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Appendix B.14

LTE Band 26(824-849)



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B26b_1.4MHz_ERP (NPANT002)

1.1.1 Test Result

Band: 26b / 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	23.07	3.32	24.24	<=38.45	Pass
			2	23.13	3.32	24.30	<=38.45	Pass
			5	23.05	3.32	24.22	<=38.45	Pass
		3	0	23.15	3.32	24.32	<=38.45	Pass
			2	23.20	3.32	24.37	<=38.45	Pass
			3	23.15	3.32	24.32	<=38.45	Pass
		6	0	22.12	3.32	23.29	<=38.45	Pass
	836.5	1	0	23.04	3.32	24.21	<=38.45	Pass
			2	23.18	3.32	24.35	<=38.45	Pass
			5	23.09	3.32	24.26	<=38.45	Pass
		3	0	23.13	3.32	24.30	<=38.45	Pass
			2	23.15	3.32	24.32	<=38.45	Pass
			3	23.09	3.32	24.26	<=38.45	Pass
		6	0	22.08	3.32	23.25	<=38.45	Pass
	848.3	1	0	22.90	3.32	24.07	<=38.45	Pass
			2	22.94	3.32	24.11	<=38.45	Pass
			5	22.85	3.32	24.02	<=38.45	Pass
		3	0	22.94	3.32	24.11	<=38.45	Pass
			2	23.05	3.32	24.22	<=38.45	Pass
			3	22.97	3.32	24.14	<=38.45	Pass
		6	0	21.94	3.32	23.11	<=38.45	Pass
16QAM	824.7	1	0	22.28	3.32	23.45	<=38.45	Pass
			2	22.18	3.32	23.35	<=38.45	Pass
			5	22.19	3.32	23.36	<=38.45	Pass
		3	0	22.15	3.32	23.32	<=38.45	Pass
			2	22.45	3.32	23.62	<=38.45	Pass
			3	22.24	3.32	23.41	<=38.45	Pass
		6	0	21.20	3.32	22.37	<=38.45	Pass
	836.5	1	0	22.10	3.32	23.27	<=38.45	Pass
			2	22.32	3.32	23.49	<=38.45	Pass
			5	22.05	3.32	23.22	<=38.45	Pass
		3	0	22.32	3.32	23.49	<=38.45	Pass
			2	22.26	3.32	23.43	<=38.45	Pass
			3	22.12	3.32	23.29	<=38.45	Pass
		6	0	21.18	3.32	22.35	<=38.45	Pass
	848.3	1	0	22.08	3.32	23.25	<=38.45	Pass
			2	21.98	3.32	23.15	<=38.45	Pass
			5	21.98	3.32	23.15	<=38.45	Pass
		3	0	22.00	3.32	23.17	<=38.45	Pass
			2	22.30	3.32	23.47	<=38.45	Pass



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		3	22.06	3.32	23.23	<=38.45	Pass
	6	0	20.98	3.32	22.15	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15							



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1.2 B26b_3MHz_ERP

1.2.1 Test Result

Band: 26b / 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	23.09	3.32	24.26	<=38.45	Pass
			7	23.16	3.32	24.33	<=38.45	Pass
			14	23.06	3.32	24.23	<=38.45	Pass
		8	0	22.17	3.32	23.34	<=38.45	Pass
			4	22.18	3.32	23.35	<=38.45	Pass
			7	22.13	3.32	23.30	<=38.45	Pass
		15	0	22.15	3.32	23.32	<=38.45	Pass
	836.5	1	0	23.08	3.32	24.25	<=38.45	Pass
			7	23.22	3.32	24.39	<=38.45	Pass
			14	23.07	3.32	24.24	<=38.45	Pass
		8	0	22.14	3.32	23.31	<=38.45	Pass
			4	22.18	3.32	23.35	<=38.45	Pass
			7	22.12	3.32	23.29	<=38.45	Pass
		15	0	22.15	3.32	23.32	<=38.45	Pass
	847.5	1	0	22.98	3.32	24.15	<=38.45	Pass
			7	23.03	3.32	24.20	<=38.45	Pass
			14	22.97	3.32	24.14	<=38.45	Pass
		8	0	22.02	3.32	23.19	<=38.45	Pass
			4	22.06	3.32	23.23	<=38.45	Pass
			7	22.02	3.32	23.19	<=38.45	Pass
		15	0	22.06	3.32	23.23	<=38.45	Pass
16QAM	825.5	1	0	22.25	3.32	23.42	<=38.45	Pass
			7	22.75	3.32	23.92	<=38.45	Pass
			14	22.11	3.32	23.28	<=38.45	Pass
		8	0	21.15	3.32	22.32	<=38.45	Pass
			4	21.39	3.32	22.56	<=38.45	Pass
			7	21.23	3.32	22.40	<=38.45	Pass
		15	0	21.17	3.32	22.34	<=38.45	Pass
	836.5	1	0	22.22	3.32	23.39	<=38.45	Pass
			7	22.36	3.32	23.53	<=38.45	Pass
			14	22.64	3.32	23.81	<=38.45	Pass
		8	0	21.24	3.32	22.41	<=38.45	Pass
			4	21.20	3.32	22.37	<=38.45	Pass
			7	21.30	3.32	22.47	<=38.45	Pass
		15	0	21.24	3.32	22.41	<=38.45	Pass
	847.5	1	0	22.62	3.32	23.79	<=38.45	Pass
			7	22.15	3.32	23.32	<=38.45	Pass
			14	22.11	3.32	23.28	<=38.45	Pass
		8	0	21.27	3.32	22.44	<=38.45	Pass
			4	21.17	3.32	22.34	<=38.45	Pass
			7	21.00	3.32	22.17	<=38.45	Pass
		15	0	21.16	3.32	22.33	<=38.45	Pass



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Note1: ERP=Conducted Power+Antenna Gain-2.15



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1.3 B26b_5MHz_ERP

1.3.1 Test Result

Band: 26b / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	23.13	3.32	24.30	<=38.45	Pass
			13	23.15	3.32	24.32	<=38.45	Pass
			24	23.06	3.32	24.23	<=38.45	Pass
		12	0	22.19	3.32	23.36	<=38.45	Pass
			6	22.21	3.32	23.38	<=38.45	Pass
			13	22.15	3.32	23.32	<=38.45	Pass
		25	0	22.20	3.32	23.37	<=38.45	Pass
	836.5	1	0	23.11	3.32	24.28	<=38.45	Pass
			13	23.17	3.32	24.34	<=38.45	Pass
			24	23.05	3.32	24.22	<=38.45	Pass
		12	0	22.16	3.32	23.33	<=38.45	Pass
			6	22.20	3.32	23.37	<=38.45	Pass
			13	22.14	3.32	23.31	<=38.45	Pass
		25	0	22.19	3.32	23.36	<=38.45	Pass
	846.5	1	0	22.98	3.32	24.15	<=38.45	Pass
			13	23.03	3.32	24.20	<=38.45	Pass
			24	22.93	3.32	24.10	<=38.45	Pass
		12	0	22.07	3.32	23.24	<=38.45	Pass
			6	22.06	3.32	23.23	<=38.45	Pass
			13	22.00	3.32	23.17	<=38.45	Pass
		25	0	22.09	3.32	23.26	<=38.45	Pass
16QAM	826.5	1	0	21.99	3.32	23.16	<=38.45	Pass
			13	22.30	3.32	23.47	<=38.45	Pass
			24	22.38	3.32	23.55	<=38.45	Pass
		12	0	21.22	3.32	22.39	<=38.45	Pass
			6	21.23	3.32	22.40	<=38.45	Pass
			13	21.23	3.32	22.40	<=38.45	Pass
		25	0	21.23	3.32	22.40	<=38.45	Pass
	836.5	1	0	22.44	3.32	23.61	<=38.45	Pass
			13	22.05	3.32	23.22	<=38.45	Pass
			24	22.20	3.32	23.37	<=38.45	Pass
		12	0	21.25	3.32	22.42	<=38.45	Pass
			6	21.25	3.32	22.42	<=38.45	Pass
			13	21.18	3.32	22.35	<=38.45	Pass
		25	0	21.23	3.32	22.40	<=38.45	Pass
	846.5	1	0	22.17	3.32	23.34	<=38.45	Pass
			13	22.38	3.32	23.55	<=38.45	Pass
			24	21.81	3.32	22.98	<=38.45	Pass
		12	0	21.16	3.32	22.33	<=38.45	Pass
			6	21.21	3.32	22.38	<=38.45	Pass
			13	21.06	3.32	22.23	<=38.45	Pass
		25	0	21.17	3.32	22.34	<=38.45	Pass



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Note1: ERP=Conducted Power+Antenna Gain-2.15



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1.4 B26b_10MHz_ERP

1.4.1 Test Result

Band: 26b / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	23.09	3.32	24.26	<=38.45	Pass
			25	23.04	3.32	24.21	<=38.45	Pass
			49	22.96	3.32	24.13	<=38.45	Pass
		25	0	22.20	3.32	23.37	<=38.45	Pass
			13	22.18	3.32	23.35	<=38.45	Pass
			25	22.13	3.32	23.30	<=38.45	Pass
		50	0	22.20	3.32	23.37	<=38.45	Pass
	836.5	1	0	23.11	3.32	24.28	<=38.45	Pass
			25	23.06	3.32	24.23	<=38.45	Pass
			49	22.99	3.32	24.16	<=38.45	Pass
		25	0	22.19	3.32	23.36	<=38.45	Pass
			13	22.22	3.32	23.39	<=38.45	Pass
			25	22.17	3.32	23.34	<=38.45	Pass
		50	0	22.19	3.32	23.36	<=38.45	Pass
	844	1	0	23.12	3.32	24.29	<=38.45	Pass
			25	23.00	3.32	24.17	<=38.45	Pass
			49	22.92	3.32	24.09	<=38.45	Pass
		25	0	22.14	3.32	23.31	<=38.45	Pass
			13	22.15	3.32	23.32	<=38.45	Pass
			25	22.07	3.32	23.24	<=38.45	Pass
		50	0	22.12	3.32	23.29	<=38.45	Pass
16QAM	829	1	0	22.69	3.32	23.86	<=38.45	Pass
			25	22.65	3.32	23.82	<=38.45	Pass
			49	22.61	3.32	23.78	<=38.45	Pass
		25	0	21.27	3.32	22.44	<=38.45	Pass
			13	21.32	3.32	22.49	<=38.45	Pass
			25	21.29	3.32	22.46	<=38.45	Pass
		50	0	21.23	3.32	22.40	<=38.45	Pass
	836.5	1	0	22.34	3.32	23.51	<=38.45	Pass
			25	22.70	3.32	23.87	<=38.45	Pass
			49	22.05	3.32	23.22	<=38.45	Pass
		25	0	21.28	3.32	22.45	<=38.45	Pass
			13	21.34	3.32	22.51	<=38.45	Pass
			25	21.26	3.32	22.43	<=38.45	Pass
		50	0	21.21	3.32	22.38	<=38.45	Pass
	844	1	0	22.14	3.32	23.31	<=38.45	Pass
			25	22.09	3.32	23.26	<=38.45	Pass
			49	21.97	3.32	23.14	<=38.45	Pass
		25	0	21.30	3.32	22.47	<=38.45	Pass
			13	21.28	3.32	22.45	<=38.45	Pass
			25	21.19	3.32	22.36	<=38.45	Pass
		50	0	21.15	3.32	22.32	<=38.45	Pass



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Note1: ERP=Conducted Power+Antenna Gain-2.15



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1.5 B26b_15MHz_ERP

1.5.1 Test Result

Band: 26b / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	831.5	1	0	23.12	3.32	24.29	<=38.45	Pass
			38	23.04	3.32	24.21	<=38.45	Pass
			74	23.02	3.32	24.19	<=38.45	Pass
		36	0	22.19	3.32	23.36	<=38.45	Pass
			18	22.16	3.32	23.33	<=38.45	Pass
			39	22.15	3.32	23.32	<=38.45	Pass
		75	0	22.17	3.32	23.34	<=38.45	Pass
	836.5	1	0	23.14	3.32	24.31	<=38.45	Pass
			38	23.05	3.32	24.22	<=38.45	Pass
			74	22.94	3.32	24.11	<=38.45	Pass
		36	0	22.17	3.32	23.34	<=38.45	Pass
			18	22.15	3.32	23.32	<=38.45	Pass
			39	22.10	3.32	23.27	<=38.45	Pass
		75	0	22.19	3.32	23.36	<=38.45	Pass
	841.5	1	0	23.13	3.32	24.30	<=38.45	Pass
			38	23.04	3.32	24.21	<=38.45	Pass
			74	22.90	3.32	24.07	<=38.45	Pass
		36	0	22.18	3.32	23.35	<=38.45	Pass
			18	22.15	3.32	23.32	<=38.45	Pass
			39	22.05	3.32	23.22	<=38.45	Pass
		75	0	22.11	3.32	23.28	<=38.45	Pass
16QAM	831.5	1	0	22.74	3.32	23.91	<=38.45	Pass
			38	22.74	3.32	23.91	<=38.45	Pass
			74	22.61	3.32	23.78	<=38.45	Pass
		36	0	21.24	3.32	22.41	<=38.45	Pass
			18	21.27	3.32	22.44	<=38.45	Pass
			39	21.21	3.32	22.38	<=38.45	Pass
		75	0	21.21	3.32	22.38	<=38.45	Pass
	836.5	1	0	22.39	3.32	23.56	<=38.45	Pass
			38	22.33	3.32	23.50	<=38.45	Pass
			74	22.24	3.32	23.41	<=38.45	Pass
		36	0	21.20	3.32	22.37	<=38.45	Pass
			18	21.20	3.32	22.37	<=38.45	Pass
			39	21.15	3.32	22.32	<=38.45	Pass
		75	0	21.18	3.32	22.35	<=38.45	Pass
	841.5	1	0	22.59	3.32	23.76	<=38.45	Pass
			38	22.50	3.32	23.67	<=38.45	Pass
			74	22.33	3.32	23.50	<=38.45	Pass
		36	0	21.19	3.32	22.36	<=38.45	Pass
			18	21.20	3.32	22.37	<=38.45	Pass
			39	21.10	3.32	22.27	<=38.45	Pass
		75	0	21.13	3.32	22.30	<=38.45	Pass



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2. Frequency Stability

2.5 B26b_15MHz

2.5.1 Test Result

Band: 26b / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	831.5	75	0	20	3.135	2.733	0.0033	-2.5 to 2.5	Pass
					3.7	3.317	0.0040	-2.5 to 2.5	Pass
					4.4	1.304	0.0016	-2.5 to 2.5	Pass
				-30	3.7	5.709	0.0069	-2.5 to 2.5	Pass
				-20	3.7	4.083	0.0049	-2.5 to 2.5	Pass
				-10	3.7	-0.673	-0.0008	-2.5 to 2.5	Pass
				0	3.7	-1.822	-0.0022	-2.5 to 2.5	Pass
				10	3.7	2.773	0.0033	-2.5 to 2.5	Pass
				30	3.7	5.807	0.0070	-2.5 to 2.5	Pass
				40	3.7	2.298	0.0028	-2.5 to 2.5	Pass
				50	3.7	2.210	0.0027	-2.5 to 2.5	Pass
	836.5	75	0	20	3.135	-5.423	-0.0065	-2.5 to 2.5	Pass
					3.7	-4.787	-0.0057	-2.5 to 2.5	Pass
					4.4	-1.587	-0.0019	-2.5 to 2.5	Pass
				-30	3.7	-1.215	-0.0015	-2.5 to 2.5	Pass
				-20	3.7	-5.594	-0.0067	-2.5 to 2.5	Pass
				-10	3.7	0.494	0.0006	-2.5 to 2.5	Pass
				0	3.7	-4.022	-0.0048	-2.5 to 2.5	Pass
				10	3.7	-0.288	-0.0003	-2.5 to 2.5	Pass
				30	3.7	-4.875	-0.0058	-2.5 to 2.5	Pass
				40	3.7	-1.735	-0.0021	-2.5 to 2.5	Pass
				50	3.7	0.824	0.0010	-2.5 to 2.5	Pass
	841.5	75	0	20	3.135	1.167	0.0014	-2.5 to 2.5	Pass
					3.7	3.146	0.0037	-2.5 to 2.5	Pass
					4.4	-3.581	-0.0043	-2.5 to 2.5	Pass
				-30	3.7	1.624	0.0019	-2.5 to 2.5	Pass
				-20	3.7	-4.302	-0.0051	-2.5 to 2.5	Pass
				-10	3.7	-4.196	-0.0050	-2.5 to 2.5	Pass
				0	3.7	-3.475	-0.0041	-2.5 to 2.5	Pass
				10	3.7	-4.877	-0.0058	-2.5 to 2.5	Pass
				30	3.7	-3.683	-0.0044	-2.5 to 2.5	Pass
				40	3.7	-2.294	-0.0027	-2.5 to 2.5	Pass
				50	3.7	3.420	0.0041	-2.5 to 2.5	Pass
16QAM	831.5	75	0	20	3.135	2.911	0.0035	-2.5 to 2.5	Pass
					3.7	-1.694	-0.0020	-2.5 to 2.5	Pass
					4.4	3.036	0.0037	-2.5 to 2.5	Pass
				-30	3.7	-1.692	-0.0020	-2.5 to 2.5	Pass
				-20	3.7	-0.635	-0.0008	-2.5 to 2.5	Pass
				-10	3.7	5.963	0.0072	-2.5 to 2.5	Pass
				0	3.7	3.991	0.0048	-2.5 to 2.5	Pass



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				10	3.7	1.945	0.0023	-2.5 to 2.5	Pass
				30	3.7	0.298	0.0004	-2.5 to 2.5	Pass
				40	3.7	4.372	0.0053	-2.5 to 2.5	Pass
				50	3.7	3.061	0.0037	-2.5 to 2.5	Pass
	836.5	75	0	20	3.135	-6.723	-0.0080	-2.5 to 2.5	Pass
					3.7	-2.964	-0.0035	-2.5 to 2.5	Pass
					4.4	-7.029	-0.0084	-2.5 to 2.5	Pass
				-30	3.7	-4.299	-0.0051	-2.5 to 2.5	Pass
				-20	3.7	0.151	0.0002	-2.5 to 2.5	Pass
				-10	3.7	-2.123	-0.0025	-2.5 to 2.5	Pass
				0	3.7	-7.103	-0.0085	-2.5 to 2.5	Pass
				10	3.7	-0.146	-0.0002	-2.5 to 2.5	Pass
				30	3.7	-4.792	-0.0057	-2.5 to 2.5	Pass
				40	3.7	-7.675	-0.0092	-2.5 to 2.5	Pass
				50	3.7	-4.027	-0.0048	-2.5 to 2.5	Pass
	841.5	75	0	20	3.135	0.364	0.0004	-2.5 to 2.5	Pass
					3.7	-0.088	-0.0001	-2.5 to 2.5	Pass
					4.4	3.236	0.0038	-2.5 to 2.5	Pass
				-30	3.7	-1.486	-0.0018	-2.5 to 2.5	Pass
				-20	3.7	1.429	0.0017	-2.5 to 2.5	Pass
				-10	3.7	1.126	0.0013	-2.5 to 2.5	Pass
				0	3.7	-4.432	-0.0053	-2.5 to 2.5	Pass
				10	3.7	1.714	0.0020	-2.5 to 2.5	Pass
				30	3.7	4.691	0.0056	-2.5 to 2.5	Pass
				40	3.7	-2.562	-0.0030	-2.5 to 2.5	Pass
				50	3.7	-1.083	-0.0013	-2.5 to 2.5	Pass



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3. 99% & 26dB Bandwidth

3.1 Band26b_OBW

3.1.1 Test Result

Band: 26b / NTNv							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.109	/	Pass
		836.5	6	0	1.103	/	Pass
		848.3	6	0	1.104	/	Pass
	16QAM	824.7	6	0	1.102	/	Pass
		836.5	6	0	1.101	/	Pass
		848.3	6	0	1.111	/	Pass
3	QPSK	825.5	15	0	2.753	/	Pass
		836.5	15	0	2.755	/	Pass
		847.5	15	0	2.734	/	Pass
	16QAM	825.5	15	0	2.740	/	Pass
		836.5	15	0	2.743	/	Pass
		847.5	15	0	2.736	/	Pass
5	QPSK	826.5	25	0	4.560	/	Pass
		836.5	25	0	4.557	/	Pass
		846.5	25	0	4.560	/	Pass
	16QAM	826.5	25	0	4.560	/	Pass
		836.5	25	0	4.558	/	Pass
		846.5	25	0	4.558	/	Pass
10	QPSK	829	50	0	9.059	/	Pass
		836.5	50	0	9.038	/	Pass
		844	50	0	9.088	/	Pass
	16QAM	829	50	0	9.075	/	Pass
		836.5	50	0	9.038	/	Pass
		844	50	0	9.076	/	Pass
15	QPSK	831.5	75	0	13.601	/	Pass
		836.5	75	0	13.511	/	Pass
		841.5	75	0	13.575	/	Pass
	16QAM	831.5	75	0	13.569	/	Pass
		836.5	75	0	13.513	/	Pass
		841.5	75	0	13.596	/	Pass



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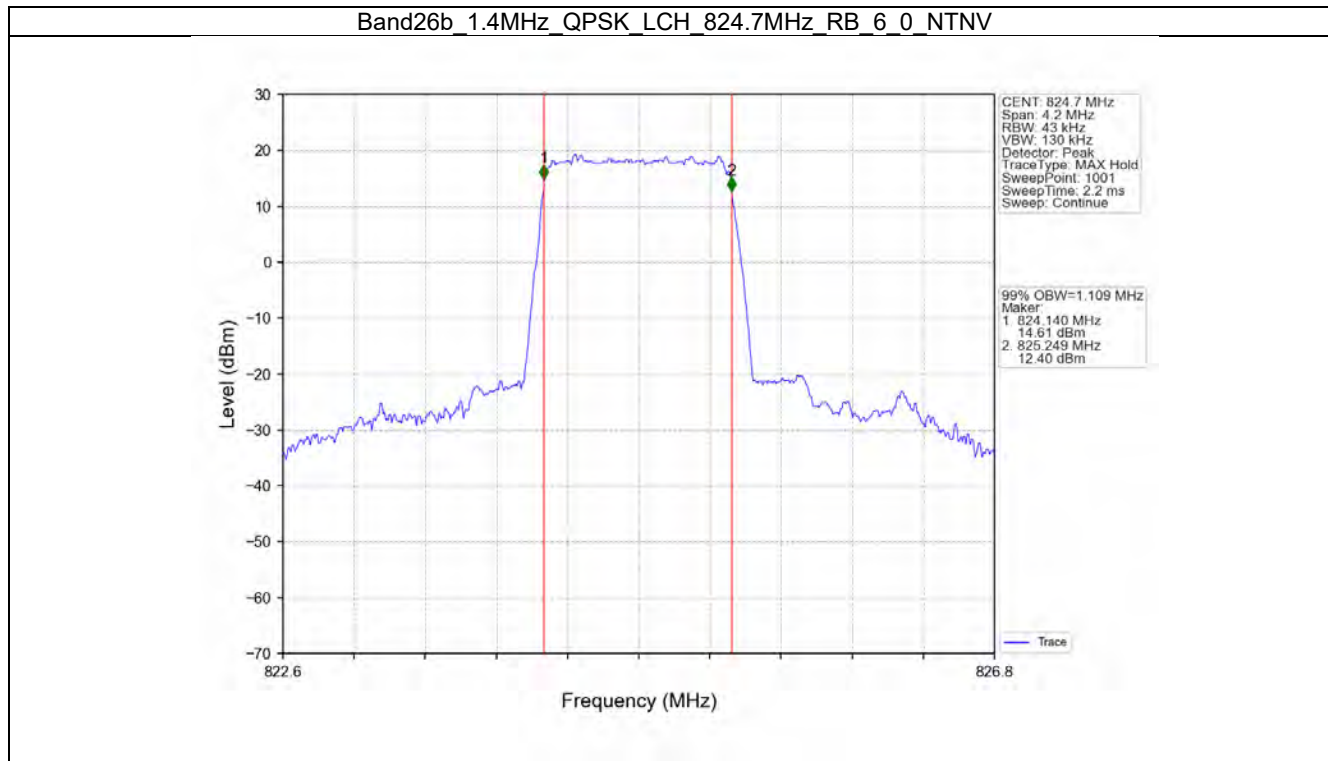
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3.1.2 Test Graph



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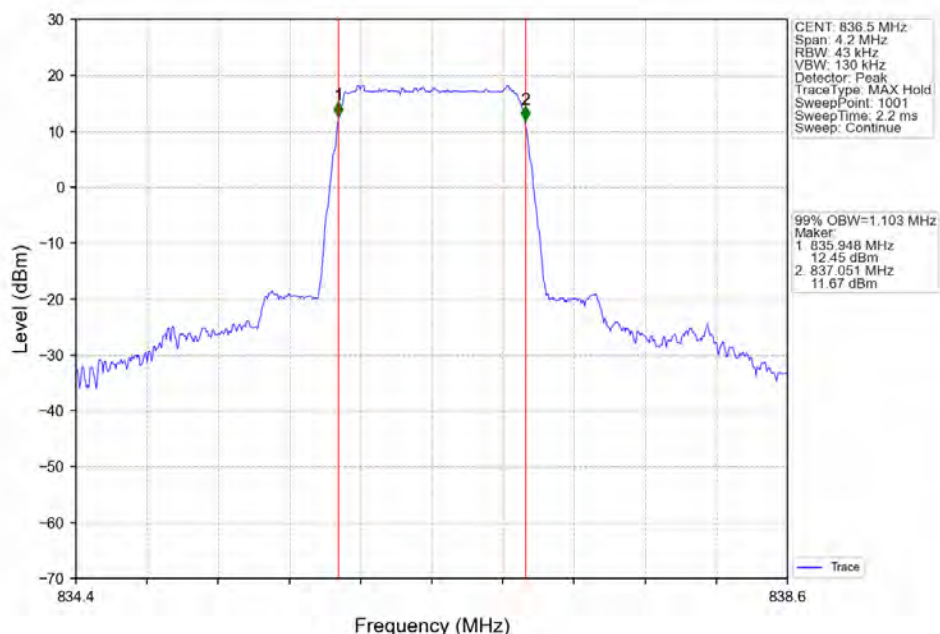
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Band26b_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



