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Appendix B.3

LTE Band 5



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1. Effective (Isotropic) Radiated Power Output Data

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	23.06	1.32	22.23	<=38.45	Pass	
			2	23.08	1.32	22.25	<=38.45	Pass	
			5	23.10	1.32	22.27	<=38.45	Pass	
		3	0	23.09	1.32	22.26	<=38.45	Pass	
			2	23.11	1.32	22.28	<=38.45	Pass	
			3	23.09	1.32	22.26	<=38.45	Pass	
	6	0	22.12	1.32	21.29	<=38.45	Pass		
	836.5	1	0	23.01	1.32	22.18	<=38.45	Pass	
			2	23.06	1.32	22.23	<=38.45	Pass	
			5	22.99	1.32	22.16	<=38.45	Pass	
		3	0	22.99	1.32	22.16	<=38.45	Pass	
			2	23.02	1.32	22.19	<=38.45	Pass	
			3	23.03	1.32	22.20	<=38.45	Pass	
	6	0	21.96	1.32	21.13	<=38.45	Pass		
	848.3	1	0	22.94	1.32	22.11	<=38.45	Pass	
			2	22.96	1.32	22.13	<=38.45	Pass	
			5	22.90	1.32	22.07	<=38.45	Pass	
		3	0	22.92	1.32	22.09	<=38.45	Pass	
			2	22.94	1.32	22.11	<=38.45	Pass	
			3	22.90	1.32	22.07	<=38.45	Pass	
	6	0	21.95	1.32	21.12	<=38.45	Pass		
	16QAM	824.7	1	0	22.26	1.32	21.43	<=38.45	Pass
				2	22.26	1.32	21.43	<=38.45	Pass
				5	22.22	1.32	21.39	<=38.45	Pass
3			0	22.21	1.32	21.38	<=38.45	Pass	
			2	22.17	1.32	21.34	<=38.45	Pass	
			3	22.20	1.32	21.37	<=38.45	Pass	
6		0	21.19	1.32	20.36	<=38.45	Pass		
836.5		1	0	22.14	1.32	21.31	<=38.45	Pass	
			2	22.27	1.32	21.44	<=38.45	Pass	
			5	22.22	1.32	21.39	<=38.45	Pass	
		3	0	22.12	1.32	21.29	<=38.45	Pass	
			2	22.07	1.32	21.24	<=38.45	Pass	
			3	22.07	1.32	21.24	<=38.45	Pass	
6		0	21.03	1.32	20.20	<=38.45	Pass		
848.3		1	0	22.10	1.32	21.27	<=38.45	Pass	
			2	22.05	1.32	21.22	<=38.45	Pass	



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64QAM	824.7	3	5	22.09	1.32	21.26	<=38.45	Pass	
			0	22.02	1.32	21.19	<=38.45	Pass	
			2	22.00	1.32	21.17	<=38.45	Pass	
		6	3	3	22.04	1.32	21.21	<=38.45	Pass
				0	20.98	1.32	20.15	<=38.45	Pass
				1	0	21.20	1.32	20.37	<=38.45
	836.5	1	2	21.23	1.32	20.40	<=38.45	Pass	
			5	21.21	1.32	20.38	<=38.45	Pass	
			0	21.22	1.32	20.39	<=38.45	Pass	
		3	2	21.19	1.32	20.36	<=38.45	Pass	
			3	21.21	1.32	20.38	<=38.45	Pass	
			0	20.18	1.32	19.35	<=38.45	Pass	
	848.3	1	0	21.17	1.32	20.34	<=38.45	Pass	
			2	21.24	1.32	20.41	<=38.45	Pass	
			5	21.25	1.32	20.42	<=38.45	Pass	
		3	0	21.05	1.32	20.22	<=38.45	Pass	
			2	21.07	1.32	20.24	<=38.45	Pass	
			3	21.14	1.32	20.31	<=38.45	Pass	
	848.3	1	0	21.13	1.32	20.30	<=38.45	Pass	
			2	21.21	1.32	20.38	<=38.45	Pass	
			5	21.16	1.32	20.33	<=38.45	Pass	
		3	0	21.02	1.32	20.19	<=38.45	Pass	
			2	20.99	1.32	20.16	<=38.45	Pass	
			3	20.97	1.32	20.14	<=38.45	Pass	
6	0	20.00	1.32	19.17	<=38.45	Pass			

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B5_3MHz_ERP

1.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	23.11	1.32	22.28	<=38.45	Pass
			7	23.19	1.32	22.36	<=38.45	Pass
			14	23.09	1.32	22.26	<=38.45	Pass
		8	0	22.24	1.32	21.41	<=38.45	Pass
			4	22.25	1.32	21.42	<=38.45	Pass
			7	22.24	1.32	21.41	<=38.45	Pass
	15	0	22.26	1.32	21.43	<=38.45	Pass	
	836.5	1	0	23.06	1.32	22.23	<=38.45	Pass
			7	23.10	1.32	22.27	<=38.45	Pass
			14	23.01	1.32	22.18	<=38.45	Pass
		8	0	22.07	1.32	21.24	<=38.45	Pass



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16QAM	847.5	15	4	21.99	1.32	21.16	<=38.45	Pass	
			7	22.02	1.32	21.19	<=38.45	Pass	
			0	21.96	1.32	21.13	<=38.45	Pass	
	8	1	0	22.83	1.32	22.00	<=38.45	Pass	
			7	22.90	1.32	22.07	<=38.45	Pass	
			14	22.84	1.32	22.01	<=38.45	Pass	
			0	21.90	1.32	21.07	<=38.45	Pass	
			4	21.98	1.32	21.15	<=38.45	Pass	
			7	21.98	1.32	21.15	<=38.45	Pass	
	15	0	21.91	1.32	21.08	<=38.45	Pass		
	825.5	8	1	0	22.35	1.32	21.52	<=38.45	Pass
				7	22.43	1.32	21.60	<=38.45	Pass
				14	22.27	1.32	21.44	<=38.45	Pass
				0	21.26	1.32	20.43	<=38.45	Pass
				4	21.29	1.32	20.46	<=38.45	Pass
7				21.24	1.32	20.41	<=38.45	Pass	
15		0	21.28	1.32	20.45	<=38.45	Pass		
836.5		1	0	22.10	1.32	21.27	<=38.45	Pass	
			7	22.18	1.32	21.35	<=38.45	Pass	
			14	22.06	1.32	21.23	<=38.45	Pass	
			0	21.09	1.32	20.26	<=38.45	Pass	
			4	21.08	1.32	20.25	<=38.45	Pass	
	7		21.13	1.32	20.30	<=38.45	Pass		
15	0	21.01	1.32	20.18	<=38.45	Pass			
847.5	1	0	22.00	1.32	21.17	<=38.45	Pass		
		7	22.13	1.32	21.30	<=38.45	Pass		
		14	22.02	1.32	21.19	<=38.45	Pass		
	8	0	20.93	1.32	20.10	<=38.45	Pass		
		4	21.04	1.32	20.21	<=38.45	Pass		
		7	21.01	1.32	20.18	<=38.45	Pass		
	15	0	20.93	1.32	20.10	<=38.45	Pass		
	64QAM	825.5	1	0	21.37	1.32	20.54	<=38.45	Pass
				7	21.38	1.32	20.55	<=38.45	Pass
14				21.27	1.32	20.44	<=38.45	Pass	
8			0	20.27	1.32	19.44	<=38.45	Pass	
			4	20.29	1.32	19.46	<=38.45	Pass	
			7	20.22	1.32	19.39	<=38.45	Pass	
15		0	20.24	1.32	19.41	<=38.45	Pass		
836.5		1	0	21.15	1.32	20.32	<=38.45	Pass	
			7	21.26	1.32	20.43	<=38.45	Pass	
			14	21.23	1.32	20.40	<=38.45	Pass	
		8	0	20.02	1.32	19.19	<=38.45	Pass	
			4	20.03	1.32	19.20	<=38.45	Pass	
			7	20.08	1.32	19.25	<=38.45	Pass	
15		0	20.02	1.32	19.19	<=38.45	Pass		
847.5		1	0	21.03	1.32	20.20	<=38.45	Pass	
	7		21.06	1.32	20.23	<=38.45	Pass		
	14		21.03	1.32	20.20	<=38.45	Pass		



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		8	0	19.92	1.32	19.09	<=38.45	Pass
			4	20.02	1.32	19.19	<=38.45	Pass
			7	20.00	1.32	19.17	<=38.45	Pass
		15	0	19.95	1.32	19.12	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.3 B5_5MHz_ERP

1.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	826.5	1	0	23.14	1.32	22.31	<=38.45	Pass		
			13	23.21	1.32	22.38	<=38.45	Pass		
			24	23.13	1.32	22.30	<=38.45	Pass		
		12	0	22.18	1.32	21.35	<=38.45	Pass		
			6	22.21	1.32	21.38	<=38.45	Pass		
			13	22.23	1.32	21.40	<=38.45	Pass		
		25	0	22.23	1.32	21.40	<=38.45	Pass		
		836.5	1	0	23.08	1.32	22.25	<=38.45	Pass	
				13	23.10	1.32	22.27	<=38.45	Pass	
	24			23.04	1.32	22.21	<=38.45	Pass		
	12		0	22.12	1.32	21.29	<=38.45	Pass		
			6	22.07	1.32	21.24	<=38.45	Pass		
			13	22.14	1.32	21.31	<=38.45	Pass		
	25	0	22.08	1.32	21.25	<=38.45	Pass			
	846.5	1	0	22.97	1.32	22.14	<=38.45	Pass		
			13	23.05	1.32	22.22	<=38.45	Pass		
			24	22.99	1.32	22.16	<=38.45	Pass		
		12	0	22.05	1.32	21.22	<=38.45	Pass		
			6	22.05	1.32	21.22	<=38.45	Pass		
			13	22.07	1.32	21.24	<=38.45	Pass		
		25	0	22.08	1.32	21.25	<=38.45	Pass		
		16QAM	826.5	1	0	22.21	1.32	21.38	<=38.45	Pass
					13	22.35	1.32	21.52	<=38.45	Pass
	24				22.22	1.32	21.39	<=38.45	Pass	
12	0			21.19	1.32	20.36	<=38.45	Pass		
	6			21.24	1.32	20.41	<=38.45	Pass		
	13			21.23	1.32	20.40	<=38.45	Pass		
25	0		21.24	1.32	20.41	<=38.45	Pass			
836.5	1		0	22.25	1.32	21.42	<=38.45	Pass		
			13	22.31	1.32	21.48	<=38.45	Pass		
			24	22.28	1.32	21.45	<=38.45	Pass		
	12		0	21.16	1.32	20.33	<=38.45	Pass		
			6	21.12	1.32	20.29	<=38.45	Pass		



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64QAM	846.5	25	13	21.21	1.32	20.38	<=38.45	Pass	
			0	21.10	1.32	20.27	<=38.45	Pass	
			0	22.18	1.32	21.35	<=38.45	Pass	
		12	1	13	22.20	1.32	21.37	<=38.45	Pass
			24	22.17	1.32	21.34	<=38.45	Pass	
			0	21.07	1.32	20.24	<=38.45	Pass	
	25	6	21.12	1.32	20.29	<=38.45	Pass		
		13	21.15	1.32	20.32	<=38.45	Pass		
		0	21.12	1.32	20.29	<=38.45	Pass		
	826.5	836.5	1	0	21.36	1.32	20.53	<=38.45	Pass
				13	21.44	1.32	20.61	<=38.45	Pass
				24	21.28	1.32	20.45	<=38.45	Pass
12			0	20.24	1.32	19.41	<=38.45	Pass	
			6	20.30	1.32	19.47	<=38.45	Pass	
			13	20.27	1.32	19.44	<=38.45	Pass	
25		0	20.20	1.32	19.37	<=38.45	Pass		
		1	0	21.35	1.32	20.52	<=38.45	Pass	
			13	21.25	1.32	20.42	<=38.45	Pass	
24			21.13	1.32	20.30	<=38.45	Pass		
12		0	20.16	1.32	19.33	<=38.45	Pass		
		6	20.15	1.32	19.32	<=38.45	Pass		
	13	20.14	1.32	19.31	<=38.45	Pass			
25	0	20.11	1.32	19.28	<=38.45	Pass			
	846.5	1	0	21.11	1.32	20.28	<=38.45	Pass	
			13	21.14	1.32	20.31	<=38.45	Pass	
24			21.03	1.32	20.20	<=38.45	Pass		
12	0	20.05	1.32	19.22	<=38.45	Pass			
	6	20.11	1.32	19.28	<=38.45	Pass			
	13	20.11	1.32	19.28	<=38.45	Pass			
25	0	20.19	1.32	19.36	<=38.45	Pass			

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.4 B5_10MHz_ERP

1.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.14	1.32	22.31	<=38.45	Pass
			25	23.17	1.32	22.34	<=38.45	Pass
			49	23.03	1.32	22.20	<=38.45	Pass
		25	0	22.23	1.32	21.40	<=38.45	Pass
			13	22.30	1.32	21.47	<=38.45	Pass
			25	22.23	1.32	21.40	<=38.45	Pass
		50	0	22.43	1.32	21.60	<=38.45	Pass



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	836.5	1	0	23.14	1.32	22.31	<=38.45	Pass	
			25	23.15	1.32	22.32	<=38.45	Pass	
			49	23.07	1.32	22.24	<=38.45	Pass	
		25	0	22.18	1.32	21.35	<=38.45	Pass	
			13	22.17	1.32	21.34	<=38.45	Pass	
			25	22.16	1.32	21.33	<=38.45	Pass	
	50	0	22.29	1.32	21.46	<=38.45	Pass		
	844	1	0	23.00	1.32	22.17	<=38.45	Pass	
			25	23.06	1.32	22.23	<=38.45	Pass	
			49	22.97	1.32	22.14	<=38.45	Pass	
		25	0	22.04	1.32	21.21	<=38.45	Pass	
			13	22.14	1.32	21.31	<=38.45	Pass	
			25	22.11	1.32	21.28	<=38.45	Pass	
	50	0	22.28	1.32	21.45	<=38.45	Pass		
	16QAM	829	1	0	22.40	1.32	21.57	<=38.45	Pass
25				22.42	1.32	21.59	<=38.45	Pass	
49				22.27	1.32	21.44	<=38.45	Pass	
25			0	21.28	1.32	20.45	<=38.45	Pass	
			13	21.36	1.32	20.53	<=38.45	Pass	
			25	21.28	1.32	20.45	<=38.45	Pass	
50		0	21.46	1.32	20.63	<=38.45	Pass		
836.5		1	0	22.35	1.32	21.52	<=38.45	Pass	
			25	22.26	1.32	21.43	<=38.45	Pass	
			49	22.13	1.32	21.30	<=38.45	Pass	
		25	0	21.20	1.32	20.37	<=38.45	Pass	
			13	21.19	1.32	20.36	<=38.45	Pass	
			25	21.20	1.32	20.37	<=38.45	Pass	
50		0	21.31	1.32	20.48	<=38.45	Pass		
844		1	0	22.16	1.32	21.33	<=38.45	Pass	
			25	22.16	1.32	21.33	<=38.45	Pass	
			49	22.05	1.32	21.22	<=38.45	Pass	
		25	0	21.08	1.32	20.25	<=38.45	Pass	
			13	21.16	1.32	20.33	<=38.45	Pass	
			25	21.12	1.32	20.29	<=38.45	Pass	
50		0	21.30	1.32	20.47	<=38.45	Pass		
64QAM		829	1	0	21.35	1.32	20.52	<=38.45	Pass
				25	21.32	1.32	20.49	<=38.45	Pass
				49	21.26	1.32	20.43	<=38.45	Pass
	25		0	20.25	1.32	19.42	<=38.45	Pass	
			13	20.31	1.32	19.48	<=38.45	Pass	
			25	20.27	1.32	19.44	<=38.45	Pass	
	50	0	20.47	1.32	19.64	<=38.45	Pass		
	836.5	1	0	21.27	1.32	20.44	<=38.45	Pass	
			25	21.37	1.32	20.54	<=38.45	Pass	
			49	21.12	1.32	20.29	<=38.45	Pass	
		25	0	20.20	1.32	19.37	<=38.45	Pass	
			13	20.19	1.32	19.36	<=38.45	Pass	
			25	20.21	1.32	19.38	<=38.45	Pass	



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		50	0	20.30	1.32	19.47	<=38.45	Pass
	844	1	0	21.33	1.32	20.50	<=38.45	Pass
			25	21.23	1.32	20.40	<=38.45	Pass
			49	21.18	1.32	20.35	<=38.45	Pass
			0	20.12	1.32	19.29	<=38.45	Pass
		25	13	20.16	1.32	19.33	<=38.45	Pass
			25	20.13	1.32	19.30	<=38.45	Pass
			50	0	20.30	1.32	19.47	<=38.45
Note1: ERP=Conducted Power+Antenna Gain-2.15								



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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	3.3	5.650	0.0069	-2.5 to 2.5	Pass
					3.8	7.834	0.0095	-2.5 to 2.5	Pass
					4.3	13.111	0.0159	-2.5 to 2.5	Pass
				-30	3.8	12.917	0.0157	-2.5 to 2.5	Pass
				-20	3.8	11.357	0.0138	-2.5 to 2.5	Pass
				-10	3.8	10.162	0.0123	-2.5 to 2.5	Pass
				0	3.8	8.210	0.0100	-2.5 to 2.5	Pass
				10	3.8	4.295	0.0052	-2.5 to 2.5	Pass
				30	3.8	3.277	0.0040	-2.5 to 2.5	Pass
				40	3.8	1.917	0.0023	-2.5 to 2.5	Pass
	50	3.8	0.219	0.0003	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.3	14.354	0.0172	-2.5 to 2.5	Pass
					3.8	9.997	0.0120	-2.5 to 2.5	Pass
					4.3	6.572	0.0079	-2.5 to 2.5	Pass
				-30	3.8	3.798	0.0045	-2.5 to 2.5	Pass
				-20	3.8	2.717	0.0032	-2.5 to 2.5	Pass
				-10	3.8	1.820	0.0022	-2.5 to 2.5	Pass
				0	3.8	1.866	0.0022	-2.5 to 2.5	Pass
				10	3.8	1.785	0.0021	-2.5 to 2.5	Pass
				30	3.8	0.995	0.0012	-2.5 to 2.5	Pass
				40	3.8	0.963	0.0012	-2.5 to 2.5	Pass
	50	3.8	1.105	0.0013	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.3	-20.496	-0.0242	-2.5 to 2.5	Pass
					3.8	-15.233	-0.0180	-2.5 to 2.5	Pass
					4.3	-11.851	-0.0140	-2.5 to 2.5	Pass
				-30	3.8	-8.354	-0.0098	-2.5 to 2.5	Pass
				-20	3.8	-5.004	-0.0059	-2.5 to 2.5	Pass
				-10	3.8	-3.725	-0.0044	-2.5 to 2.5	Pass
				0	3.8	-3.108	-0.0037	-2.5 to 2.5	Pass
				10	3.8	-2.263	-0.0027	-2.5 to 2.5	Pass
30				3.8	-1.359	-0.0016	-2.5 to 2.5	Pass	
40				3.8	-1.378	-0.0016	-2.5 to 2.5	Pass	
50	3.8	-1.967	-0.0023	-2.5 to 2.5	Pass				
16QAM	824.7	6	0	20	3.3	0.560	0.0007	-2.5 to 2.5	Pass
					3.8	0.273	0.0003	-2.5 to 2.5	Pass
					4.3	-0.140	-0.0002	-2.5 to 2.5	Pass
				-30	3.8	-0.427	-0.0005	-2.5 to 2.5	Pass



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64QAM	836.5	6	0	-20	3.8	-0.140	-0.0002	-2.5 to 2.5	Pass
				-10	3.8	-0.819	-0.0010	-2.5 to 2.5	Pass
				0	3.8	-0.992	-0.0012	-2.5 to 2.5	Pass
				10	3.8	-0.305	-0.0004	-2.5 to 2.5	Pass
				30	3.8	-0.216	-0.0003	-2.5 to 2.5	Pass
				40	3.8	-0.860	-0.0010	-2.5 to 2.5	Pass
				50	3.8	-0.341	-0.0004	-2.5 to 2.5	Pass
	848.3	6	0	20	3.3	-0.226	-0.0003	-2.5 to 2.5	Pass
					3.8	0.282	0.0003	-2.5 to 2.5	Pass
					4.3	0.240	0.0003	-2.5 to 2.5	Pass
				-30	3.8	0.299	0.0004	-2.5 to 2.5	Pass
				-20	3.8	-0.203	-0.0002	-2.5 to 2.5	Pass
				-10	3.8	0.179	0.0002	-2.5 to 2.5	Pass
				0	3.8	-0.217	-0.0003	-2.5 to 2.5	Pass
				10	3.8	0.628	0.0008	-2.5 to 2.5	Pass
				30	3.8	0.390	0.0005	-2.5 to 2.5	Pass
				40	3.8	0.566	0.0007	-2.5 to 2.5	Pass
				50	3.8	0.491	0.0006	-2.5 to 2.5	Pass
	824.7	6	0	20	3.3	-0.606	-0.0007	-2.5 to 2.5	Pass
					3.8	-1.451	-0.0017	-2.5 to 2.5	Pass
					4.3	-1.306	-0.0015	-2.5 to 2.5	Pass
				-30	3.8	-1.724	-0.0020	-2.5 to 2.5	Pass
				-20	3.8	-0.684	-0.0008	-2.5 to 2.5	Pass
				-10	3.8	-1.146	-0.0014	-2.5 to 2.5	Pass
				0	3.8	-0.698	-0.0008	-2.5 to 2.5	Pass
				10	3.8	-1.404	-0.0017	-2.5 to 2.5	Pass
				30	3.8	-0.986	-0.0012	-2.5 to 2.5	Pass
				40	3.8	-0.526	-0.0006	-2.5 to 2.5	Pass
50				3.8	-0.830	-0.0010	-2.5 to 2.5	Pass	
836.5	6	0	20	3.3	-0.386	-0.0005	-2.5 to 2.5	Pass	
				3.8	-0.884	-0.0011	-2.5 to 2.5	Pass	
				4.3	-0.049	-0.0001	-2.5 to 2.5	Pass	
			-30	3.8	-0.768	-0.0009	-2.5 to 2.5	Pass	
			-20	3.8	-0.675	-0.0008	-2.5 to 2.5	Pass	
			-10	3.8	-1.965	-0.0024	-2.5 to 2.5	Pass	
			0	3.8	-1.178	-0.0014	-2.5 to 2.5	Pass	
			10	3.8	-0.560	-0.0007	-2.5 to 2.5	Pass	
			30	3.8	-0.910	-0.0011	-2.5 to 2.5	Pass	
			40	3.8	-0.904	-0.0011	-2.5 to 2.5	Pass	
			50	3.8	-0.453	-0.0005	-2.5 to 2.5	Pass	
836.5	6	0	20	3.3	-0.820	-0.0010	-2.5 to 2.5	Pass	
				3.8	-0.585	-0.0007	-2.5 to 2.5	Pass	
				4.3	0.083	0.0001	-2.5 to 2.5	Pass	
			-30	3.8	-1.075	-0.0013	-2.5 to 2.5	Pass	
			-20	3.8	-0.867	-0.0010	-2.5 to 2.5	Pass	
			-10	3.8	-0.296	-0.0004	-2.5 to 2.5	Pass	
			0	3.8	0.042	0.0001	-2.5 to 2.5	Pass	
10	3.8	-1.241	-0.0015	-2.5 to 2.5	Pass				



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Modulation	Frequency (MHz)	RB Allocation Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)	Verdict	
				Result	Limit				
QPSK	848.3	6	0	30	3.8	-0.248	-0.0003	-2.5 to 2.5	Pass
				40	3.8	-1.402	-0.0017	-2.5 to 2.5	Pass
				50	3.8	-1.056	-0.0013	-2.5 to 2.5	Pass
				20	3.3	-0.427	-0.0005	-2.5 to 2.5	Pass
					3.8	-0.970	-0.0011	-2.5 to 2.5	Pass
					4.3	-0.880	-0.0010	-2.5 to 2.5	Pass
				-30	3.8	-1.046	-0.0012	-2.5 to 2.5	Pass
				-20	3.8	-0.470	-0.0006	-2.5 to 2.5	Pass
				-10	3.8	0.618	0.0007	-2.5 to 2.5	Pass
				0	3.8	-0.090	-0.0001	-2.5 to 2.5	Pass
				10	3.8	-0.790	-0.0009	-2.5 to 2.5	Pass
				30	3.8	-1.214	-0.0014	-2.5 to 2.5	Pass
				40	3.8	-0.445	-0.0005	-2.5 to 2.5	Pass
				50	3.8	-0.713	-0.0008	-2.5 to 2.5	Pass

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	3.3	-0.255	-0.0003	-2.5 to 2.5	Pass
					3.8	0.162	0.0002	-2.5 to 2.5	Pass
					4.3	-0.254	-0.0003	-2.5 to 2.5	Pass
				-30	3.8	0.230	0.0003	-2.5 to 2.5	Pass
				-20	3.8	0.286	0.0003	-2.5 to 2.5	Pass
				-10	3.8	0.262	0.0003	-2.5 to 2.5	Pass
				0	3.8	-0.197	-0.0002	-2.5 to 2.5	Pass
				10	3.8	0.350	0.0004	-2.5 to 2.5	Pass
				30	3.8	0.362	0.0004	-2.5 to 2.5	Pass
				40	3.8	0.531	0.0006	-2.5 to 2.5	Pass
	50	3.8	-0.257	-0.0003	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.3	0.866	0.0010	-2.5 to 2.5	Pass
					3.8	1.773	0.0021	-2.5 to 2.5	Pass
					4.3	1.106	0.0013	-2.5 to 2.5	Pass
				-30	3.8	1.519	0.0018	-2.5 to 2.5	Pass
				-20	3.8	1.837	0.0022	-2.5 to 2.5	Pass
				-10	3.8	0.858	0.0010	-2.5 to 2.5	Pass
				0	3.8	1.293	0.0015	-2.5 to 2.5	Pass
				10	3.8	0.932	0.0011	-2.5 to 2.5	Pass
				30	3.8	1.098	0.0013	-2.5 to 2.5	Pass
40				3.8	1.770	0.0021	-2.5 to 2.5	Pass	
50	3.8	1.185	0.0014	-2.5 to 2.5	Pass				
847.5	15	0	20	3.3	0.336	0.0004	-2.5 to 2.5	Pass	
				3.8	0.932	0.0011	-2.5 to 2.5	Pass	



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					4.3	-0.021	0.0000	-2.5 to 2.5	Pass	
				-30	3.8	0.615	0.0007	-2.5 to 2.5	Pass	
				-20	3.8	-0.364	-0.0004	-2.5 to 2.5	Pass	
				-10	3.8	0.083	0.0001	-2.5 to 2.5	Pass	
				0	3.8	-0.281	-0.0003	-2.5 to 2.5	Pass	
				10	3.8	-0.431	-0.0005	-2.5 to 2.5	Pass	
				30	3.8	0.250	0.0003	-2.5 to 2.5	Pass	
				40	3.8	-0.687	-0.0008	-2.5 to 2.5	Pass	
				50	3.8	-0.149	-0.0002	-2.5 to 2.5	Pass	
16QAM	825.5	15	0	20	3.3	0.452	0.0005	-2.5 to 2.5	Pass	
					3.8	0.033	0.0000	-2.5 to 2.5	Pass	
					4.3	-0.413	-0.0005	-2.5 to 2.5	Pass	
				-30	3.8	-0.379	-0.0005	-2.5 to 2.5	Pass	
					-20	3.8	0.410	0.0005	-2.5 to 2.5	Pass
					-10	3.8	0.560	0.0007	-2.5 to 2.5	Pass
				0	3.8	0.454	0.0005	-2.5 to 2.5	Pass	
					10	3.8	0.176	0.0002	-2.5 to 2.5	Pass
					30	3.8	0.201	0.0002	-2.5 to 2.5	Pass
				40	3.8	-0.210	-0.0003	-2.5 to 2.5	Pass	
					50	3.8	-0.106	-0.0001	-2.5 to 2.5	Pass
					20	3.3	0.694	0.0008	-2.5 to 2.5	Pass
	3.8	0.448	0.0005	-2.5 to 2.5		Pass				
	4.3	0.202	0.0002	-2.5 to 2.5		Pass				
	-30	3.8	0.503	0.0006	-2.5 to 2.5	Pass				
		-20	3.8	1.834	0.0022	-2.5 to 2.5	Pass			
		-10	3.8	0.373	0.0004	-2.5 to 2.5	Pass			
	0	3.8	0.930	0.0011	-2.5 to 2.5	Pass				
		10	3.8	0.168	0.0002	-2.5 to 2.5	Pass			
		30	3.8	1.042	0.0012	-2.5 to 2.5	Pass			
	40	3.8	0.631	0.0008	-2.5 to 2.5	Pass				
		50	3.8	0.585	0.0007	-2.5 to 2.5	Pass			
		20	3.3	0.234	0.0003	-2.5 to 2.5	Pass			
	3.8		-0.644	-0.0008	-2.5 to 2.5	Pass				
4.3	-0.816		-0.0010	-2.5 to 2.5	Pass					
-30	3.8	-0.931	-0.0011	-2.5 to 2.5	Pass					
	-20	3.8	-0.022	0.0000	-2.5 to 2.5	Pass				
	-10	3.8	0.241	0.0003	-2.5 to 2.5	Pass				
0	3.8	-0.564	-0.0007	-2.5 to 2.5	Pass					
	10	3.8	0.465	0.0005	-2.5 to 2.5	Pass				
	30	3.8	-0.398	-0.0005	-2.5 to 2.5	Pass				
40	3.8	-0.441	-0.0005	-2.5 to 2.5	Pass					
	50	3.8	-0.389	-0.0005	-2.5 to 2.5	Pass				
	20	3.3	0.848	0.0010	-2.5 to 2.5	Pass				
3.8		0.130	0.0002	-2.5 to 2.5	Pass					
4.3		0.090	0.0001	-2.5 to 2.5	Pass					
-30	3.8	-0.488	-0.0006	-2.5 to 2.5	Pass					
	-20	3.8	0.652	0.0008	-2.5 to 2.5	Pass				
	-10	3.8	0.600	0.0007	-2.5 to 2.5	Pass				



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				0	3.8	-0.074	-0.0001	-2.5 to 2.5	Pass
				10	3.8	0.296	0.0004	-2.5 to 2.5	Pass
				30	3.8	0.251	0.0003	-2.5 to 2.5	Pass
				40	3.8	0.021	0.0000	-2.5 to 2.5	Pass
				50	3.8	0.173	0.0002	-2.5 to 2.5	Pass
	836.5	15	0	20	3.3	0.679	0.0008	-2.5 to 2.5	Pass
					3.8	-0.118	-0.0001	-2.5 to 2.5	Pass
					4.3	1.808	0.0022	-2.5 to 2.5	Pass
				-30	3.8	-0.797	-0.0010	-2.5 to 2.5	Pass
				-20	3.8	0.533	0.0006	-2.5 to 2.5	Pass
				-10	3.8	-0.808	-0.0010	-2.5 to 2.5	Pass
				0	3.8	0.221	0.0003	-2.5 to 2.5	Pass
				10	3.8	0.070	0.0001	-2.5 to 2.5	Pass
				30	3.8	-0.684	-0.0008	-2.5 to 2.5	Pass
				40	3.8	-1.037	-0.0012	-2.5 to 2.5	Pass
	50	3.8	-0.080	-0.0001	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.3	0.057	0.0001	-2.5 to 2.5	Pass
					3.8	0.008	0.0000	-2.5 to 2.5	Pass
					4.3	0.397	0.0005	-2.5 to 2.5	Pass
				-30	3.8	-0.035	0.0000	-2.5 to 2.5	Pass
-20				3.8	0.525	0.0006	-2.5 to 2.5	Pass	
-10				3.8	0.340	0.0004	-2.5 to 2.5	Pass	
0				3.8	0.060	0.0001	-2.5 to 2.5	Pass	
10				3.8	0.169	0.0002	-2.5 to 2.5	Pass	
30				3.8	0.660	0.0008	-2.5 to 2.5	Pass	
40				3.8	-0.063	-0.0001	-2.5 to 2.5	Pass	
50	3.8	-0.085	-0.0001	-2.5 to 2.5	Pass				

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	3.3	0.027	0.0000	-2.5 to 2.5	Pass
					3.8	0.126	0.0002	-2.5 to 2.5	Pass
					4.3	0.166	0.0002	-2.5 to 2.5	Pass
				-30	3.8	0.197	0.0002	-2.5 to 2.5	Pass
				-20	3.8	-0.050	-0.0001	-2.5 to 2.5	Pass
				-10	3.8	-0.375	-0.0005	-2.5 to 2.5	Pass
				0	3.8	0.958	0.0012	-2.5 to 2.5	Pass
				10	3.8	-1.143	-0.0014	-2.5 to 2.5	Pass
				30	3.8	0.796	0.0010	-2.5 to 2.5	Pass
				40	3.8	0.287	0.0003	-2.5 to 2.5	Pass
50	3.8	-0.049	-0.0001	-2.5 to 2.5	Pass				



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836.5	25	0	20	3.3	-0.535	-0.0006	-2.5 to 2.5	Pass				
				3.8	-0.850	-0.0010	-2.5 to 2.5	Pass				
				4.3	-0.521	-0.0006	-2.5 to 2.5	Pass				
			-30	3.8	-0.352	-0.0004	-2.5 to 2.5	Pass				
				-20	3.8	-0.485	-0.0006	-2.5 to 2.5	Pass			
				-10	3.8	-0.737	-0.0009	-2.5 to 2.5	Pass			
			846.5	25	0	20	3.3	0.796	0.0009	-2.5 to 2.5	Pass	
							3.8	0.674	0.0008	-2.5 to 2.5	Pass	
							4.3	0.264	0.0003	-2.5 to 2.5	Pass	
						-30	3.8	0.695	0.0008	-2.5 to 2.5	Pass	
							-20	3.8	1.138	0.0013	-2.5 to 2.5	Pass
							-10	3.8	1.222	0.0014	-2.5 to 2.5	Pass
						0	3.8	1.623	0.0019	-2.5 to 2.5	Pass	
							10	3.8	1.009	0.0012	-2.5 to 2.5	Pass
			30	3.8	1.180	0.0014	-2.5 to 2.5	Pass				
				40	3.8	1.229	0.0015	-2.5 to 2.5	Pass			
			50	3.8	2.230	0.0026	-2.5 to 2.5	Pass				
			826.5	25	0	20	3.3	0.798	0.0010	-2.5 to 2.5	Pass	
							3.8	0.263	0.0003	-2.5 to 2.5	Pass	
4.3	0.022	0.0000					-2.5 to 2.5	Pass				
-30	3.8	1.052				0.0013	-2.5 to 2.5	Pass				
	-20	3.8				1.313	0.0016	-2.5 to 2.5	Pass			
	-10	3.8				1.272	0.0015	-2.5 to 2.5	Pass			
836.5	25	0				20	3.3	-0.432	-0.0005	-2.5 to 2.5	Pass	
							3.8	-0.815	-0.0010	-2.5 to 2.5	Pass	
							4.3	-0.409	-0.0005	-2.5 to 2.5	Pass	
						-30	3.8	-0.821	-0.0010	-2.5 to 2.5	Pass	
							-20	3.8	-0.245	-0.0003	-2.5 to 2.5	Pass
							-10	3.8	-0.972	-0.0012	-2.5 to 2.5	Pass
						0	3.8	-0.263	-0.0003	-2.5 to 2.5	Pass	
							10	3.8	-0.901	-0.0011	-2.5 to 2.5	Pass
30	3.8	-0.304				-0.0004	-2.5 to 2.5	Pass				
	40	3.8				-0.270	-0.0003	-2.5 to 2.5	Pass			
50	3.8	-1.067				-0.0013	-2.5 to 2.5	Pass				
846.5	25	0				20	3.3	1.831	0.0022	-2.5 to 2.5	Pass	
							3.8	1.154	0.0014	-2.5 to 2.5	Pass	
			4.3	-0.054	-0.0001		-2.5 to 2.5	Pass				
			-30	3.8	-0.095	-0.0001	-2.5 to 2.5	Pass				



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				-20	3.8	0.760	0.0009	-2.5 to 2.5	Pass				
				-10	3.8	1.236	0.0015	-2.5 to 2.5	Pass				
				0	3.8	0.215	0.0003	-2.5 to 2.5	Pass				
				10	3.8	-0.154	-0.0002	-2.5 to 2.5	Pass				
				30	3.8	-0.007	0.0000	-2.5 to 2.5	Pass				
				40	3.8	0.561	0.0007	-2.5 to 2.5	Pass				
				50	3.8	-0.267	-0.0003	-2.5 to 2.5	Pass				
64QAM	826.5	25	0	20	3.3	1.230	0.0015	-2.5 to 2.5	Pass				
					3.8	1.383	0.0017	-2.5 to 2.5	Pass				
					4.3	0.672	0.0008	-2.5 to 2.5	Pass				
								-30	3.8	0.354	0.0004	-2.5 to 2.5	Pass
								-20	3.8	0.028	0.0000	-2.5 to 2.5	Pass
								-10	3.8	0.206	0.0002	-2.5 to 2.5	Pass
								0	3.8	0.835	0.0010	-2.5 to 2.5	Pass
								10	3.8	0.466	0.0006	-2.5 to 2.5	Pass
								30	3.8	0.558	0.0007	-2.5 to 2.5	Pass
					40	3.8	-0.215	-0.0003	-2.5 to 2.5	Pass			
					50	3.8	-0.232	-0.0003	-2.5 to 2.5	Pass			
		836.5	25	0	20	3.3	-0.004	0.0000	-2.5 to 2.5	Pass			
	3.8					-0.525	-0.0006	-2.5 to 2.5	Pass				
	4.3					-0.505	-0.0006	-2.5 to 2.5	Pass				
								-30	3.8	-0.440	-0.0005	-2.5 to 2.5	Pass
								-20	3.8	-0.787	-0.0009	-2.5 to 2.5	Pass
								-10	3.8	0.561	0.0007	-2.5 to 2.5	Pass
								0	3.8	-0.377	-0.0005	-2.5 to 2.5	Pass
								10	3.8	0.313	0.0004	-2.5 to 2.5	Pass
								30	3.8	-0.414	-0.0005	-2.5 to 2.5	Pass
					40	3.8	-0.484	-0.0006	-2.5 to 2.5	Pass			
					50	3.8	0.069	0.0001	-2.5 to 2.5	Pass			
		846.5	25	0	20	3.3	-0.449	-0.0005	-2.5 to 2.5	Pass			
	3.8					1.052	0.0012	-2.5 to 2.5	Pass				
	4.3					-0.159	-0.0002	-2.5 to 2.5	Pass				
								-30	3.8	-0.183	-0.0002	-2.5 to 2.5	Pass
								-20	3.8	-0.142	-0.0002	-2.5 to 2.5	Pass
							-10	3.8	0.439	0.0005	-2.5 to 2.5	Pass	
							0	3.8	0.486	0.0006	-2.5 to 2.5	Pass	
							10	3.8	-0.158	-0.0002	-2.5 to 2.5	Pass	
							30	3.8	0.138	0.0002	-2.5 to 2.5	Pass	
				40	3.8	0.055	0.0001	-2.5 to 2.5	Pass				
				50	3.8	-0.249	-0.0003	-2.5 to 2.5	Pass				



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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	3.3	0.140	0.0002	-2.5 to 2.5	Pass	
					3.8	0.821	0.0010	-2.5 to 2.5	Pass	
					4.3	0.400	0.0005	-2.5 to 2.5	Pass	
				-30	3.8	0.264	0.0003	-2.5 to 2.5	Pass	
					-20	3.8	0.465	0.0006	-2.5 to 2.5	Pass
					-10	3.8	0.224	0.0003	-2.5 to 2.5	Pass
				0	3.8	0.190	0.0002	-2.5 to 2.5	Pass	
					10	3.8	-0.750	-0.0009	-2.5 to 2.5	Pass
					30	3.8	0.618	0.0007	-2.5 to 2.5	Pass
	40	3.8	0.480		0.0006	-2.5 to 2.5	Pass			
	50	3.8	-0.335		-0.0004	-2.5 to 2.5	Pass			
	836.5	50	0		20	3.3	-2.669	-0.0032	-2.5 to 2.5	Pass
				3.8		-1.351	-0.0016	-2.5 to 2.5	Pass	
				4.3		-2.830	-0.0034	-2.5 to 2.5	Pass	
				-30	3.8	-1.653	-0.0020	-2.5 to 2.5	Pass	
					-20	3.8	-2.358	-0.0028	-2.5 to 2.5	Pass
					-10	3.8	-1.799	-0.0022	-2.5 to 2.5	Pass
				0	3.8	-2.034	-0.0024	-2.5 to 2.5	Pass	
					10	3.8	-2.769	-0.0033	-2.5 to 2.5	Pass
					30	3.8	-2.063	-0.0025	-2.5 to 2.5	Pass
	40	3.8	-2.265		-0.0027	-2.5 to 2.5	Pass			
	50	3.8	-2.444		-0.0029	-2.5 to 2.5	Pass			
	844	50	0		20	3.3	-0.075	-0.0001	-2.5 to 2.5	Pass
				3.8		0.315	0.0004	-2.5 to 2.5	Pass	
				4.3		0.258	0.0003	-2.5 to 2.5	Pass	
				-30	3.8	0.265	0.0003	-2.5 to 2.5	Pass	
					-20	3.8	0.439	0.0005	-2.5 to 2.5	Pass
-10					3.8	1.017	0.0012	-2.5 to 2.5	Pass	
0				3.8	-0.069	-0.0001	-2.5 to 2.5	Pass		
				10	3.8	0.423	0.0005	-2.5 to 2.5	Pass	
				30	3.8	0.996	0.0012	-2.5 to 2.5	Pass	
	40	3.8	0.021	0.0000	-2.5 to 2.5	Pass				
	50	3.8	0.749	0.0009	-2.5 to 2.5	Pass				
	16QAM	829	50	0	20	3.3	-1.330	-0.0016	-2.5 to 2.5	Pass
3.8						0.452	0.0005	-2.5 to 2.5	Pass	
4.3						0.506	0.0006	-2.5 to 2.5	Pass	
-30					3.8	-0.542	-0.0007	-2.5 to 2.5	Pass	
					-20	3.8	0.316	0.0004	-2.5 to 2.5	Pass
					-10	3.8	-0.298	-0.0004	-2.5 to 2.5	Pass
0					3.8	0.218	0.0003	-2.5 to 2.5	Pass	



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64QAM	836.5	50	0	10	3.8	-0.458	-0.0006	-2.5 to 2.5	Pass
				30	3.8	-0.330	-0.0004	-2.5 to 2.5	Pass
				40	3.8	-1.211	-0.0015	-2.5 to 2.5	Pass
				50	3.8	0.050	0.0001	-2.5 to 2.5	Pass
				20	3.3	-1.749	-0.0021	-2.5 to 2.5	Pass
					3.8	-2.105	-0.0025	-2.5 to 2.5	Pass
					4.3	-1.684	-0.0020	-2.5 to 2.5	Pass
				-30	3.8	-2.016	-0.0024	-2.5 to 2.5	Pass
				-20	3.8	-0.845	-0.0010	-2.5 to 2.5	Pass
				-10	3.8	-2.012	-0.0024	-2.5 to 2.5	Pass
	0	3.8	-0.987	-0.0012	-2.5 to 2.5	Pass			
	844	50	0	20	3.3	0.384	0.0005	-2.5 to 2.5	Pass
					3.8	0.867	0.0010	-2.5 to 2.5	Pass
					4.3	0.509	0.0006	-2.5 to 2.5	Pass
				-30	3.8	0.725	0.0009	-2.5 to 2.5	Pass
				-20	3.8	-0.309	-0.0004	-2.5 to 2.5	Pass
				-10	3.8	0.505	0.0006	-2.5 to 2.5	Pass
				0	3.8	0.947	0.0011	-2.5 to 2.5	Pass
				10	3.8	0.898	0.0011	-2.5 to 2.5	Pass
				30	3.8	0.099	0.0001	-2.5 to 2.5	Pass
40				3.8	-0.082	-0.0001	-2.5 to 2.5	Pass	
50	3.8	0.528	0.0006	-2.5 to 2.5	Pass				
829	50	0	20	3.3	-0.222	-0.0003	-2.5 to 2.5	Pass	
				3.8	0.091	0.0001	-2.5 to 2.5	Pass	
				4.3	0.672	0.0008	-2.5 to 2.5	Pass	
			-30	3.8	0.511	0.0006	-2.5 to 2.5	Pass	
			-20	3.8	-0.350	-0.0004	-2.5 to 2.5	Pass	
			-10	3.8	0.154	0.0002	-2.5 to 2.5	Pass	
			0	3.8	0.015	0.0000	-2.5 to 2.5	Pass	
			10	3.8	-0.030	0.0000	-2.5 to 2.5	Pass	
			30	3.8	-0.305	-0.0004	-2.5 to 2.5	Pass	
			40	3.8	-0.153	-0.0002	-2.5 to 2.5	Pass	
50	3.8	-0.073	-0.0001	-2.5 to 2.5	Pass				
836.5	50	0	20	3.3	-1.246	-0.0015	-2.5 to 2.5	Pass	
				3.8	-1.457	-0.0017	-2.5 to 2.5	Pass	
				4.3	-0.922	-0.0011	-2.5 to 2.5	Pass	
			-30	3.8	-1.397	-0.0017	-2.5 to 2.5	Pass	
			-20	3.8	-1.935	-0.0023	-2.5 to 2.5	Pass	
			-10	3.8	-1.903	-0.0023	-2.5 to 2.5	Pass	
			0	3.8	-1.611	-0.0019	-2.5 to 2.5	Pass	
			10	3.8	-1.536	-0.0018	-2.5 to 2.5	Pass	
			30	3.8	-1.279	-0.0015	-2.5 to 2.5	Pass	
			40	3.8	-1.776	-0.0021	-2.5 to 2.5	Pass	
50	3.8	-2.587	-0.0031	-2.5 to 2.5	Pass				



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844	50	0	20	3.3	0.443	0.0005	-2.5 to 2.5	Pass
				3.8	0.567	0.0007	-2.5 to 2.5	Pass
				4.3	-0.129	-0.0002	-2.5 to 2.5	Pass
			-30	3.8	0.374	0.0004	-2.5 to 2.5	Pass
			-20	3.8	0.074	0.0001	-2.5 to 2.5	Pass
			-10	3.8	-0.481	-0.0006	-2.5 to 2.5	Pass
			0	3.8	0.221	0.0003	-2.5 to 2.5	Pass
			10	3.8	0.170	0.0002	-2.5 to 2.5	Pass
			30	3.8	0.091	0.0001	-2.5 to 2.5	Pass
			40	3.8	0.442	0.0005	-2.5 to 2.5	Pass
			50	3.8	0.134	0.0002	-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 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.123	/	Pass
		836.5	6	0	1.125	/	Pass
		848.3	6	0	1.115	/	Pass
	16QAM	824.7	6	0	1.122	/	Pass
		836.5	6	0	1.120	/	Pass
		848.3	6	0	1.121	/	Pass
	64QAM	824.7	6	0	1.127	/	Pass
		836.5	6	0	1.127	/	Pass
		848.3	6	0	1.128	/	Pass
3	QPSK	825.5	15	0	2.742	/	Pass
		836.5	15	0	2.739	/	Pass
		847.5	15	0	2.745	/	Pass
	16QAM	825.5	15	0	2.747	/	Pass
		836.5	15	0	2.744	/	Pass
		847.5	15	0	2.756	/	Pass
	64QAM	825.5	15	0	2.746	/	Pass
		836.5	15	0	2.752	/	Pass
		847.5	15	0	2.748	/	Pass
5	QPSK	826.5	25	0	4.586	/	Pass
		836.5	25	0	4.580	/	Pass
		846.5	25	0	4.583	/	Pass
	16QAM	826.5	25	0	4.562	/	Pass
		836.5	25	0	4.560	/	Pass
		846.5	25	0	4.579	/	Pass
	64QAM	826.5	25	0	4.564	/	Pass
		836.5	25	0	4.568	/	Pass
		846.5	25	0	4.583	/	Pass
10	QPSK	829	50	0	9.068	/	Pass
		836.5	50	0	9.080	/	Pass
		844	50	0	9.087	/	Pass
	16QAM	829	50	0	9.059	/	Pass
		836.5	50	0	9.079	/	Pass
		844	50	0	9.063	/	Pass
	64QAM	829	50	0	9.062	/	Pass
		836.5	50	0	9.080	/	Pass
		844	50	0	9.067	/	Pass



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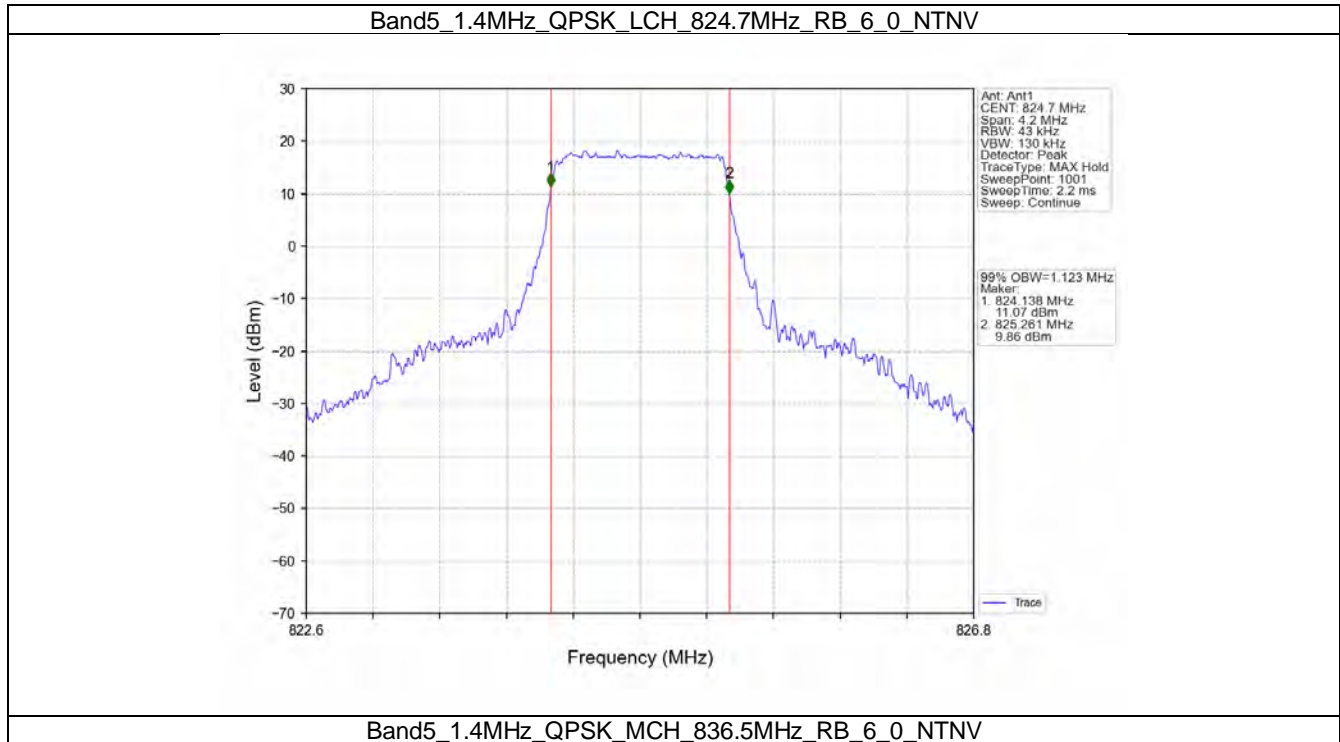
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3.1.2 Test Graph



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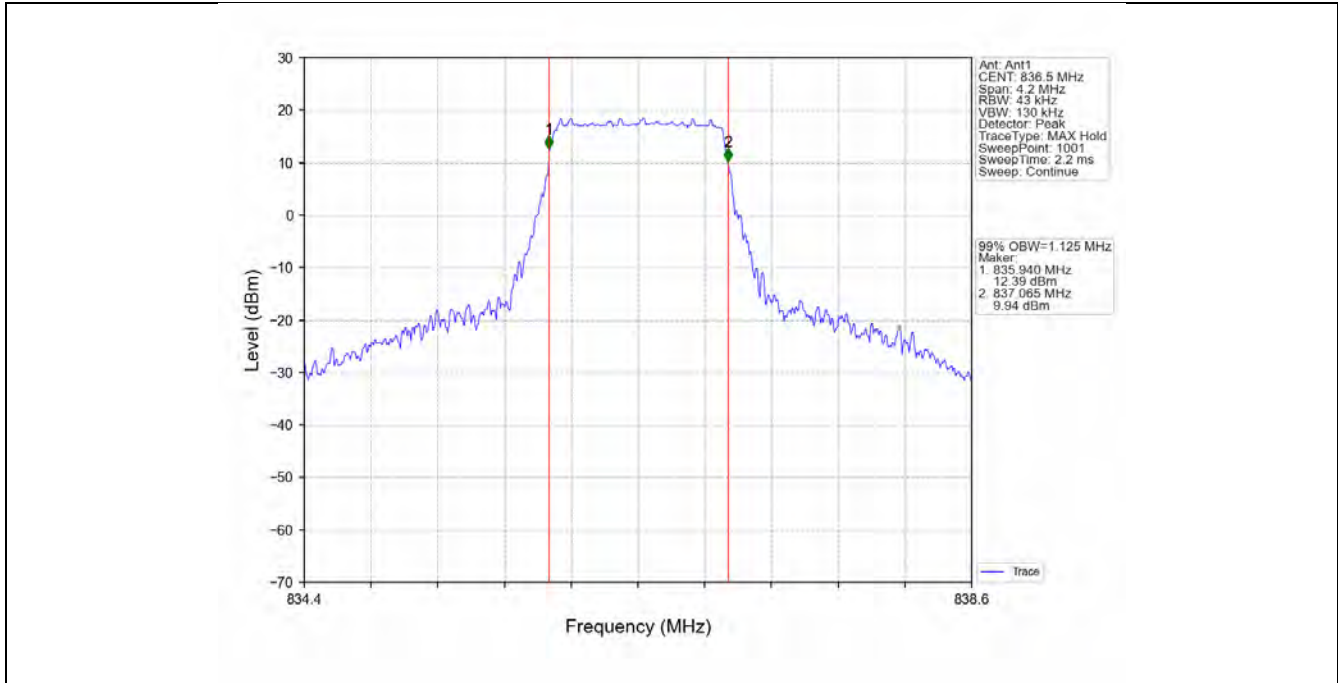


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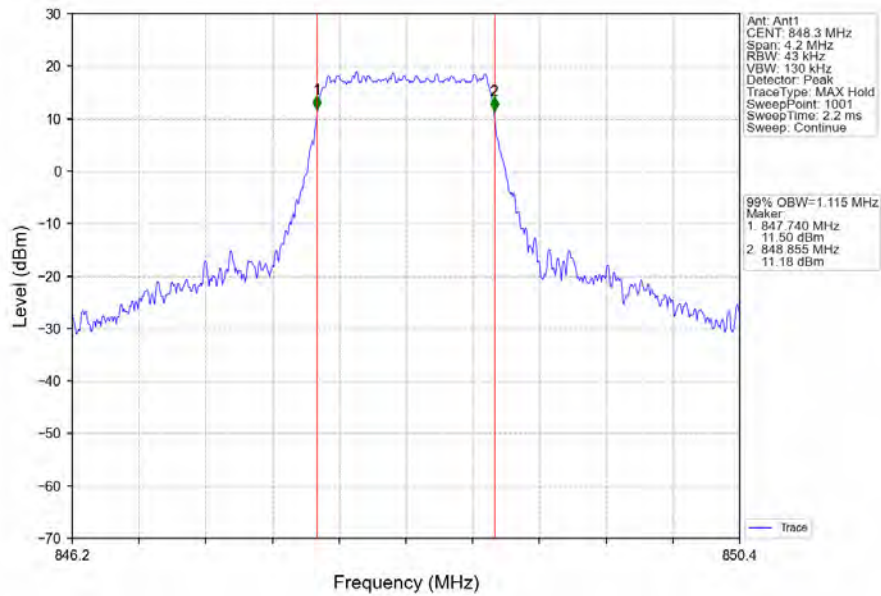
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Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



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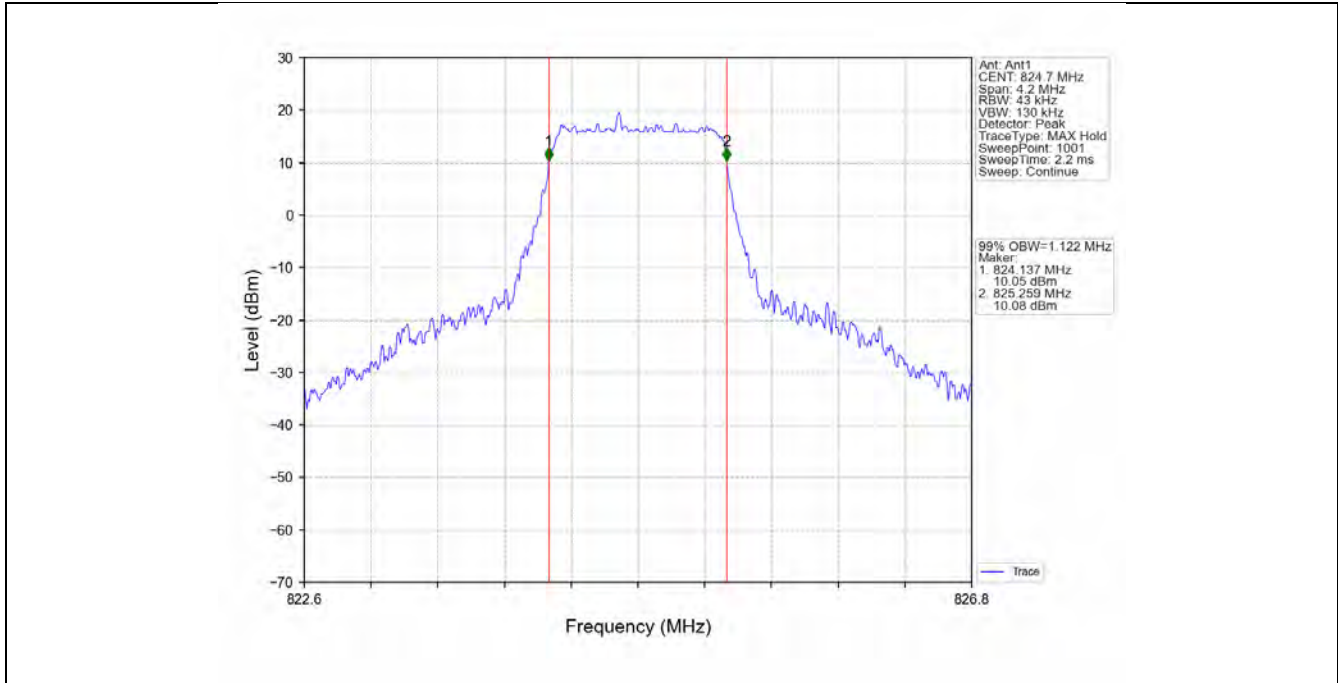


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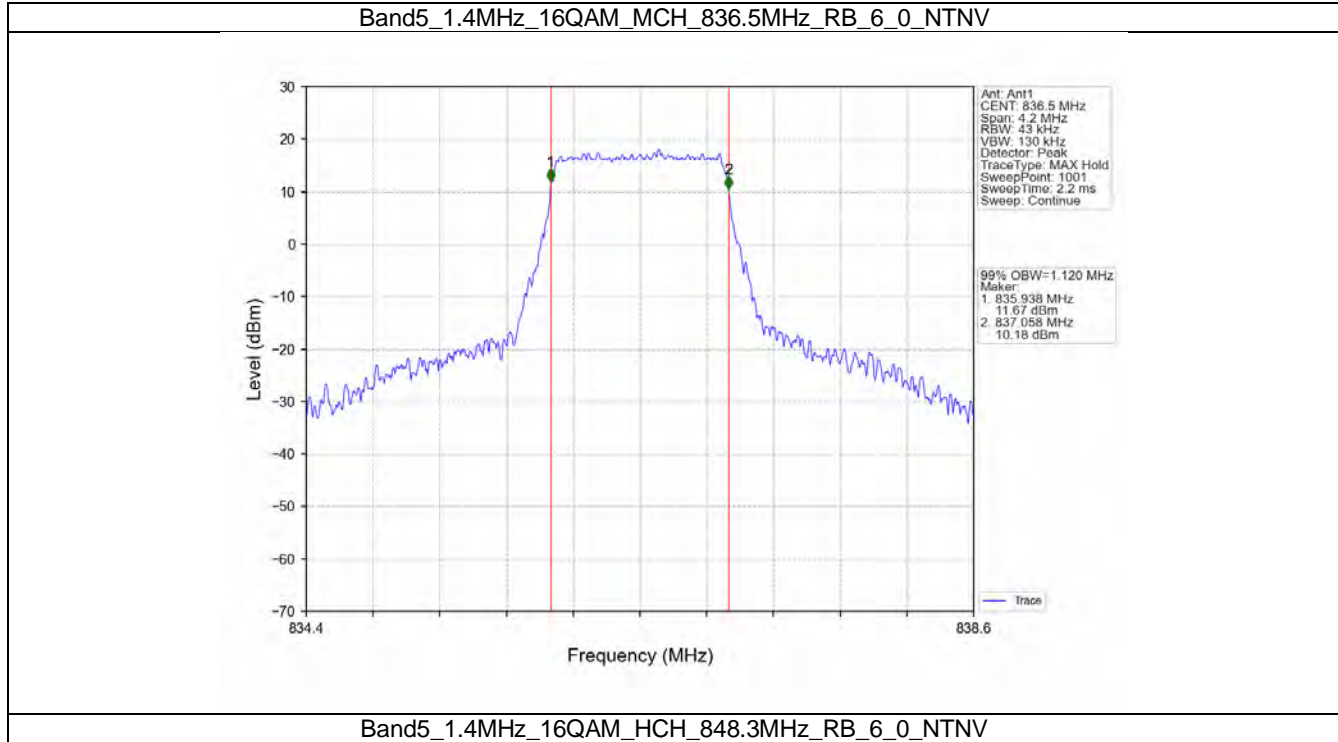


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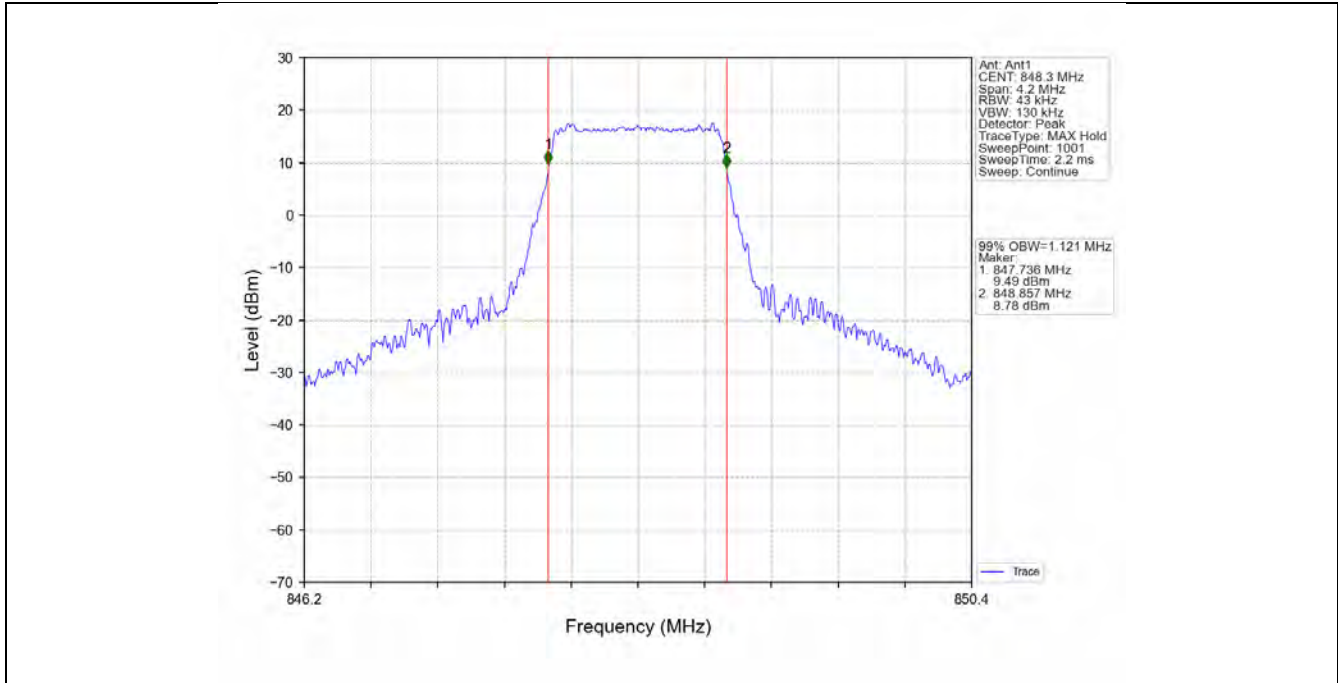


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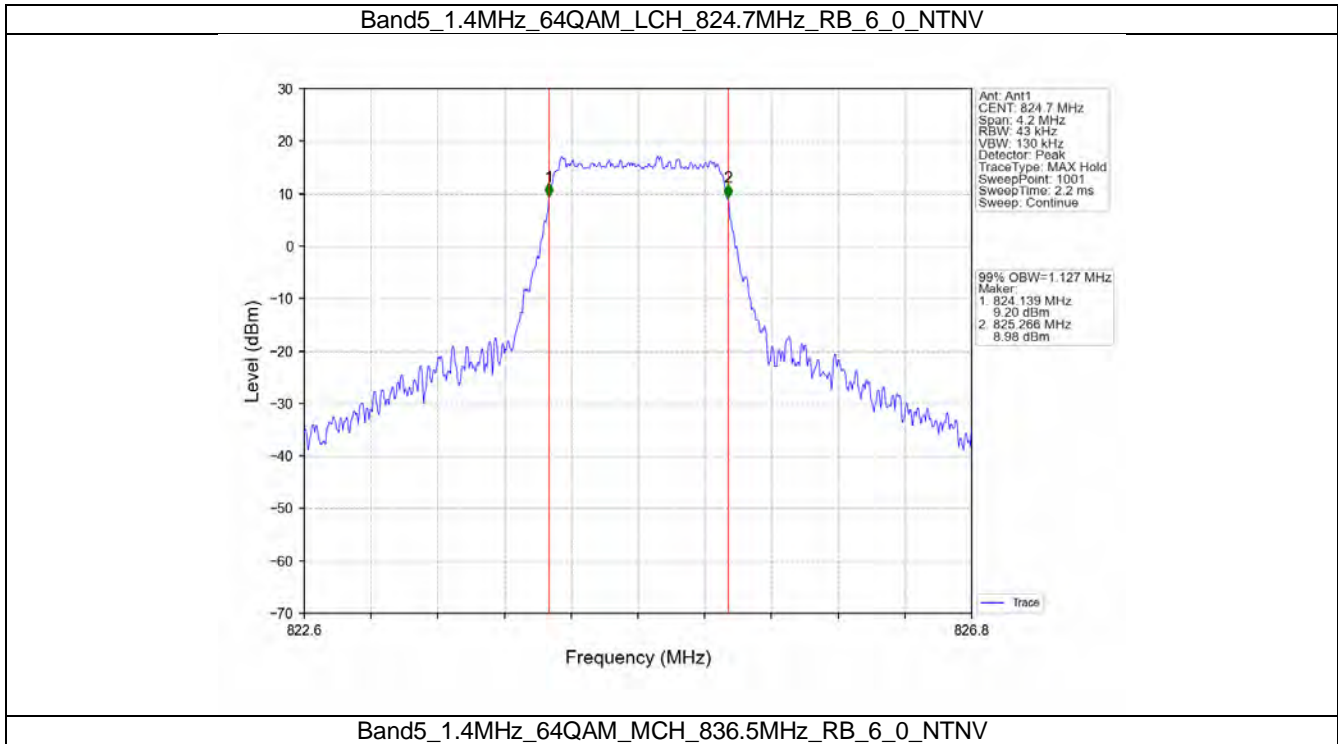


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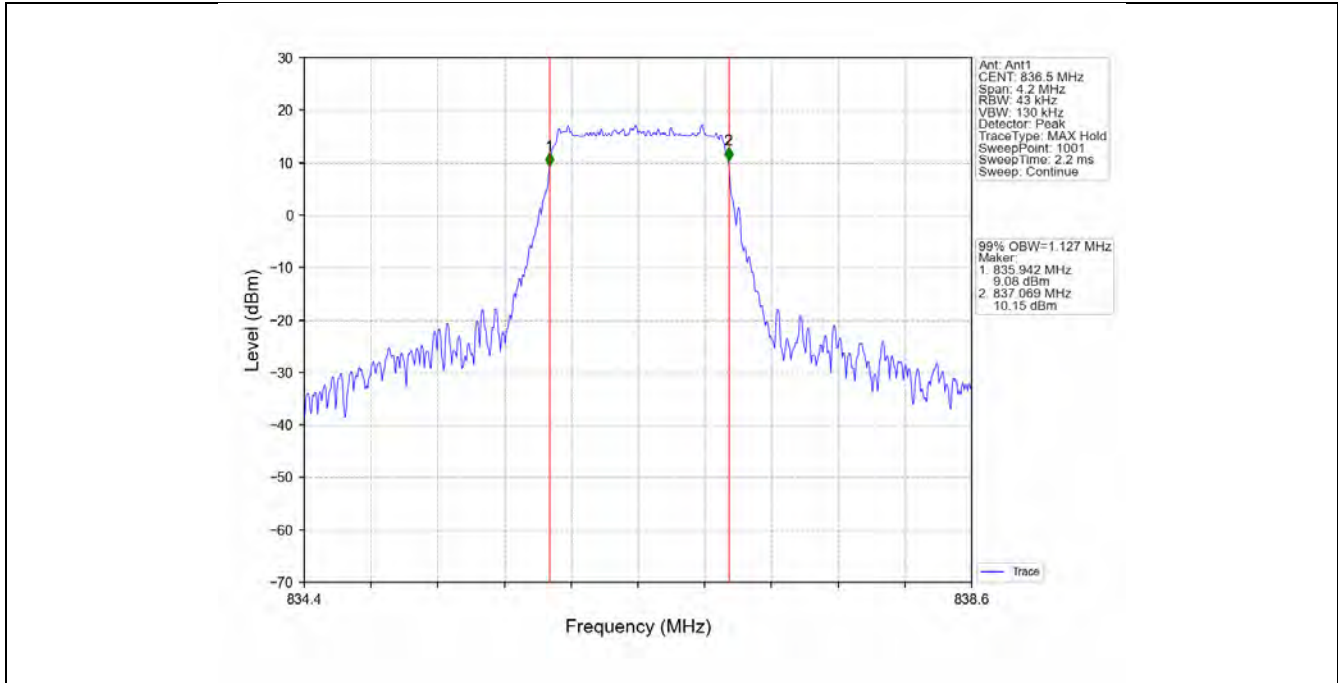


