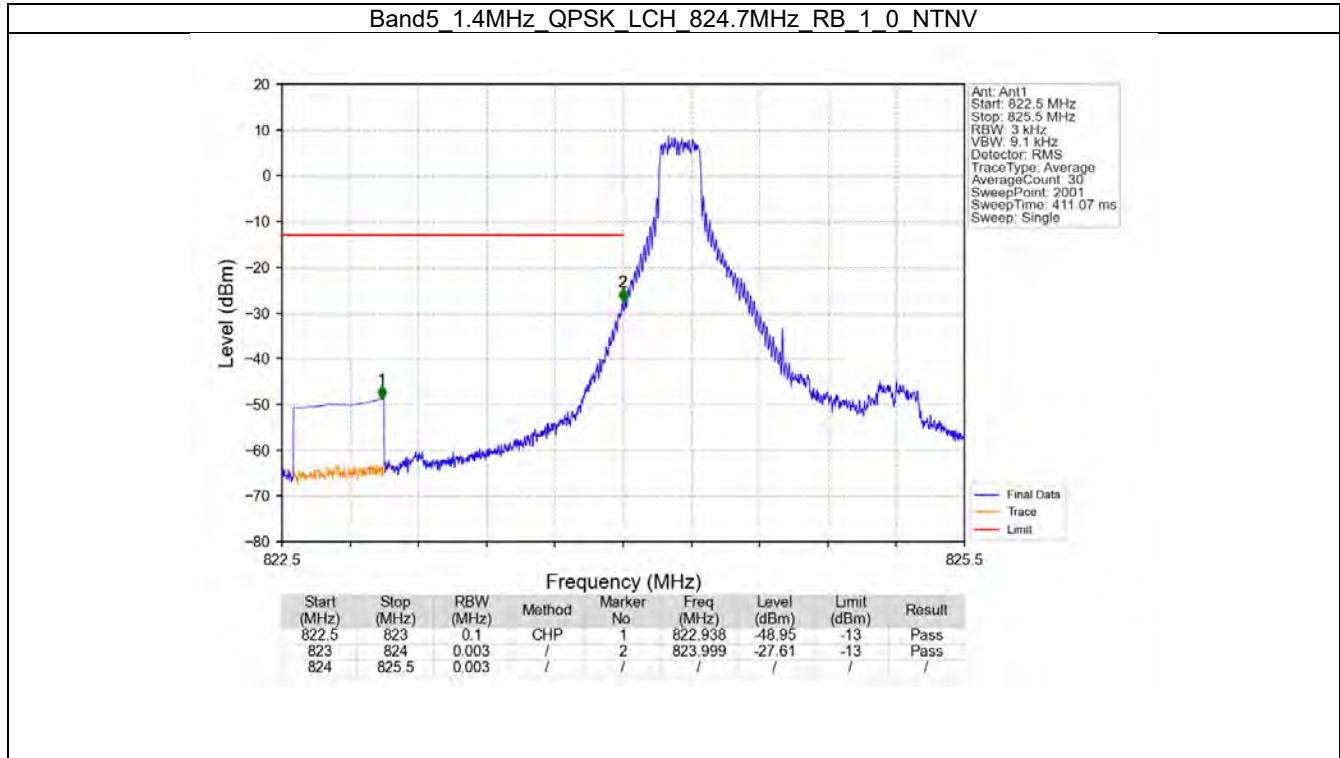
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5.1.2 Test Graph



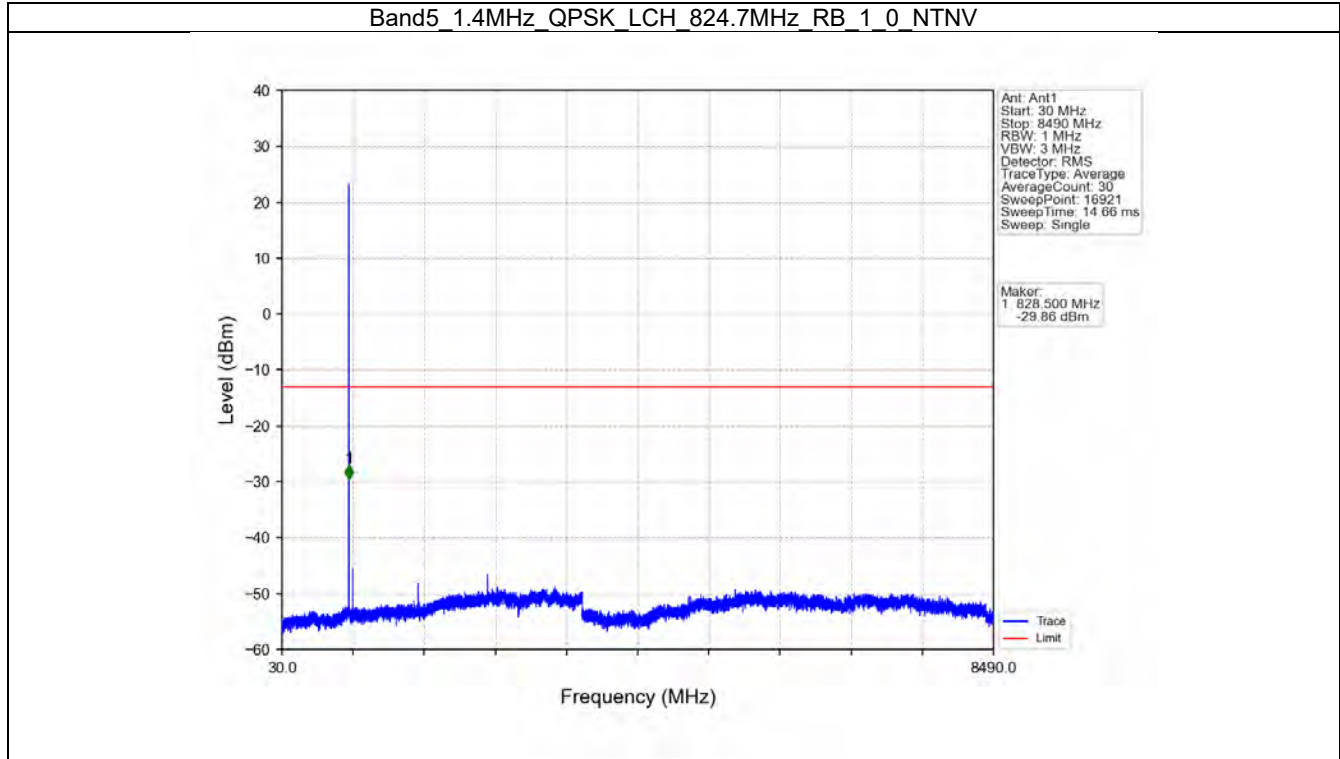
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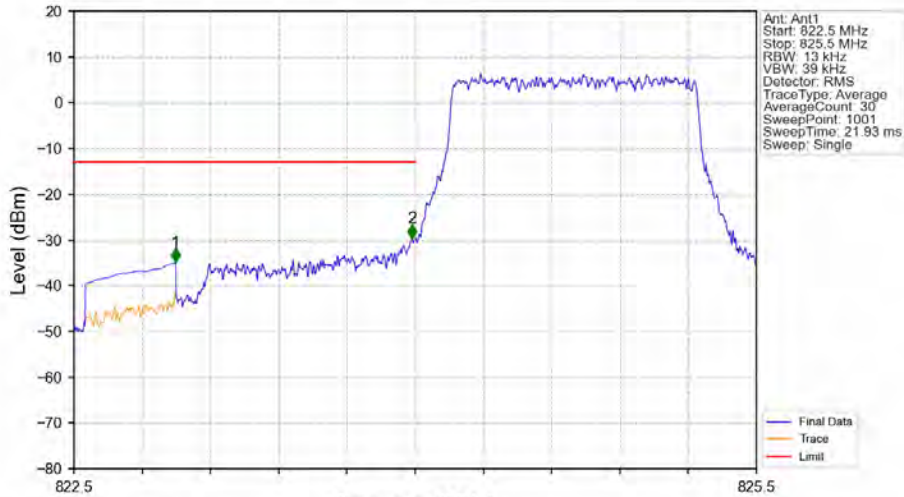
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Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-34.92	-13	Pass
823	824	0.013	/	2	823.985	-29.66	-13	Pass
824	825.5	0.013	/	/	/	/	/	/



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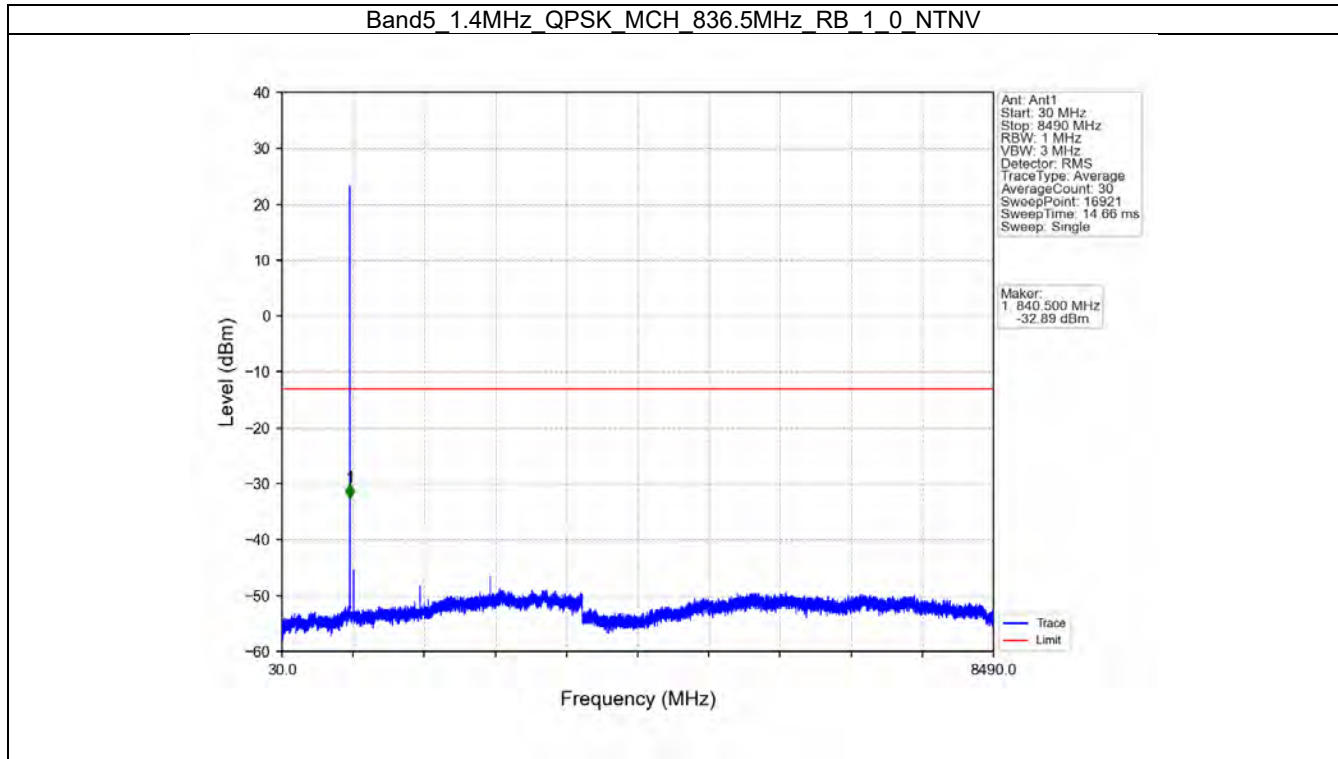


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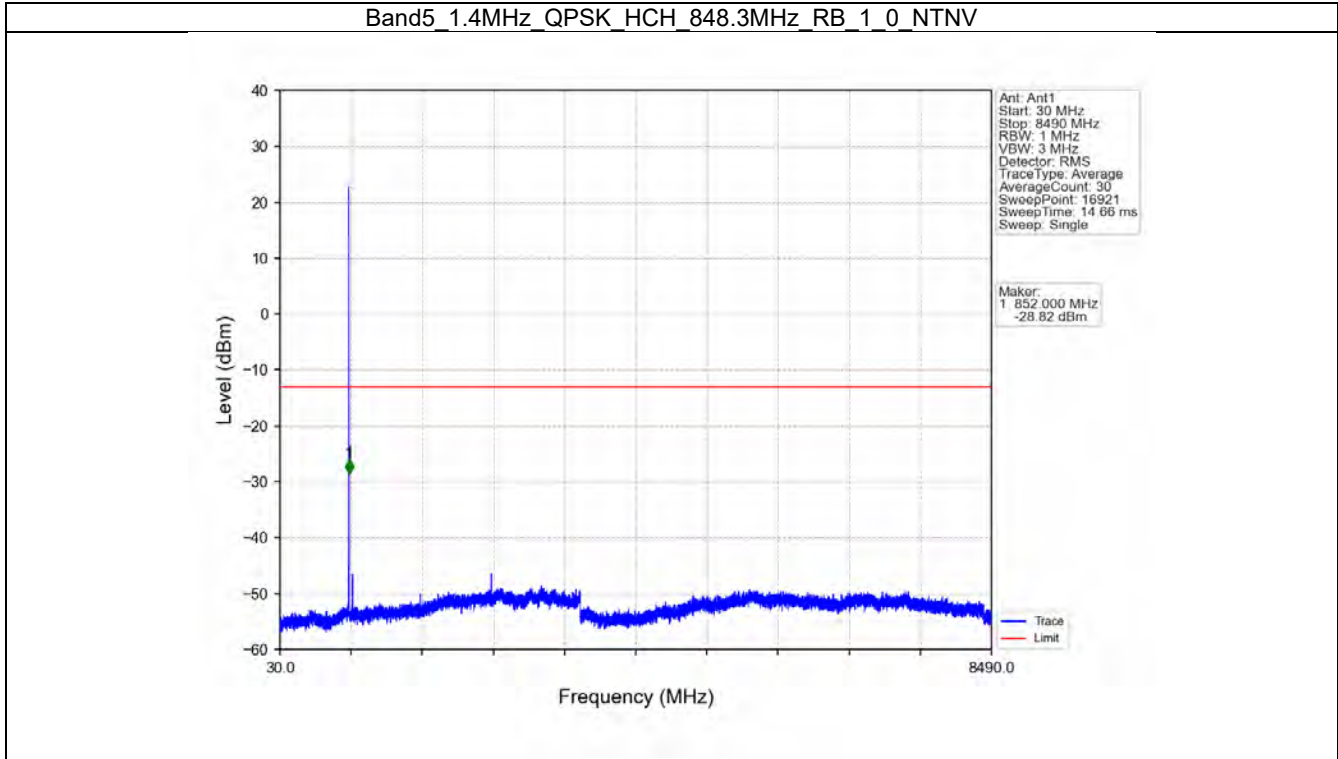
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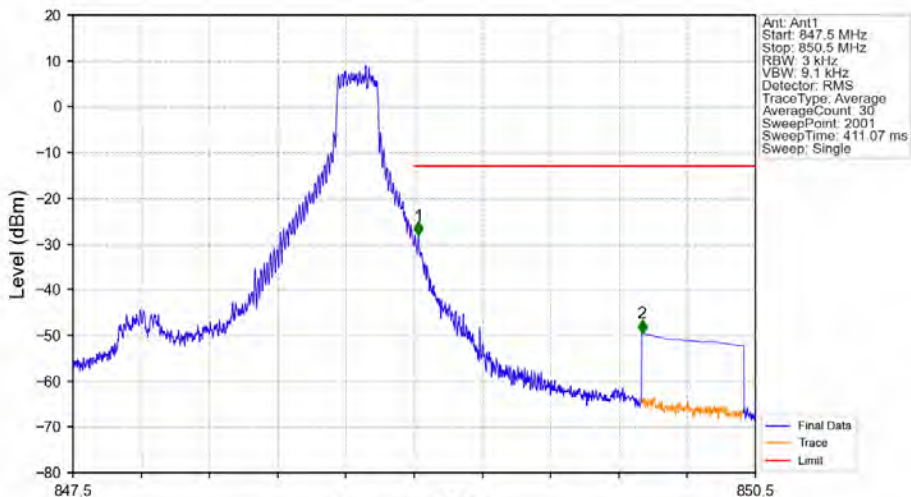
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Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	1	849.019	-28.21	-13	Pass
849	850	0.003	/	1	849.019	-28.21	-13	Pass
850	850.5	0.1	CHP	2	850.002	-49.57	-13	Pass



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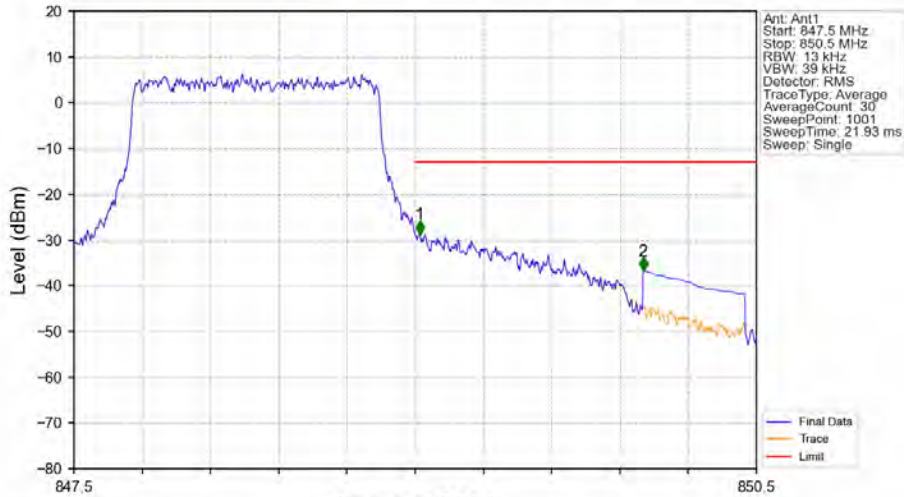
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Band5 1.4MHz QPSK HCH 848.3MHz RB 6_0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	1	849.021	-28.79	-13	Pass
849	850	0.013	CHP	2	850.002	-36.81	-13	Pass



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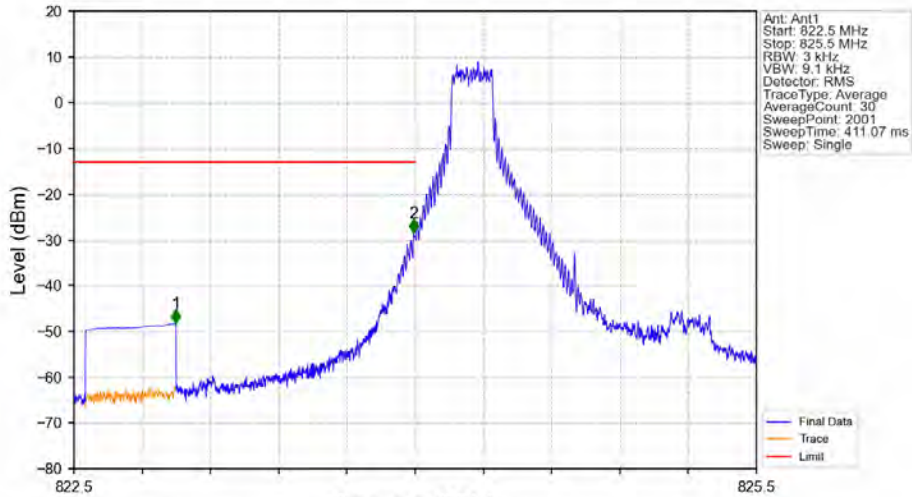
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Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.948	-48.33	-13	Pass
823	824	0.003	/	2	823.994	-28.55	-13	Pass
824	825.5	0.003	/	/	/	/	/	/



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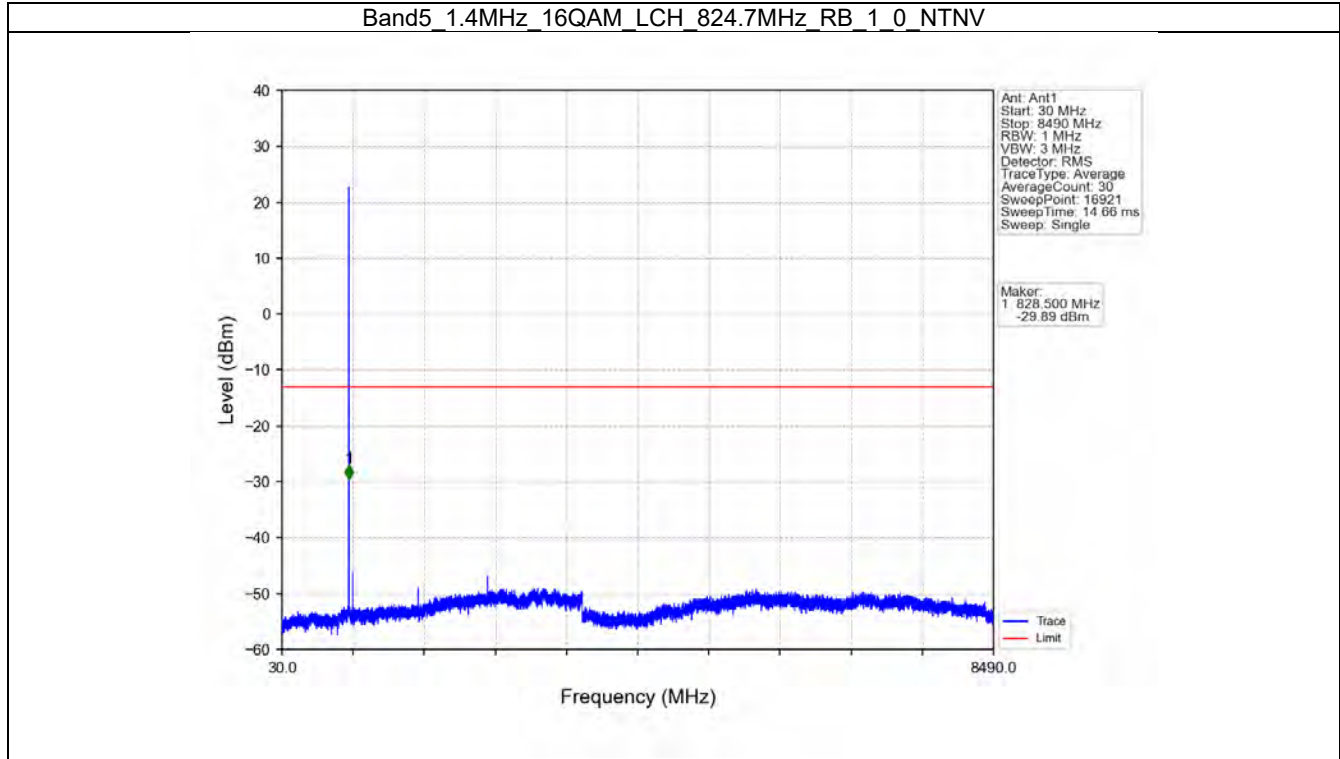
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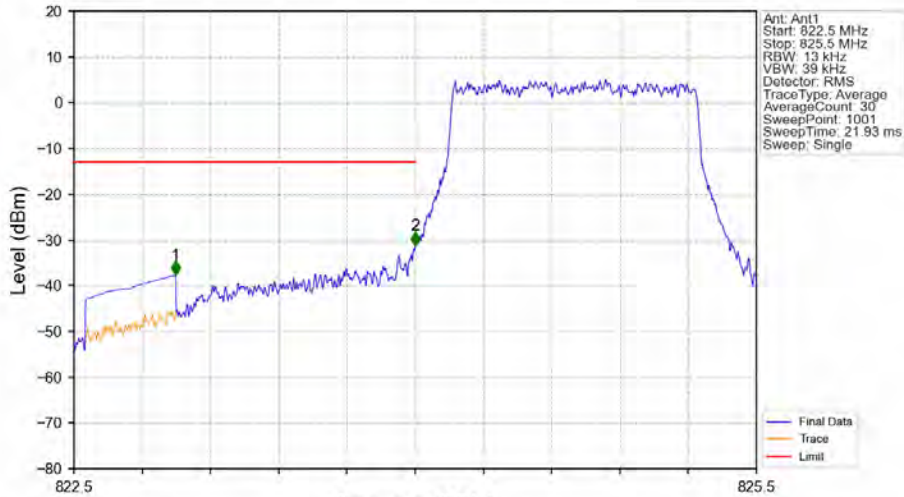
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Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-37.65	-13	Pass
823	824	0.013	/	2	824.000	-31.25	-13	Pass
824	825.5	0.013	/	/	/	/	/	/



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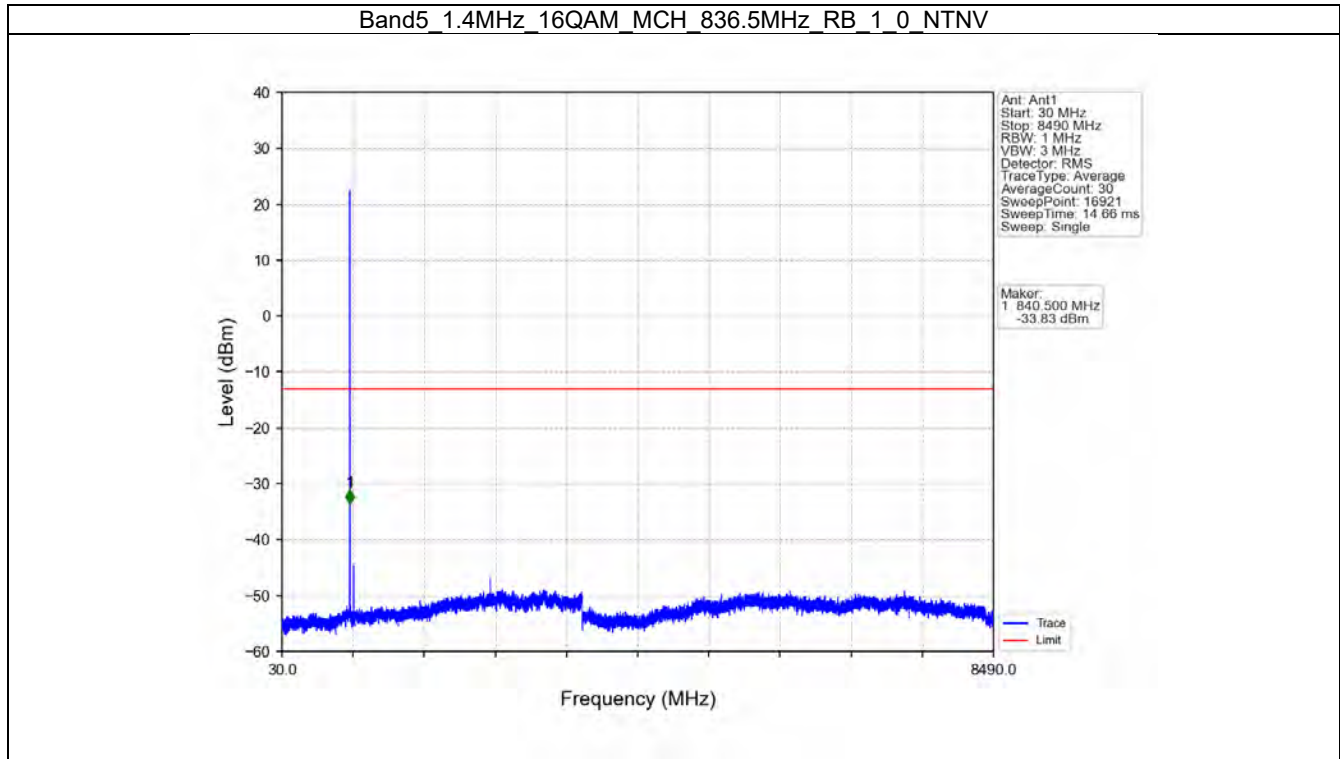