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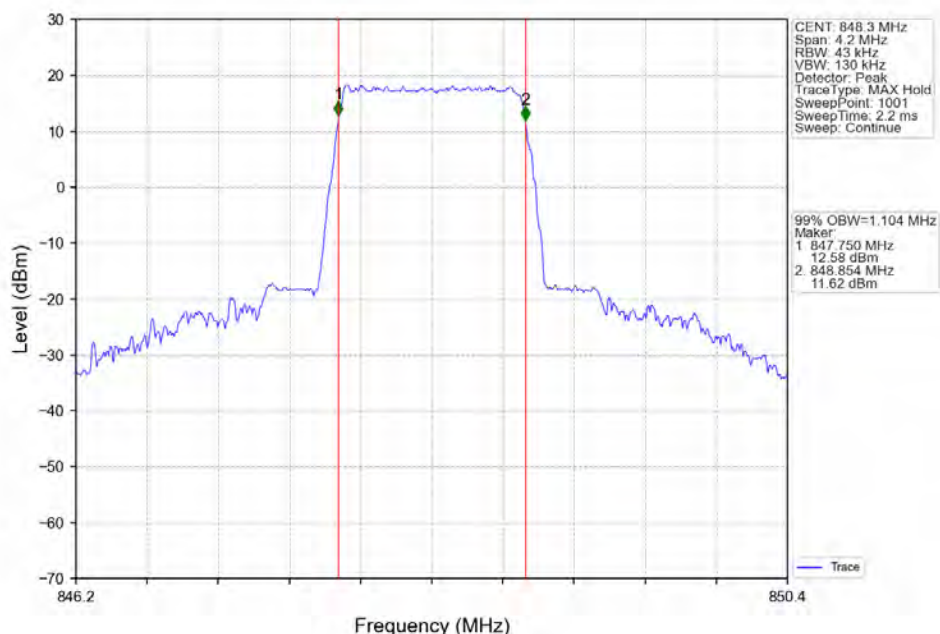
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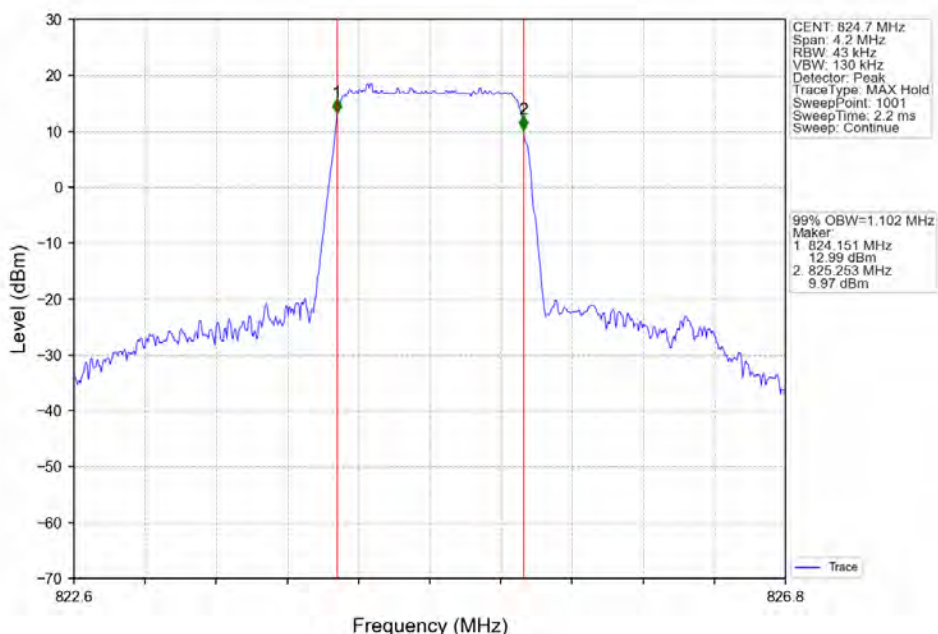
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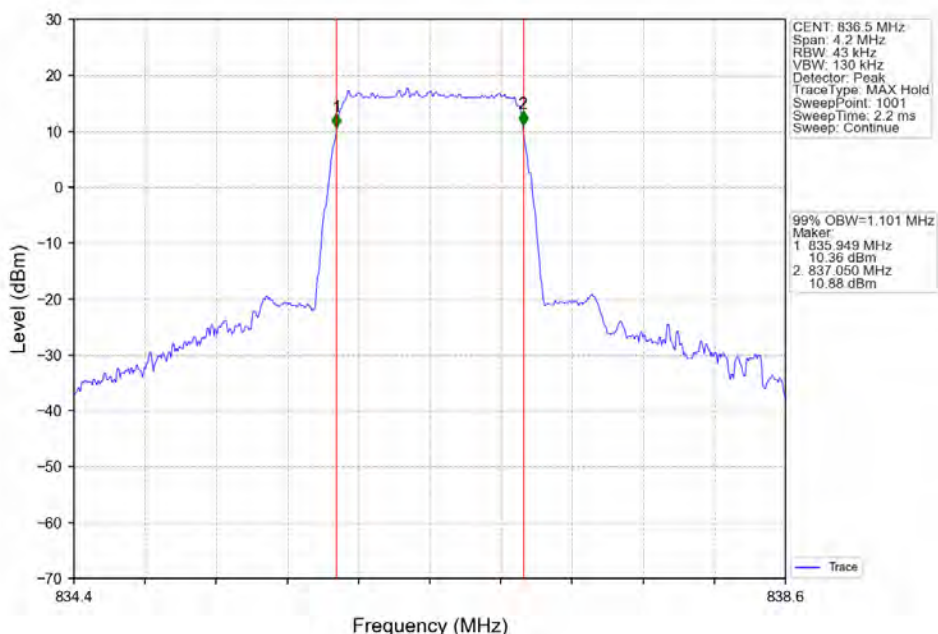
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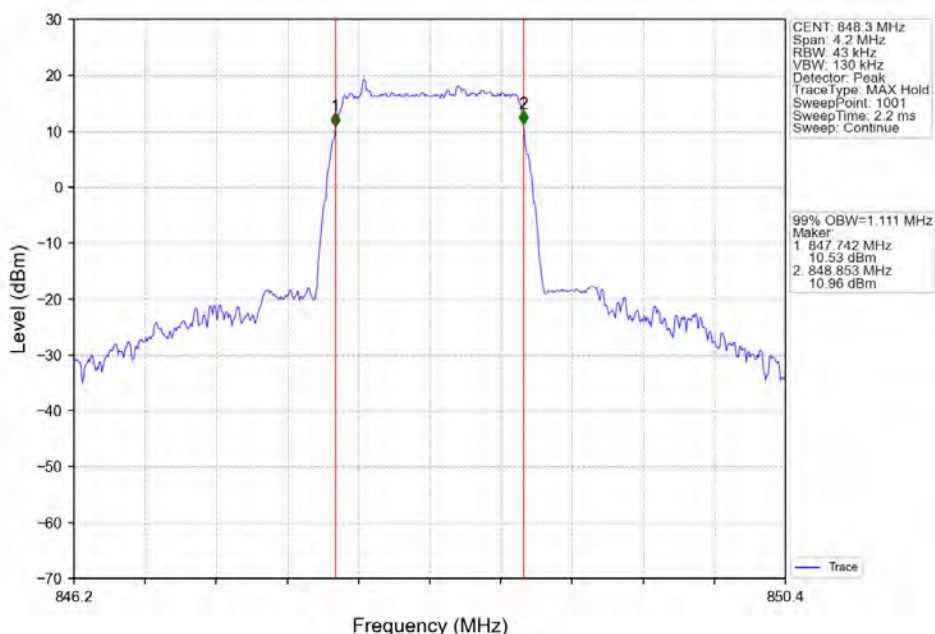
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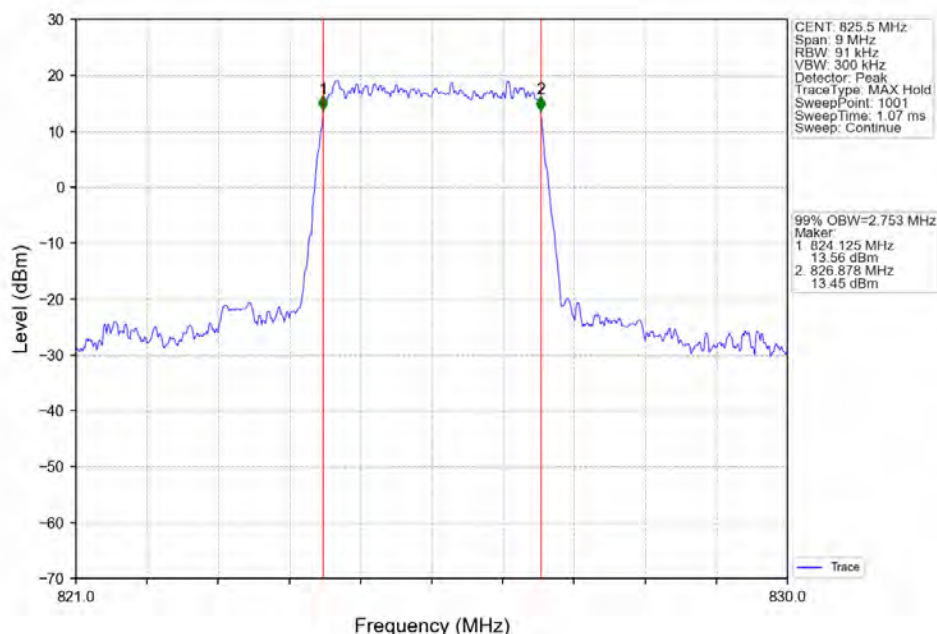
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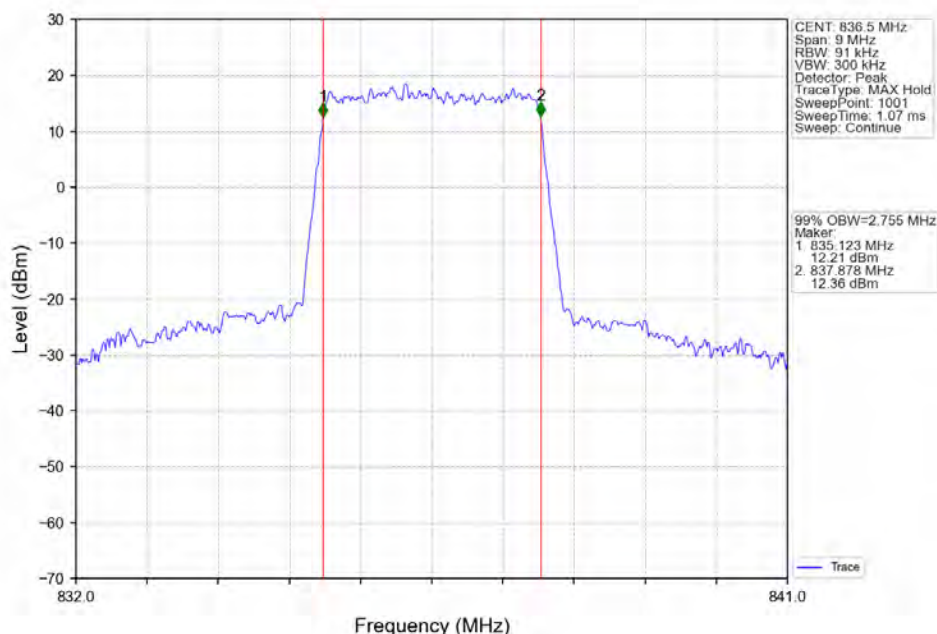
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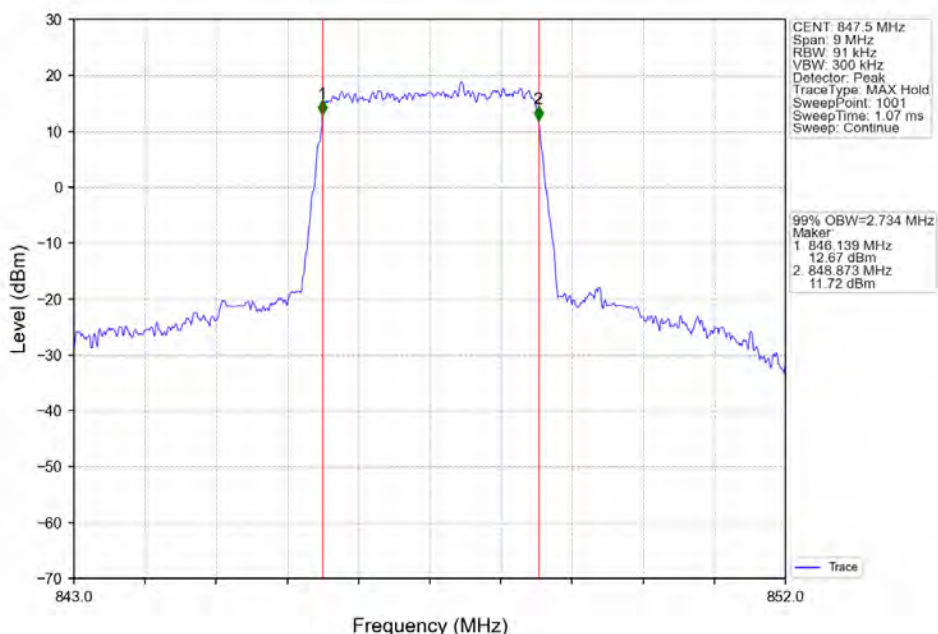
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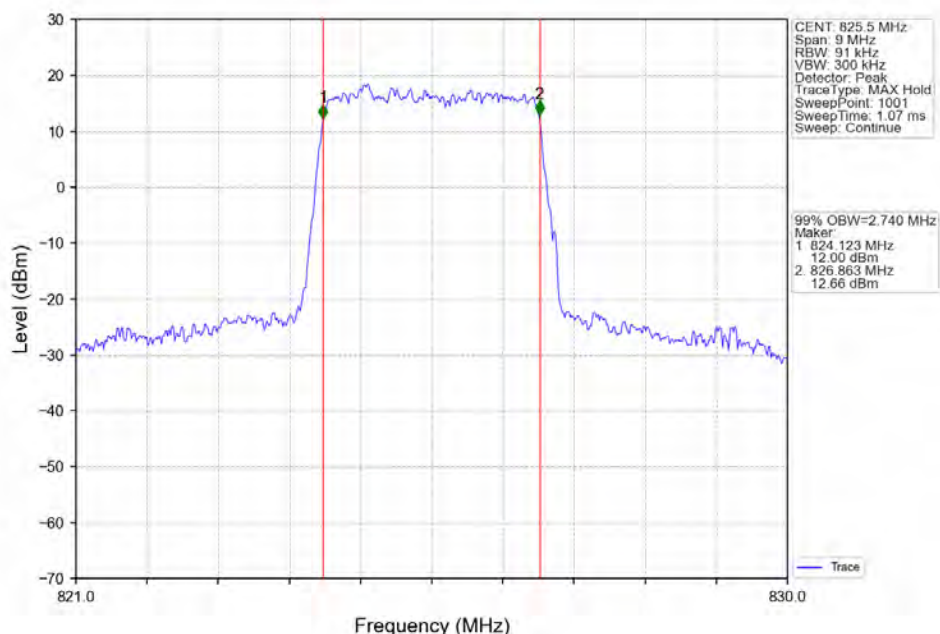
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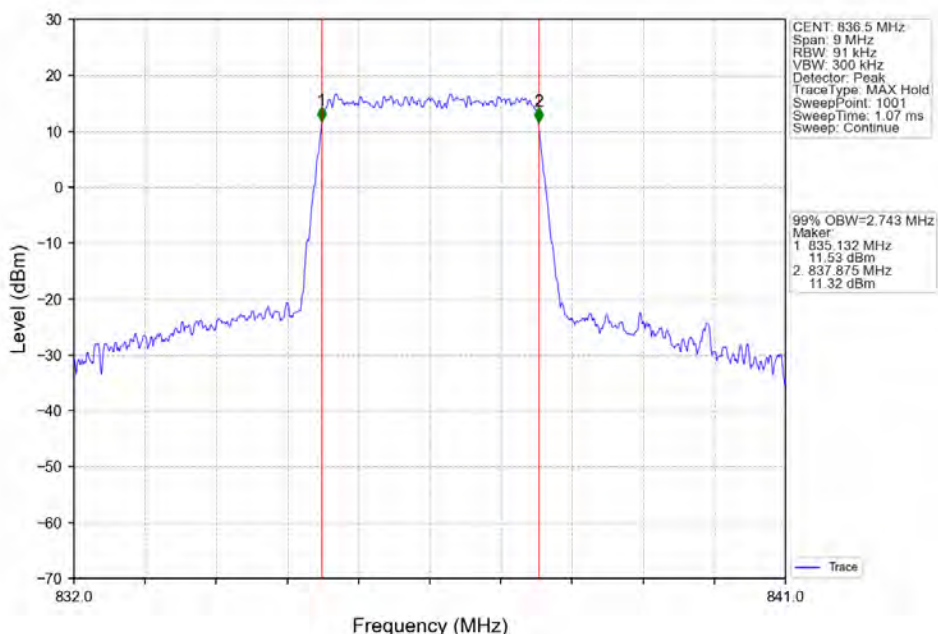
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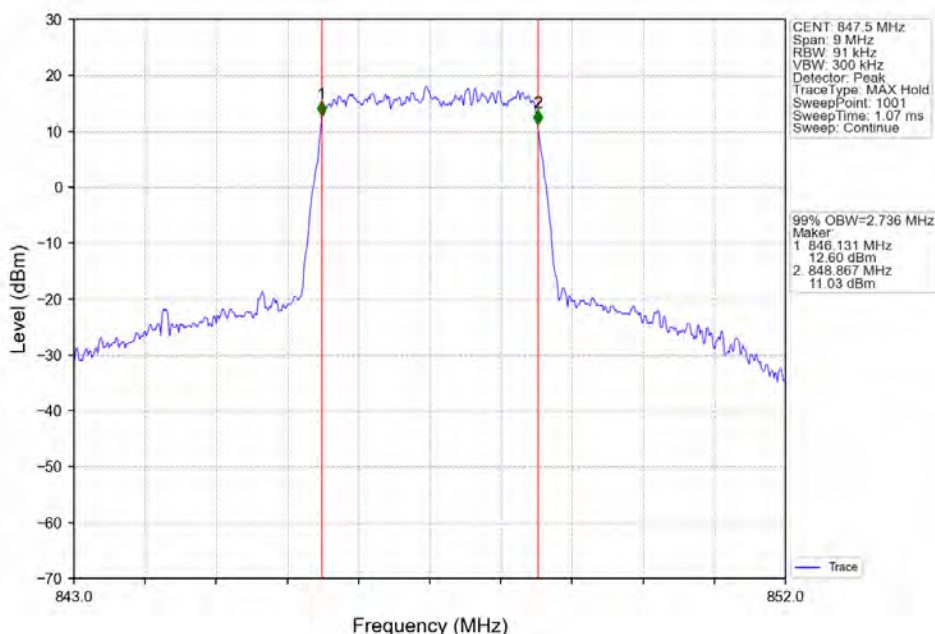
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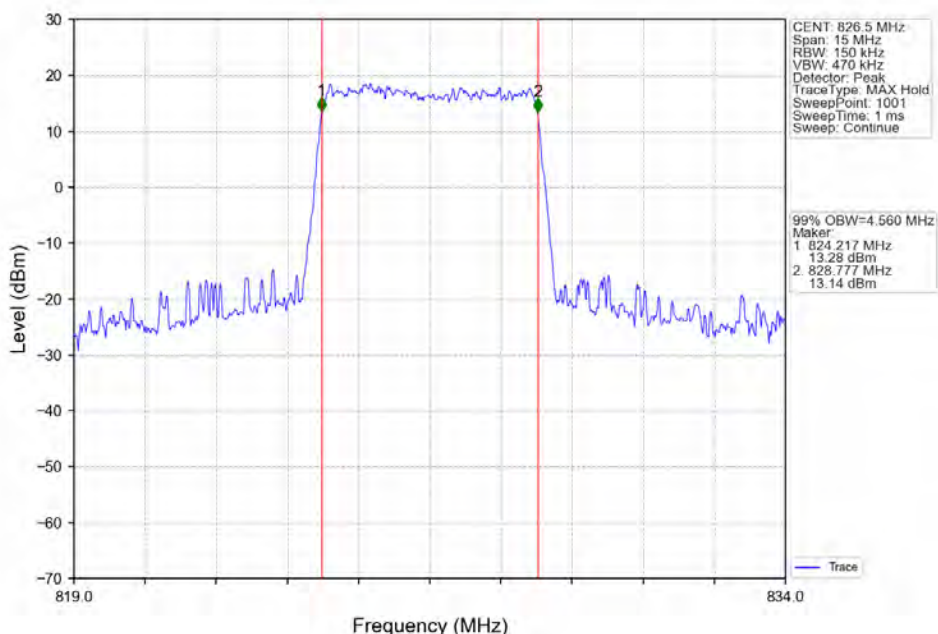
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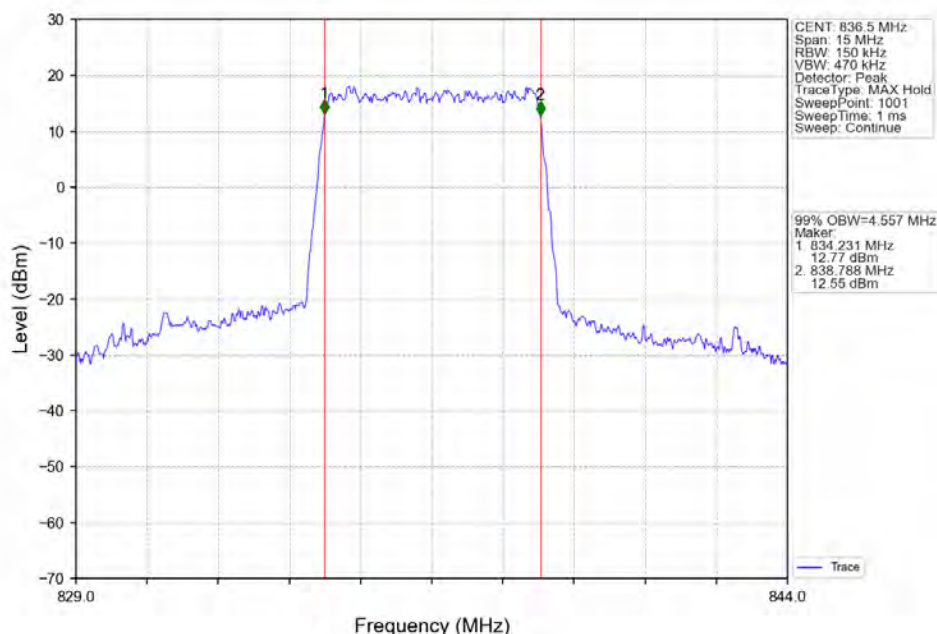
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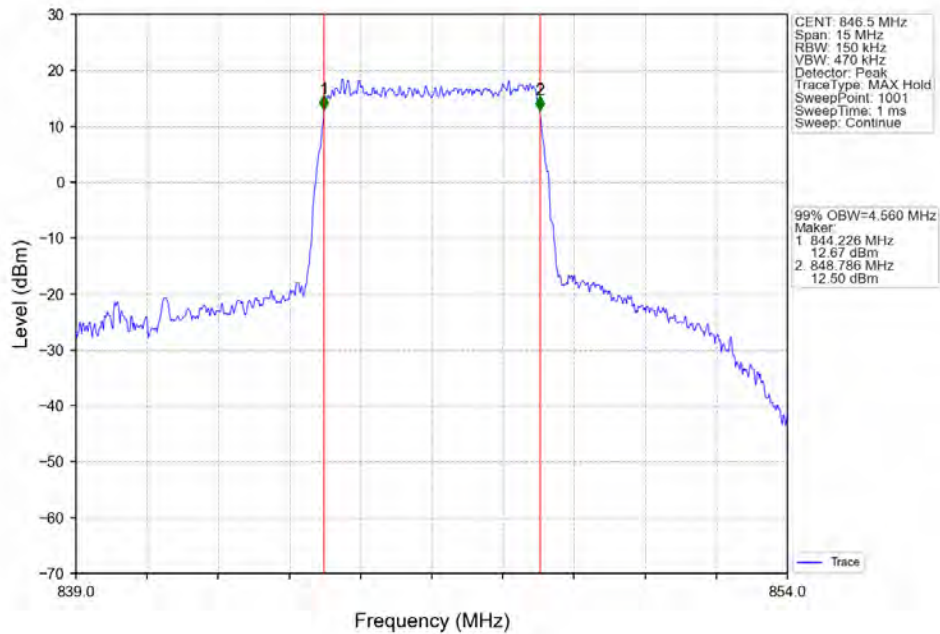
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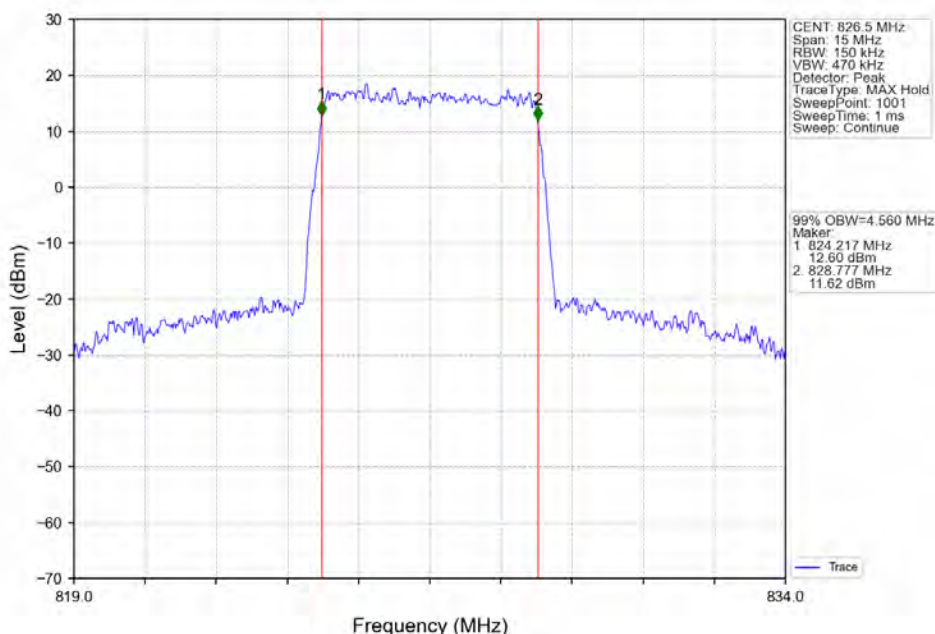
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Band26b_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



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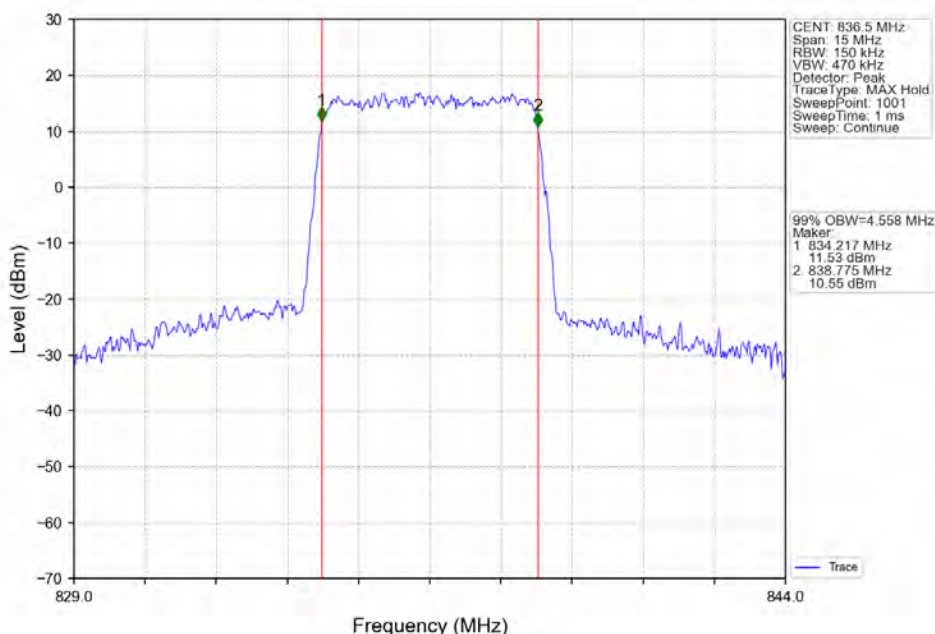
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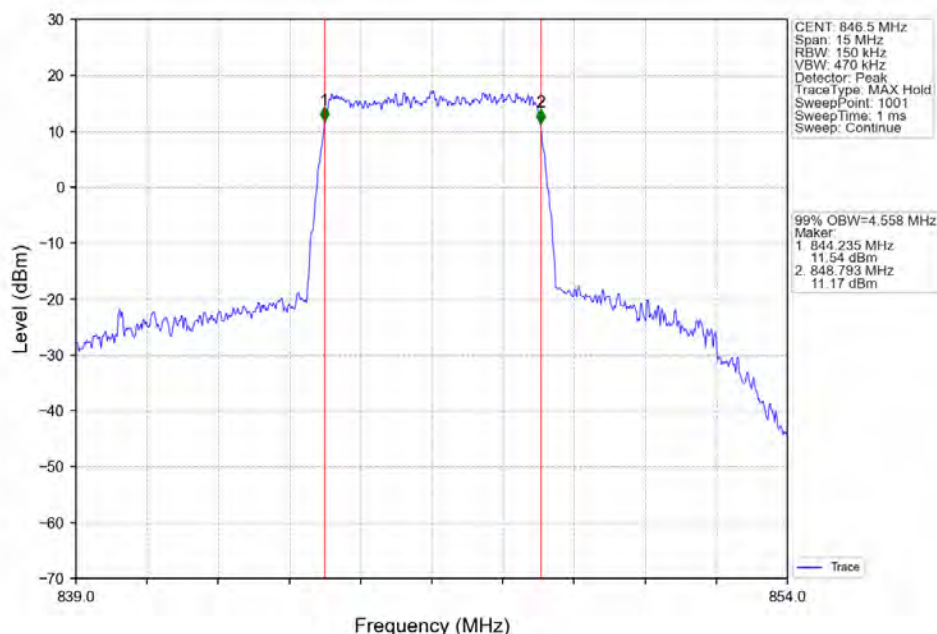
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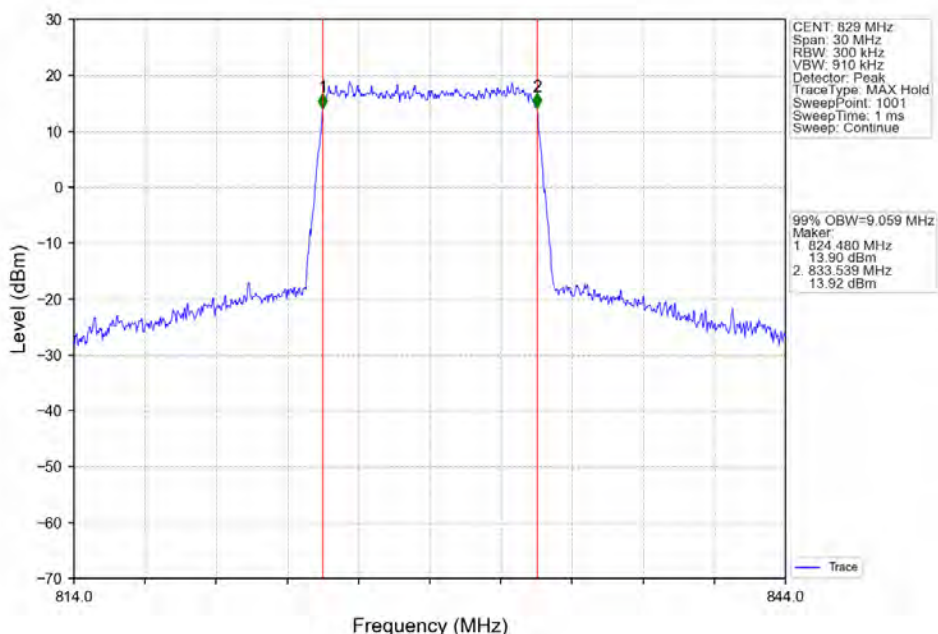
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Band26b_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



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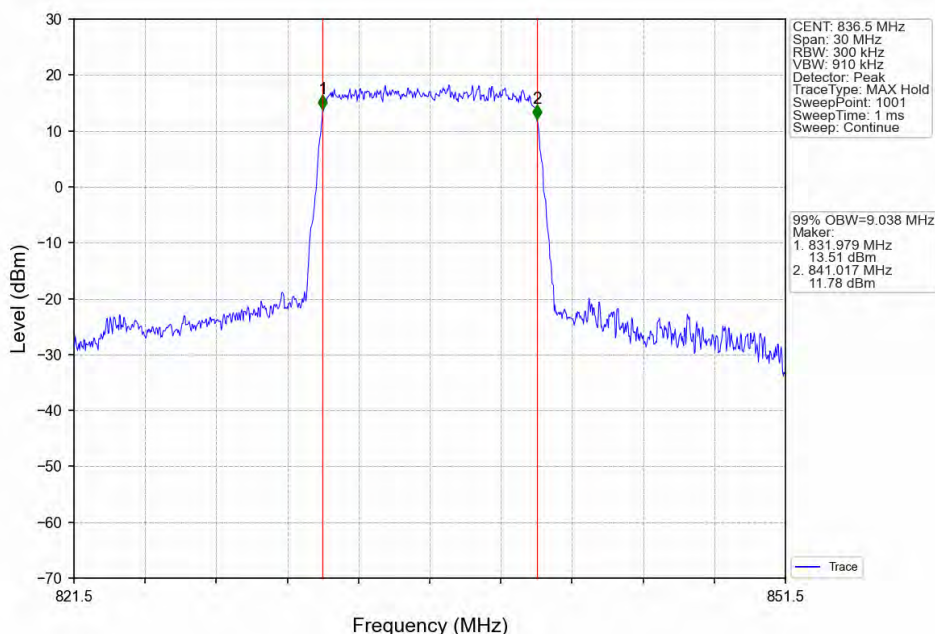
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Band26b_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



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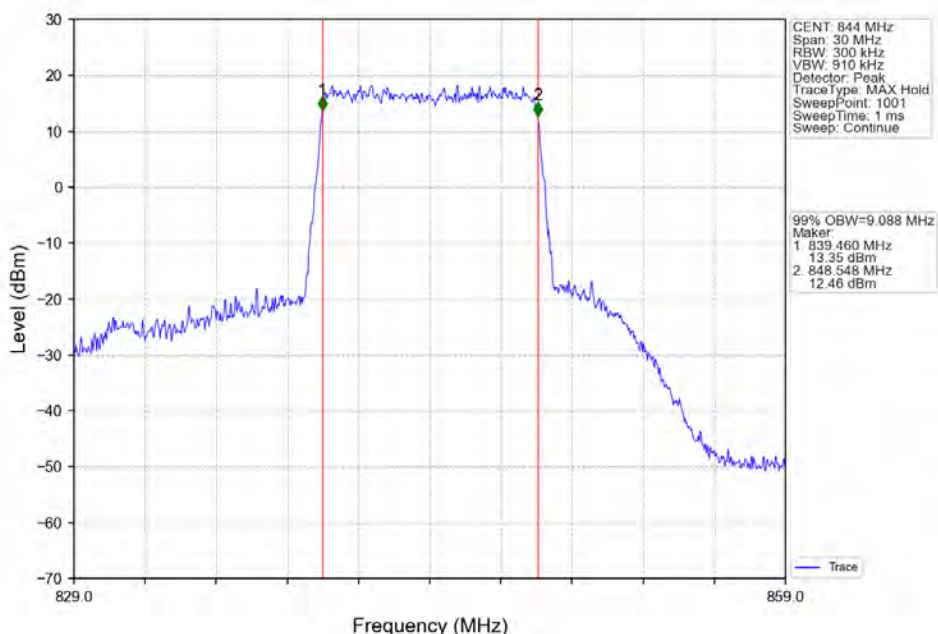
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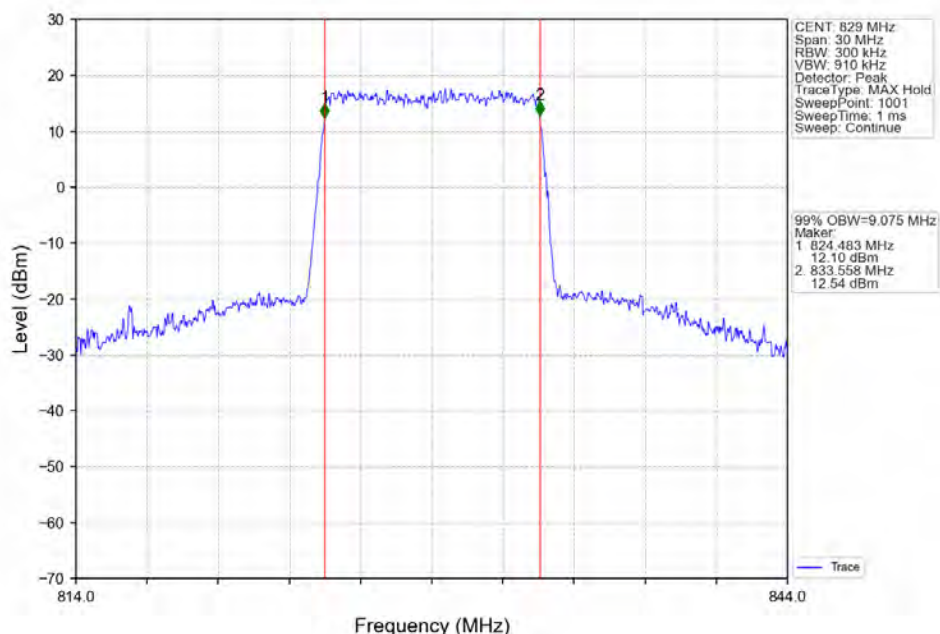
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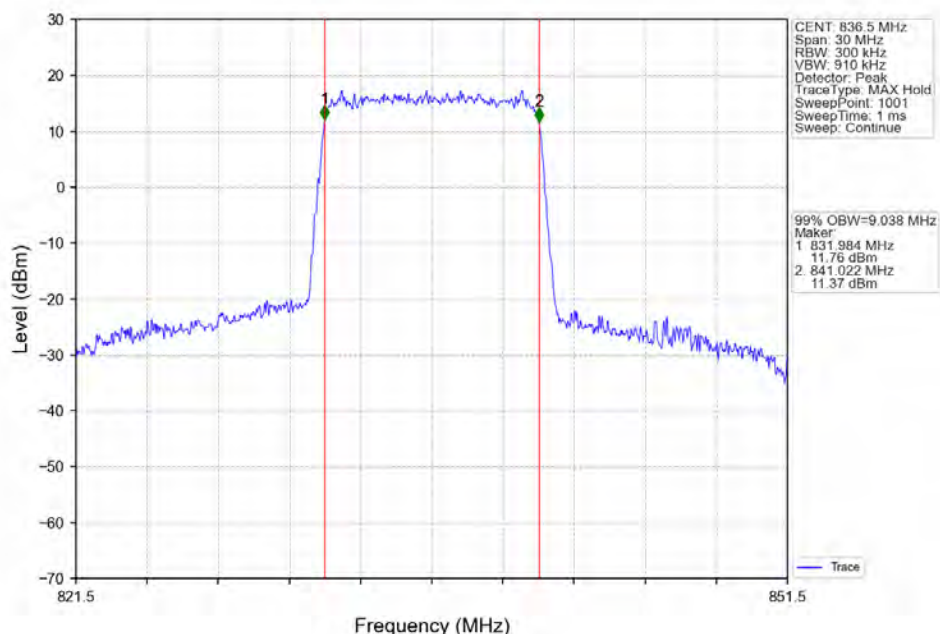
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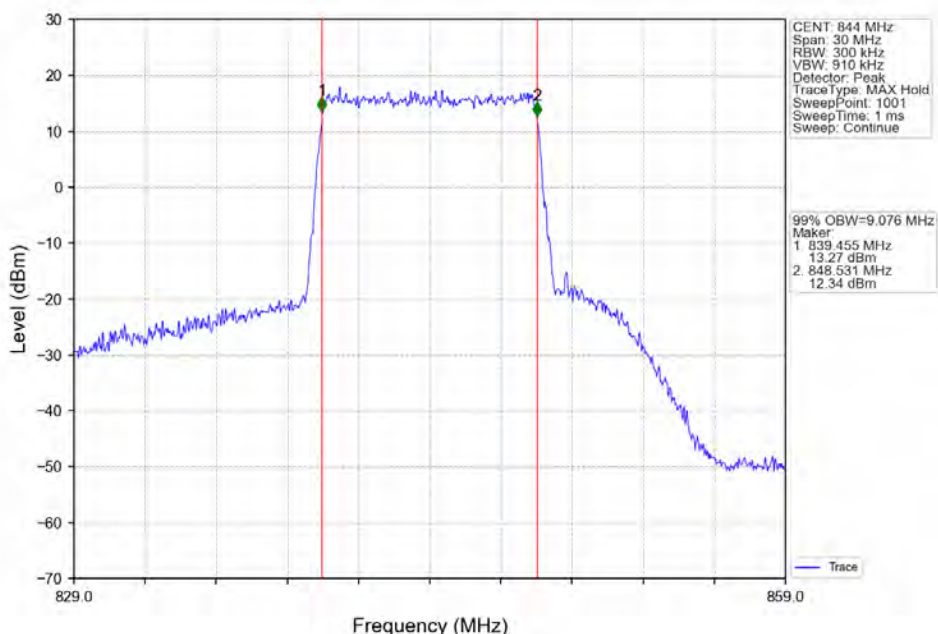
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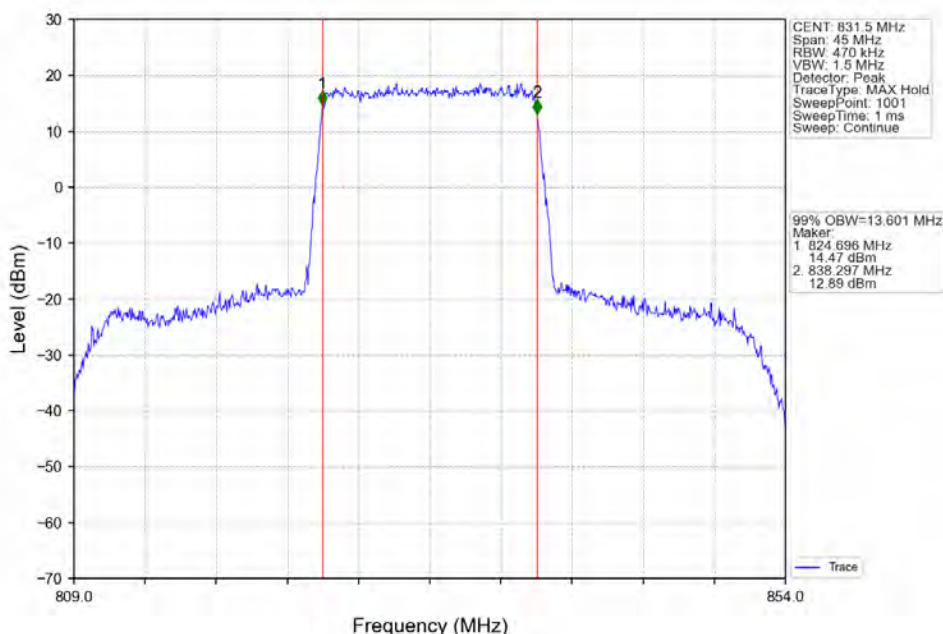
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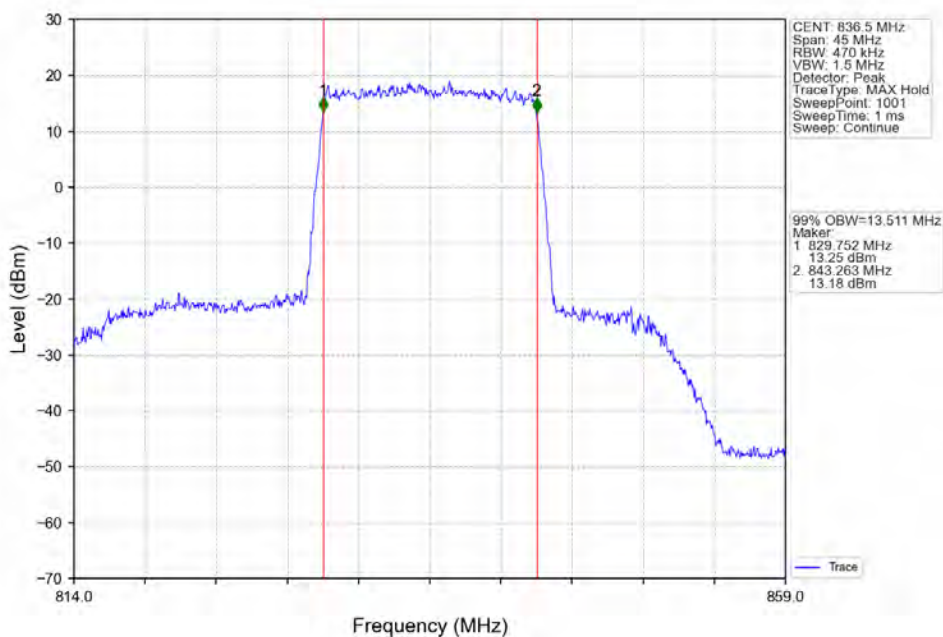
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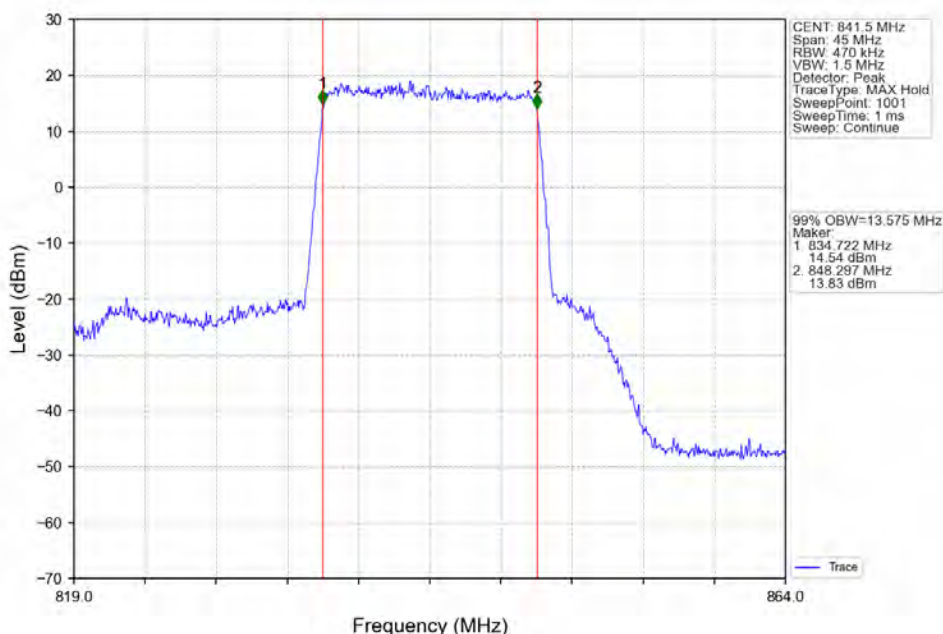
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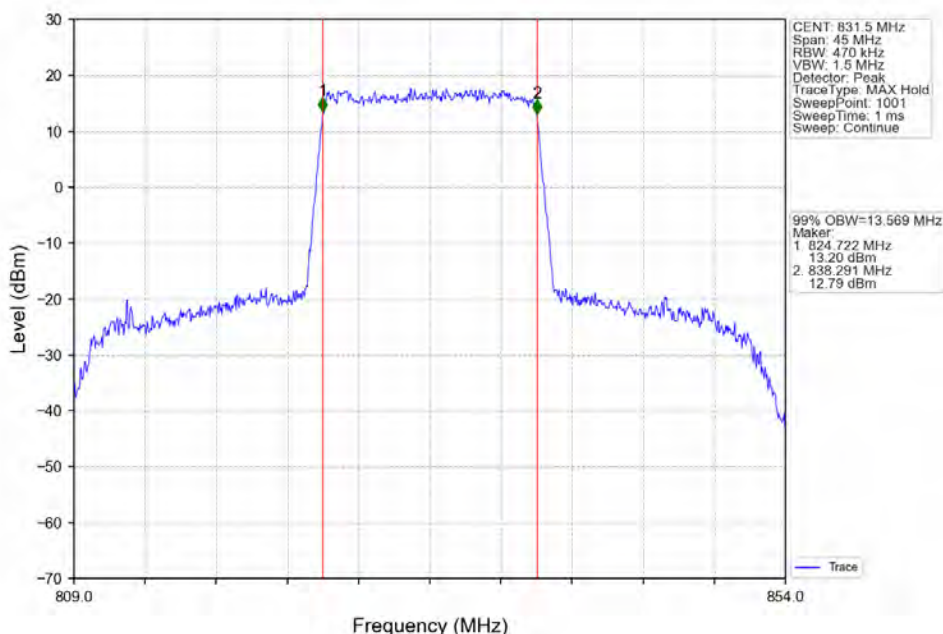
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Band26b_15MHz_16QAM_LCH_831.5MHz_RB_75_0_NTNV



