

Appendix U for KSCR2205000668AT-FCC-LTE-Band26c

1. Effective (Isotropic) Radiated Power Output Data

1.1 B26c_15MHz_ERP

1.1.1 Test Result

Modulation	Frequency (MHz)	Band: 26c / Bandwidth: 15MHz / NTV				Verdict
		RB Allocation	Conducted Power (dBm)	Gain (dbi)	ERP (dBm)	
		Size	Offset	Result	Limit	
QPSK	821.5	1	0	23.37	-2.02	19.20 <=38.45 Pass
			38	23.45	-2.02	19.28 <=38.45 Pass
			74	23.50	-2.02	19.33 <=38.45 Pass
		36	0	22.48	-2.02	18.31 <=38.45 Pass
			18	22.55	-2.02	18.38 <=38.45 Pass
	831.5	36	39	22.52	-2.02	18.35 <=38.45 Pass
			75	0	22.52	18.35 <=38.45 Pass
		1	0	23.37	-2.02	19.20 <=38.45 Pass
			38	23.59	-2.02	19.42 <=38.45 Pass
			74	23.40	-2.02	19.23 <=38.45 Pass
	841.5	36	0	22.61	-2.02	18.44 <=38.45 Pass
			18	22.62	-2.02	18.45 <=38.45 Pass
			39	22.70	-2.02	18.53 <=38.45 Pass
		1	75	0	22.68	-2.02 18.51 <=38.45 Pass
			38	23.50	-2.02	19.33 <=38.45 Pass
16QAM	821.5	1	38	23.49	-2.02	19.32 <=38.45 Pass
			74	23.34	-2.02	19.17 <=38.45 Pass
		36	0	22.64	-2.02	18.47 <=38.45 Pass
			18	22.66	-2.02	18.49 <=38.45 Pass
			39	22.52	-2.02	18.35 <=38.45 Pass
	831.5	75	0	22.62	-2.02	18.45 <=38.45 Pass
			38	22.28	-2.02	18.11 <=38.45 Pass
			74	22.42	-2.02	18.25 <=38.45 Pass
		36	0	22.40	-2.02	18.23 <=38.45 Pass
			18	21.39	-2.02	17.22 <=38.45 Pass
	841.5	36	39	21.51	-2.02	17.34 <=38.45 Pass
			75	0	21.42	-2.02 17.25 <=38.45 Pass
			0	21.47	-2.02	17.30 <=38.45 Pass
		1	0	22.74	-2.02	18.57 <=38.45 Pass
			38	22.92	-2.02	18.75 <=38.45 Pass
			74	22.76	-2.02	18.59 <=38.45 Pass
	841.5	36	0	21.68	-2.02	17.51 <=38.45 Pass
			18	21.72	-2.02	17.55 <=38.45 Pass
			39	21.75	-2.02	17.58 <=38.45 Pass
		1	75	0	21.71	-2.02 17.54 <=38.45 Pass
			38	22.71	-2.02	18.54 <=38.45 Pass
			74	22.74	-2.02	18.57 <=38.45 Pass
		36	0	22.55	-2.02	18.38 <=38.45 Pass
			18	21.62	-2.02	17.45 <=38.45 Pass
			39	21.65	-2.02	17.48 <=38.45 Pass
			0	21.52	-2.02	17.35 <=38.45 Pass

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		75	0	21.54	-2.02	17.37	<=38.45	Pass
64QAM	821.5	1	0	21.65	-2.02	17.48	<=38.45	Pass
			38	21.81	-2.02	17.64	<=38.45	Pass
		74	21.79	-2.02	17.62	<=38.45	Pass	
		36	0	20.42	-2.02	16.25	<=38.45	Pass
			18	20.50	-2.02	16.33	<=38.45	Pass
			39	20.49	-2.02	16.32	<=38.45	Pass
	831.5	75	0	20.48	-2.02	16.31	<=38.45	Pass
		1	0	21.81	-2.02	17.64	<=38.45	Pass
			38	22.03	-2.02	17.86	<=38.45	Pass
		74	21.79	-2.02	17.62	<=38.45	Pass	
		36	0	20.58	-2.02	16.41	<=38.45	Pass
			18	20.64	-2.02	16.47	<=38.45	Pass
			39	20.72	-2.02	16.55	<=38.45	Pass
	841.5	75	0	20.68	-2.02	16.51	<=38.45	Pass
		1	0	21.44	-2.02	17.27	<=38.45	Pass
			38	21.53	-2.02	17.36	<=38.45	Pass
		74	21.34	-2.02	17.17	<=38.45	Pass	
		36	0	20.64	-2.02	16.47	<=38.45	Pass
			18	20.67	-2.02	16.50	<=38.45	Pass
			39	20.57	-2.02	16.40	<=38.45	Pass
		75	0	20.62	-2.02	16.45	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B26c_15MHz

2.1.1 Test Result

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	3.46	-4.663	-0.0057	-2.5 to 2.5	Pass
					3.8	-8.168	-0.0099	-2.5 to 2.5	Pass
					4.35	-5.765	-0.0070	-2.5 to 2.5	Pass
				-30	3.8	-6.037	-0.0073	-2.5 to 2.5	Pass
				-20	3.8	-8.926	-0.0109	-2.5 to 2.5	Pass
				-10	3.8	-7.396	-0.0090	-2.5 to 2.5	Pass
				0	3.8	-4.263	-0.0052	-2.5 to 2.5	Pass
				10	3.8	-5.879	-0.0072	-2.5 to 2.5	Pass
				30	3.8	-4.792	-0.0058	-2.5 to 2.5	Pass
				40	3.8	-6.466	-0.0079	-2.5 to 2.5	Pass
				50	3.8	-7.496	-0.0091	-2.5 to 2.5	Pass
	831.5	75	0	20	3.46	-2.747	-0.0033	-2.5 to 2.5	Pass
					3.8	-2.689	-0.0032	-2.5 to 2.5	Pass
					4.35	-4.091	-0.0049	-2.5 to 2.5	Pass
				-30	3.8	-4.964	-0.0060	-2.5 to 2.5	Pass
				-20	3.8	-7.811	-0.0094	-2.5 to 2.5	Pass
				-10	3.8	-4.277	-0.0051	-2.5 to 2.5	Pass
				0	3.8	-5.364	-0.0065	-2.5 to 2.5	Pass

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				10	3.8	-8.669	-0.0104	-2.5 to 2.5	Pass
				30	3.8	-3.734	-0.0045	-2.5 to 2.5	Pass
				40	3.8	-5.665	-0.0068	-2.5 to 2.5	Pass
				50	3.8	-6.437	-0.0077	-2.5 to 2.5	Pass
				3.46	-4.821	-0.0057	-2.5 to 2.5	Pass	
				20	3.8	-2.332	-0.0028	-2.5 to 2.5	Pass
				4.35	-0.544	-0.0006	-2.5 to 2.5	Pass	
				-30	3.8	-4.892	-0.0058	-2.5 to 2.5	Pass
				-20	3.8	-4.220	-0.0050	-2.5 to 2.5	Pass
				-10	3.8	-4.749	-0.0056	-2.5 to 2.5	Pass
				0	3.8	-4.892	-0.0058	-2.5 to 2.5	Pass
				10	3.8	-4.606	-0.0055	-2.5 to 2.5	Pass
				30	3.8	-7.997	-0.0095	-2.5 to 2.5	Pass
				40	3.8	-4.478	-0.0053	-2.5 to 2.5	Pass
				50	3.8	-3.033	-0.0036	-2.5 to 2.5	Pass
				3.46	-10.257	-0.0125	-2.5 to 2.5	Pass	
				20	3.8	-3.147	-0.0038	-2.5 to 2.5	Pass
				4.35	-6.638	-0.0081	-2.5 to 2.5	Pass	
				-30	3.8	-3.605	-0.0044	-2.5 to 2.5	Pass
				-20	3.8	-4.792	-0.0058	-2.5 to 2.5	Pass
				-10	3.8	-5.178	-0.0063	-2.5 to 2.5	Pass
				0	3.8	-4.435	-0.0054	-2.5 to 2.5	Pass
				10	3.8	-5.078	-0.0062	-2.5 to 2.5	Pass
				30	3.8	-5.779	-0.0070	-2.5 to 2.5	Pass
				40	3.8	-7.854	-0.0096	-2.5 to 2.5	Pass
				50	3.8	-6.709	-0.0082	-2.5 to 2.5	Pass
				3.46	-6.251	-0.0075	-2.5 to 2.5	Pass	
				20	3.8	-3.490	-0.0042	-2.5 to 2.5	Pass
				4.35	-4.435	-0.0053	-2.5 to 2.5	Pass	
				-30	3.8	-5.736	-0.0069	-2.5 to 2.5	Pass
				-20	3.8	-4.964	-0.0060	-2.5 to 2.5	Pass
				-10	3.8	-8.340	-0.0100	-2.5 to 2.5	Pass
				0	3.8	-4.978	-0.0060	-2.5 to 2.5	Pass
				10	3.8	-3.247	-0.0039	-2.5 to 2.5	Pass
				30	3.8	-3.462	-0.0042	-2.5 to 2.5	Pass
				40	3.8	-4.206	-0.0051	-2.5 to 2.5	Pass
				50	3.8	-5.836	-0.0070	-2.5 to 2.5	Pass
				3.46	-3.119	-0.0037	-2.5 to 2.5	Pass	
				20	3.8	-5.507	-0.0065	-2.5 to 2.5	Pass
				4.35	-5.150	-0.0061	-2.5 to 2.5	Pass	
				-30	3.8	-5.279	-0.0063	-2.5 to 2.5	Pass
				-20	3.8	-3.948	-0.0047	-2.5 to 2.5	Pass
				-10	3.8	-5.636	-0.0067	-2.5 to 2.5	Pass
				0	3.8	-4.277	-0.0051	-2.5 to 2.5	Pass
				10	3.8	-4.849	-0.0058	-2.5 to 2.5	Pass
				30	3.8	-4.363	-0.0052	-2.5 to 2.5	Pass
				40	3.8	-4.249	-0.0050	-2.5 to 2.5	Pass
				50	3.8	-4.277	-0.0051	-2.5 to 2.5	Pass
				3.46	-6.952	-0.0085	-2.5 to 2.5	Pass	
				20	3.8	-6.466	-0.0079	-2.5 to 2.5	Pass
				4.35	-6.952	-0.0085	-2.5 to 2.5	Pass	
				-30	3.8	-6.480	-0.0079	-2.5 to 2.5	Pass
				-20	3.8	-4.520	-0.0055	-2.5 to 2.5	Pass
				-10	3.8	-5.336	-0.0065	-2.5 to 2.5	Pass

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				0	3.8	-4.692	-0.0057	-2.5 to 2.5	Pass
				10	3.8	-4.835	-0.0059	-2.5 to 2.5	Pass
				30	3.8	-4.549	-0.0055	-2.5 to 2.5	Pass
				40	3.8	-6.151	-0.0075	-2.5 to 2.5	Pass
				50	3.8	-6.509	-0.0079	-2.5 to 2.5	Pass
831.5	75	0	20	3.46	-3.977	-0.0048	-2.5 to 2.5	Pass	
				3.8	-6.266	-0.0075	-2.5 to 2.5	Pass	
				4.35	-6.437	-0.0077	-2.5 to 2.5	Pass	
				-30	3.8	-7.553	-0.0091	-2.5 to 2.5	Pass
				-20	3.8	-7.567	-0.0091	-2.5 to 2.5	Pass
			-10	3.8	-8.183	-0.0098	-2.5 to 2.5	Pass	
				0	3.8	-6.738	-0.0081	-2.5 to 2.5	Pass
				10	3.8	-7.181	-0.0086	-2.5 to 2.5	Pass
				30	3.8	-6.680	-0.0080	-2.5 to 2.5	Pass
				40	3.8	-8.254	-0.0099	-2.5 to 2.5	Pass
			50	3.8	-6.967	-0.0084	-2.5 to 2.5	Pass	
				3.46	-5.693	-0.0068	-2.5 to 2.5	Pass	
				20	3.8	-3.347	-0.0040	-2.5 to 2.5	Pass
				4.35	-4.678	-0.0056	-2.5 to 2.5	Pass	
				-30	3.8	-5.035	-0.0060	-2.5 to 2.5	Pass
841.5	75	0	-20	3.8	-4.878	-0.0058	-2.5 to 2.5	Pass	
				-10	3.8	-3.591	-0.0043	-2.5 to 2.5	Pass
				0	3.8	-4.463	-0.0053	-2.5 to 2.5	Pass
				10	3.8	-1.860	-0.0022	-2.5 to 2.5	Pass
				30	3.8	-4.091	-0.0049	-2.5 to 2.5	Pass
			-40	3.8	-4.749	-0.0056	-2.5 to 2.5	Pass	
				50	3.8	-5.021	-0.0060	-2.5 to 2.5	Pass
				3.46	-5.693	-0.0068	-2.5 to 2.5	Pass	
				20	3.8	-3.347	-0.0040	-2.5 to 2.5	Pass
				4.35	-4.678	-0.0056	-2.5 to 2.5	Pass	

3. Modulation Characteristics

3.1 B26c_15MHz

3.1.1 Test Result

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
64QAM	831.5	75	0	Refer To Test Graph		Pass