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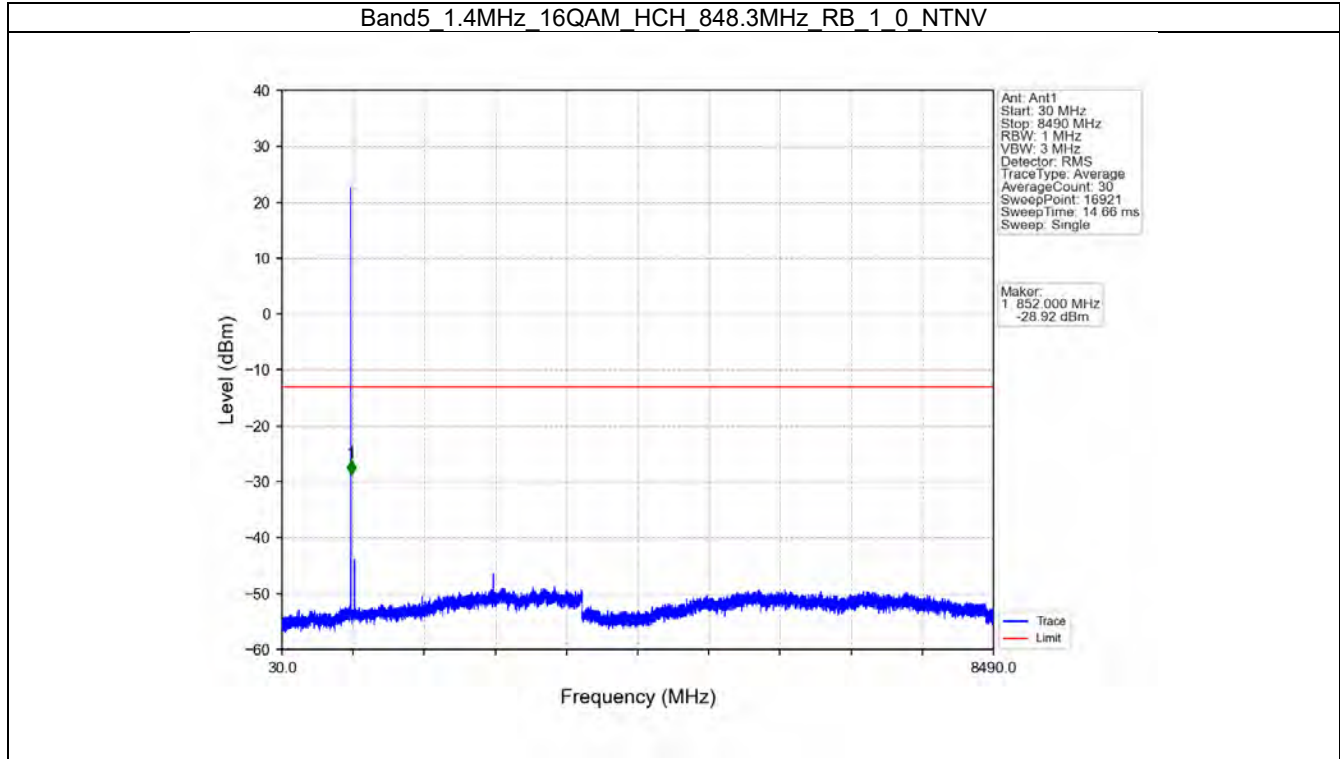
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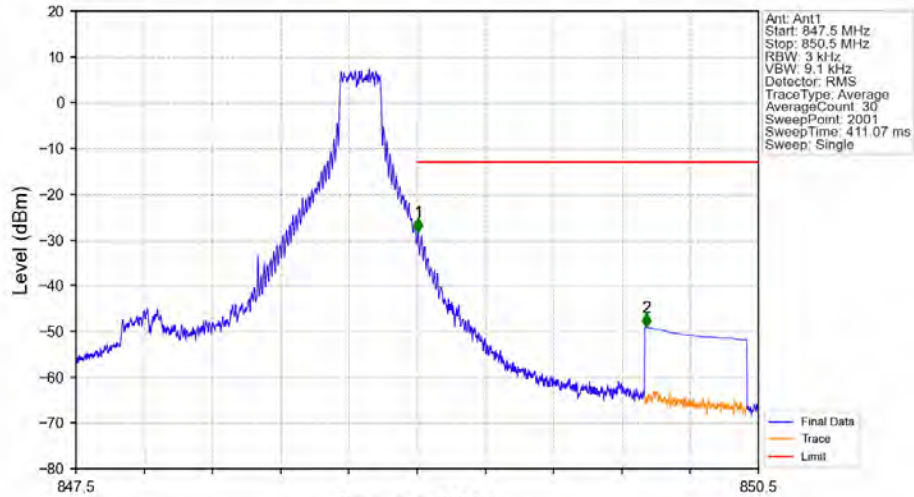
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Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	1	849.005	-28.29	-13	Pass
849	850	0.003	/	1	849.005	-28.29	-13	Pass
850	850.5	0.1	CHP	2	850.006	-49.19	-13	Pass



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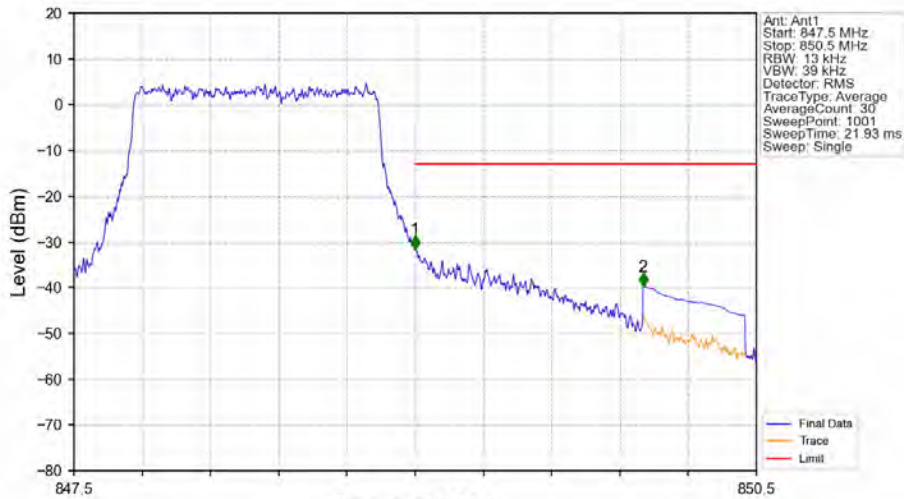
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Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	1	849.000	-31.58	-13	/
849	850	0.013	CHP	2	850.002	-39.79	-13	Pass



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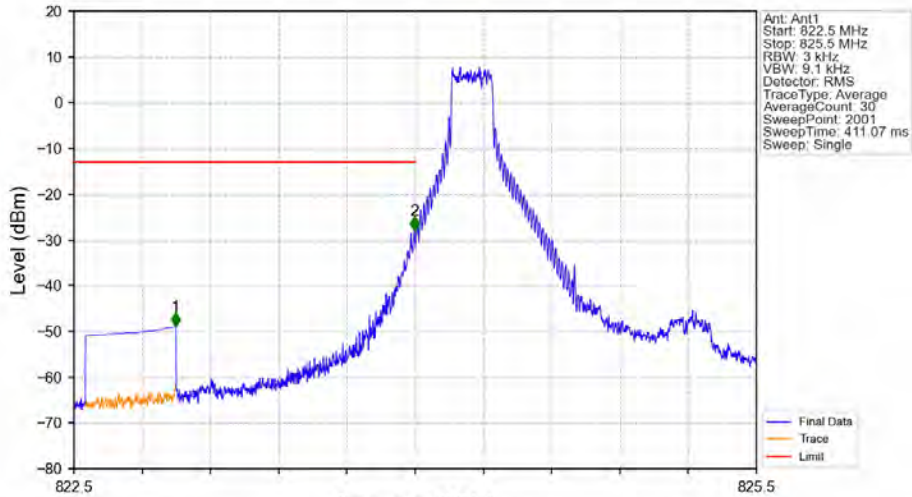
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Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.946	-49.01	-13	Pass
823	824	0.003	/	2	823.995	-27.91	-13	Pass
824	825.5	0.003	/	/	/	/	/	/



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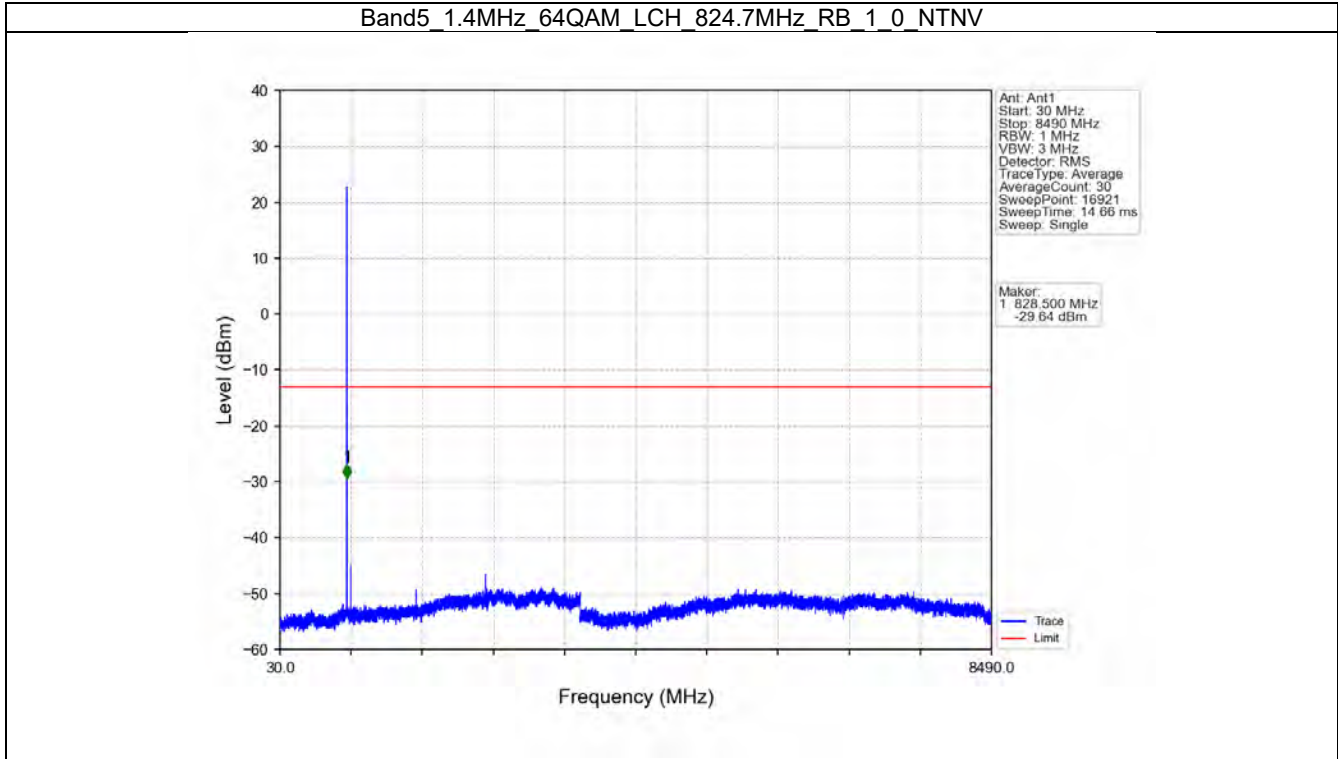
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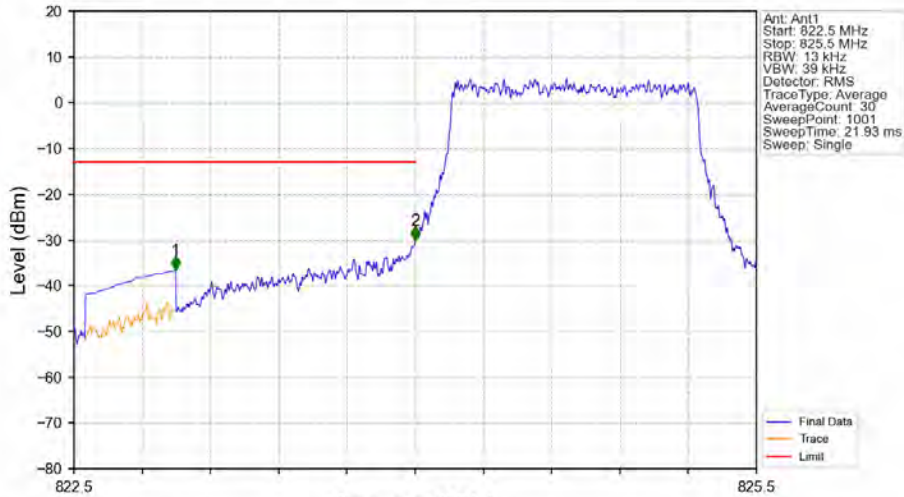
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Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-36.64	-13	Pass
823	824	0.013	/	2	824.000	-30.17	-13	Pass
824	825.5	0.013	/	/	/	/	/	/



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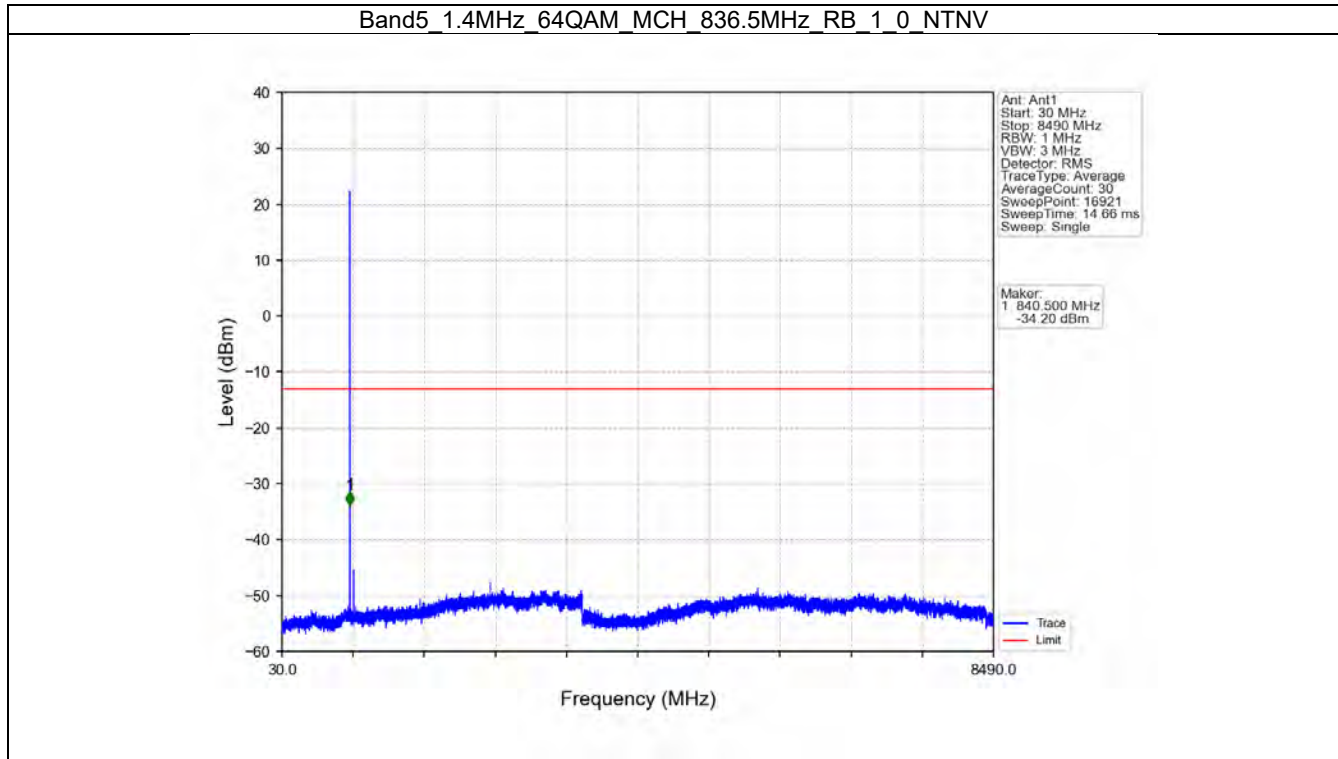


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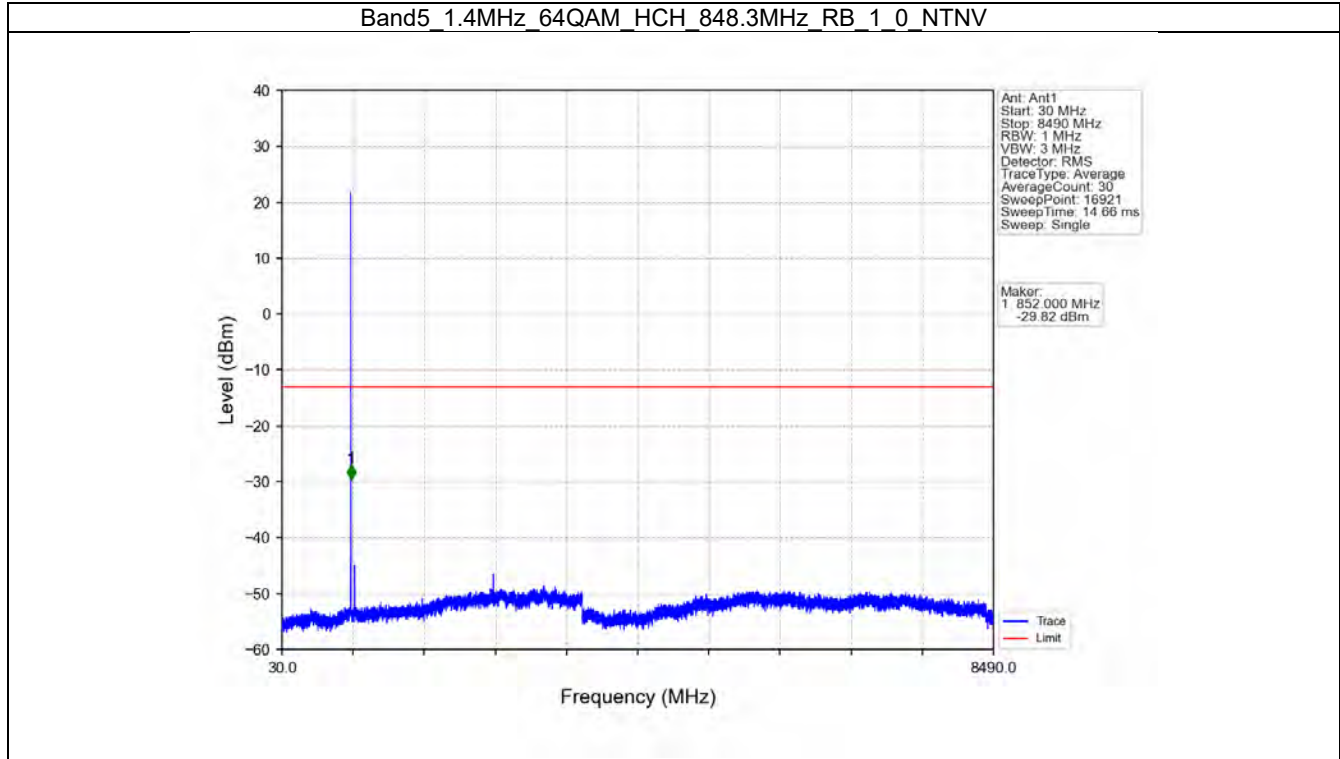
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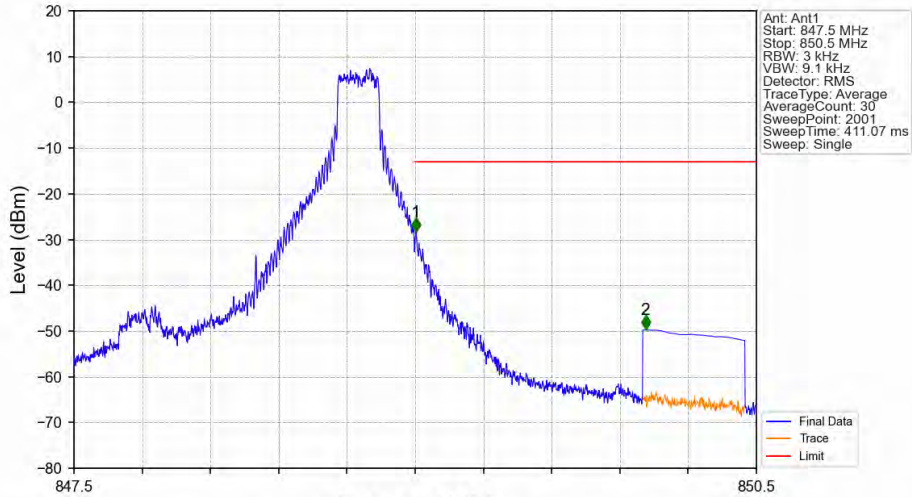
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Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-28.34	-13	Pass
850	850.5	0.1	CHP	2	850.013	-49.74	-13	Pass



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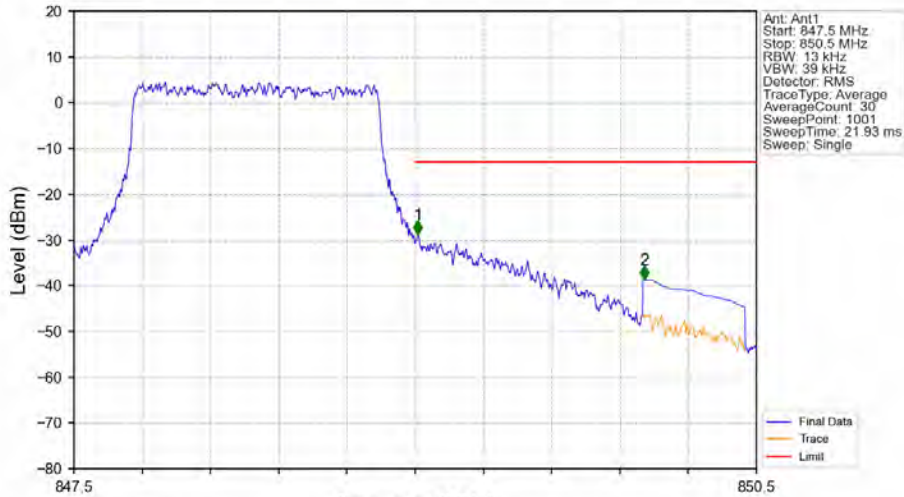
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Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	1	849.012	-28.83	-13	Pass
849	850	0.013	/	2	850.008	-38.72	-13	Pass



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5.2 B5_3MHz

5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph	Pass	
		15	0	Refer To Test Graph	Pass	
	836.5	1	0	Refer To Test Graph	Pass	
		847.5	1	0	Refer To Test Graph	Pass
				14	Refer To Test Graph	Pass
			15	0	Refer To Test Graph	Pass
16QAM	825.5	1	0	Refer To Test Graph	Pass	
		15	0	Refer To Test Graph	Pass	
	836.5	1	0	Refer To Test Graph	Pass	
		847.5	1	0	Refer To Test Graph	Pass
				14	Refer To Test Graph	Pass
			15	0	Refer To Test Graph	Pass
64QAM	825.5	1	0	Refer To Test Graph	Pass	
		15	0	Refer To Test Graph	Pass	
	836.5	1	0	Refer To Test Graph	Pass	
		847.5	1	0	Refer To Test Graph	Pass
				14	Refer To Test Graph	Pass
			15	0	Refer To Test Graph	Pass



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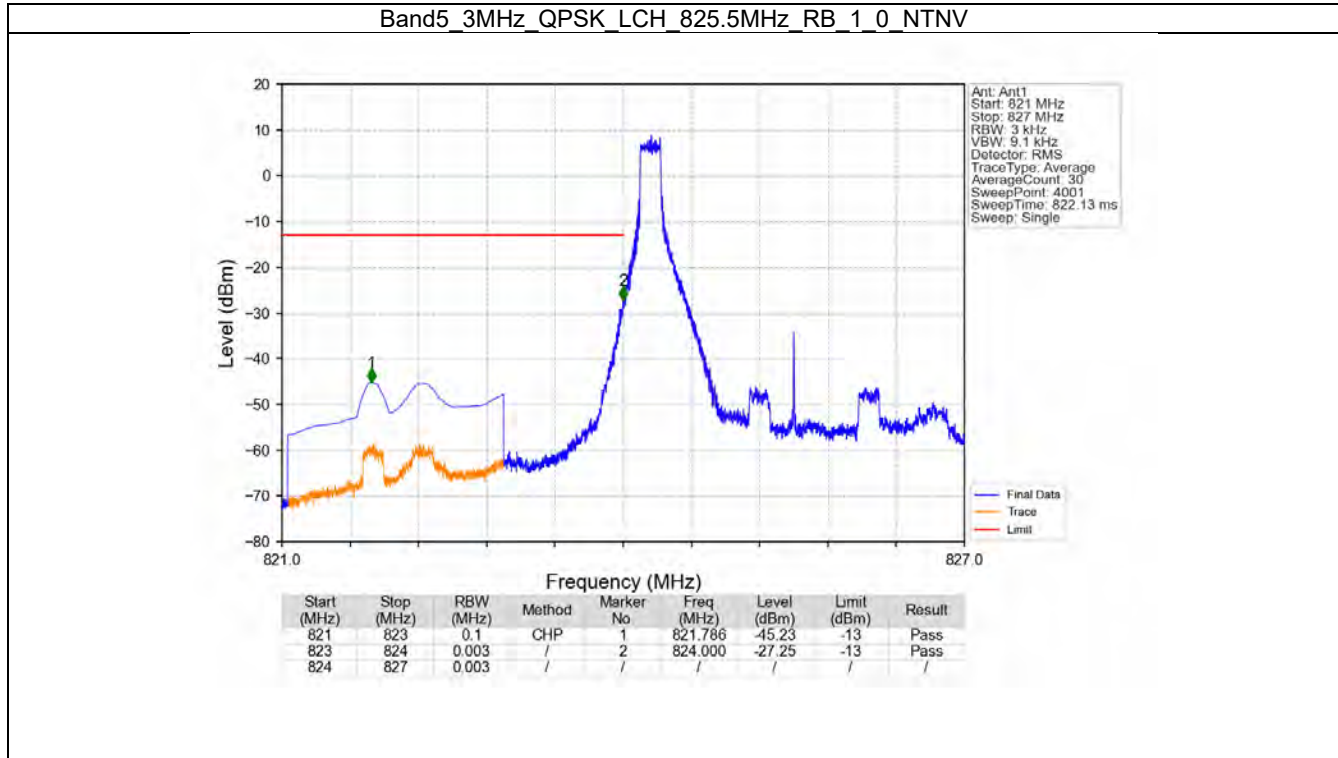
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5.2.2 Test Graph