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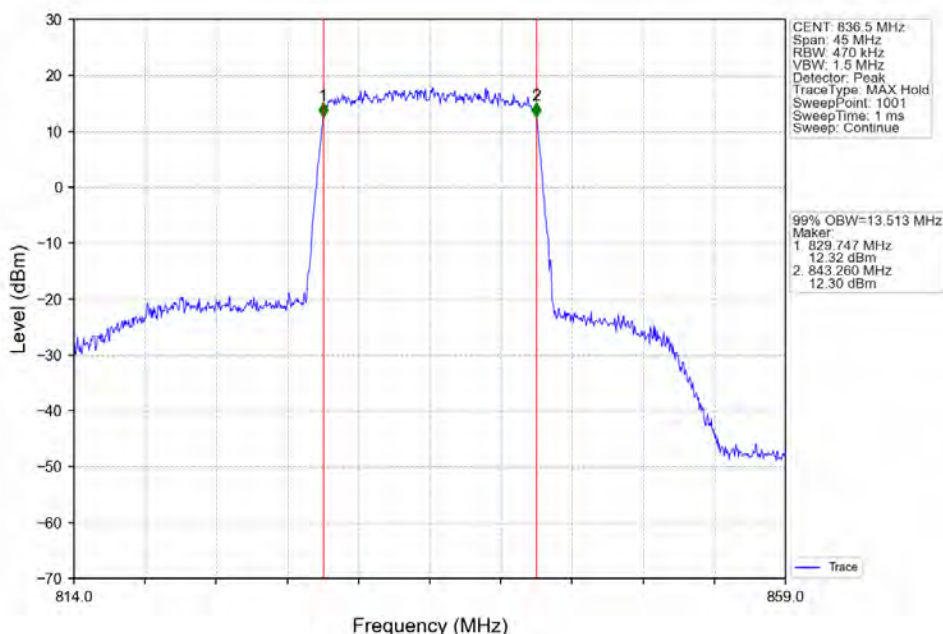
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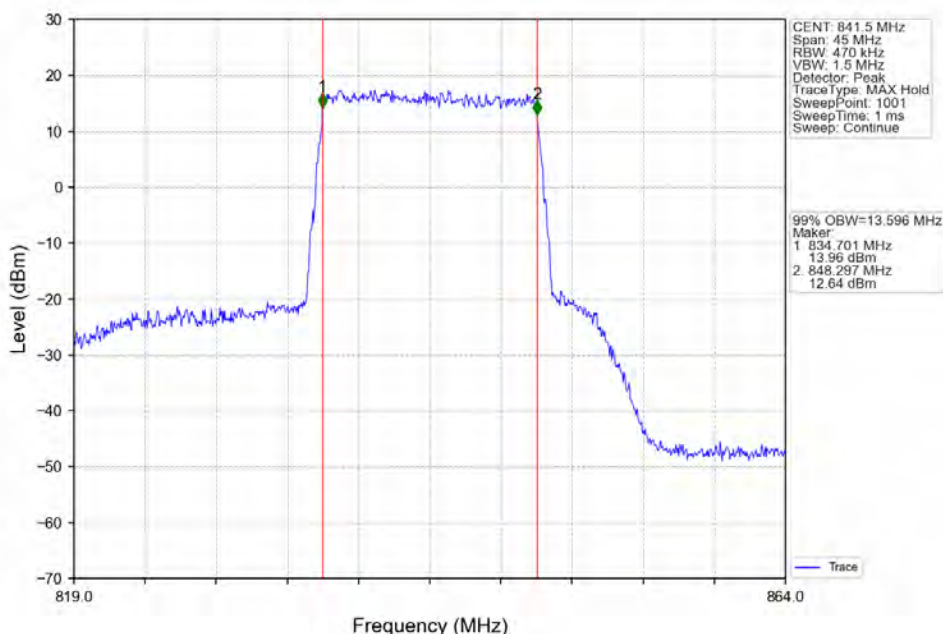
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Band26b_15MHz_16QAM_HCH_841.5MHz_RB_75_0_NTNV



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3.2 Band26b_XDB

3.2.1 Test Result

Band: 26b / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.259	/	Pass
		836.5	6	0	1.266	/	Pass
		848.3	6	0	1.273	/	Pass
	16QAM	824.7	6	0	1.255	/	Pass
		836.5	6	0	1.268	/	Pass
		848.3	6	0	1.271	/	Pass
3	QPSK	825.5	15	0	3.055	/	Pass
		836.5	15	0	3.080	/	Pass
		847.5	15	0	3.061	/	Pass
	16QAM	825.5	15	0	3.048	/	Pass
		836.5	15	0	3.063	/	Pass
		847.5	15	0	3.071	/	Pass
5	QPSK	826.5	25	0	5.038	/	Pass
		836.5	25	0	5.053	/	Pass
		846.5	25	0	5.078	/	Pass
	16QAM	826.5	25	0	5.057	/	Pass
		836.5	25	0	5.062	/	Pass
		846.5	25	0	5.097	/	Pass
10	QPSK	829	50	0	10.004	/	Pass
		836.5	50	0	10.004	/	Pass
		844	50	0	10.046	/	Pass
	16QAM	829	50	0	9.974	/	Pass
		836.5	50	0	9.917	/	Pass
		844	50	0	9.878	/	Pass
15	QPSK	831.5	75	0	15.018	/	Pass
		836.5	75	0	14.812	/	Pass
		841.5	75	0	14.917	/	Pass
	16QAM	831.5	75	0	14.996	/	Pass
		836.5	75	0	14.873	/	Pass
		841.5	75	0	15.042	/	Pass



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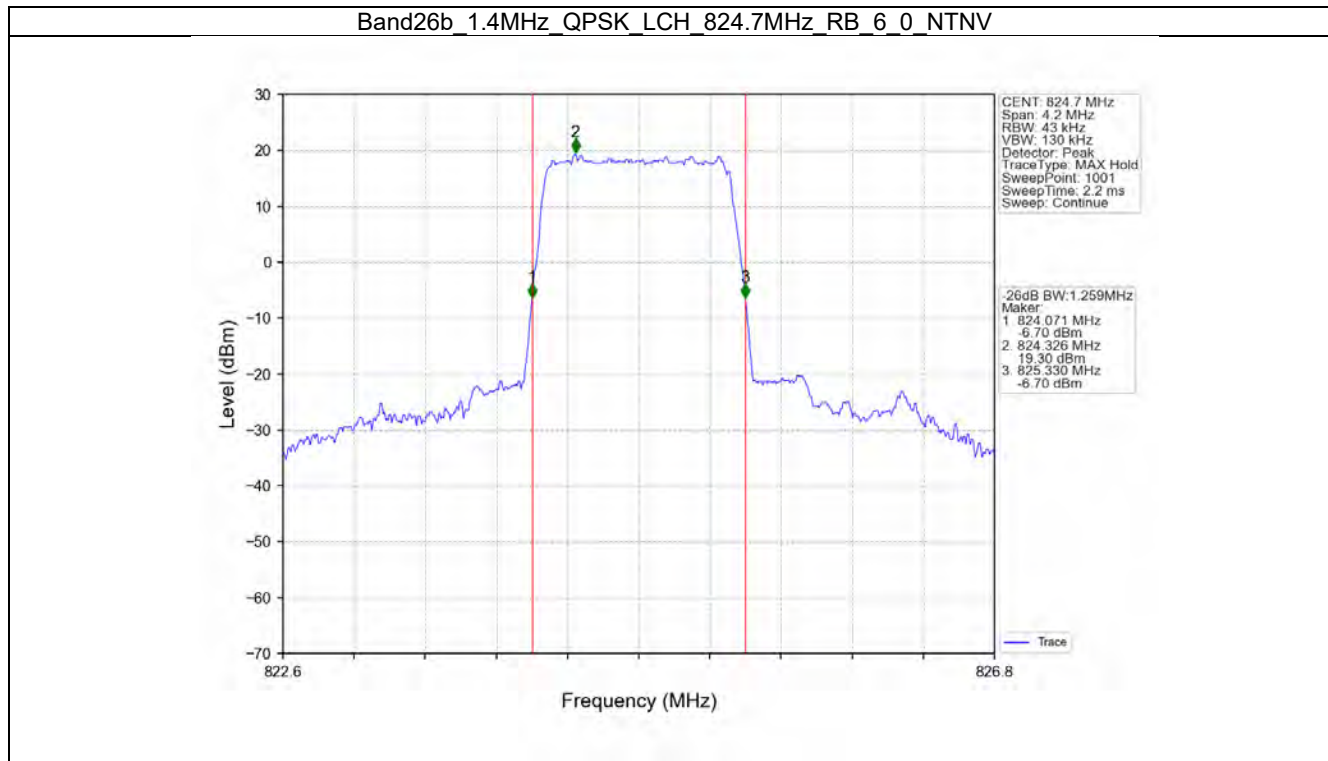
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3.2.2 Test Graph



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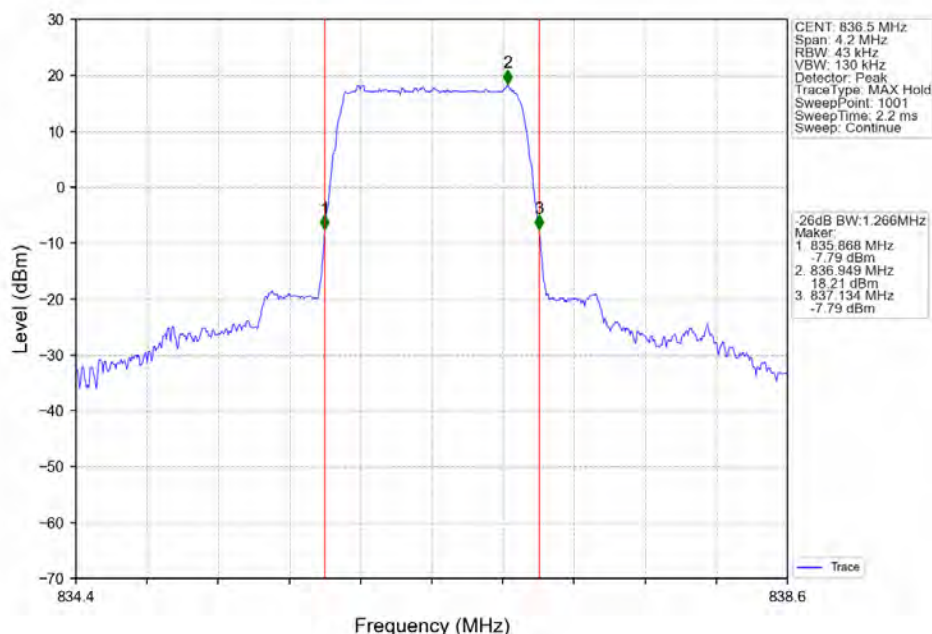
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Band26b_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



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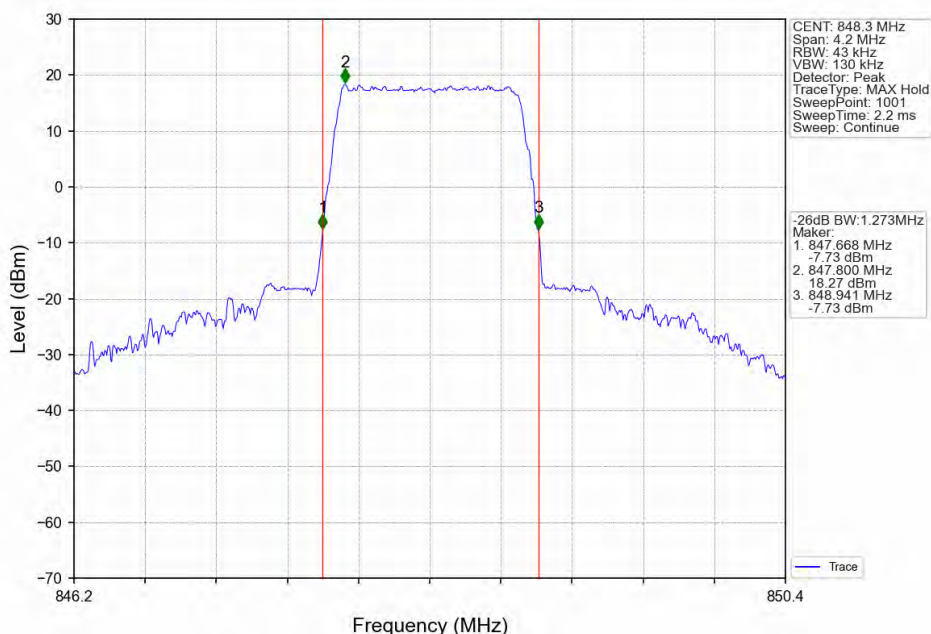
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Band26b 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



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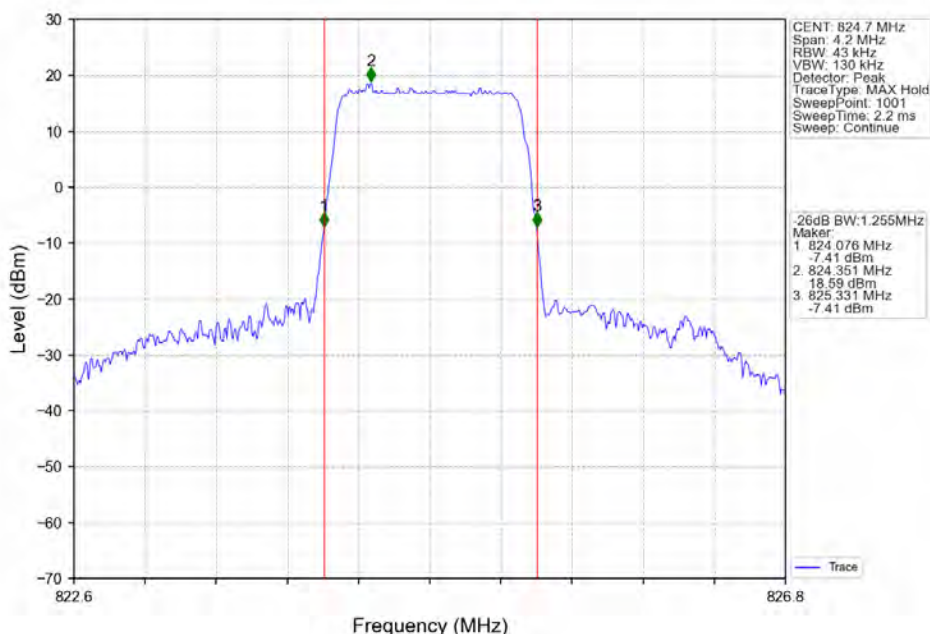
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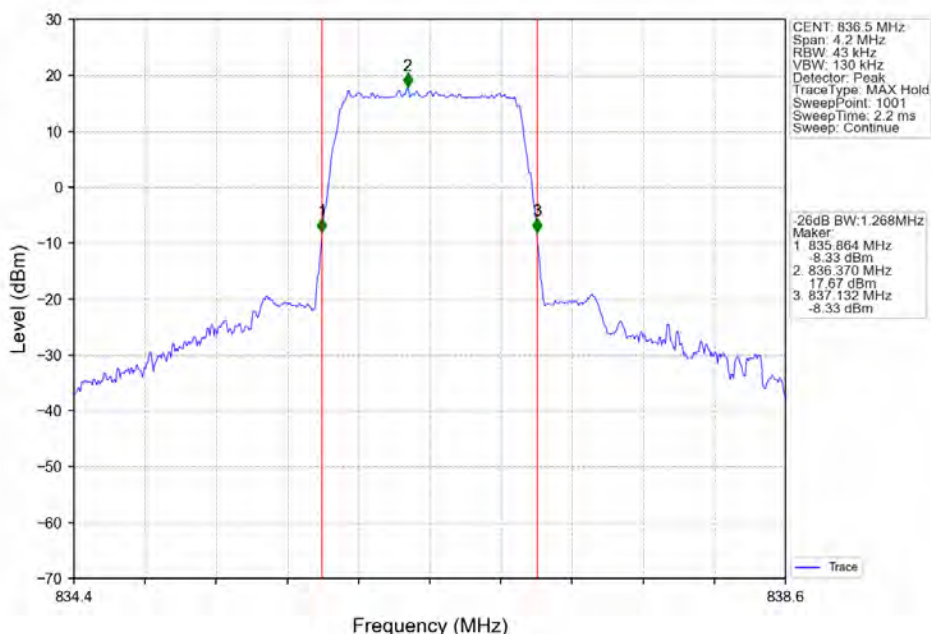
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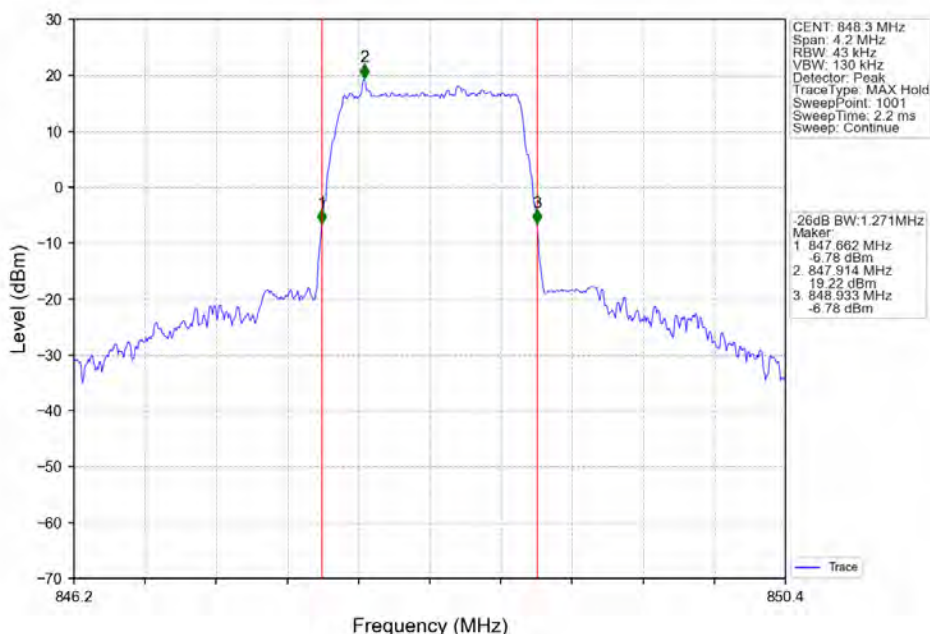
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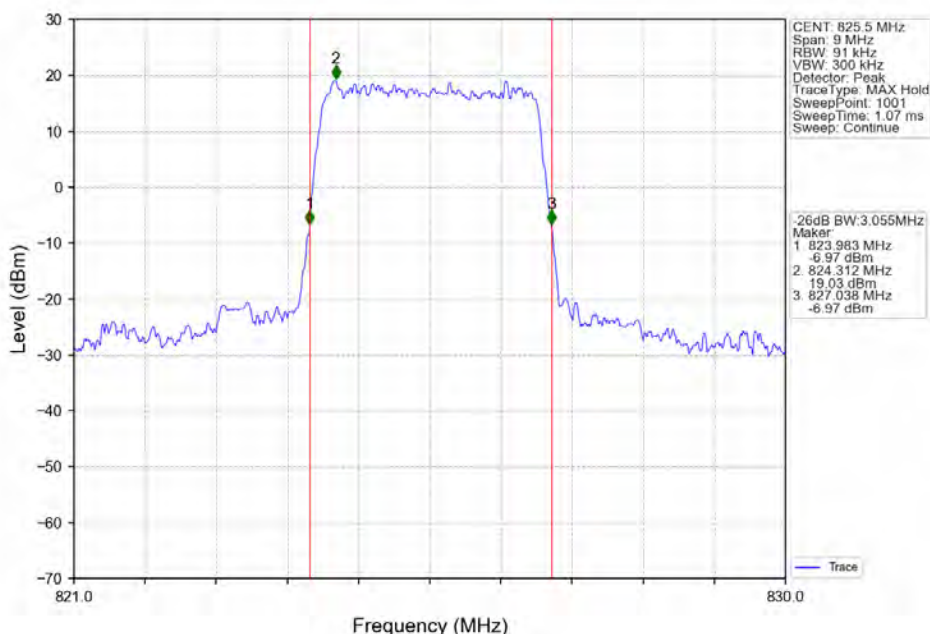
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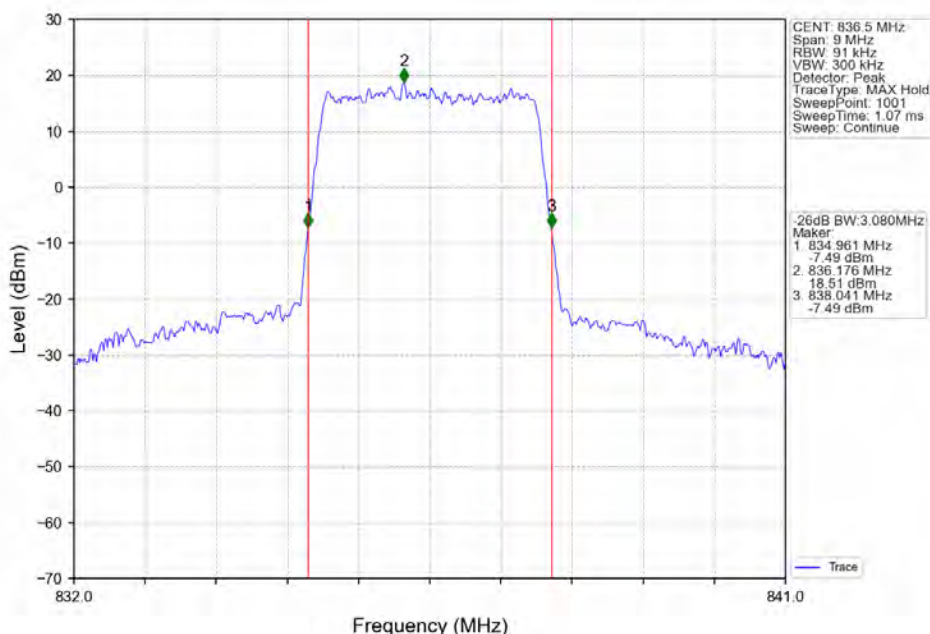
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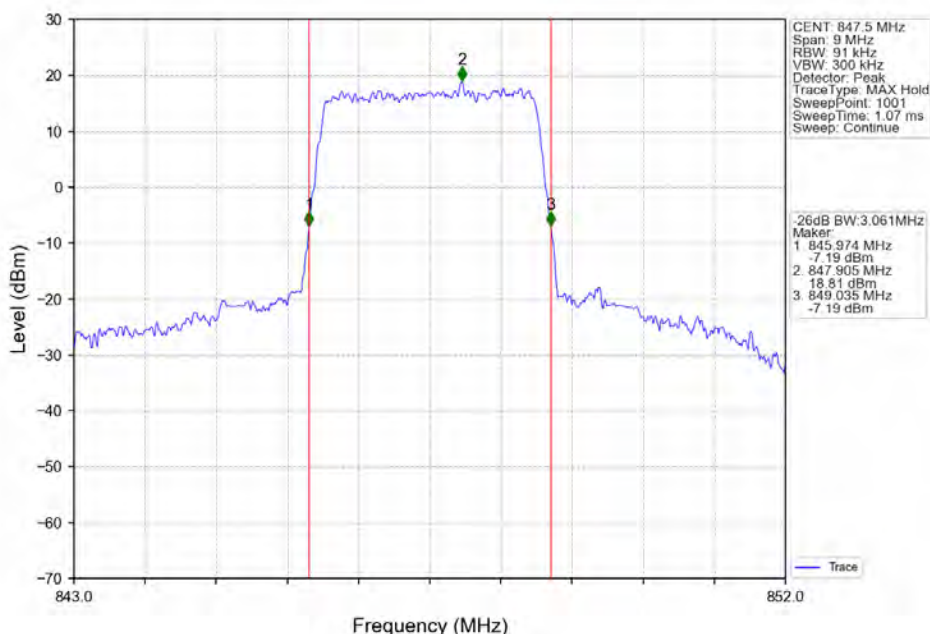
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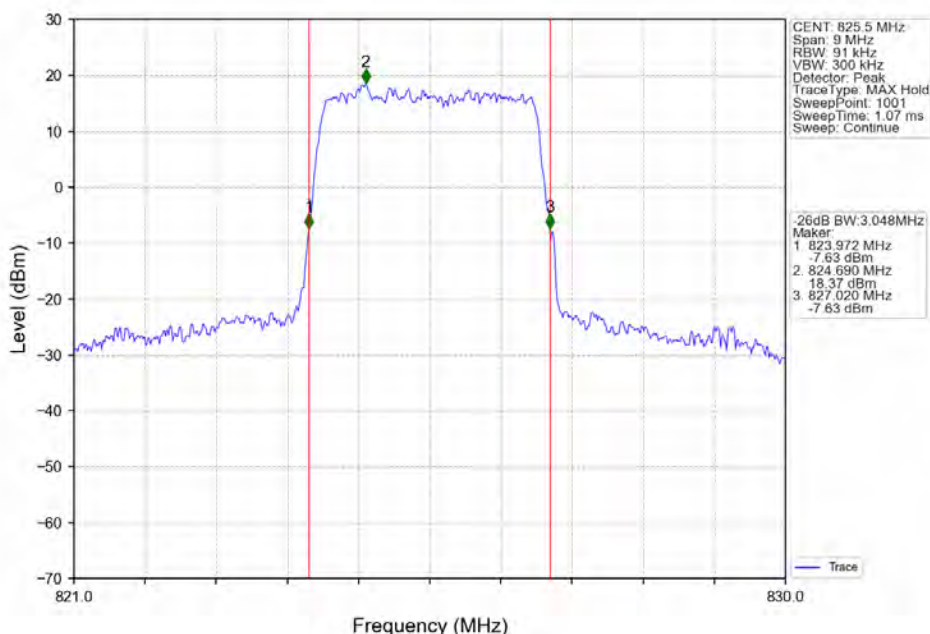
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Band26b_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