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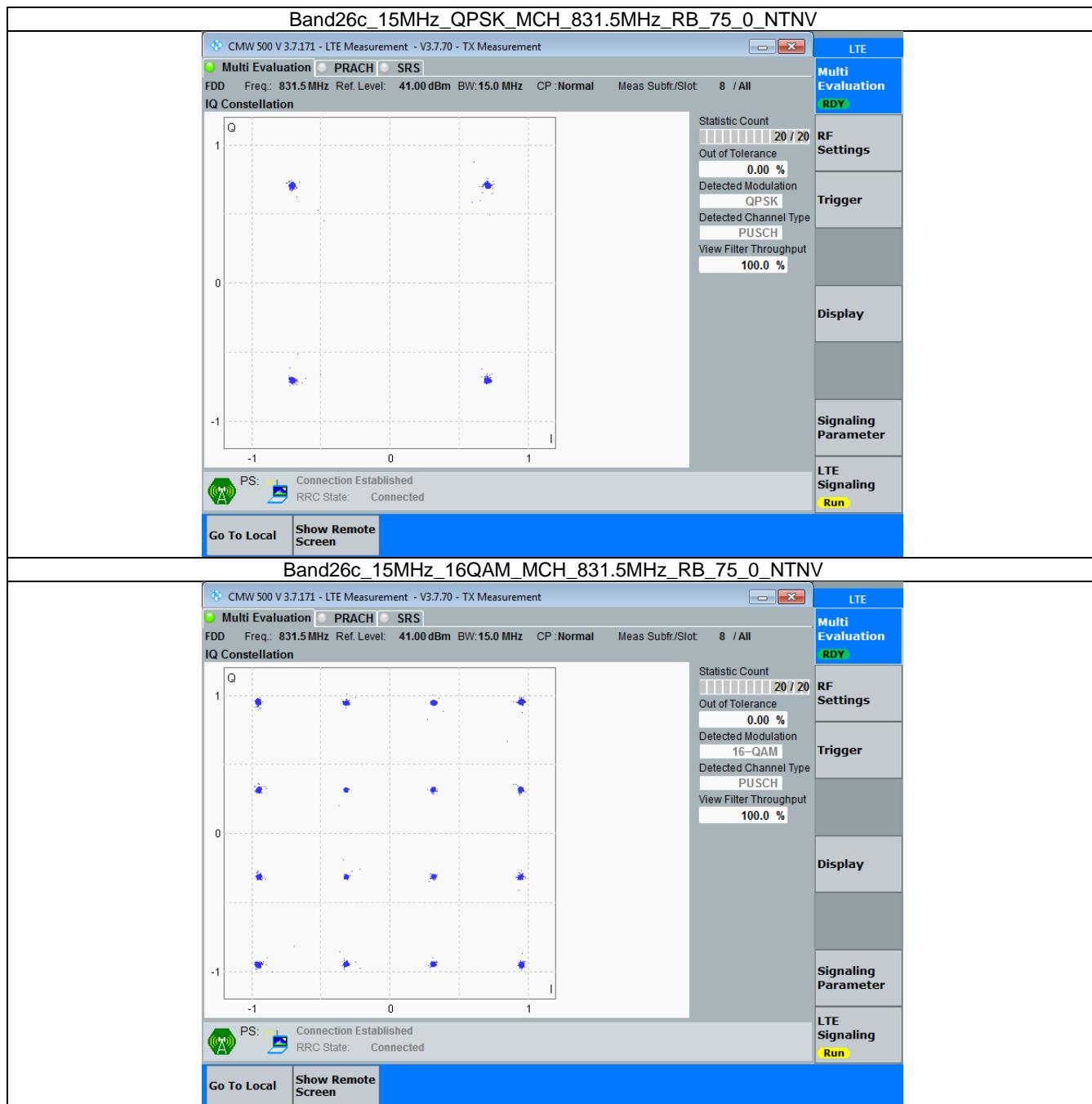
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3.1.2 Test Graph



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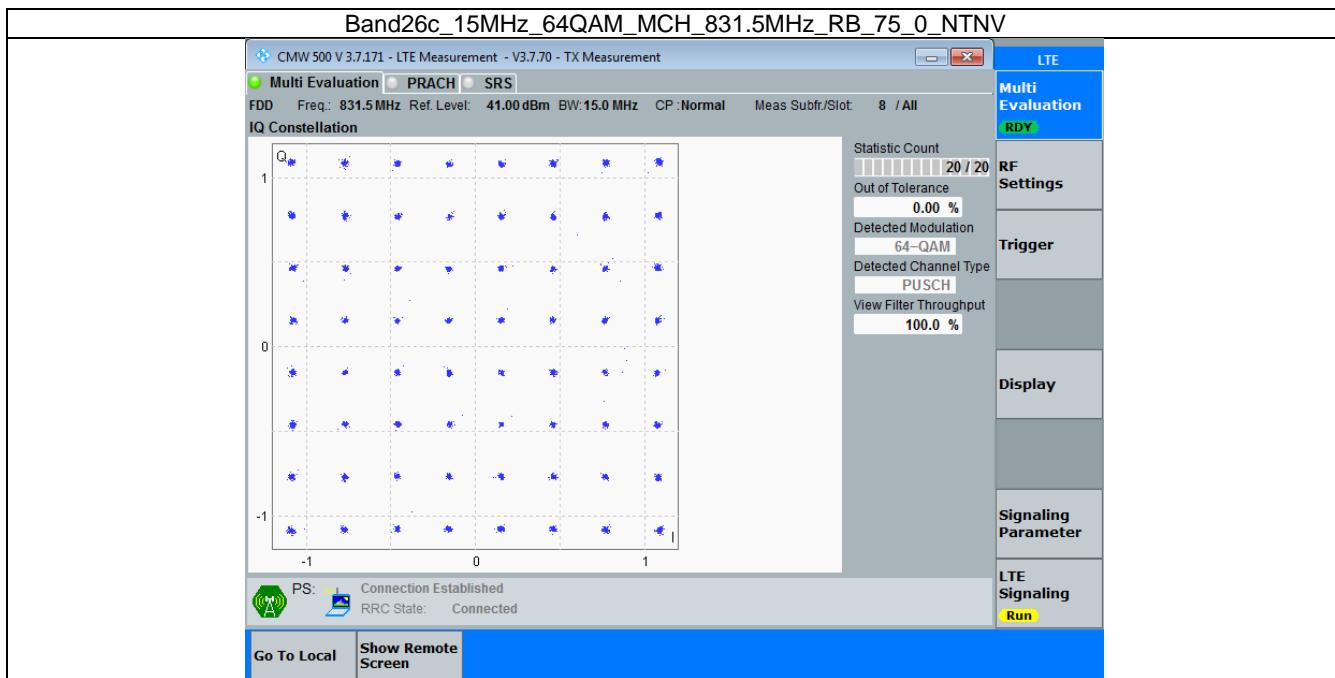
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4. 99% & 26dB Bandwidth

4.1 Band26c_OBW

4.1.1 Test Result

Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset		
15	QPSK	821.5	75	0	13.555	Pass
		831.5	75	0	13.584	Pass
		841.5	75	0	13.528	Pass
	16QAM	821.5	75	0	13.550	Pass
		831.5	75	0	13.584	Pass
		841.5	75	0	13.536	Pass
	64QAM	821.5	75	0	13.581	Pass
		831.5	75	0	13.586	Pass
		841.5	75	0	13.599	Pass

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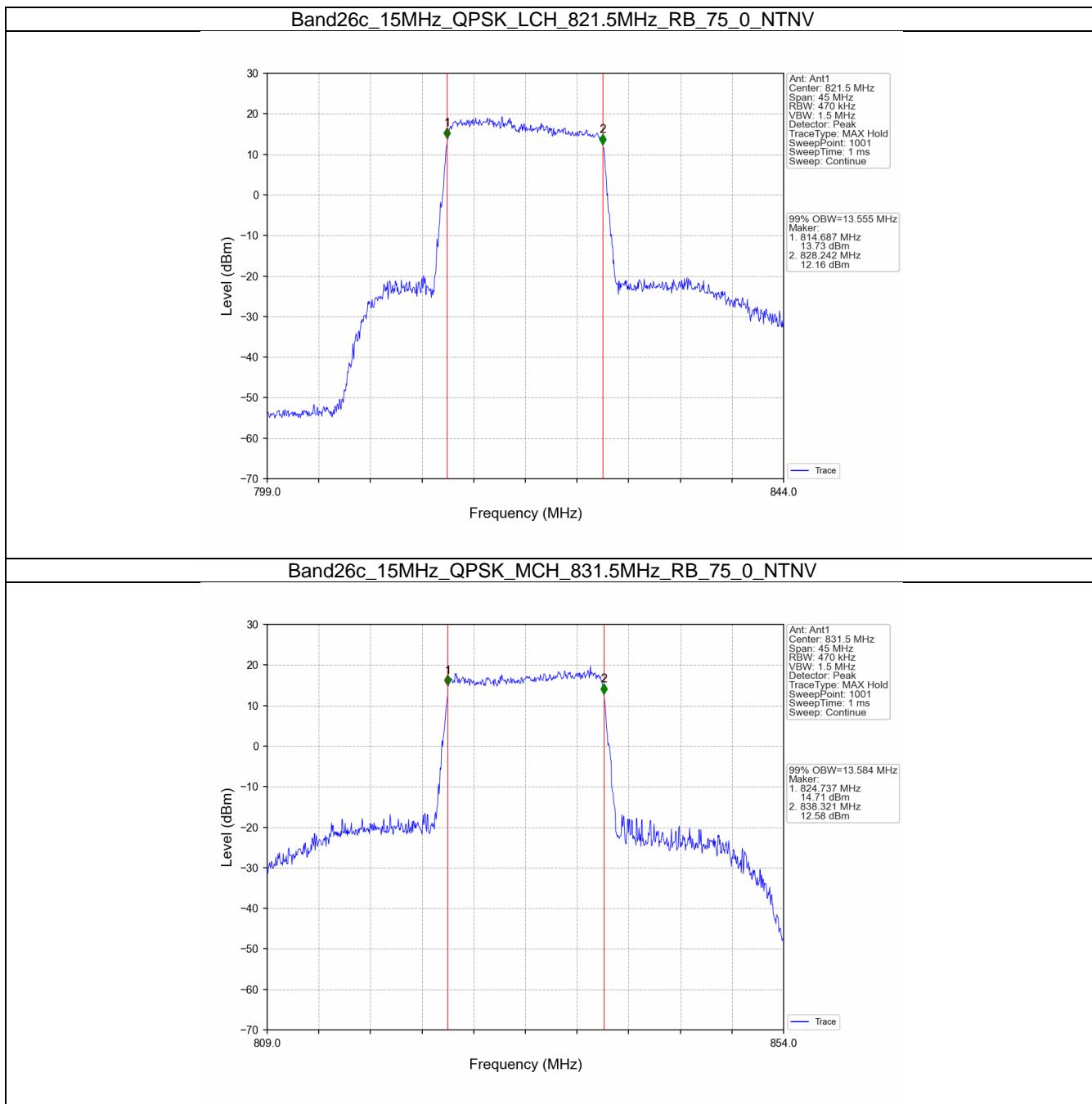


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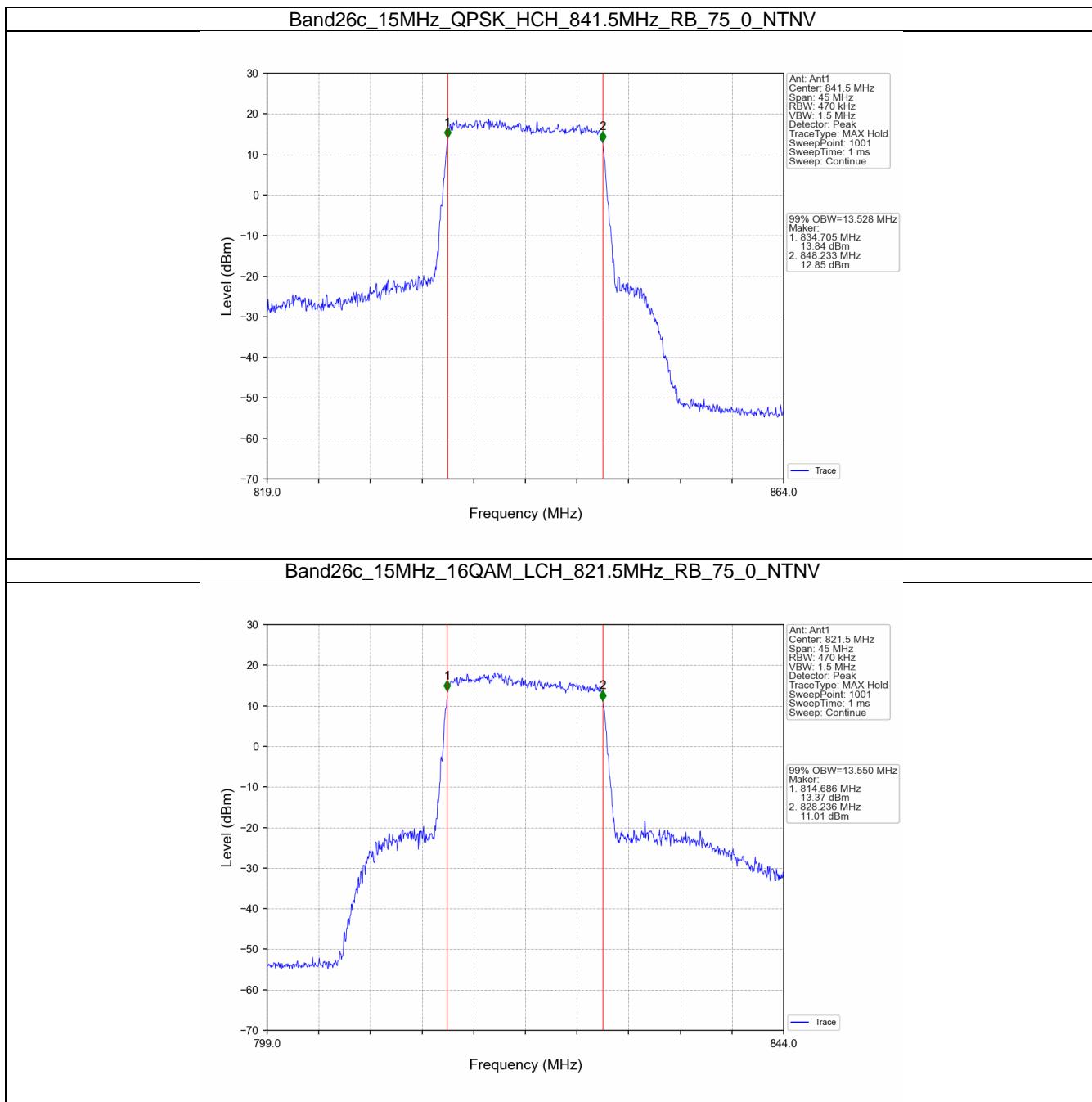
4.1.2 Test Graph



