

1. Effective (Isotropic) Radiated Power Output Data

1.1 B26c_15MHz_ERP

1.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	821.5	1	0	21.99	0.54	20.38	<=38.45	Pass
			38	22.23	0.54	20.62	<=38.45	Pass
			74	22.11	0.54	20.50	<=38.45	Pass
		36	0	21.25	0.54	19.64	<=38.45	Pass
			18	21.29	0.54	19.68	<=38.45	Pass
			39	21.35	0.54	19.74	<=38.45	Pass
		75	0	21.26	0.54	19.65	<=38.45	Pass
	831.5	1	0	22.12	0.54	20.51	<=38.45	Pass
			38	22.36	0.54	20.75	<=38.45	Pass
			74	22.01	0.54	20.40	<=38.45	Pass
		36	0	21.25	0.54	19.64	<=38.45	Pass
			18	21.34	0.54	19.73	<=38.45	Pass
			39	21.21	0.54	19.60	<=38.45	Pass
		75	0	21.24	0.54	19.63	<=38.45	Pass
	841.5	1	0	22.07	0.54	20.46	<=38.45	Pass
			38	22.16	0.54	20.55	<=38.45	Pass
			74	21.94	0.54	20.33	<=38.45	Pass
		36	0	21.28	0.54	19.67	<=38.45	Pass
			18	21.24	0.54	19.63	<=38.45	Pass
			39	21.12	0.54	19.51	<=38.45	Pass
		75	0	21.19	0.54	19.58	<=38.45	Pass
16QAM	821.5	1	0	21.64	0.54	20.03	<=38.45	Pass
			38	21.90	0.54	20.29	<=38.45	Pass
			74	21.67	0.54	20.06	<=38.45	Pass
		36	0	20.23	0.54	18.62	<=38.45	Pass
			18	20.35	0.54	18.74	<=38.45	Pass
			39	20.36	0.54	18.75	<=38.45	Pass
		75	0	20.30	0.54	18.69	<=38.45	Pass
	831.5	1	0	21.36	0.54	19.75	<=38.45	Pass
			38	21.48	0.54	19.87	<=38.45	Pass
			74	21.23	0.54	19.62	<=38.45	Pass
		36	0	20.33	0.54	18.72	<=38.45	Pass
			18	20.39	0.54	18.78	<=38.45	Pass
			39	20.27	0.54	18.66	<=38.45	Pass
		75	0	20.27	0.54	18.66	<=38.45	Pass
	841.5	1	0	21.56	0.54	19.95	<=38.45	Pass
			38	21.53	0.54	19.92	<=38.45	Pass
			74	21.37	0.54	19.76	<=38.45	Pass
		36	0	20.26	0.54	18.65	<=38.45	Pass
			18	20.20	0.54	18.59	<=38.45	Pass
			39	20.15	0.54	18.54	<=38.45	Pass
		75	0	20.22	0.54	18.61	<=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	821.5	75	0	20	3.27	-3.633	-0.0044	-2.5 to 2.5	Pass
					3.85	-6.337	-0.0077	-2.5 to 2.5	Pass
					4.43	-5.865	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-5.107	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-6.137	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-4.878	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-3.576	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-5.651	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-2.761	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-5.879	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-3.662	-0.0045	-2.5 to 2.5	Pass
	831.5	75	0	20	3.27	-5.994	-0.0072	-2.5 to 2.5	Pass
					3.85	-6.251	-0.0075	-2.5 to 2.5	Pass
					4.43	-10.672	-0.0128	-2.5 to 2.5	Pass
				-30	3.85	-6.881	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-6.237	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-6.423	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-8.383	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-2.303	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-6.309	-0.0076	-2.5 to 2.5	Pass
				40	3.85	-3.376	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-4.749	-0.0057	-2.5 to 2.5	Pass
	841.5	75	0	20	3.27	-7.453	-0.0089	-2.5 to 2.5	Pass
					3.85	-4.621	-0.0055	-2.5 to 2.5	Pass
					4.43	-6.580	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-3.991	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-5.836	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-4.535	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-5.579	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-5.608	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-6.666	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-4.706	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-9.069	-0.0108	-2.5 to 2.5	Pass
16QAM	821.5	75	0	20	3.27	-7.110	-0.0087	-2.5 to 2.5	Pass
					3.85	-4.735	-0.0058	-2.5 to 2.5	Pass
					4.43	-7.610	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-3.805	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-8.998	-0.0110	-2.5 to 2.5	Pass
				-10	3.85	-3.948	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-5.250	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-4.392	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-3.448	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-2.332	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-3.119	-0.0038	-2.5 to 2.5	Pass
	831.5	75	0	20	3.27	-4.878	-0.0059	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0039	-2.5 to 2.5	Pass

					4.43	-6.795	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-4.864	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-10.328	-0.0124	-2.5 to 2.5	Pass
				-10	3.85	-8.612	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-4.792	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-7.596	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-7.138	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-9.298	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-5.879	-0.0071	-2.5 to 2.5	Pass
	841.5	75	0	20	3.27	-7.696	-0.0091	-2.5 to 2.5	Pass
					3.85	-4.234	-0.0050	-2.5 to 2.5	Pass
					4.43	-3.519	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-6.924	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-5.722	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-1.602	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.948	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-6.423	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-3.648	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-1.388	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-4.406	-0.0052	-2.5 to 2.5	Pass

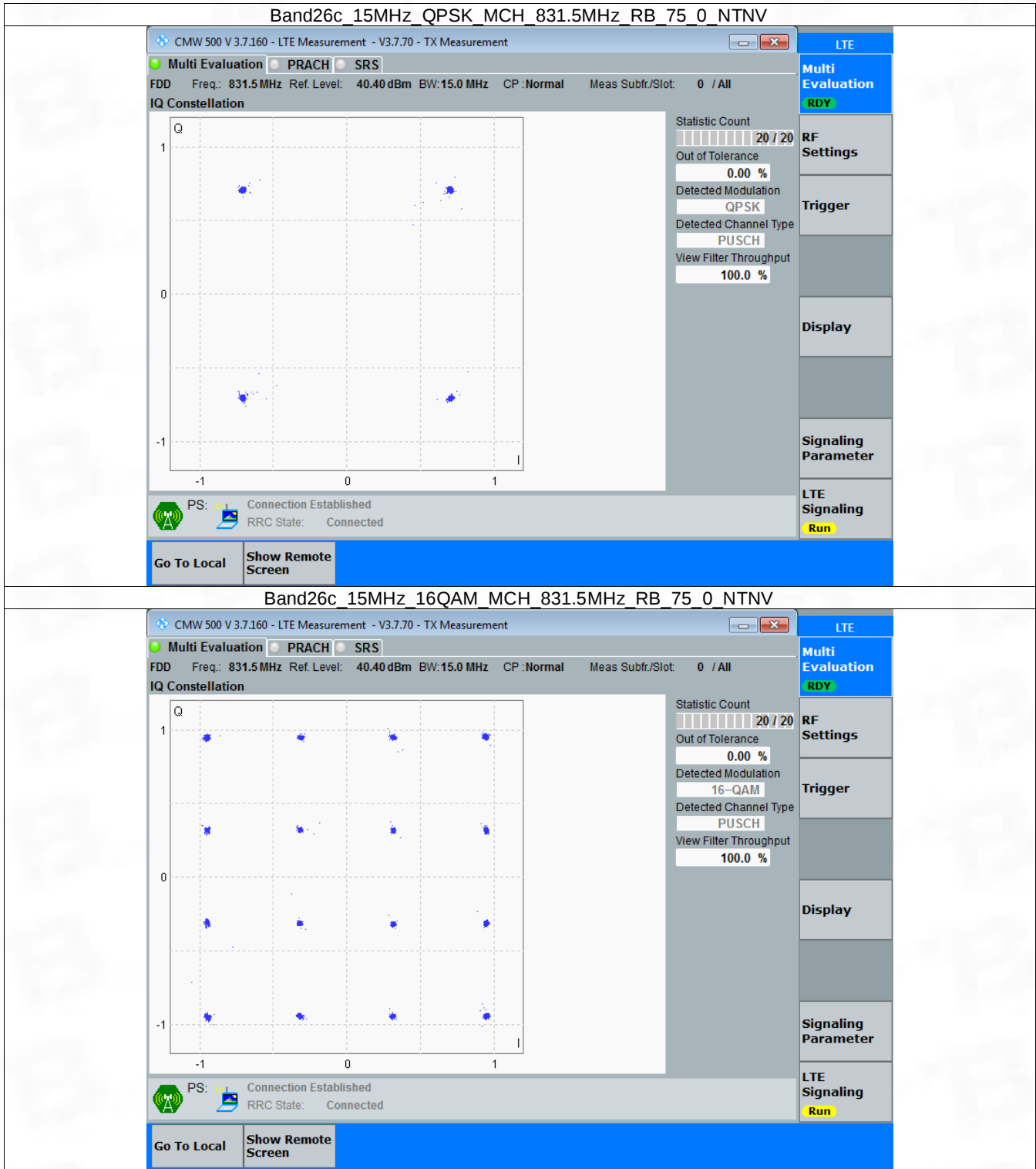
3. Modulation Characteristics

3.1 B26c_15MHz

3.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	831.5	75	0	Refer To Test Graph		Pass
16QAM	831.5	75	0	Refer To Test Graph		Pass

3.1.2 Test Graph



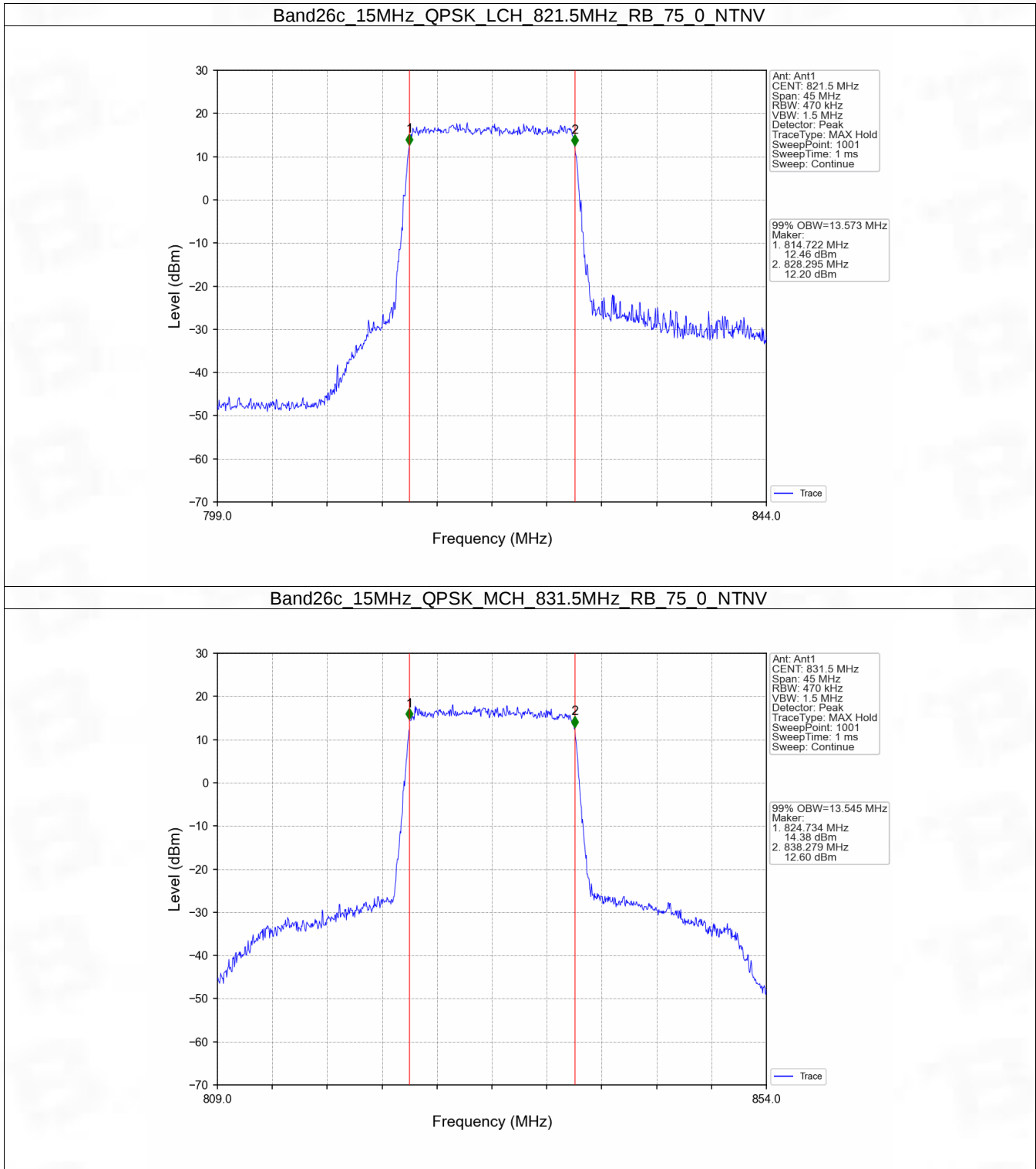
4. 99% & 26dB Bandwidth

4.1 Band26c_OBW

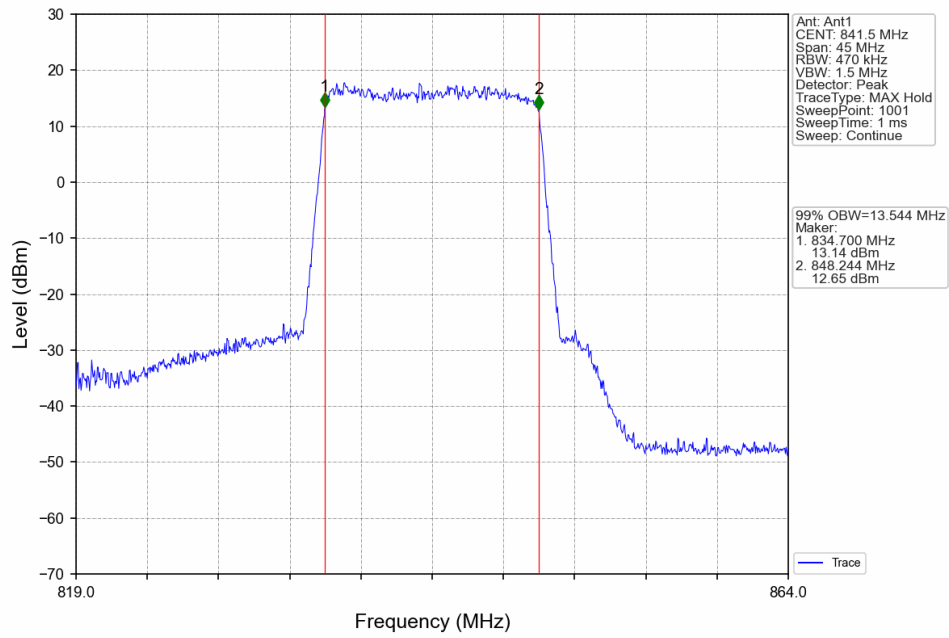
4.1.1 Test Result

Band: 26c / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
15	QPSK	821.5	75	0	13.573	Pass
		831.5	75	0	13.545	Pass
		841.5	75	0	13.544	Pass
	16QAM	821.5	75	0	13.560	Pass
		831.5	75	0	13.520	Pass
		841.5	75	0	13.568	Pass