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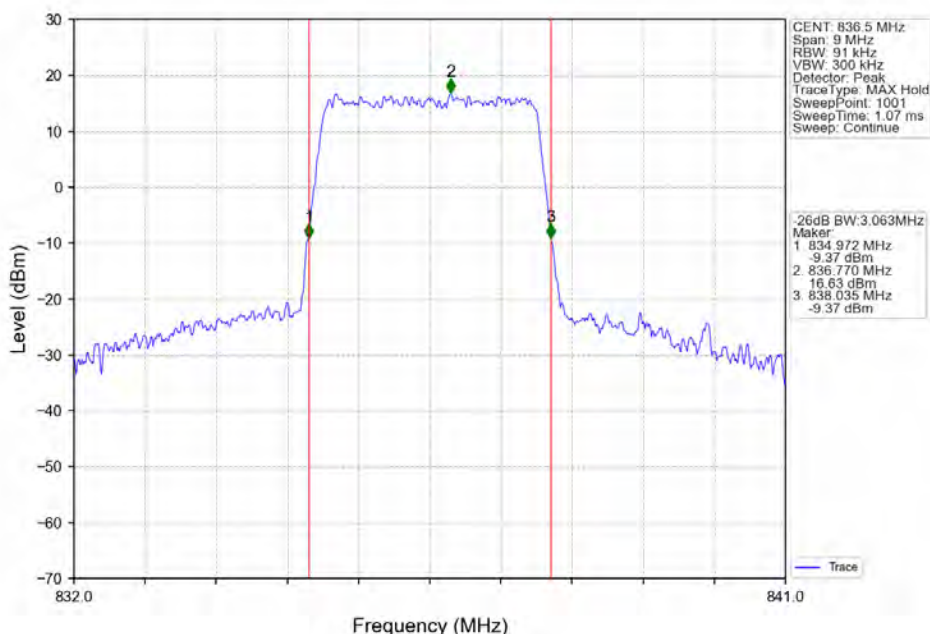
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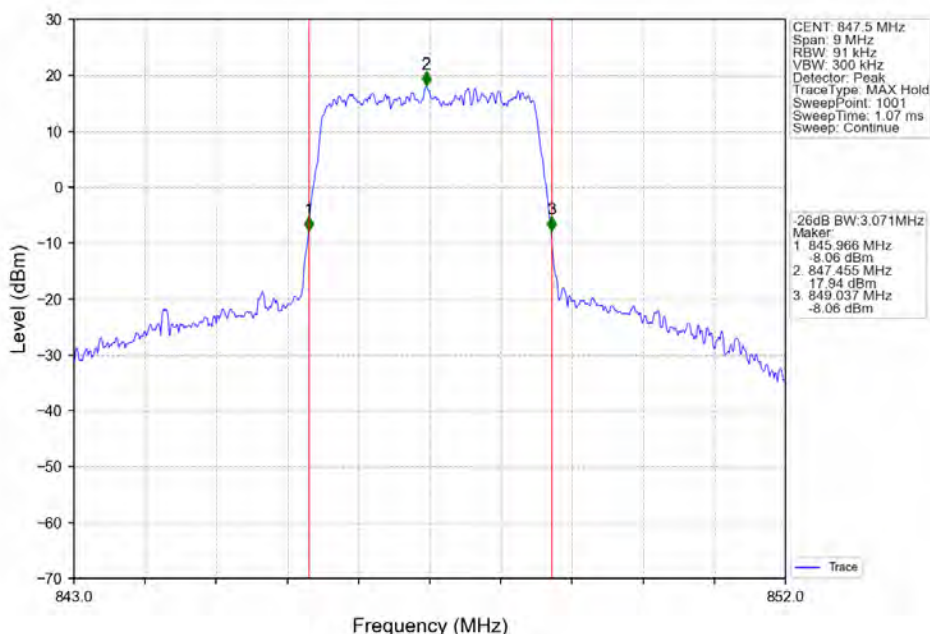
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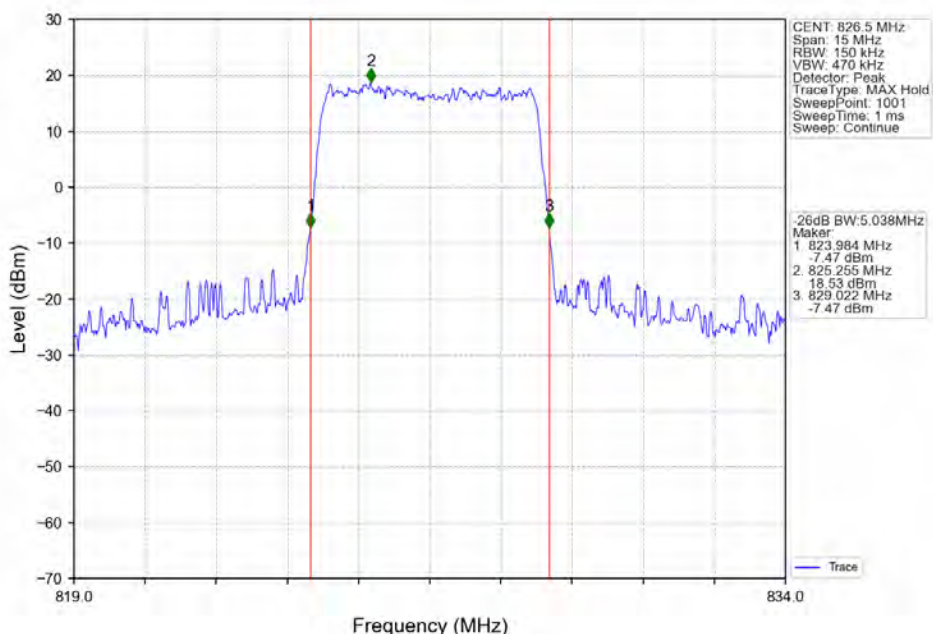
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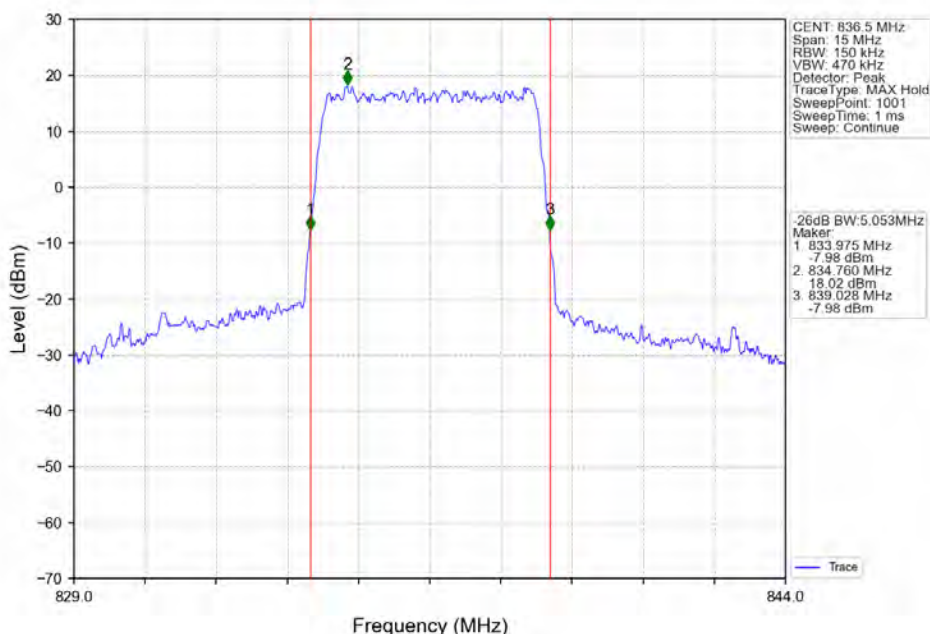
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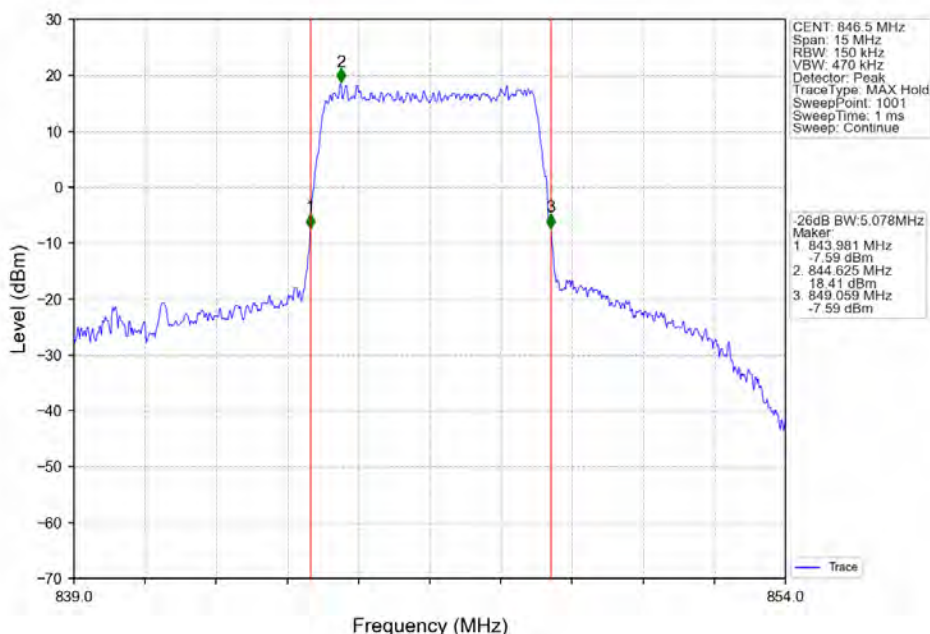
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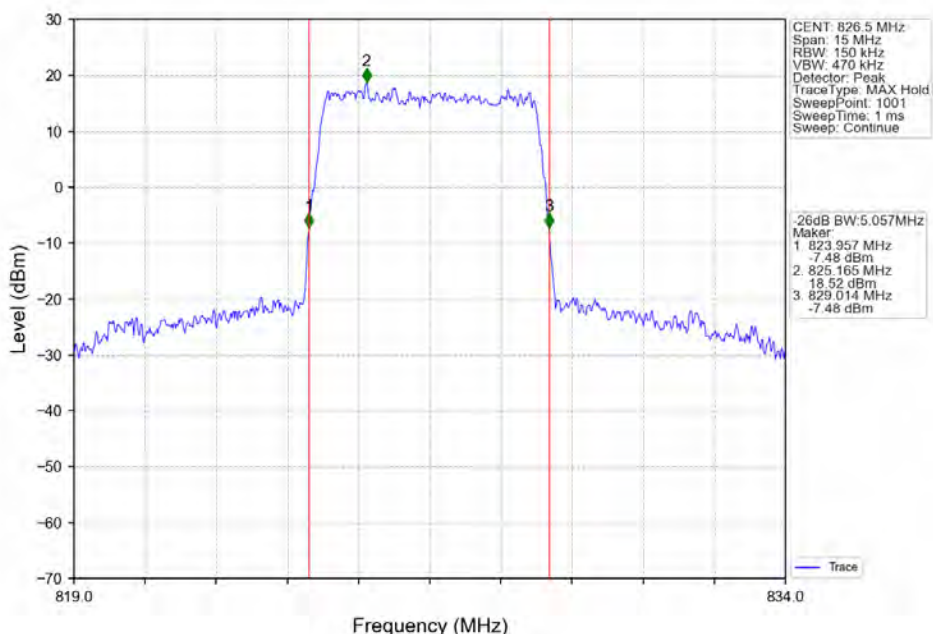
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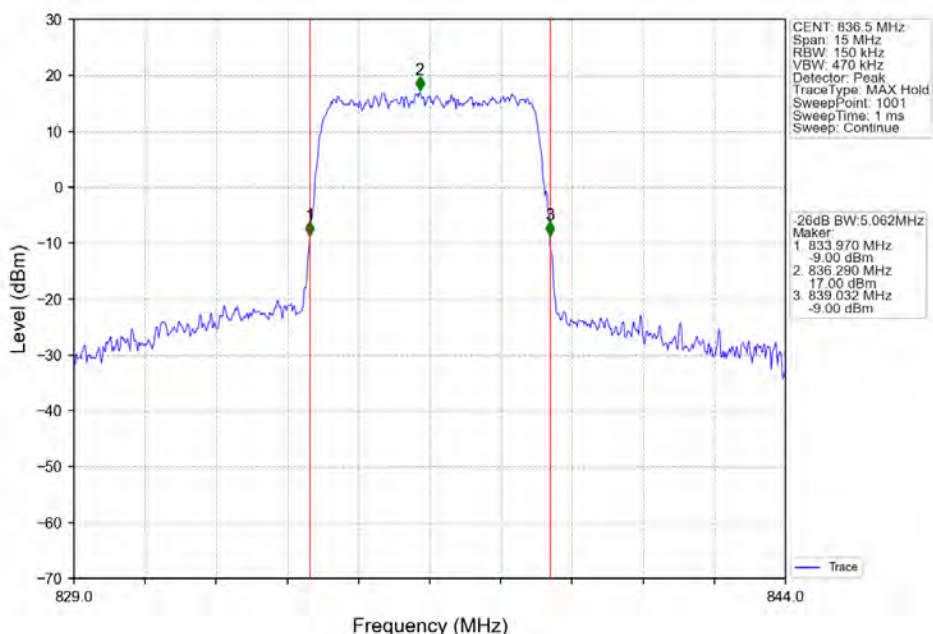
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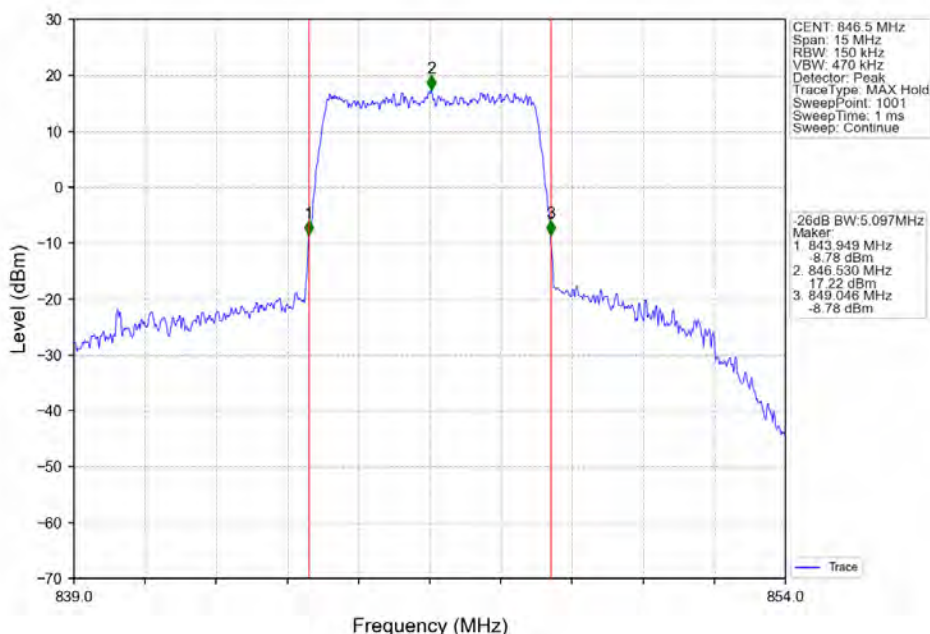
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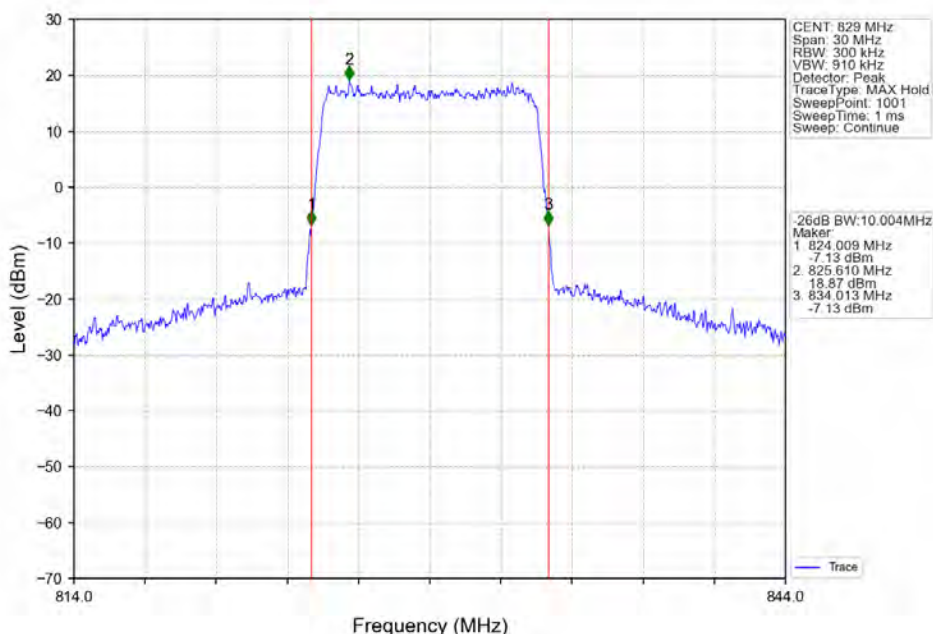
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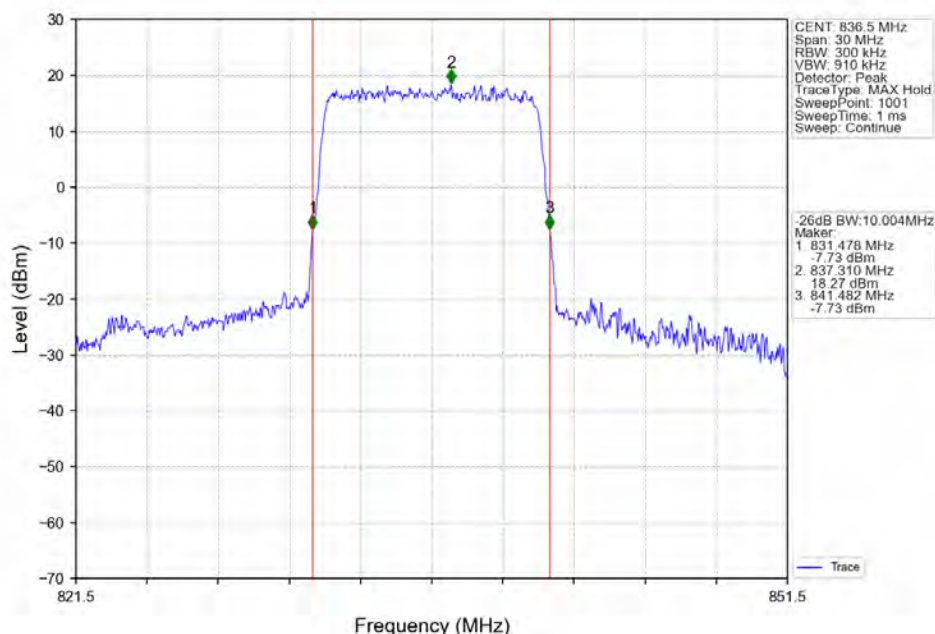
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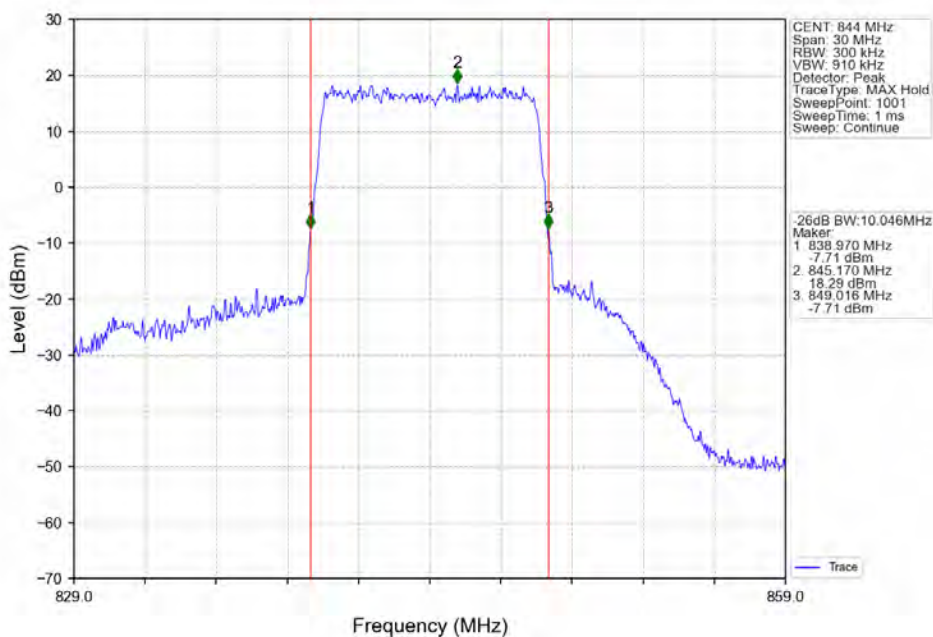
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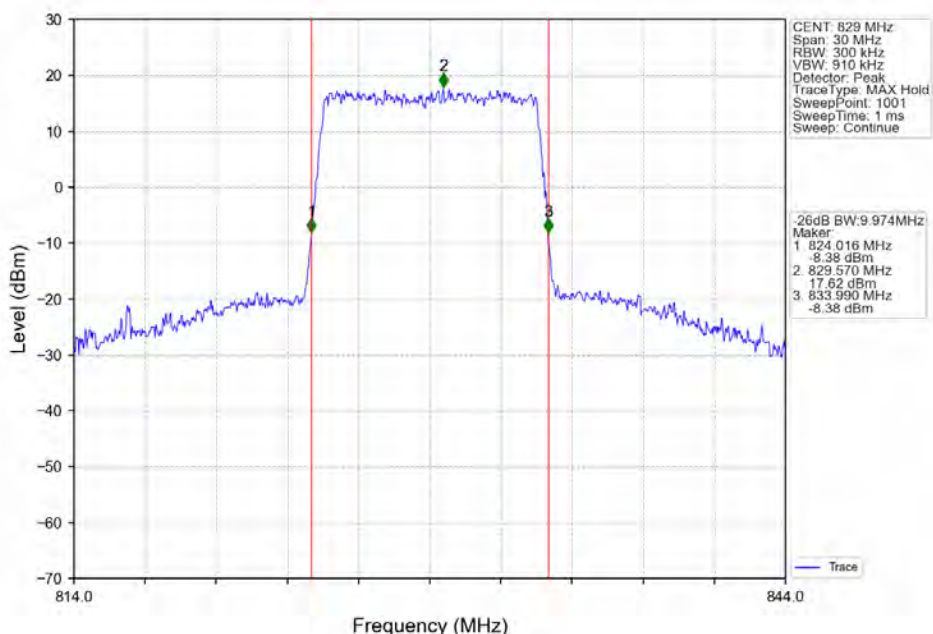
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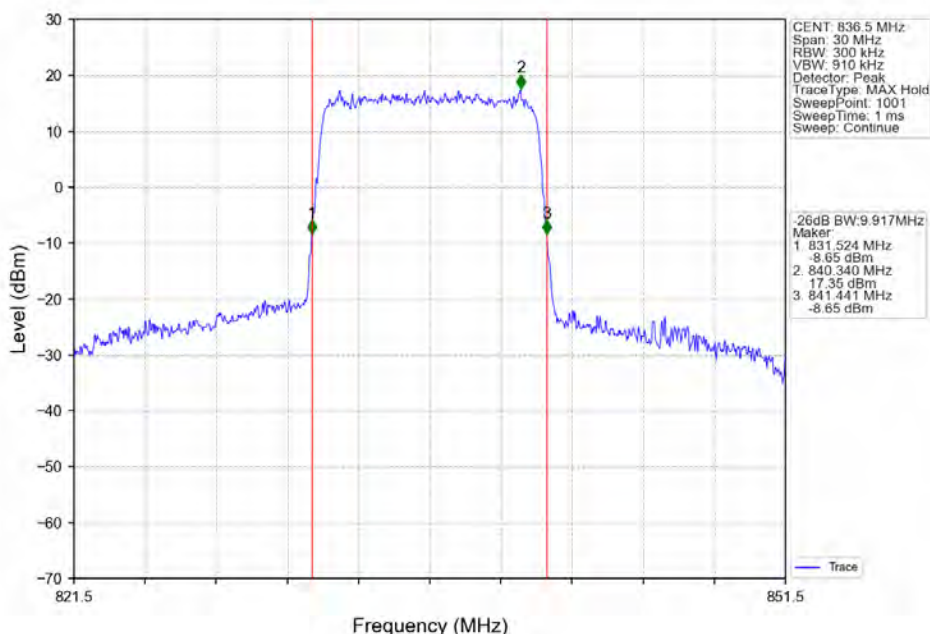
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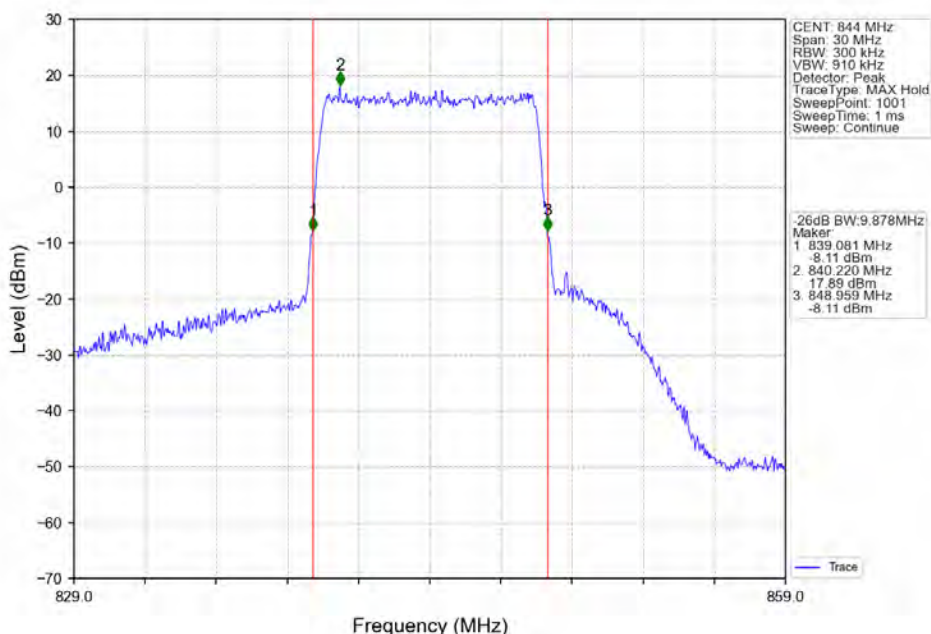
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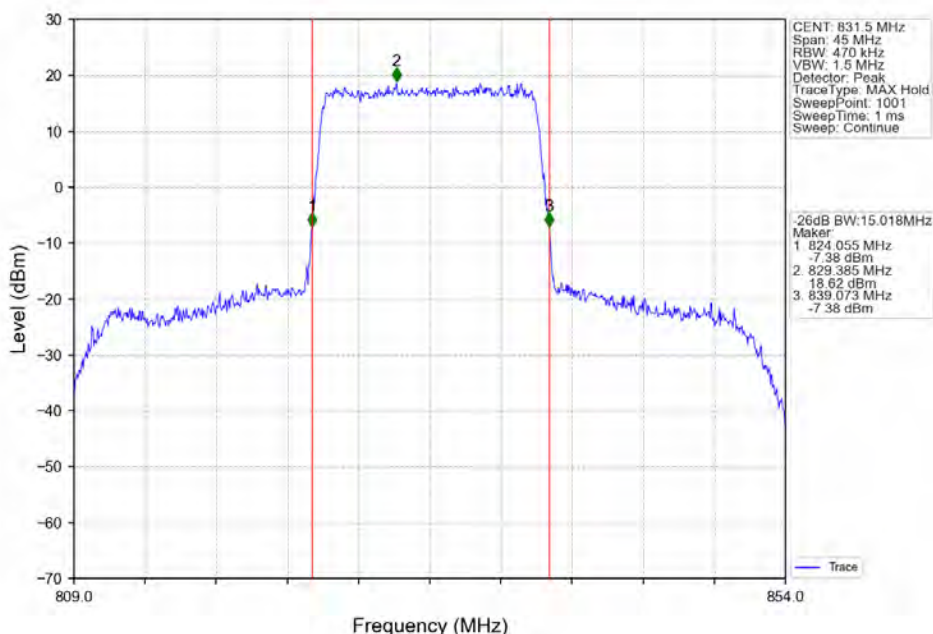
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Band26b_15MHz_QPSK_LCH_831.5MHz_RB_75_0_NTNV



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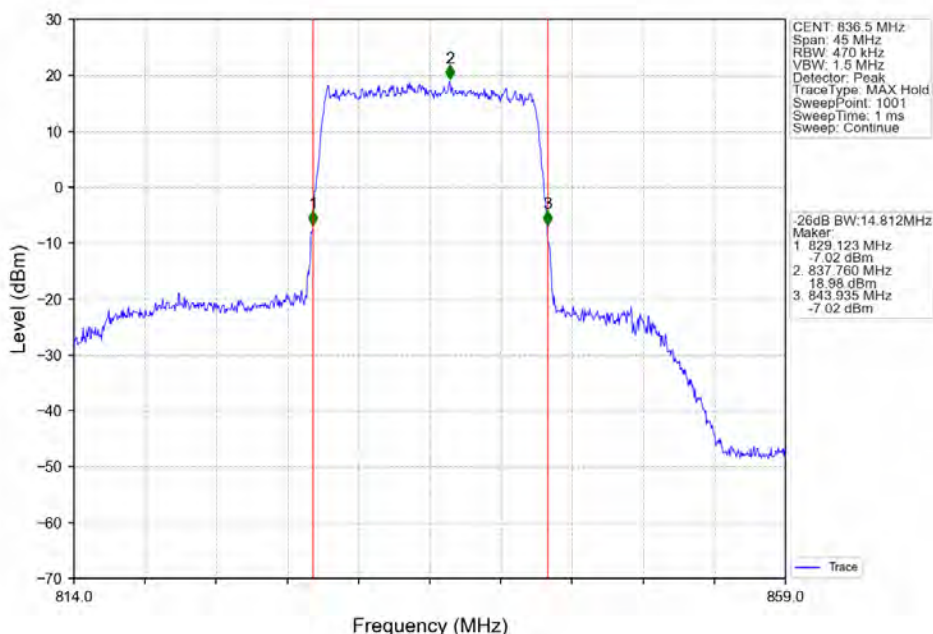
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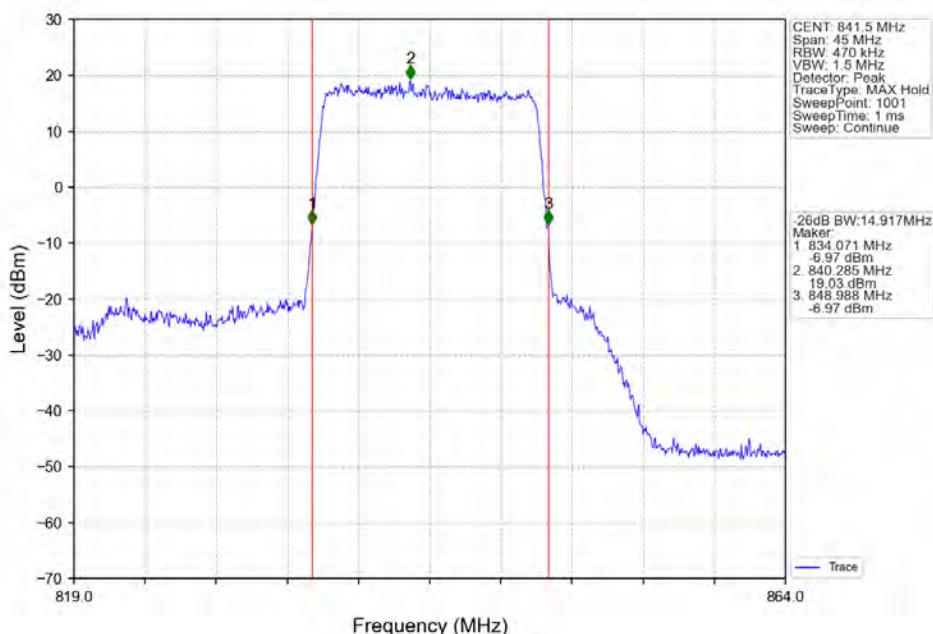
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Band26b_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



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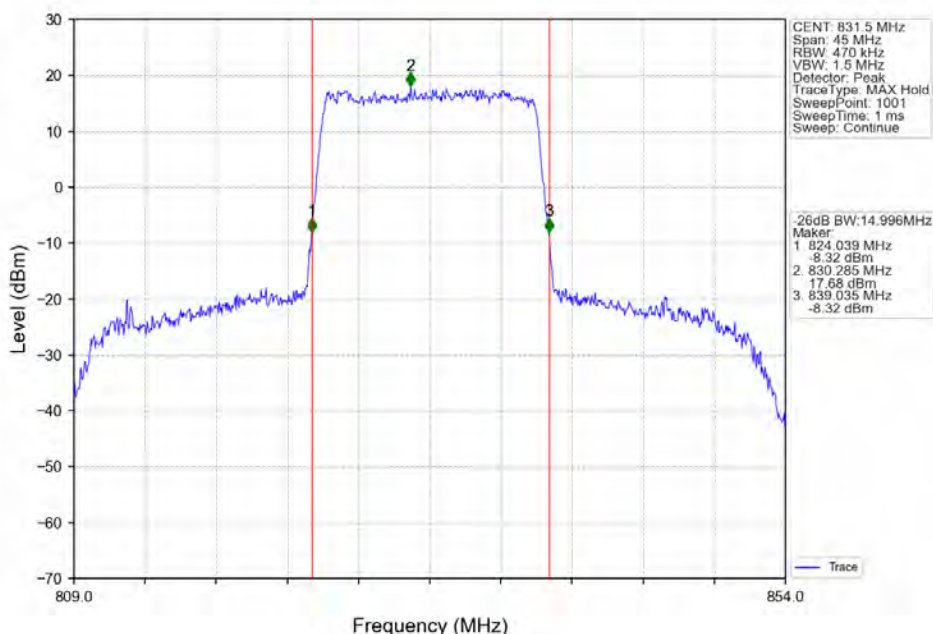
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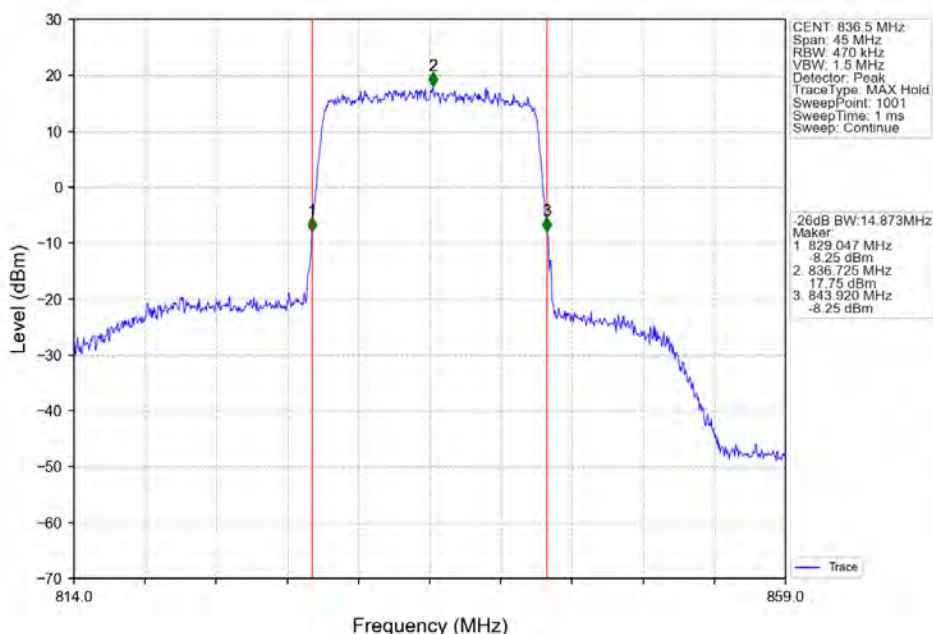
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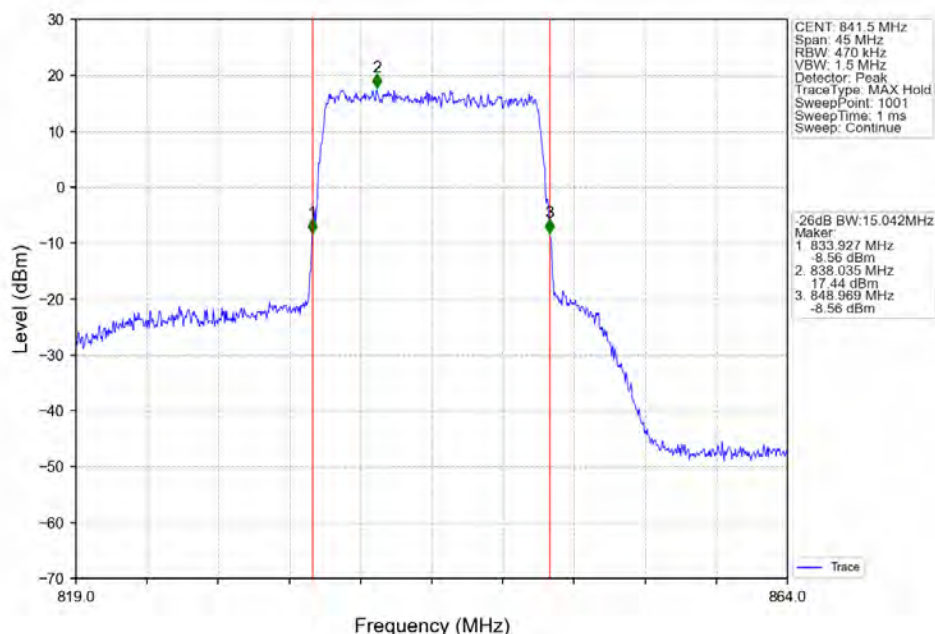
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4. Peak-Average Ratio

