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Appendix B.6

LTE Band 5



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1. Effective (Isotropic) Radiated Power Output Data

1.1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.89	25.06	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.67	24.84	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.67	24.84	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.83	24	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.72	24.89	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.76	24.93	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.7	24.87	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.77	23.94	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.66	24.83	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.7	24.87	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.69	24.86	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.85	24.02	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.02	24.19	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23	24.17	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.87	24.04	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.88	23.05	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.91	24.08	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.97	24.14	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.05	24.22	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.73	22.9	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.79	23.96	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.85	24.02	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.86	24.03	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.87	23.04	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.01	23.18	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.01	23.18	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	21.78	22.95	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	20.94	22.11	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	21.87	23.04	38.45	PASS



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Band5	1.4MHz	64QAM	20525	1RB#2	22.28	23.45	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.04	23.21	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.65	21.82	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	21.84	23.01	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.03	23.2	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	21.99	23.16	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	20.9	22.07	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#0	18.97	20.14	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#2	18.88	20.05	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#5	18.96	20.13	38.45	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	18.91	20.08	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#0	18.82	19.99	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#2	18.8	19.97	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#5	18.86	20.03	38.45	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	18.74	19.91	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#0	18.92	20.09	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#2	18.96	20.13	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#5	18.89	20.06	38.45	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	18.78	19.95	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.68	24.85	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.71	24.88	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.61	24.78	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.86	24.03	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.96	25.13	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.85	25.02	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.79	24.96	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.73	23.9	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.89	25.06	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.87	25.04	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.76	24.93	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.89	24.06	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.03	24.2	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.97	24.14	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.98	24.15	38.45	PASS



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Band5	3MHz	16QAM	20415	15RB#0	21.91	23.08	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.76	23.93	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.91	24.08	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.9	24.07	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.74	22.91	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.94	24.11	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.97	24.14	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.97	24.14	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.86	23.03	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	21.92	23.09	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.12	23.29	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	21.99	23.16	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	20.89	22.06	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	21.85	23.02	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.08	23.25	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.76	22.93	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.77	21.94	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	21.93	23.1	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	21.91	23.08	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	21.9	23.07	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	20.86	22.03	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#0	18.83	20	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#8	18.88	20.05	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#14	18.9	20.07	38.45	PASS
Band5	3MHz	256QAM	20415	15RB#0	18.86	20.03	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#0	18.82	19.99	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#8	19.02	20.19	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#14	18.9	20.07	38.45	PASS
Band5	3MHz	256QAM	20525	15RB#0	18.71	19.88	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#0	18.7	19.87	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#8	18.94	20.11	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#14	18.82	19.99	38.45	PASS
Band5	3MHz	256QAM	20635	15RB#0	18.82	19.99	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.88	25.05	38.45	PASS



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Band5	5MHz	QPSK	20425	1RB#12	23.73	24.9	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.79	24.96	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.95	24.12	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.2	24.37	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.85	25.02	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.69	24.86	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.86	24.03	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.24	24.41	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.74	24.91	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.81	24.98	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.79	23.96	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.02	24.19	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.98	24.15	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.84	24.01	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.82	22.99	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.8	23.97	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.01	24.18	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.88	24.05	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.84	23.01	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.85	24.02	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.82	23.99	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.19	24.36	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.67	22.84	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.11	23.28	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.1	23.27	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	21.8	22.97	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	20.84	22.01	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	21.89	23.06	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	21.84	23.01	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	21.97	23.14	38.45	PASS
Band5	5MHz	64QAM	20525	25RB#0	20.77	21.94	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	21.98	23.15	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.02	23.19	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	21.94	23.11	38.45	PASS



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Band5	5MHz	256QAM	20425	1RB#0	18.94	20.11	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#12	18.96	20.13	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#24	18.68	19.85	38.45	PASS
Band5	5MHz	256QAM	20425	25RB#0	18.84	20.01	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#0	18.78	19.95	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#12	18.91	20.08	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#24	18.95	20.12	38.45	PASS
Band5	5MHz	256QAM	20525	25RB#0	18.86	20.03	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#0	18.82	19.99	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#12	18.89	20.06	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#24	18.8	19.97	38.45	PASS
Band5	5MHz	256QAM	20625	25RB#0	18.73	19.9	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.78	24.95	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.73	24.9	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.65	24.82	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.87	24.04	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.44	24.61	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.82	24.99	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.74	24.91	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.8	23.97	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.31	24.48	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.85	25.02	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.73	24.9	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.88	24.05	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.02	24.19	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.9	24.07	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.7	23.87	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.71	22.88	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.86	24.03	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.87	24.04	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.93	24.1	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.83	23	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.8	23.97	38.45	PASS



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Band5	10MHz	16QAM	20600	1RB#24	22.9	24.07	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.02	24.19	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.93	23.1	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.15	23.32	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	21.82	22.99	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	21.83	23	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	20.86	22.03	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.09	23.26	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.06	23.23	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	21.98	23.15	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.73	21.9	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.14	23.31	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	21.89	23.06	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	21.8	22.97	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	20.89	22.06	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#0	18.93	20.1	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#24	18.89	20.06	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#49	18.9	20.07	38.45	PASS
Band5	10MHz	256QAM	20450	50RB#0	18.85	20.02	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#0	18.68	19.85	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#24	18.89	20.06	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#49	19.06	20.23	38.45	PASS
Band5	10MHz	256QAM	20525	50RB#0	18.87	20.04	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#0	19	20.17	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#24	18.95	20.12	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#49	18.89	20.06	38.45	PASS
Band5	10MHz	256QAM	20600	50RB#0	18.93	20.1	38.45	PASS



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2. Frequency Stability

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	3.135	-1.042	-0.0013	-2.5 to 2.5	Pass
					3.7	-1.598	-0.0019	-2.5 to 2.5	Pass
					4.4	0.561	0.0007	-2.5 to 2.5	Pass
				-30	3.7	-0.484	-0.0006	-2.5 to 2.5	Pass
				-20	3.7	0.407	0.0005	-2.5 to 2.5	Pass
				-10	3.7	1.900	0.0023	-2.5 to 2.5	Pass
				0	3.7	3.019	0.0036	-2.5 to 2.5	Pass
				10	3.7	0.402	0.0005	-2.5 to 2.5	Pass
				30	3.7	0.032	0.0000	-2.5 to 2.5	Pass
				40	3.7	0.414	0.0005	-2.5 to 2.5	Pass
				50	3.7	2.040	0.0025	-2.5 to 2.5	Pass
	836.5	50	0	20	3.135	1.319	0.0016	-2.5 to 2.5	Pass
					3.7	-0.060	-0.0001	-2.5 to 2.5	Pass
					4.4	-0.274	-0.0003	-2.5 to 2.5	Pass
				-30	3.7	0.351	0.0004	-2.5 to 2.5	Pass
				-20	3.7	-0.192	-0.0002	-2.5 to 2.5	Pass
				-10	3.7	0.184	0.0002	-2.5 to 2.5	Pass
				0	3.7	0.049	0.0001	-2.5 to 2.5	Pass
				10	3.7	0.460	0.0005	-2.5 to 2.5	Pass
				30	3.7	0.436	0.0005	-2.5 to 2.5	Pass
				40	3.7	-0.819	-0.0010	-2.5 to 2.5	Pass
				50	3.7	-1.729	-0.0021	-2.5 to 2.5	Pass
	844	50	0	20	3.135	-1.072	-0.0013	-2.5 to 2.5	Pass
					3.7	0.143	0.0002	-2.5 to 2.5	Pass
					4.4	-0.056	-0.0001	-2.5 to 2.5	Pass
				-30	3.7	1.645	0.0019	-2.5 to 2.5	Pass
				-20	3.7	-0.804	-0.0010	-2.5 to 2.5	Pass
				-10	3.7	-0.344	-0.0004	-2.5 to 2.5	Pass
				0	3.7	-0.520	-0.0006	-2.5 to 2.5	Pass
				10	3.7	-0.364	-0.0004	-2.5 to 2.5	Pass
				30	3.7	1.671	0.0020	-2.5 to 2.5	Pass
				40	3.7	-1.263	-0.0015	-2.5 to 2.5	Pass
				50	3.7	1.488	0.0018	-2.5 to 2.5	Pass



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3. Field Strength of Spurious Radiation

For report SUCR240400009001:

Test Band = LTE_B5

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649	62.94	-53.12	25.90	-59.54	-13.00	46.54	Horizontal
2	2474	61.06	-51.87	27.95	-58.12	-13.00	45.12	Horizontal
3	4042	52.68	-48.27	30.93	-59.92	-13.00	46.92	Horizontal
4	5084	51.95	-44.56	33.47	-54.40	-13.00	41.40	Horizontal
5	7897	49.92	-41.69	37.38	-49.65	-13.00	36.65	Horizontal
6	9508.5	49.58	-39.29	39.18	-45.79	-13.00	32.79	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1146	54.91	-53.60	25.89	-68.06	-13.00	55.06	Vertical
2	1644	54.43	-53.16	25.89	-68.10	-13.00	55.10	Vertical
3	2841.5	53.16	-50.66	28.85	-63.91	-13.00	50.91	Vertical
4	4547.5	52.42	-46.21	32.09	-56.96	-13.00	43.96	Vertical
5	6566.5	50.67	-44.13	35.27	-53.45	-13.00	40.45	Vertical
6	9088	48.72	-39.73	38.70	-47.57	-13.00	34.57	Vertical



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Test Band = LTE_B5
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1664	60.46	-53.14	25.87	-62.07	-13.00	49.07	Horizontal
2	2496	59.07	-51.82	27.99	-60.02	-13.00	47.02	Horizontal
3	3990	52.25	-48.15	31.06	-60.10	-13.00	47.10	Horizontal
4	5719	51.47	-44.54	33.65	-54.68	-13.00	41.68	Horizontal
5	8047.5	49.41	-41.11	37.59	-49.37	-13.00	36.37	Horizontal
6	9497.5	49.21	-39.30	39.19	-46.16	-13.00	33.16	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1167	54.91	-53.66	25.80	-68.21	-13.00	55.21	Vertical
2	2395	54.38	-52.18	27.81	-65.25	-13.00	52.25	Vertical
3	3286.5	52.81	-49.85	30.67	-61.63	-13.00	48.63	Vertical
4	4790	51.28	-44.66	32.36	-56.28	-13.00	43.28	Vertical
5	7376	49.65	-42.41	36.85	-51.17	-13.00	38.17	Vertical
6	9563.5	48.97	-39.27	39.13	-46.43	-13.00	33.43	Vertical



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Test Band = LTE_B5
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1679	59.13	-53.18	25.84	-63.47	-13.00	50.47	Horizontal
2	2519	57.37	-51.73	28.11	-61.51	-13.00	48.51	Horizontal
3	3267	52.82	-49.97	30.63	-61.78	-13.00	48.78	Horizontal
4	4672	51.94	-45.63	31.91	-57.04	-13.00	44.04	Horizontal
5	5529	51.15	-44.36	33.16	-55.31	-13.00	42.31	Horizontal
6	7371	50.00	-42.50	36.86	-50.90	-13.00	37.90	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1256.5	55.21	-53.94	25.69	-68.30	-13.00	55.30	Vertical
2	1779.5	55.29	-53.12	25.62	-67.47	-13.00	54.47	Vertical
3	2456	53.80	-51.92	27.91	-65.47	-13.00	52.47	Vertical
4	3643.5	53.14	-49.51	30.37	-61.26	-13.00	48.26	Vertical
5	5131.5	51.98	-44.90	33.56	-54.62	-13.00	41.62	Vertical
6	8554.5	49.02	-40.80	39.02	-48.02	-13.00	35.02	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



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For report SUCR240400008901:

Test Band = LTE_5_TM1
Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649	53.46	-46.87	25.49	-63.18	-13.00	50.18	Horizontal
2	2474	56.01	-45.63	27.70	-57.18	-13.00	44.18	Horizontal
3	3807	45.78	-44.19	29.79	-63.88	-13.00	50.88	Horizontal
4	6075.5	44.85	-40.64	33.45	-57.60	-13.00	44.60	Horizontal
5	7693.5	42.83	-37.53	36.77	-53.19	-13.00	40.19	Horizontal
6	9969	42.15	-34.97	38.67	-49.41	-13.00	36.41	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1130.5	51.75	-47.29	24.42	-66.38	-13.00	53.38	Vertical
2	1649	51.09	-46.87	25.49	-65.55	-13.00	52.55	Vertical
3	2473.5	55.91	-45.63	27.69	-57.29	-13.00	44.29	Vertical
4	4289	45.58	-42.76	29.57	-62.87	-13.00	49.87	Vertical
5	7424	43.25	-37.97	36.75	-53.23	-13.00	40.23	Vertical
6	9784.5	41.33	-34.97	38.44	-50.46	-13.00	37.46	Vertical



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Test Band = LTE_5_TM1
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1084	49.81	-47.14	24.24	-68.35	-13.00	55.35	Horizontal
2	1664	52.35	-46.85	25.39	-64.37	-13.00	51.37	Horizontal
3	2496.5	55.22	-45.77	27.79	-58.02	-13.00	45.02	Horizontal
4	4381.5	45.70	-43.29	30.03	-62.82	-13.00	49.82	Horizontal
5	7452	42.95	-37.70	36.80	-53.21	-13.00	40.21	Horizontal
6	9925.5	41.51	-34.98	38.63	-50.10	-13.00	37.10	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1126	52.72	-47.27	24.40	-65.41	-13.00	52.41	Vertical
2	1664	53.18	-46.85	25.39	-63.54	-13.00	50.54	Vertical
3	2496.5	57.88	-45.77	27.79	-55.36	-13.00	42.36	Vertical
4	4171.5	46.44	-43.70	29.49	-63.03	-13.00	50.03	Vertical
5	7168	43.36	-38.45	36.47	-53.88	-13.00	40.88	Vertical
6	9984	41.93	-35.01	38.68	-49.66	-13.00	36.66	Vertical



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Test Band = LTE_5_TM1
Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1099	49.49	-47.18	24.30	-68.65	-13.00	55.65	Horizontal
2	1679	48.75	-46.82	25.27	-68.06	-13.00	55.06	Horizontal
3	2518.5	53.61	-45.66	27.80	-59.51	-13.00	46.51	Horizontal
4	4266	45.82	-43.04	29.70	-62.78	-13.00	49.78	Horizontal
5	7446.5	43.10	-37.72	36.79	-53.09	-13.00	40.09	Horizontal
6	9514.5	41.88	-35.07	37.80	-50.65	-13.00	37.65	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1126	51.53	-47.27	24.40	-66.60	-13.00	53.60	Vertical
2	1679	52.48	-46.82	25.27	-64.33	-13.00	51.33	Vertical
3	2518.5	54.59	-45.66	27.80	-58.53	-13.00	45.53	Vertical
4	4281	45.85	-42.86	29.61	-62.66	-13.00	49.66	Vertical
5	6785	43.67	-39.14	35.34	-55.39	-13.00	42.39	Vertical
6	9516	42.03	-35.08	37.80	-50.51	-13.00	37.51	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



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4. 99% & 26dB Bandwidth

4.1 Band5_OBW

4.1.1 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	1.132	/	Pass
		836.5	6	0	1.119	/	Pass
		848.3	6	0	1.116	/	Pass
	16QAM	824.7	6	0	1.129	/	Pass
		836.5	6	0	1.144	/	Pass
		848.3	6	0	1.132	/	Pass
	64QAM	824.7	6	0	1.123	/	Pass
		836.5	6	0	1.129	/	Pass
		848.3	6	0	1.109	/	Pass
	256QAM	824.7	6	0	1.132	/	Pass
		836.5	6	0	1.117	/	Pass
		848.3	6	0	1.110	/	Pass
3	QPSK	825.5	15	0	2.749	/	Pass
		836.5	15	0	2.749	/	Pass
		847.5	15	0	2.756	/	Pass
	16QAM	825.5	15	0	2.731	/	Pass
		836.5	15	0	2.746	/	Pass
		847.5	15	0	2.735	/	Pass
	64QAM	825.5	15	0	2.748	/	Pass
		836.5	15	0	2.753	/	Pass
		847.5	15	0	2.734	/	Pass
	256QAM	825.5	15	0	2.748	/	Pass
		836.5	15	0	2.731	/	Pass
		847.5	15	0	2.751	/	Pass
5	QPSK	826.5	25	0	4.578	/	Pass
		836.5	25	0	4.570	/	Pass
		846.5	25	0	4.564	/	Pass
	16QAM	826.5	25	0	4.574	/	Pass
		836.5	25	0	4.589	/	Pass
		846.5	25	0	4.585	/	Pass
	64QAM	826.5	25	0	4.562	/	Pass
		836.5	25	0	4.564	/	Pass
		846.5	25	0	4.561	/	Pass
	256QAM	826.5	25	0	4.564	/	Pass
		836.5	25	0	4.580	/	Pass
		846.5	25	0	4.575	/	Pass
10	QPSK	829	50	0	9.075	/	Pass
		836.5	50	0	9.064	/	Pass
		844	50	0	9.080	/	Pass



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	16QAM	829	50	0	9.055	/	Pass
		836.5	50	0	9.084	/	Pass
		844	50	0	9.099	/	Pass
	64QAM	829	50	0	9.100	/	Pass
		836.5	50	0	9.046	/	Pass
		844	50	0	9.075	/	Pass
	256QAM	829	50	0	9.068	/	Pass
		836.5	50	0	9.045	/	Pass
		844	50	0	9.056	/	Pass



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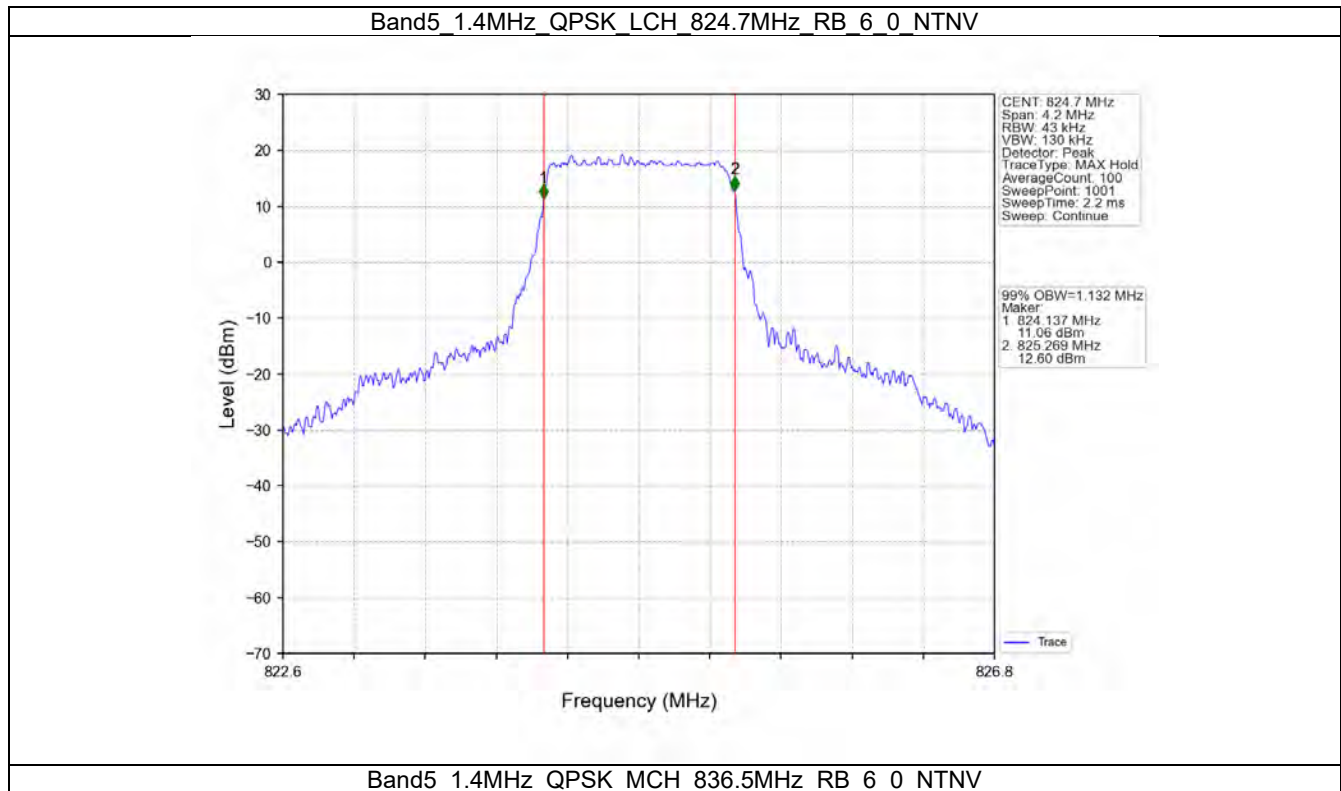
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4.1.2 Test Graph



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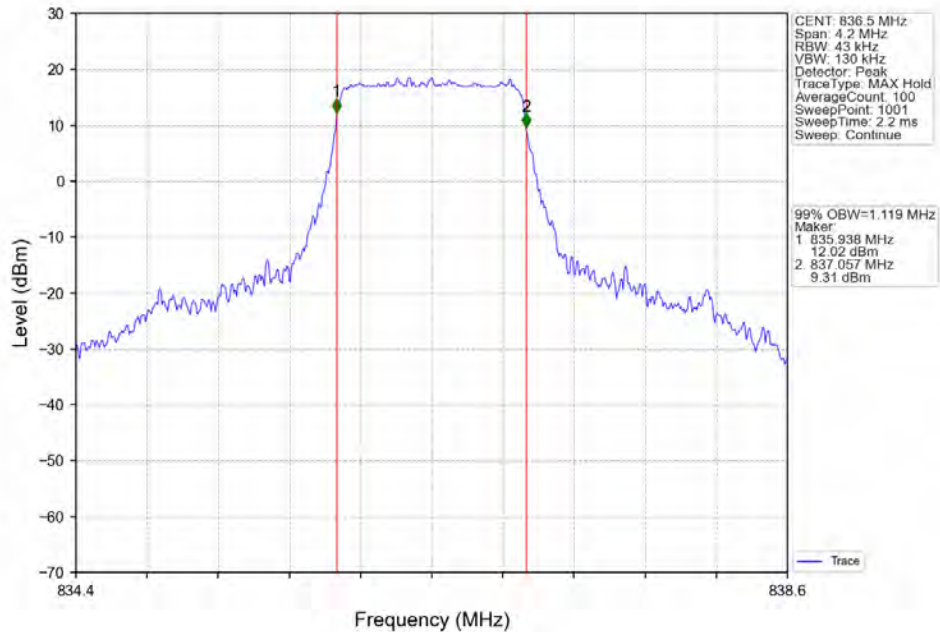
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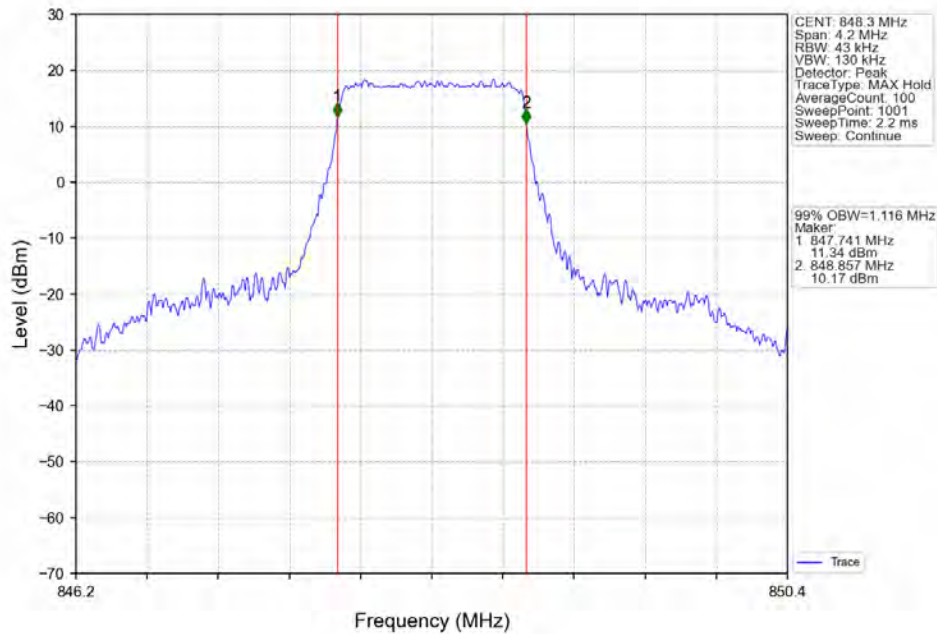
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Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



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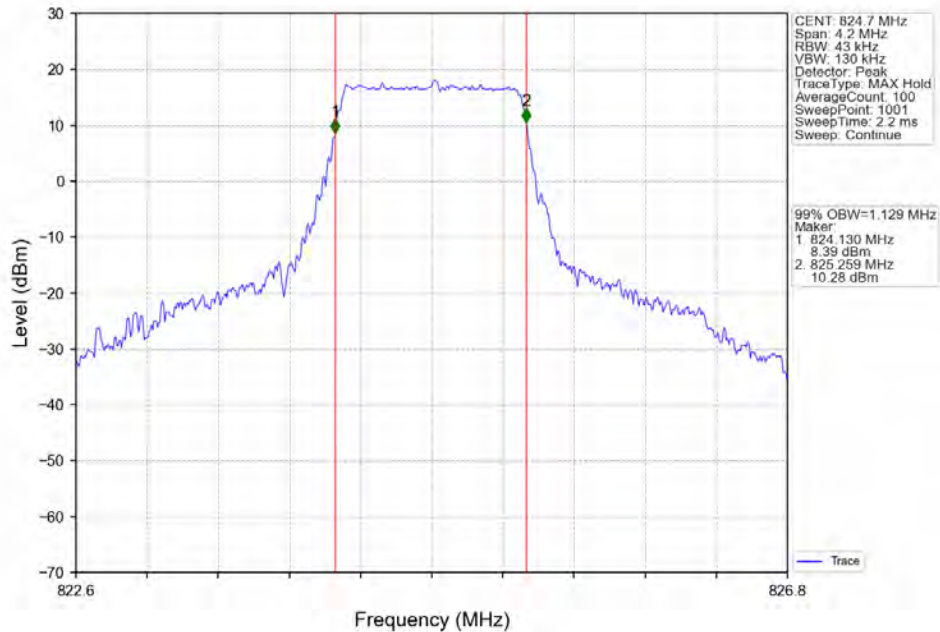
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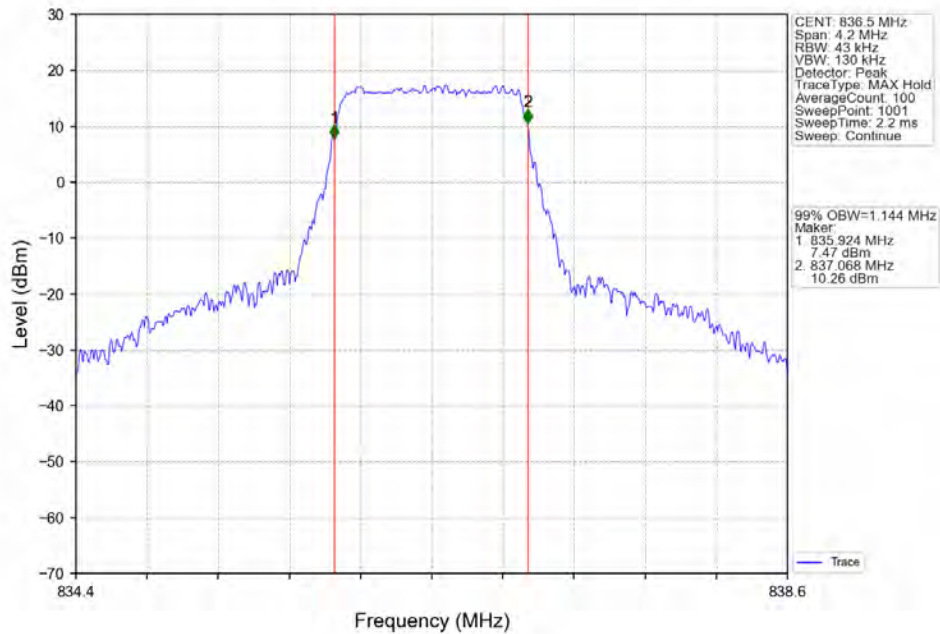
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Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



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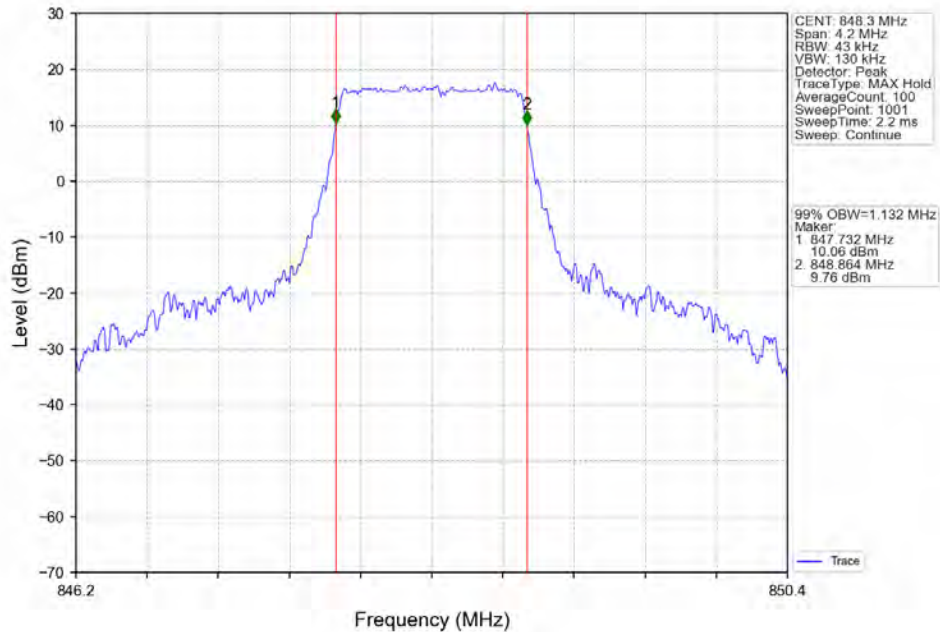
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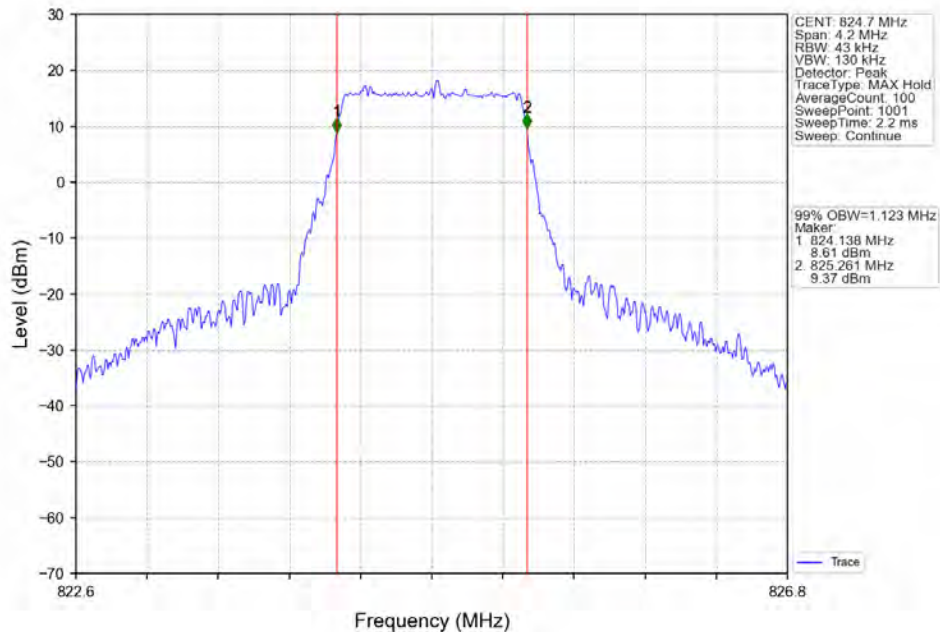
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Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



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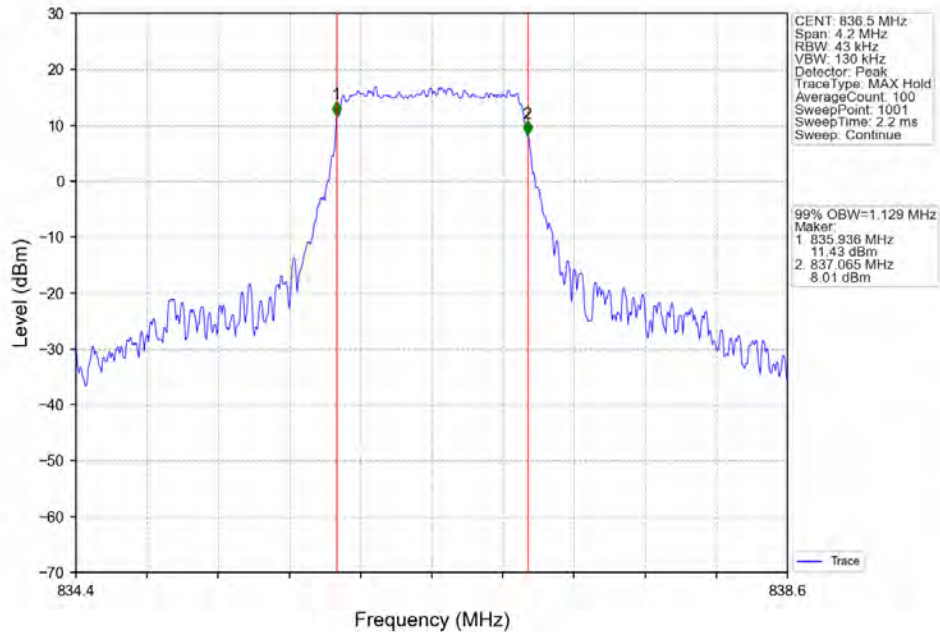
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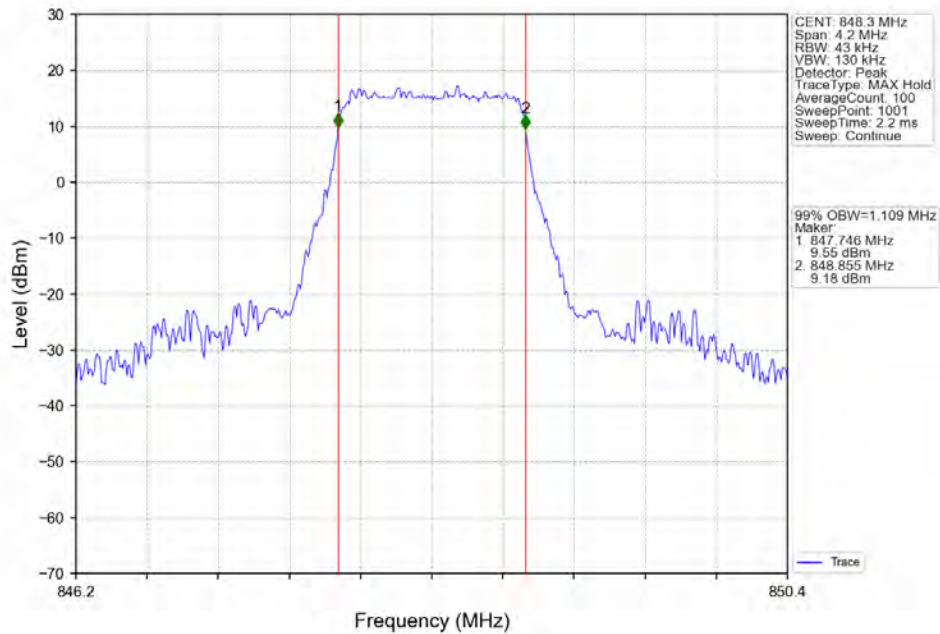
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Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



Band5_1.4MHz_256QAM_LCH_824.7MHz_RB_6_0_NTNV



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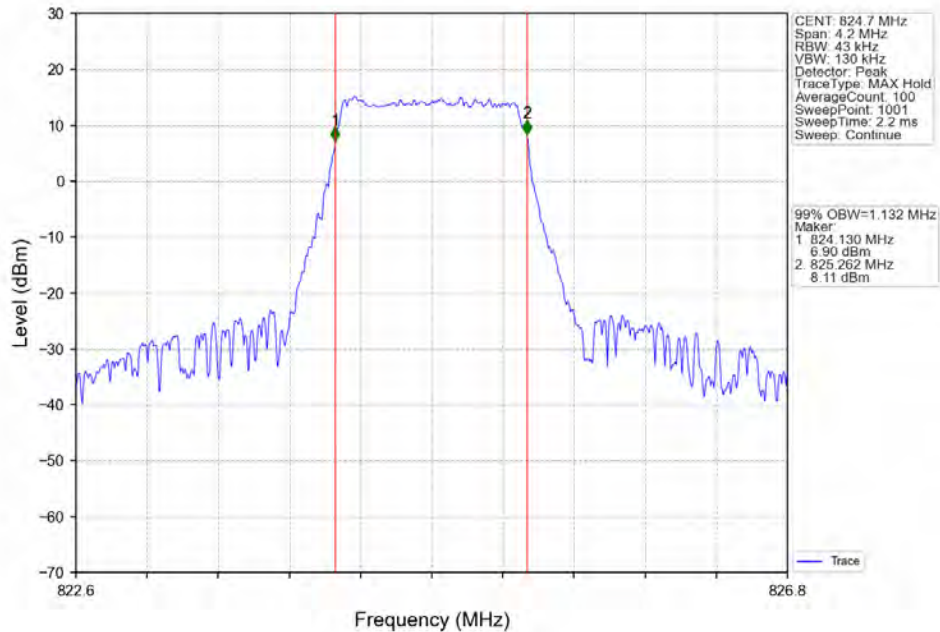
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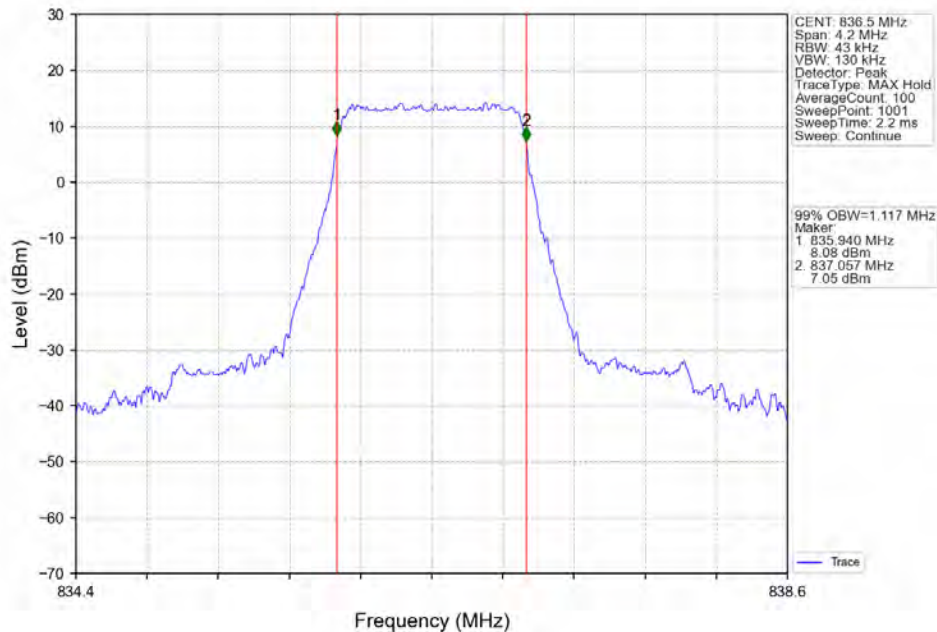
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Band5_1.4MHz_256QAM_HCH_848.3MHz_RB_6_0_NTNV



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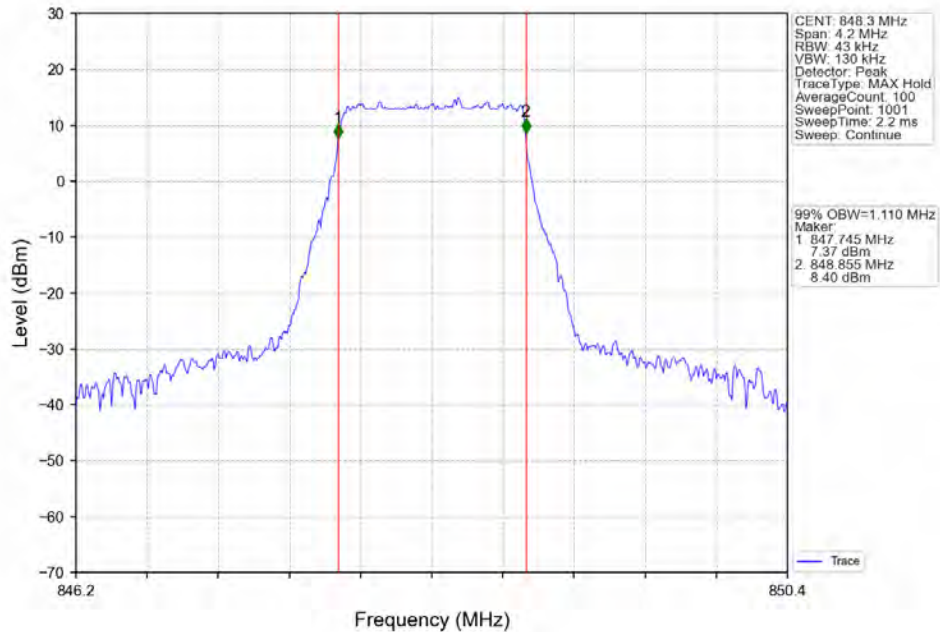
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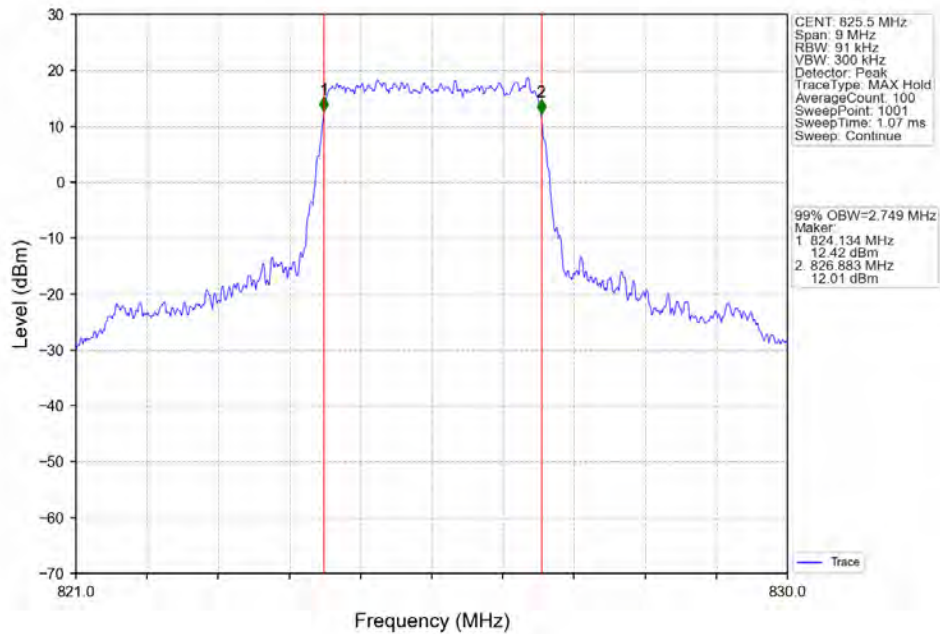
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Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