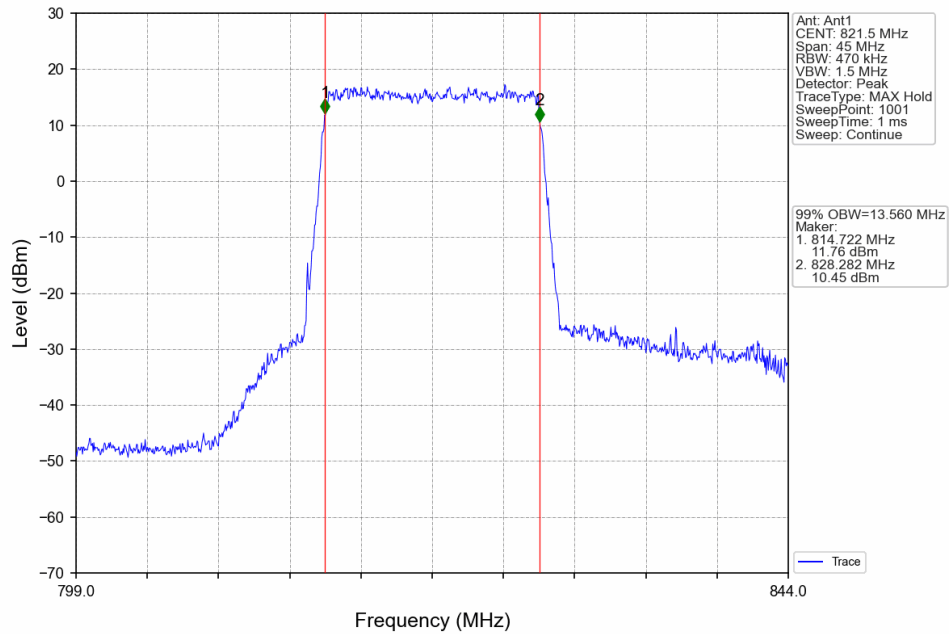
4.1.2 Test Graph



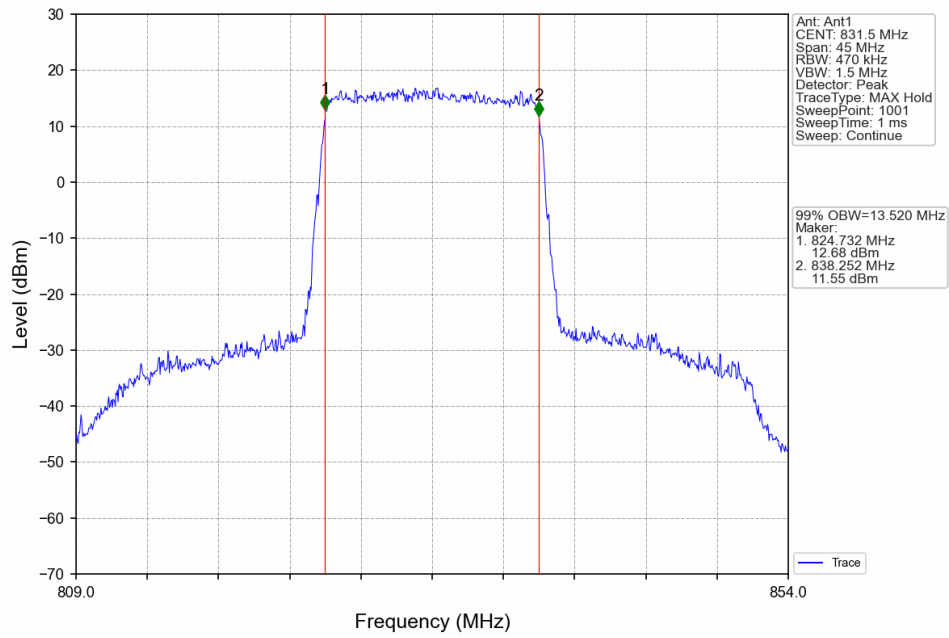
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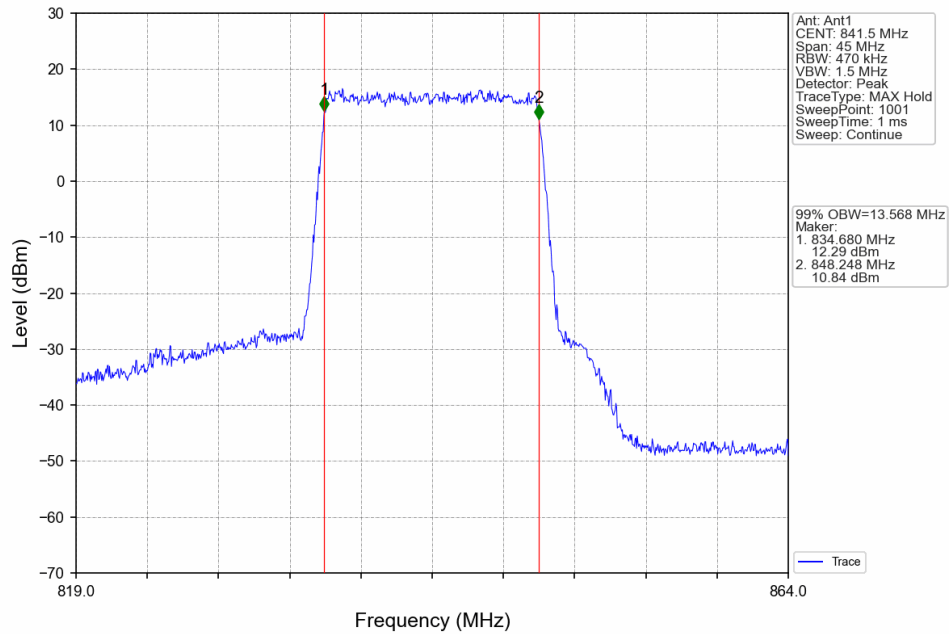
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Band26c_15MHz_16QAM_MCH_831.5MHz_RB_75_0_NTNV



Band26c_15MHz_16QAM_HCH_841.5MHz_RB_75_0_NTNV

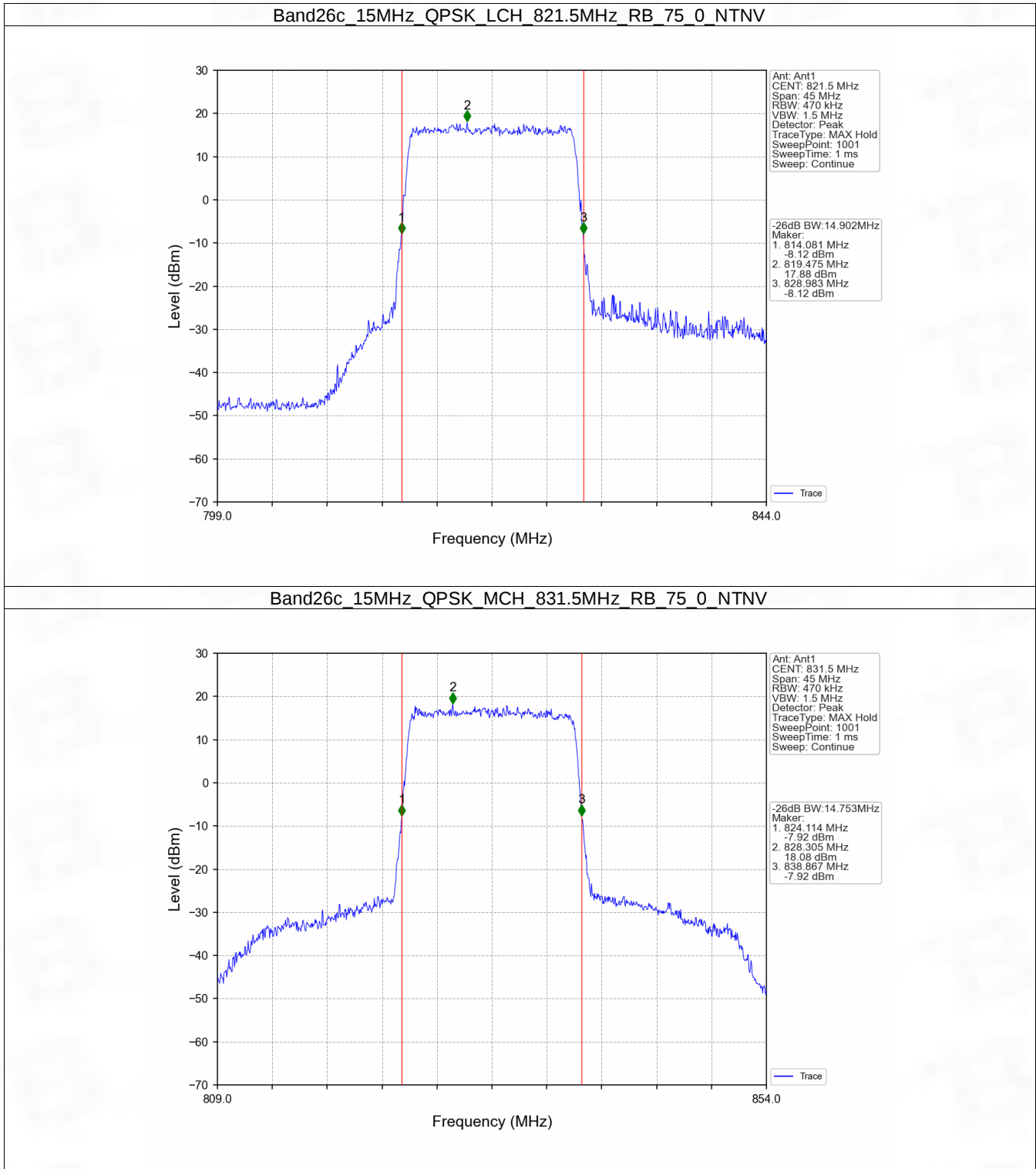


4.2 Band26c_XDB

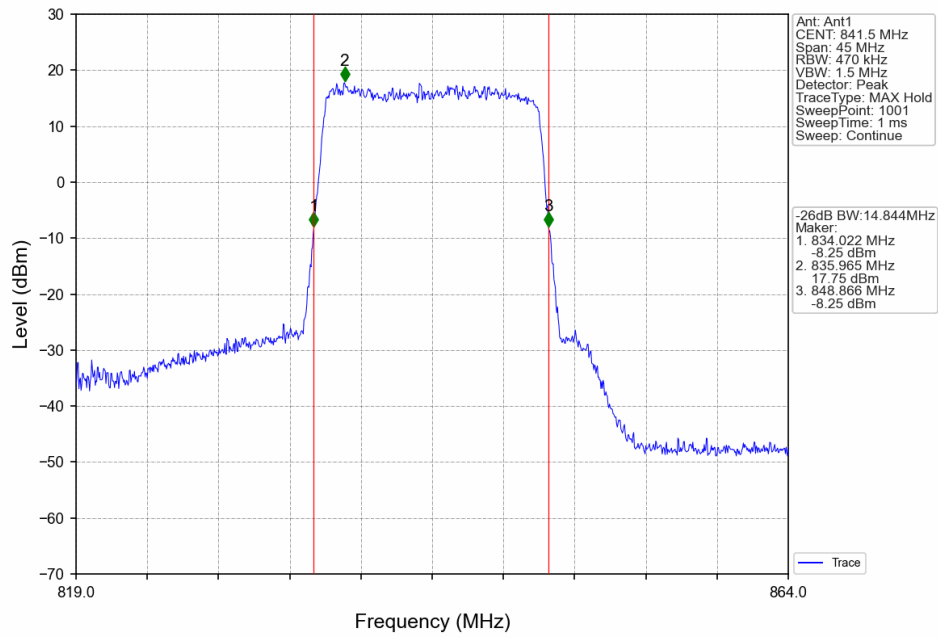
4.2.1 Test Result

Band: 26c / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
15	QPSK	821.5	75	0	14.902	Pass
		831.5	75	0	14.753	Pass
		841.5	75	0	14.844	Pass
	16QAM	821.5	75	0	14.891	Pass
		831.5	75	0	14.903	Pass
		841.5	75	0	14.844	Pass