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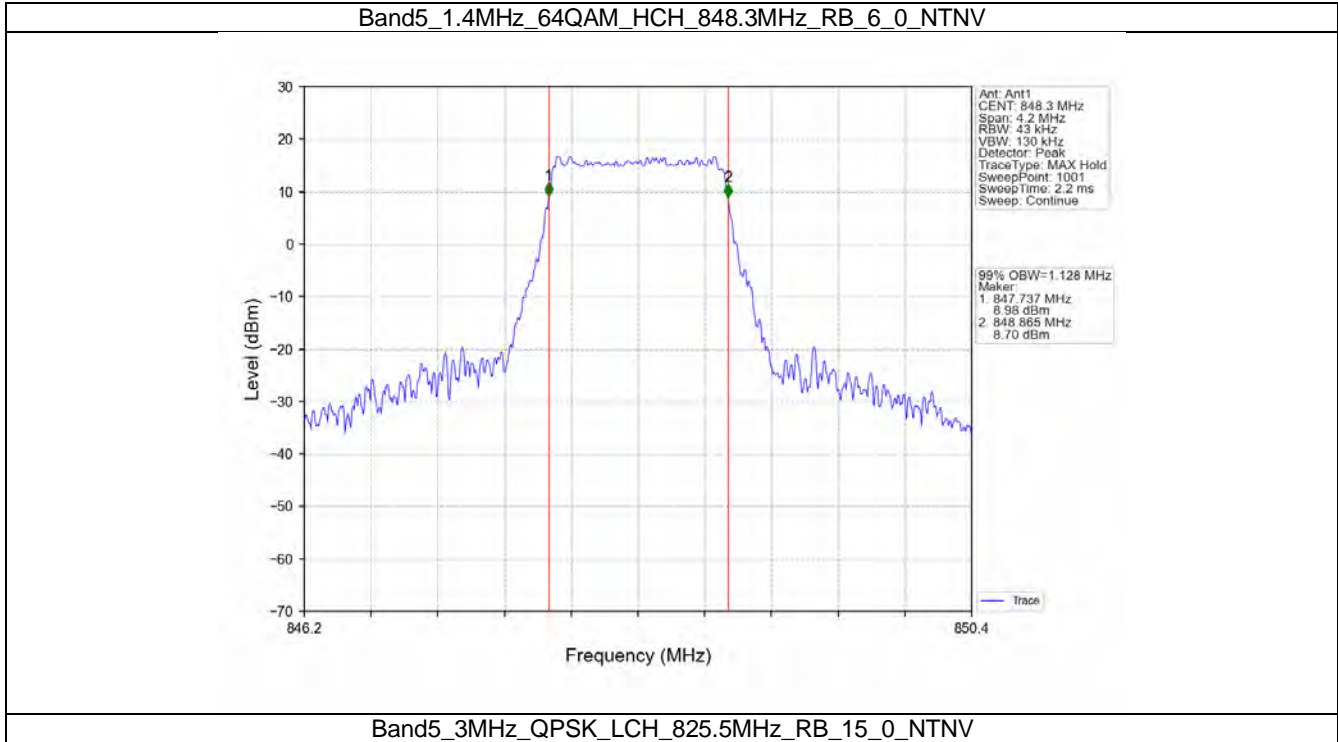


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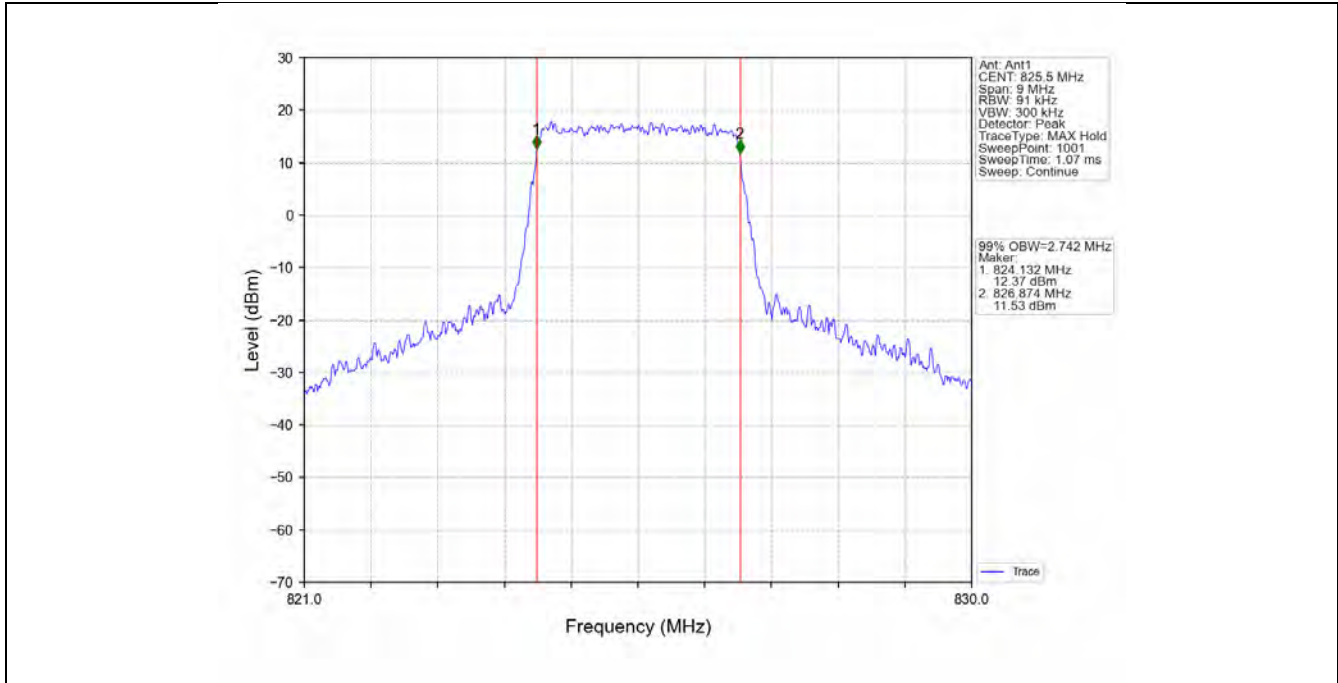


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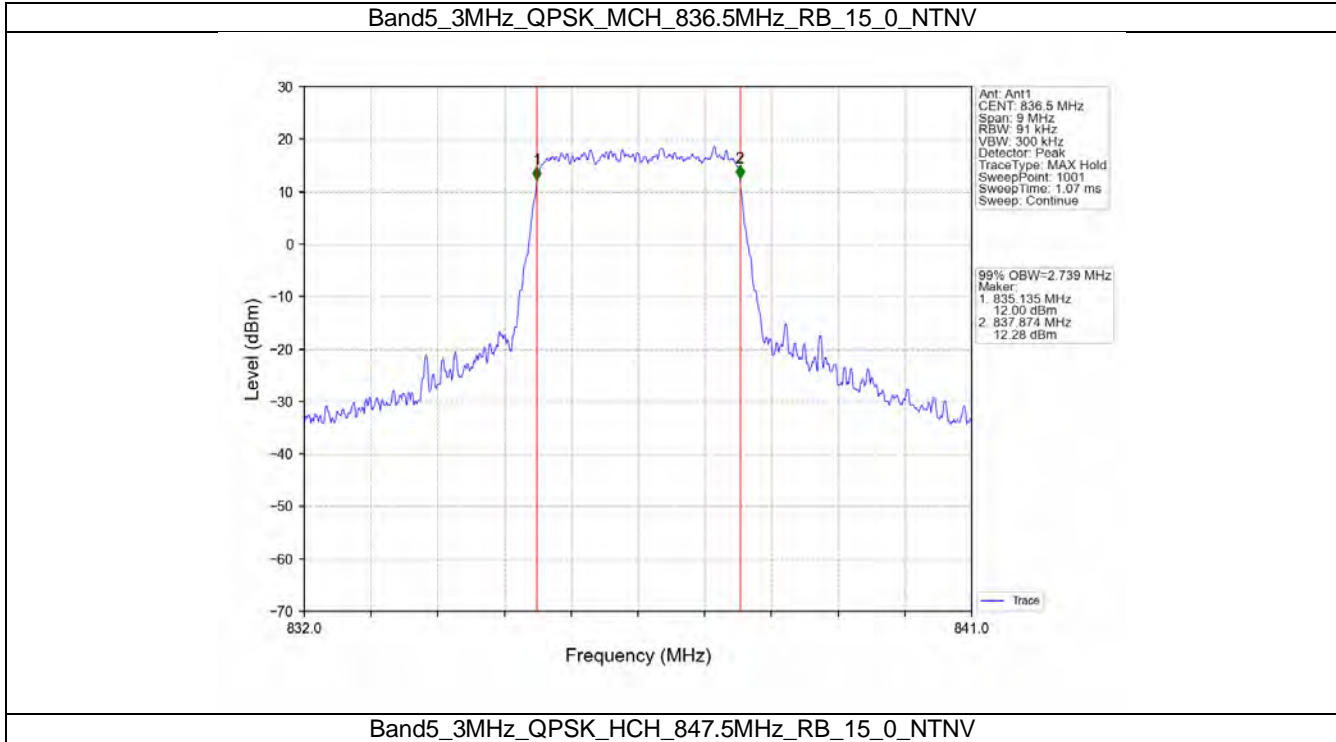


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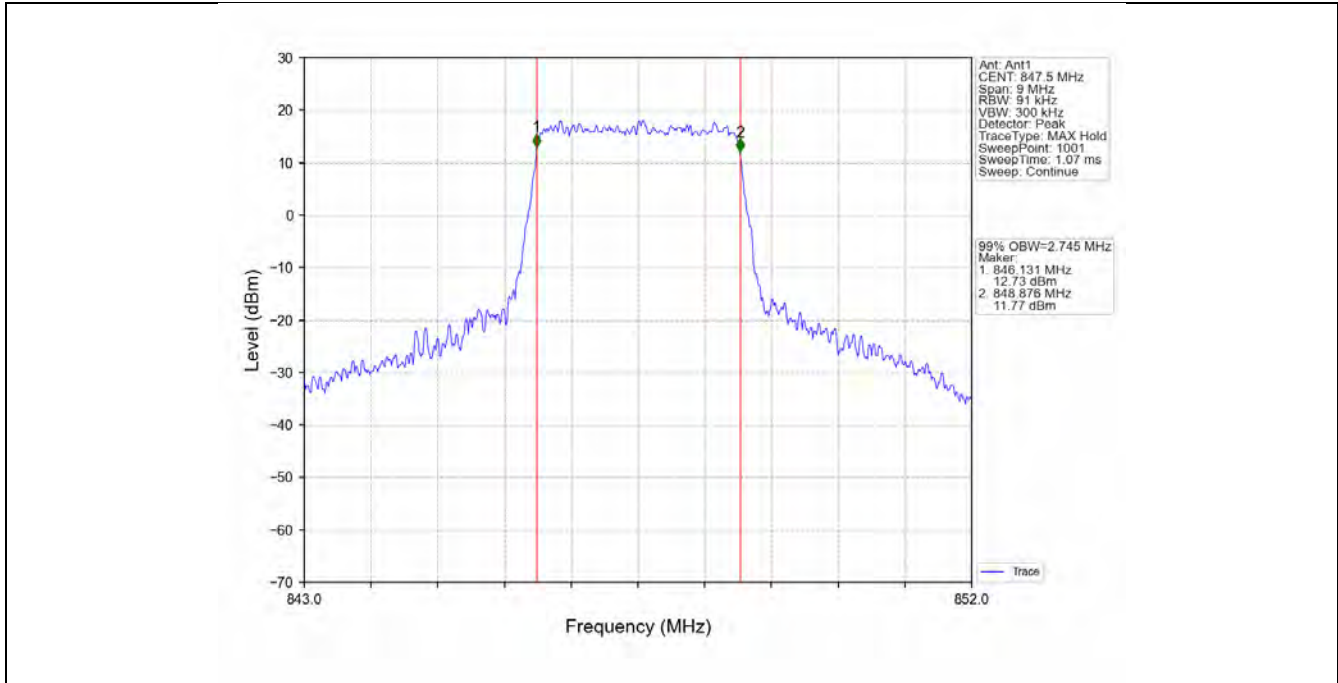


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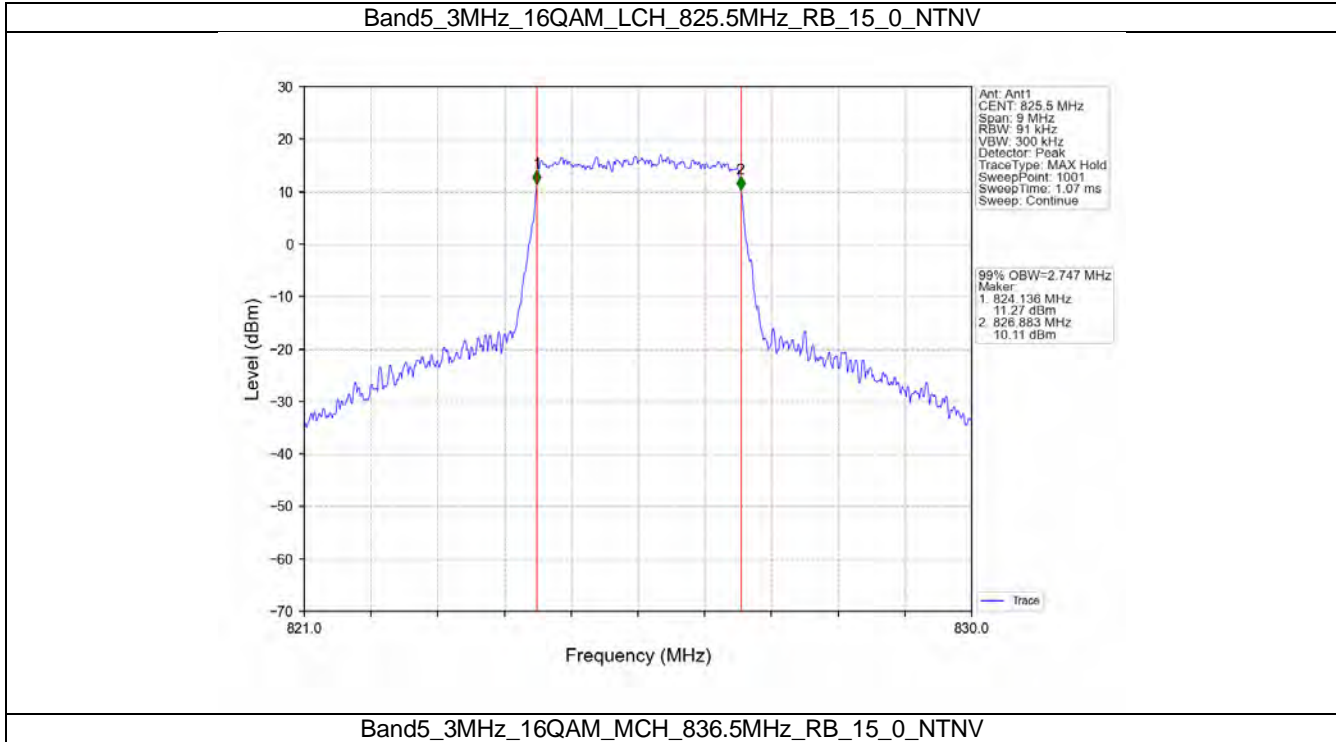


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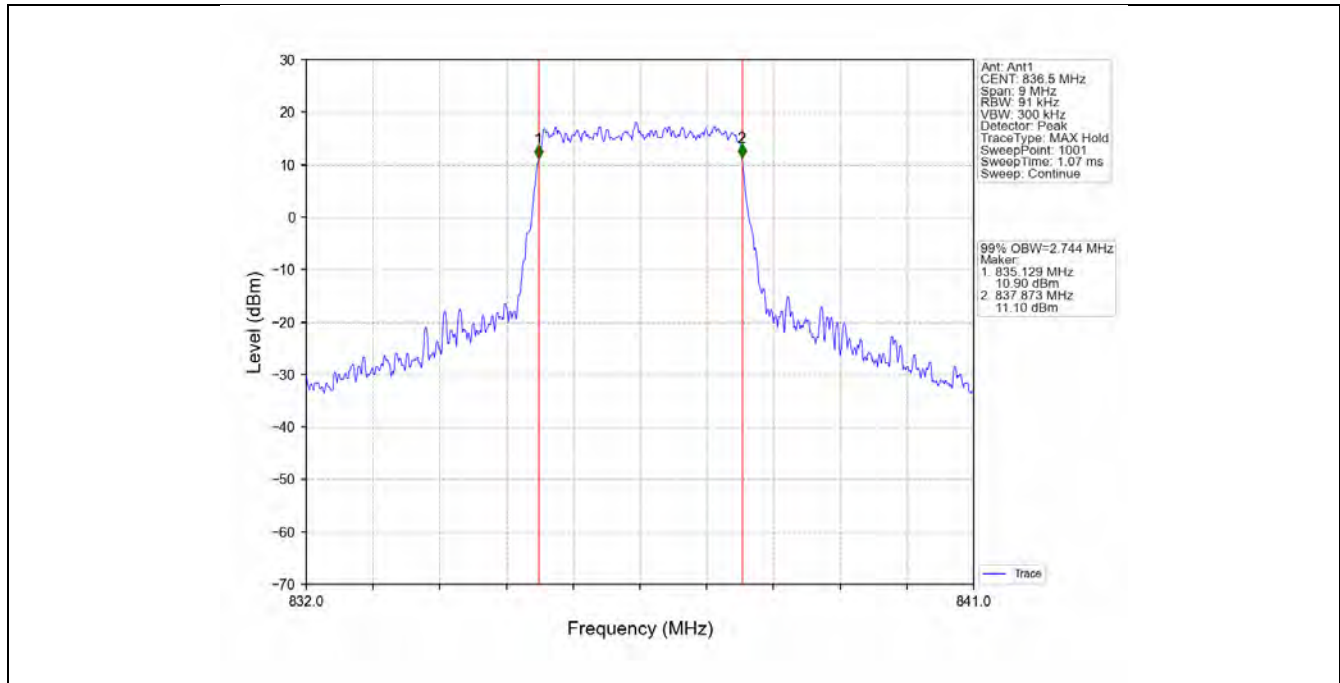


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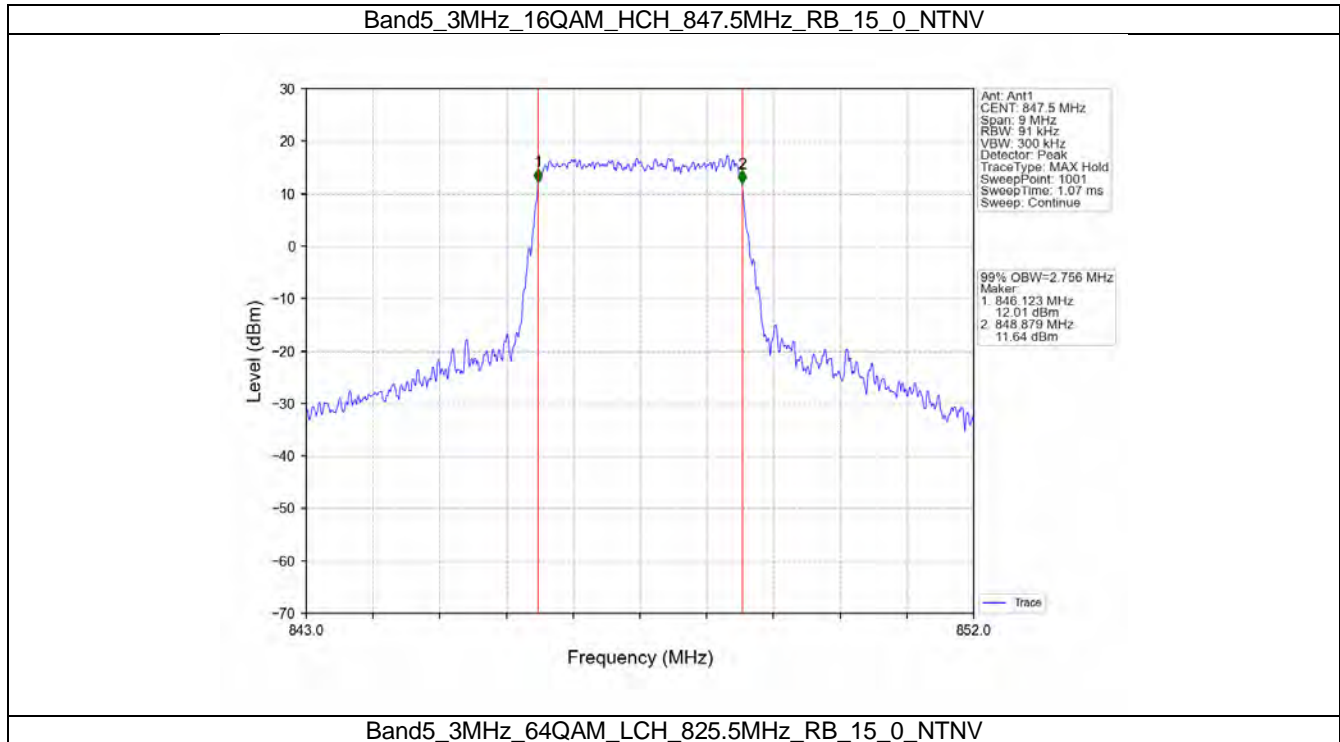


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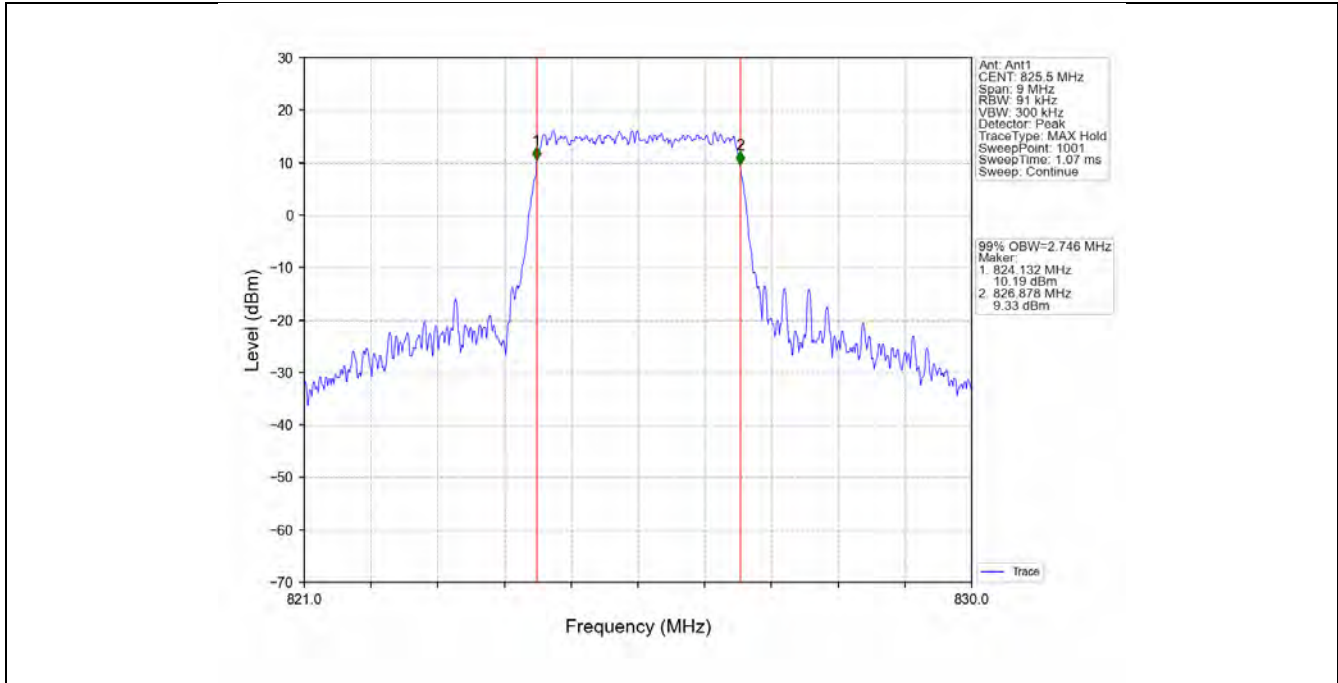


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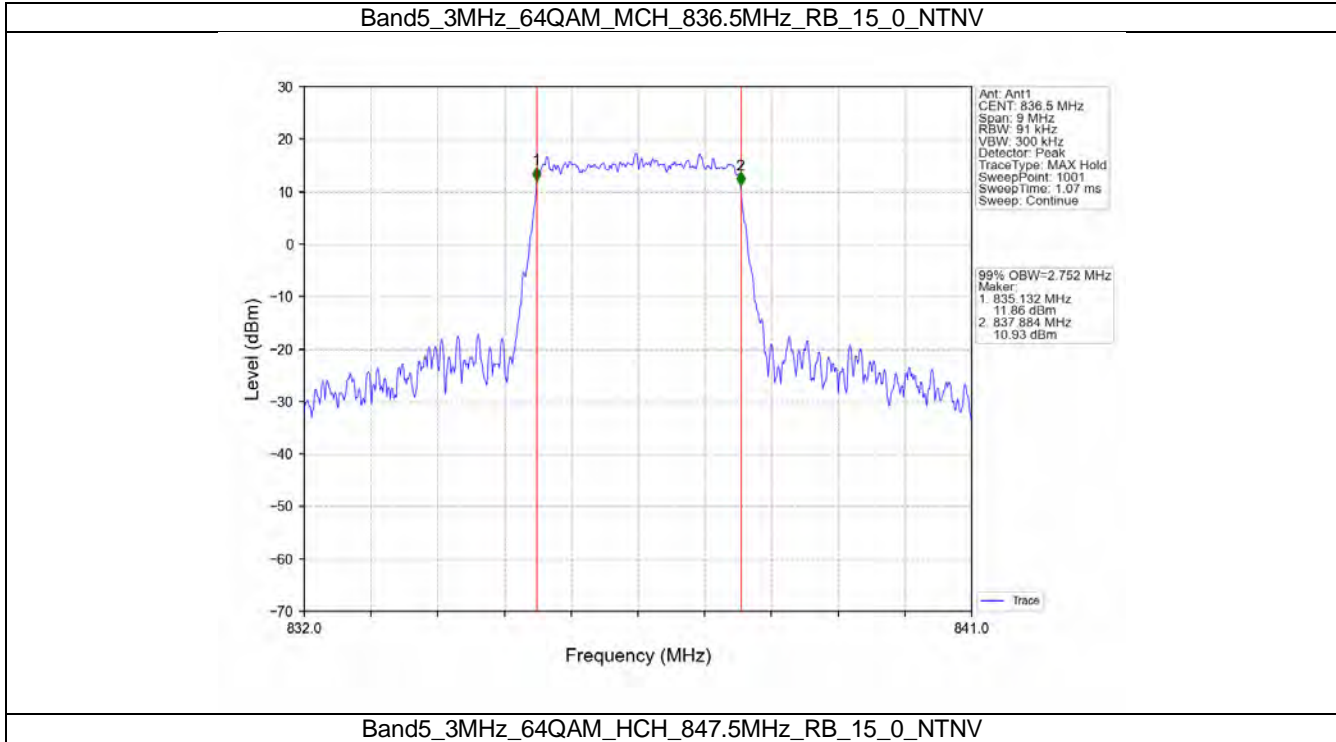


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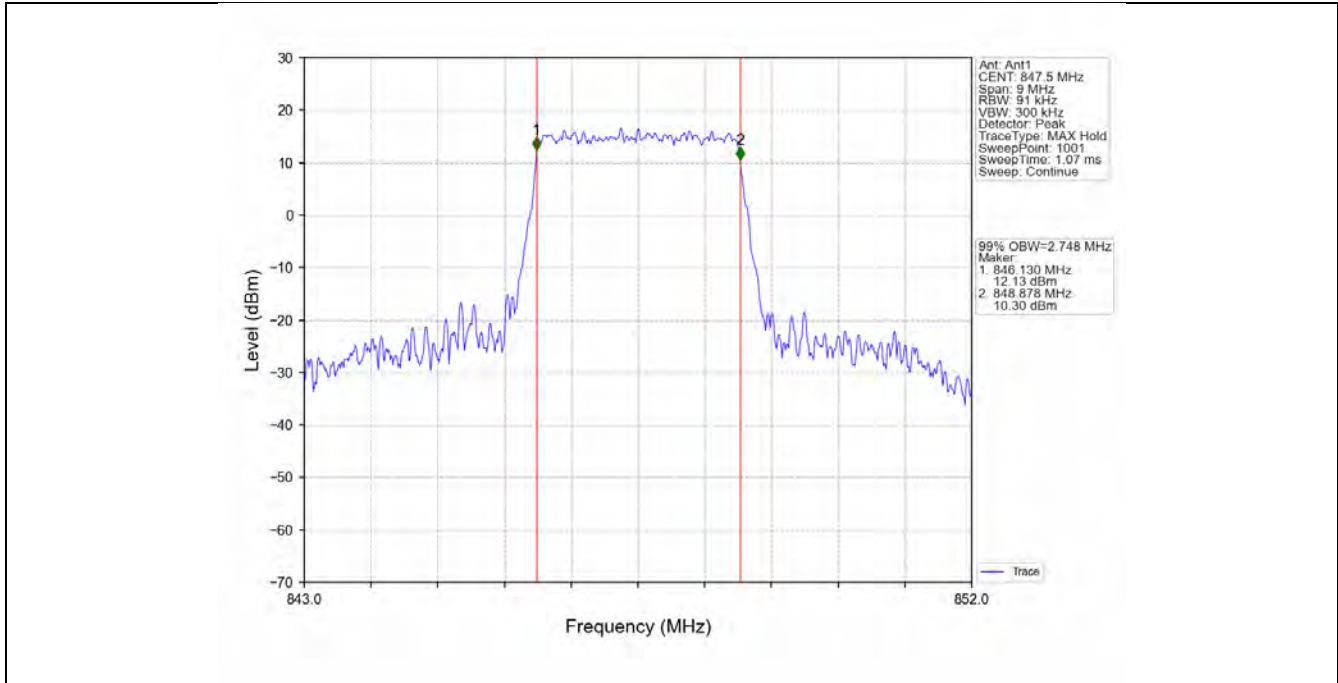


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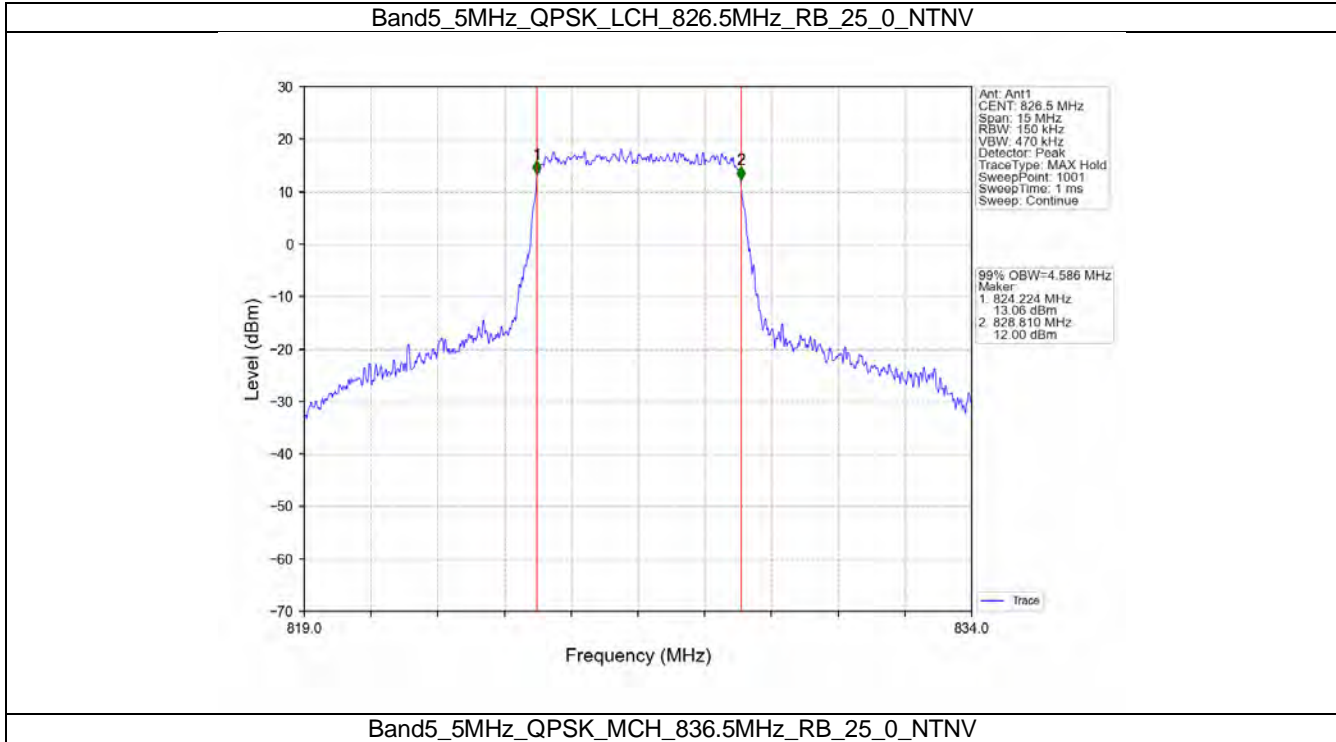


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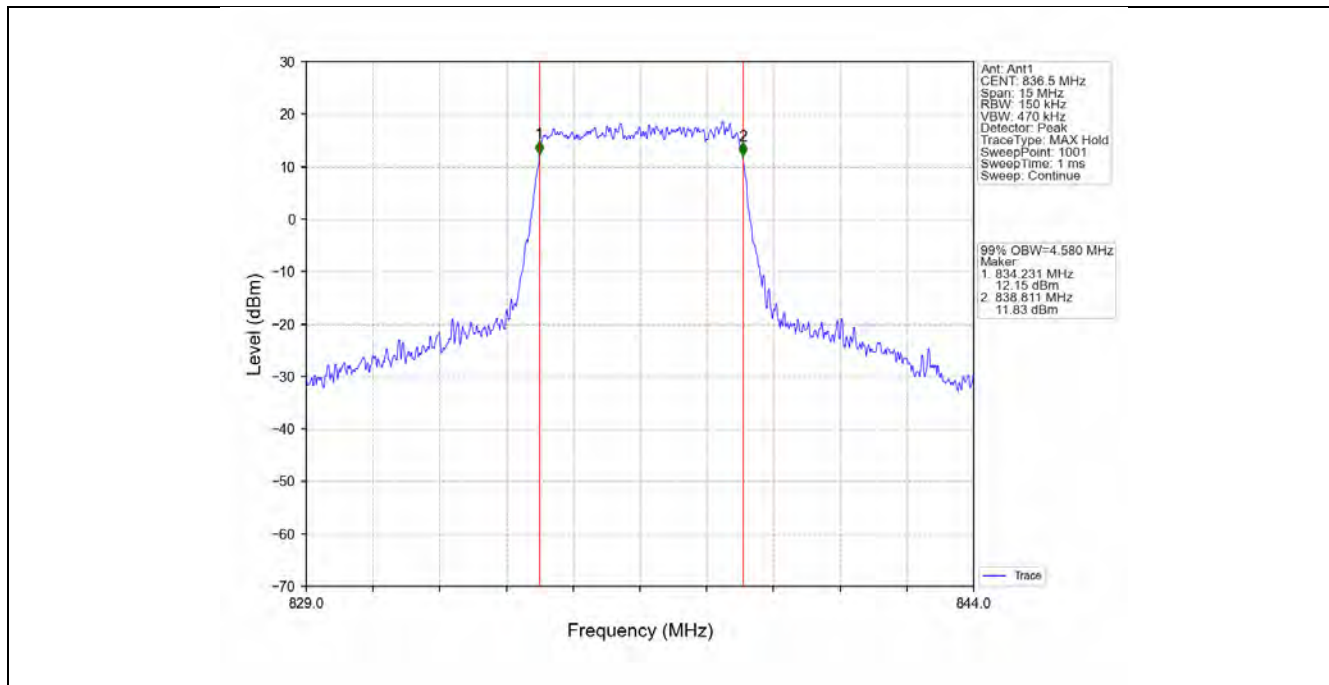
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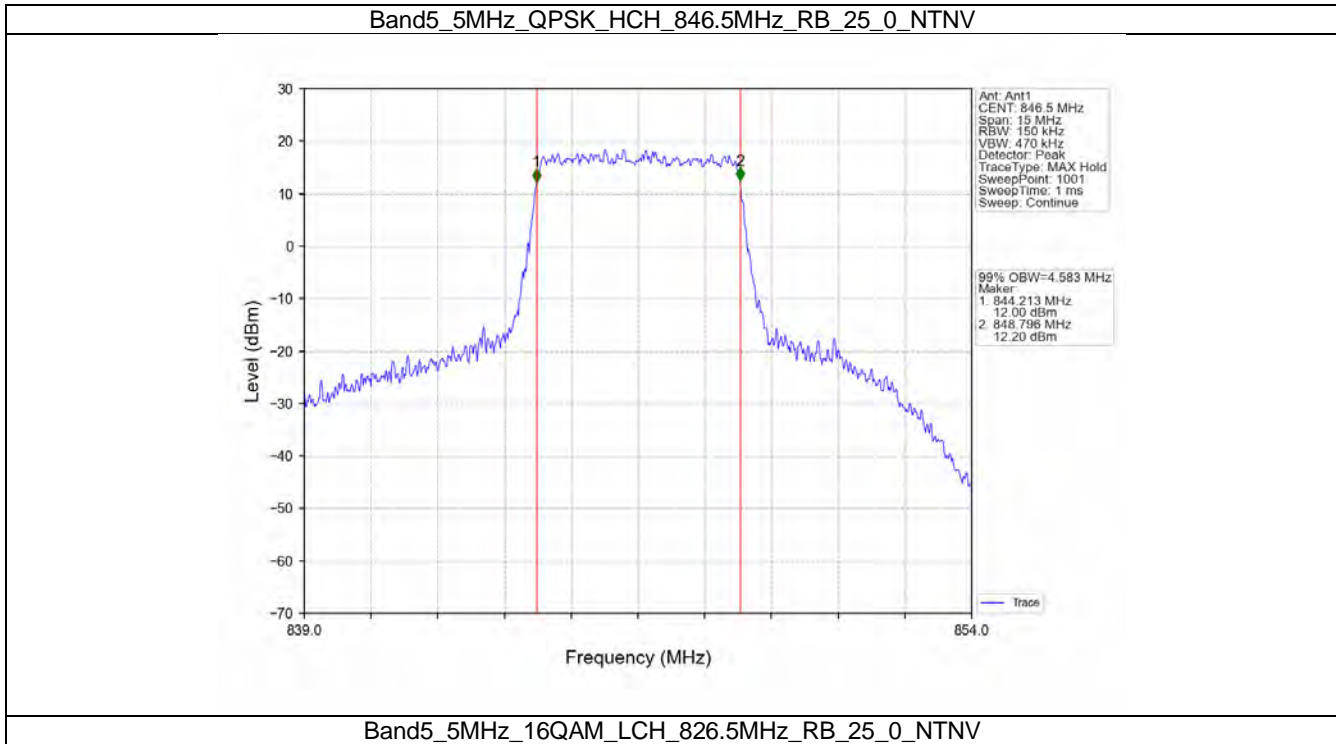


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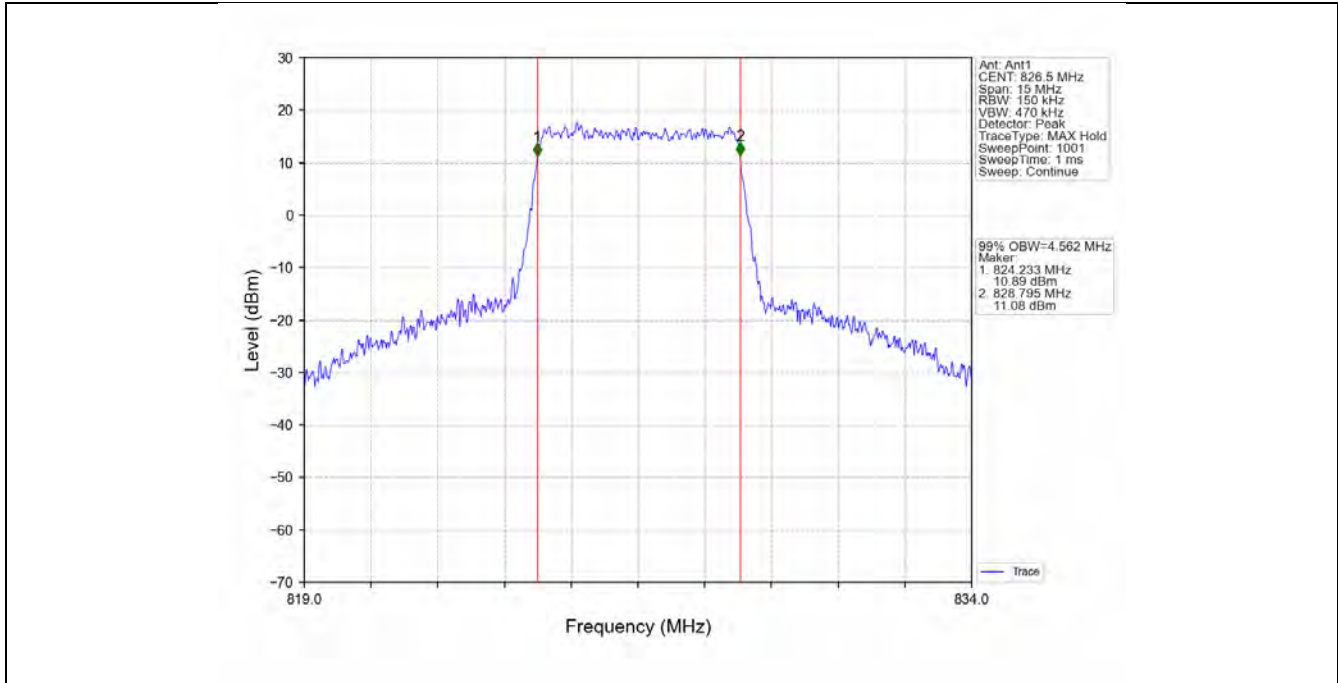


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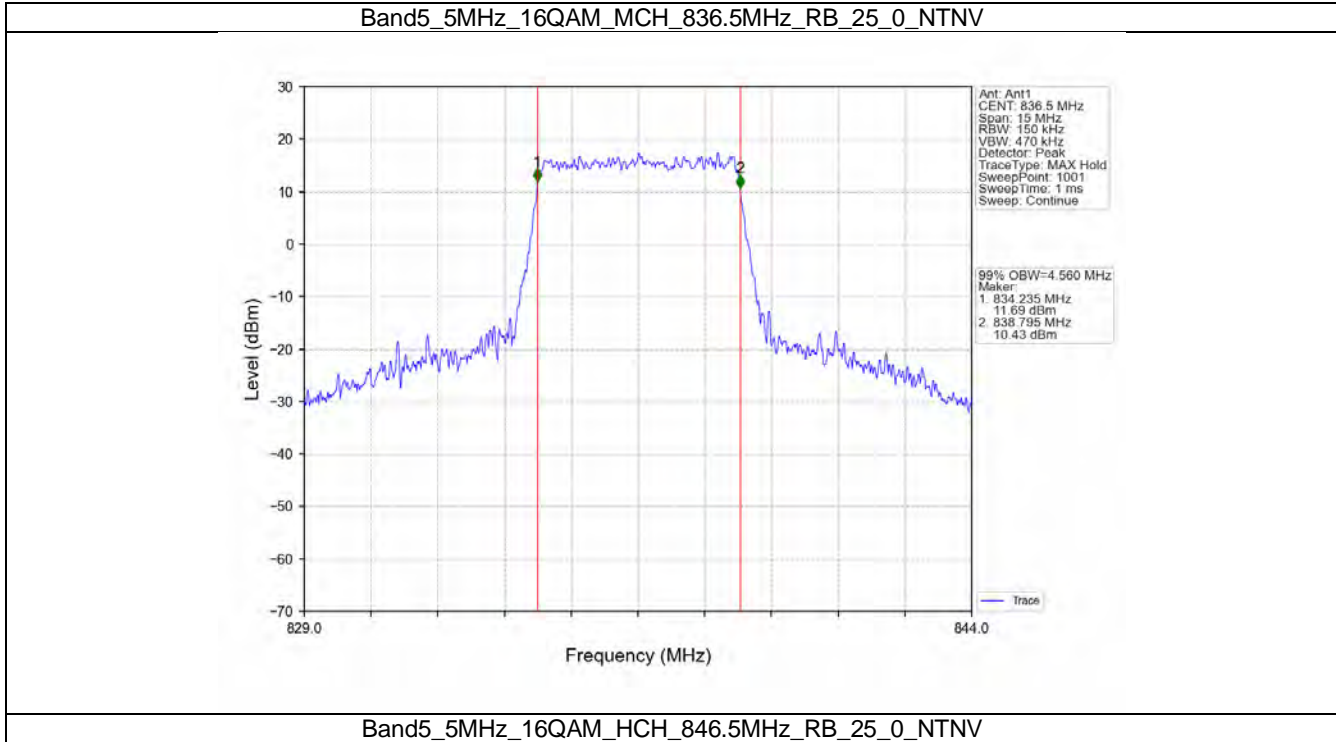


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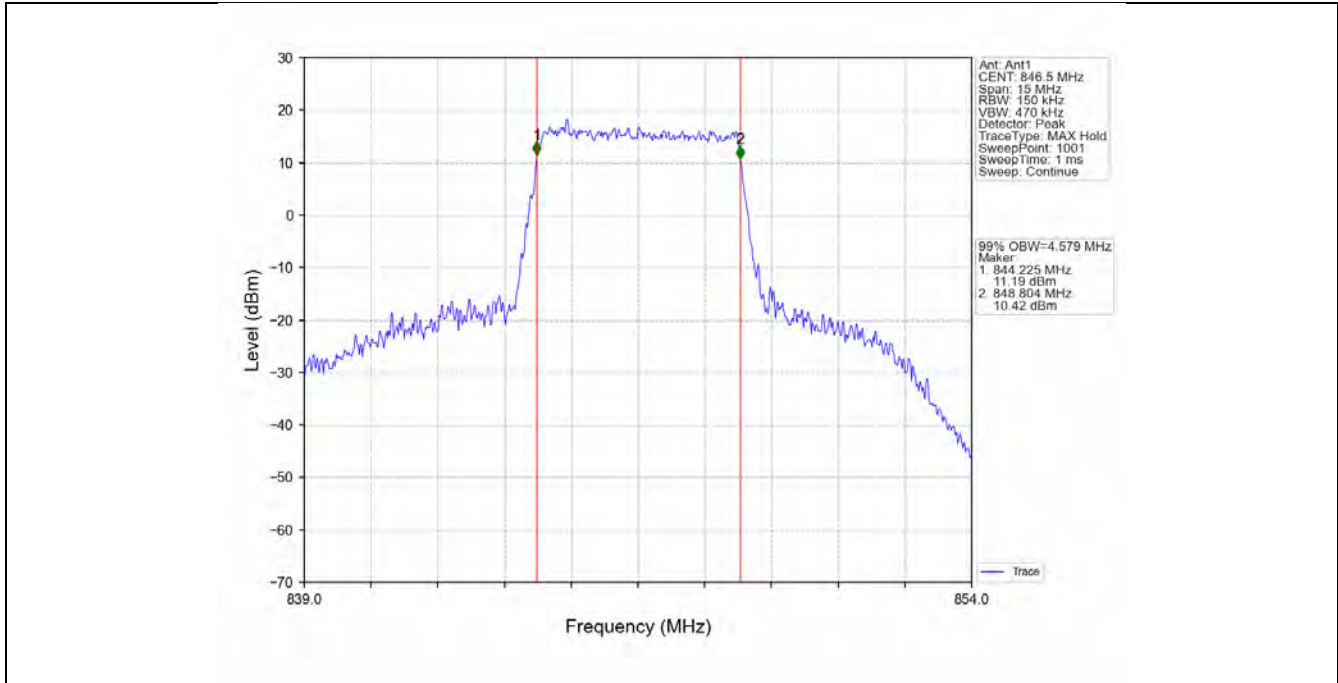


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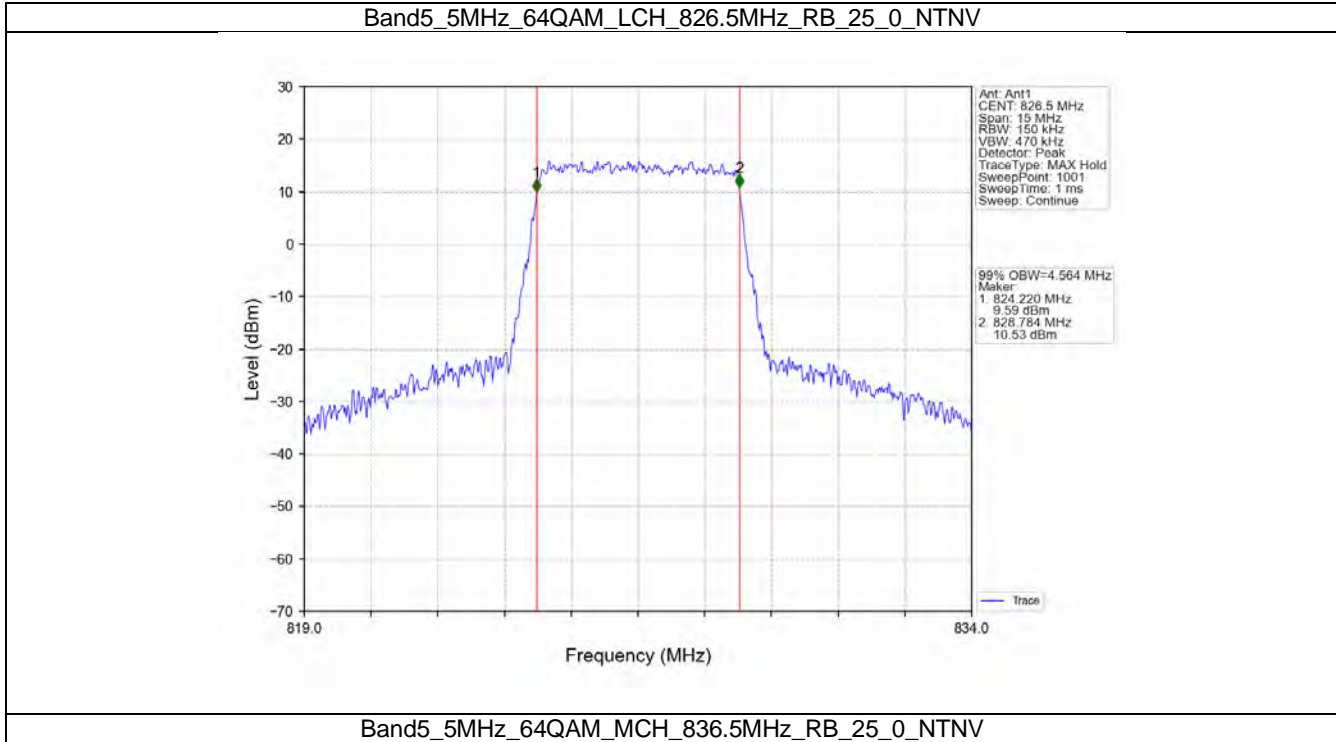


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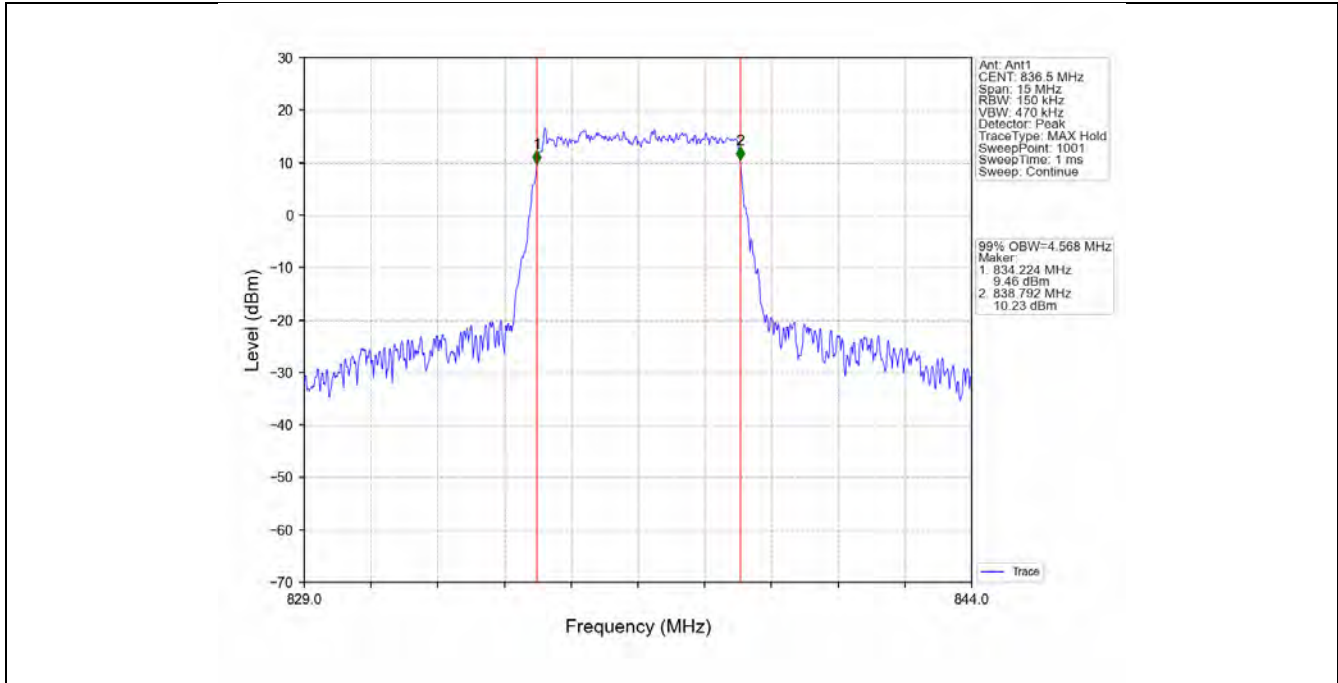


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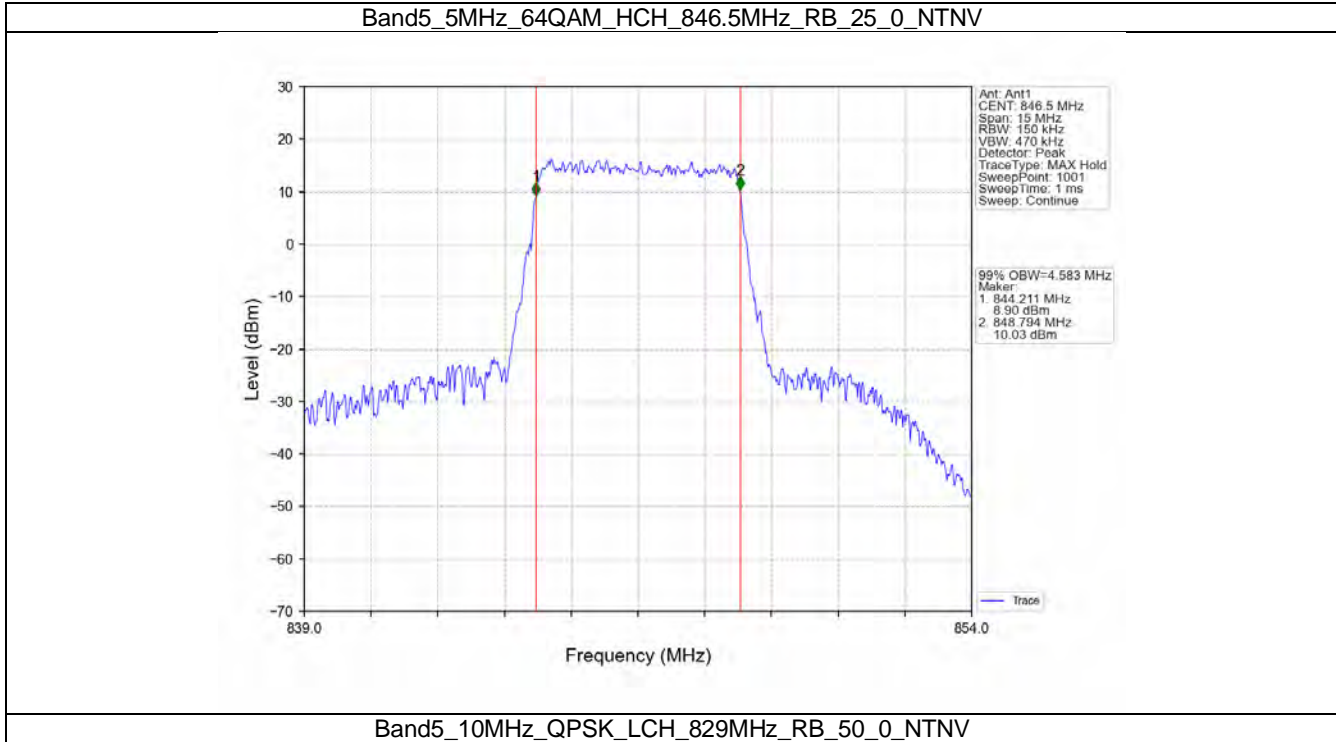


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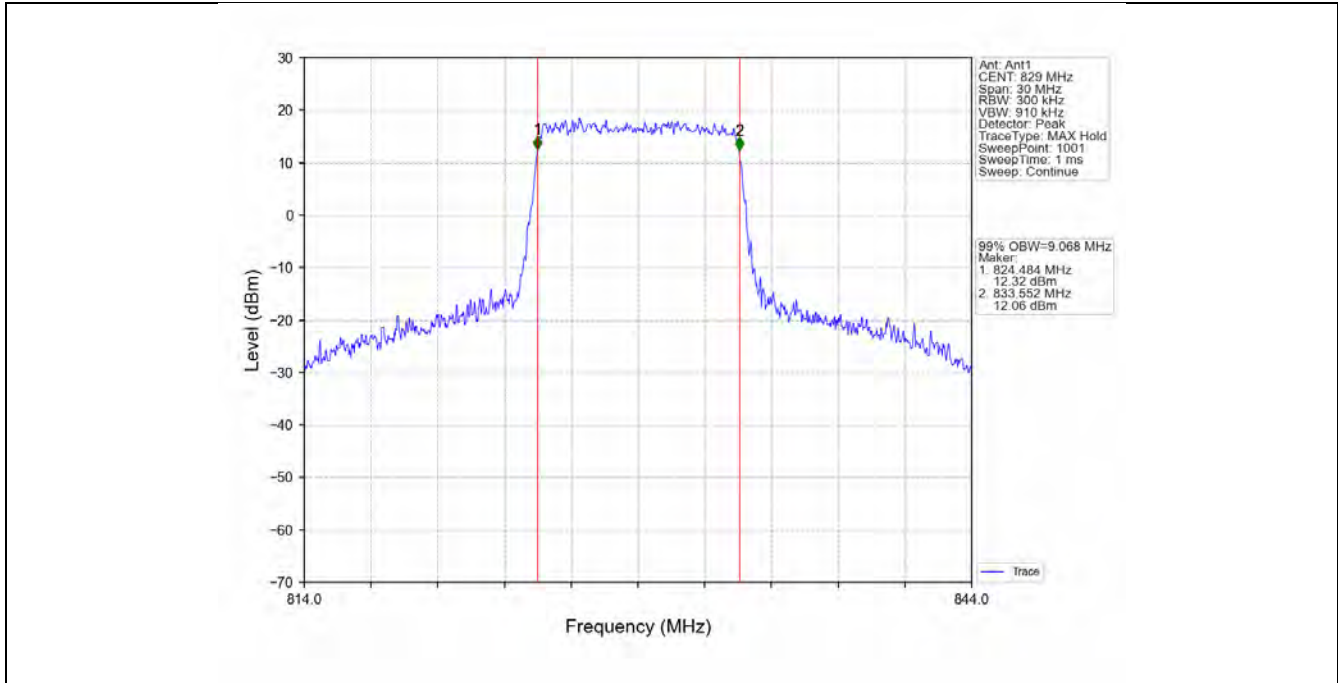


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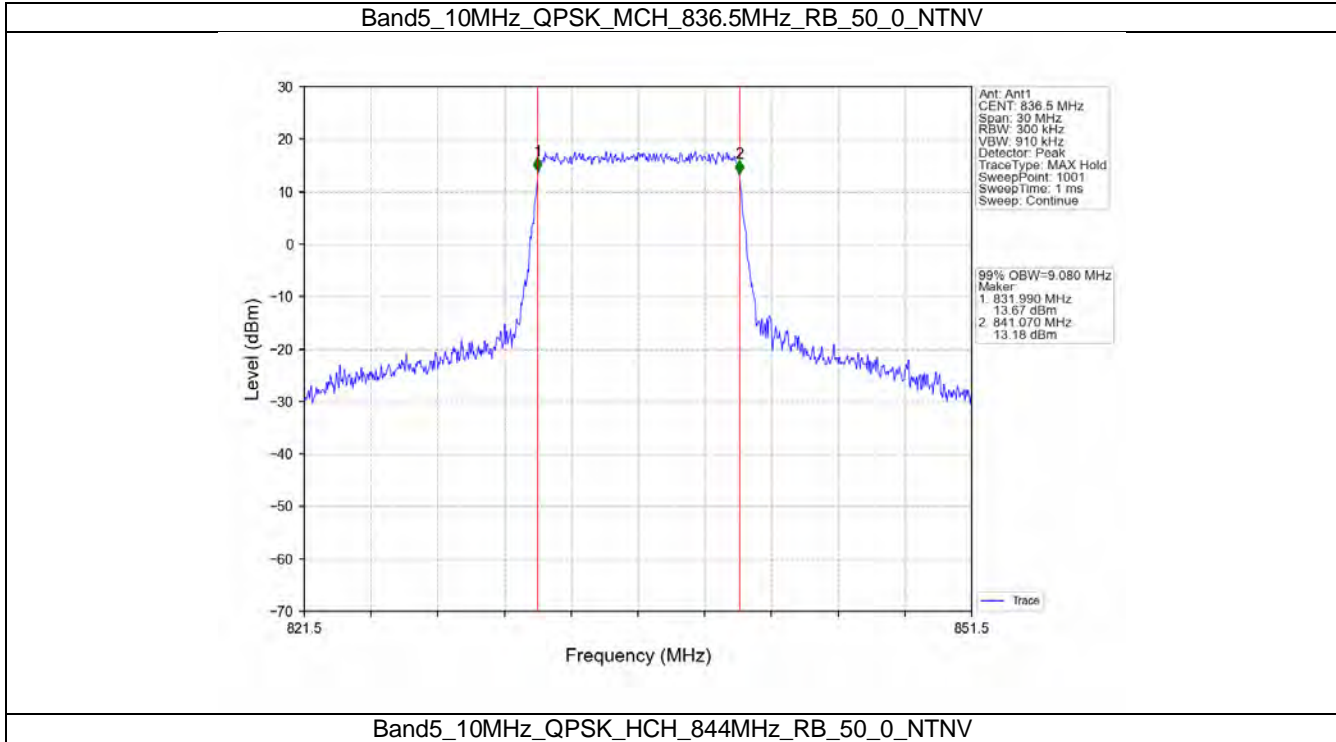


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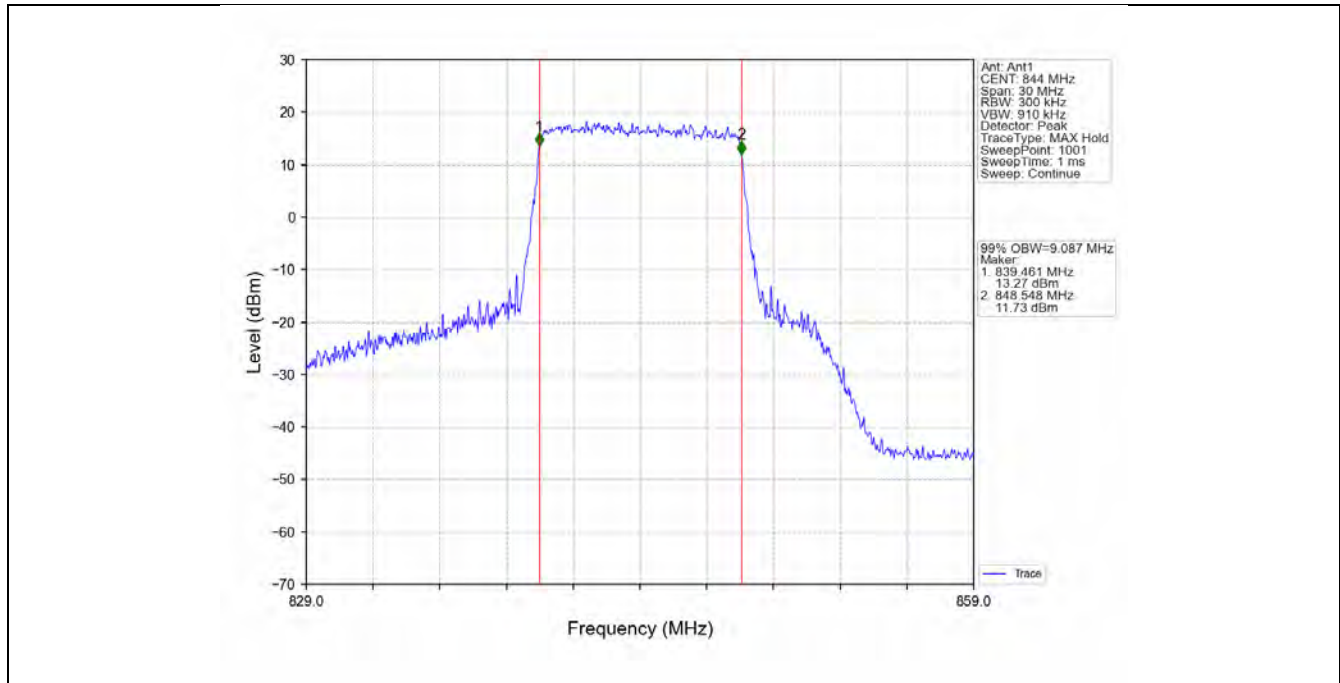


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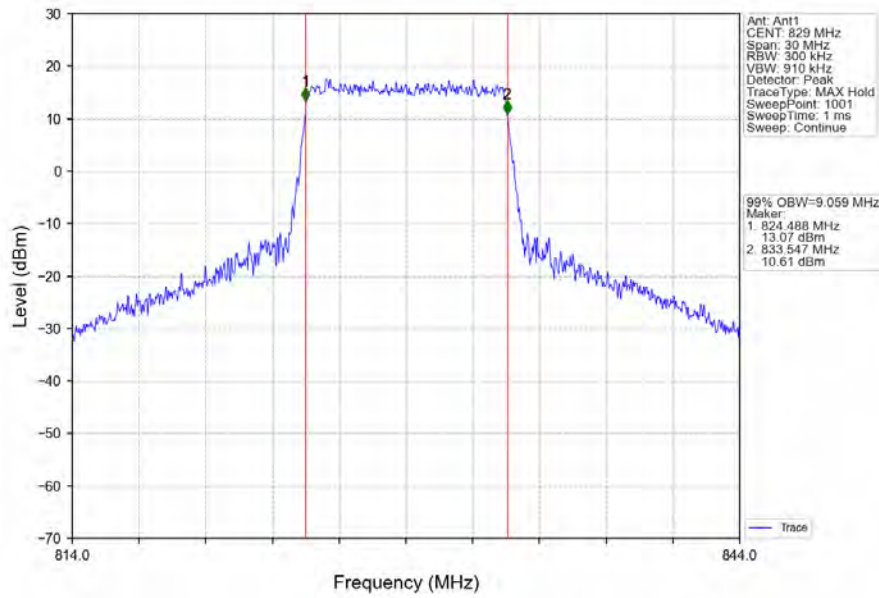
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Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



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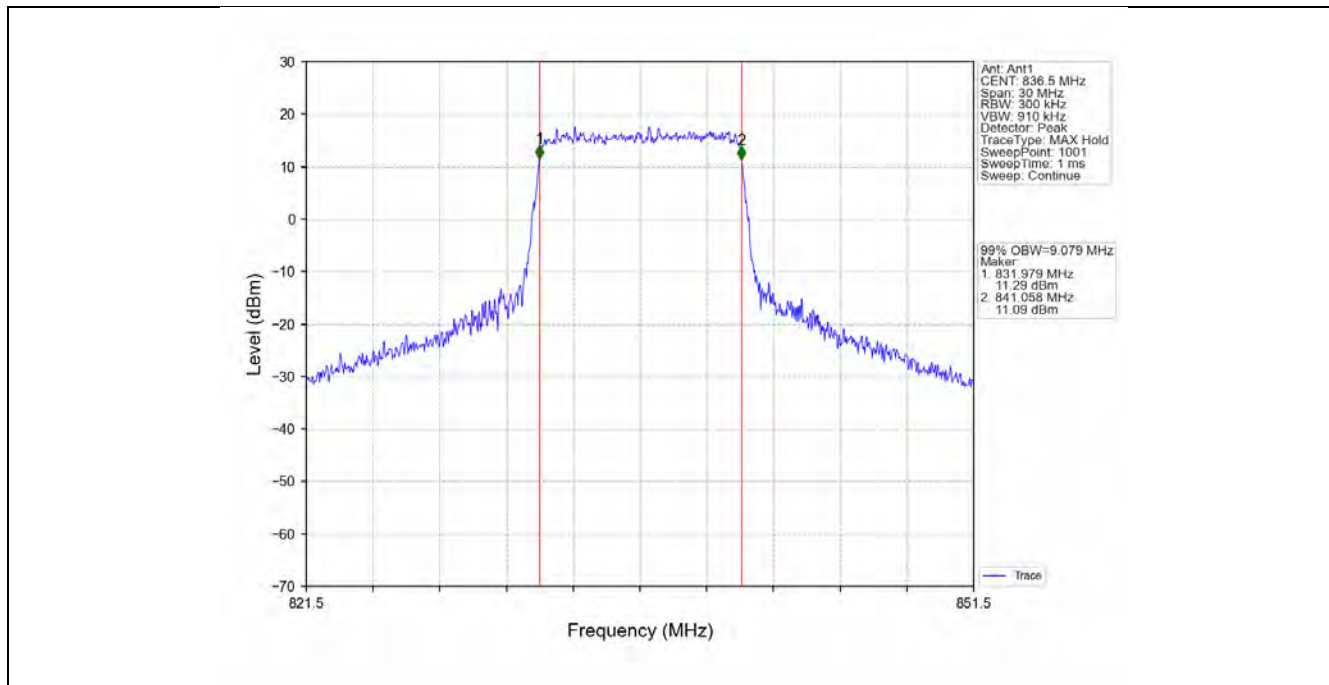
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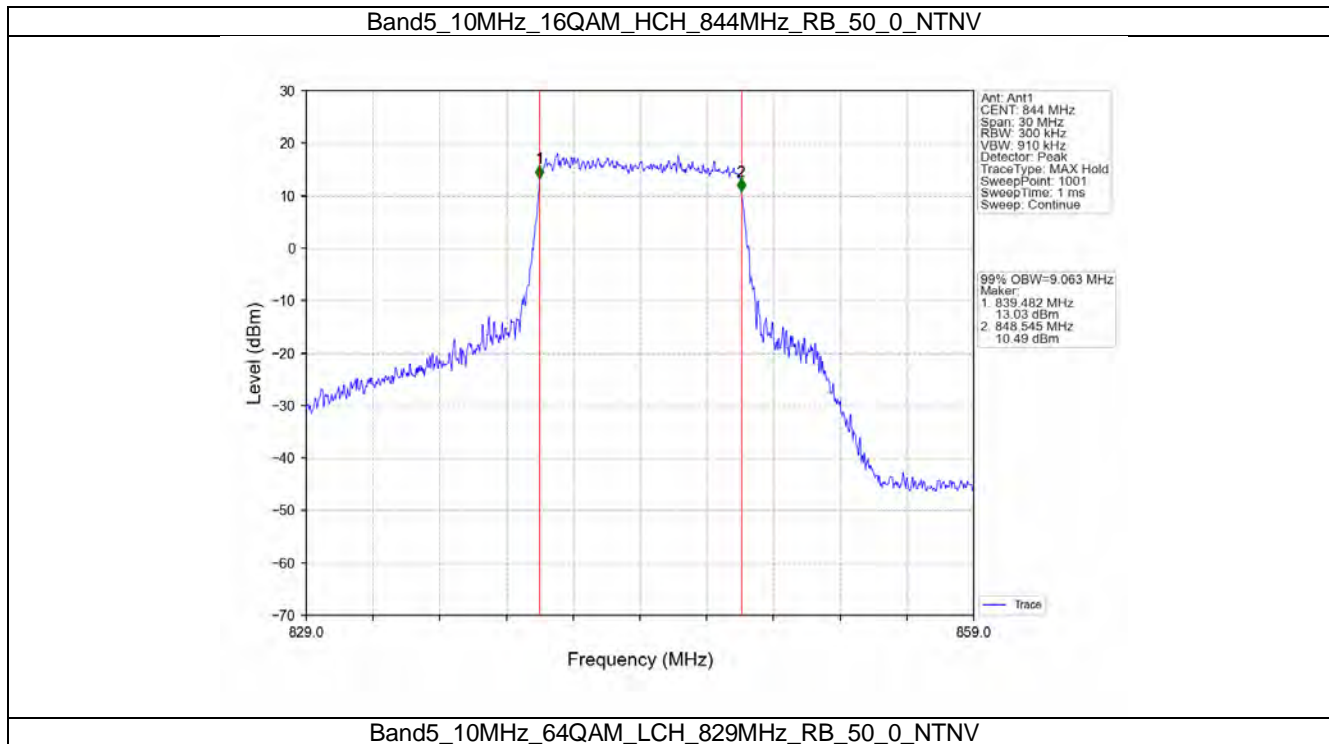
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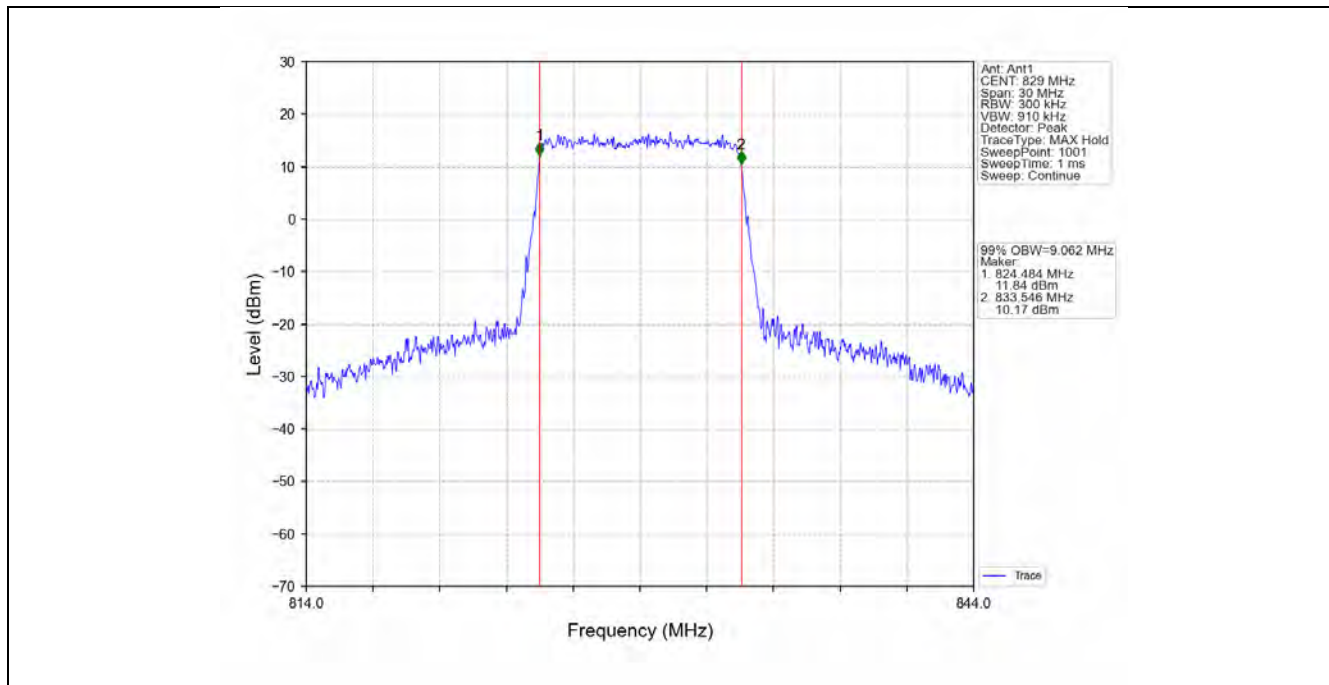
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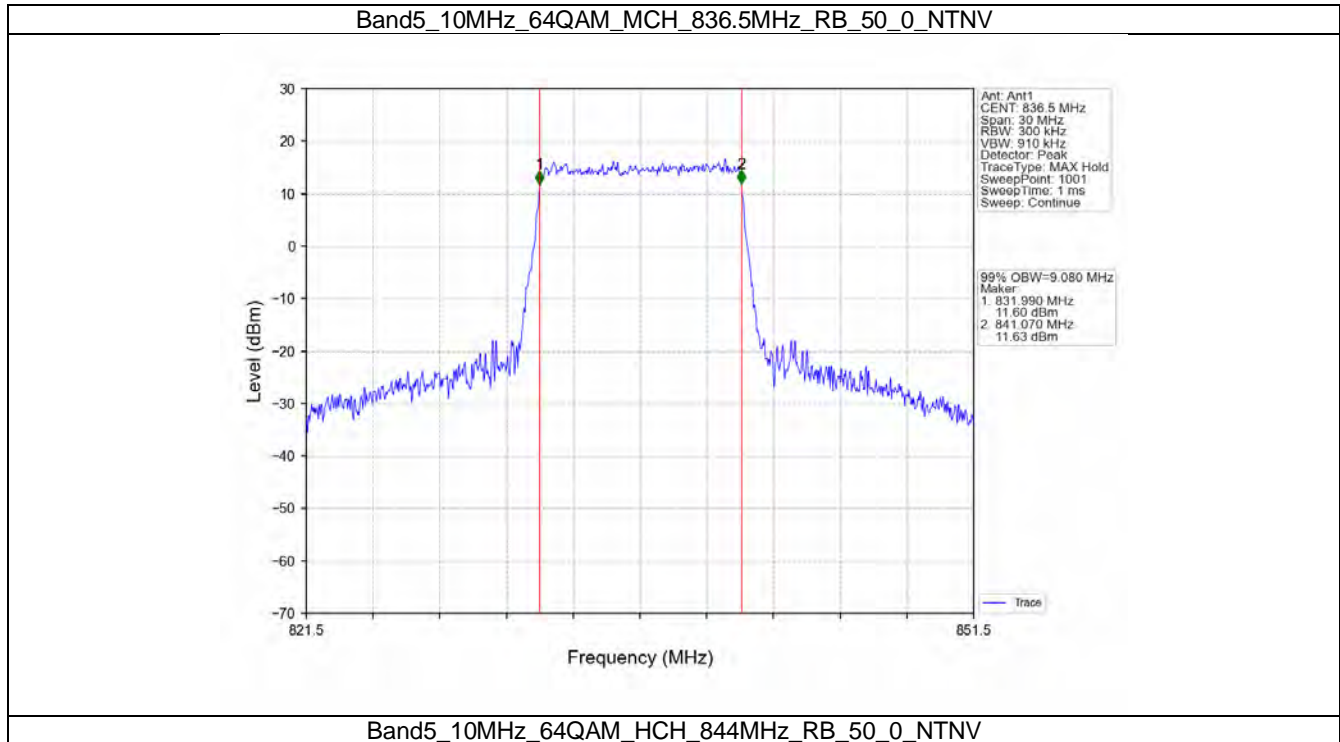