4.1 B26b_1.4MHz

4.1.1 Test Result

Band: 26b / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.41	<=13	Pass
	836.5	6	0	5.55	<=13	Pass
	848.3	6	0	5.34	<=13	Pass
16QAM	824.7	6	0	6.24	<=13	Pass
	836.5	6	0	6.38	<=13	Pass
	848.3	6	0	6.19	<=13	Pass



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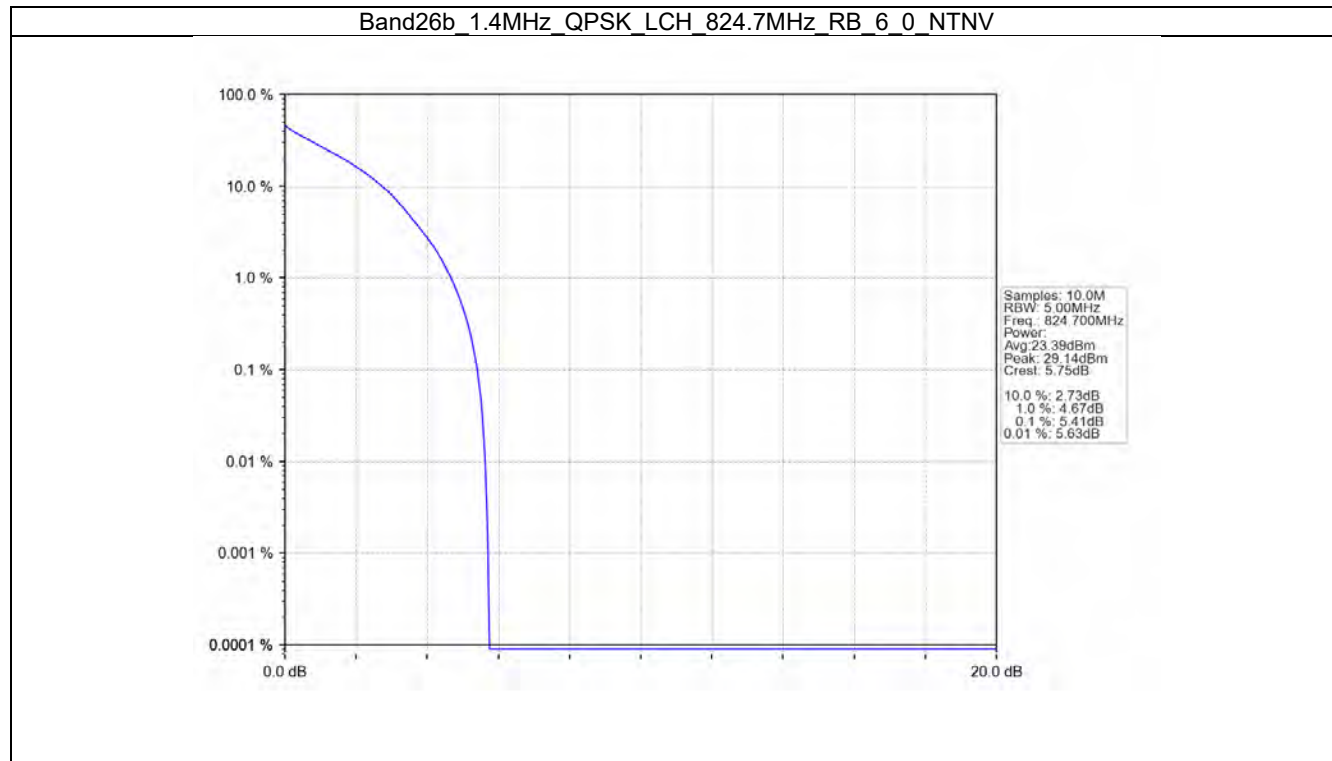
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4.1.2 Test Graph



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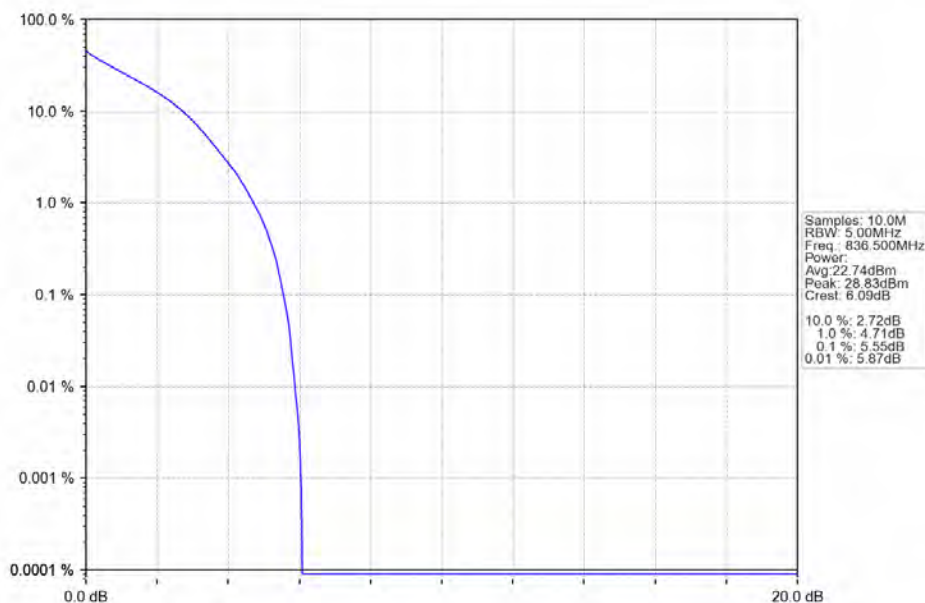
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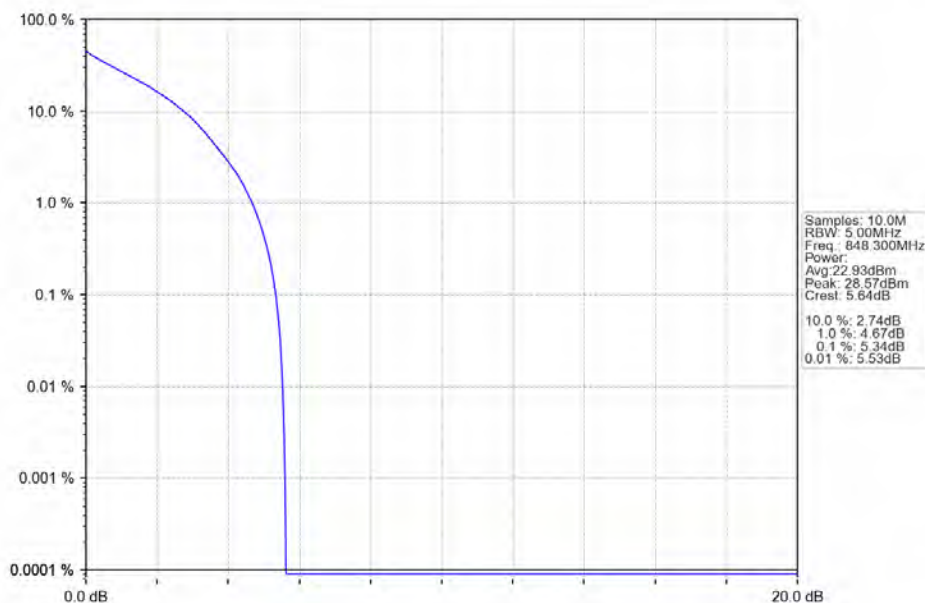
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Band26b 1.4MHz QPSK HCH 848.3MHz_RB_6_0 NTN



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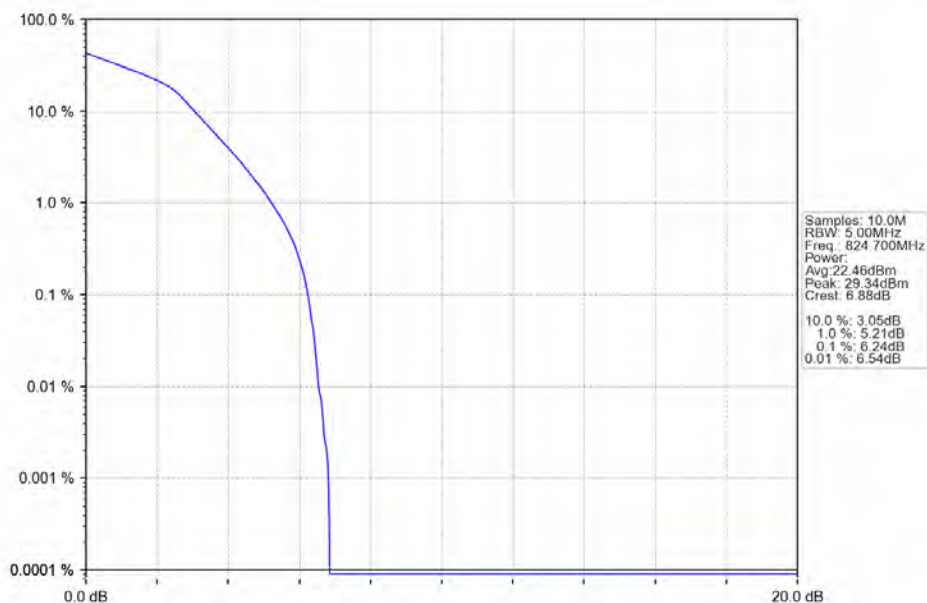
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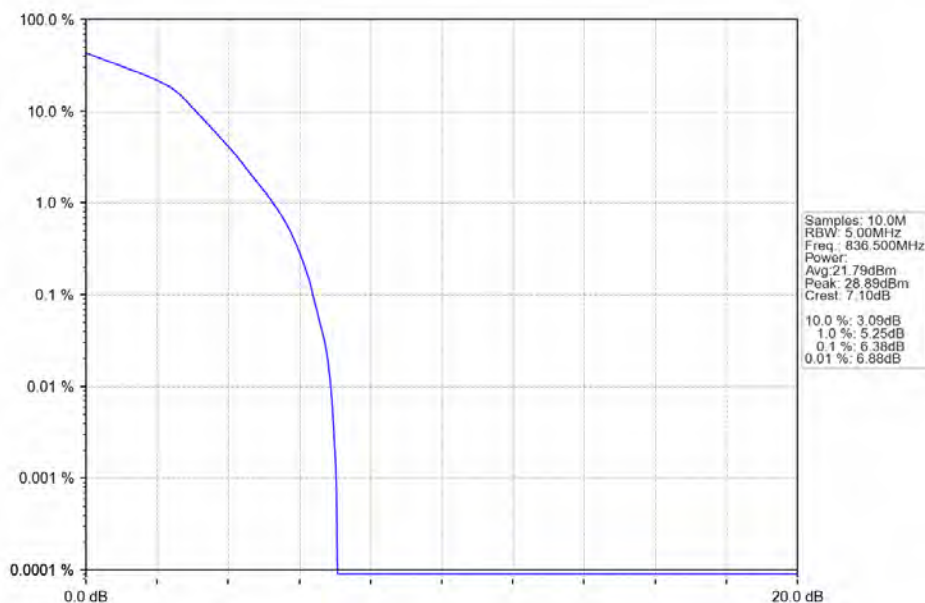
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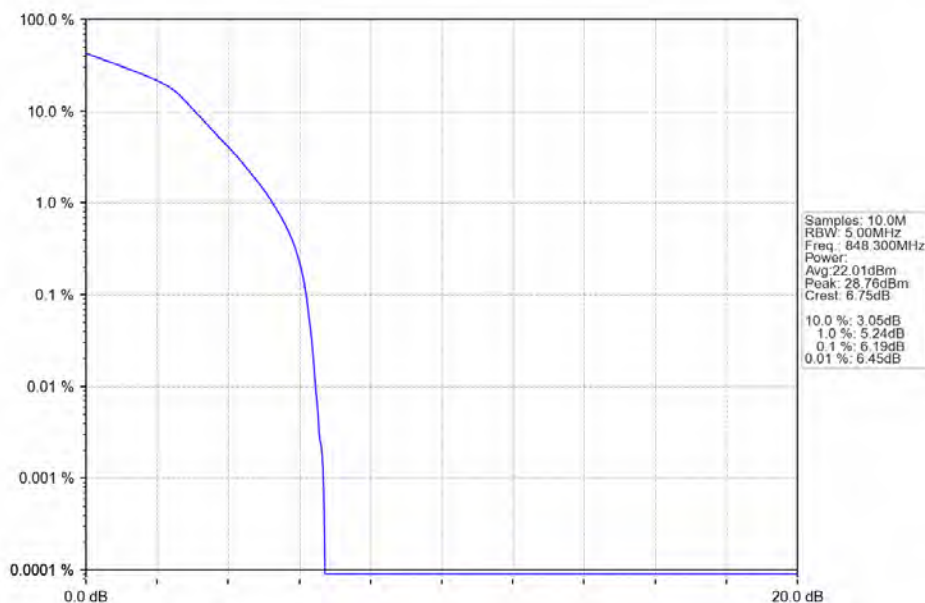
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4.2 B26b_3MHz

4.2.1 Test Result

Band: 26b / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.53	<=13	Pass
	836.5	15	0	5.68	<=13	Pass
	847.5	15	0	5.60	<=13	Pass
16QAM	825.5	15	0	6.37	<=13	Pass
	836.5	15	0	6.49	<=13	Pass
	847.5	15	0	6.44	<=13	Pass



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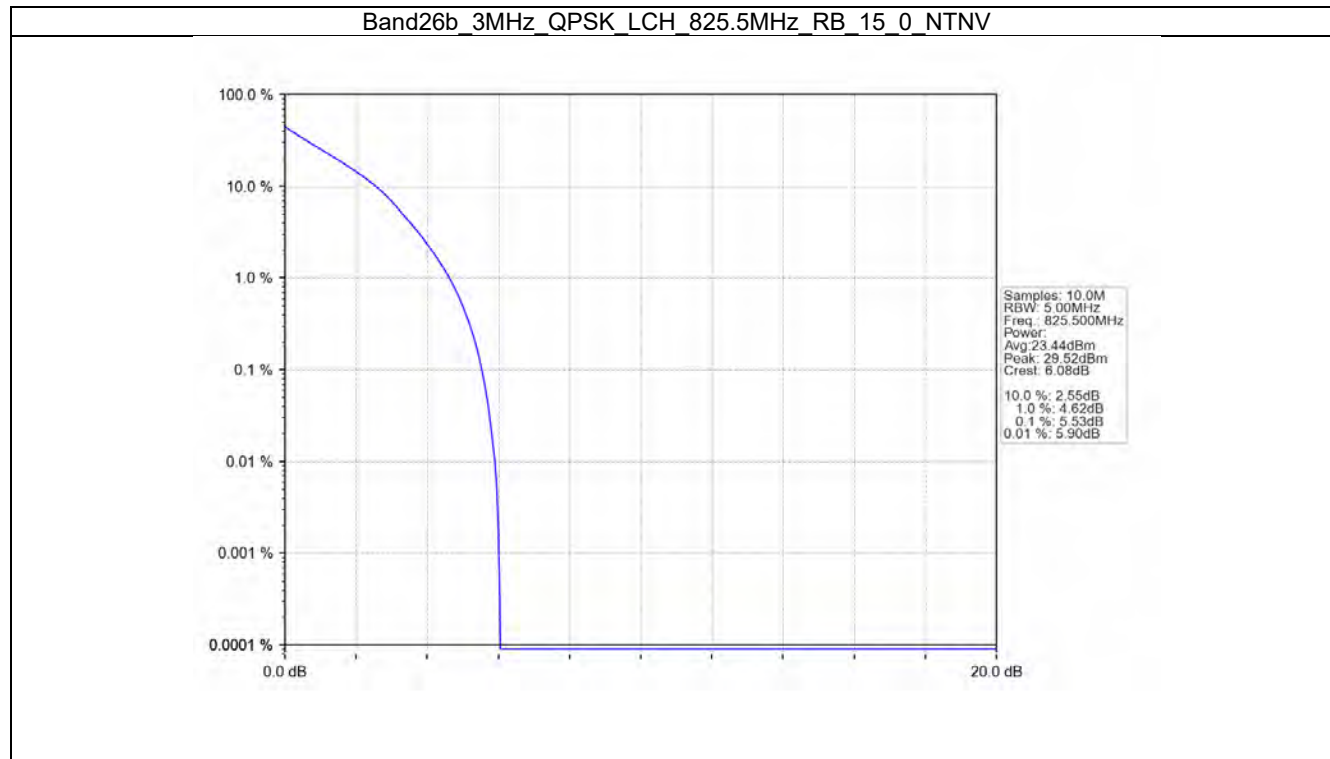
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4.2.2 Test Graph



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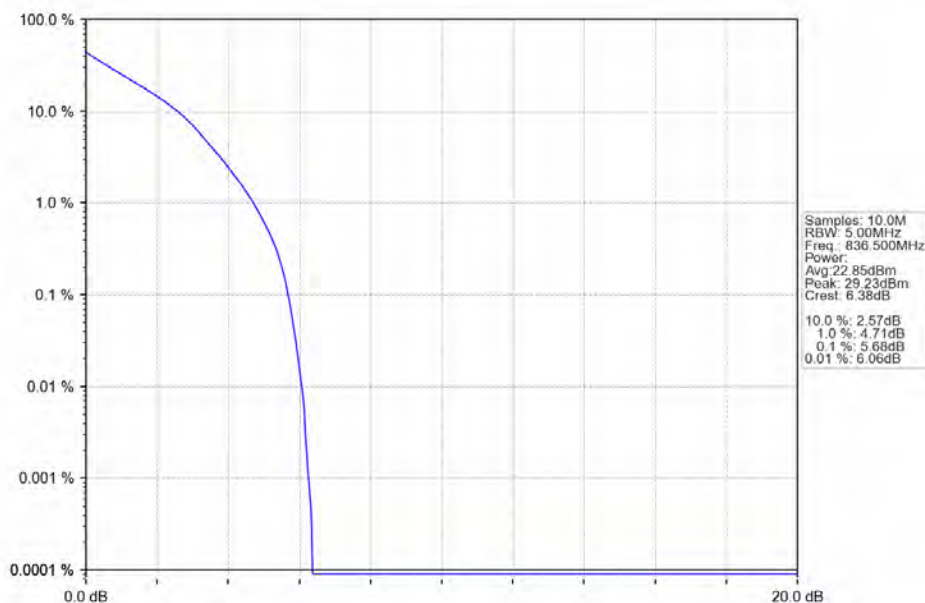
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Band26b 3MHz_QPSK_MCH 836.5MHz_RB 15_0 NTN



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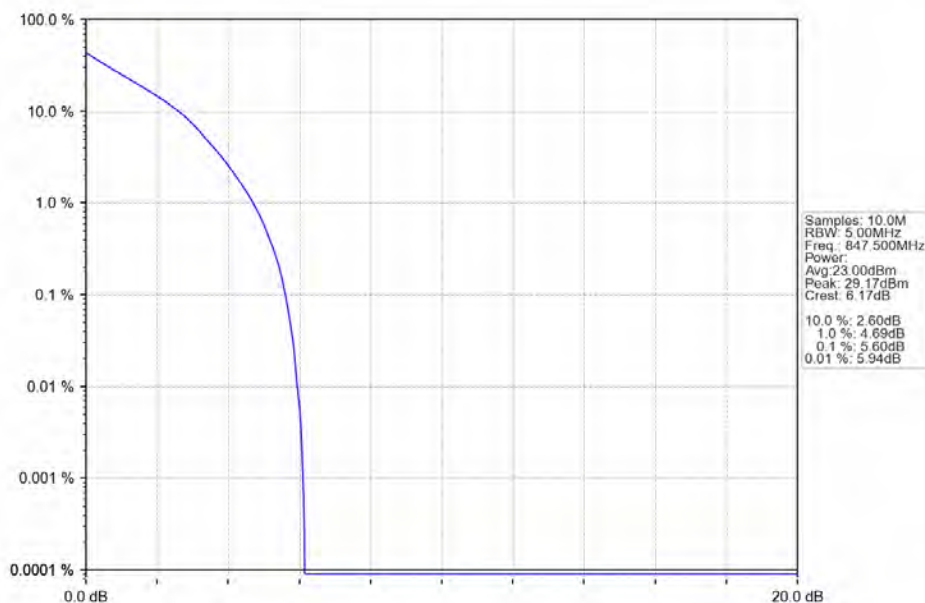
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Band26b_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



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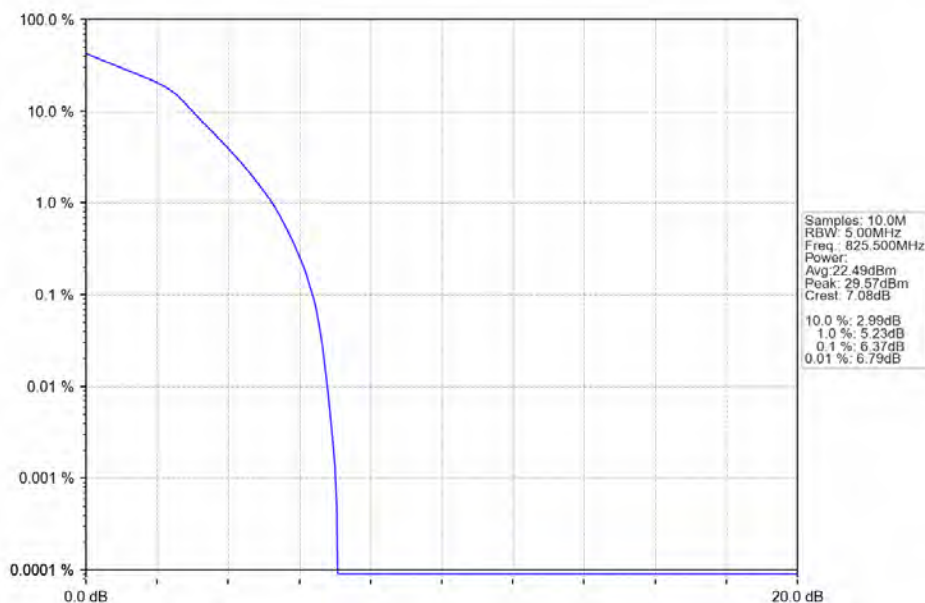
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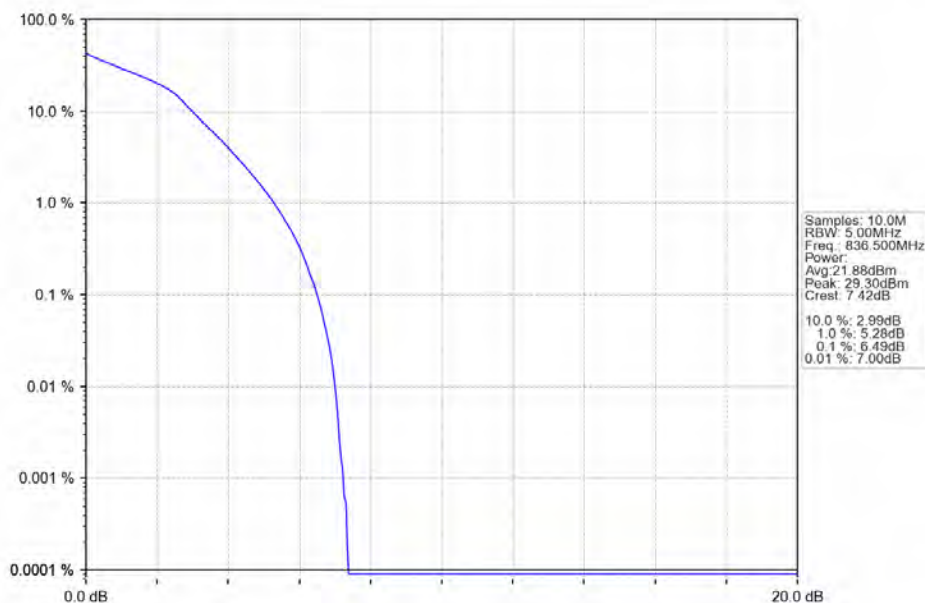
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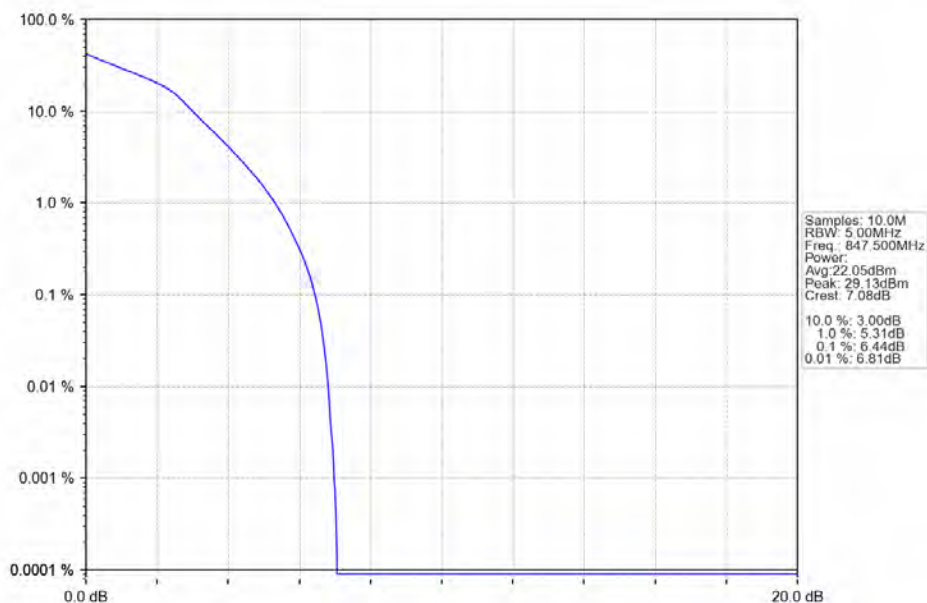
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4.3 B26b_5MHz

4.3.1 Test Result

Band: 26b / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.72	<=13	Pass
	836.5	25	0	5.69	<=13	Pass
	846.5	25	0	5.75	<=13	Pass
16QAM	826.5	25	0	6.47	<=13	Pass
	836.5	25	0	6.50	<=13	Pass
	846.5	25	0	6.51	<=13	Pass



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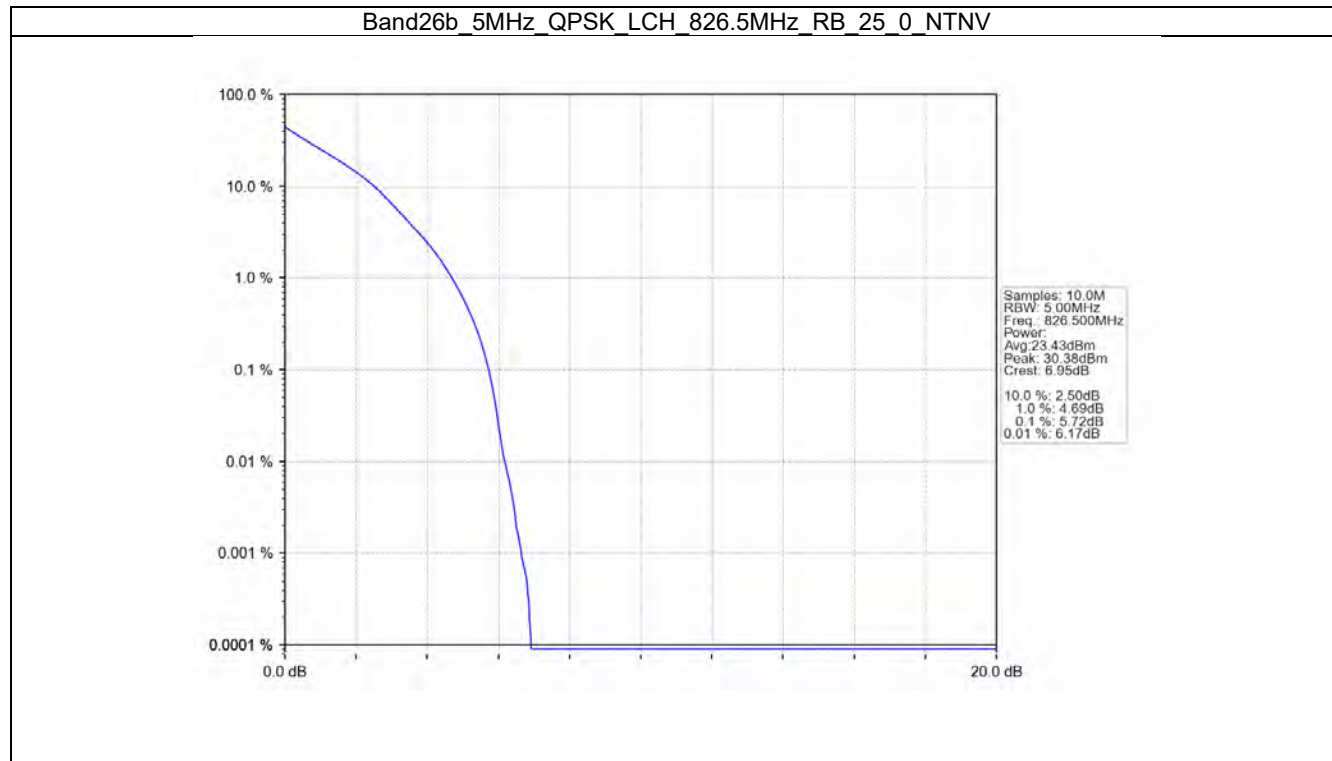
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4.3.2 Test Graph



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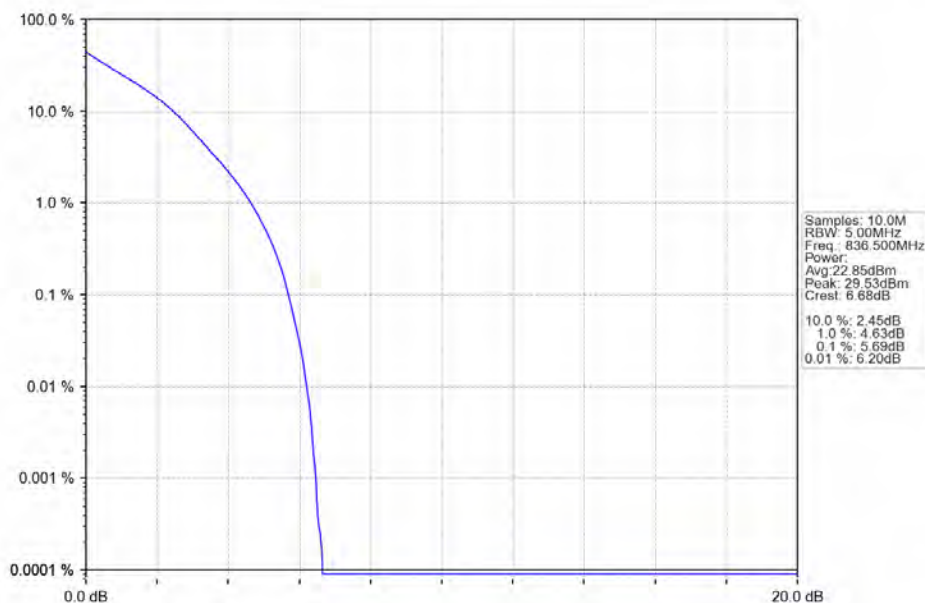
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Band26b 5MHz_QPSK_MCH 836.5MHz_RB 25 0 NTN



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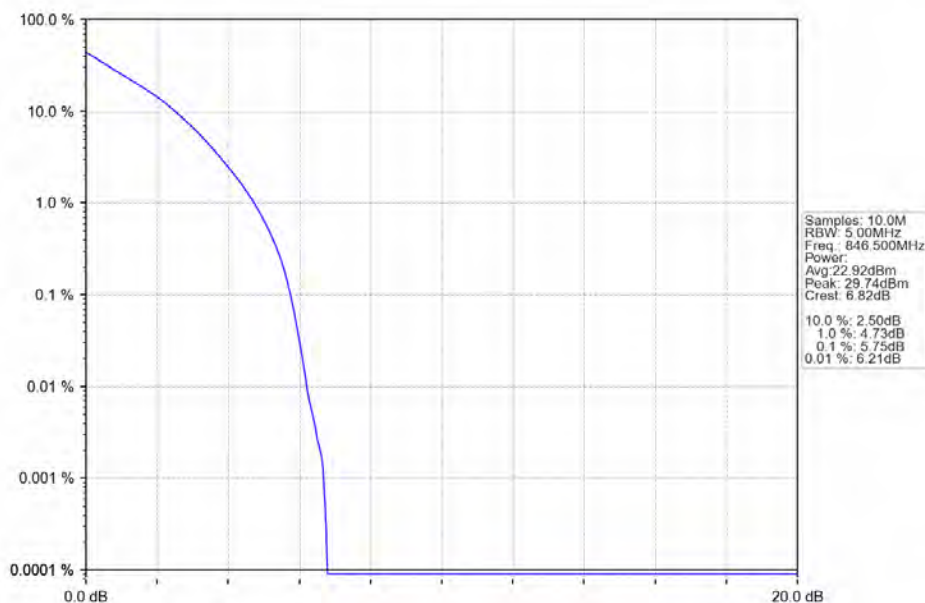
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Band26b_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



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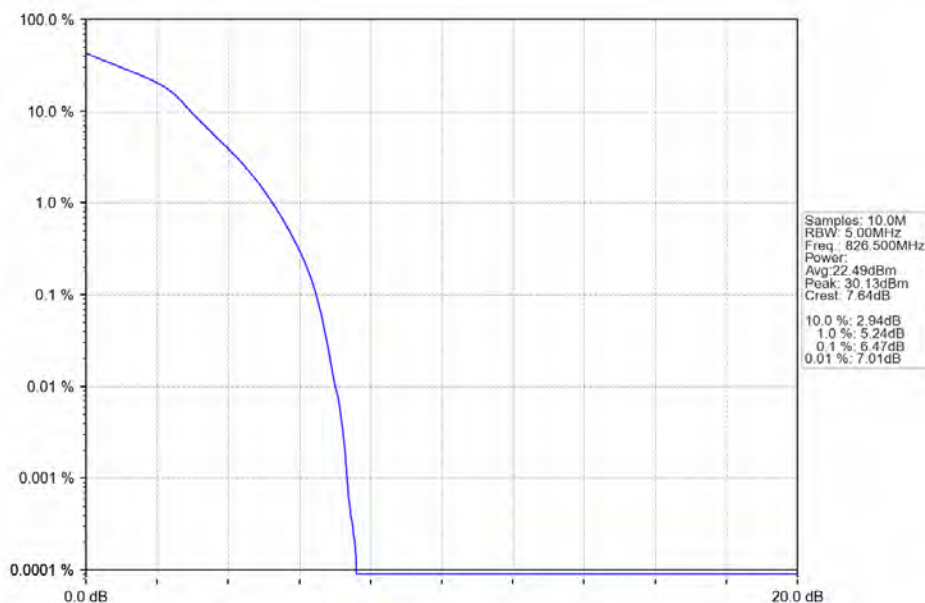
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Band26b_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