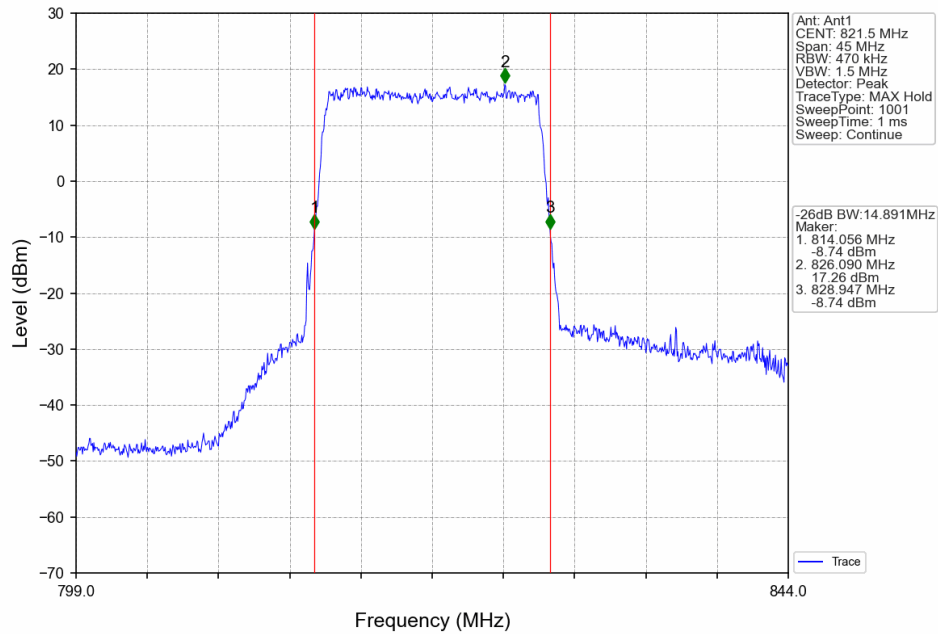
4.2.2 Test Graph



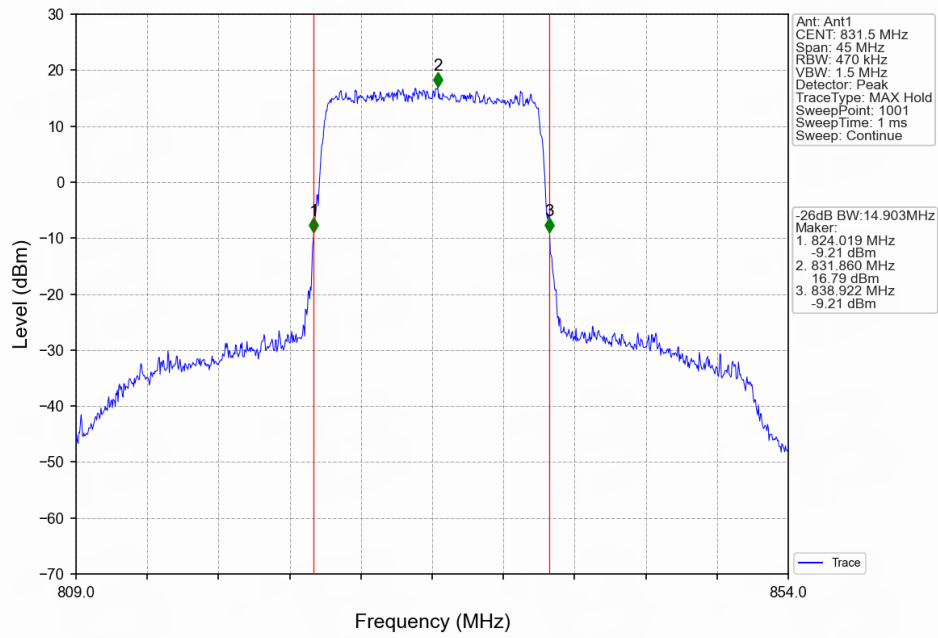
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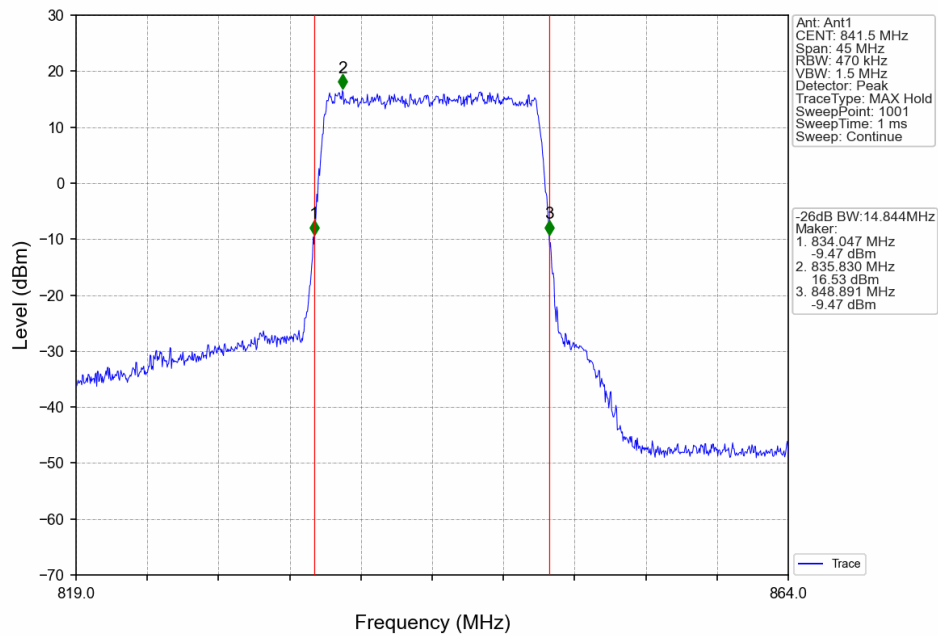
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_75_0_NTNV



Band26c_15MHz_16QAM_MCH_831.5MHz_RB_75_0_NTNV



Band26c_15MHz_16QAM_HCH_841.5MHz_RB_75_0_NTNV



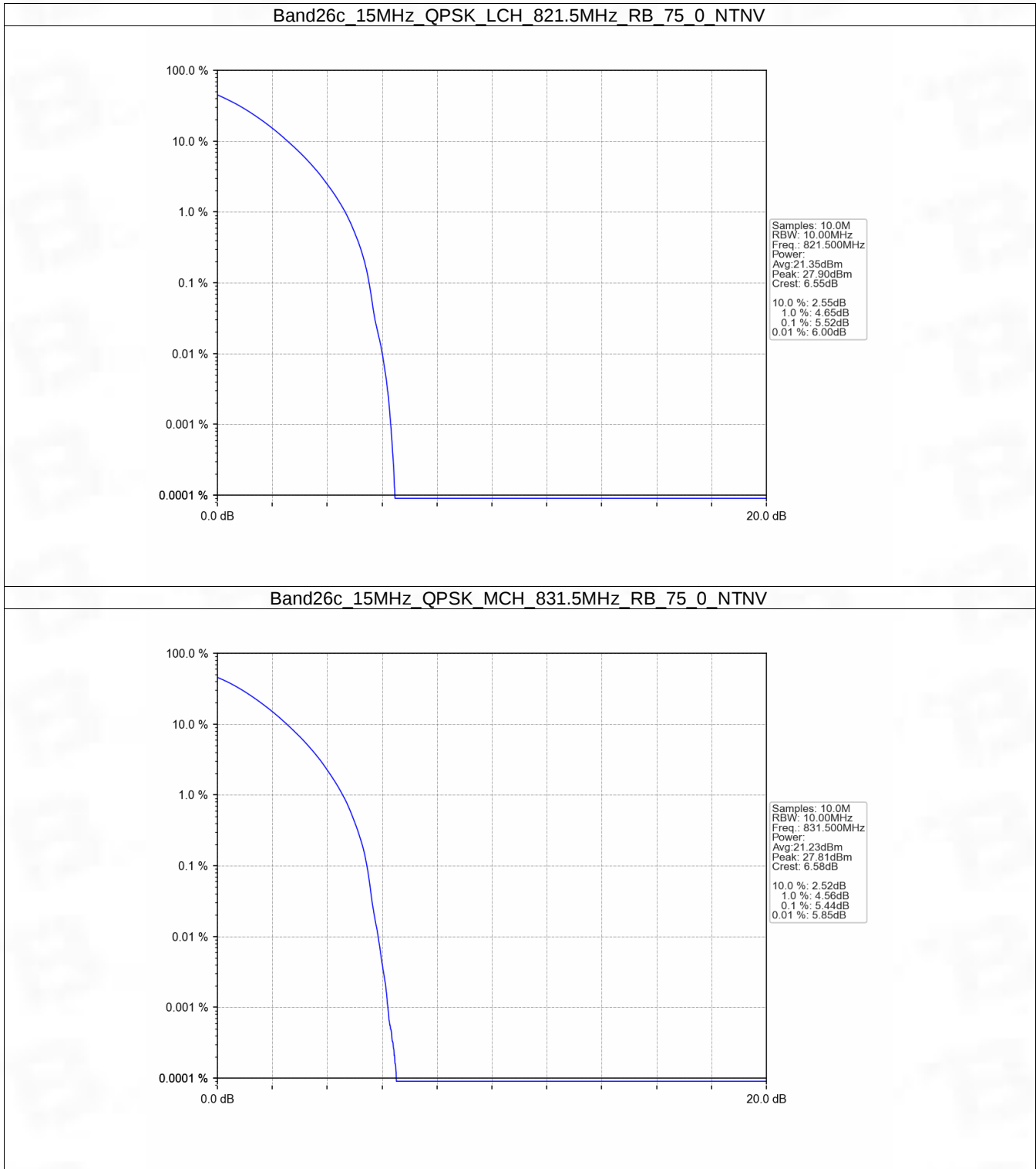
5. Peak-Average Ratio

5.1 B26c_15MHz

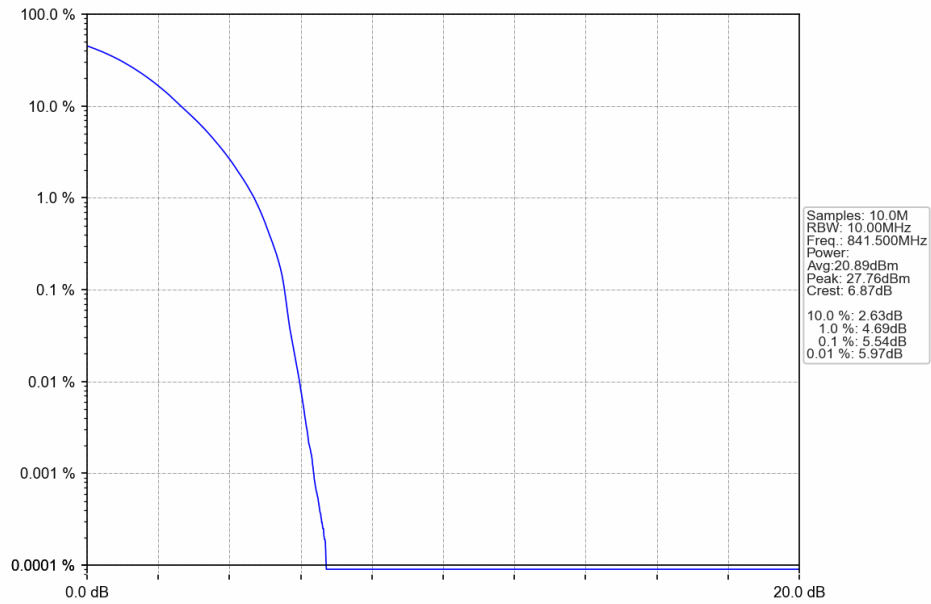
5.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	821.5	75	0	5.52	<=13	Pass
	831.5	75	0	5.44	<=13	Pass
	841.5	75	0	5.54	<=13	Pass
16QAM	821.5	75	0	6.27	<=13	Pass
	831.5	75	0	6.25	<=13	Pass
	841.5	75	0	6.33	<=13	Pass