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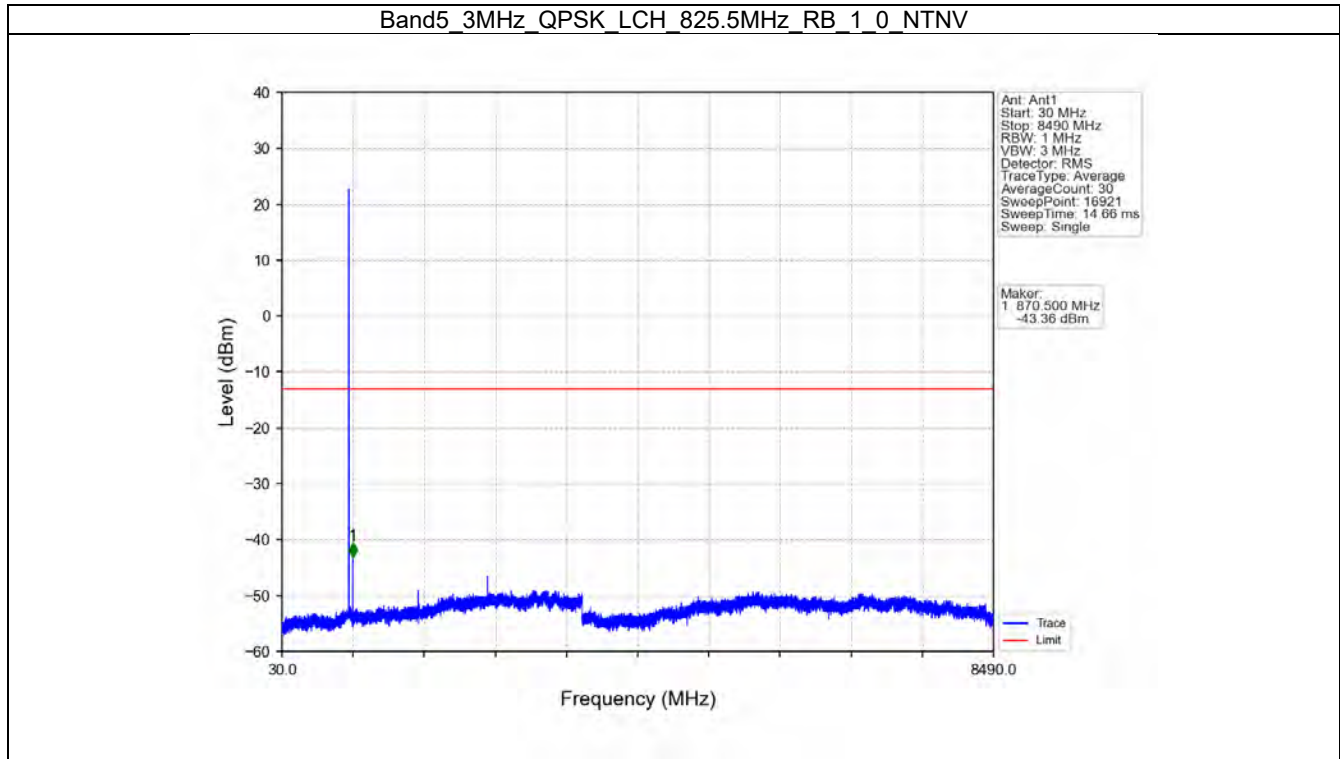


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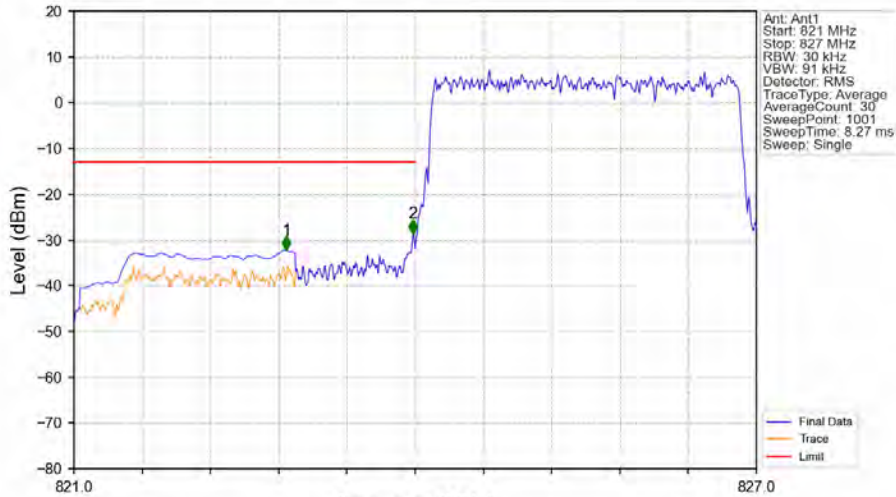
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Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.866	-32.22	-13	Pass
823	824	0.03	/	2	823.982	-28.60	-13	Pass
824	827	0.03	/	/	/	/	/	/



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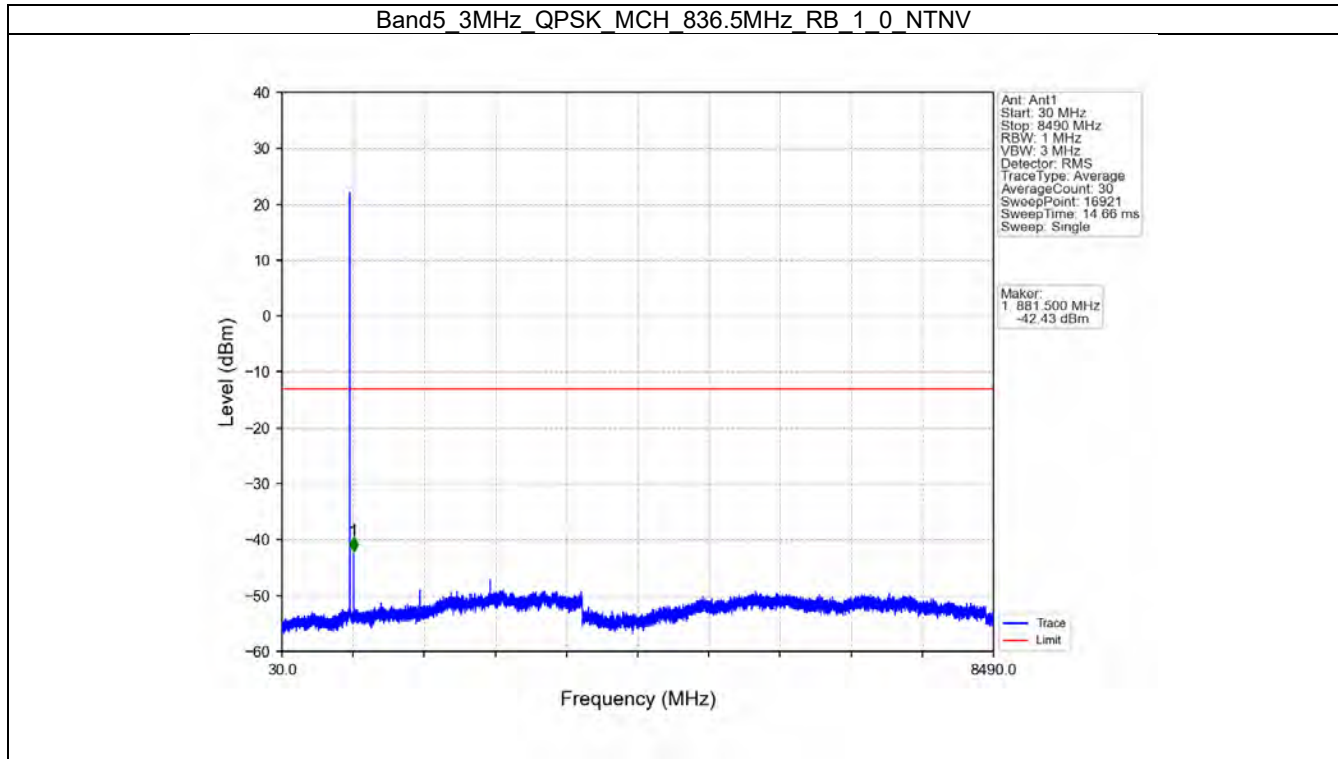


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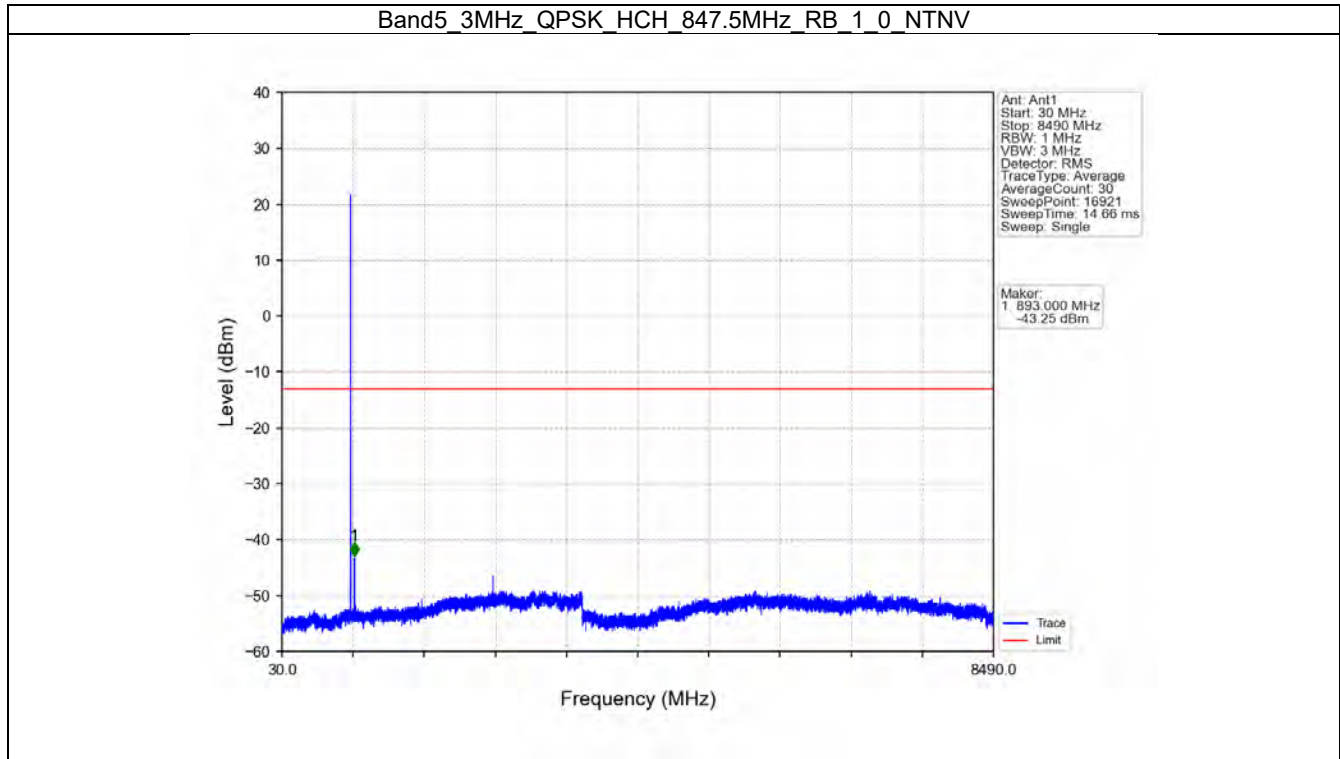
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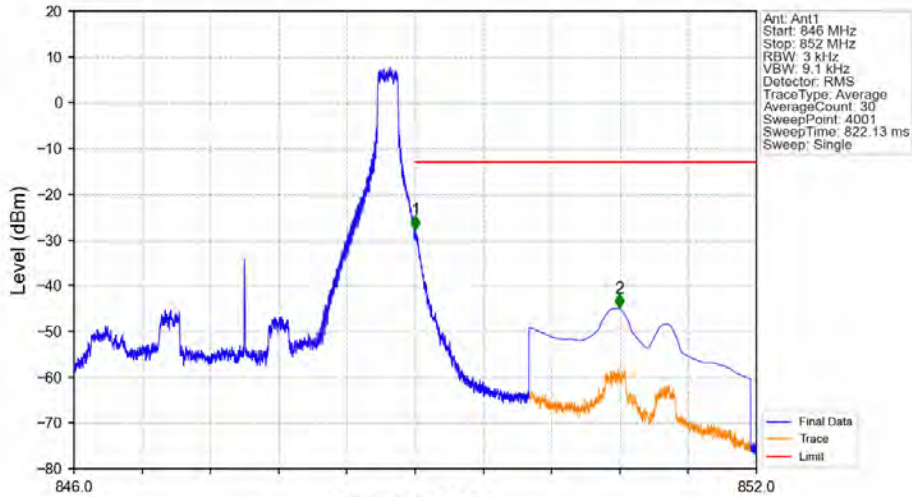
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Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	1	849.001	-27.72	-13	Pass
849	850	0.003	/	2	850.794	-44.89	-13	Pass
850	852	0.1	CHP					



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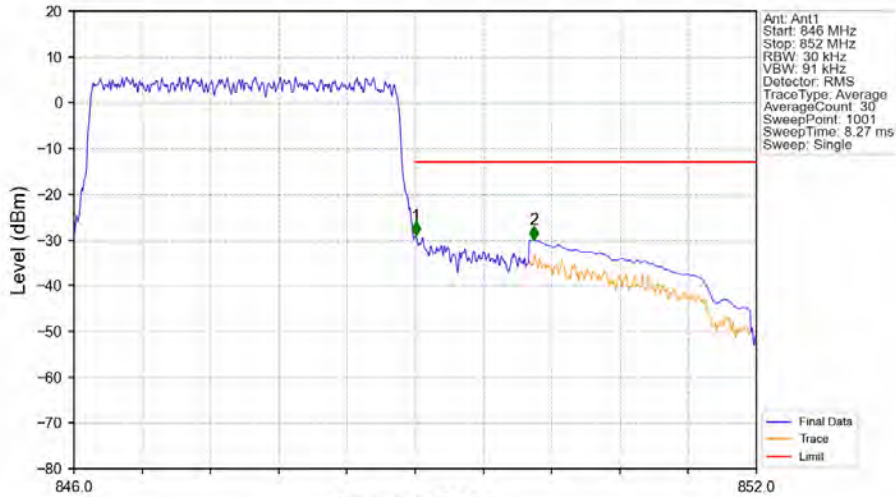
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Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.006	-28.99	-13	Pass
850	852	0.1	CHP	2	850.044	-30.03	-13	Pass



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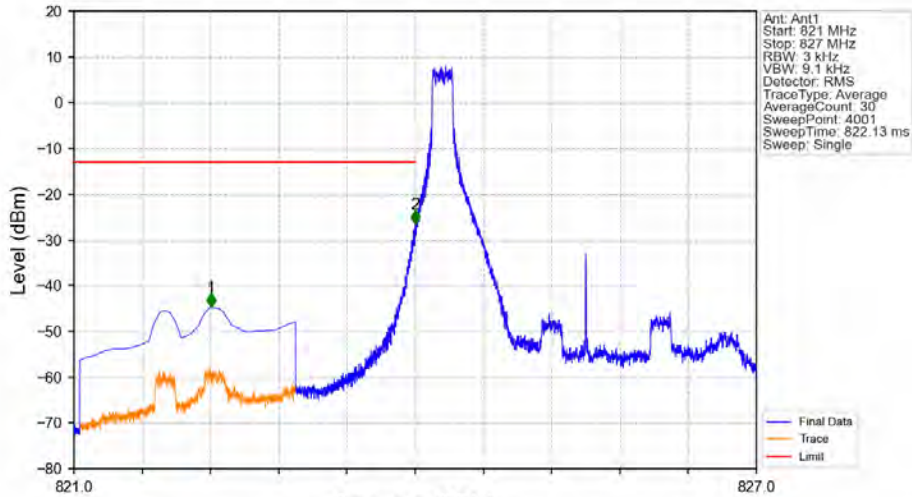
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Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.203	-44.73	-13	Pass
823	824	0.003	/	2	824.000	-26.64	-13	Pass
824	827	0.003	/	/	/	/	/	/



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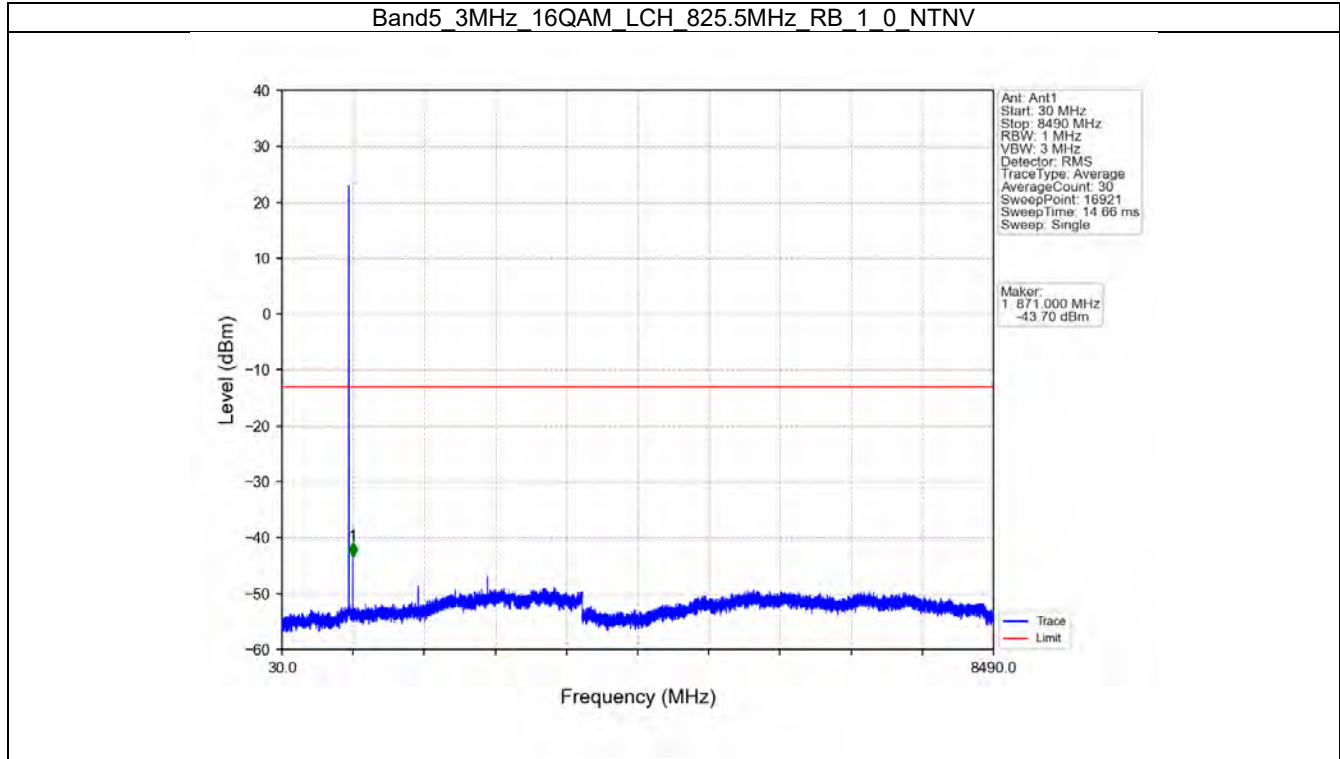
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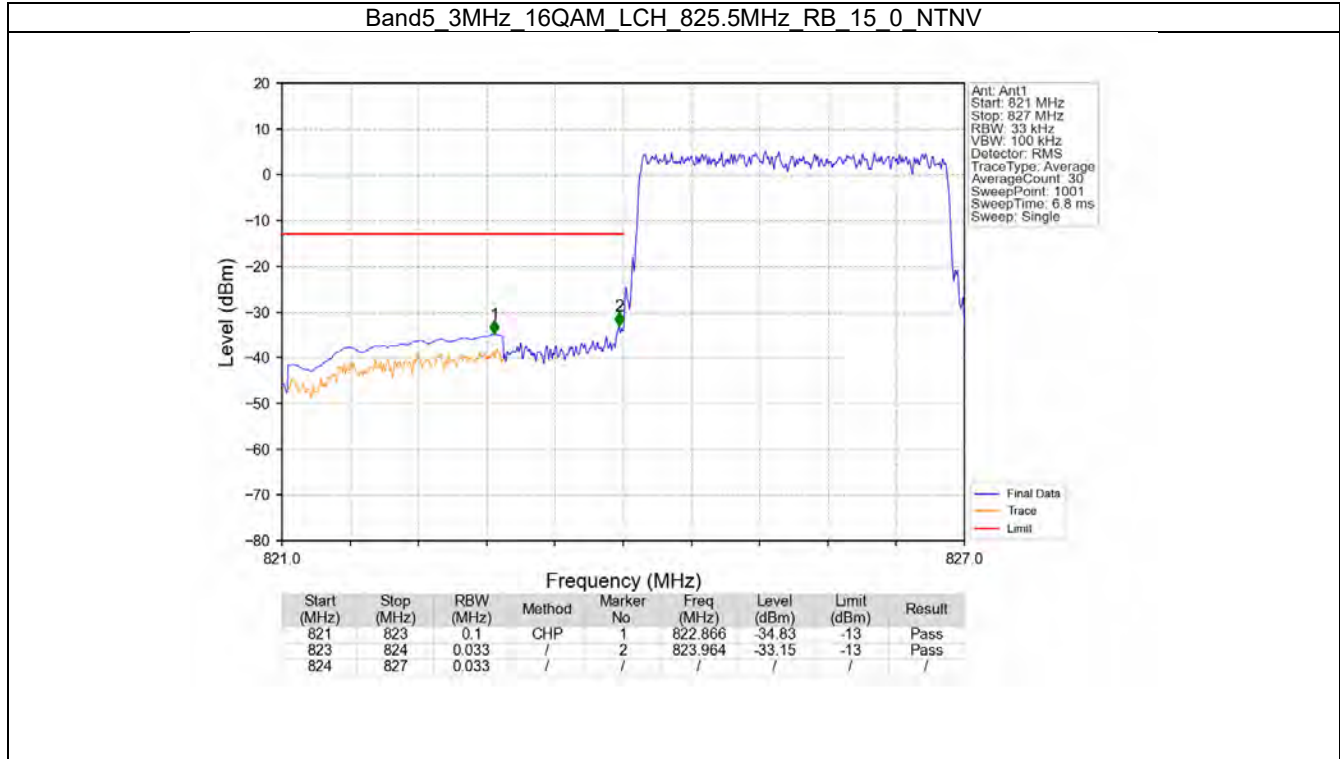
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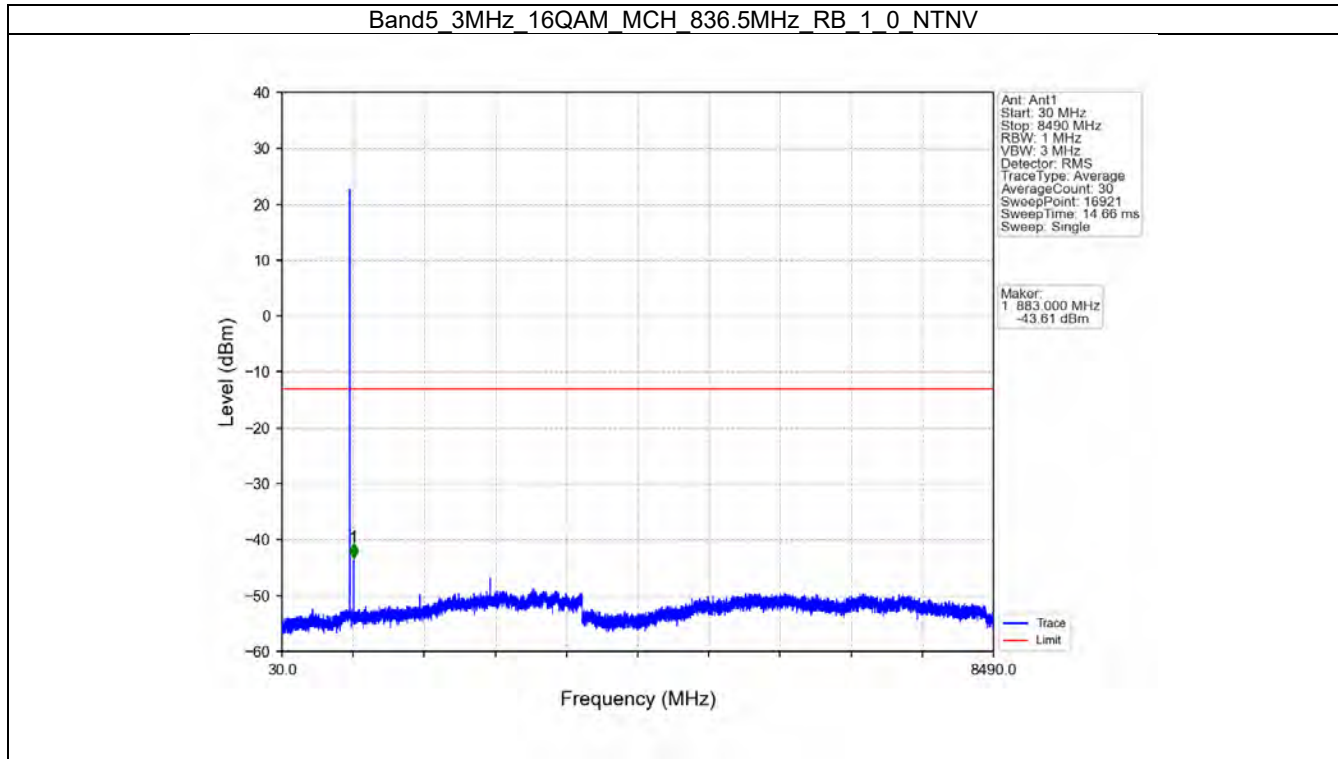