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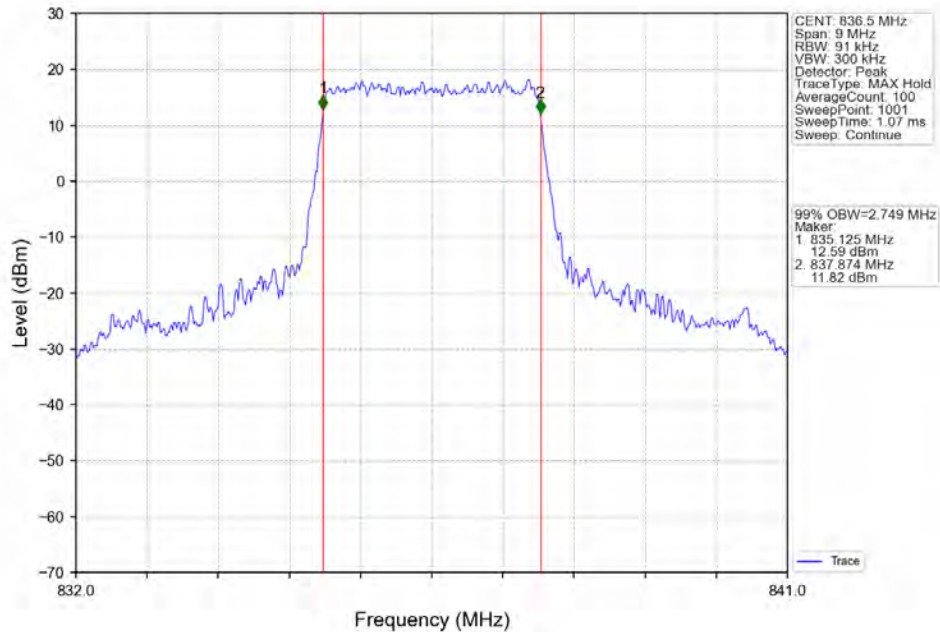
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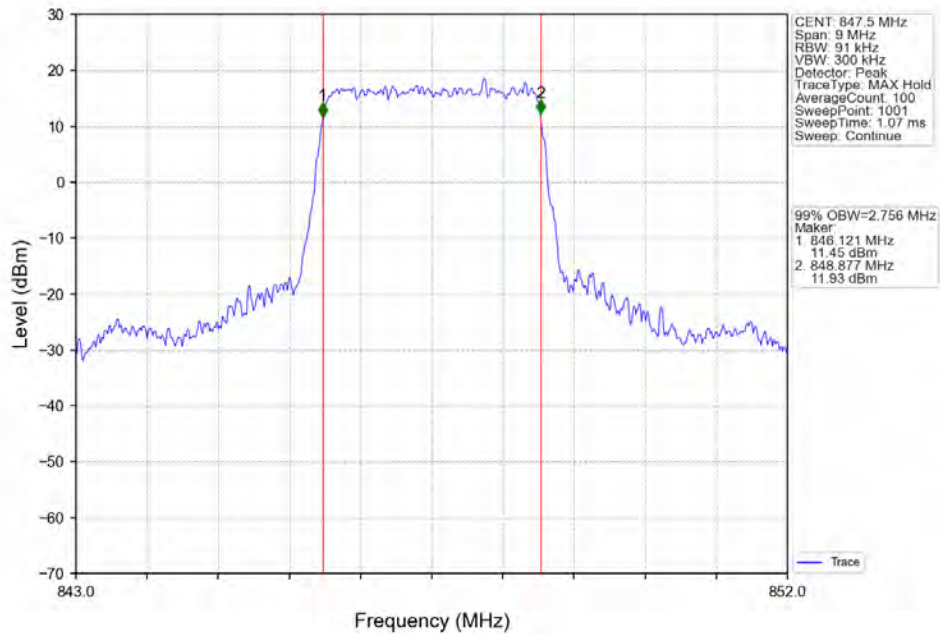
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Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



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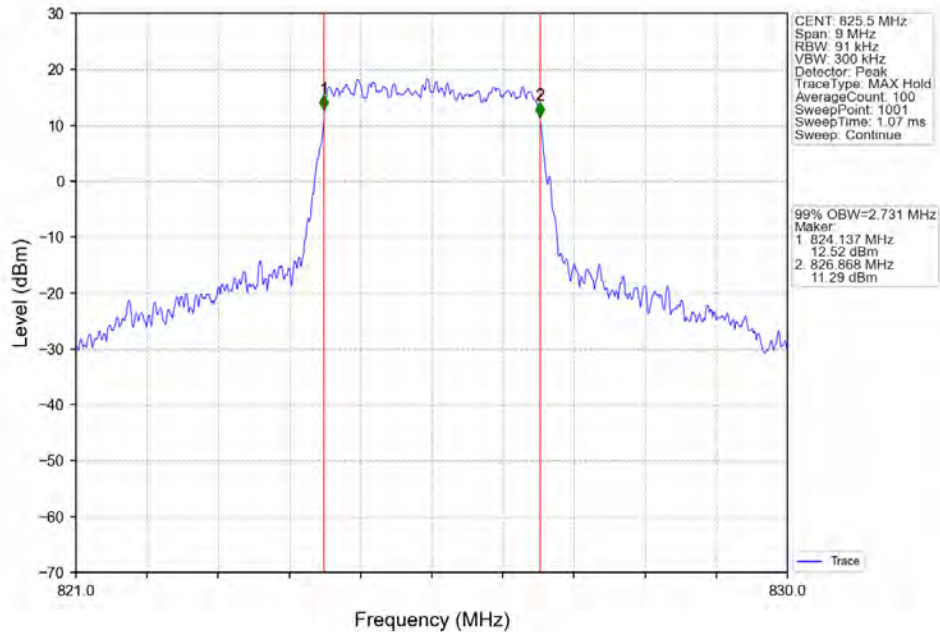
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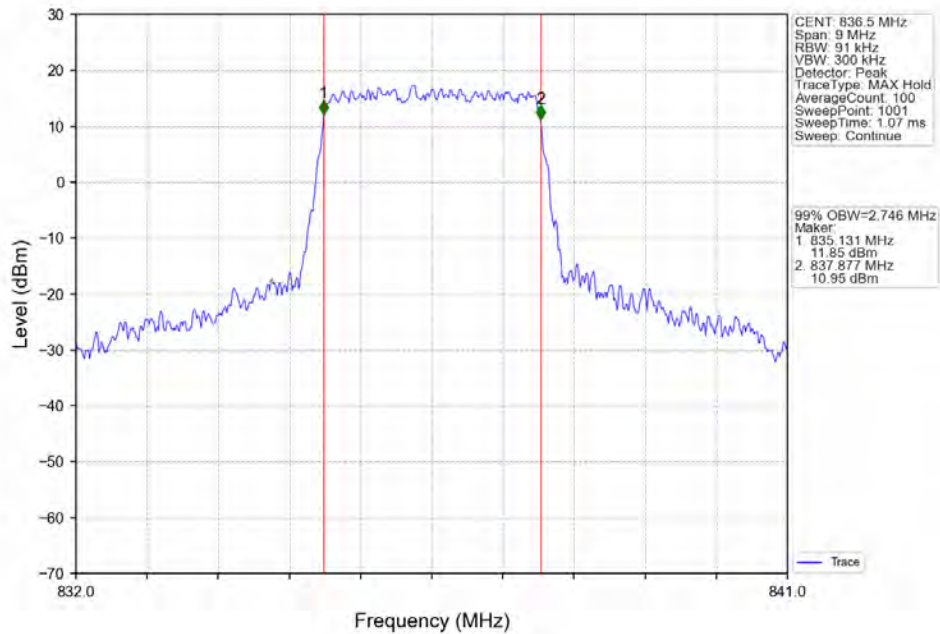
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Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



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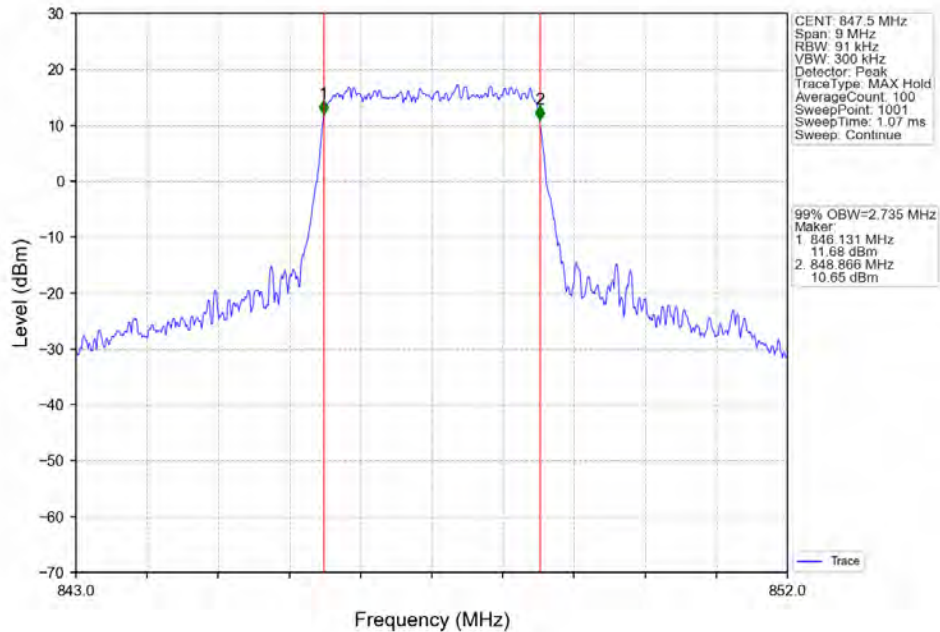
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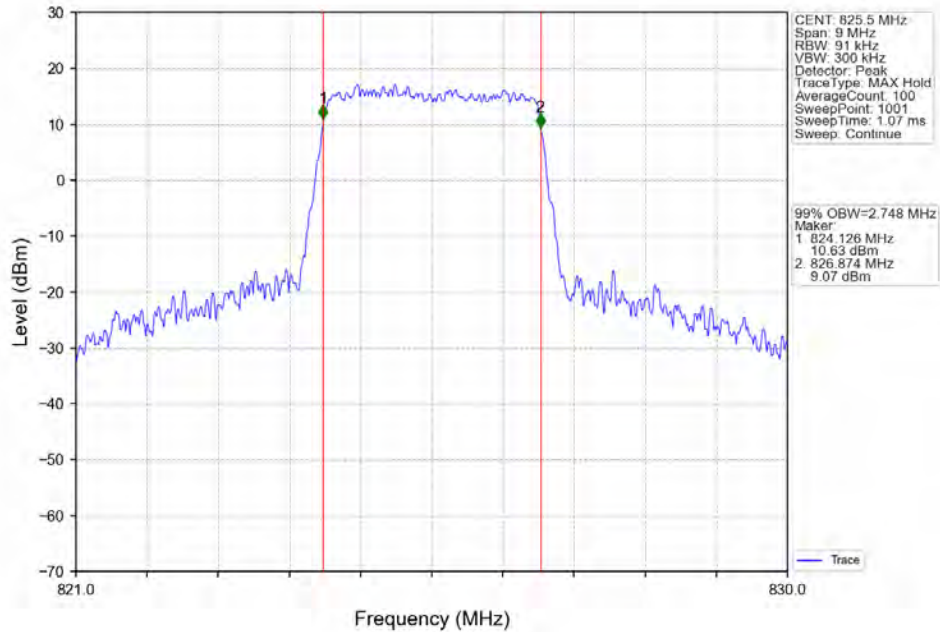
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Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



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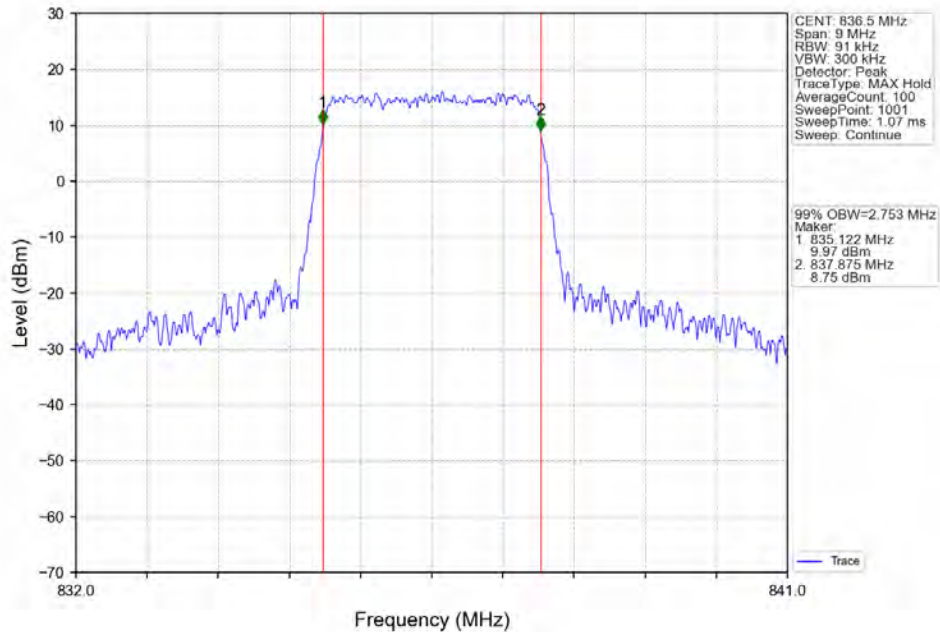
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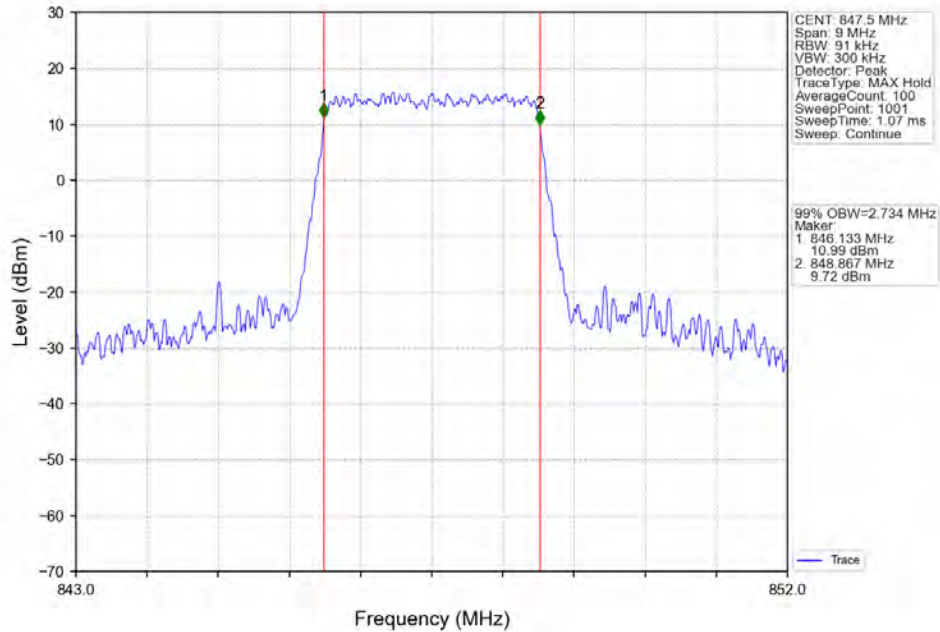
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Band5_3MHz_256QAM_LCH_825.5MHz_RB_15_0_NTNV



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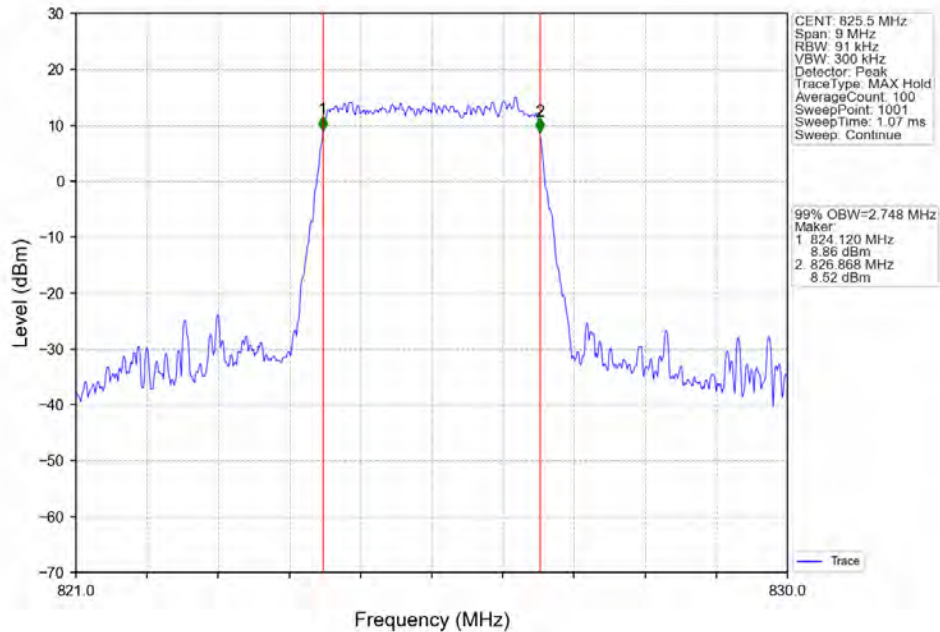
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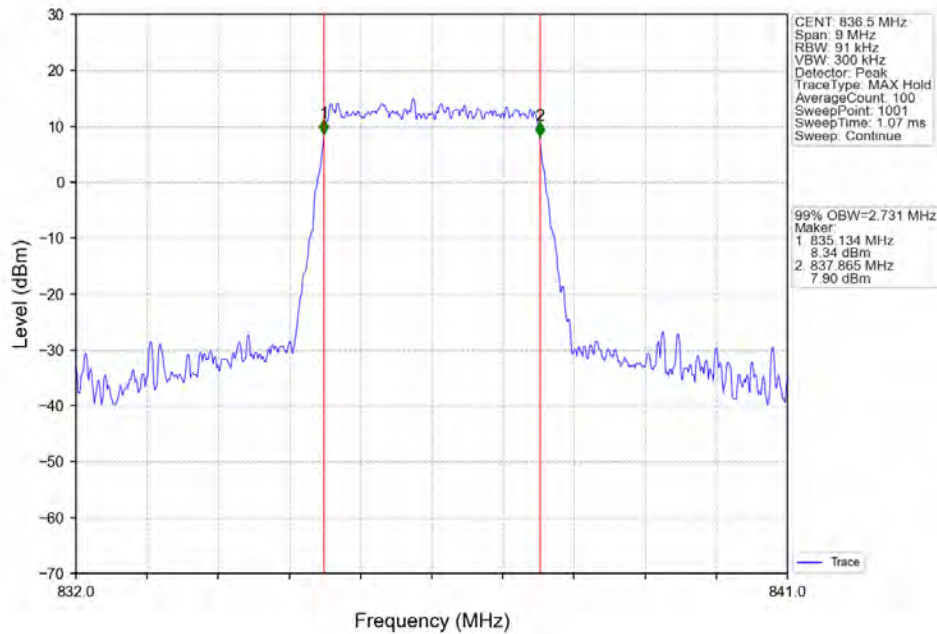
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Band5_3MHz_256QAM_HCH_847.5MHz_RB_15_0_NTNV



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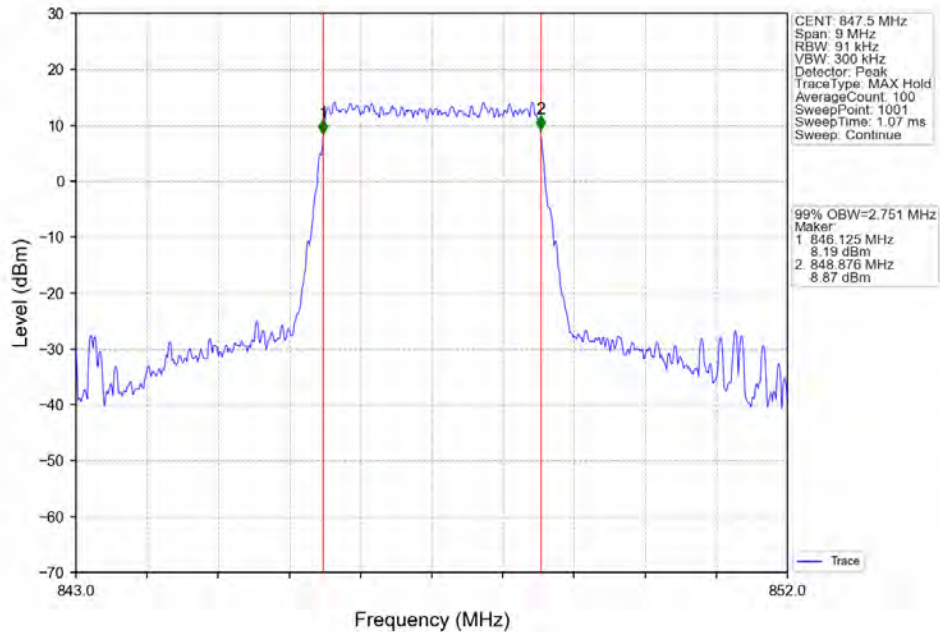
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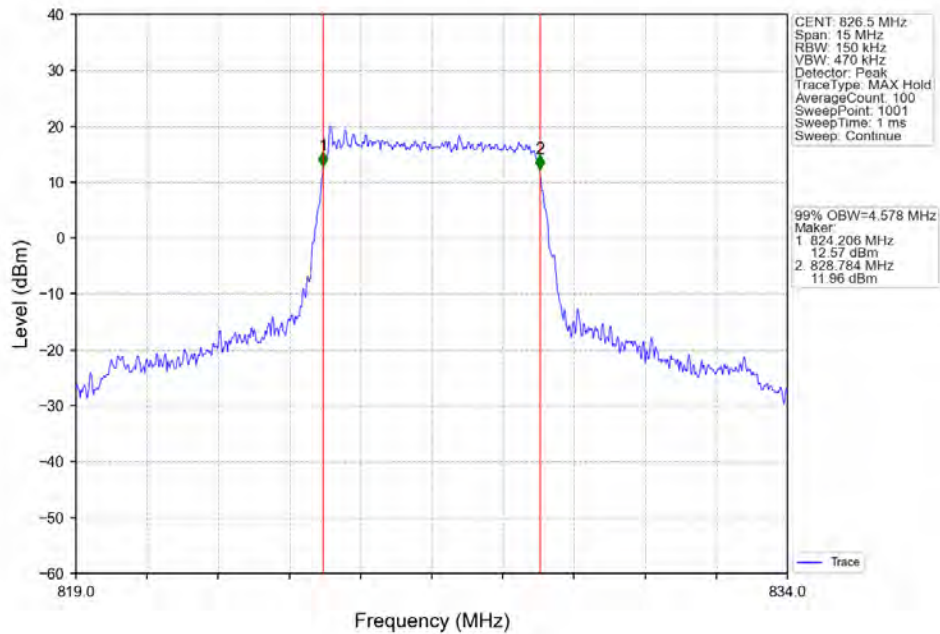
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Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



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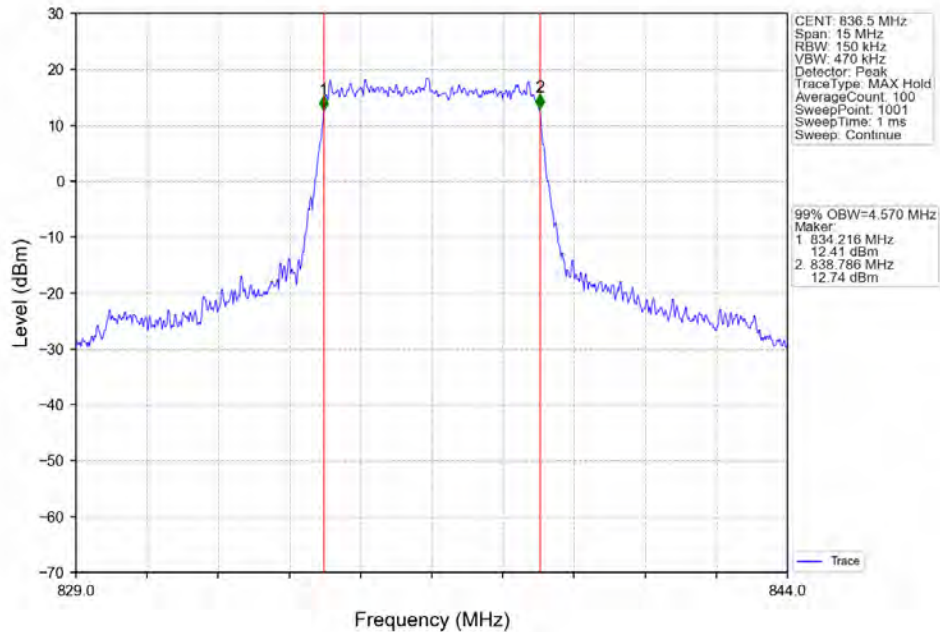
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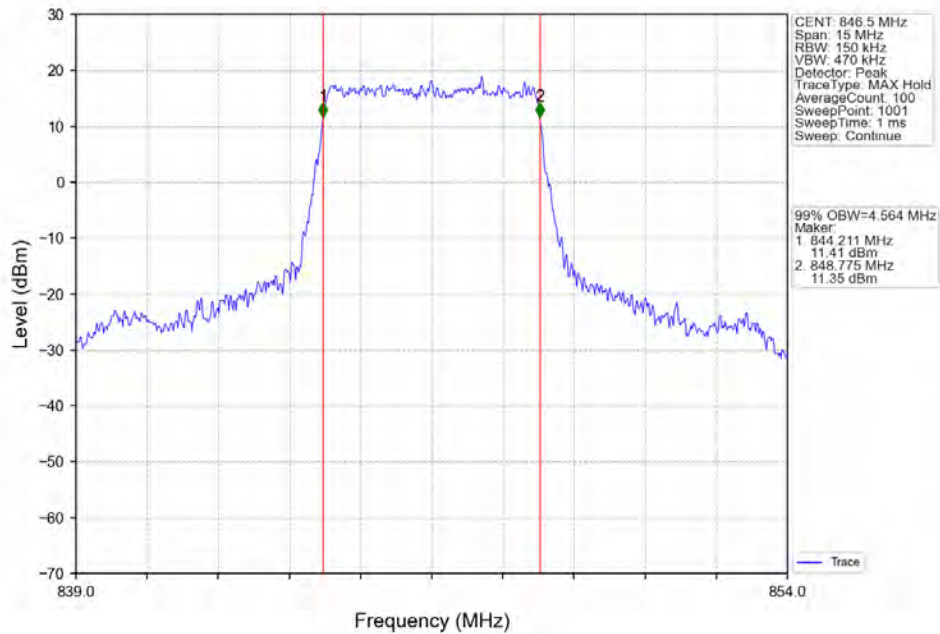
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Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



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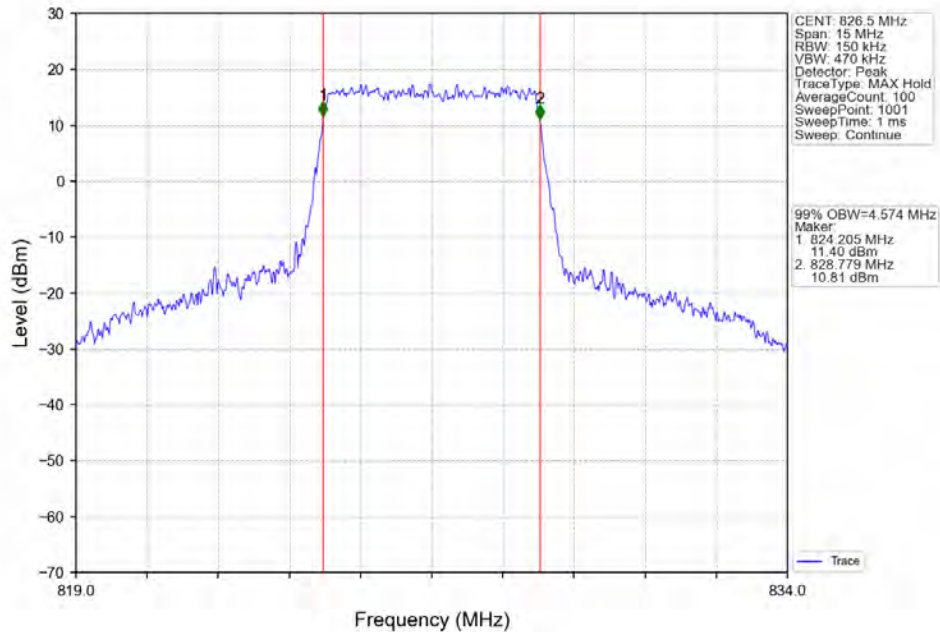
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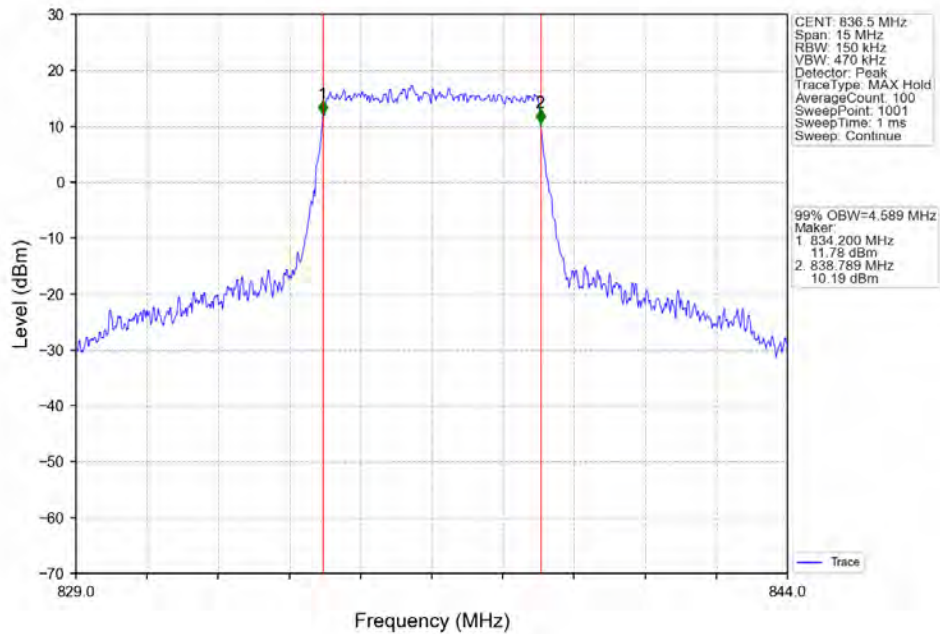
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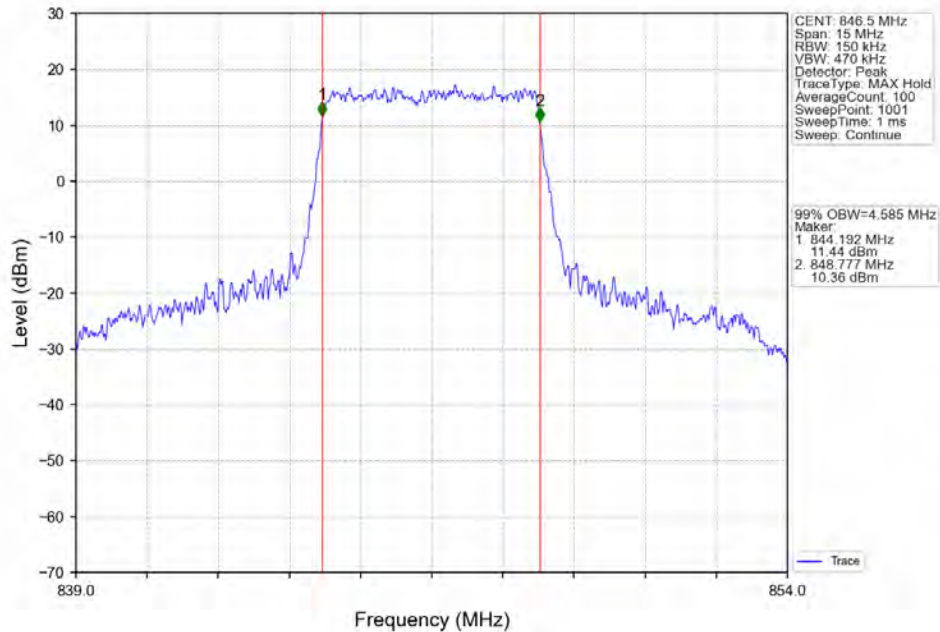
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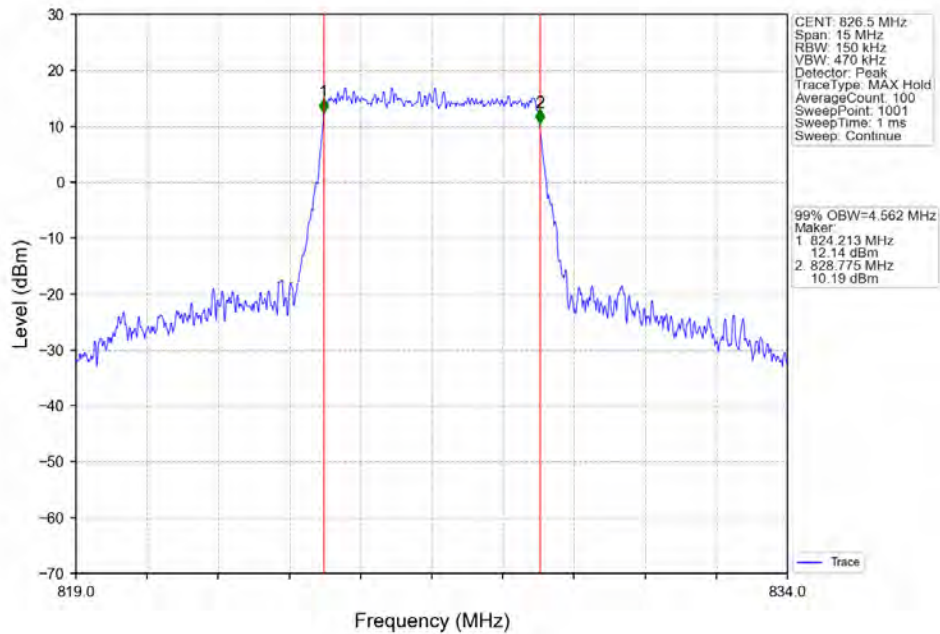
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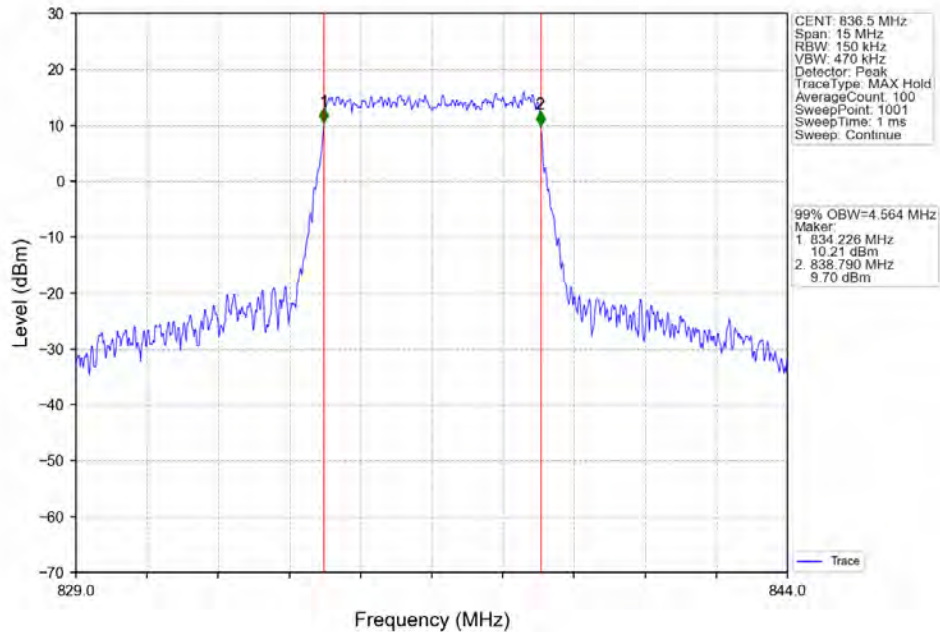
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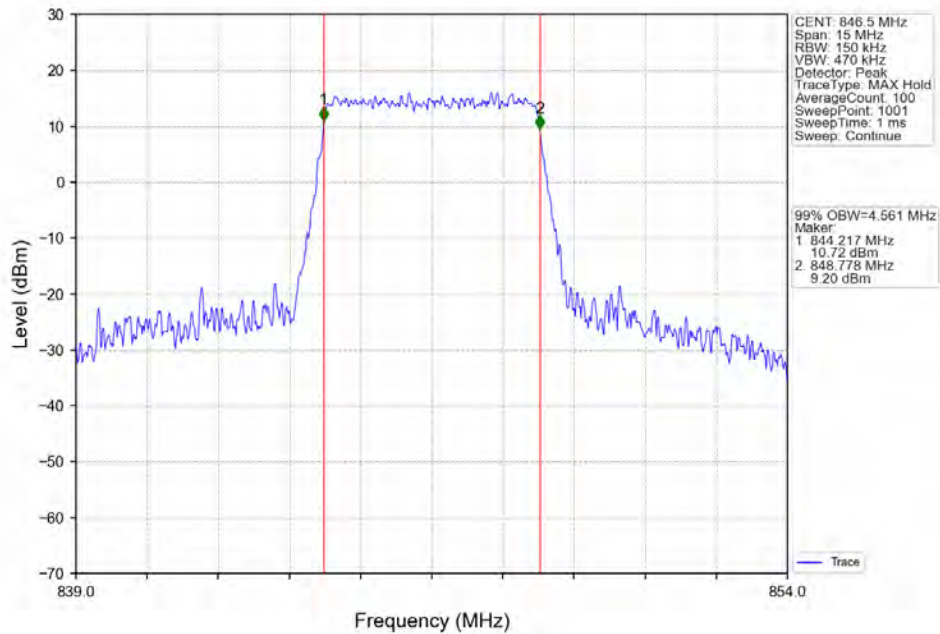
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Band5_5MHz_256QAM_LCH_826.5MHz_RB_25_0_NTNV



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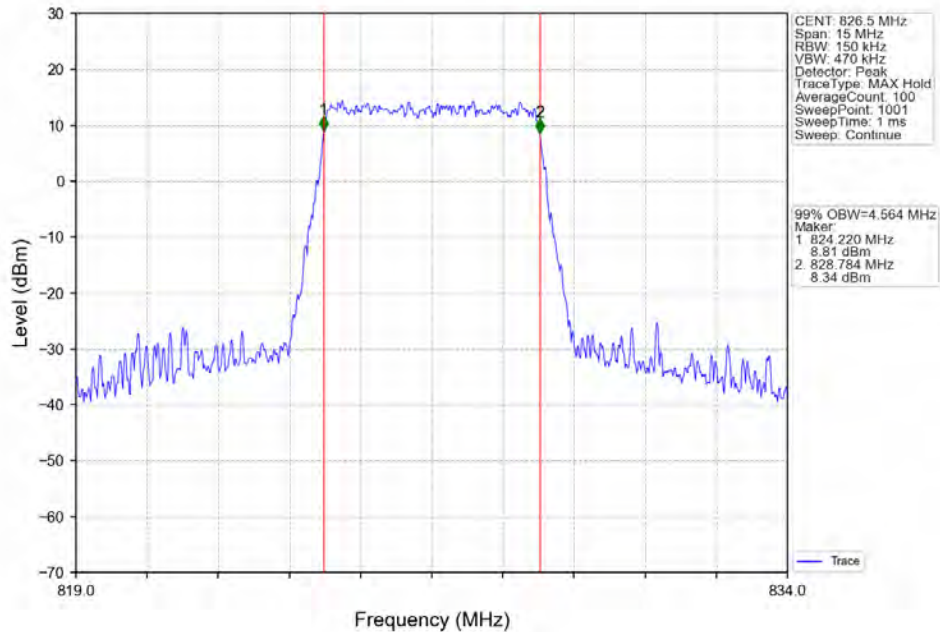
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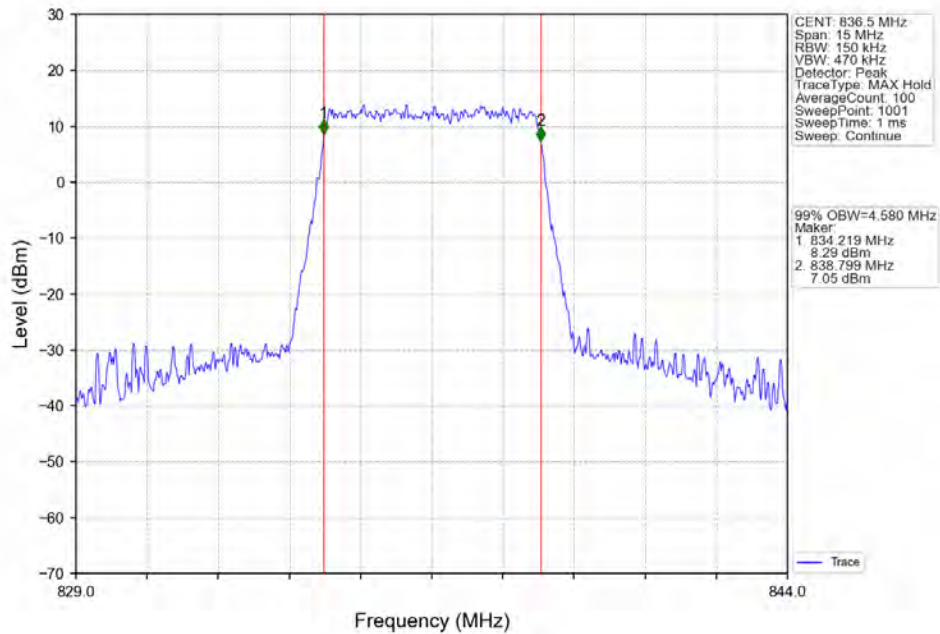
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Band5_5MHz_256QAM_HCH_846.5MHz_RB_25_0_NTNV



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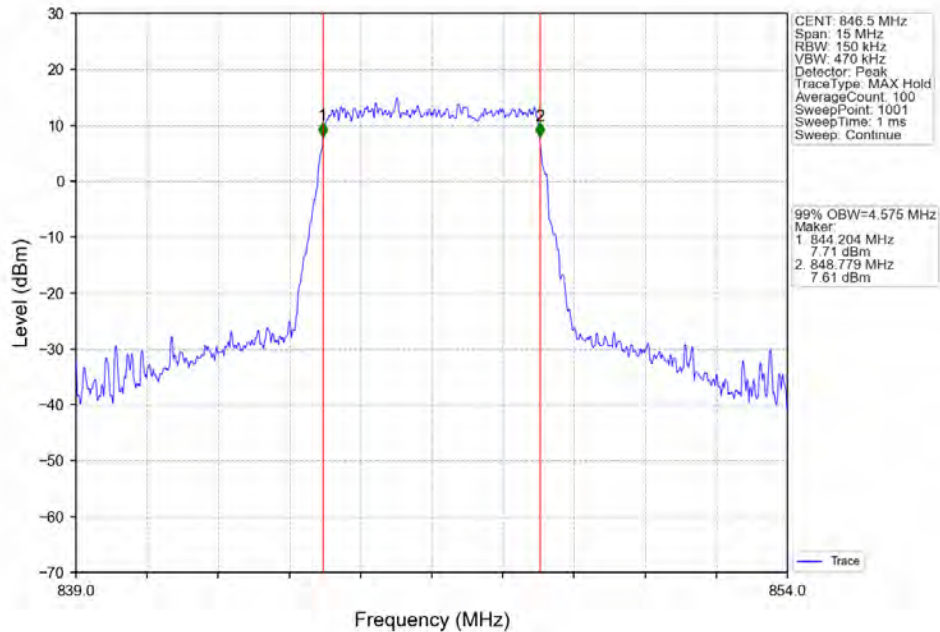
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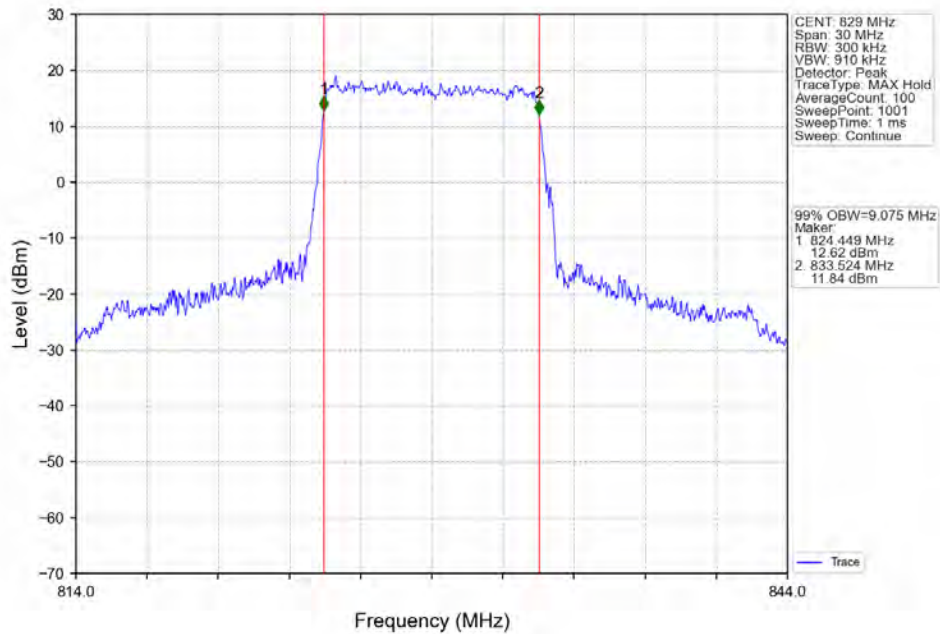
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Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