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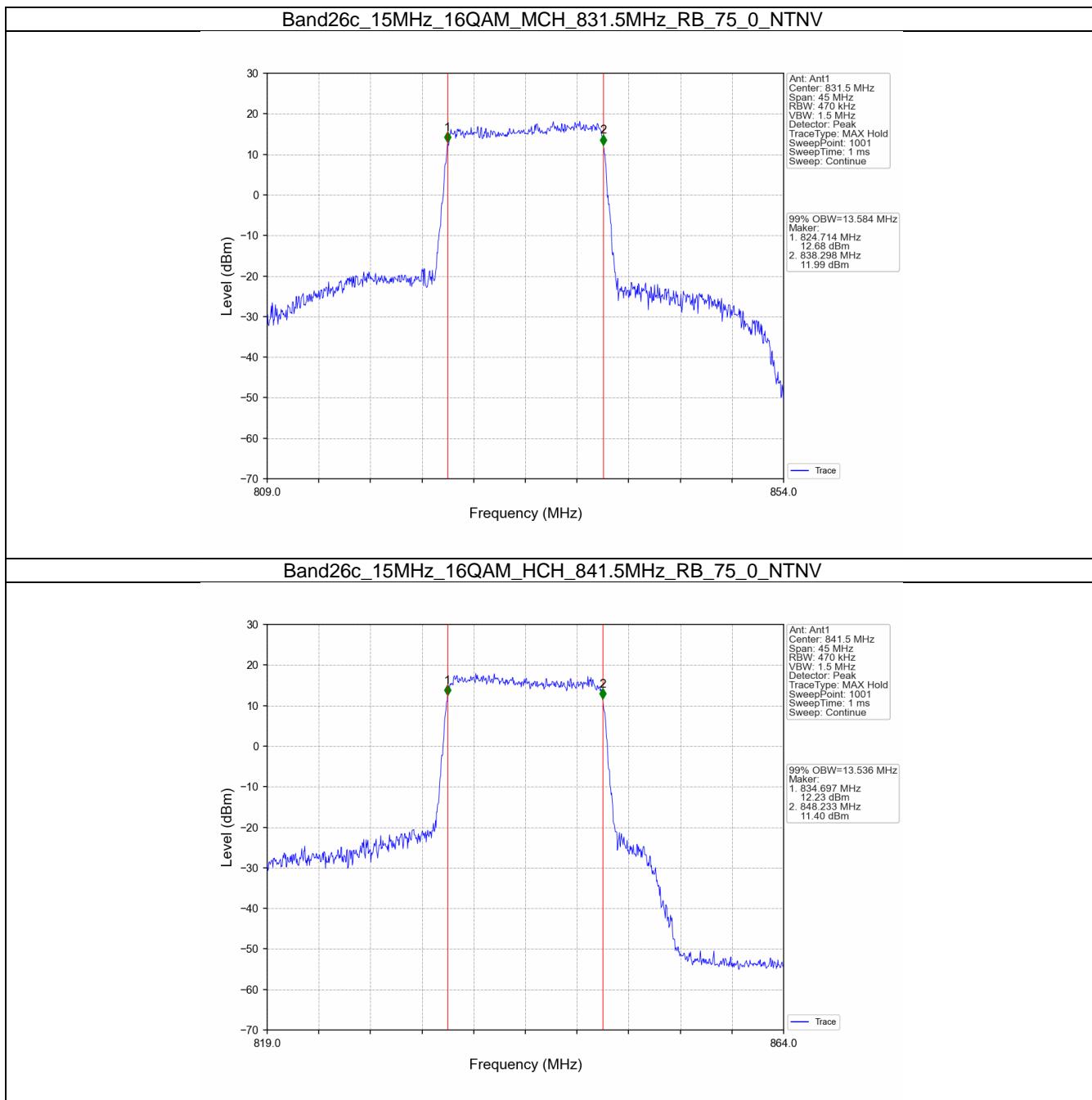
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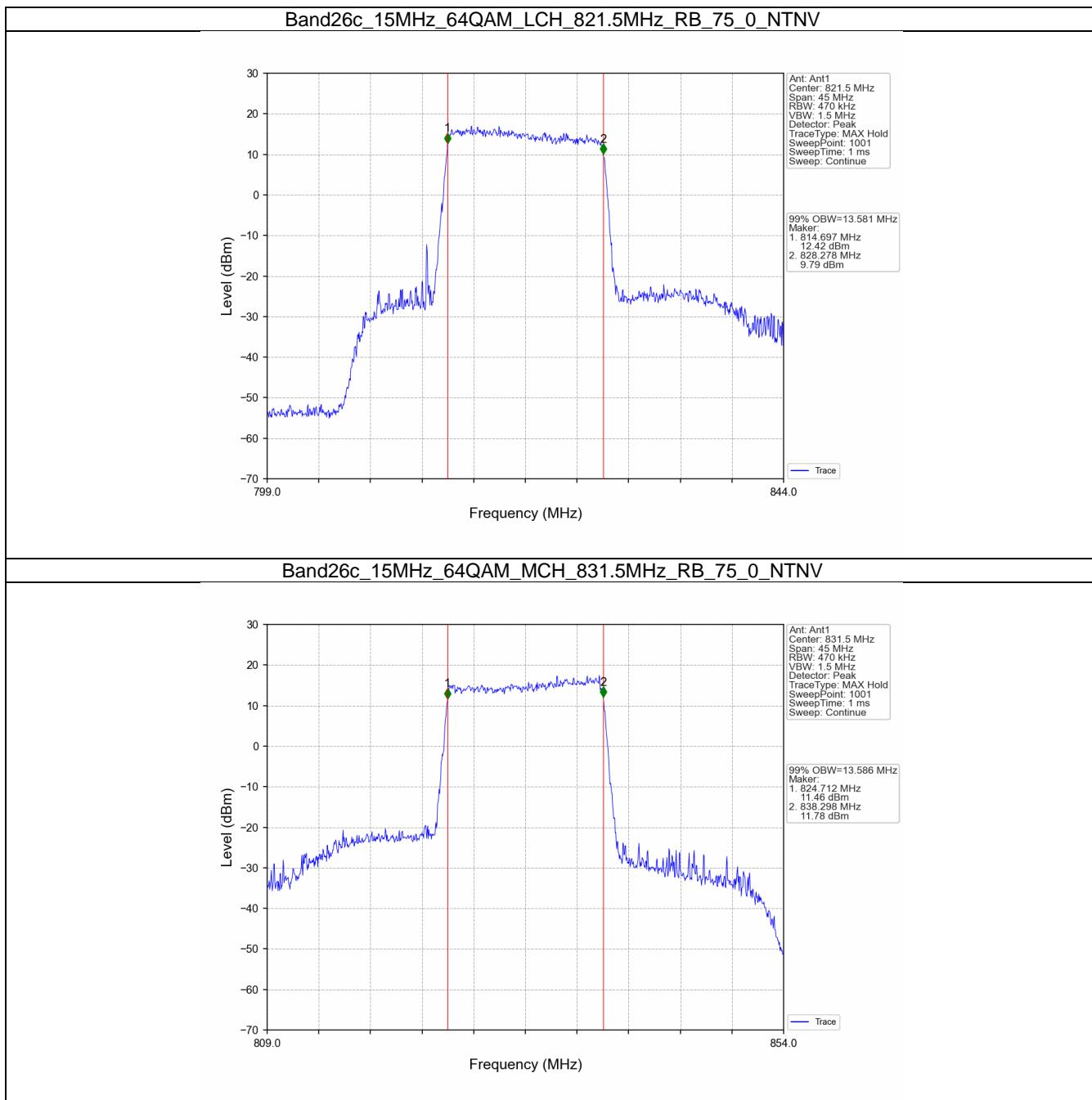
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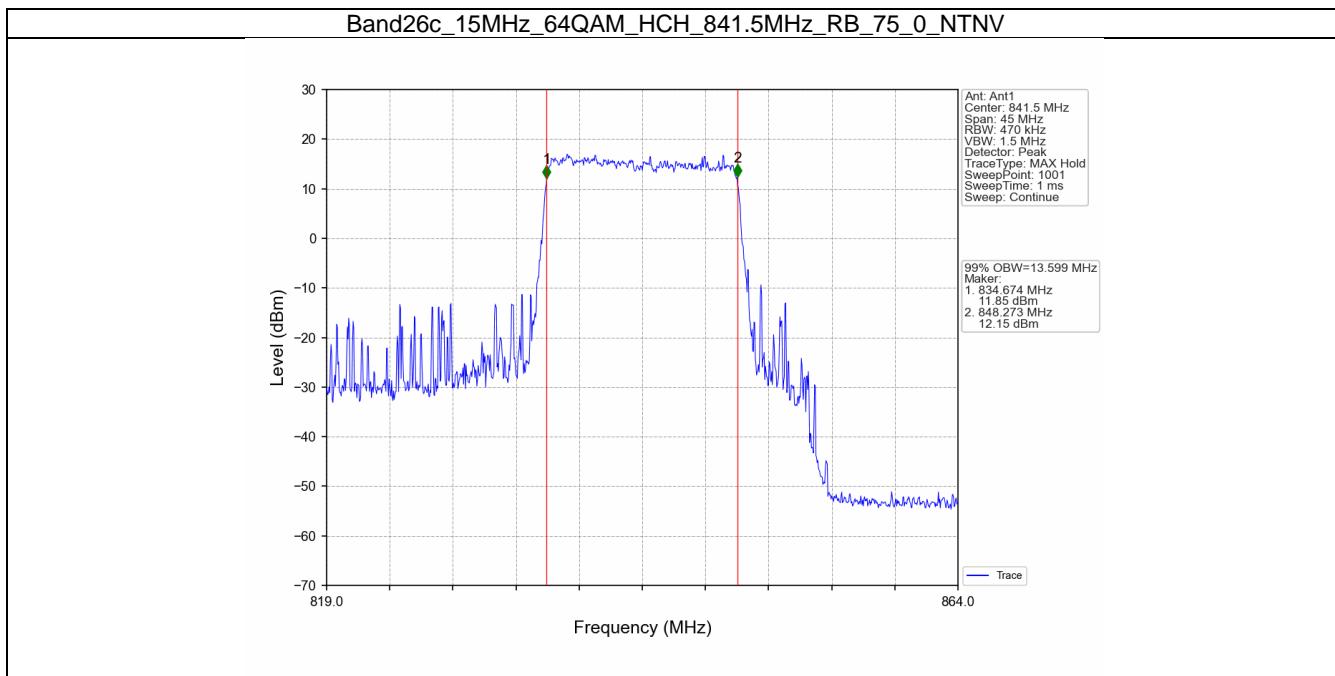
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4.2 Band26c_XDB

4.2.1 Test Result

Band: 26c / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset		
15	QPSK	821.5	75	0	14.840	Pass
		831.5	75	0	14.938	Pass
		841.5	75	0	14.819	Pass
	16QAM	821.5	75	0	14.814	Pass
		831.5	75	0	14.889	Pass
		841.5	75	0	14.805	Pass
	64QAM	821.5	75	0	14.838	Pass
		831.5	75	0	14.764	Pass
		841.5	75	0	15.086	Pass

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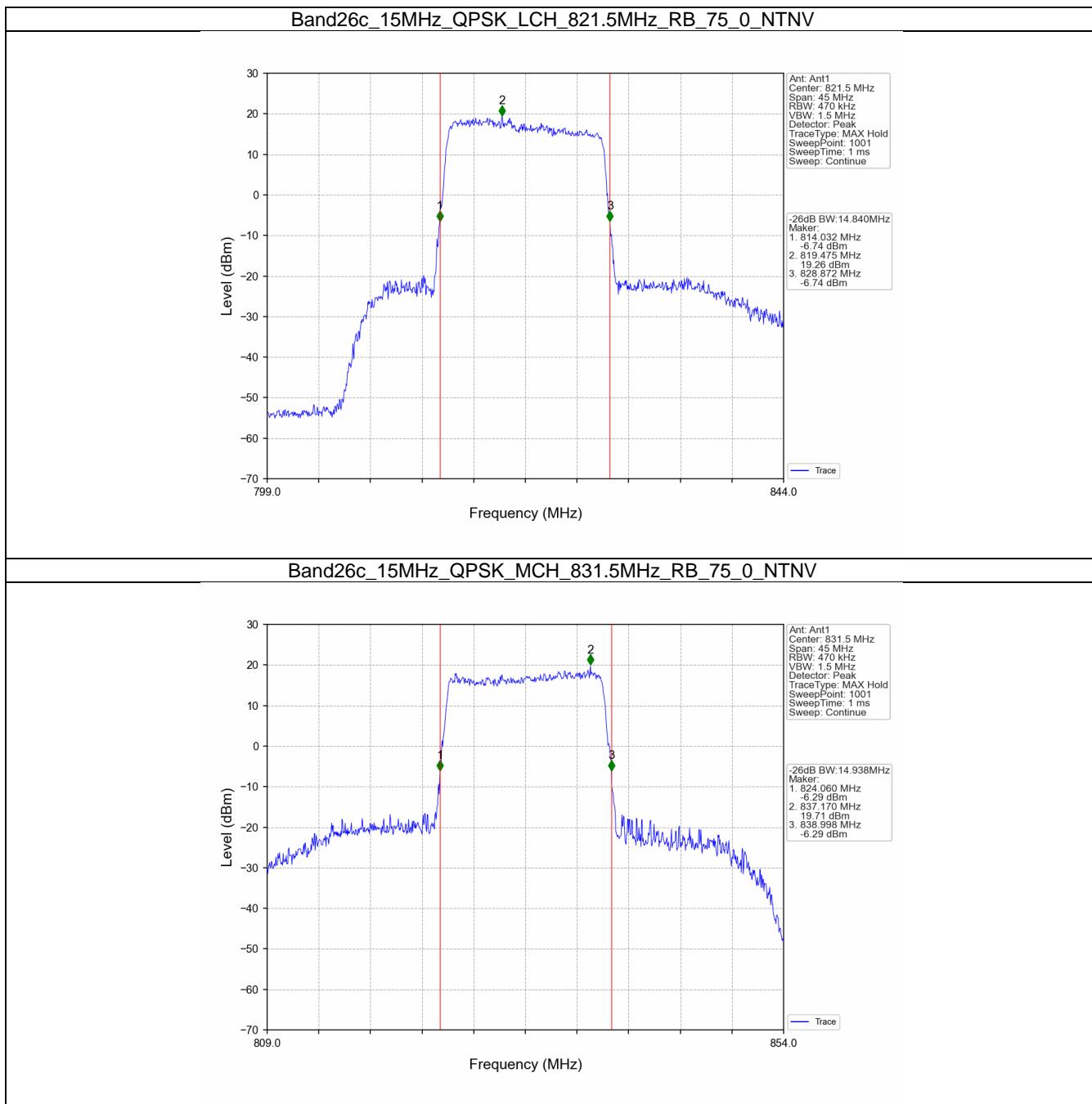