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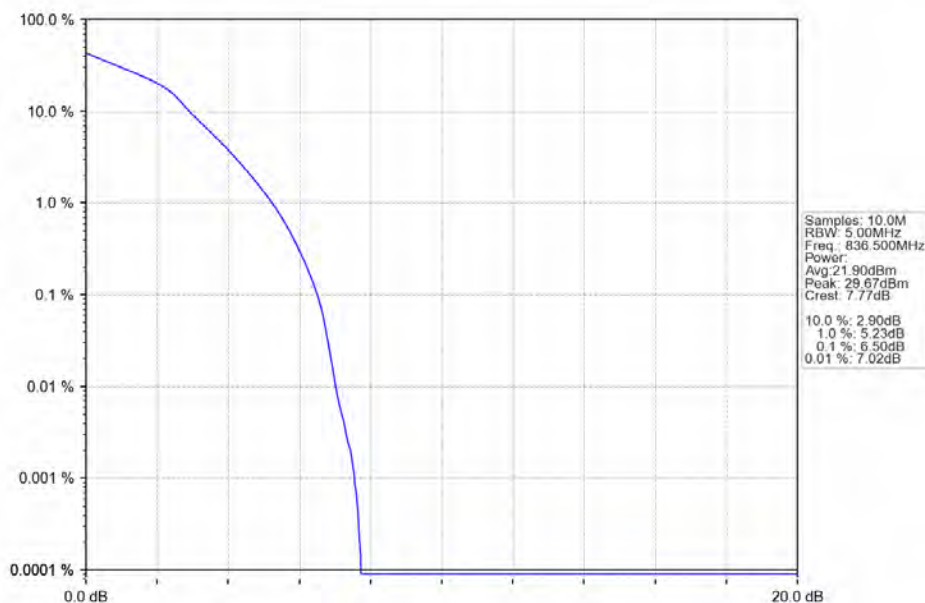
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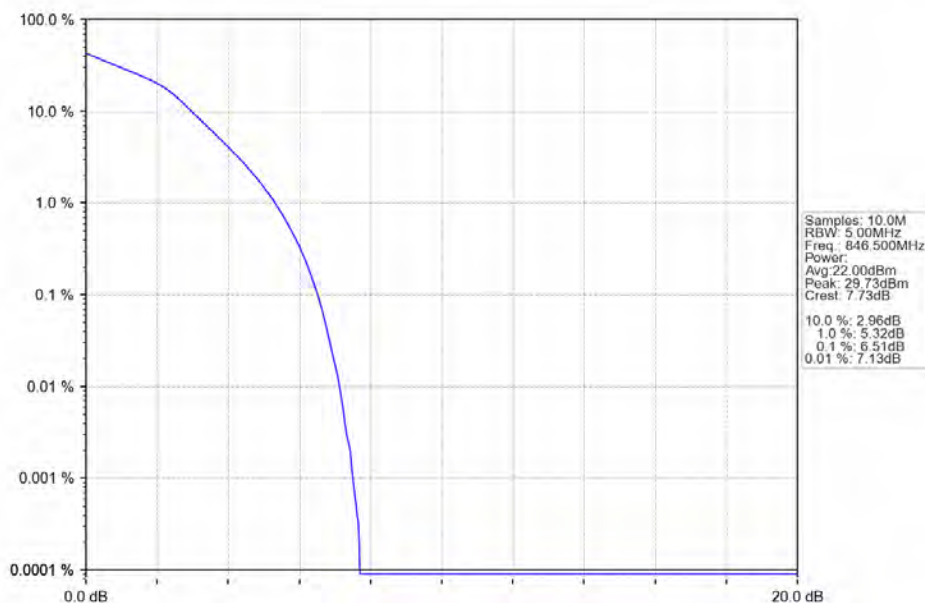
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4.4 B26b_10MHz

4.4.1 Test Result

Band: 26b / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.73	<=13	Pass
	836.5	50	0	5.61	<=13	Pass
	844	50	0	5.71	<=13	Pass
16QAM	829	50	0	6.54	<=13	Pass
	836.5	50	0	6.49	<=13	Pass
	844	50	0	6.54	<=13	Pass



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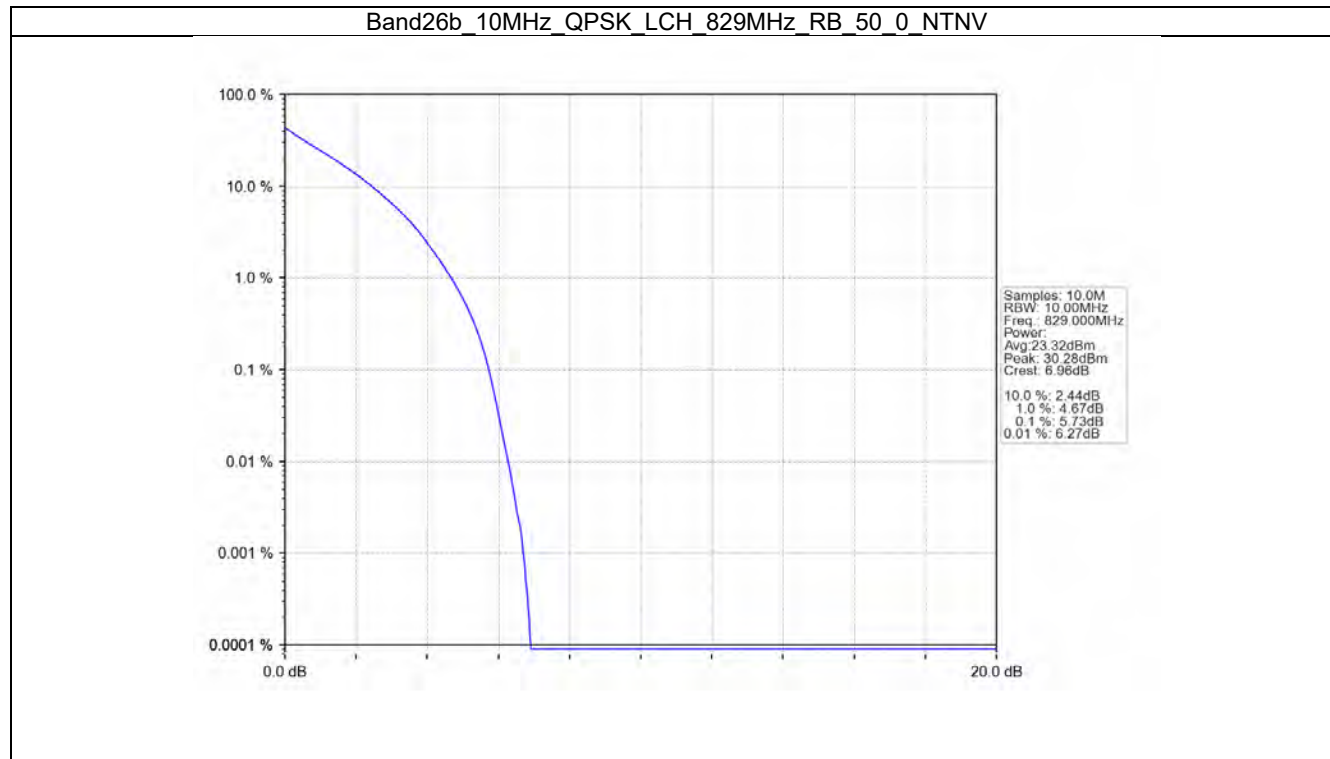
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4.4.2 Test Graph



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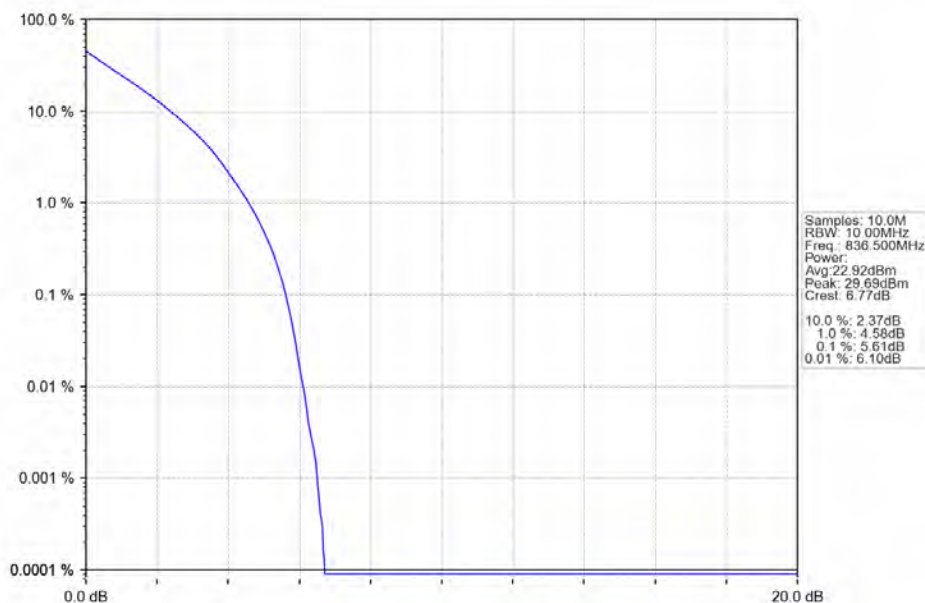
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Band26b_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



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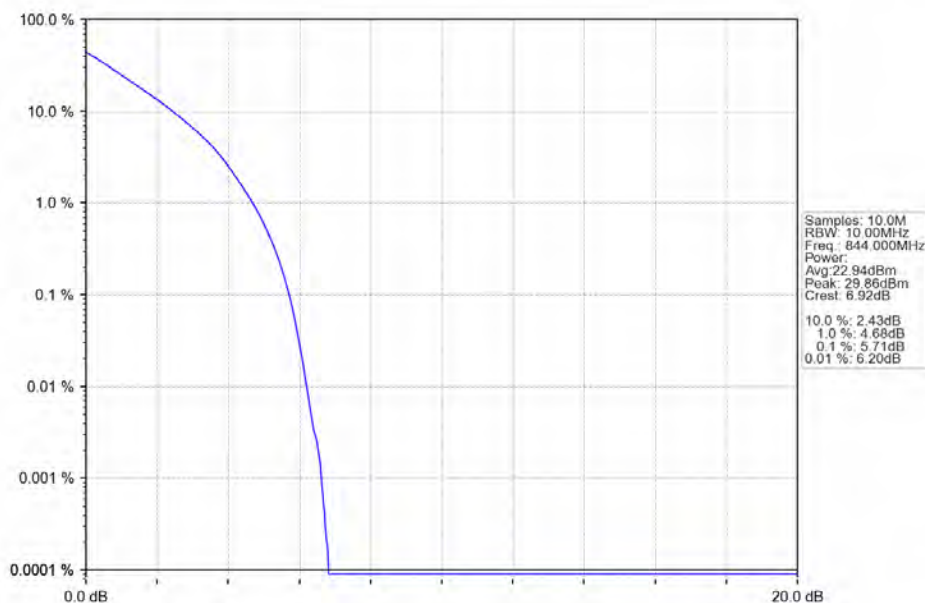
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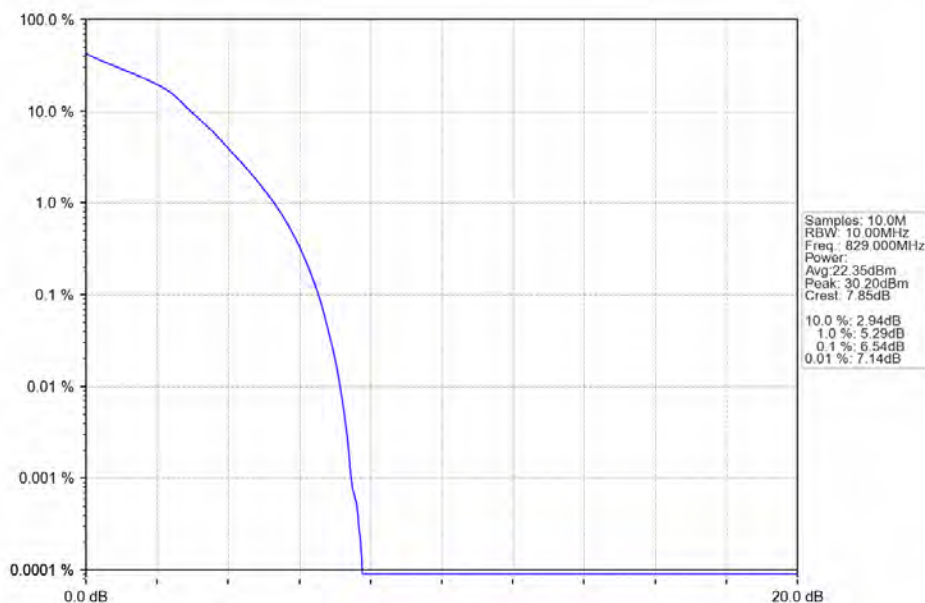
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Band26b_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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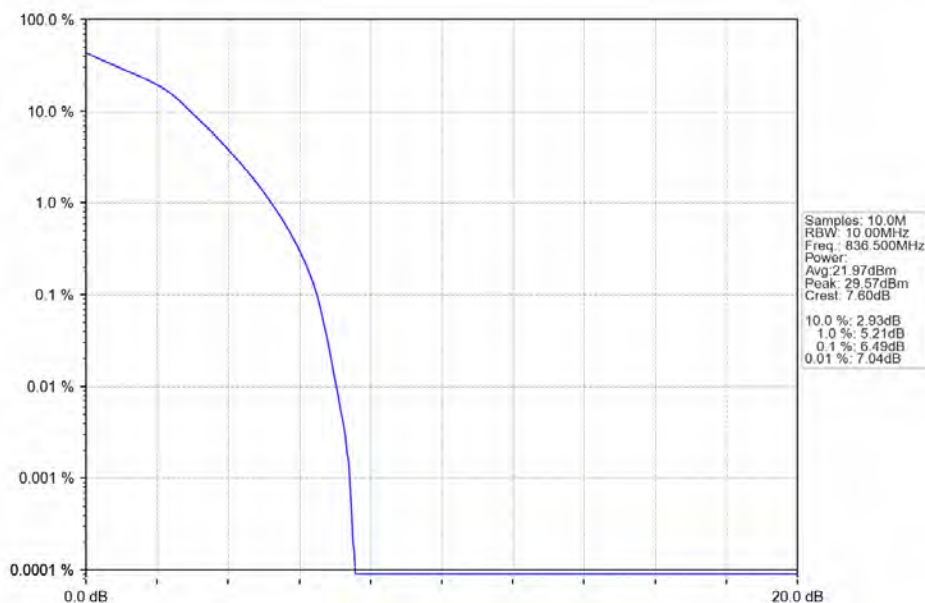
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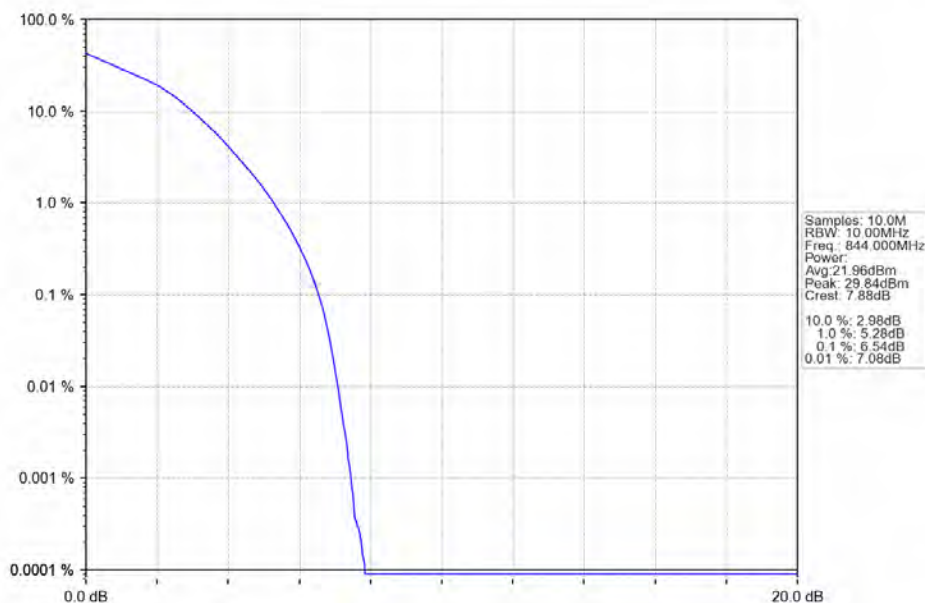
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4.5 B26b_15MHz

4.5.1 Test Result

Band: 26b / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	831.5	75	0	5.76	<=13	Pass
	836.5	75	0	5.77	<=13	Pass
	841.5	75	0	5.86	<=13	Pass
16QAM	831.5	75	0	6.51	<=13	Pass
	836.5	75	0	6.52	<=13	Pass
	841.5	75	0	6.54	<=13	Pass



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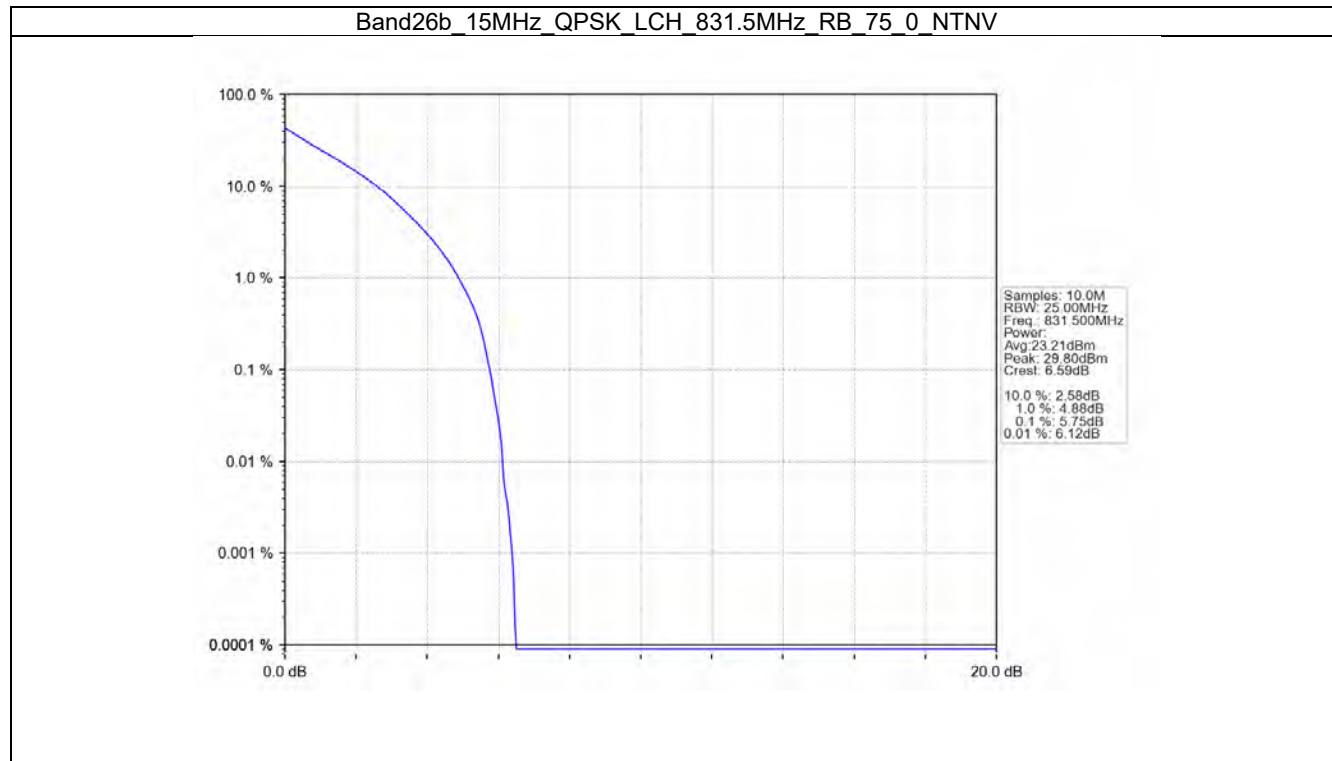
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4.5.2 Test Graph



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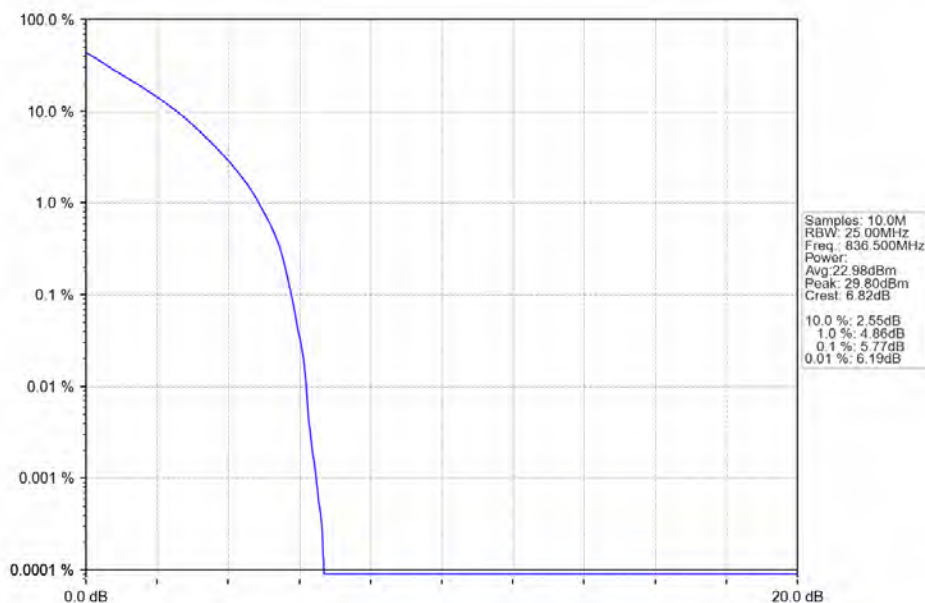
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Band26b_15MHz_QPSK_MCH_836.5MHz_RB_75_0_NTNV



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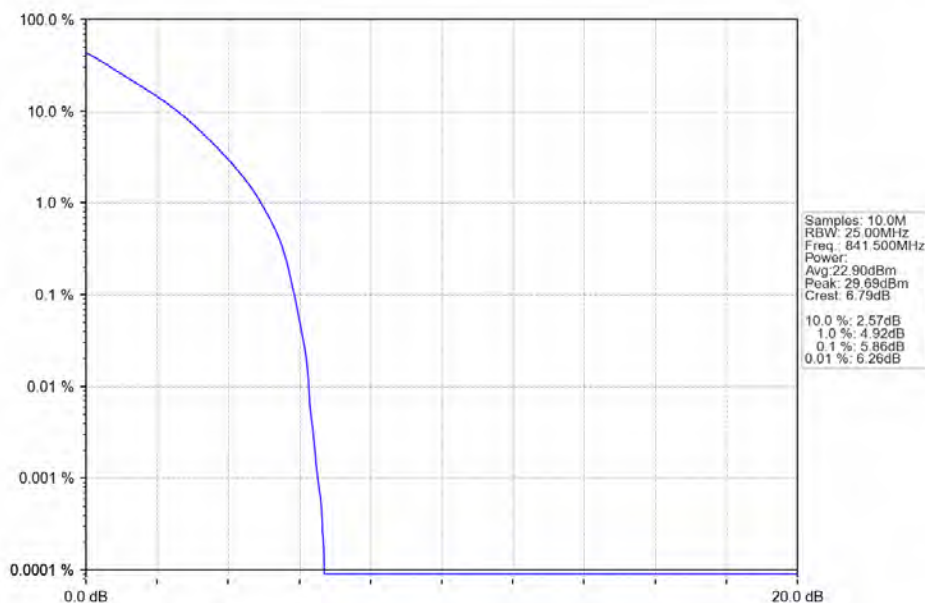
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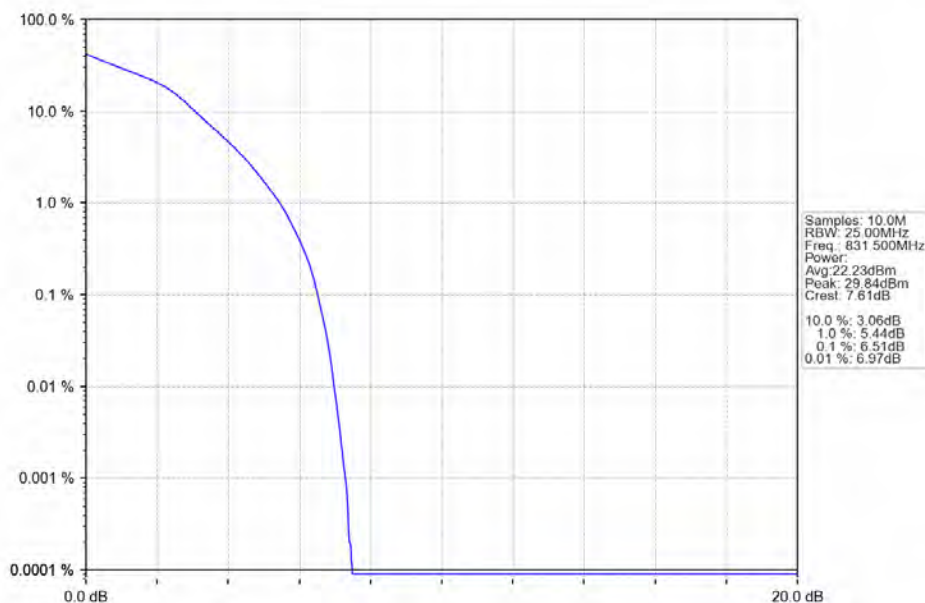
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Band26b_15MHz_16QAM_LCH_831.5MHz_RB_75_0_NTNV



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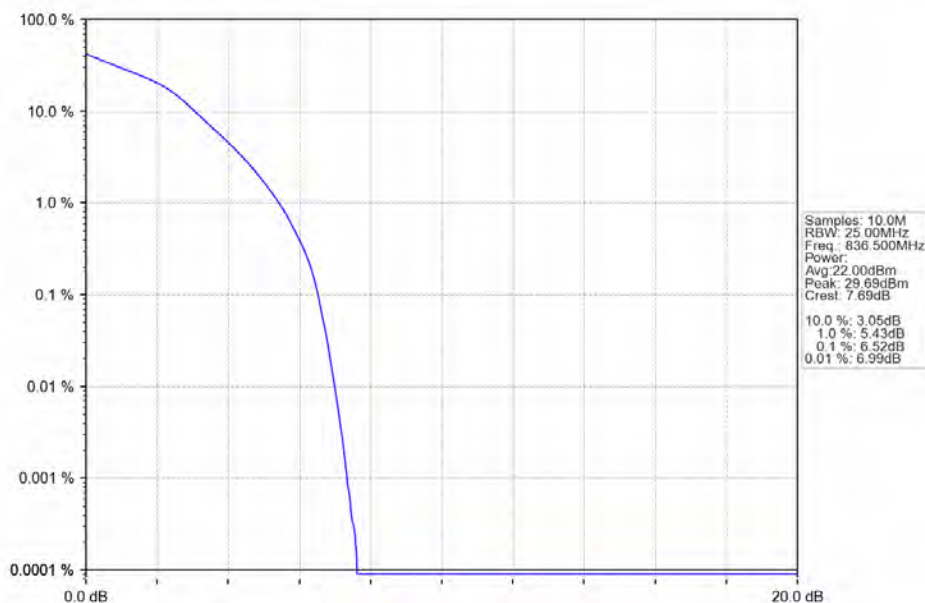
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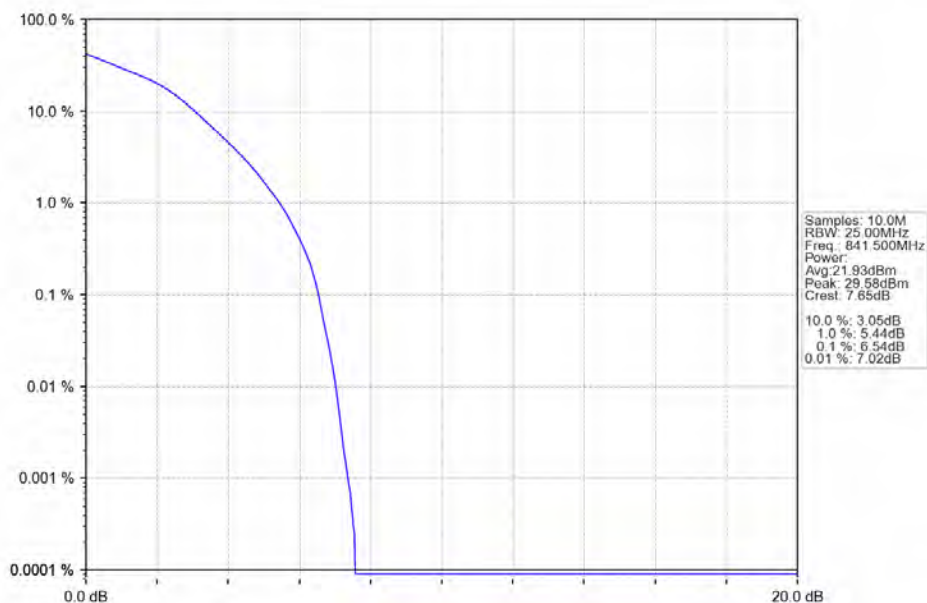
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5. Spurious Emission & Band Edge

5.1 B26b_1.4MHz

5.1.1 Test Result

Band: 26b / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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



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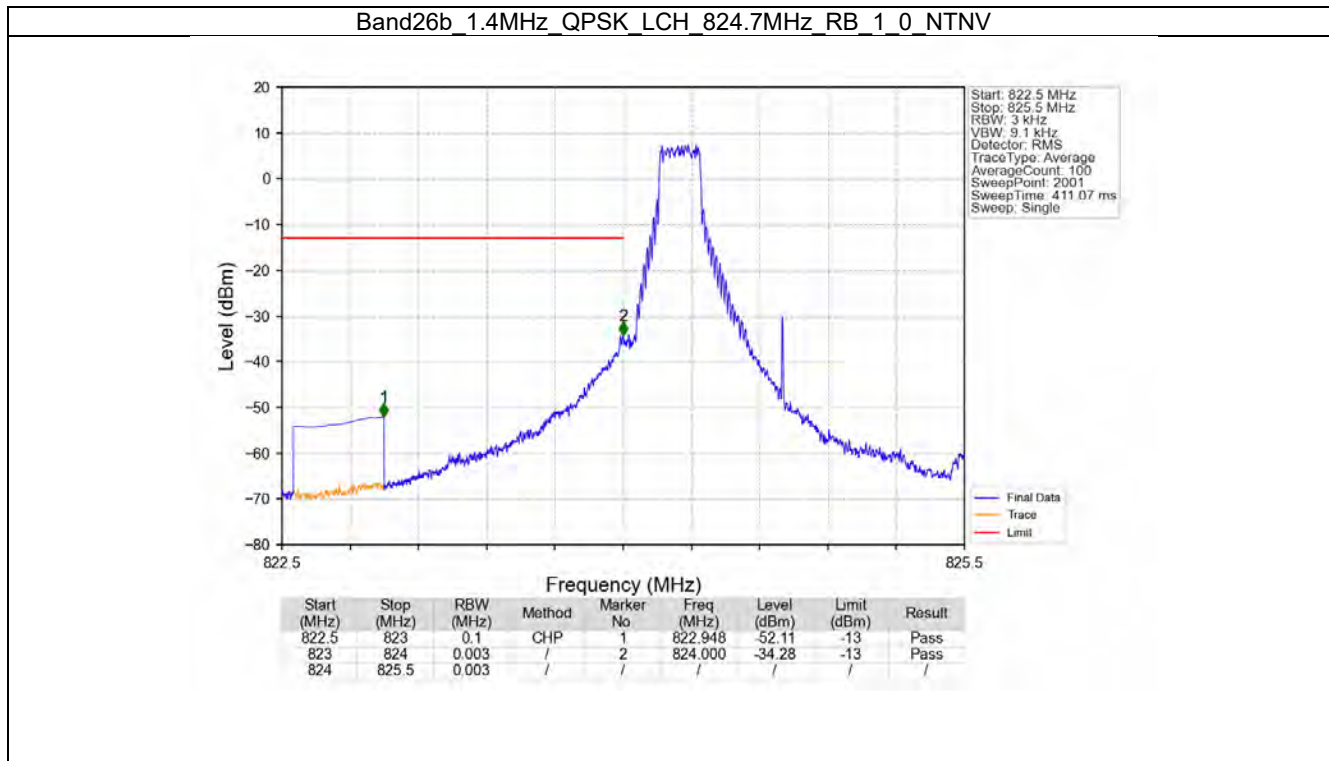
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5.1.2 Test Graph



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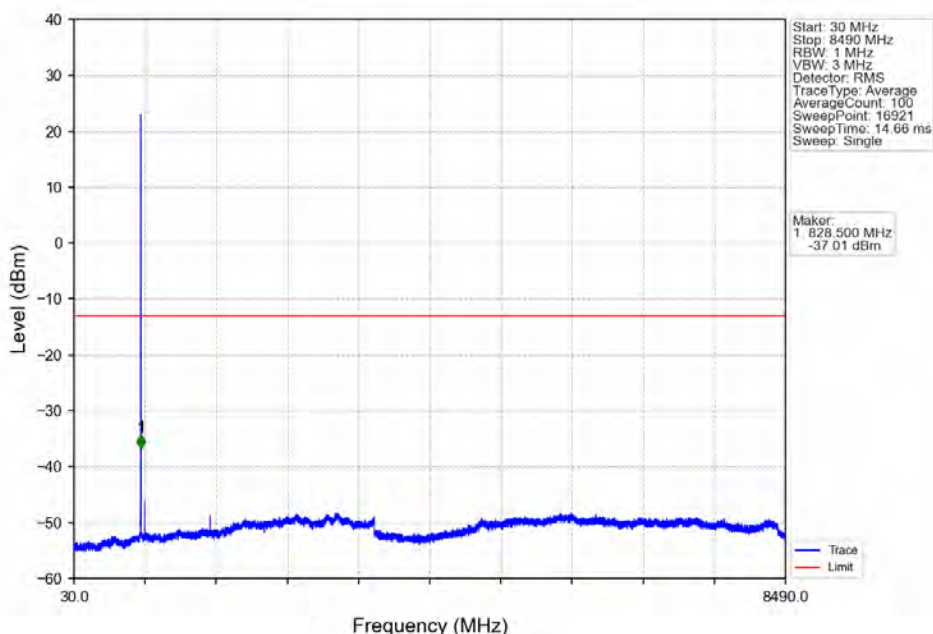
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Band26b_1.4MHz_QPSK_LCH_824.7MHz_RB_1_0_NTNV