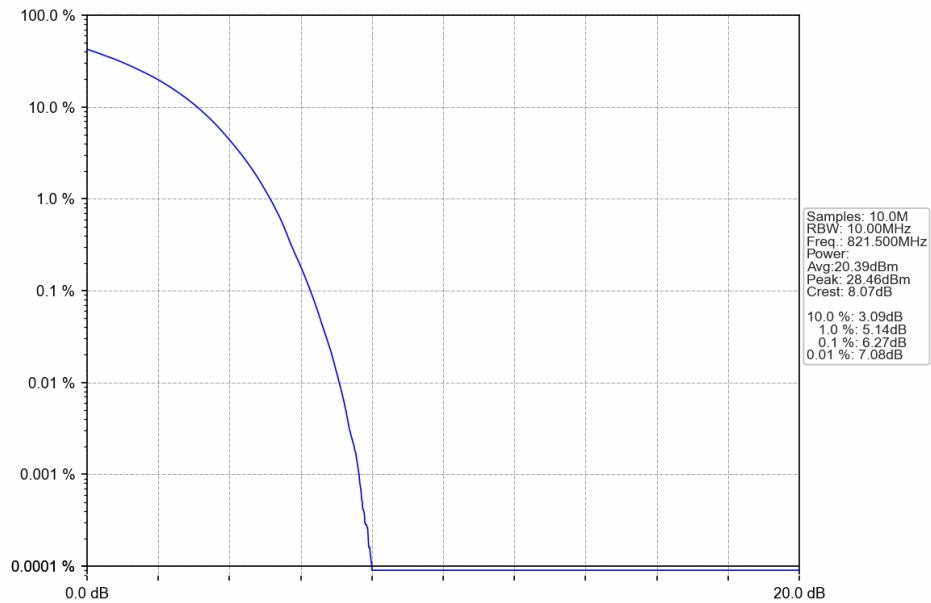
5.1.2 Test Graph



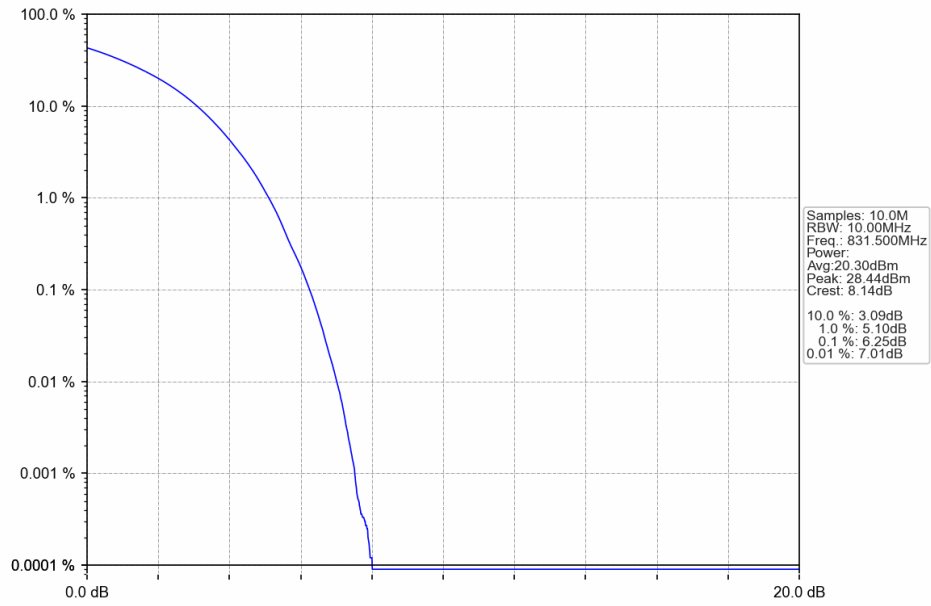
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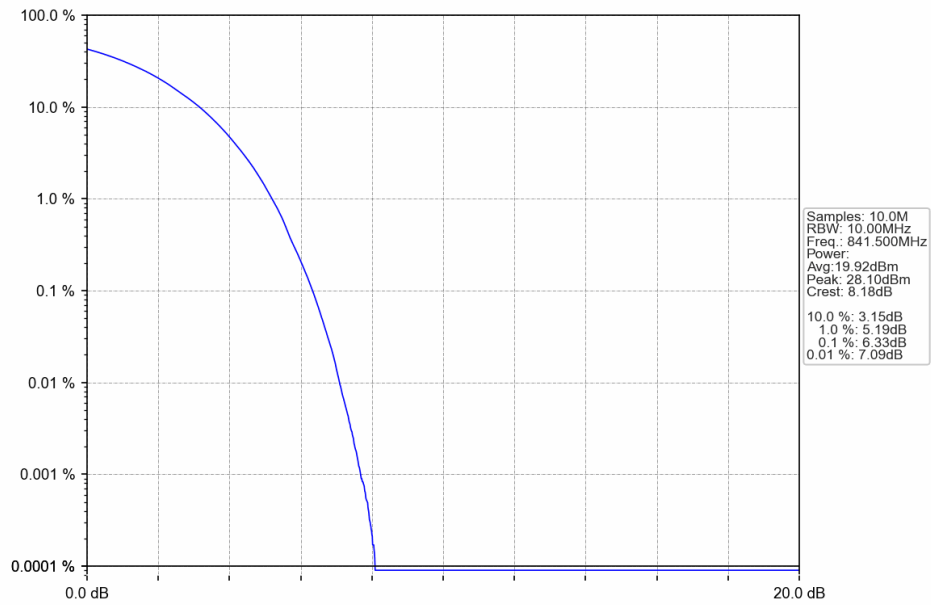
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_75_0_NTNV



Band26c_15MHz_16QAM_MCH_831.5MHz_RB_75_0_NTNV



Band26c_15MHz_16QAM_HCH_841.5MHz_RB_75_0_NTNV



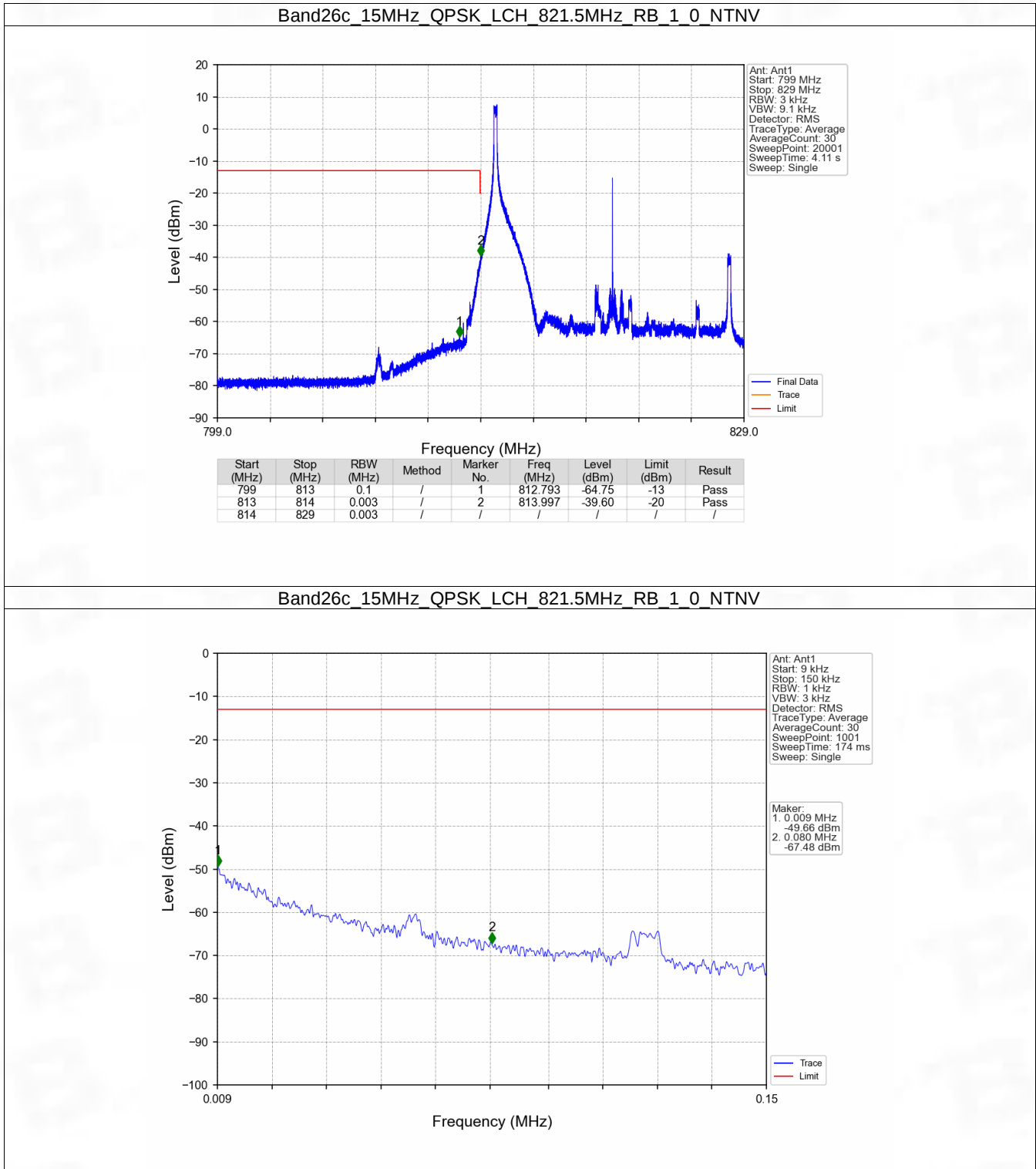
6. Spurious Emission

6.1 B26c_15MHz

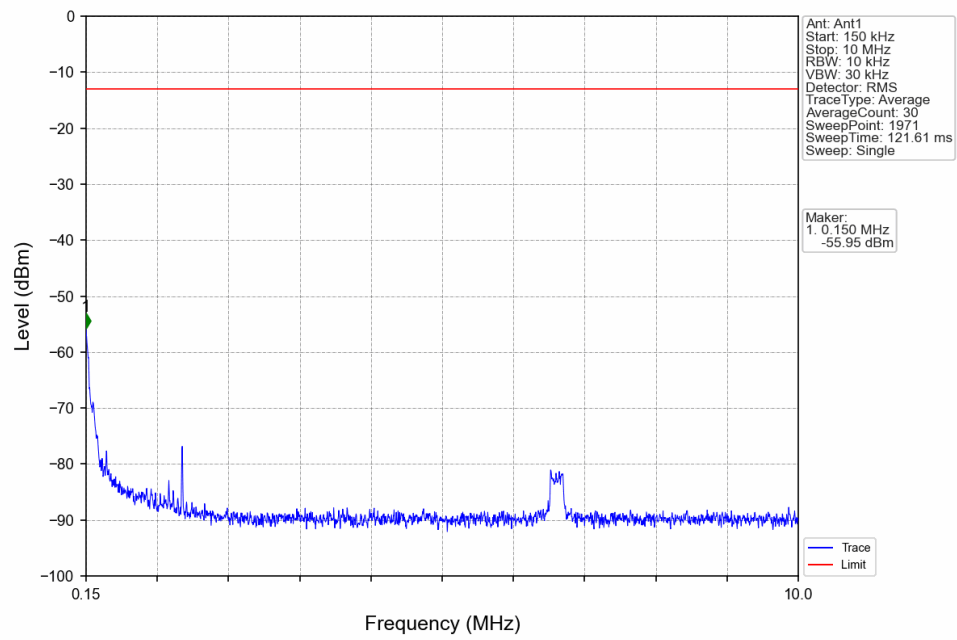
6.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	821.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	841.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
16QAM	821.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	841.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