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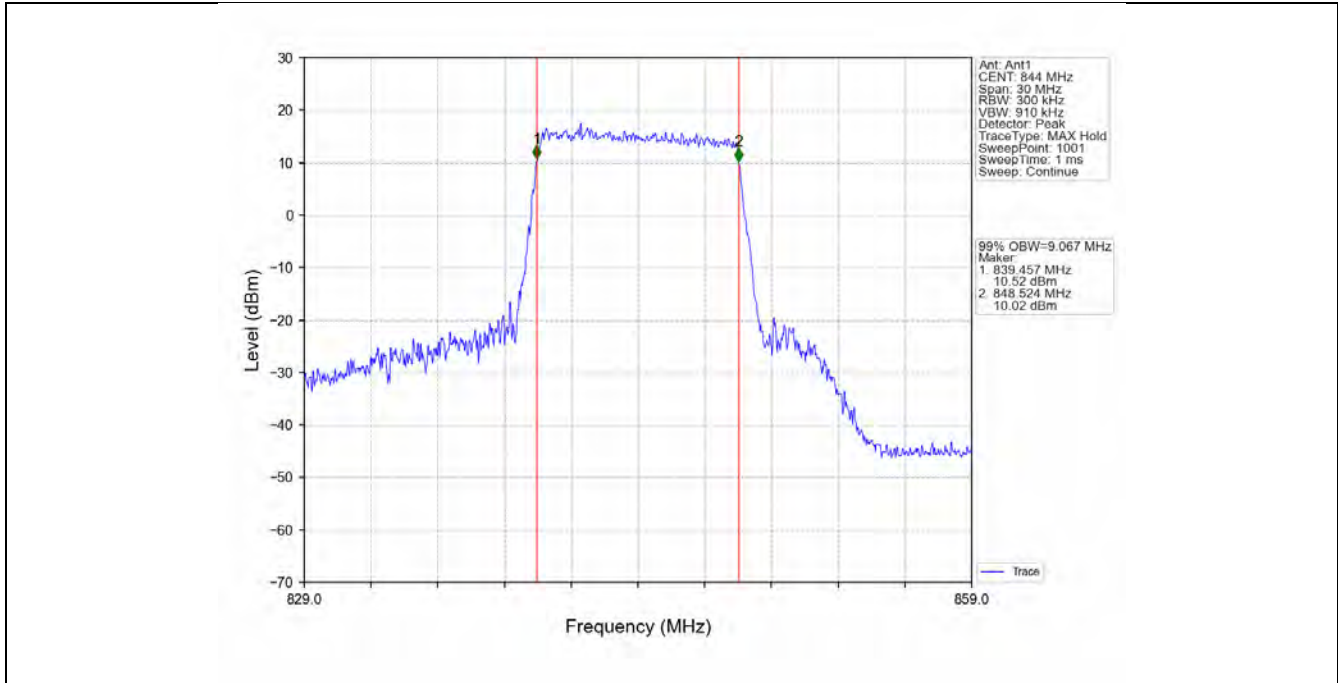


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3.2 Band5_XDB

3.2.1 Test Result

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.447	/	Pass
		836.5	6	0	1.424	/	Pass
		848.3	6	0	1.387	/	Pass
	16QAM	824.7	6	0	1.387	/	Pass
		836.5	6	0	1.403	/	Pass
		848.3	6	0	1.402	/	Pass
	64QAM	824.7	6	0	1.415	/	Pass
		836.5	6	0	1.401	/	Pass
		848.3	6	0	1.427	/	Pass
3	QPSK	825.5	15	0	3.148	/	Pass
		836.5	15	0	3.104	/	Pass
		847.5	15	0	3.114	/	Pass
	16QAM	825.5	15	0	3.133	/	Pass
		836.5	15	0	3.123	/	Pass
		847.5	15	0	3.178	/	Pass
	64QAM	825.5	15	0	3.109	/	Pass
		836.5	15	0	3.130	/	Pass
		847.5	15	0	3.128	/	Pass
5	QPSK	826.5	25	0	5.308	/	Pass
		836.5	25	0	5.247	/	Pass
		846.5	25	0	5.250	/	Pass
	16QAM	826.5	25	0	5.225	/	Pass
		836.5	25	0	5.288	/	Pass
		846.5	25	0	5.205	/	Pass
	64QAM	826.5	25	0	5.308	/	Pass
		836.5	25	0	5.262	/	Pass
		846.5	25	0	5.208	/	Pass
10	QPSK	829	50	0	10.138	/	Pass
		836.5	50	0	10.280	/	Pass
		844	50	0	10.255	/	Pass
	16QAM	829	50	0	10.257	/	Pass
		836.5	50	0	10.100	/	Pass
		844	50	0	10.245	/	Pass
	64QAM	829	50	0	10.251	/	Pass
		836.5	50	0	10.228	/	Pass
		844	50	0	10.136	/	Pass



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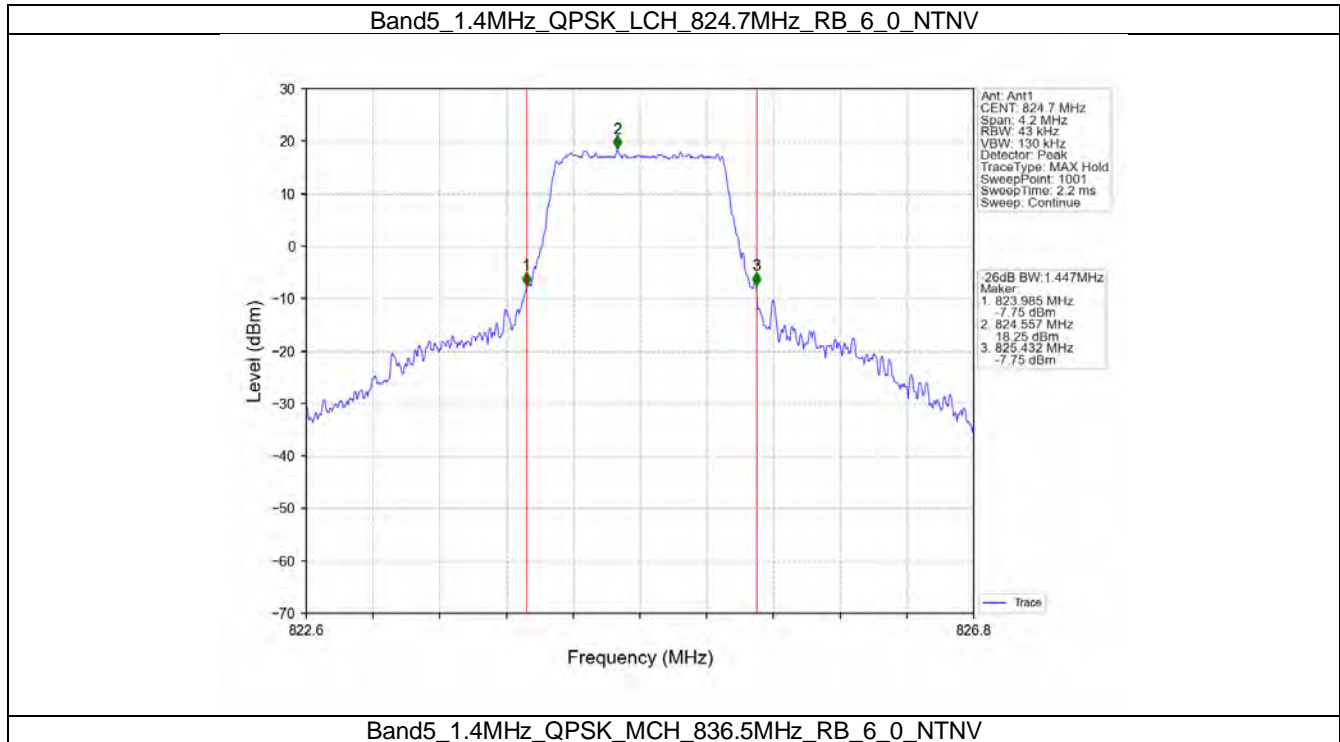
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3.2.2 Test Graph



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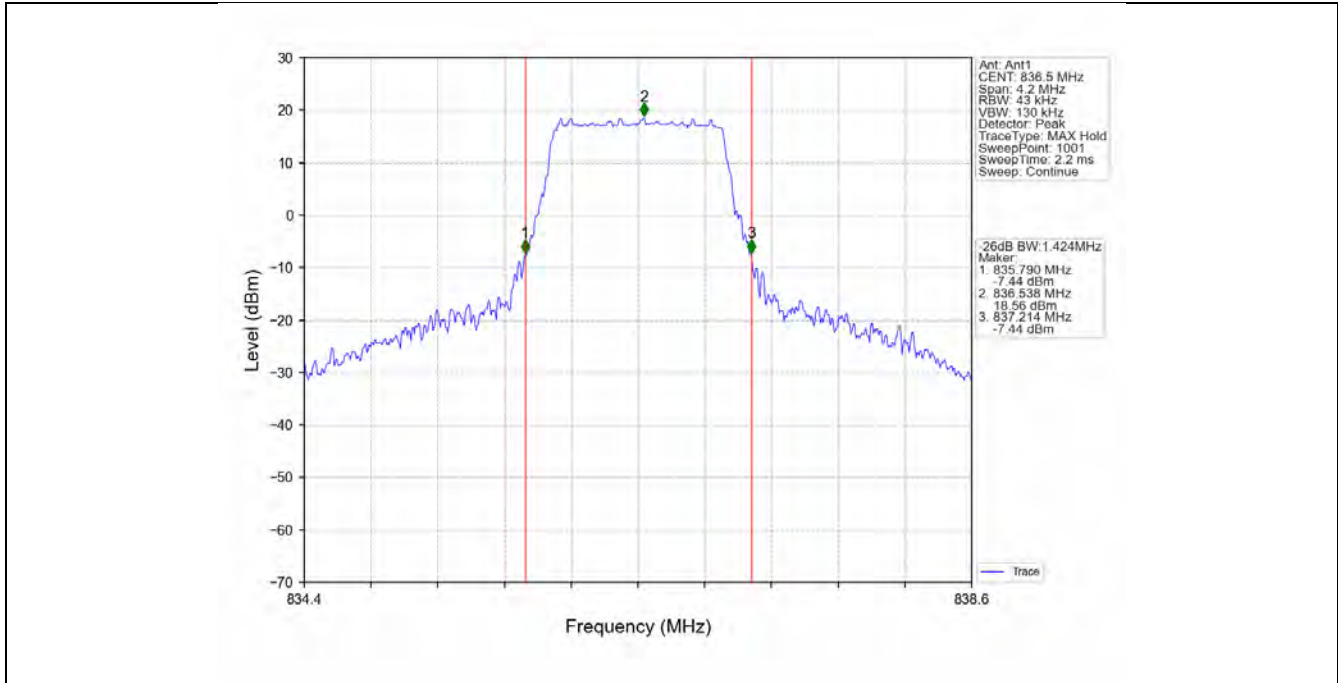


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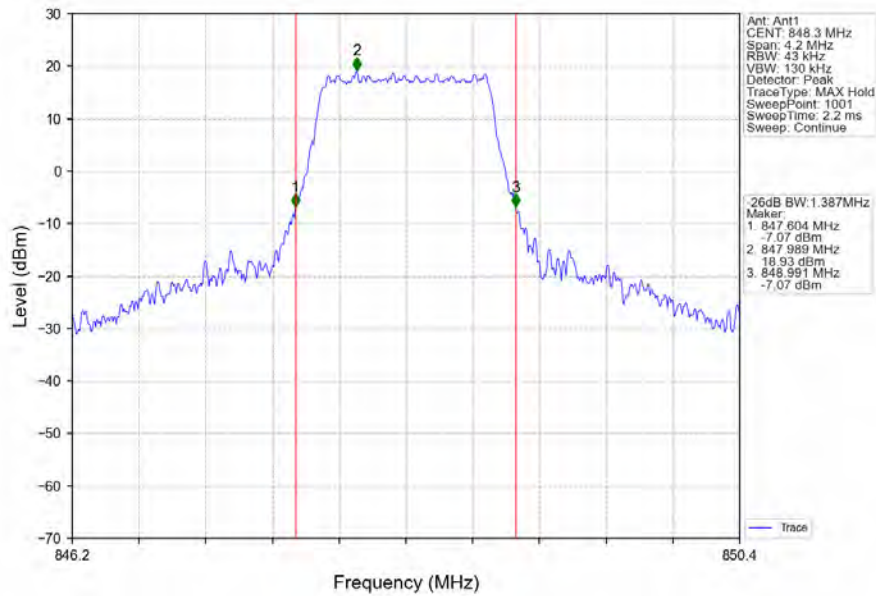
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Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



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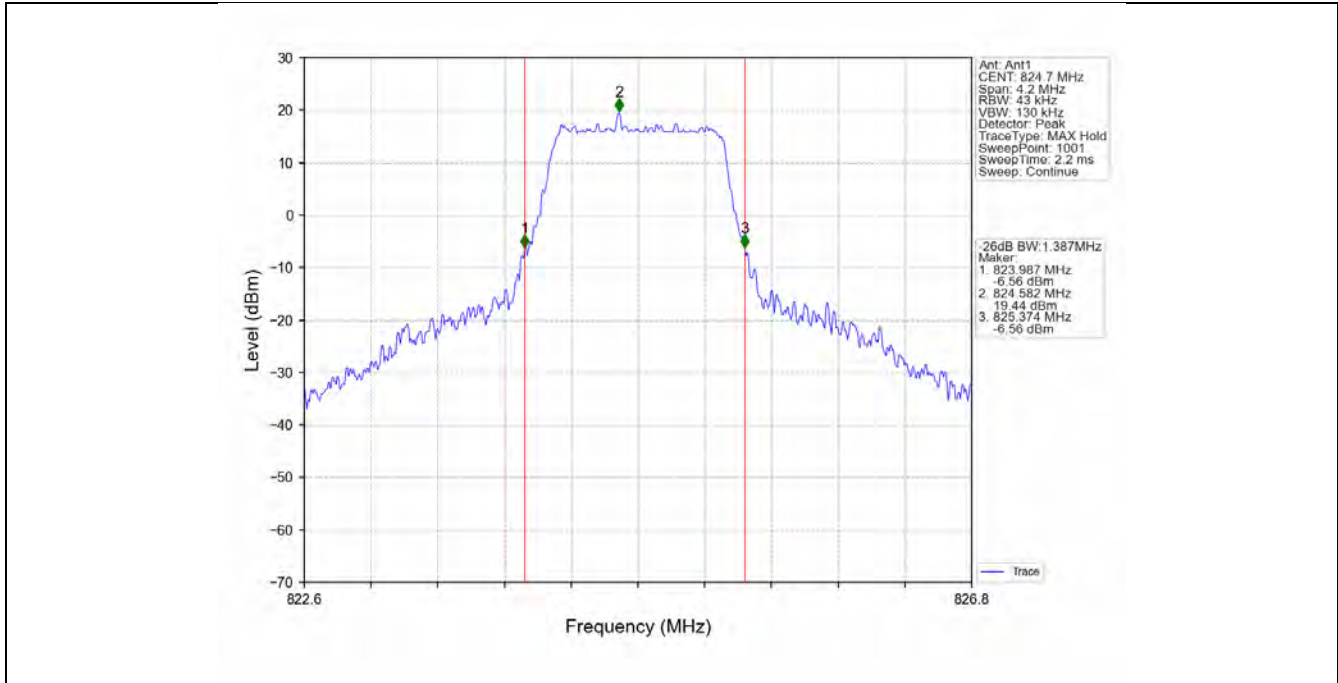


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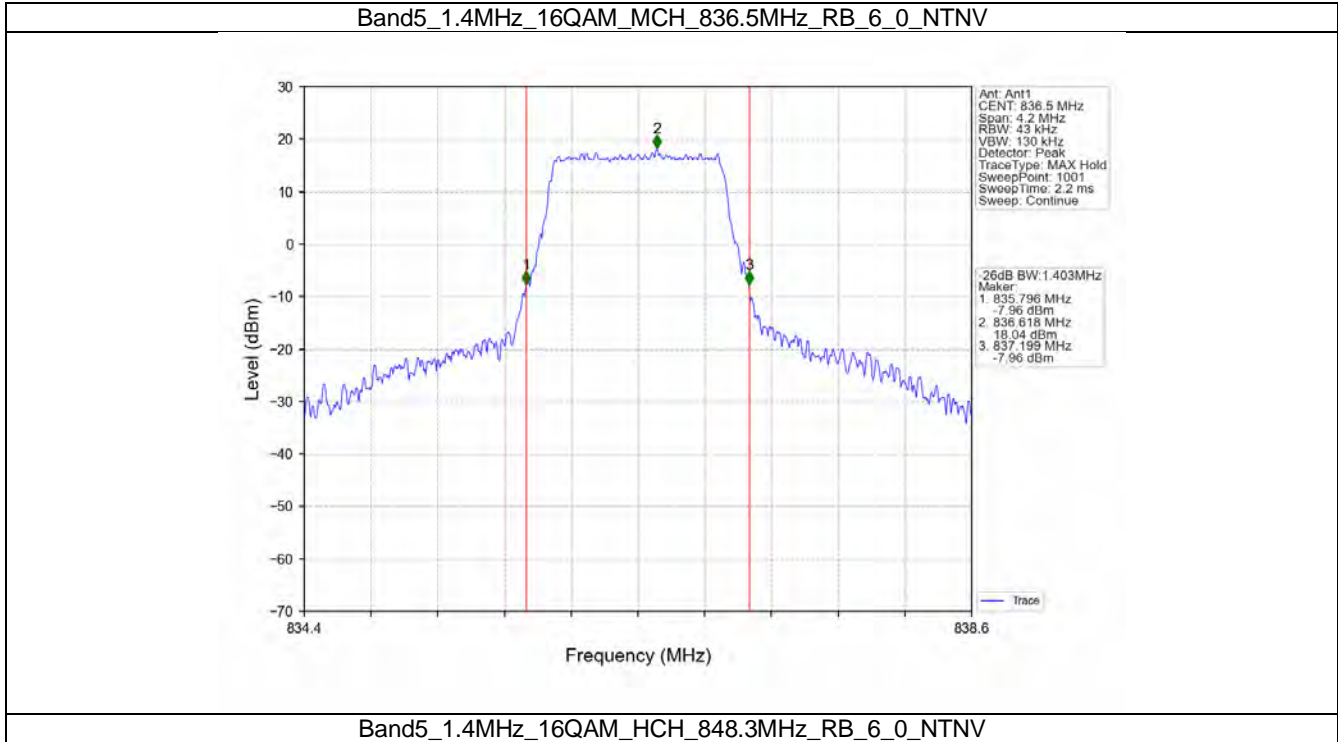


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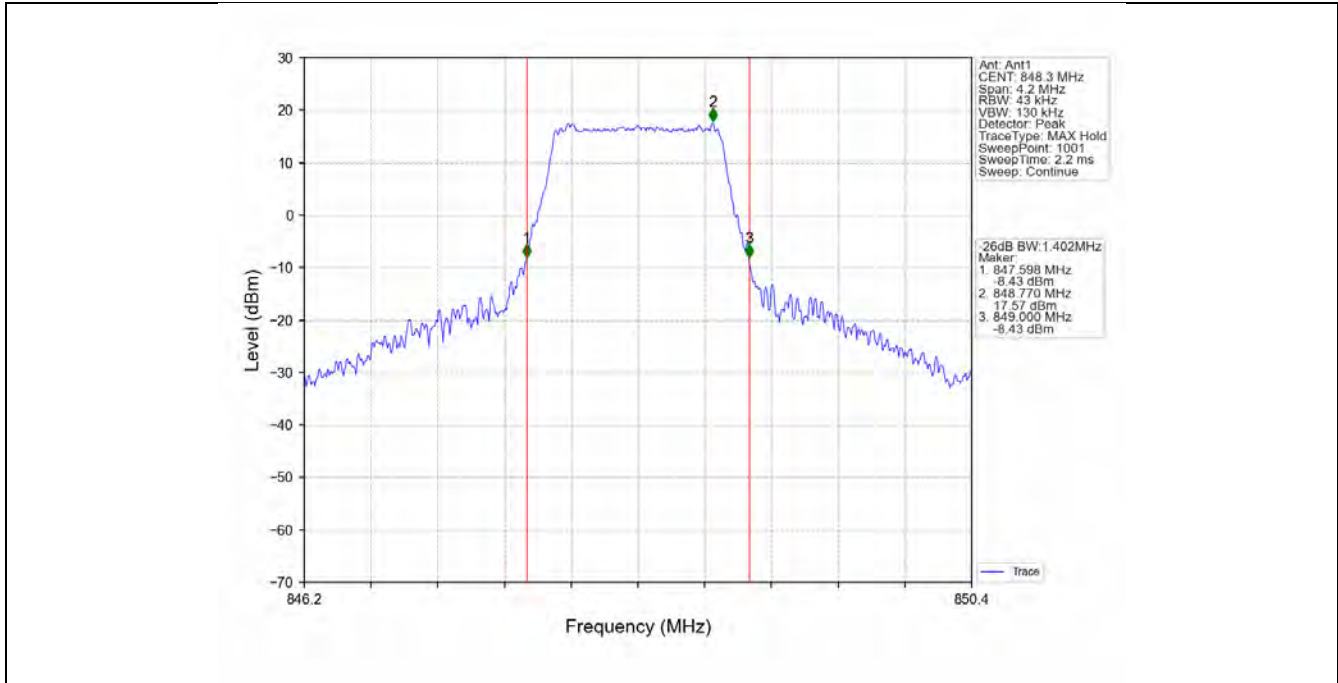


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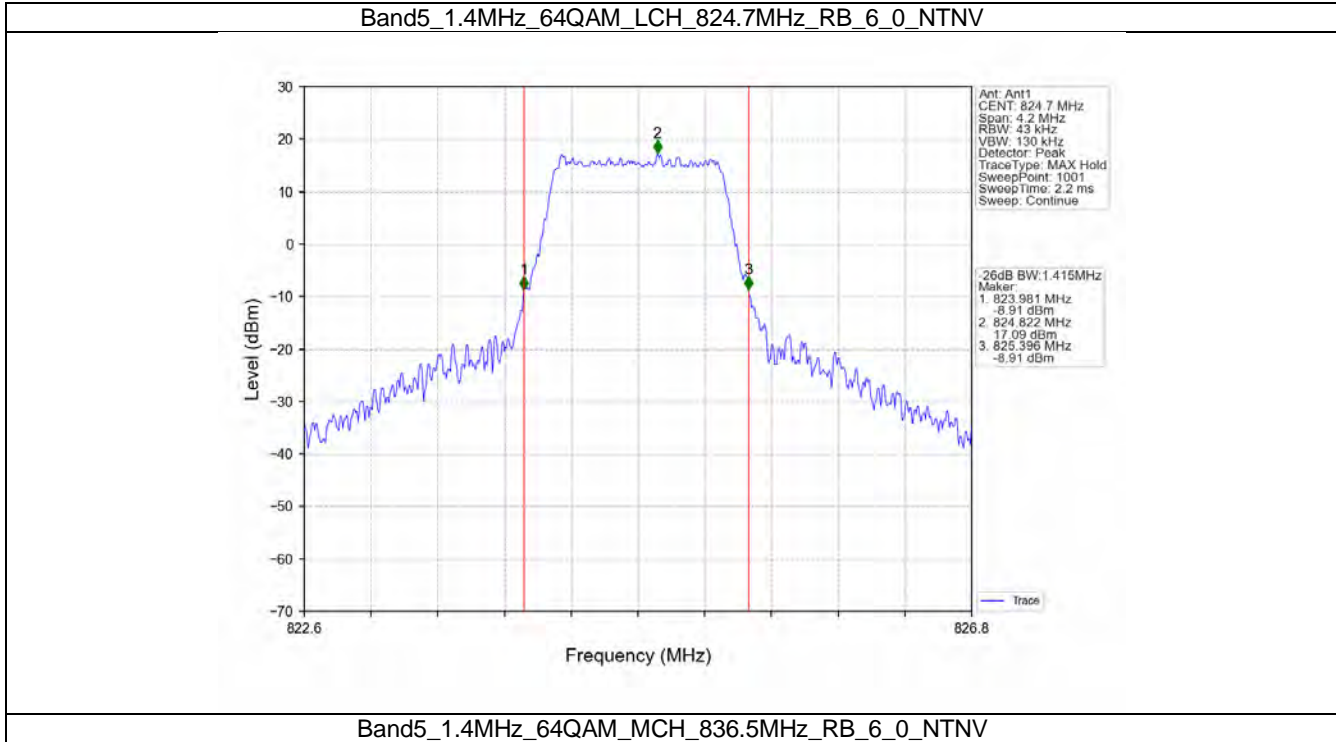


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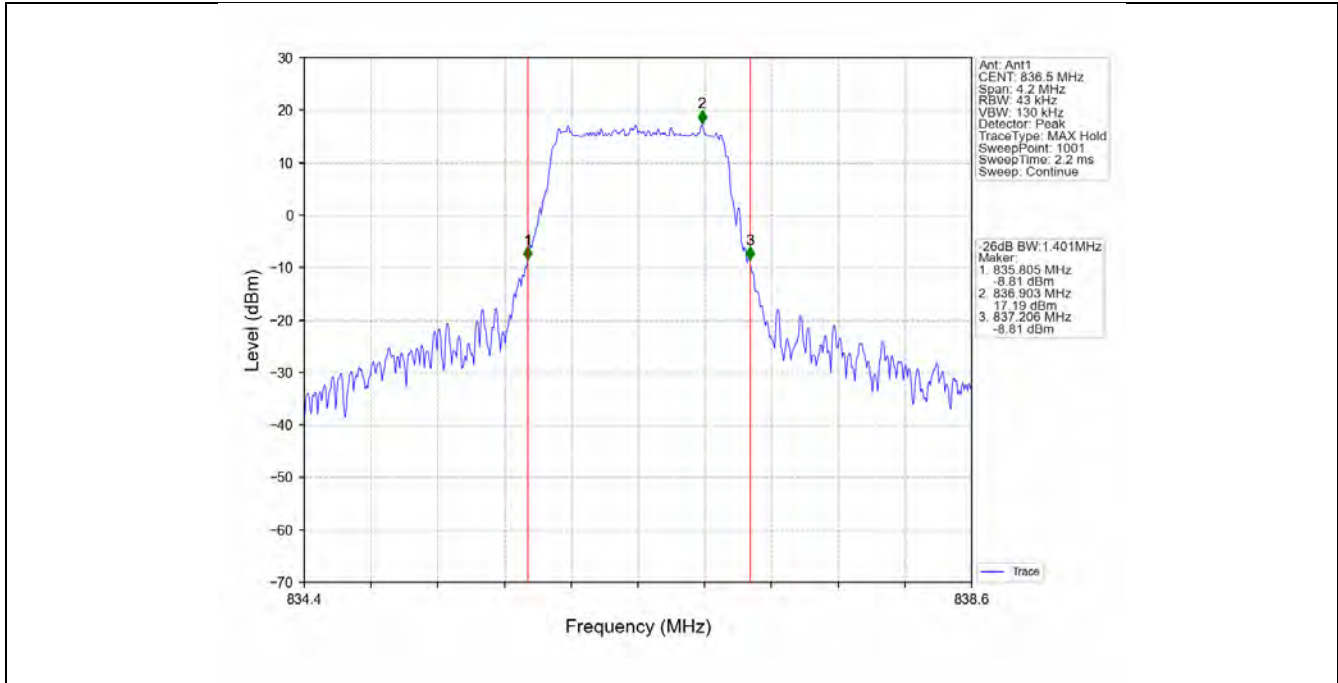


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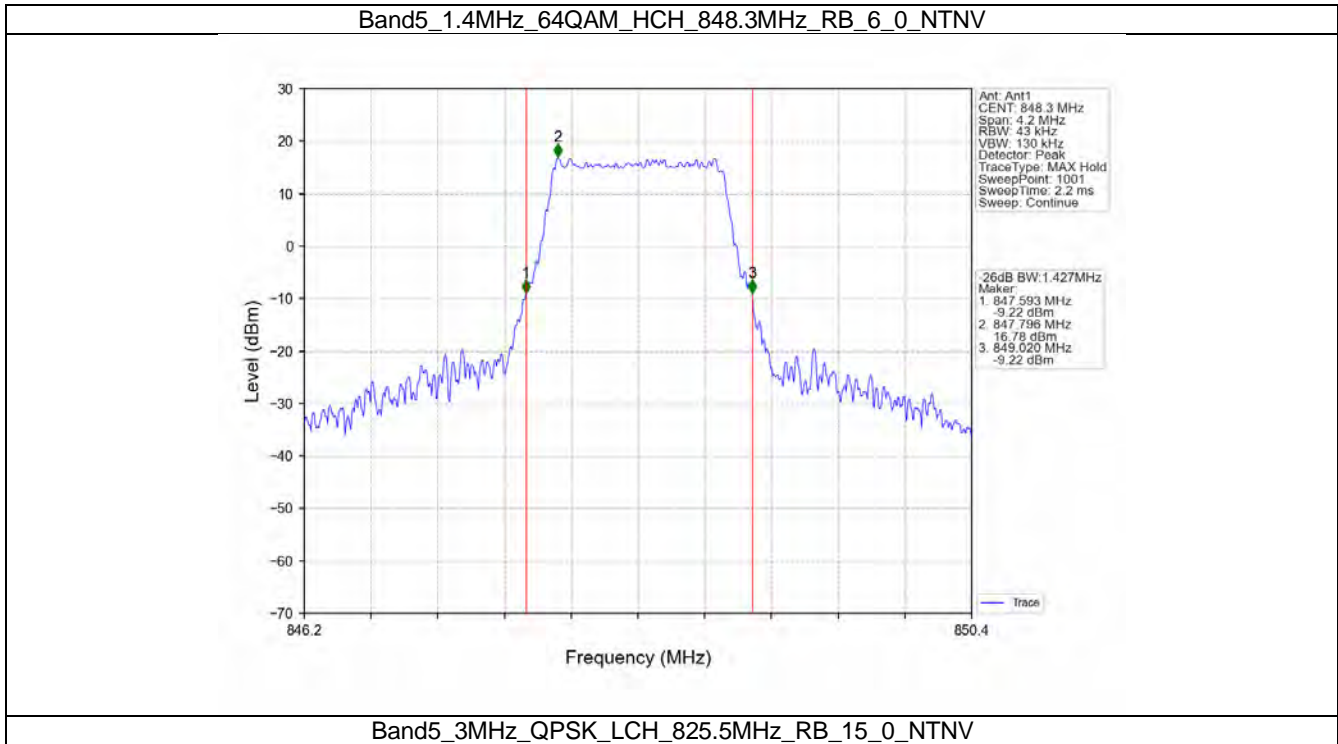


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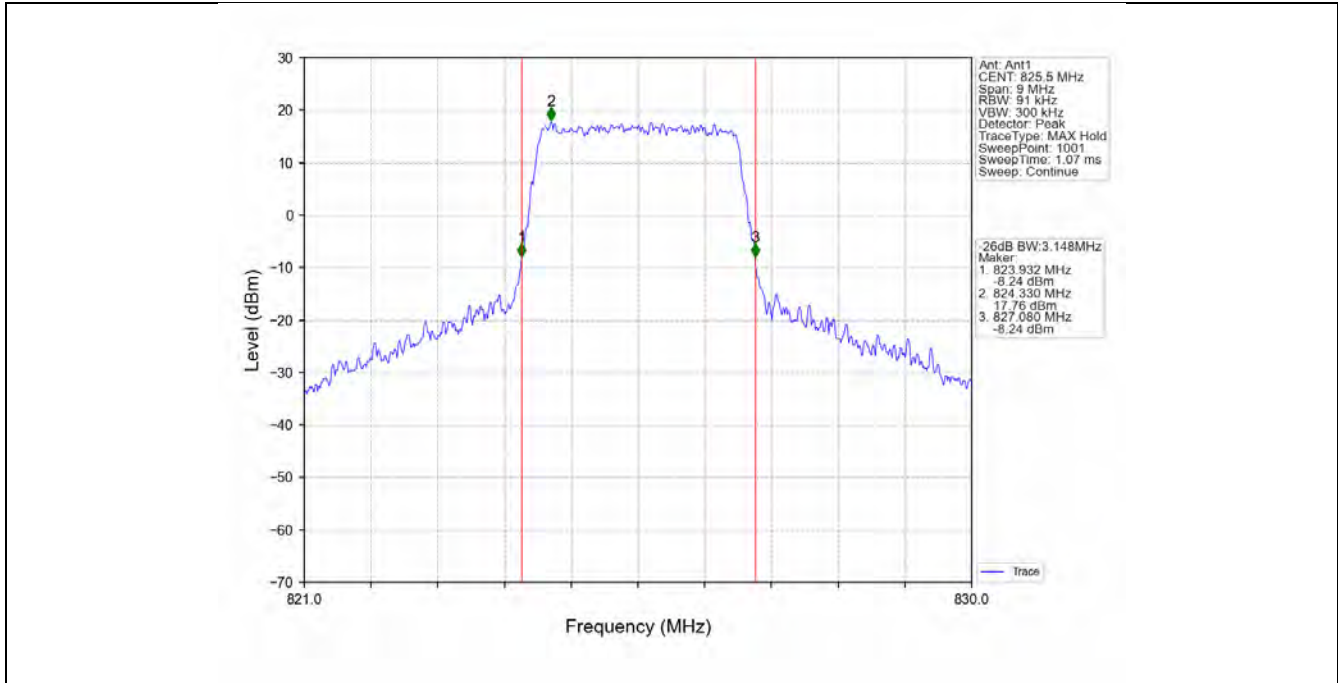


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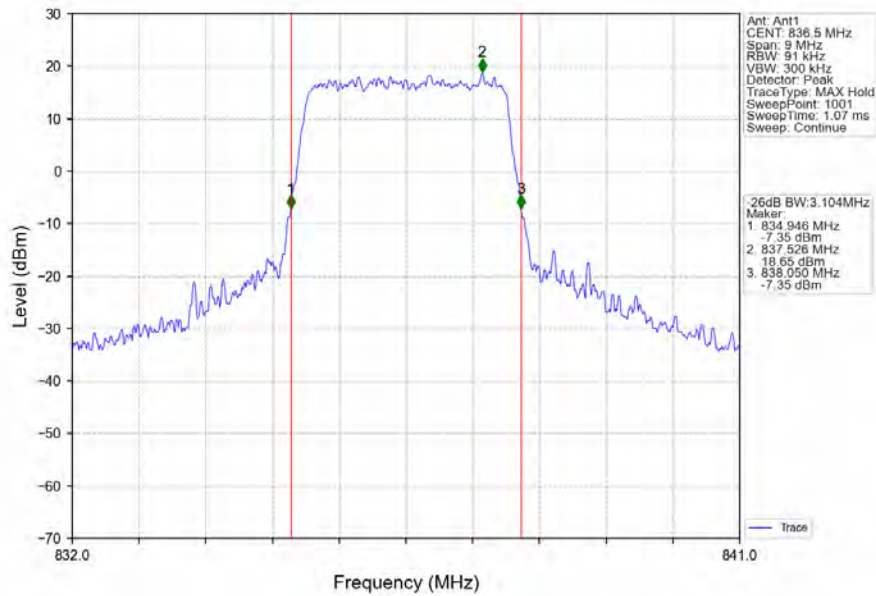
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Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



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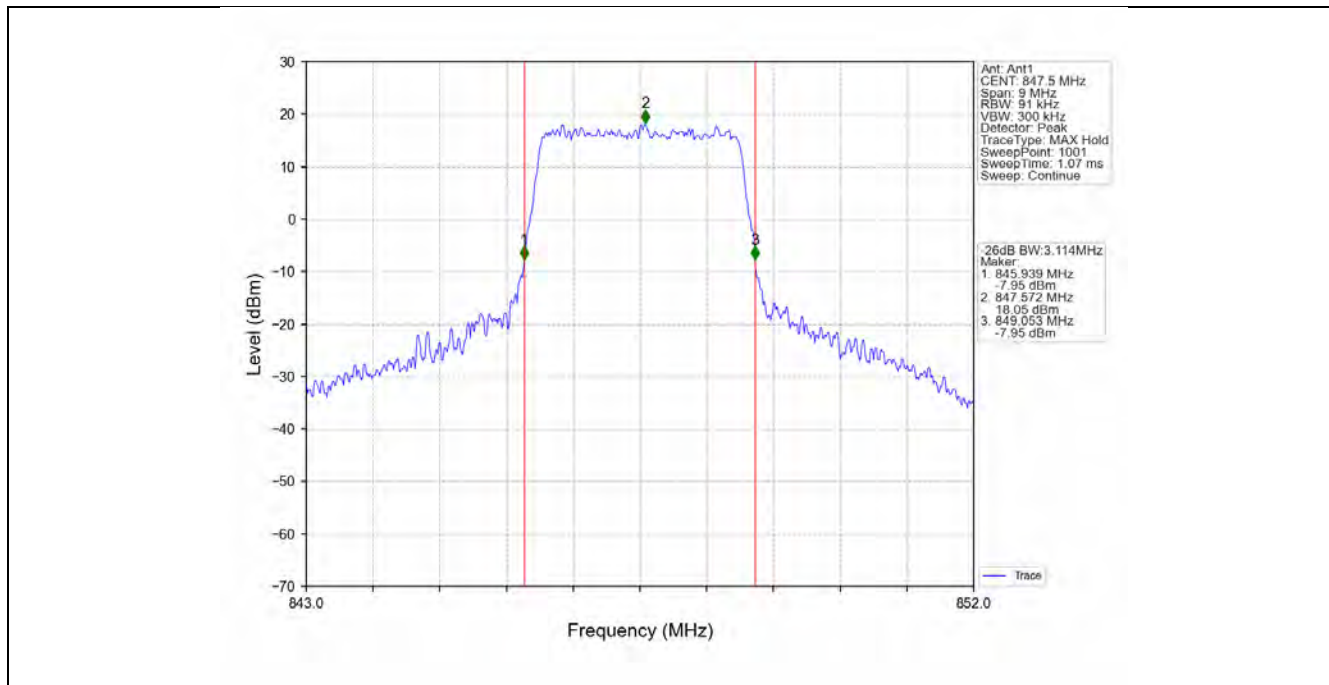
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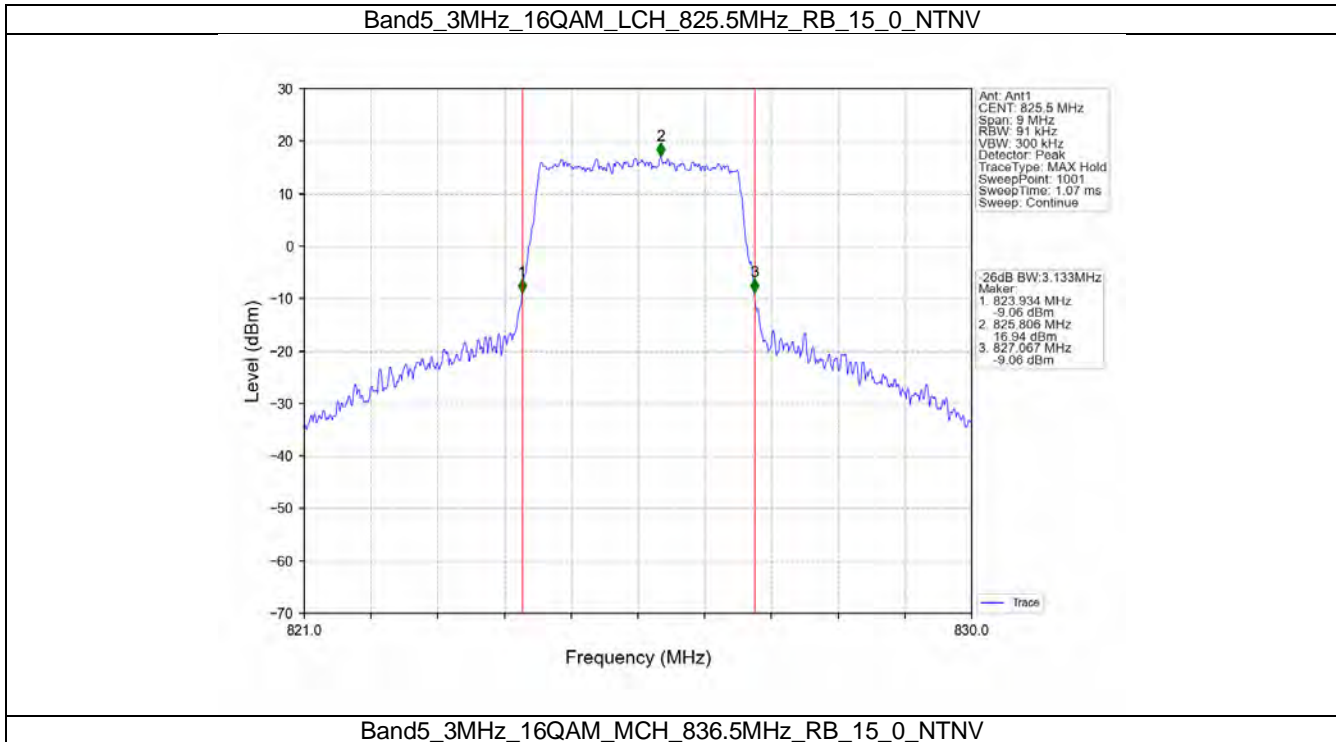


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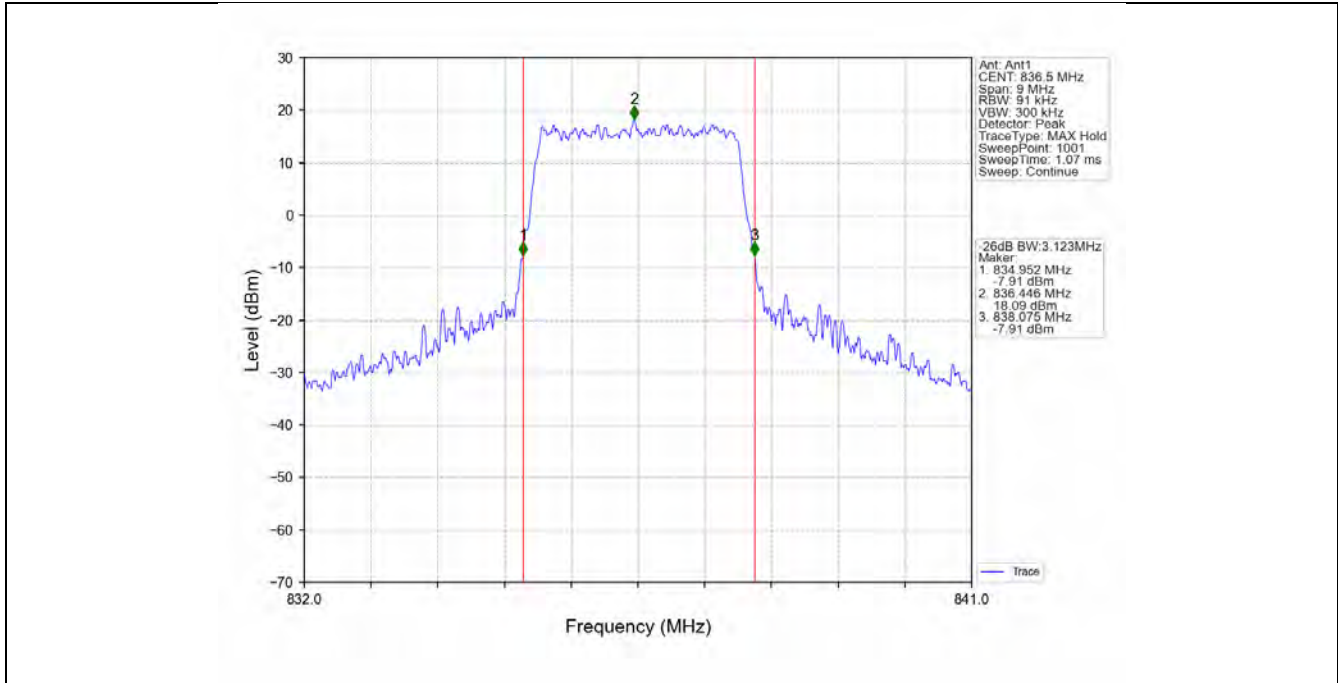


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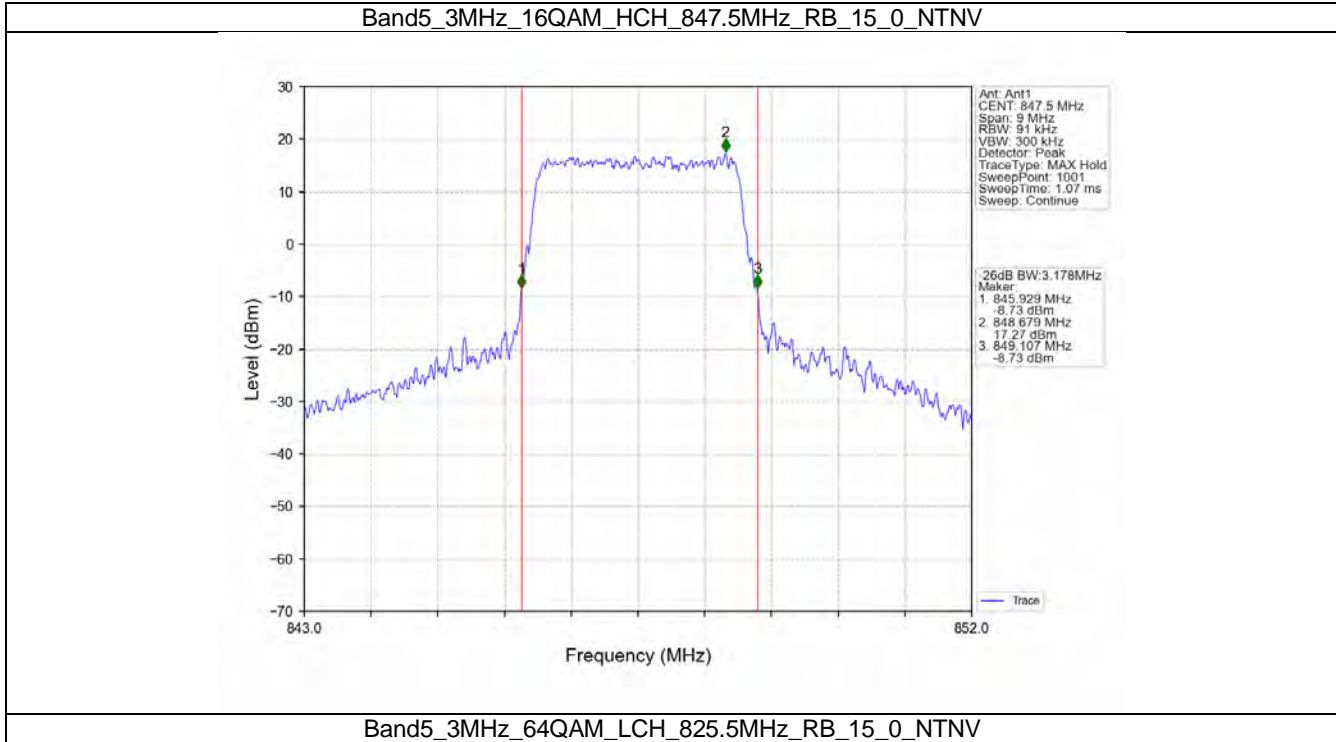


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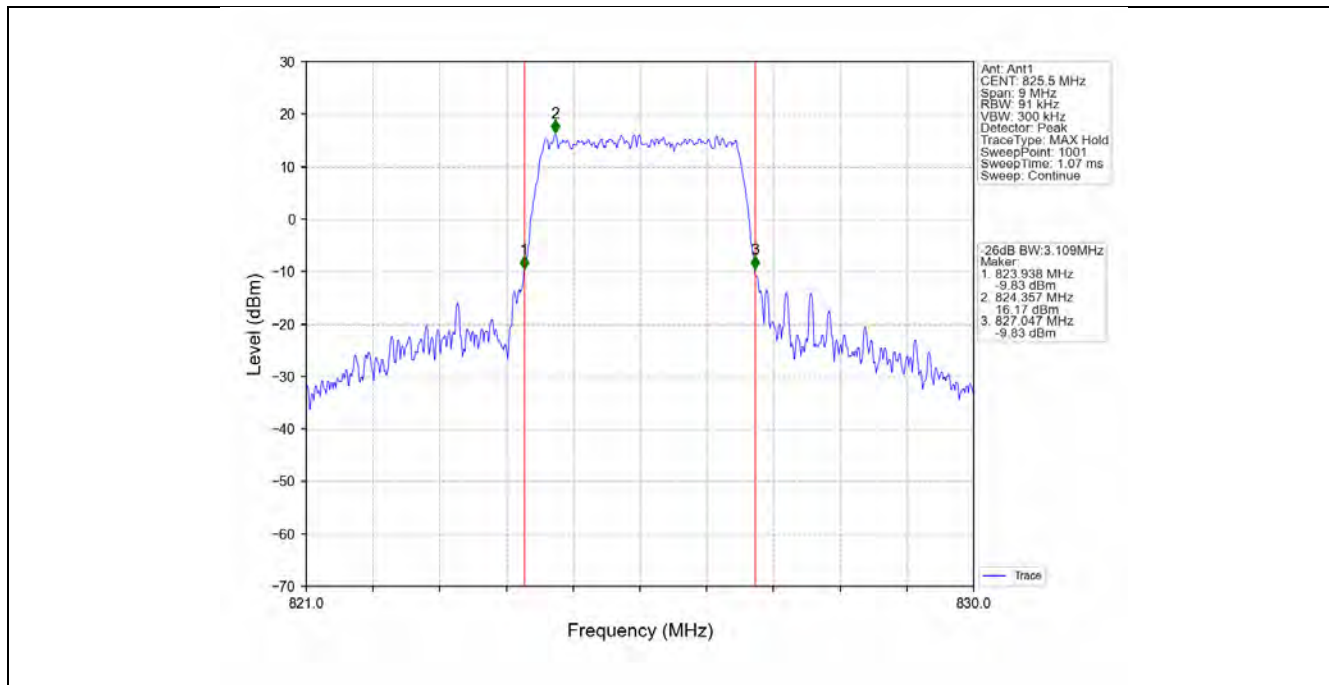
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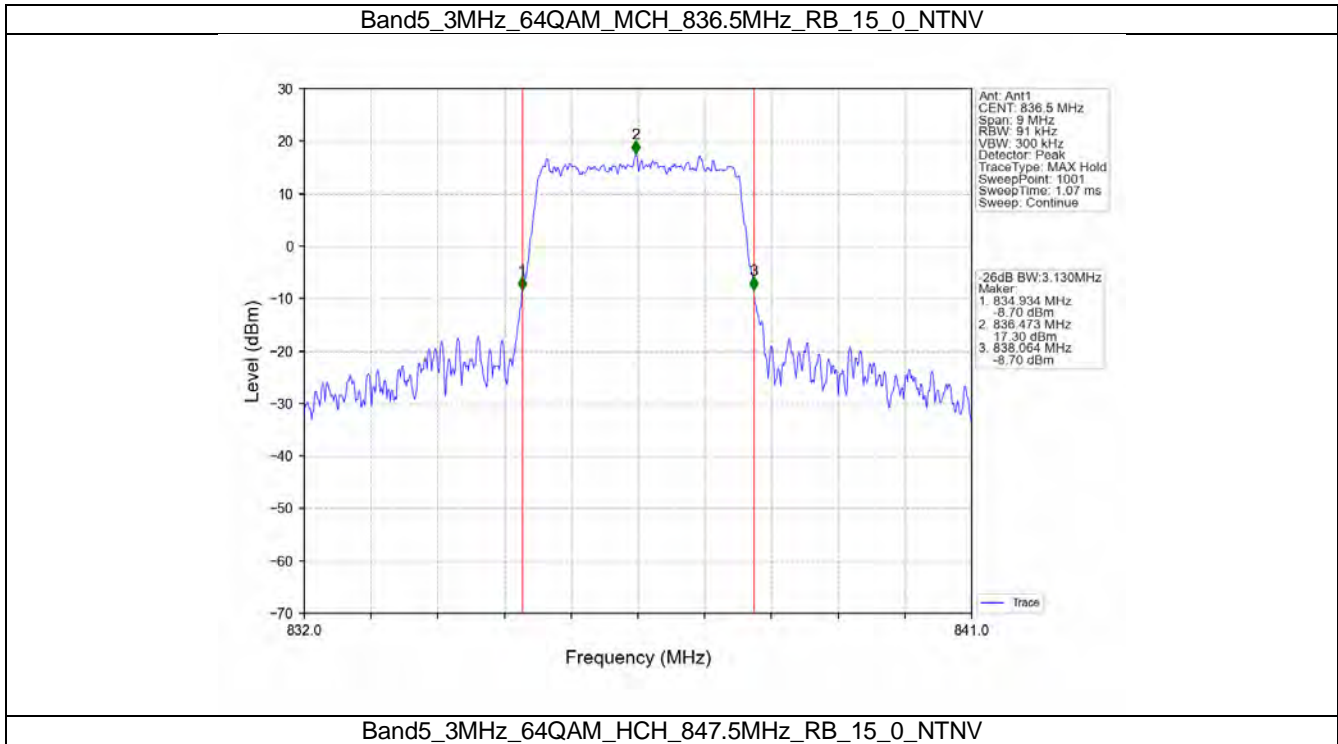


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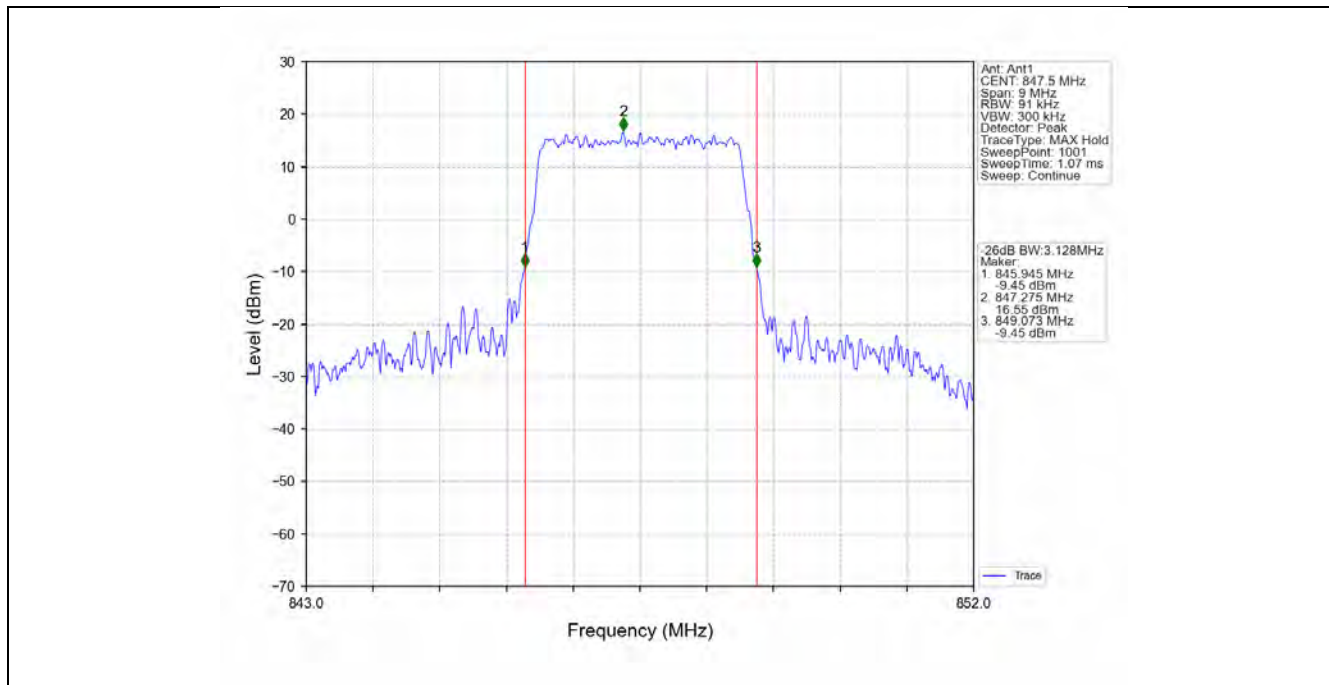
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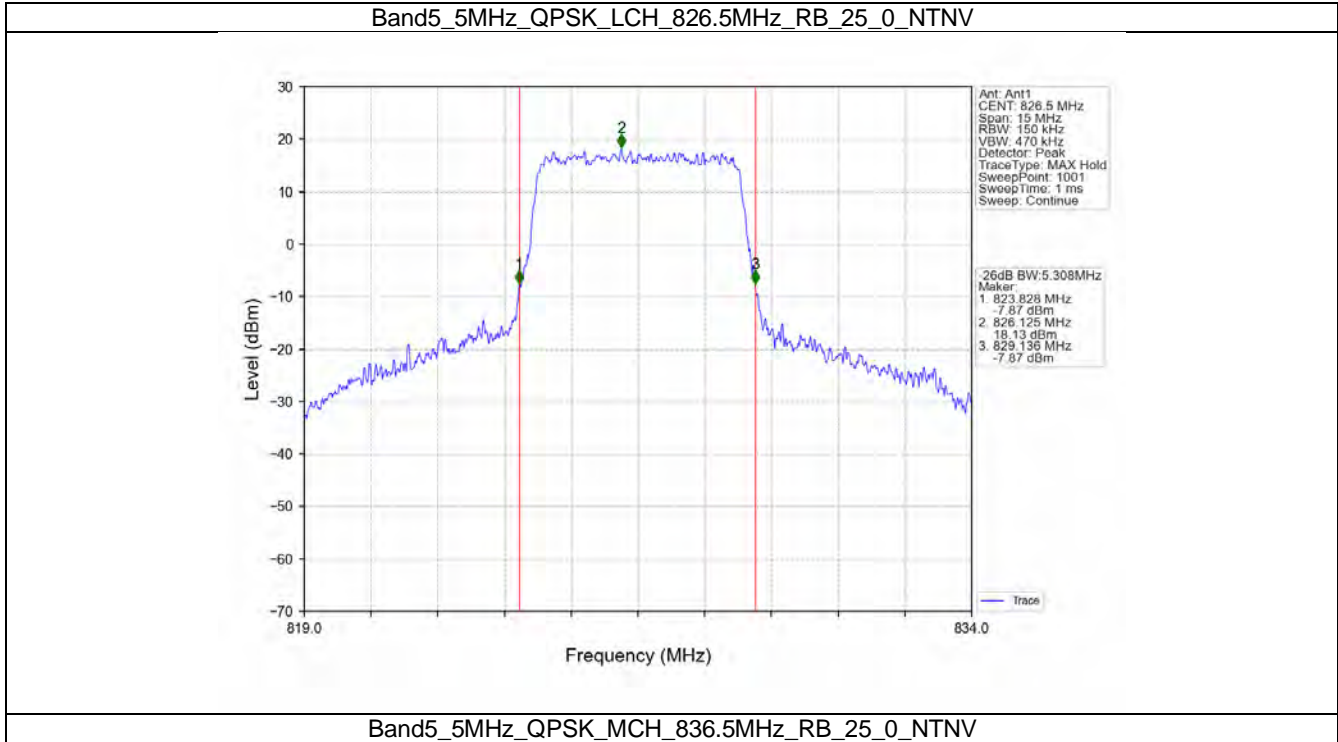


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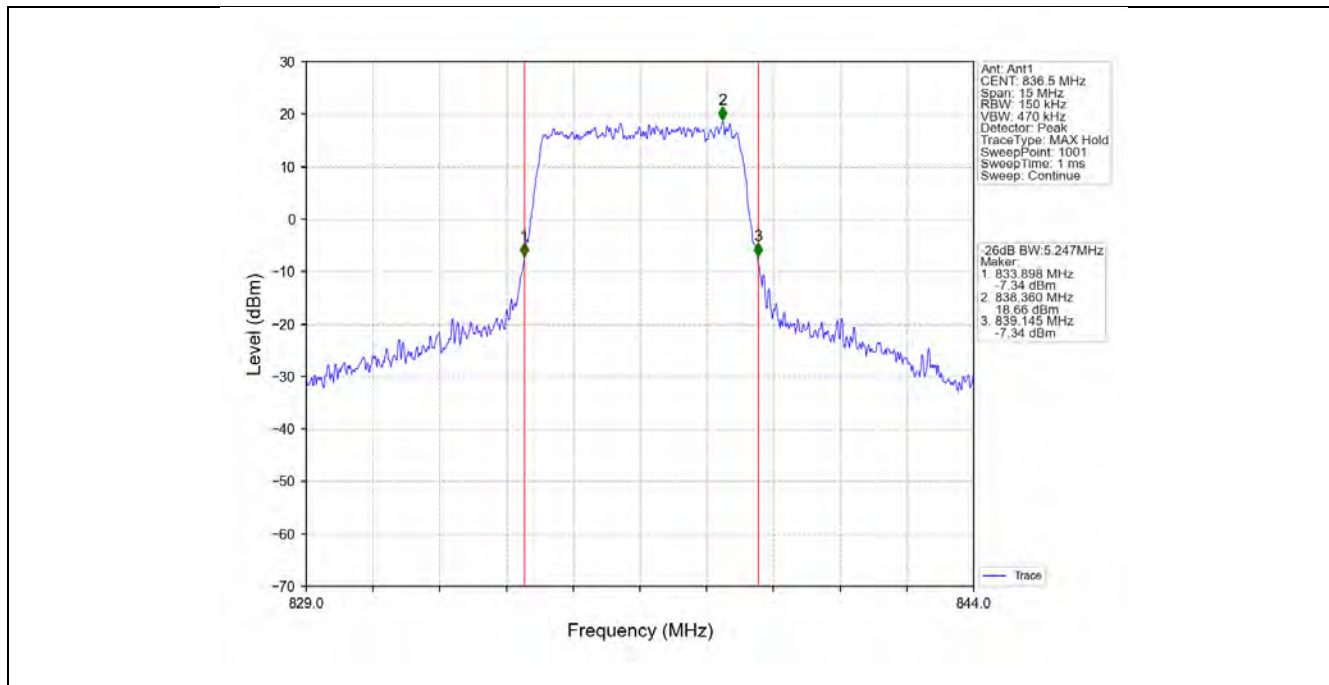
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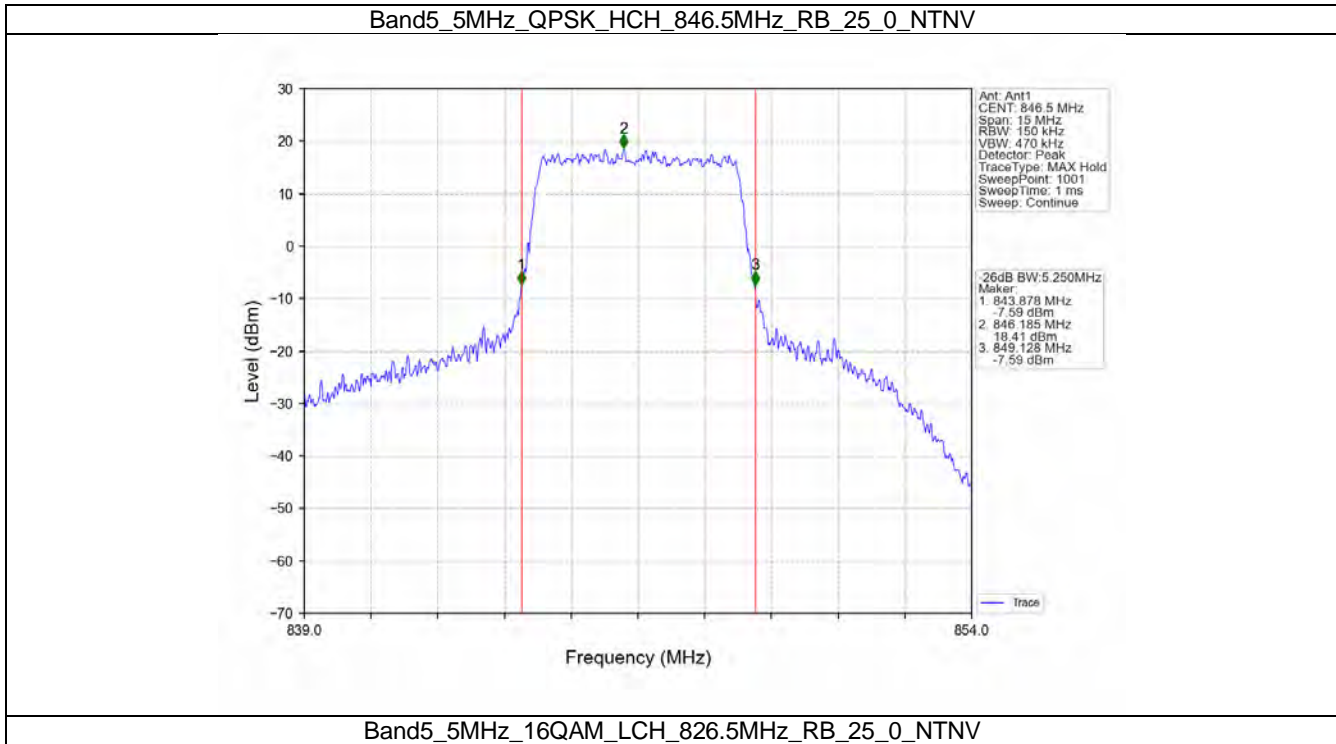


