



Appendix N for SHCR2208001794CO-LTE Band 26(824-849)

1. Effective (Isotropic) Radiated Power Output Data

1.1 B26c_15MHz_ERP

1.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	831.5	1	0	22.87	0.40	21.12	<=38.45	Pass
			38	22.77	0.40	21.02	<=38.45	Pass
			74	22.63	0.40	20.88	<=38.45	Pass
		36	0	21.93	0.40	20.18	<=38.45	Pass
			18	21.91	0.40	20.16	<=38.45	Pass
			39	21.74	0.40	19.99	<=38.45	Pass
		75	0	21.82	0.40	20.07	<=38.45	Pass
	836.5	1	0	22.66	0.40	20.91	<=38.45	Pass
			38	22.98	0.40	21.23	<=38.45	Pass
			74	22.52	0.40	20.77	<=38.45	Pass
		36	0	21.77	0.40	20.02	<=38.45	Pass
			18	21.83	0.40	20.08	<=38.45	Pass
			39	21.73	0.40	19.98	<=38.45	Pass
		75	0	21.76	0.40	20.01	<=38.45	Pass
	841.5	1	0	22.48	0.40	20.73	<=38.45	Pass
			38	22.80	0.40	21.05	<=38.45	Pass
			74	22.59	0.40	20.84	<=38.45	Pass
		36	0	21.94	0.40	20.19	<=38.45	Pass
			18	21.95	0.40	20.20	<=38.45	Pass
			39	21.90	0.40	20.15	<=38.45	Pass
		75	0	21.99	0.40	20.24	<=38.45	Pass
16QAM	831.5	1	0	22.10	0.40	20.35	<=38.45	Pass
			38	22.17	0.40	20.42	<=38.45	Pass
			74	21.96	0.40	20.21	<=38.45	Pass
		36	0	20.82	0.40	19.07	<=38.45	Pass
			18	20.87	0.40	19.12	<=38.45	Pass
			39	20.67	0.40	18.92	<=38.45	Pass
		75	0	20.72	0.40	18.97	<=38.45	Pass
	836.5	1	0	22.37	0.40	20.62	<=38.45	Pass
			38	22.95	0.40	21.20	<=38.45	Pass
			74	22.28	0.40	20.53	<=38.45	Pass
		36	0	20.80	0.40	19.05	<=38.45	Pass
			18	20.88	0.40	19.13	<=38.45	Pass
			39	20.71	0.40	18.96	<=38.45	Pass
		75	0	20.73	0.40	18.98	<=38.45	Pass
	841.5	1	0	21.80	0.40	20.05	<=38.45	Pass
			38	22.05	0.40	20.30	<=38.45	Pass
			74	21.35	0.40	19.60	<=38.45	Pass
		36	0	20.88	0.40	19.13	<=38.45	Pass
			18	20.96	0.40	19.21	<=38.45	Pass
			39	20.71	0.40	18.96	<=38.45	Pass
		75	0	20.81	0.40	19.06	<=38.45	Pass
64QAM	831.5	1	0	21.81	0.40	20.06	<=38.45	Pass



	836.5		38	22.60	0.40	20.85	<=38.45	Pass
			74	21.89	0.40	20.14	<=38.45	Pass
		36	0	20.84	0.40	19.09	<=38.45	Pass
			18	20.91	0.40	19.16	<=38.45	Pass
			39	20.71	0.40	18.96	<=38.45	Pass
		75	0	20.80	0.40	19.05	<=38.45	Pass
		841.5	1	0	21.41	0.40	19.66	<=38.45
	38			22.07	0.40	20.32	<=38.45	Pass
	74			21.83	0.40	20.08	<=38.45	Pass
	36		0	20.67	0.40	18.92	<=38.45	Pass
			18	20.77	0.40	19.02	<=38.45	Pass
			39	20.60	0.40	18.85	<=38.45	Pass
	75		0	20.82	0.40	19.07	<=38.45	Pass
		1	0	22.09	0.40	20.34	<=38.45	Pass
			38	22.57	0.40	20.82	<=38.45	Pass
			74	21.53	0.40	19.78	<=38.45	Pass
		36	0	20.87	0.40	19.12	<=38.45	Pass
			18	20.84	0.40	19.09	<=38.45	Pass
			39	20.77	0.40	19.02	<=38.45	Pass
		75	0	20.92	0.40	19.17	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B26c_15MHz

2.1.1 Test Result

Band: 26c / 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	6.12	-0.352	-0.0004	-2.5 to 2.5	Pass
					7.20	-0.329	-0.0004	-2.5 to 2.5	Pass
					8.28	0.129	0.0002	-2.5 to 2.5	Pass
				-30	7.20	-0.042	-0.0001	-2.5 to 2.5	Pass
				-20	7.20	-0.486	-0.0006	-2.5 to 2.5	Pass
				-10	7.20	-0.379	-0.0005	-2.5 to 2.5	Pass
				0	7.20	0.162	0.0002	-2.5 to 2.5	Pass
				10	7.20	-0.678	-0.0008	-2.5 to 2.5	Pass
				30	7.20	-0.905	-0.0011	-2.5 to 2.5	Pass
				40	7.20	-0.241	-0.0003	-2.5 to 2.5	Pass
				50	7.20	-1.395	-0.0017	-2.5 to 2.5	Pass
	836.5	75	0	20	6.12	-1.162	-0.0014	-2.5 to 2.5	Pass
					7.20	-1.018	-0.0012	-2.5 to 2.5	Pass
					8.28	-1.626	-0.0019	-2.5 to 2.5	Pass
				-30	7.20	-1.567	-0.0019	-2.5 to 2.5	Pass
				-20	7.20	-1.830	-0.0022	-2.5 to 2.5	Pass
				-10	7.20	-1.034	-0.0012	-2.5 to 2.5	Pass
				0	7.20	-0.681	-0.0008	-2.5 to 2.5	Pass
				10	7.20	-0.767	-0.0009	-2.5 to 2.5	Pass
				30	7.20	-1.068	-0.0013	-2.5 to 2.5	Pass
				40	7.20	-1.452	-0.0017	-2.5 to 2.5	Pass
				50	7.20	-0.830	-0.0010	-2.5 to 2.5	Pass



	841.5	75	0	20	6.12	-1.964	-0.0023	-2.5 to 2.5	Pass
					7.20	-1.642	-0.0020	-2.5 to 2.5	Pass
					8.28	-2.124	-0.0025	-2.5 to 2.5	Pass
				-30	7.20	-1.593	-0.0019	-2.5 to 2.5	Pass
				-20	7.20	-1.444	-0.0017	-2.5 to 2.5	Pass
				-10	7.20	-1.436	-0.0017	-2.5 to 2.5	Pass
				0	7.20	-0.780	-0.0009	-2.5 to 2.5	Pass
				10	7.20	-1.741	-0.0021	-2.5 to 2.5	Pass
				30	7.20	-1.846	-0.0022	-2.5 to 2.5	Pass
				40	7.20	-2.161	-0.0026	-2.5 to 2.5	Pass
				50	7.20	-2.335	-0.0028	-2.5 to 2.5	Pass
16QAM	831.5	75	0	20	6.12	-0.436	-0.0005	-2.5 to 2.5	Pass
					7.20	-0.290	-0.0003	-2.5 to 2.5	Pass
					8.28	-0.709	-0.0009	-2.5 to 2.5	Pass
				-30	7.20	-0.370	-0.0004	-2.5 to 2.5	Pass
				-20	7.20	-1.526	-0.0018	-2.5 to 2.5	Pass
				-10	7.20	-0.675	-0.0008	-2.5 to 2.5	Pass
				0	7.20	-0.266	-0.0003	-2.5 to 2.5	Pass
				10	7.20	-0.272	-0.0003	-2.5 to 2.5	Pass
				30	7.20	-0.033	0.0000	-2.5 to 2.5	Pass
				40	7.20	-0.848	-0.0010	-2.5 to 2.5	Pass
				50	7.20	-0.961	-0.0012	-2.5 to 2.5	Pass
	836.5	75	0	20	6.12	-0.639	-0.0008	-2.5 to 2.5	Pass
					7.20	-0.145	-0.0002	-2.5 to 2.5	Pass
					8.28	-1.487	-0.0018	-2.5 to 2.5	Pass
				-30	7.20	-0.516	-0.0006	-2.5 to 2.5	Pass
				-20	7.20	-1.362	-0.0016	-2.5 to 2.5	Pass
				-10	7.20	-1.026	-0.0012	-2.5 to 2.5	Pass
				0	7.20	0.080	0.0001	-2.5 to 2.5	Pass
				10	7.20	-0.871	-0.0010	-2.5 to 2.5	Pass
				30	7.20	-0.181	-0.0002	-2.5 to 2.5	Pass
				40	7.20	-1.833	-0.0022	-2.5 to 2.5	Pass
				50	7.20	-1.234	-0.0015	-2.5 to 2.5	Pass
	841.5	75	0	20	6.12	-2.026	-0.0024	-2.5 to 2.5	Pass
					7.20	-2.271	-0.0027	-2.5 to 2.5	Pass
					8.28	-1.818	-0.0022	-2.5 to 2.5	Pass
				-30	7.20	-1.500	-0.0018	-2.5 to 2.5	Pass
				-20	7.20	-1.373	-0.0016	-2.5 to 2.5	Pass
				-10	7.20	-1.458	-0.0017	-2.5 to 2.5	Pass
				0	7.20	-1.865	-0.0022	-2.5 to 2.5	Pass
				10	7.20	-2.044	-0.0024	-2.5 to 2.5	Pass
				30	7.20	-1.817	-0.0022	-2.5 to 2.5	Pass
				40	7.20	-2.104	-0.0025	-2.5 to 2.5	Pass
				50	7.20	-1.621	-0.0019	-2.5 to 2.5	Pass
64QAM	831.5	75	0	20	6.12	-0.905	-0.0011	-2.5 to 2.5	Pass
					7.20	-0.582	-0.0007	-2.5 to 2.5	Pass
					8.28	-0.788	-0.0009	-2.5 to 2.5	Pass
				-30	7.20	-1.202	-0.0014	-2.5 to 2.5	Pass
				-20	7.20	-0.785	-0.0009	-2.5 to 2.5	Pass
				-10	7.20	-0.298	-0.0004	-2.5 to 2.5	Pass
				0	7.20	-0.959	-0.0012	-2.5 to 2.5	Pass
				10	7.20	-0.734	-0.0009	-2.5 to 2.5	Pass
				30	7.20	0.081	0.0001	-2.5 to 2.5	Pass
				40	7.20	-0.939	-0.0011	-2.5 to 2.5	Pass
				50	7.20	-0.346	-0.0004	-2.5 to 2.5	Pass
	836.5	75	0	20	6.12	-1.385	-0.0017	-2.5 to 2.5	Pass



					7.20	-1.540	-0.0018	-2.5 to 2.5	Pass
					8.28	-1.045	-0.0012	-2.5 to 2.5	Pass
				-30	7.20	-0.251	-0.0003	-2.5 to 2.5	Pass
				-20	7.20	-0.929	-0.0011	-2.5 to 2.5	Pass
				-10	7.20	-0.817	-0.0010	-2.5 to 2.5	Pass
				0	7.20	-0.750	-0.0009	-2.5 to 2.5	Pass
				10	7.20	-1.529	-0.0018	-2.5 to 2.5	Pass
				30	7.20	-0.815	-0.0010	-2.5 to 2.5	Pass
				40	7.20	-0.599	-0.0007	-2.5 to 2.5	Pass
				50	7.20	-1.209	-0.0014	-2.5 to 2.5	Pass
	841.5	75	0	20	6.12	-1.935	-0.0023	-2.5 to 2.5	Pass
					7.20	-2.100	-0.0025	-2.5 to 2.5	Pass
					8.28	-1.384	-0.0016	-2.5 to 2.5	Pass
				-30	7.20	-2.551	-0.0030	-2.5 to 2.5	Pass
				-20	7.20	-1.775	-0.0021	-2.5 to 2.5	Pass
				-10	7.20	-1.431	-0.0017	-2.5 to 2.5	Pass
				0	7.20	-1.677	-0.0020	-2.5 to 2.5	Pass
				10	7.20	-2.482	-0.0029	-2.5 to 2.5	Pass
				30	7.20	-1.930	-0.0023	-2.5 to 2.5	Pass
				40	7.20	-1.917	-0.0023	-2.5 to 2.5	Pass
				50	7.20	-1.334	-0.0016	-2.5 to 2.5	Pass