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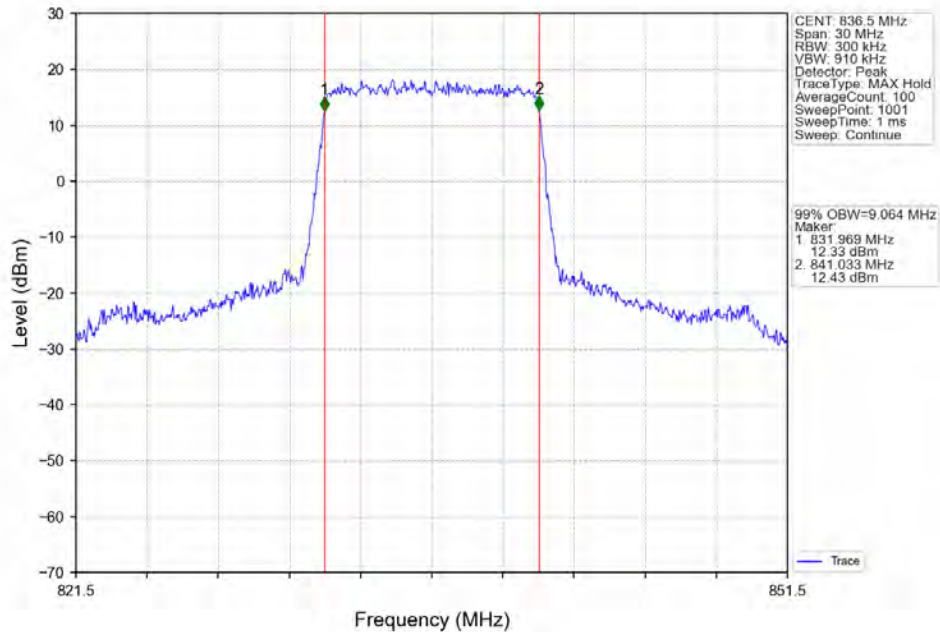
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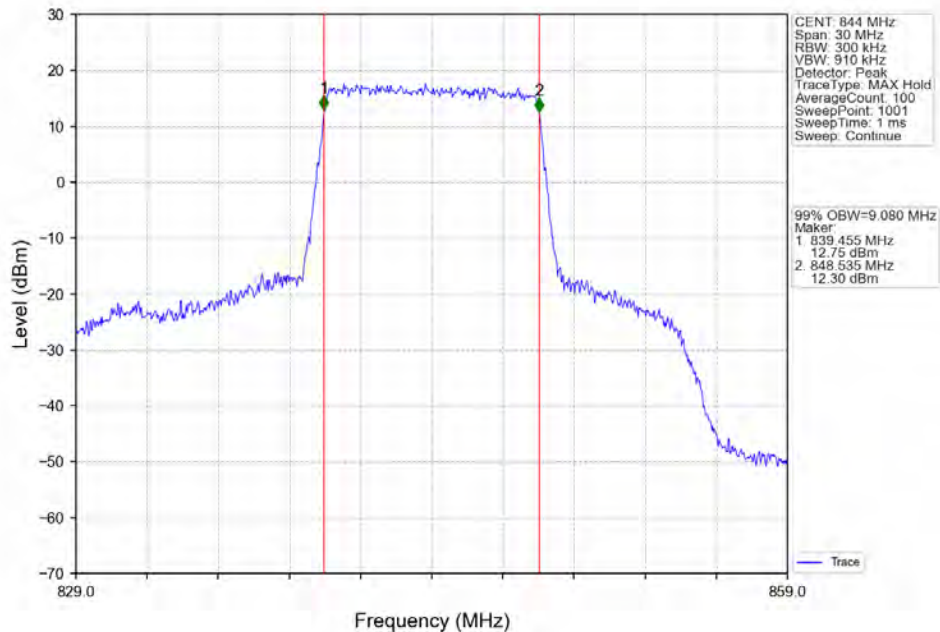
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Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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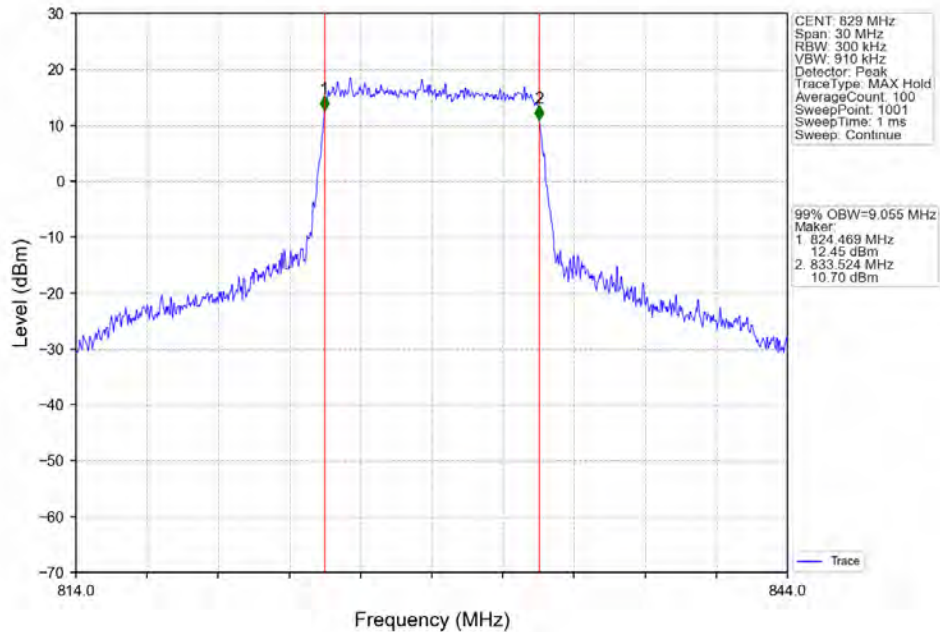
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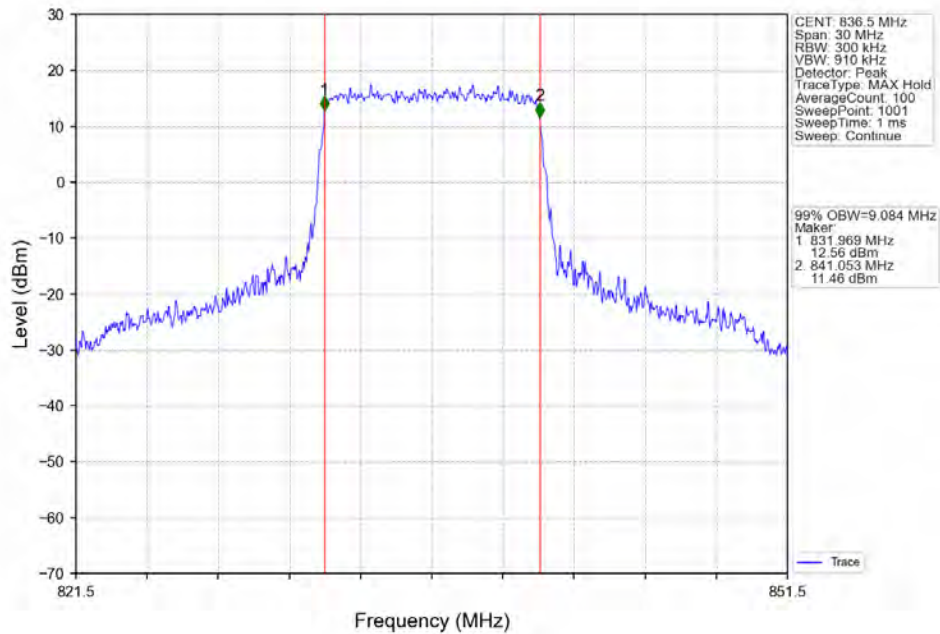
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Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



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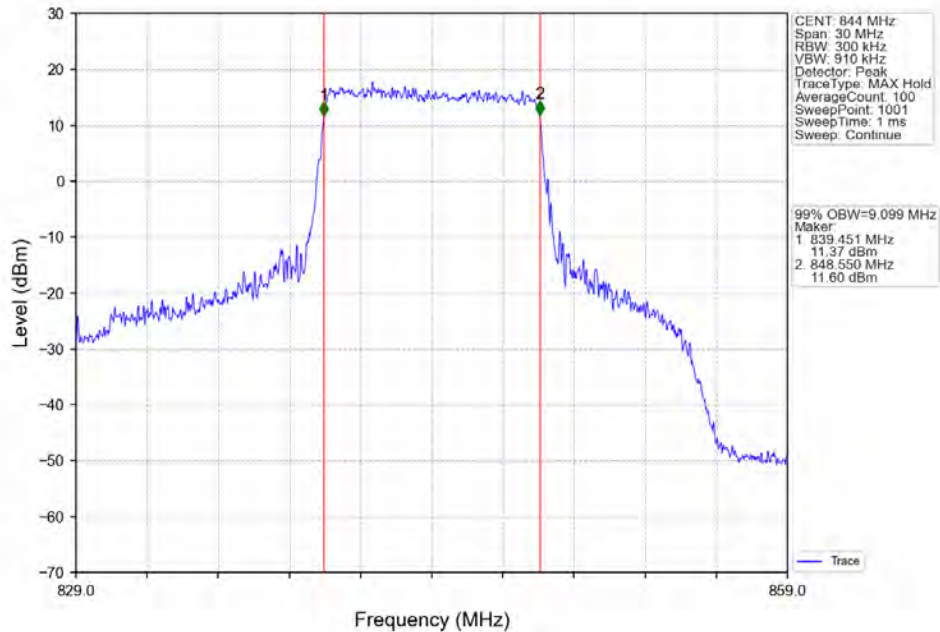
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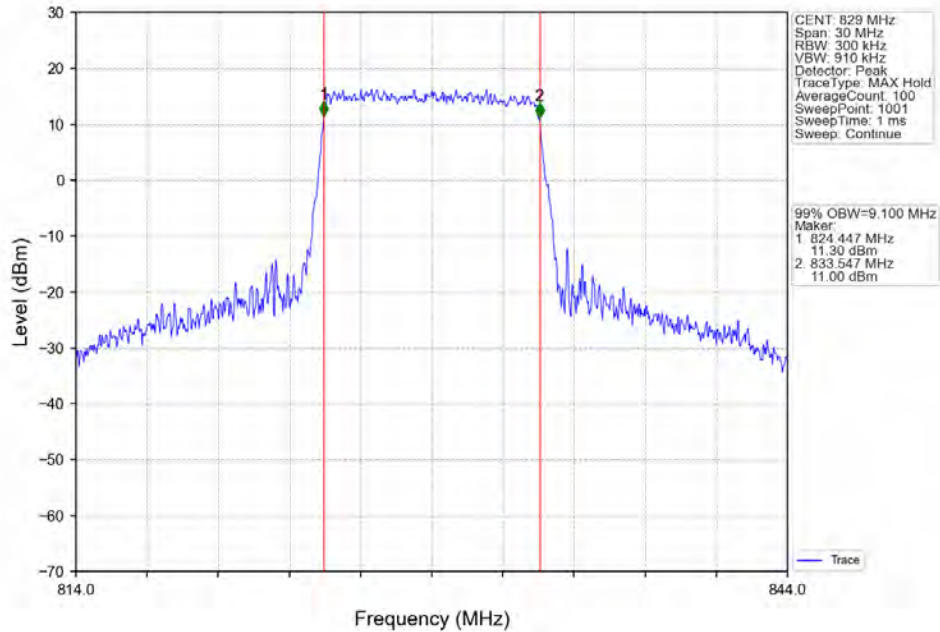
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Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



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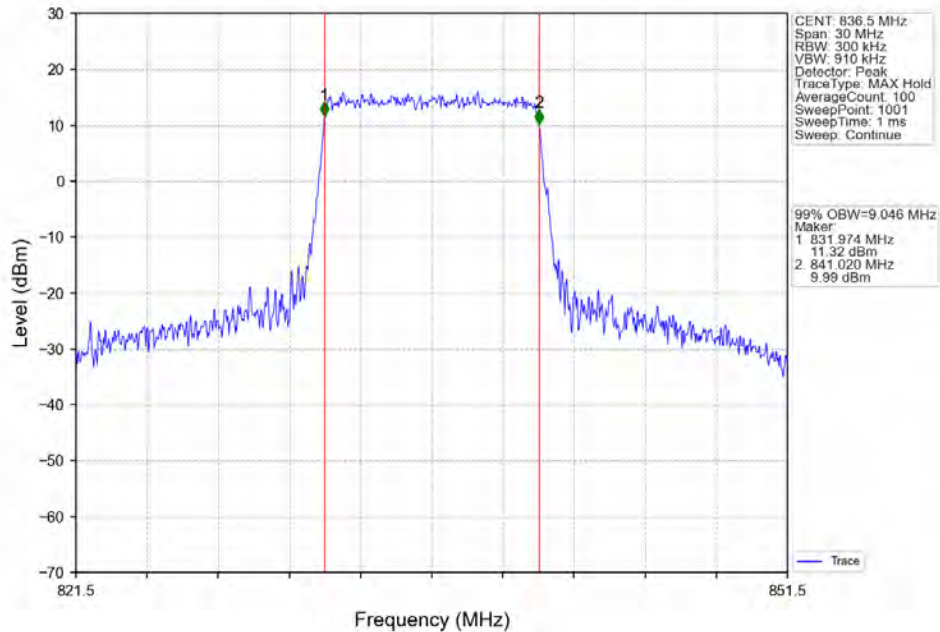
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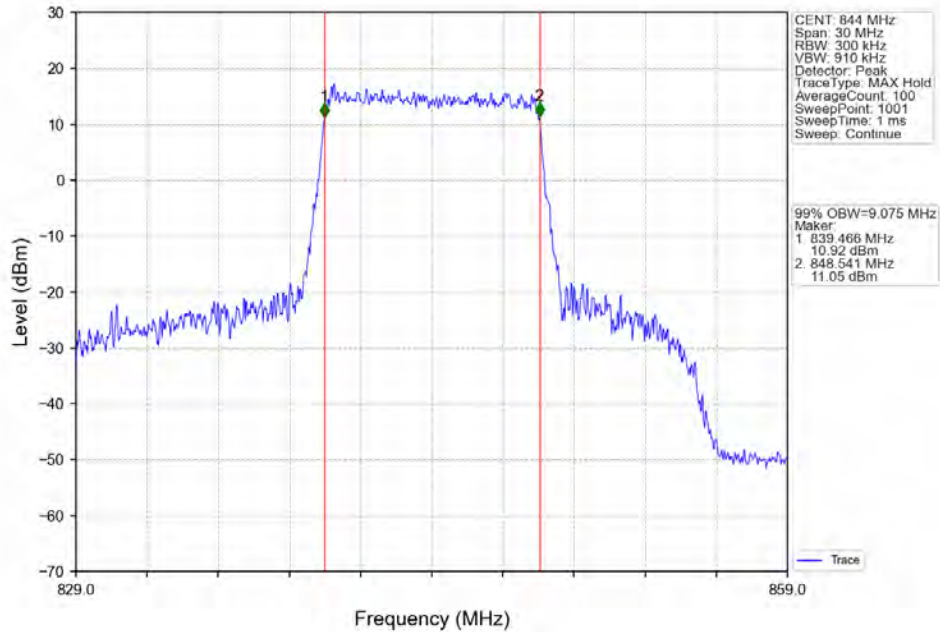
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Band5_10MHz_256QAM_LCH_829MHz_RB_50_0_NTNV



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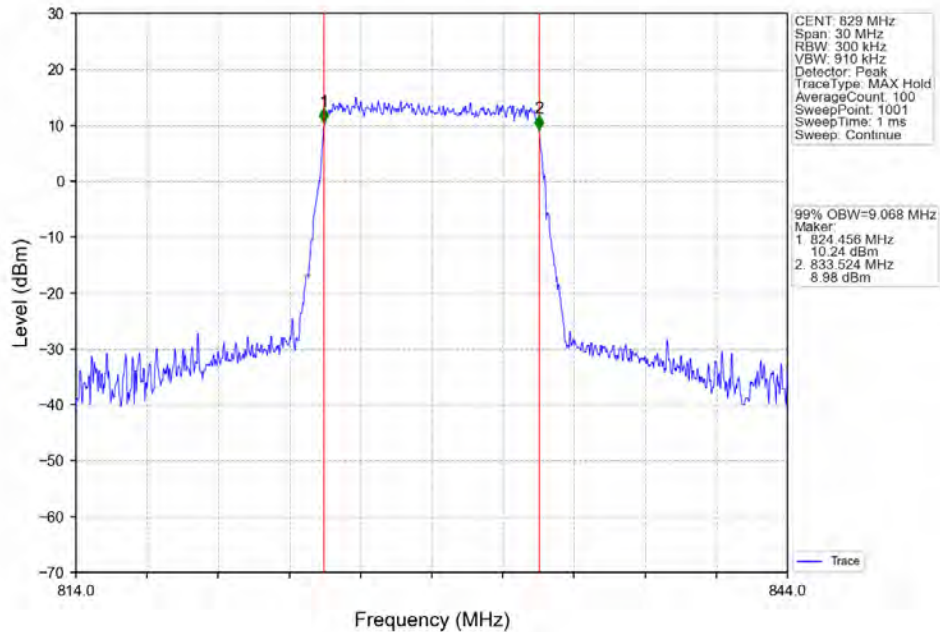
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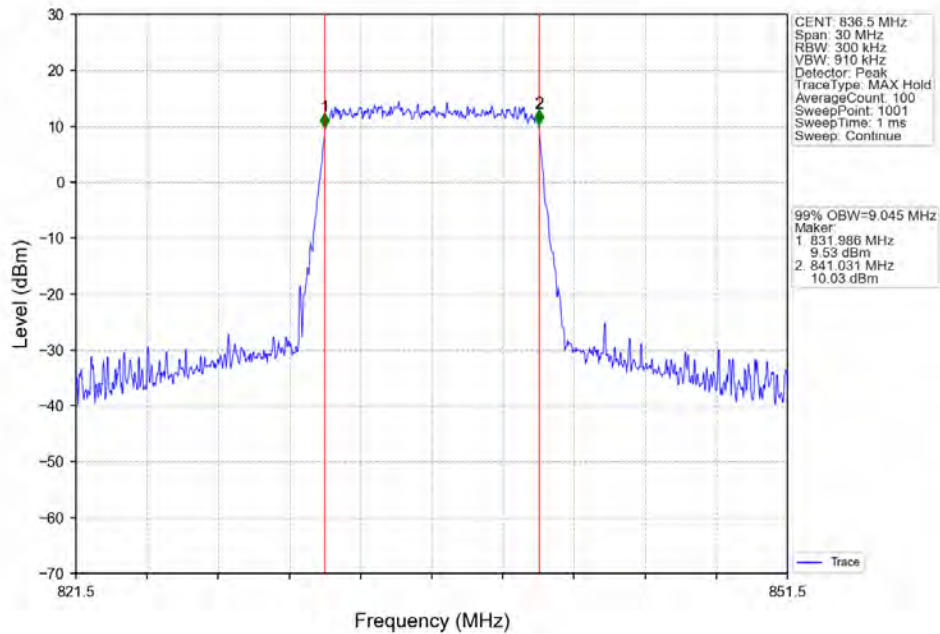
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Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_HCH_844MHz_RB_50_0_NTNV



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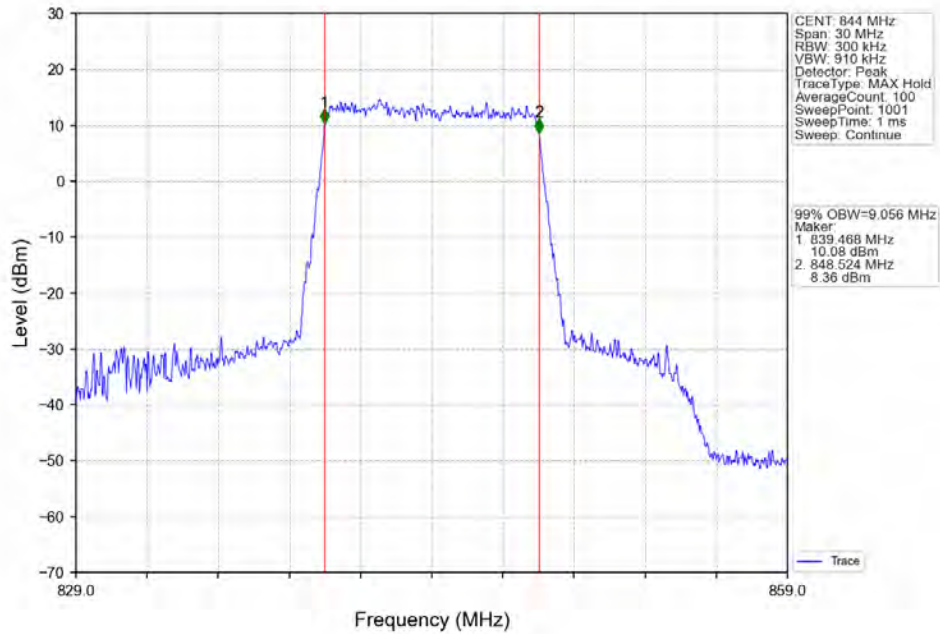
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4.2 Band5_XDB

4.2.1 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	1.407	/	Pass
		836.5	6	0	1.424	/	Pass
		848.3	6	0	1.407	/	Pass
	16QAM	824.7	6	0	1.433	/	Pass
		836.5	6	0	1.440	/	Pass
		848.3	6	0	1.417	/	Pass
	64QAM	824.7	6	0	1.388	/	Pass
		836.5	6	0	1.411	/	Pass
		848.3	6	0	1.397	/	Pass
	256QAM	824.7	6	0	1.389	/	Pass
		836.5	6	0	1.375	/	Pass
		848.3	6	0	1.413	/	Pass
3	QPSK	825.5	15	0	3.121	/	Pass
		836.5	15	0	3.131	/	Pass
		847.5	15	0	3.115	/	Pass
	16QAM	825.5	15	0	3.150	/	Pass
		836.5	15	0	3.157	/	Pass
		847.5	15	0	3.119	/	Pass
	64QAM	825.5	15	0	3.126	/	Pass
		836.5	15	0	3.125	/	Pass
		847.5	15	0	3.146	/	Pass
	256QAM	825.5	15	0	3.113	/	Pass
		836.5	15	0	3.119	/	Pass
		847.5	15	0	3.164	/	Pass
5	QPSK	826.5	25	0	5.161	/	Pass
		836.5	25	0	5.253	/	Pass
		846.5	25	0	5.219	/	Pass
	16QAM	826.5	25	0	5.267	/	Pass
		836.5	25	0	5.247	/	Pass
		846.5	25	0	5.212	/	Pass
	64QAM	826.5	25	0	5.263	/	Pass
		836.5	25	0	5.252	/	Pass
		846.5	25	0	5.279	/	Pass
	256QAM	826.5	25	0	5.282	/	Pass
		836.5	25	0	5.261	/	Pass
		846.5	25	0	5.256	/	Pass
10	QPSK	829	50	0	10.180	/	Pass
		836.5	50	0	10.162	/	Pass
		844	50	0	10.166	/	Pass



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	16QAM	829	50	0	10.114	/	Pass
		836.5	50	0	10.188	/	Pass
		844	50	0	10.151	/	Pass
	64QAM	829	50	0	10.171	/	Pass
		836.5	50	0	10.104	/	Pass
		844	50	0	10.060	/	Pass
	256QAM	829	50	0	10.153	/	Pass
		836.5	50	0	10.153	/	Pass
		844	50	0	10.155	/	Pass



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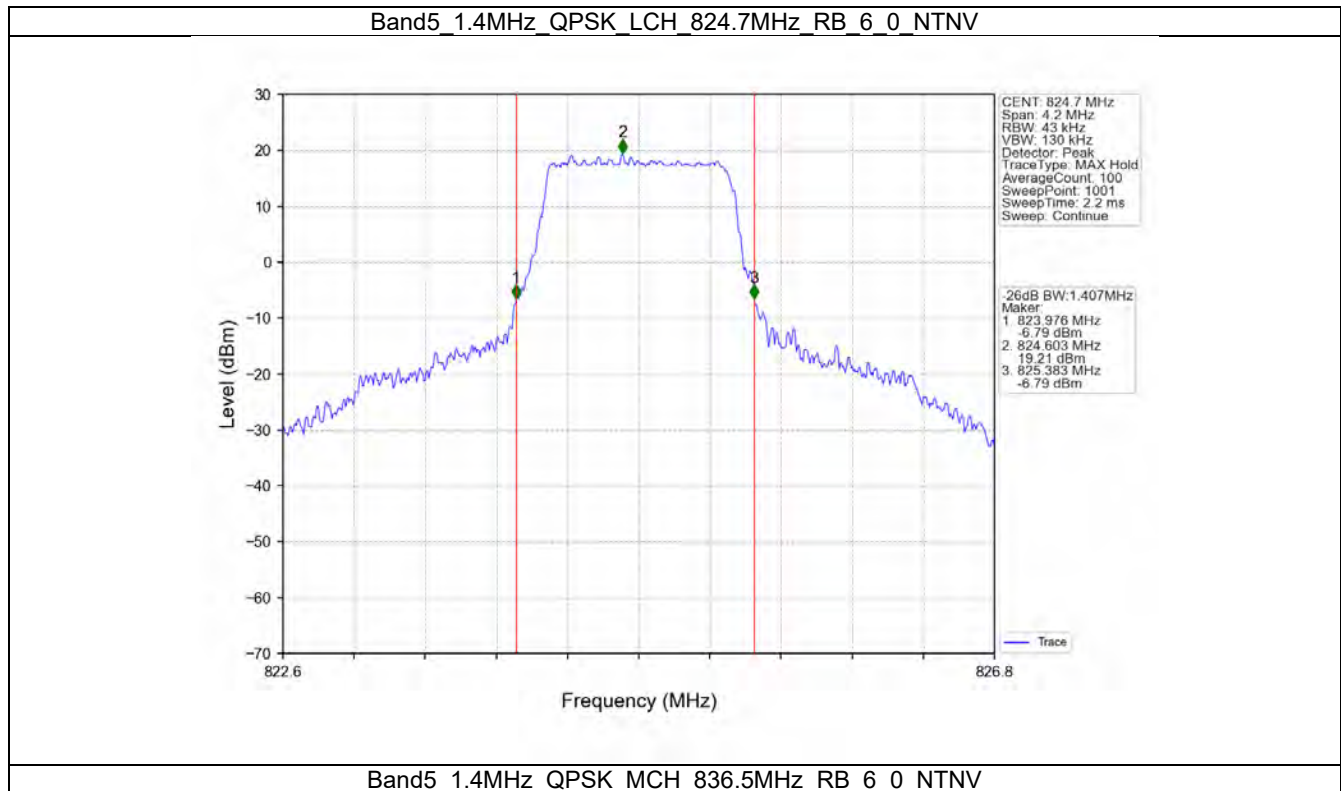
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4.2.2 Test Graph



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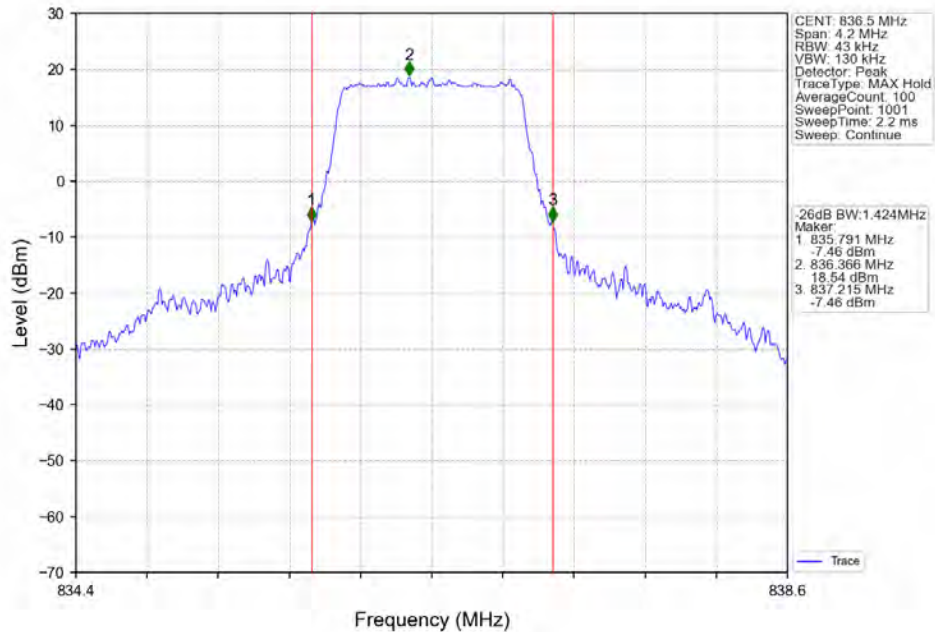
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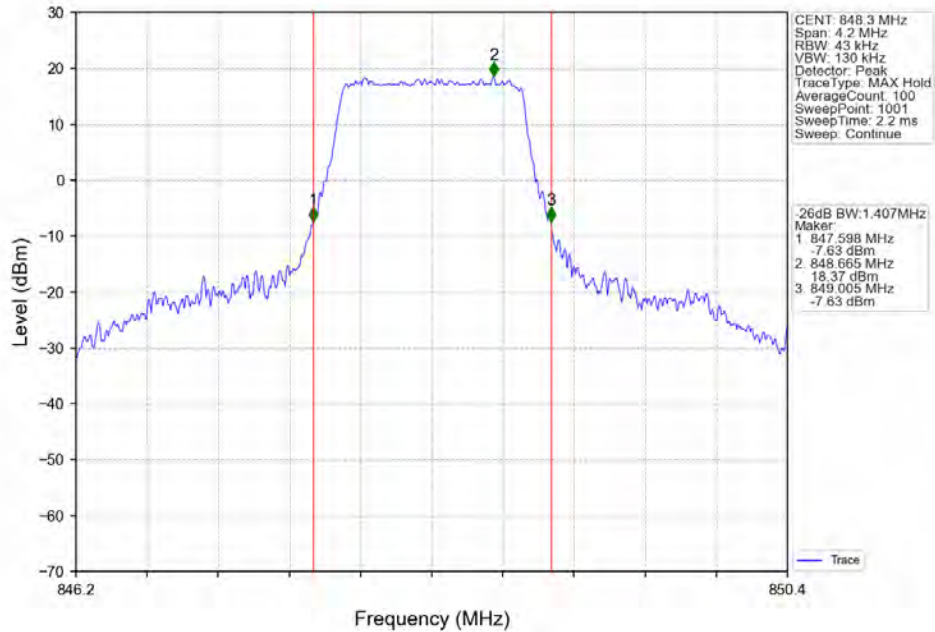
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Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



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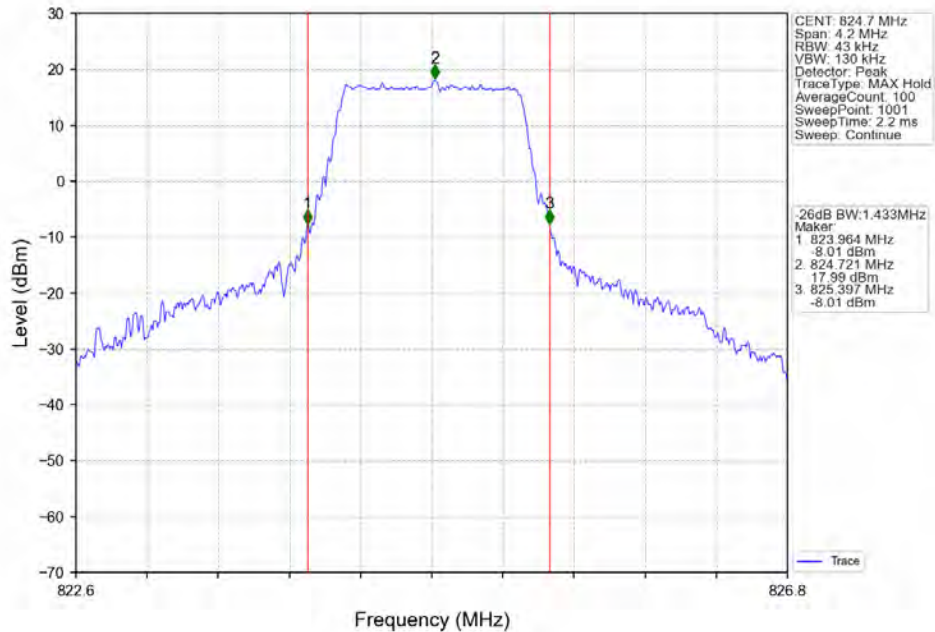
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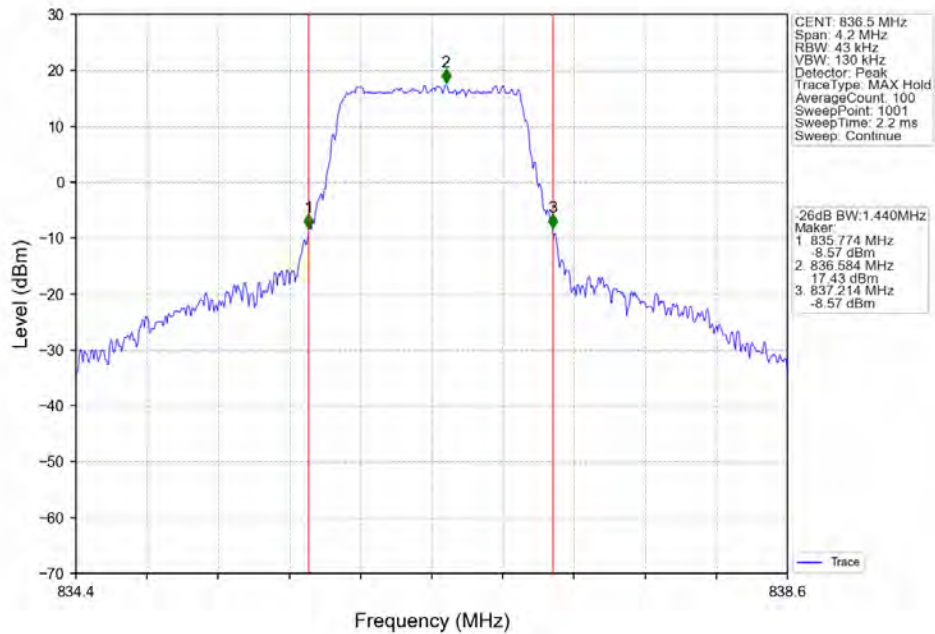
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Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



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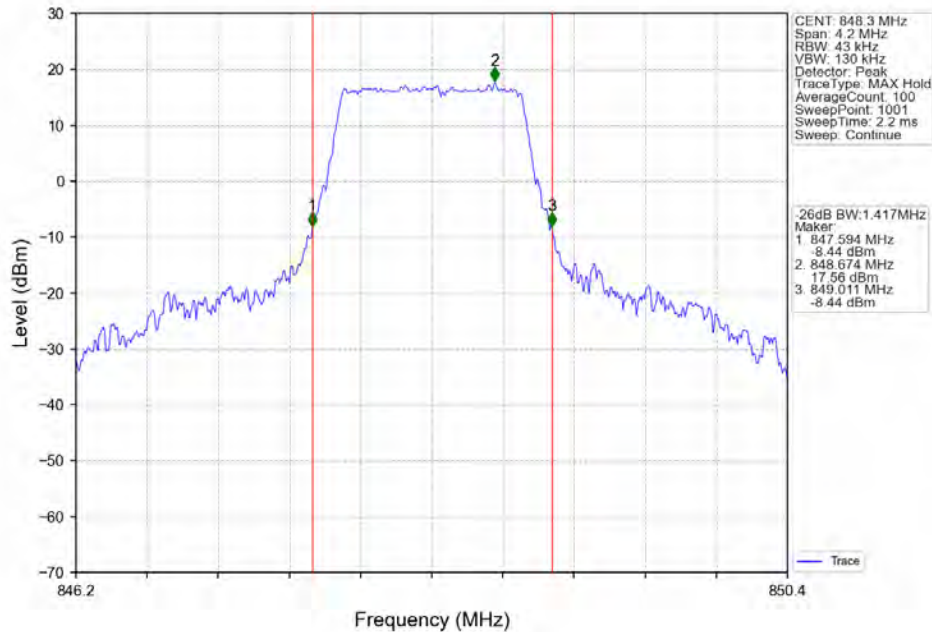
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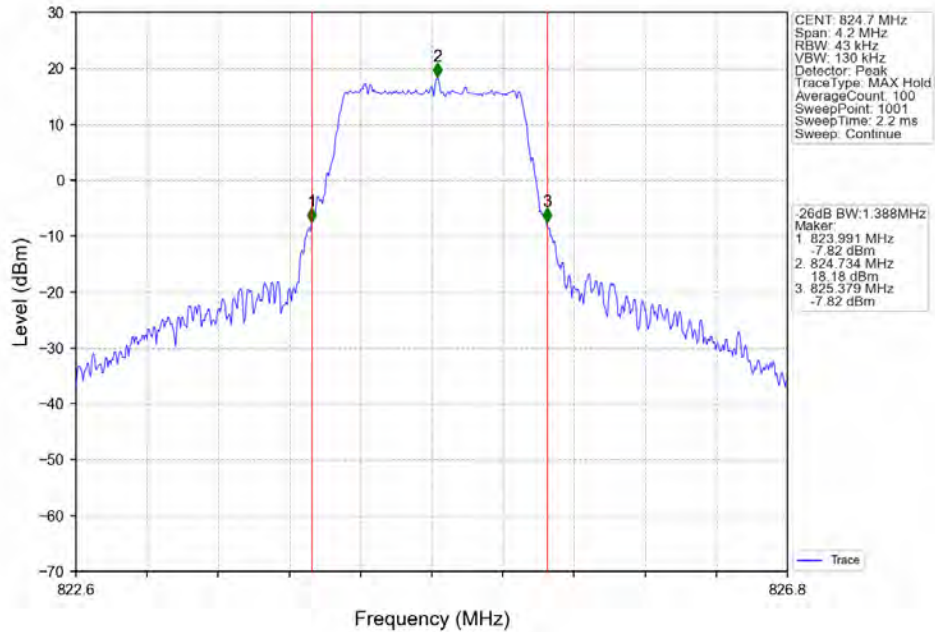
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Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



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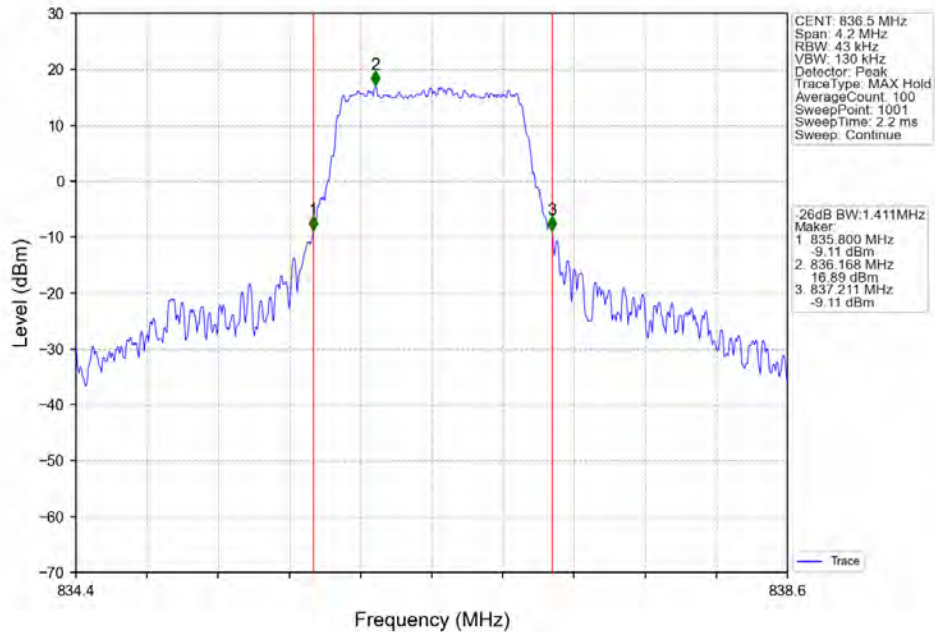
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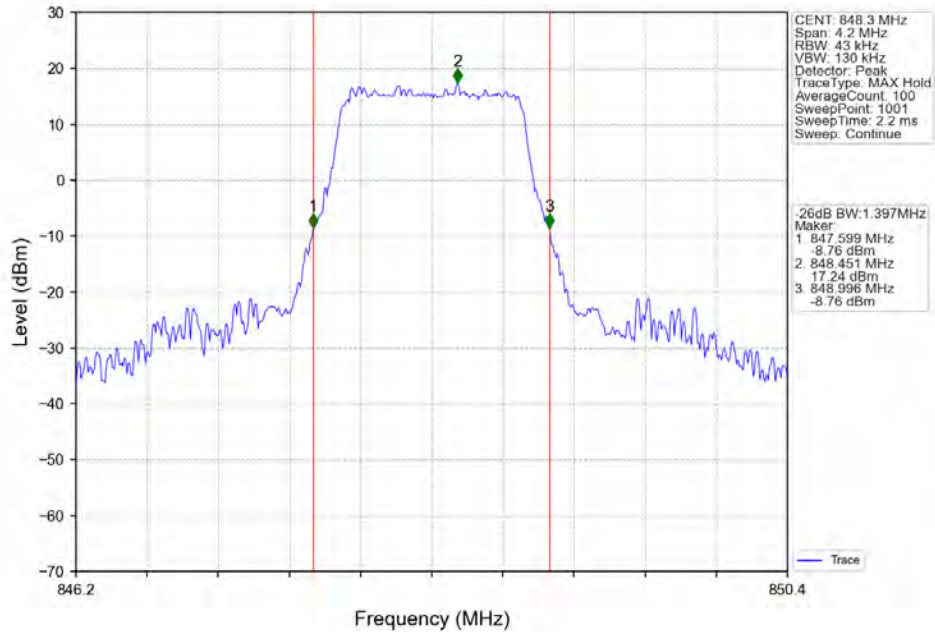
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Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



Band5_1.4MHz_256QAM_LCH_824.7MHz_RB_6_0_NTNV



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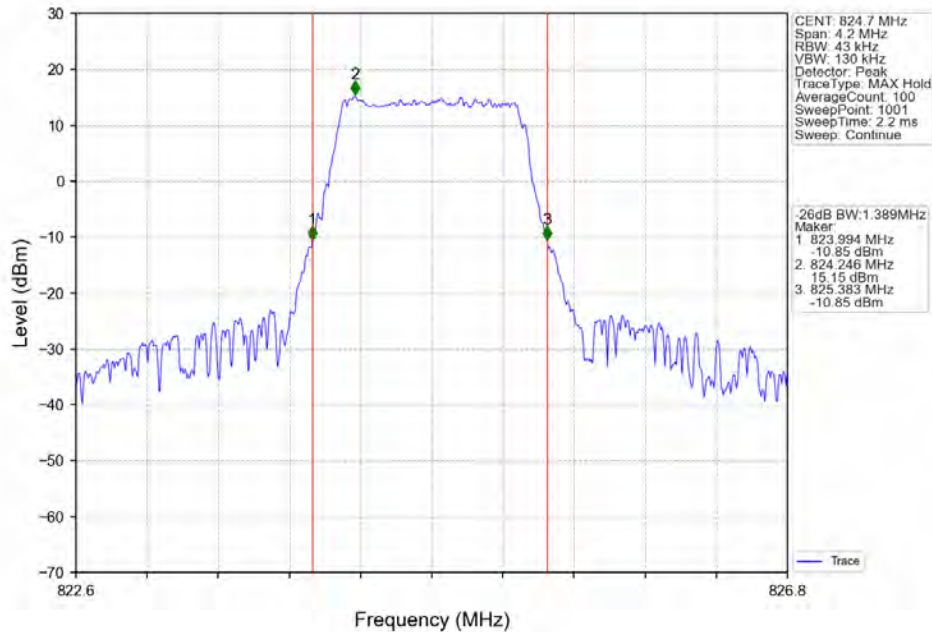
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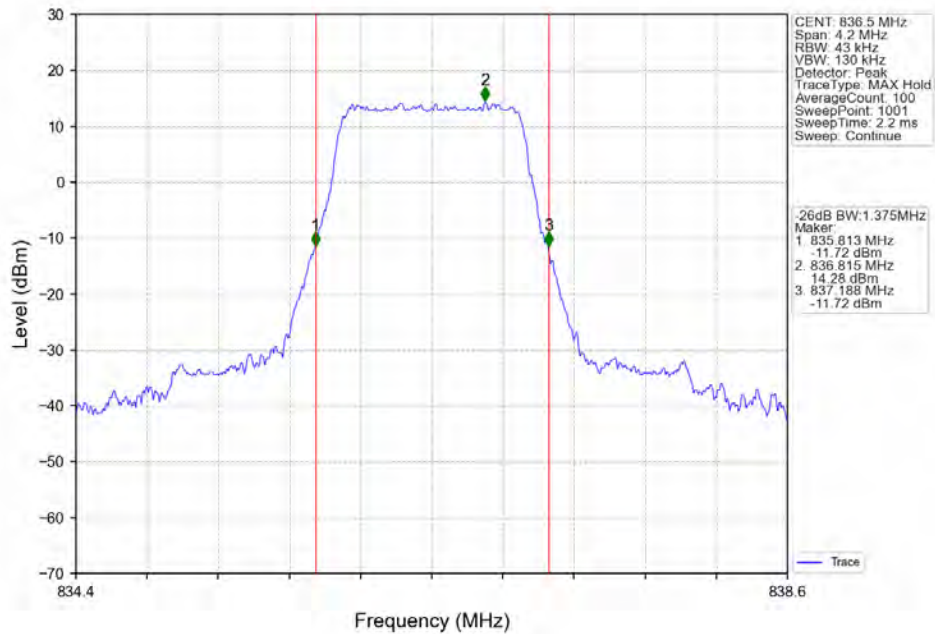
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Band5_1.4MHz_256QAM_HCH_848.3MHz_RB_6_0_NTNV