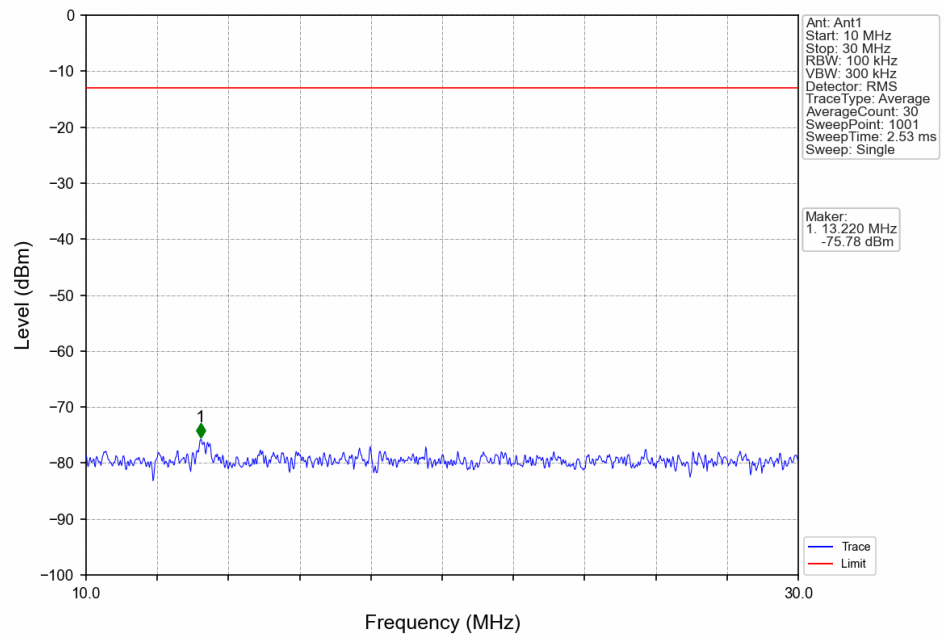
6.1.2 Test Graph



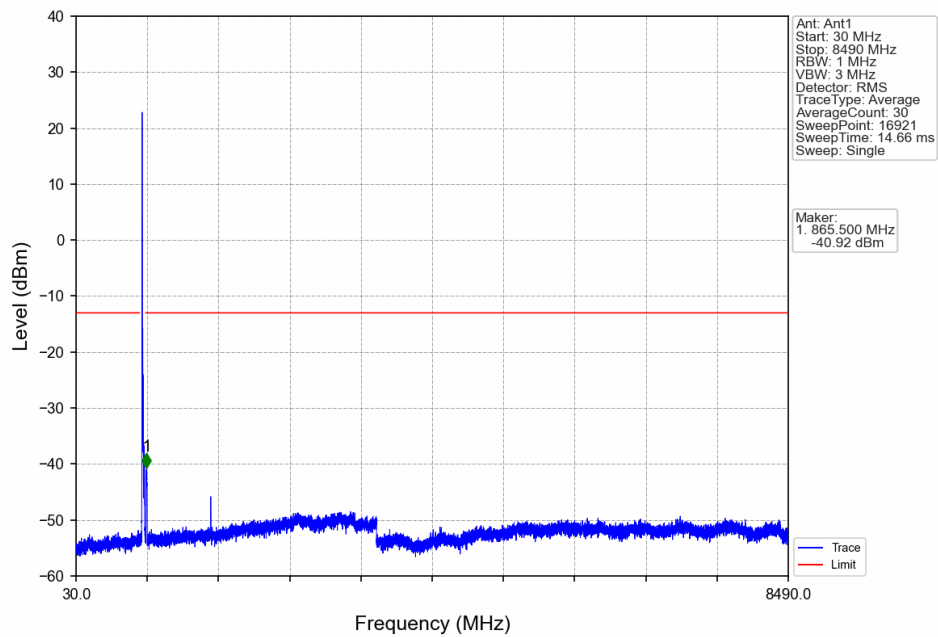
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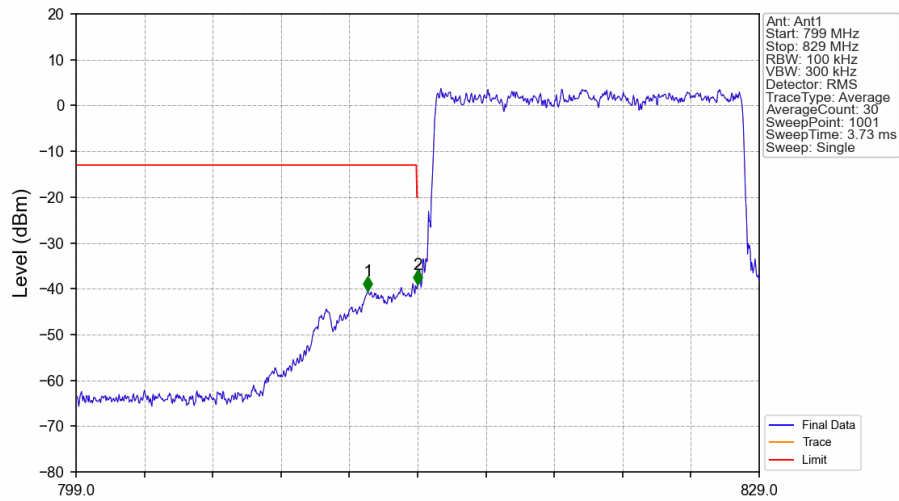
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Band26c_15MHz_QPSK_LCH_821.5MHz_RB_1_0_NTNV

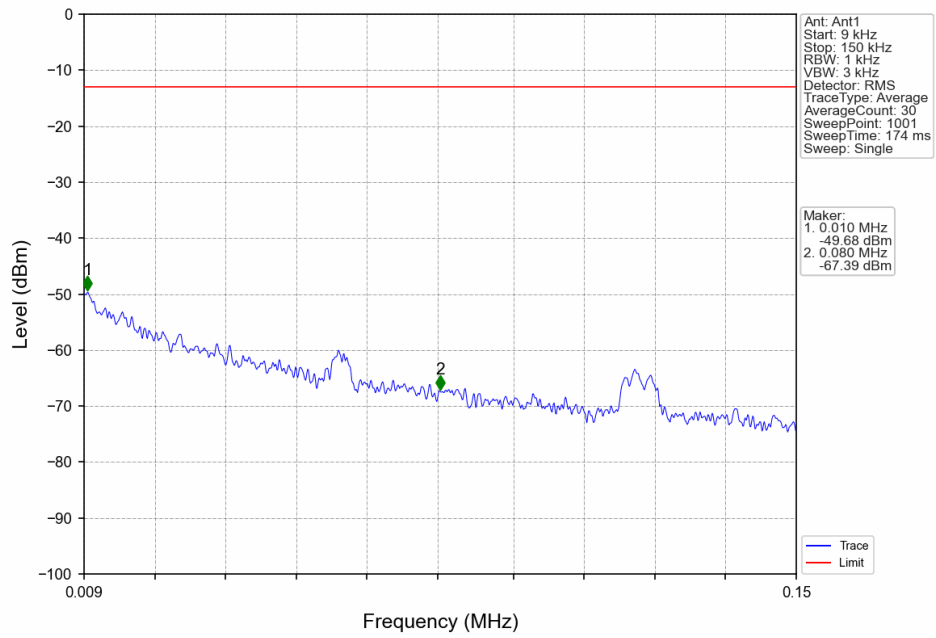


Band26c_15MHz_QPSK_LCH_821.5MHz_RB_75_0_NTNV

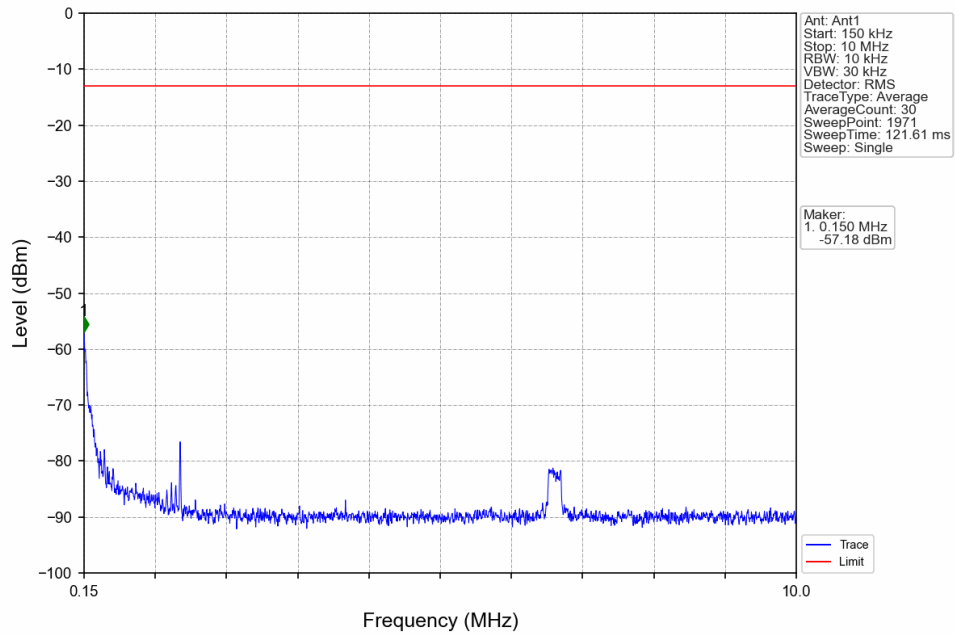


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
799	813	0.1	/	1	811.810	-40.57	-13	Pass
813	814	0.149	/	2	814.000	-39.11	-20	Pass
814	829	0.149	/	/	/	/	/	/