3. Modulation Characteristics

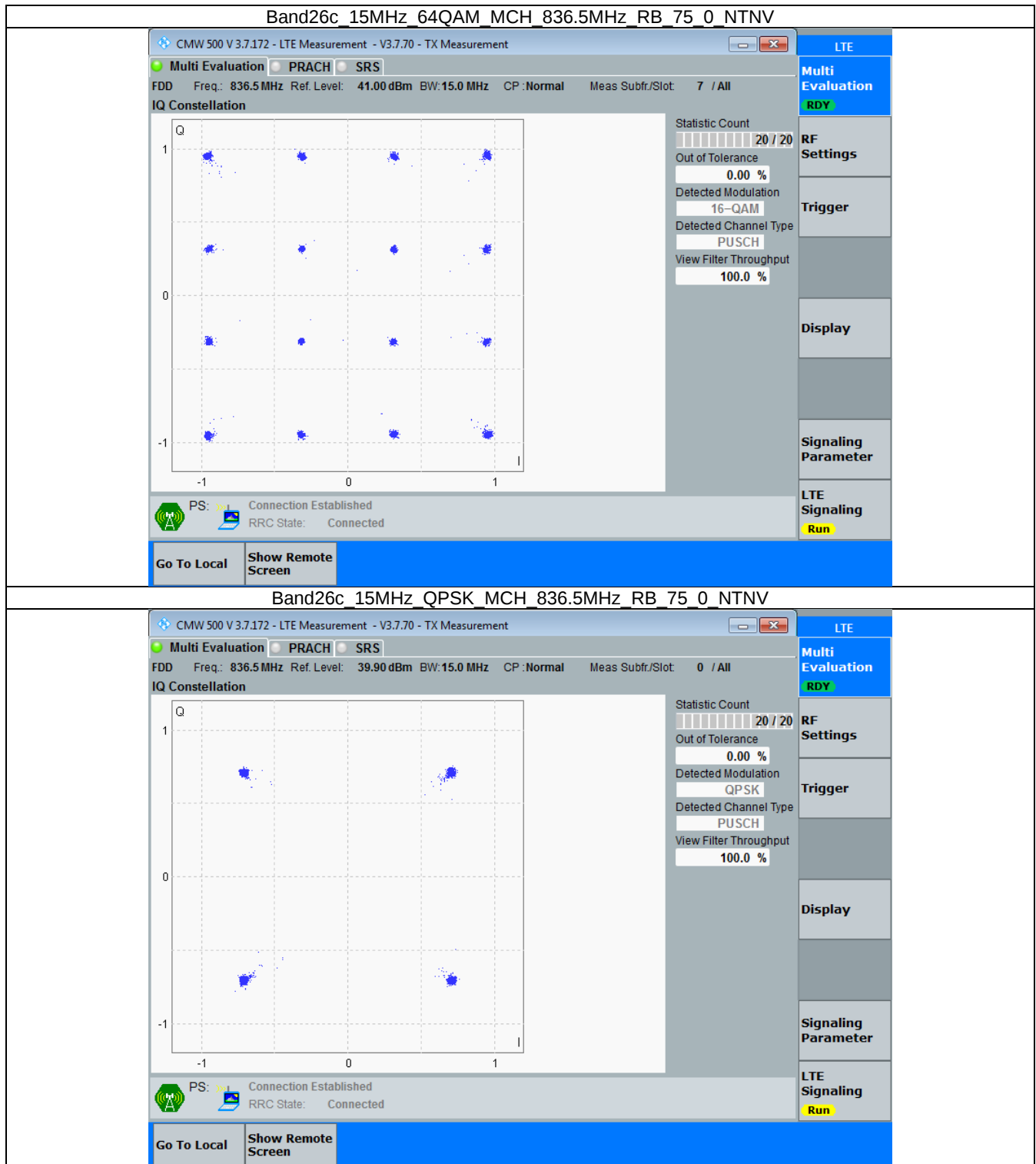
3.1 B26c_15MHz

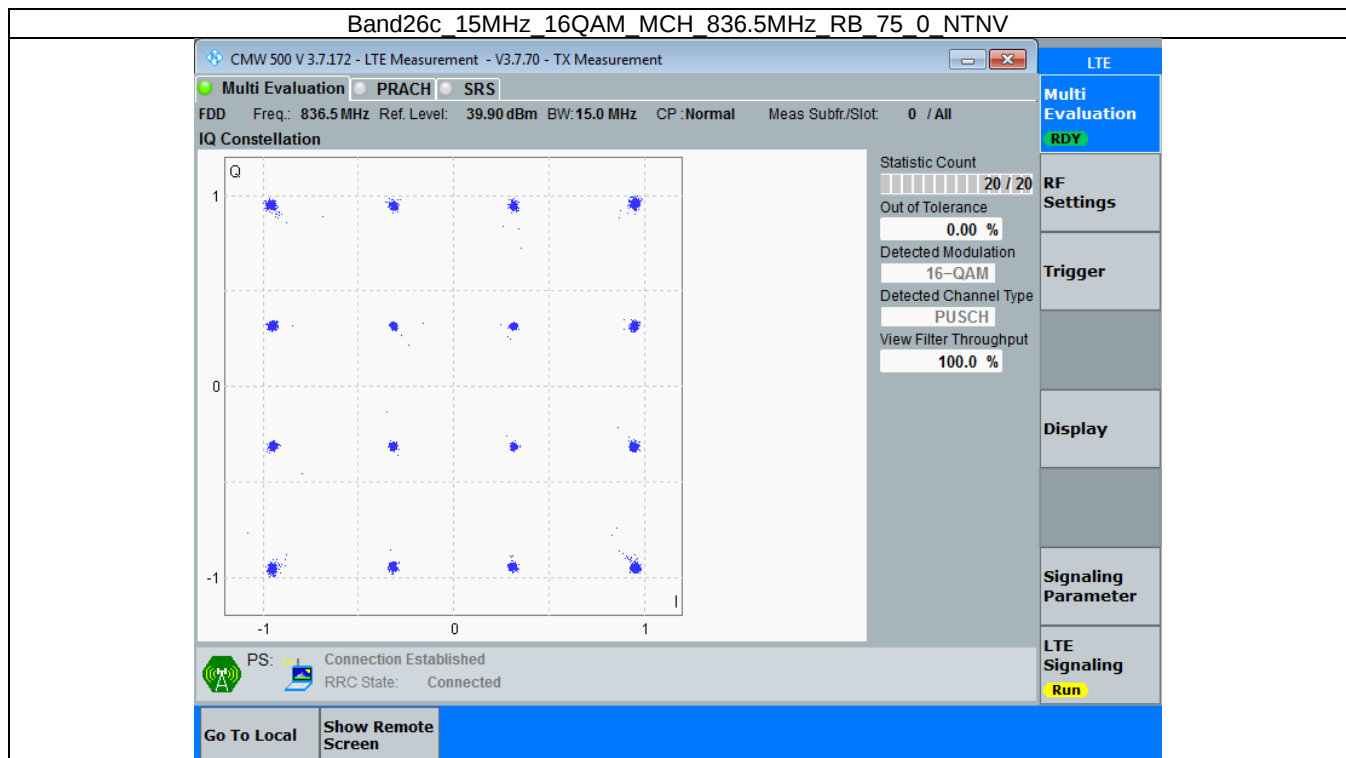
3.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
64QAM	836.5	75	0	Refer To Test Graph		Pass
QPSK	836.5	75	0	Refer To Test Graph		Pass
16QAM	836.5	75	0	Refer To Test Graph		Pass



3.1.2 Test Graph







4. 99% & 26dB Bandwidth

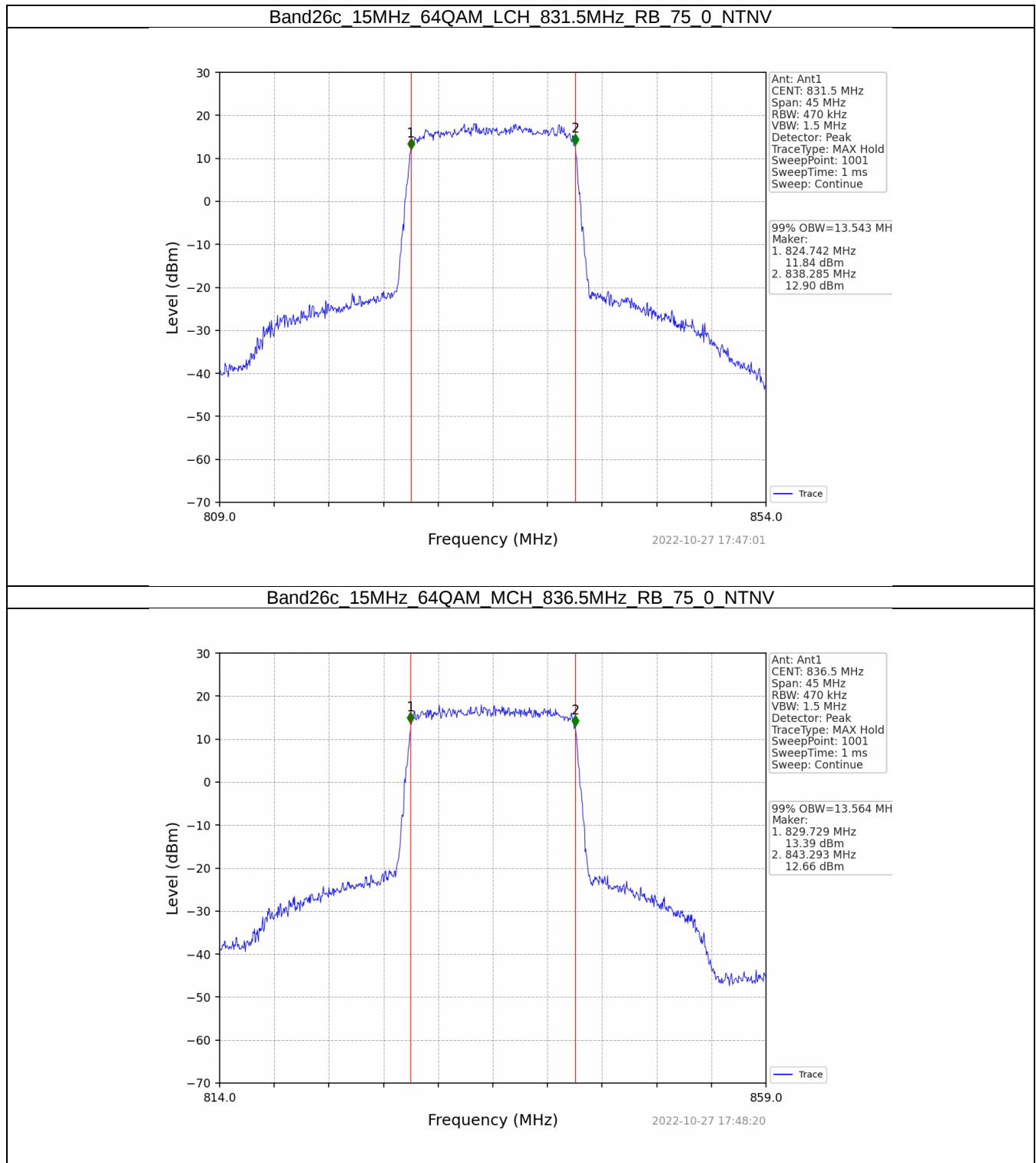
4.1 Band26c_OBW

4.1.1 Test Result

Band: 26c / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
15	64QAM	831.5	75	0	13.543	Pass
		836.5	75	0	13.564	Pass
		841.5	75	0	13.476	Pass
	QPSK	831.5	75	0	13.523	Pass
		836.5	75	0	13.547	Pass
		841.5	75	0	13.491	Pass
	16QAM	831.5	75	0	13.502	Pass
		836.5	75	0	13.568	Pass
		841.5	75	0	13.519	Pass