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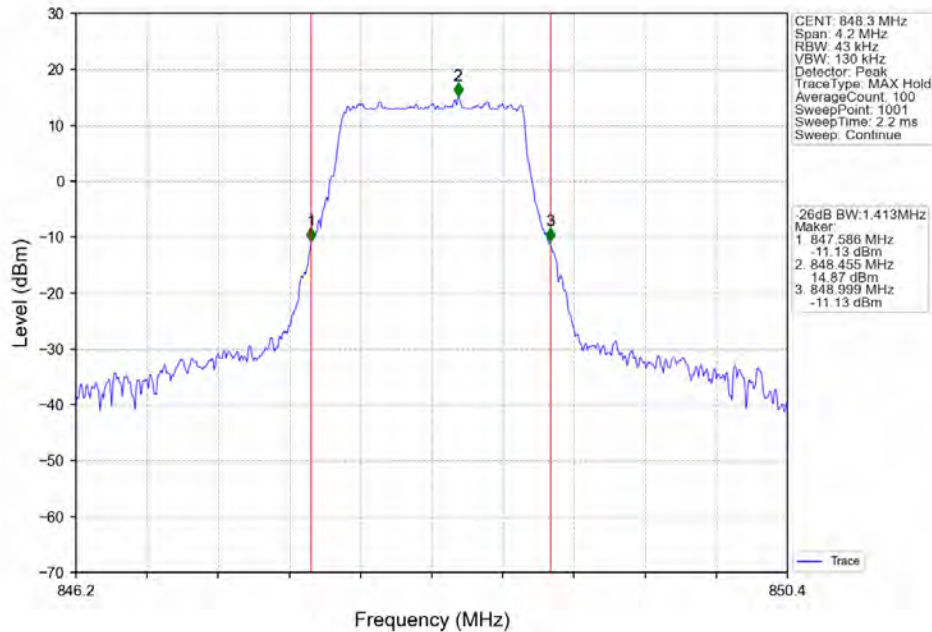
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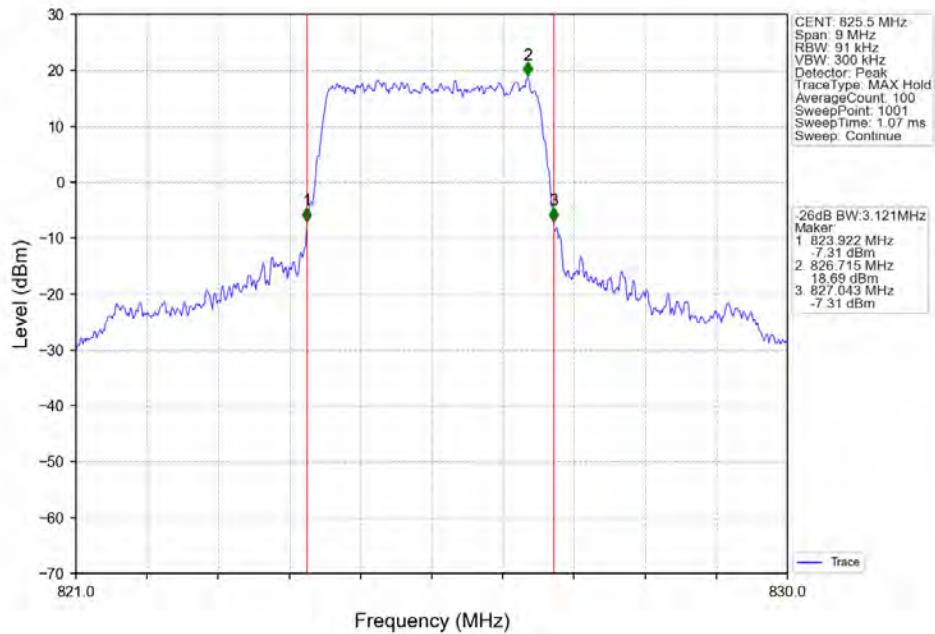
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Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



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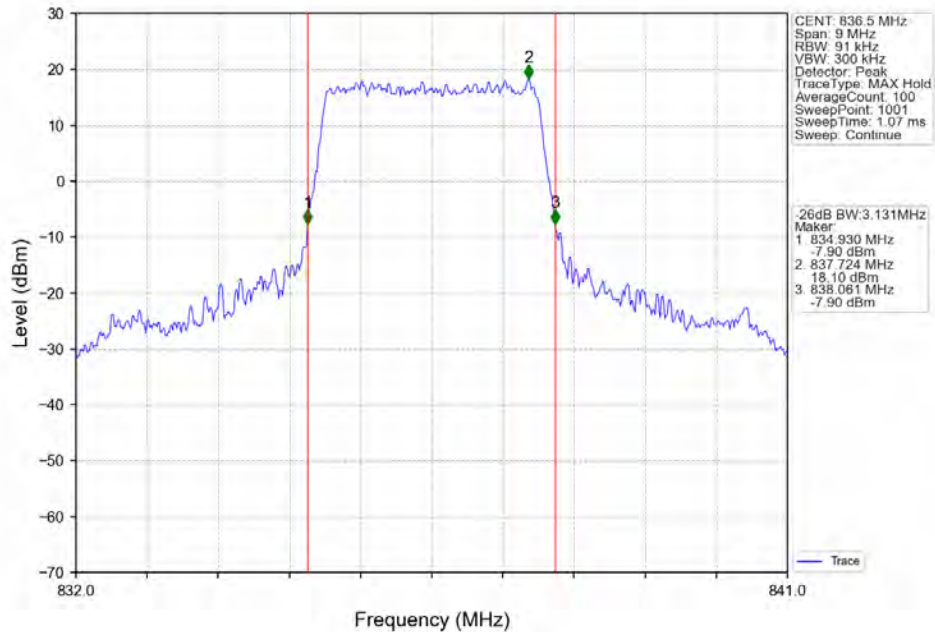
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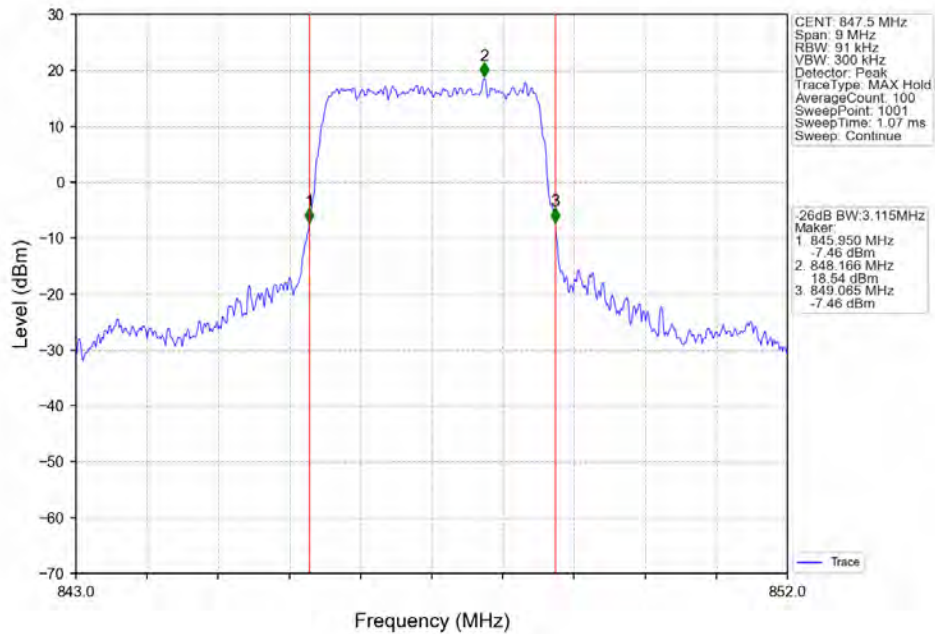
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Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



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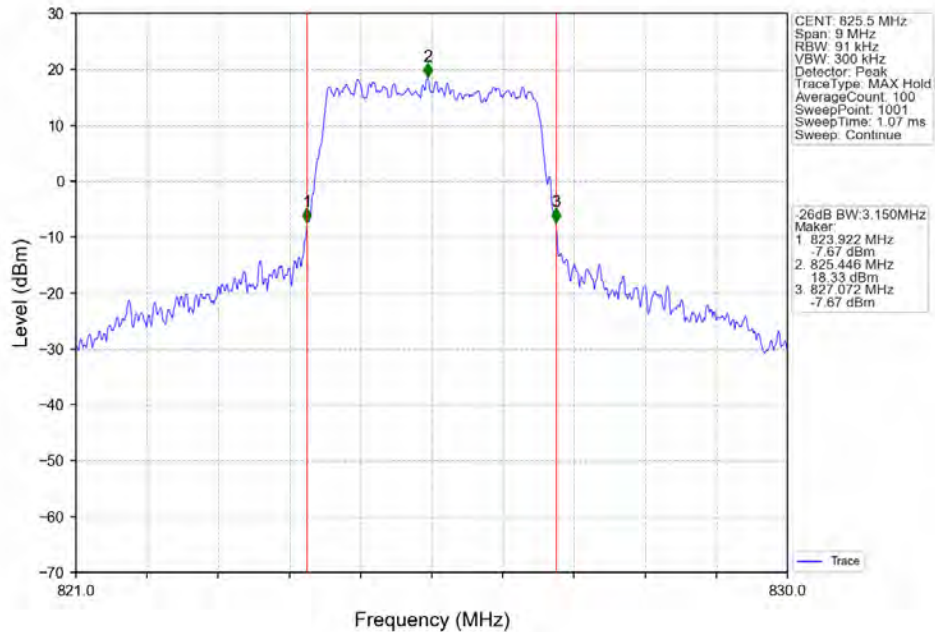
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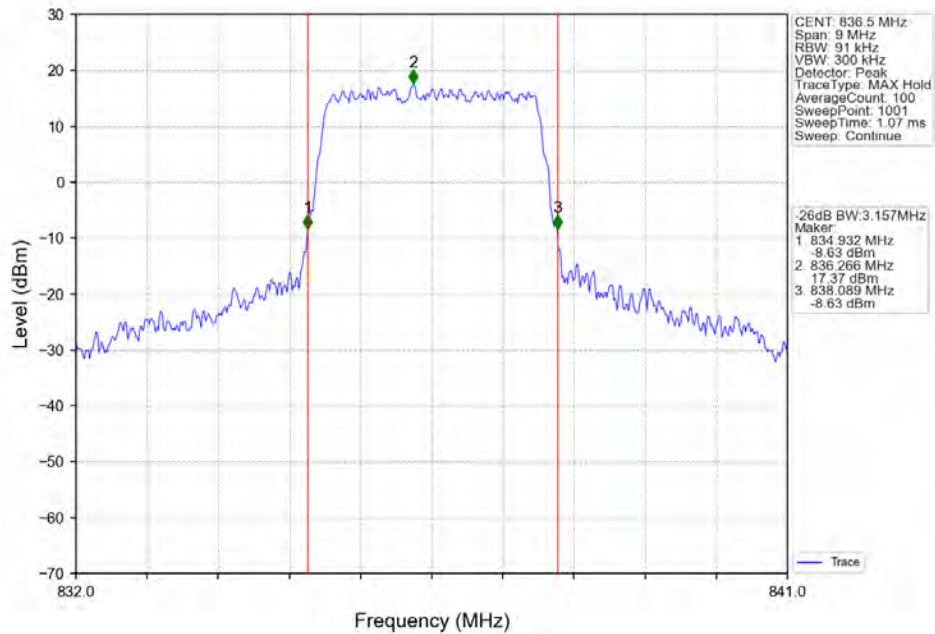
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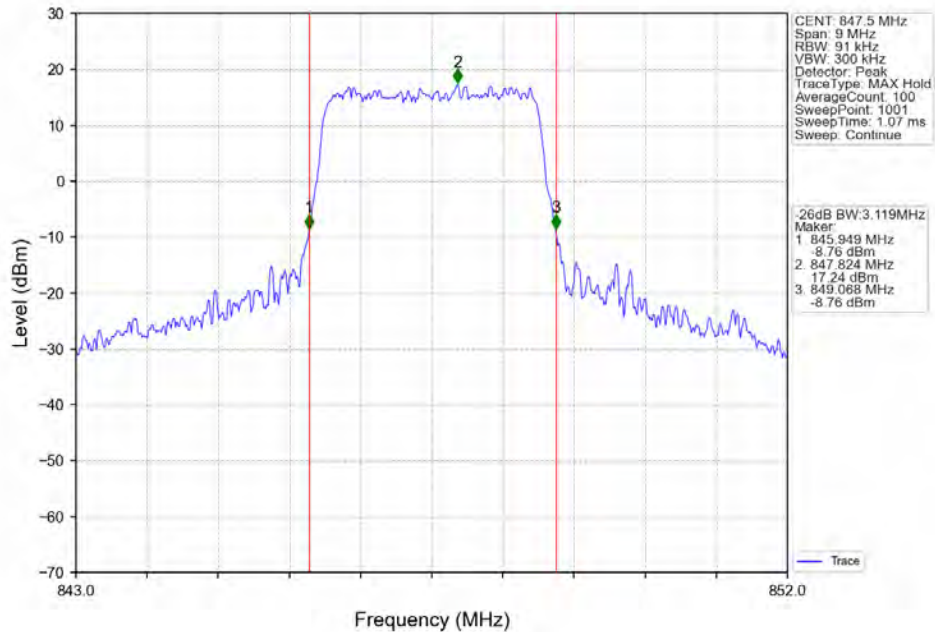
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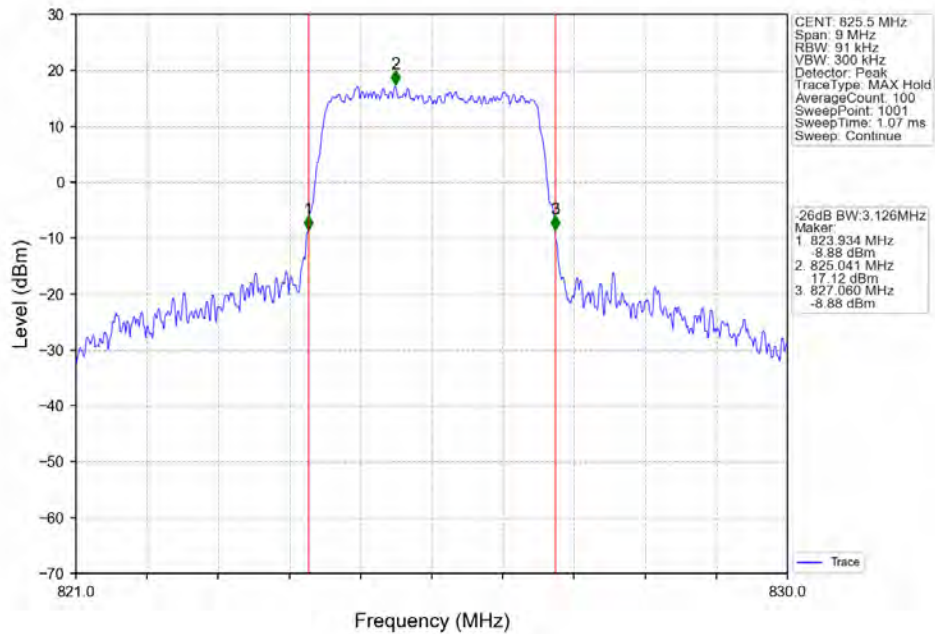
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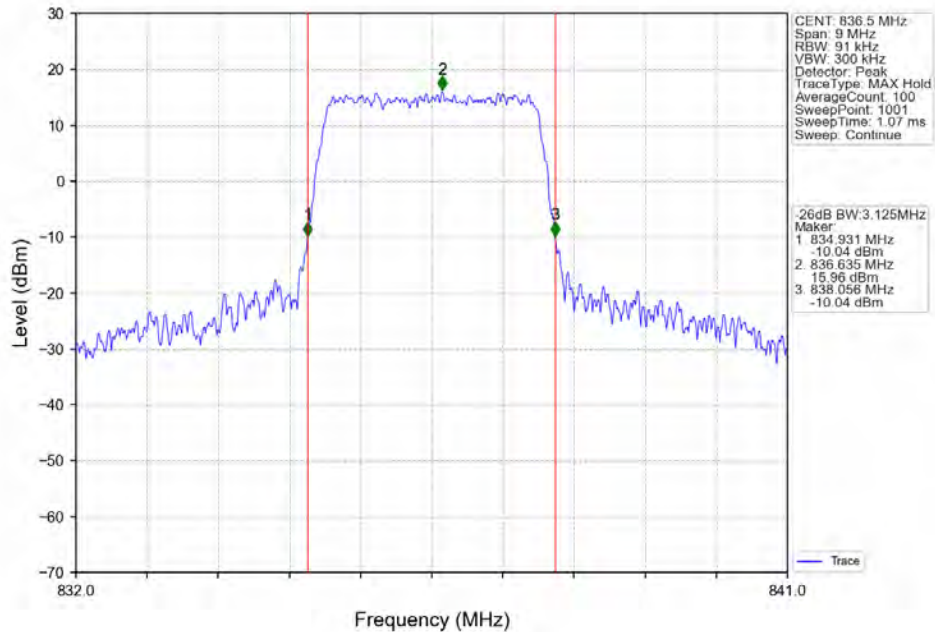
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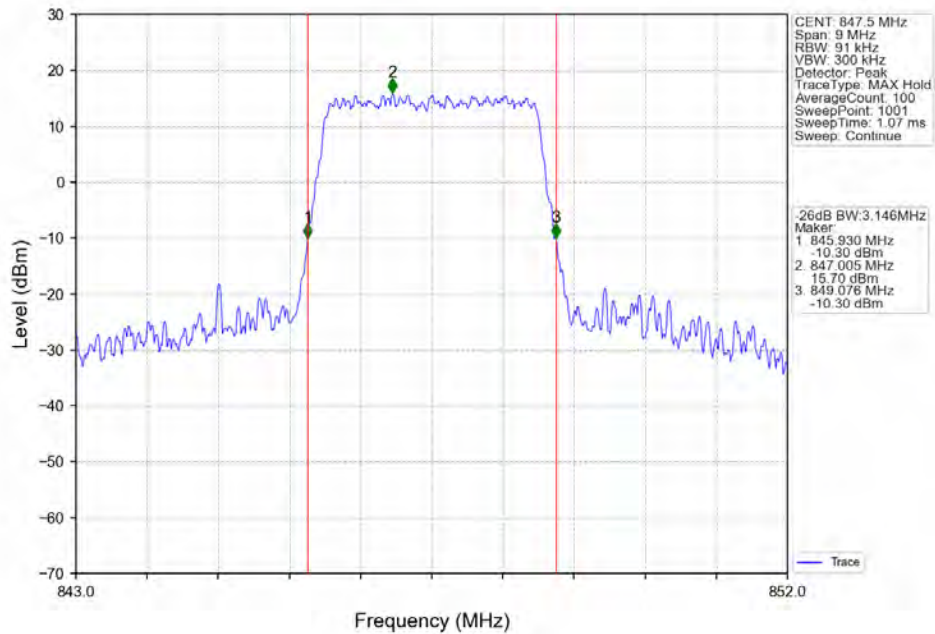
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Band5_3MHz_256QAM_LCH_825.5MHz_RB_15_0_NTNV



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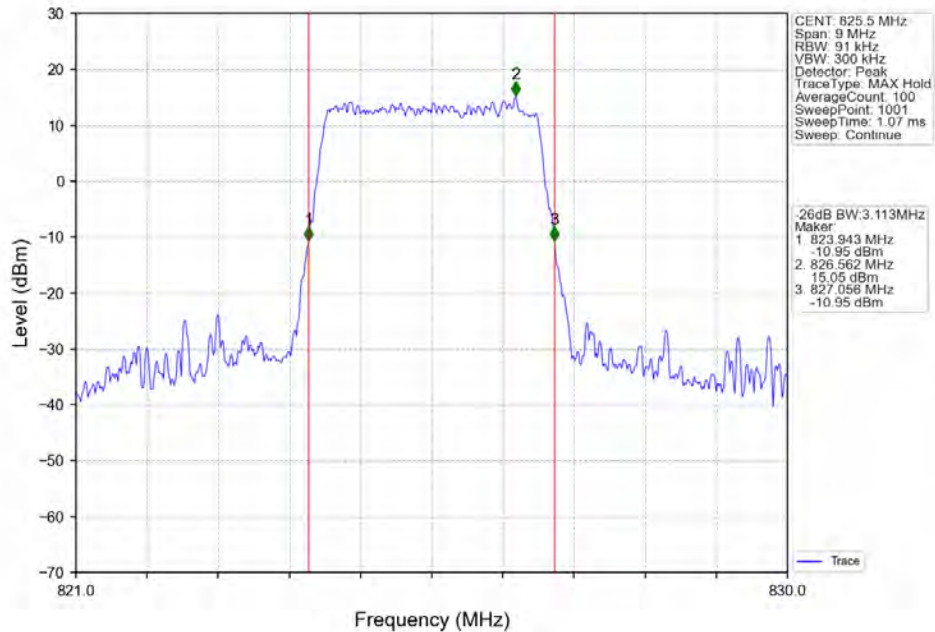
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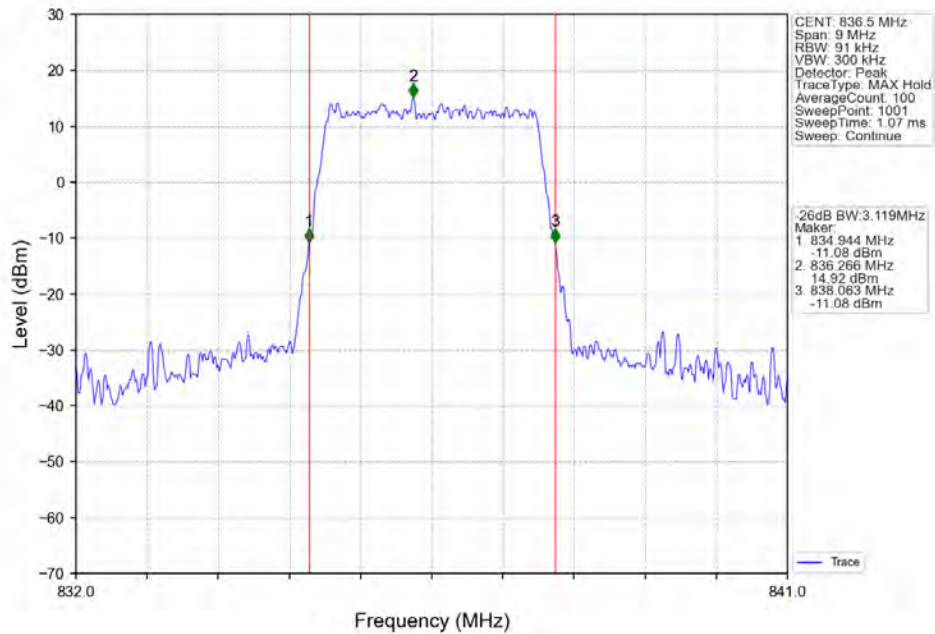
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Band5_3MHz_256QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_256QAM_HCH_847.5MHz_RB_15_0_NTNV



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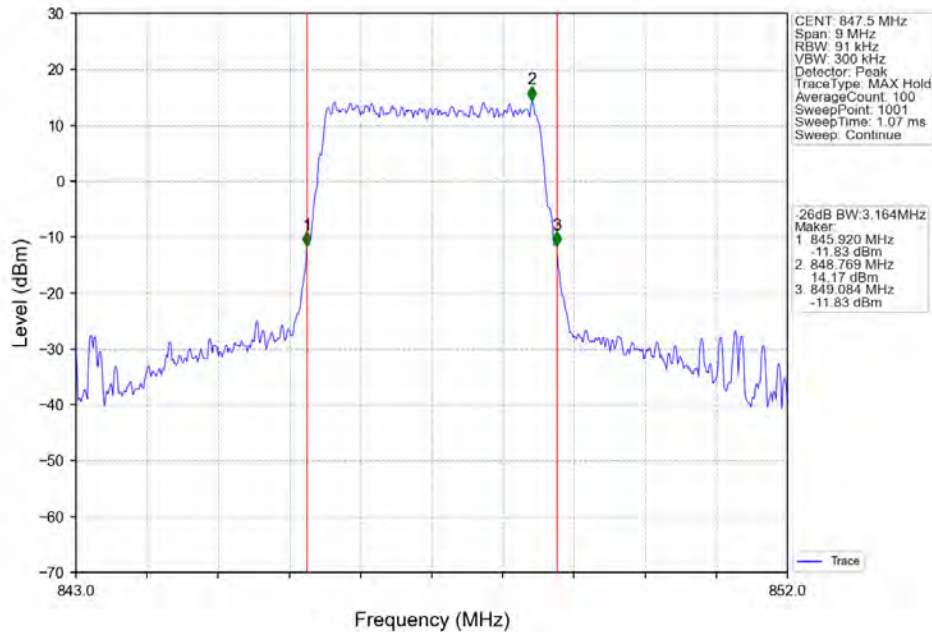
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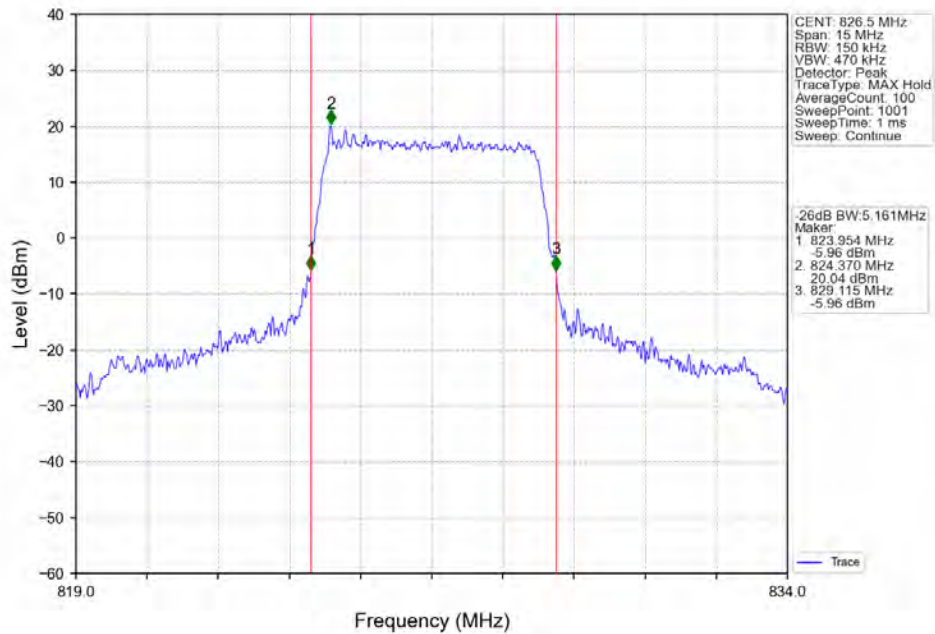
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Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



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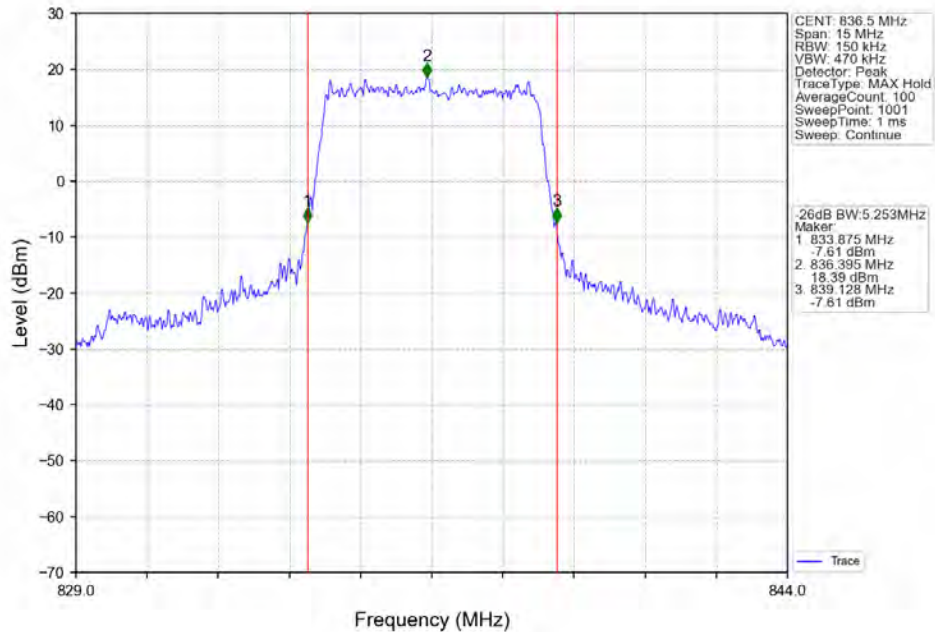
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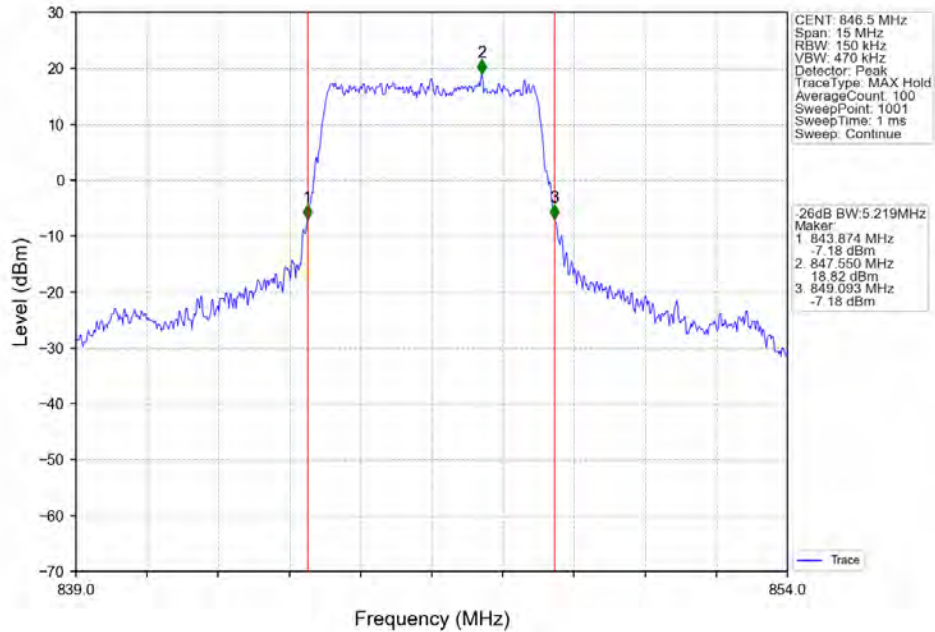
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Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



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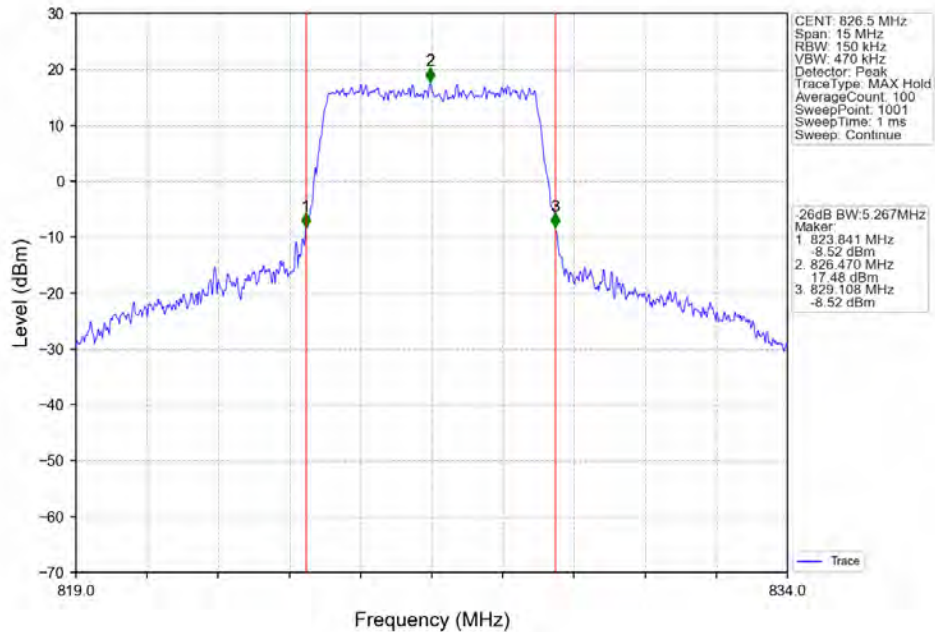
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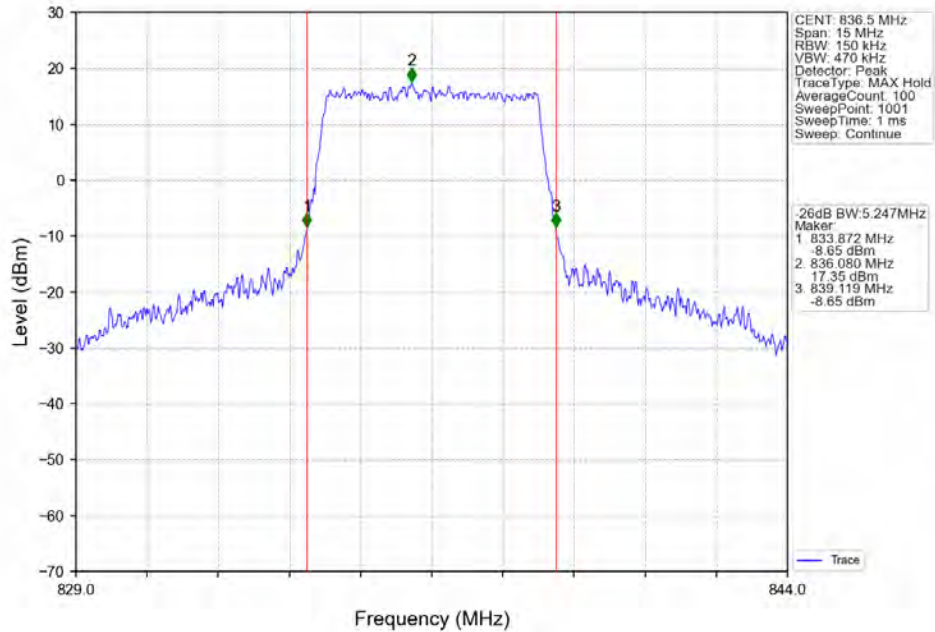
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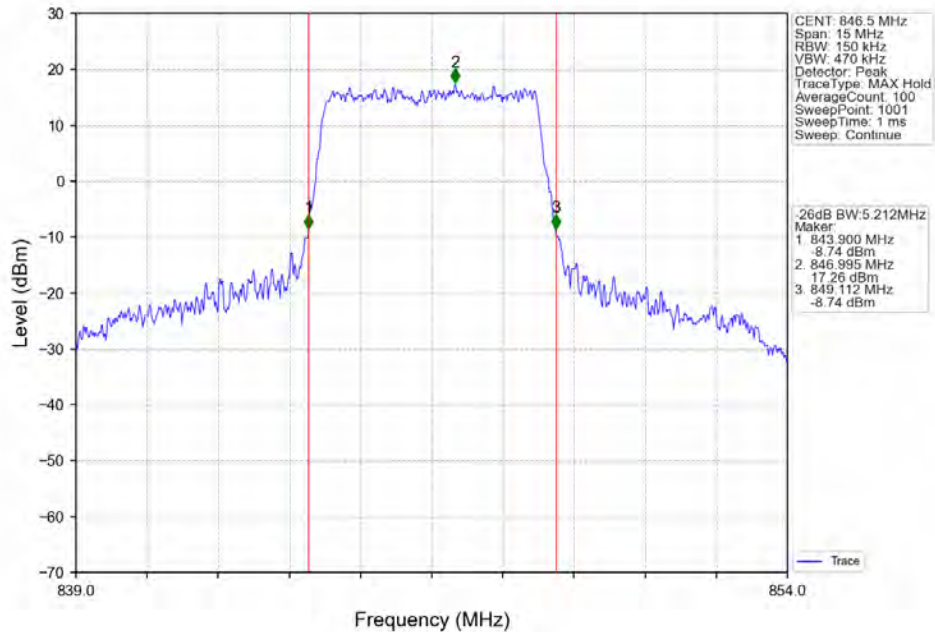
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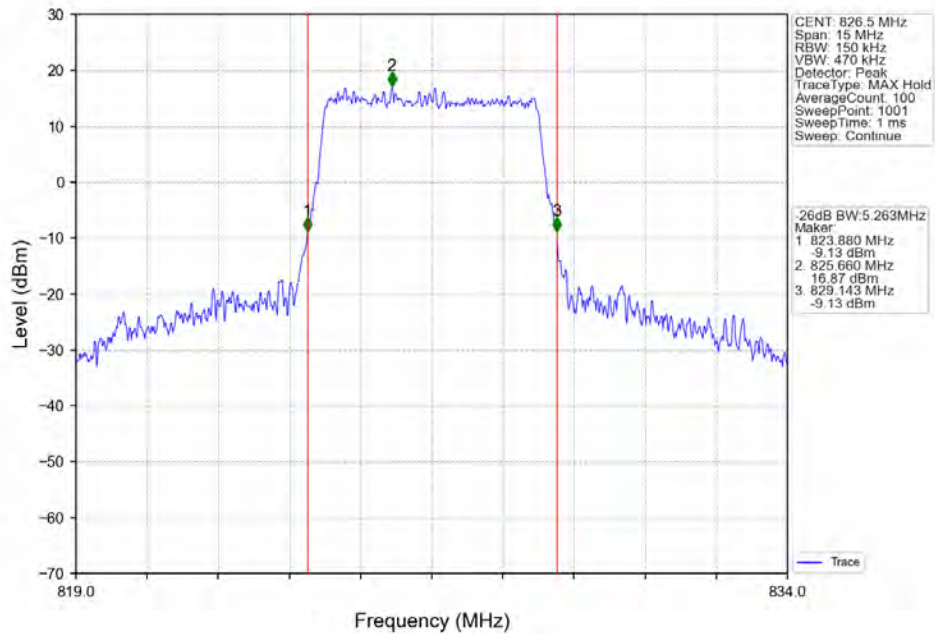
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Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



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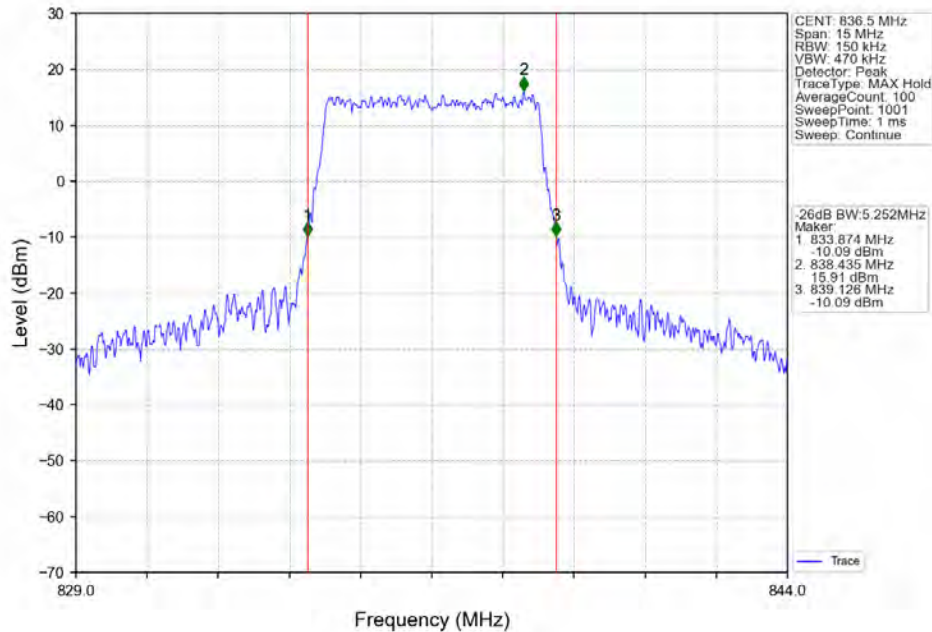
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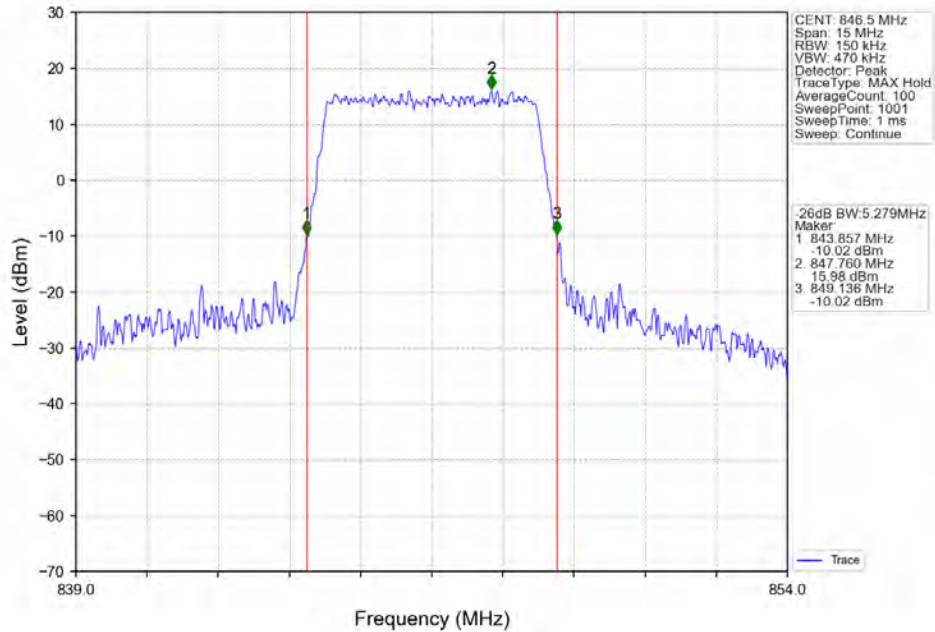
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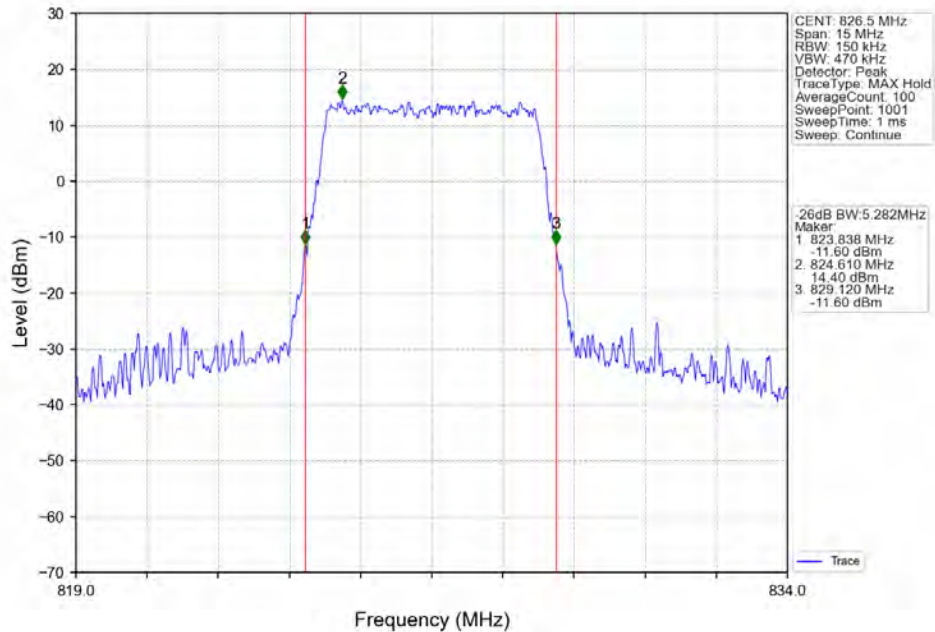
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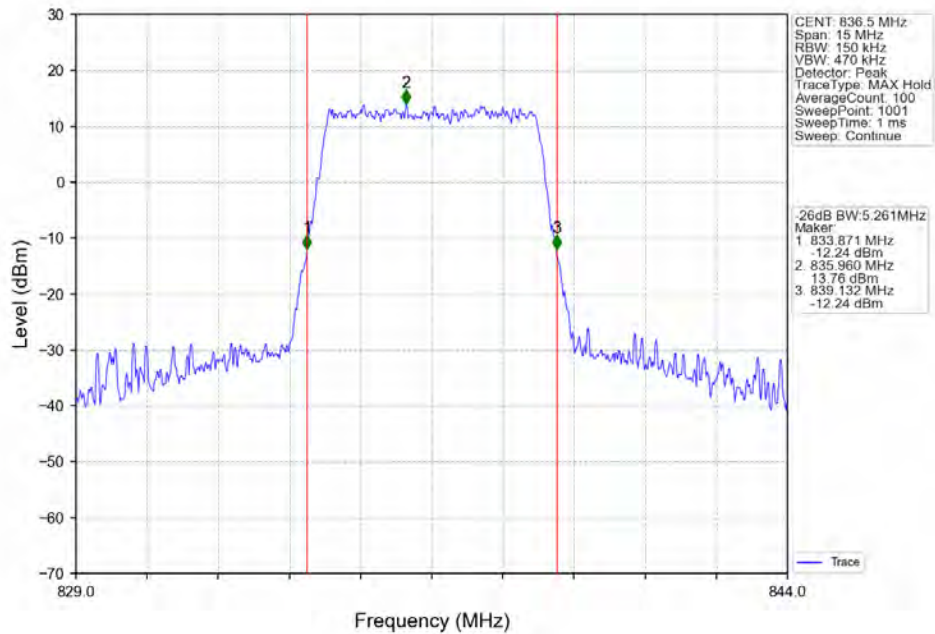
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Band5_5MHz_256QAM_HCH_846.5MHz_RB_25_0_NTNV