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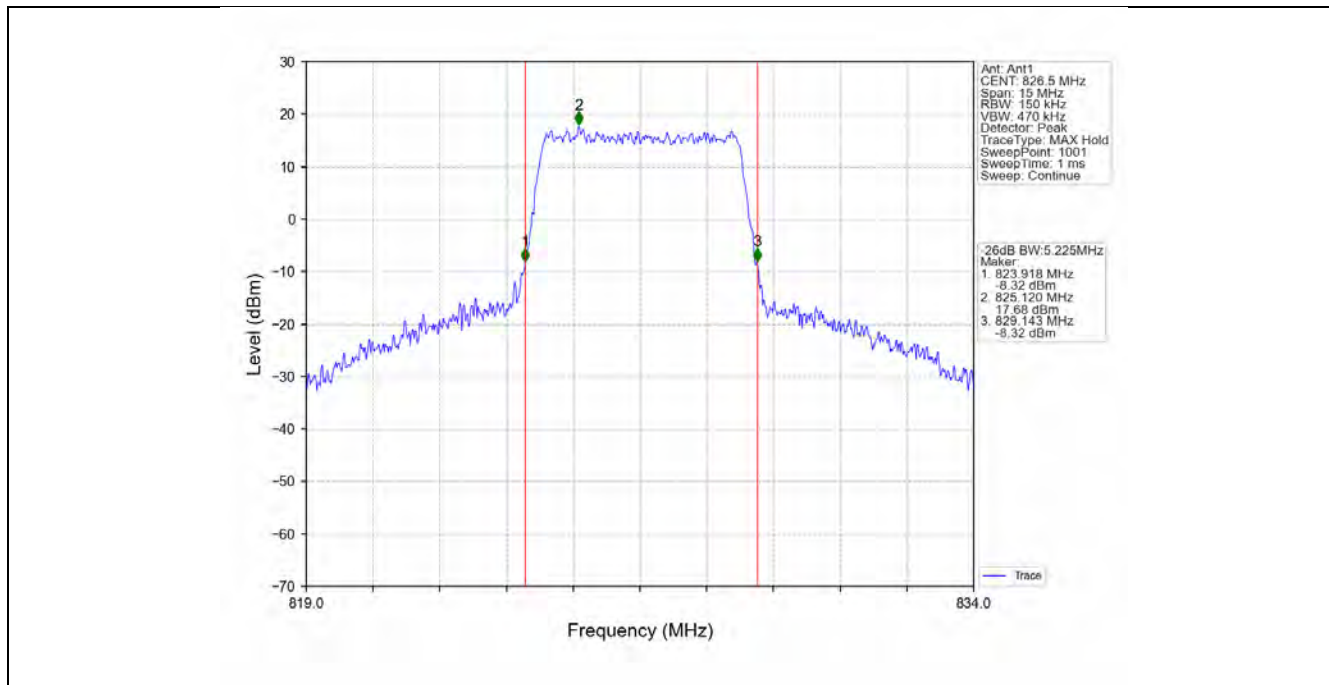
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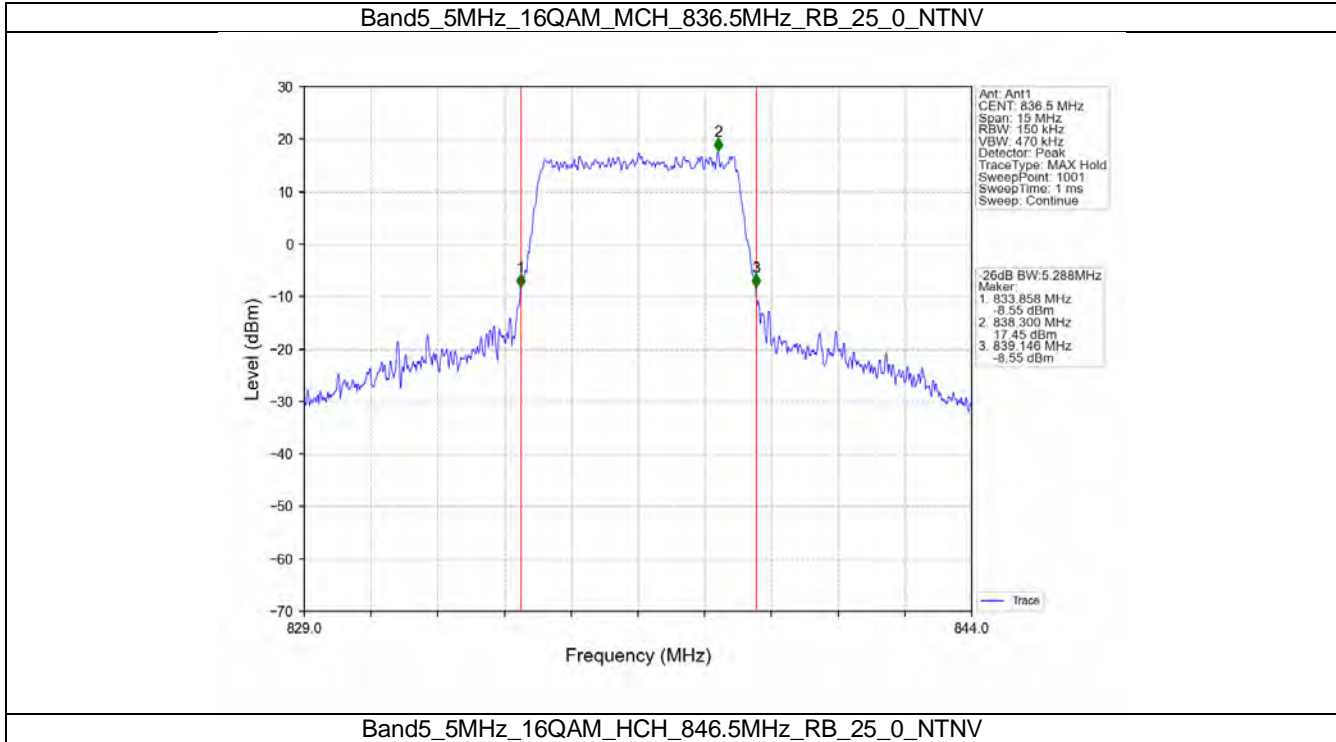


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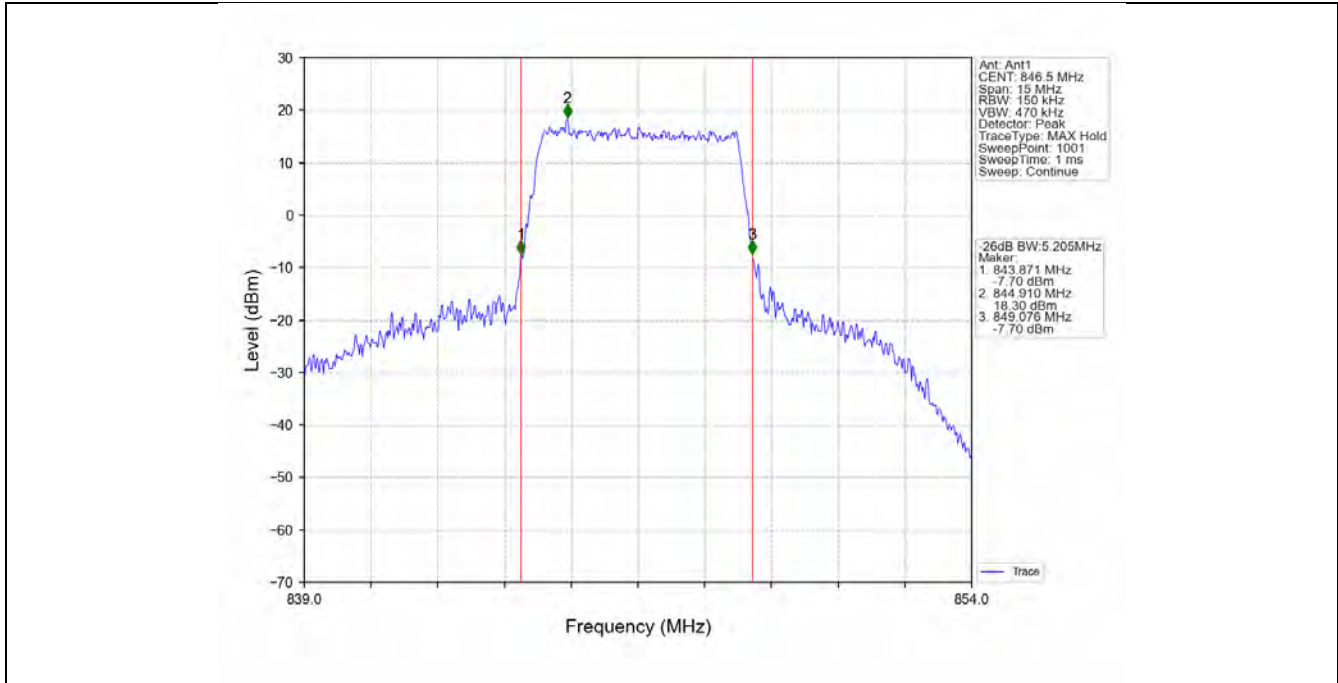


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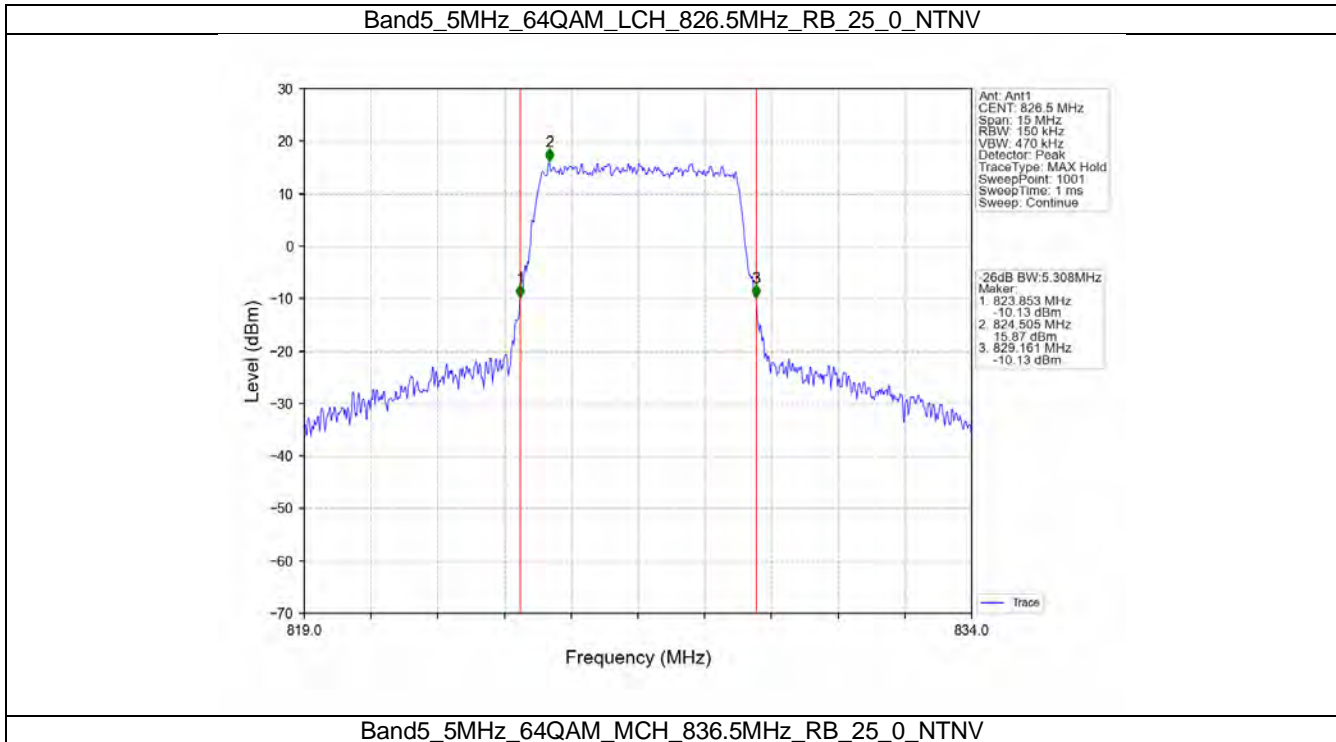


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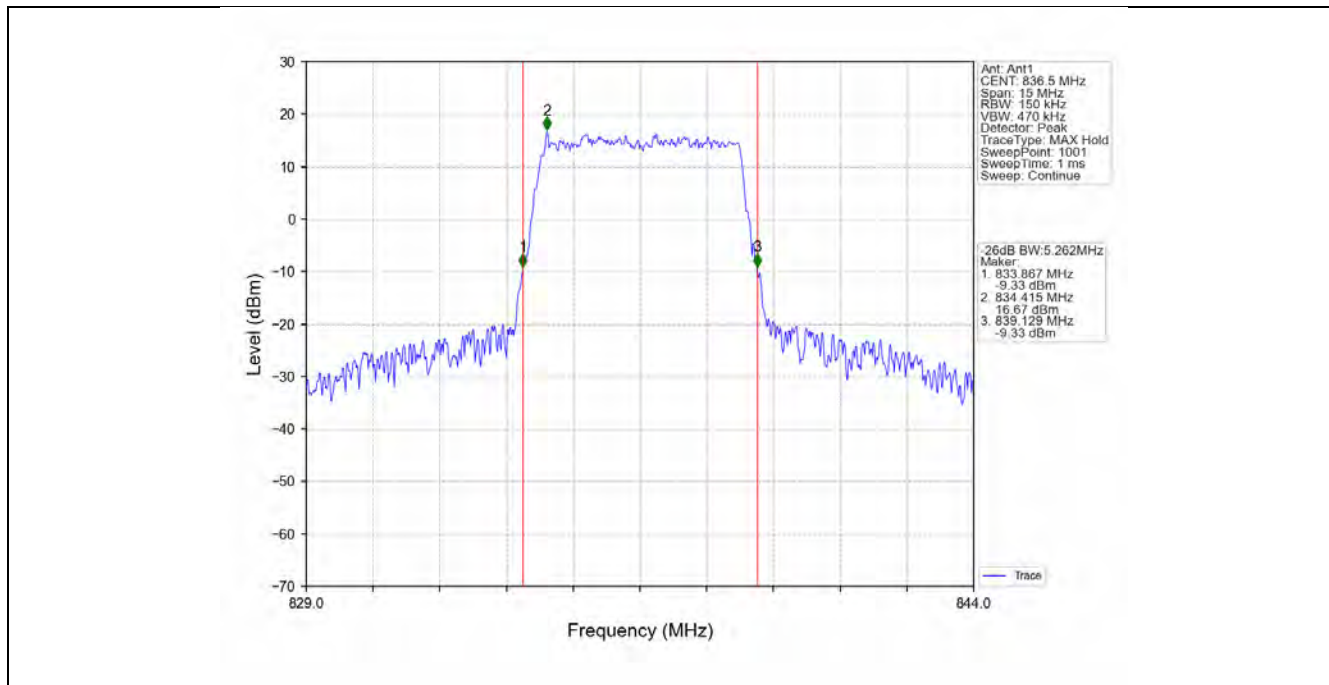
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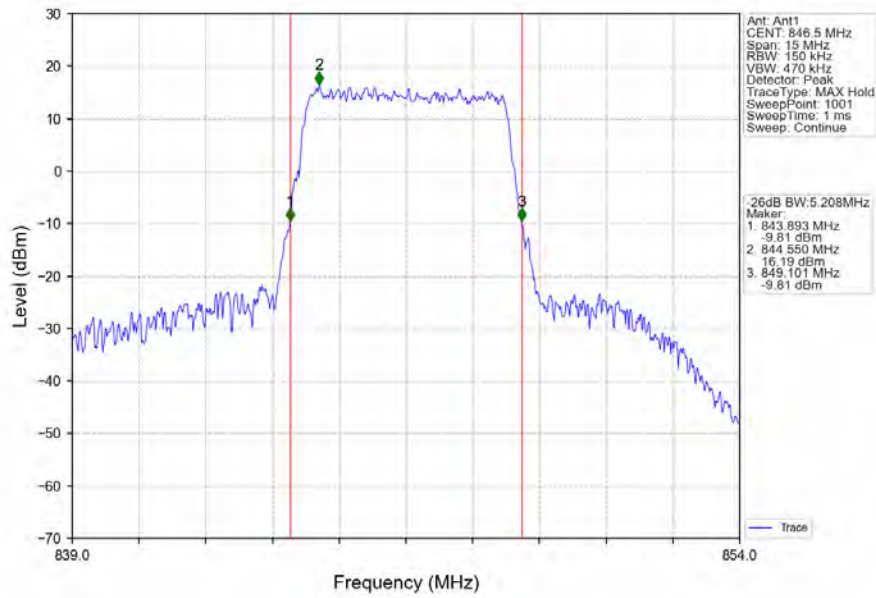
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Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



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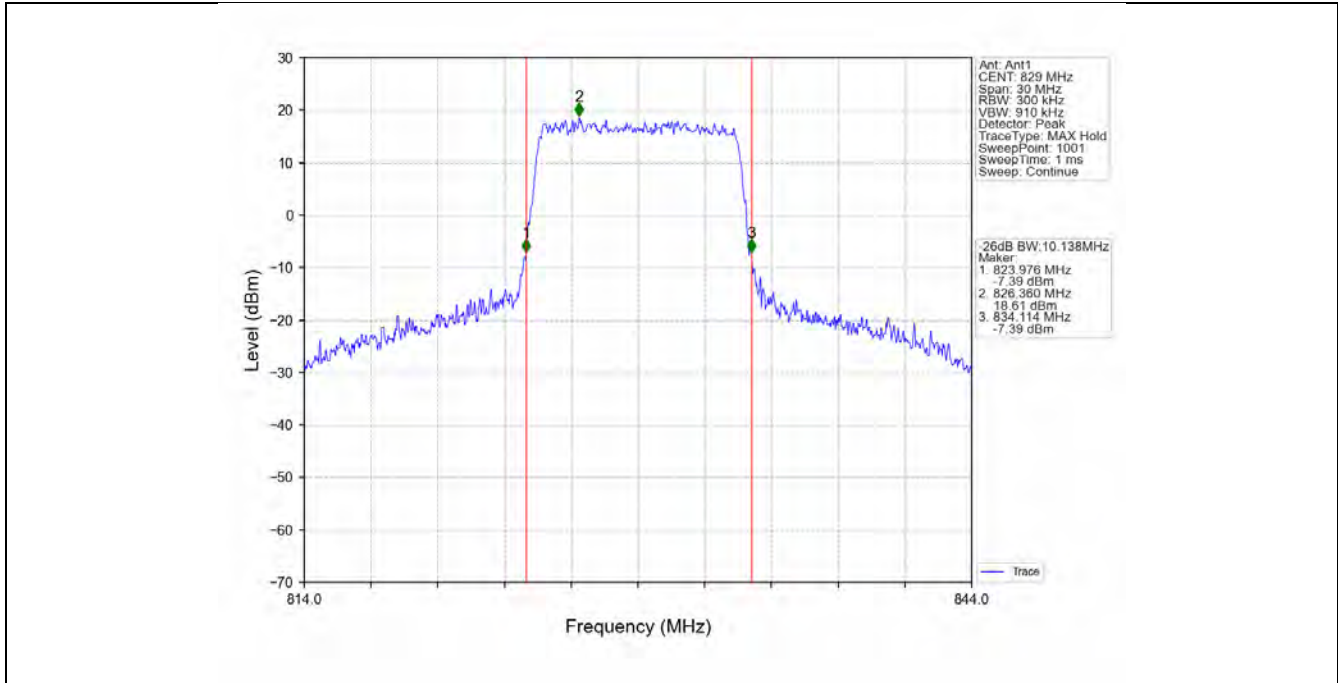


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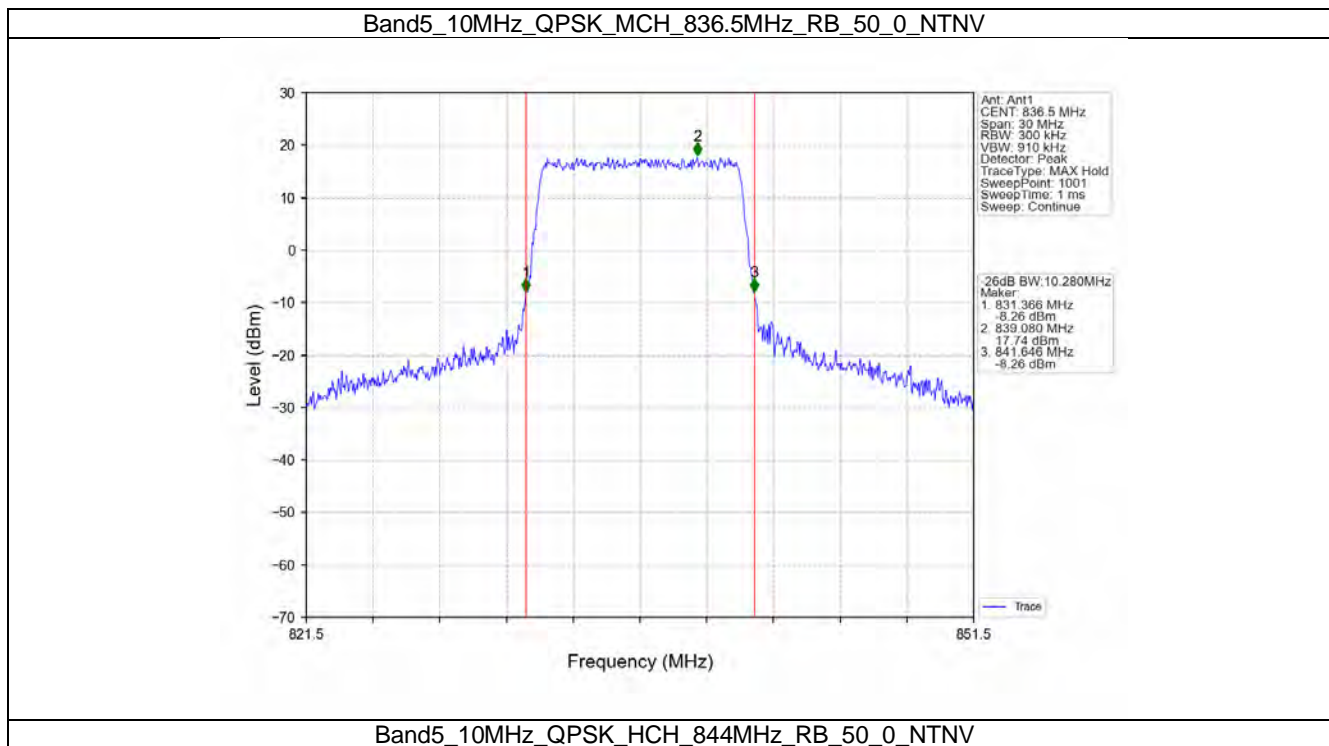
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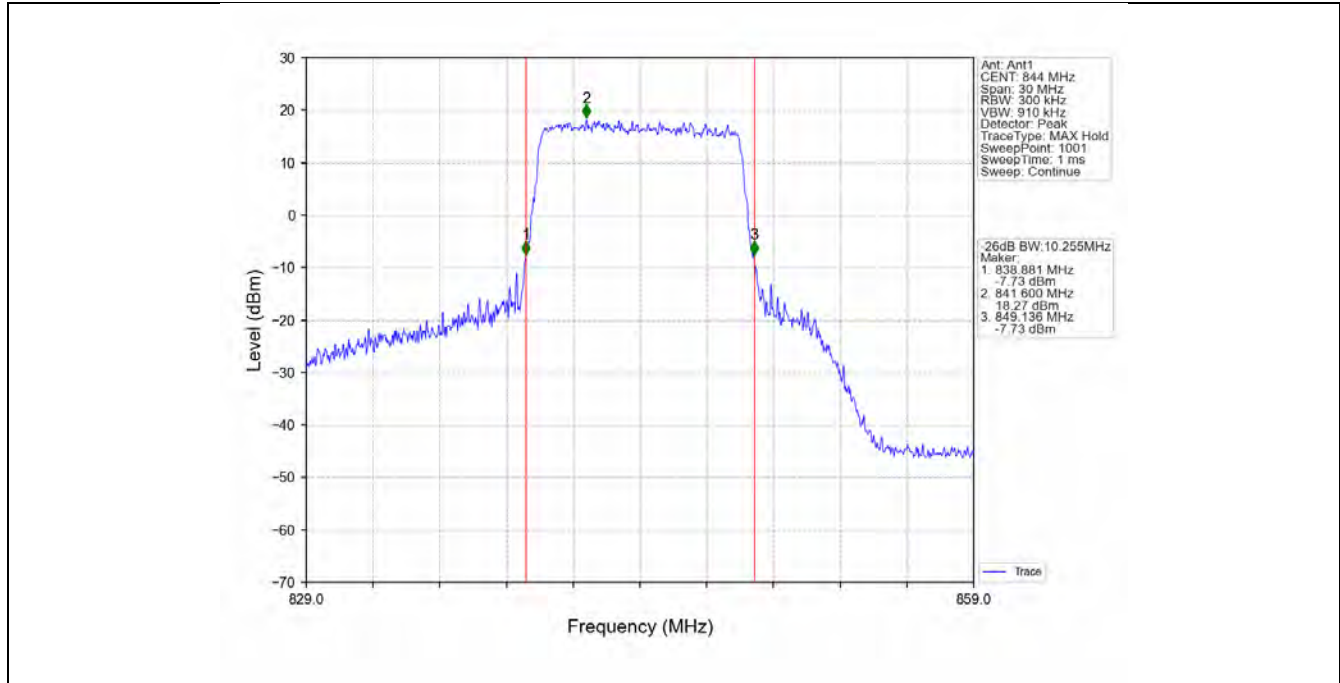


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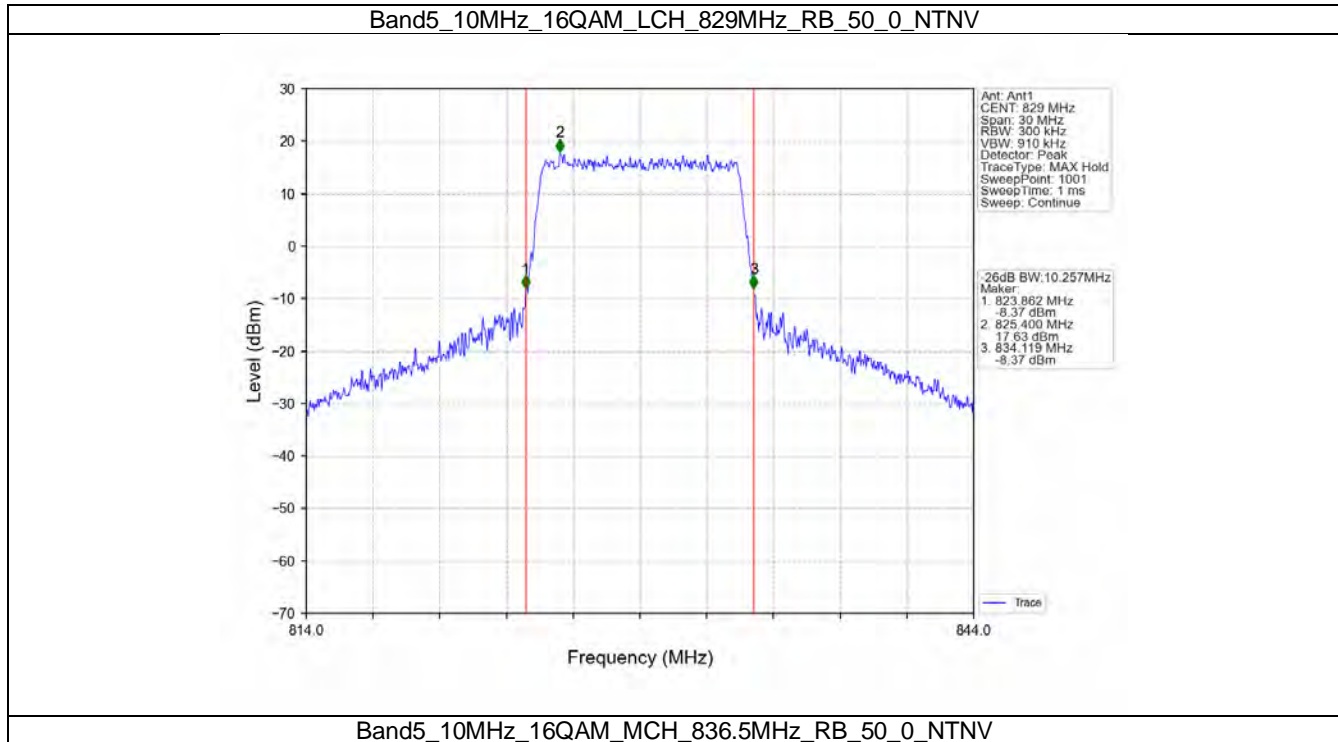


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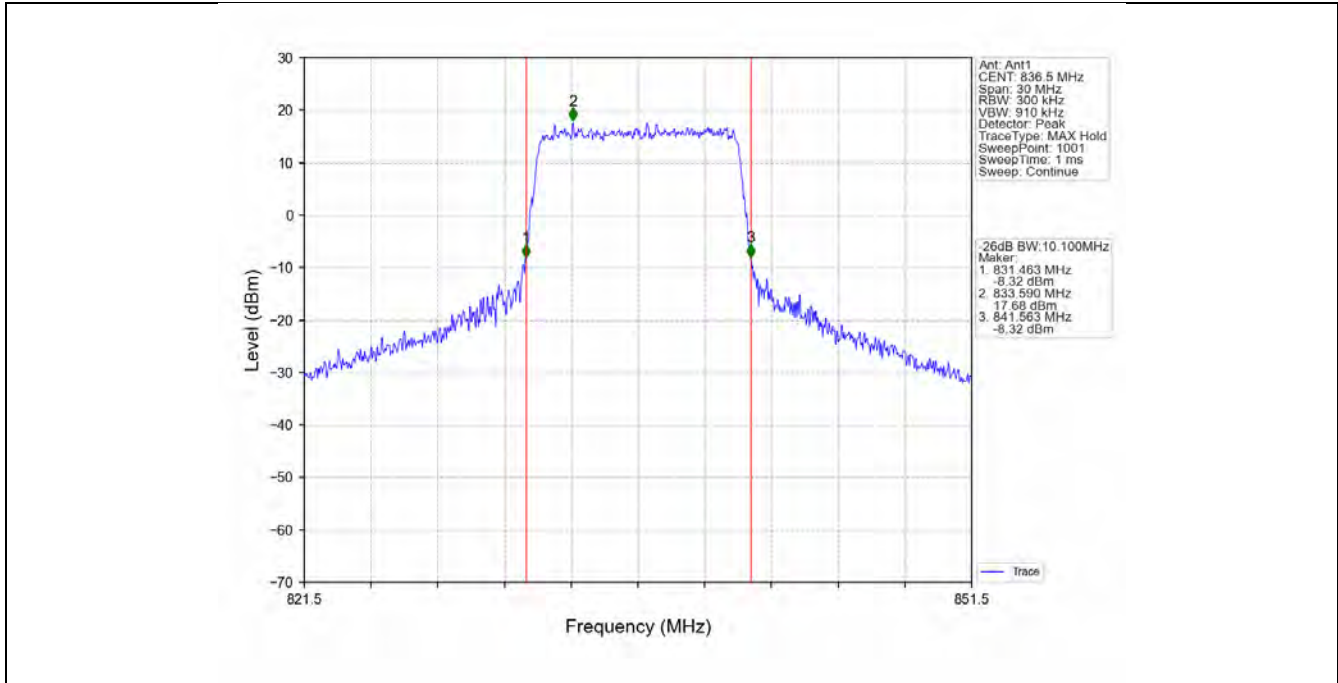


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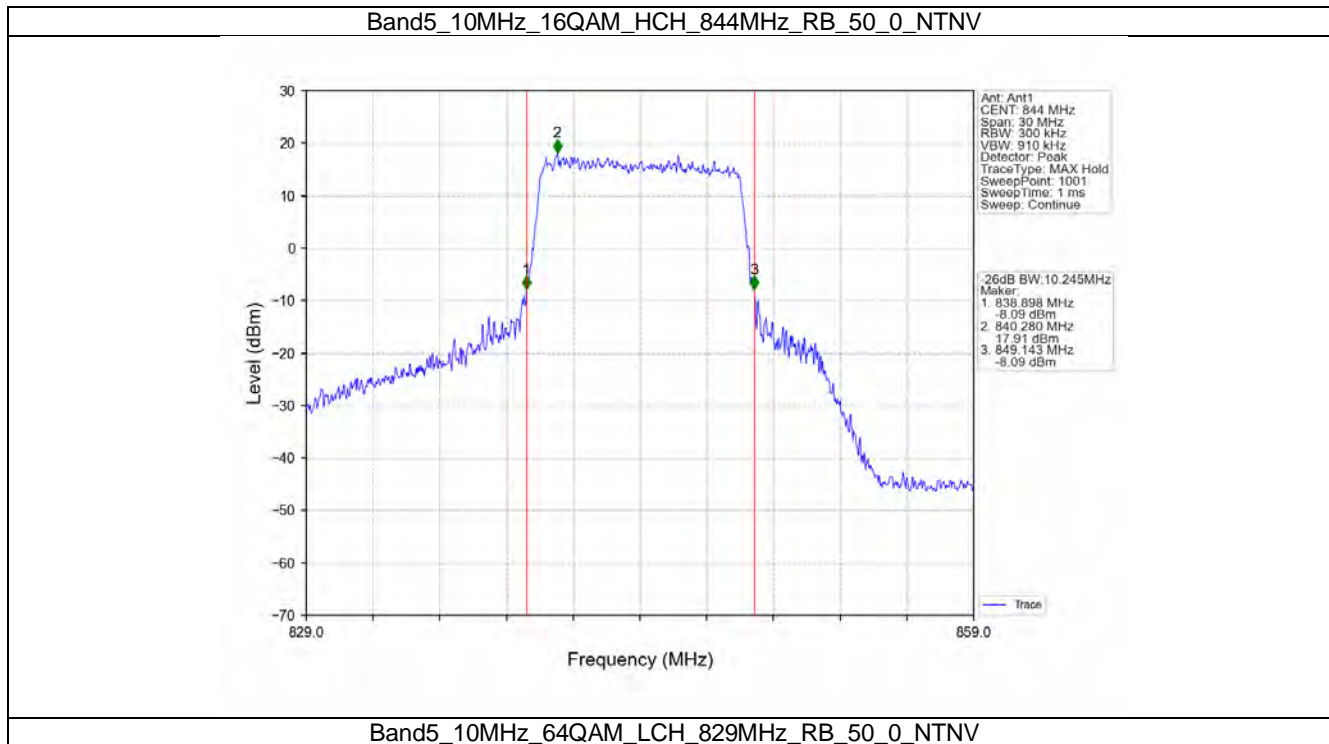
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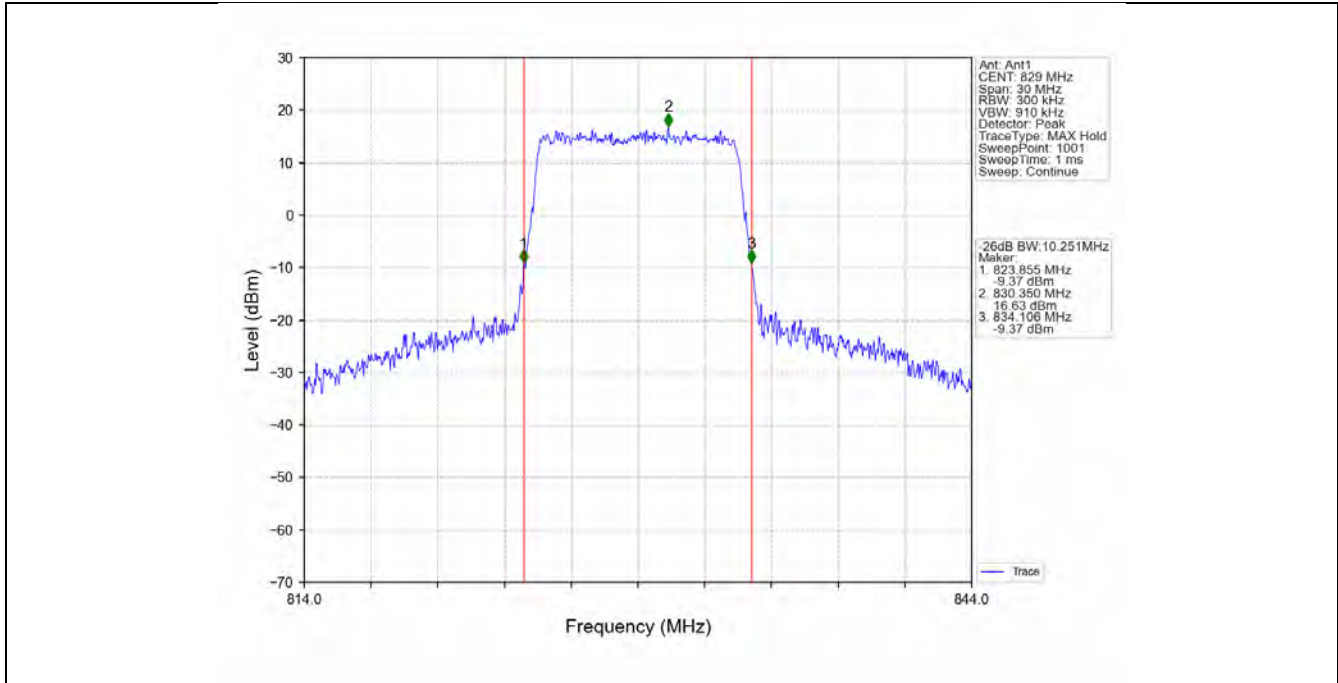


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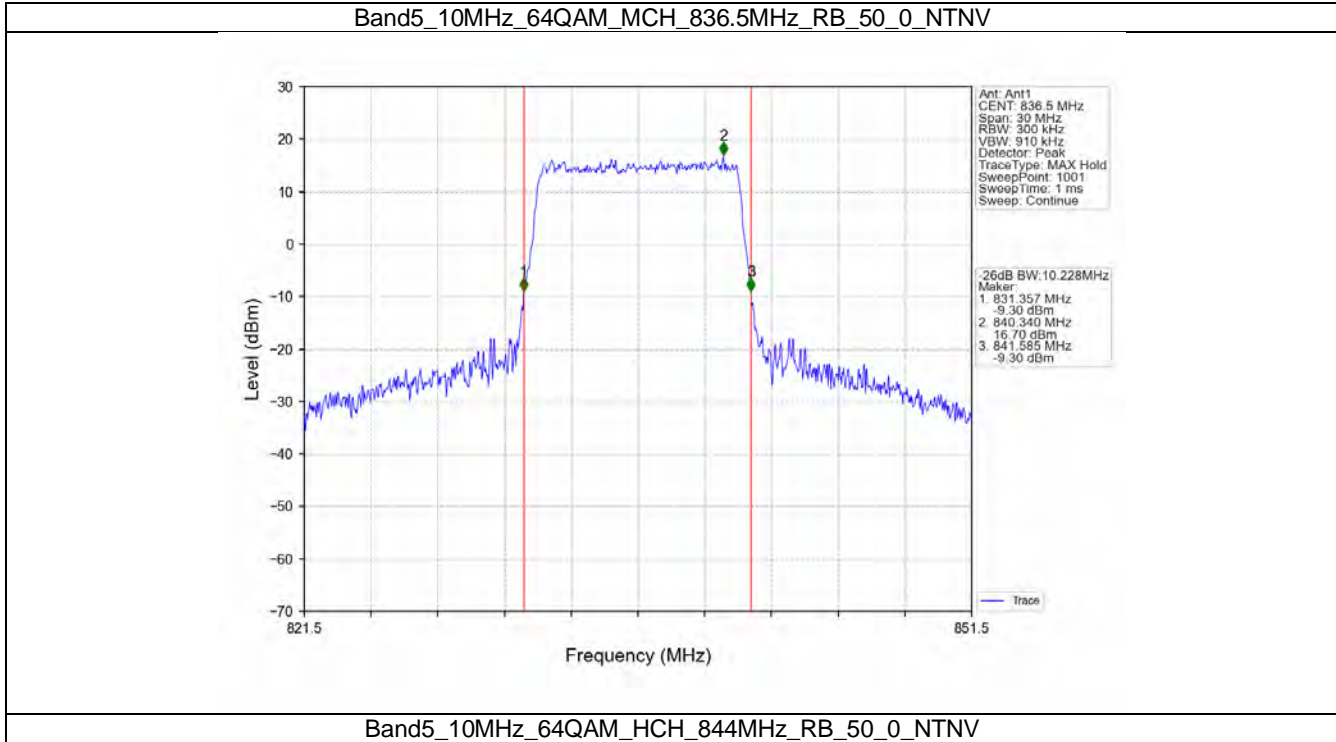


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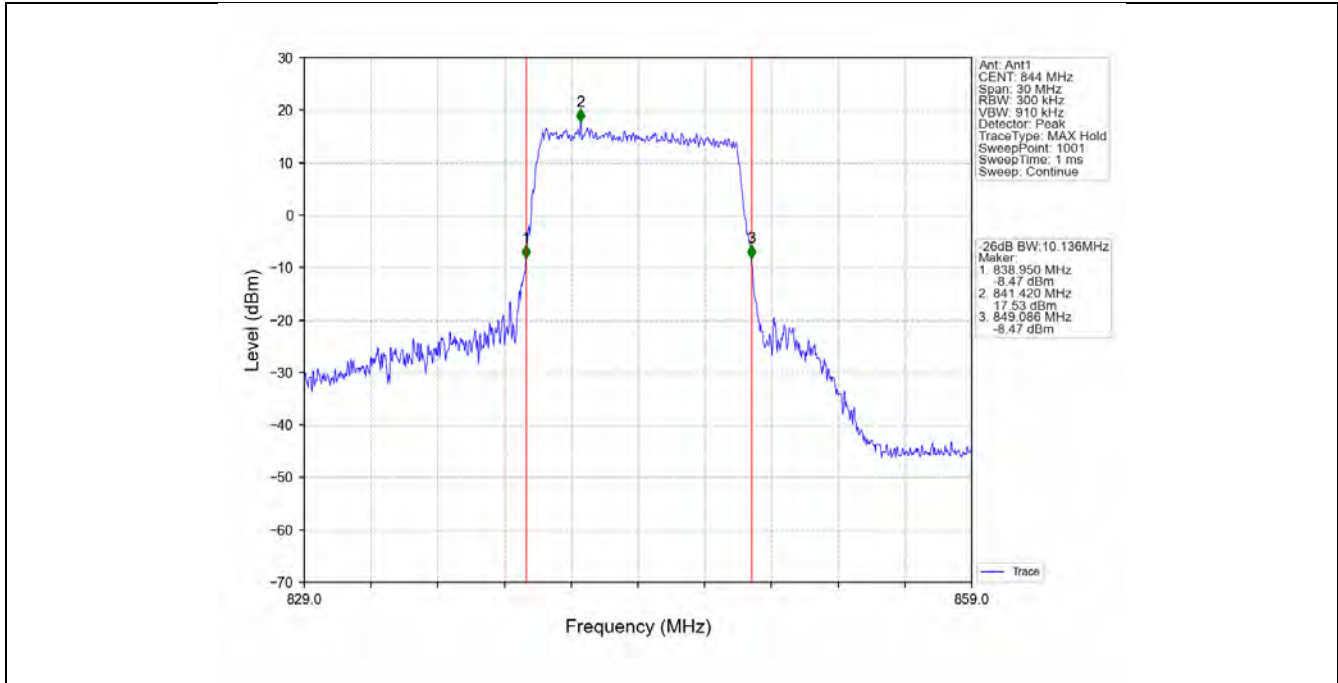


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4. Peak-Average Ratio

4.1 B5_1.4MHz

4.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.40	<=13	Pass
	836.5	6	0	4.91	<=13	Pass
	848.3	6	0	4.97	<=13	Pass
16QAM	824.7	6	0	5.57	<=13	Pass
	836.5	6	0	5.94	<=13	Pass
	848.3	6	0	5.91	<=13	Pass
64QAM	824.7	6	0	8.44	<=13	Pass
	836.5	6	0	6.48	<=13	Pass
	848.3	6	0	6.46	<=13	Pass



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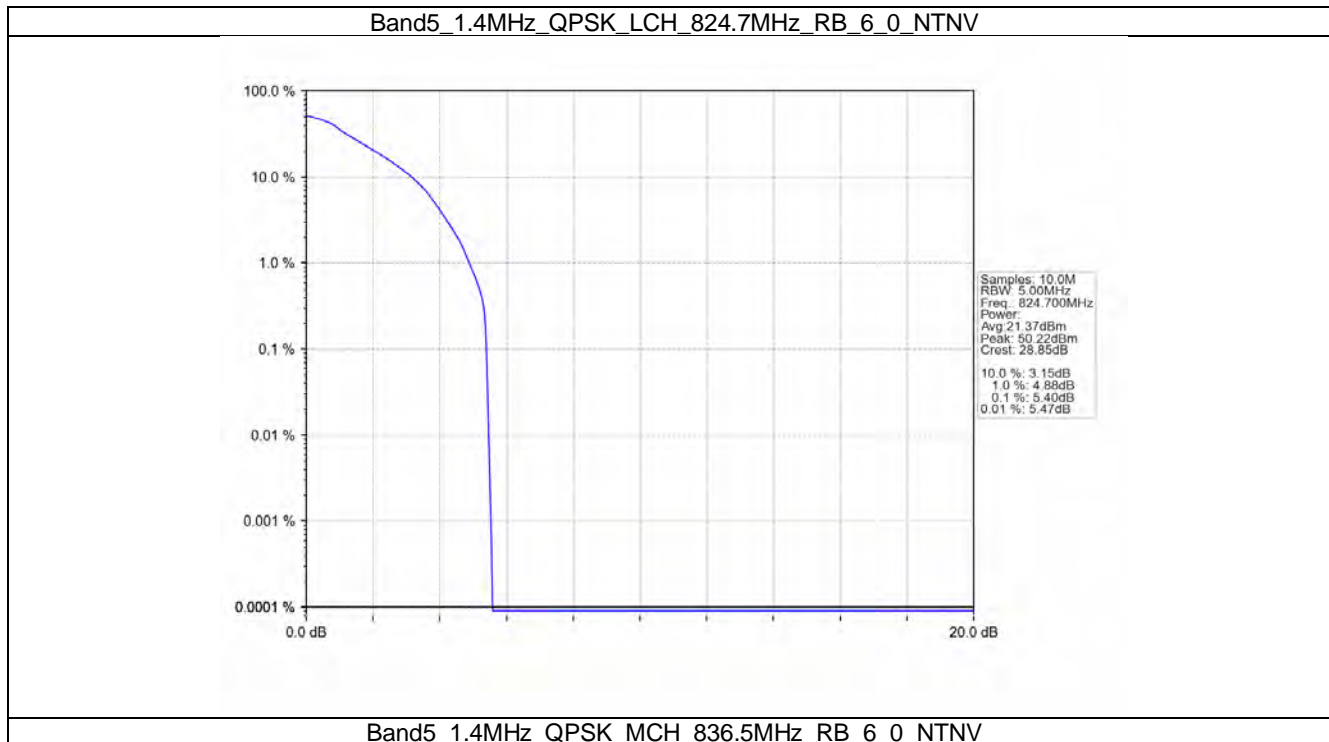
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4.1.2 Test Graph



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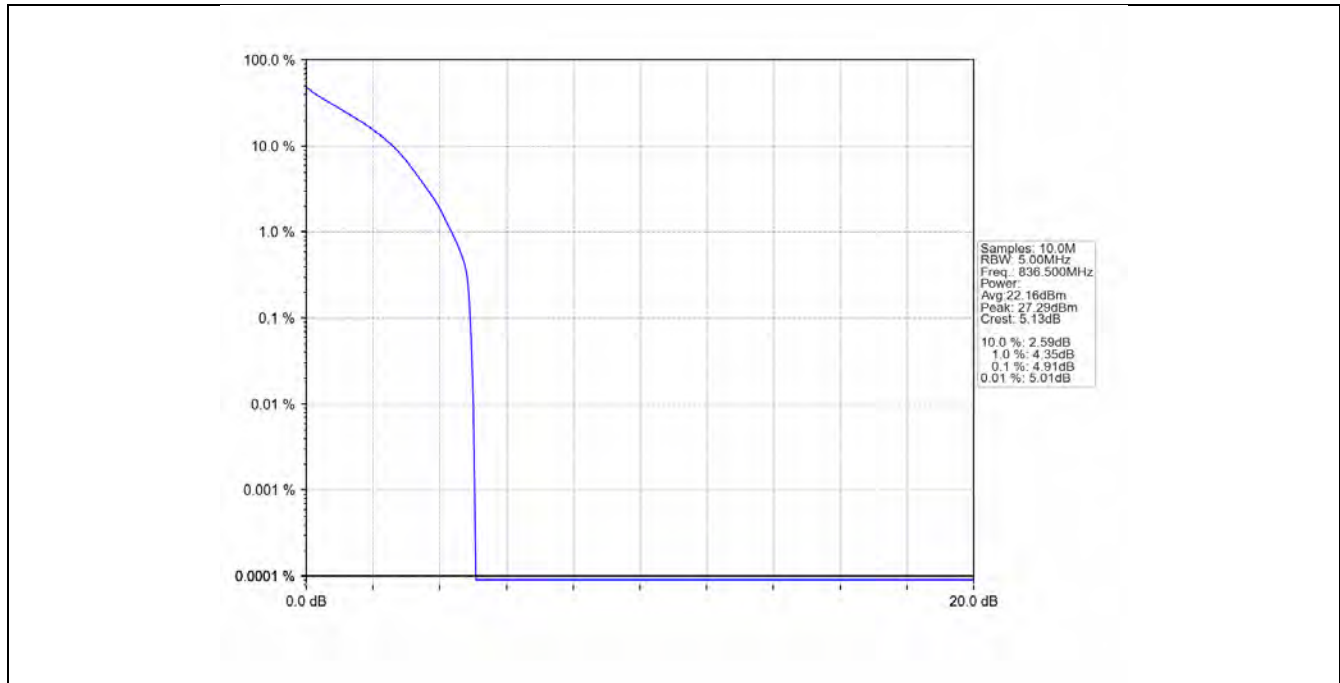


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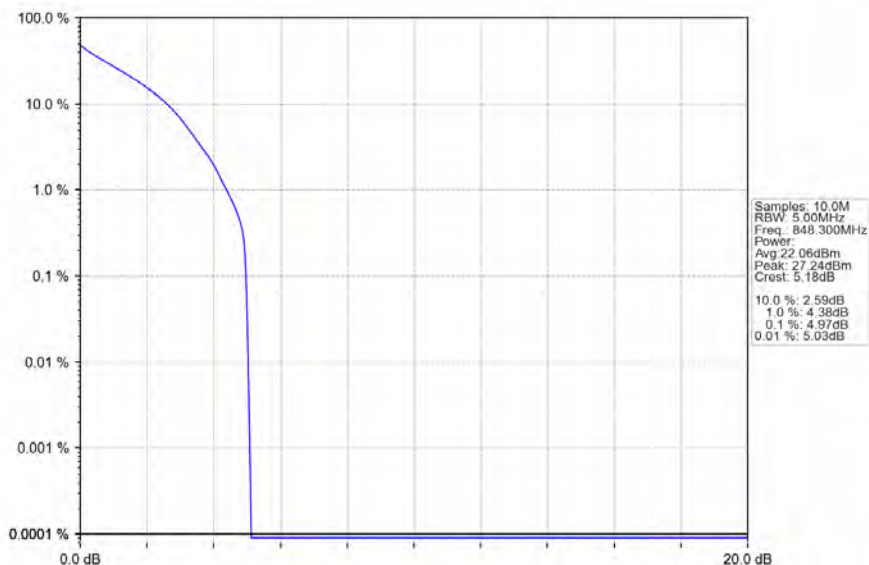
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Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



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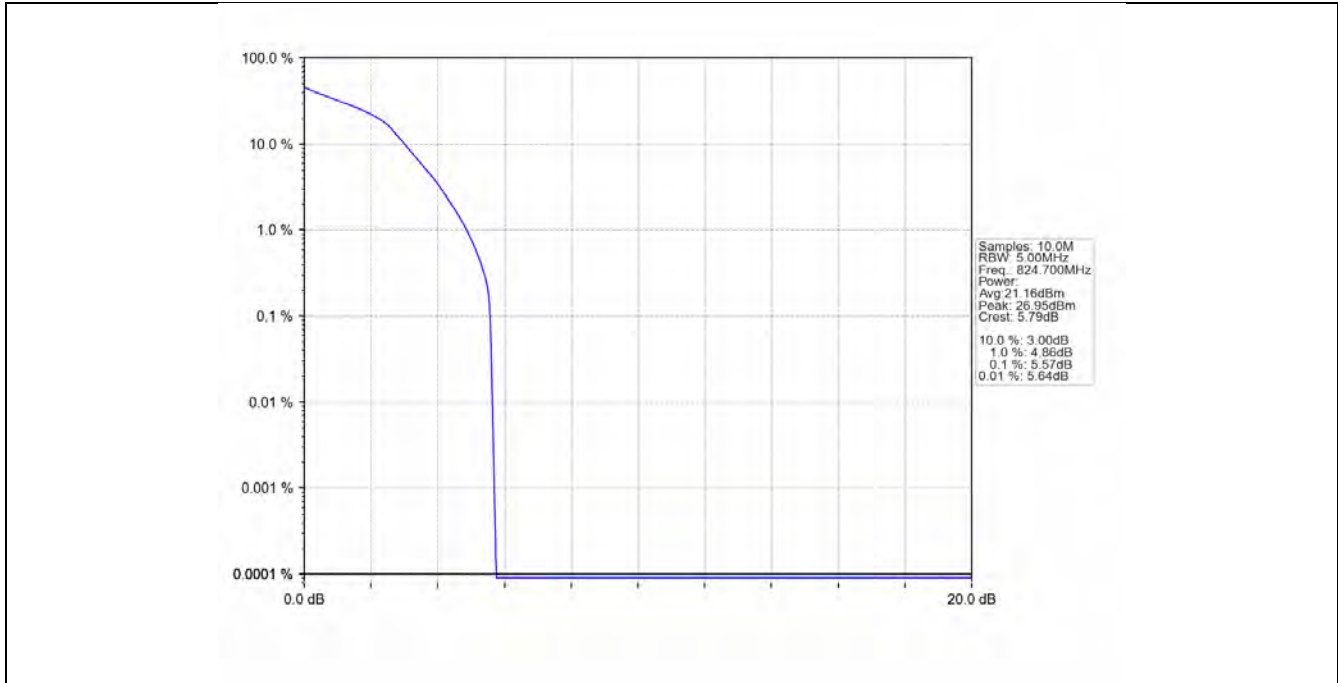


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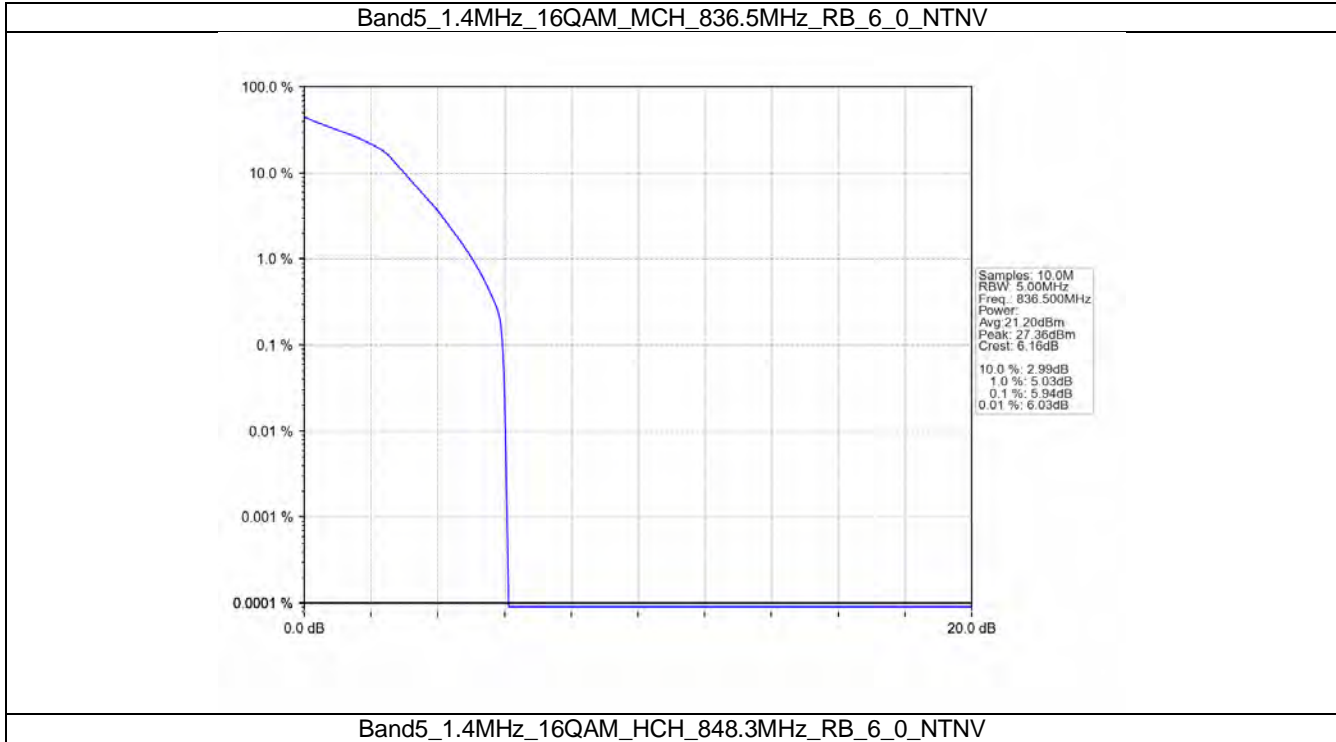


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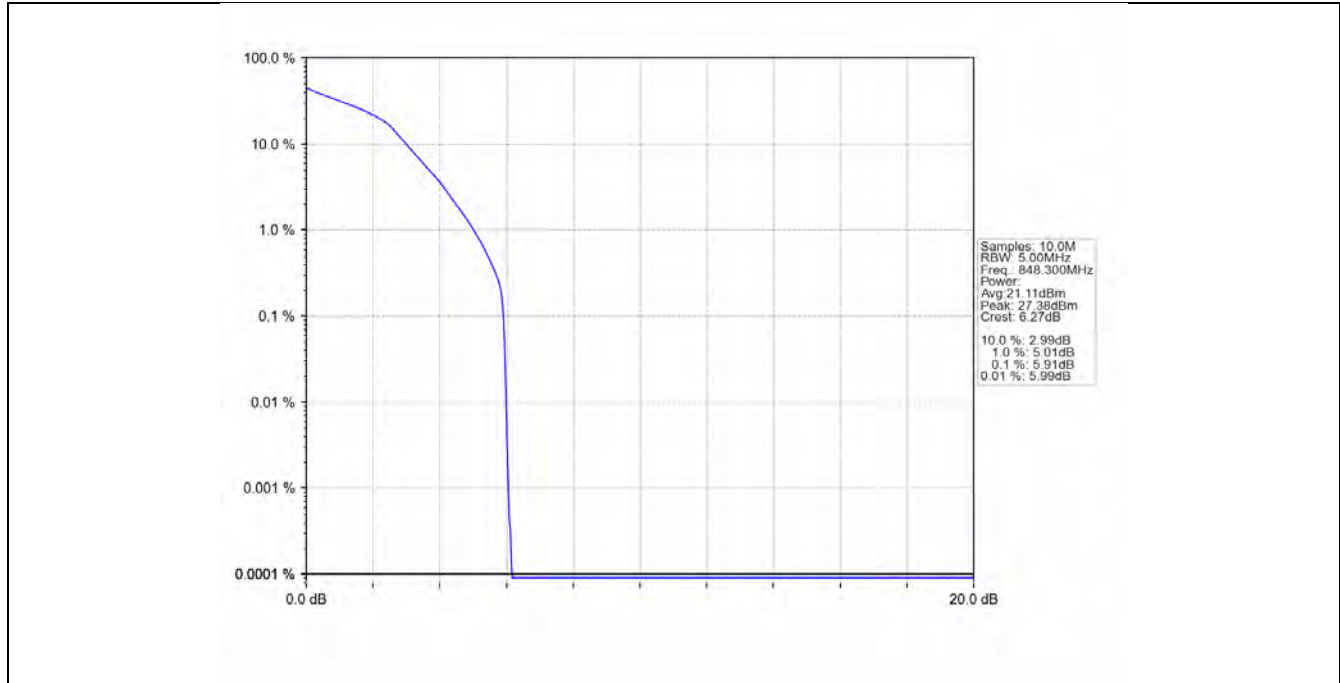


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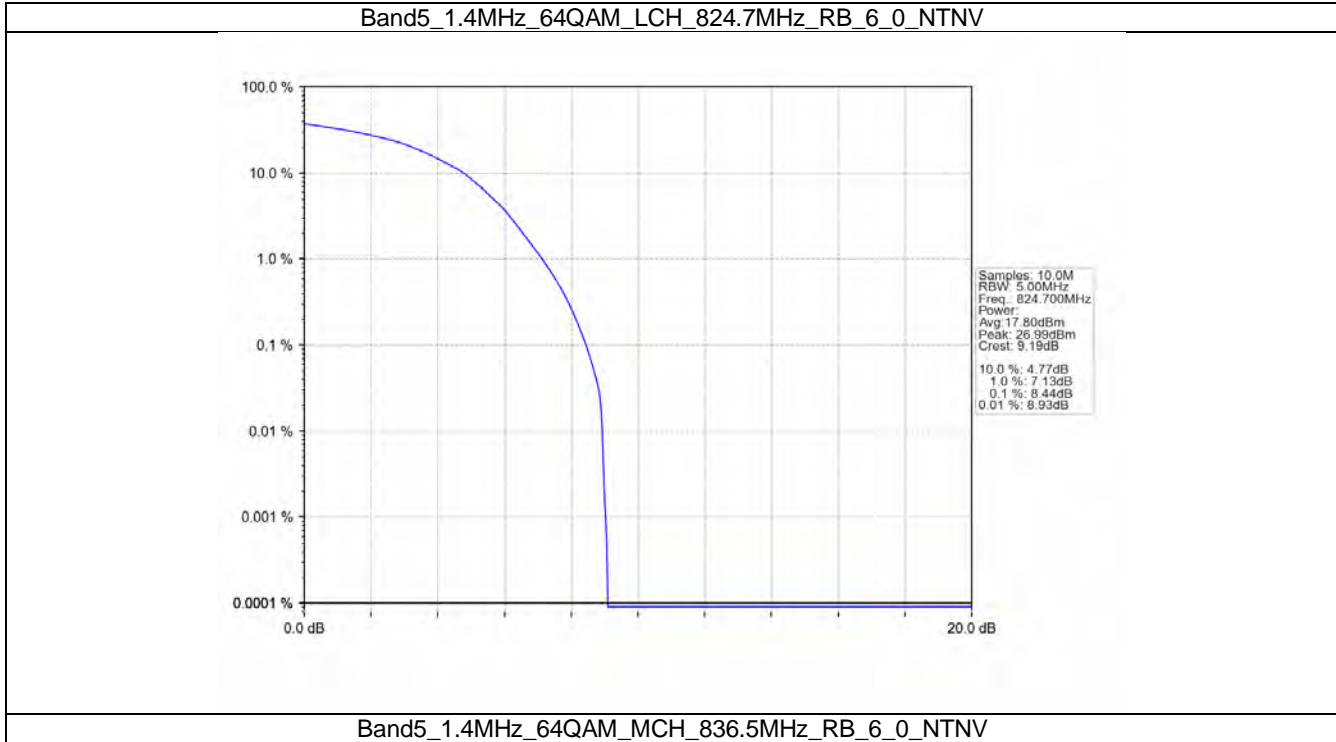


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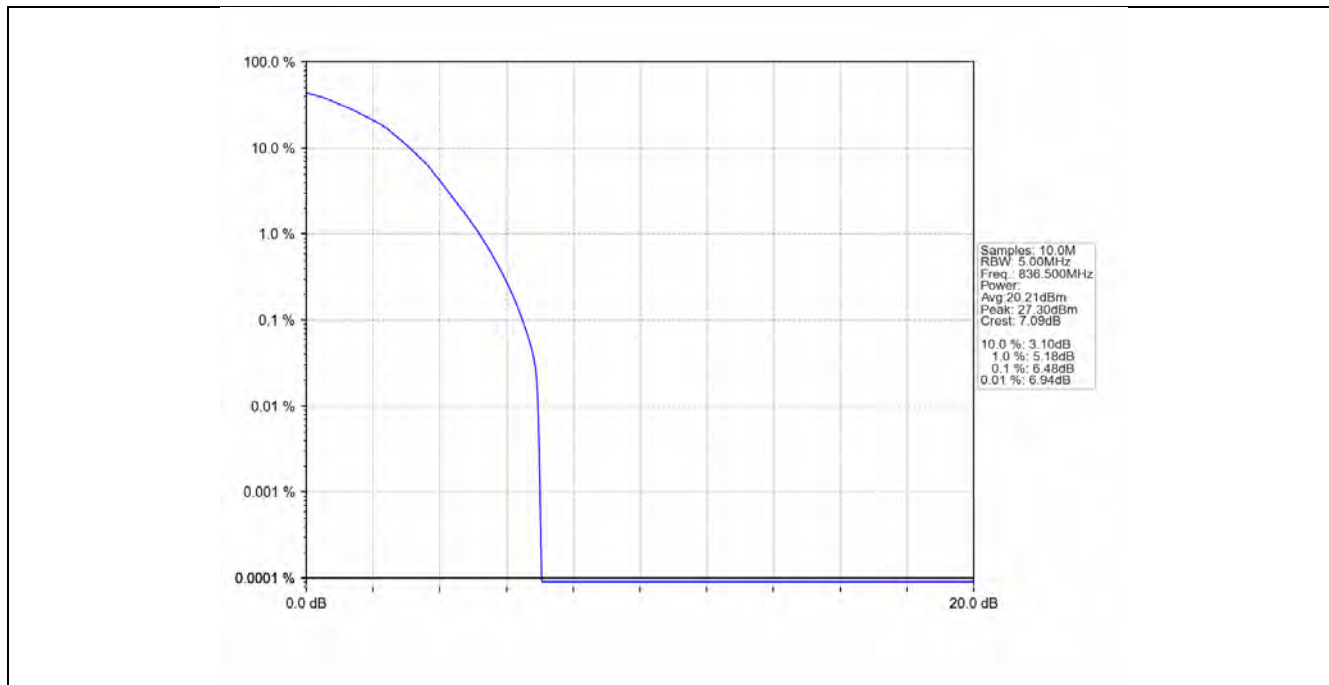
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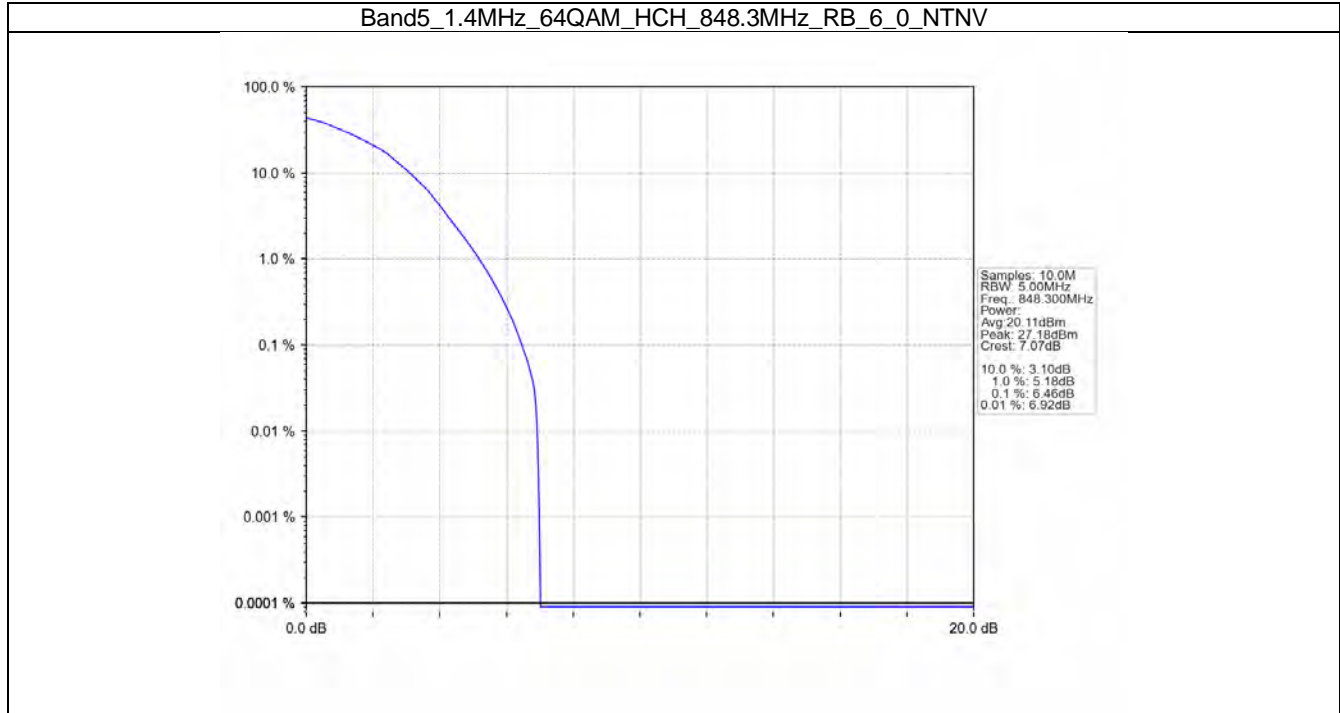


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4.2 B5_3MHz

4.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	4.88	<=13	Pass
	836.5	15	0	5.16	<=13	Pass
	847.5	15	0	5.17	<=13	Pass
16QAM	825.5	15	0	5.75	<=13	Pass
	836.5	15	0	6.05	<=13	Pass
	847.5	15	0	6.05	<=13	Pass
64QAM	825.5	15	0	6.27	<=13	Pass
	836.5	15	0	9.47	<=13	Pass
	847.5	15	0	9.62	<=13	Pass



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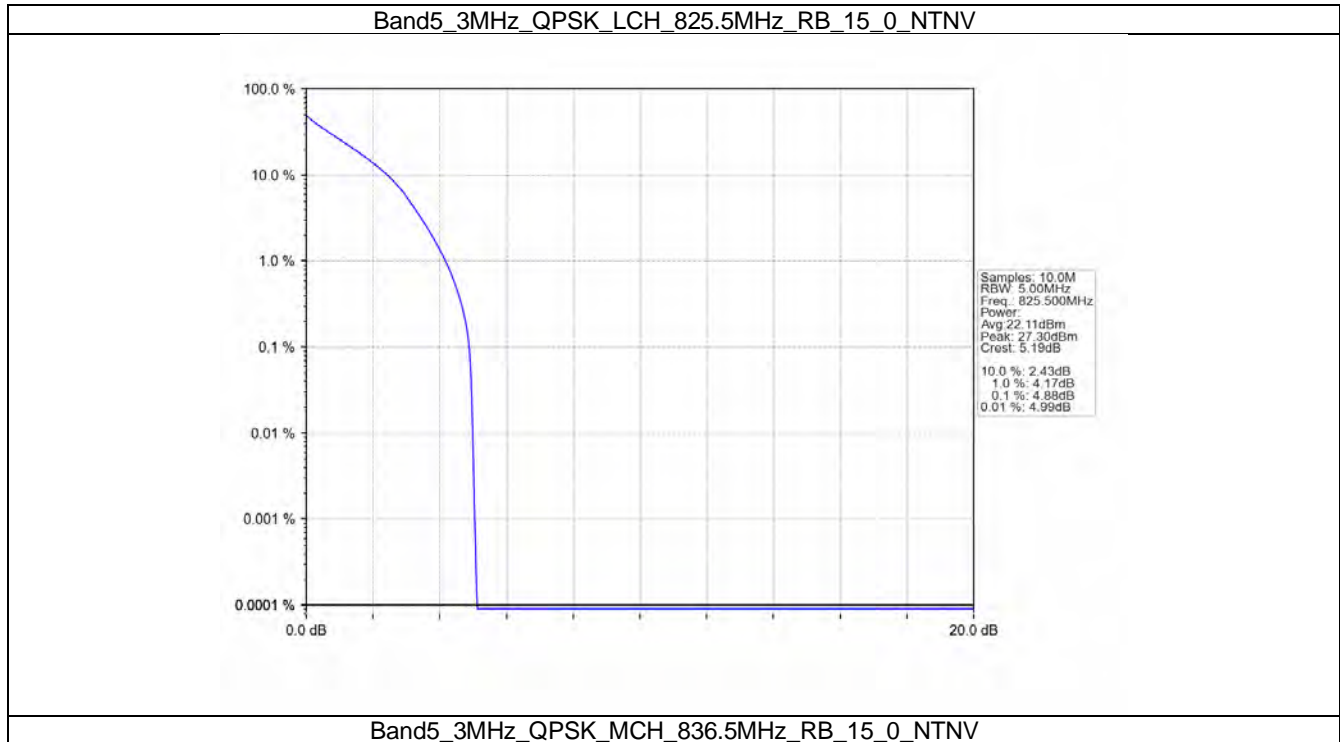
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4.2.2 Test Graph