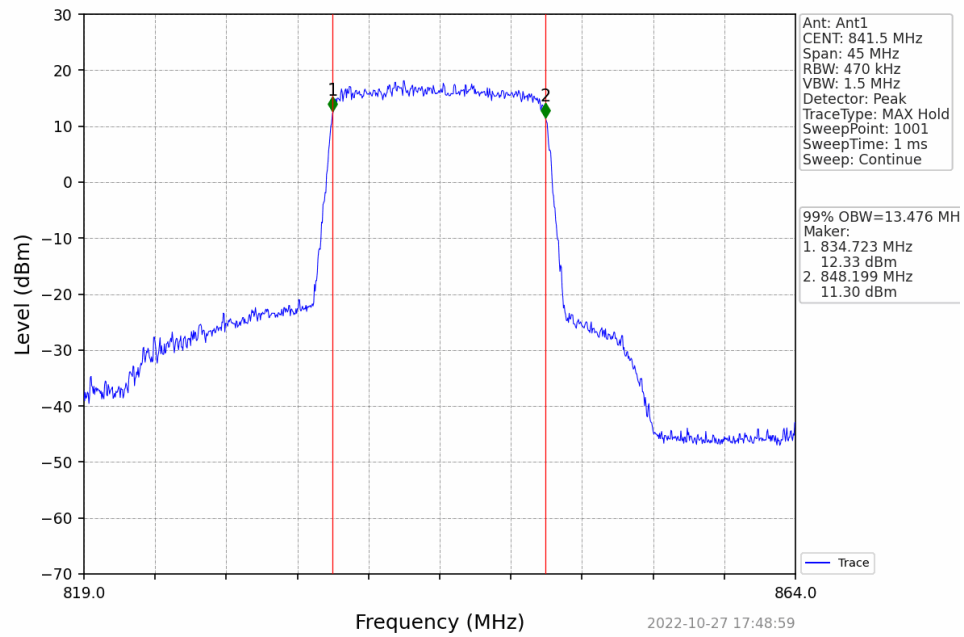


4.1.2 Test Graph

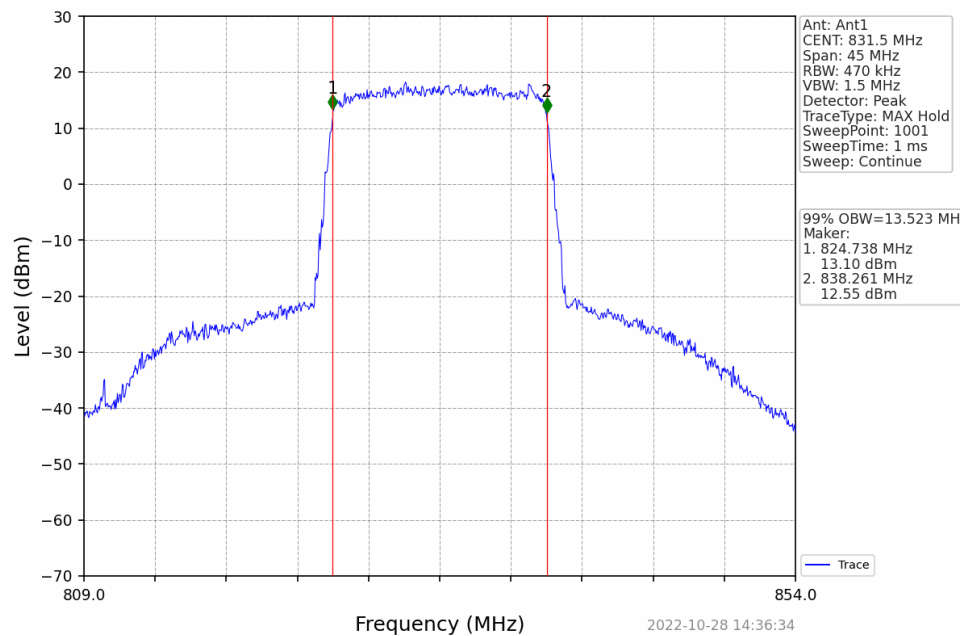




Band26c_15MHz_64QAM_HCH_841.5MHz_RB_75_0_NTNV

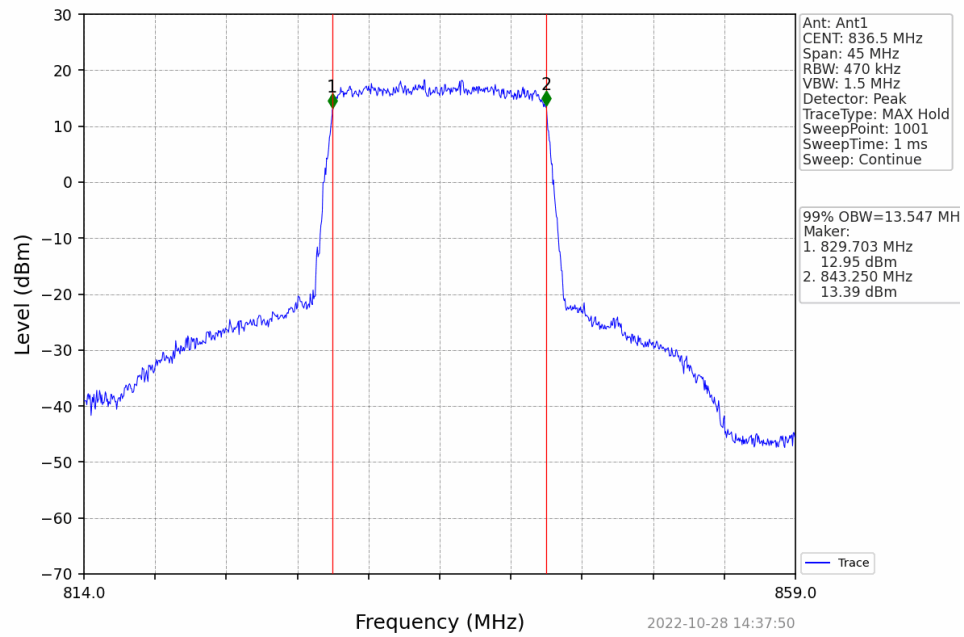


Band26c_15MHz_QPSK_LCH_831.5MHz_RB_75_0_NTNV

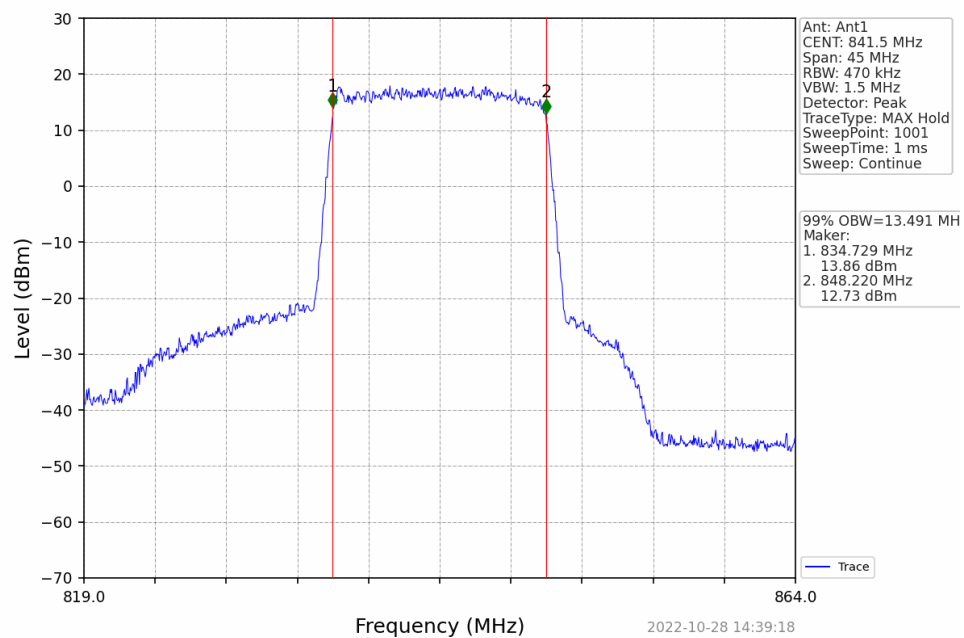




Band26c_15MHz_QPSK_MCH_836.5MHz_RB_75_0_NTNV

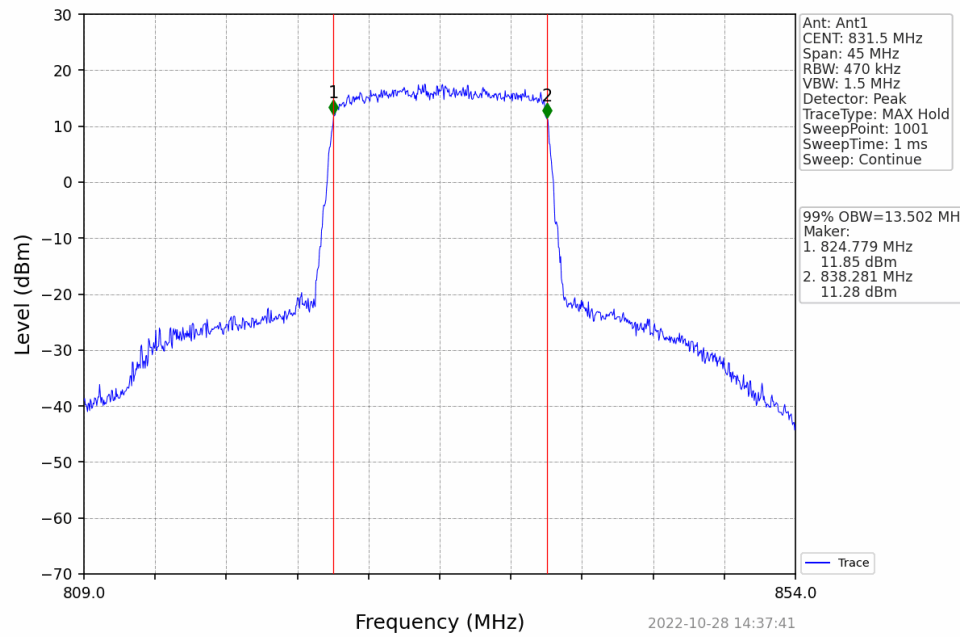


Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV

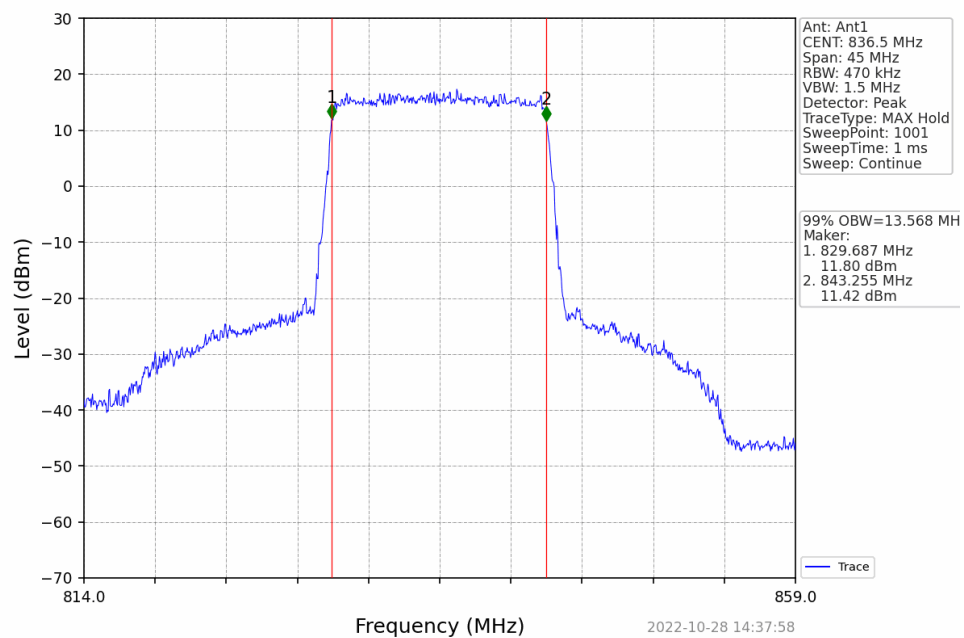


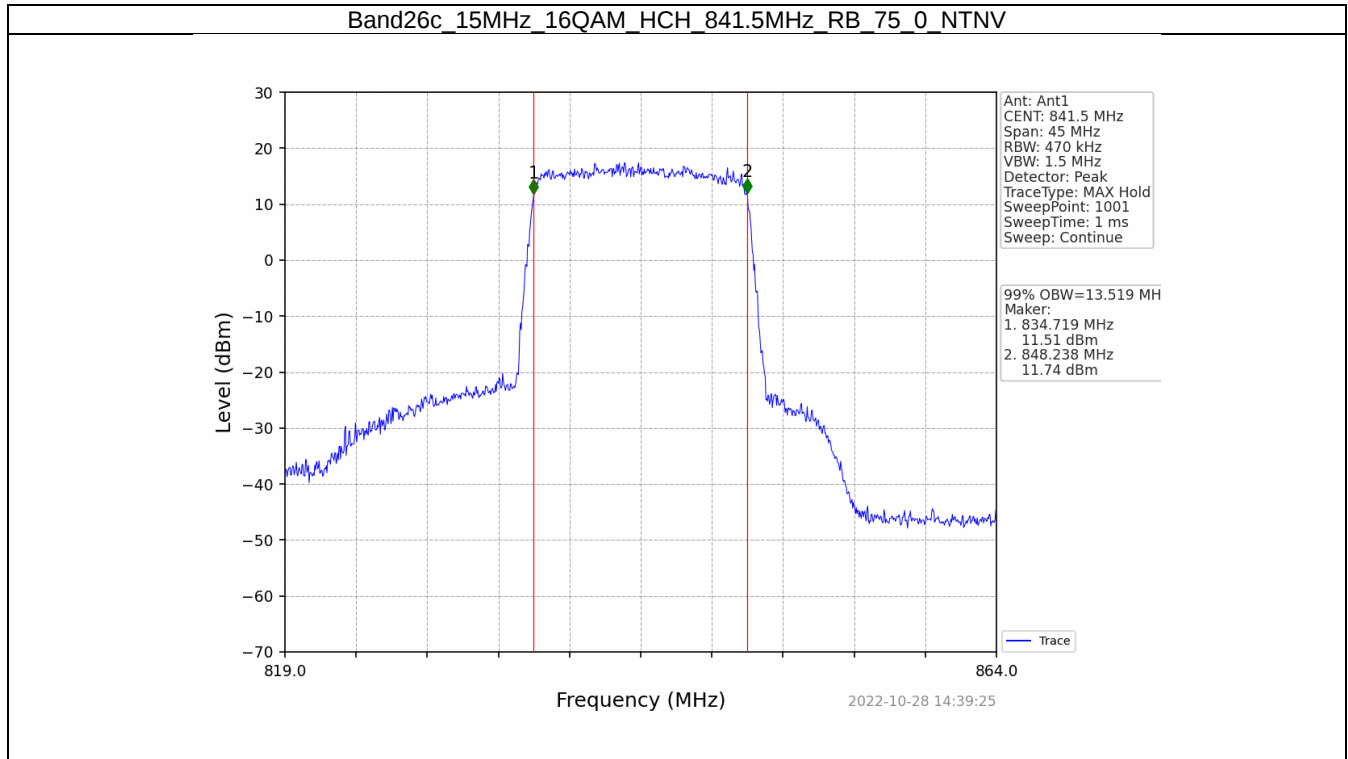