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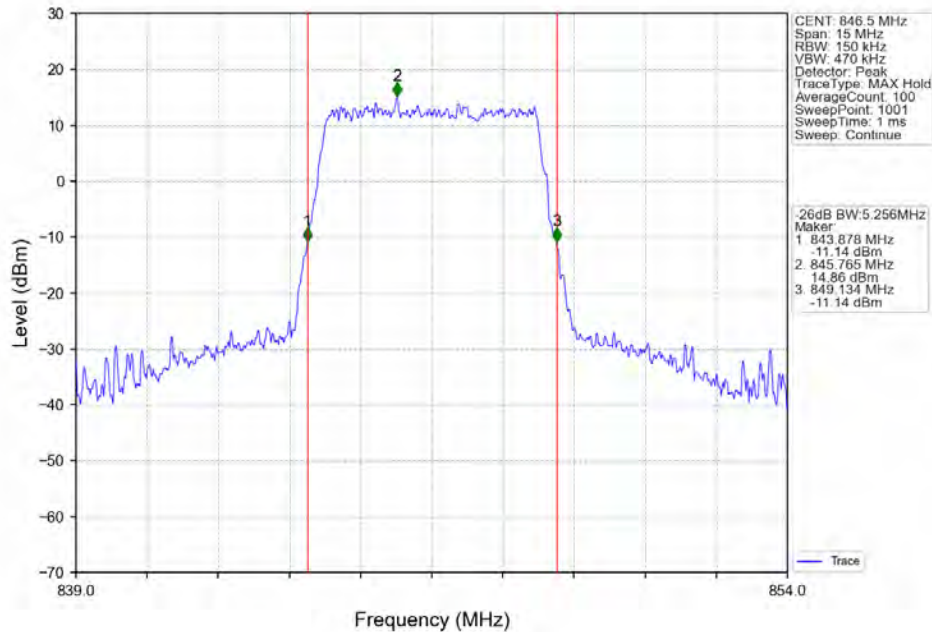
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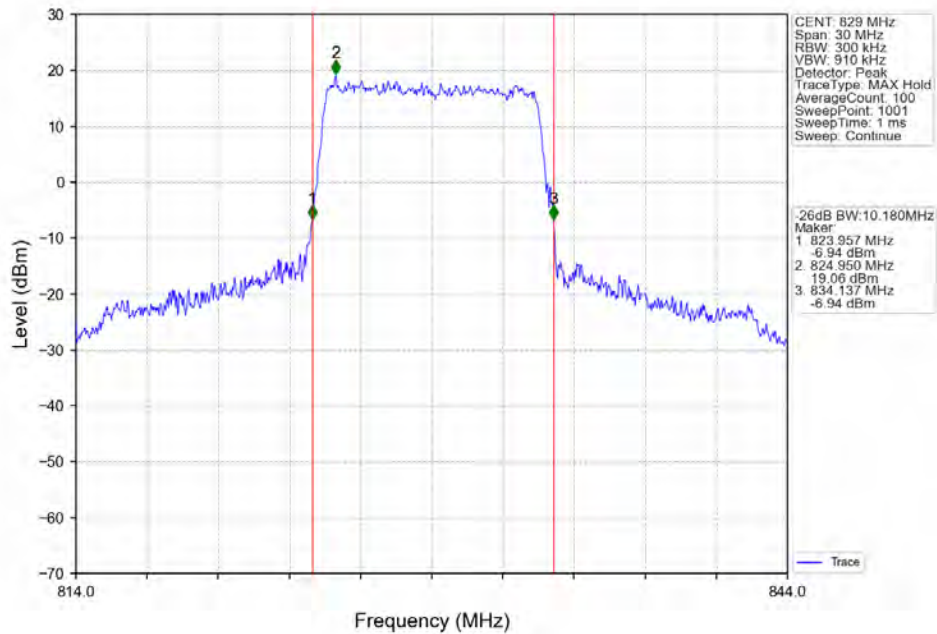
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Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



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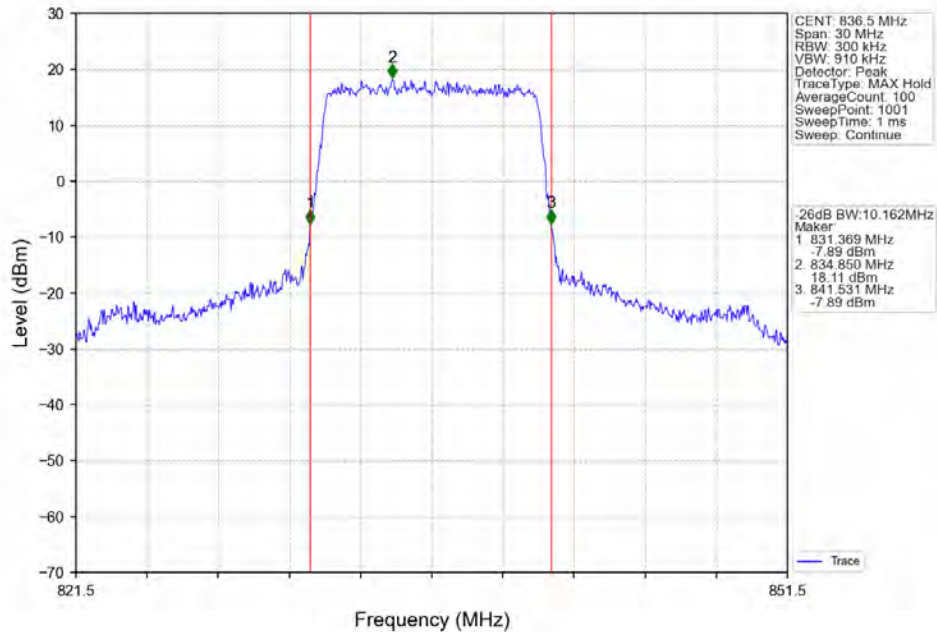
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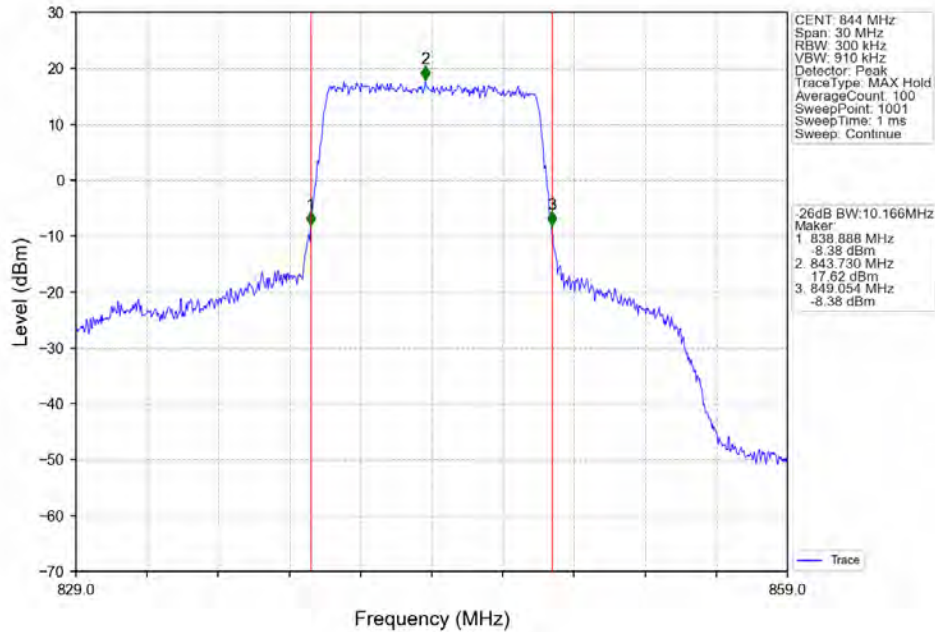
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Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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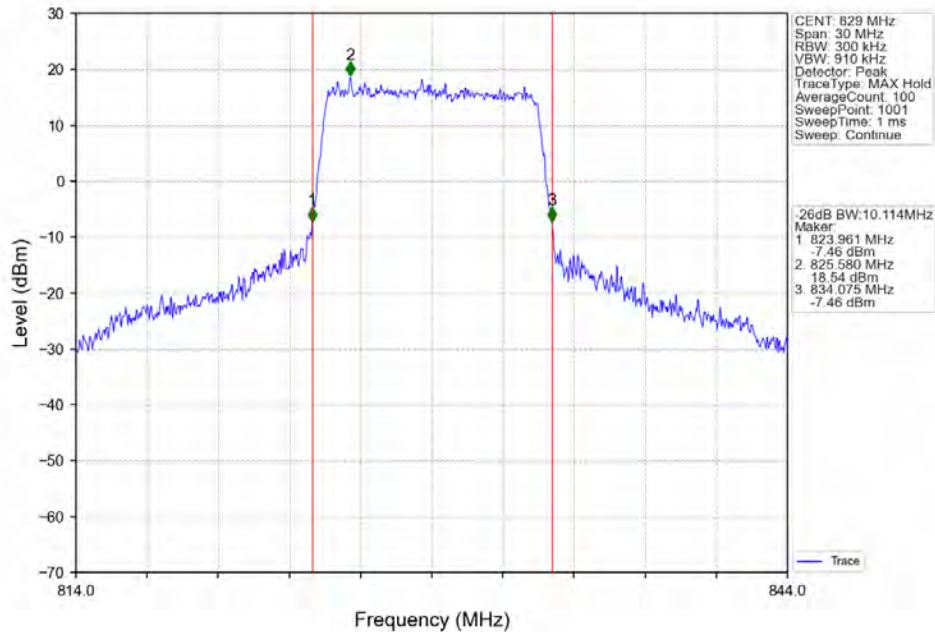
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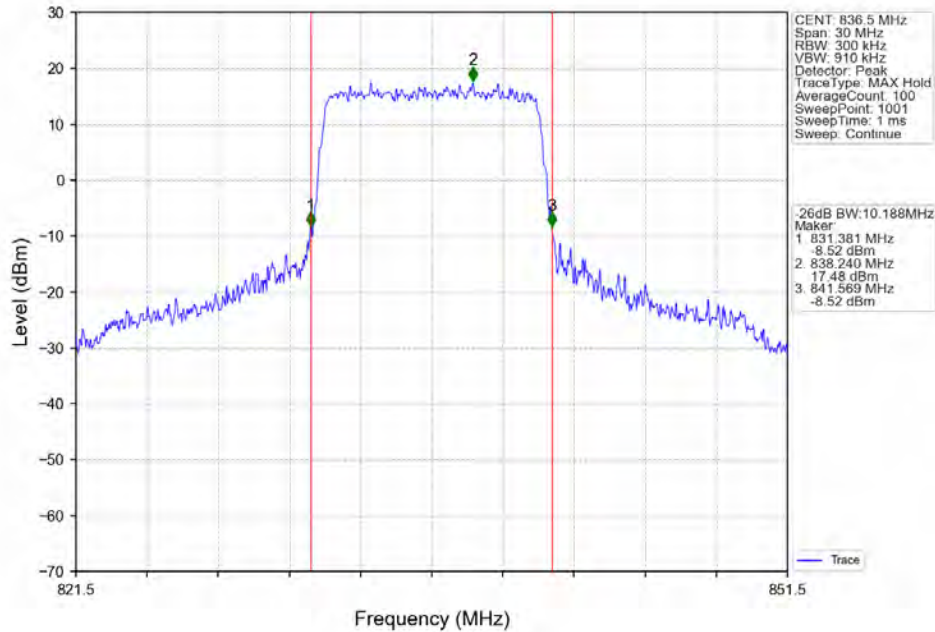
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Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



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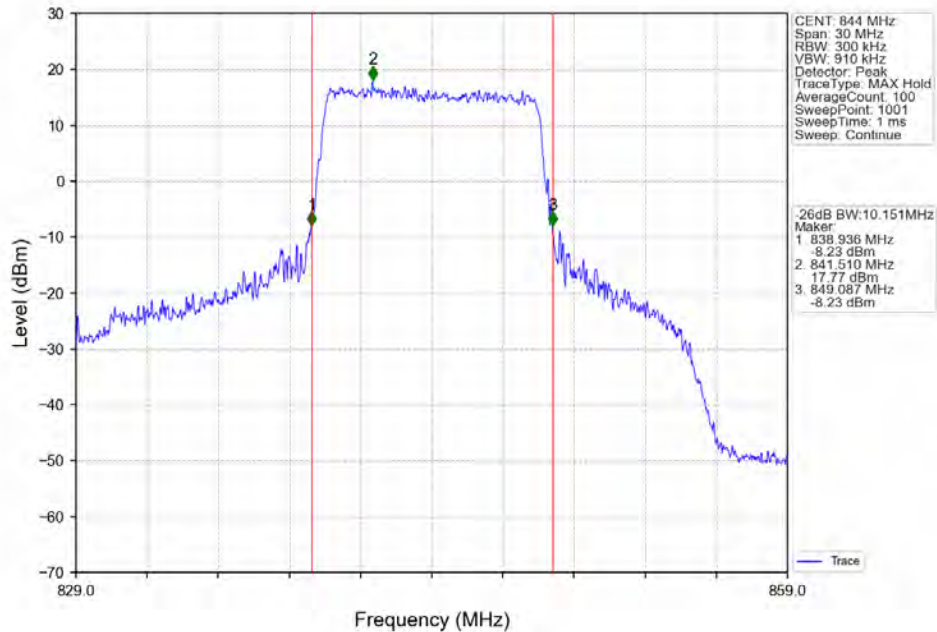
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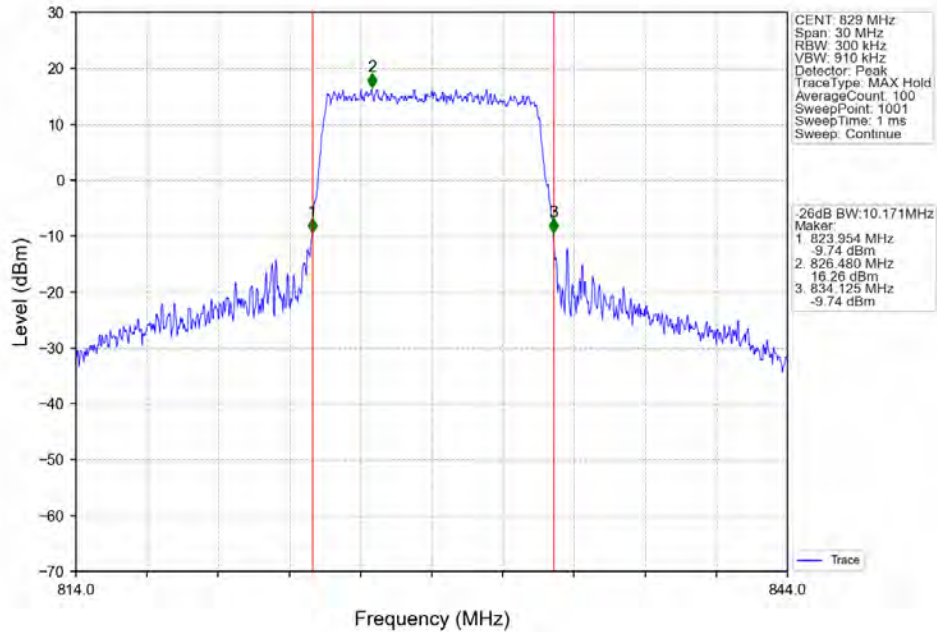
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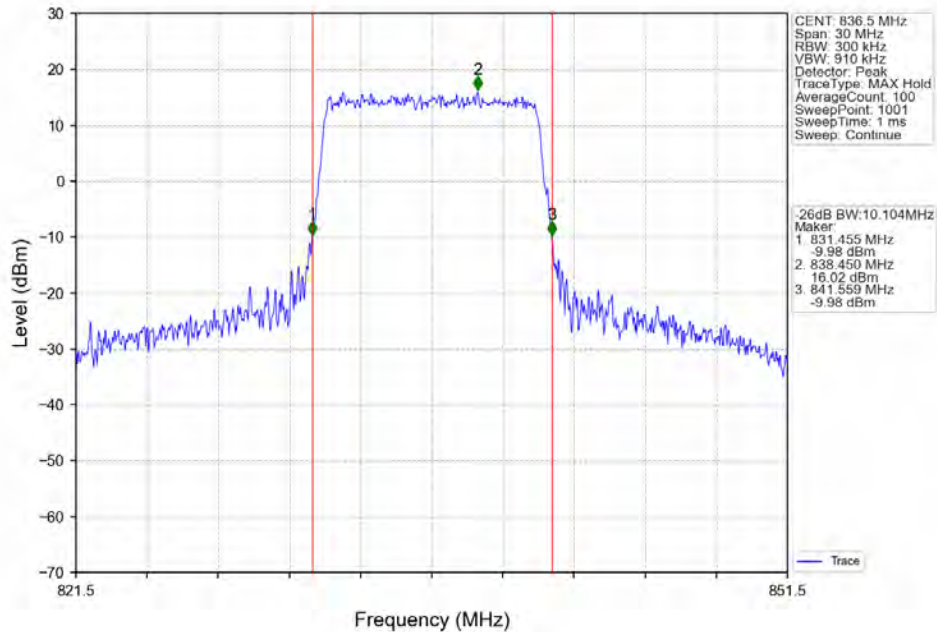
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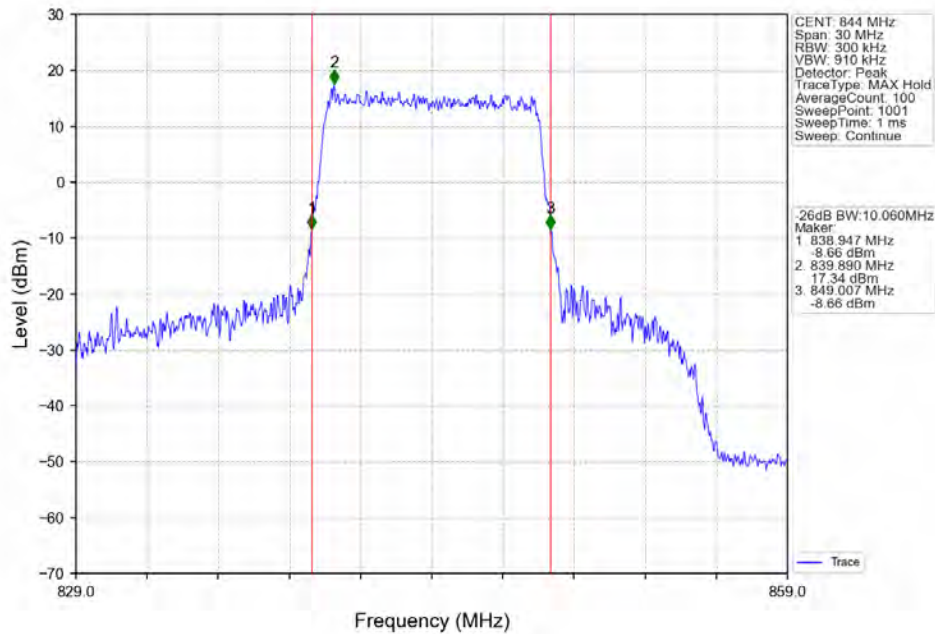
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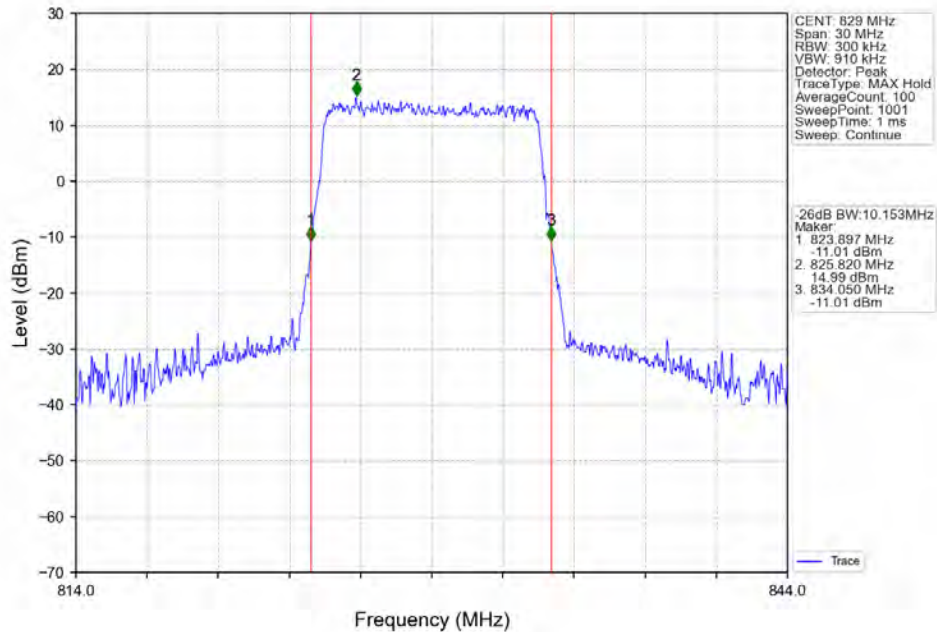
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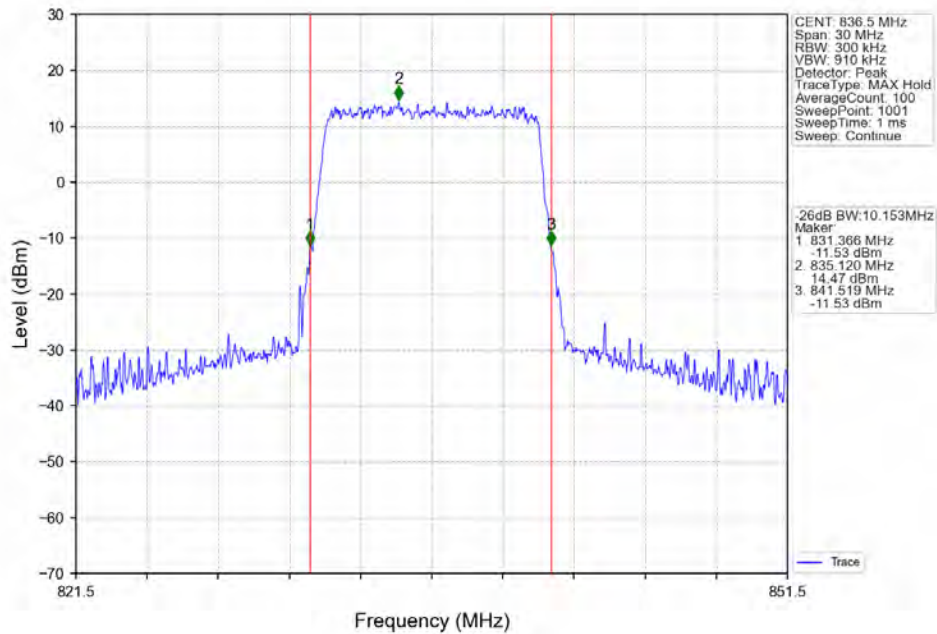
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Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_HCH_844MHz_RB_50_0_NTNV



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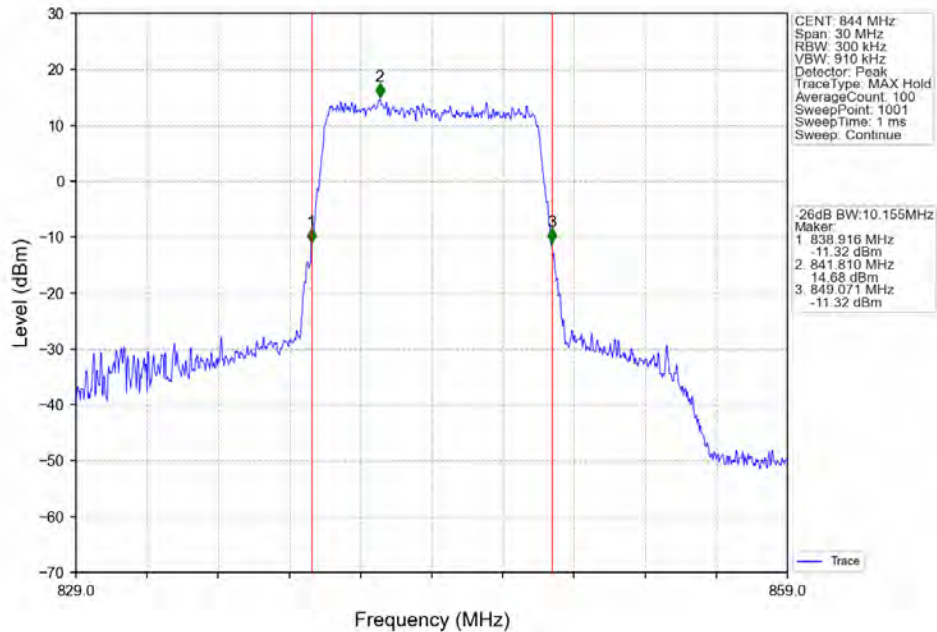
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5. Peak-Average Ratio

5.1 B5_1.4MHz

5.1.1 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	4.39	<=13	Pass
	836.5	6	0	4.67	<=13	Pass
	848.3	6	0	4.84	<=13	Pass
16QAM	824.7	6	0	5.33	<=13	Pass
	836.5	6	0	5.60	<=13	Pass
	848.3	6	0	5.80	<=13	Pass
64QAM	824.7	6	0	6.03	<=13	Pass
	836.5	6	0	6.33	<=13	Pass
	848.3	6	0	9.38	<=13	Pass
256QAM	824.7	6	0	6.82	<=13	Pass
	836.5	6	0	6.90	<=13	Pass
	848.3	6	0	6.98	<=13	Pass



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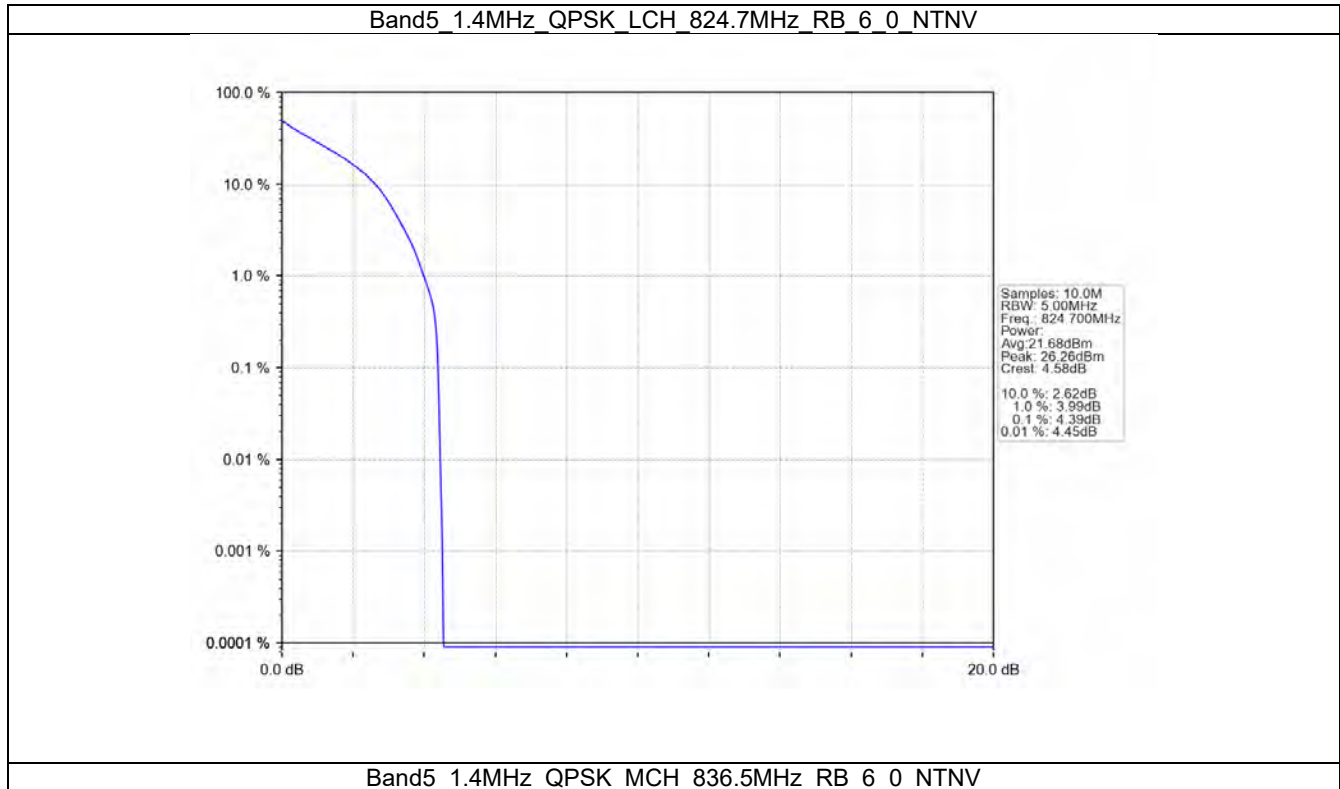
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5.1.2 Test Graph



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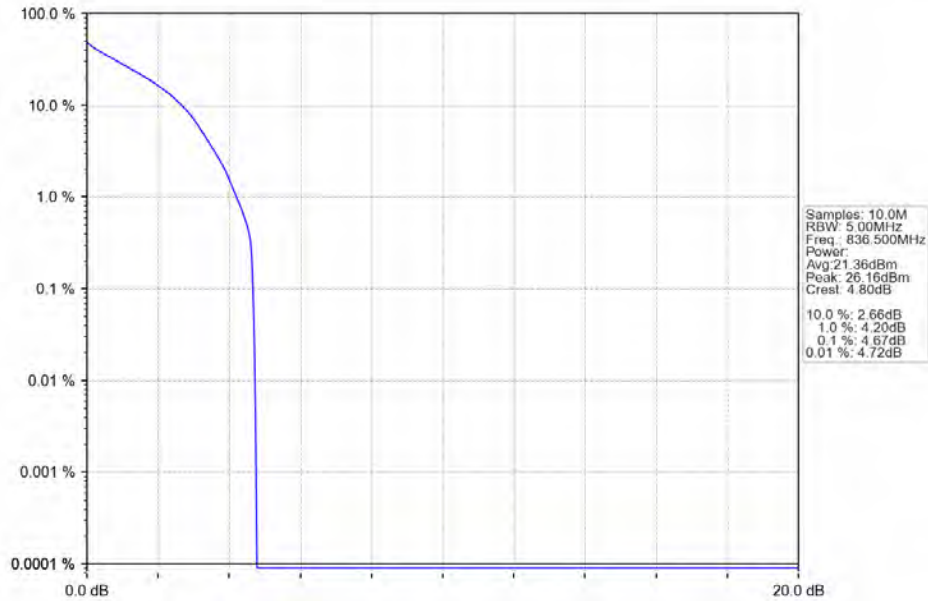
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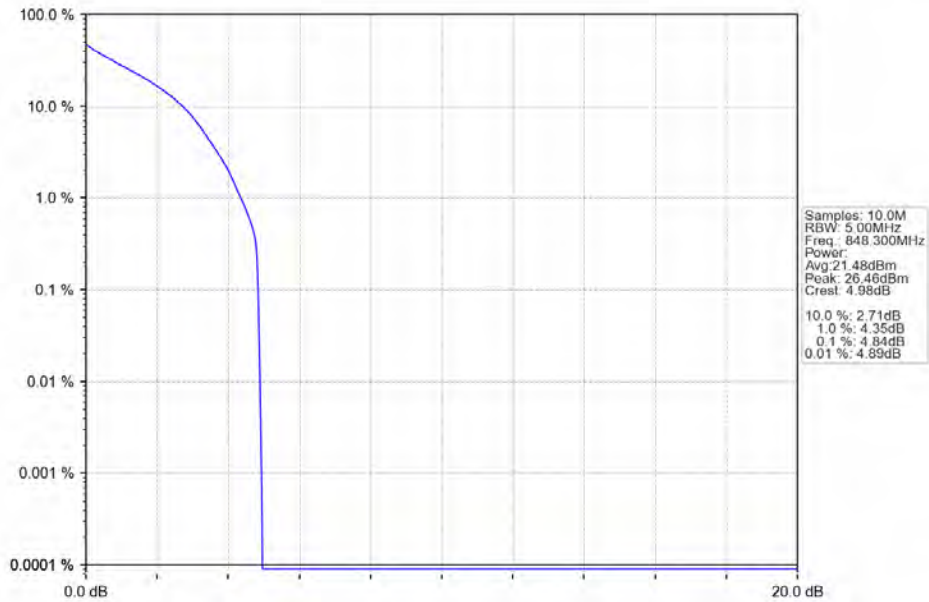
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Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



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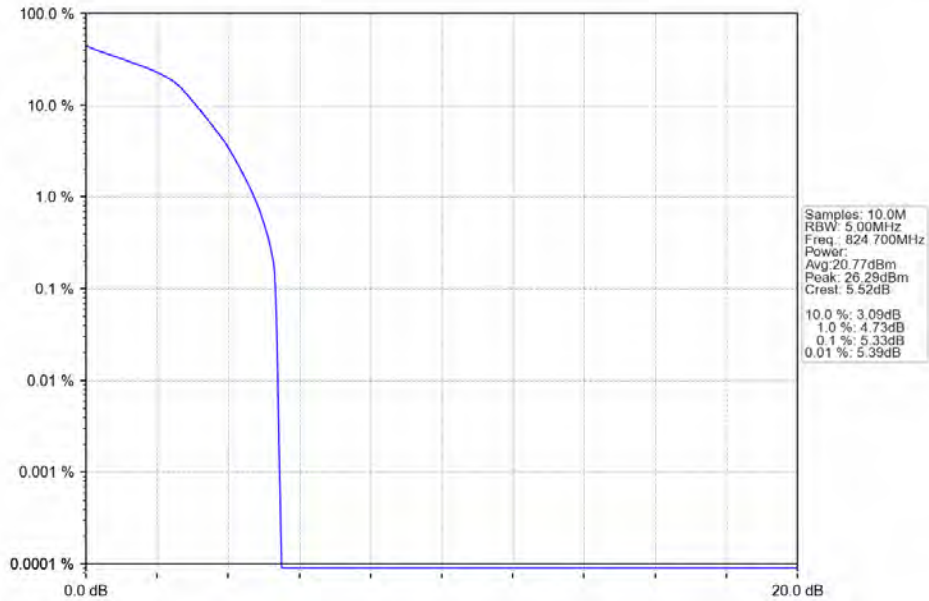
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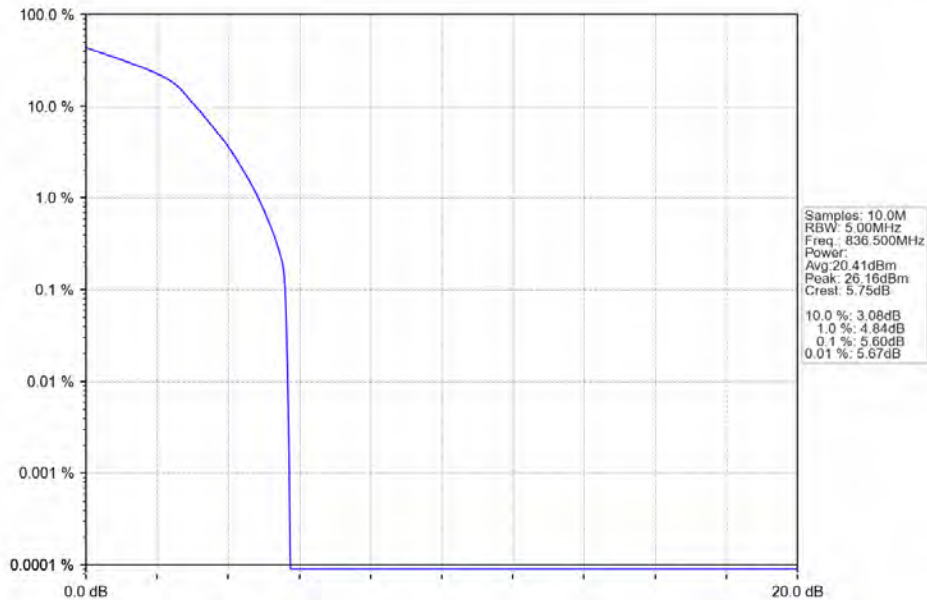
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Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



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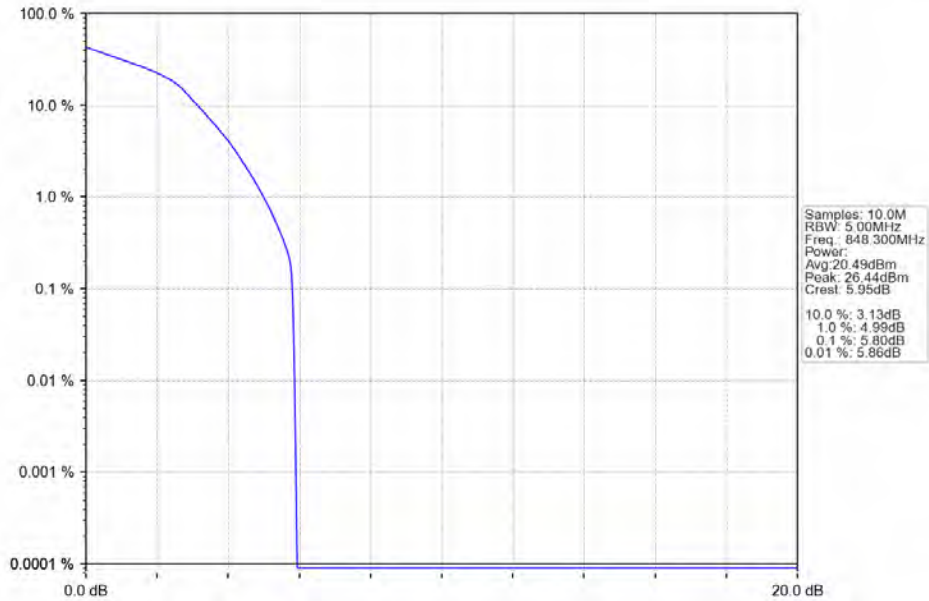
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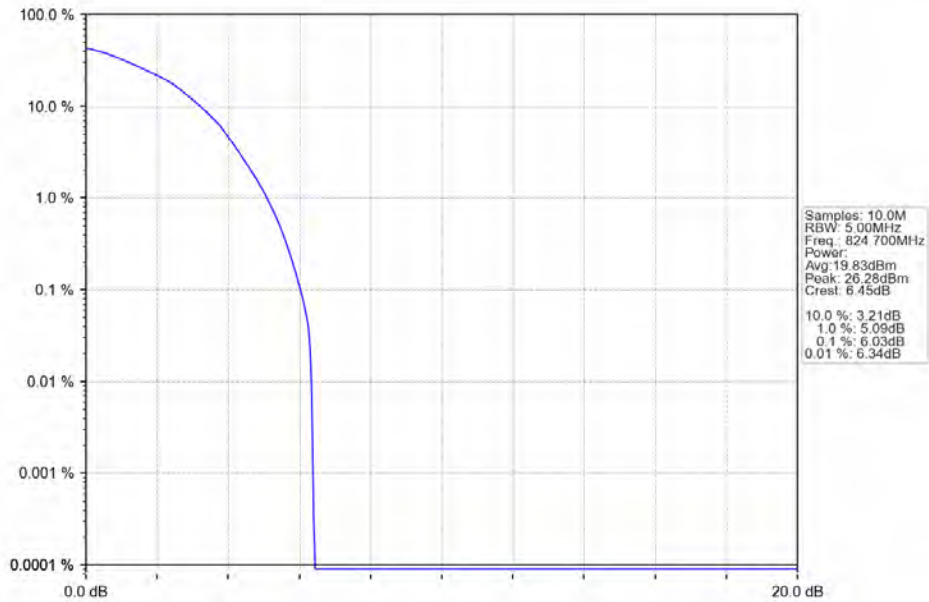
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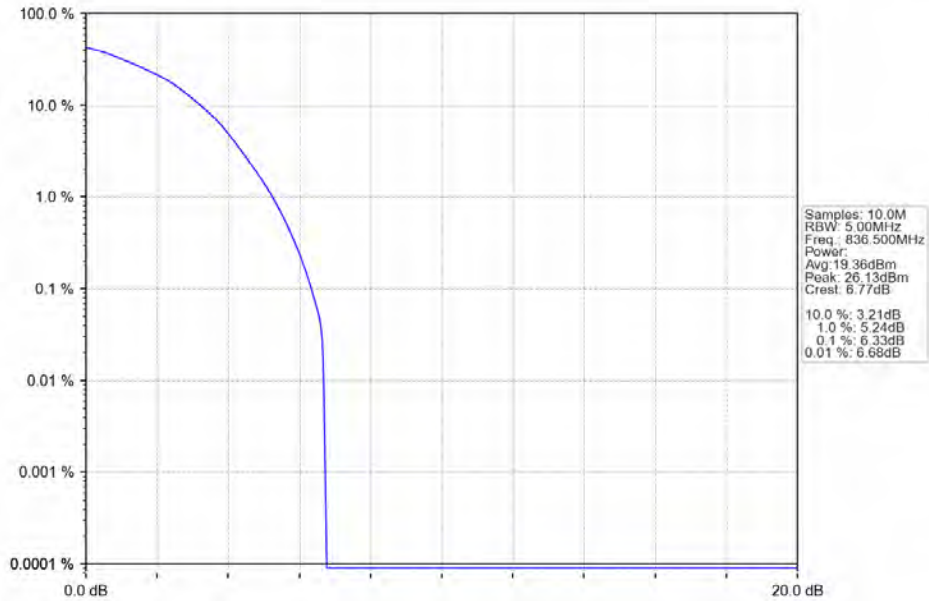
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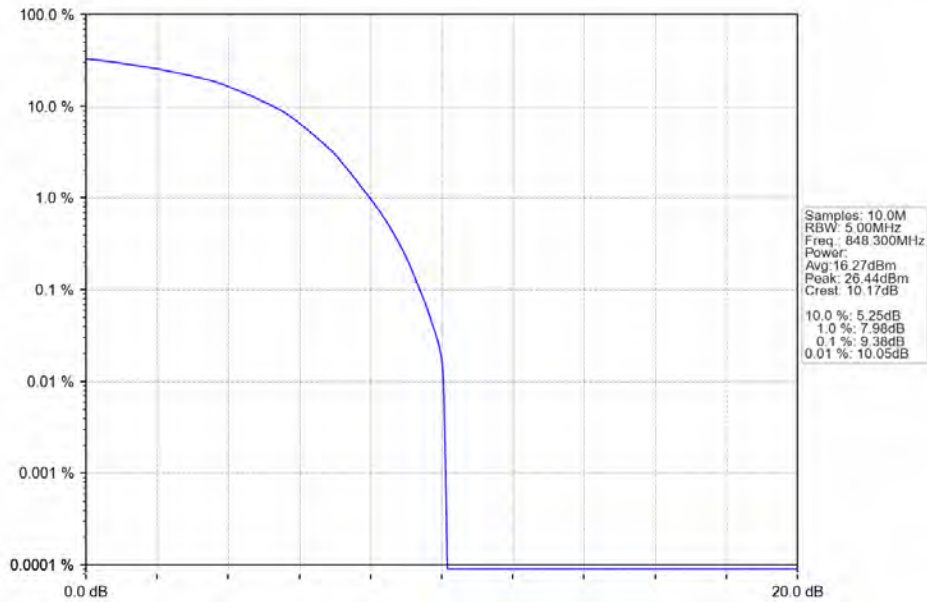
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Band5_1.4MHz_256QAM_LCH_824.7MHz_RB_6_0_NTNV