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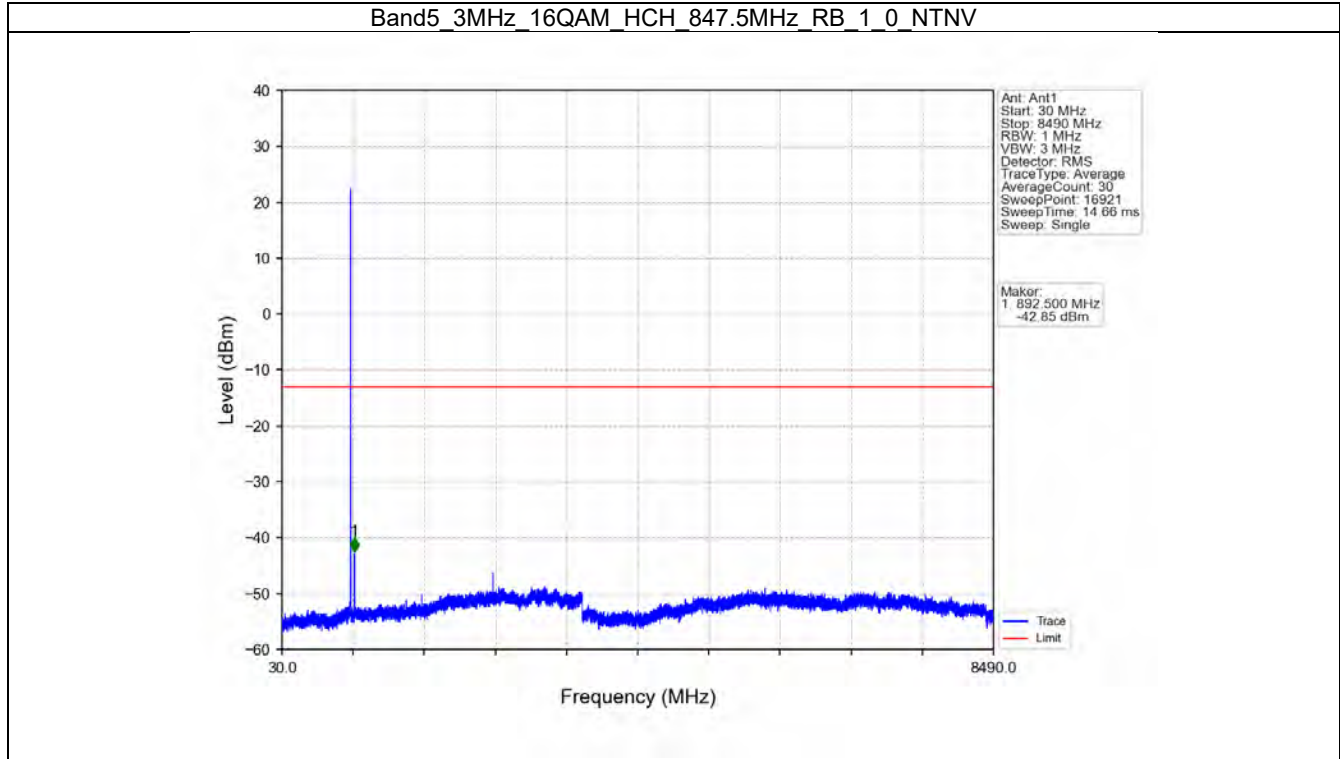
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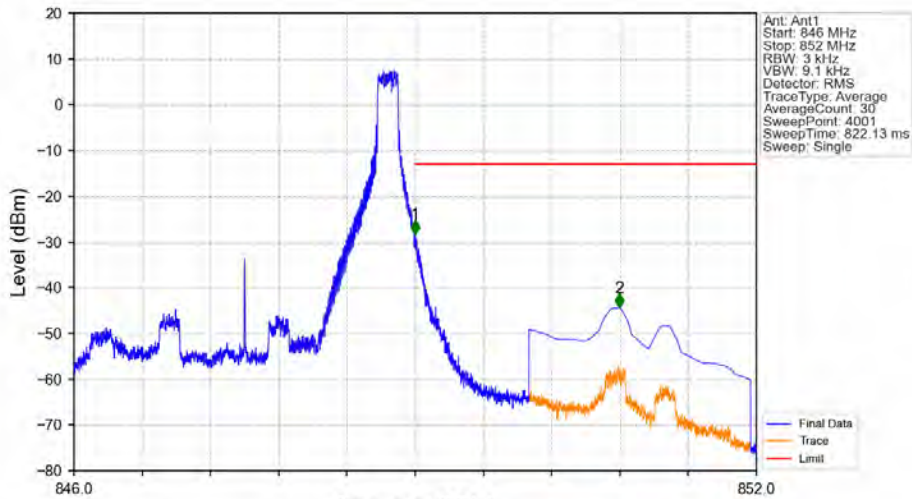
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Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	1	849.000	-28.38	-13	Pass
849	850	0.003	/	2	850.797	-44.36	-13	Pass
850	852	0.1	CHP					



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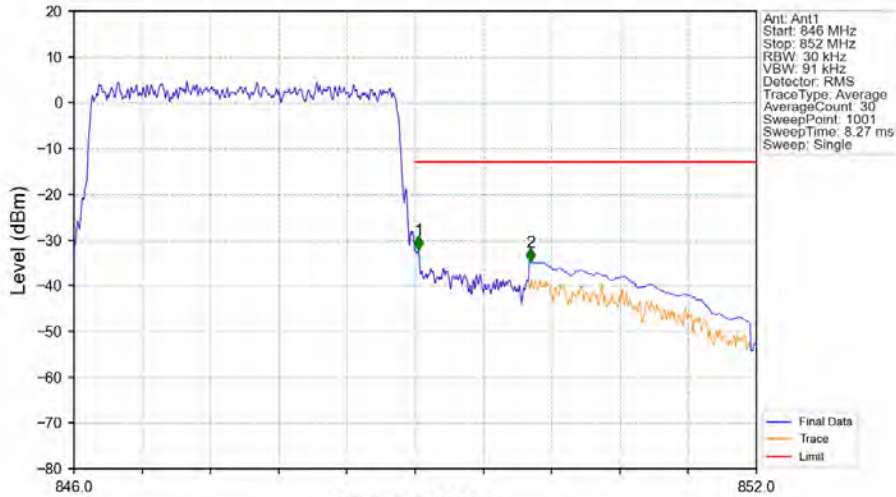
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Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.030	-32.27	-13	Pass
850	852	0.1	CHP	2	850.014	-34.84	-13	Pass



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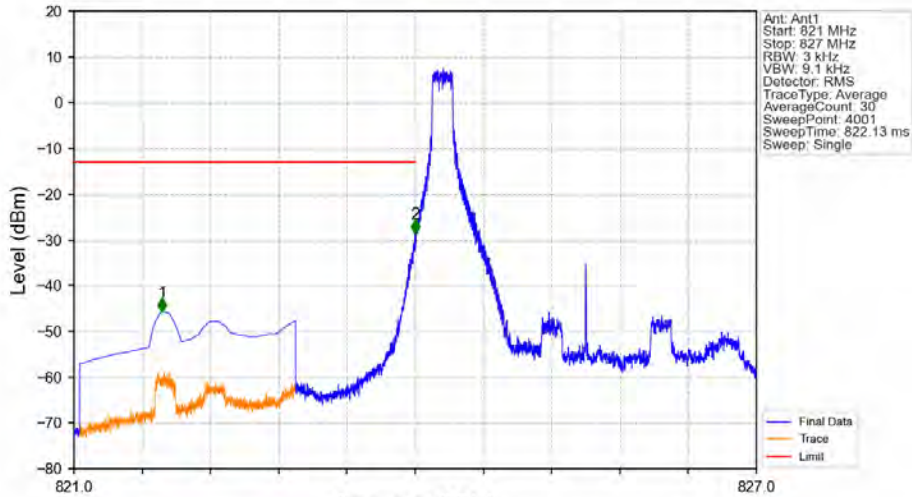
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Band5_3MHz_64QAM_LCH_825.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	821.775	-45.73	-13	Pass
823	824	0.003	/	2	823.999	-28.72	-13	Pass
824	827	0.003	/	/	/	/	/	/



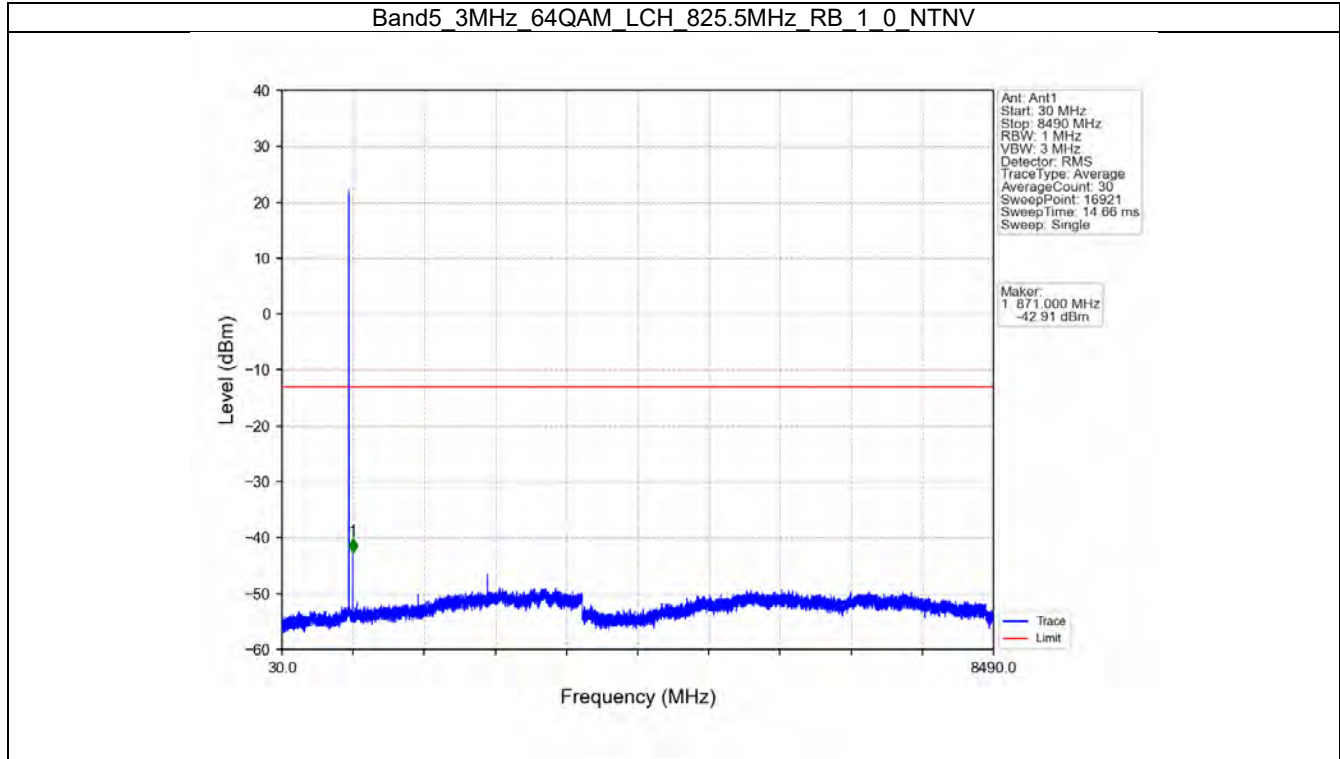
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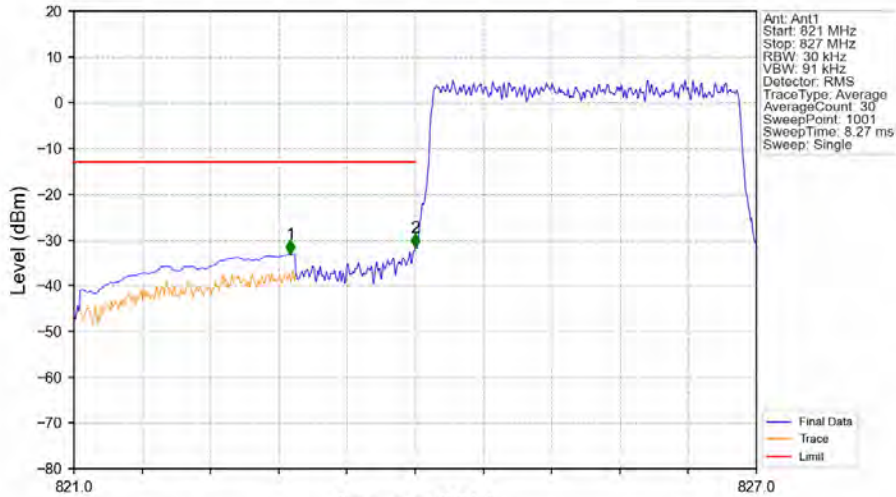
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Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.902	-33.15	-13	Pass
823	824	0.03	/	2	824.000	-31.64	-13	Pass
824	827	0.03	/	/	/	/	/	/



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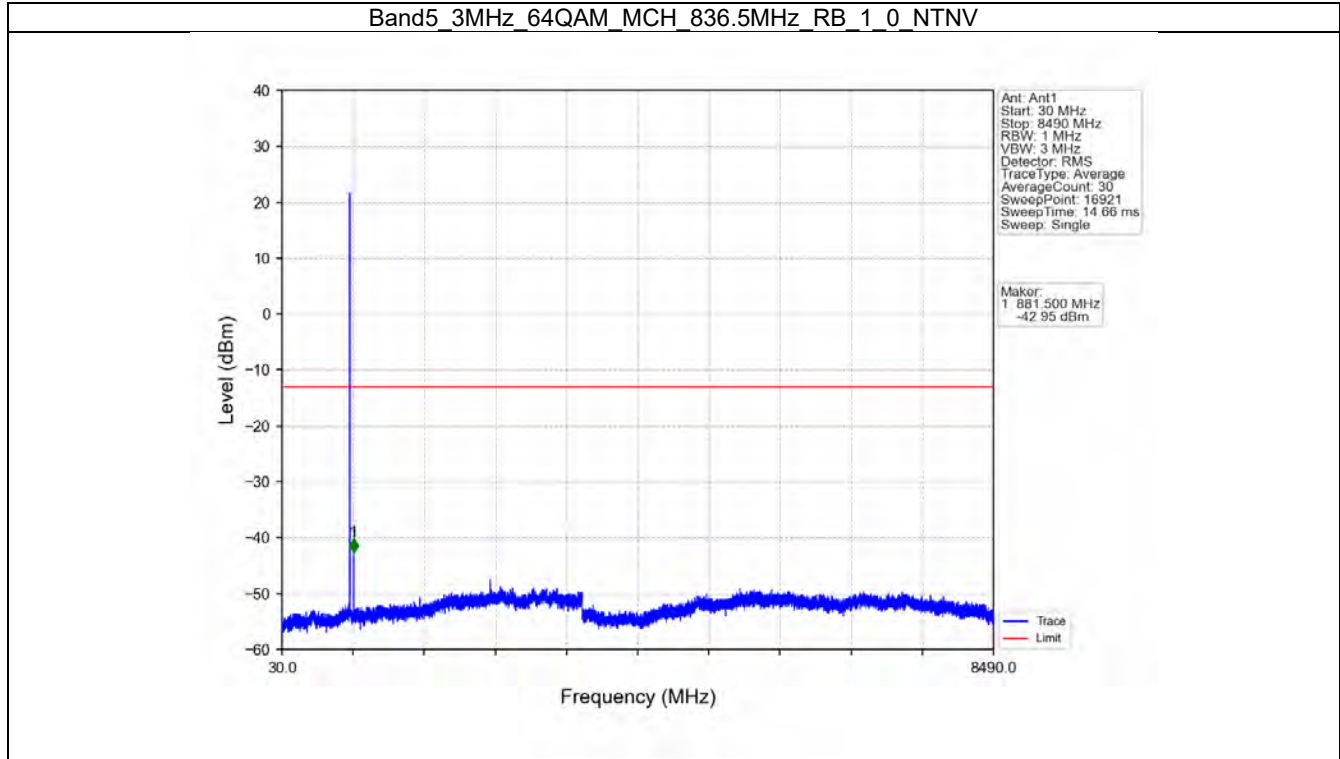
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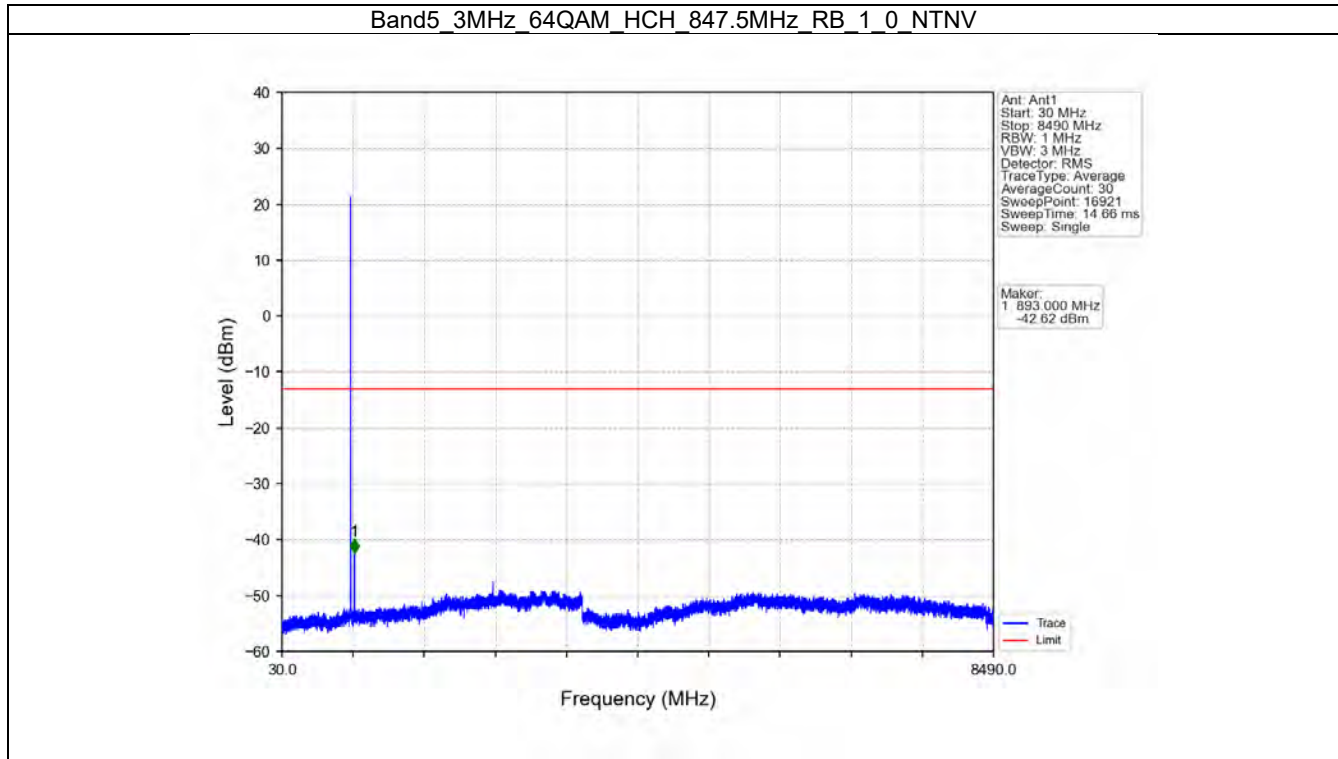


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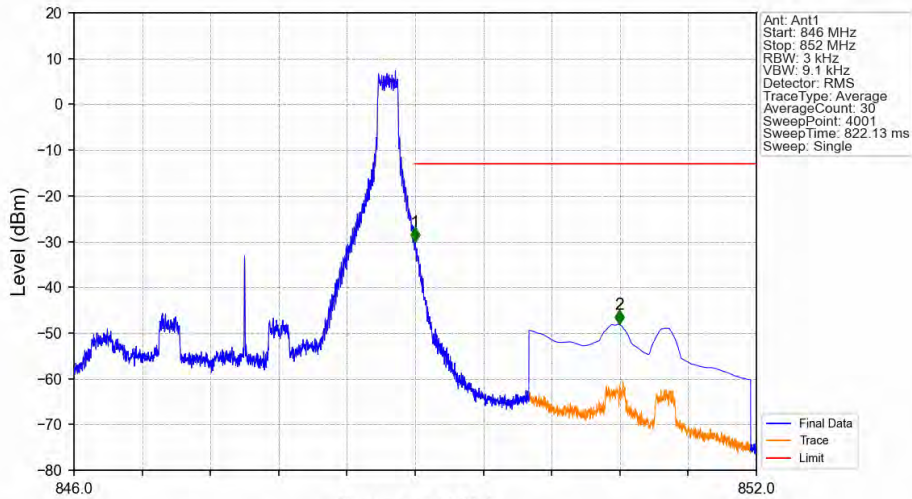
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Band5_3MHz_64QAM_HCH_847.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.000	-30.15	-13	Pass
850	852	0.1	CHP	2	850.794	-48.09	-13	Pass



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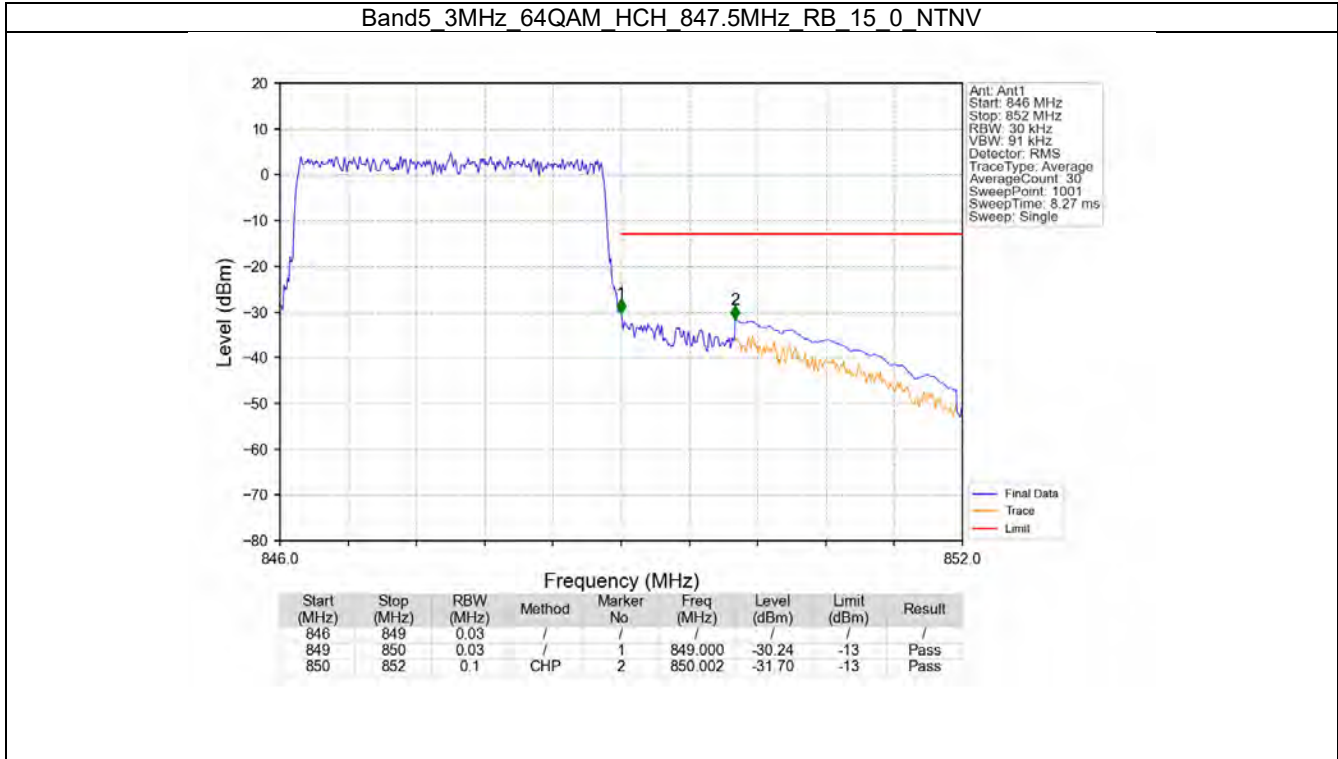
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5.3 B5_5MHz

5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
	836.5	1	0	Refer To Test Graph	Pass	
		846.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass	
25	0	Refer To Test Graph	Pass			
16QAM	826.5	1	0	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
	836.5	1	0	Refer To Test Graph	Pass	
		846.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass	
25	0	Refer To Test Graph	Pass			
64QAM	826.5	1	0	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
	836.5	1	0	Refer To Test Graph	Pass	
		846.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass	
25	0	Refer To Test Graph	Pass			