Band26c_15MHz_16QAM_LCH_831.5MHz_RB_75_0_NTNV



Band26c_15MHz_16QAM_MCH_836.5MHz_RB_75_0_NTNV







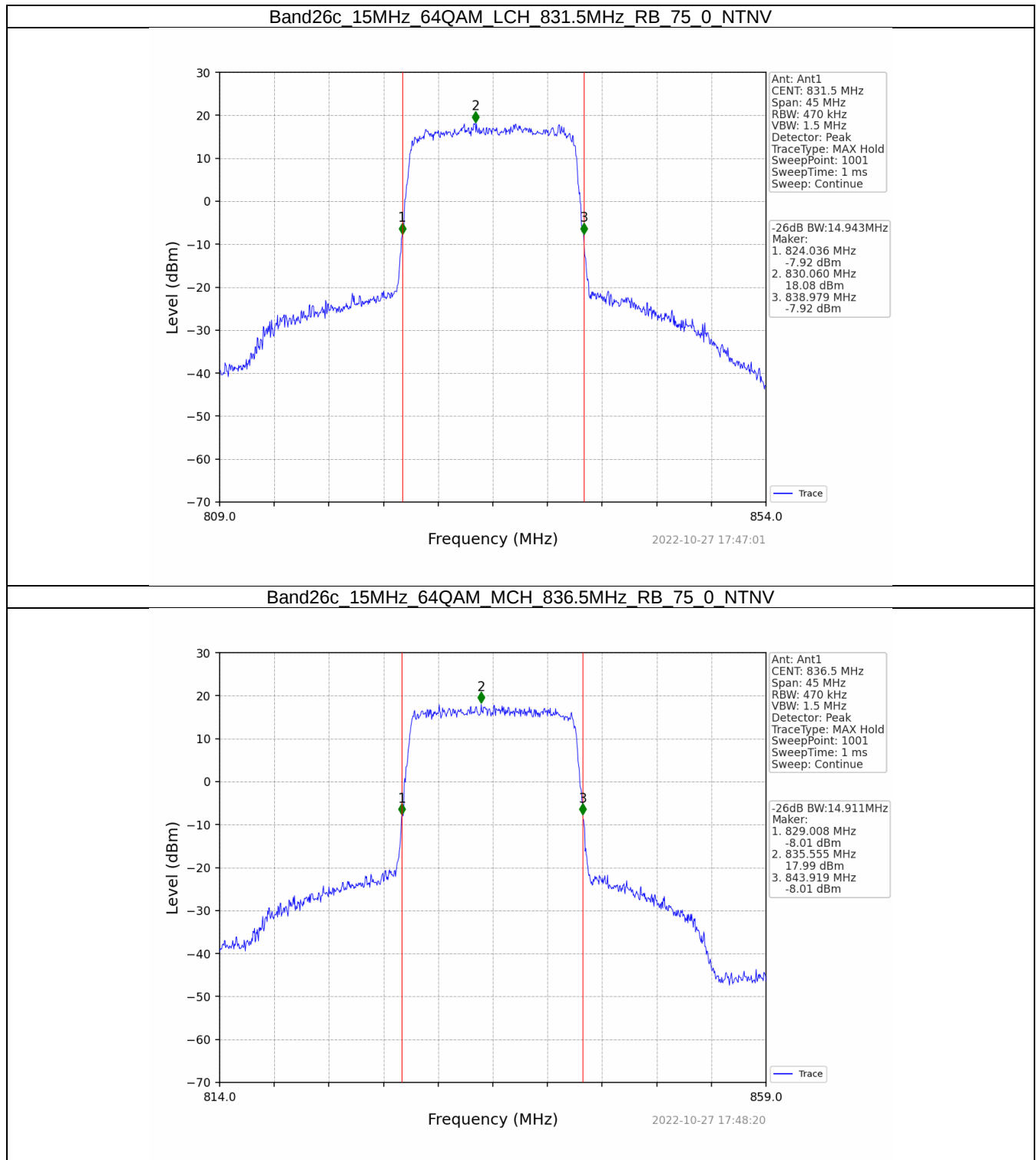
4.2 Band26c_XDB

4.2.1 Test Result

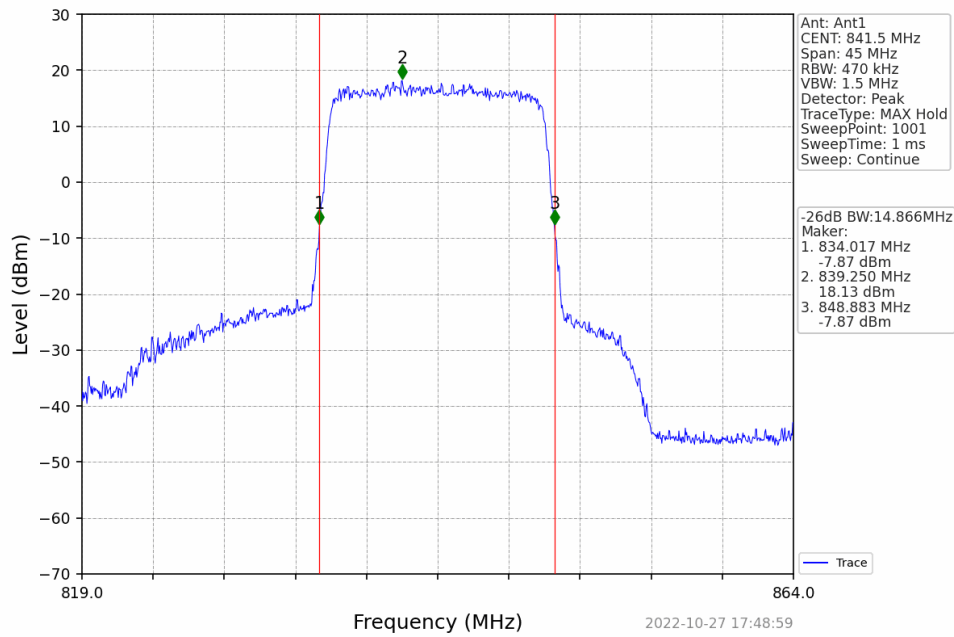
Band: 26c / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
15	64QAM	831.5	75	0	14.943	Pass
		836.5	75	0	14.911	Pass
		841.5	75	0	14.866	Pass
	QPSK	831.5	75	0	14.964	Pass
		836.5	75	0	14.971	Pass
		841.5	75	0	14.866	Pass
	16QAM	831.5	75	0	14.939	Pass
		836.5	75	0	14.907	Pass
		841.5	75	0	14.898	Pass