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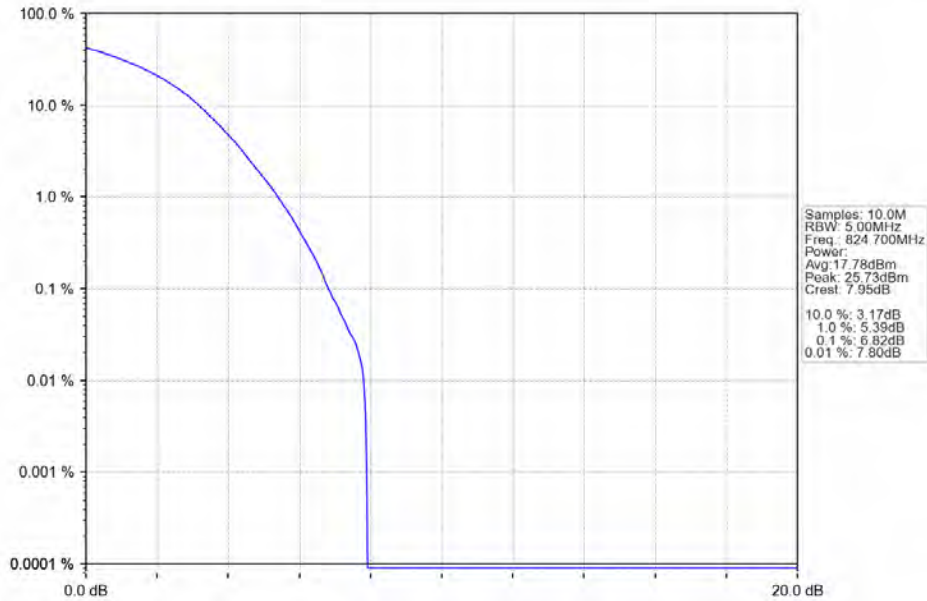
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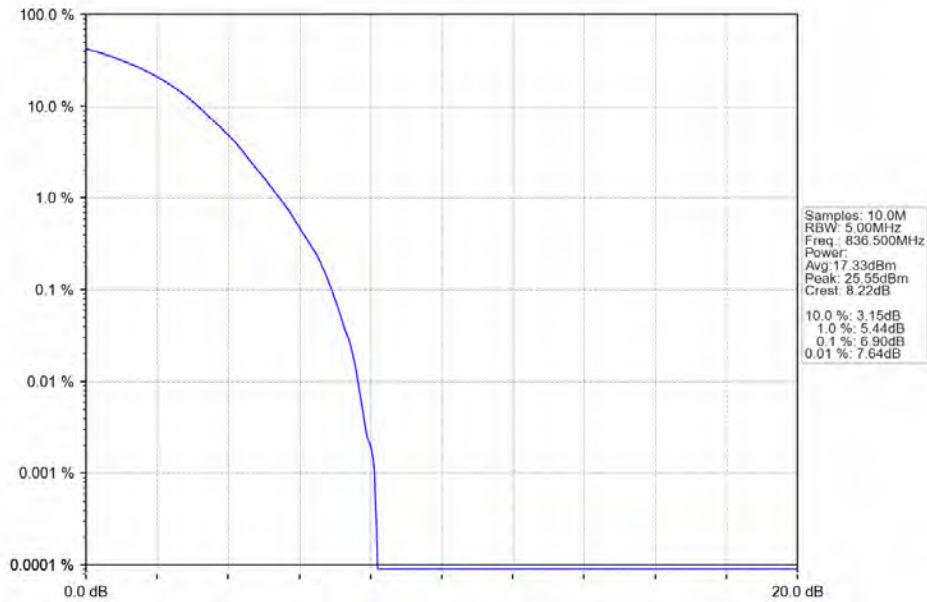
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Band5_1.4MHz_256QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_256QAM_HCH_848.3MHz_RB_6_0_NTNV



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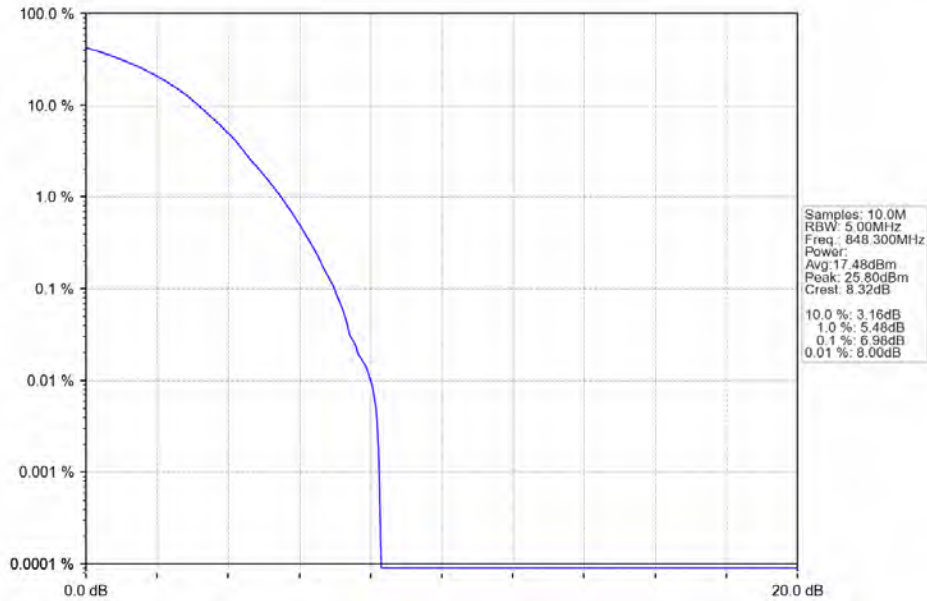
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5.2 B5_3MHz

5.2.1 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	4.58	<=13	Pass
	836.5	15	0	4.84	<=13	Pass
	847.5	15	0	5.11	<=13	Pass
16QAM	825.5	15	0	5.46	<=13	Pass
	836.5	15	0	5.75	<=13	Pass
	847.5	15	0	6.03	<=13	Pass
64QAM	825.5	15	0	6.12	<=13	Pass
	836.5	15	0	10.07	<=13	Pass
	847.5	15	0	10.40	<=13	Pass
256QAM	825.5	15	0	6.77	<=13	Pass
	836.5	15	0	6.89	<=13	Pass
	847.5	15	0	7.02	<=13	Pass



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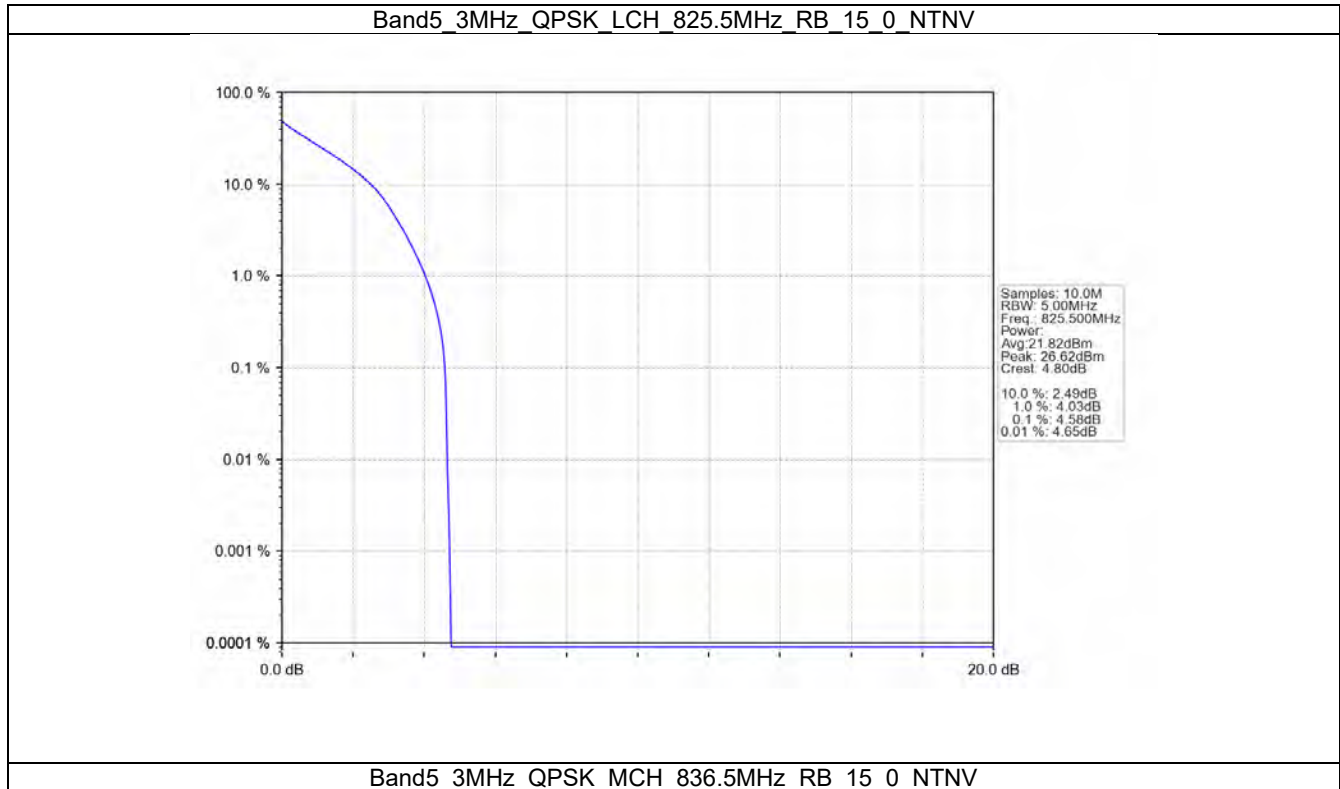
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5.2.2 Test Graph



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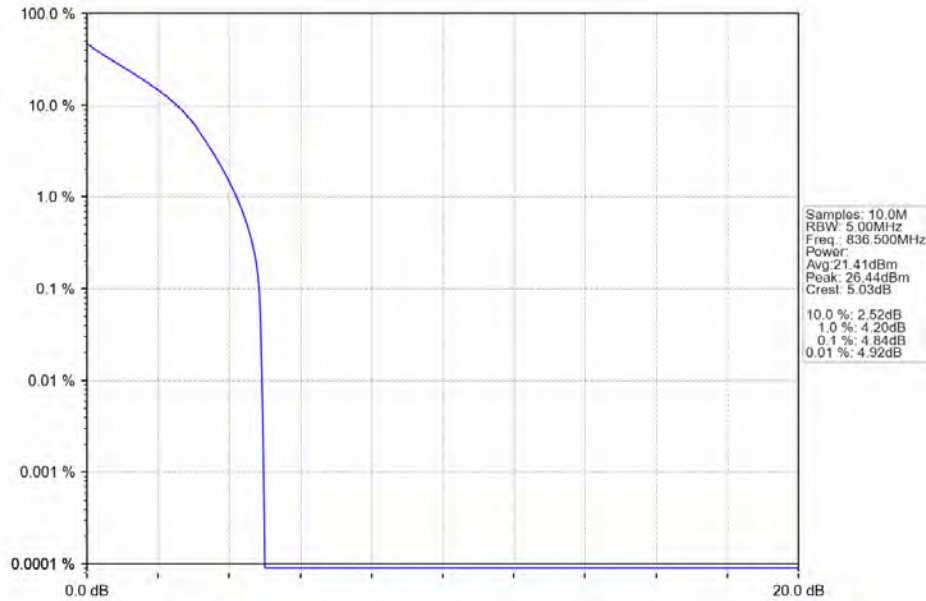
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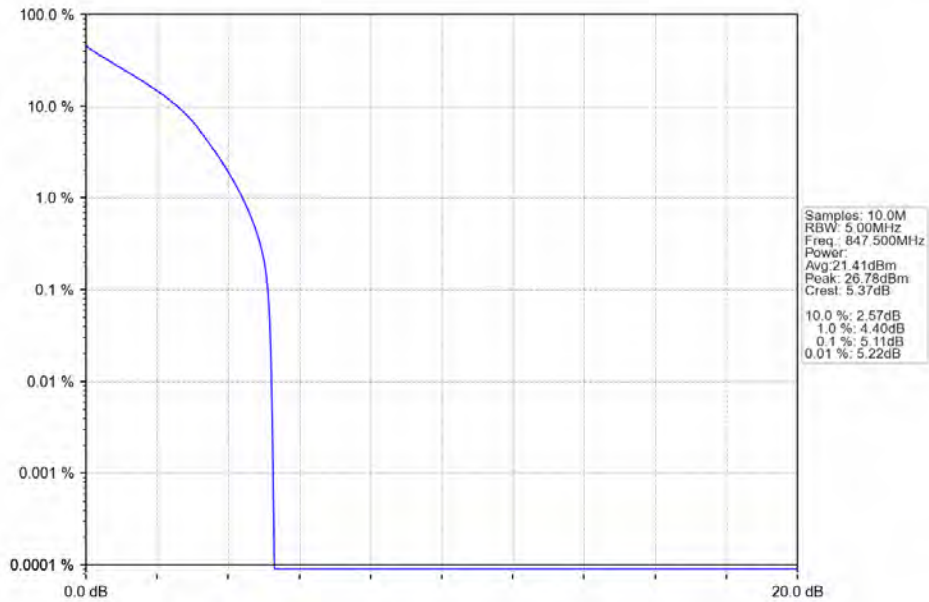
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Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



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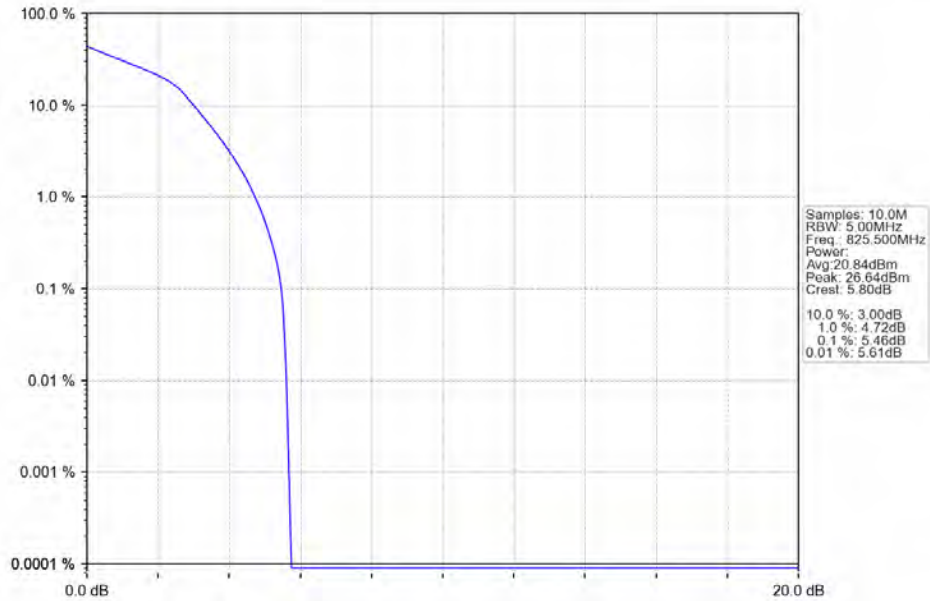
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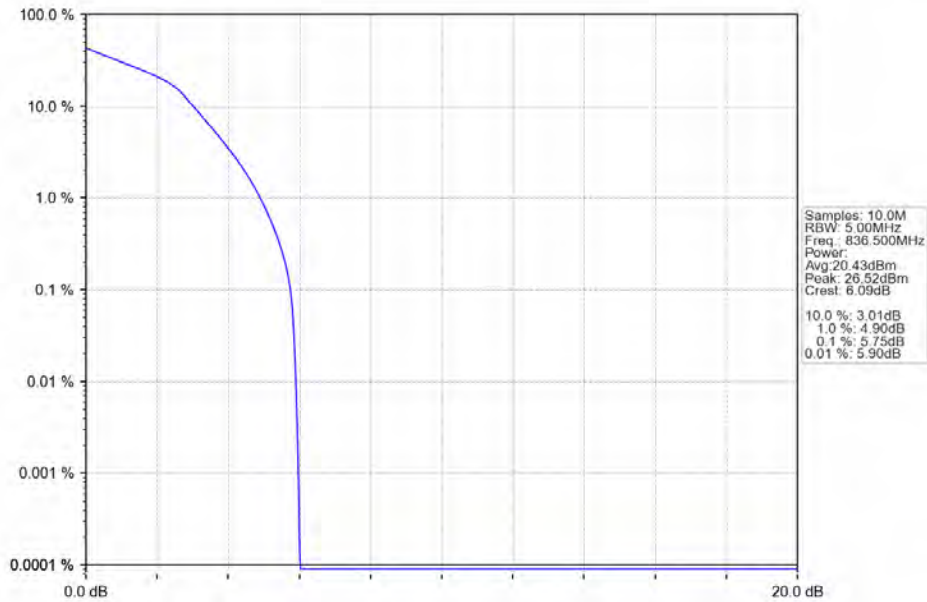
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Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



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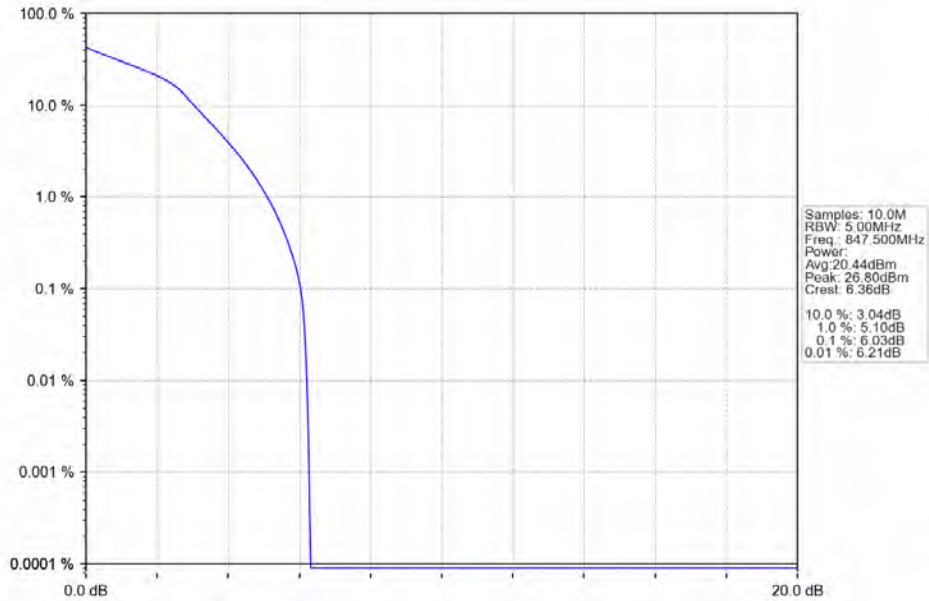
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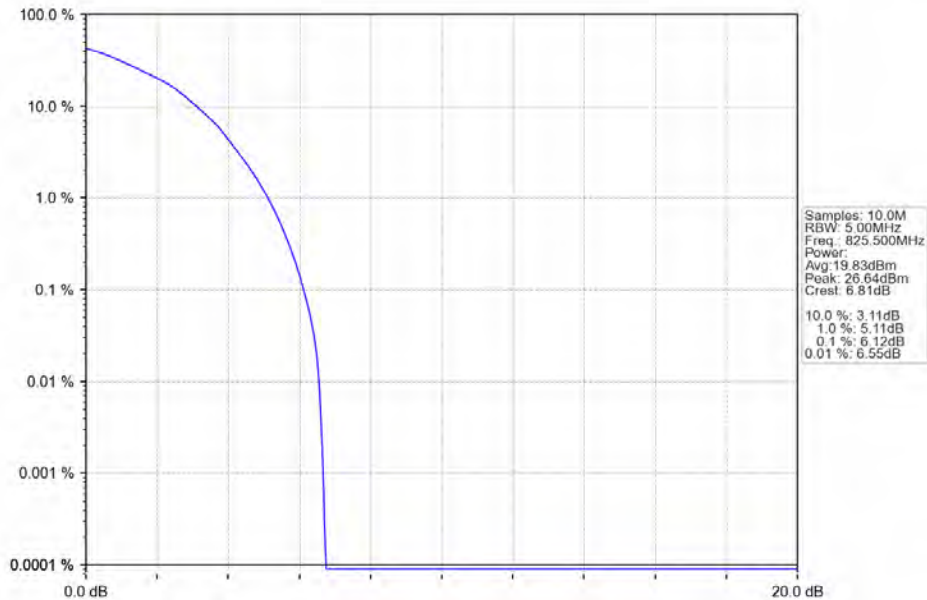
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Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



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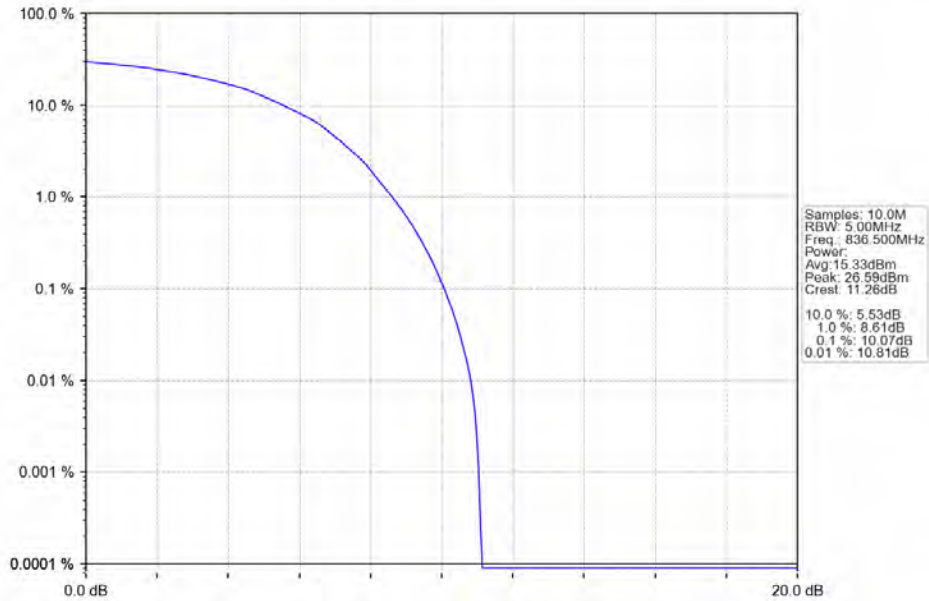
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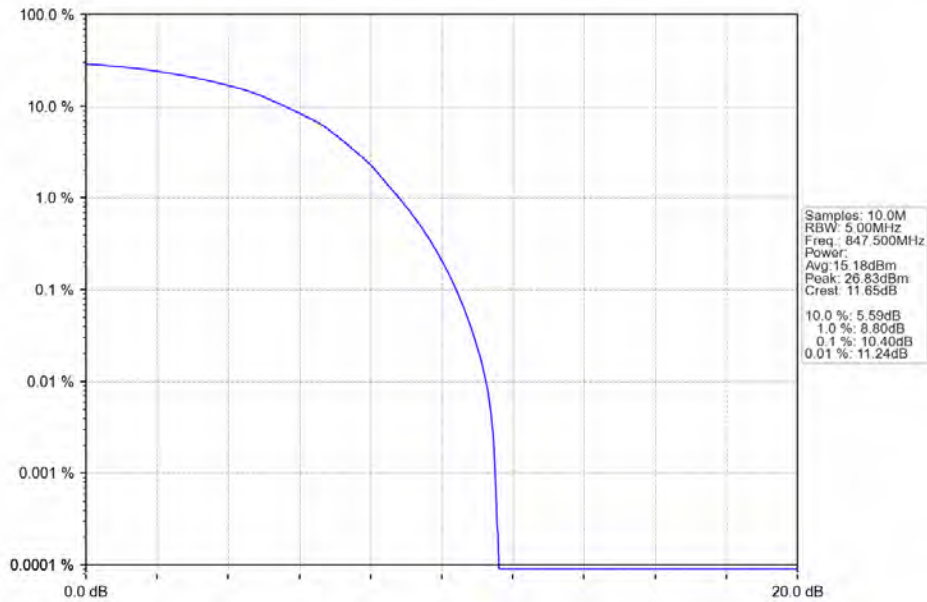
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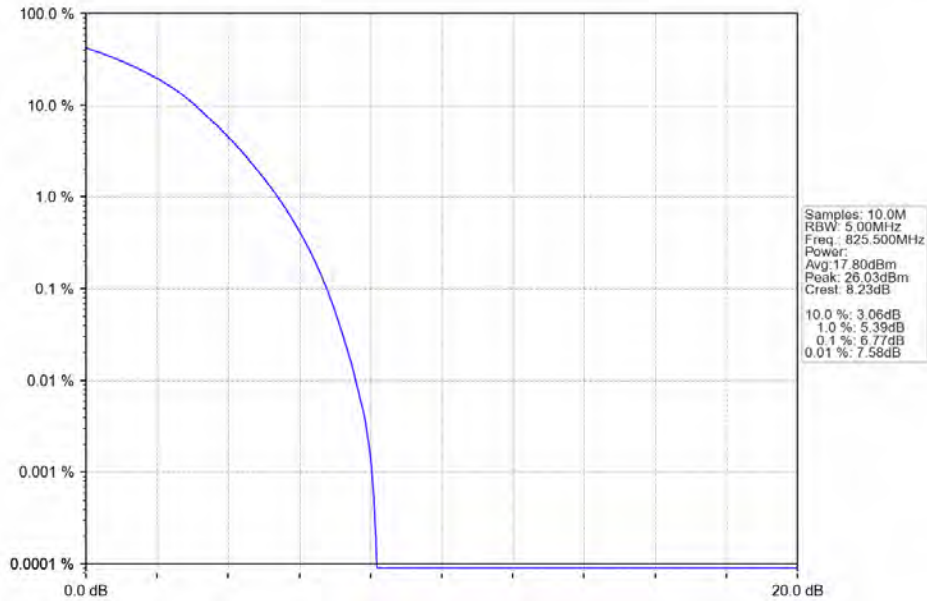
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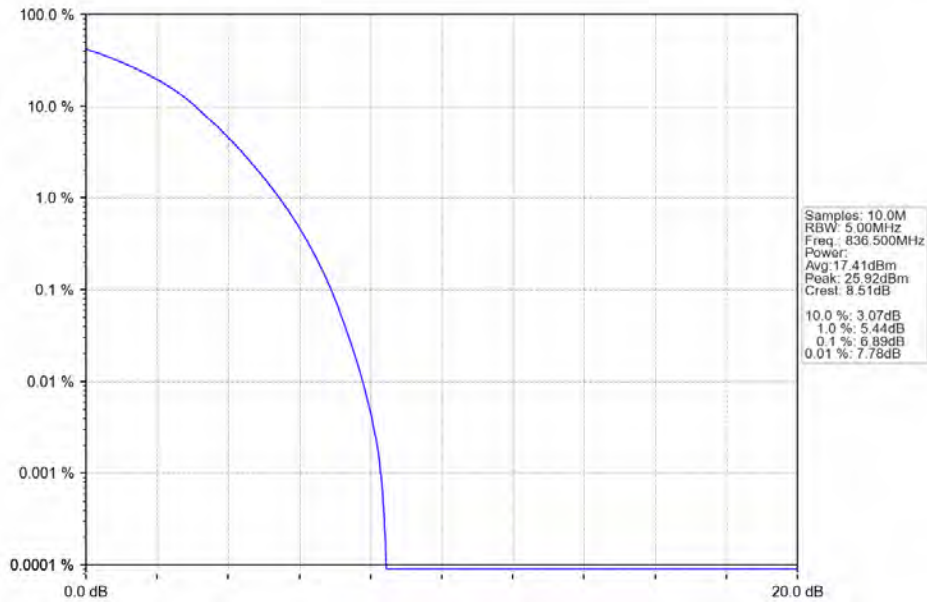
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Band5_3MHz_256QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_256QAM_HCH_847.5MHz_RB_15_0_NTNV



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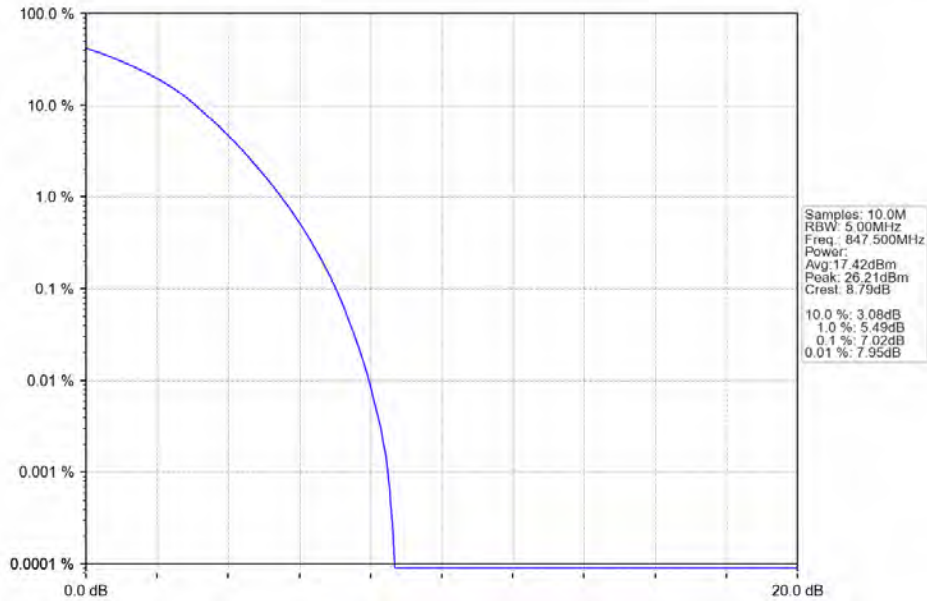
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5.3 B5_5MHz

5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	4.97	<=13	Pass
	836.5	25	0	5.11	<=13	Pass
	846.5	25	0	5.33	<=13	Pass
16QAM	826.5	25	0	5.81	<=13	Pass
	836.5	25	0	5.96	<=13	Pass
	846.5	25	0	6.19	<=13	Pass
64QAM	826.5	25	0	9.51	<=13	Pass
	836.5	25	0	10.34	<=13	Pass
	846.5	25	0	10.66	<=13	Pass
256QAM	826.5	25	0	6.78	<=13	Pass
	836.5	25	0	6.86	<=13	Pass
	846.5	25	0	6.96	<=13	Pass



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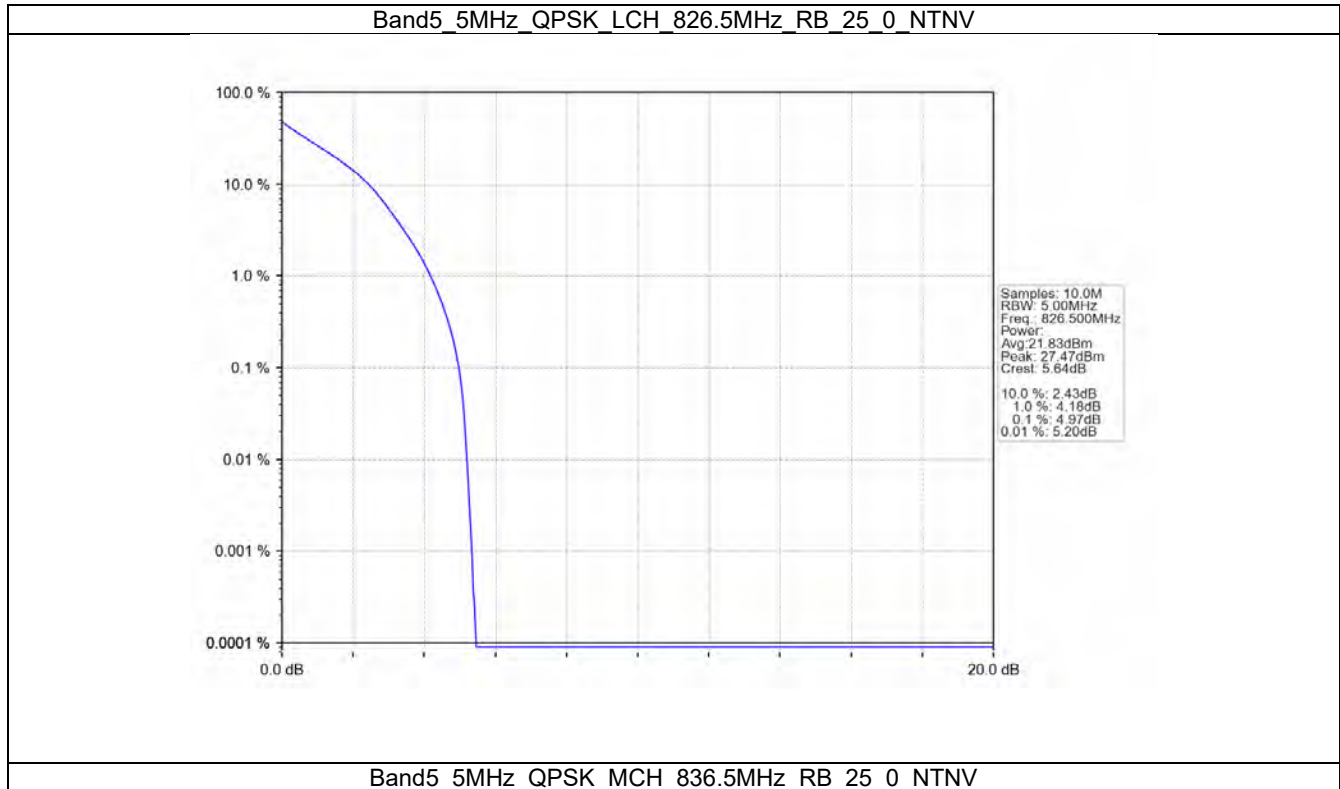
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5.3.2 Test Graph



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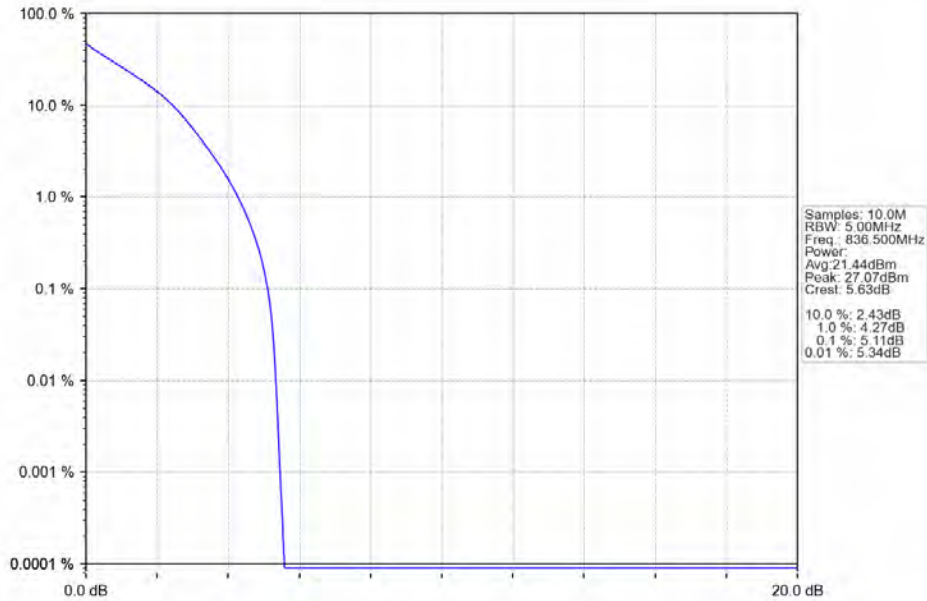
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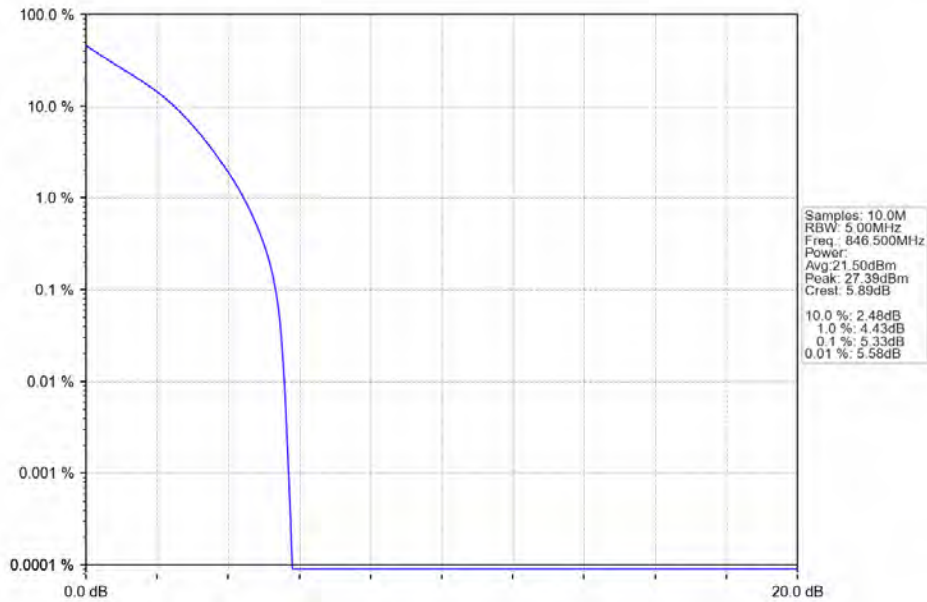
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Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



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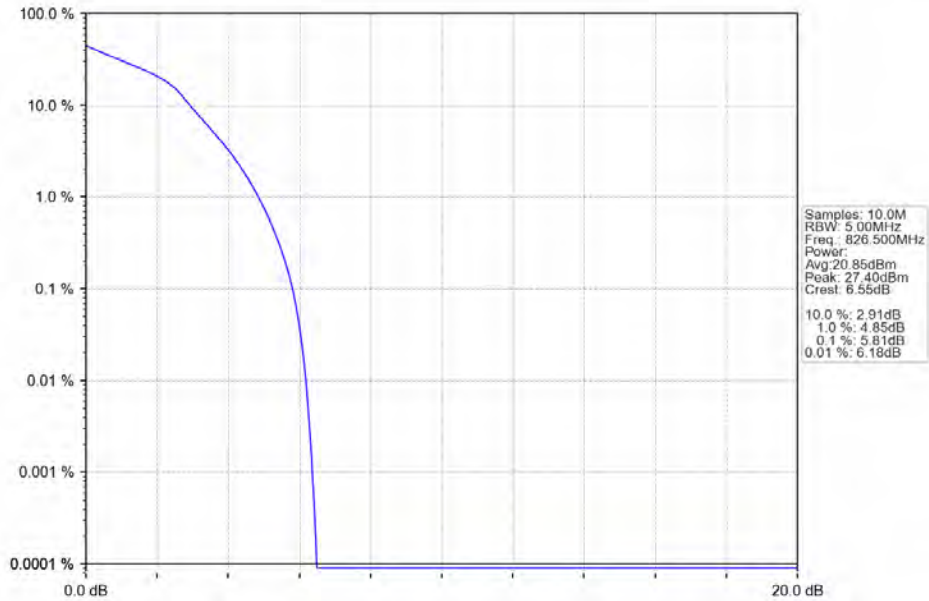
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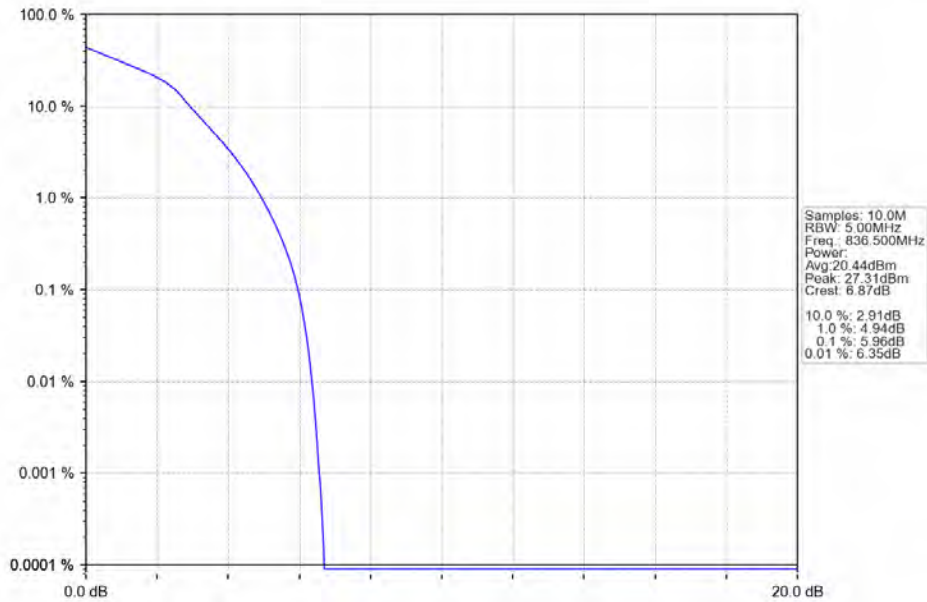
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Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