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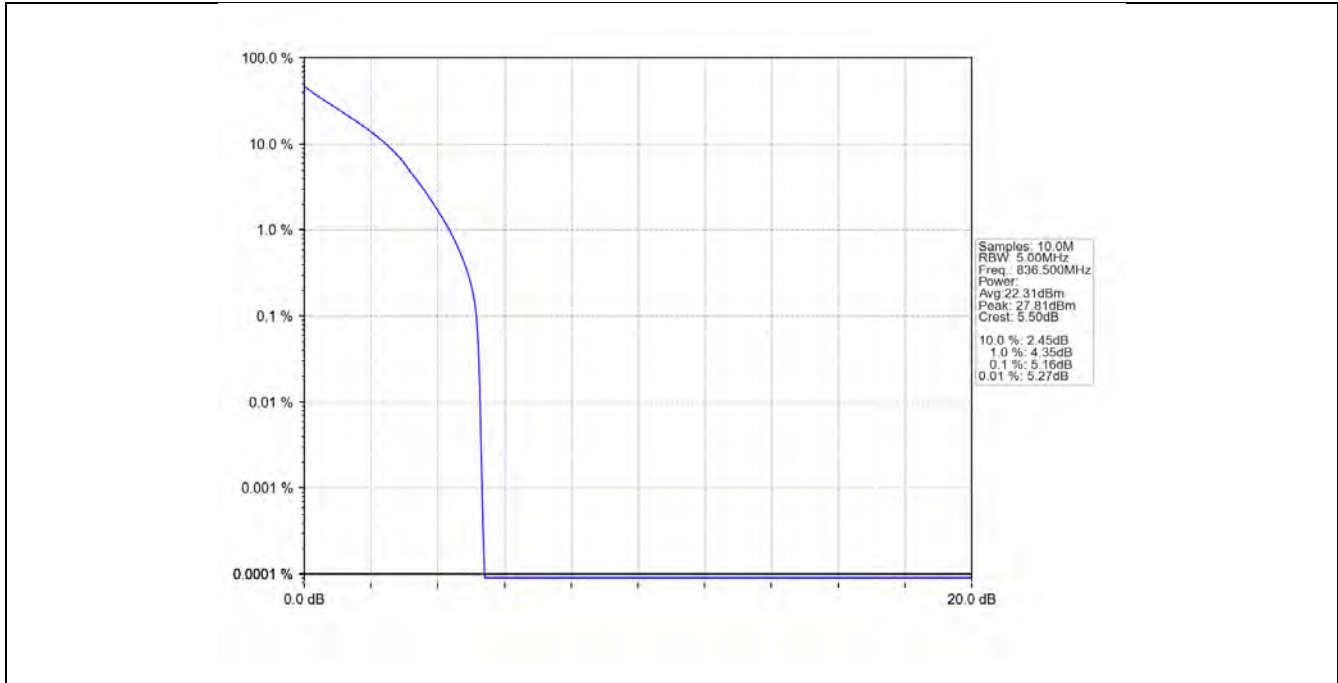


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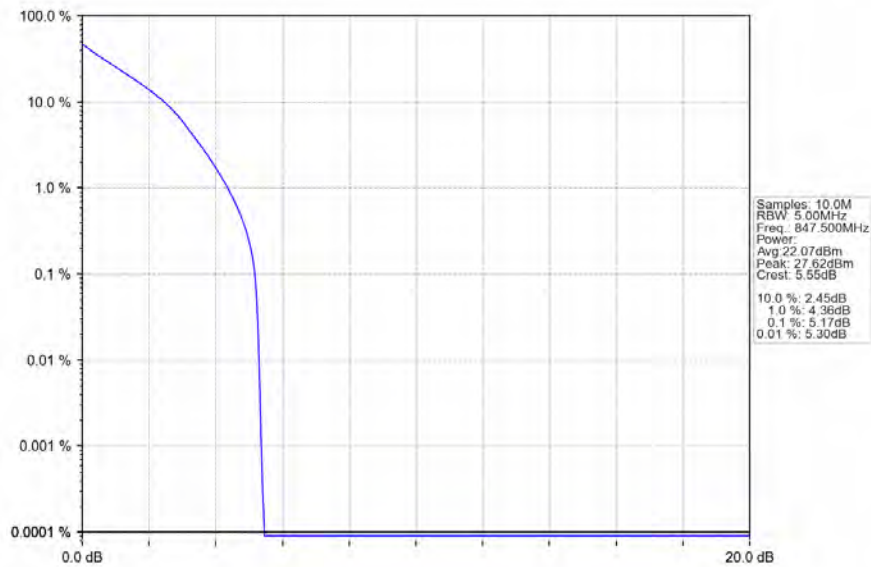
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Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



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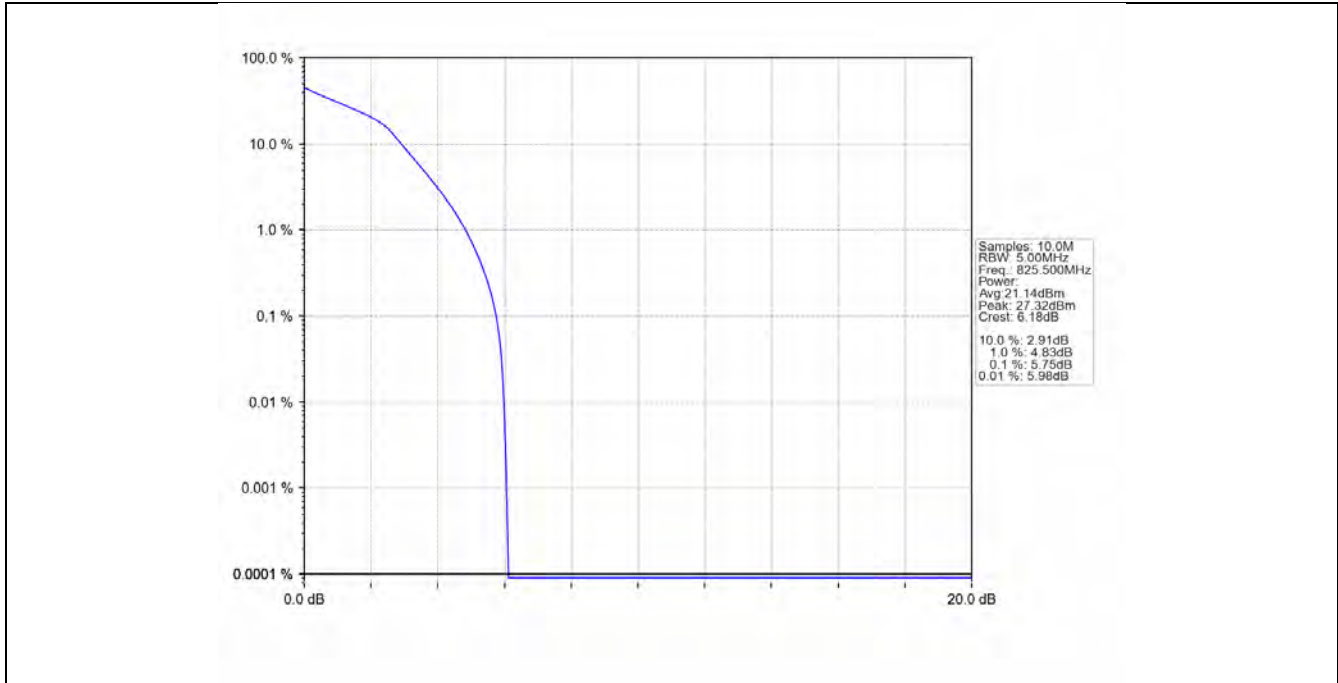


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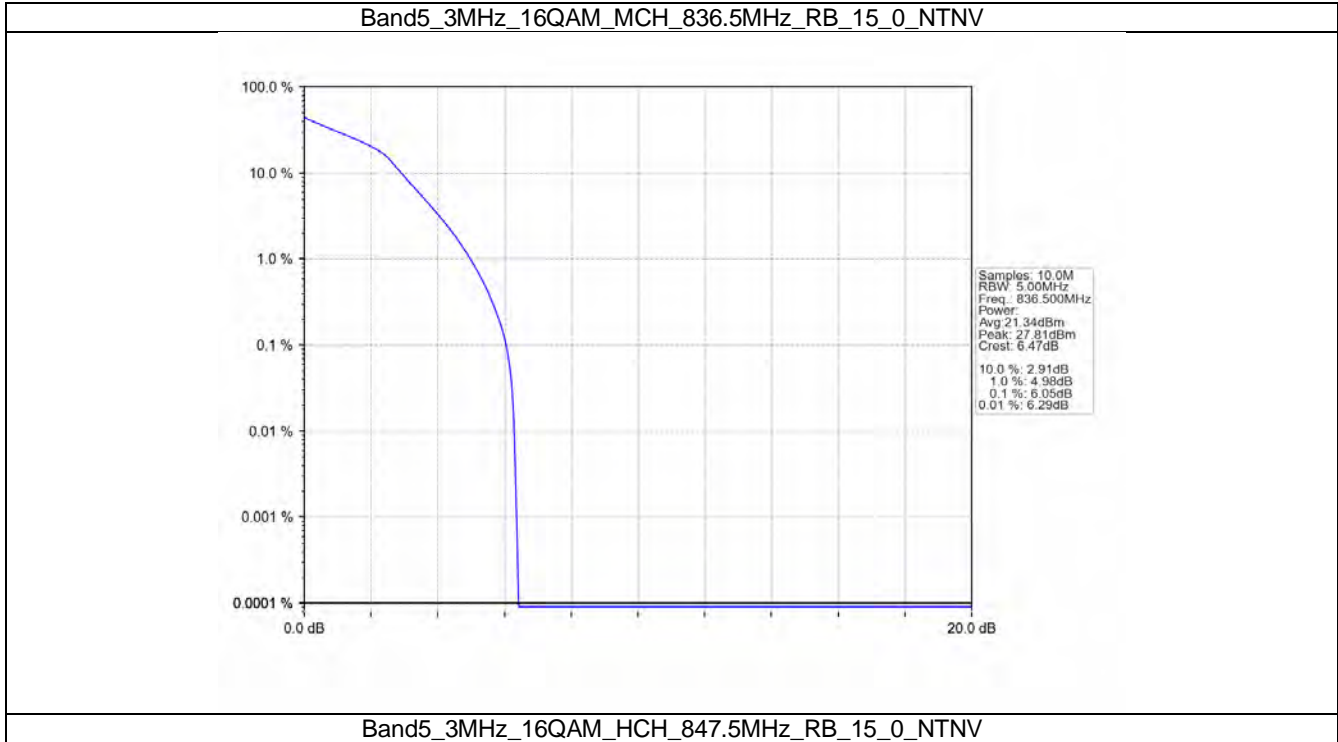


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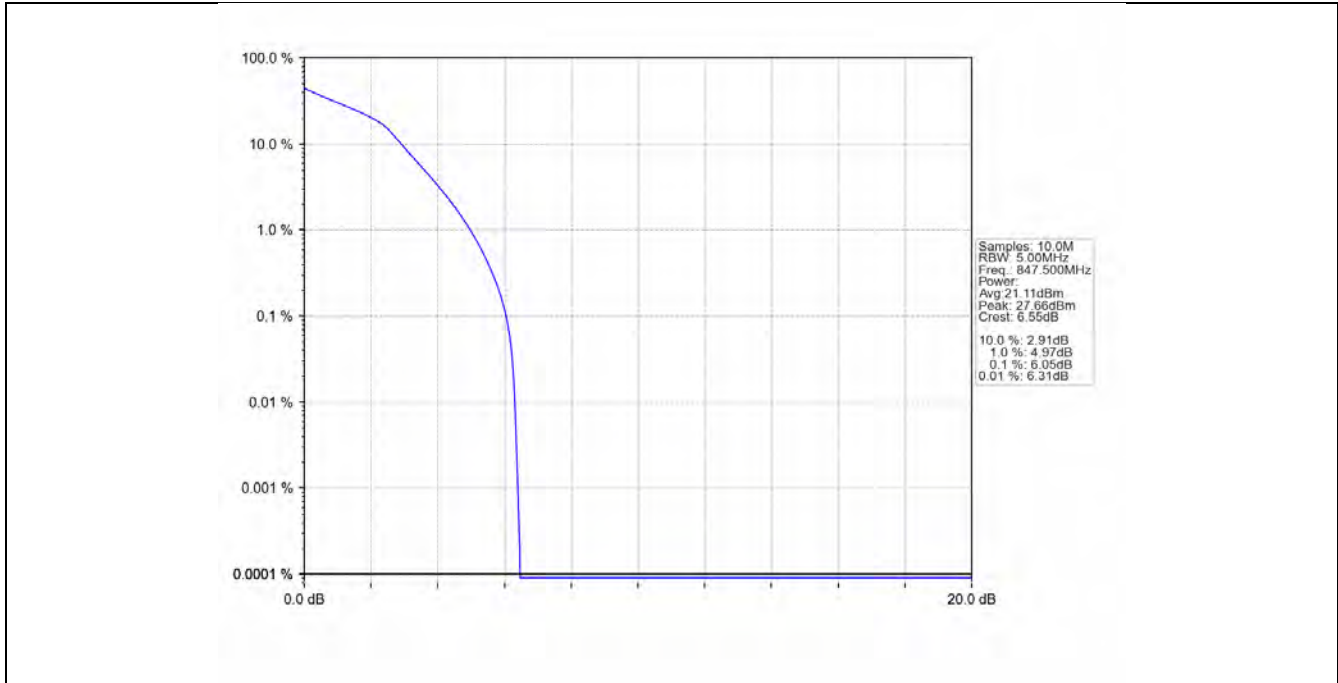


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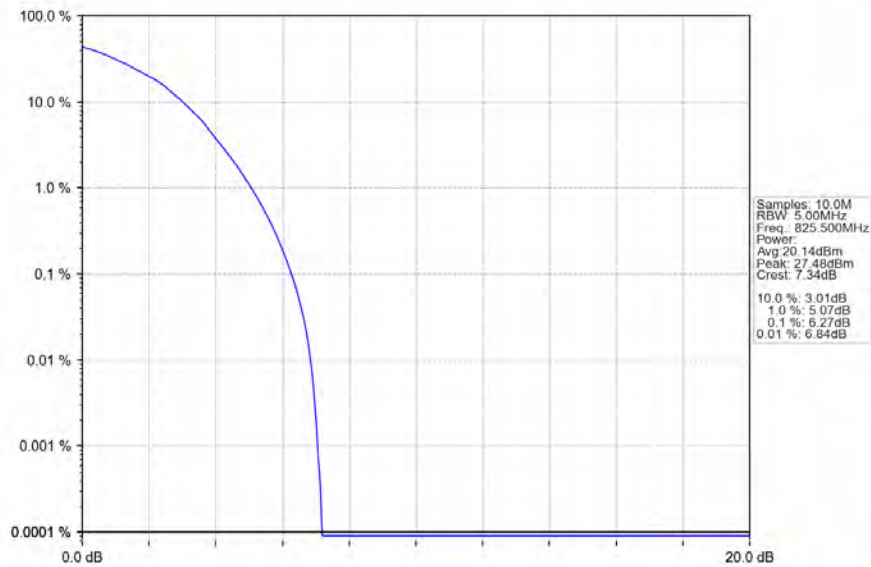
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Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



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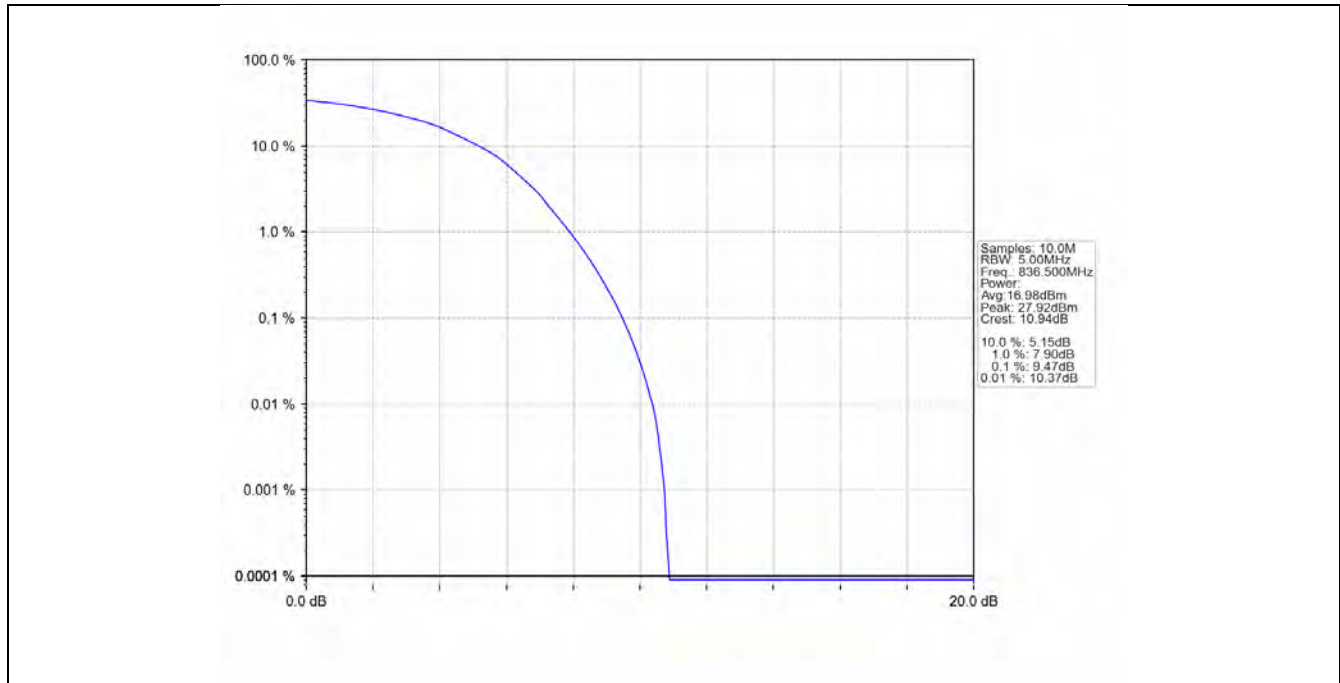


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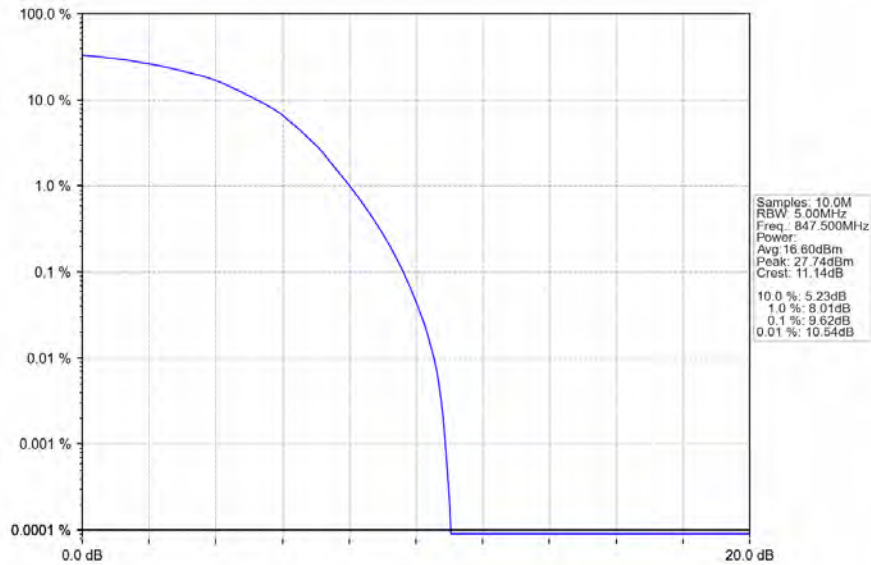
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Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV



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4.3 B5_5MHz

4.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.16	<=13	Pass
	836.5	25	0	5.38	<=13	Pass
	846.5	25	0	5.37	<=13	Pass
16QAM	826.5	25	0	5.95	<=13	Pass
	836.5	25	0	6.20	<=13	Pass
	846.5	25	0	6.16	<=13	Pass
64QAM	826.5	25	0	9.52	<=13	Pass
	836.5	25	0	9.79	<=13	Pass
	846.5	25	0	9.92	<=13	Pass



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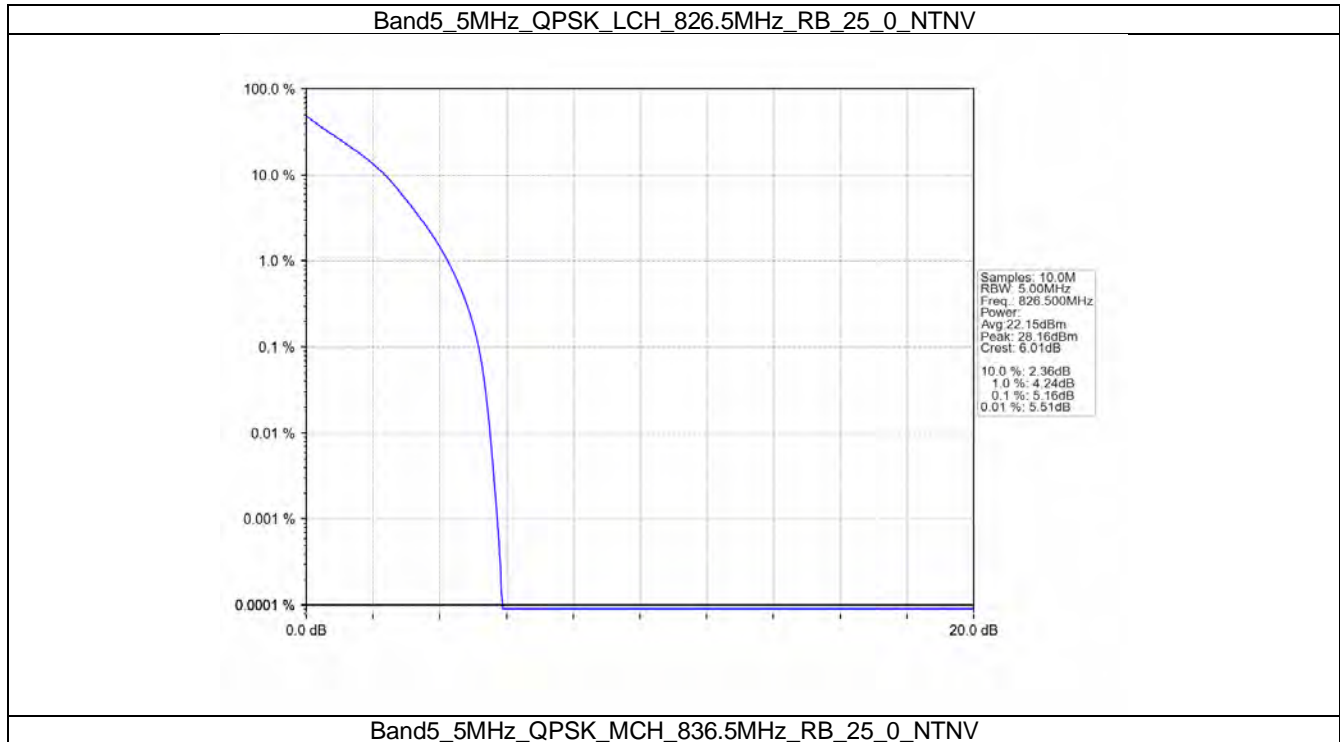
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4.3.2 Test Graph



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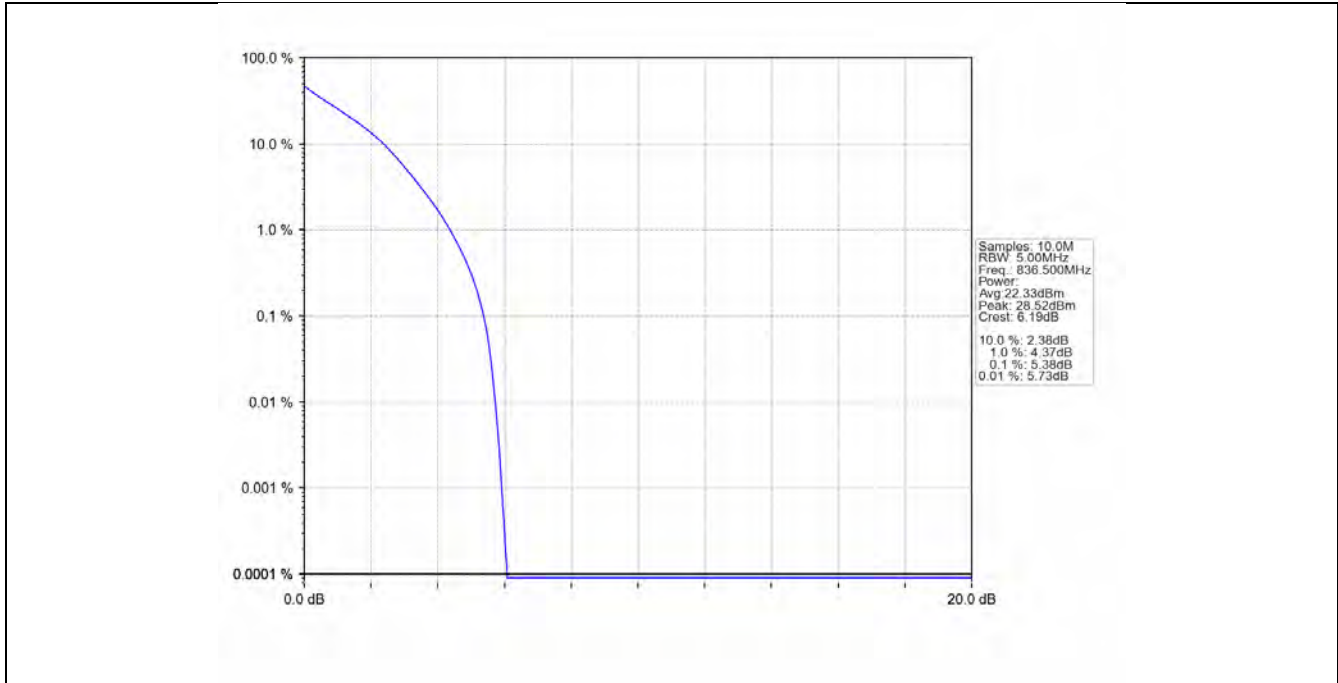
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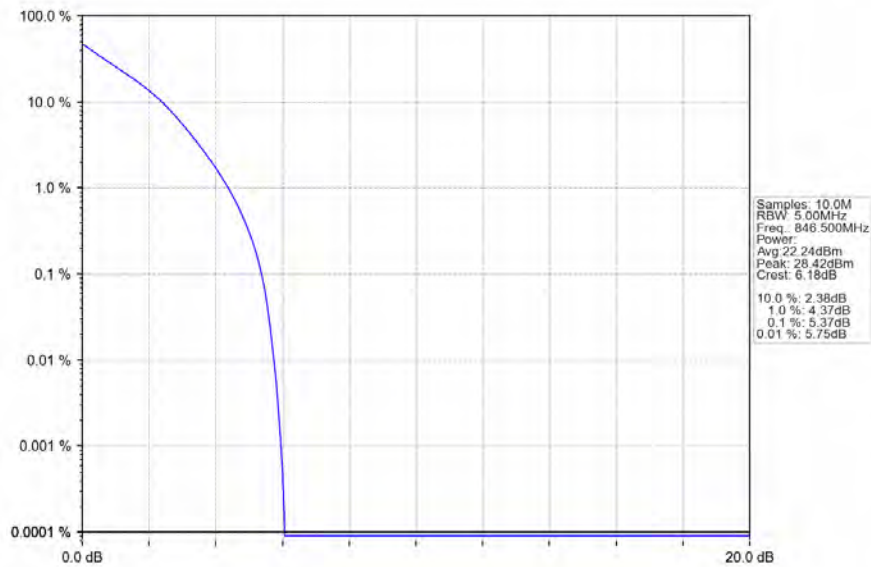
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Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



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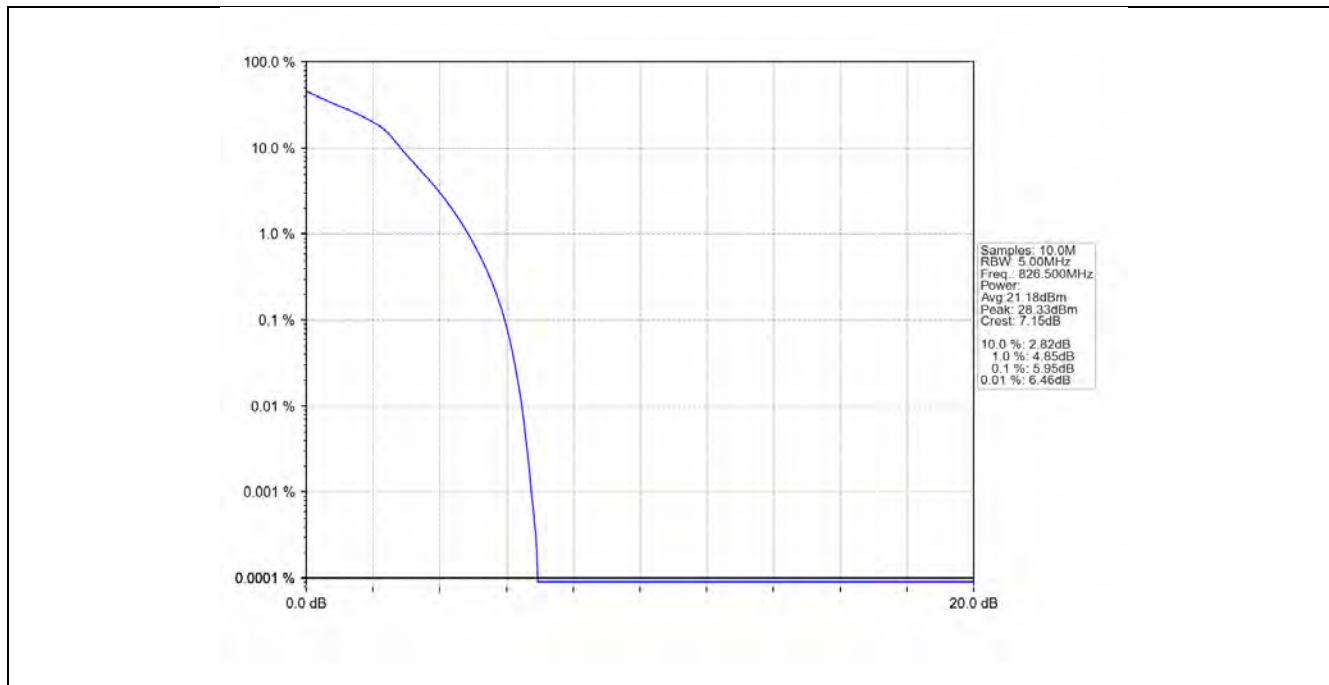
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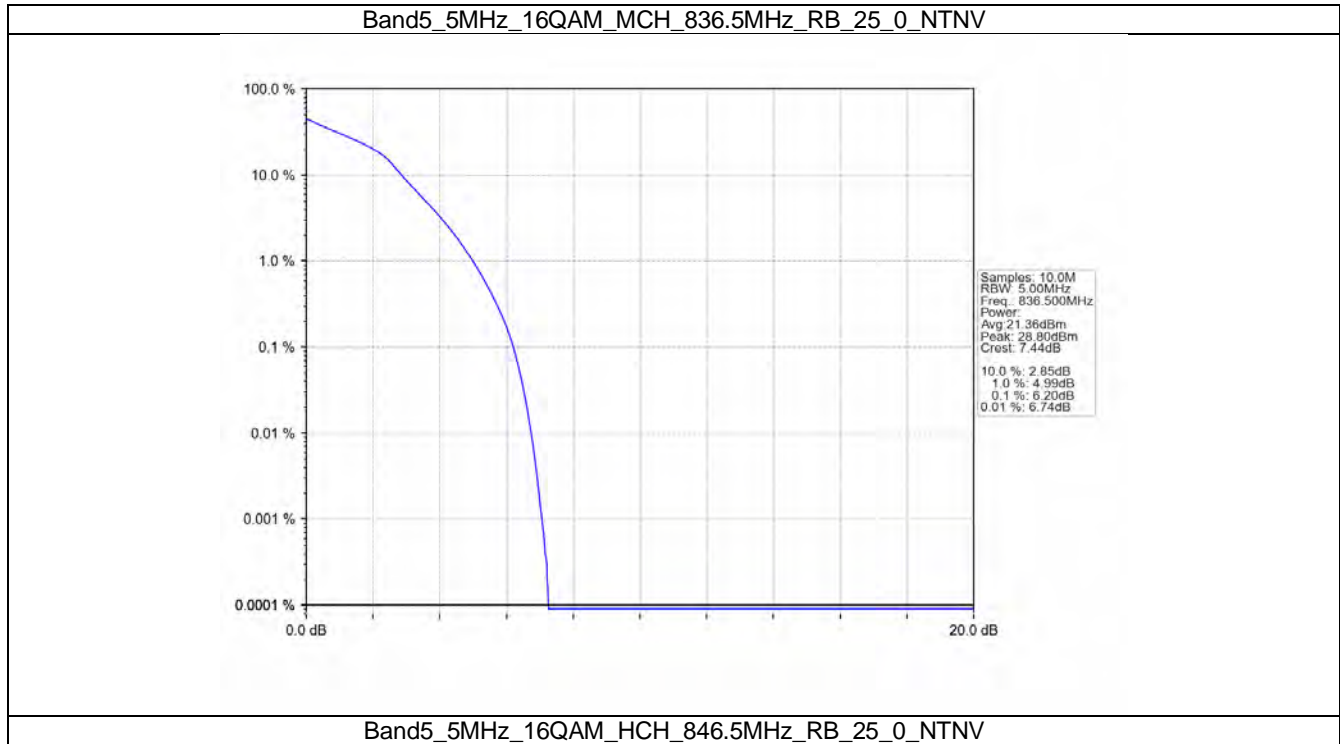


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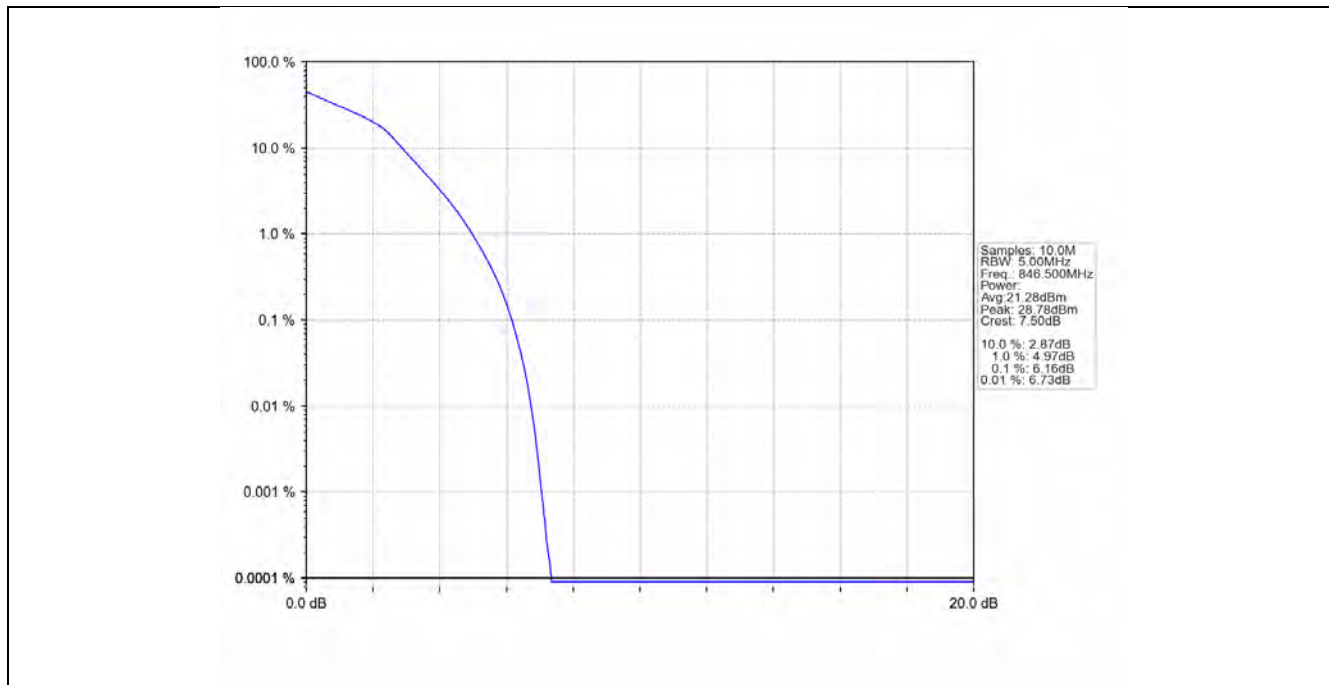
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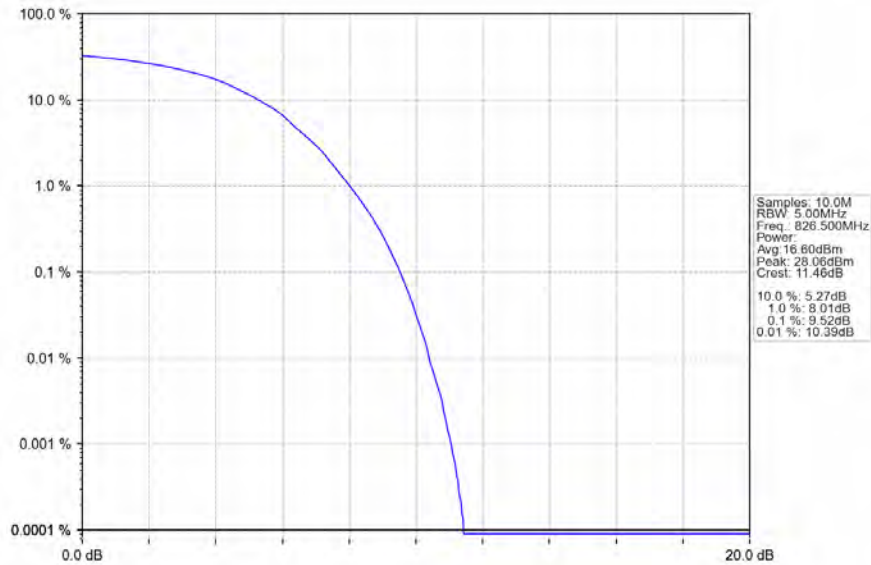
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Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



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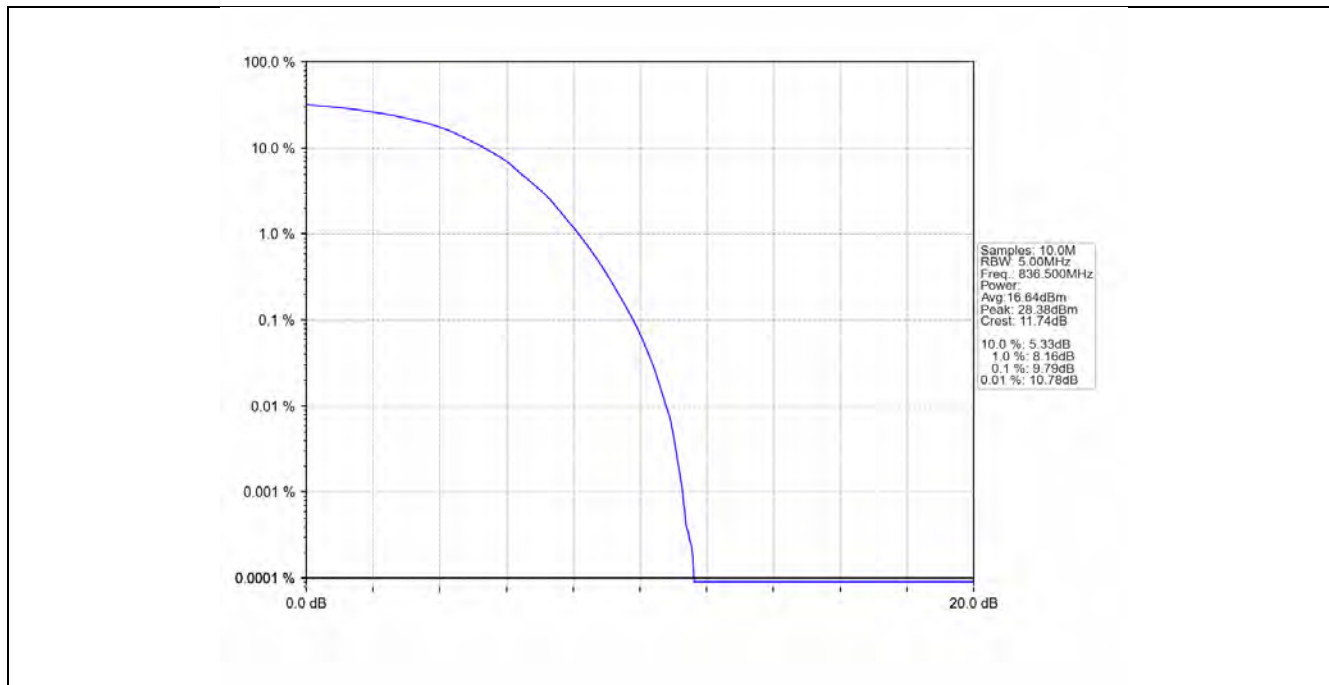
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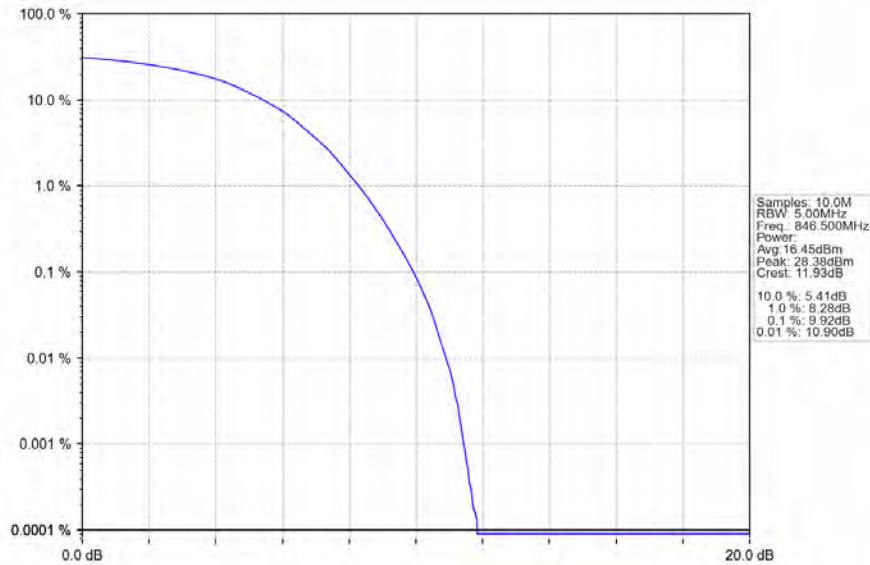
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4.4 B5_10MHz

4.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.20	<=13	Pass
	836.5	50	0	5.35	<=13	Pass
	844	50	0	5.31	<=13	Pass
16QAM	829	50	0	5.96	<=13	Pass
	836.5	50	0	6.11	<=13	Pass
	844	50	0	6.07	<=13	Pass
64QAM	829	50	0	6.36	<=13	Pass
	836.5	50	0	7.38	<=13	Pass
	844	50	0	6.42	<=13	Pass



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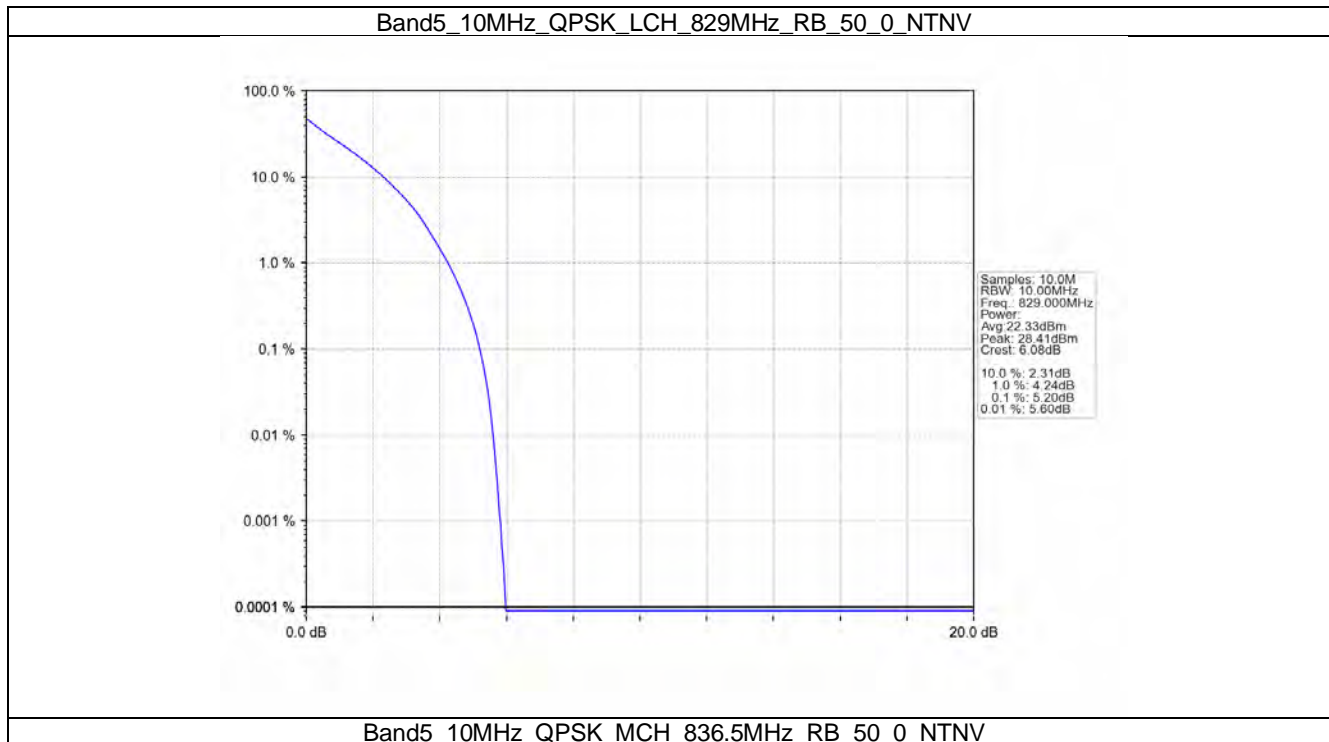
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4.4.2 Test Graph



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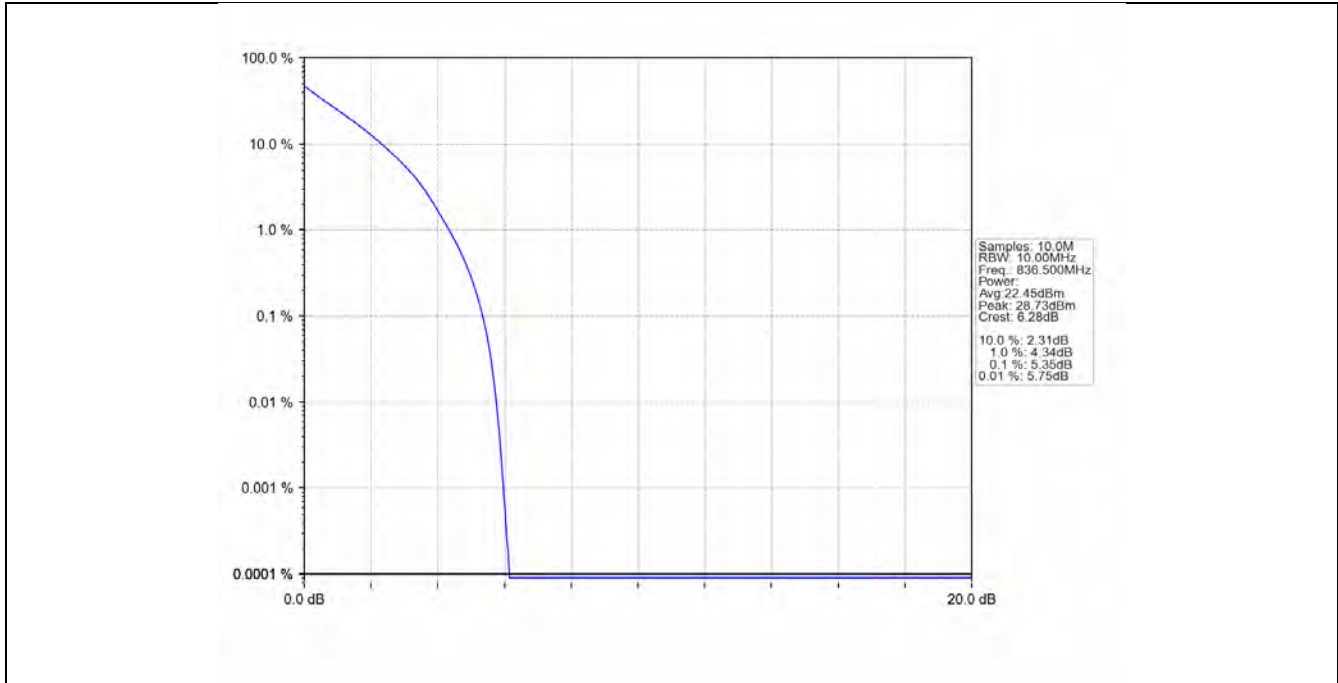


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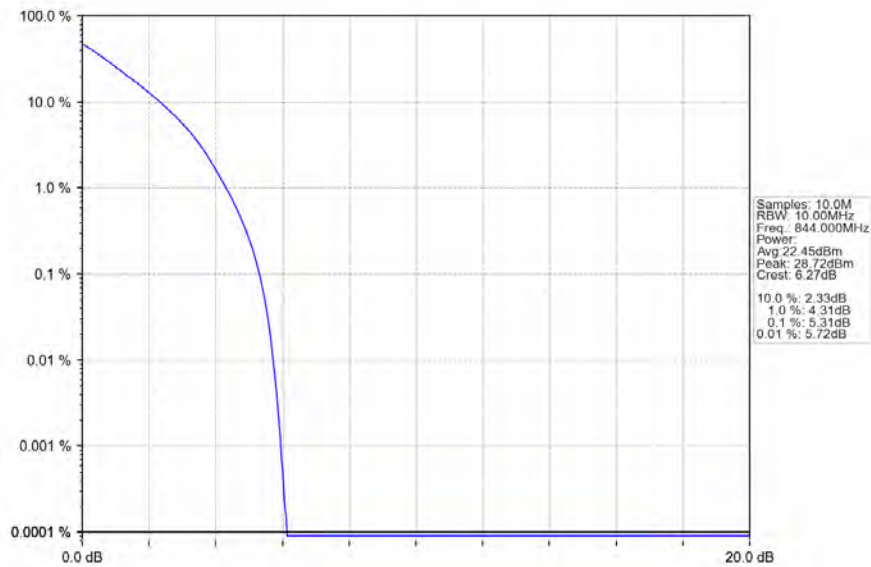
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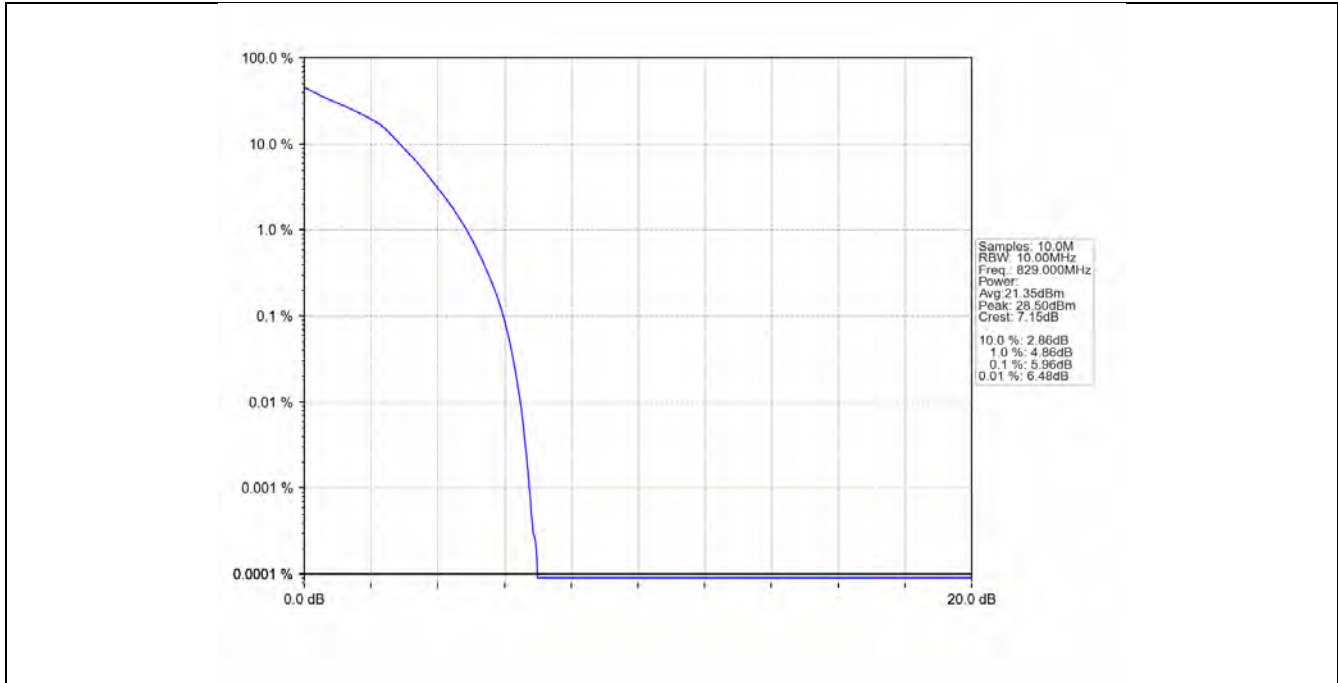


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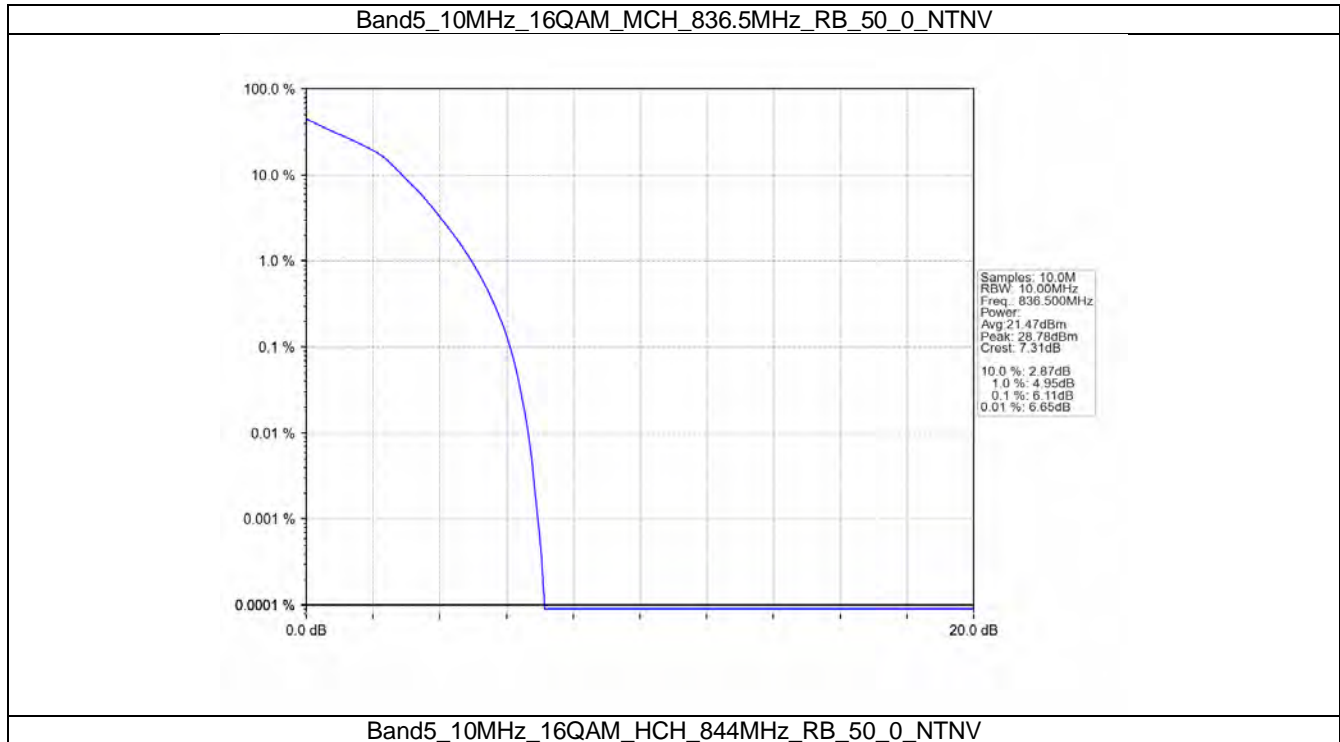


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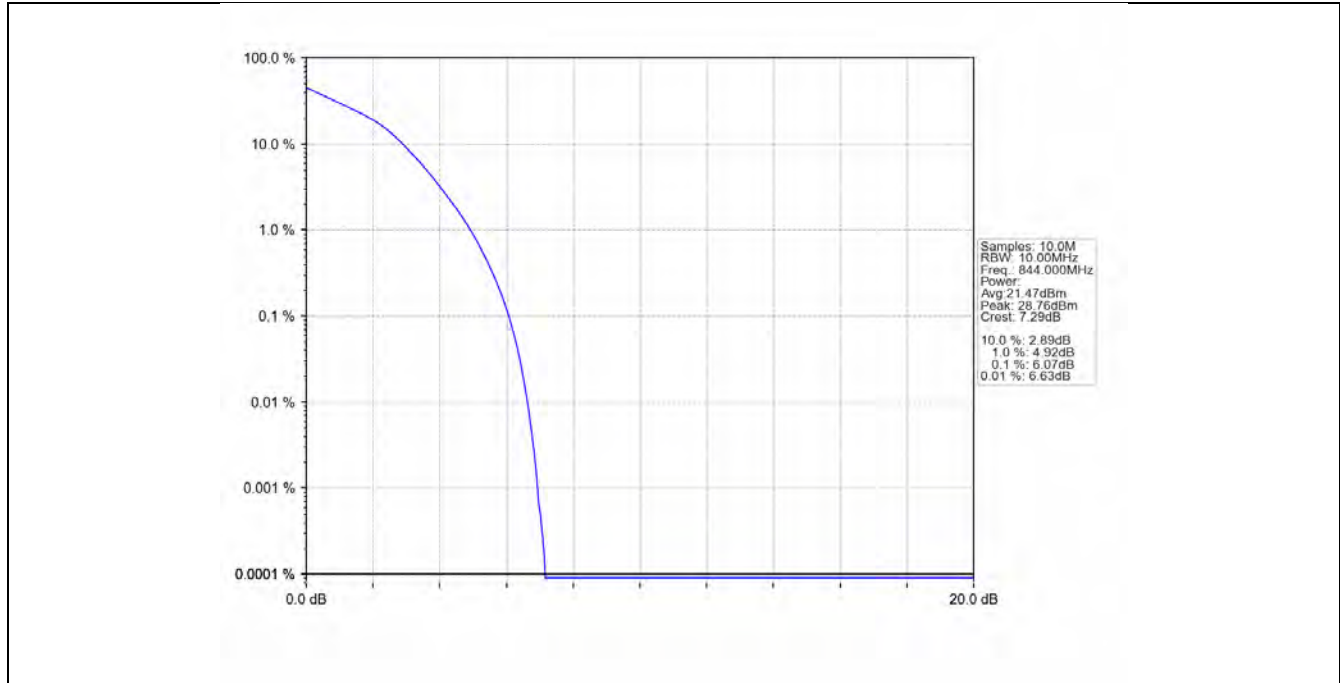


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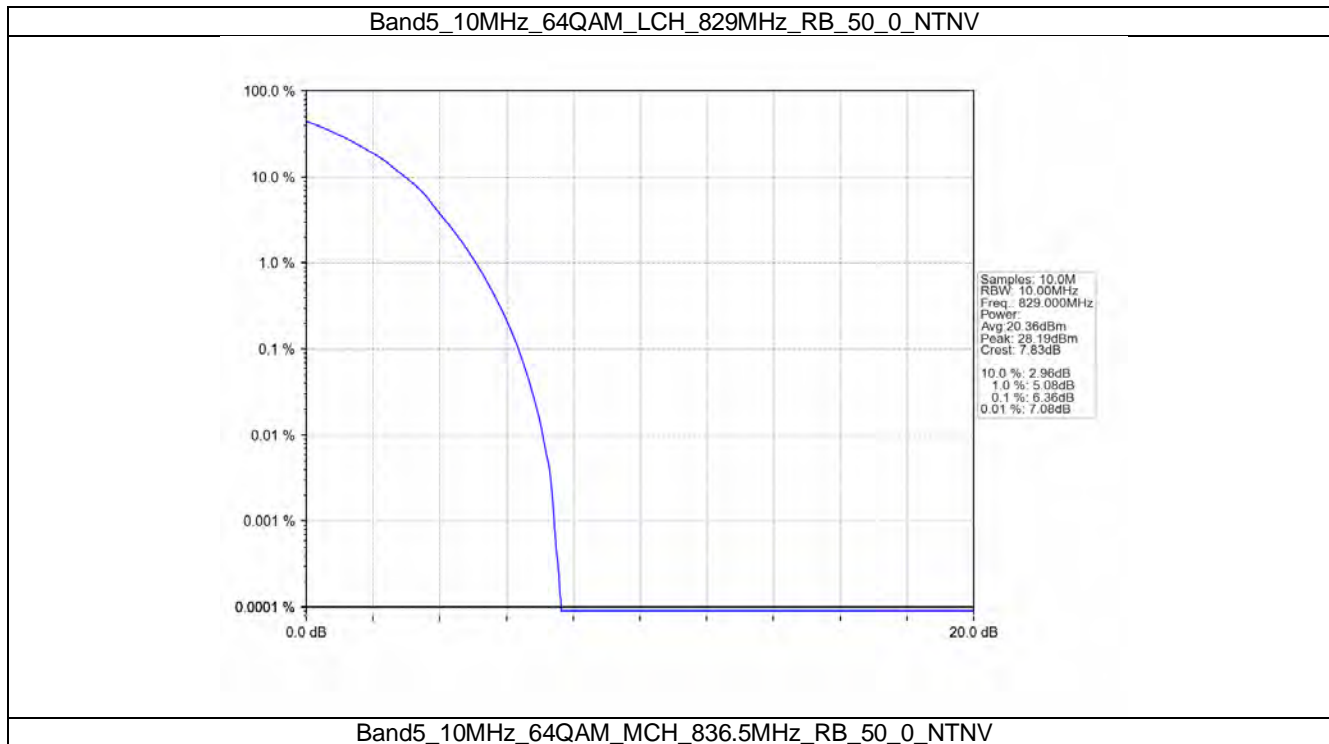
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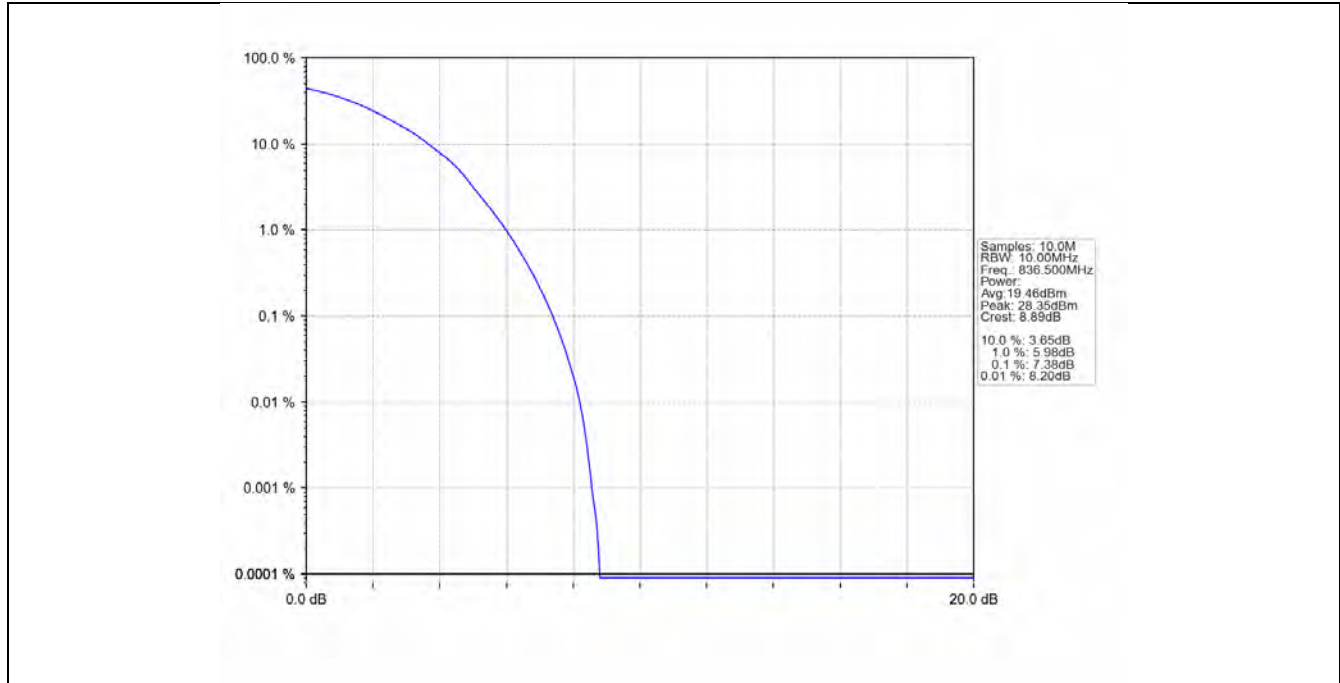


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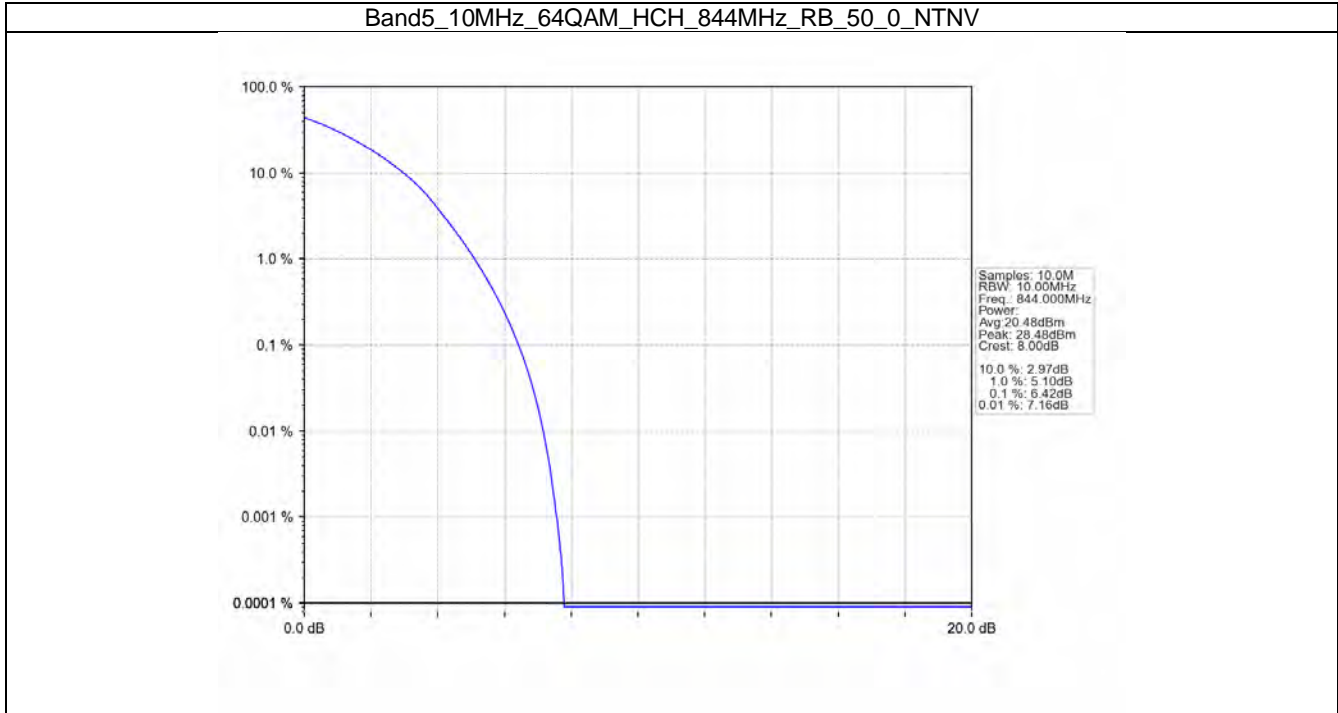
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Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV



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5. Spurious Emission & Band Edges

5.1 B5_1.4MHz

5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV							
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	
	836.5	1	0	Refer To Test Graph		Pass	
		848.3	1	0	Refer To Test Graph		Pass
				5	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	
	836.5	1	0	Refer To Test Graph		Pass	
		848.3	1	0	Refer To Test Graph		Pass
				5	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	
	836.5	1	0	Refer To Test Graph		Pass	
		848.3	1	0	Refer To Test Graph		Pass
				5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass	



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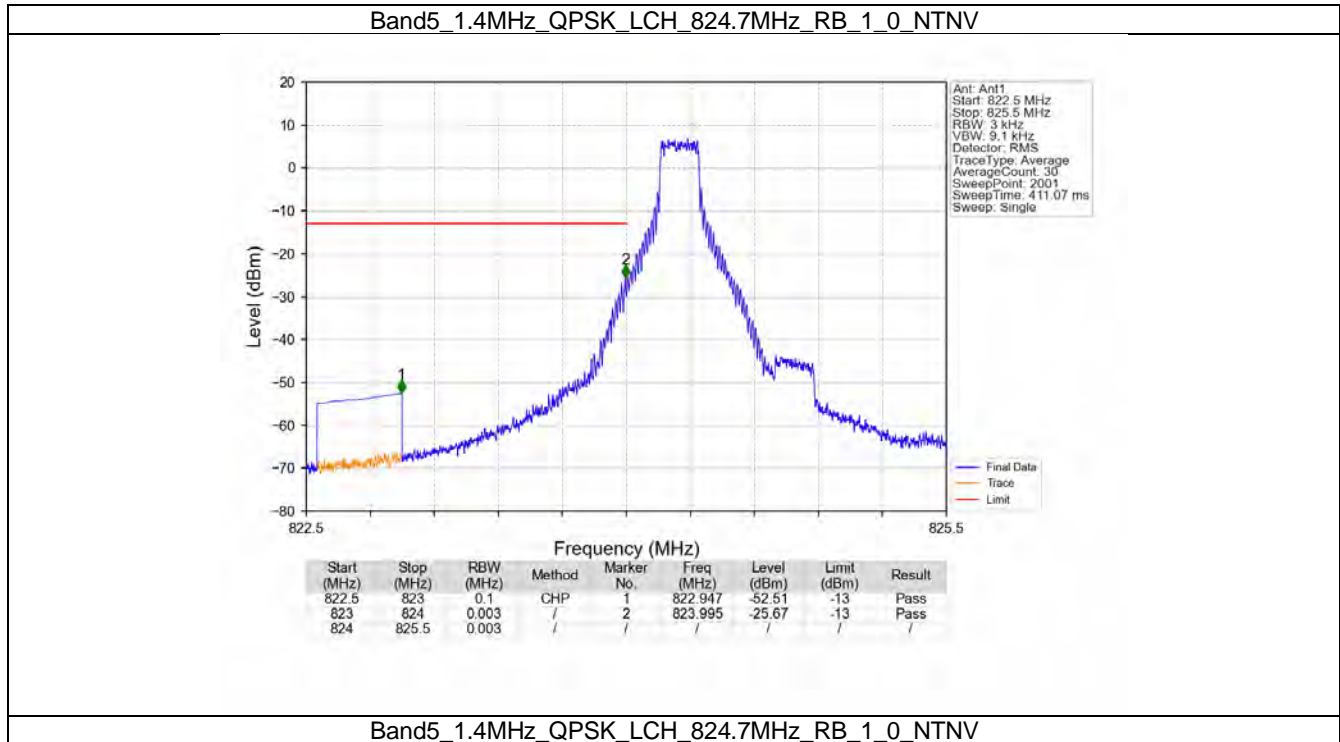
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5.1.2 Test Graph