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4.2.2 Test Graph



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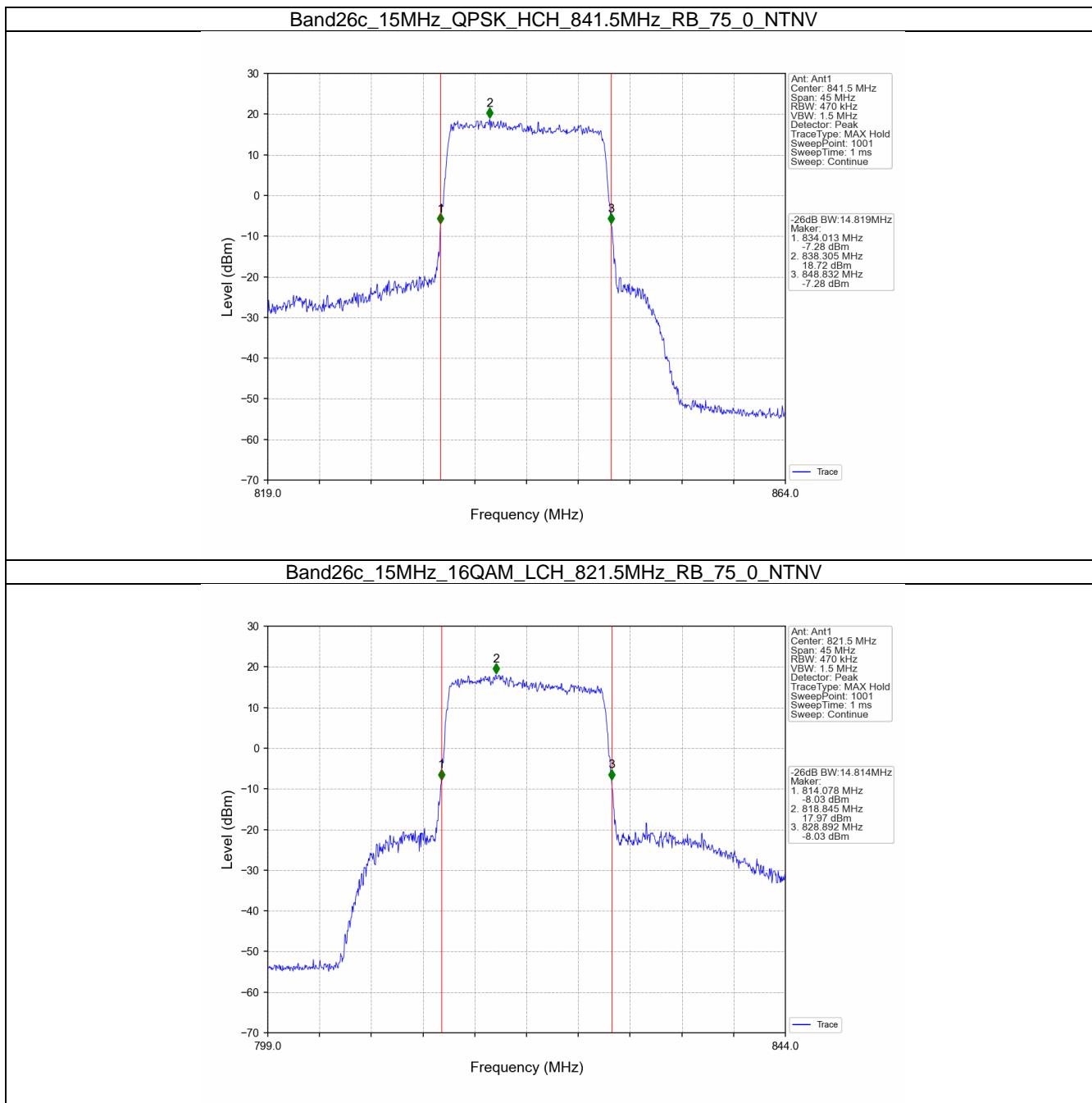
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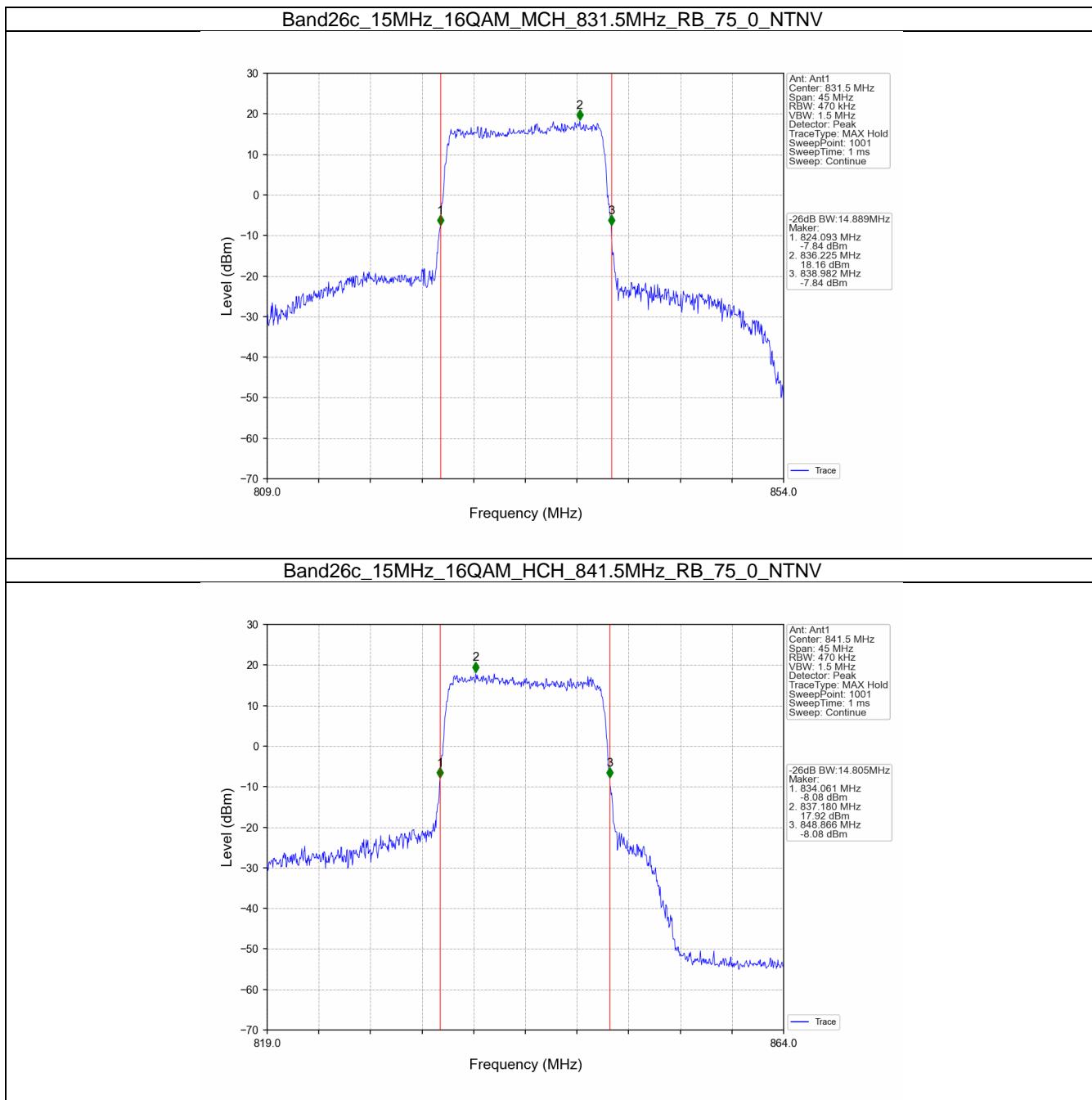
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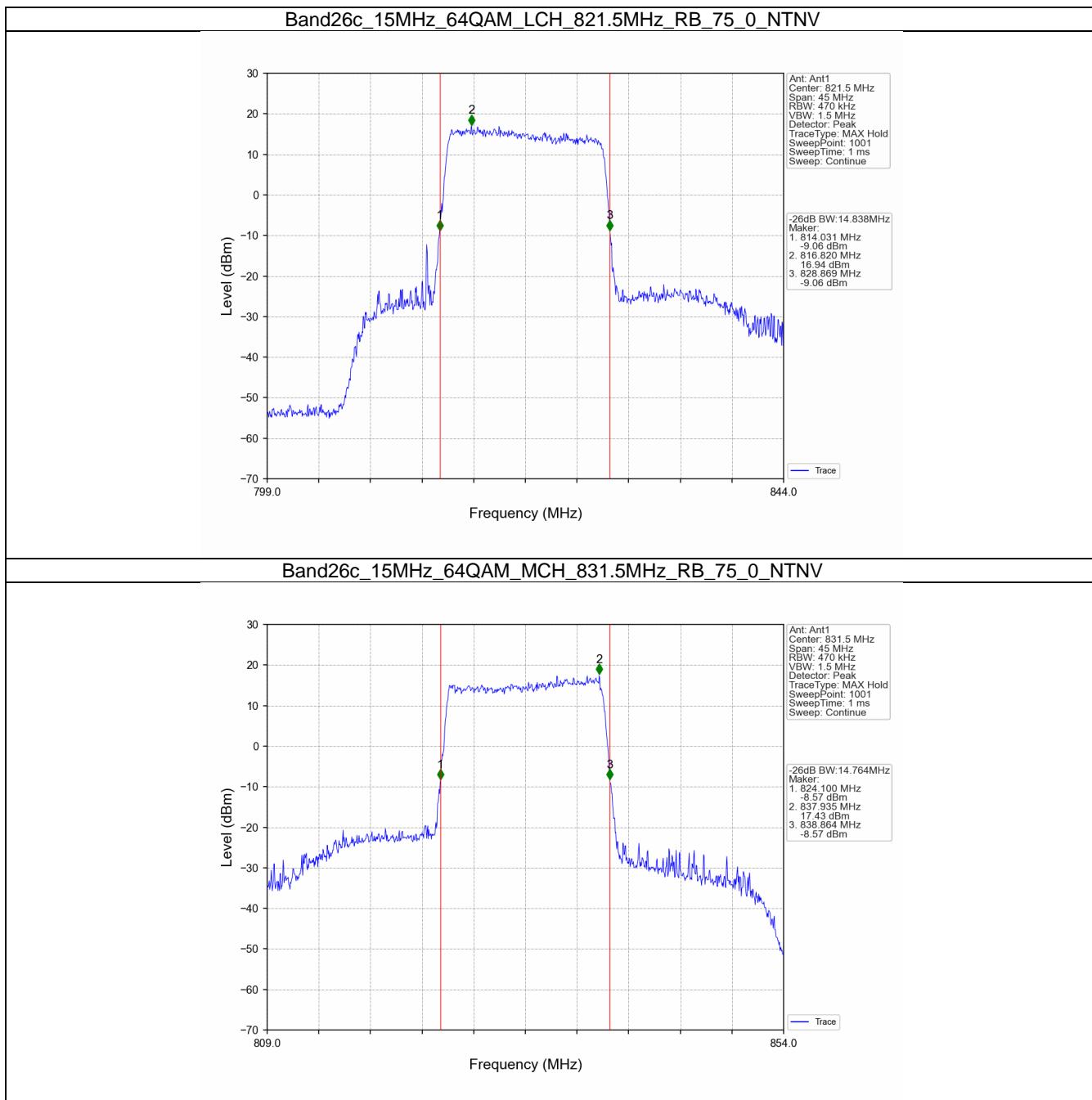
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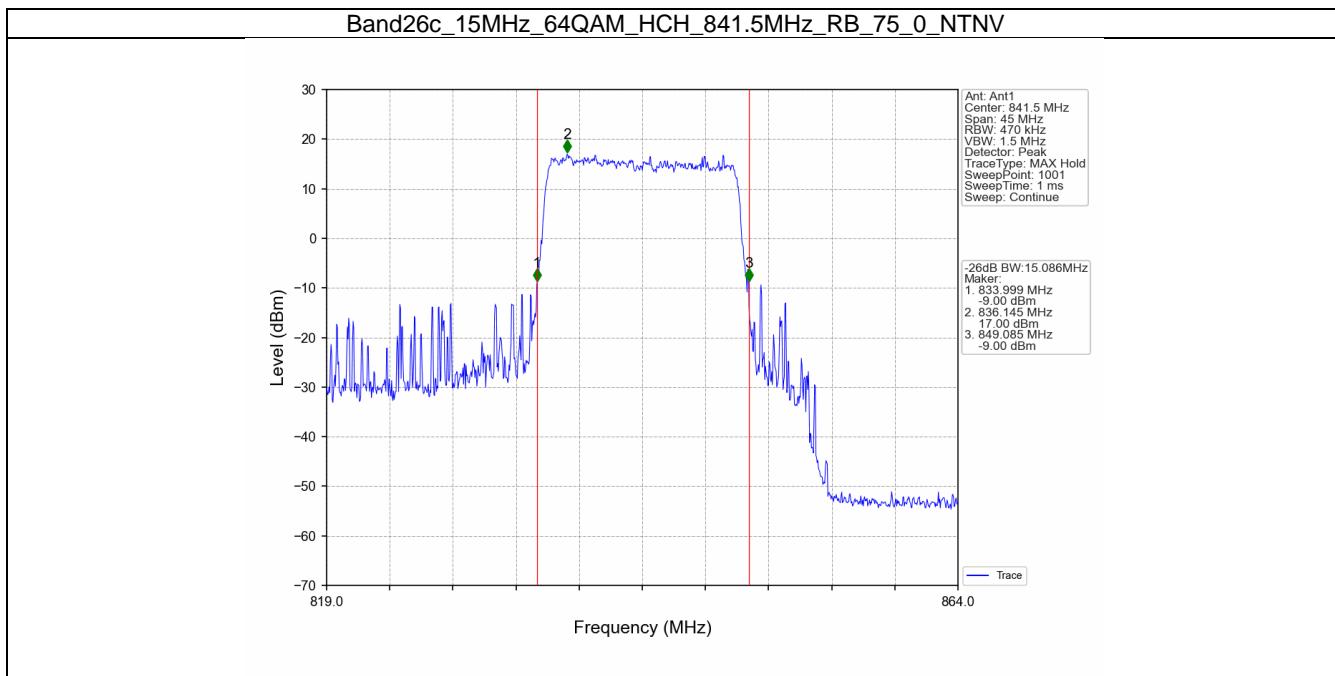
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5. Peak-Average Ratio

5.1 B26c_15MHz

5.1.1 Test Result

Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	821.5	75	0	6.34	<=13	Pass
	831.5	75	0	6.33	<=13	Pass
	841.5	75	0	6.30	<=13	Pass
16QAM	821.5	75	0	6.95	<=13	Pass
	831.5	75	0	7.01	<=13	Pass
	841.5	75	0	7.06	<=13	Pass
64QAM	821.5	75	0	7.19	<=13	Pass
	831.5	75	0	7.27	<=13	Pass
	841.5	75	0	7.18	<=13	Pass