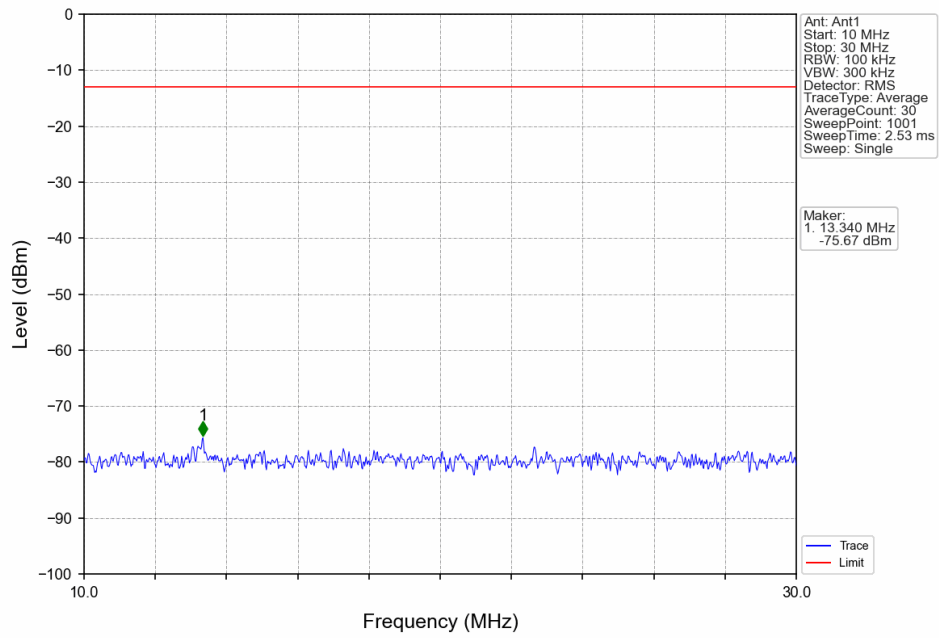
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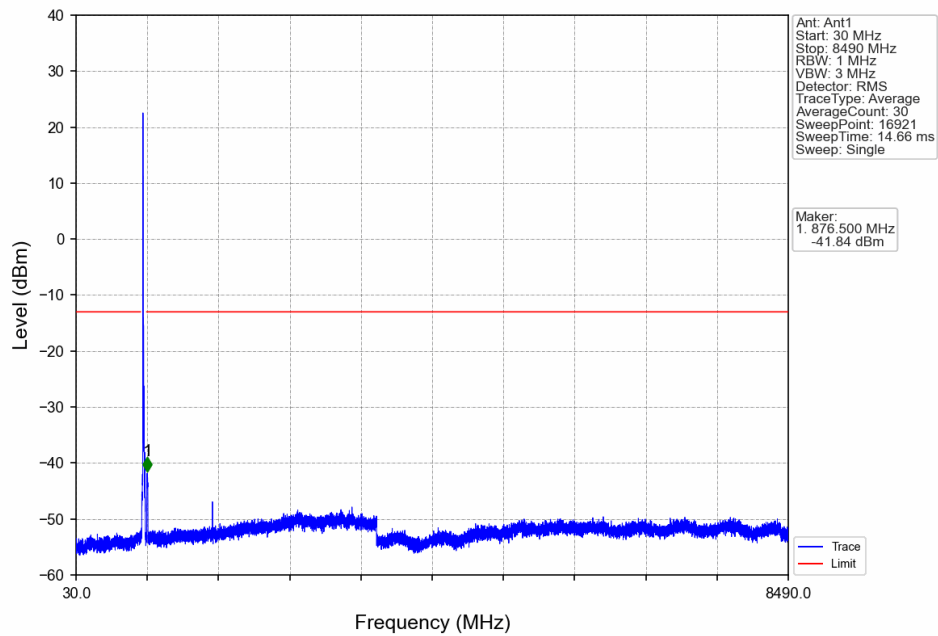
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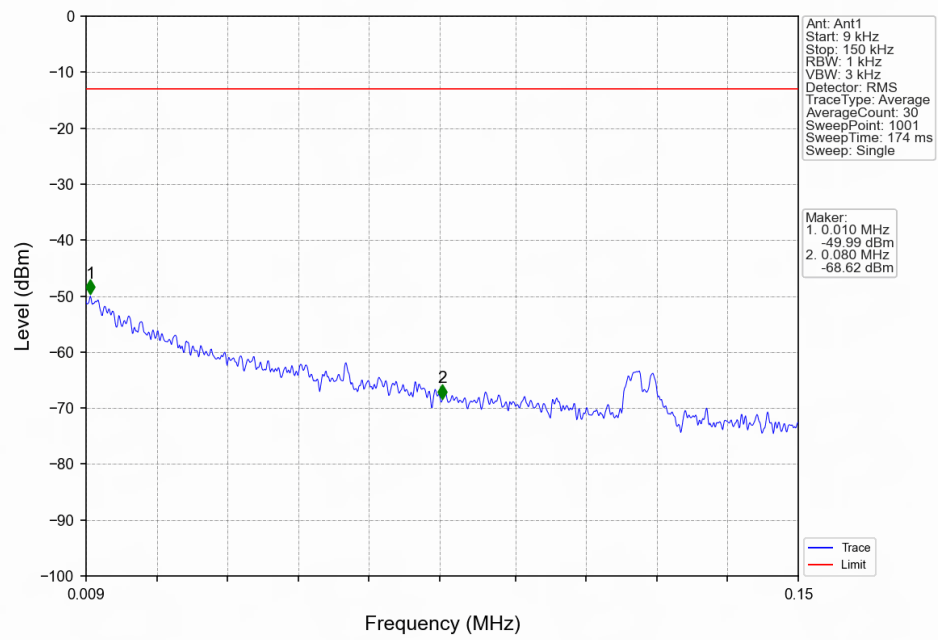
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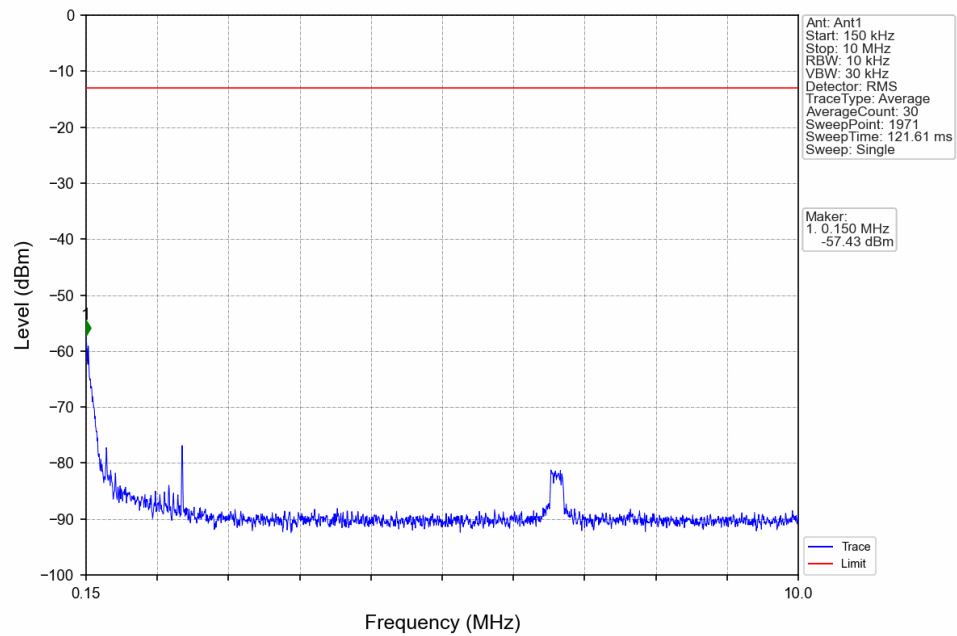
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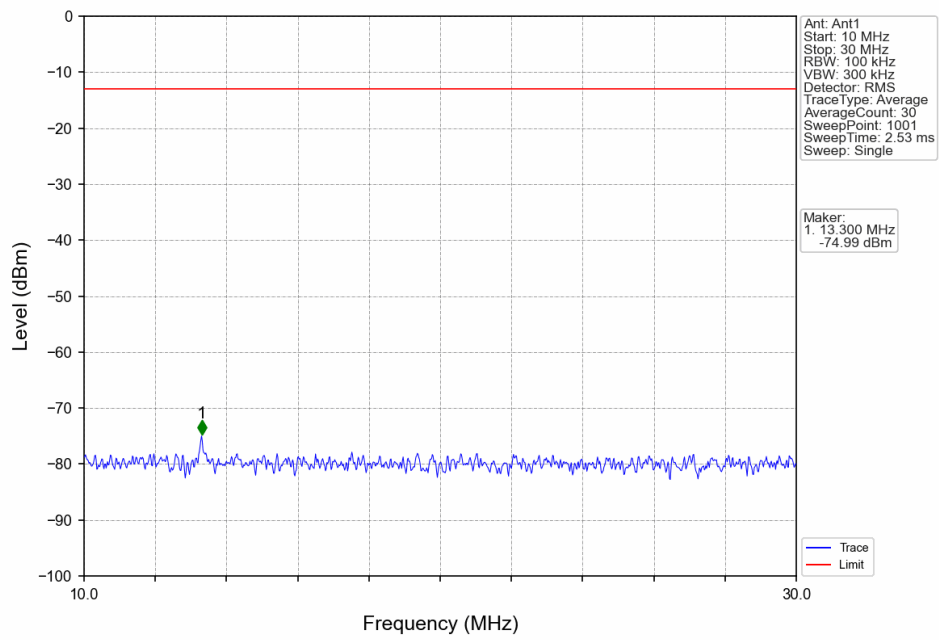
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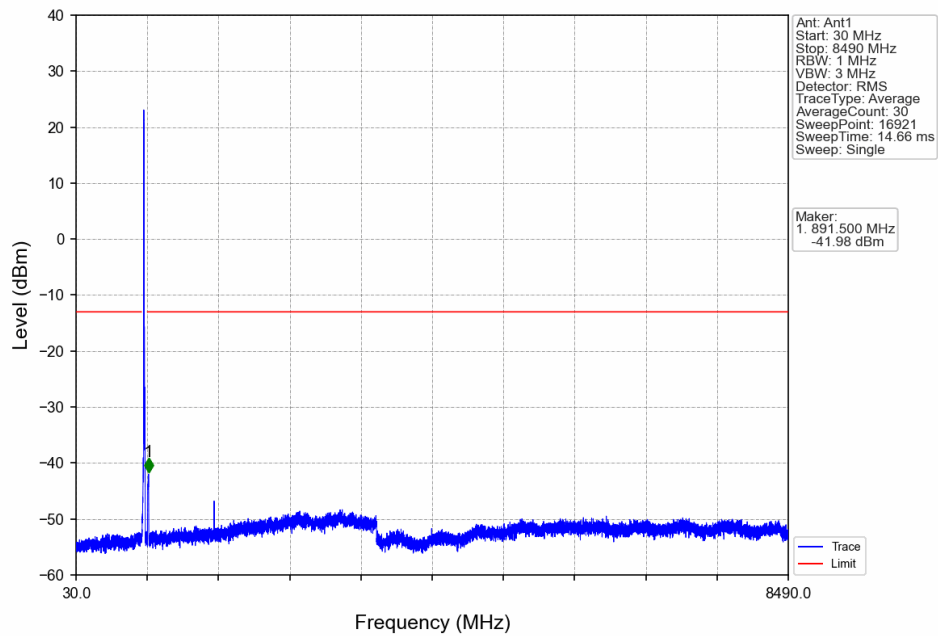
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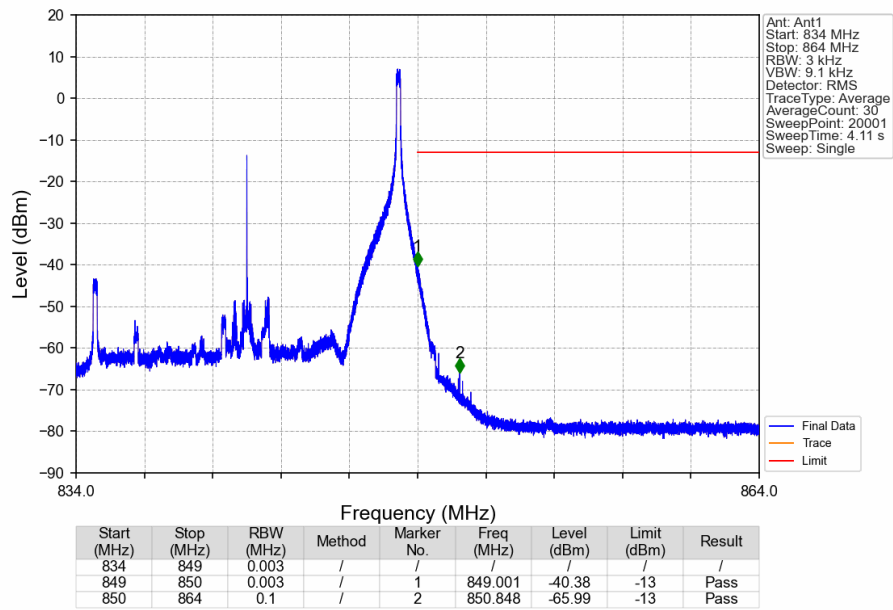
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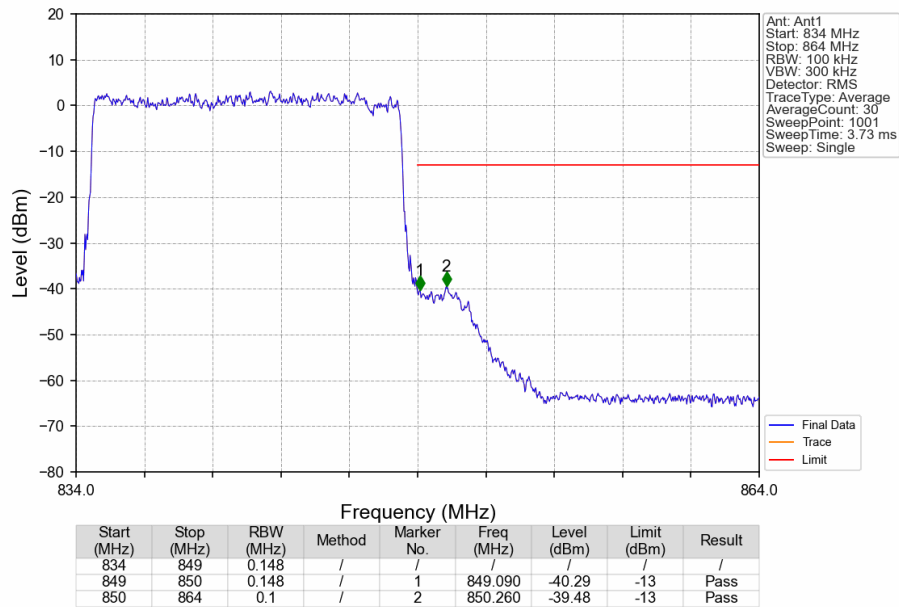
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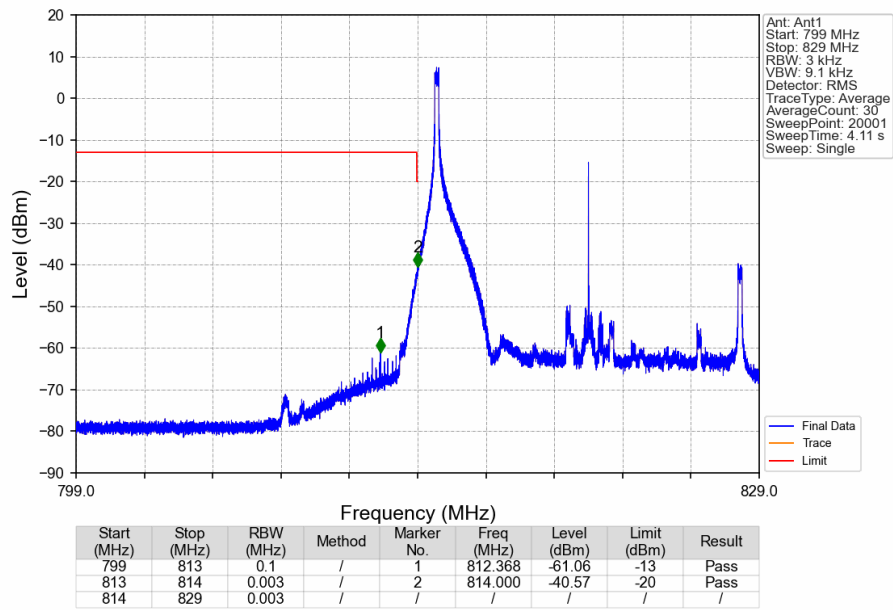
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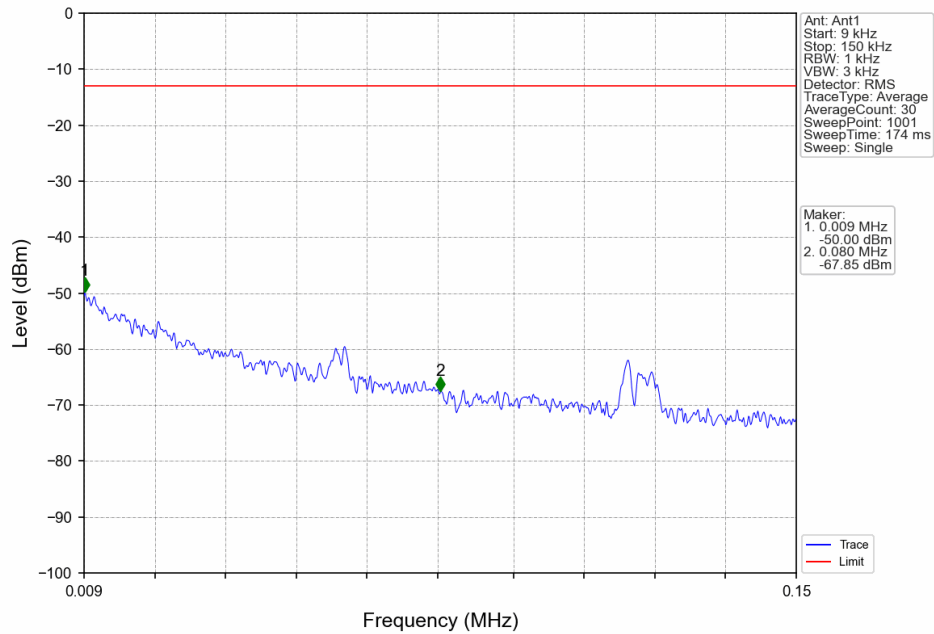
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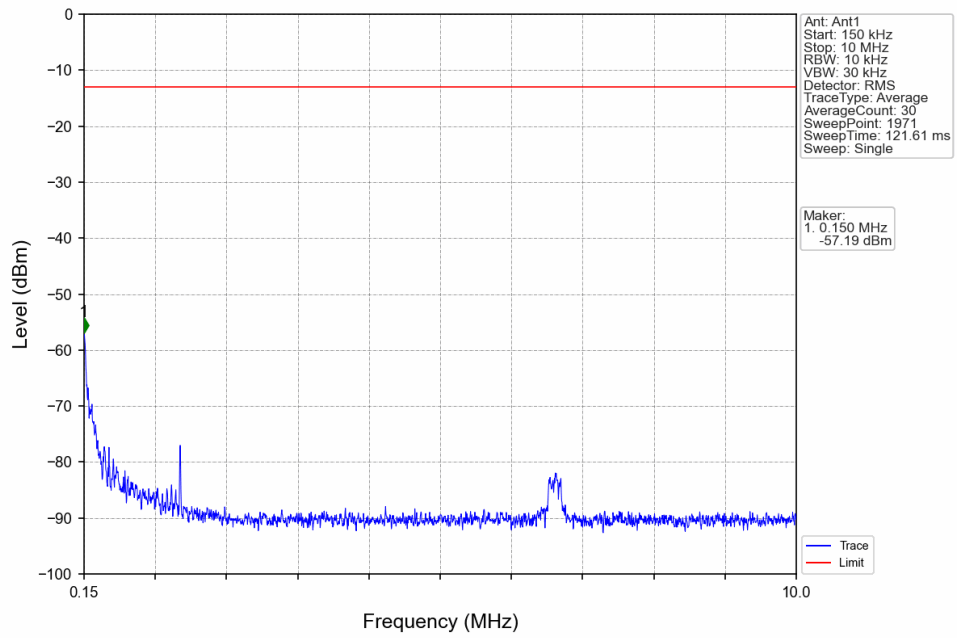
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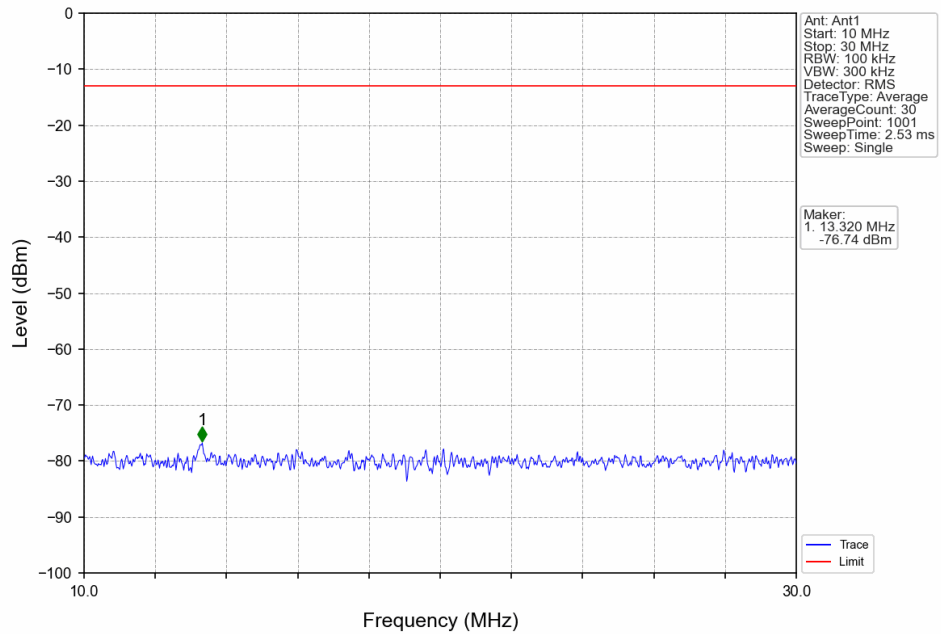
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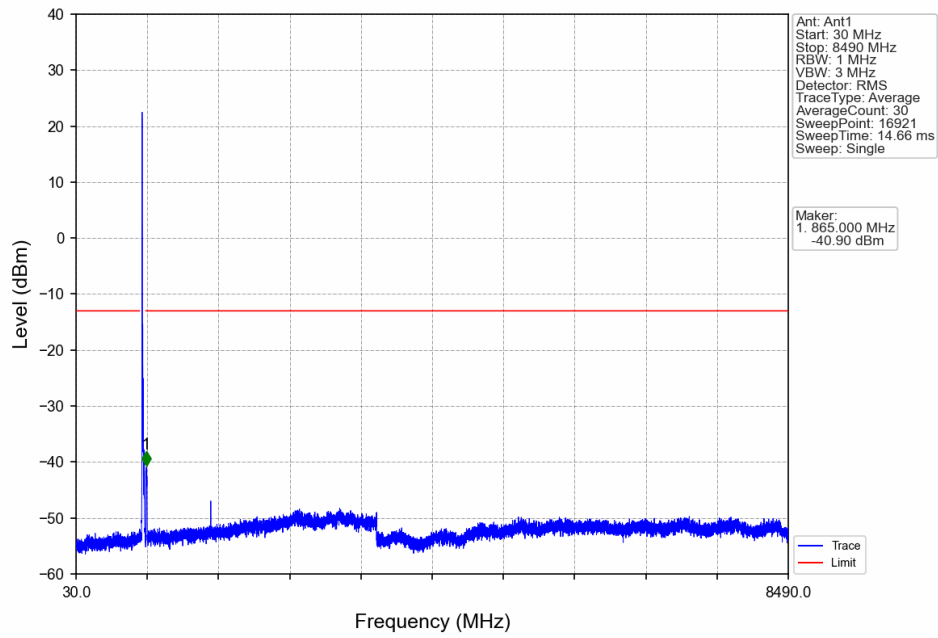
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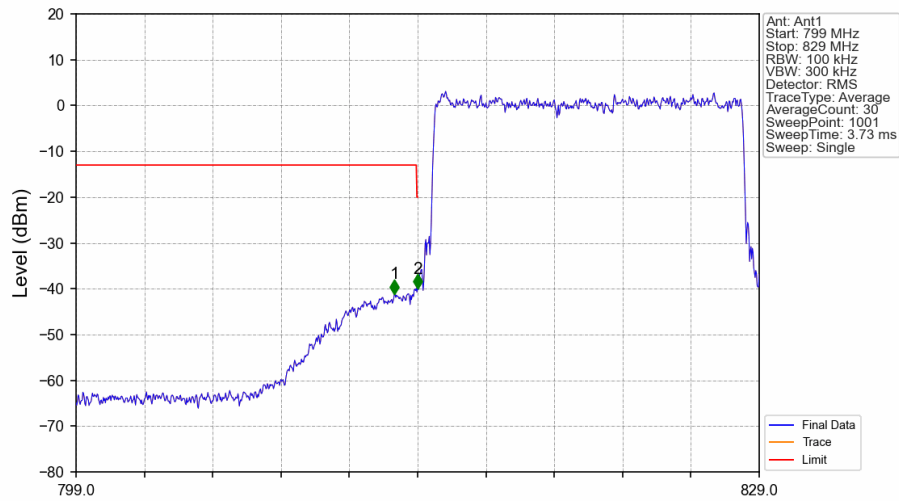
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Band26c_15MHz_16QAM_LCH_821.5MHz_RB_1_0_NTNV