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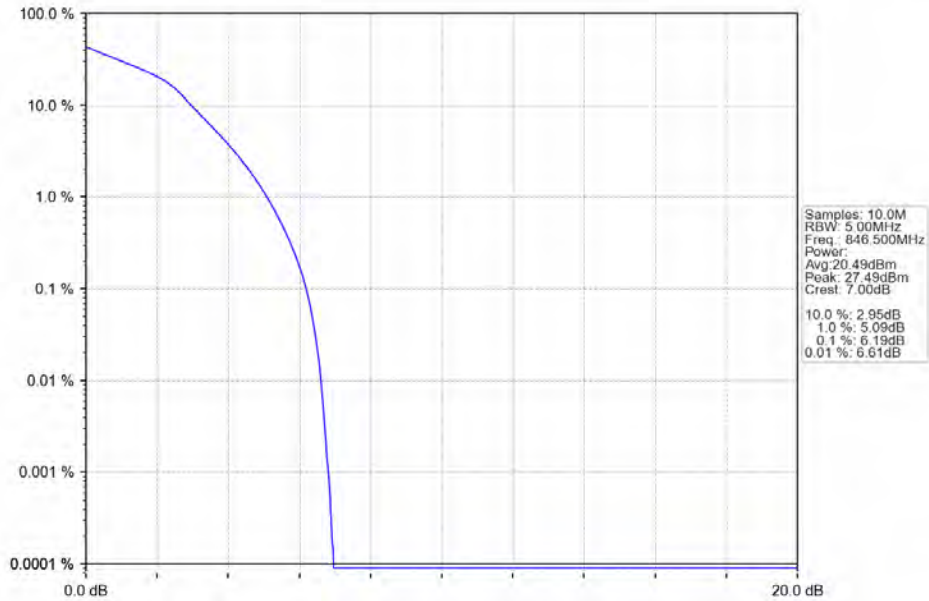
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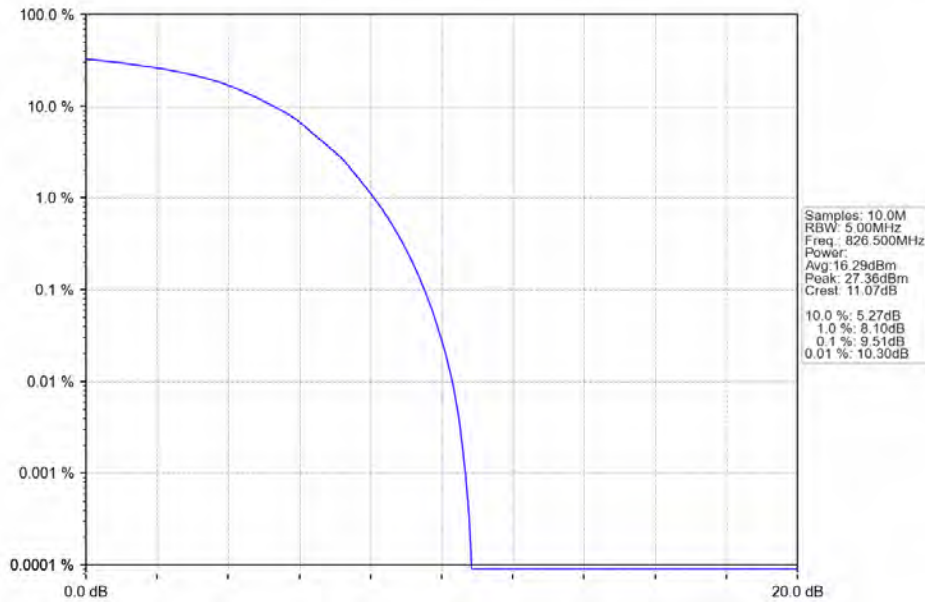
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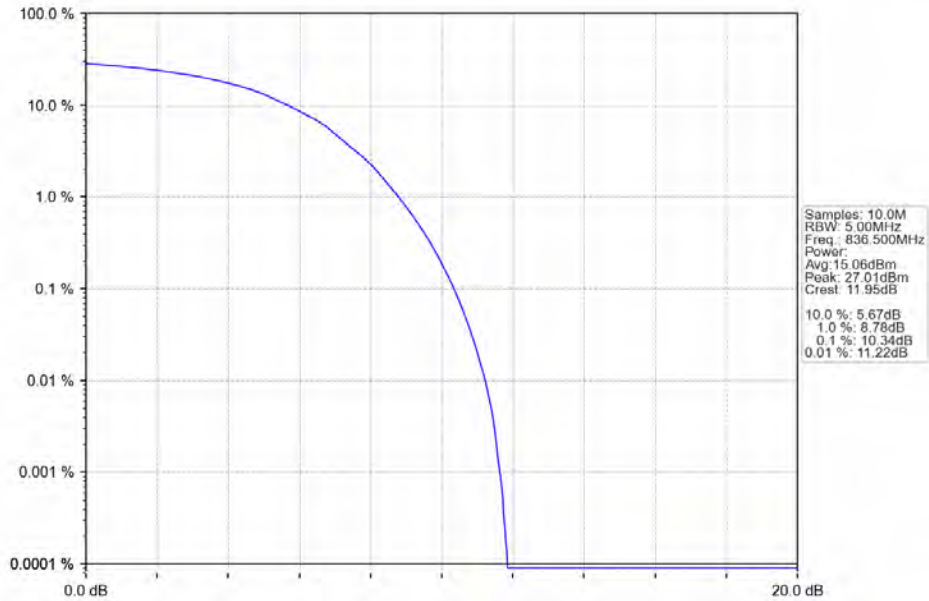
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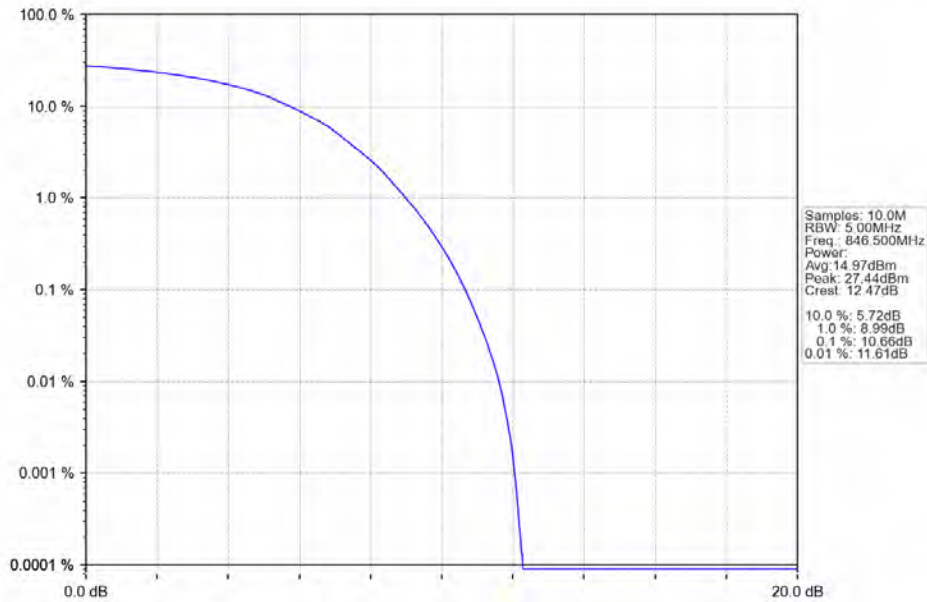
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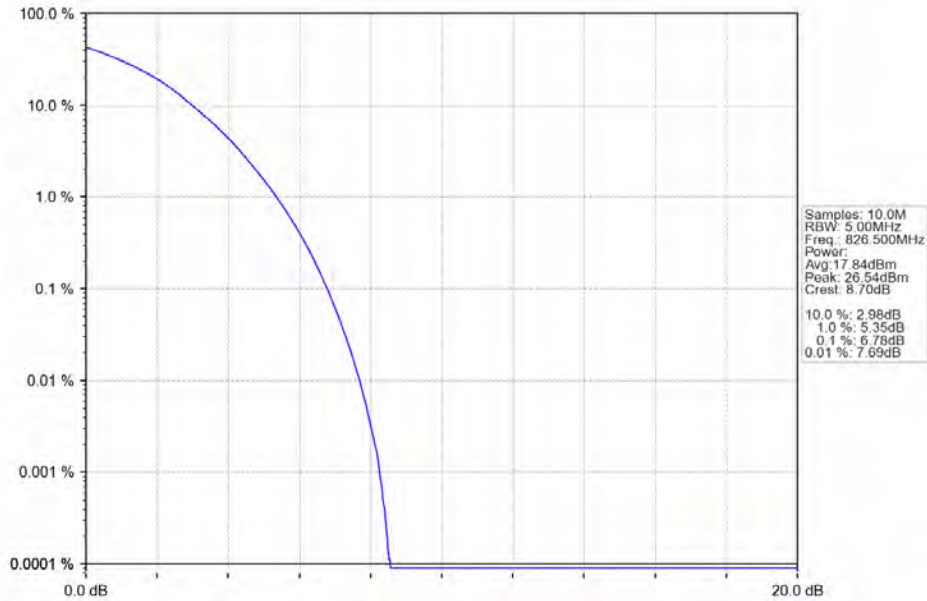
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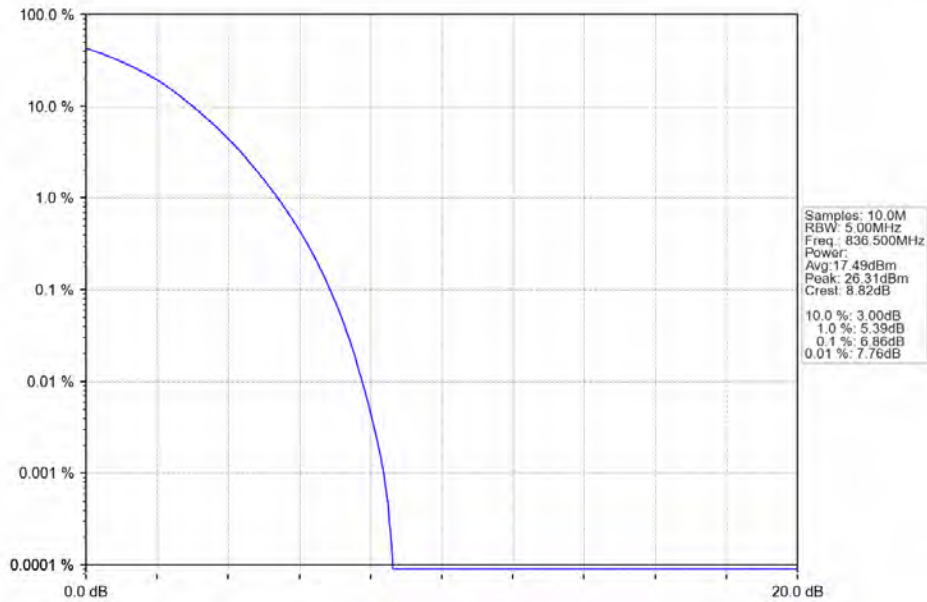
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Band5_5MHz_256QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_256QAM_HCH_846.5MHz_RB_25_0_NTNV



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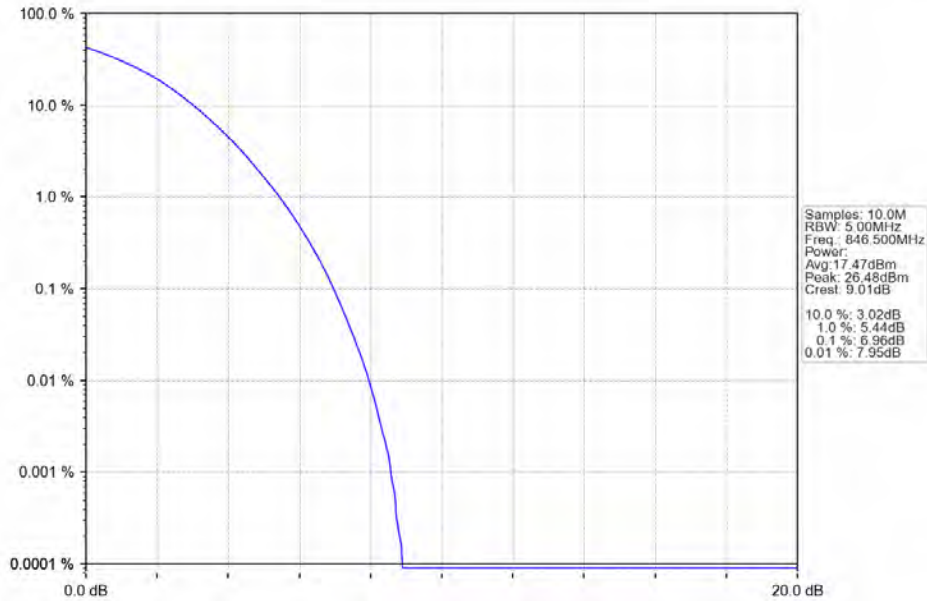
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5.4 B5_10MHz

5.4.1 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	5.09	<=13	Pass
	836.5	50	0	5.08	<=13	Pass
	844	50	0	5.26	<=13	Pass
16QAM	829	50	0	5.94	<=13	Pass
	836.5	50	0	5.93	<=13	Pass
	844	50	0	6.07	<=13	Pass
64QAM	829	50	0	6.41	<=13	Pass
	836.5	50	0	11.79	<=13	Pass
	844	50	0	12.50	<=13	Pass
256QAM	829	50	0	6.82	<=13	Pass
	836.5	50	0	6.79	<=13	Pass
	844	50	0	6.86	<=13	Pass



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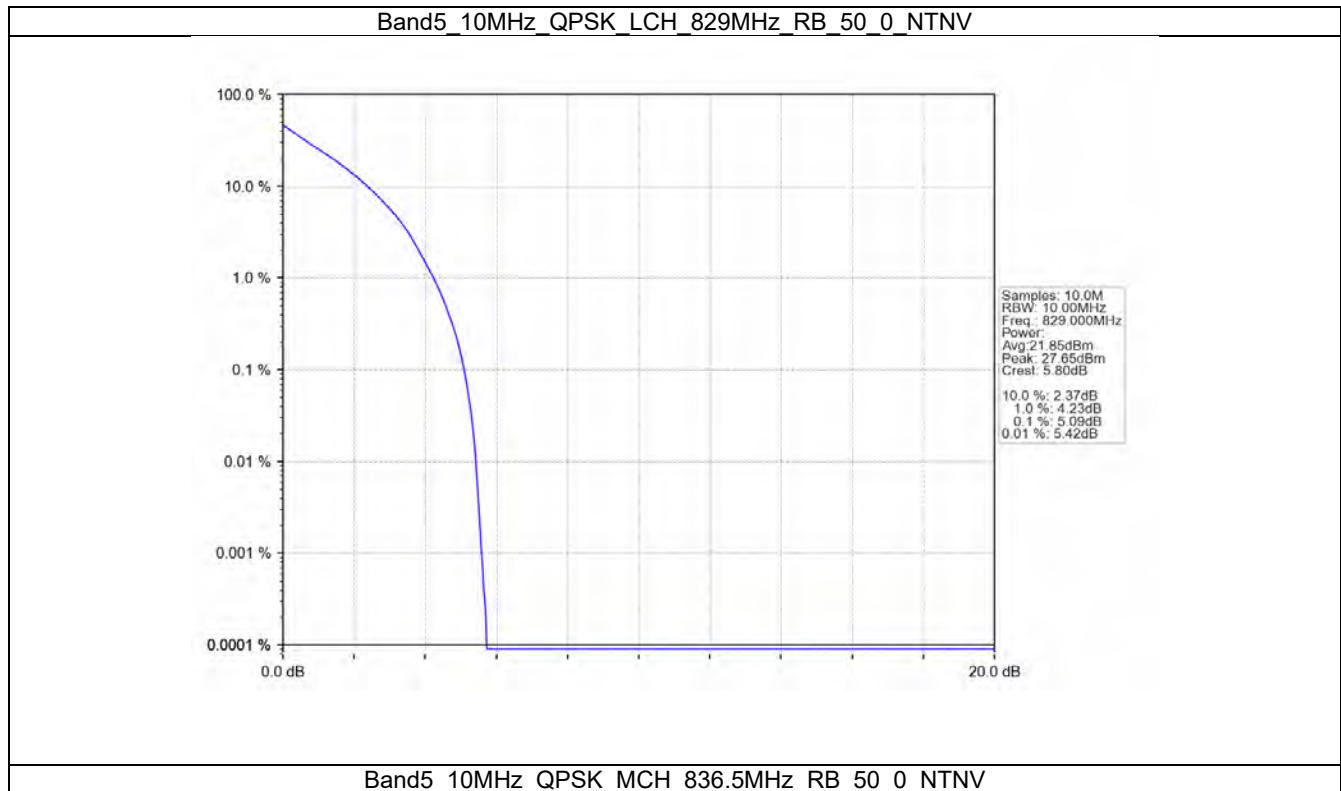
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5.4.2 Test Graph



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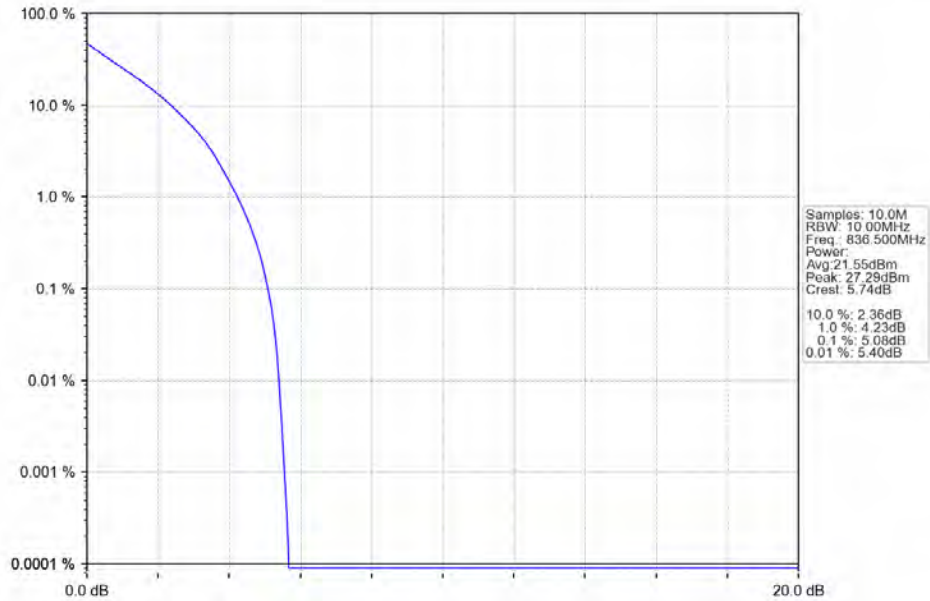
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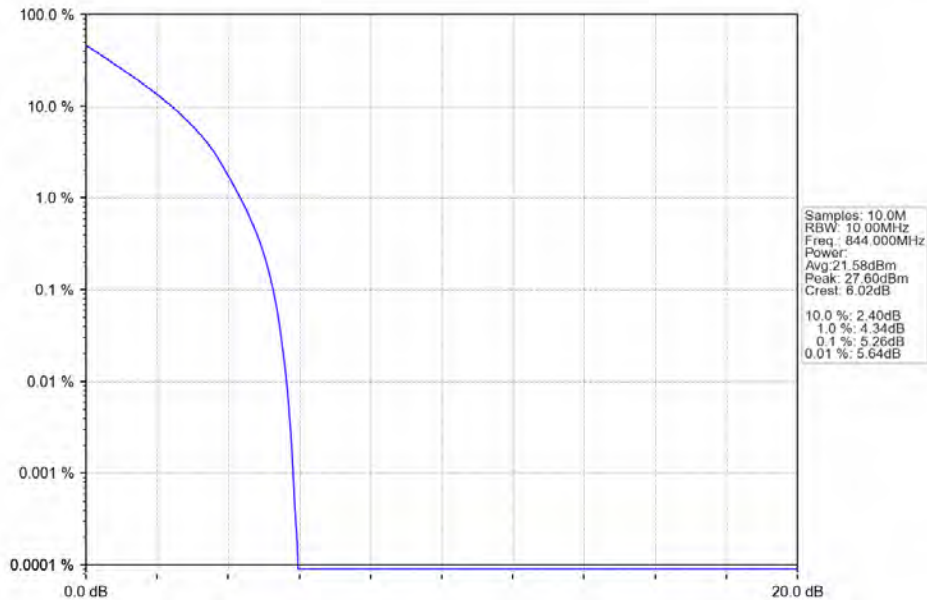
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Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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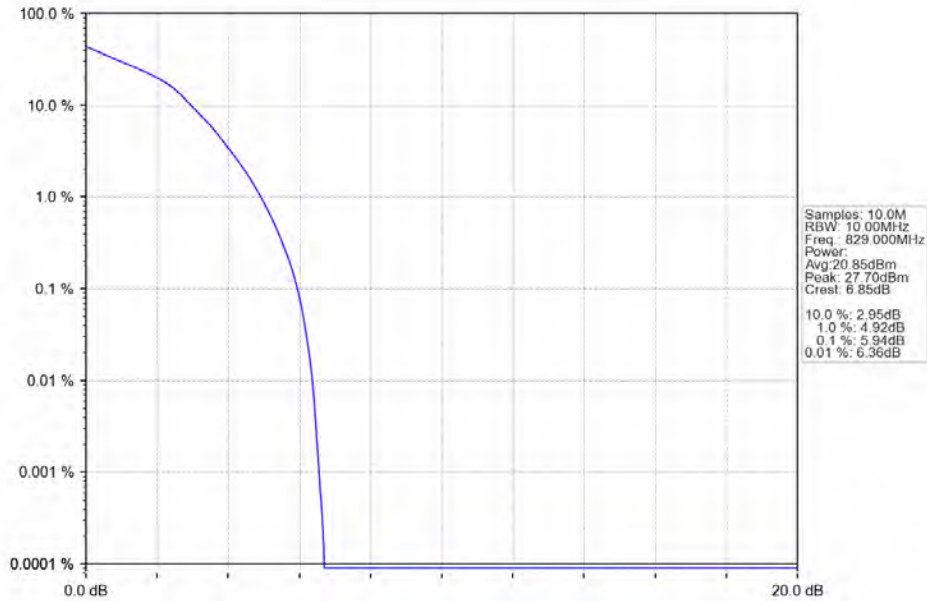
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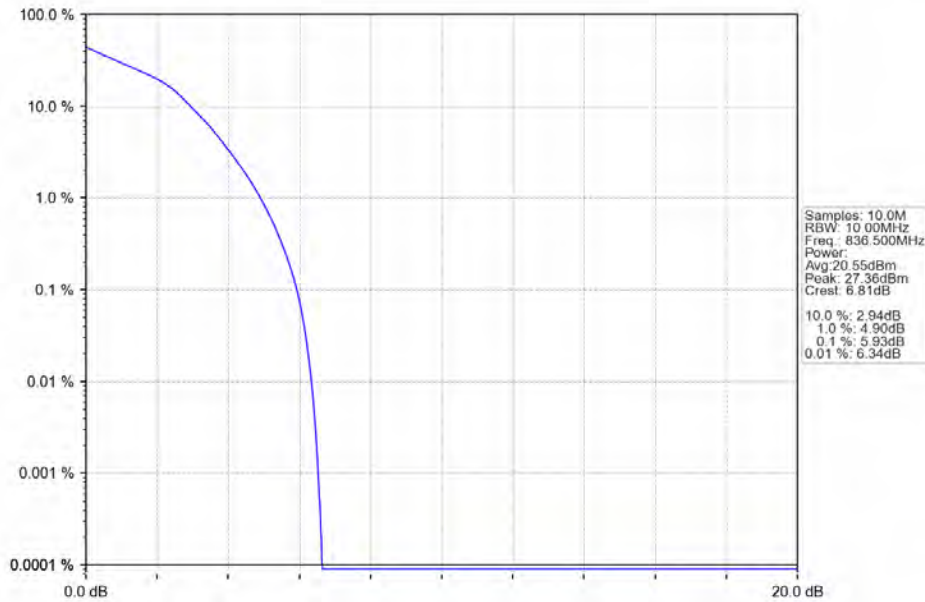
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Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



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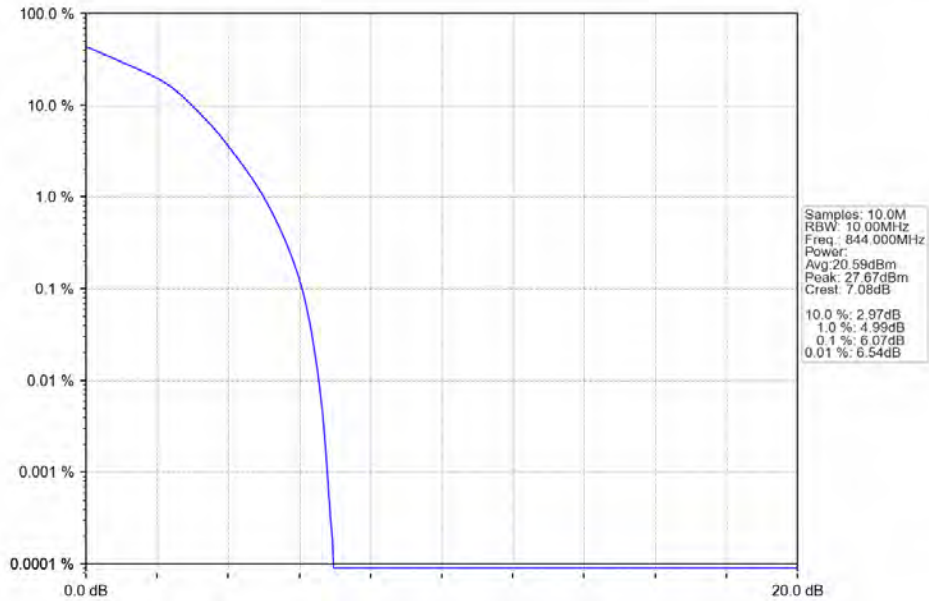
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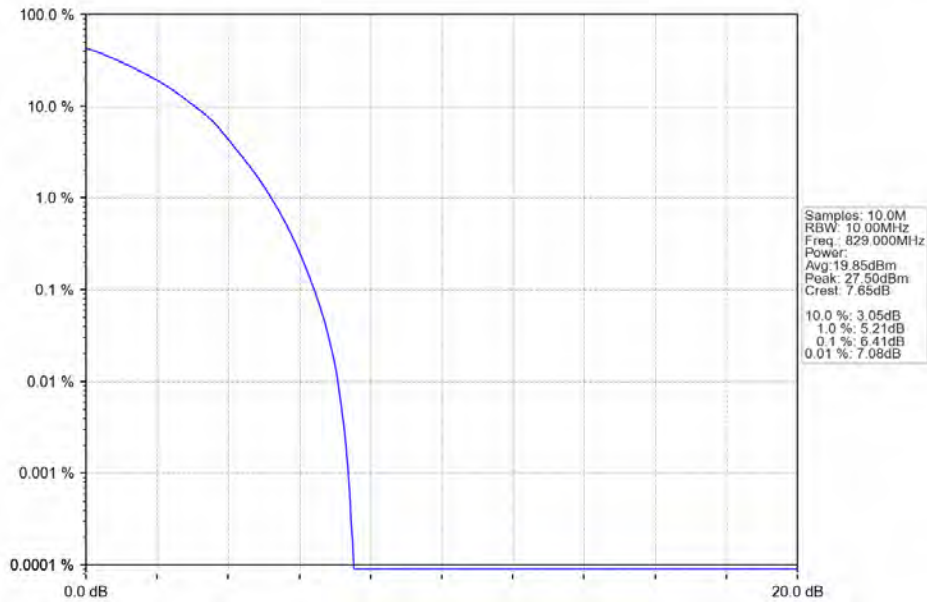
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Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



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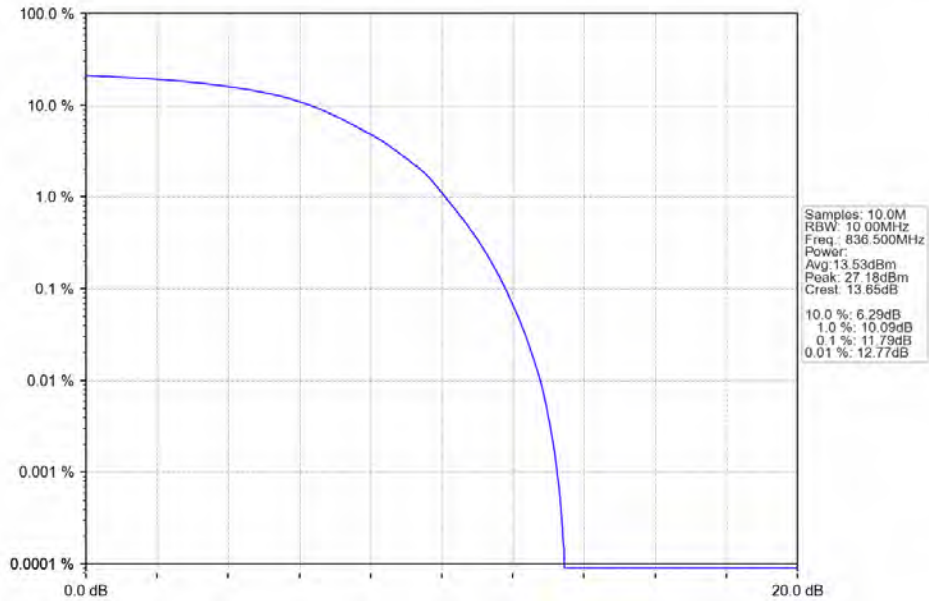
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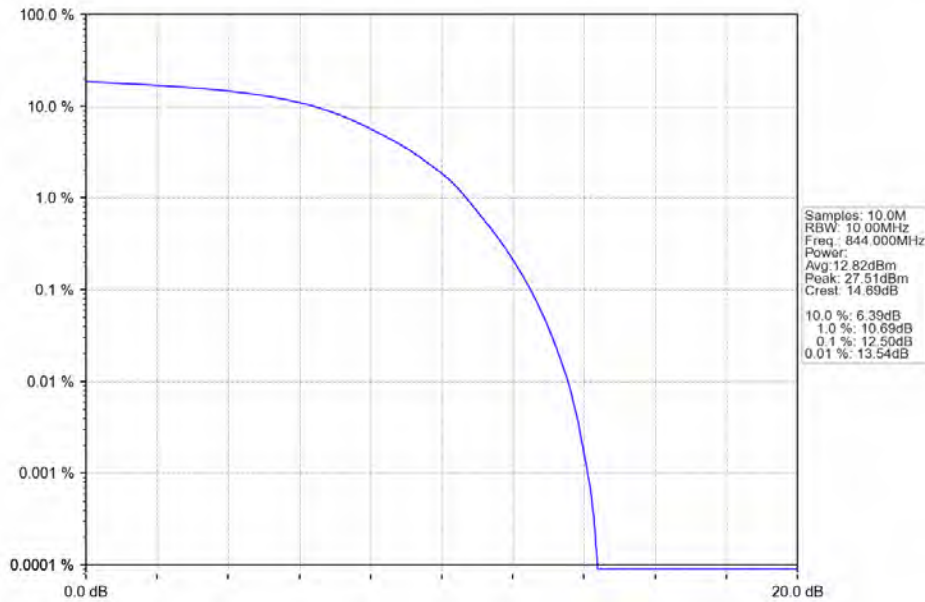
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Band5_10MHz_256QAM_LCH_829MHz_RB_50_0_NTNV



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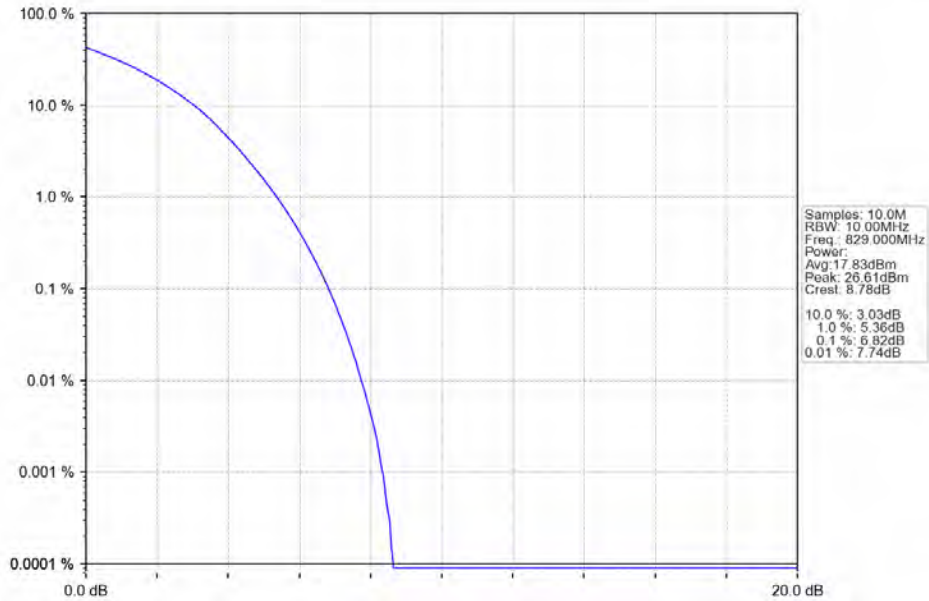
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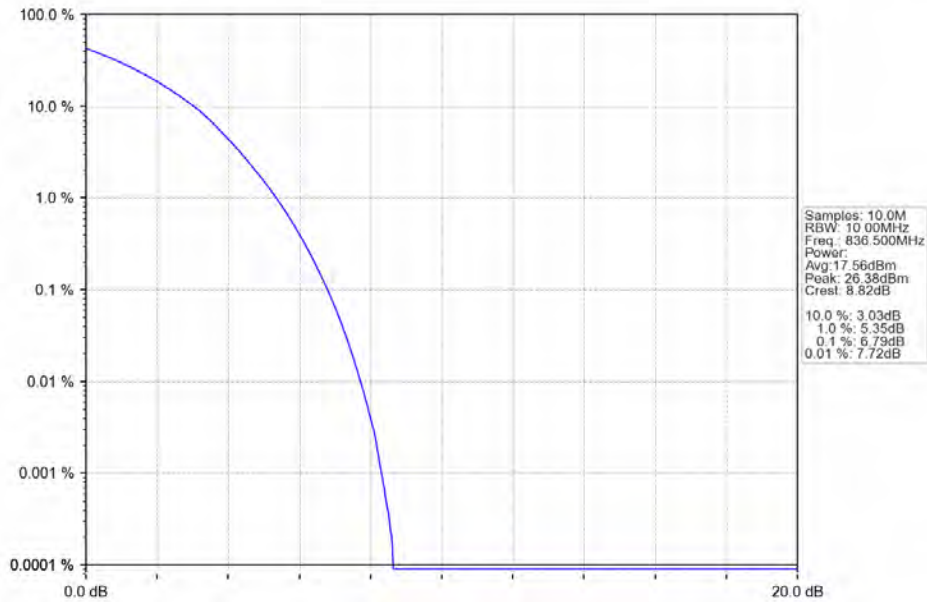
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Band5_10MHz_256QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_256QAM_HCH_844MHz_RB_50_0_NTNV



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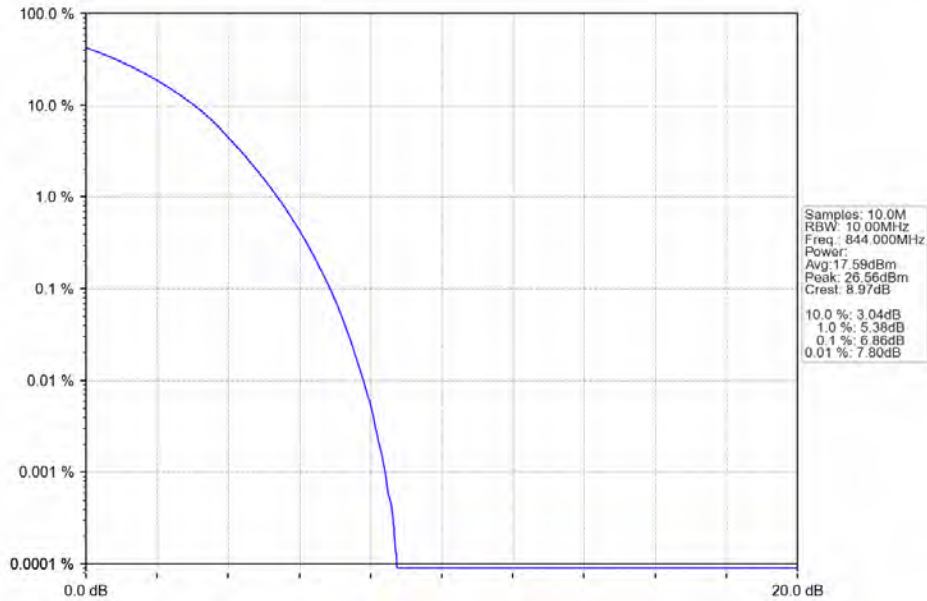
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6. Spurious Emission & Band Edges

6.1 B5_1.4MHz

6.1.1 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



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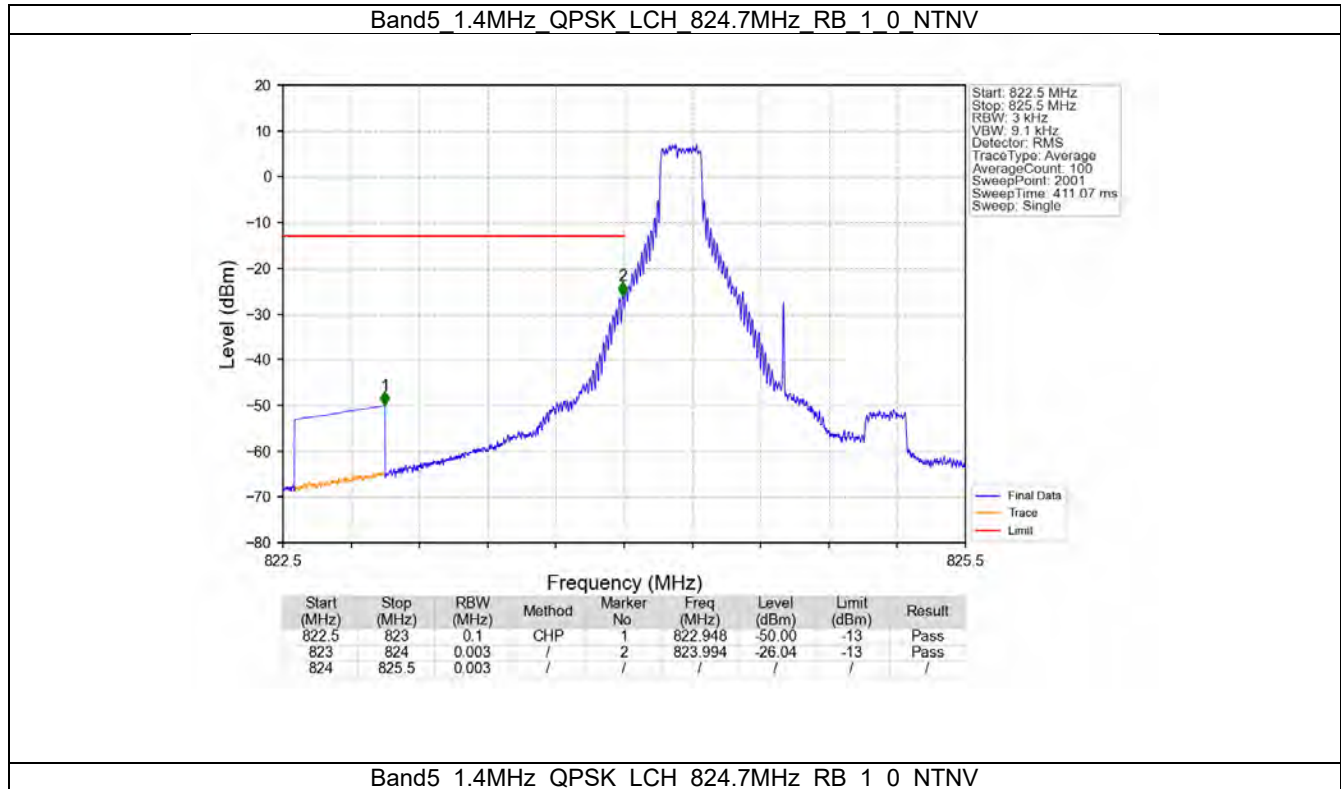
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6.1.2 Test Graph



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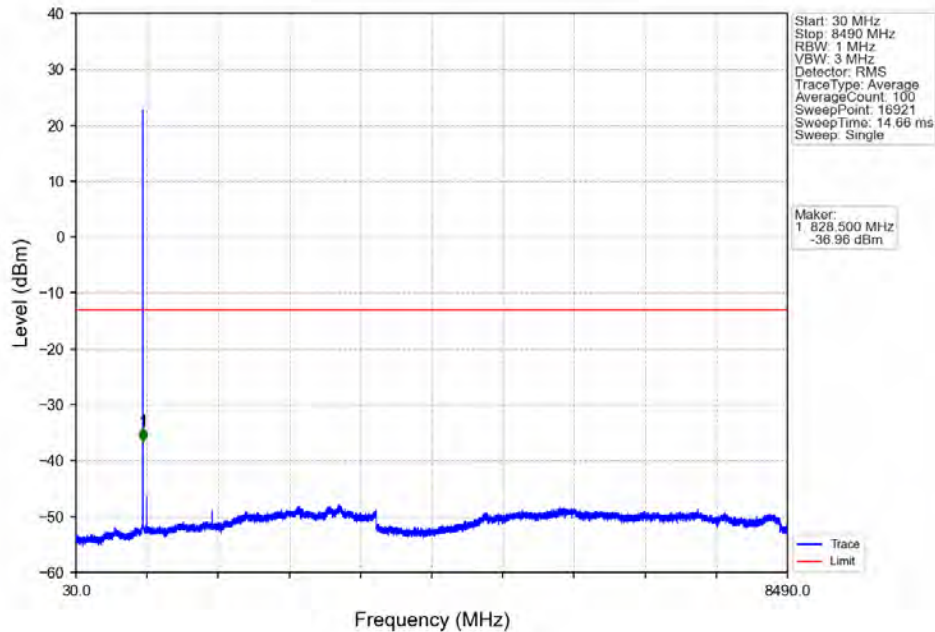
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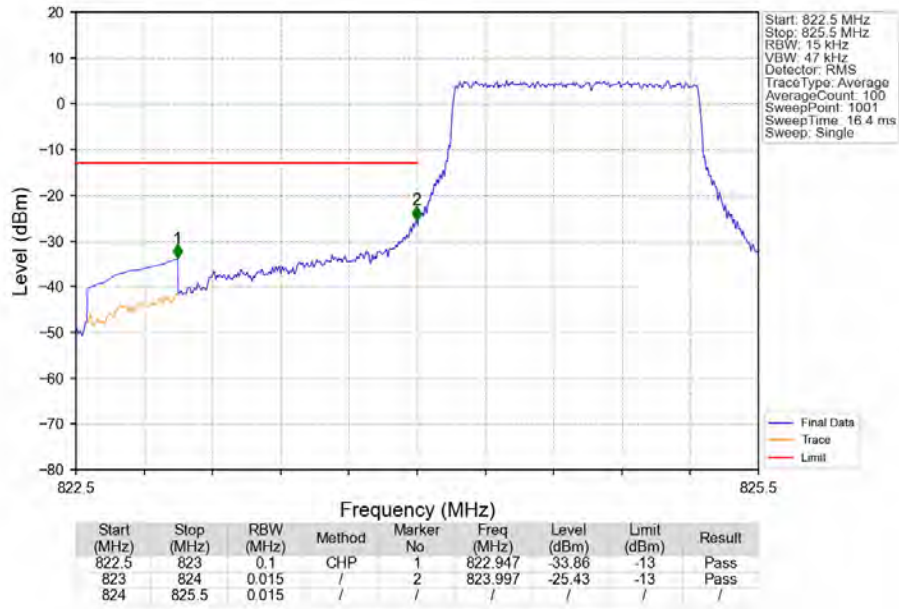
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Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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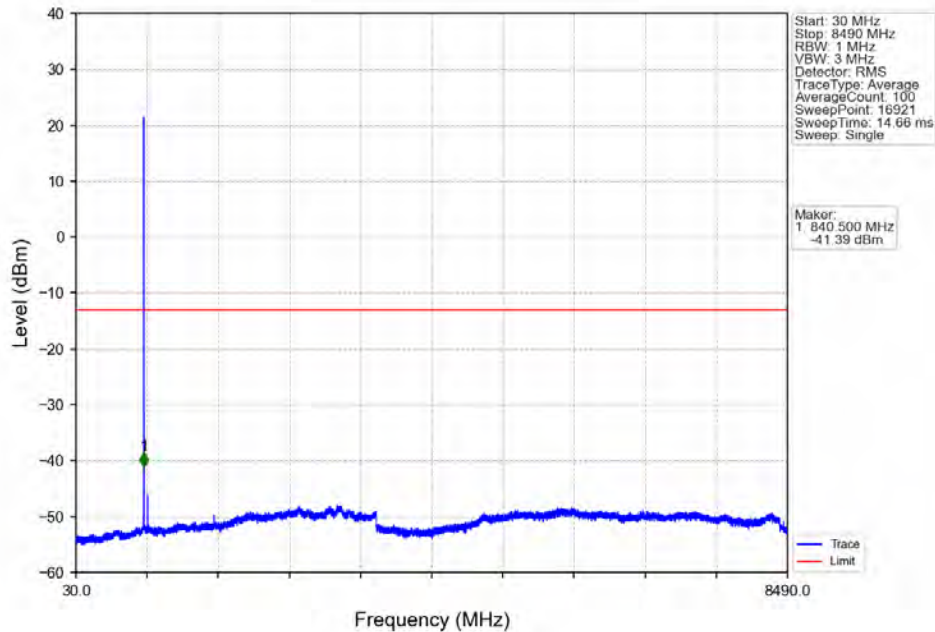
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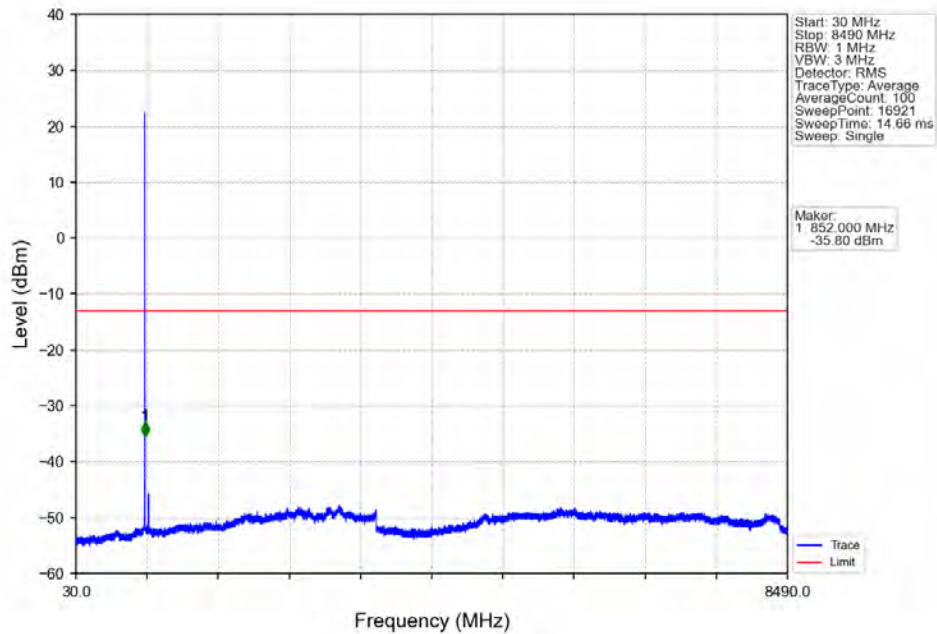
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Band5 1.4MHz QPSK HCH 848.3MHz RB 1_0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1_5 NTNV