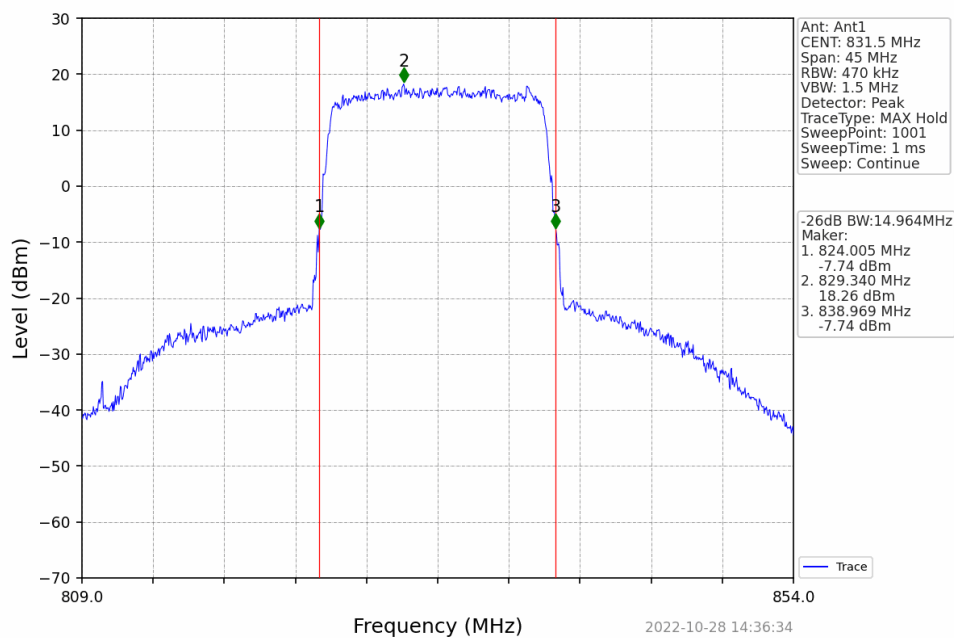
4.2.2 Test Graph



Band26c_15MHz_64QAM_HCH_841.5MHz_RB_75_0_NTNV

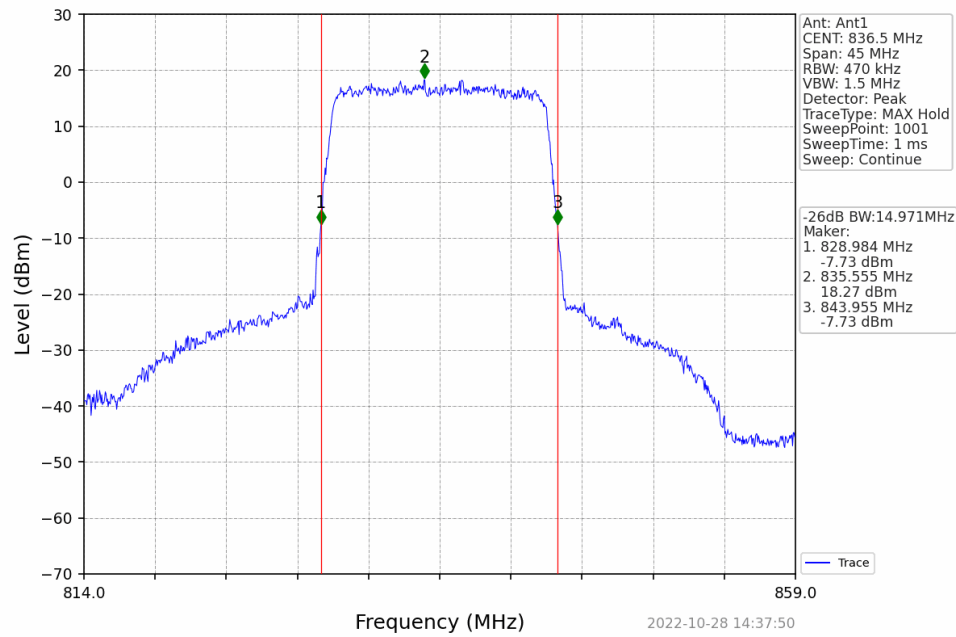


Band26c_15MHz_QPSK_LCH_831.5MHz_RB_75_0_NTNV

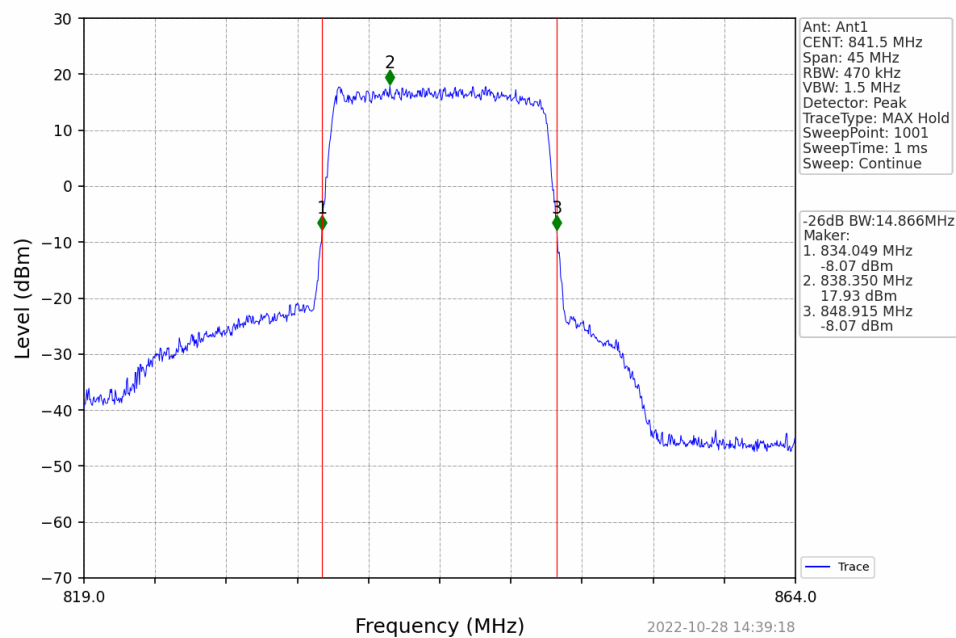




Band26c_15MHz_QPSK_MCH_836.5MHz_RB_75_0_NTNV

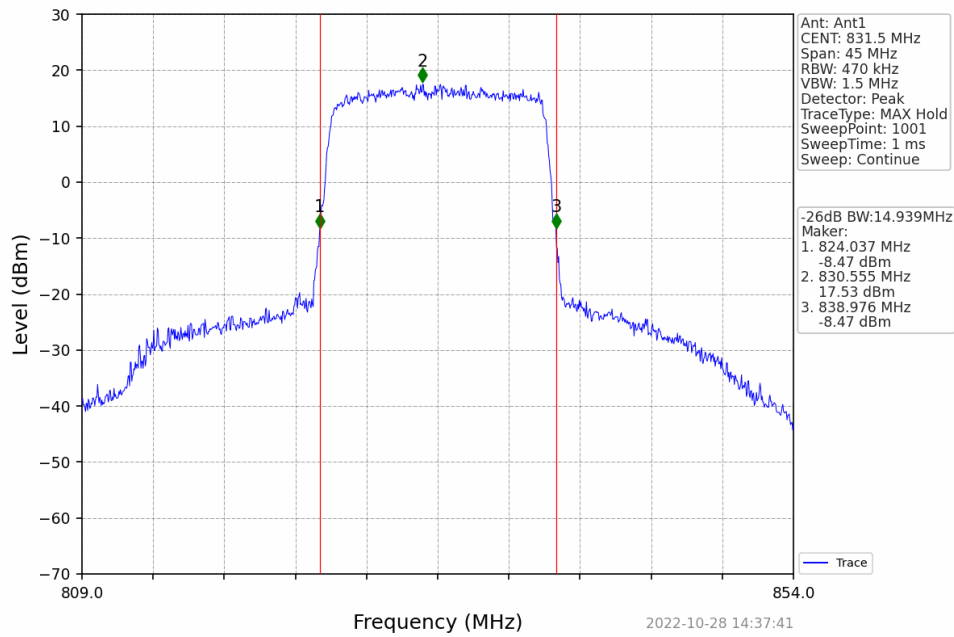


Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV

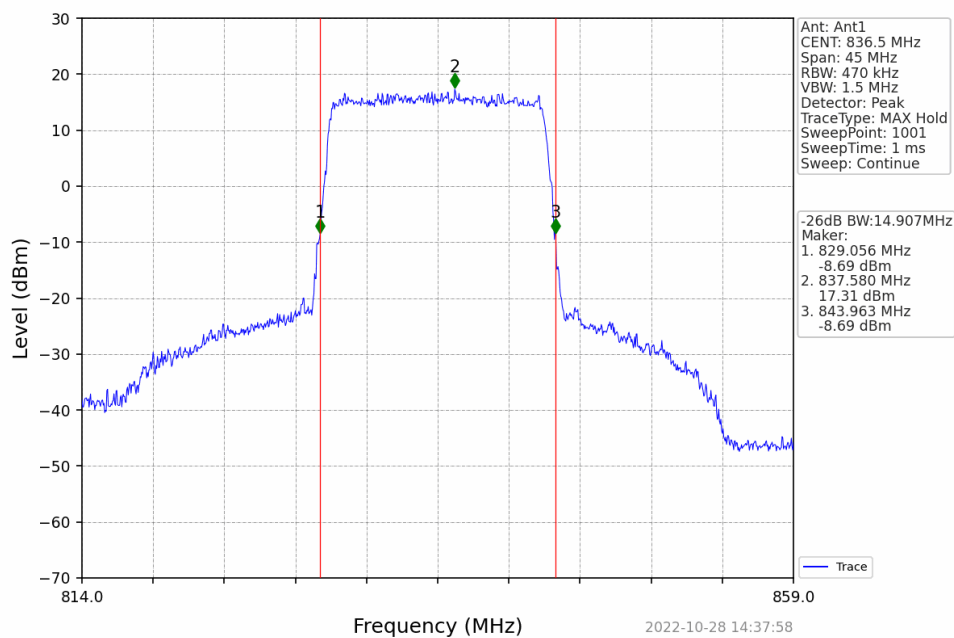


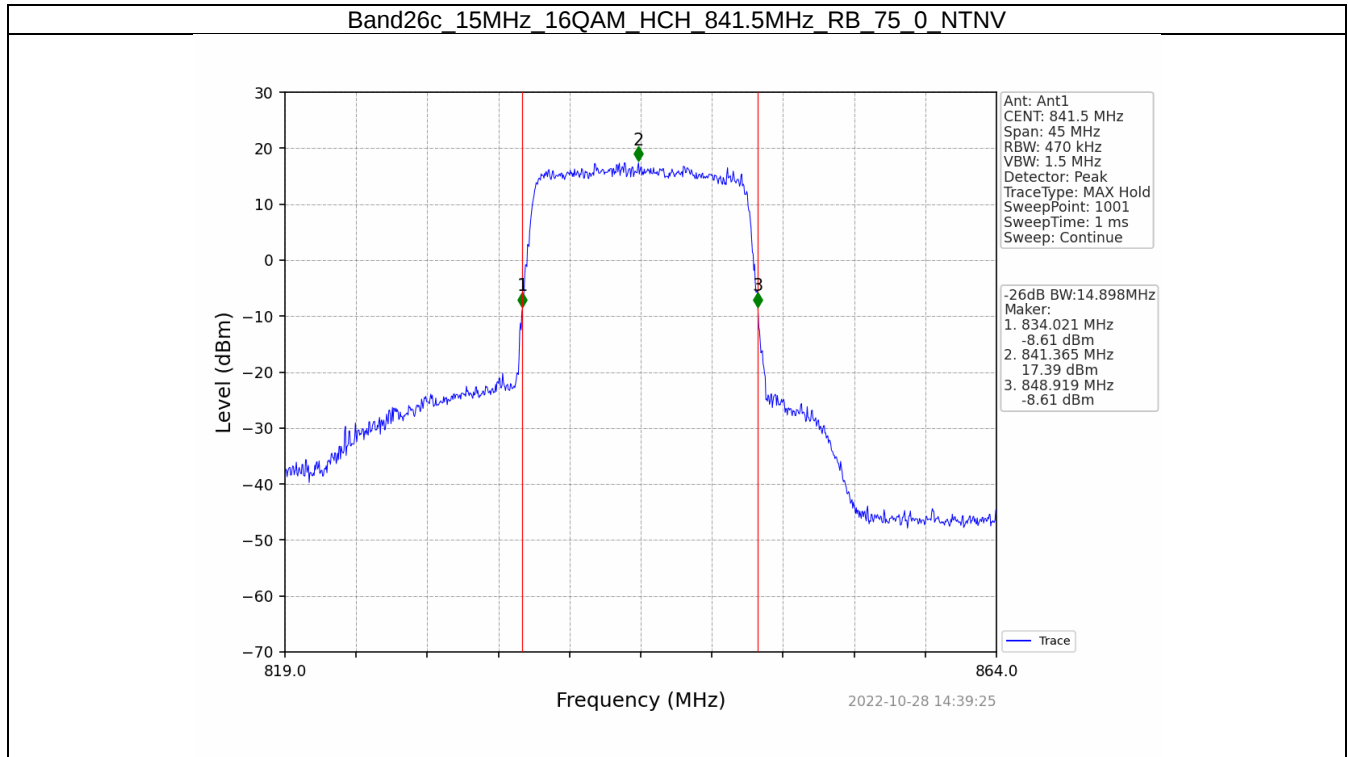


Band26c_15MHz_16QAM_LCH_831.5MHz_RB_75_0_NTNV



Band26c_15MHz_16QAM_MCH_836.5MHz_RB_75_0_NTNV







5. Peak-Average Ratio

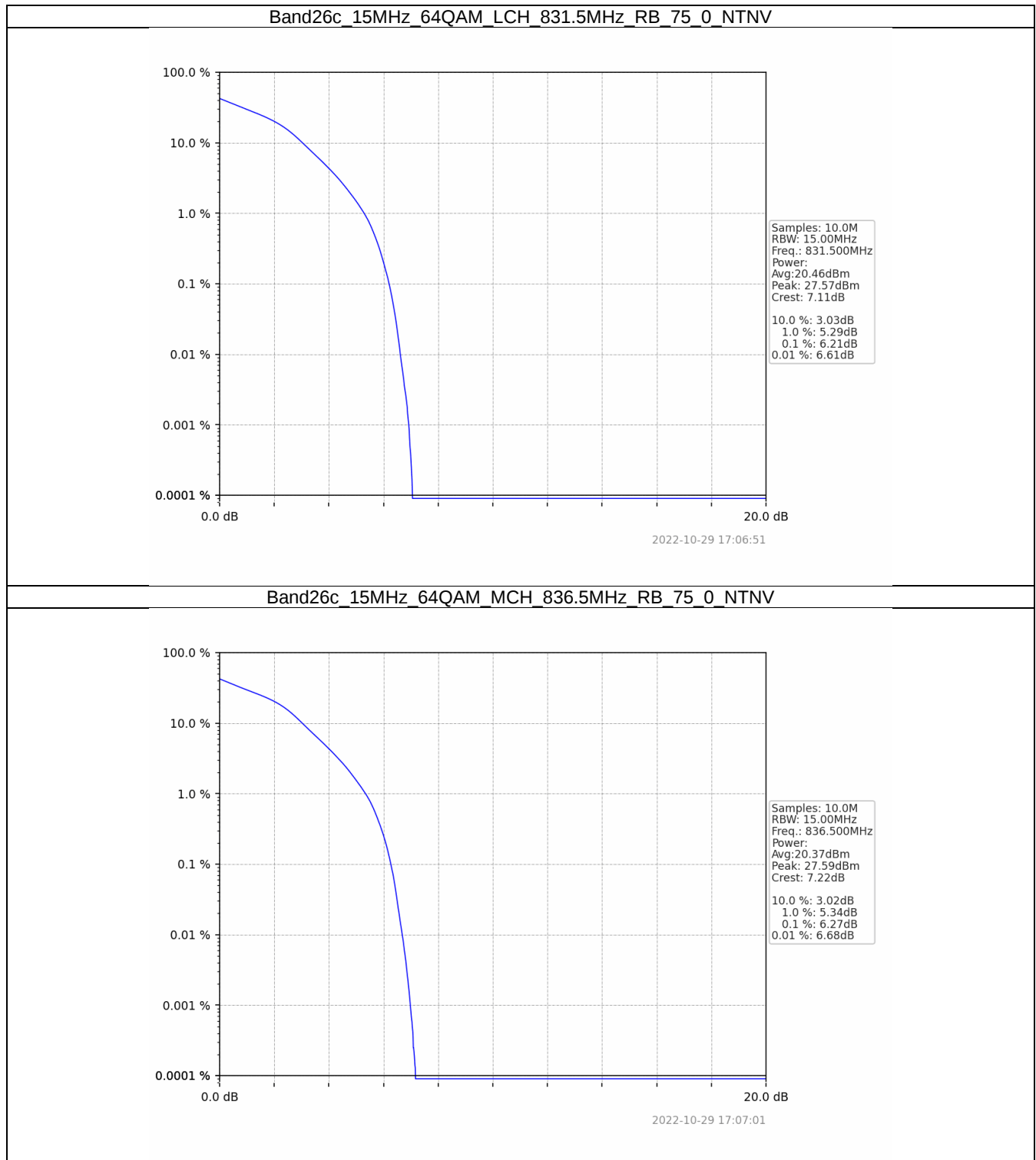
5.1 B26c_15MHz

5.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	831.5	75	0	6.21	<=13	Pass
	836.5	75	0	6.27	<=13	Pass
	841.5	75	0	6.19	<=13	Pass
QPSK	831.5	75	0	5.50	<=13	Pass
	836.5	75	0	5.56	<=13	Pass
	841.5	75	0	5.48	<=13	Pass
16QAM	831.5	75	0	6.27	<=13	Pass
	836.5	75	0	6.31	<=13	Pass
	841.5	75	0	6.24	<=13	Pass