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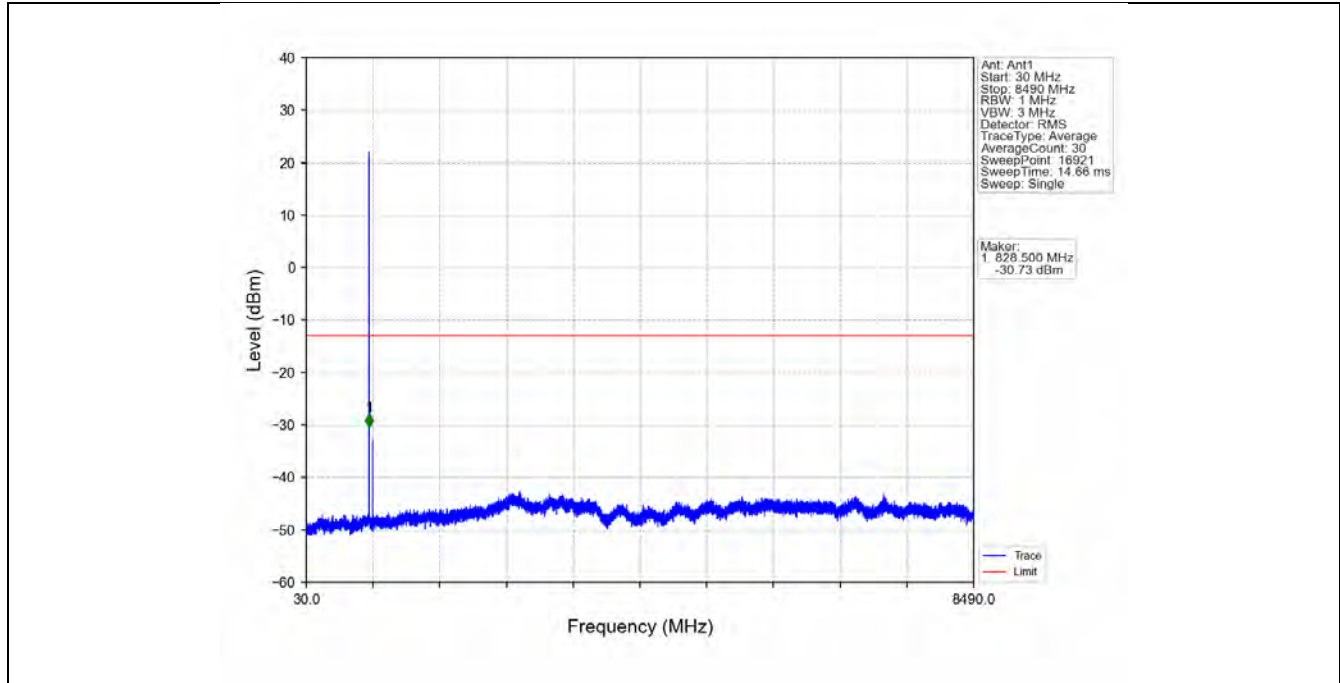


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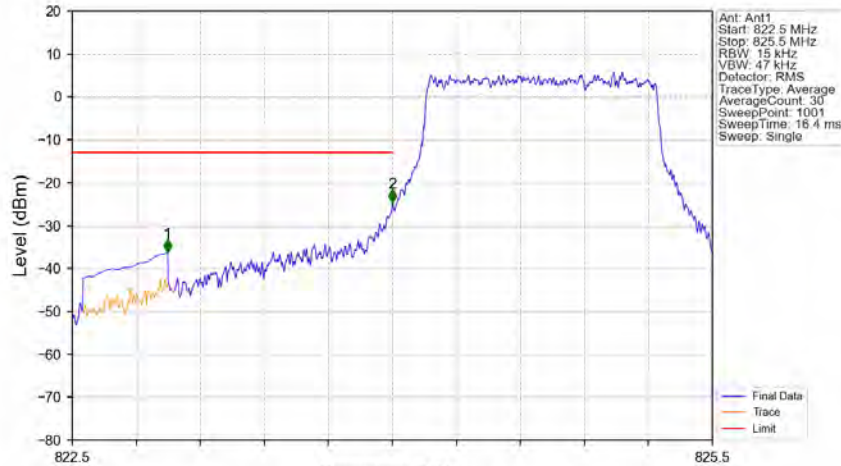
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Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



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	-36.24	-13	Pass
823	824	0.015	/	2	824.000	-24.68	-13	Pass
824	825.5	0.015	/	/	/	/	/	/

Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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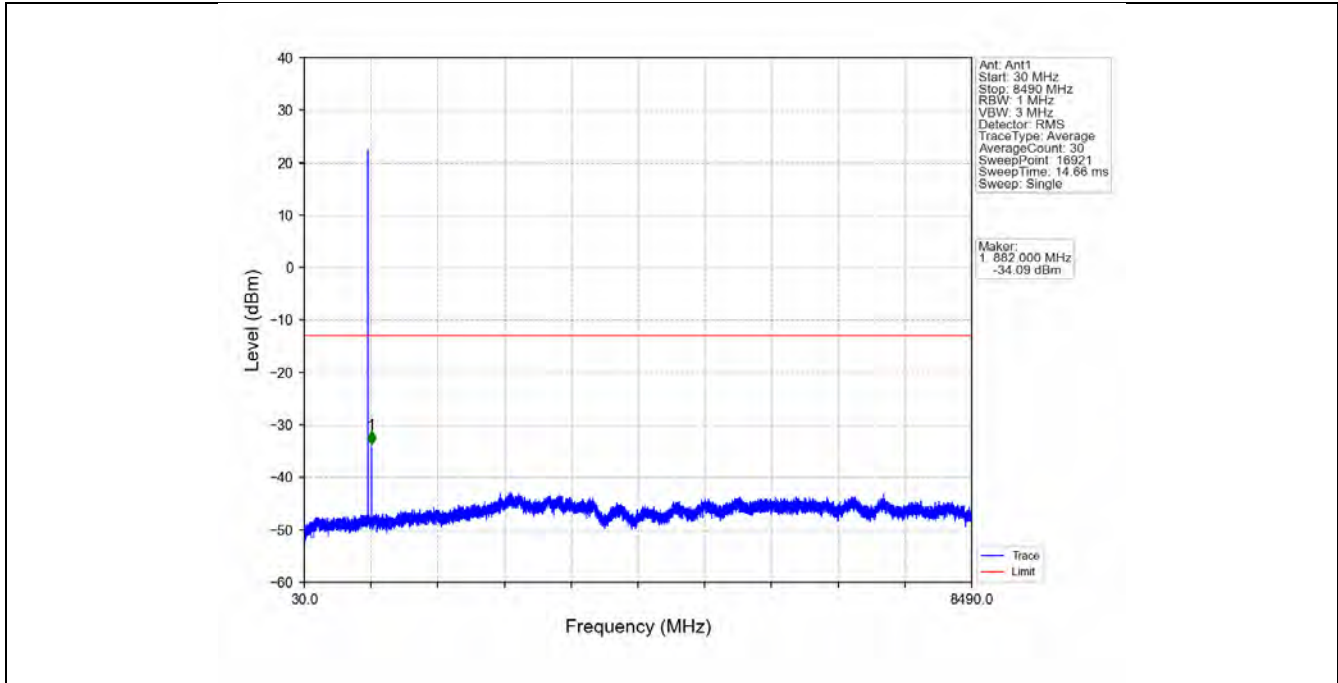


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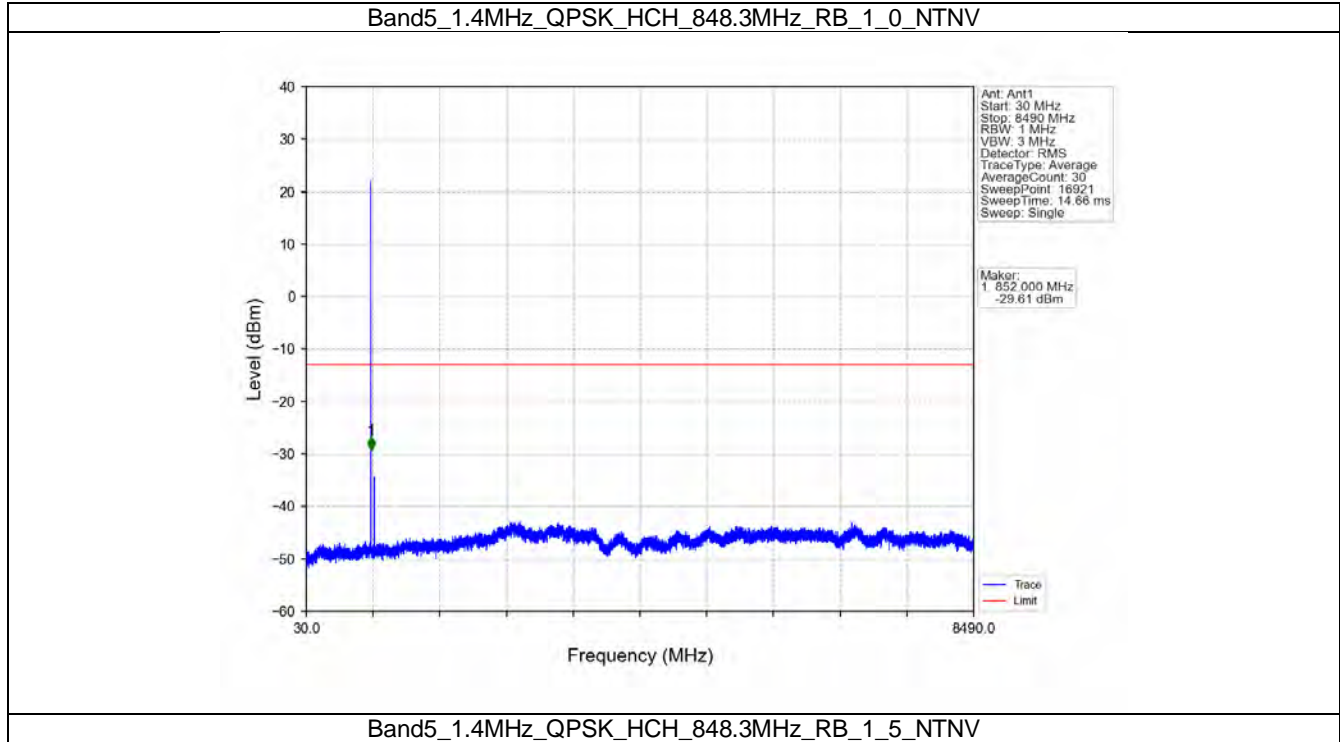


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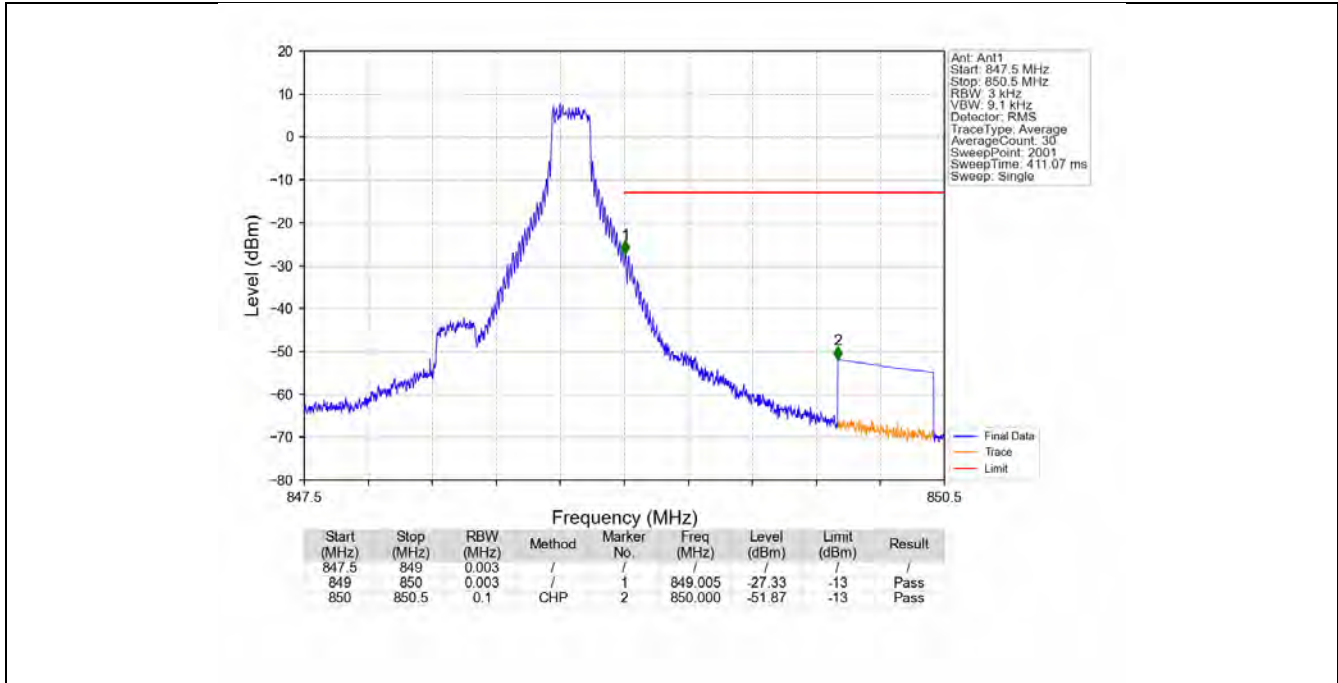


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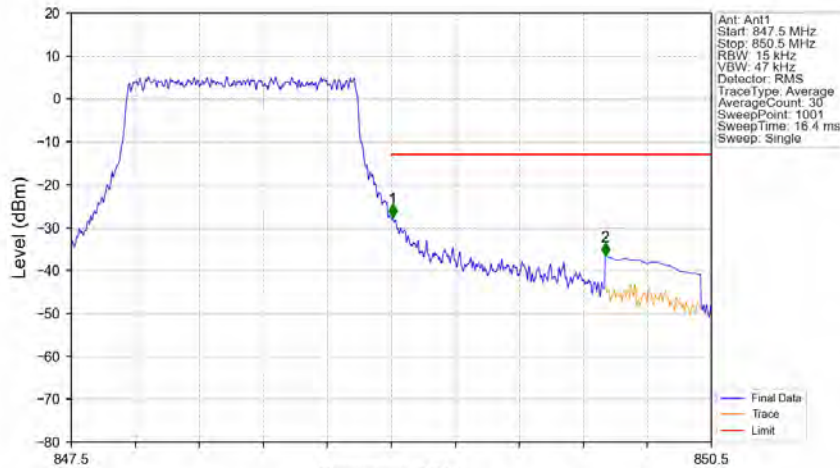
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Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.015	/	/	/	/	/	/
849	850	0.015	/	1	849.006	-27.62	-13	Pass
850	850.5	0.1	CHP	2	850.002	-36.62	-13	Pass

Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



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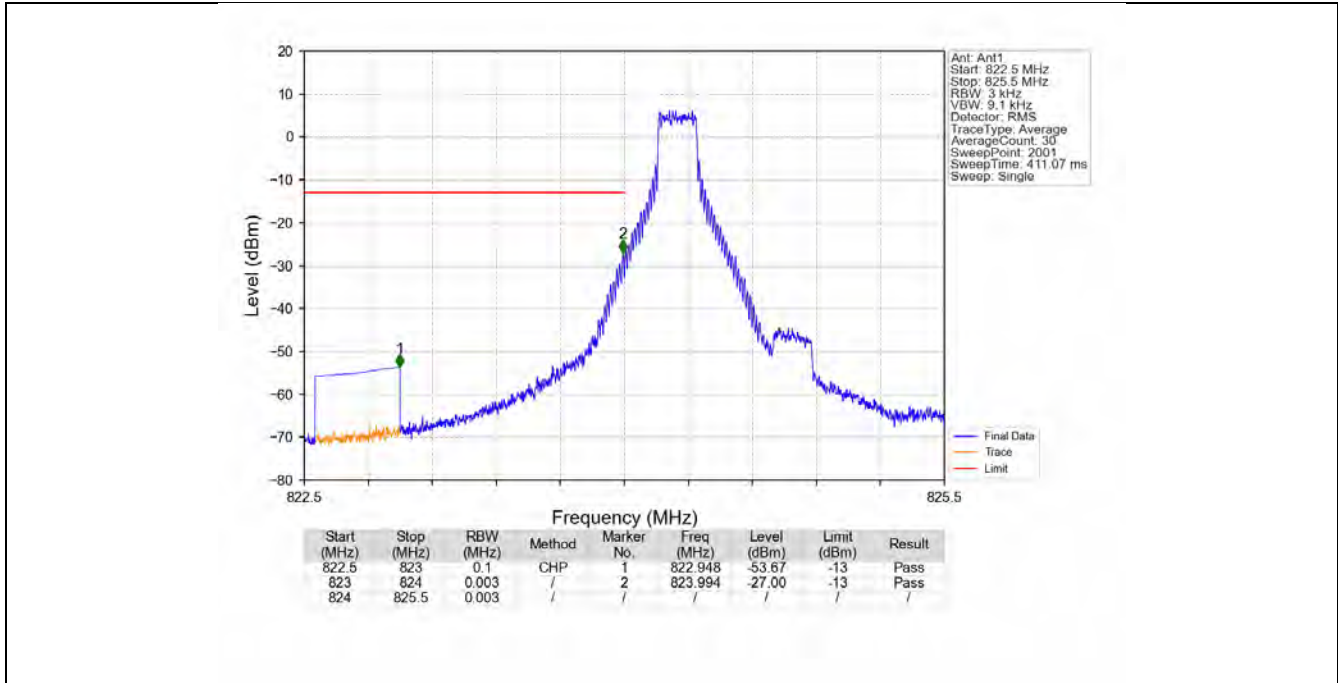


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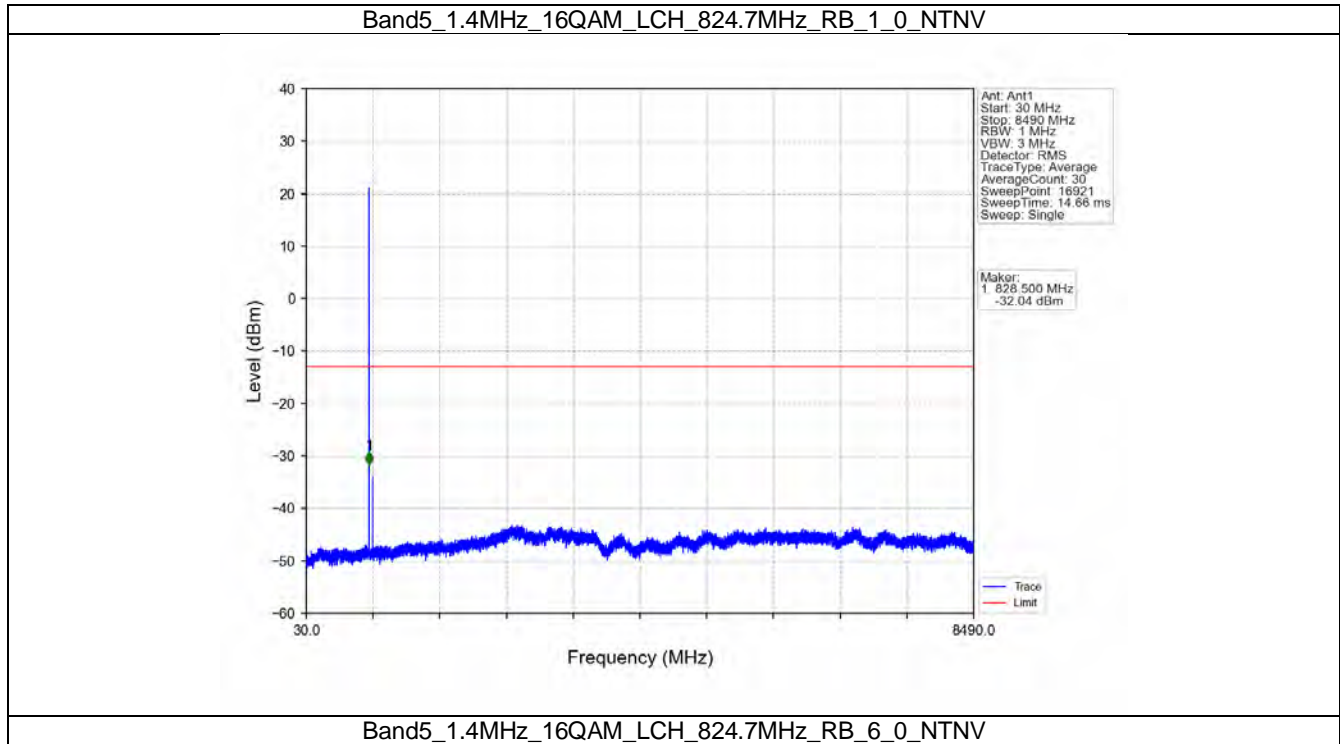


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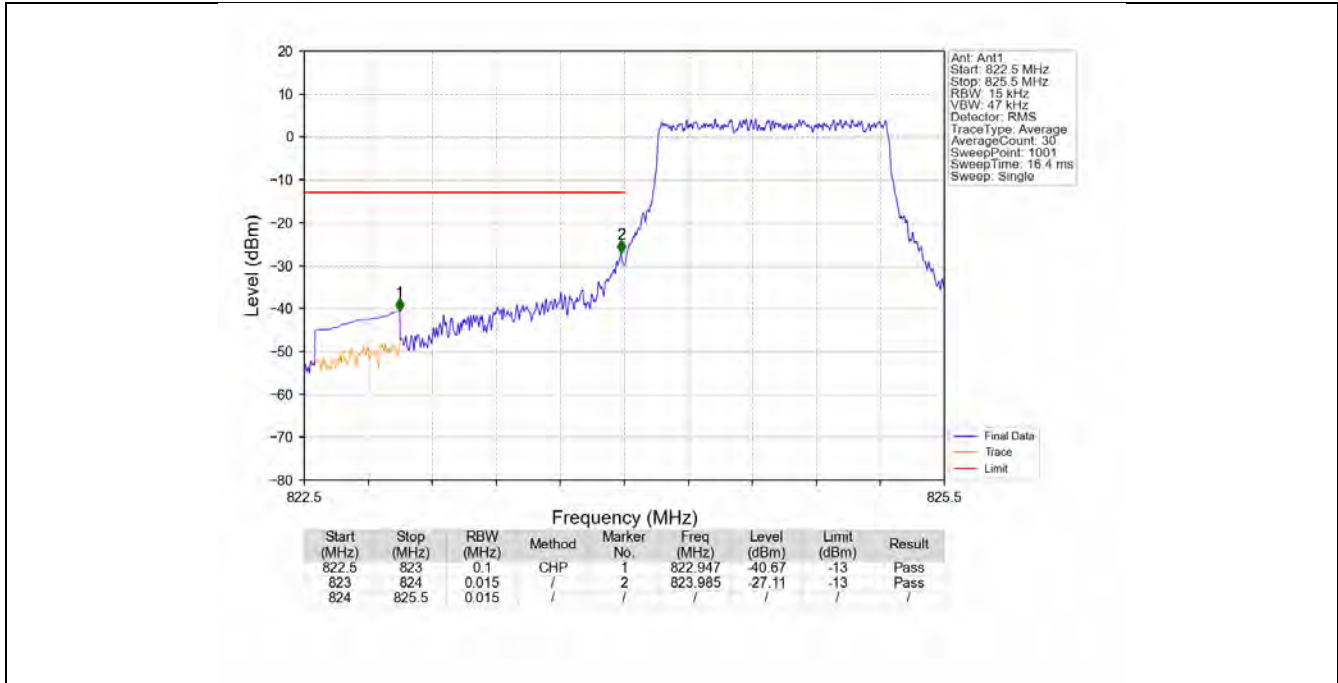


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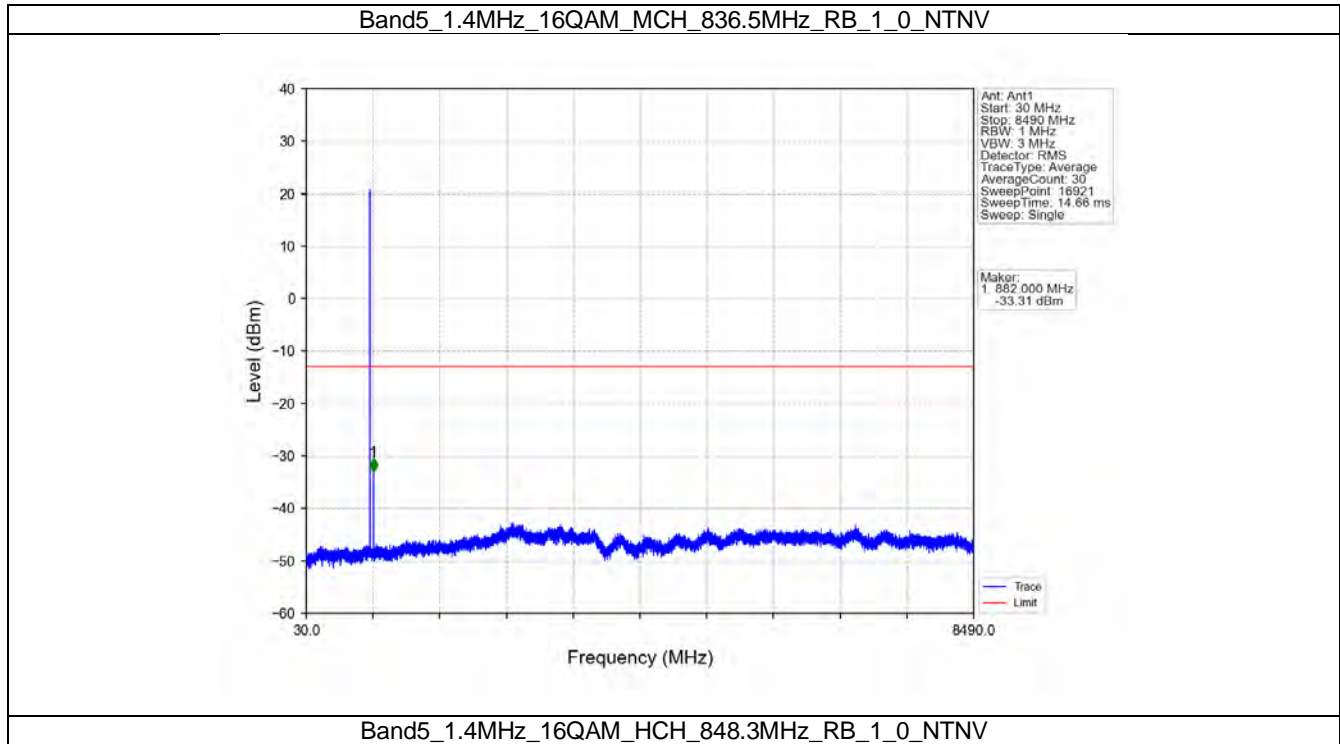


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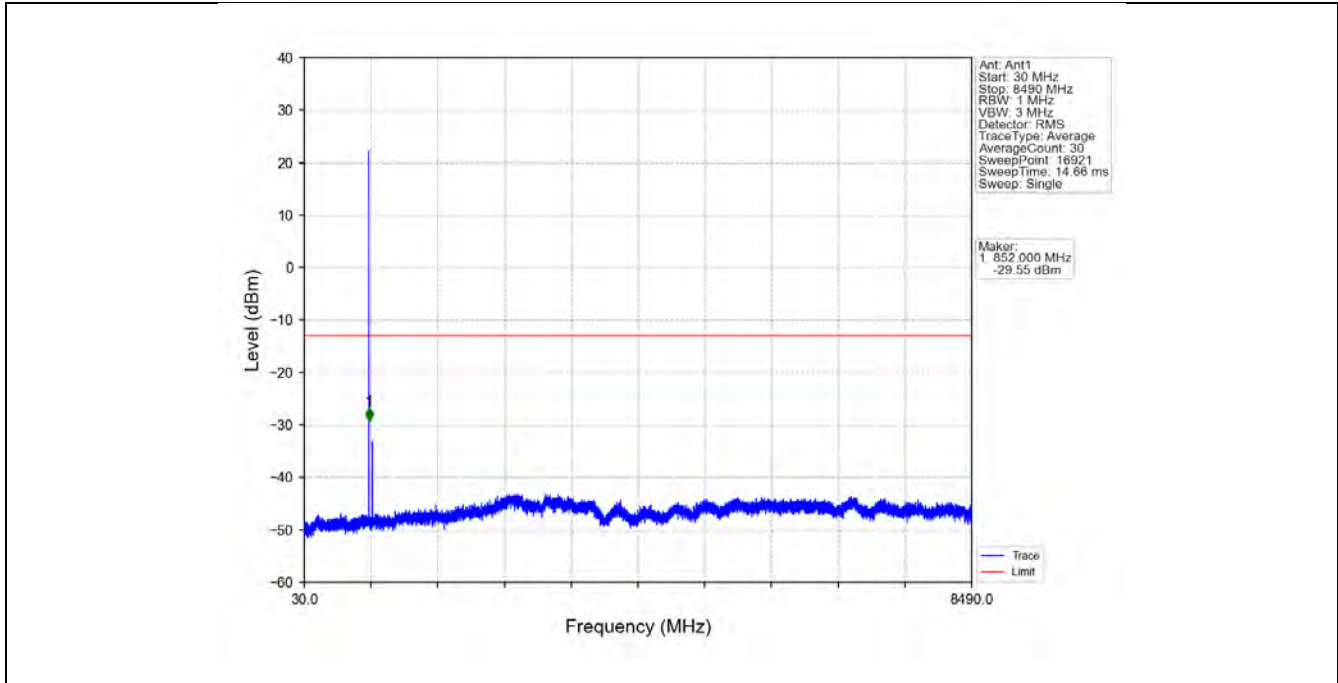
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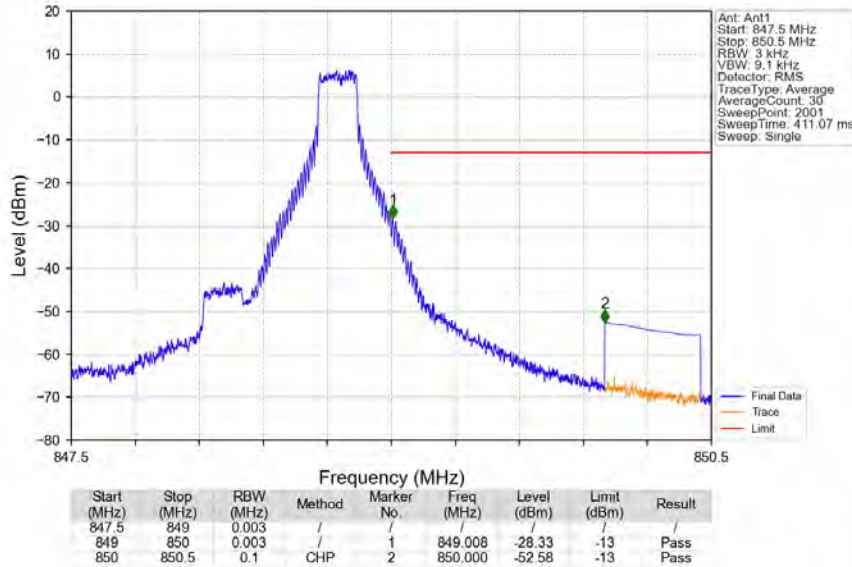
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Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



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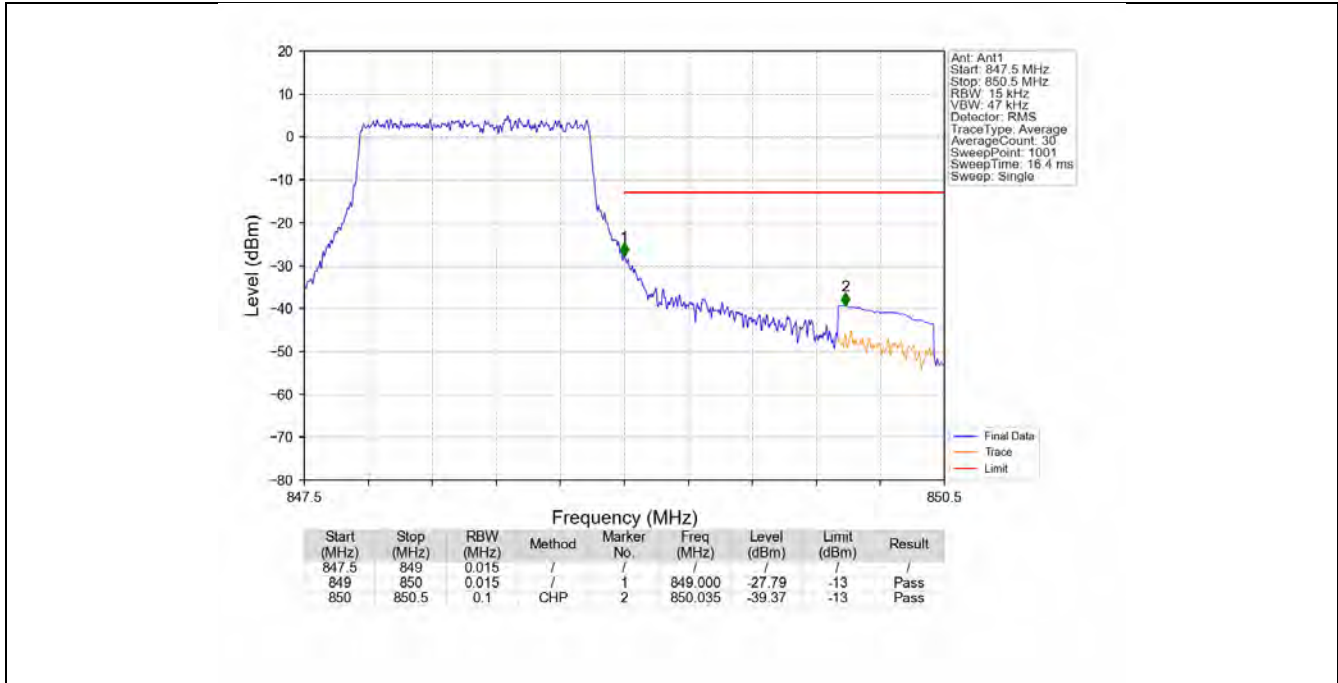


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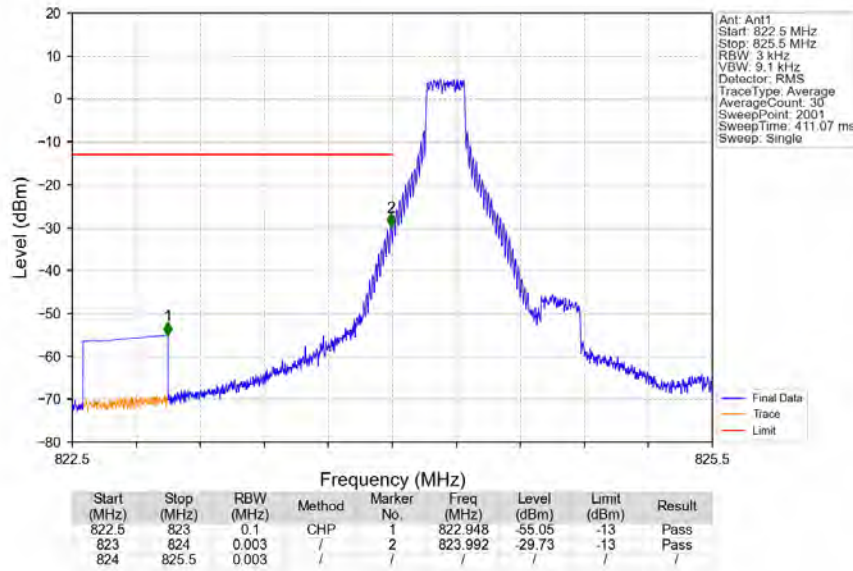
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Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_1_0_NTNV



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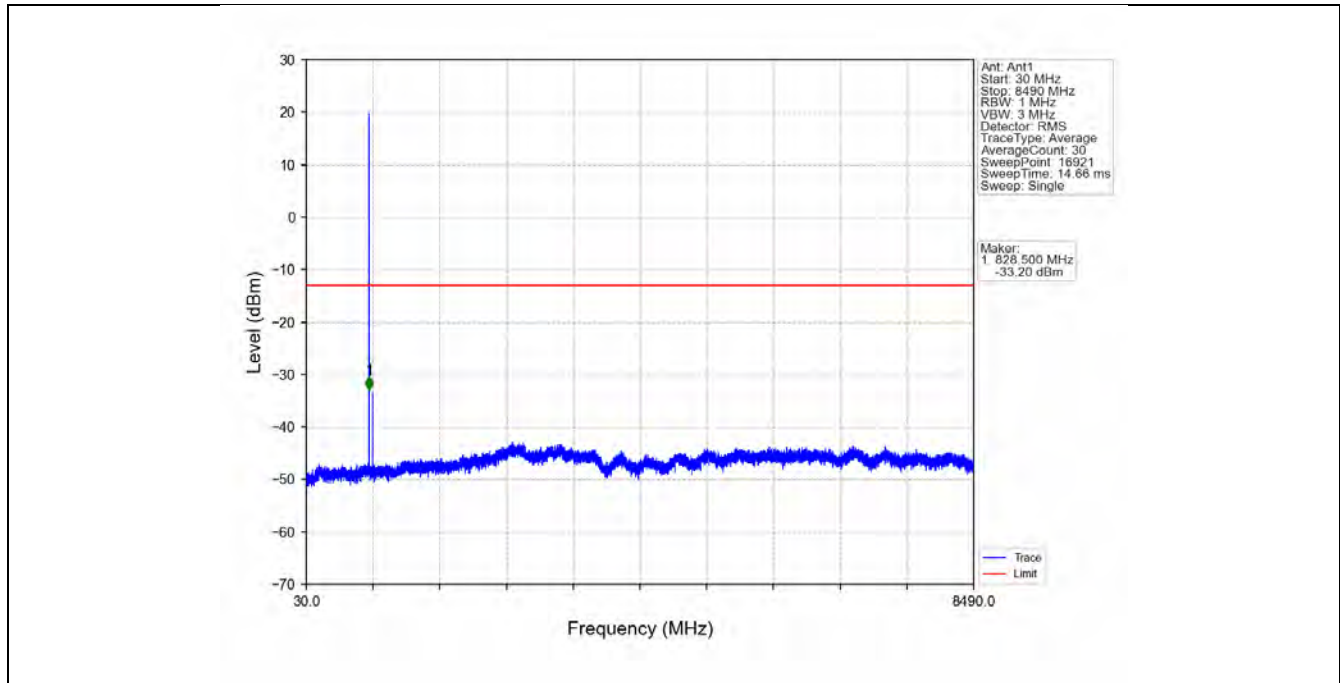


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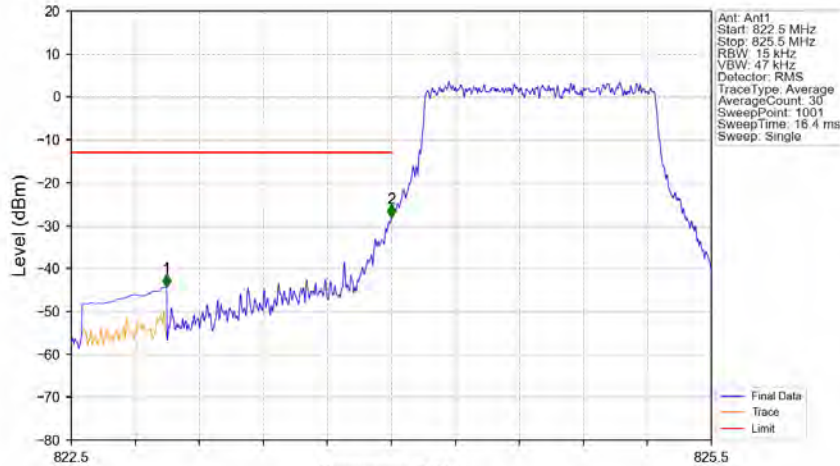
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Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV



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	-44.33	-13	Pass
823	824	0.015	/	2	824.000	-28.18	-13	Pass
824	825.5	0.015	/	/	/	/	/	/

Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



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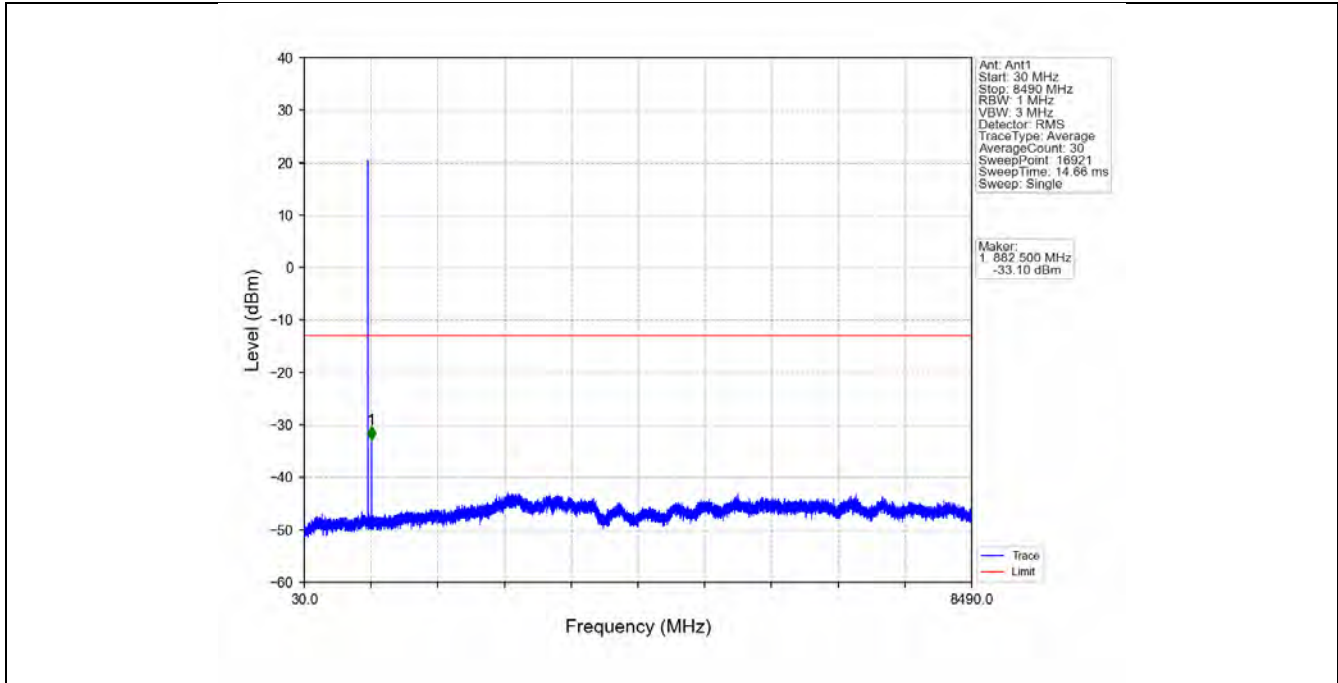


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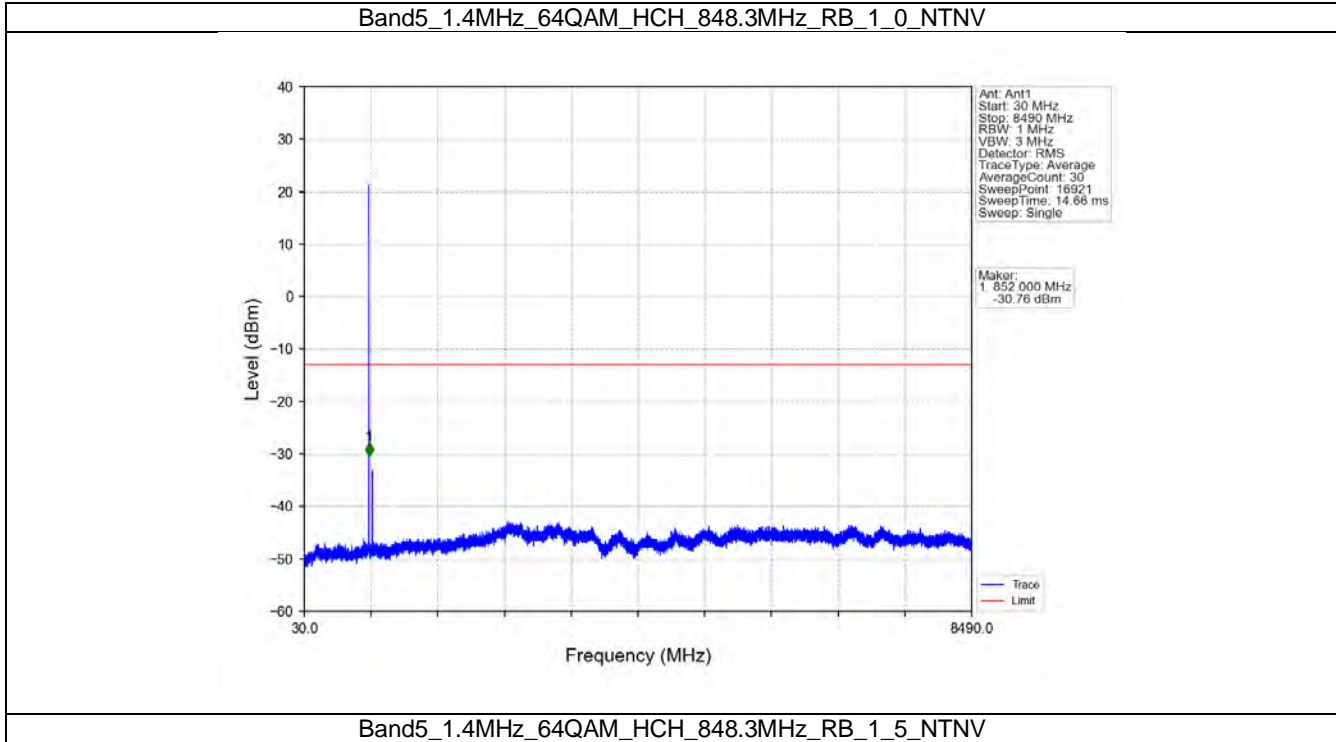


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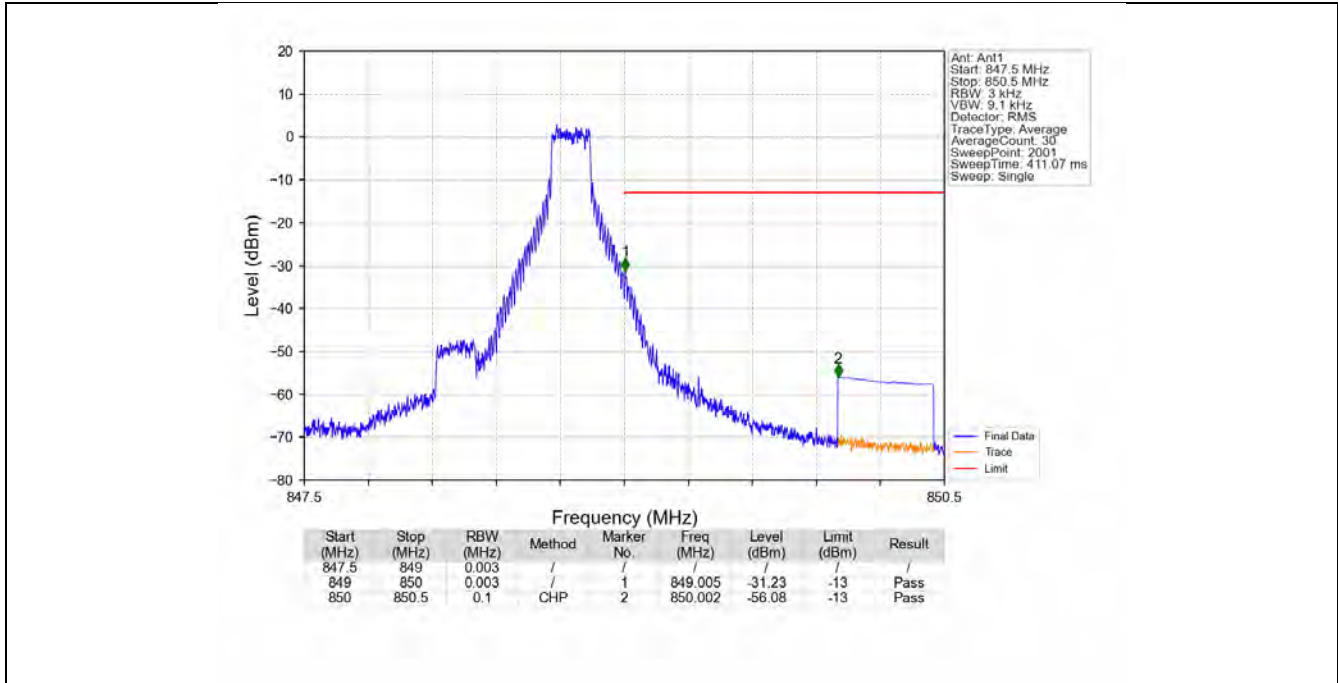


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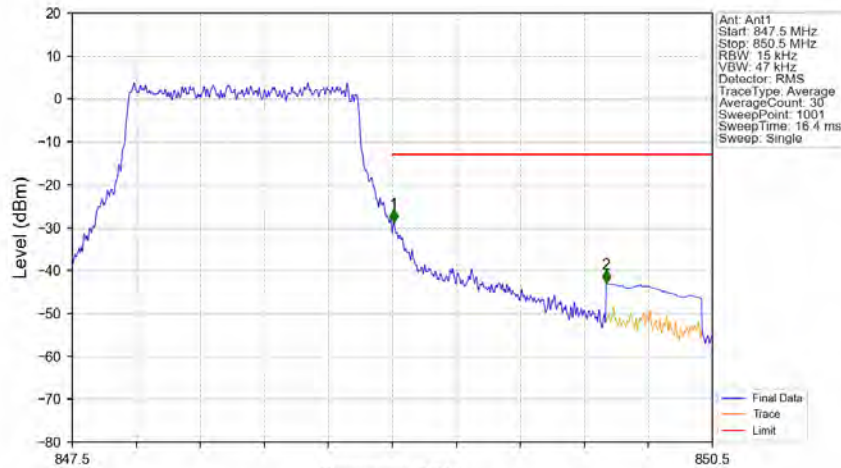
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Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.015	/	/	/	/	/	/
849	850	0.015	/	1	849.006	-28.91	-13	Pass
850	850.5	0.1	CHP	2	850.002	-43.02	-13	Pass



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5.2 B5_3MHz

5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTN						
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	
	847.5	1	0	Refer To Test Graph	Pass	
		1	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	
	847.5	1	0	Refer To Test Graph	Pass	
		1	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	
	847.5	1	0	Refer To Test Graph	Pass	
		1	14	Refer To Test Graph	Pass	
		15	0	Refer To Test Graph	Pass	



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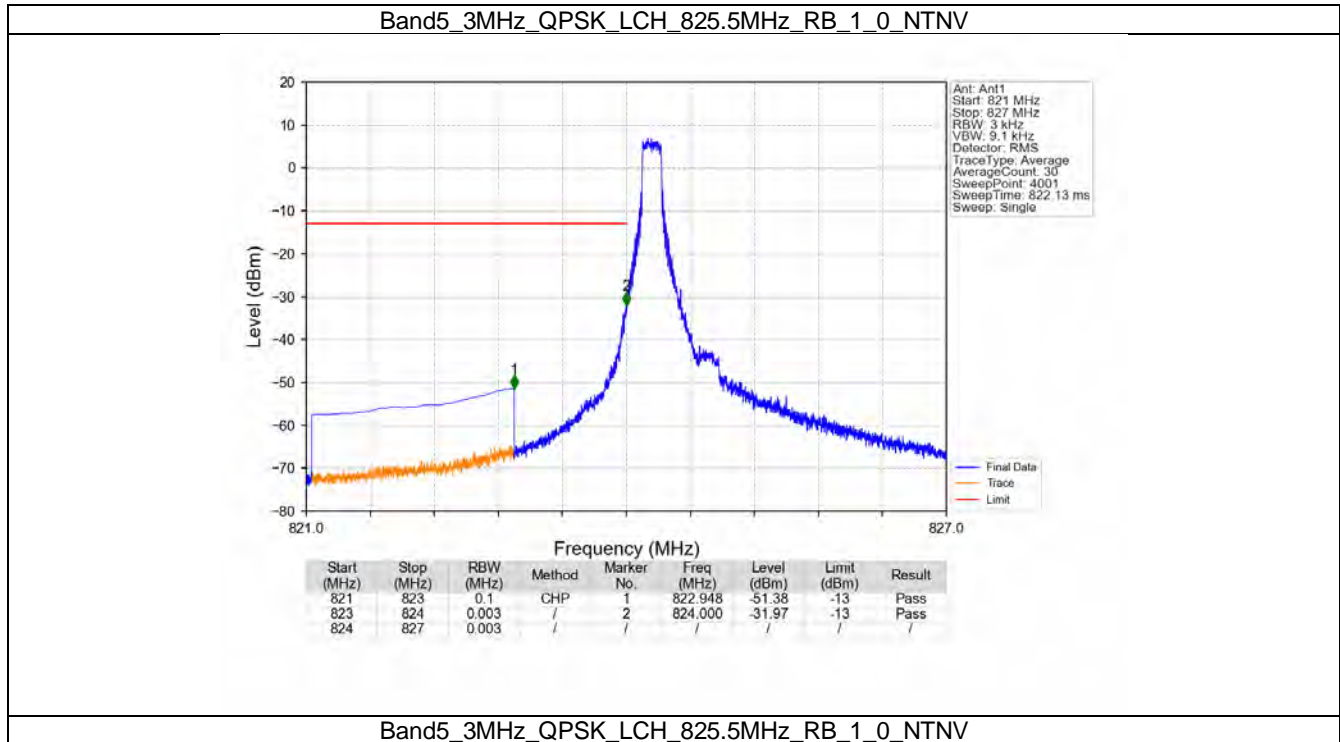
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5.2.2 Test Graph



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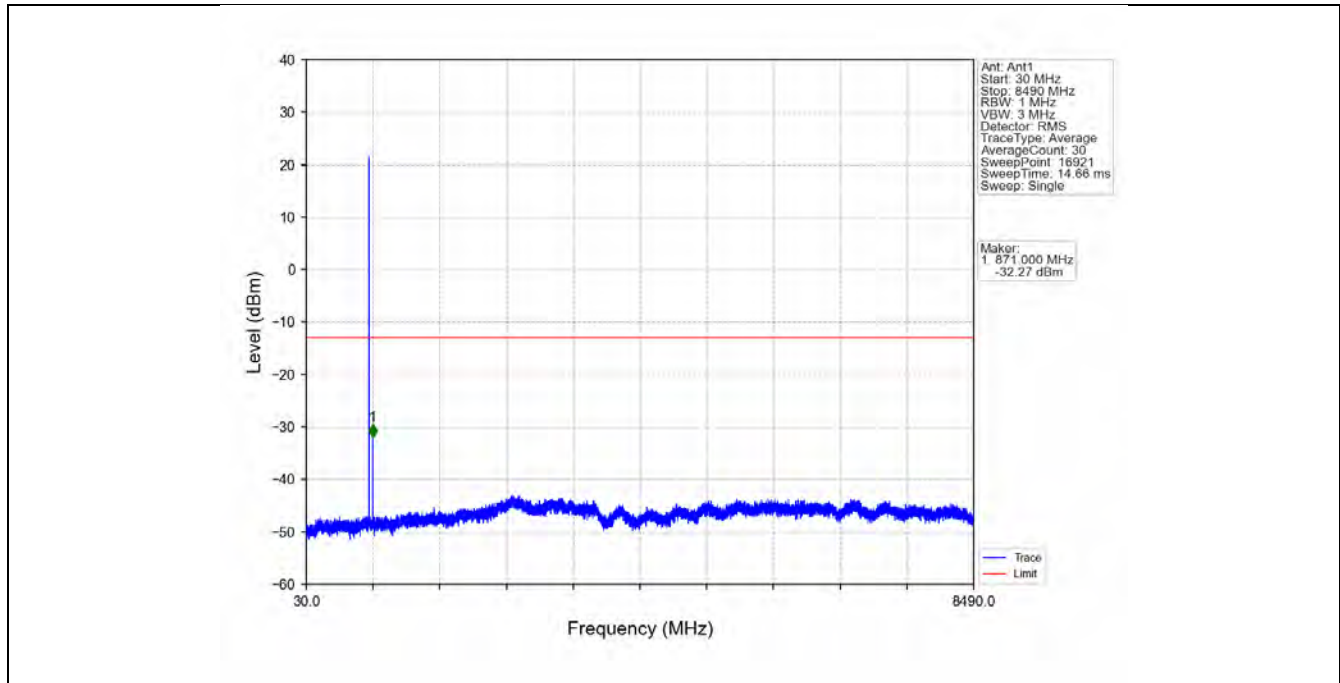


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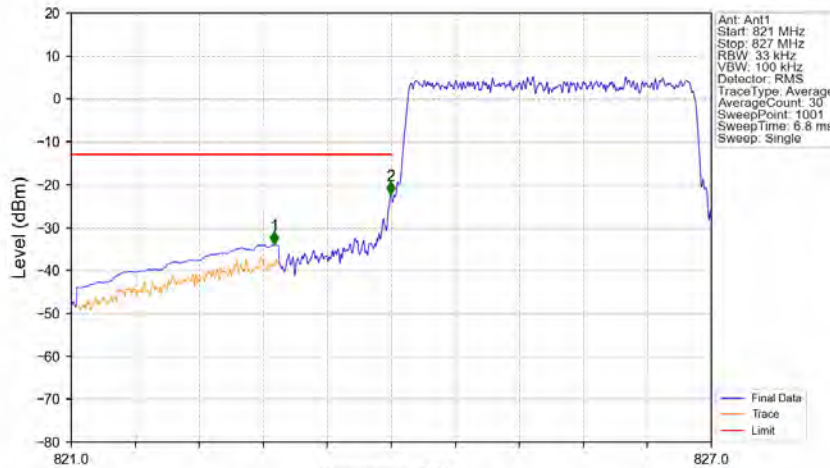
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Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.902	-34.04	-13	Pass
823	824	0.033	/	2	823.994	-22.31	-13	Pass
824	827	0.033	/	/	/	/	/	/

Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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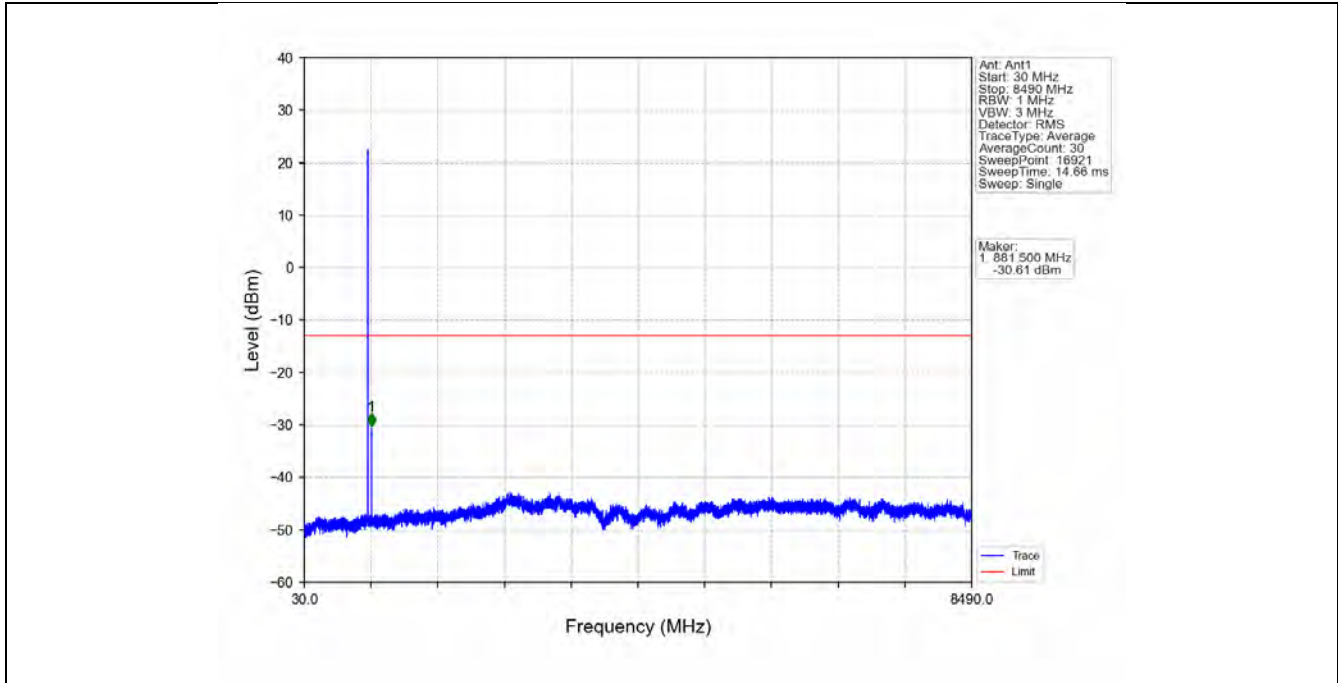


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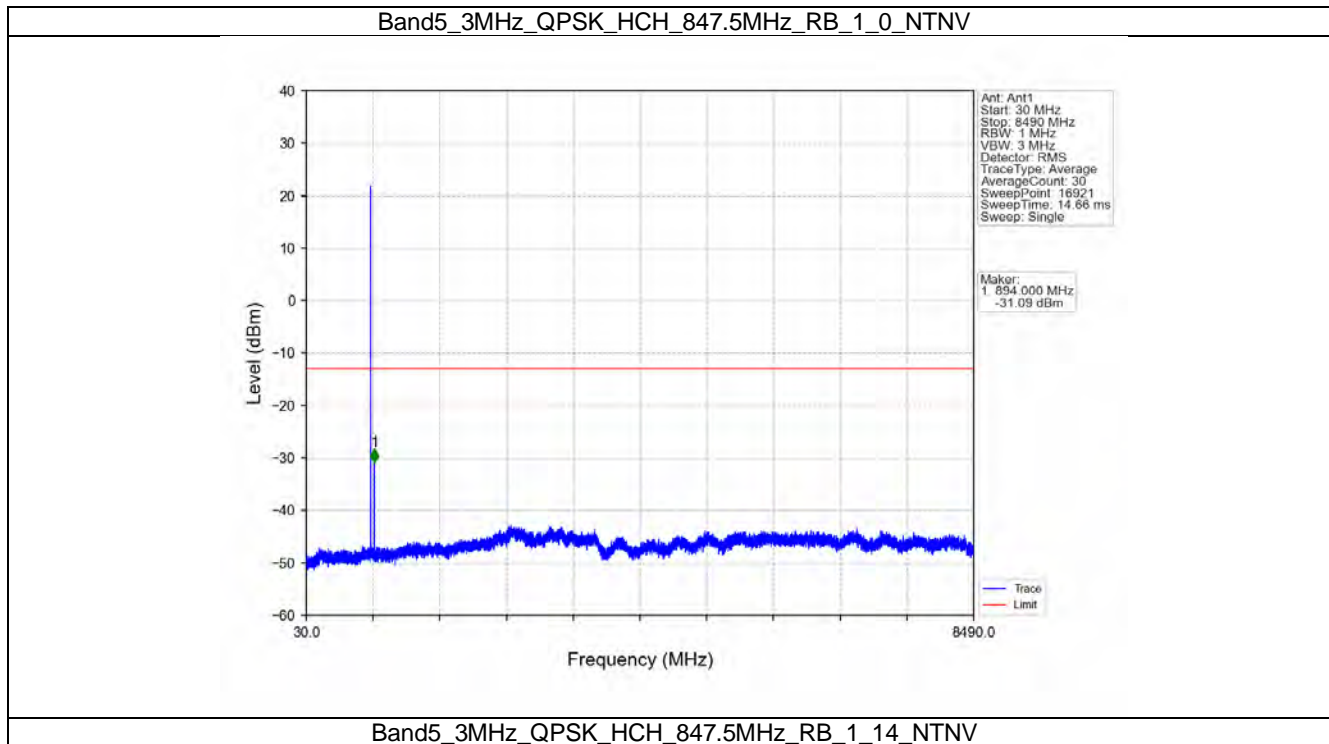
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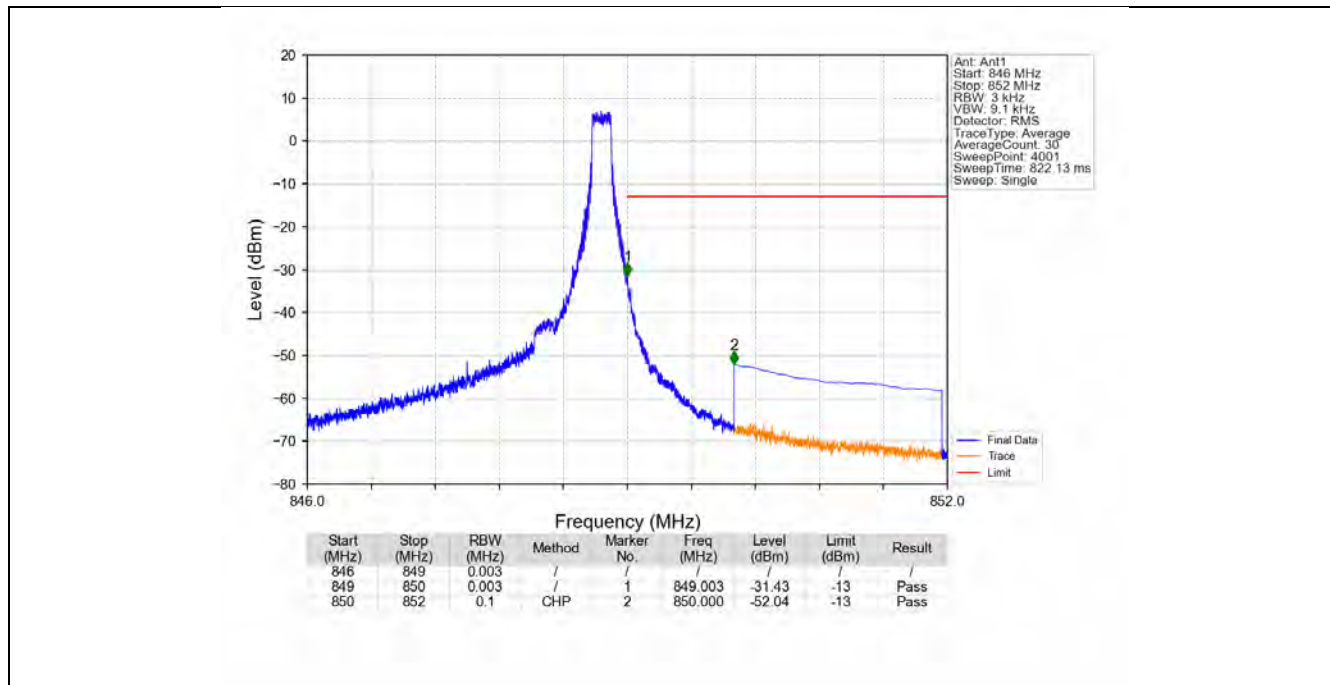
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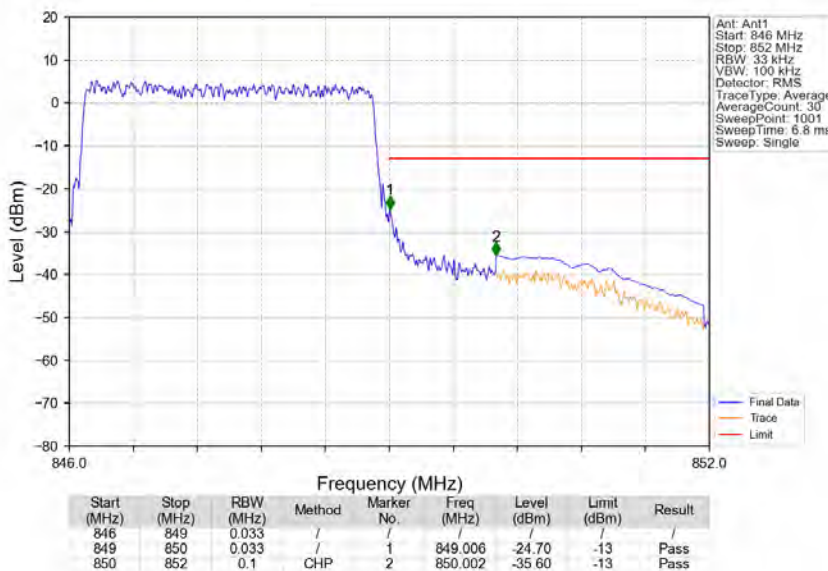
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Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



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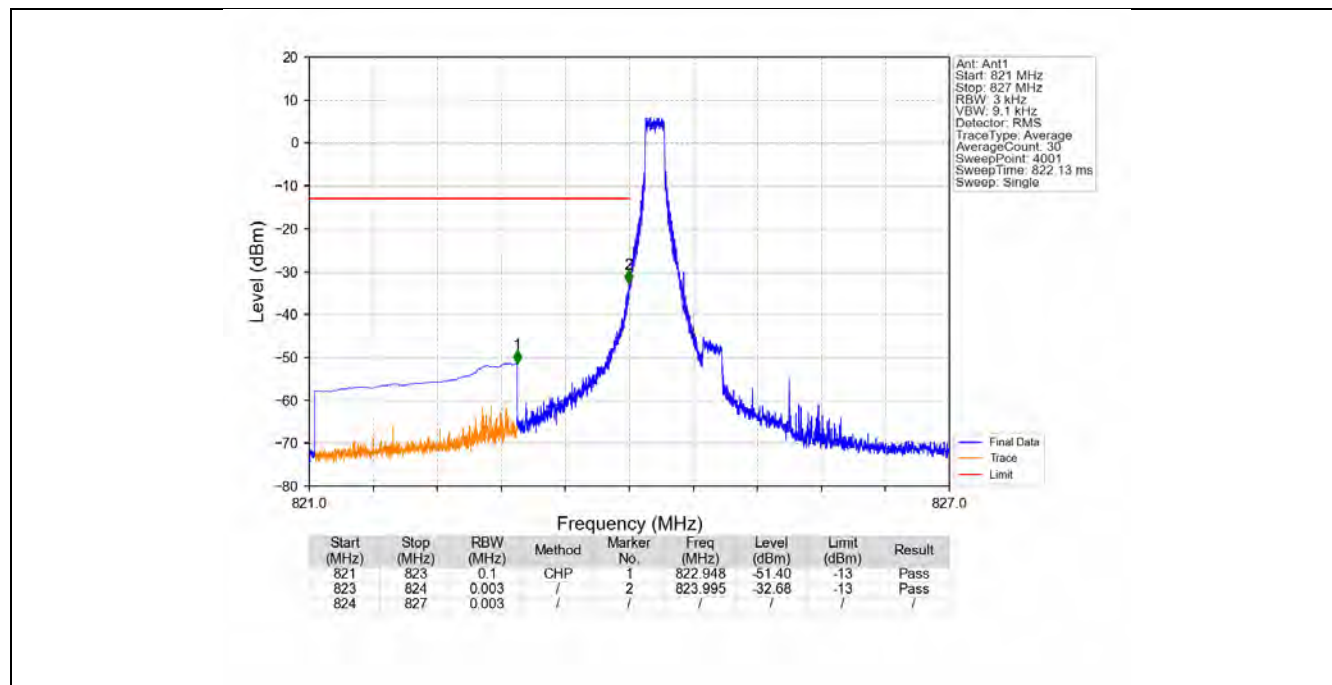