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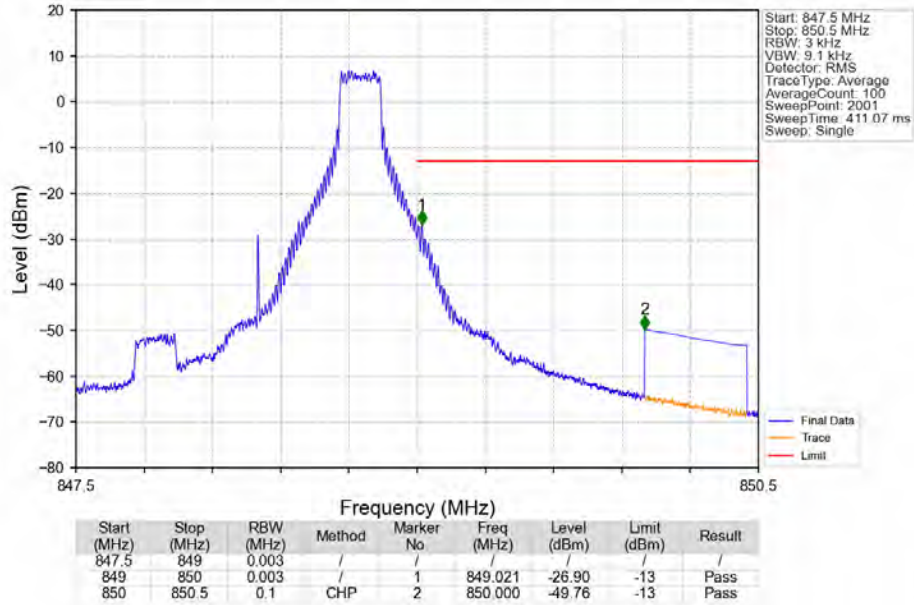
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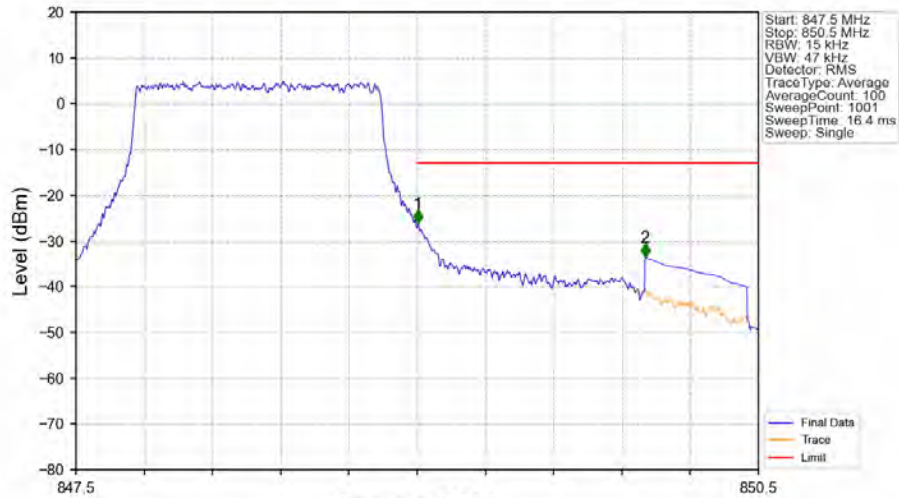
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Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.015	/	/	/	/	/	/
849	850	0.015	/	1	849.003	-26.23	-13	Pass
850	850.5	0.1	CHP	2	850.002	-33.66	-13	Pass



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6.2 B5_3MHz

6.2.1 Test Result

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



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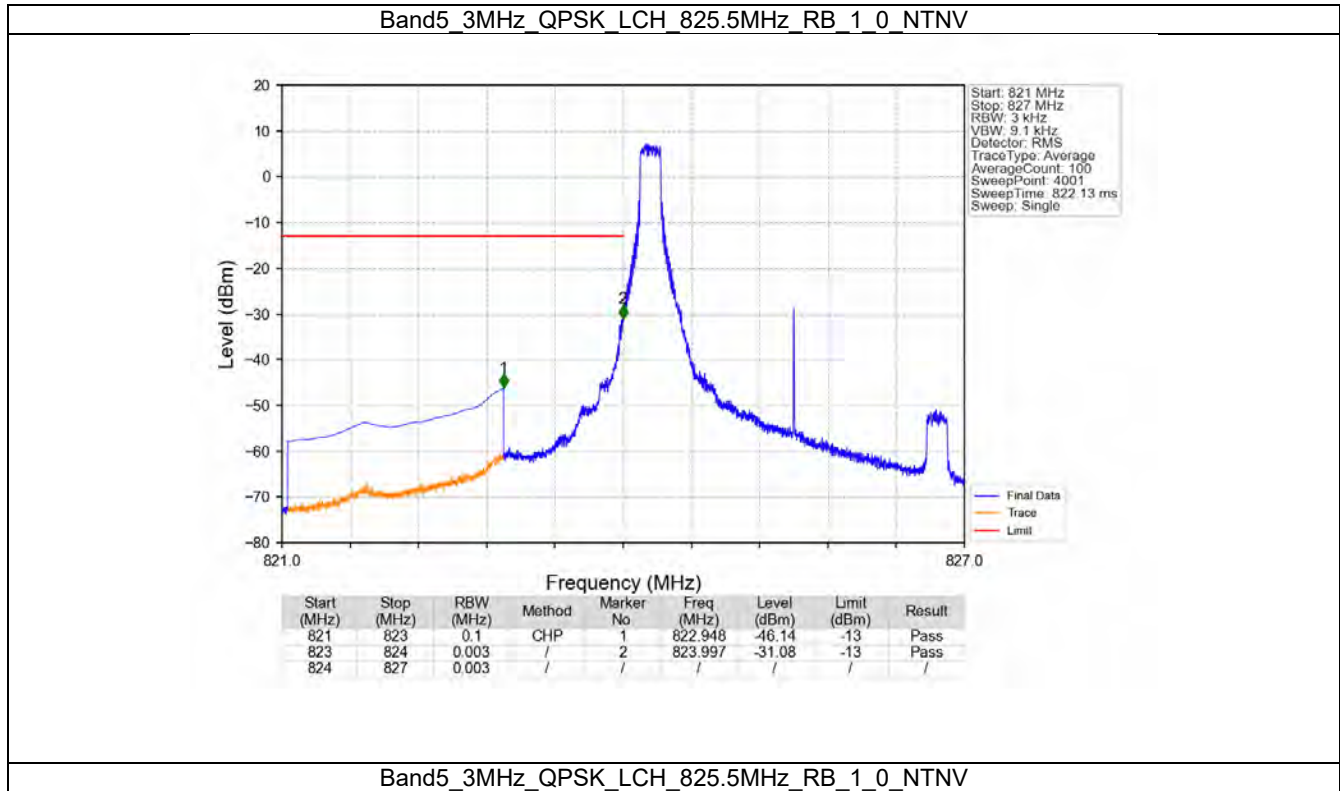
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6.2.2 Test Graph



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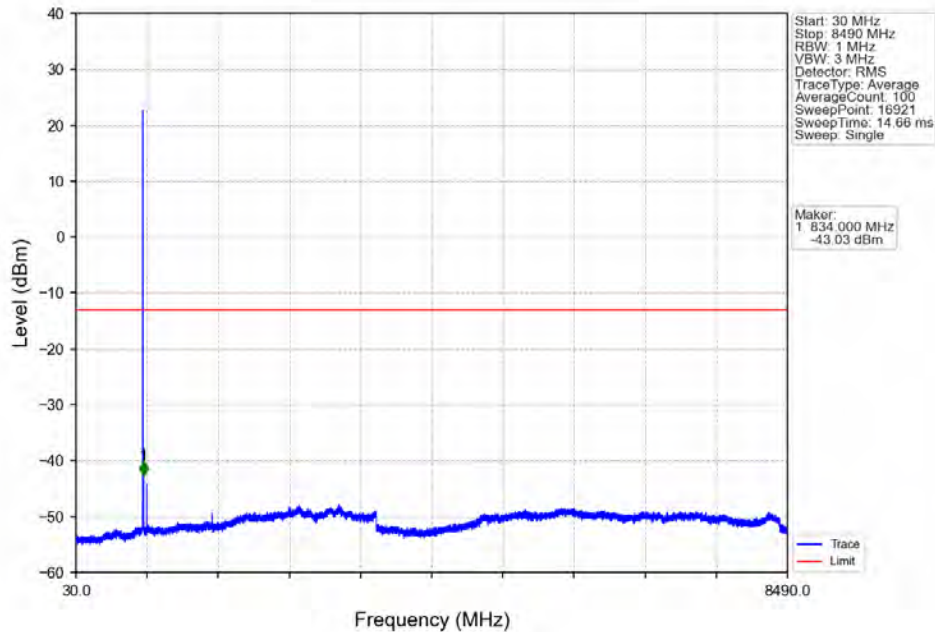
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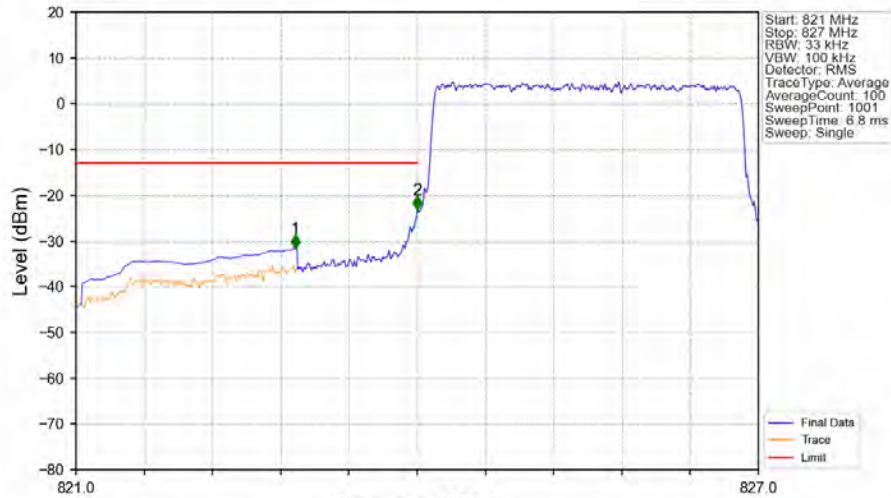
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Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.926	-31.70	-13	Pass
823	824	0.033	/	2	824.000	-23.29	-13	Pass
824	827	0.033	/	/	/	/	/	/

Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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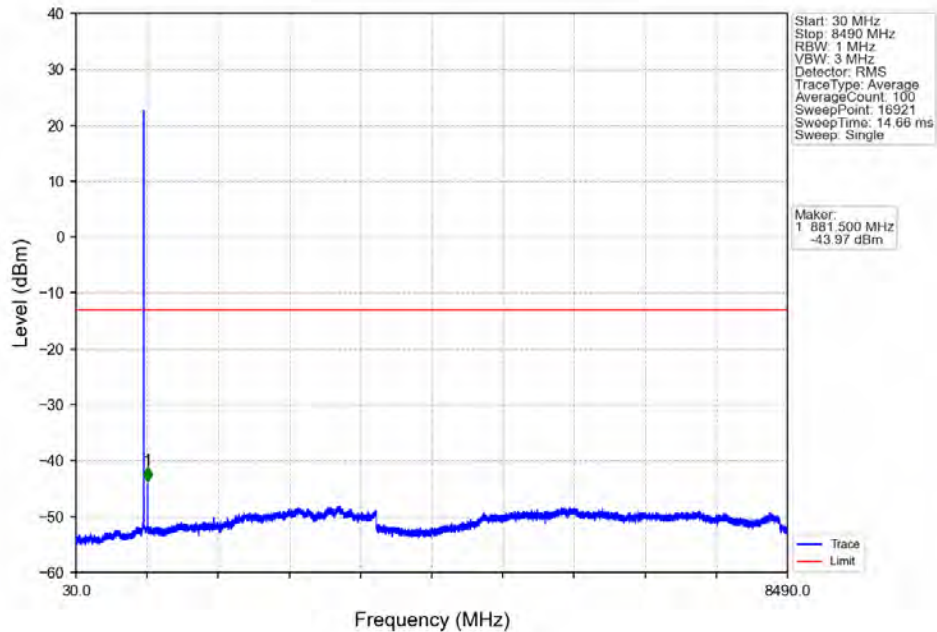
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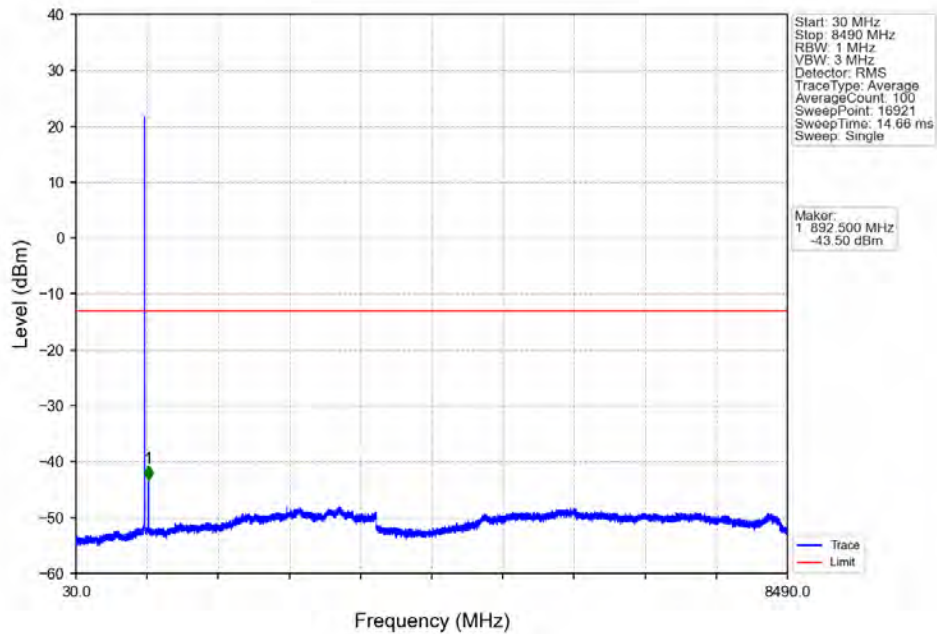
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Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



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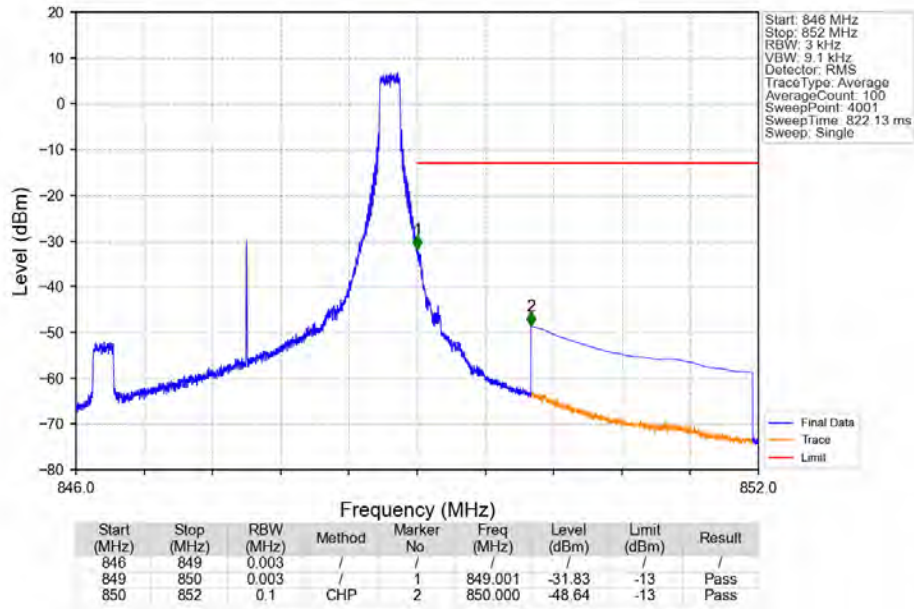
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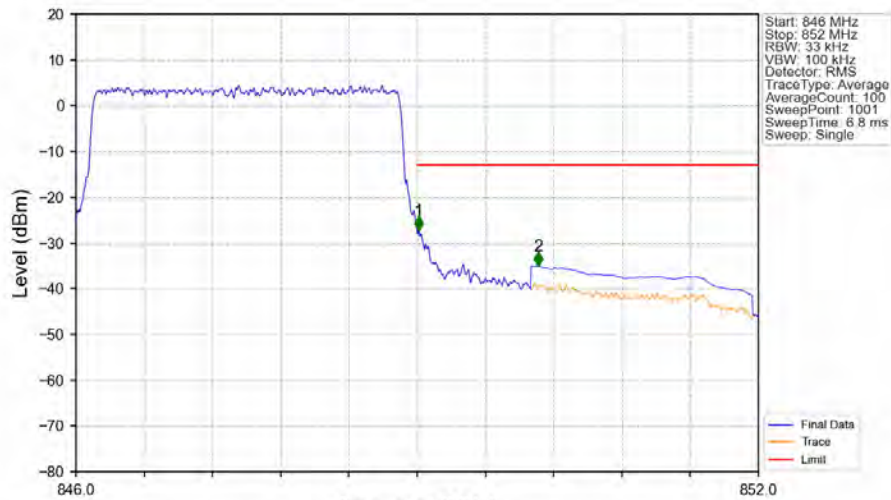
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Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.033	/	/	/	/	/	/
849	850	0.033	/	1	849.012	-27.27	-13	Pass
850	852	0.1	CHP	2	850.062	-35.04	-13	Pass



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6.3 B5_5MHz

6.3.1 Test Result

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



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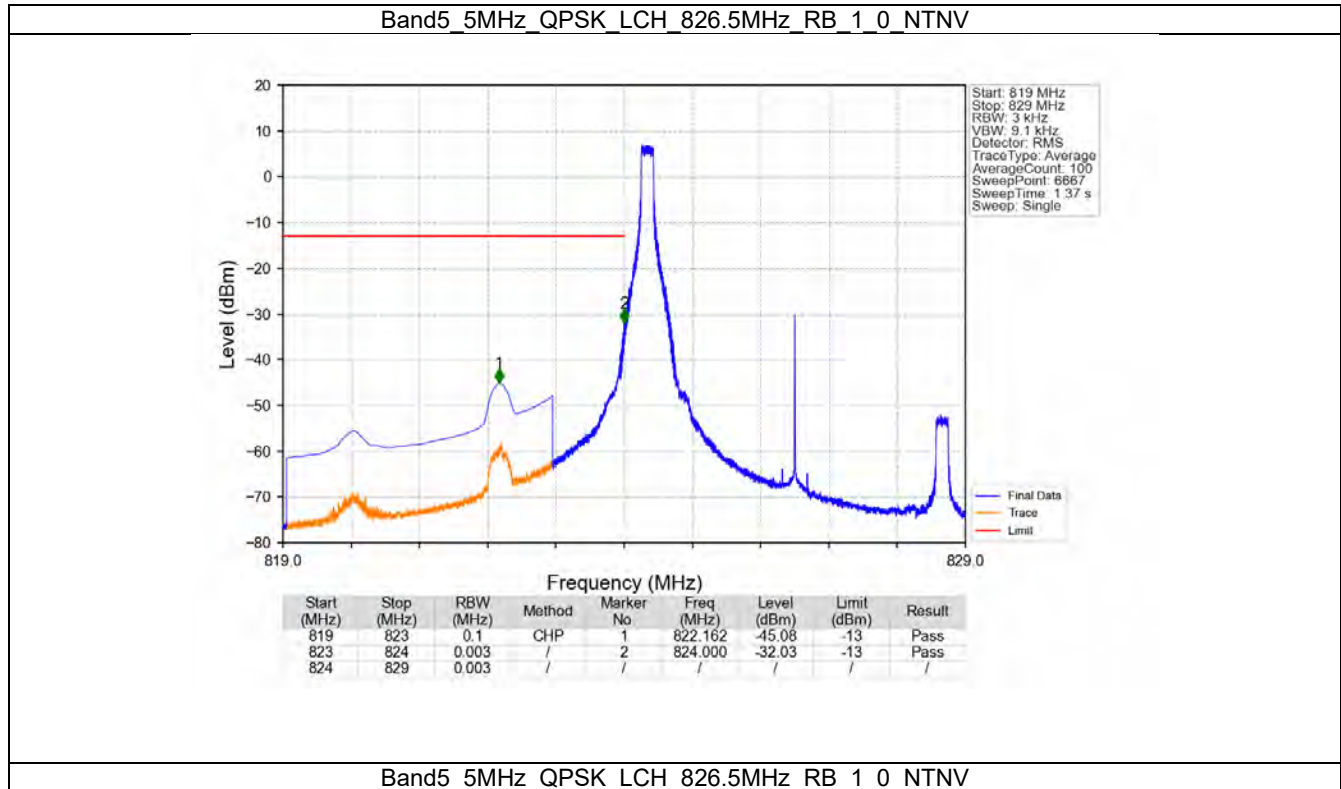
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6.3.2 Test Graph



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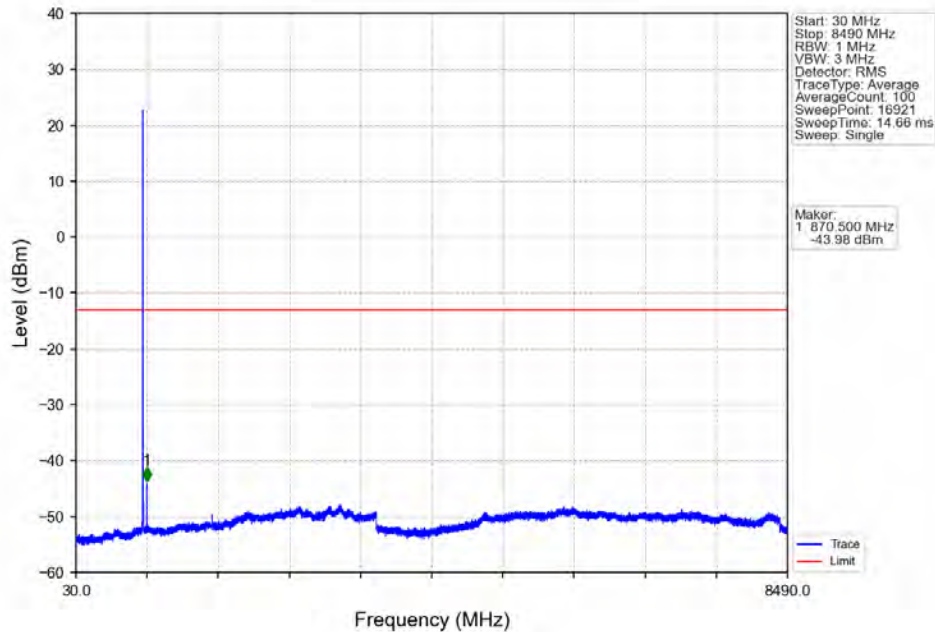
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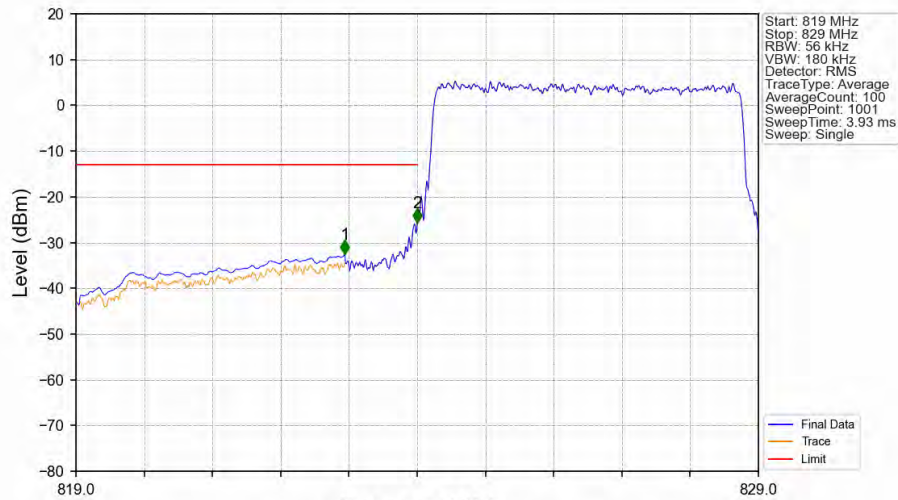
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Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.940	-32.59	-13	Pass
823	824	0.056	/	2	824.000	-25.69	-13	Pass
824	829	0.056	/	/	/	/	/	/

Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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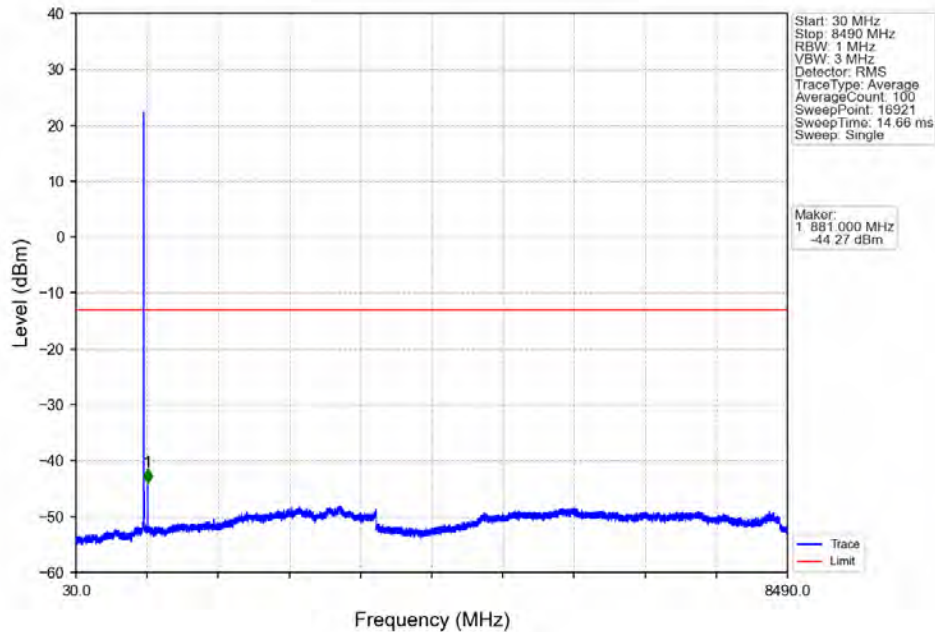
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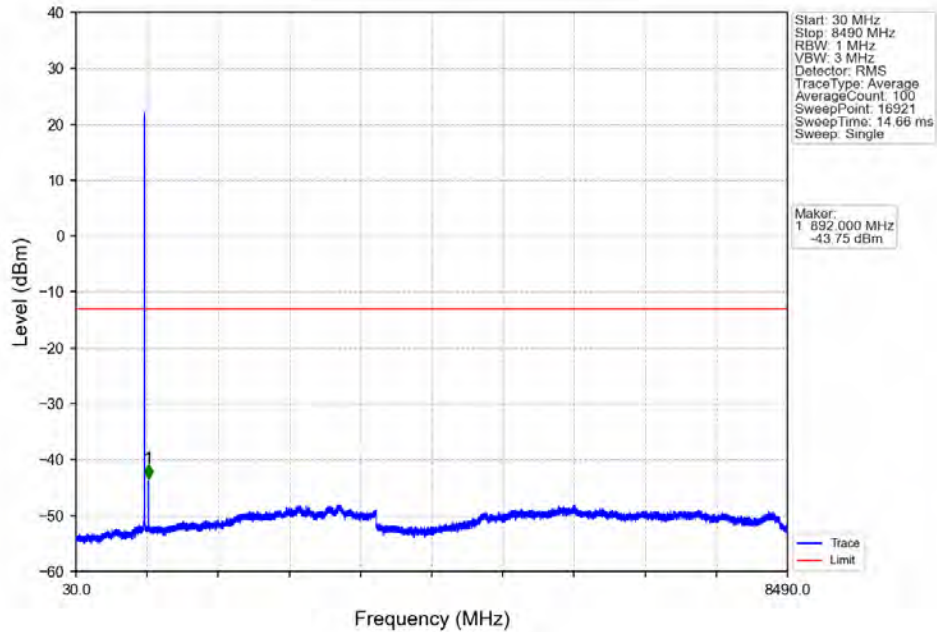
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Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV



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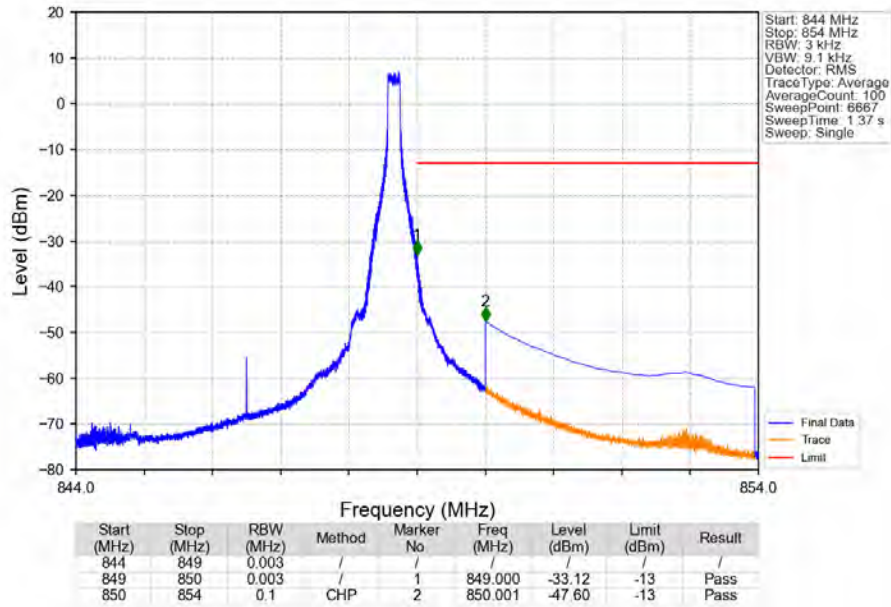
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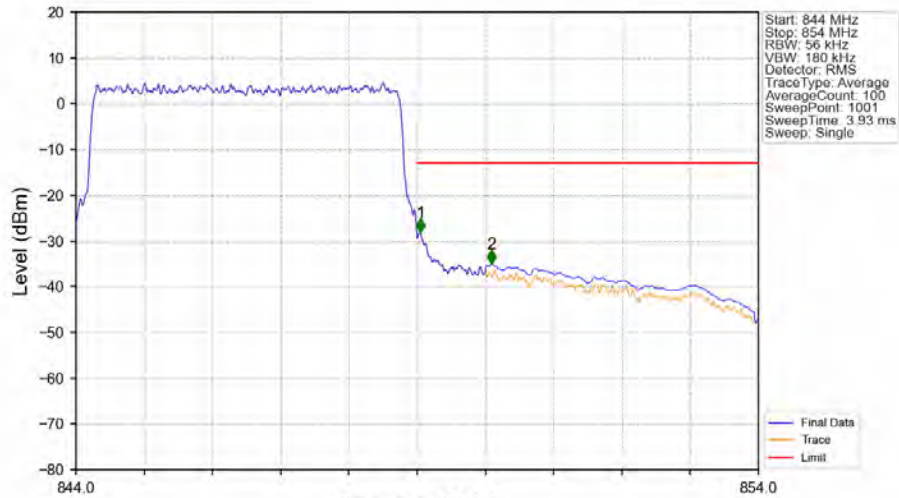
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Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.056	/	1	849.050	-28.16	-13	Pass
849	850	0.056	/	2	850.090	-35.04	-13	Pass
850	854	0.1	CHP					



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6.4 B5_10MHz

6.4.1 Test Result

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



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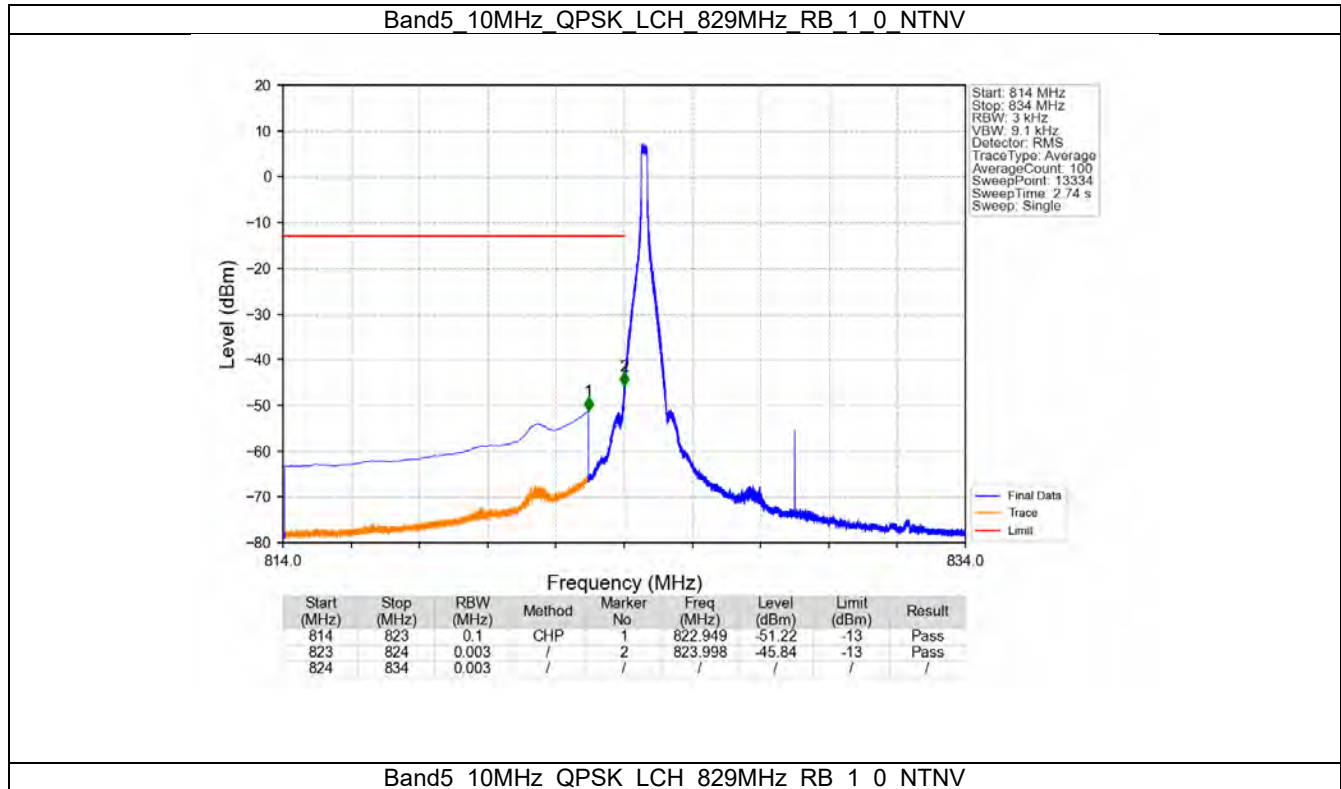
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6.4.2 Test Graph



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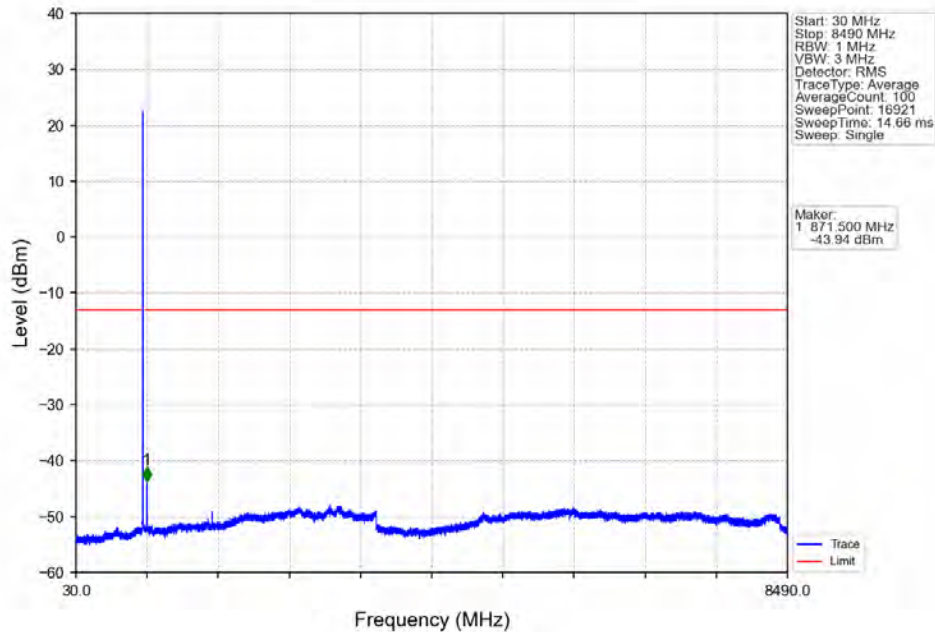
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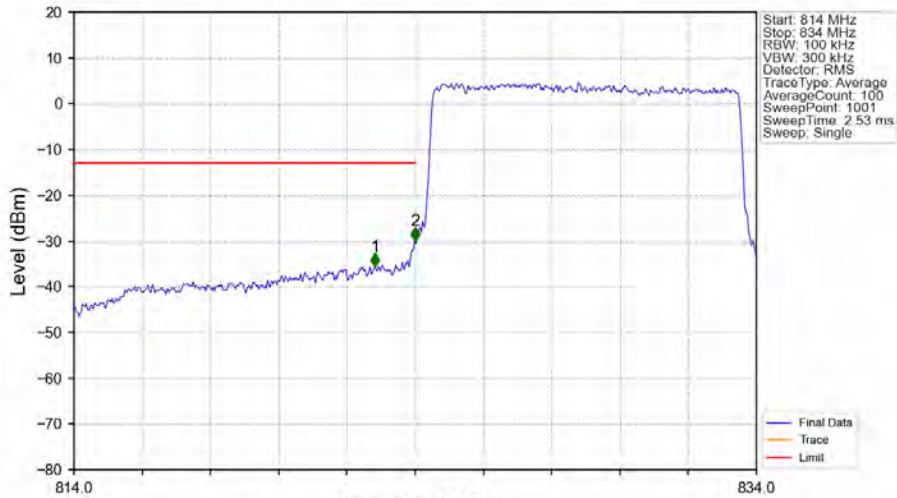
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Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.820	-35.66	-13	Pass
823	824	0.102	/	2	824.000	-30.03	-13	Pass
824	834	0.102	/	/	/	/	/	/

Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



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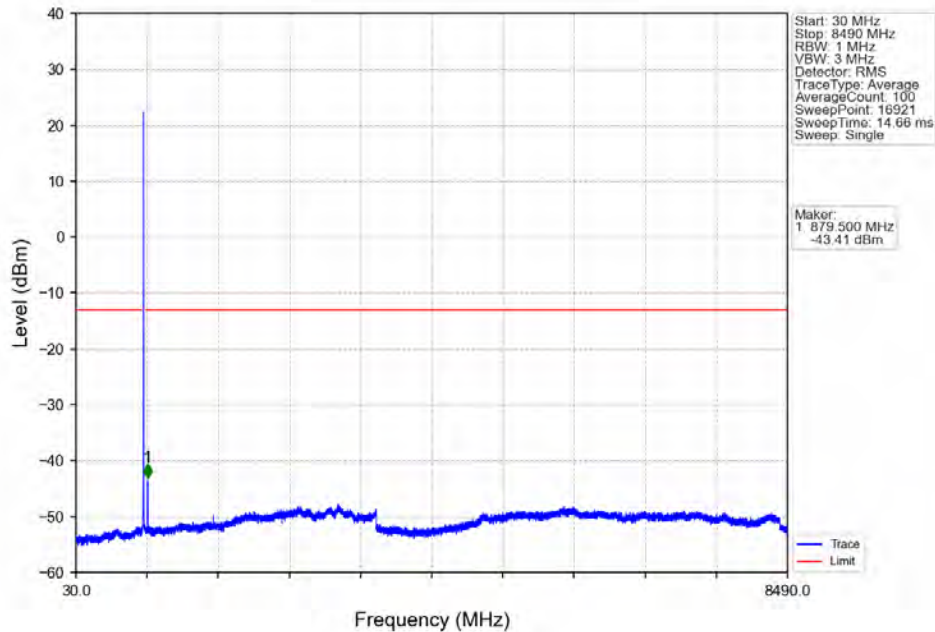
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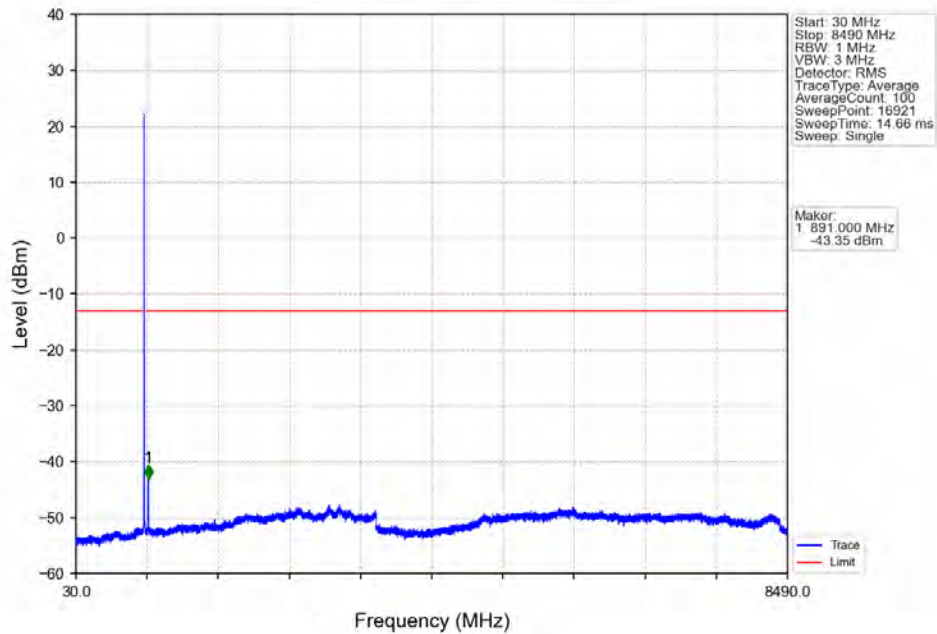
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Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



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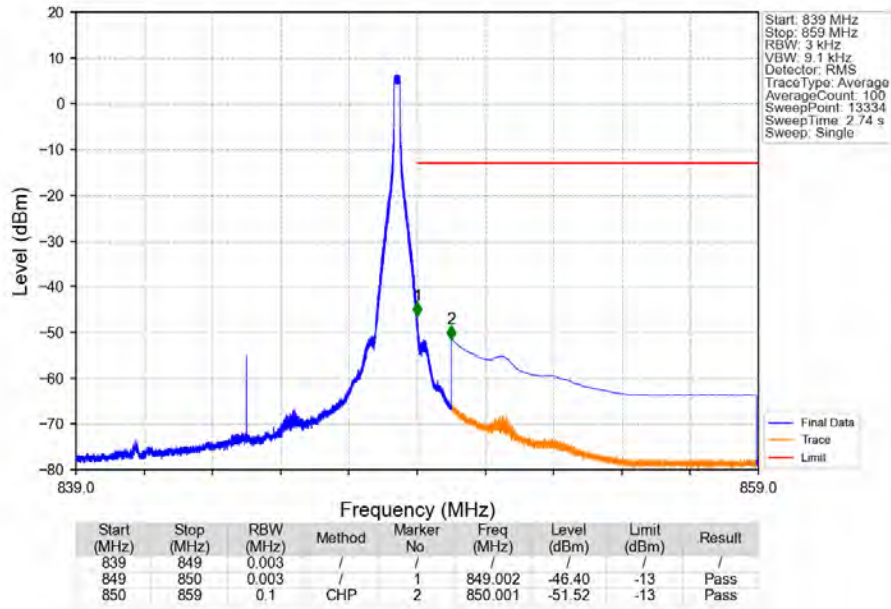
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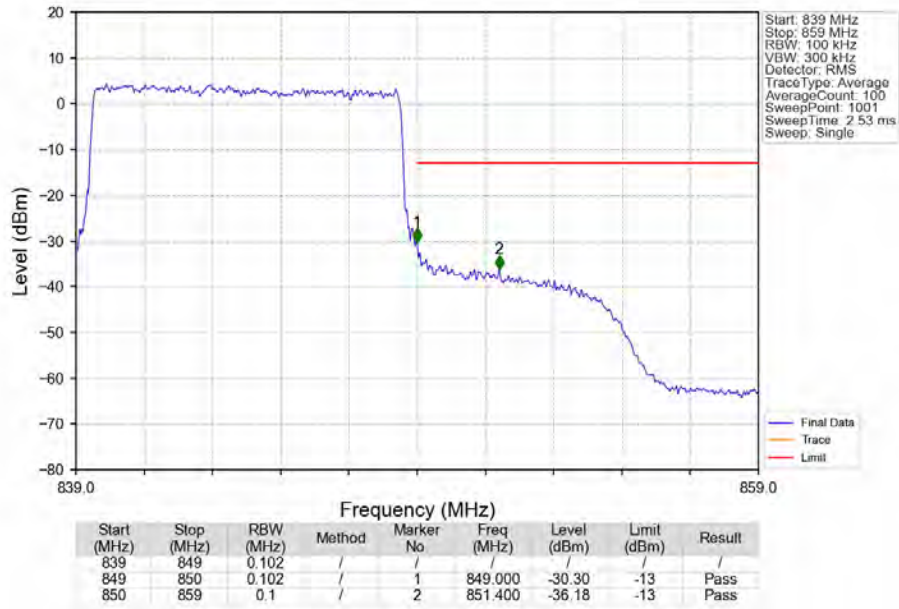
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Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



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