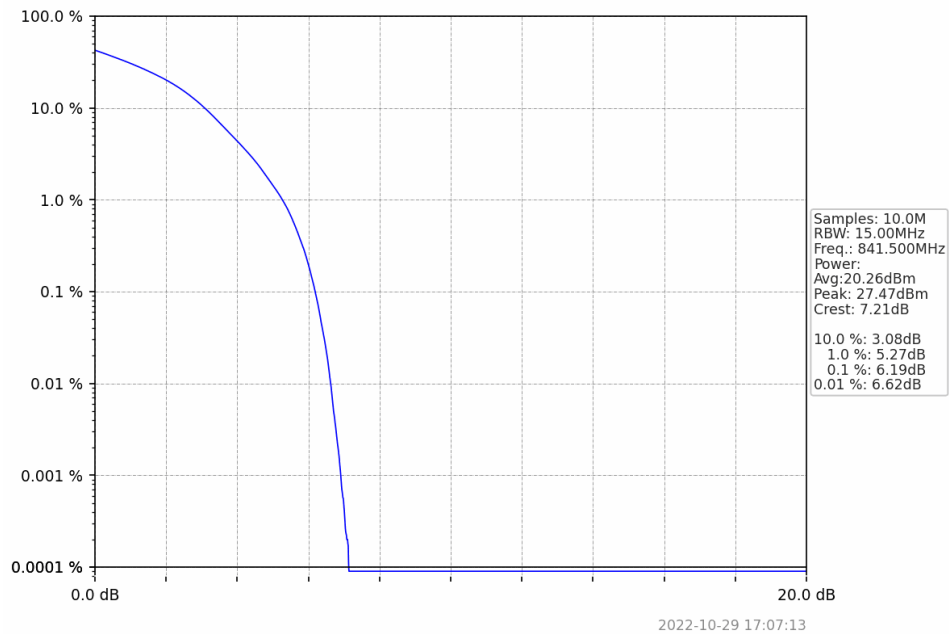


5.1.2 Test Graph

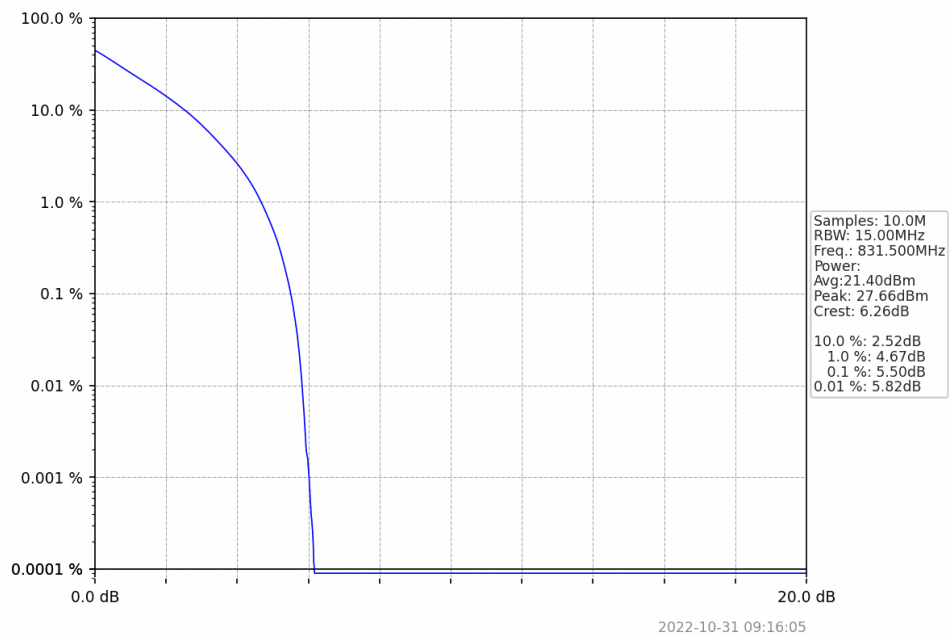




Band26c_15MHz_64QAM_HCH_841.5MHz_RB_75_0_NTNV

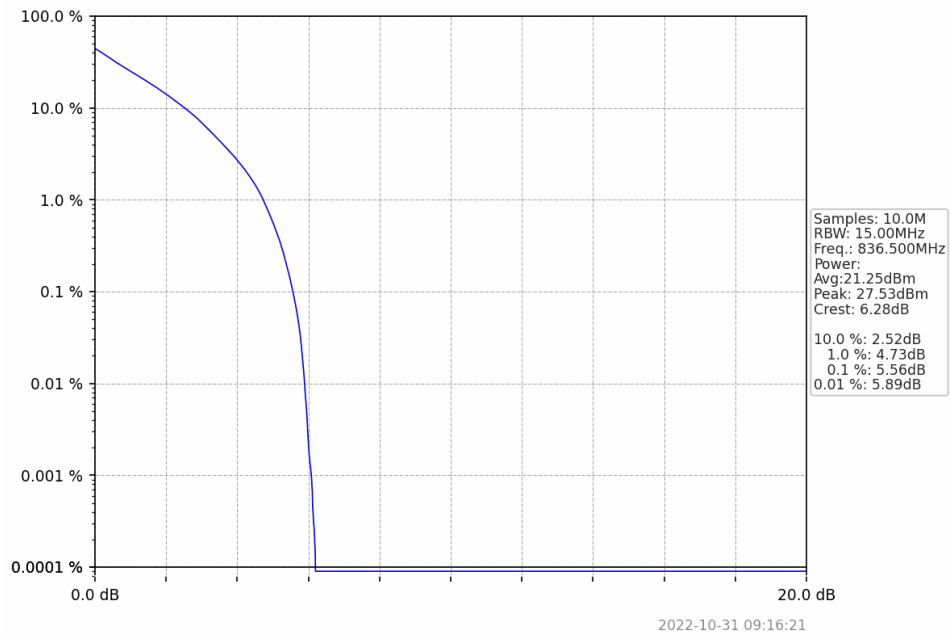


Band26c_15MHz_QPSK_LCH_831.5MHz_RB_75_0_NTNV

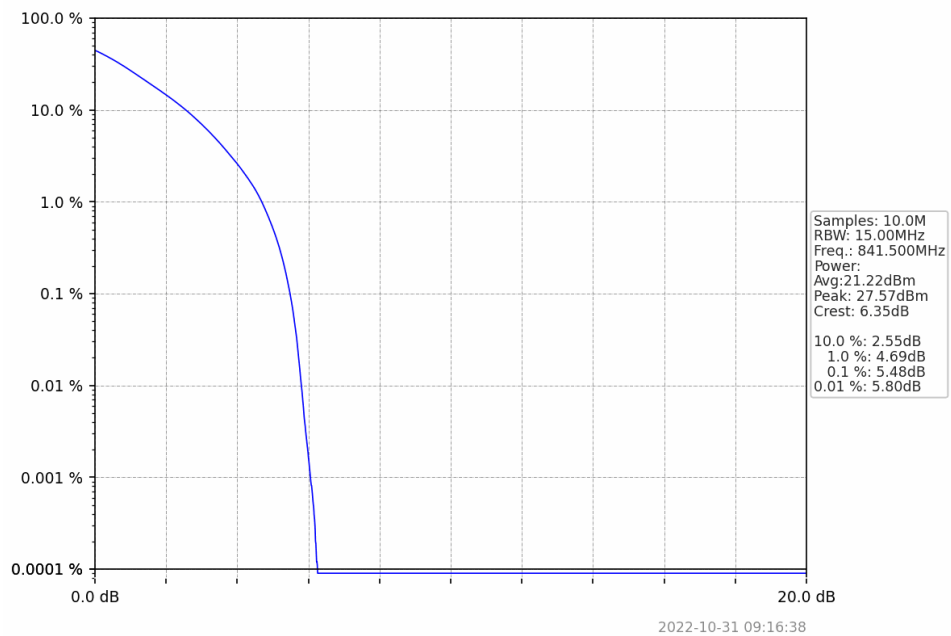




Band26c_15MHz_QPSK_MCH_836.5MHz_RB_75_0_NTNV

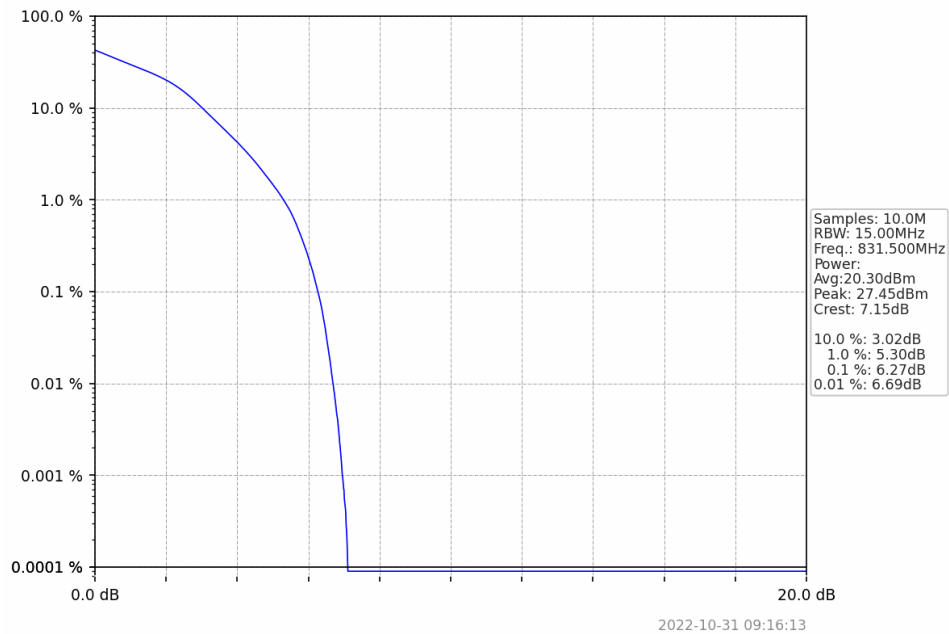


Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV

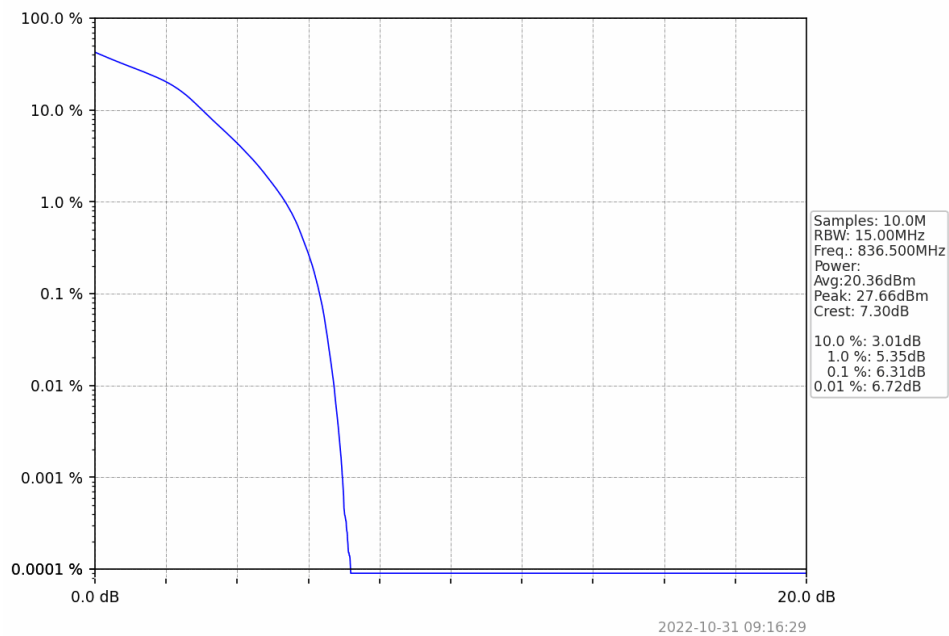


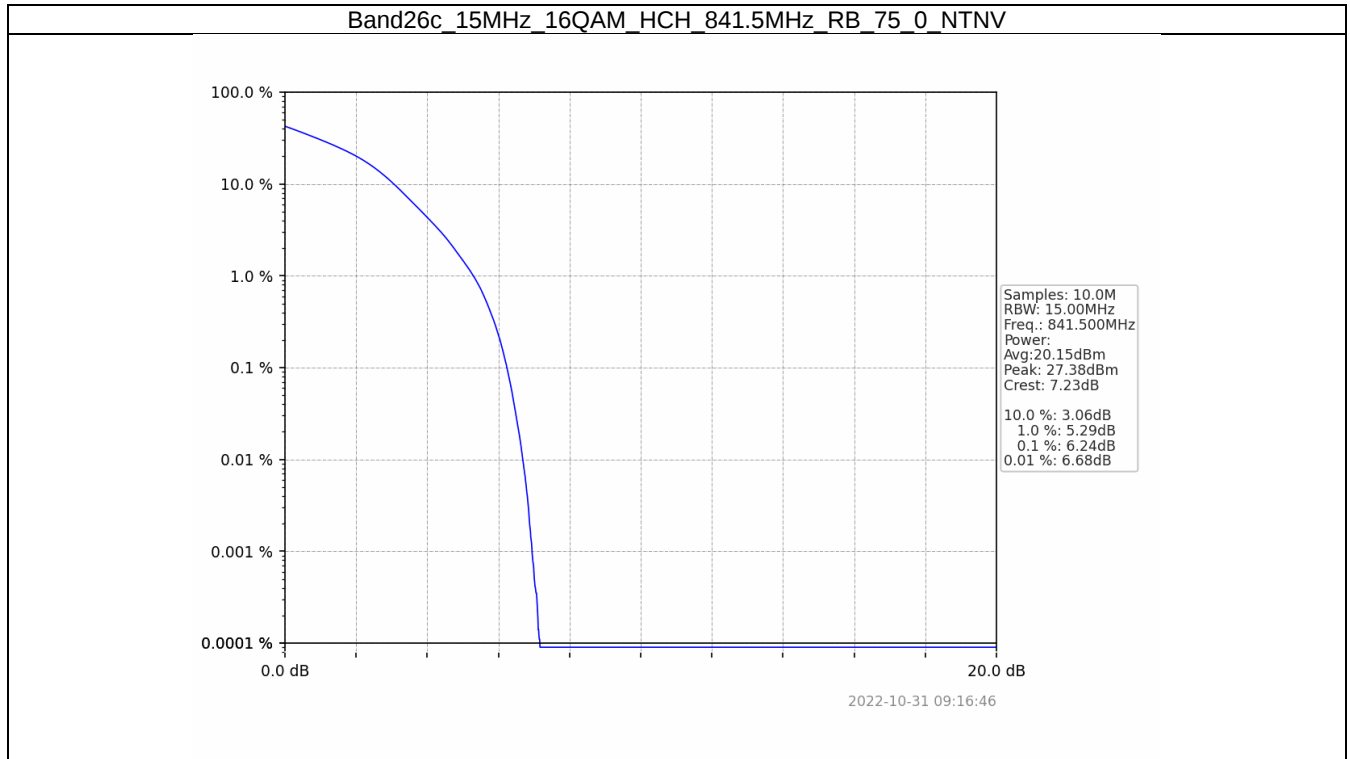


Band26c_15MHz_16QAM_LCH_831.5MHz_RB_75_0_NTNV



Band26c_15MHz_16QAM_MCH_836.5MHz_RB_75_0_NTNV







6. Spurious Emission

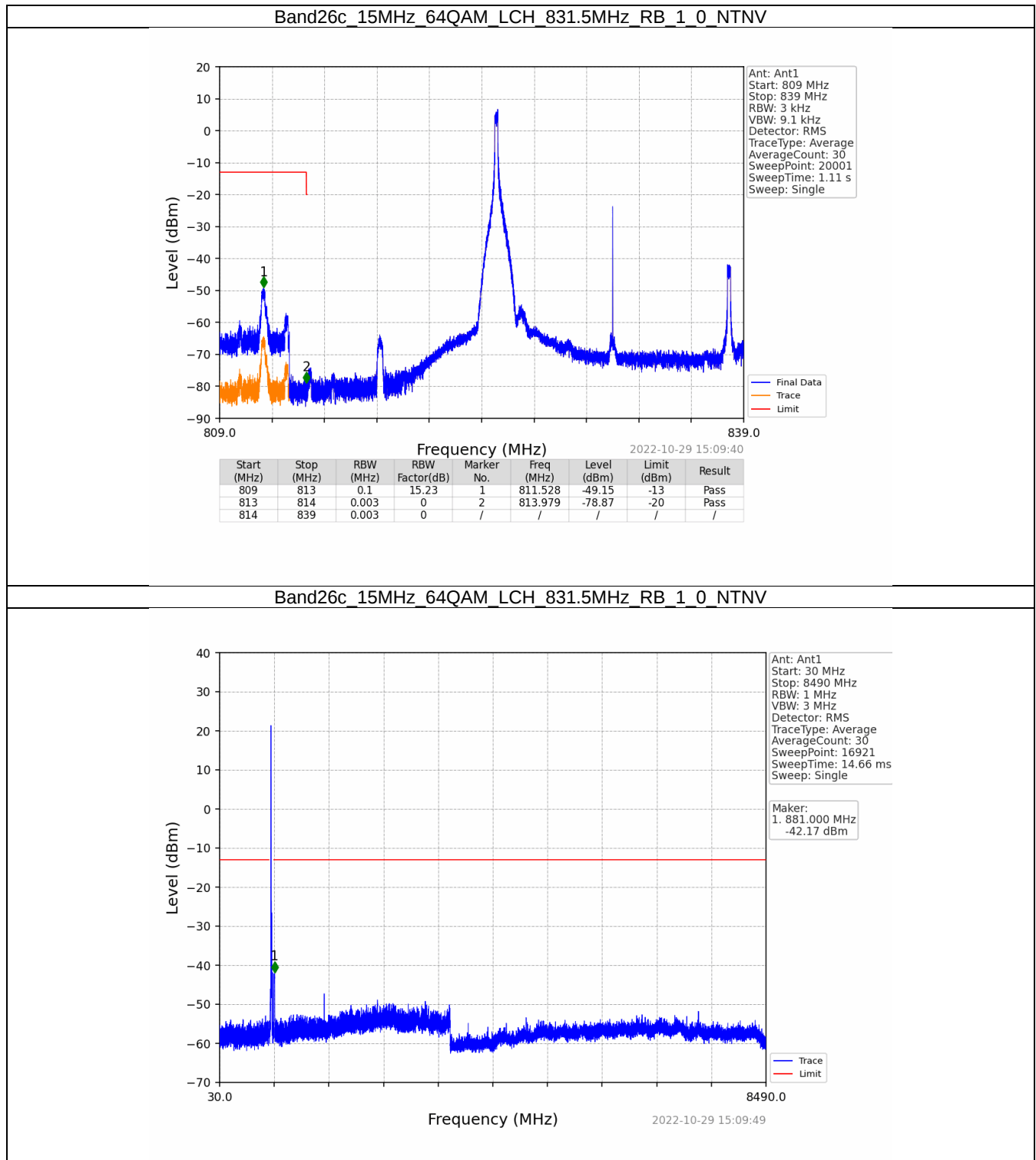
6.1 B26c_15MHz

6.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
64QAM	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
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
			0	Refer To Test Graph	Pass
		1	74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
16QAM	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