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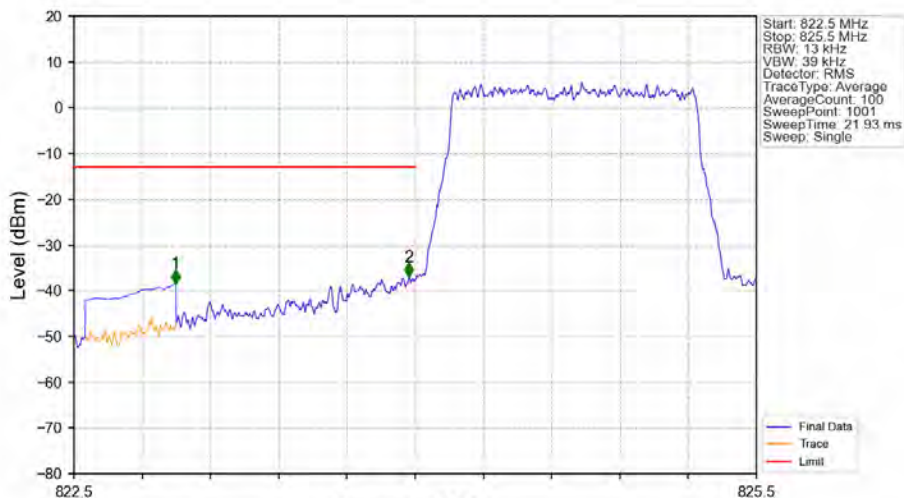
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Band26b 1.4MHz QPSK LCH 824.7MHz_RB_6_0_NTNV



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	-38.46	-13	Pass
823	824	0.013	/	2	823.973	-37.00	-13	Pass
824	825.5	0.013	/	/	/	/	/	/



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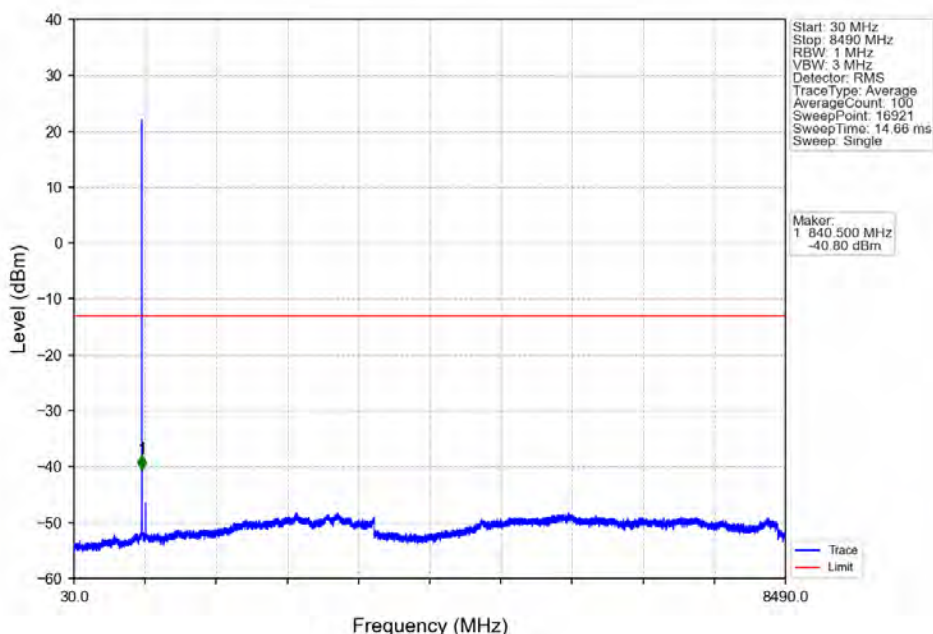
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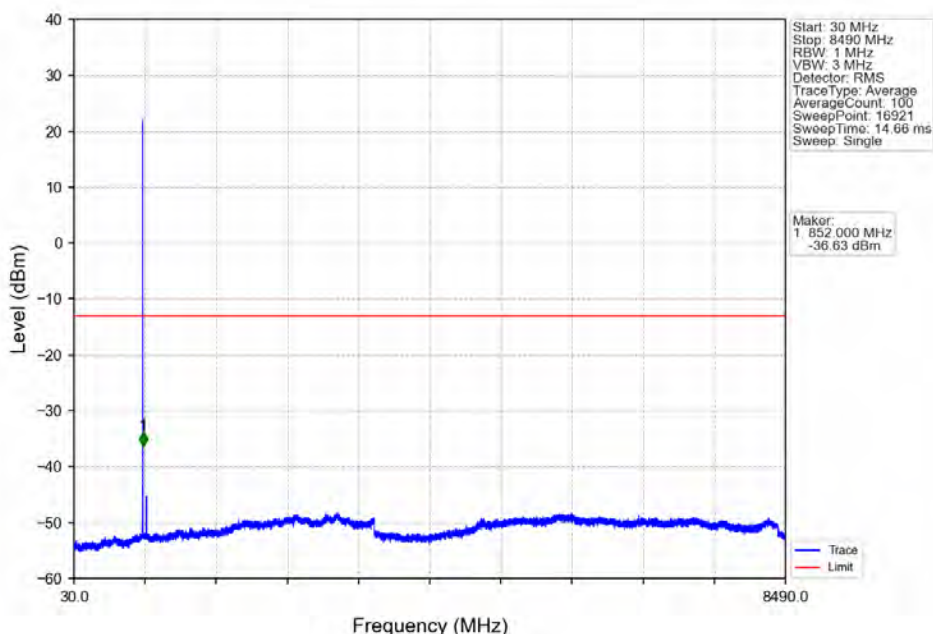
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Band26b 1.4MHz QPSK HCH 848.3MHz_RB_1_0 NTN



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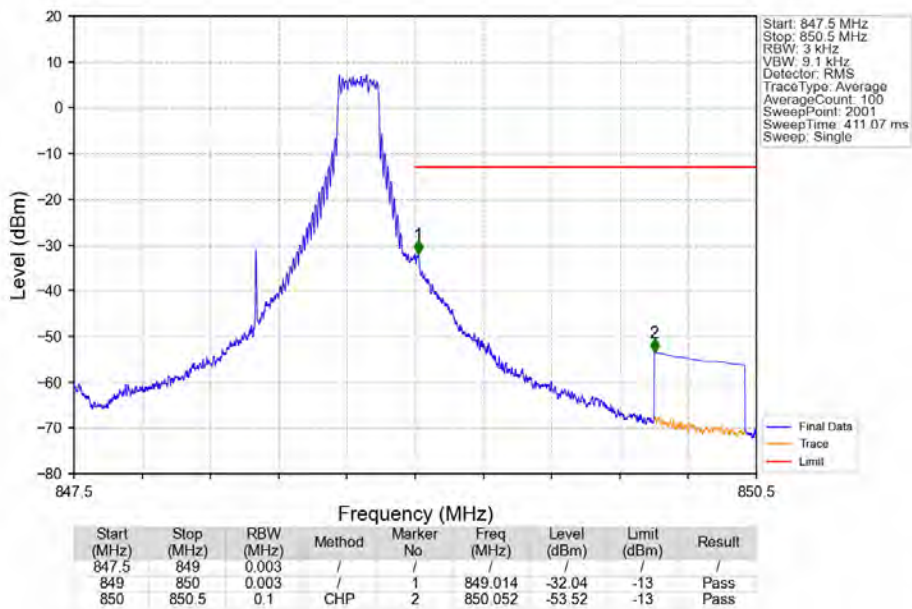
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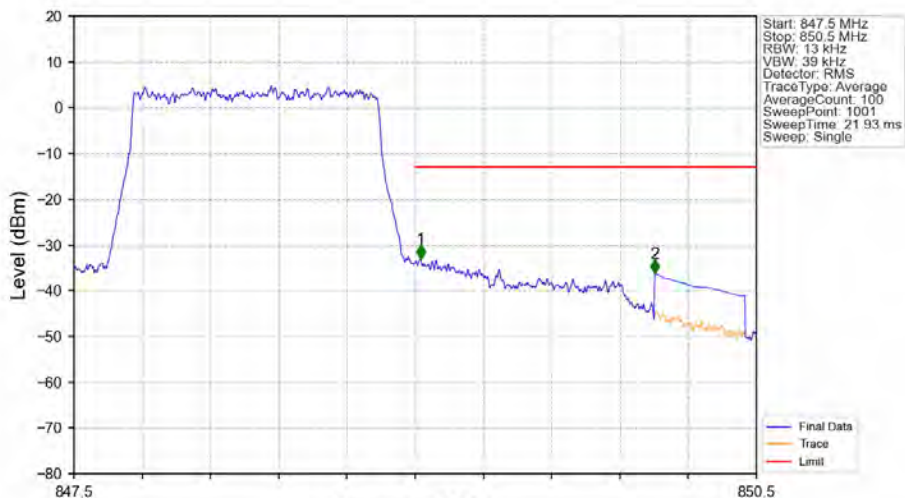
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Band26b 1.4MHz QPSK HCH 848.3MHz_RB_6_0 NTN



		Frequency (MHz)							
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result	
847.5	849	0.013	CHP	1	849.024	-33.07	-13	Pass	
849	850	0.013			850.053	-36.25	-13	Pass	
850	850.5	0.1							



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5.2 B26b_3MHz

5.2.1 Test Result

Band: 26b / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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



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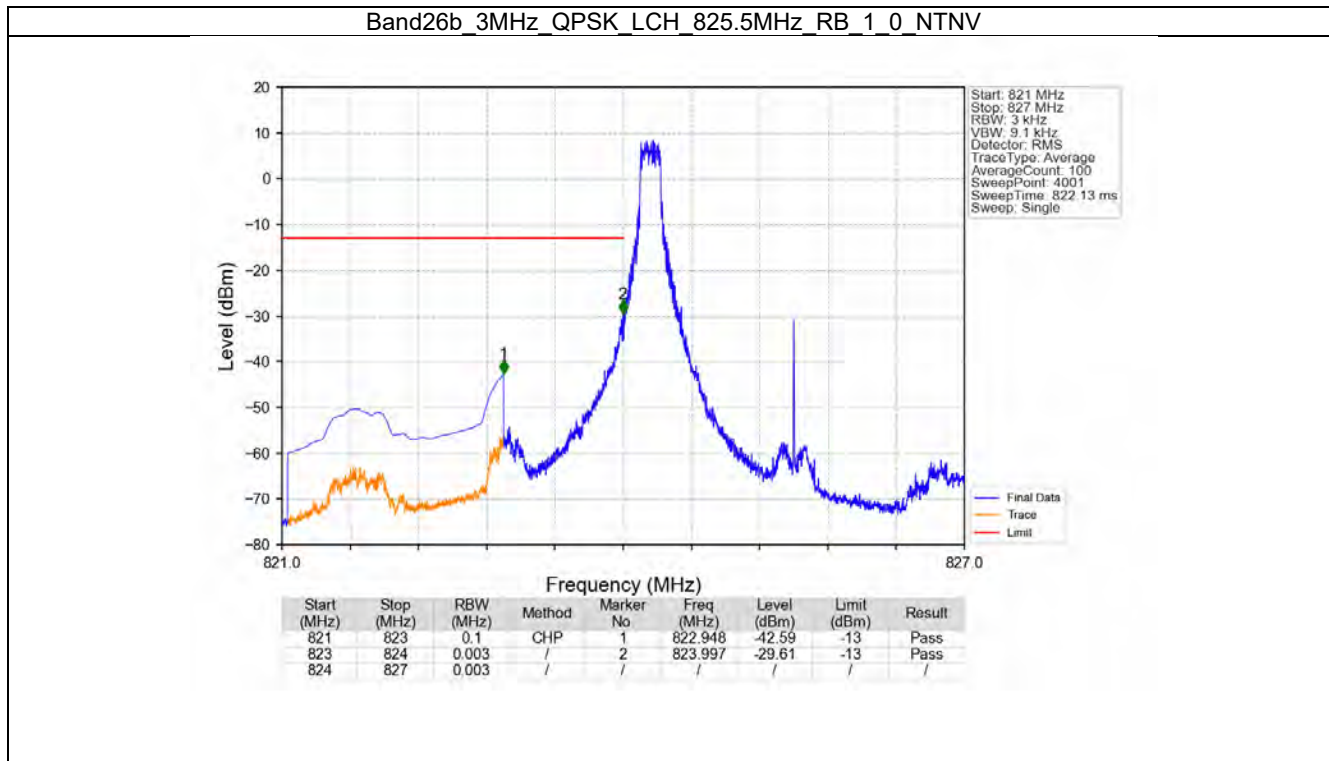
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5.2.2 Test Graph



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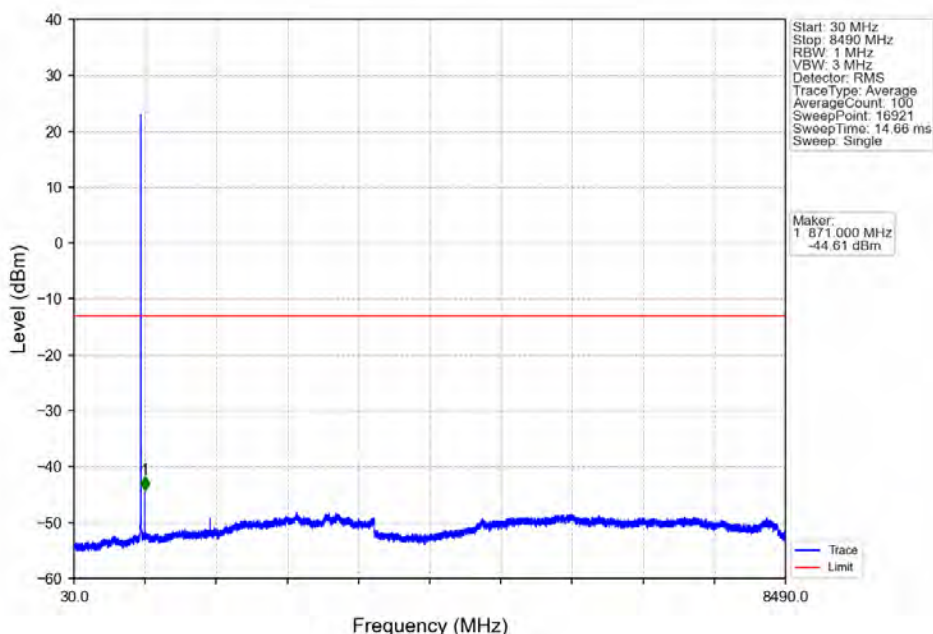
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Band26b_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



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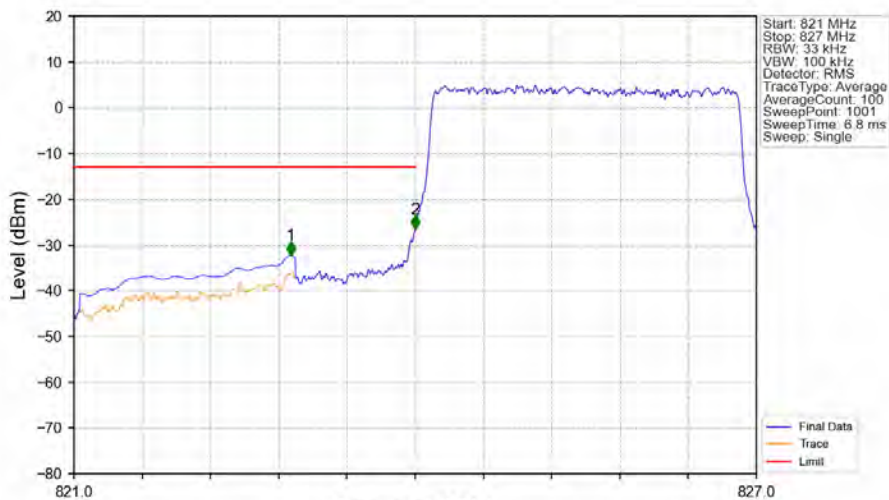
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Band26b_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.908	-32.30	-13	Pass
823	824	0.033	/	2	824.000	-26.60	-13	Pass
824	827	0.033	/	/	/	/	/	/



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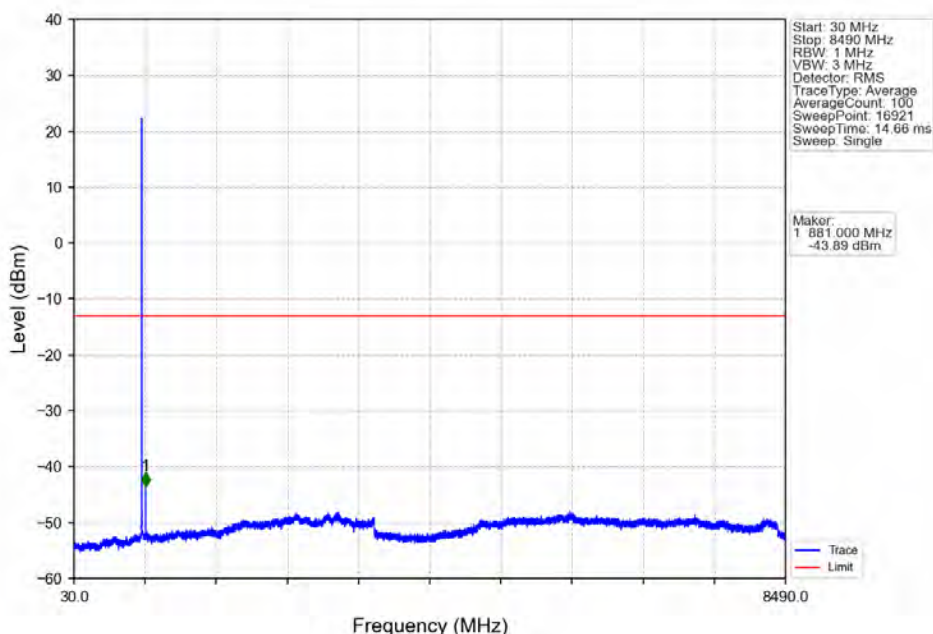
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Band26b_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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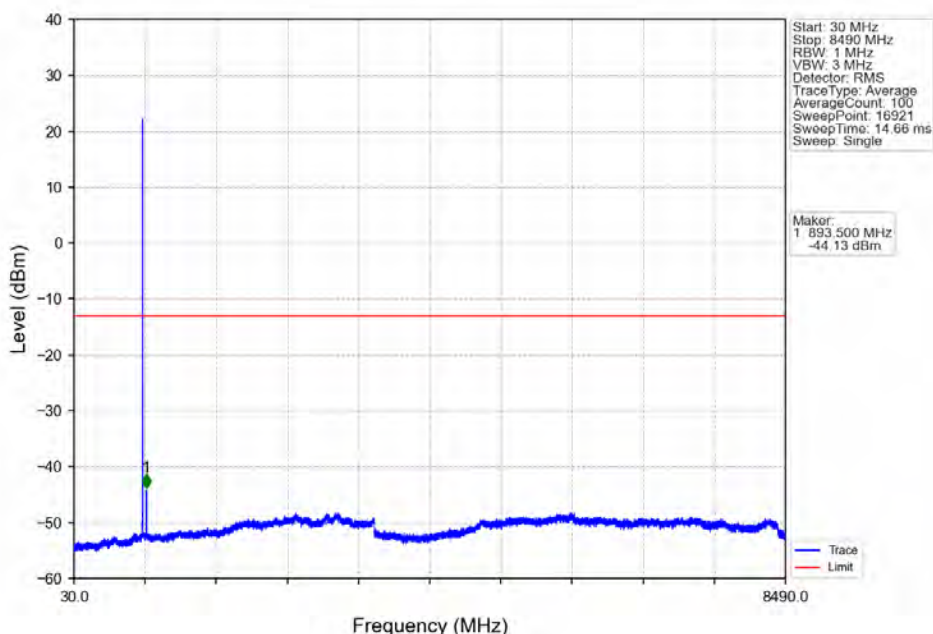
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Band26b_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



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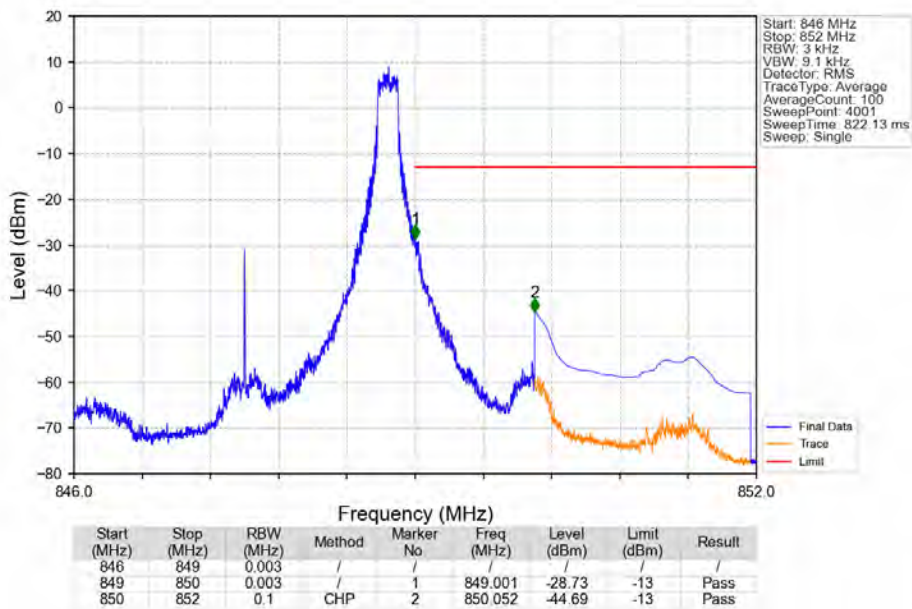
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Band26b_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



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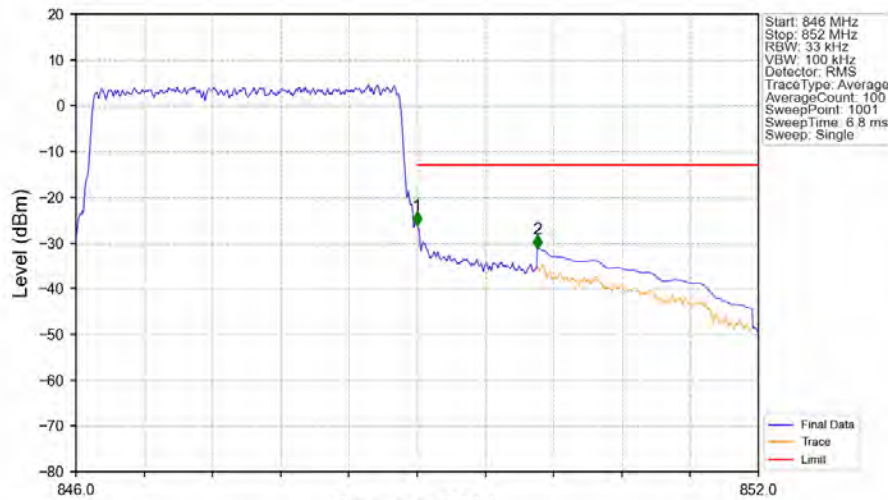
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Band26b_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.033	/	/	/	/	/	/
849	850	0.033	/	1	849.000	-26.16	-13	Pass
850	852	0.1	CHP	2	850.056	-31.28	-13	Pass



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5.3 B26b_5MHz

5.3.1 Test Result

Band: 26b / 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



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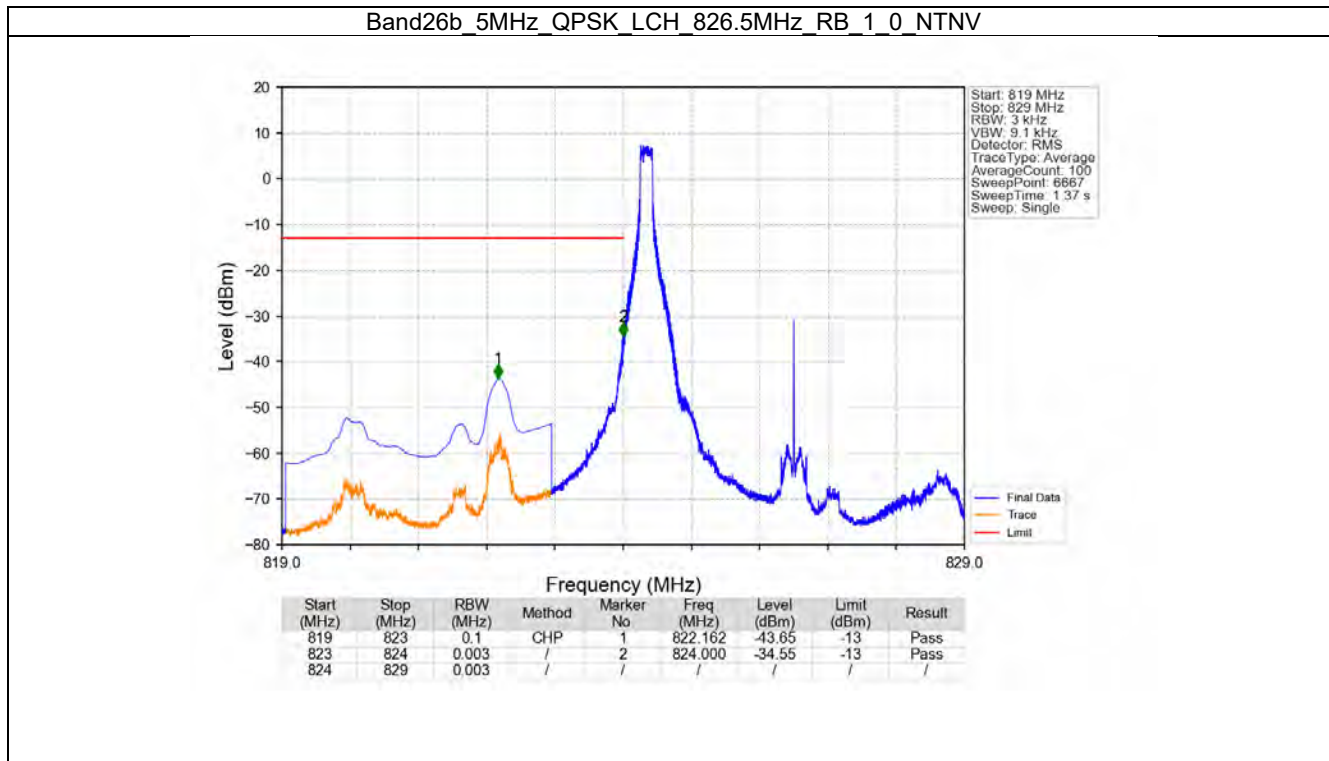
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5.3.2 Test Graph



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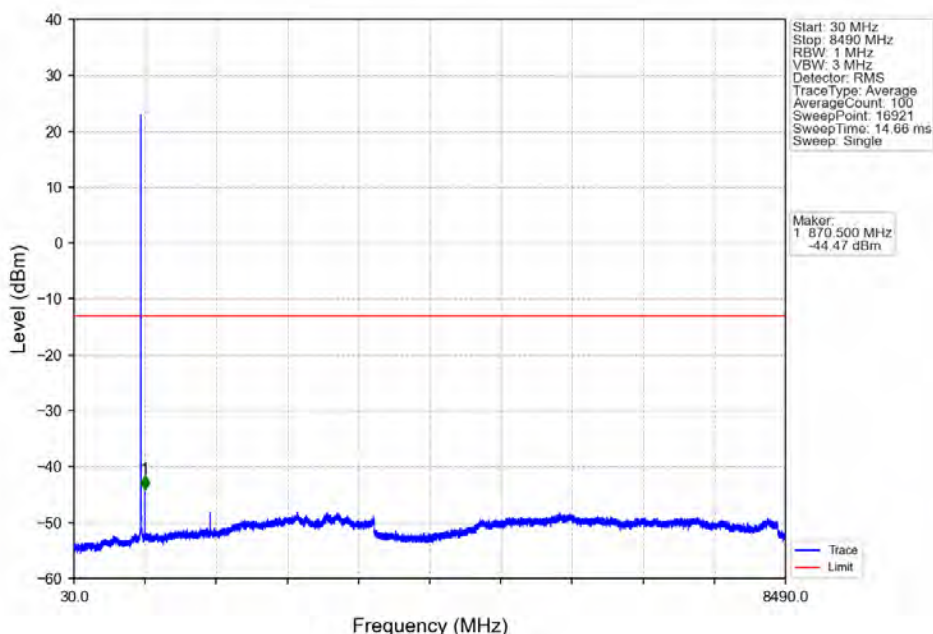
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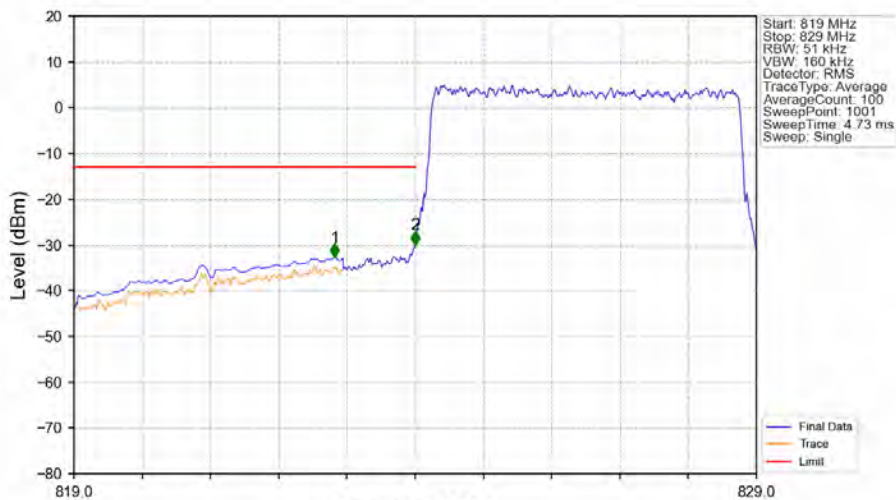
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Band26b_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.820	-32.72	-13	Pass
823	824	0.051	/	2	824.000	-30.02	-13	Pass
824	829	0.051	/	/	/	/	/	/



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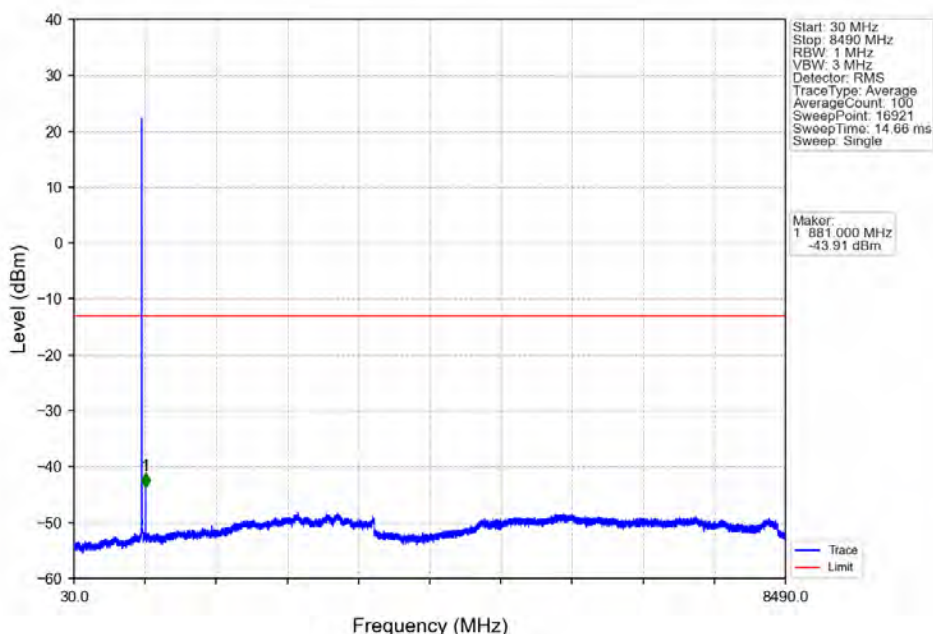
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Band26b_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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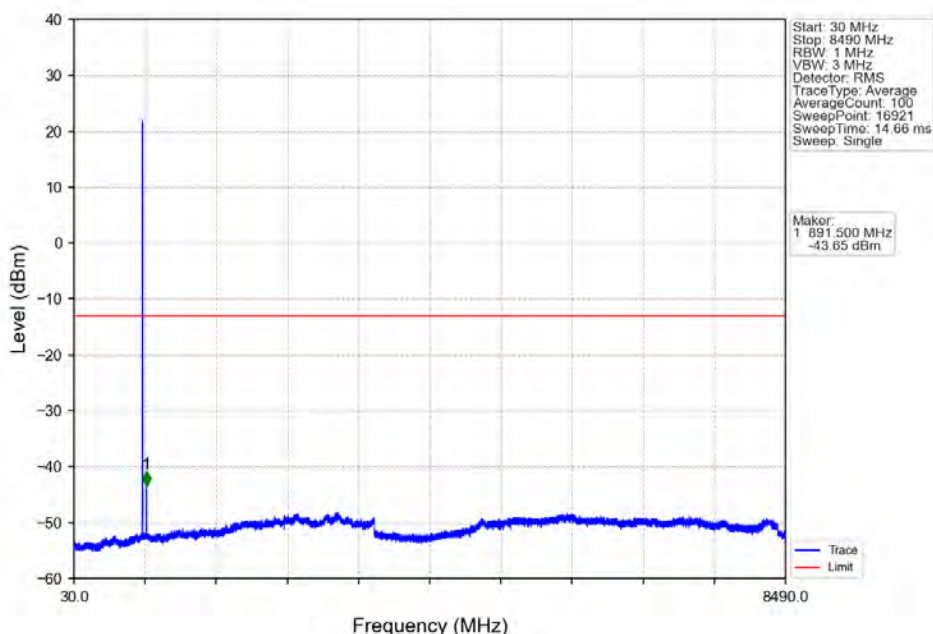
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Band26b_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV