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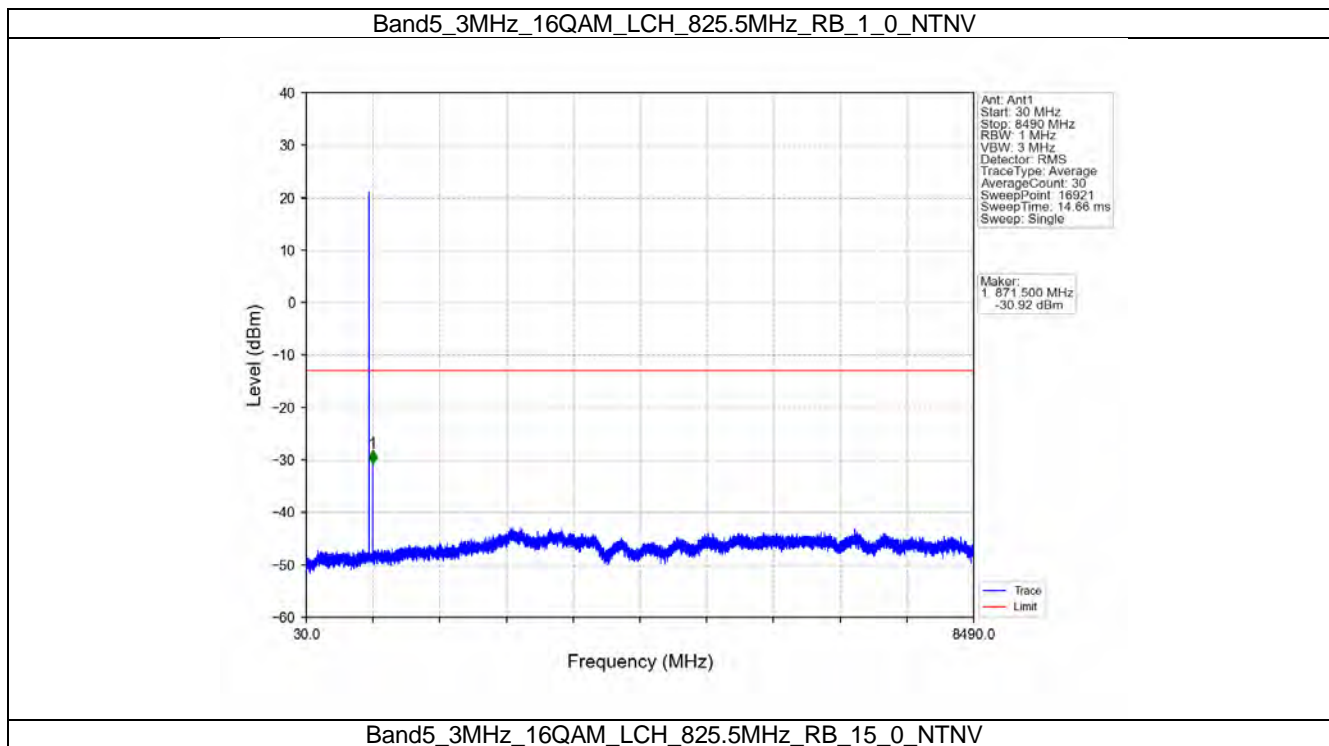
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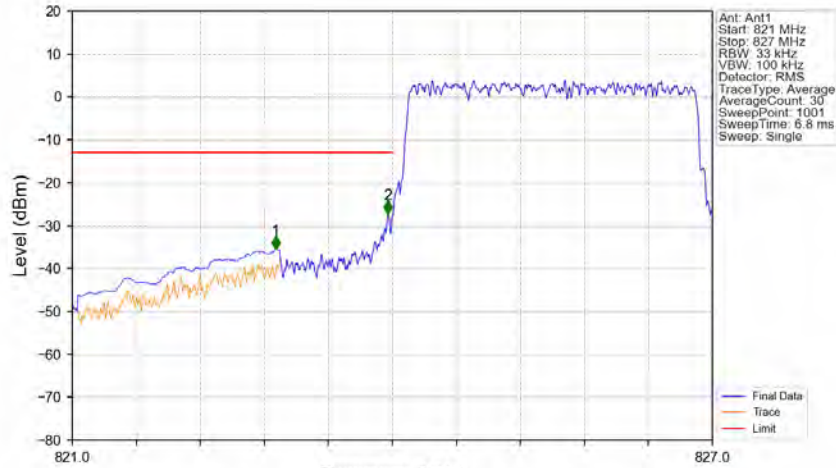


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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.908	-35.51	-13	Pass
823	824	0.033	/	/	823.958	-27.25	-13	Pass
824	827	0.033	/	/	/	/	/	/



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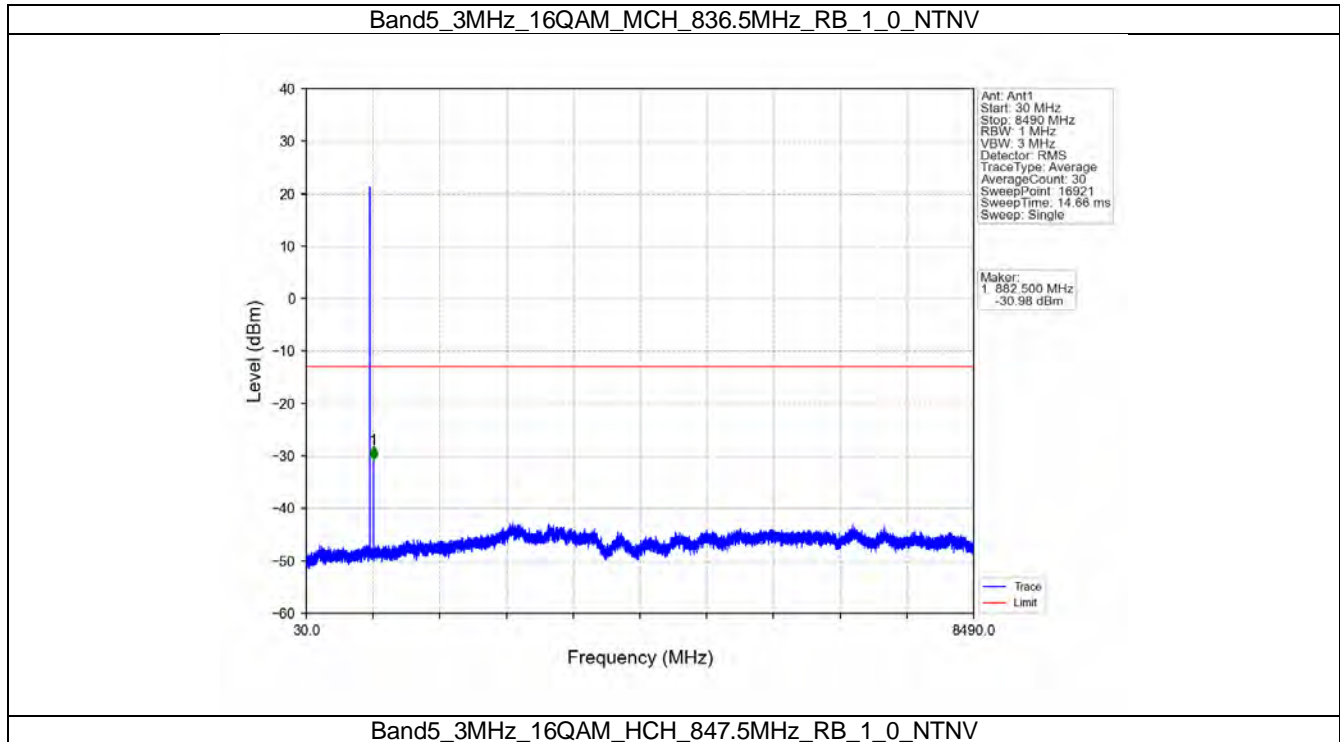
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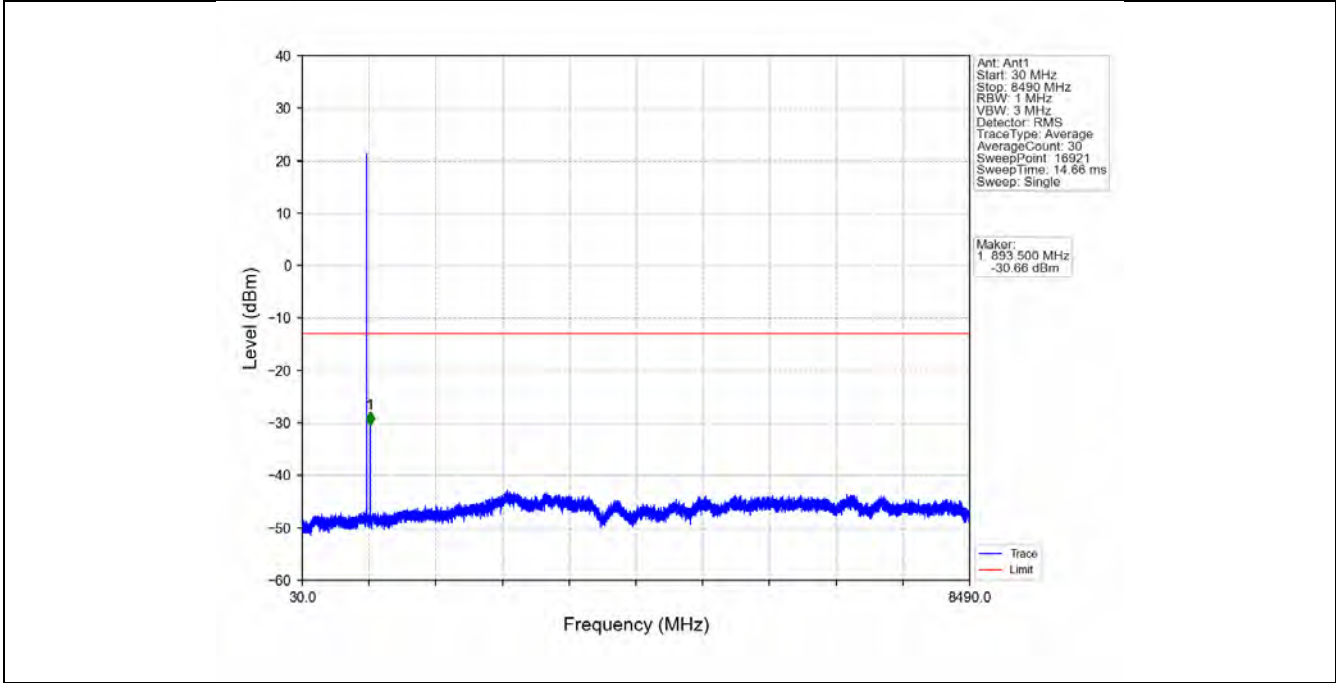
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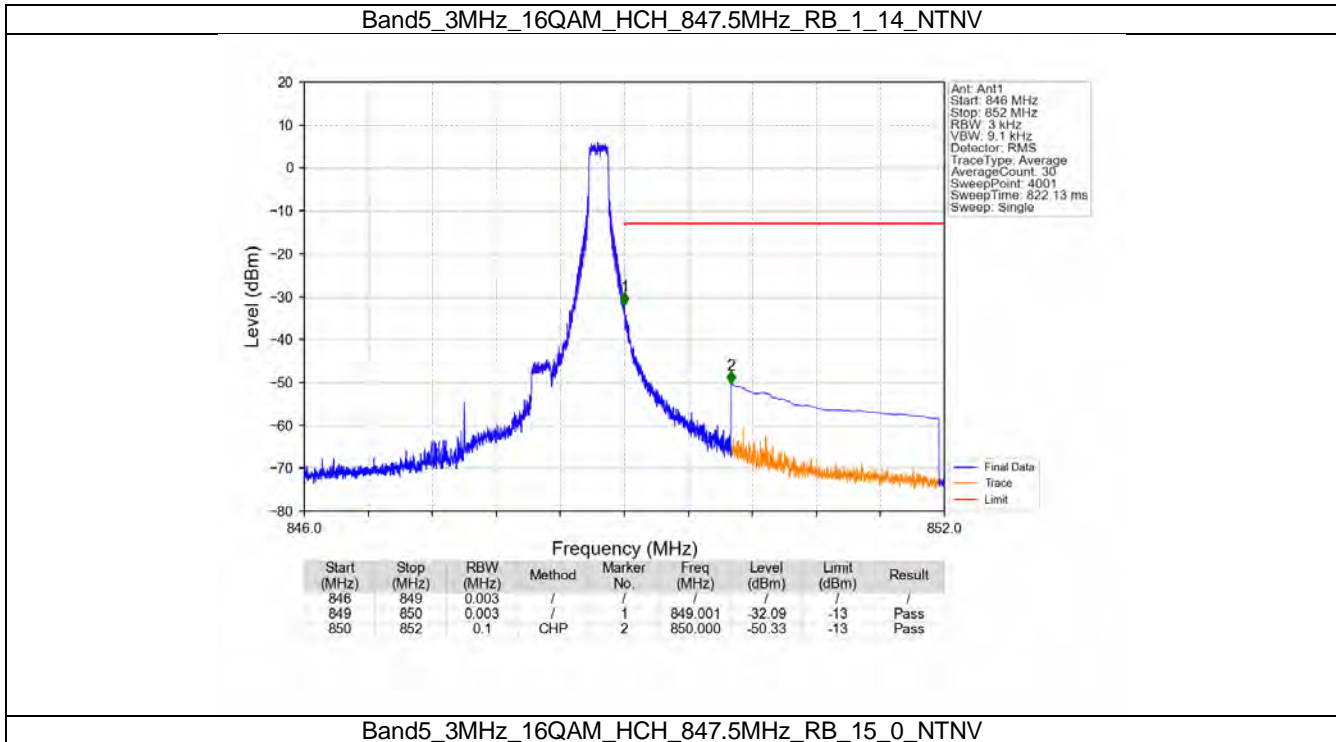
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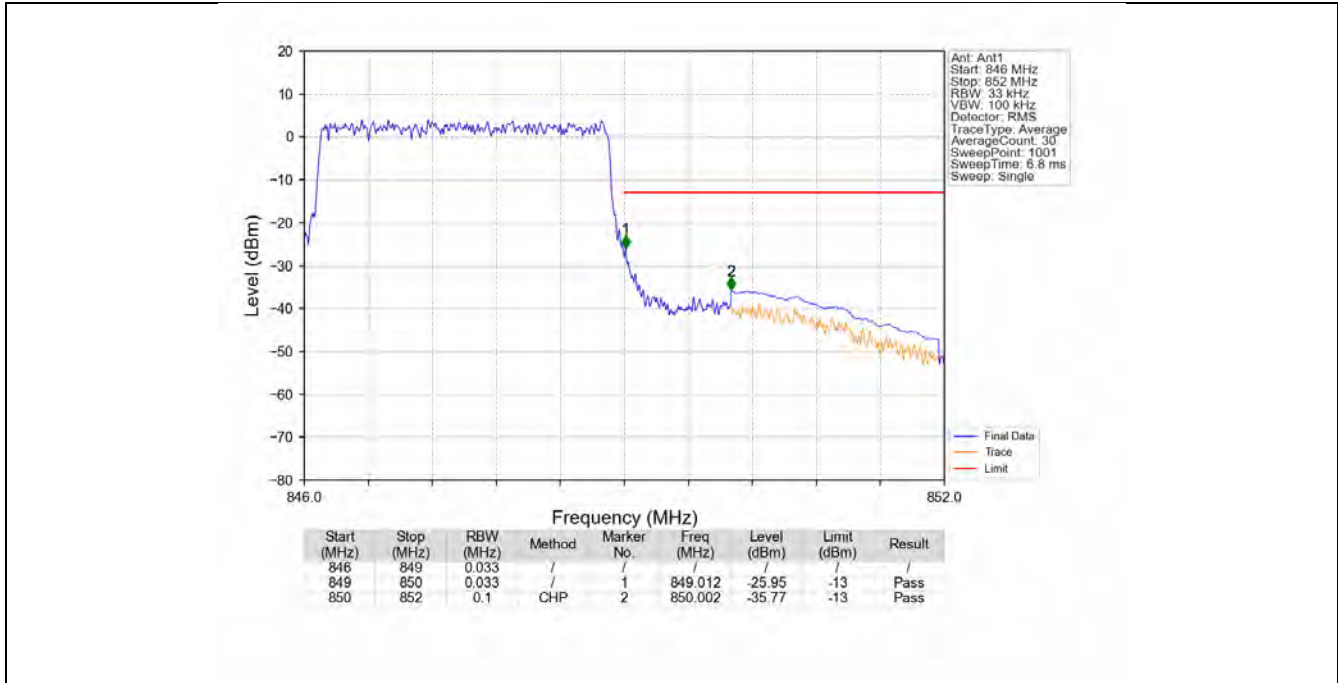


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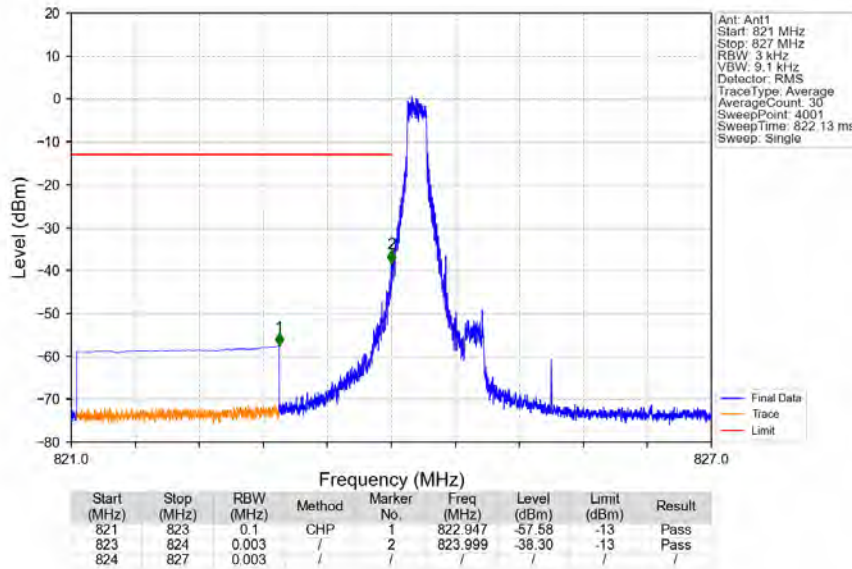
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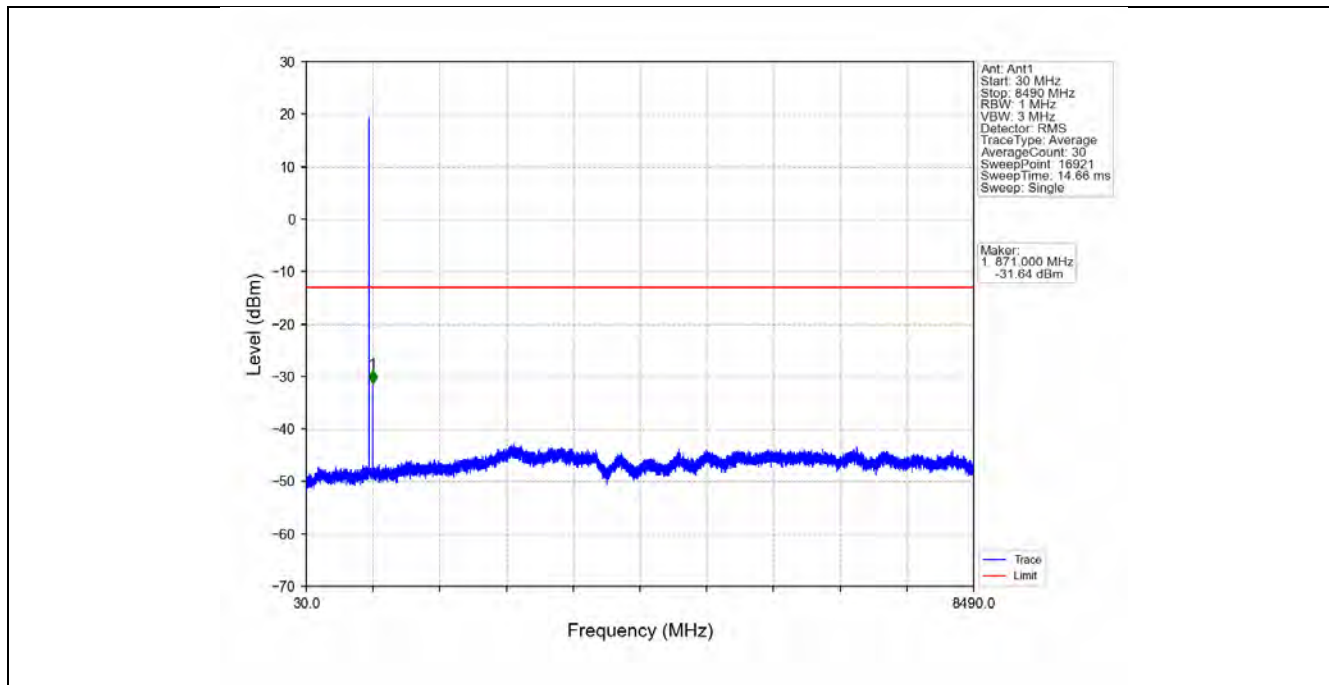
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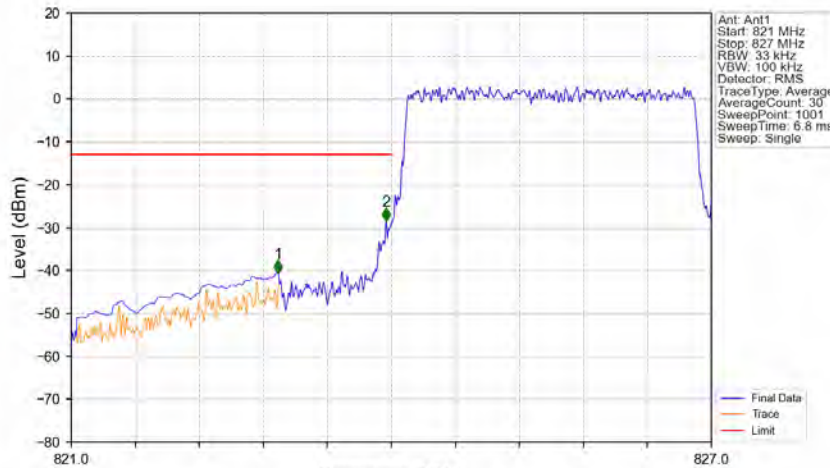
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Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.938	-40.58	-13	Pass
823	824	0.033	/	2	823.952	-28.43	-13	Pass
824	827	0.033	/	/	/	/	/	/

Band5_3MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



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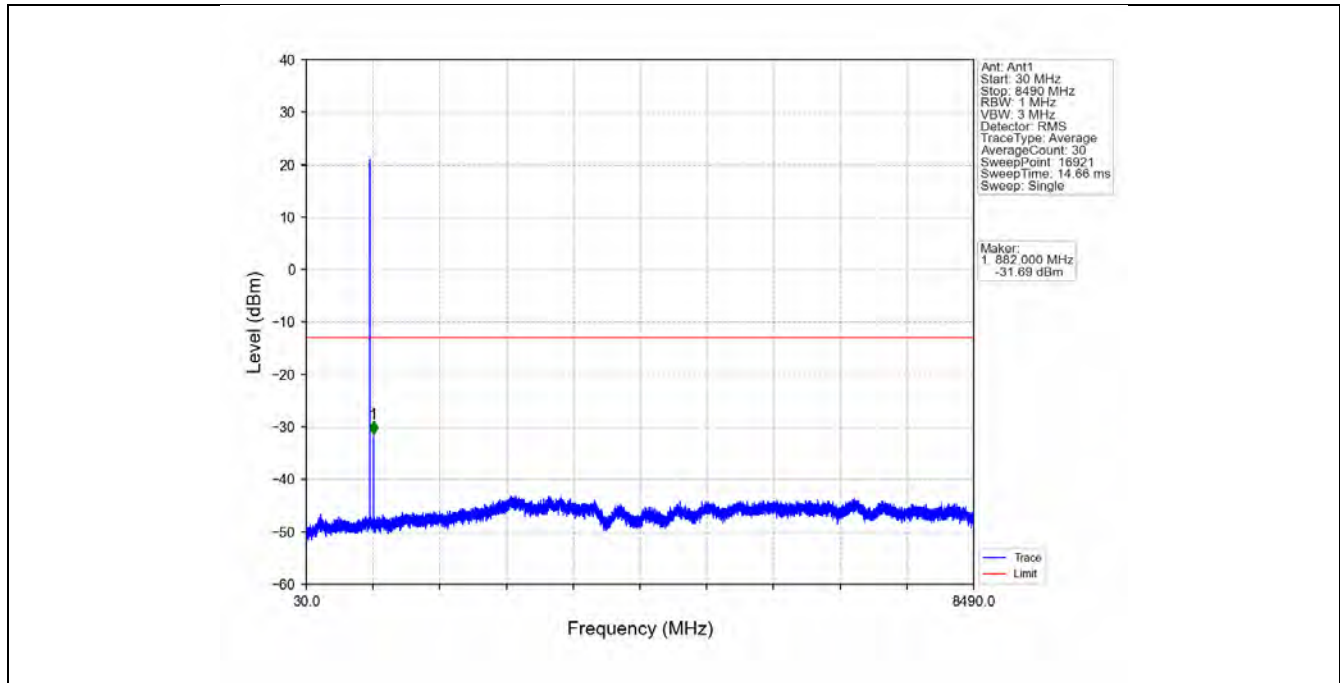


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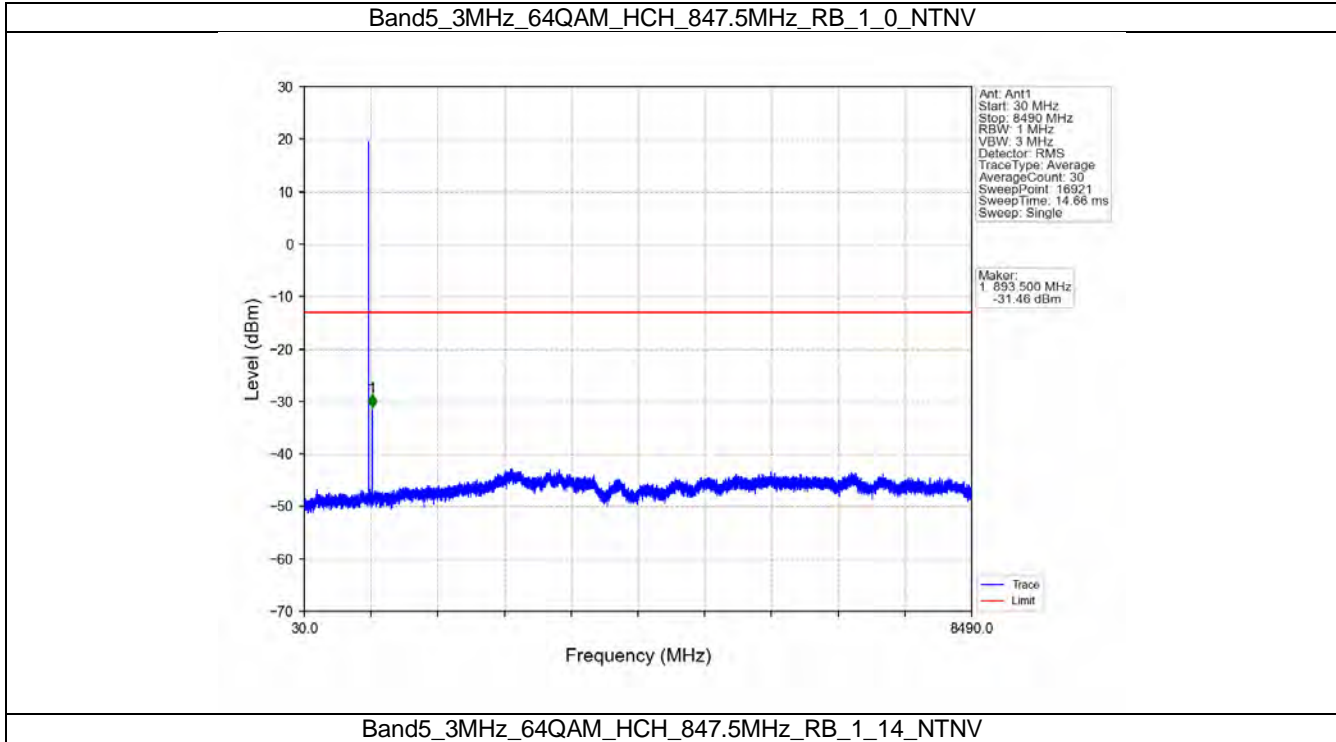


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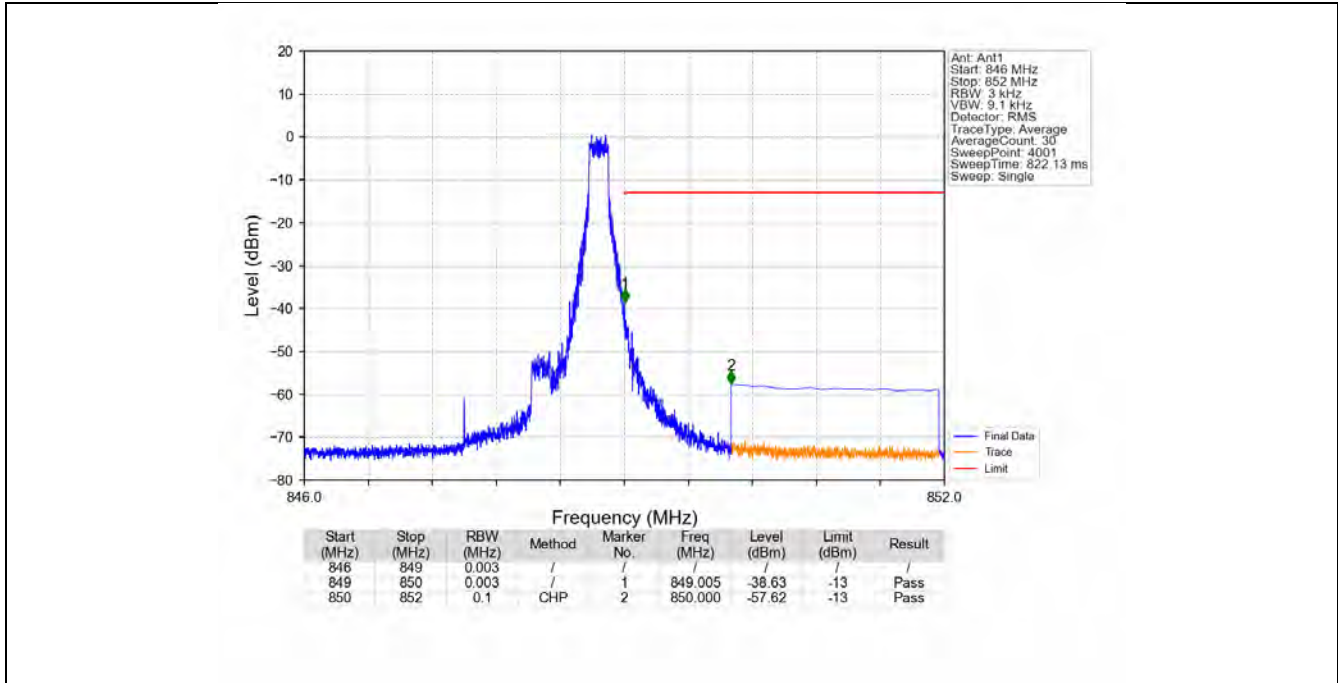


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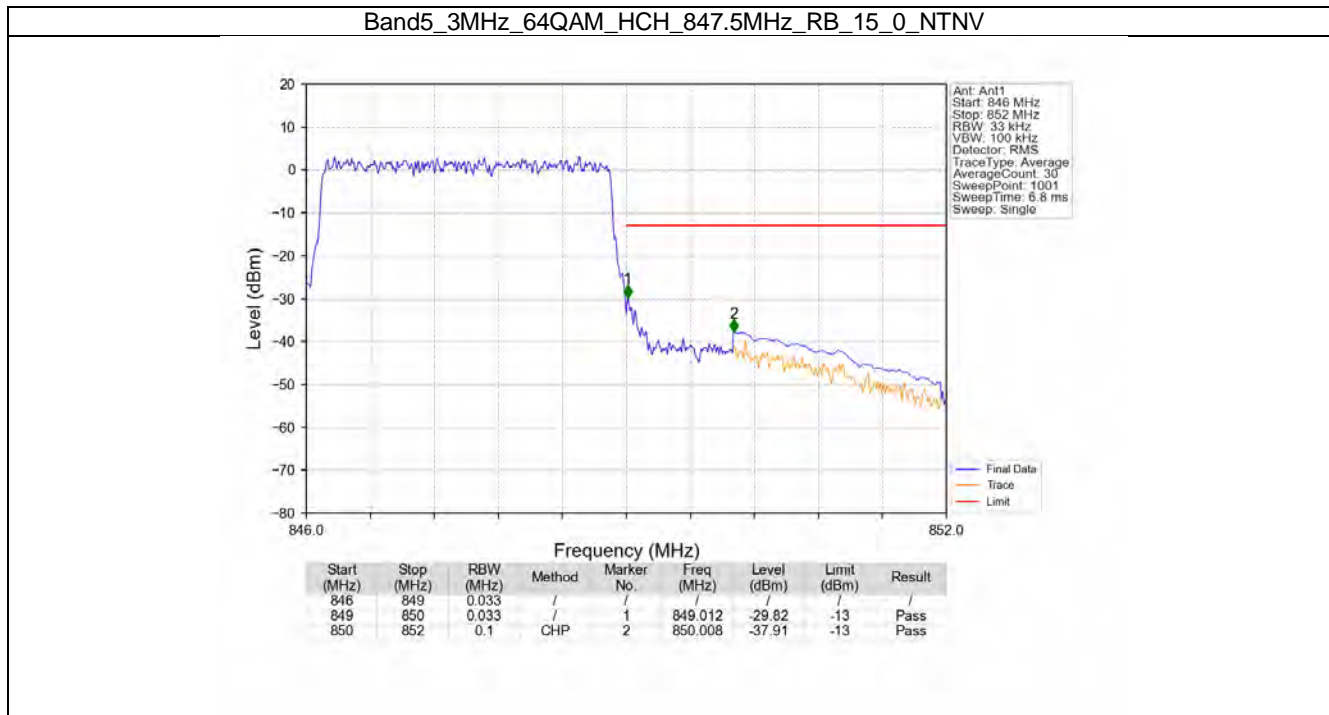
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5.3 B5_5MHz

5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTN						
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	
	846.5	1	0	Refer To Test Graph	Pass	
		25	24	Refer To Test Graph	Pass	
			0	Refer To Test Graph	Pass	
16QAM	826.5	1	0	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
	846.5	1	0	Refer To Test Graph	Pass	
		25	24	Refer To Test Graph	Pass	
			0	Refer To Test Graph	Pass	
64QAM	826.5	1	0	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
	846.5	1	0	Refer To Test Graph	Pass	
		25	24	Refer To Test Graph	Pass	
			0	Refer To Test Graph	Pass	



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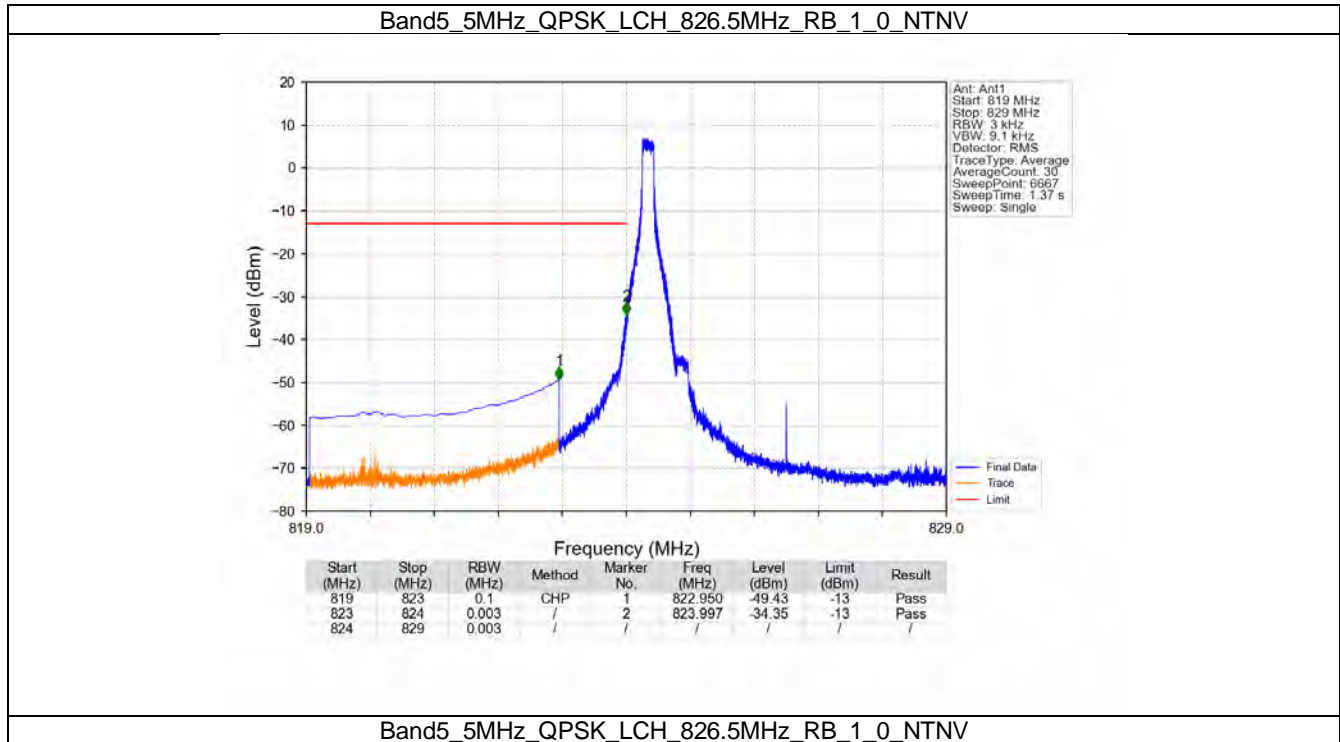
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5.3.2 Test Graph



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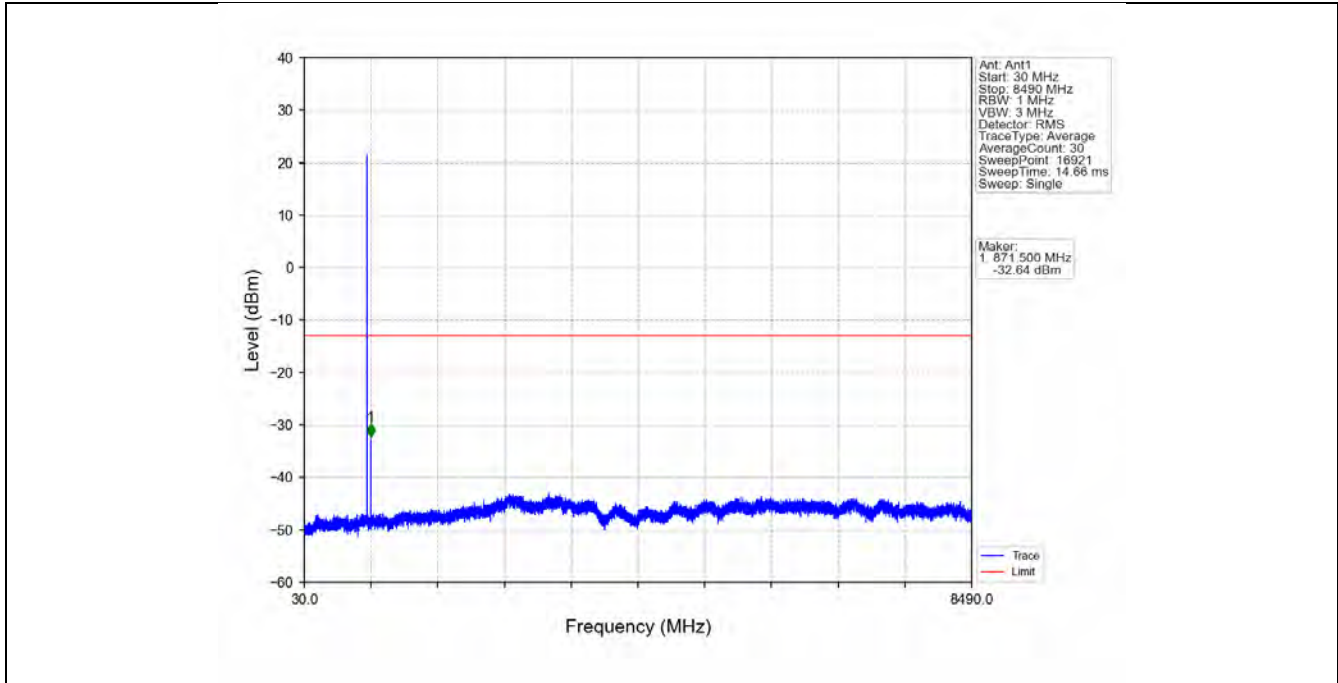


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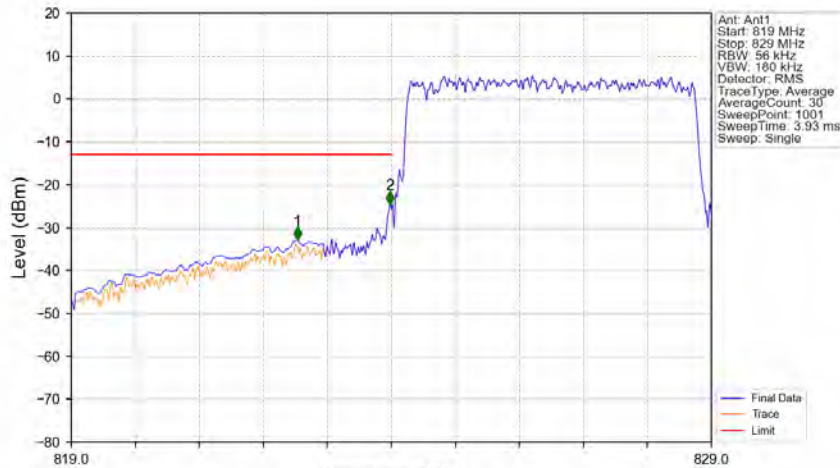
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Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.530	-32.87	-13	Pass
823	824	0.056	/	2	823.980	-24.54	-13	Pass
824	829	0.056	/	/	/	/	/	/

Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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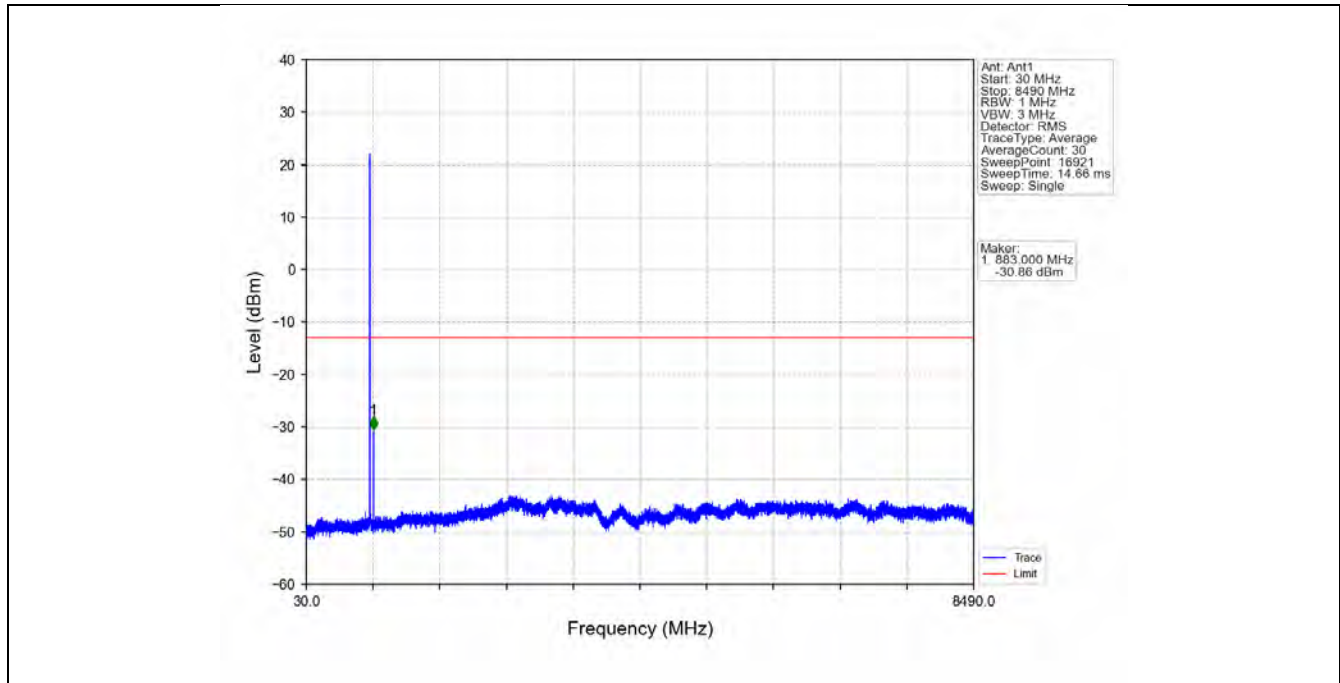


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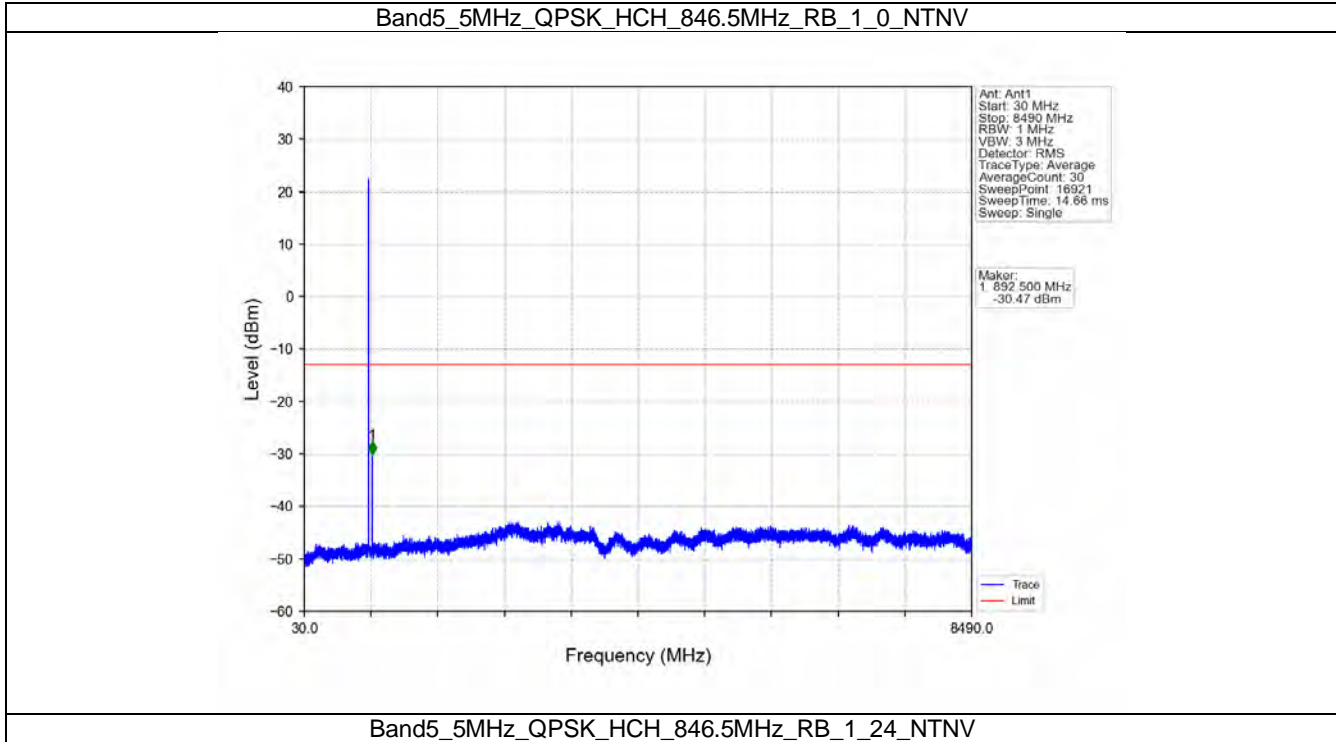


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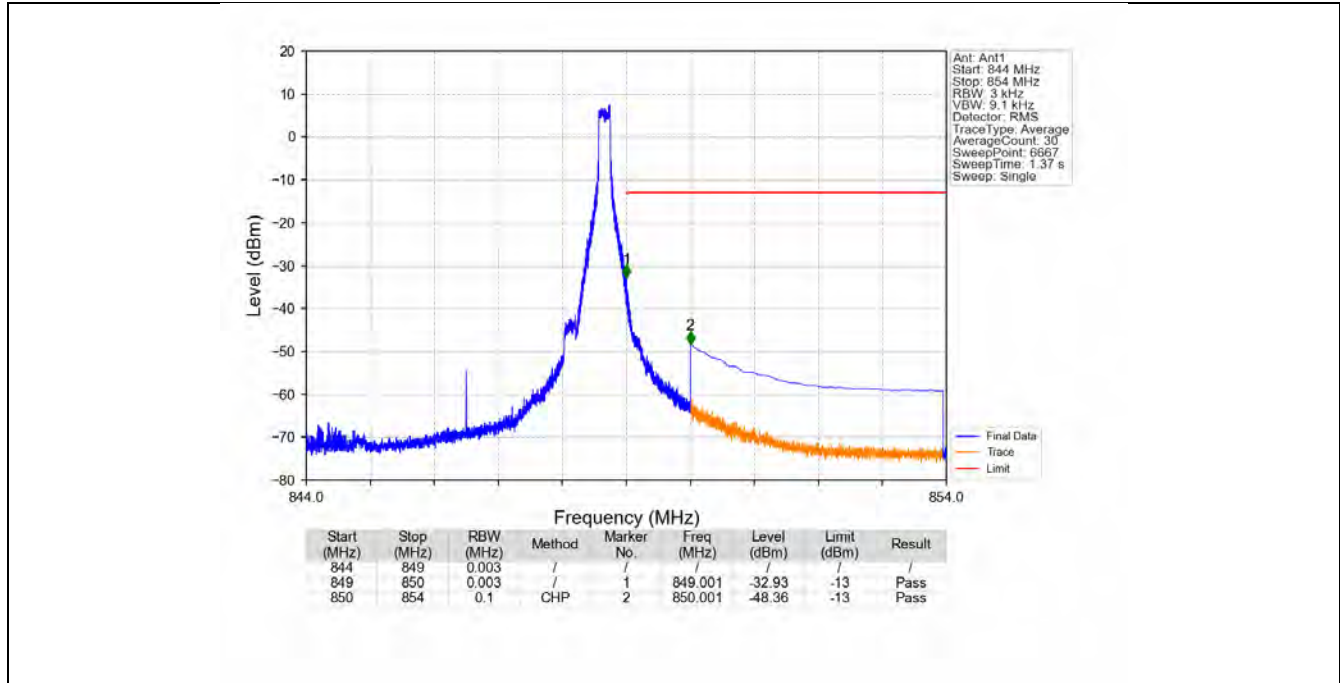


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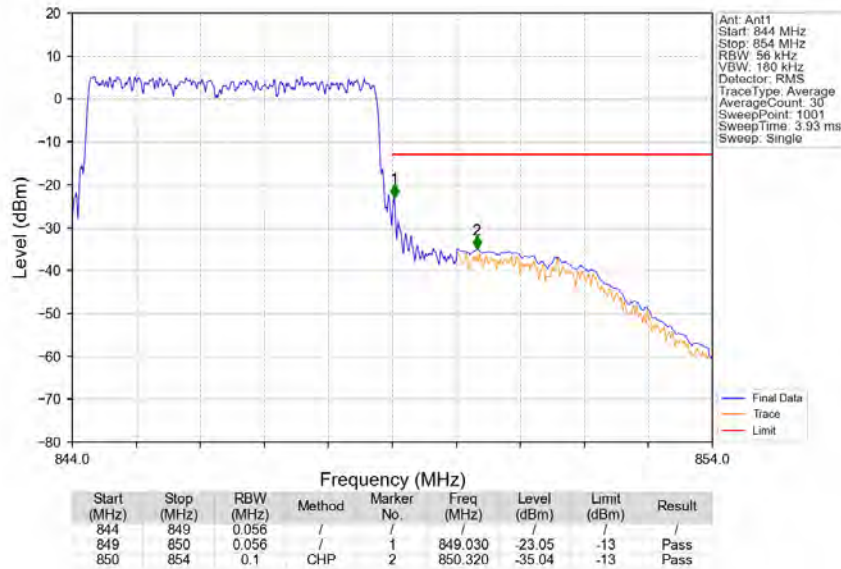
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Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



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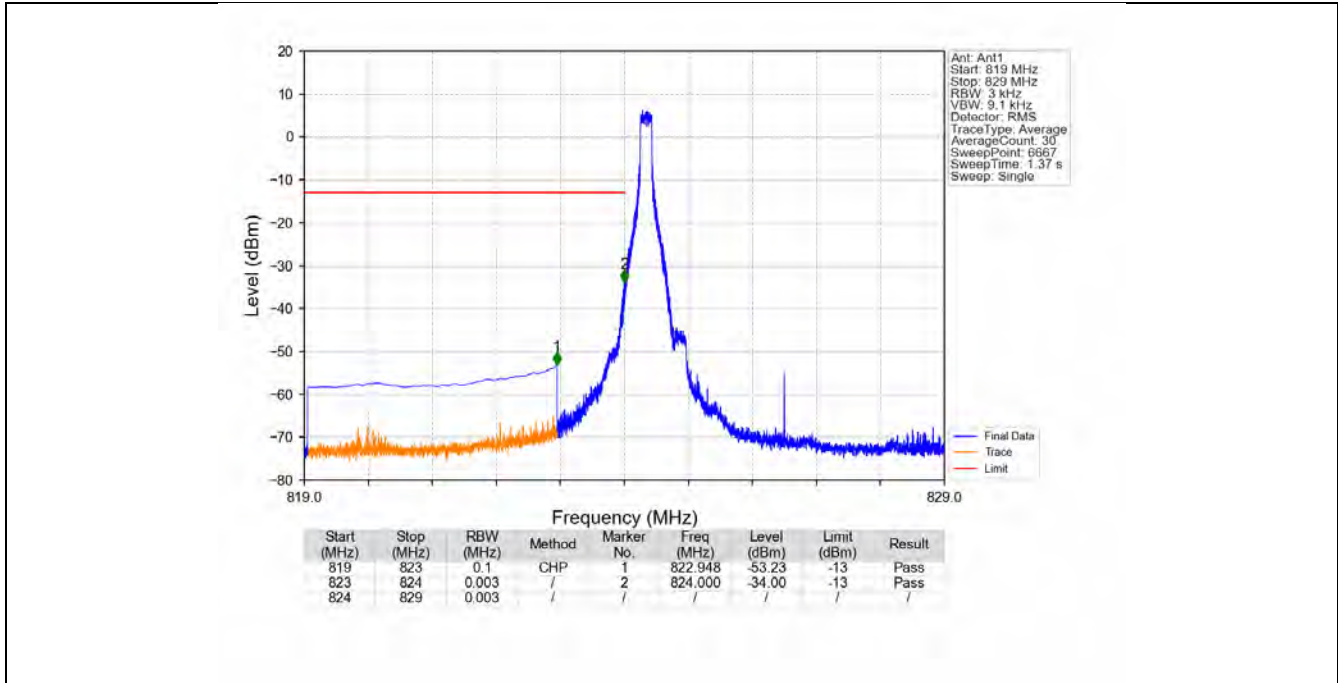


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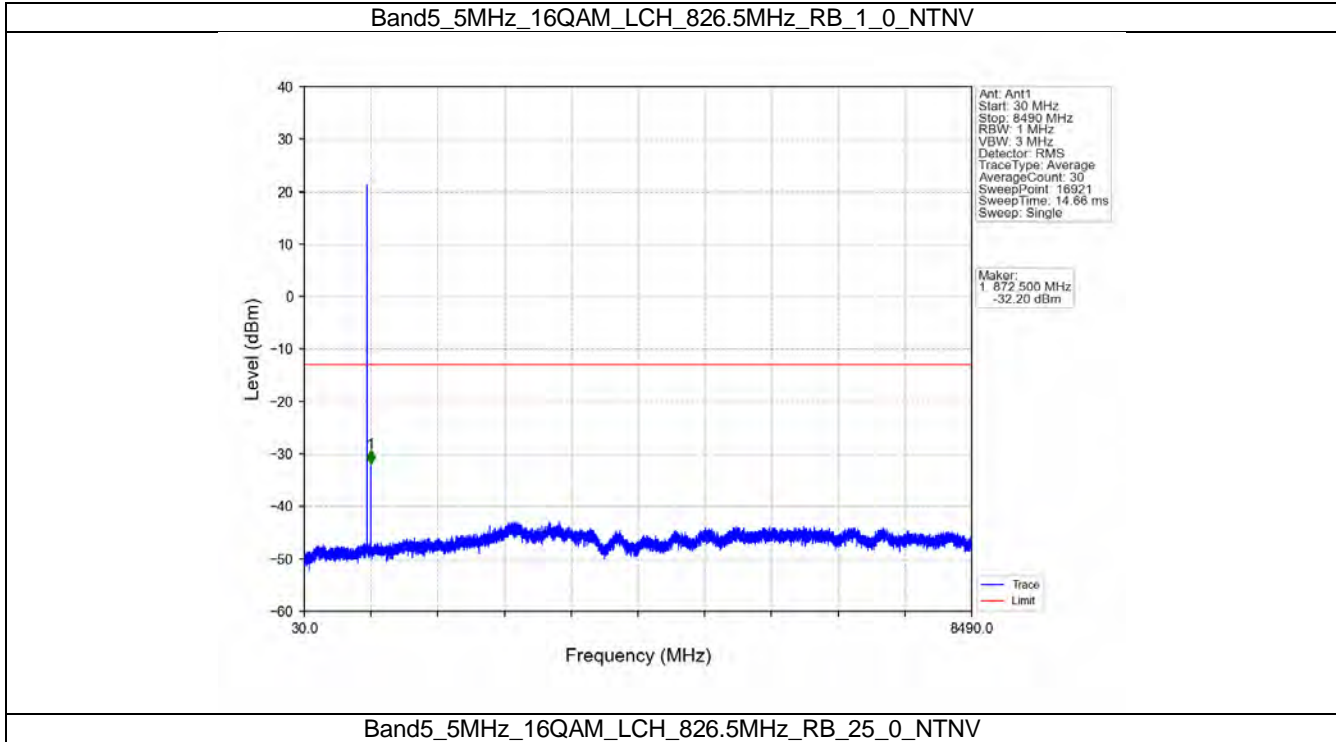


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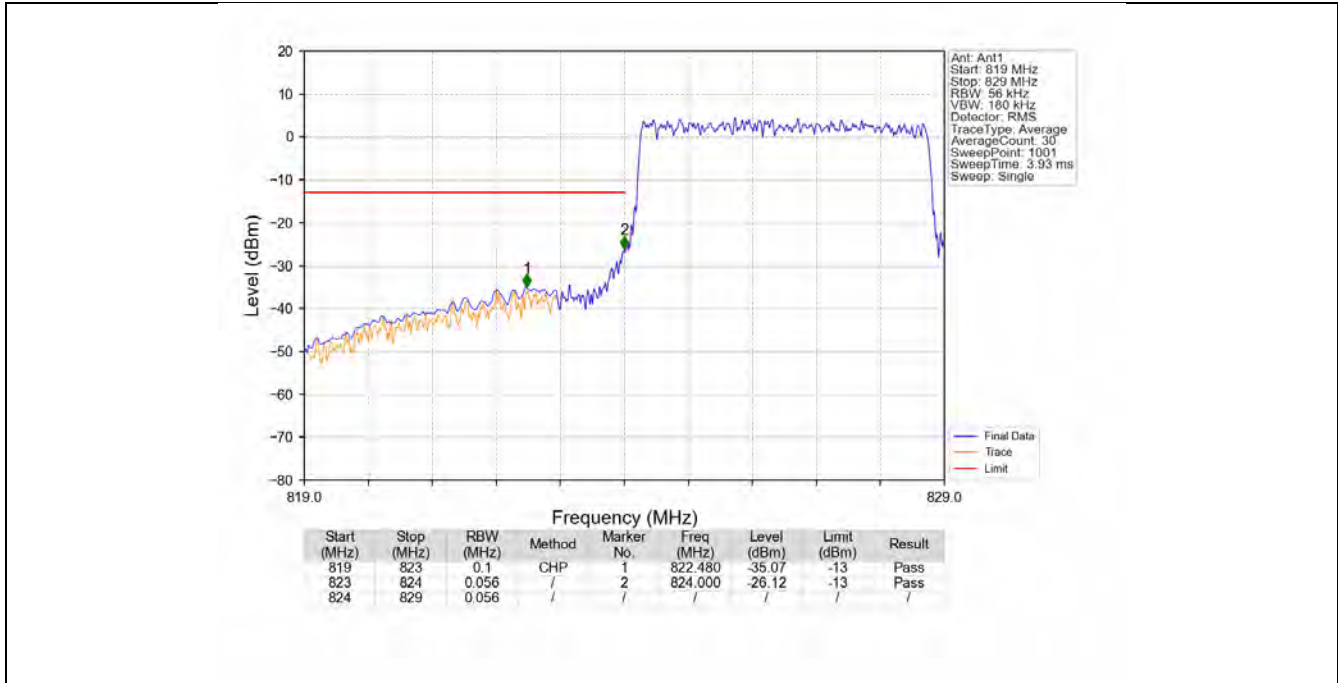


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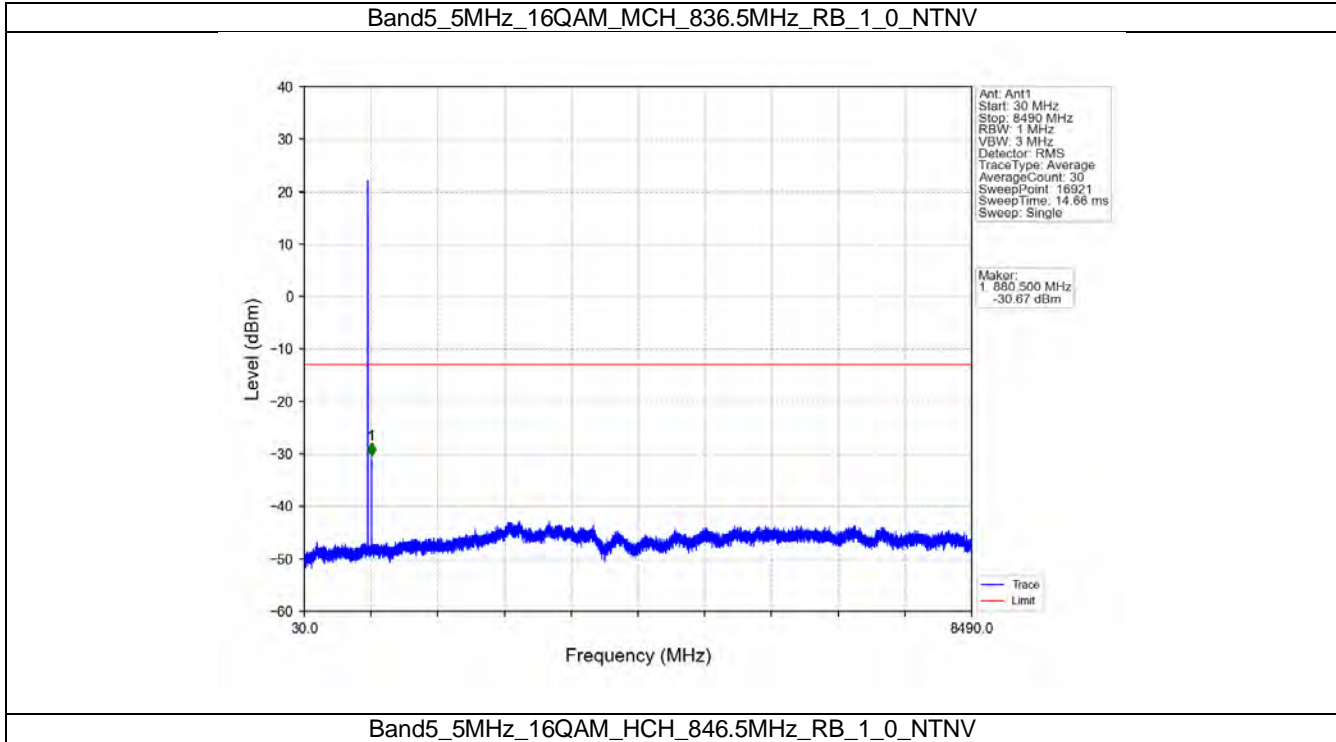


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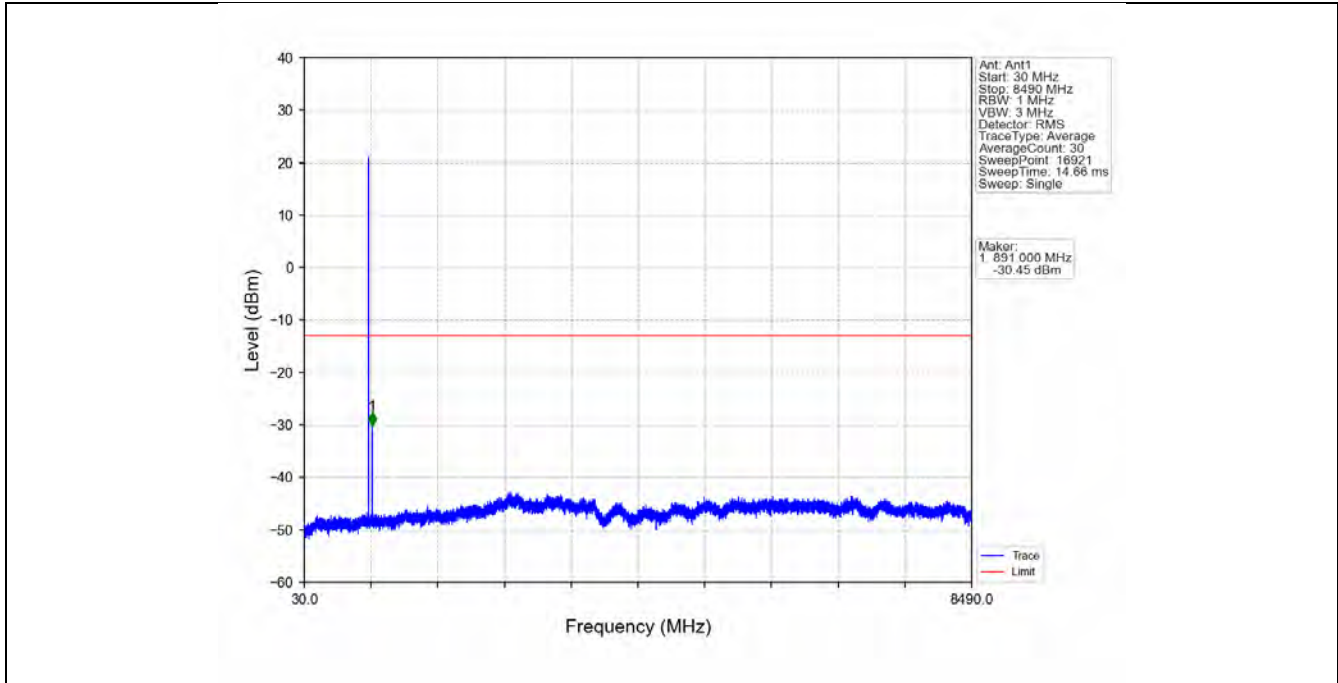


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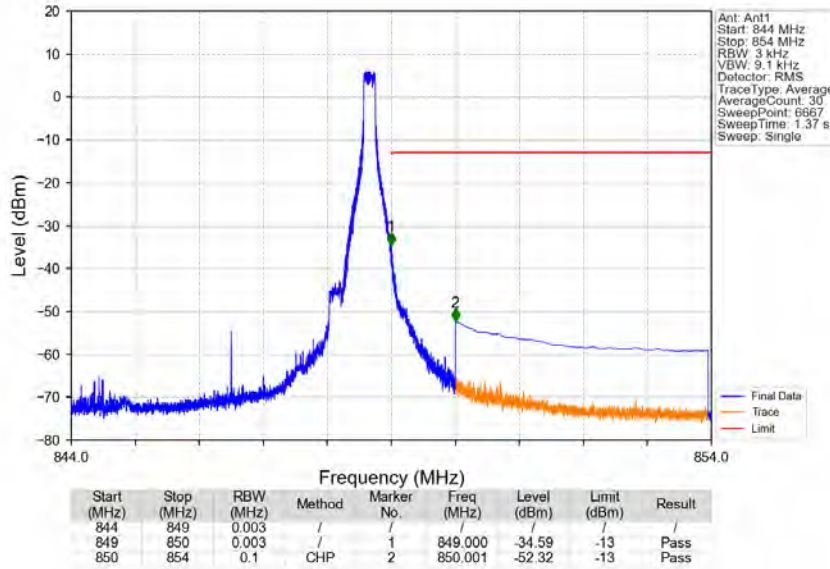
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Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



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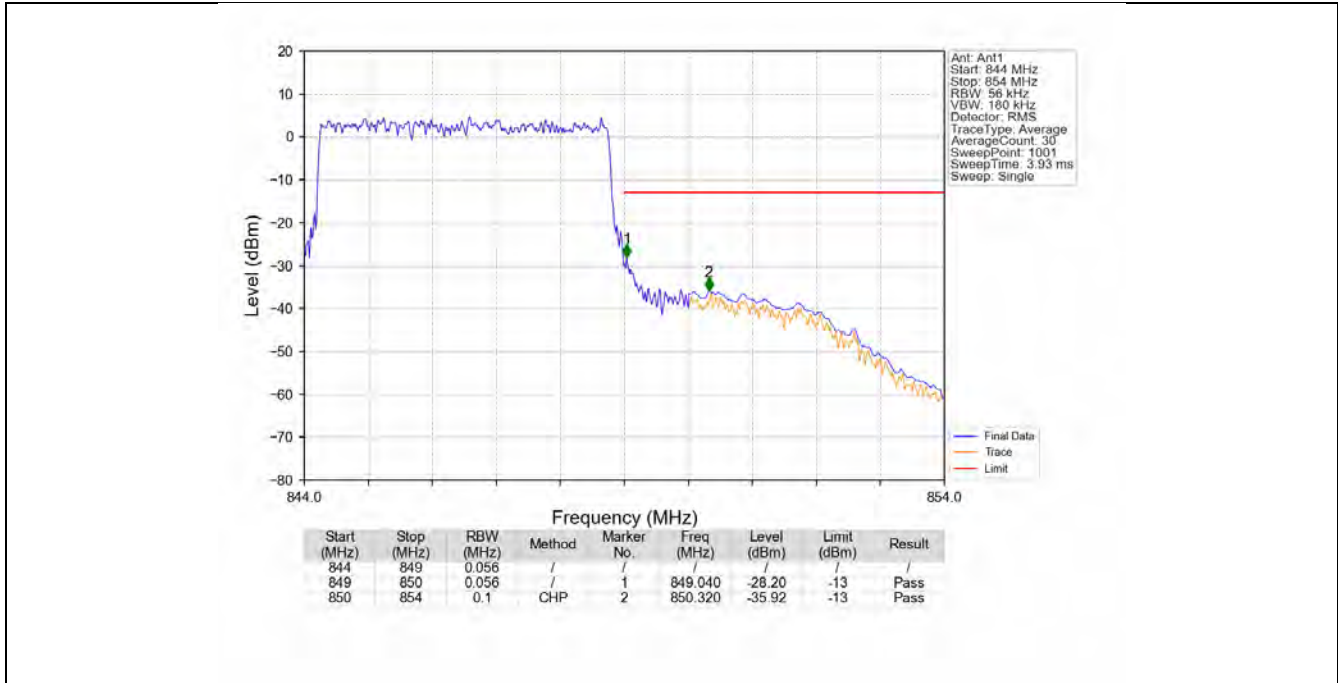


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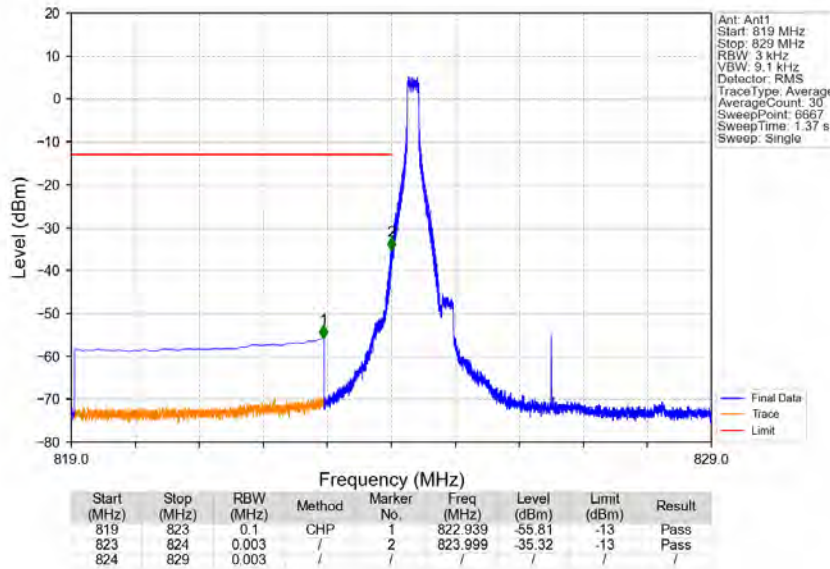
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Band5_5MHz_64QAM_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_64QAM_LCH_826.5MHz_RB_1_0_NTNV