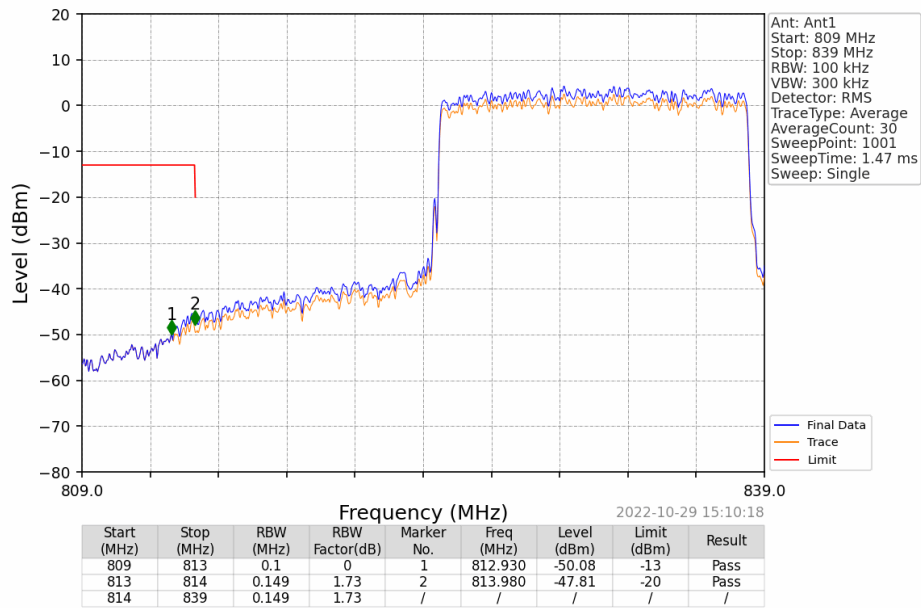


6.1.2 Test Graph

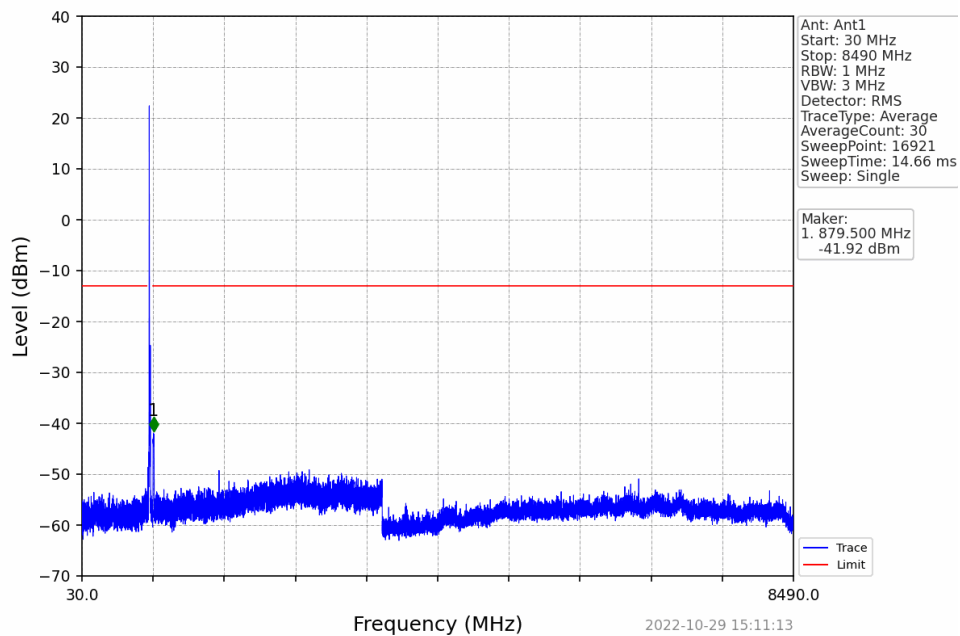




Band26c_15MHz_64QAM_LCH_831.5MHz_RB_75_0_NTNV

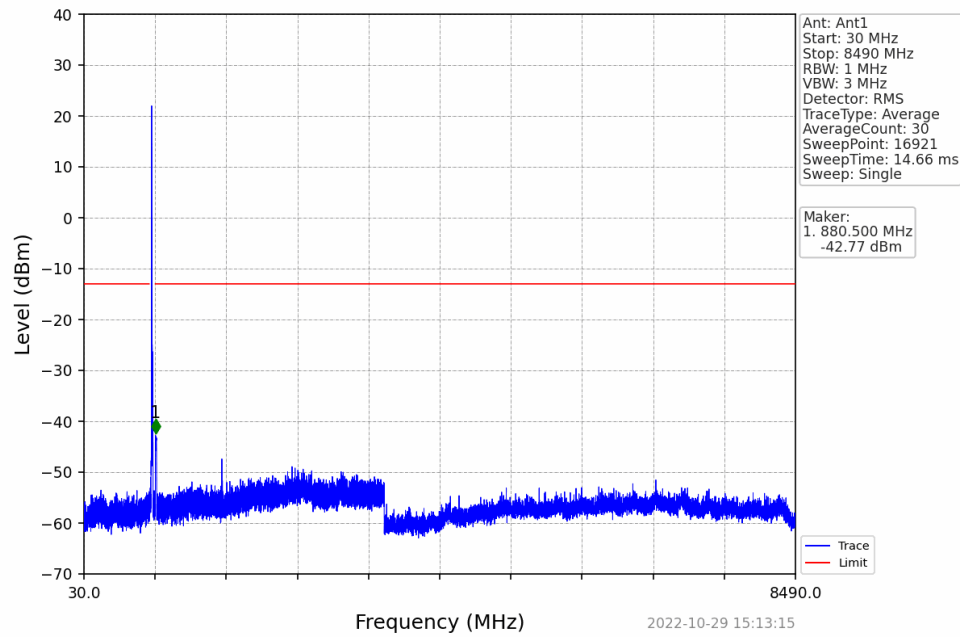


Band26c_15MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV

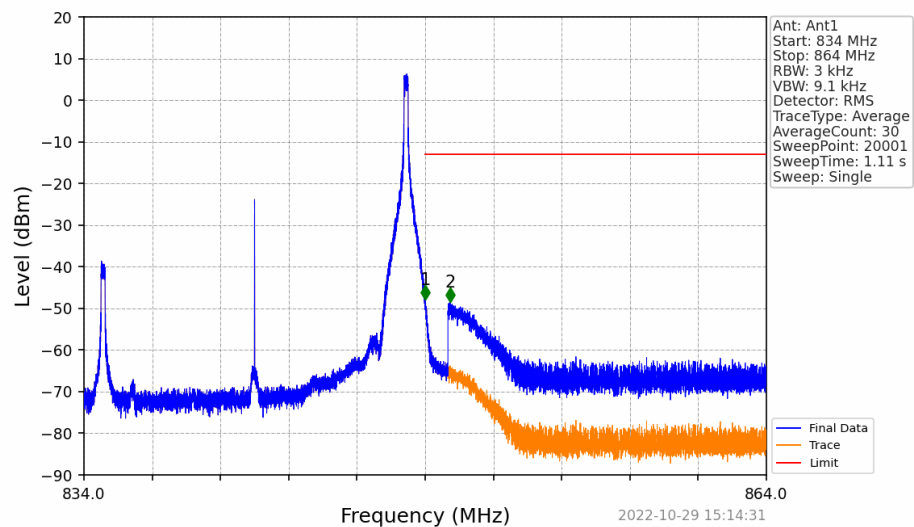




Band26c_15MHz_64QAM_HCH_841.5MHz_RB_1_0_NTNV

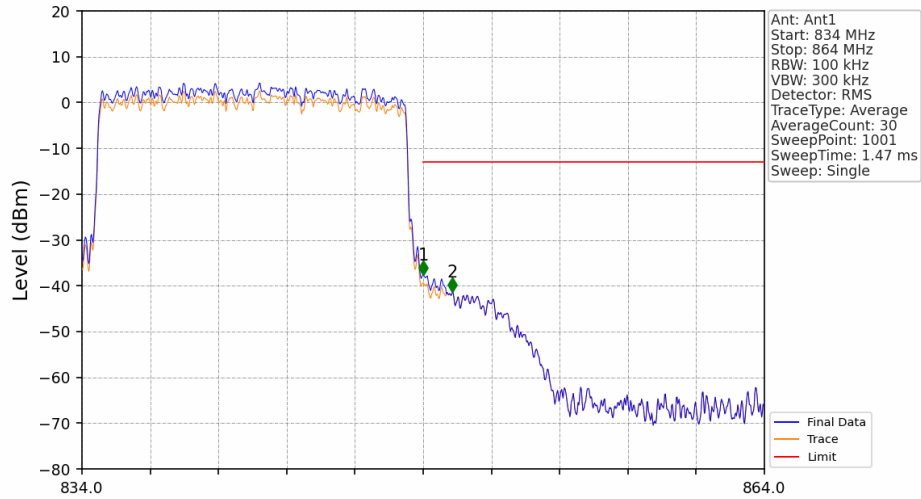


Band26c_15MHz_64QAM_HCH_841.5MHz_RB_1_74_NTNV



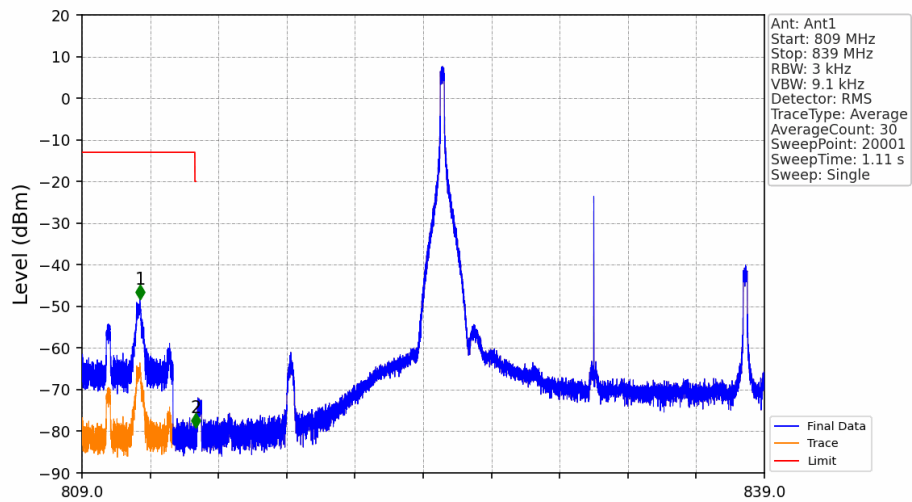
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	0	/	/	/	/	/
849	850	0.003	0	1	849.006	-47.93	-13	Pass
850	864	0.1	15.23	2	850.096	-48.54	-13	Pass

Band26c_15MHz_64QAM_HCH_841.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.149	1.73	/	/	/	/	/
849	850	0.149	1.73	1	849.000	-37.67	-13	Pass
850	864	0.1	0	2	850.290	-41.40	-13	Pass

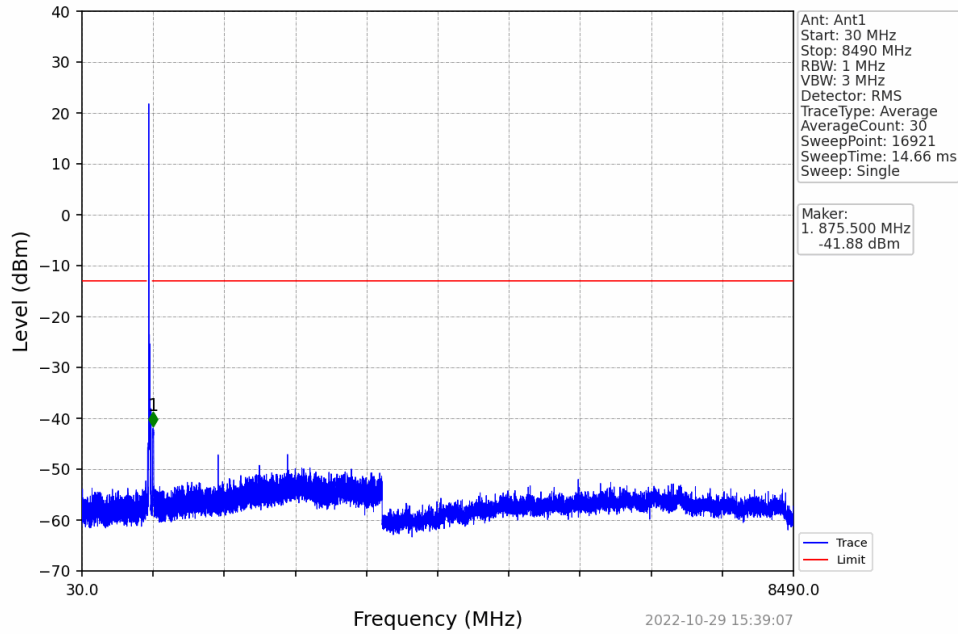
Band26c_15MHz_QPSK_LCH_831.5MHz_RB_1_0_NTNV



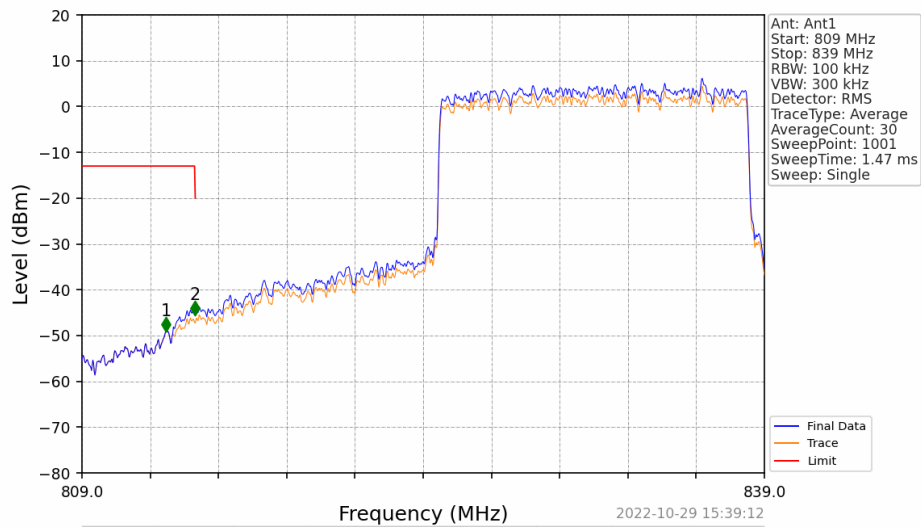
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	15.23	1	811.548	-48.30	-13	Pass
813	814	0.003	0	2	813.994	-79.12	-20	Pass
814	839	0.003	0	/	/	/	/	/



Band26c_15MHz_QPSK_LCH_831.5MHz_RB_1_0_NTNV



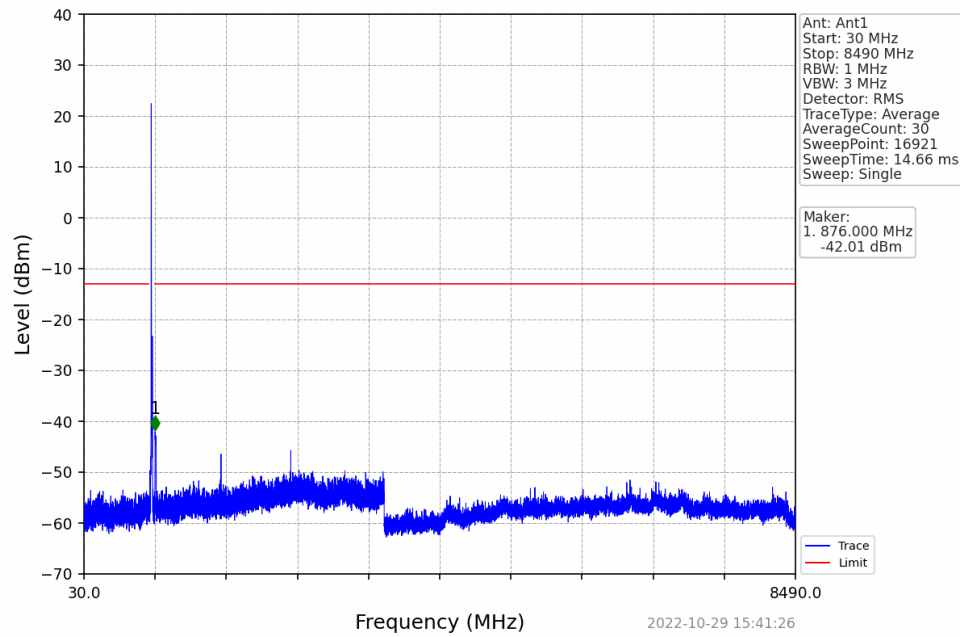
Band26c_15MHz_QPSK_LCH_831.5MHz_RB_75_0_NTNV



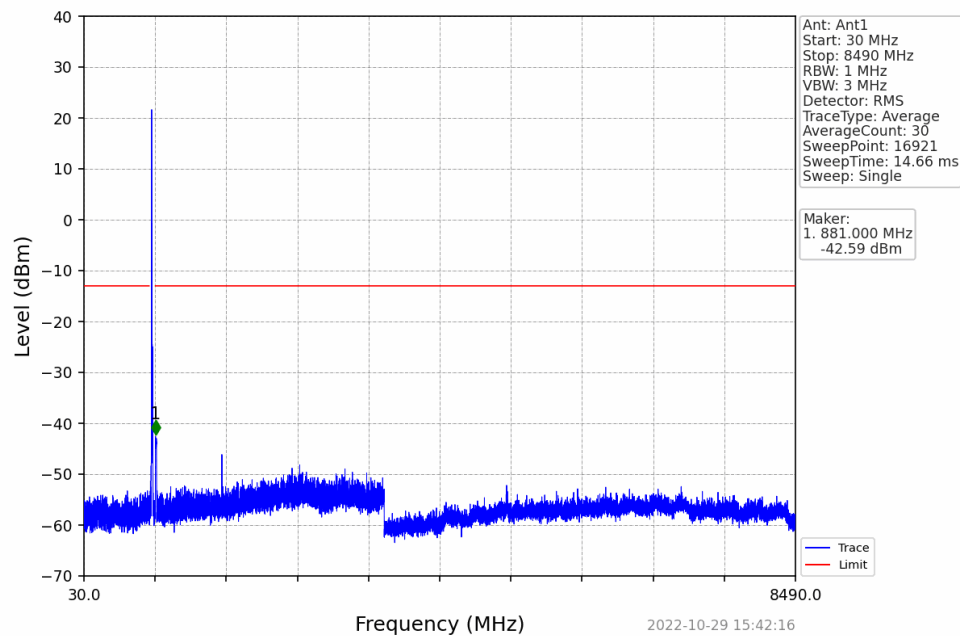
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	0	1	812.690	-49.06	-13	Pass
813	814	0.149	1.73	2	813.980	-45.55	-20	Pass
814	839	0.149	1.73	/	/	/	/	/



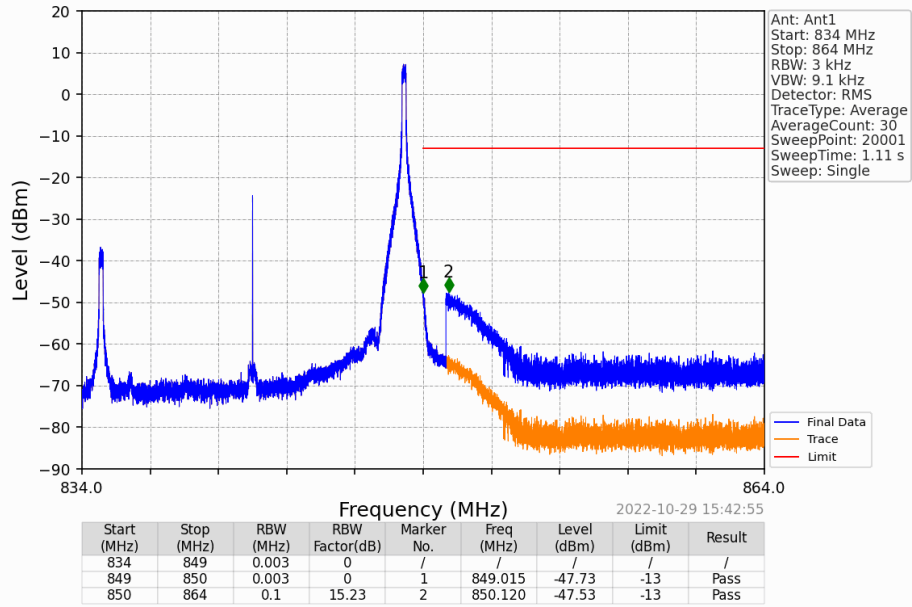
Band26c_15MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