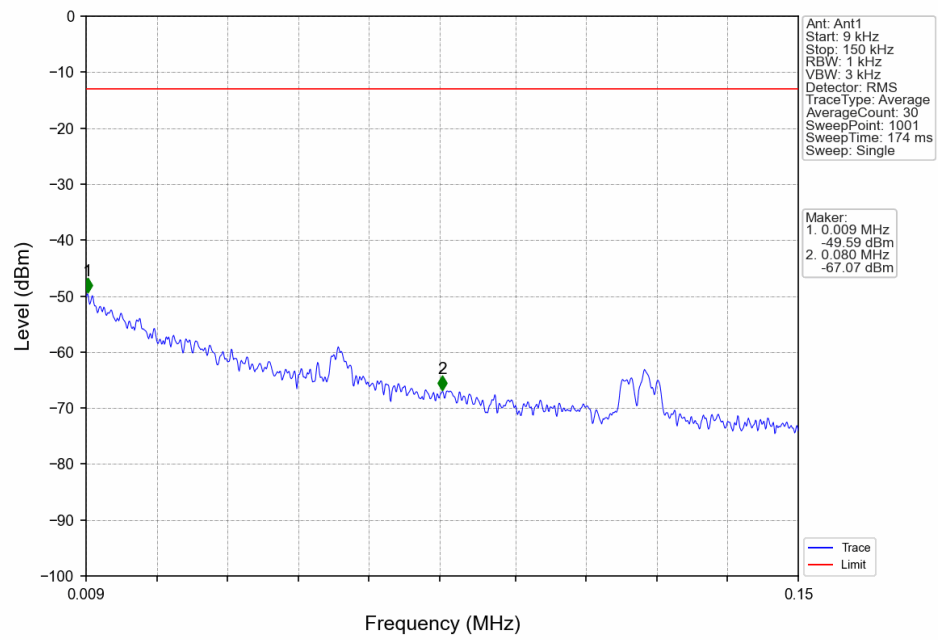


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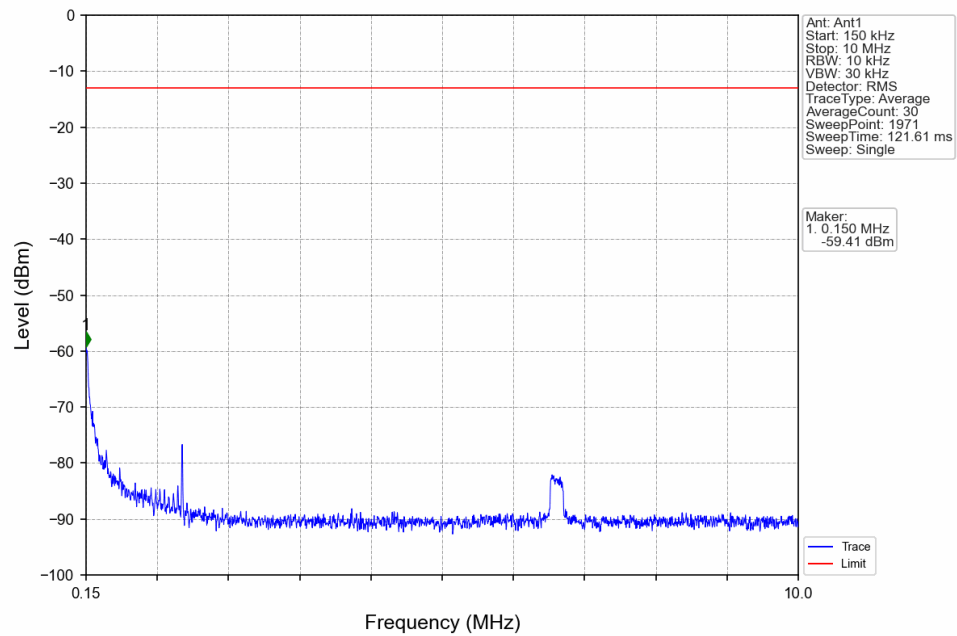


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
799	813	0.1	/	1	812.980	-41.13	-13	Pass
813	814	0.149	/	2	814.000	-39.91	-20	Pass
814	829	0.149	/	/	/	/	/	/

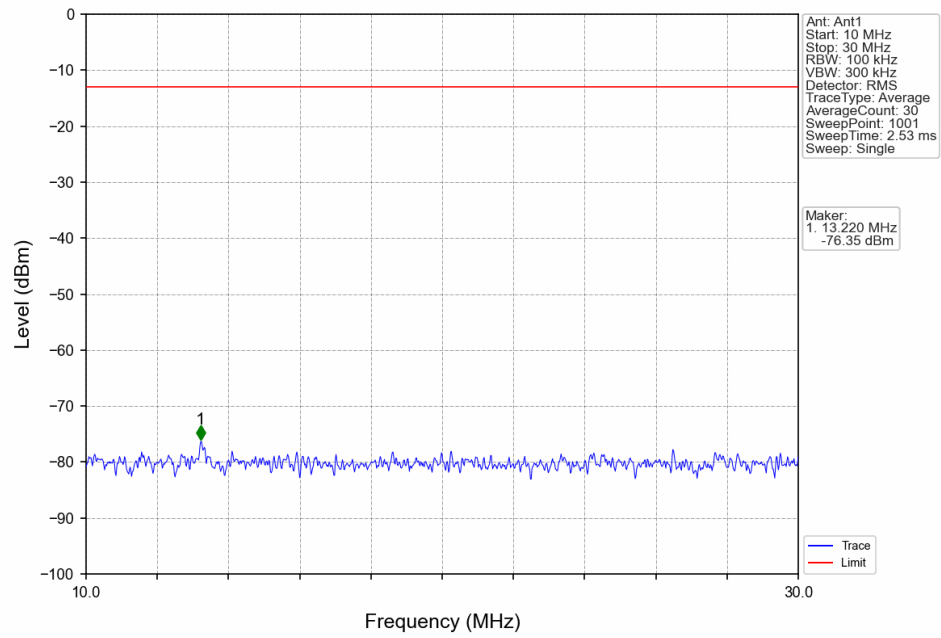
Band26c_15MHz_16QAM_MCH_831.5MHz_RB_1_0_NTNV