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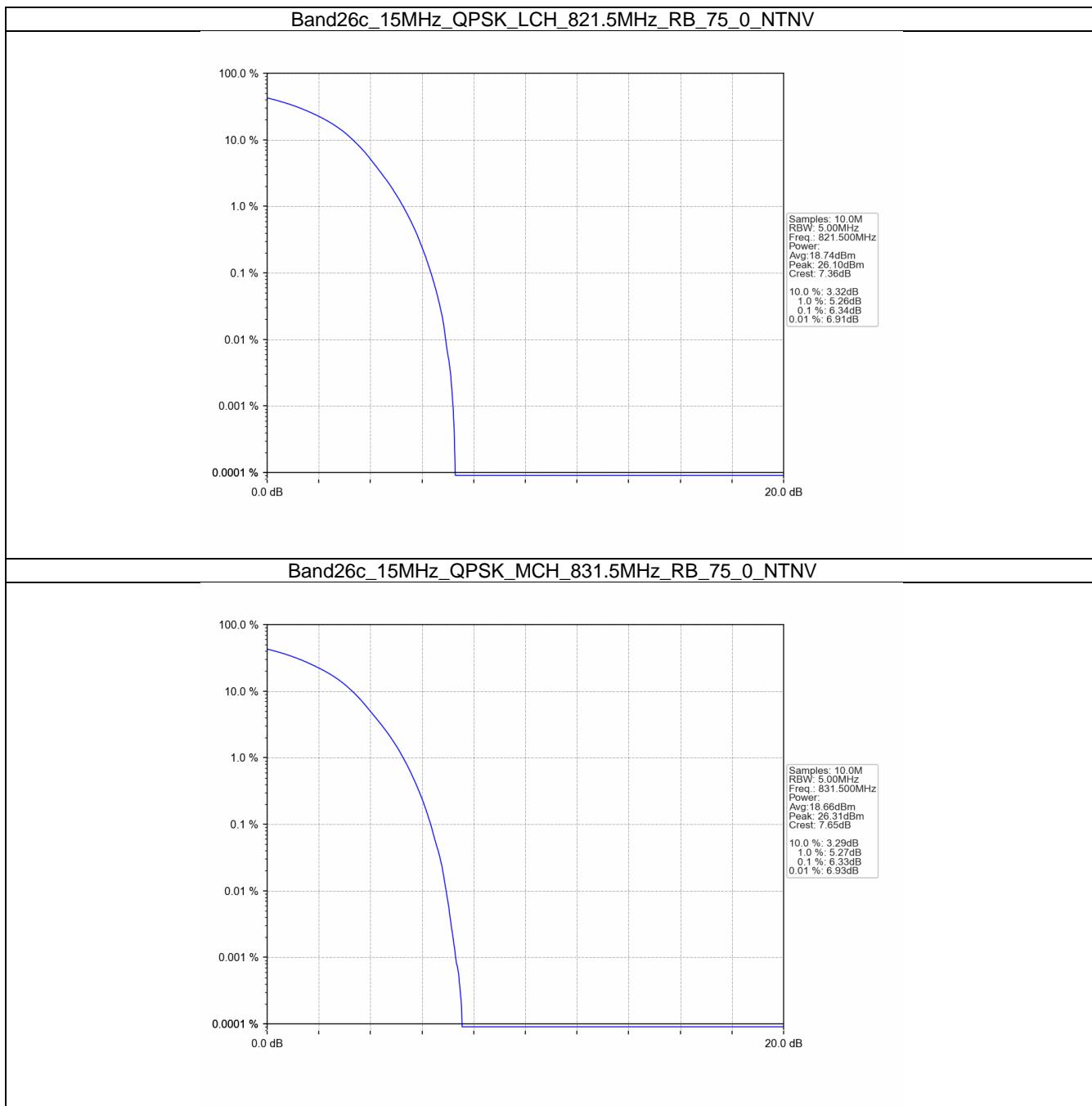


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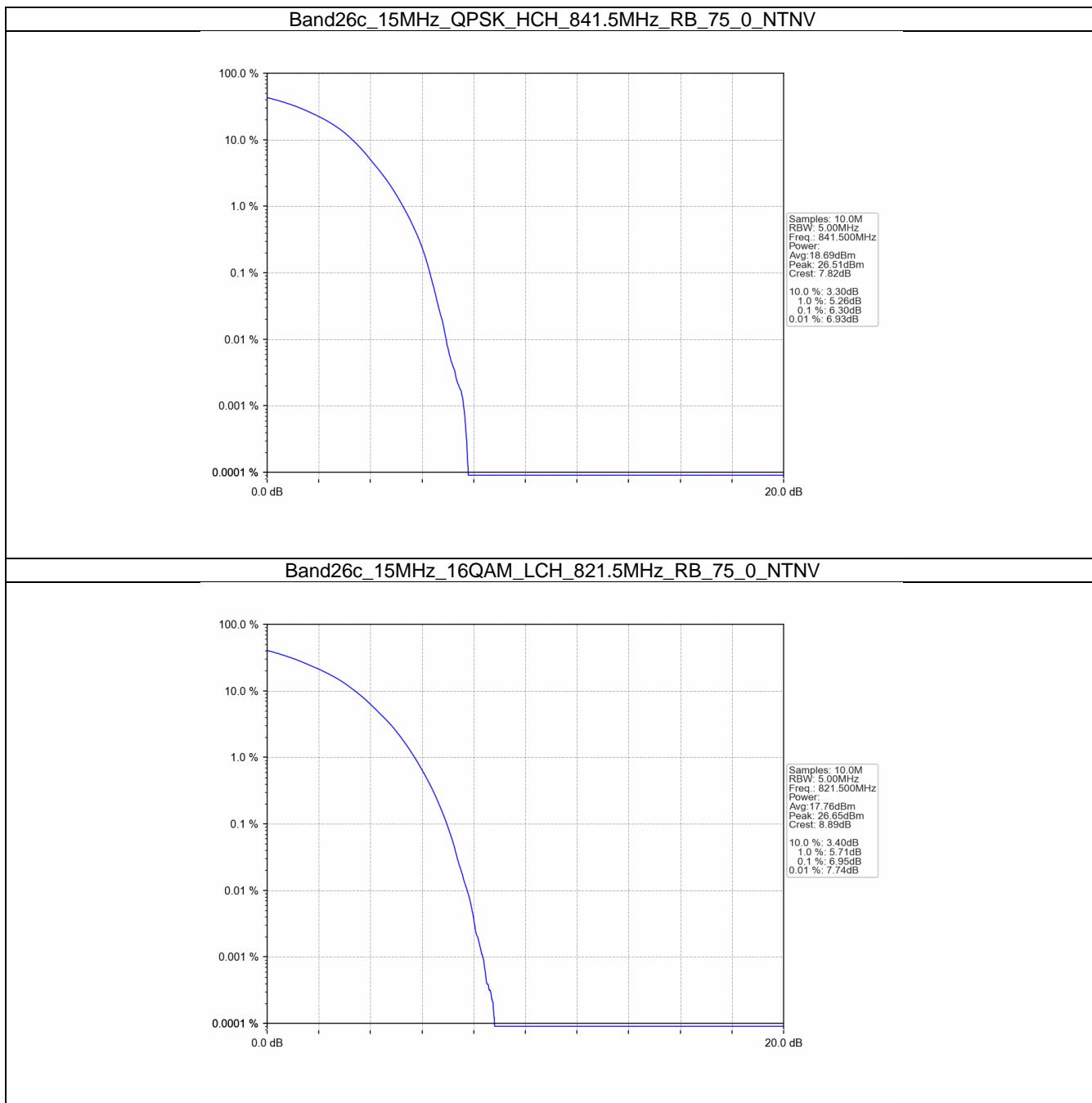
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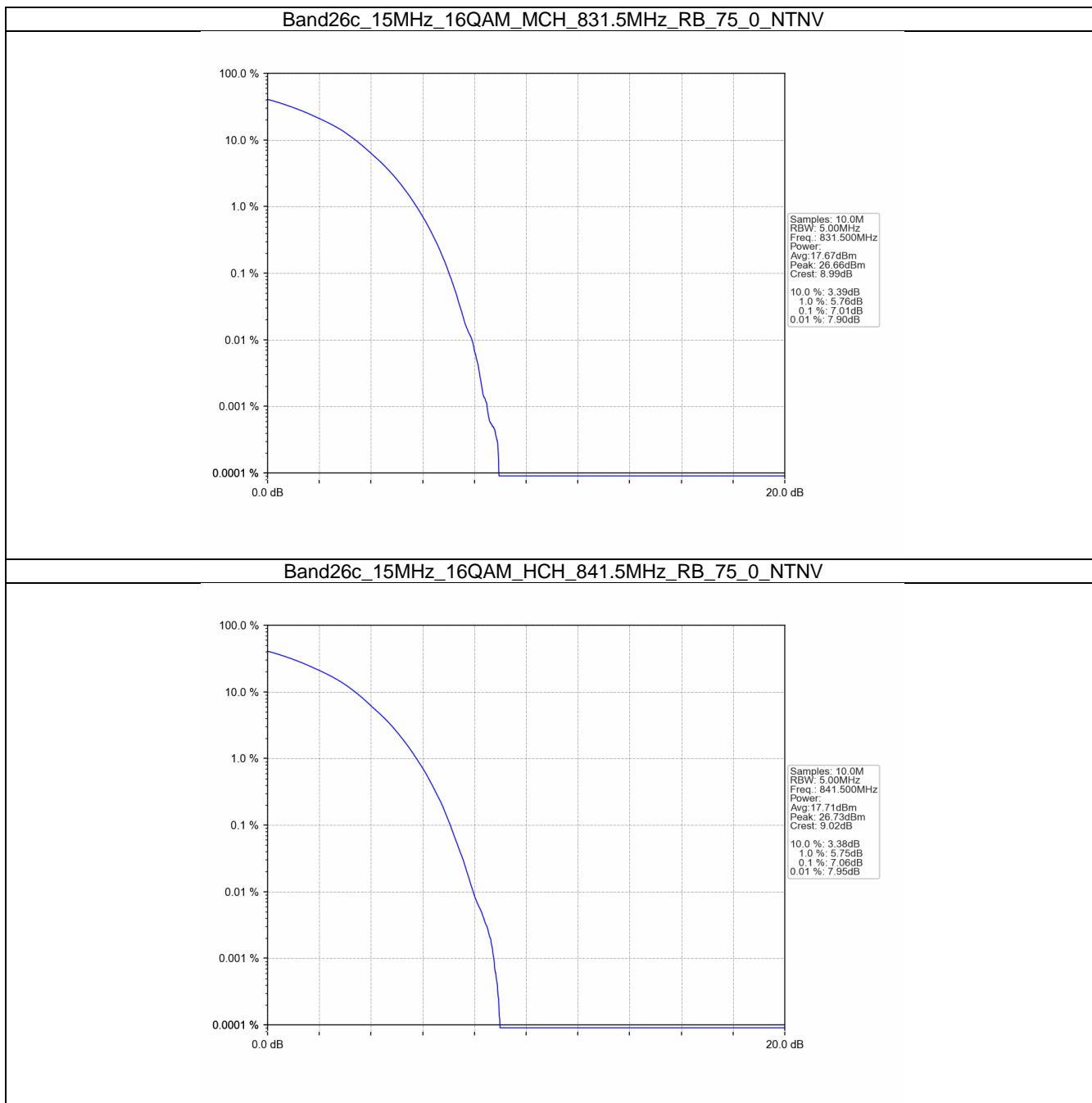




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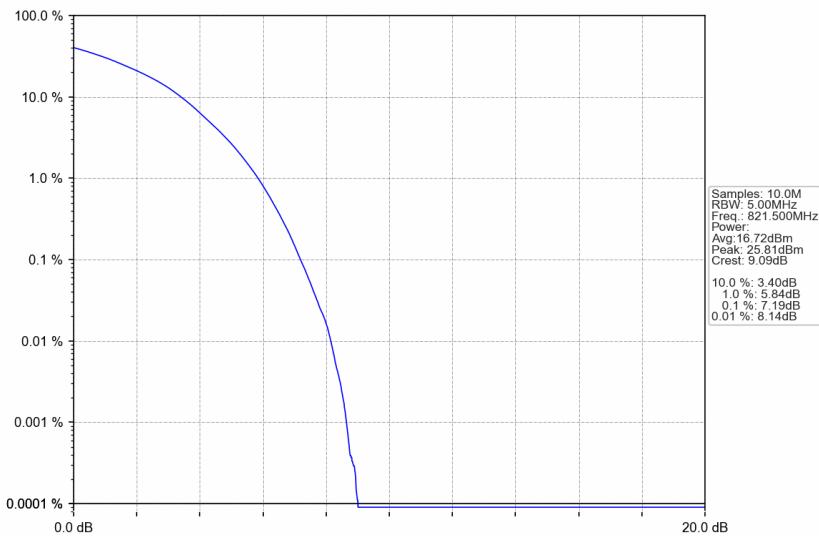
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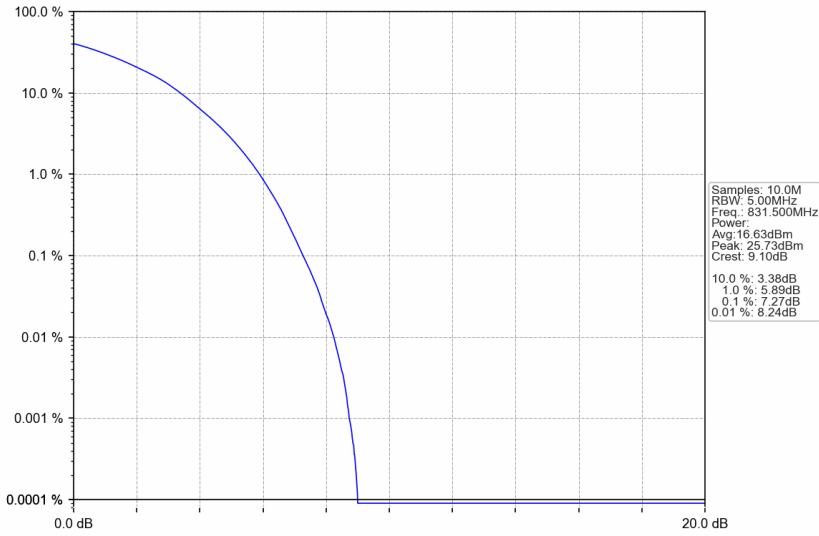
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Band26c_15MHz_64QAM_LCH_821.5MHz_RB_75_0_NTNV