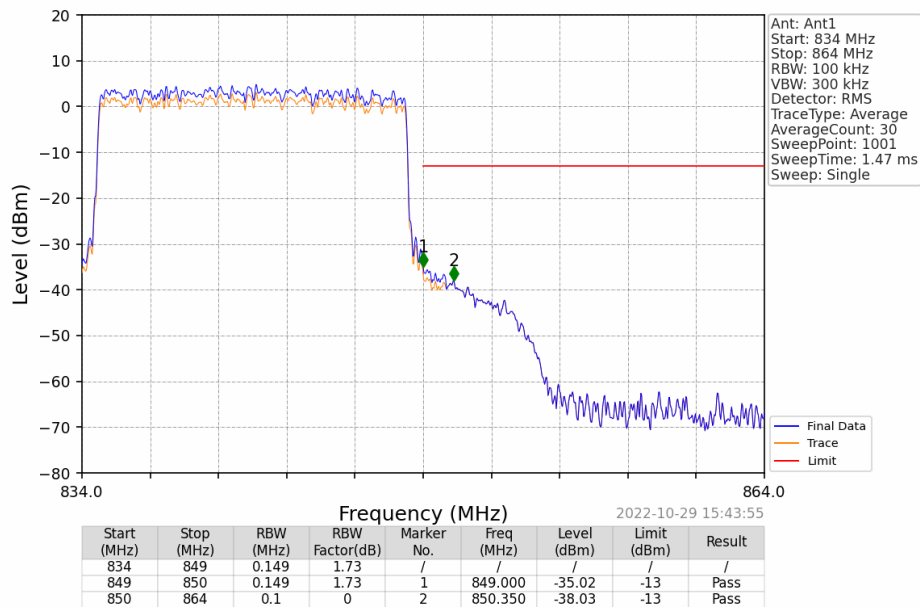
Band26c_15MHz_QPSK_HCH_841.5MHz_RB_1_0_NTNV



Band26c_15MHz_QPSK_HCH_841.5MHz_RB_1_74_NTNV

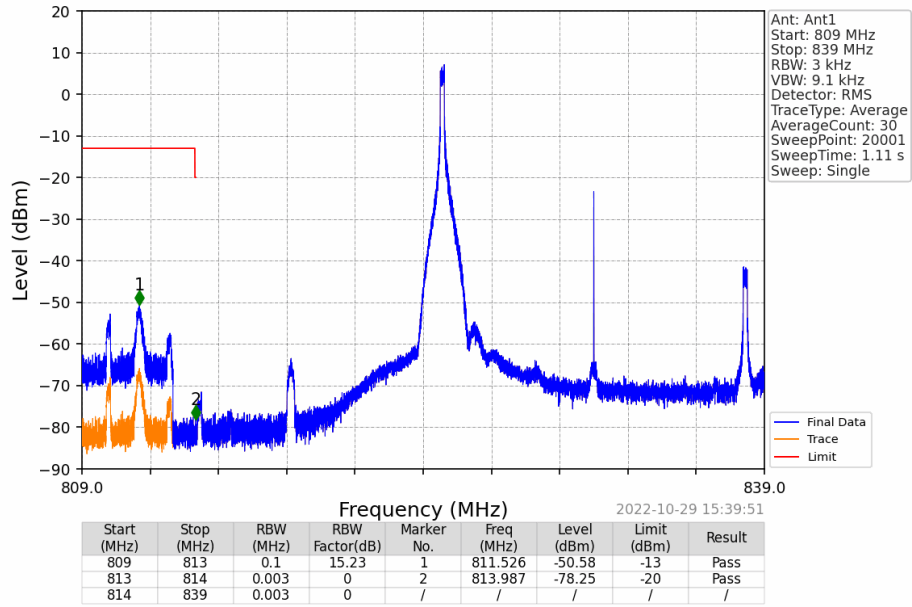


Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV

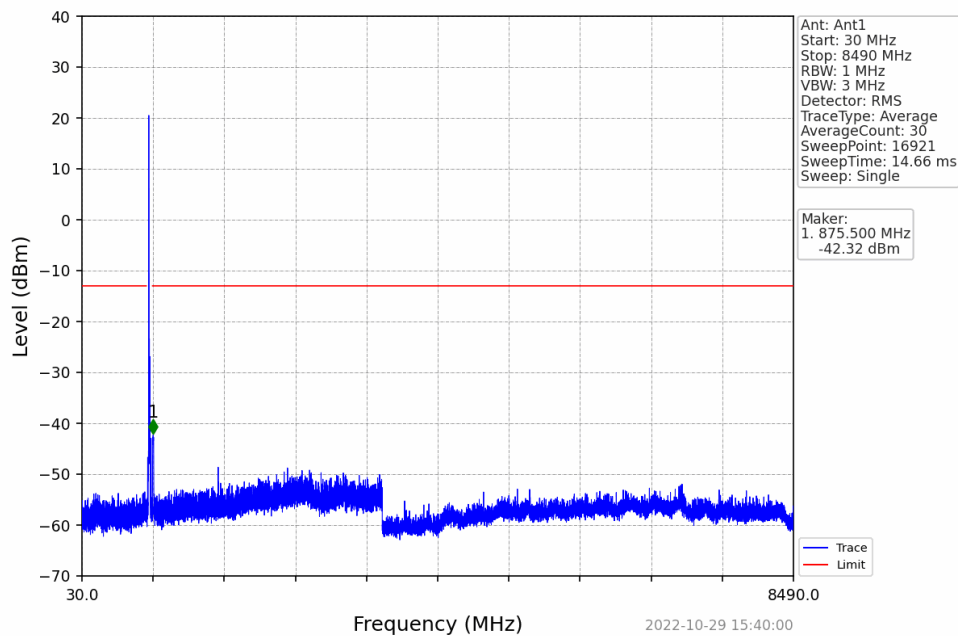




Band26c_15MHz_16QAM_LCH_831.5MHz_RB_1_0_NTNV

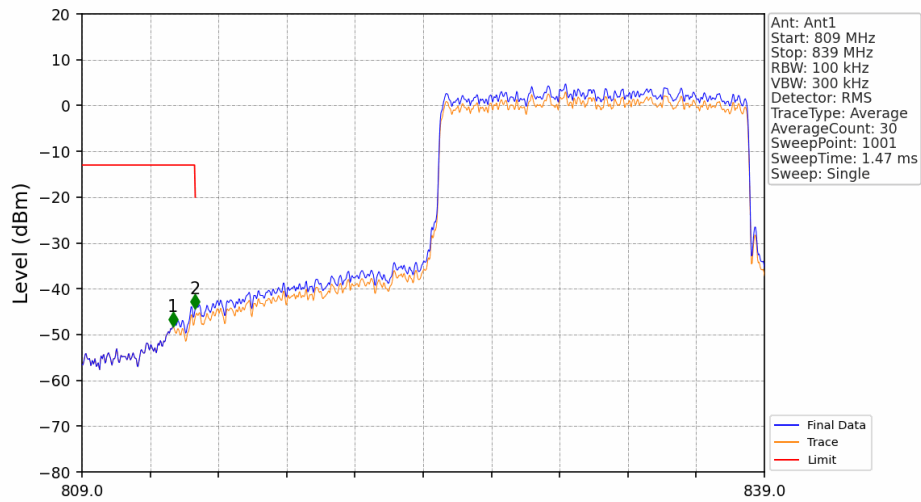


Band26c_15MHz_16QAM_LCH_831.5MHz_RB_1_0_NTNV



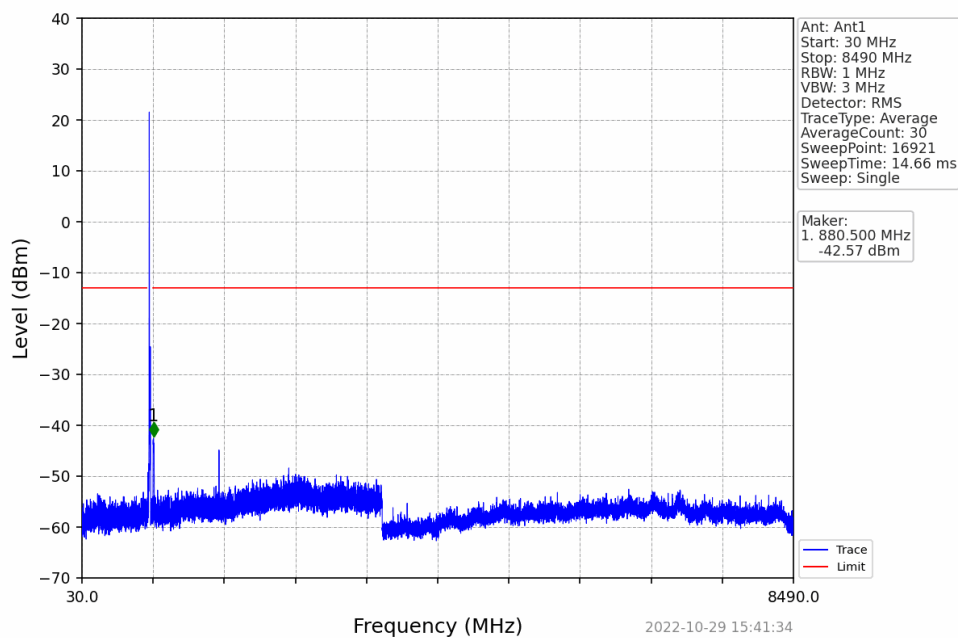


Band26c_15MHz_16QAM_LCH_831.5MHz_RB_75_0_NTNV



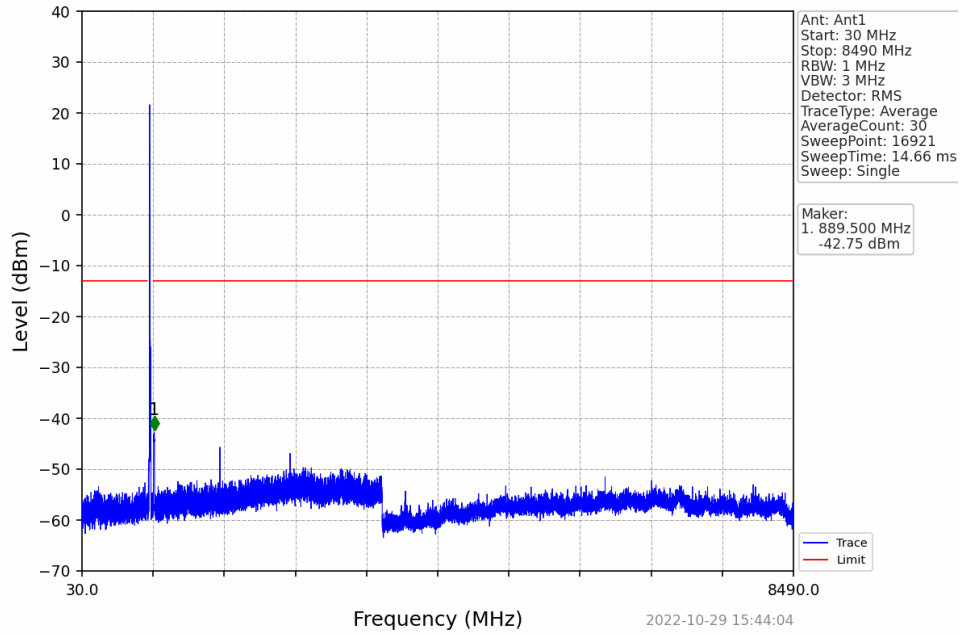
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	0	1	812.990	-48.29	-13	Pass
813	814	0.15	1.76	2	813.980	-44.44	-20	Pass
814	839	0.15	1.76	/	/	/	/	/

Band26c_15MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV

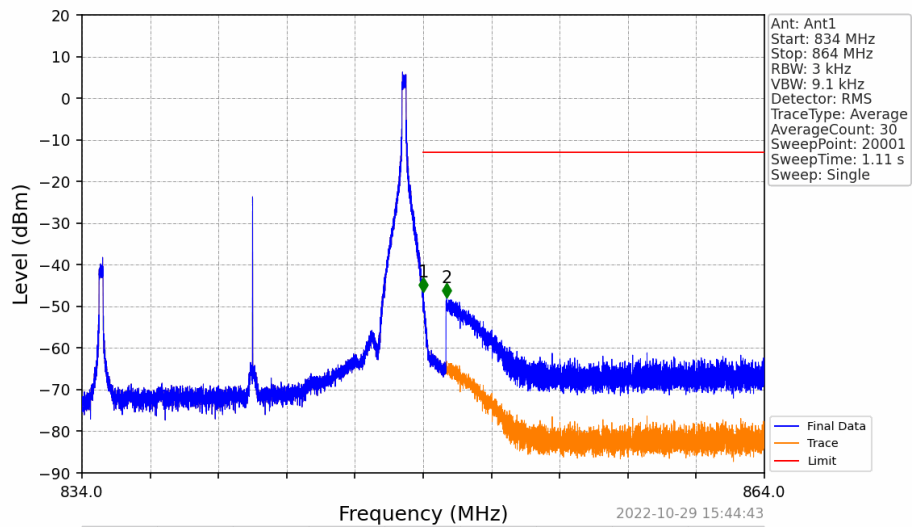




Band26c_15MHz_16QAM_HCH_841.5MHz_RB_1_0_NTNV



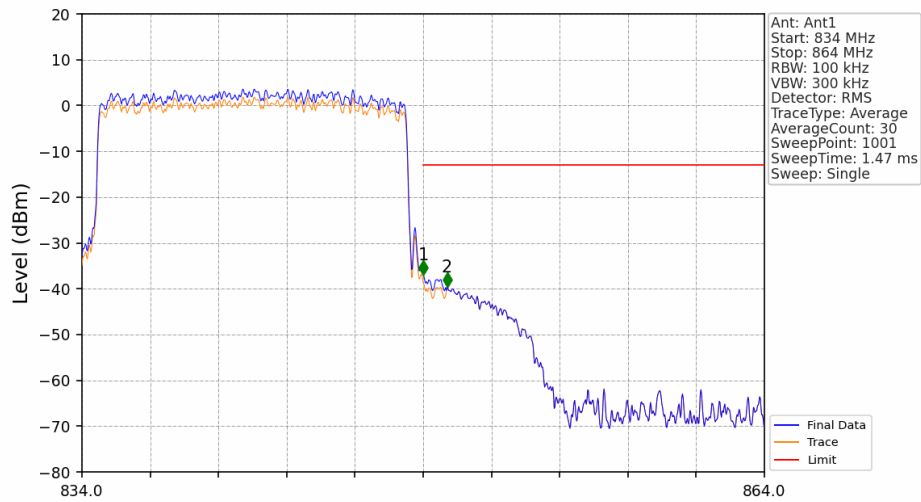
Band26c_15MHz_16QAM_HCH_841.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	0	/	/	/	/	/
849	850	0.003	0	1	849.003	-46.49	-13	Pass
850	864	0.1	15.23	2	850.037	-47.96	-13	Pass



Band26c_15MHz_16QAM_HCH_841.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.149	1.73	/	/	/	/	/
849	850	0.149	1.73	1	849.000	-36.92	-13	Pass
850	864	0.1	0	2	850.050	-39.56	-13	Pass