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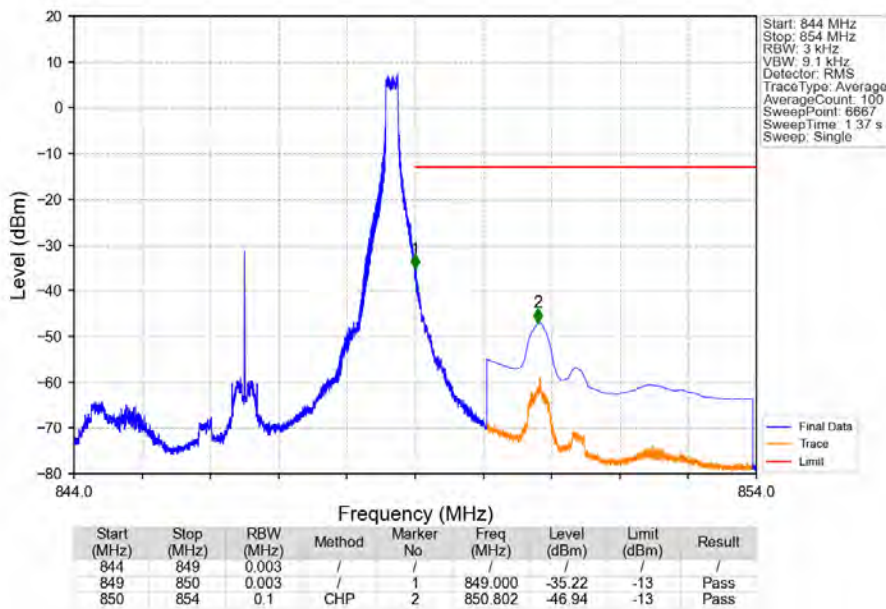
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Band26b_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



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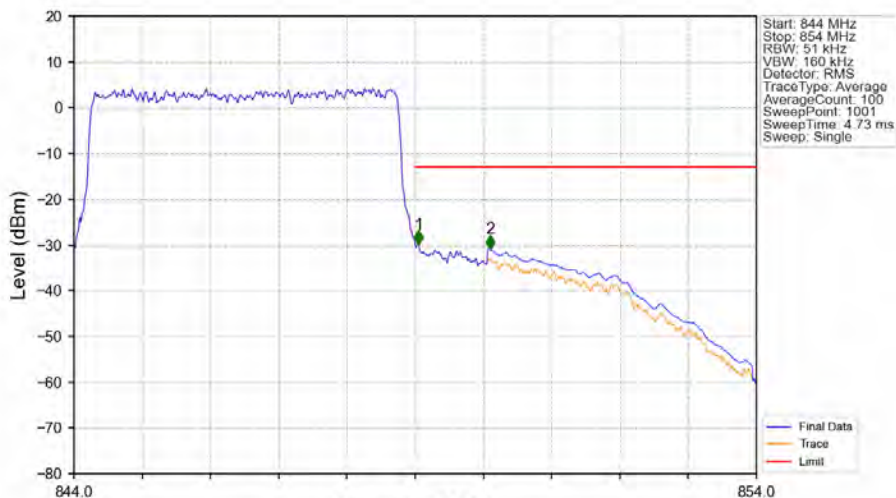
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Band26b_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.050	-29.86	-13	Pass
850	854	0.1	CHP	2	850.100	-30.89	-13	Pass



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5.4 B26b_10MHz

5.4.1 Test Result

Band: 26b / Bandwidth: 10MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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



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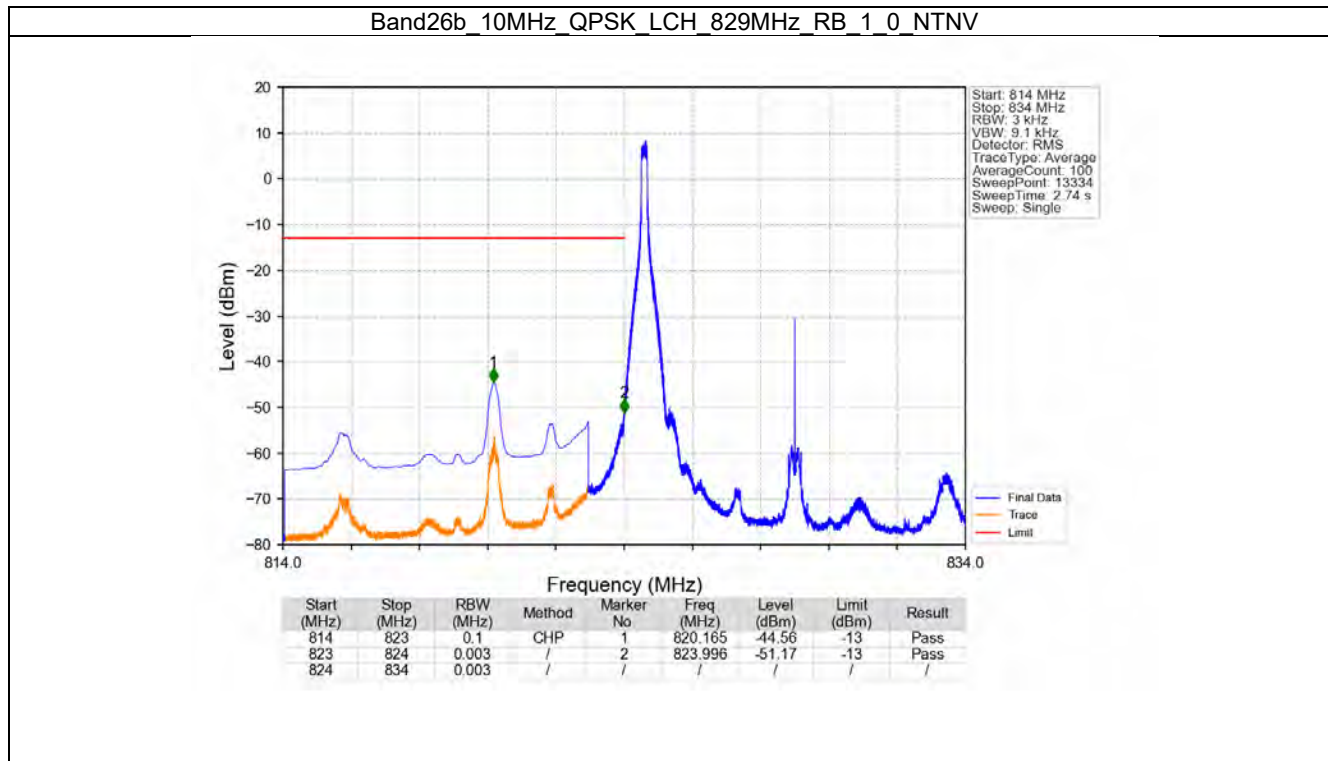
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5.4.2 Test Graph



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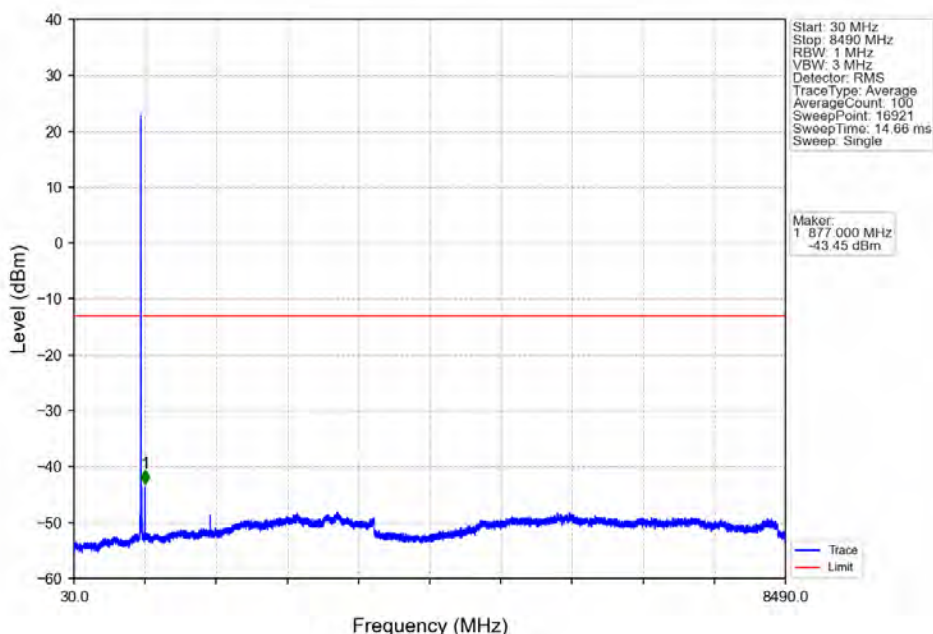
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Band26b_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV



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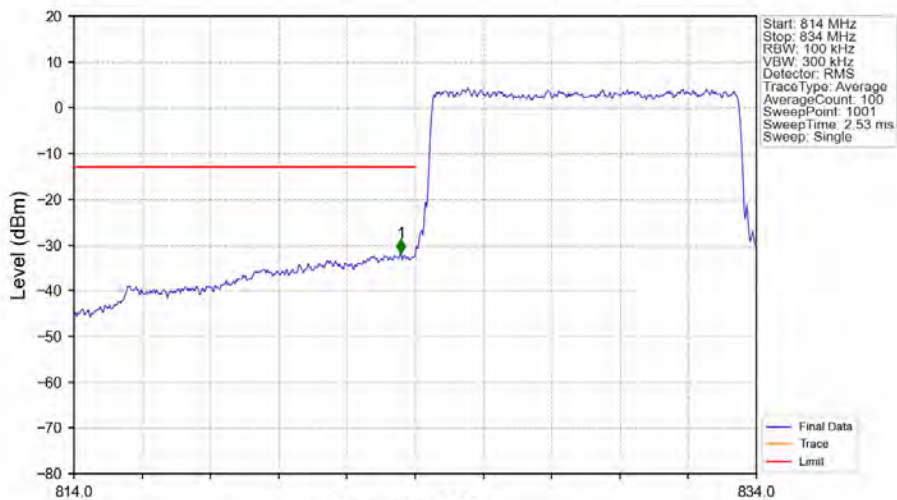
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Band26b_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	823.580	-31.81	-13	Pass
824	834	0.1	/	/	/	/	/	/



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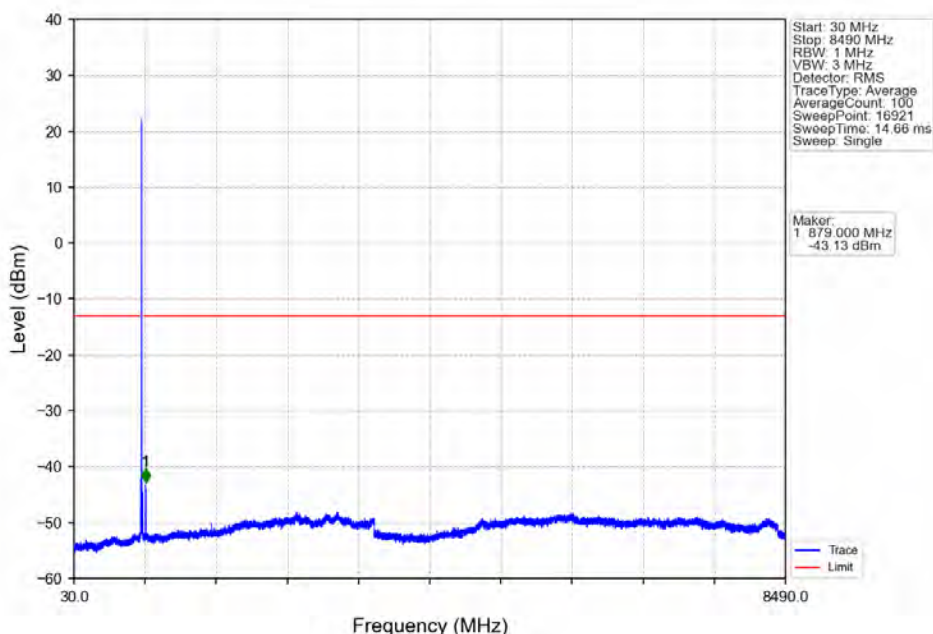
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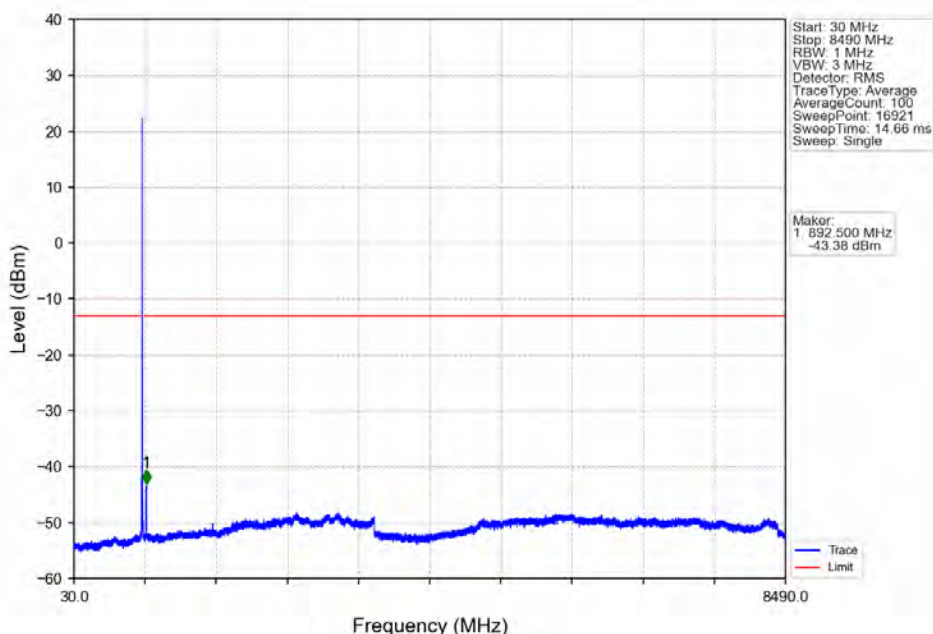
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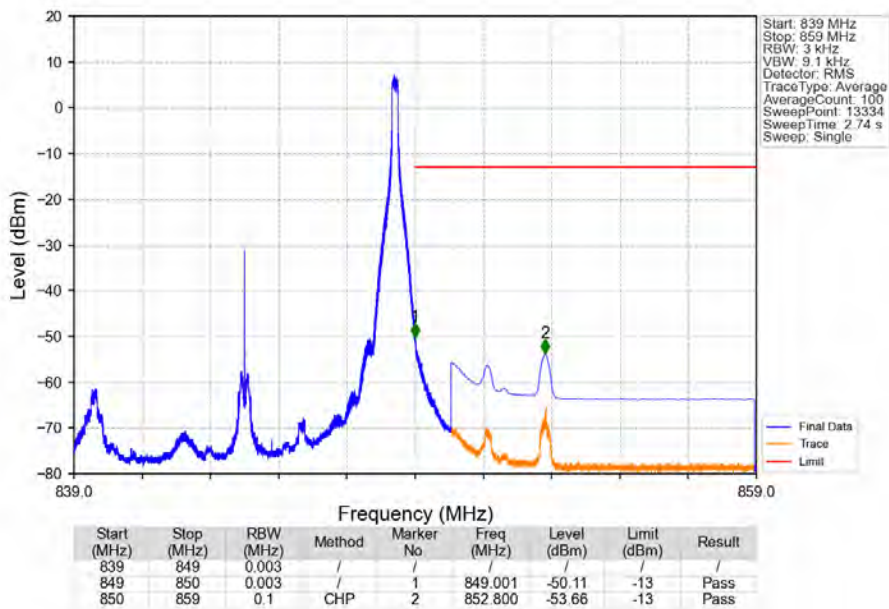
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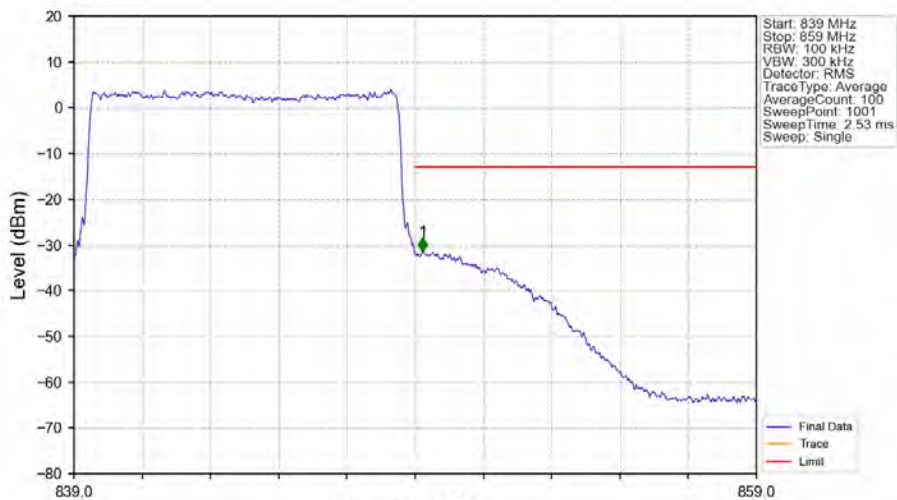
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	849.220	-31.47	-13	Pass



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5.5 B26b_15MHz

5.5.1 Test Result

Band: 26b / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	831.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	841.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass



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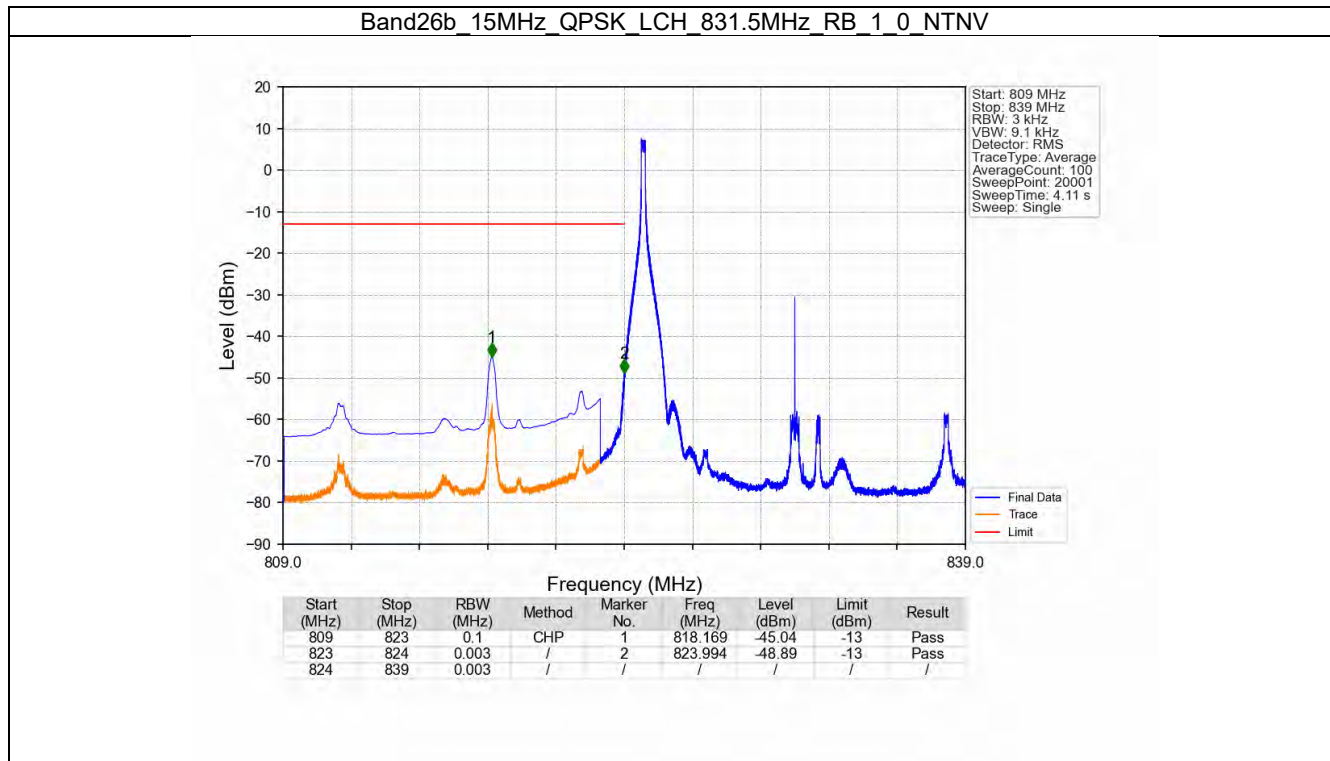
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5.5.2 Test Graph



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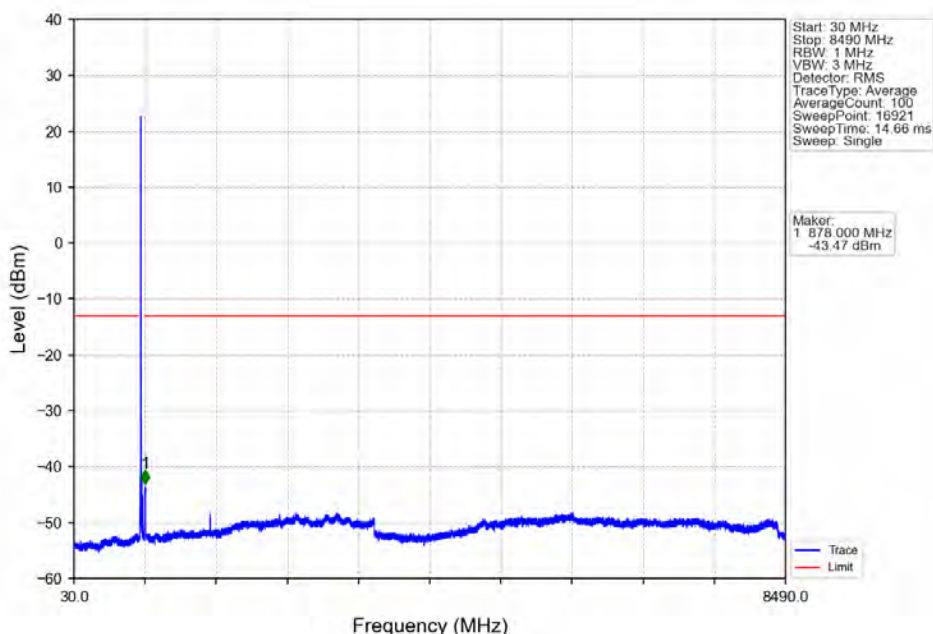
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Band26b_15MHz_QPSK_LCH_831.5MHz_RB_1_0_NTNV



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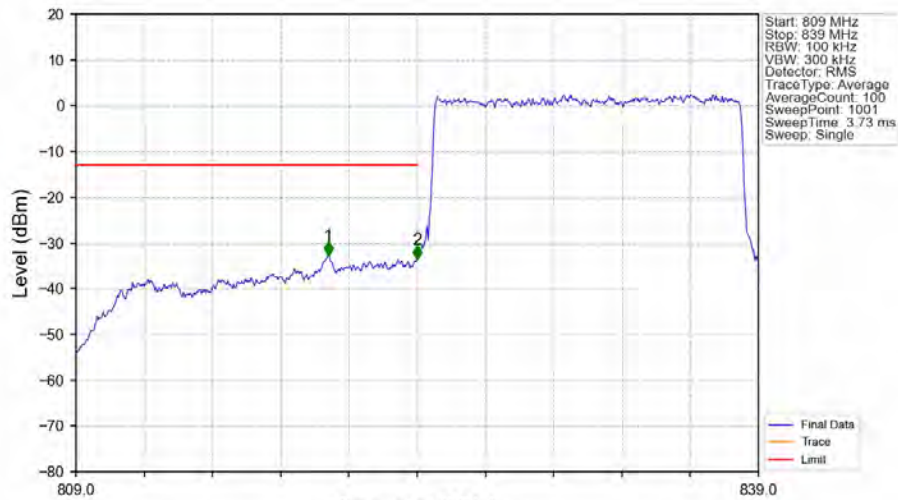
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Band26b_15MHz_QPSK_LCH_831.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	823	0.1	/	1	820.100	-32.71	-13	Pass
823	824	0.15	/	2	824.000	-33.58	-13	Pass
824	839	0.15	/	/	/	/	/	/



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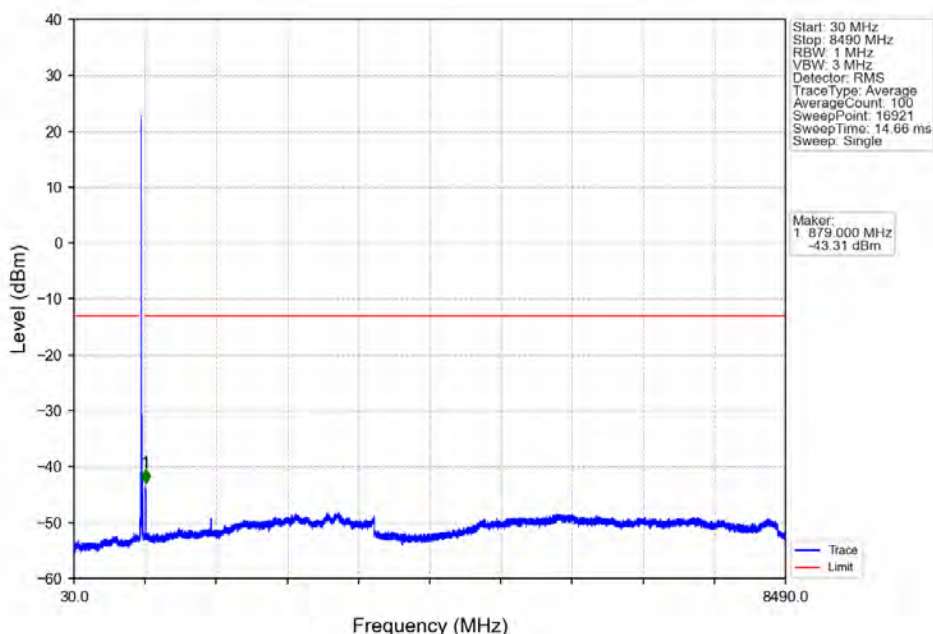
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Band26b_15MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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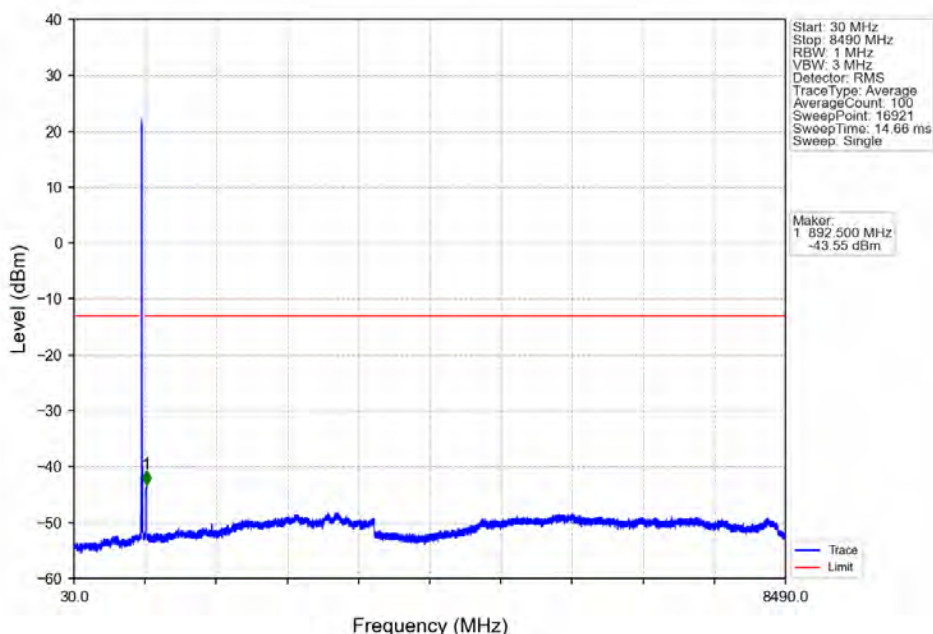
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Band26b_15MHz_QPSK_HCH_841.5MHz_RB_1_0_NTNV



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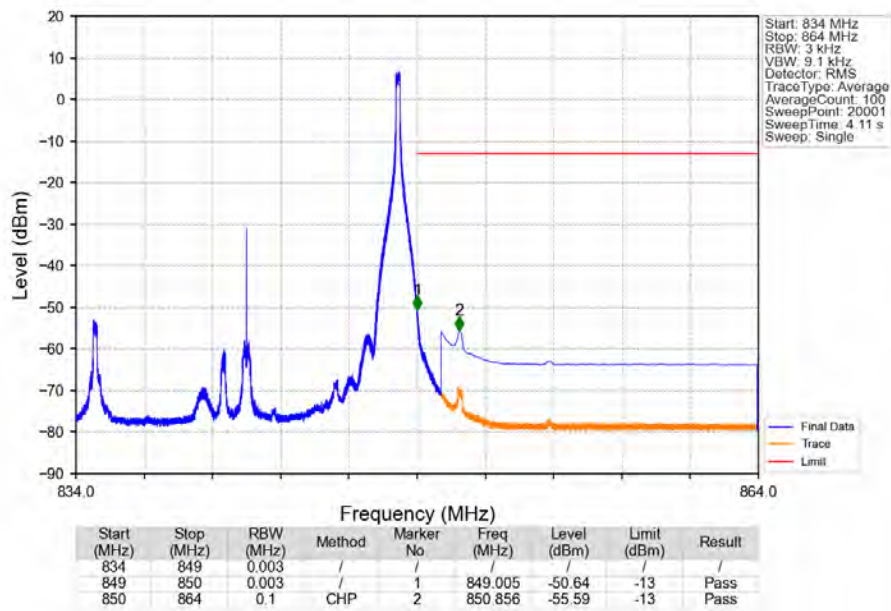
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Band26b_15MHz_QPSK_HCH_841.5MHz_RB_1_74_NTNV



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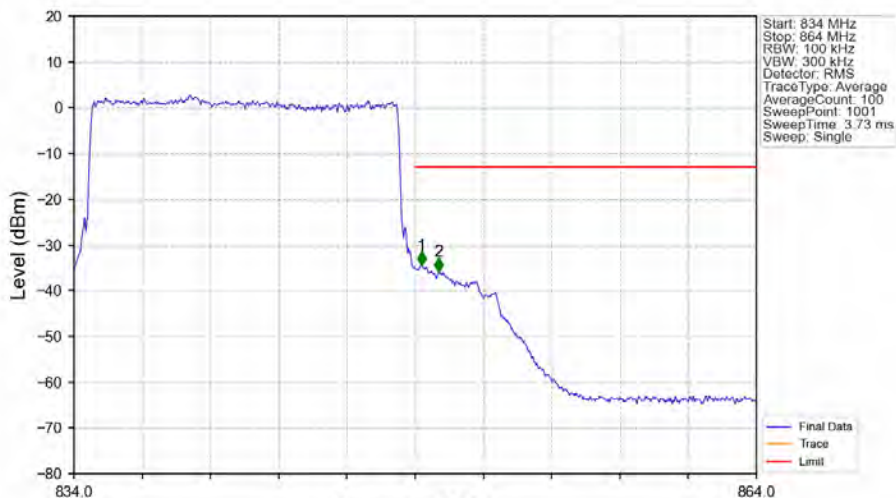
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Band26b_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.149	/	/	/	/	/	/
849	850	0.149	/	1	849.270	-34.50	-13	Pass
850	864	0.1	/	2	850.020	-35.84	-13	Pass



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6. Field Strength of Spurious Radiation

Test Band = LTE Band 26 BW=15M_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.68	40.49	-46.66	24.60	-76.83	-13.00	63.83	Horizontal
2	2474.52	37.72	-45.03	27.34	-75.23	-13.00	62.23	Horizontal
3	3299.36	35.82	-43.57	29.56	-73.45	-13.00	60.45	Horizontal
4	4124.2	35.57	-42.37	31.50	-70.56	-13.00	57.56	Horizontal
5	4949.04	34.44	-41.37	33.09	-69.10	-13.00	56.10	Horizontal
6	5773.88	33.44	-40.27	34.03	-68.06	-13.00	55.06	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.68	40.14	-46.66	24.60	-77.18	-13.00	64.18	Vertical
2	2474.52	36.64	-45.03	27.34	-76.31	-13.00	63.31	Vertical
3	3299.36	35.01	-43.57	29.56	-74.26	-13.00	61.26	Vertical
4	4124.2	34.64	-42.37	31.50	-71.49	-13.00	58.49	Vertical
5	4949.04	33.39	-41.37	33.09	-70.15	-13.00	57.15	Vertical
6	5773.88	32.41	-40.27	34.03	-69.09	-13.00	56.09	Vertical



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Test Band = LTE Band 26 BW=15M_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1659.68	40.55	-46.63	24.60	-76.74	-13.00	63.74	Horizontal
2	2489.52	36.60	-44.98	27.38	-76.27	-13.00	63.27	Horizontal
3	3319.36	35.70	-43.56	29.56	-73.55	-13.00	60.55	Horizontal
4	4149.2	35.01	-42.37	31.54	-71.08	-13.00	58.08	Horizontal
5	4979.04	34.80	-41.31	33.15	-68.61	-13.00	55.61	Horizontal
6	5805.88	33.38	-40.19	34.14	-67.93	-13.00	54.93	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1659.68	40.38	-46.63	24.60	-76.91	-13.00	63.91	Vertical
2	2489.52	36.25	-44.98	27.38	-76.62	-13.00	63.62	Vertical
3	3319.36	34.26	-43.56	29.56	-74.99	-13.00	61.99	Vertical
4	4149.2	33.52	-42.37	31.54	-72.57	-13.00	59.57	Vertical
5	4979.04	33.87	-41.31	33.15	-69.54	-13.00	56.54	Vertical
6	5805.88	32.65	-40.19	34.14	-68.66	-13.00	55.66	Vertical



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Test Band = LTE Band 26 BW=15M_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1669.68	40.60	-46.61	24.60	-76.67	-13.00	63.67	Horizontal
2	2504.52	36.57	-44.95	27.42	-76.22	-13.00	63.22	Horizontal
3	3339.36	35.21	-43.54	29.57	-74.02	-13.00	61.02	Horizontal
4	4174.2	34.15	-42.36	31.58	-71.89	-13.00	58.89	Horizontal
5	5009.04	35.08	-41.26	33.20	-68.24	-13.00	55.24	Horizontal
6	5843.88	34.12	-40.14	34.27	-67.01	-13.00	54.01	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1669.68	39.44	-46.61	24.60	-77.83	-13.00	64.83	Vertical
2	2504.52	36.27	-44.95	27.42	-76.52	-13.00	63.52	Vertical
3	3339.36	33.74	-43.54	29.57	-75.49	-13.00	62.49	Vertical
4	4174.2	33.70	-42.36	31.58	-72.34	-13.00	59.34	Vertical
5	5009.04	33.48	-41.26	33.20	-69.84	-13.00	56.84	Vertical
6	5843.88	32.64	-40.14	34.27	-68.49	-13.00	55.49	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) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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