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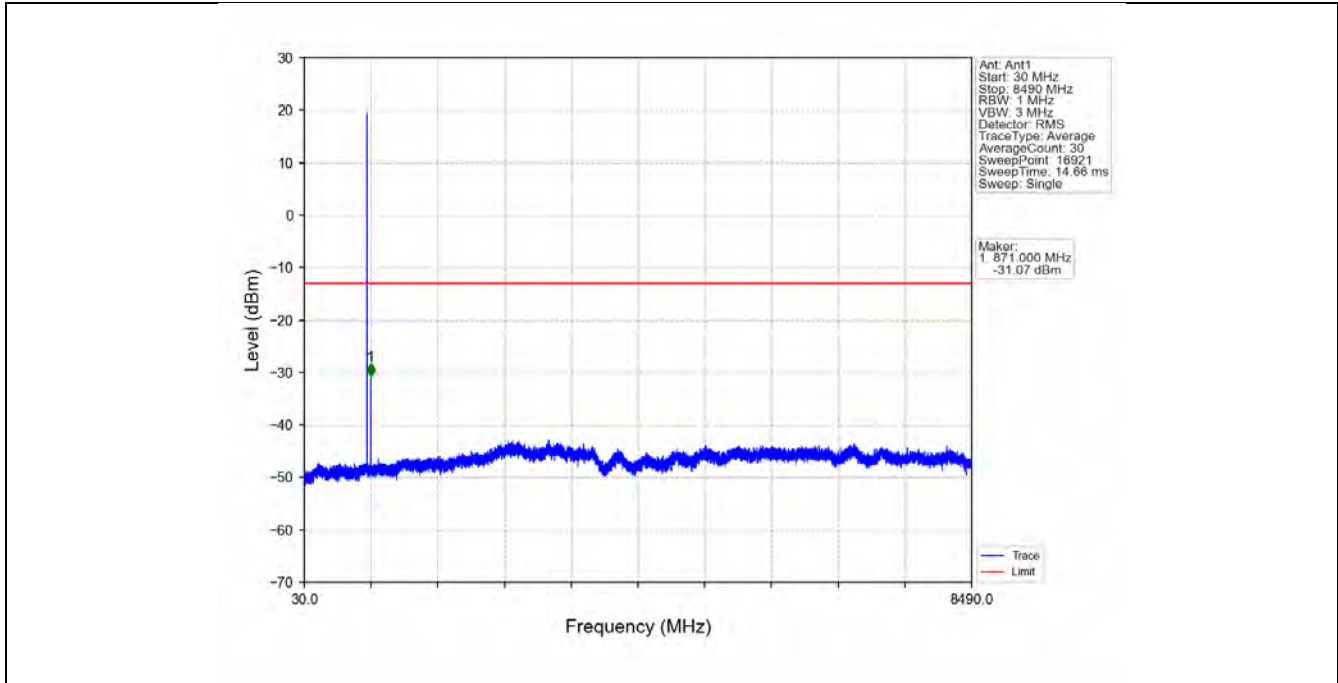


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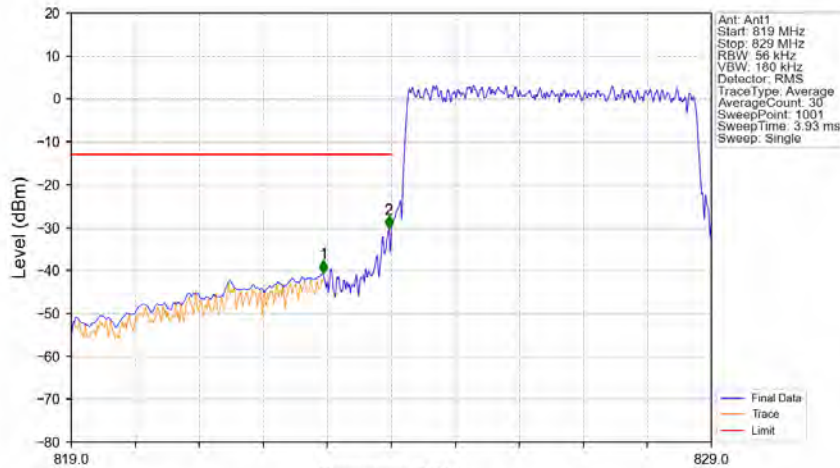
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Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.940	-40.60	-13	Pass
823	824	0.056	/	2	823.960	-30.32	-13	Pass
824	829	0.056	/	/	/	/	/	/

Band5_5MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



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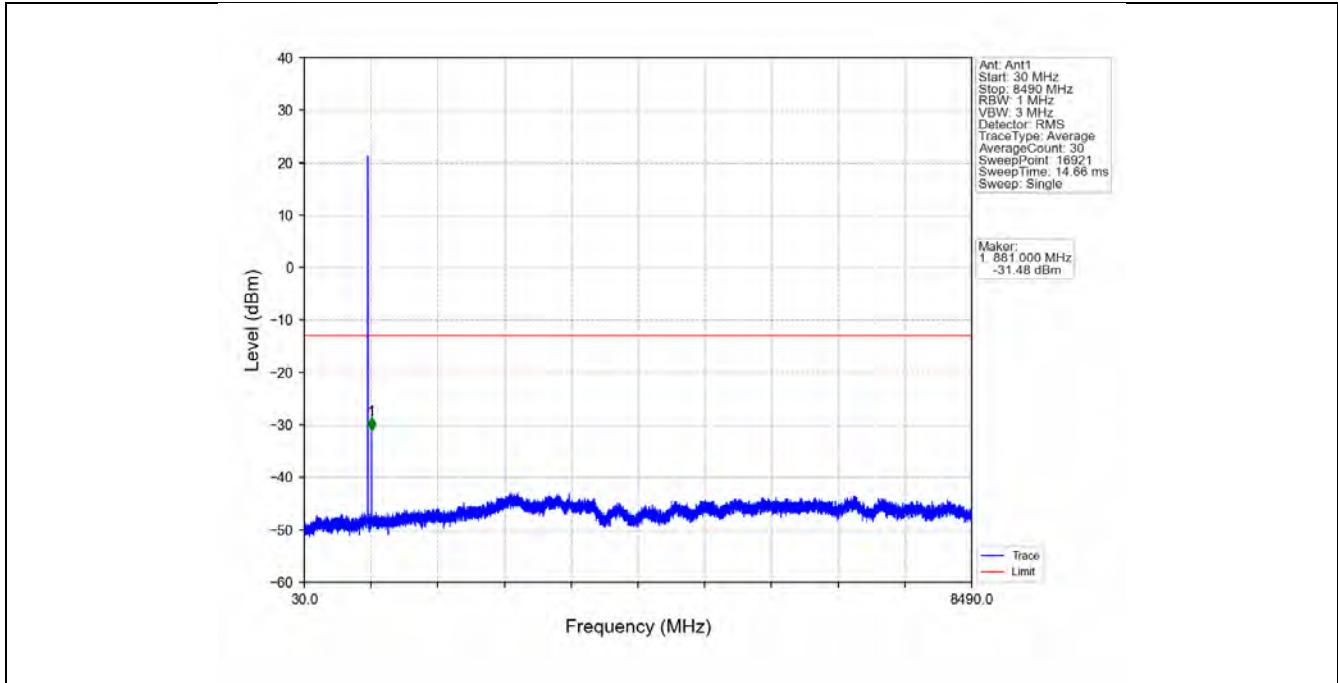


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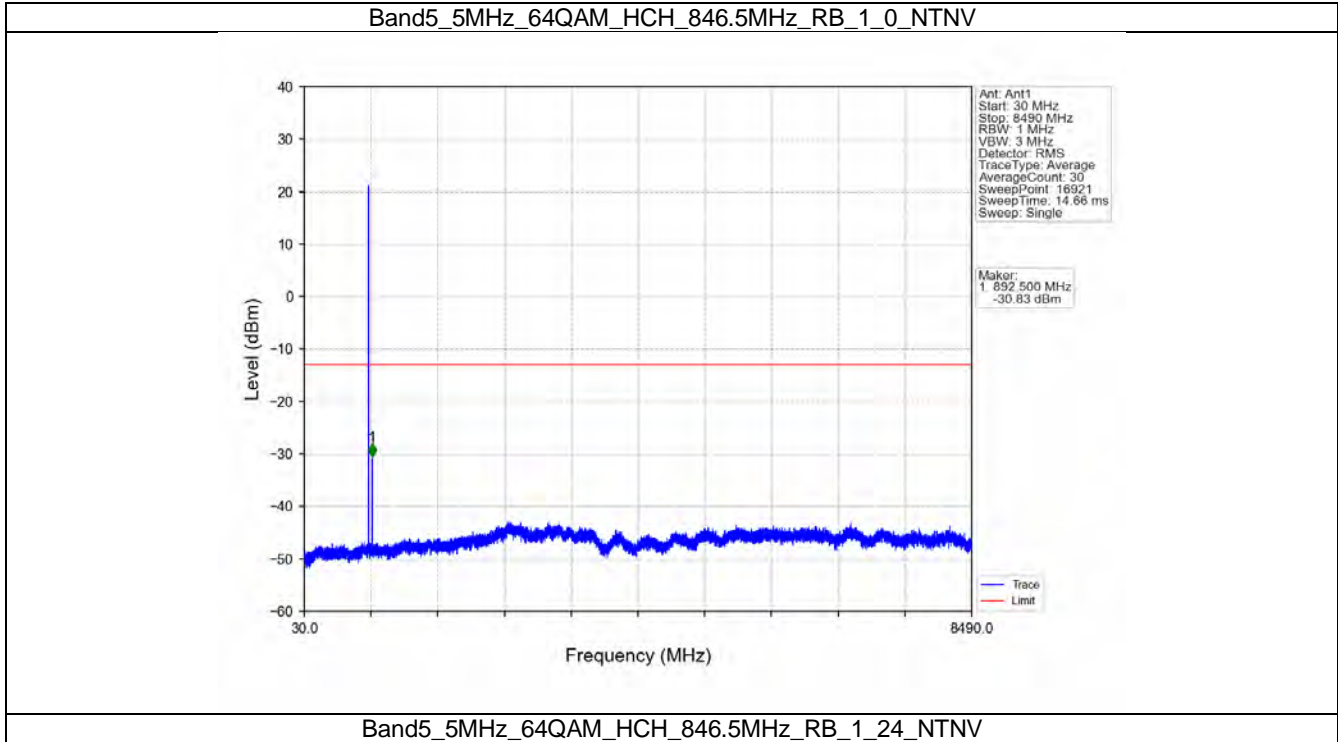


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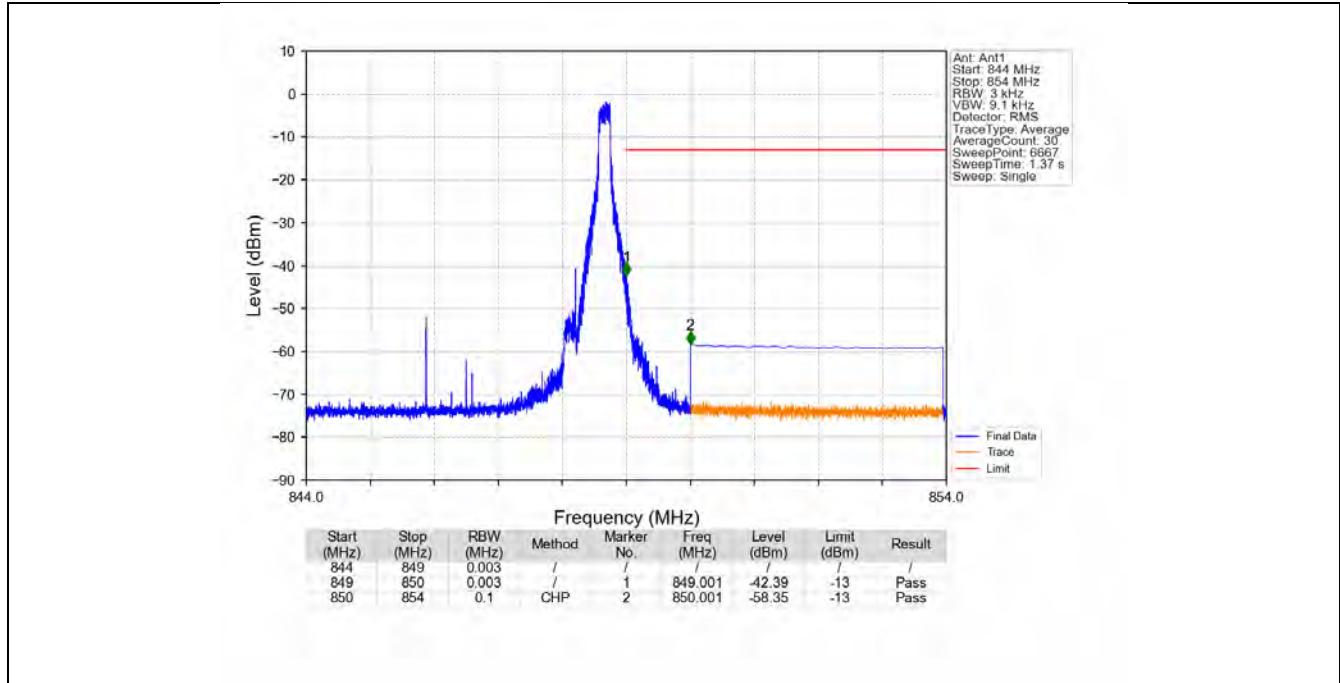


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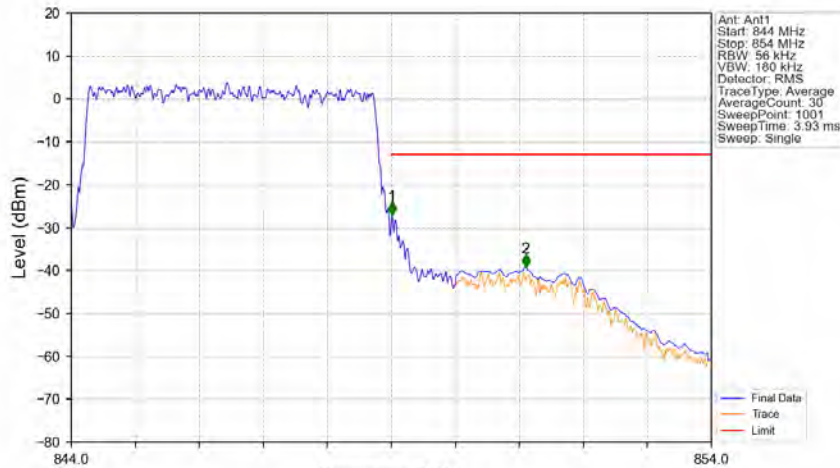
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Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.056	/	/	849.010	-27.14	-13	Pass
849	850	0.056	/	1	849.010	-27.14	-13	Pass
850	854	0.1	CHP	2	851.100	-39.22	-13	Pass



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5.4 B5_10MHz

5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTN						
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	Refer To Test Graph	Pass	
50	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	Refer To Test Graph	Pass	
50	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	Refer To Test Graph	Pass	
50	0	Refer To Test Graph	Pass			



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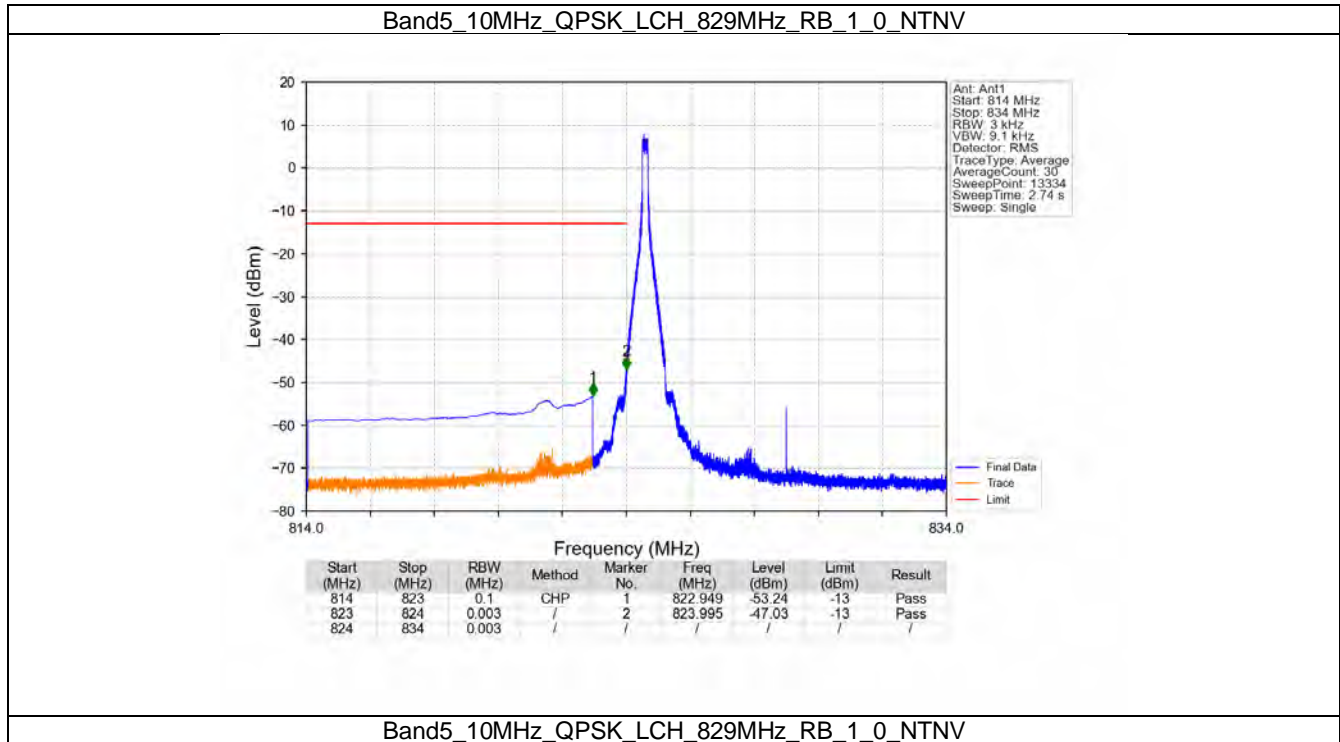
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5.4.2 Test Graph



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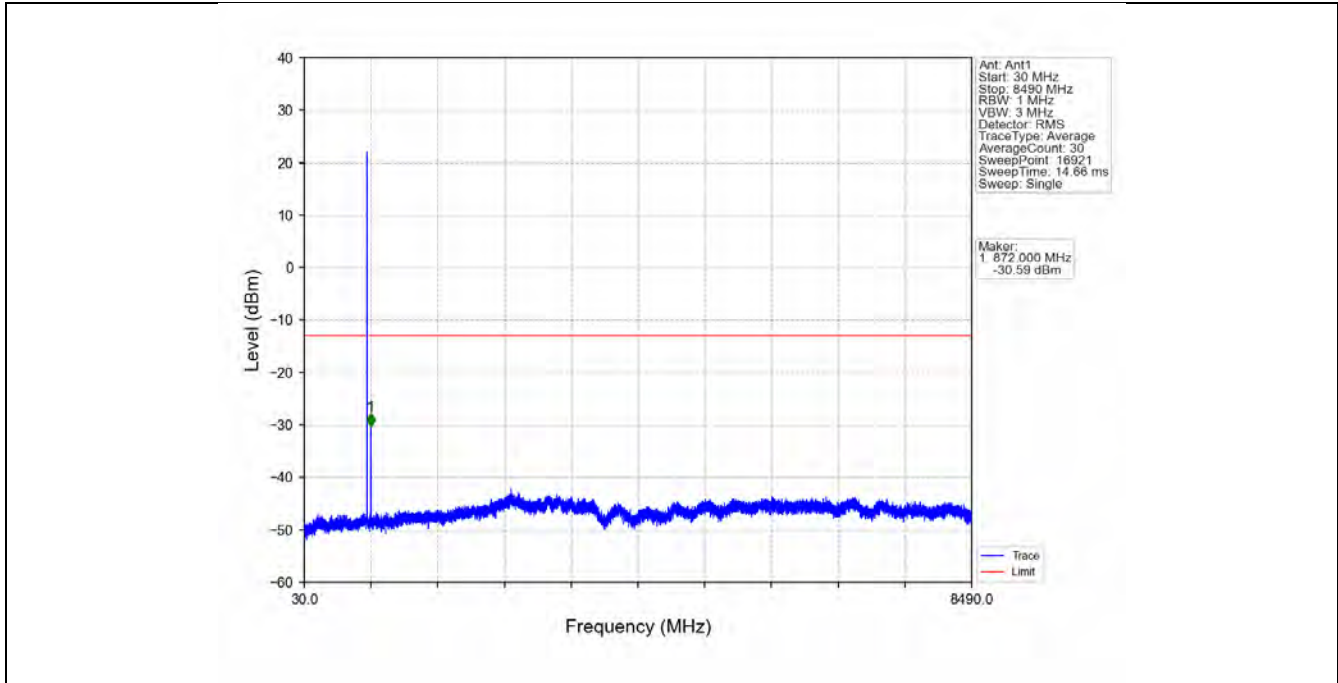
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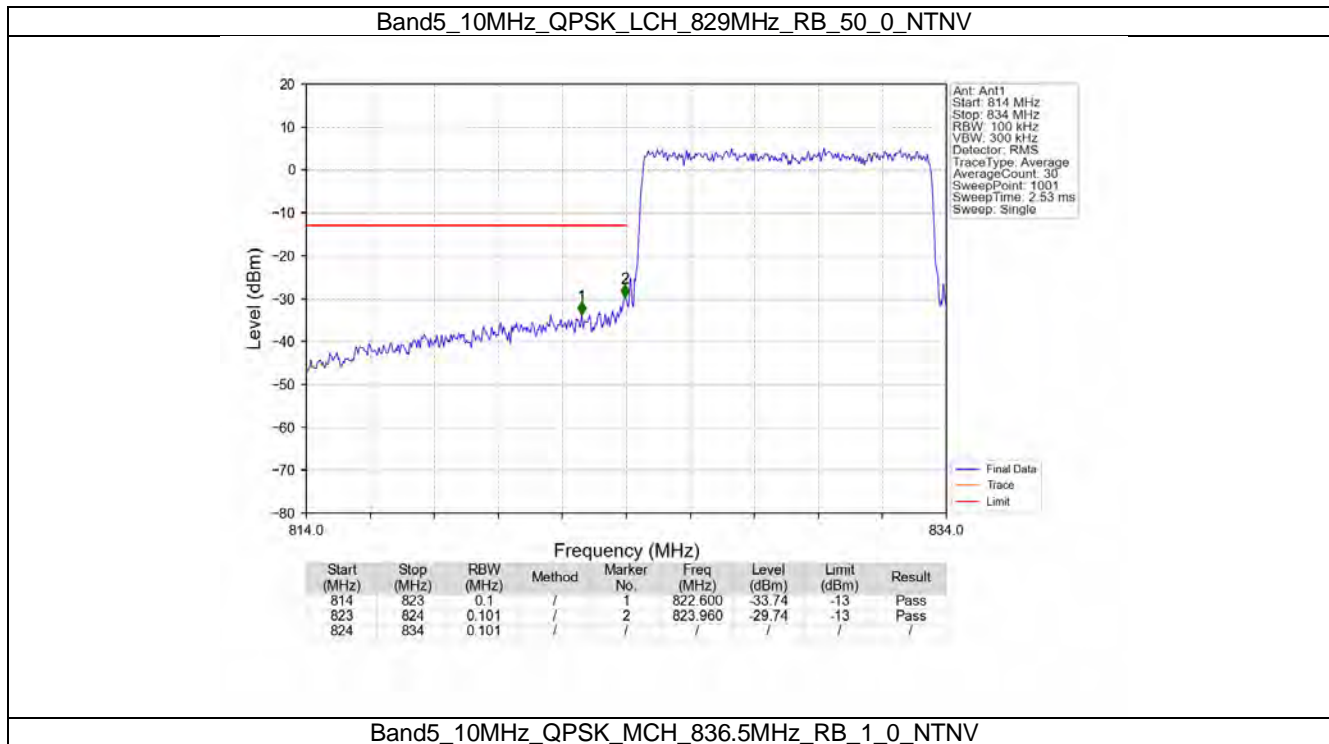
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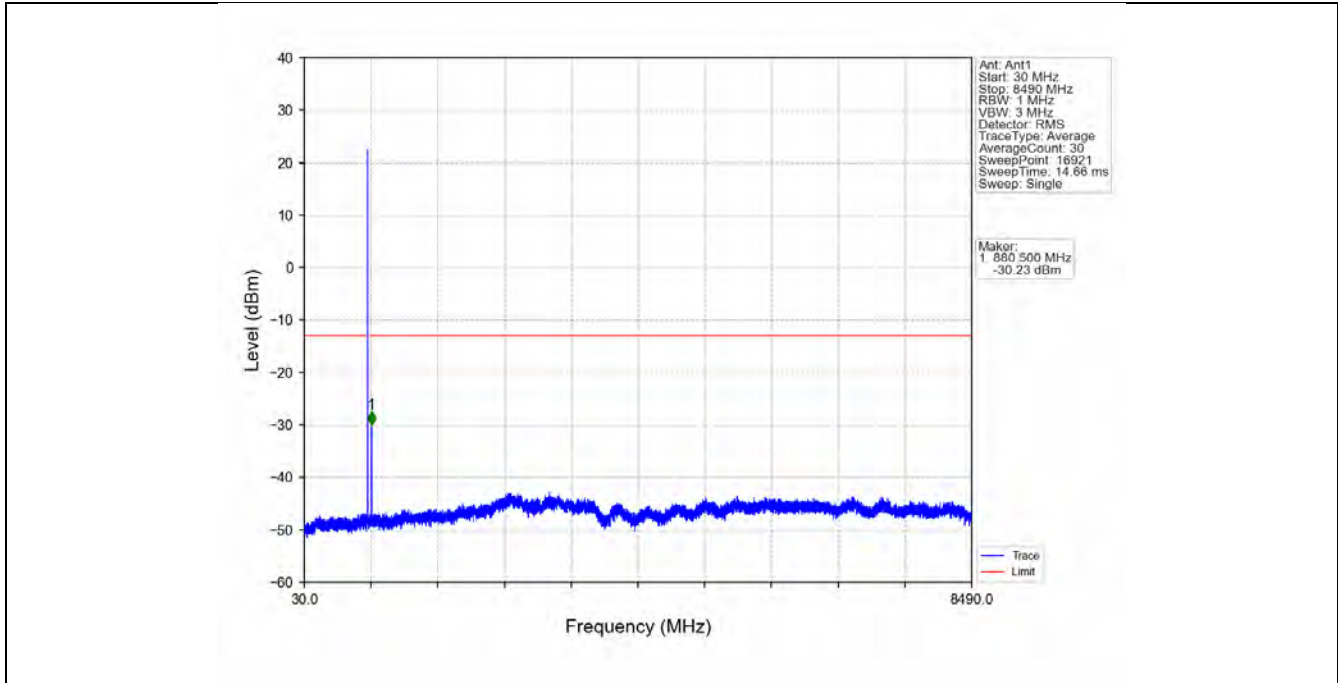


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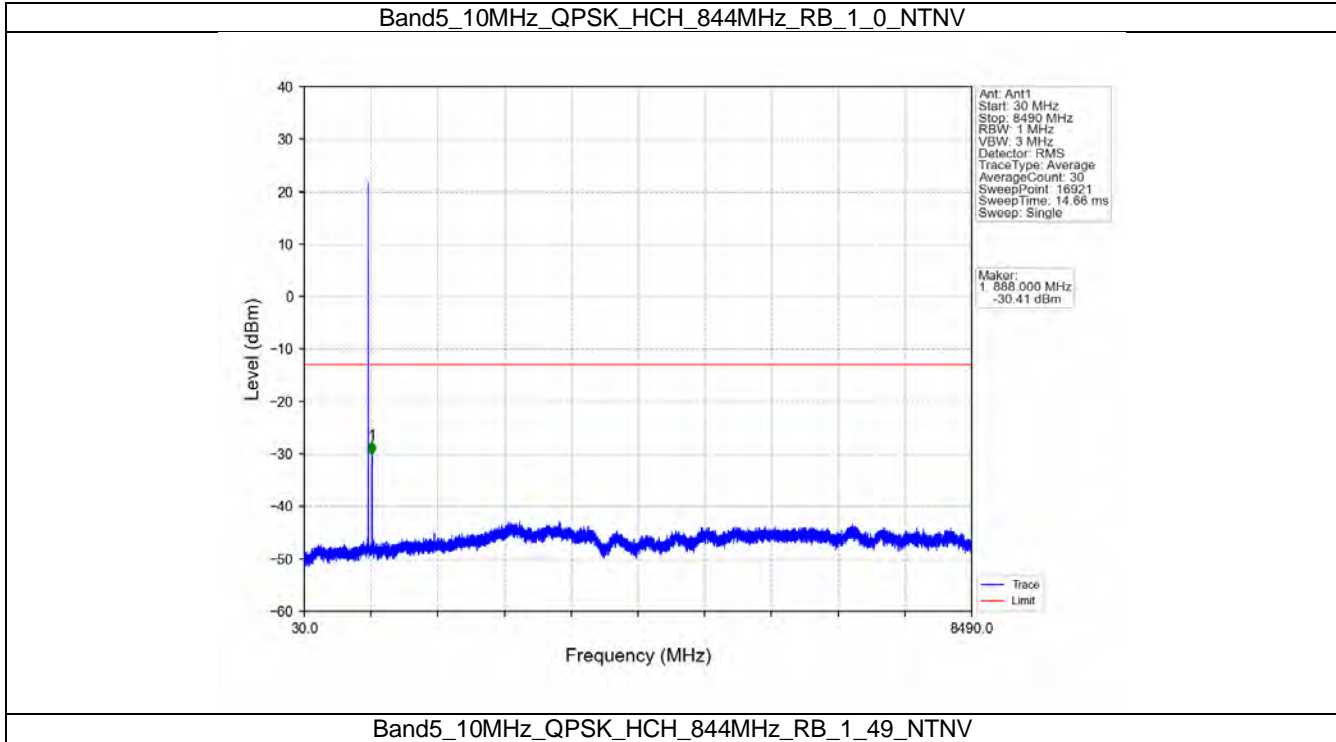


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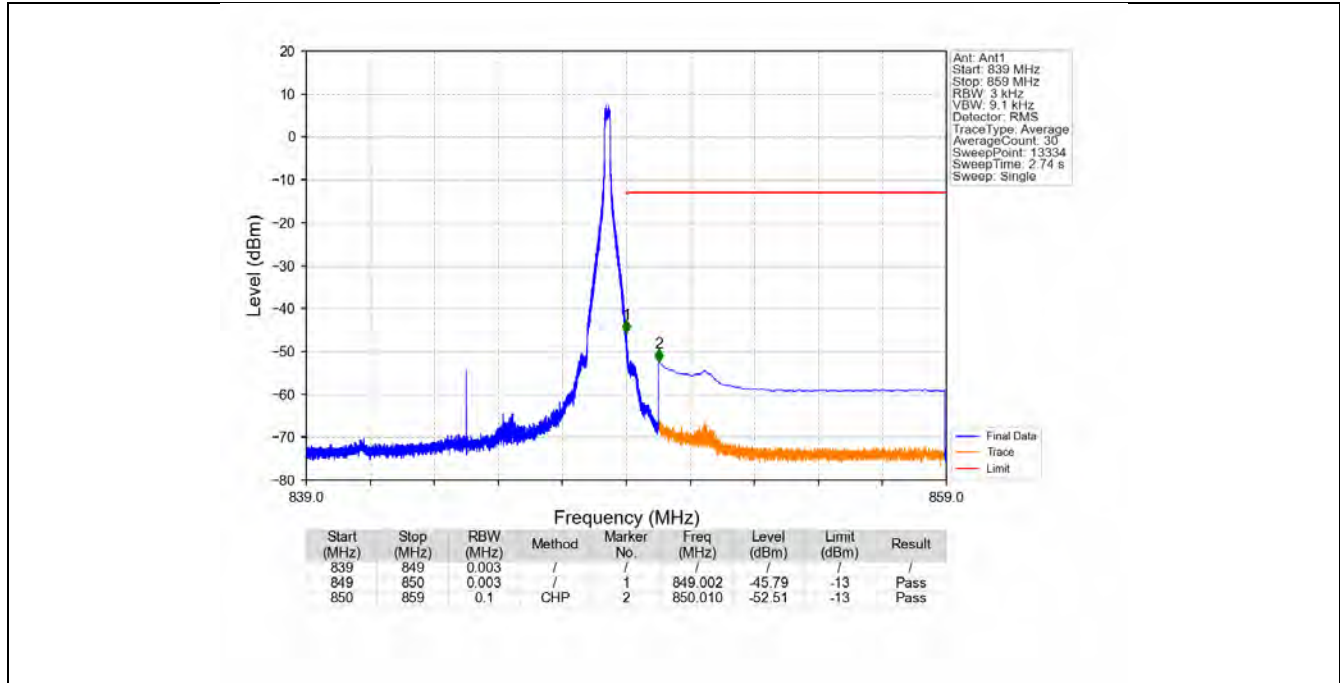


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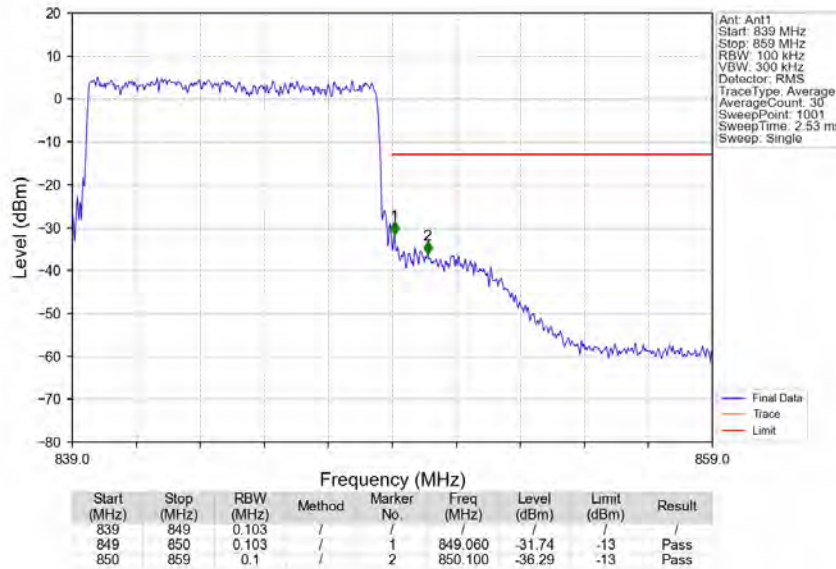
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Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



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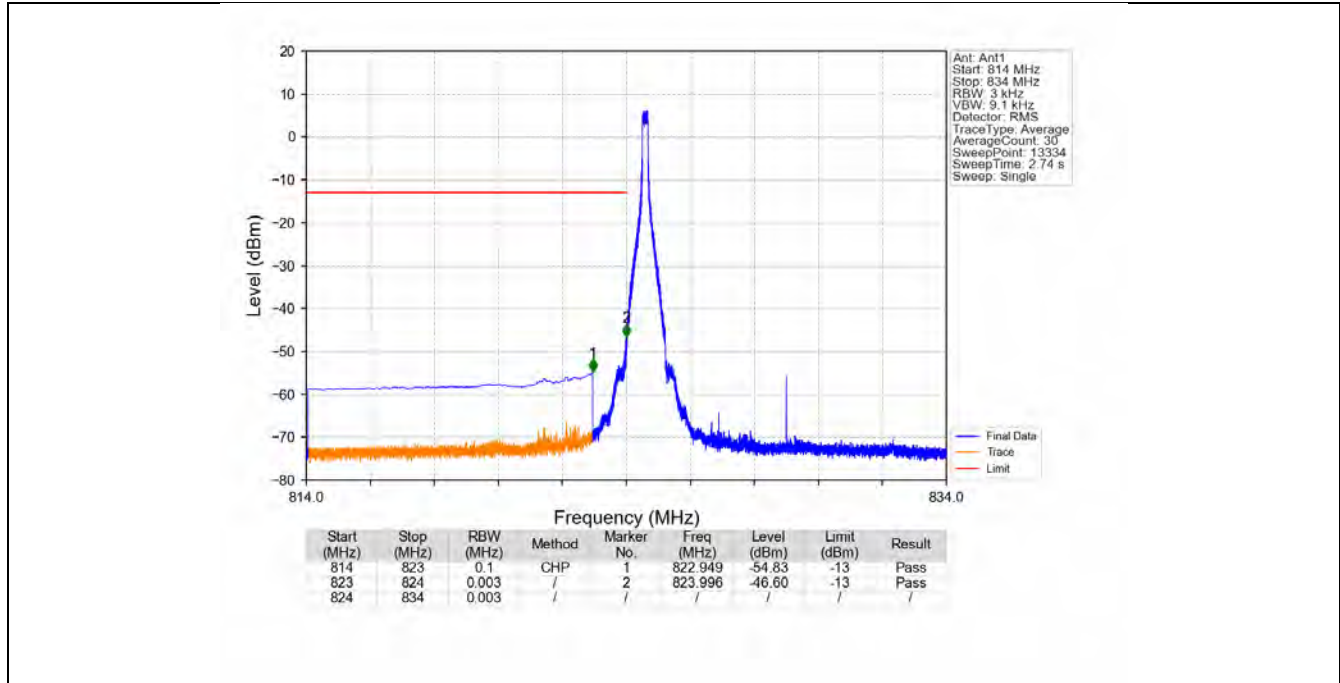


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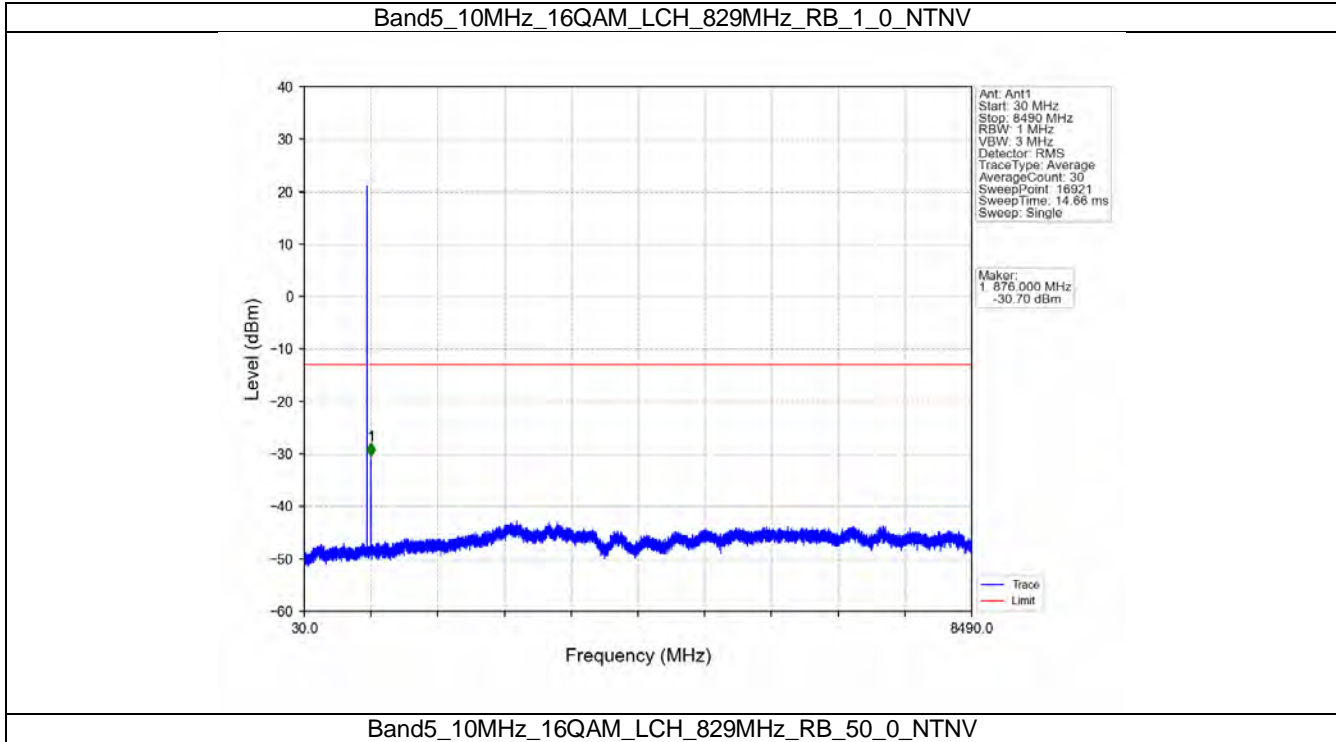


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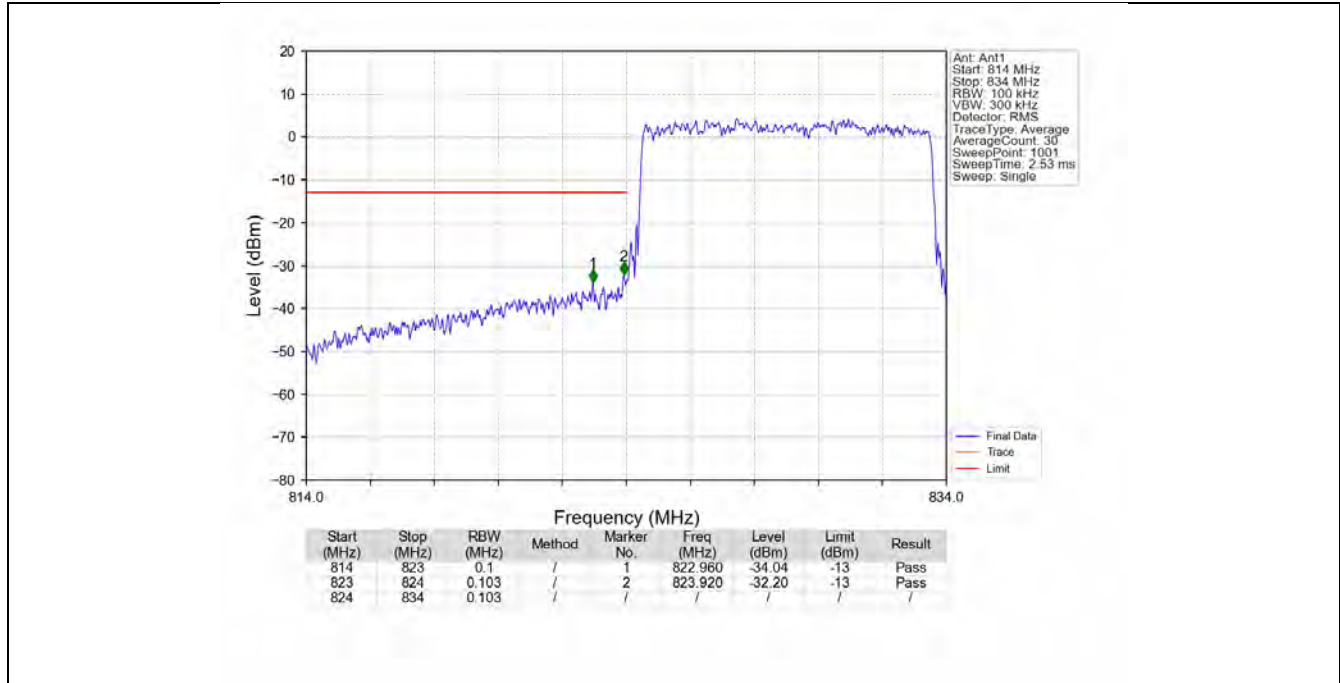


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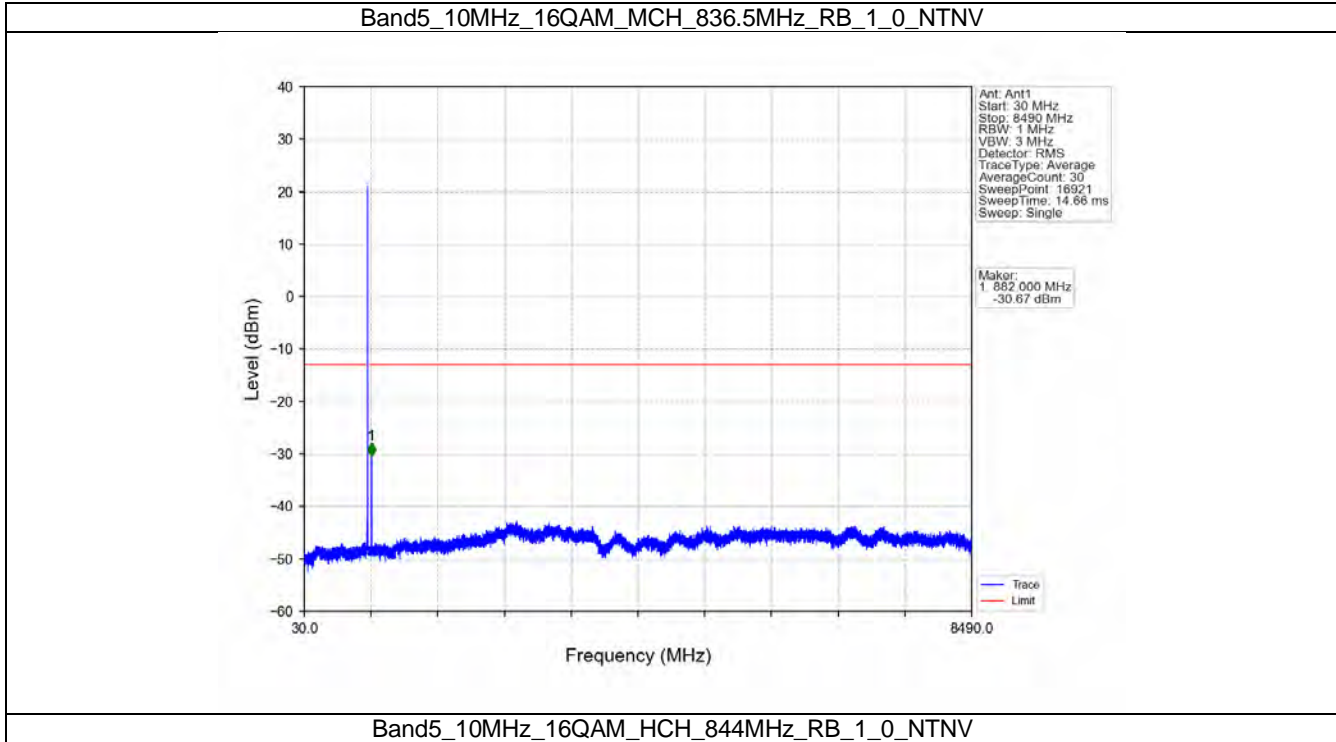


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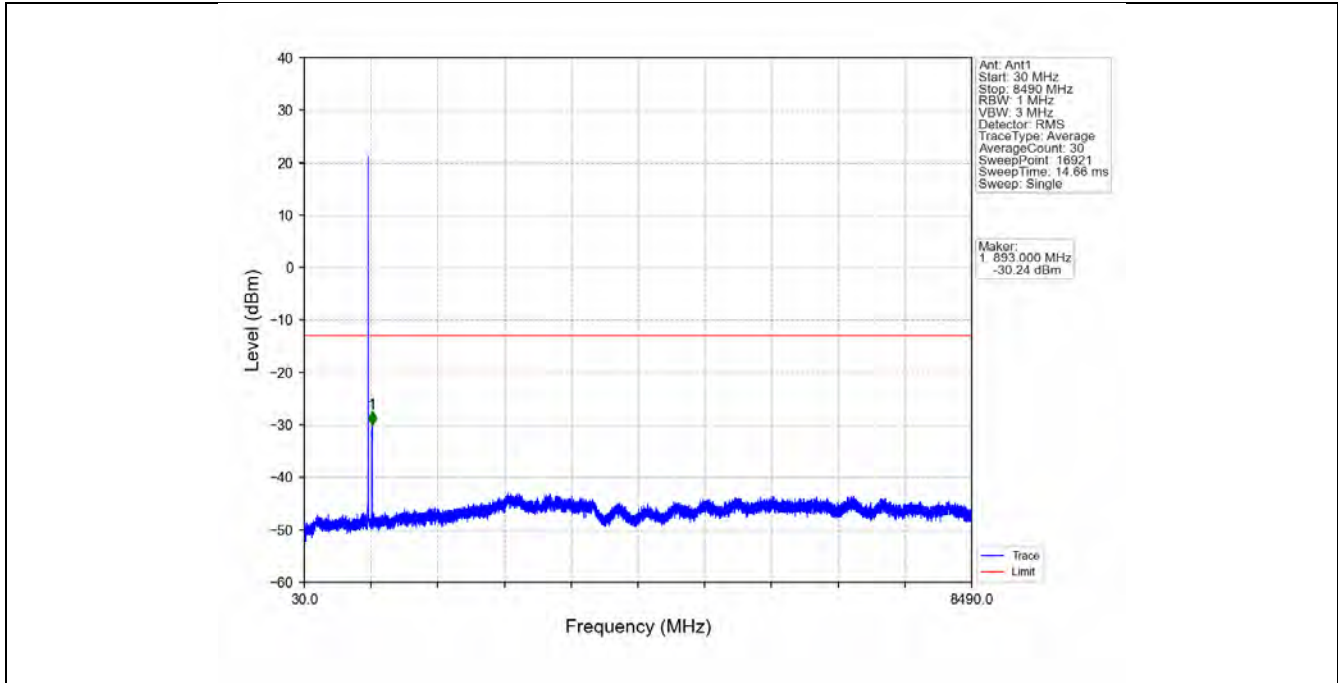


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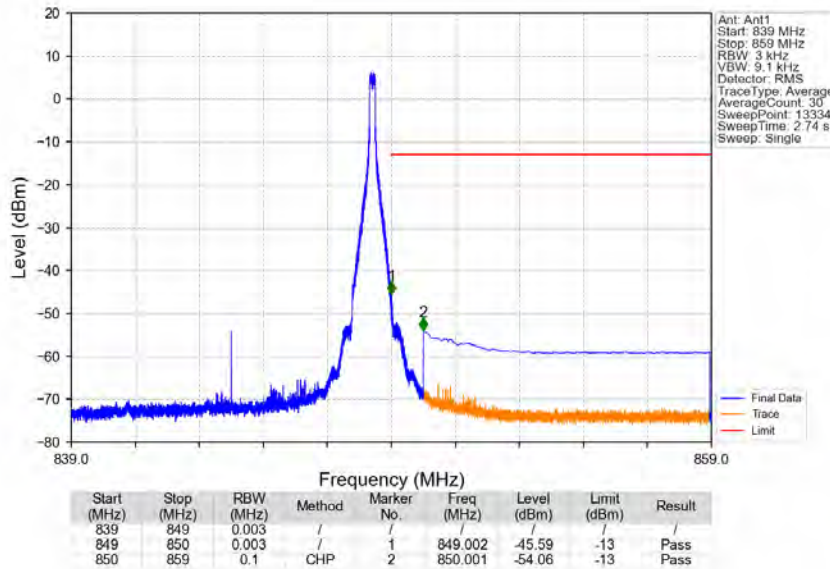
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Band5_10MHz_16QAM_HCH_844MHz_RB_1_49_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



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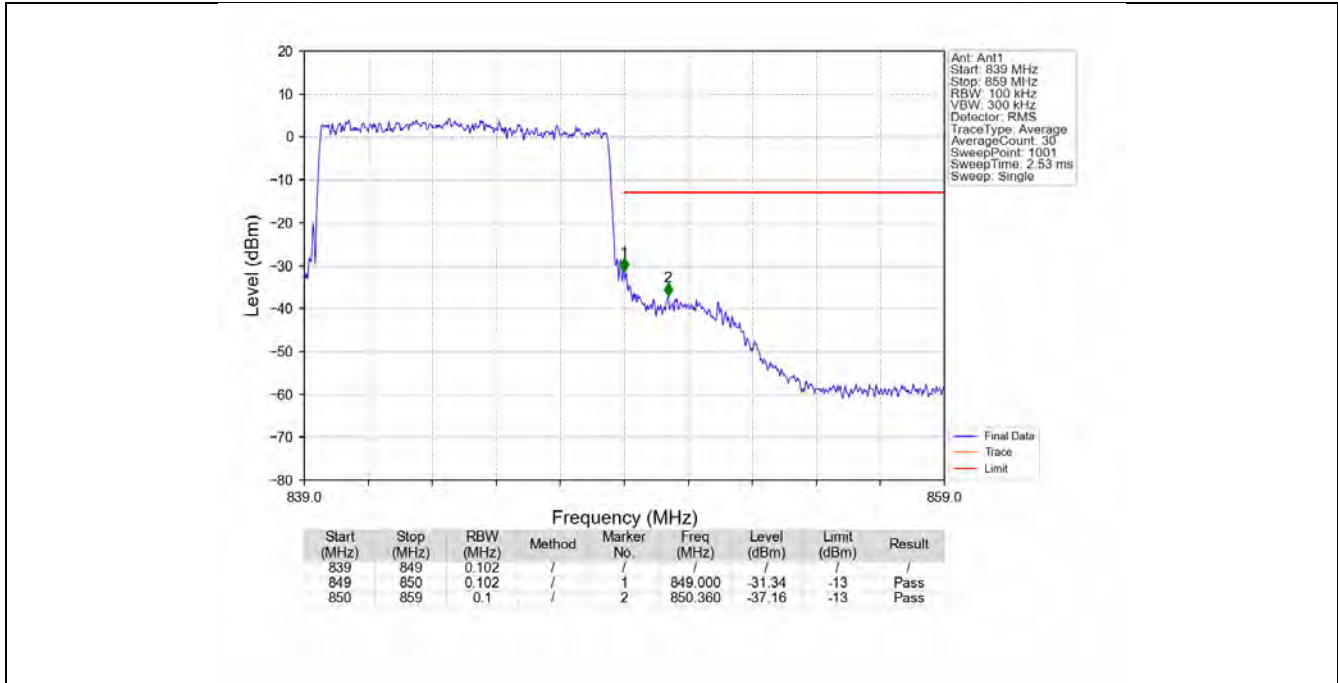


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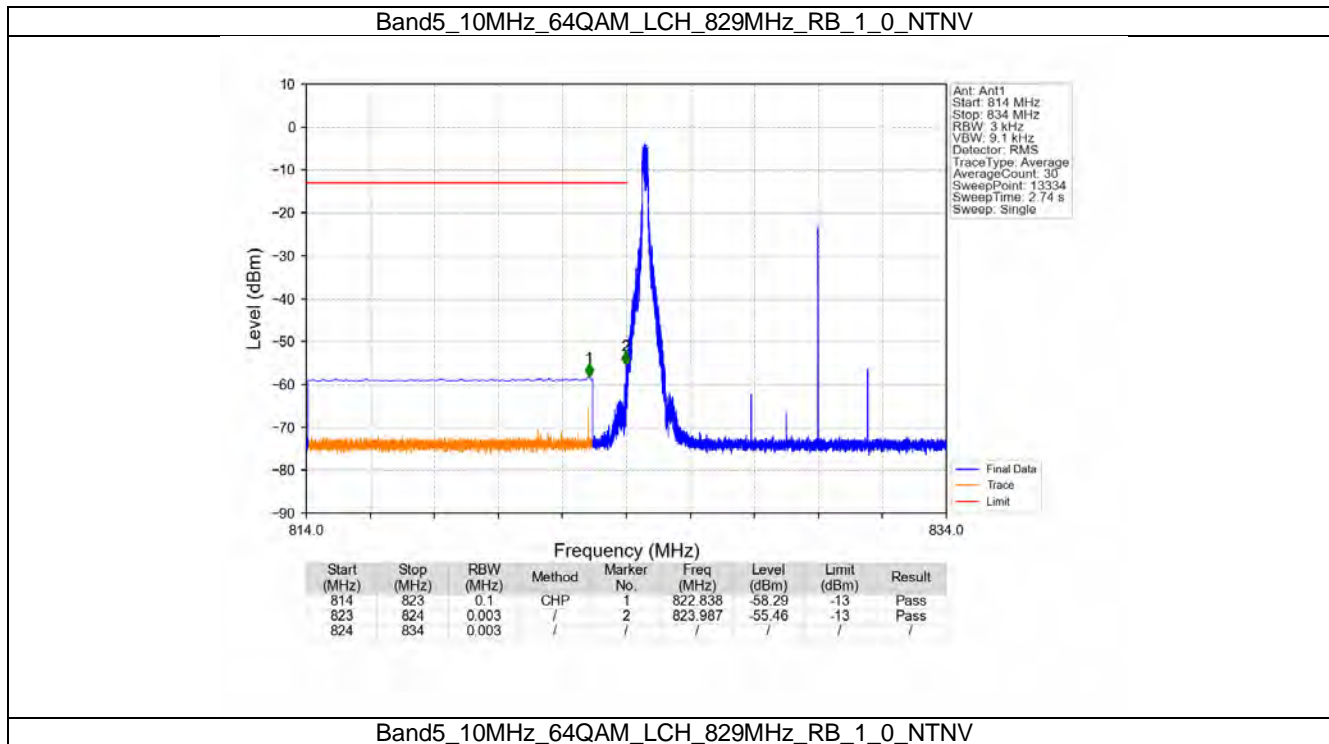
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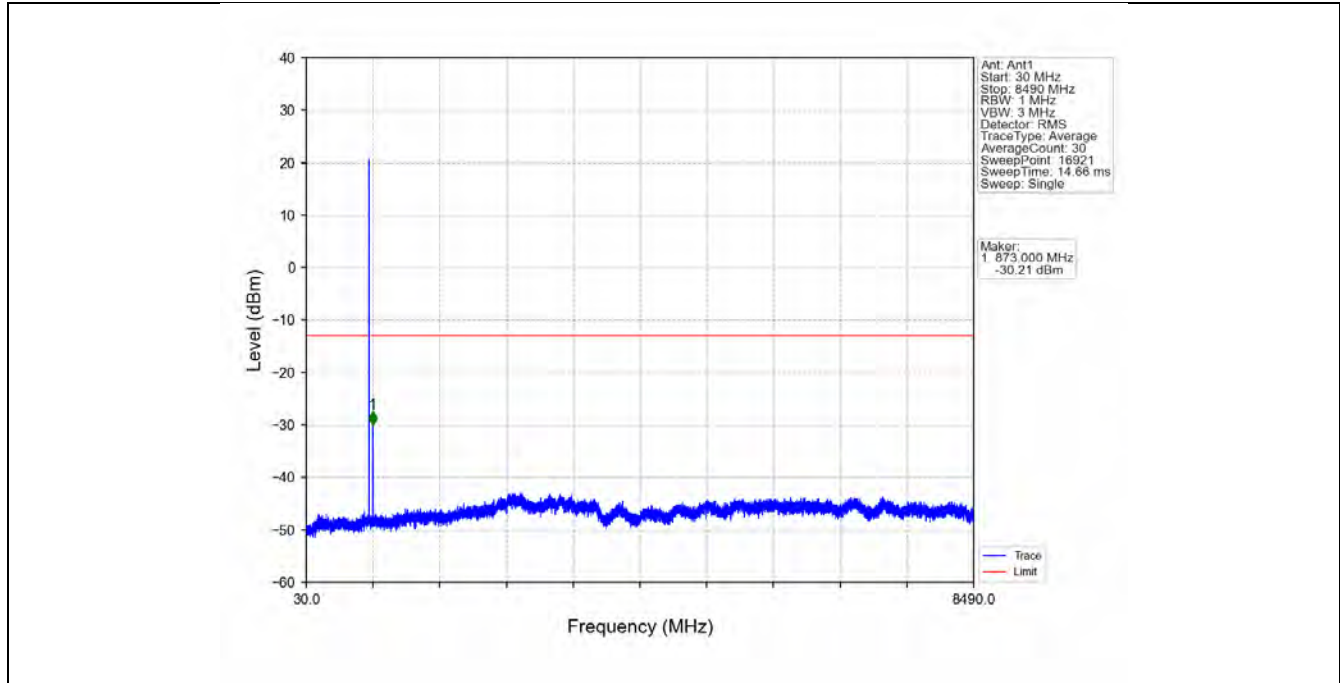
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 Wireless Laboratory

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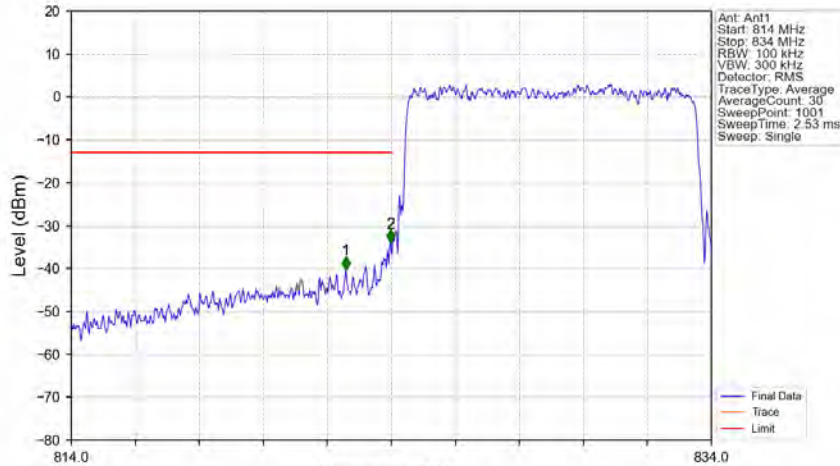
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Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.580	-40.24	-13	Pass
823	824	0.103	/	2	823.980	-33.93	-13	Pass
824	834	0.103	/	/	/	/	/	/

Band5_10MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



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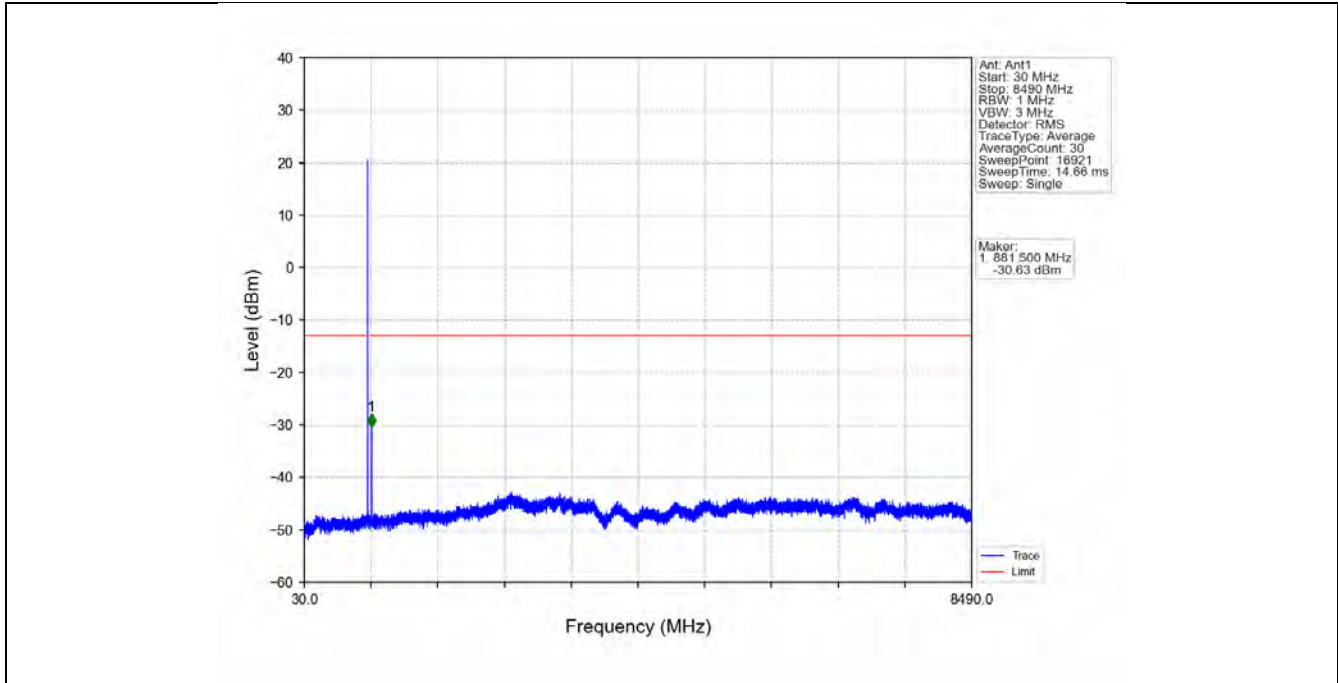


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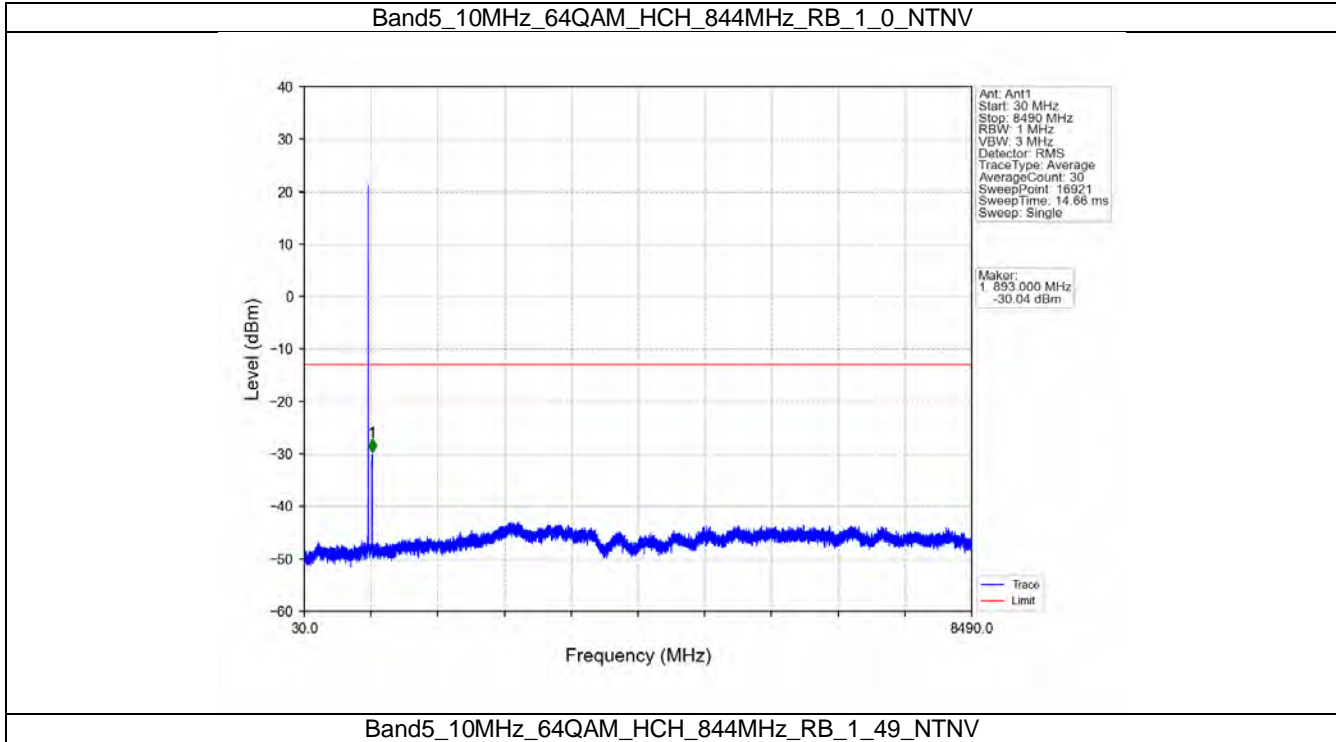


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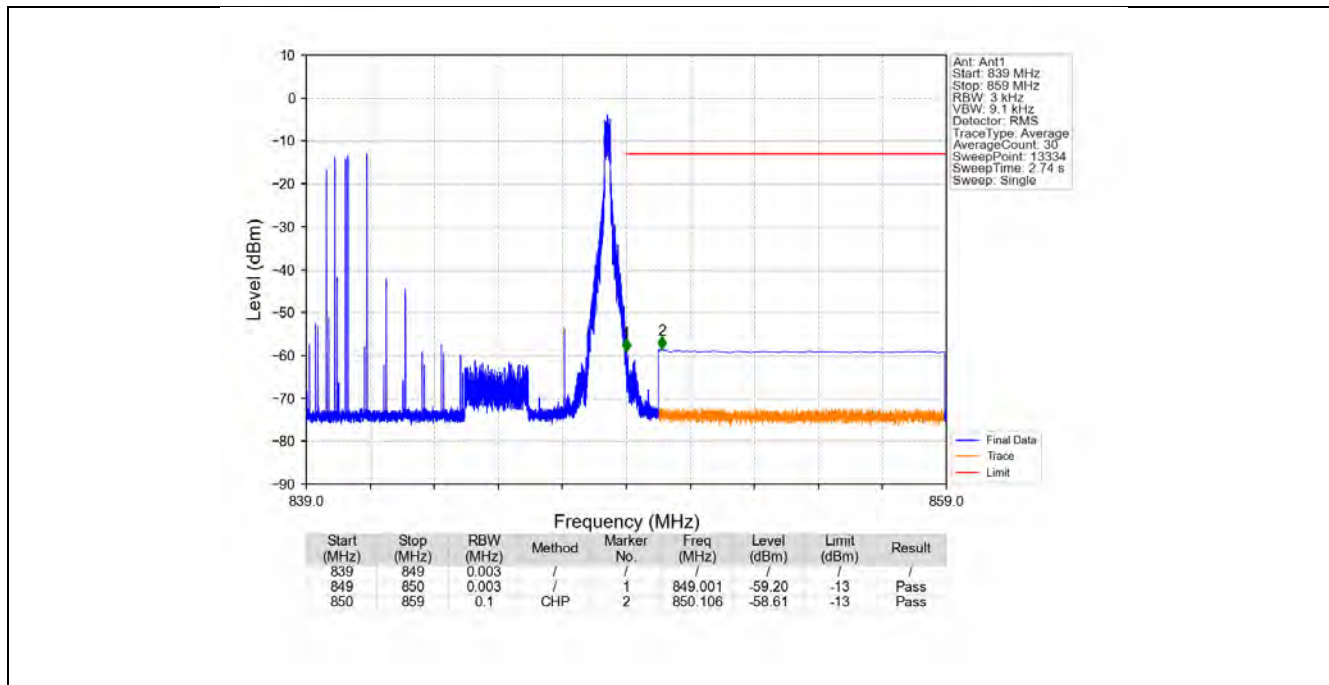
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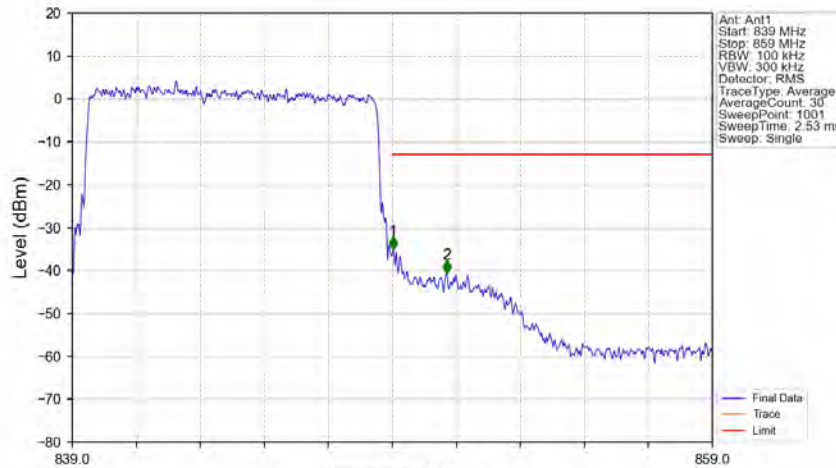
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Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.101	/	/	/	/	/	/
849	850	0.101	/	1	849.020	-35.23	-13	Pass
850	859	0.1	/	2	850.700	-40.68	-13	Pass



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6. Field Strength of Spurious Radiation

LTE Band 5-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1649	-64.89	-13	-51.89	-68.775	2	5.88	Horizontal	Pass
2473.5	-49.65	-13	-36.65	-49.77	2.35	4.62	Horizontal	Pass
3298	-57.22	-13	-44.22	-59.03	2.96	6.92	Horizontal	Pass
1649	-64.84	-13	-51.84	-66.575	2	5.88	Vertical	Pass
2473.5	-47.57	-13	-34.57	-47.69	2.35	4.62	Vertical	Pass
3298	-57.22	-13	-44.22	-59.03	2.96	6.92	Vertical	Pass

LTE Band 5-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1664	-66.6	-13	-53.6	-70.485	2	5.88	Horizontal	Pass
2496	-61.86	-13	-48.86	-61.98	2.35	4.62	Horizontal	Pass
3328	-56.93	-13	-43.93	-58.74	2.96	6.92	Horizontal	Pass
1664	-66.21	-13	-53.21	-67.945	2	5.88	Vertical	Pass
2496	-61.82	-13	-48.82	-61.94	2.35	4.62	Vertical	Pass
3328	-56.66	-13	-43.66	-58.47	2.96	6.92	Vertical	Pass

LTE Band 5-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1679	-65.48	-13	-52.48	-69.365	2	5.88	Horizontal	Pass
2518.5	-61.36	-13	-48.36	-62.375	2.66	5.82	Horizontal	Pass
3358	-55.92	-13	-42.92	-57.73	2.96	6.92	Horizontal	Pass
1679	-66.18	-13	-53.18	-67.915	2	5.88	Vertical	Pass
2518.5	-61.4	-13	-48.4	-62.415	2.66	5.82	Vertical	Pass
3358	-56.57	-13	-43.57	-58.38	2.96	6.92	Vertical	Pass

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