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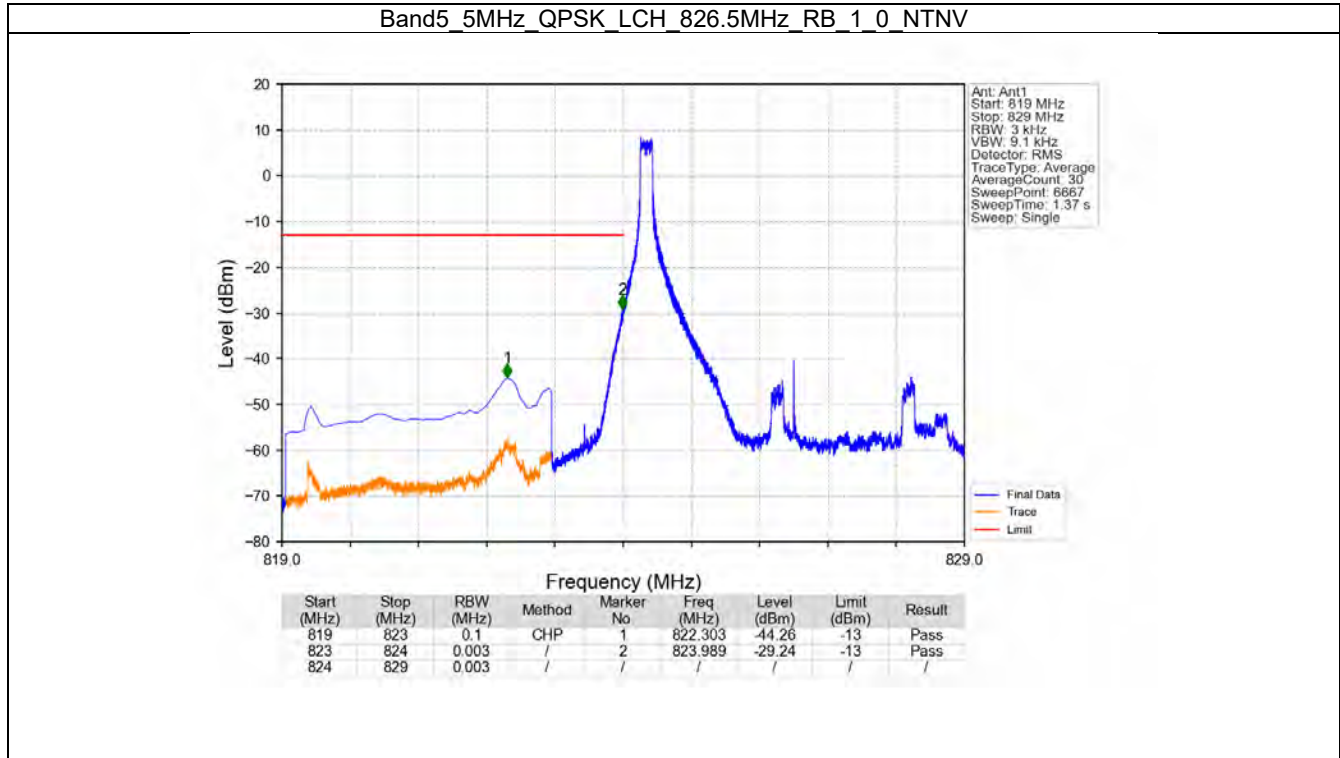
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5.3.2 Test Graph



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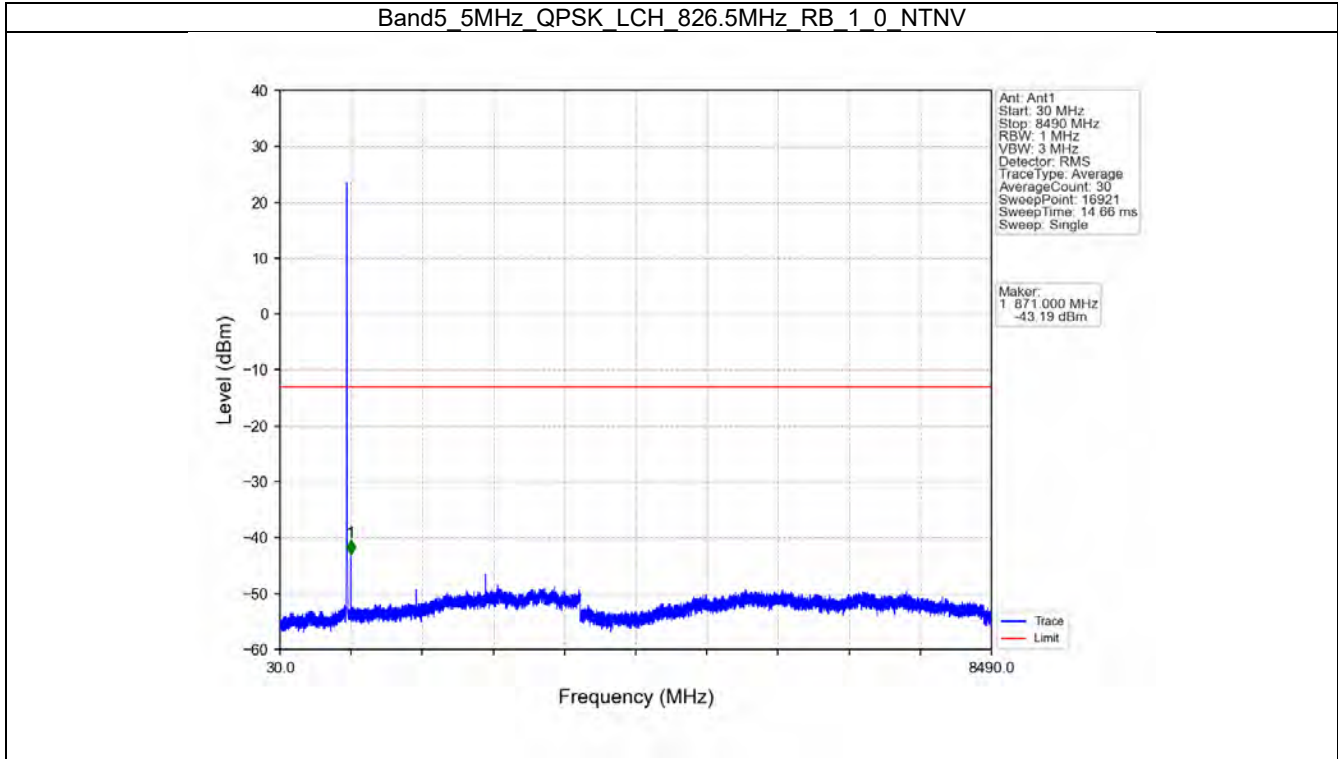
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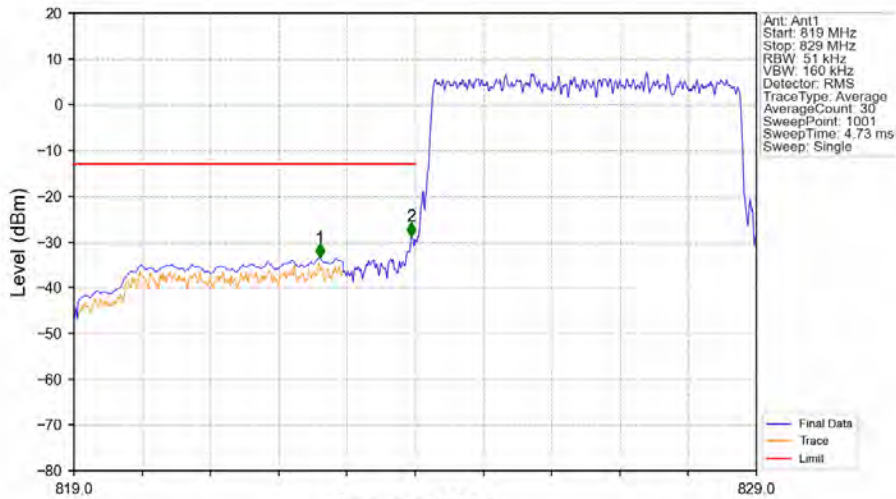
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Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.600	-33.41	-13	Pass
823	824	0.051	/	2	823.940	-28.79	-13	Pass
824	829	0.051	/	/	/	/	/	/



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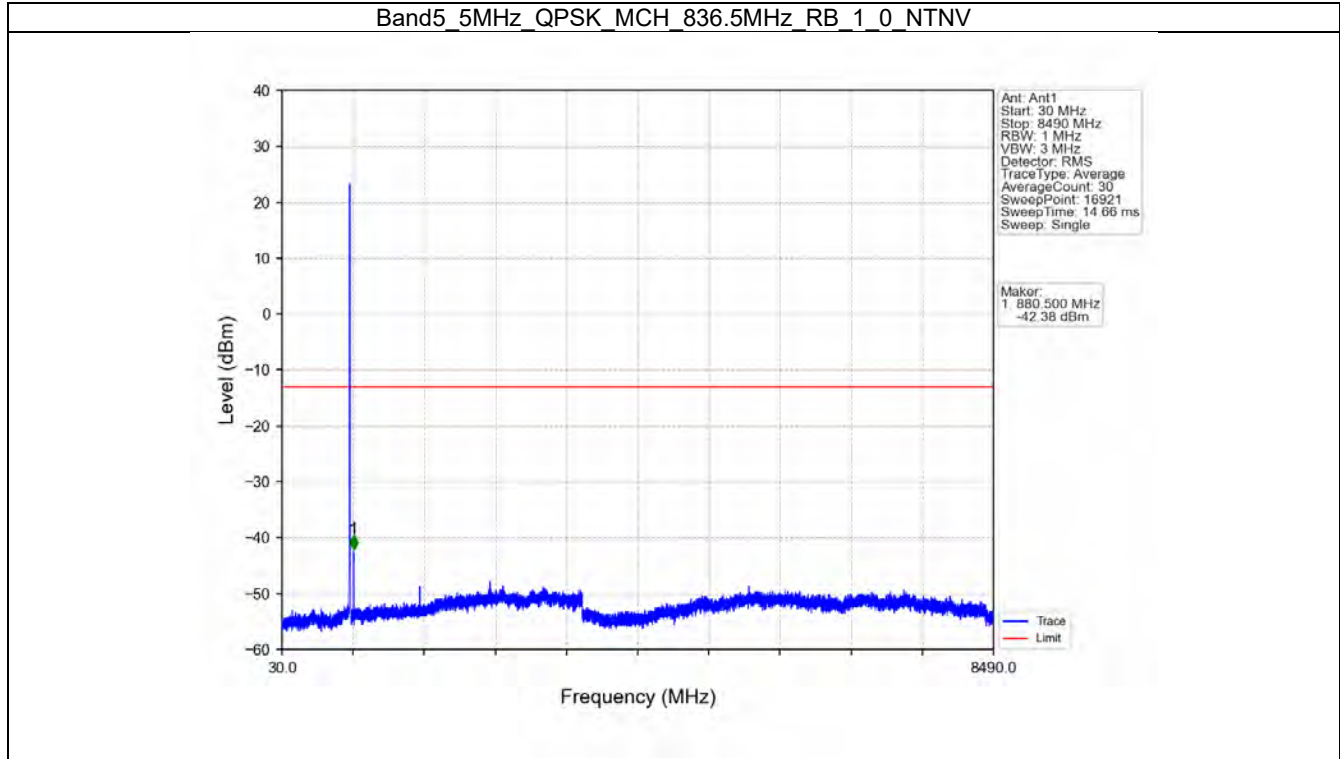
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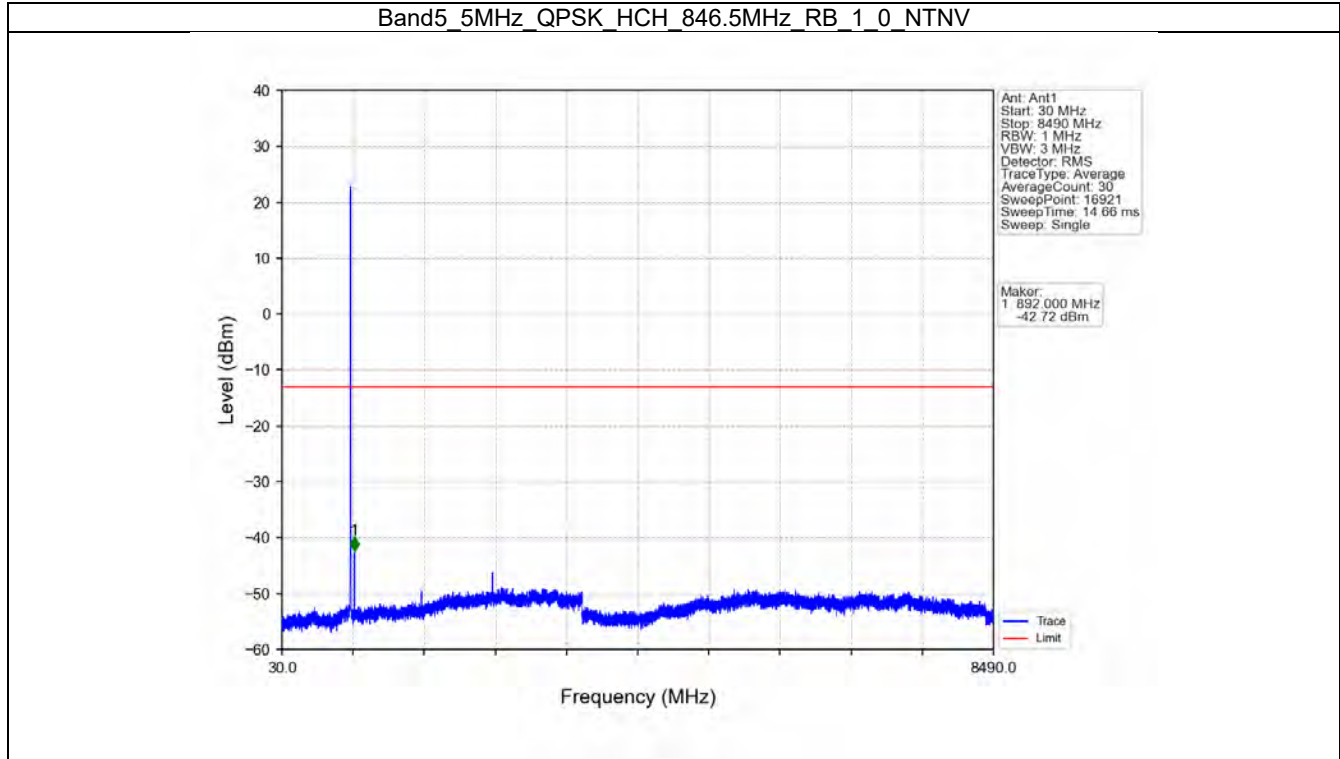


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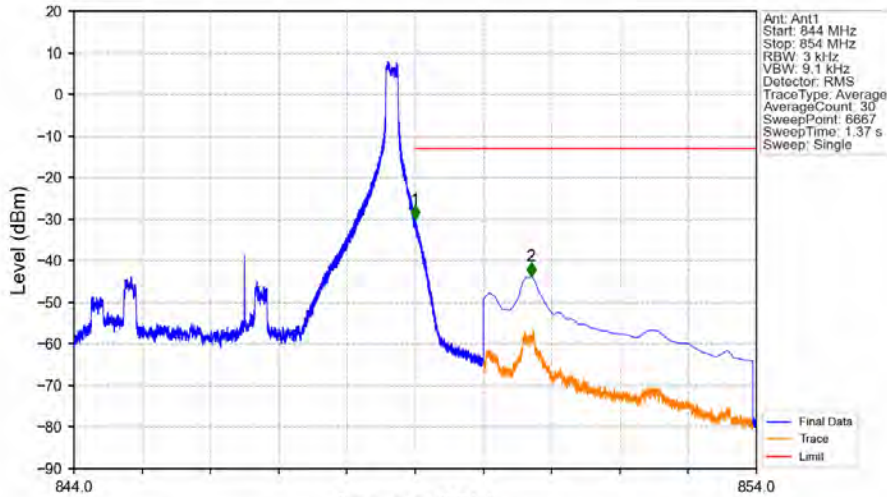
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Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	1	849.000	-30.07	-13	Pass
849	850	0.003	/	2	850.697	-43.73	-13	Pass
850	854	0.1	CHP					



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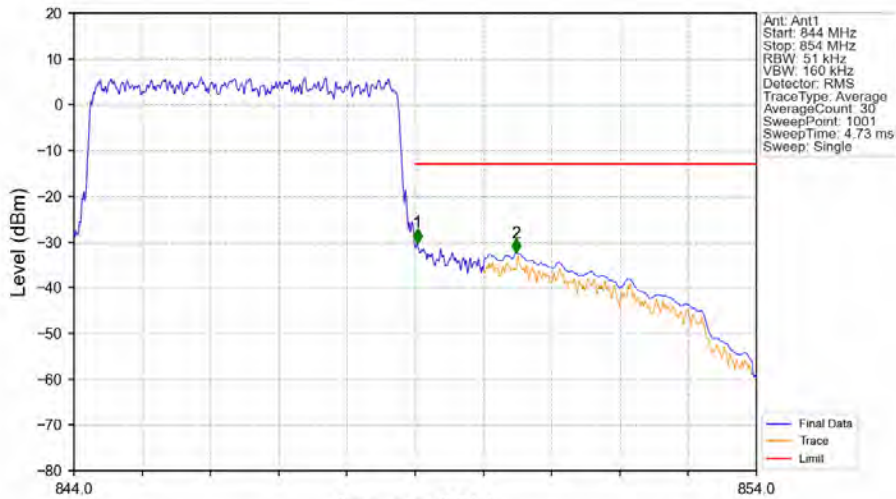
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Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	1	849.030	-30.20	-13	Pass
849	850	0.051	/	2	850.480	-32.41	-13	Pass
850	854	0.1	CHP					



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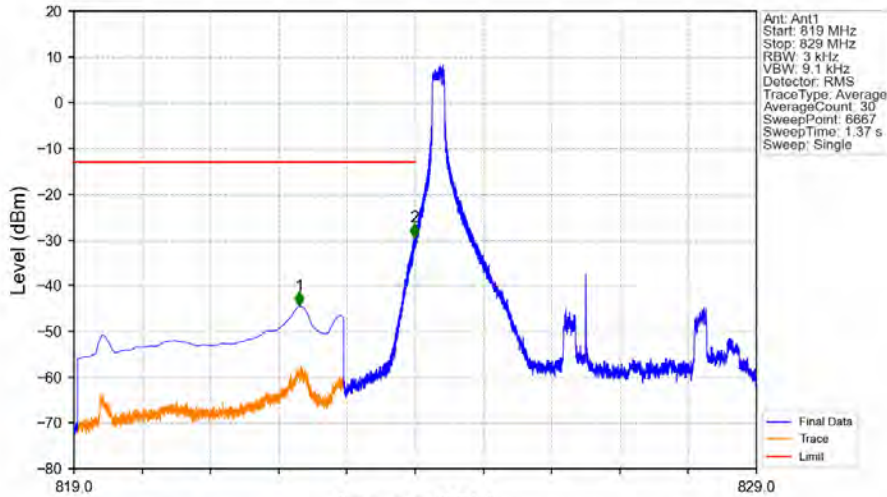
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Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.302	-44.39	-13	Pass
823	824	0.003	/	2	823.986	-29.48	-13	Pass
824	829	0.003	/	/	/	/	/	/



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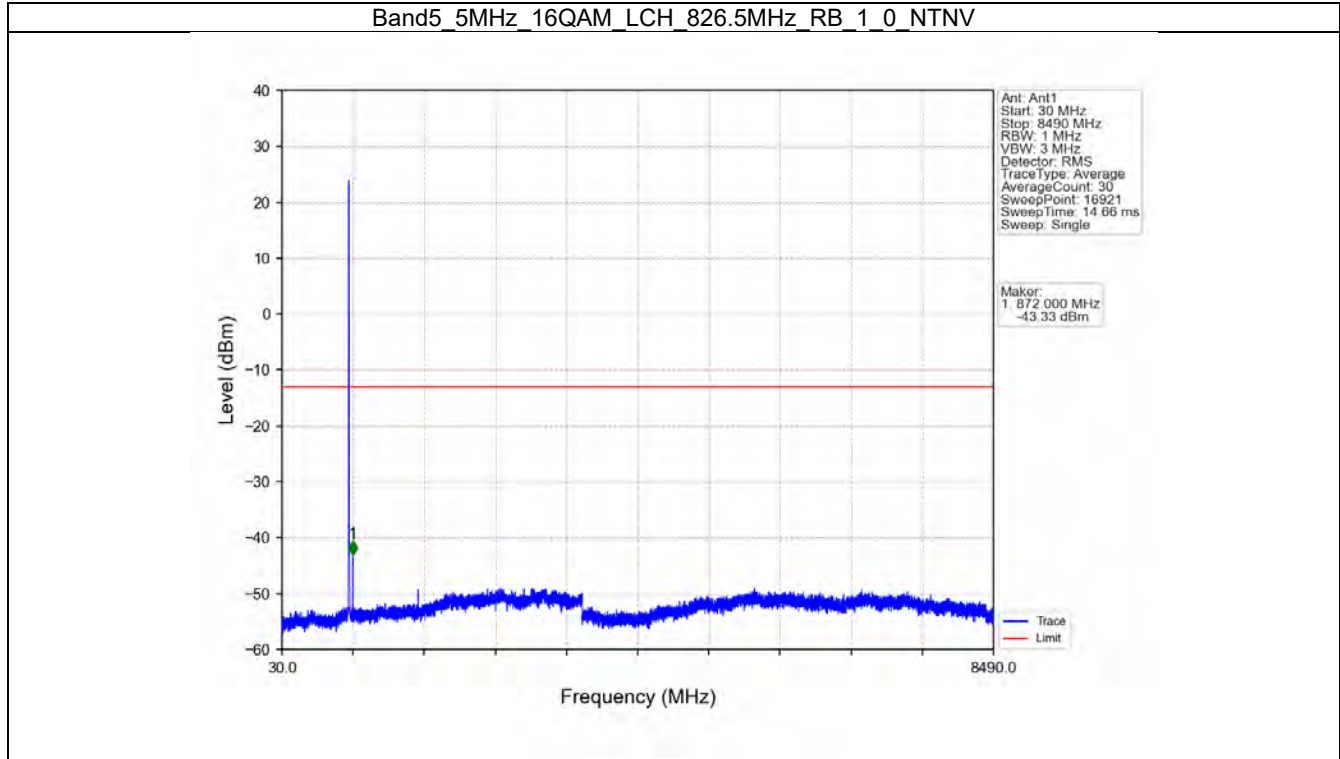
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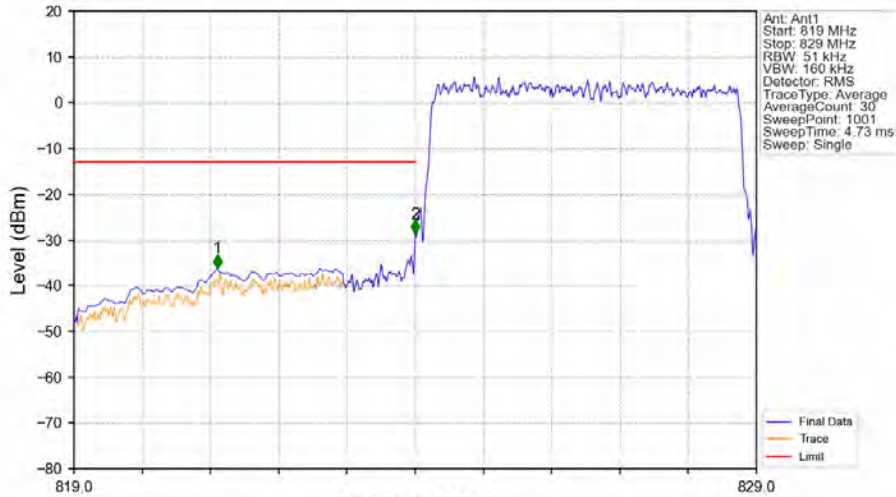
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Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	821.100	-36.20	-13	Pass
823	824	0.051	/	2	824.000	-28.74	-13	Pass
824	829	0.051	/	/	/	/	/	/



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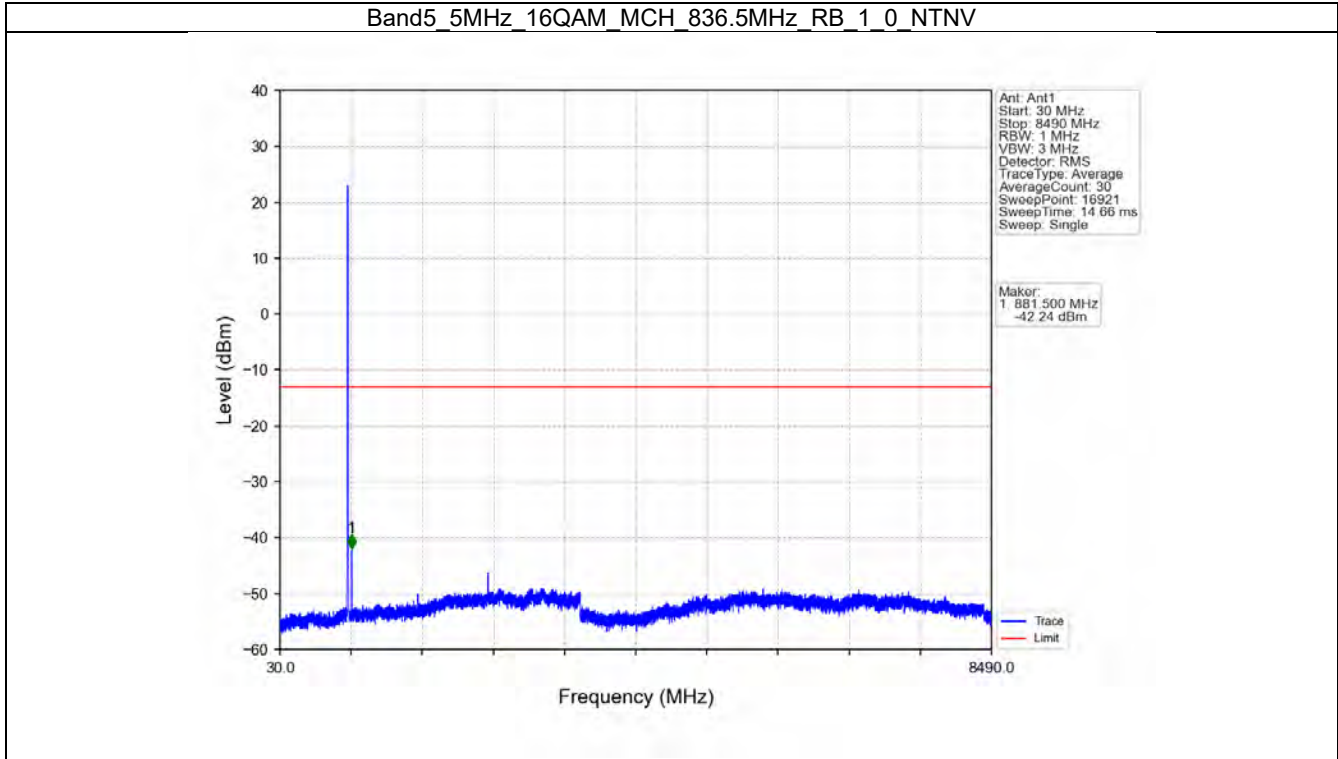
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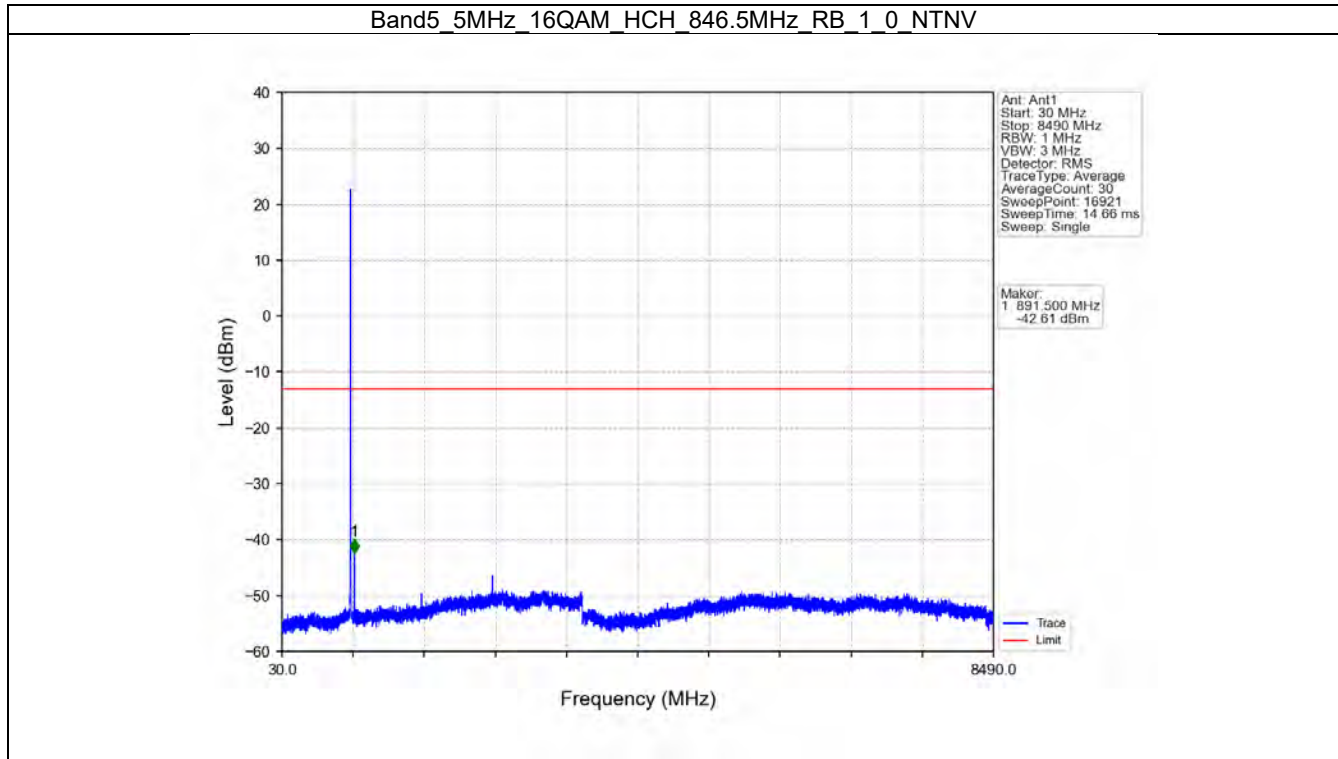