Band26c_15MHz_64QAM_MCH_831.5MHz_RB_75_0_NTNV

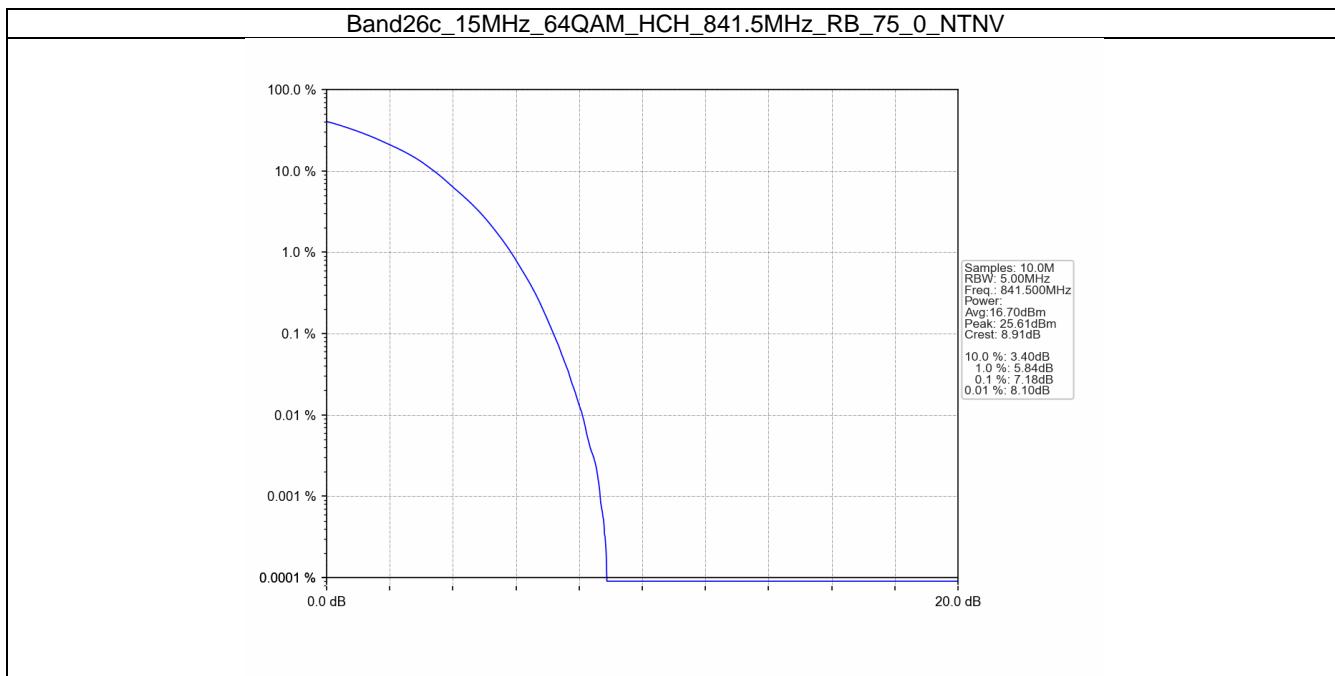


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6. Spurious Emission

6.1 B26c_15MHz

6.1.1 Test Result

Modulation	Frequency (MHz)	Band: 26c / Bandwidth: 15MHz / NTV				Verdict
		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
	831.5	1	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
	841.5	1	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
	831.5	1	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
	841.5	1	74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
64QAM	821.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	831.5	1	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
	841.5	1	74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

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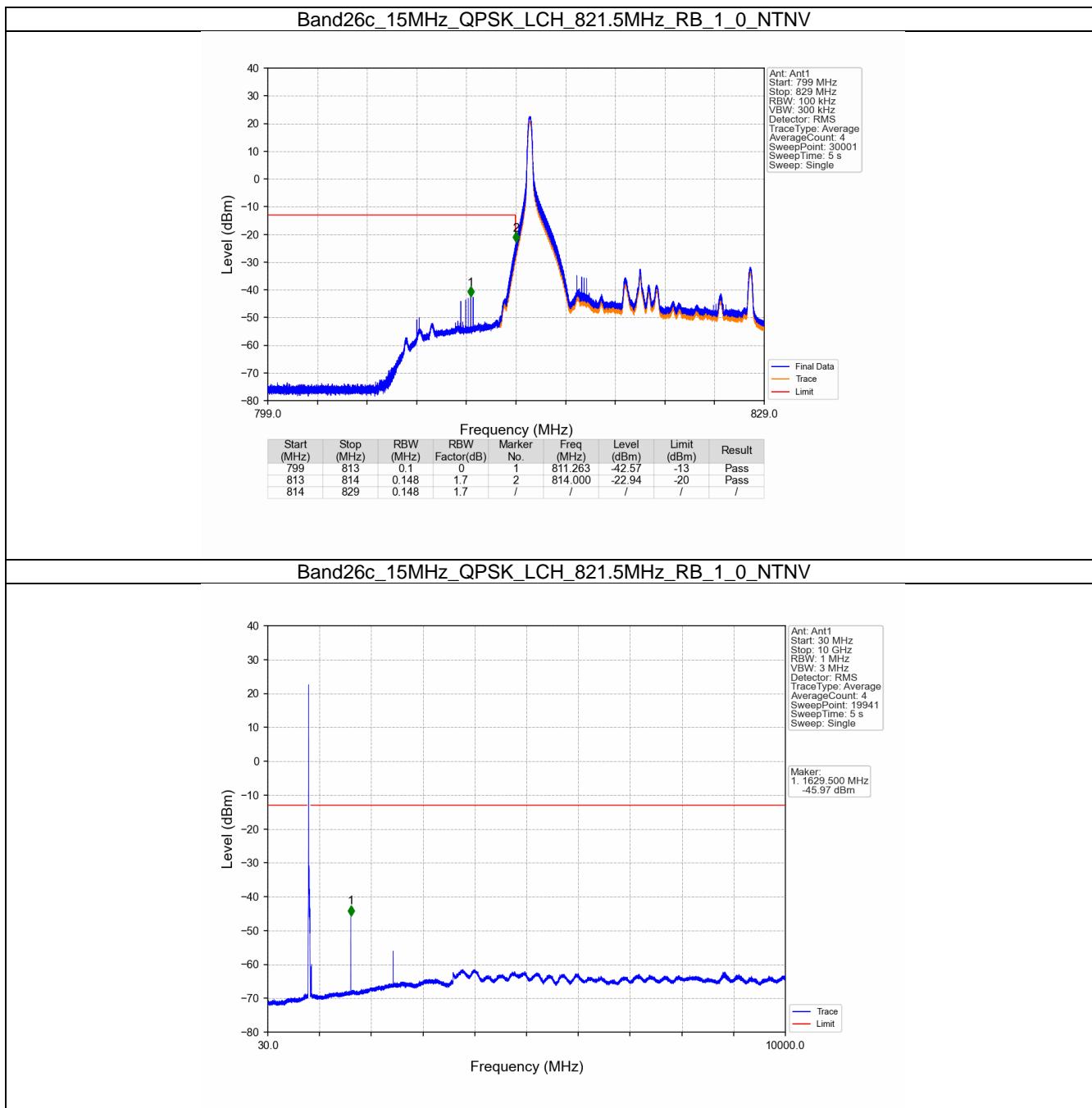


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6.1.2 Test Graph



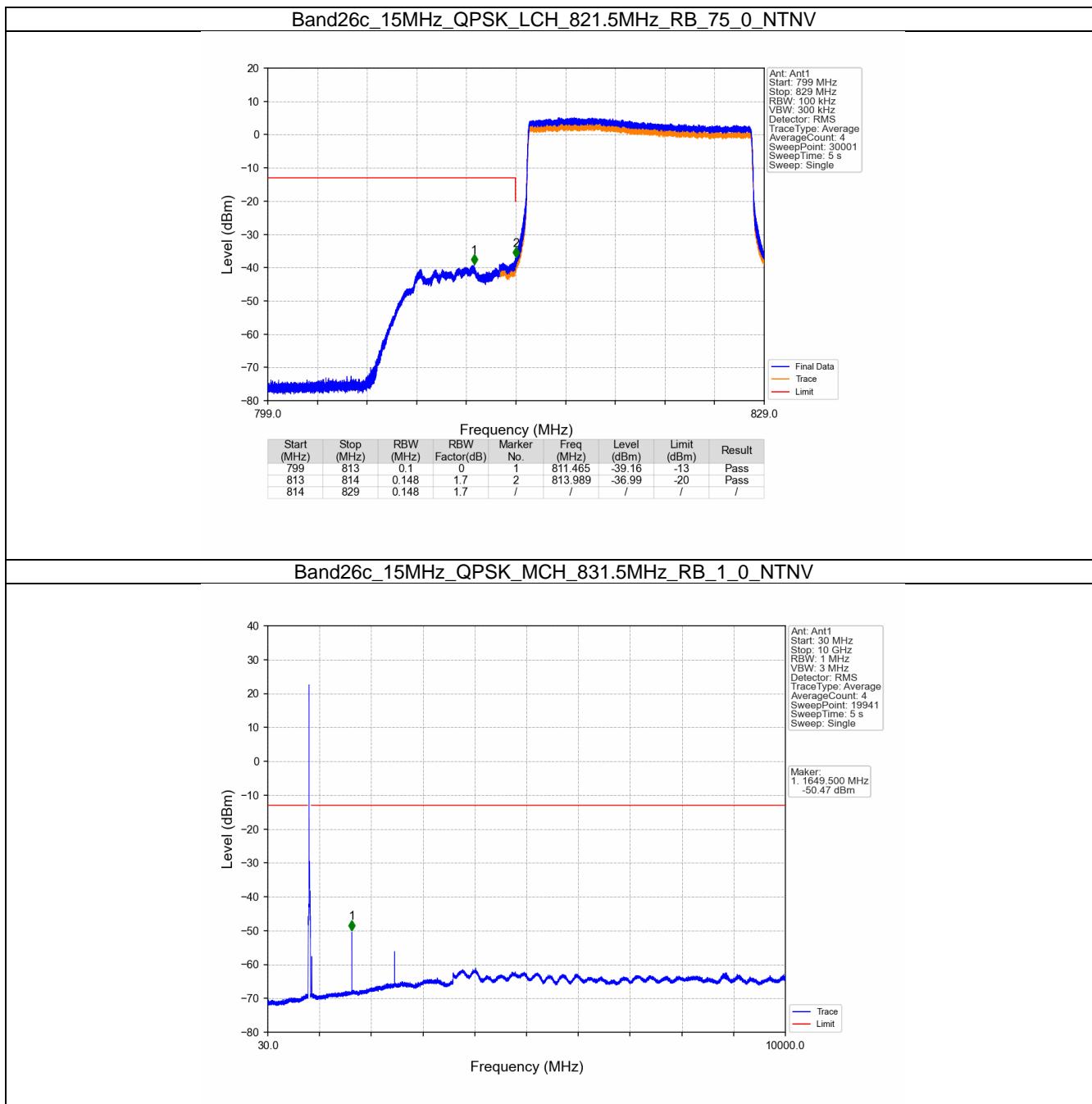
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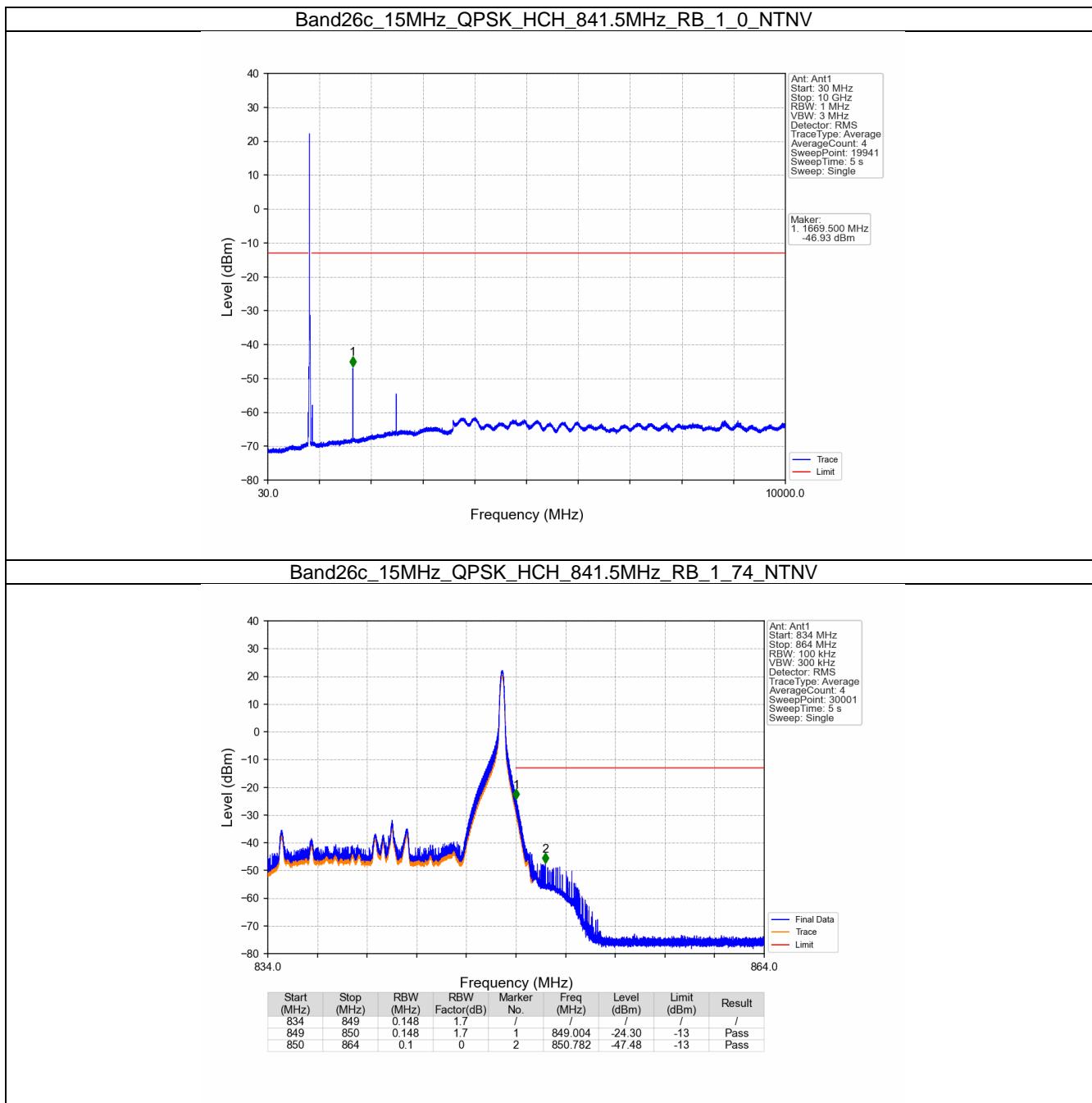
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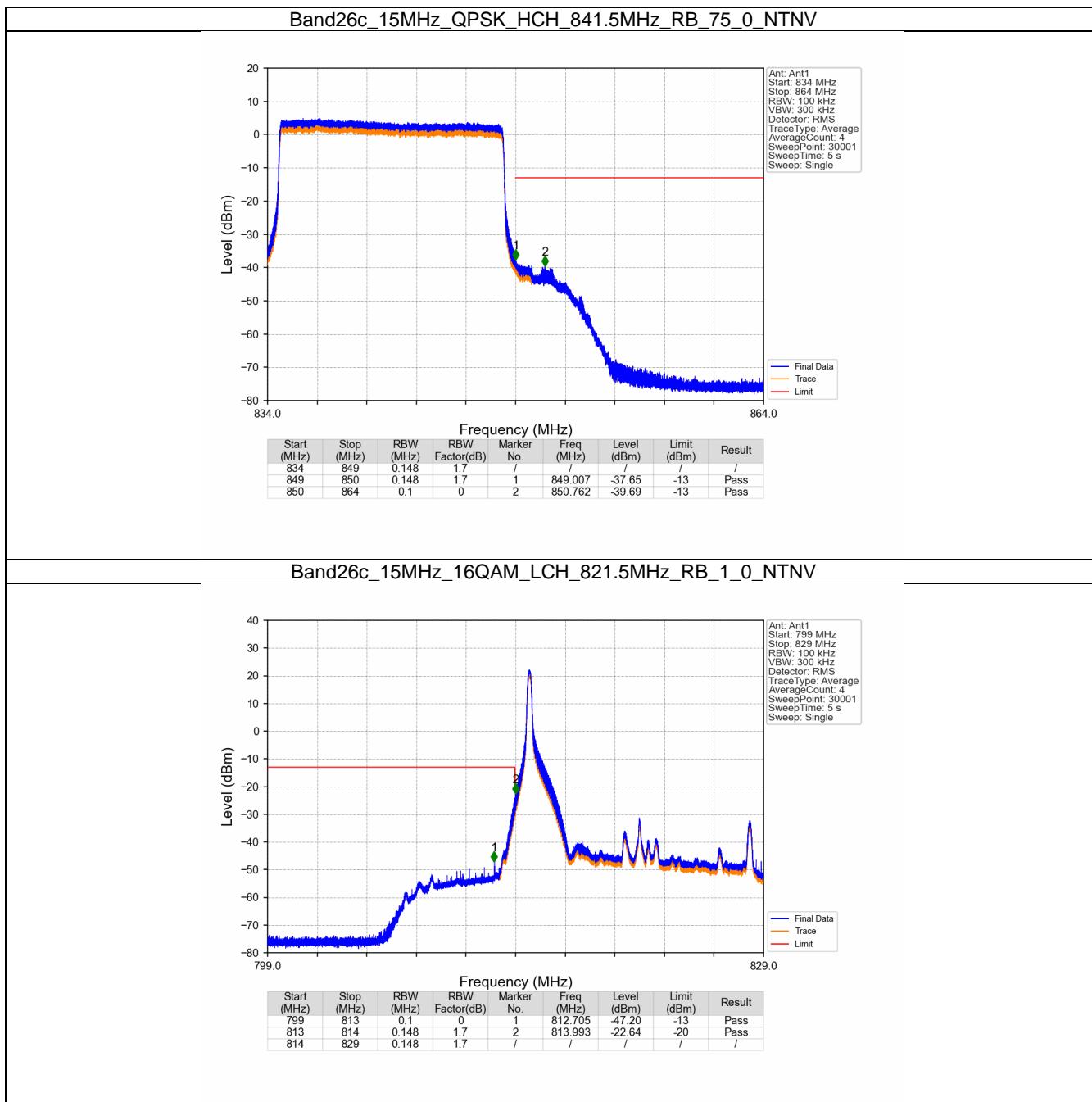
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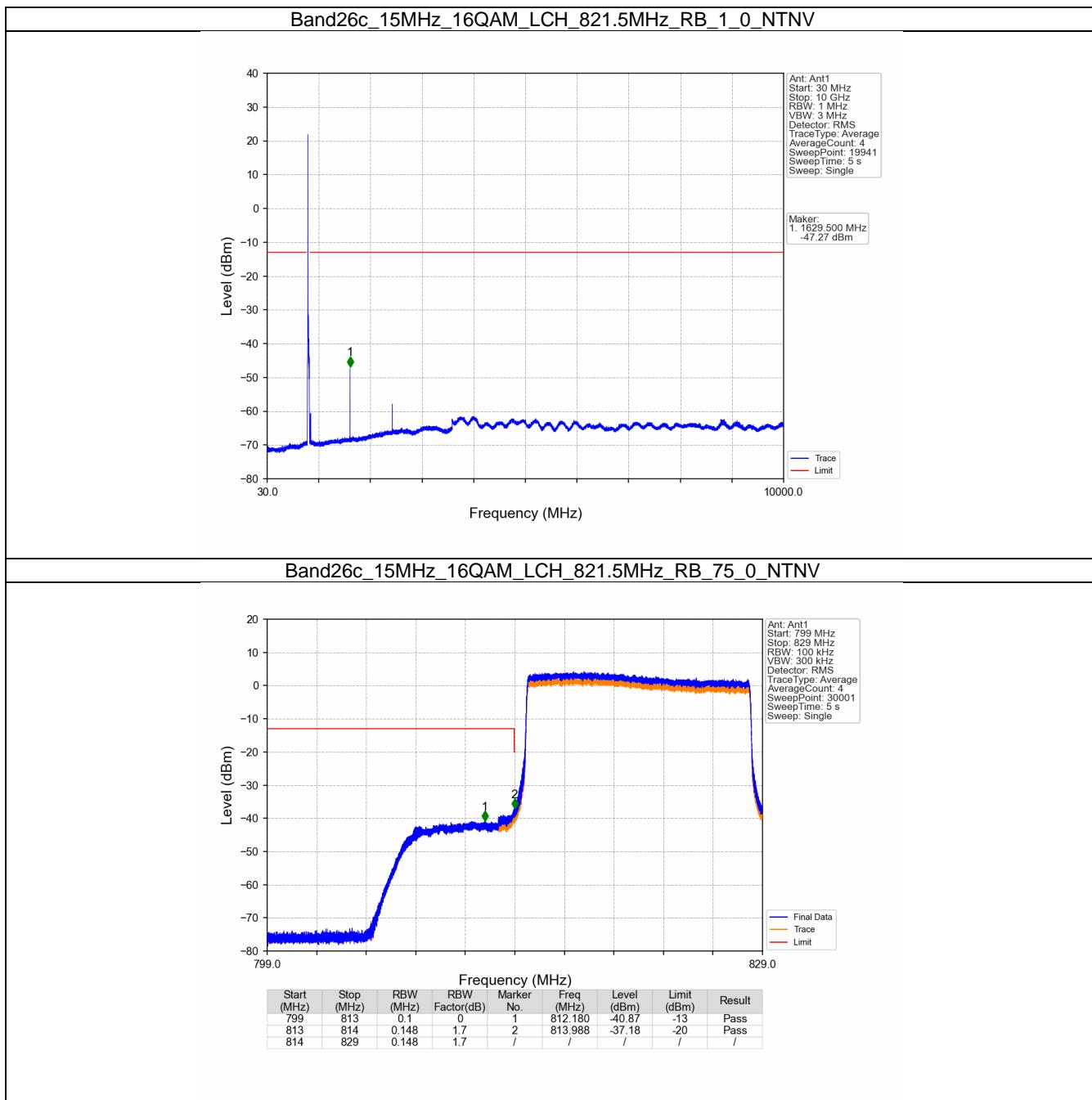