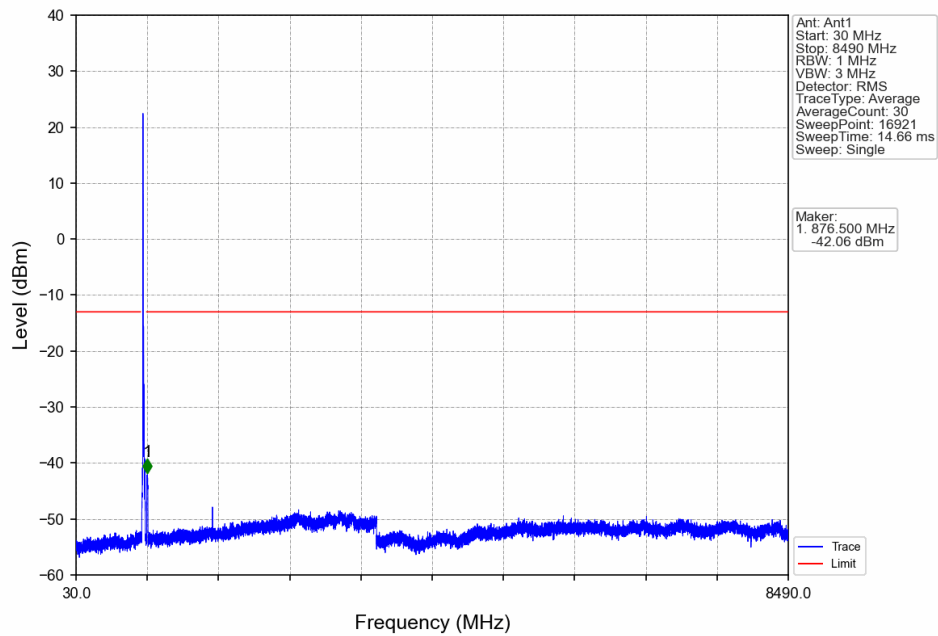
Band26c_15MHz_16QAM_MCH_831.5MHz_RB_1_0_NTNV



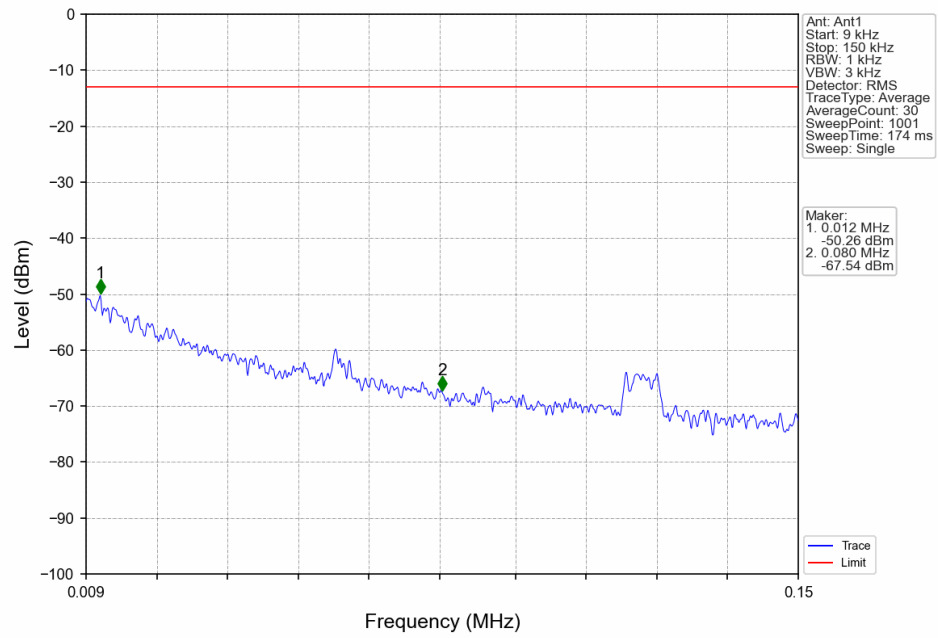
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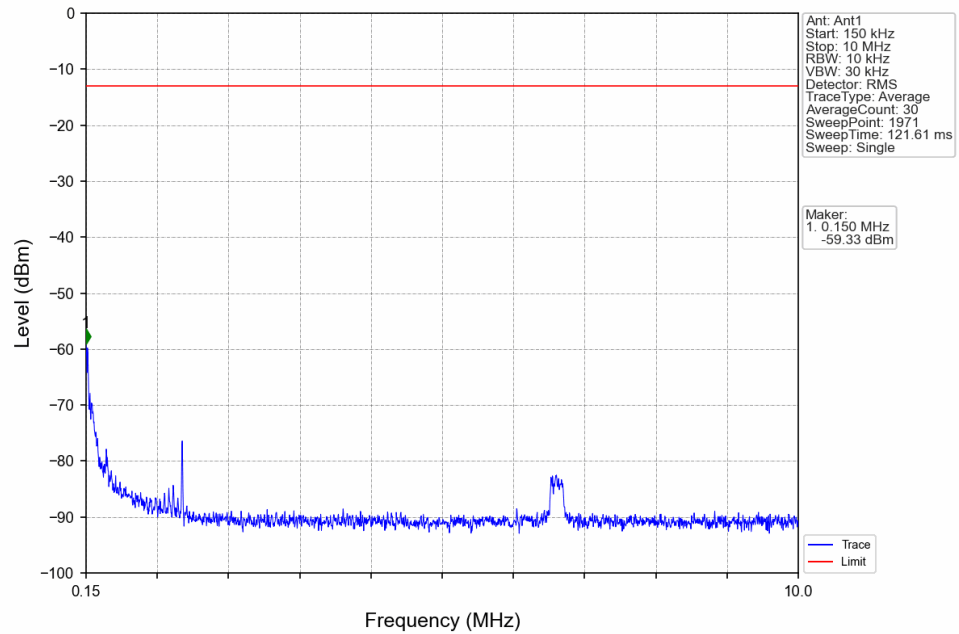
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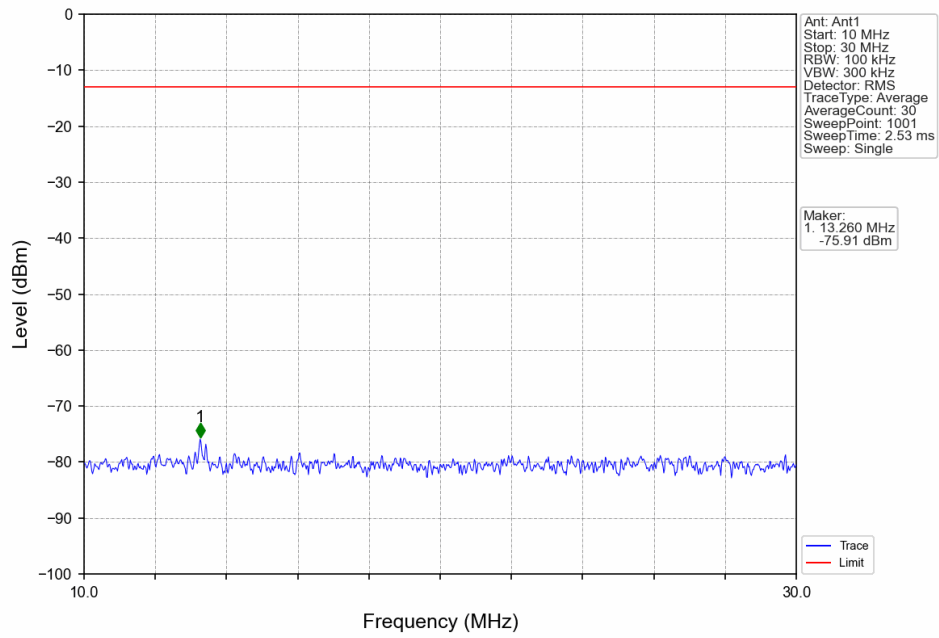
Band26c_15MHz_16QAM_HCH_841.5MHz_RB_1_0_NTNV



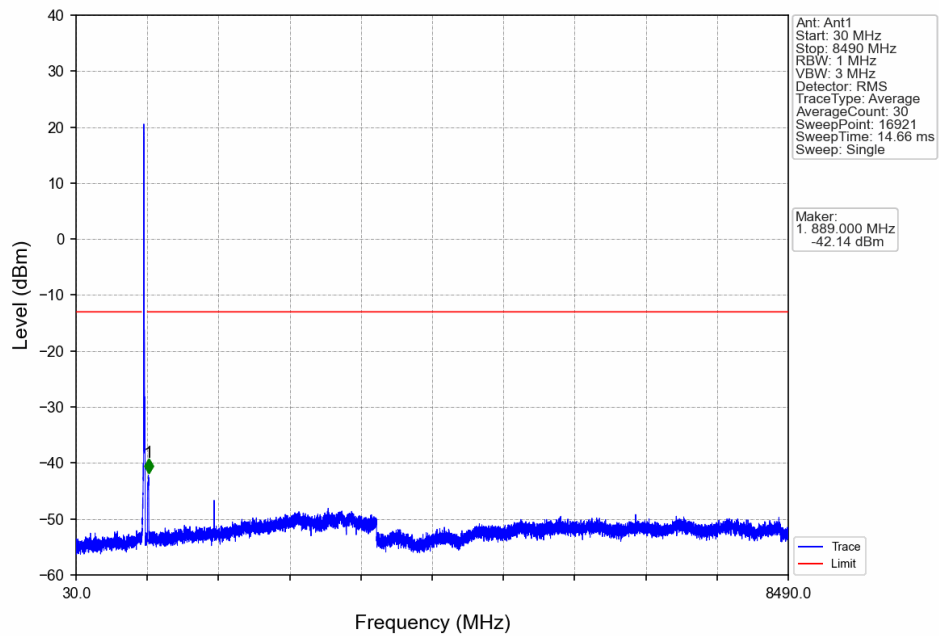
Band26c_15MHz_16QAM_HCH_841.5MHz_RB_1_0_NTNV



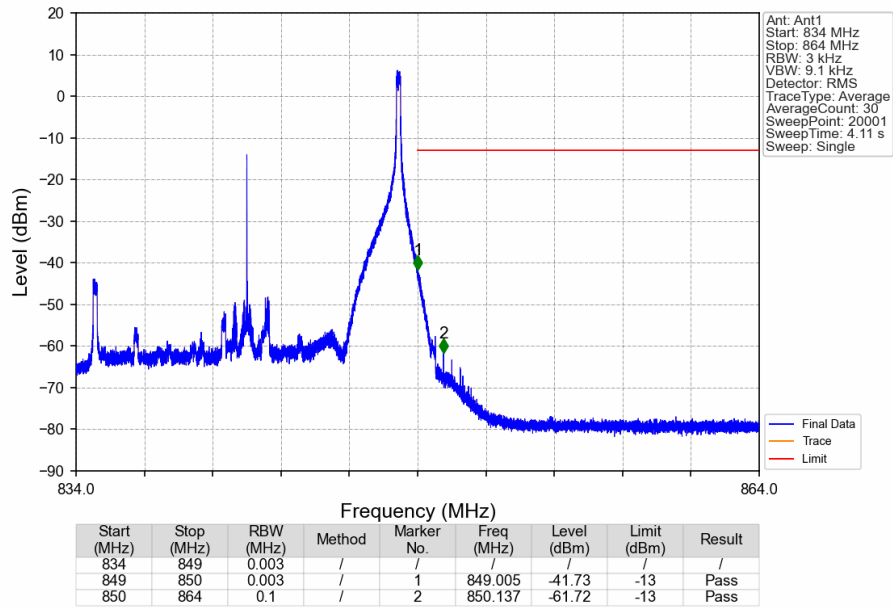
Band26c_15MHz_16QAM_HCH_841.5MHz_RB_1_0_NTNV



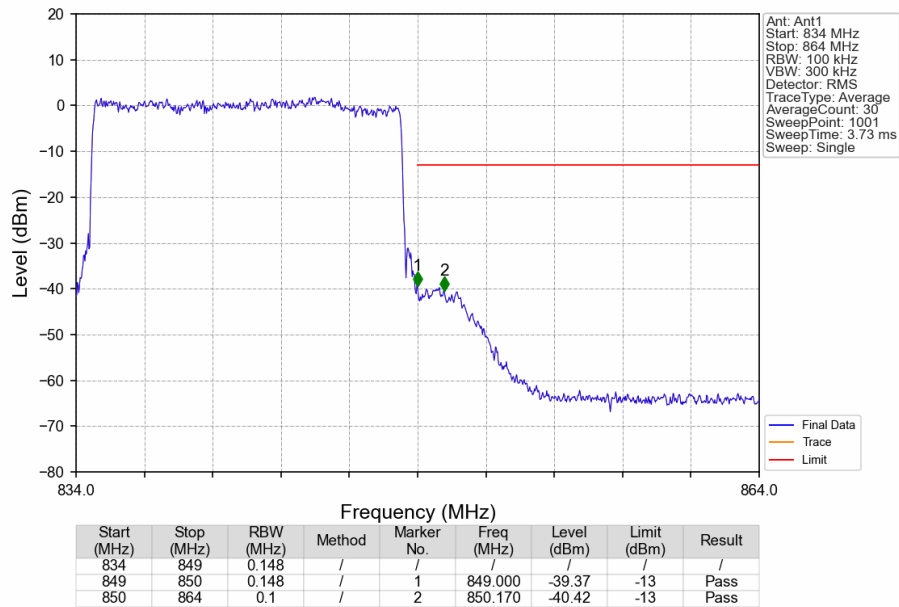
Band26c_15MHz_16QAM_HCH_841.5MHz_RB_1_0_NTNV



Band26c_15MHz_16QAM_HCH_841.5MHz_RB_1_74_NTNV



Band26c_15MHz_16QAM_HCH_841.5MHz_RB_75_0_NTNV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
26c	15	821.5	841.5	0.1722	0.0128	ppm	13M6G7D	/	22.36
26c	15	821.5	841.5	0.1549	0.0124	ppm	13M6W7D	/	21.90

7.2 Form731_ERP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
26c	15	821.5	841.5	0.1189	0.0128	ppm	13M6G7D	/	20.75
26c	15	821.5	841.5	0.1069	0.0124	ppm	13M6W7D	/	20.29