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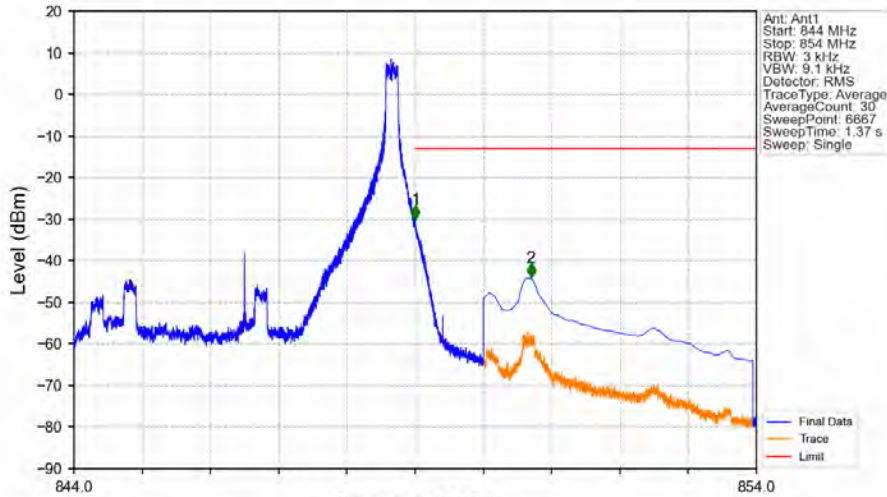
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Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	1	849.001	-30.10	-13	Pass
849	850	0.003	/	2	850.697	-44.08	-13	Pass
850	854	0.1	CHP					



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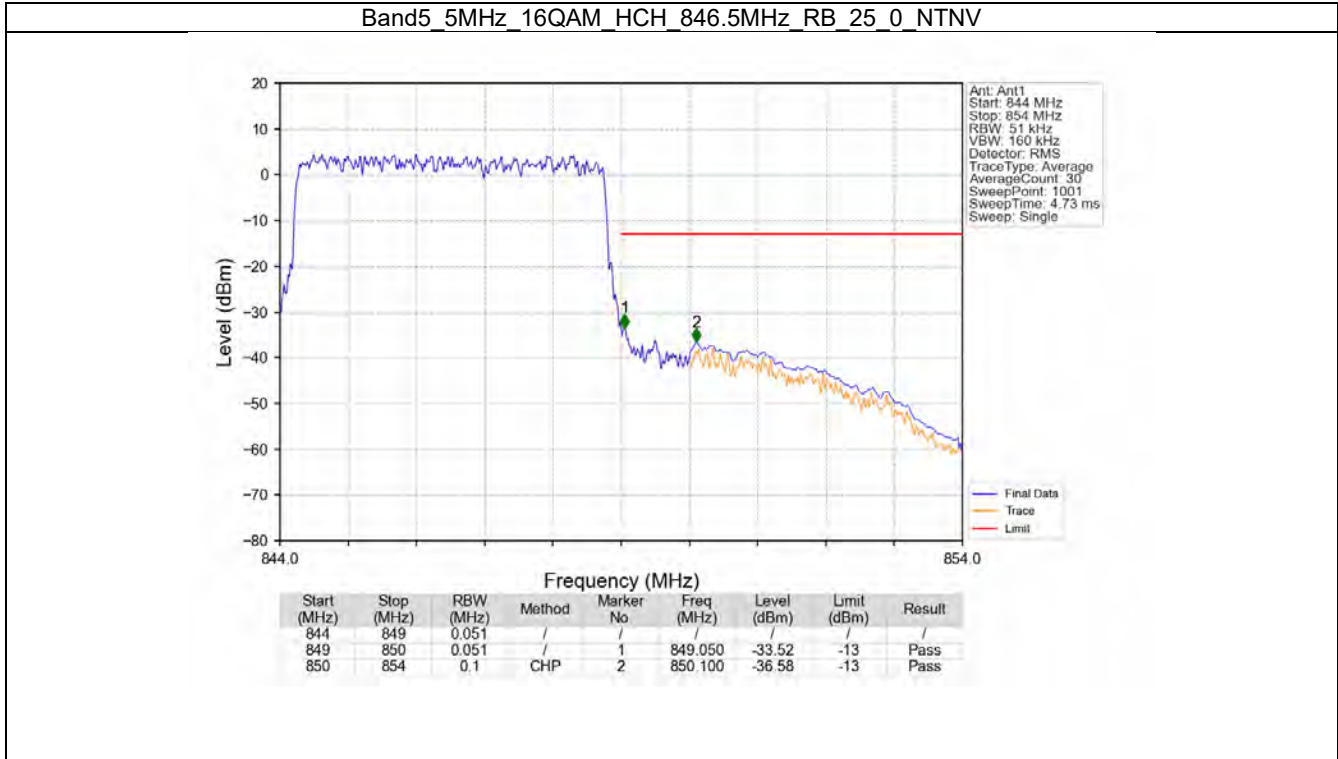
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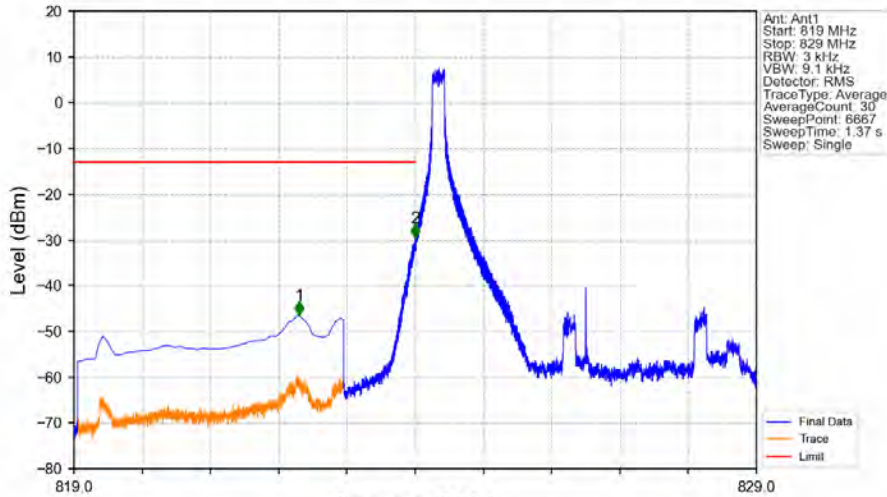
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Band5_5MHz_64QAM_LCH_826.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.300	-46.50	-13	Pass
823	824	0.003	/	2	824.000	-29.63	-13	Pass
824	829	0.003	/	/	/	/	/	/



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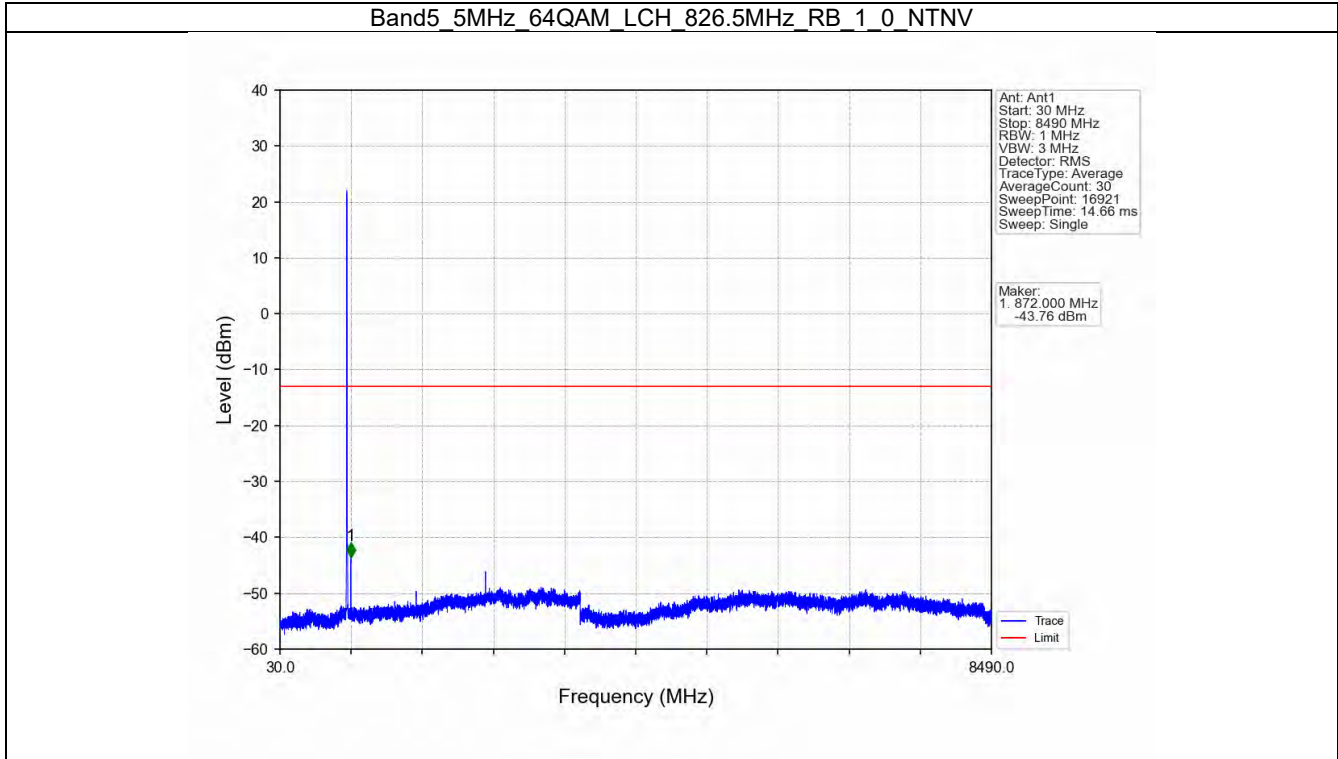
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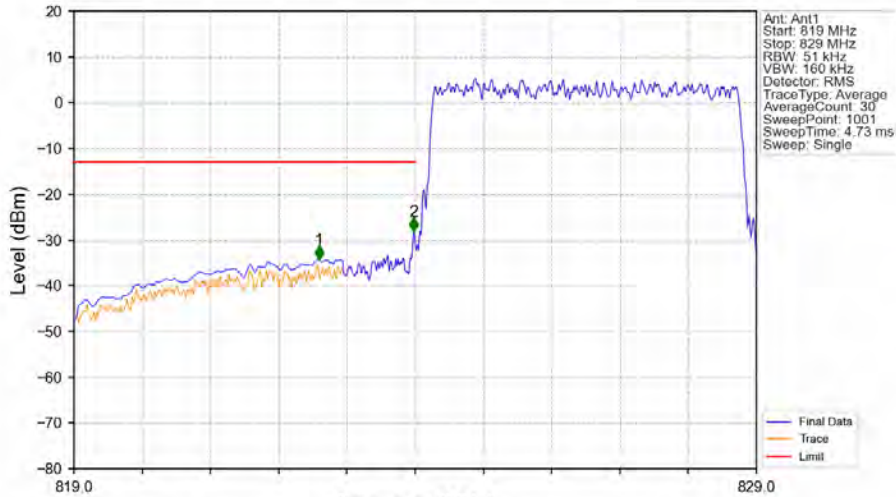
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Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.590	-34.29	-13	Pass
823	824	0.051	/	2	823.980	-28.09	-13	Pass
824	829	0.051	/	/	/	/	/	/



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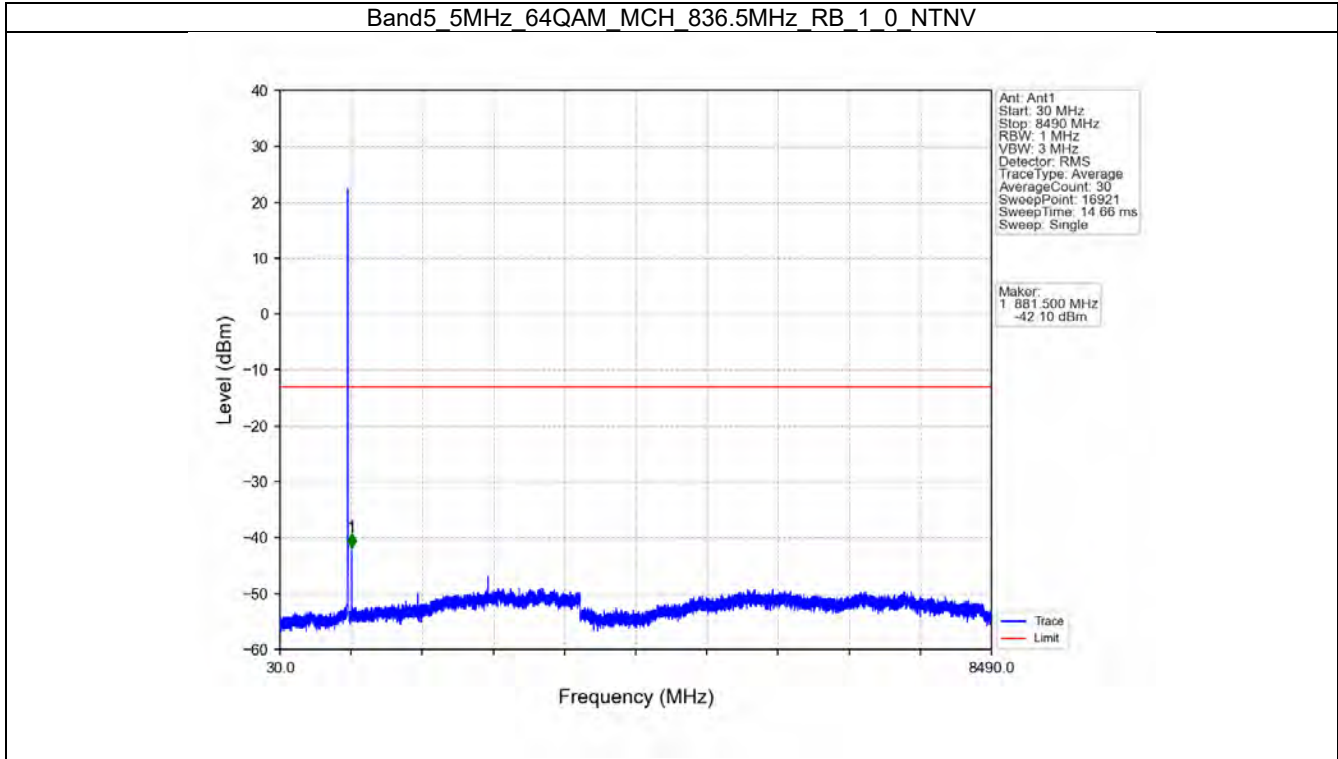
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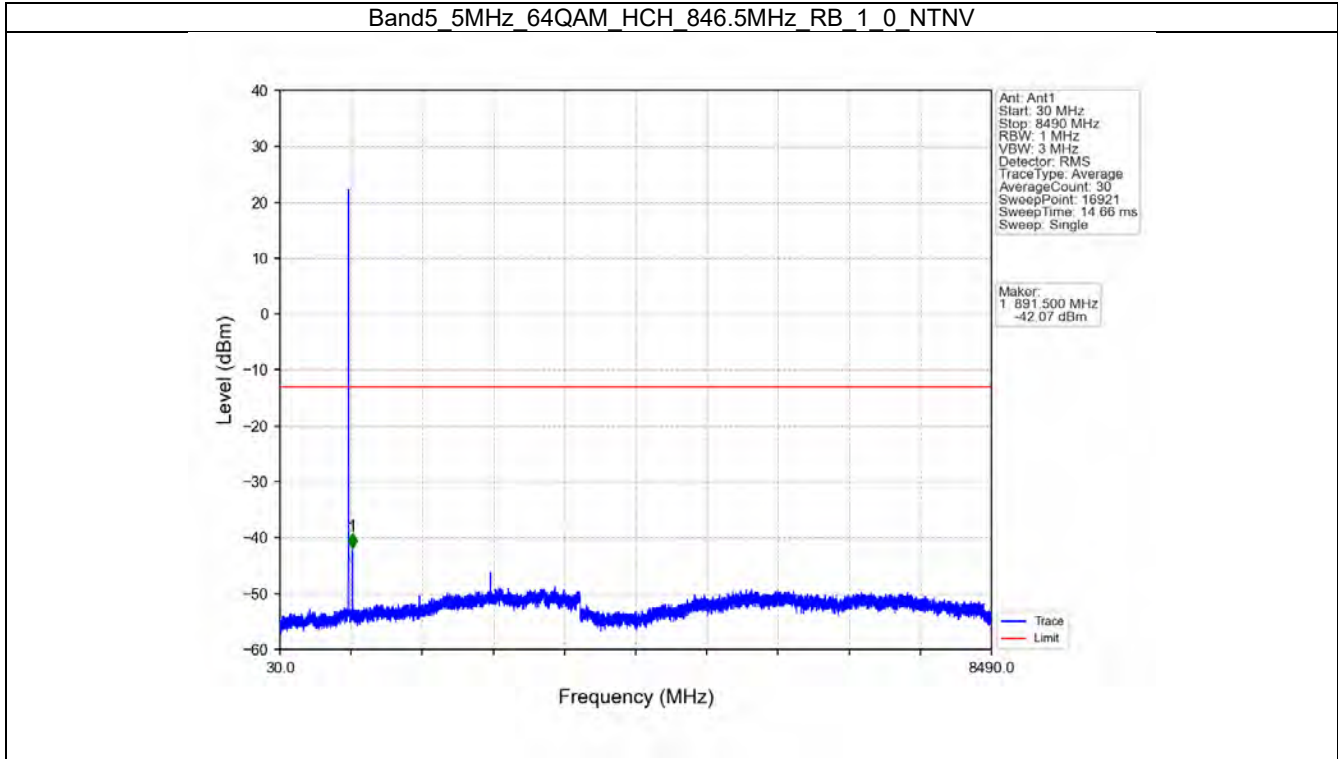
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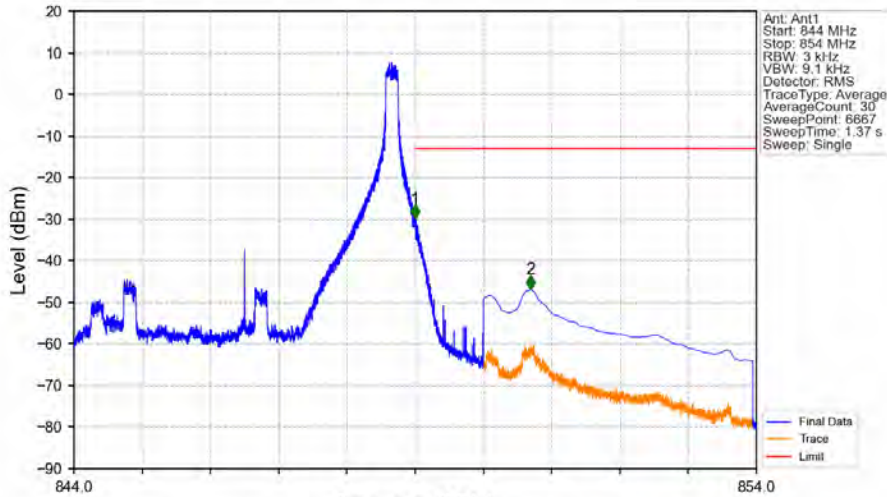
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Band5_5MHz_64QAM_HCH_846.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	1	849.000	-29.89	-13	Pass
849	850	0.003	/	1	849.000	-29.89	-13	Pass
850	854	0.1	CHP	2	850.695	-46.85	-13	Pass



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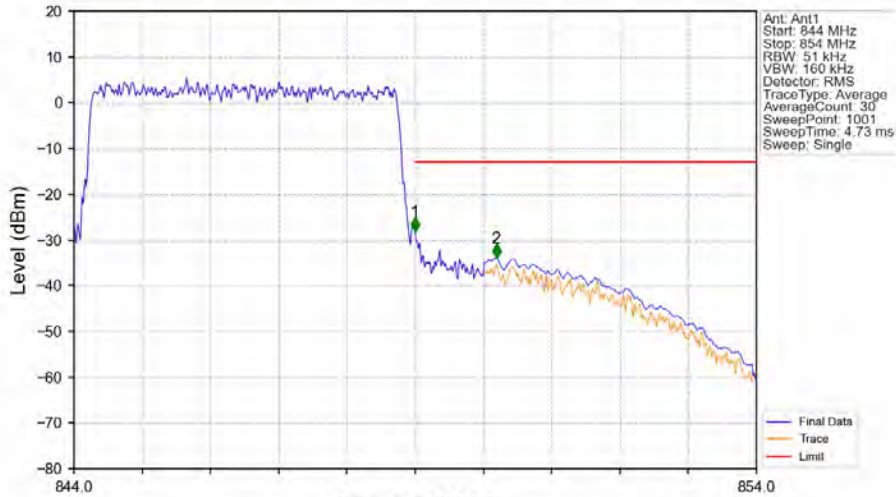
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Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	1	849.000	-28.18	-13	Pass
849	850	0.051	/	2	850.190	-34.01	-13	Pass
850	854	0.1	CHP					



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5.4 B5_10MHz

5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	836.5	1	0	Refer To Test Graph	Pass	
		844	1	0	Refer To Test Graph	Pass
			49	0	Refer To Test Graph	Pass
16QAM	829	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	836.5	1	0	Refer To Test Graph	Pass	
		844	1	0	Refer To Test Graph	Pass
			49	0	Refer To Test Graph	Pass
64QAM	829	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	836.5	1	0	Refer To Test Graph	Pass	
		844	1	0	Refer To Test Graph	Pass
			49	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass	



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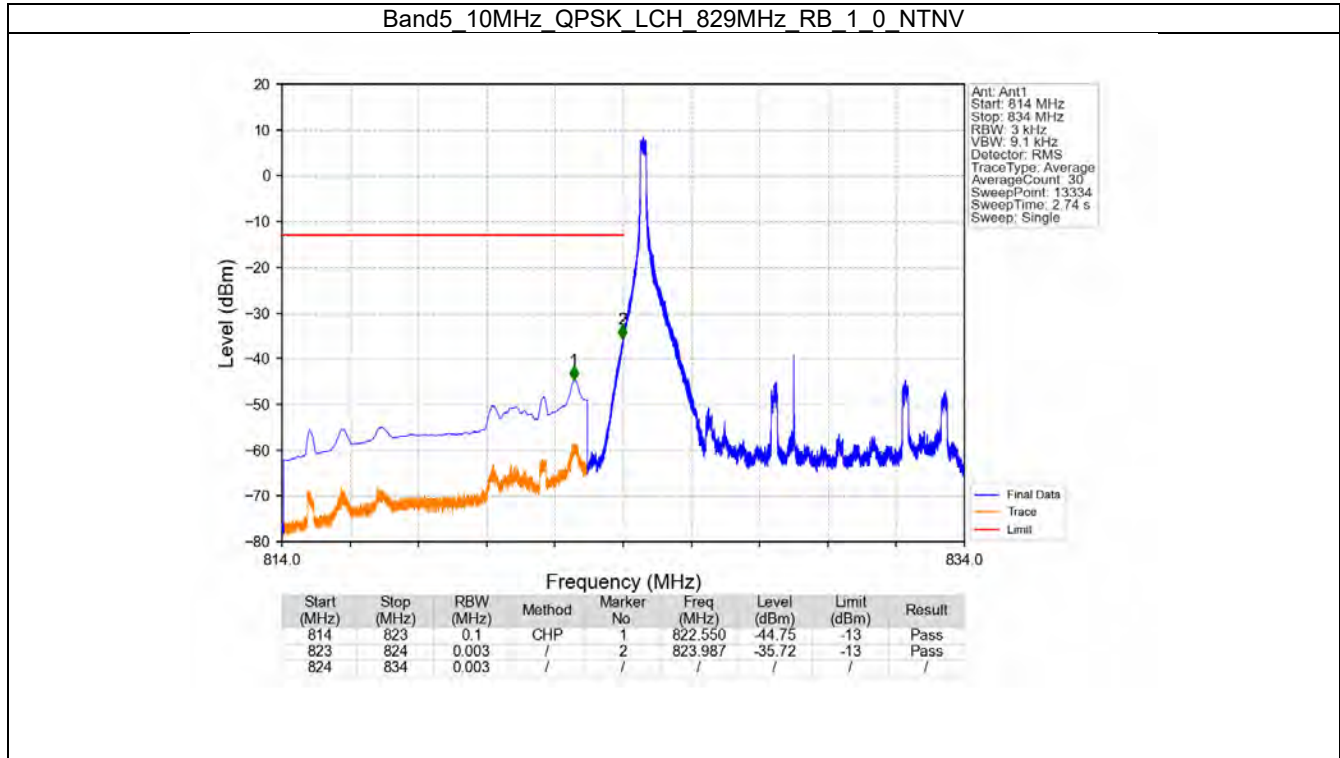
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5.4.2 Test Graph