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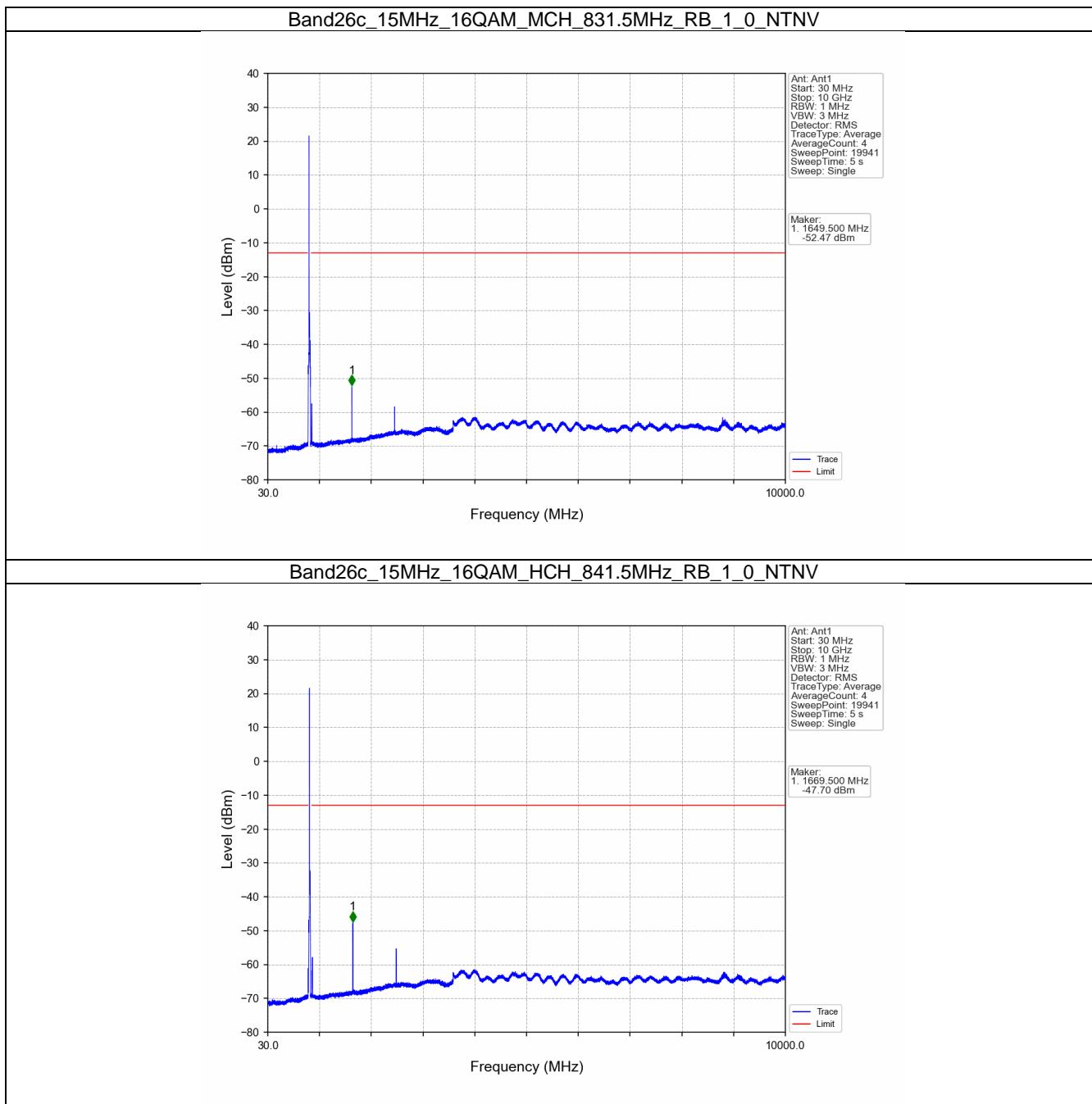
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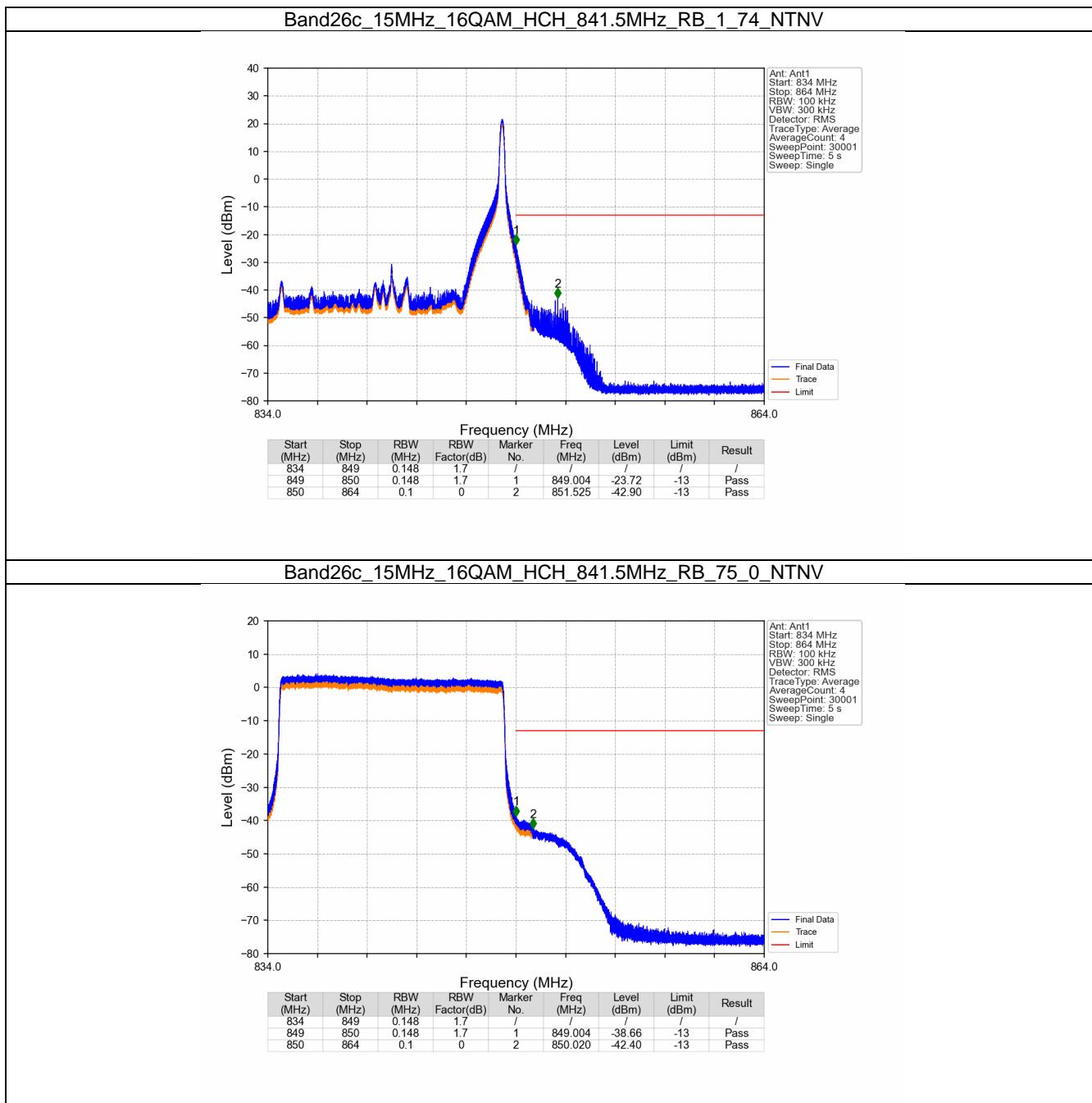
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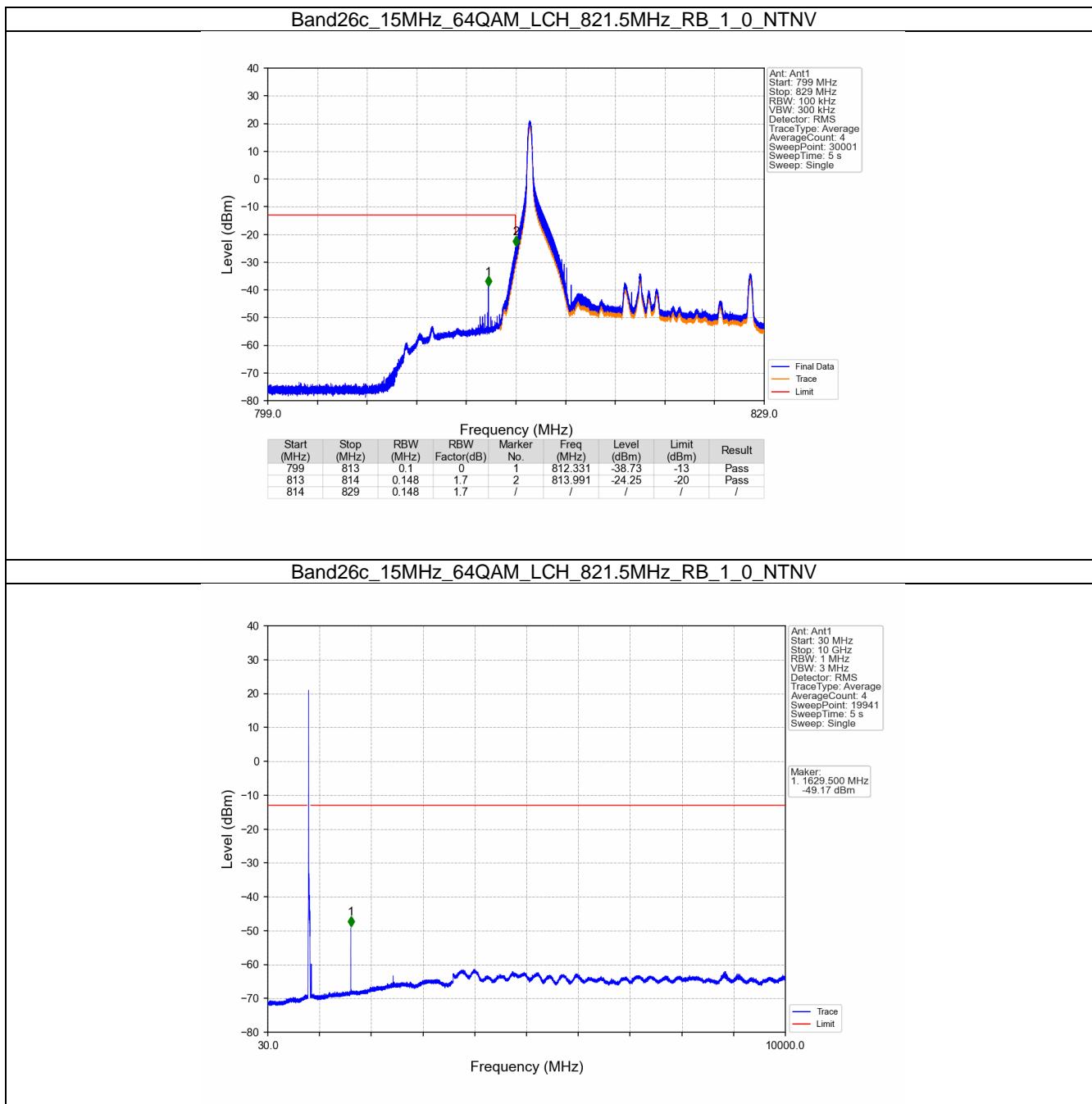
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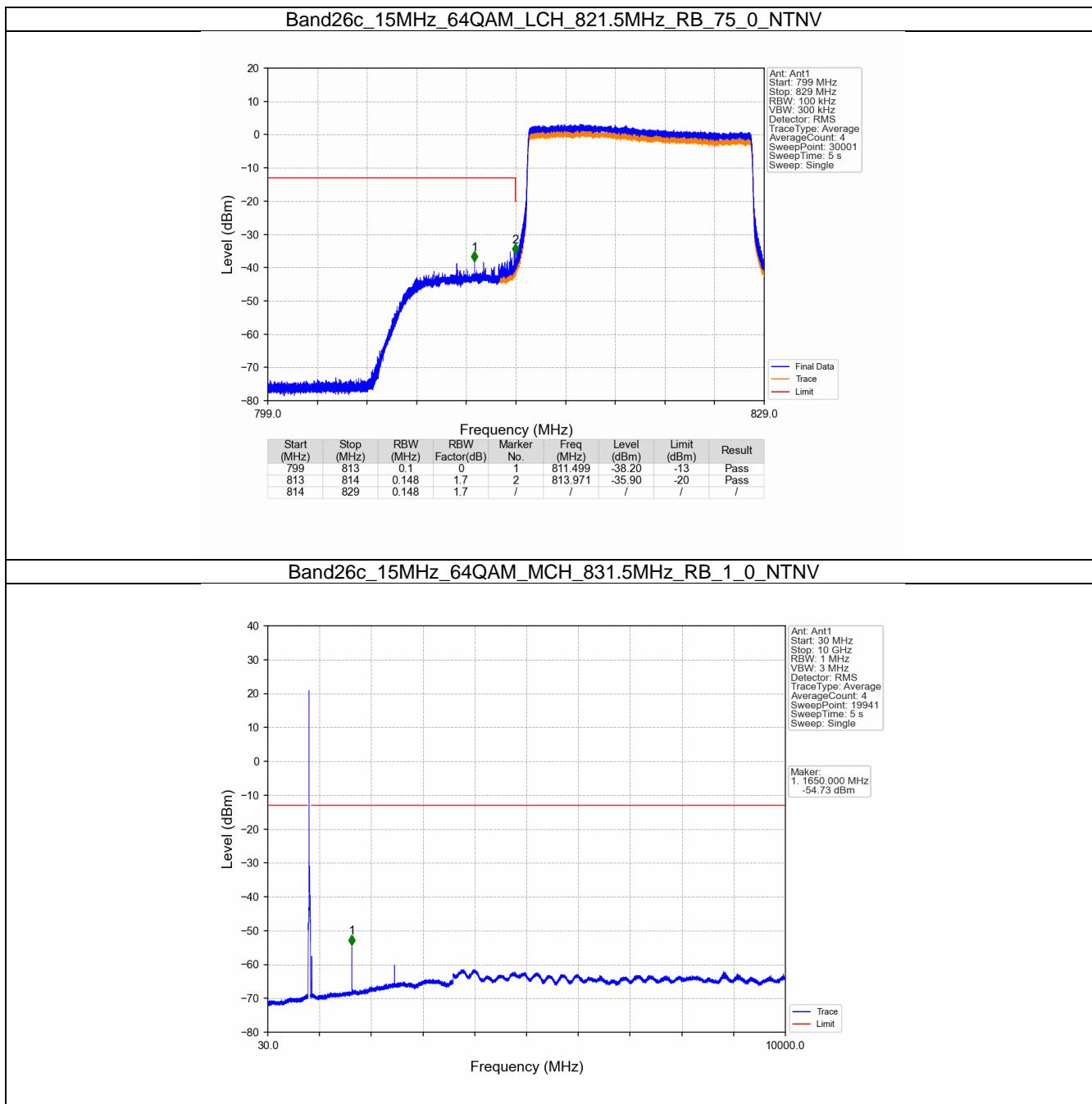