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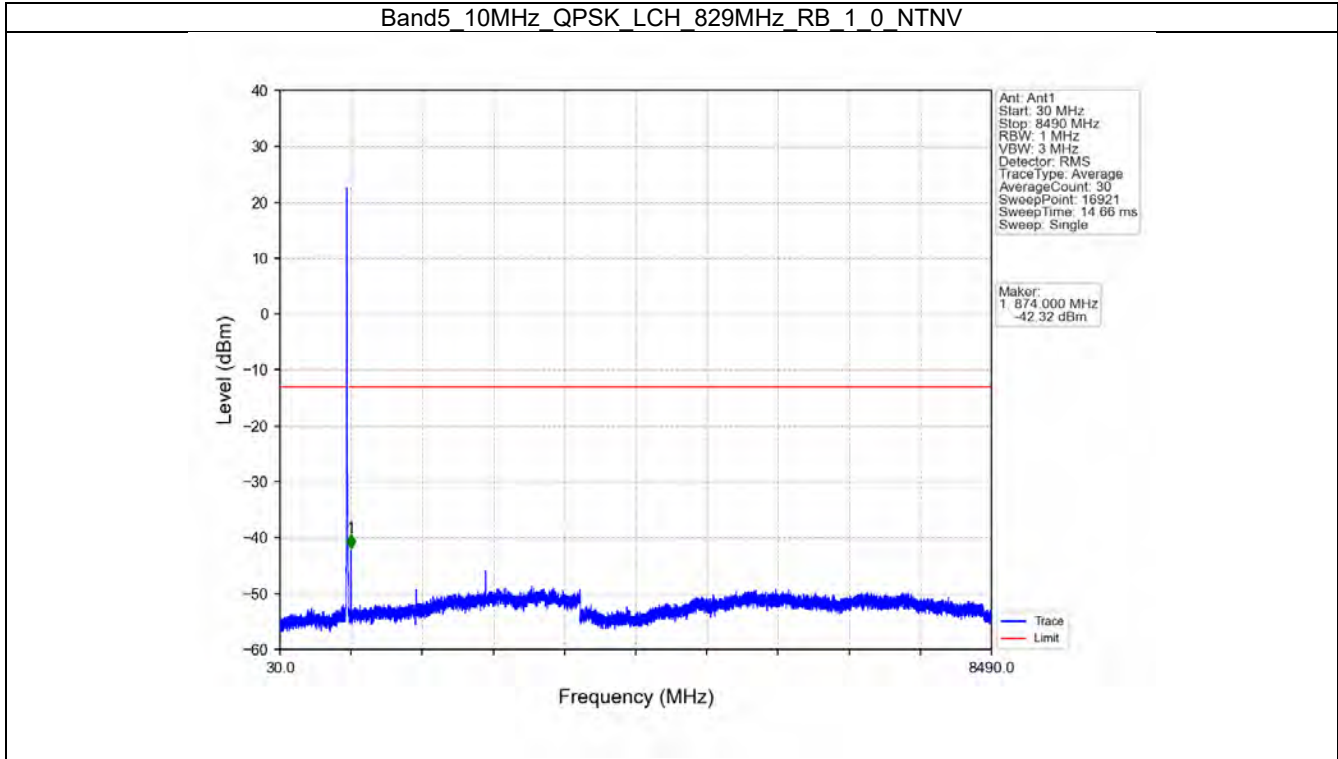
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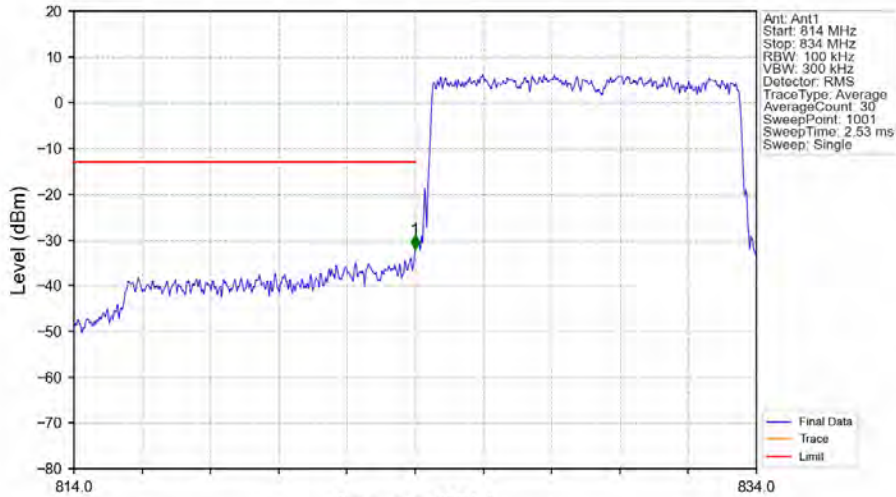
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Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	824.000	-32.04	-13	Pass
824	834	0.1	/	/	/	/	/	/



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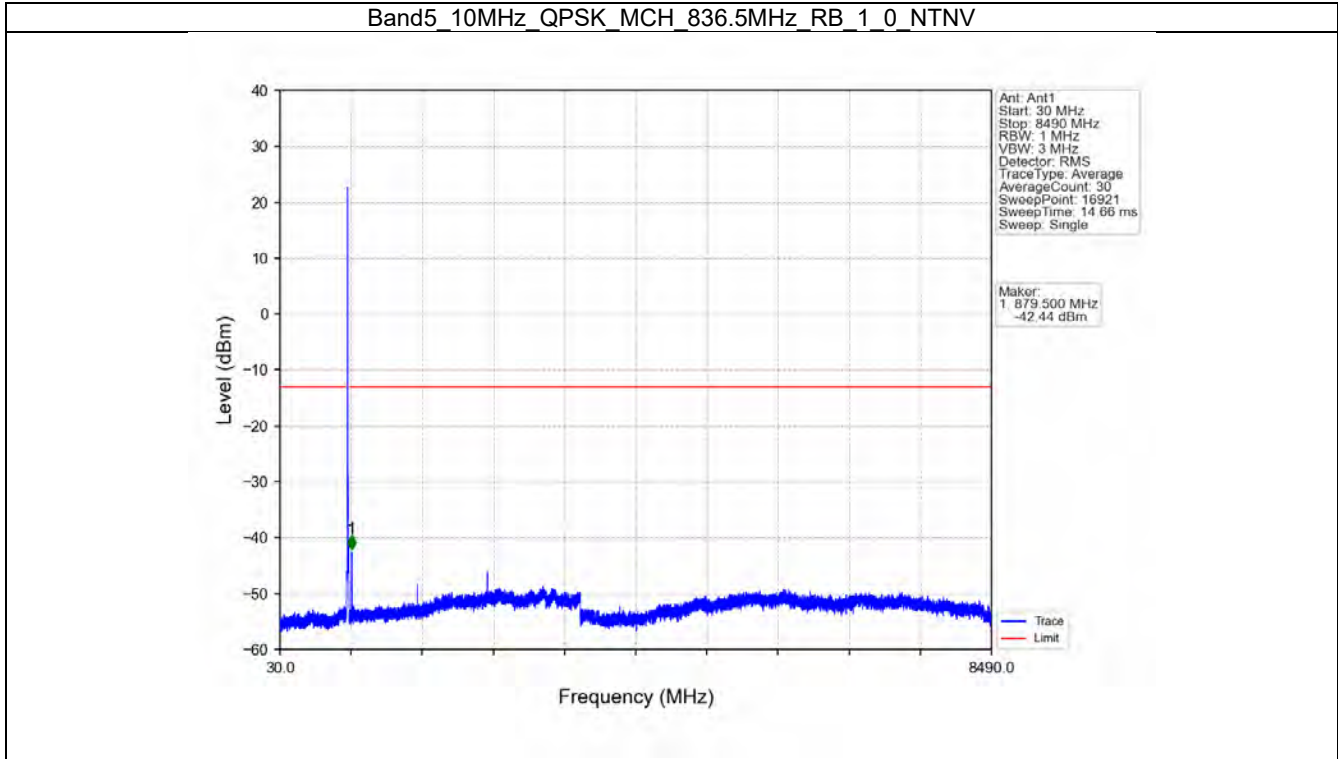
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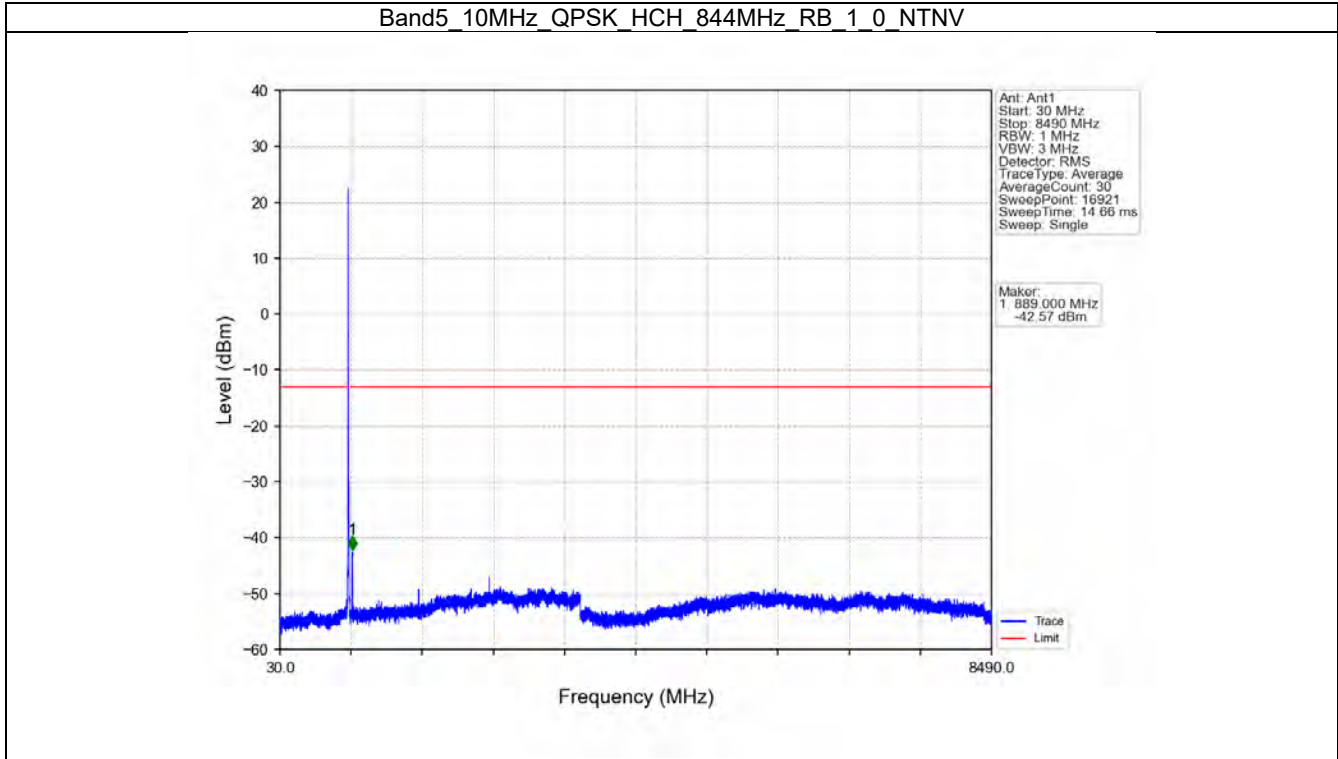
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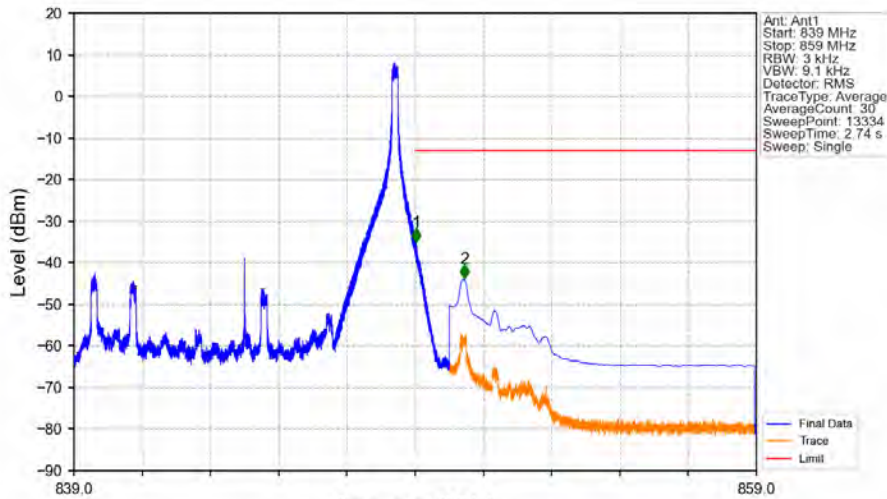
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Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	1	849.028	-35.17	-13	Pass
849	850	0.003	/	2	850.447	-43.88	-13	Pass
850	859	0.1	CHP					



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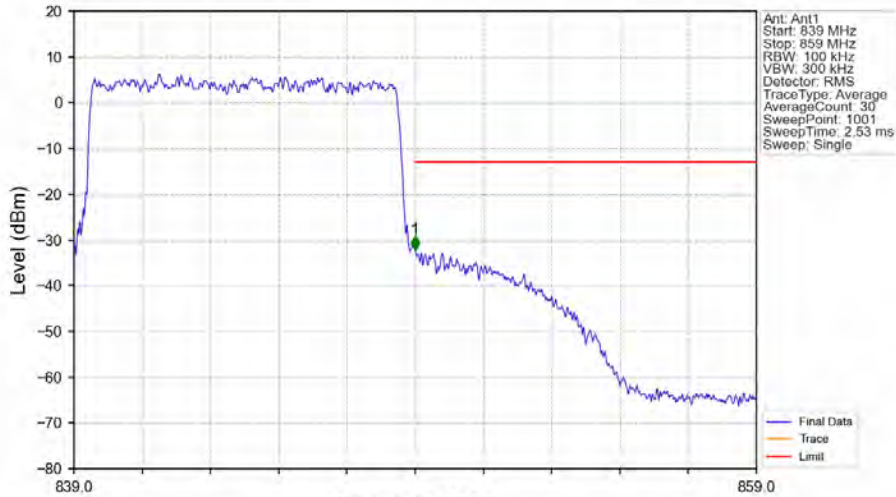
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Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	859	0.1	/	1	849.000	-32.11	-13	Pass



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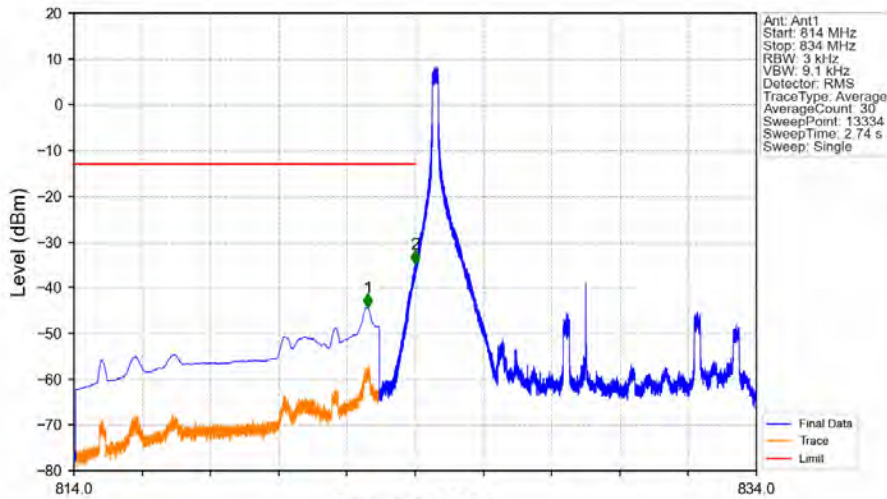
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Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.610	-44.38	-13	Pass
823	824	0.003	/	2	823.998	-34.93	-13	Pass
824	834	0.003	/	/	/	/	/	/



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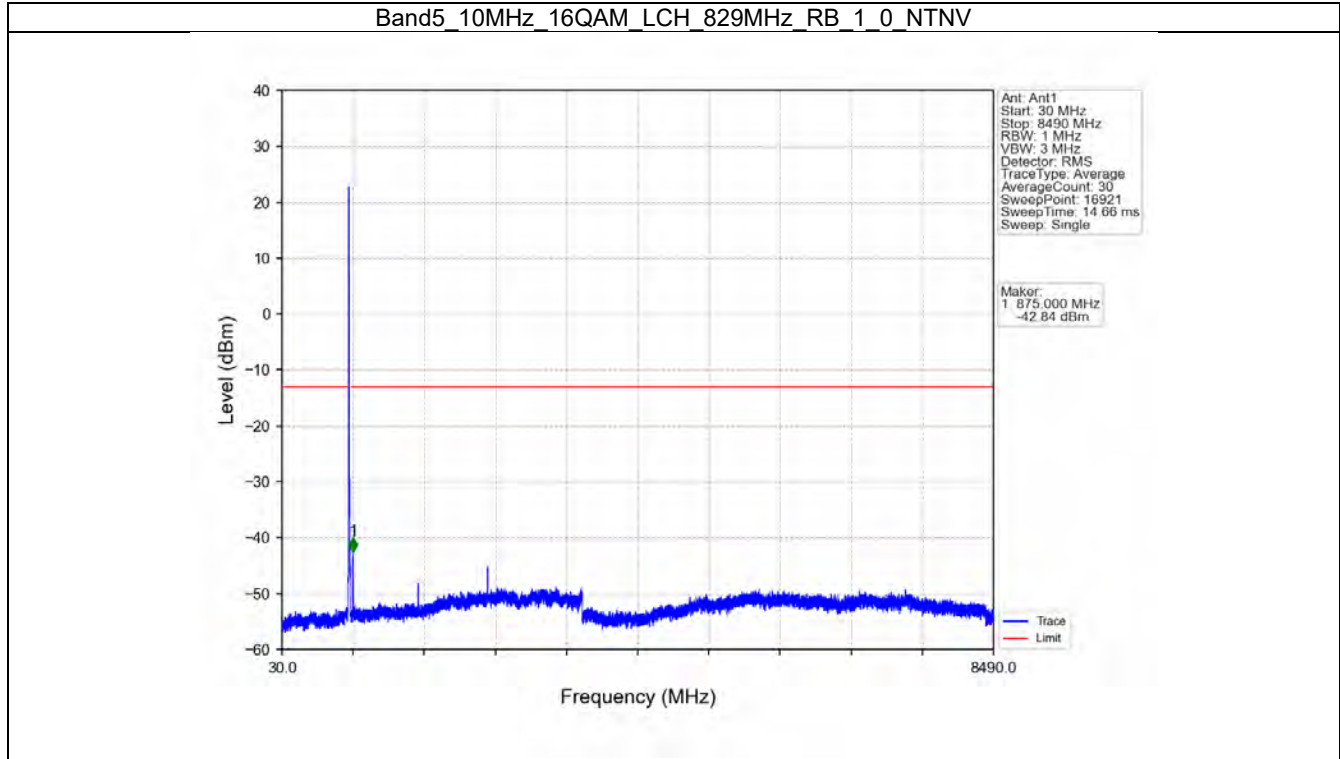
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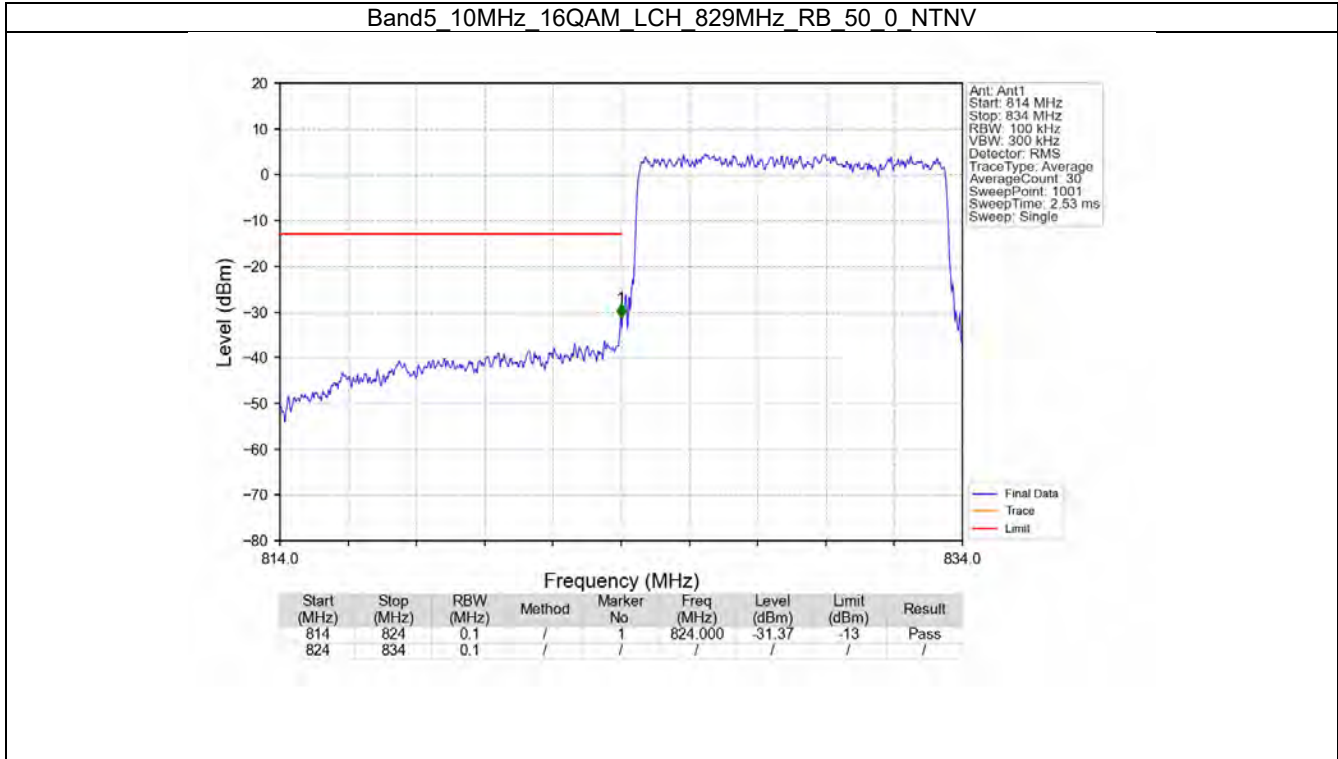
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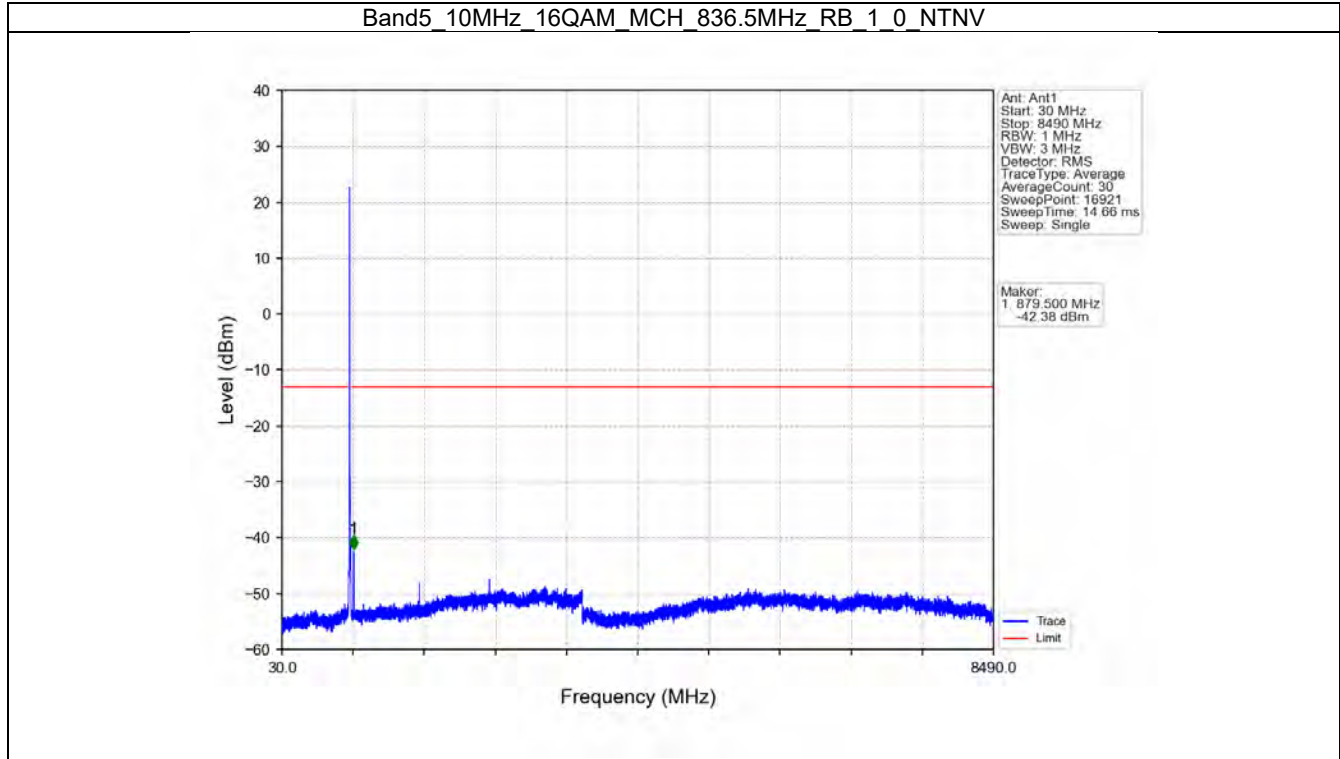
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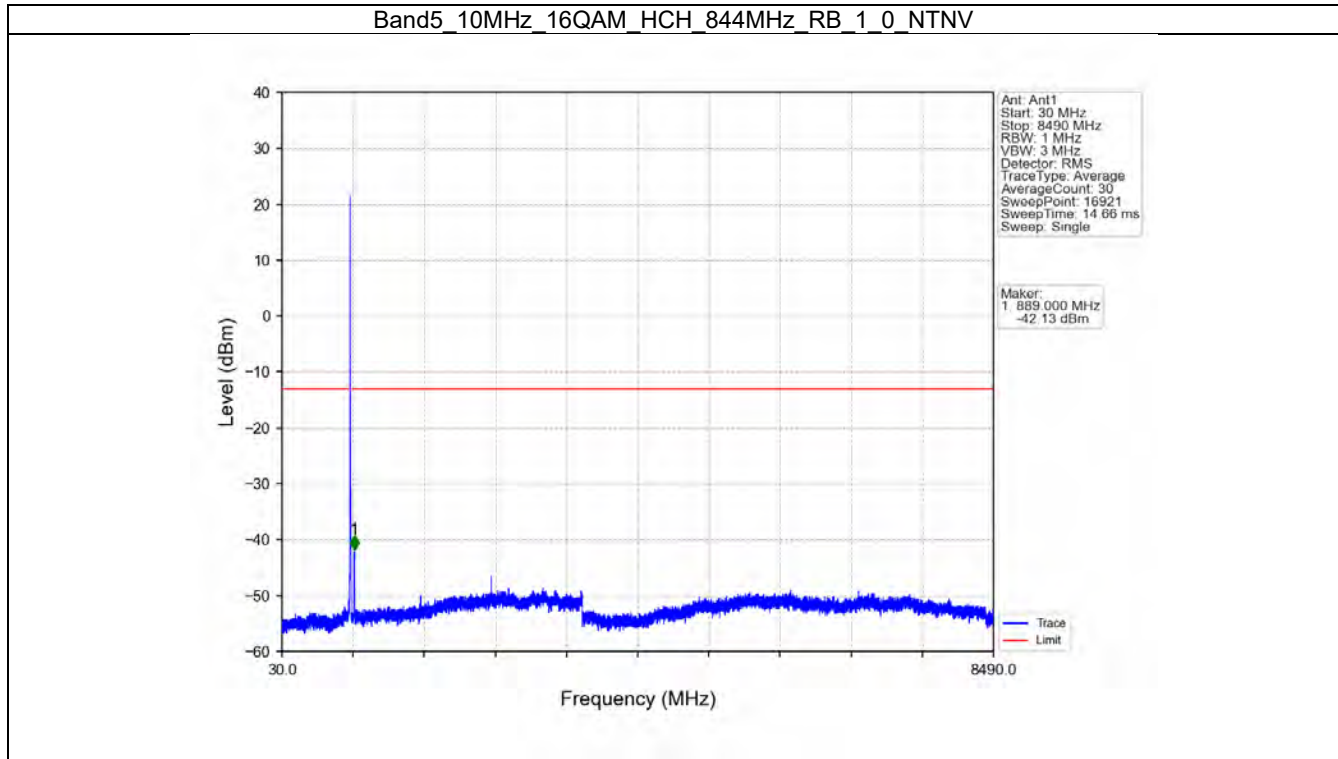