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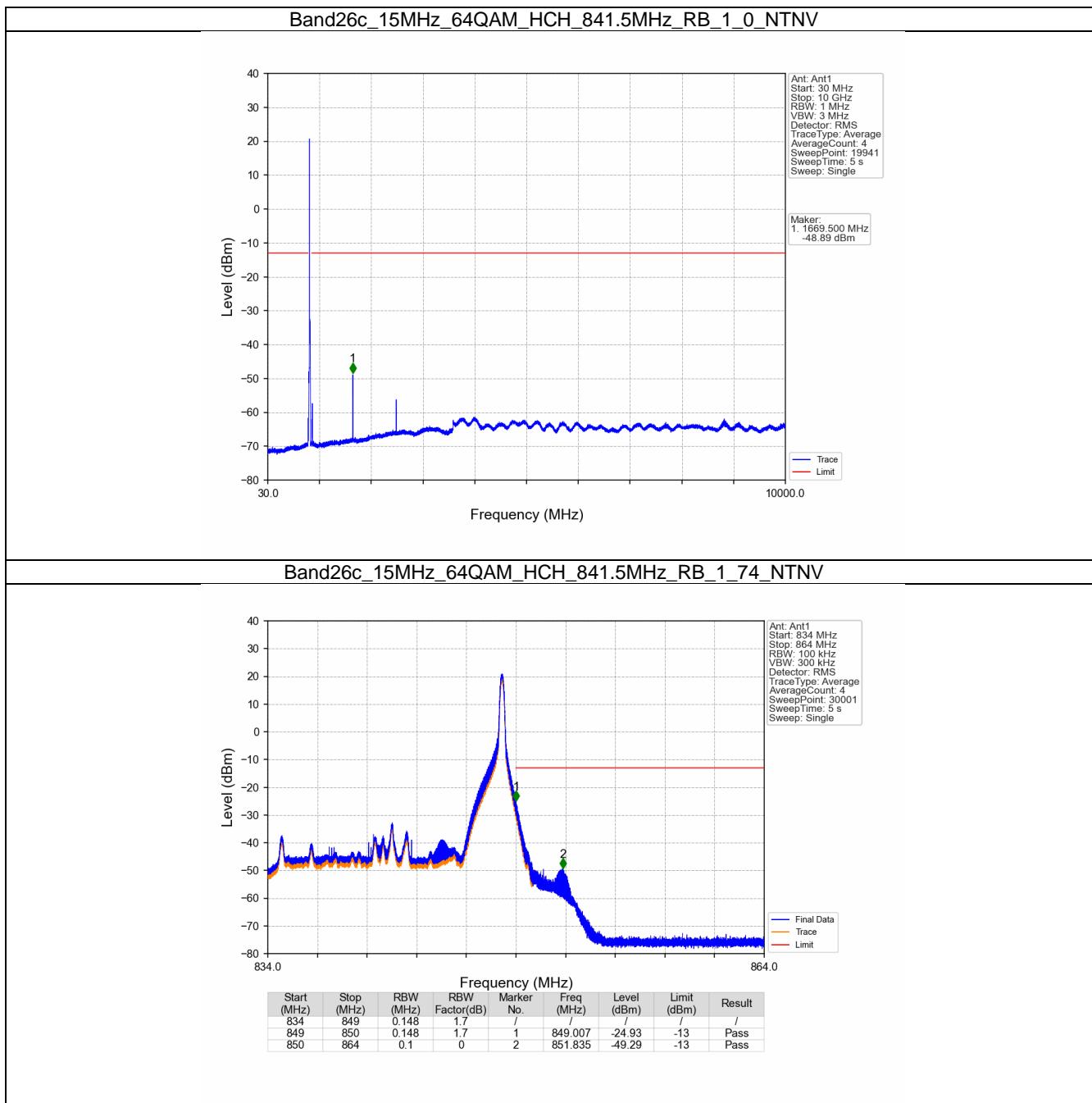
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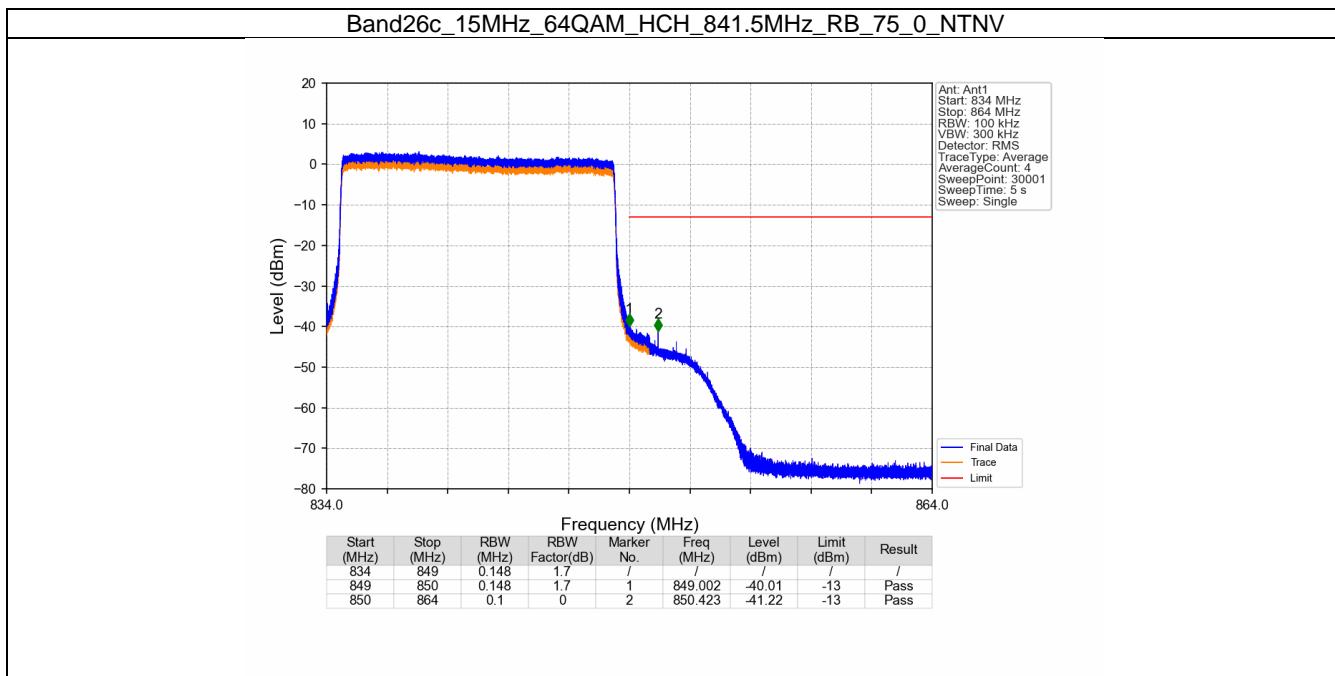
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