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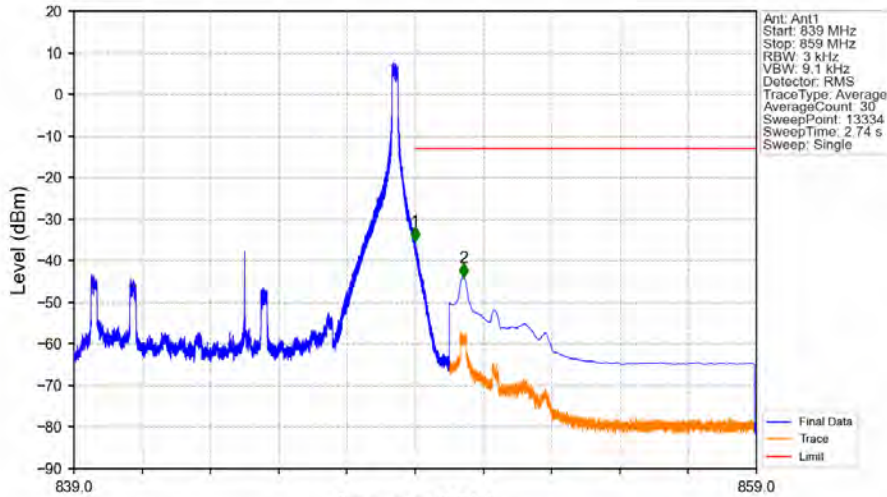
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Band5_10MHz_16QAM_HCH_844MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	1	849.001	-35.30	-13	Pass
849	850	0.003	/	2	850.427	-44.08	-13	Pass
850	859	0.1	CHP					



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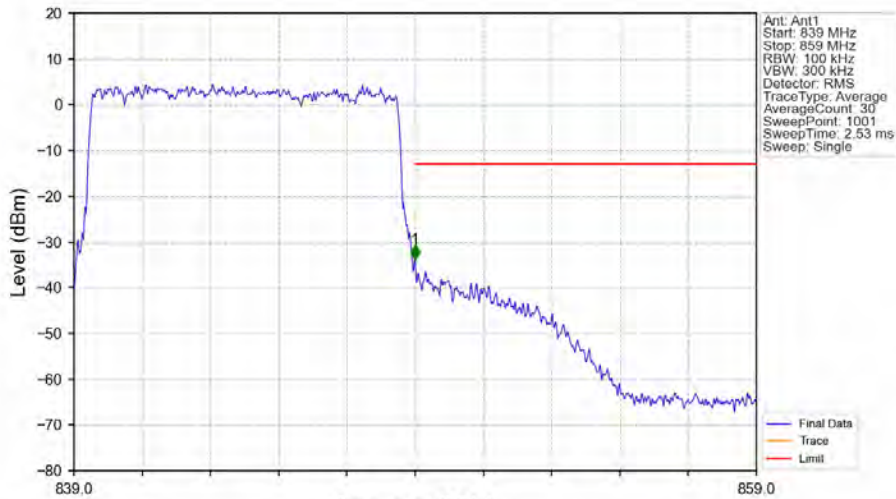
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Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	859	0.1	/	1	849.000	-33.86	-13	Pass



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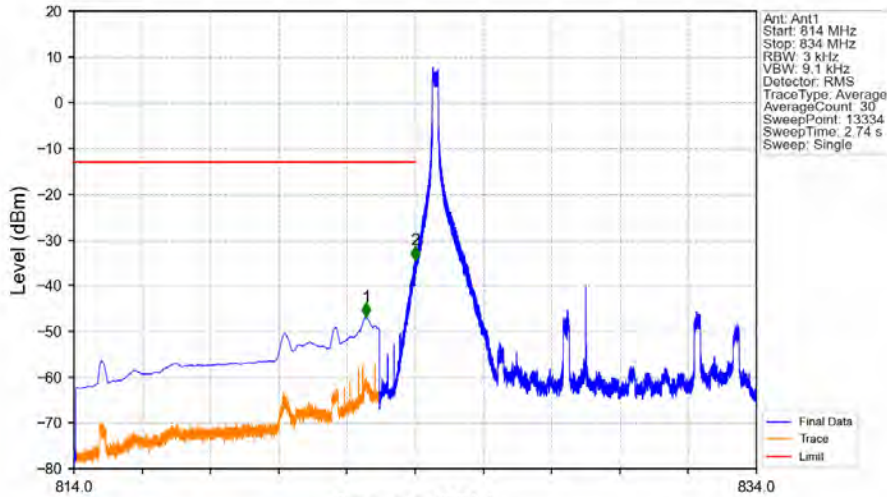
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Band5_10MHz_64QAM_LCH_829MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.564	-46.83	-13	Pass
823	824	0.003	/	2	823.999	-34.42	-13	Pass
824	834	0.003	/	/	/	/	/	/



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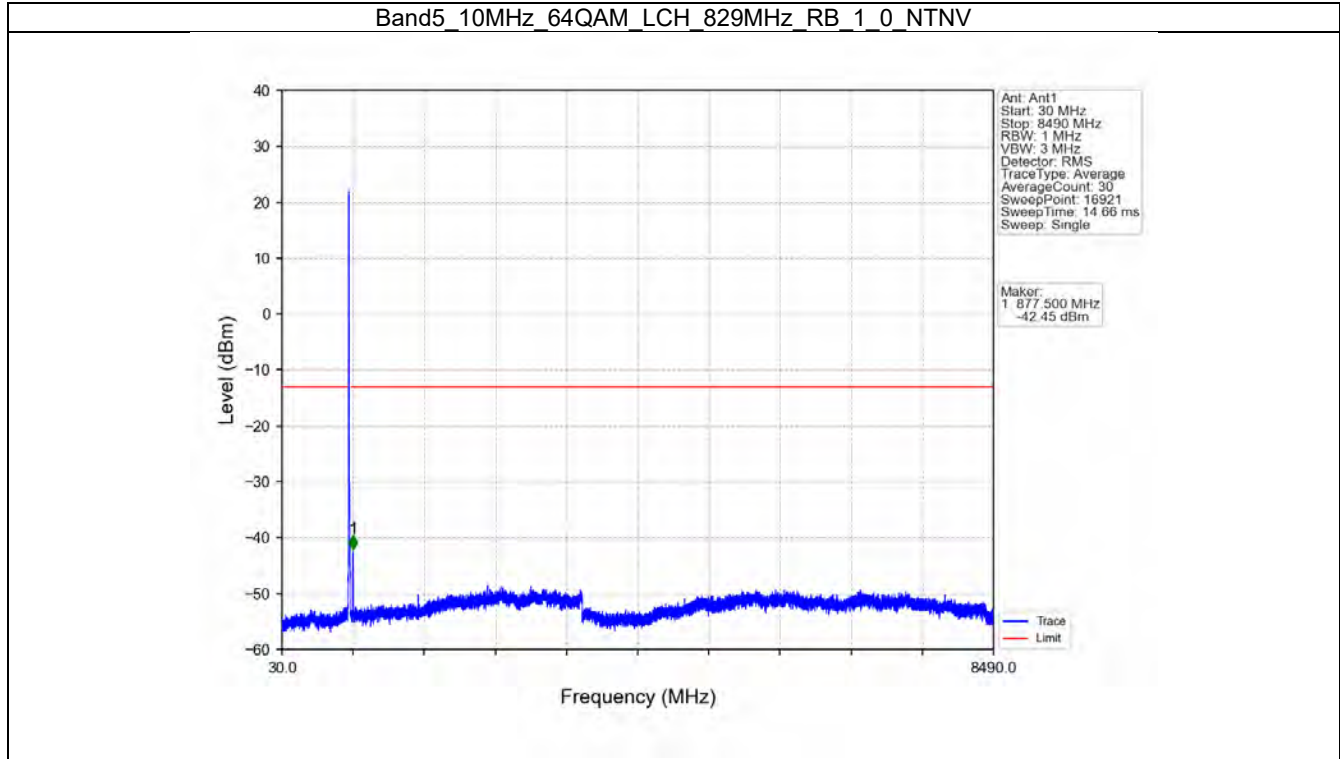
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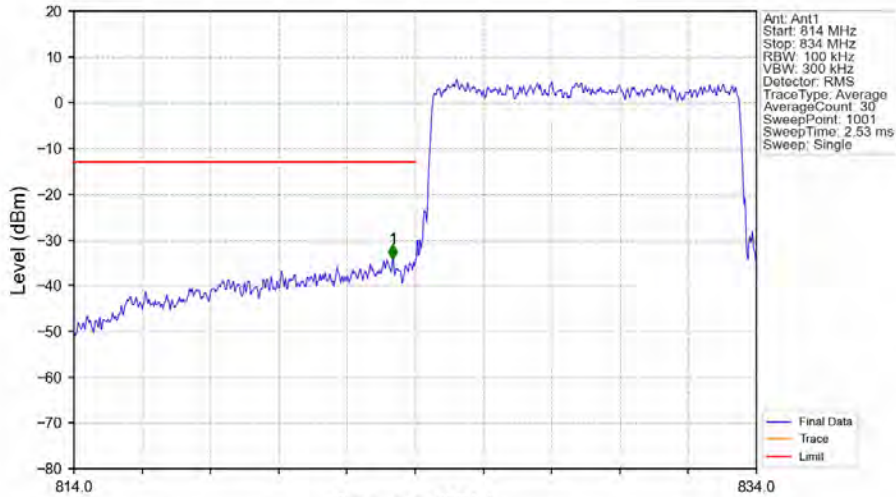
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Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	823.340	-34.14	-13	Pass
824	834	0.1	/	/	/	/	/	/



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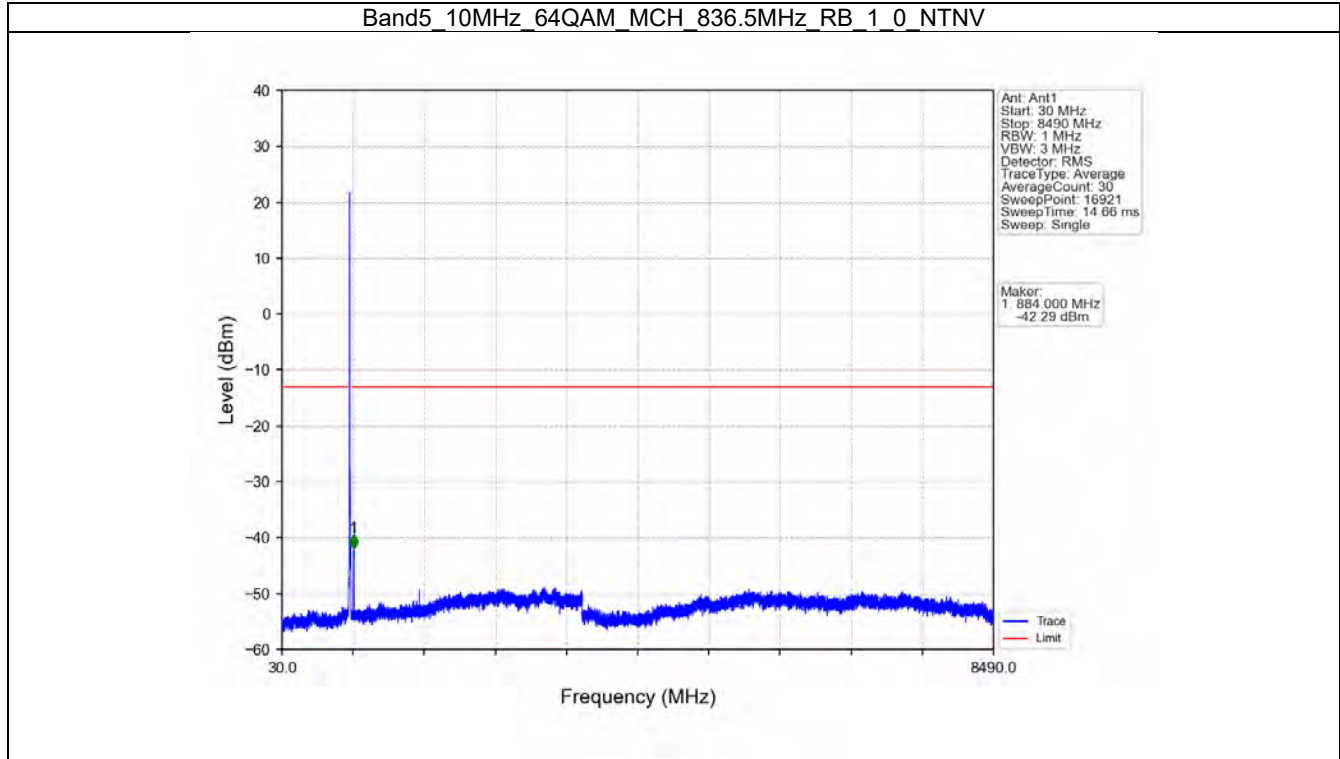
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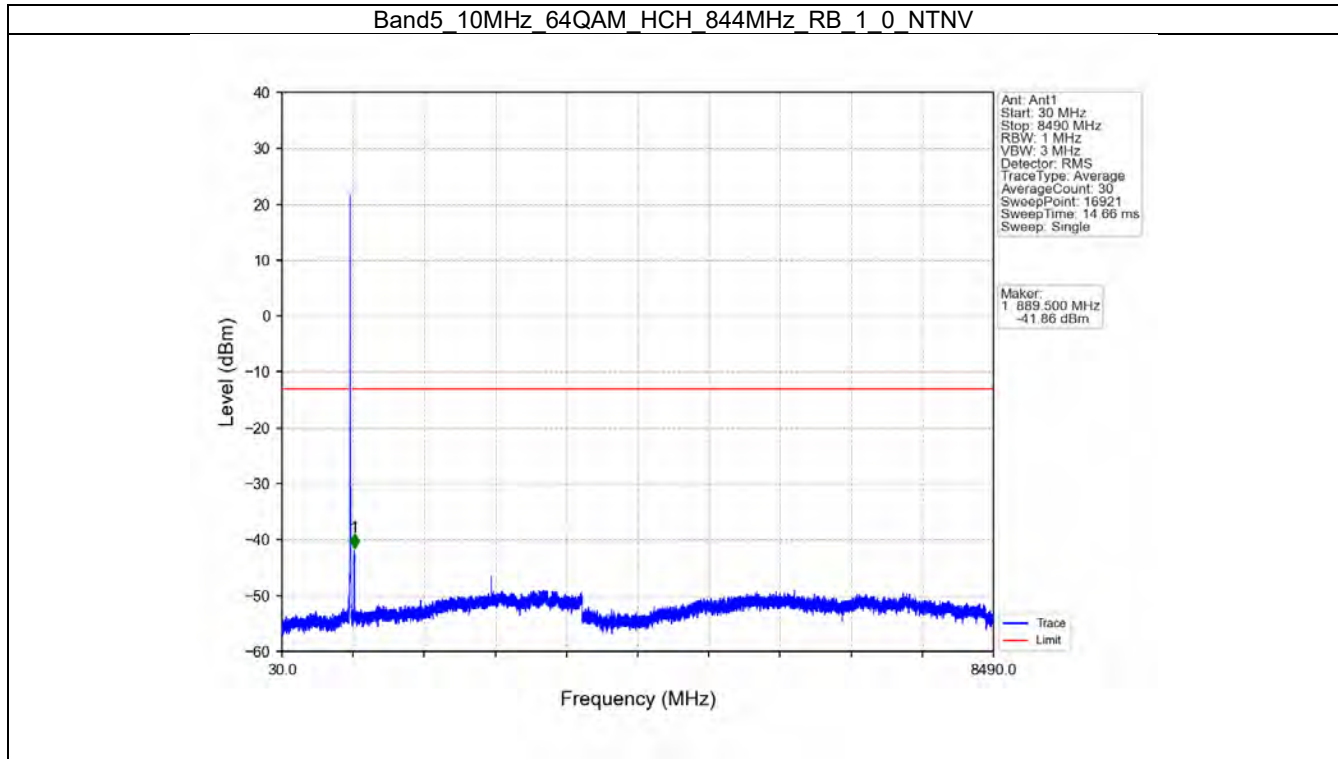


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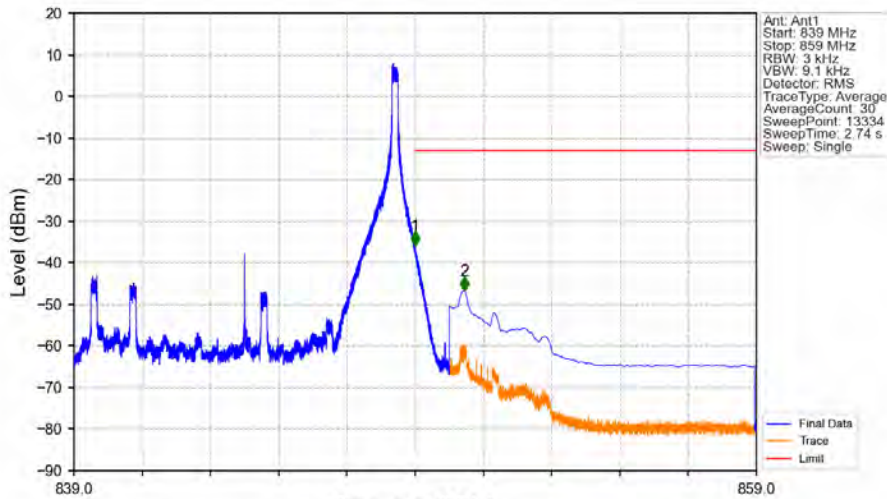
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Band5_10MHz_64QAM_HCH_844MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	1	849.001	-35.94	-13	Pass
849	850	0.003	/	2	850.435	-46.70	-13	Pass
850	859	0.1	CHP					



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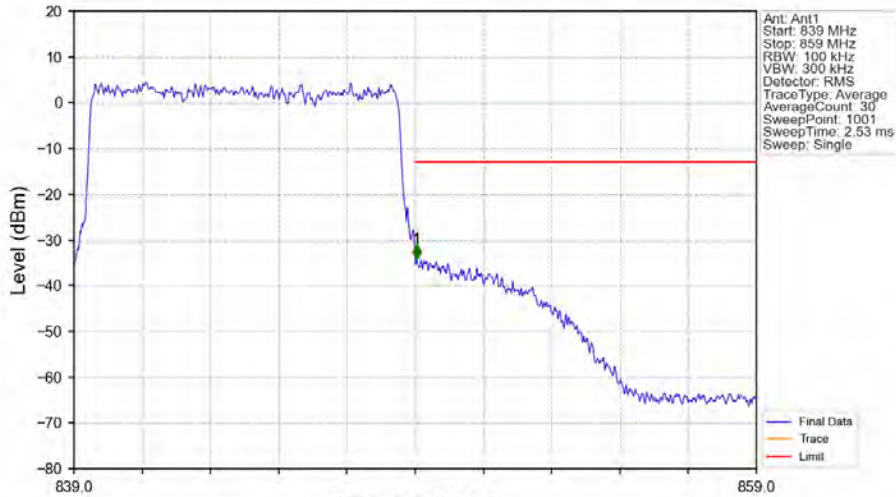
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Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	859	0.1	/	1	849.040	-34.20	-13	Pass



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6. Field Strength of Spurious Radiation

Test Band = B5 ANT0_TM1

Test Channel = low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.0000	49.22	24.90	-48.85	-69.99	-13.00	56.99	Horizontal
2	2473.5000	46.83	27.34	-47.88	-68.97	-13.00	55.97	Horizontal
3	3298.0000	44.25	28.66	-47.15	-69.50	-13.00	56.50	Horizontal
4	4122.5000	43.89	29.67	-47.50	-69.20	-13.00	56.20	Horizontal
5	4947.0000	44.15	31.27	-46.98	-66.82	-13.00	53.82	Horizontal
6	5771.5000	44.30	32.49	-46.96	-65.43	-13.00	52.43	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.0000	50.02	24.90	-48.85	-69.19	-13.00	56.19	Vertical
2	2473.5000	44.07	27.34	-47.88	-71.73	-13.00	58.73	Vertical
3	3298.0000	44.21	28.66	-47.15	-69.54	-13.00	56.54	Vertical
4	4122.5000	44.11	29.67	-47.50	-68.98	-13.00	55.98	Vertical
5	4947.0000	44.27	31.27	-46.98	-66.70	-13.00	53.70	Vertical
6	5771.5000	43.75	32.49	-46.96	-65.98	-13.00	52.98	Vertical



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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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Test Band = B5 ANT0_ TM1
Test Channel = mid

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.0000	45.53	24.93	-48.82	-73.62	-13.00	60.62	Horizontal
2	2496.0000	44.86	27.39	-47.78	-70.79	-13.00	57.79	Horizontal
3	3328.0000	44.02	28.67	-47.21	-69.78	-13.00	56.78	Horizontal
4	4160.0000	43.75	29.72	-47.32	-69.11	-13.00	56.11	Horizontal
5	4992.0000	44.14	31.38	-46.95	-66.69	-13.00	53.69	Horizontal
6	5824.0000	43.32	32.47	-46.80	-66.27	-13.00	53.27	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664.0000	45.79	24.93	-48.82	-73.36	-13.00	60.36	Vertical
2	2496.0000	44.41	27.39	-47.78	-71.24	-13.00	58.24	Vertical
3	3328.0000	43.89	28.67	-47.21	-69.91	-13.00	56.91	Vertical
4	4160.0000	43.82	29.72	-47.32	-69.04	-13.00	56.04	Vertical
5	4992.0000	44.11	31.38	-46.95	-66.72	-13.00	53.72	Vertical
6	5824.0000	44.05	32.47	-46.80	-65.54	-13.00	52.54	Vertical



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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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Test Band = B5 ANT0_ TM1
Test Channel = high

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.0000	45.55	24.96	-48.80	-73.55	-13.00	60.55	Horizontal
2	2518.5000	45.29	27.44	-47.82	-70.35	-13.00	57.35	Horizontal
3	3358.0000	44.89	28.67	-47.27	-68.97	-13.00	55.97	Horizontal
4	4197.5000	44.07	29.78	-47.13	-68.54	-13.00	55.54	Horizontal
5	5037.0000	43.76	31.49	-46.99	-67.00	-13.00	54.00	Horizontal
6	5876.5000	43.58	32.45	-46.36	-65.59	-13.00	52.59	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679.0000	45.62	24.96	-48.80	-73.48	-13.00	60.48	Vertical
2	2518.5000	45.37	27.44	-47.82	-70.27	-13.00	57.27	Vertical
3	3358.0000	44.64	28.67	-47.27	-69.22	-13.00	56.22	Vertical
4	4197.5000	43.68	29.78	-47.13	-68.93	-13.00	55.93	Vertical
5	5037.0000	44.19	31.49	-46.99	-66.57	-13.00	53.57	Vertical
6	5876.5000	43.43	32.45	-46.36	-65.74	-13.00	52.74	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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