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# Appendix B.13

## LTE Band 26(814-824)



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1. Transmitter Conducted Power Output

1.1 B26a\_1.4MHz\_ERP

1.1.1 Test Result

Band: 26a / Bandwidth: 1.4MHz / NTNv									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	814.7	1	0	23.48	-1.60	/	<=38.45	Pass	
			2	23.39	-1.60	/	<=38.45	Pass	
			5	23.52	-1.60	/	<=38.45	Pass	
		3	0	23.52	-1.60	/	<=38.45	Pass	
			2	23.50	-1.60	/	<=38.45	Pass	
			3	23.59	-1.60	/	<=38.45	Pass	
		6	0	22.53	-1.60	/	<=38.45	Pass	
			1	0	23.47	-1.60	/	<=38.45	Pass
				2	23.37	-1.60	/	<=38.45	Pass
	5	23.49		-1.60	/	<=38.45	Pass		
	819	3	0	23.50	-1.60	/	<=38.45	Pass	
			2	23.51	-1.60	/	<=38.45	Pass	
			3	23.60	-1.60	/	<=38.45	Pass	
		6	0	22.53	-1.60	/	<=38.45	Pass	
			1	0	23.42	-1.60	/	<=38.45	Pass
				2	23.34	-1.60	/	<=38.45	Pass
	5	23.45		-1.60	/	<=38.45	Pass		
	823.3	3	0	23.48	-1.60	/	<=38.45	Pass	
			2	23.50	-1.60	/	<=38.45	Pass	
			3	23.60	-1.60	/	<=38.45	Pass	
		6	0	22.50	-1.60	/	<=38.45	Pass	
			1	0	22.53	-1.60	/	<=38.45	Pass
				2	22.54	-1.60	/	<=38.45	Pass
	5	22.70		-1.60	/	<=38.45	Pass		
16QAM	814.7	3	0	22.70	-1.60	/	<=38.45	Pass	
			2	22.58	-1.60	/	<=38.45	Pass	
			3	22.45	-1.60	/	<=38.45	Pass	
		6	0	21.52	-1.60	/	<=38.45	Pass	
			1	0	22.54	-1.60	/	<=38.45	Pass
				2	22.53	-1.60	/	<=38.45	Pass
	5	22.66		-1.60	/	<=38.45	Pass		
	819	3	0	22.69	-1.60	/	<=38.45	Pass	
			2	22.55	-1.60	/	<=38.45	Pass	
			3	22.53	-1.60	/	<=38.45	Pass	
		6	0	21.55	-1.60	/	<=38.45	Pass	
			1	0	22.49	-1.60	/	<=38.45	Pass
				2	22.52	-1.60	/	<=38.45	Pass
	823.3	3		5	22.67	-1.60	/	<=38.45	Pass
			0	22.67	-1.60	/	<=38.45	Pass	



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			2	22.54	-1.60	/	<=38.45	Pass	
			3	22.50	-1.60	/	<=38.45	Pass	
		6	0	21.55	-1.60	/	<=38.45	Pass	
64QAM	814.7	1	0	21.34	-1.60	/	<=38.45	Pass	
			2	21.55	-1.60	/	<=38.45	Pass	
			5	21.87	-1.60	/	<=38.45	Pass	
		3	0	21.46	-1.60	/	<=38.45	Pass	
			2	21.71	-1.60	/	<=38.45	Pass	
			3	21.72	-1.60	/	<=38.45	Pass	
		6	0	20.58	-1.60	/	<=38.45	Pass	
		819	1	0	21.34	-1.60	/	<=38.45	Pass
				2	21.54	-1.60	/	<=38.45	Pass
	5			21.86	-1.60	/	<=38.45	Pass	
	3		0	21.46	-1.60	/	<=38.45	Pass	
			2	21.73	-1.60	/	<=38.45	Pass	
			3	21.71	-1.60	/	<=38.45	Pass	
	6	0	20.56	-1.60	/	<=38.45	Pass		
	823.3	1	0	21.29	-1.60	/	<=38.45	Pass	
			2	21.52	-1.60	/	<=38.45	Pass	
			5	21.86	-1.60	/	<=38.45	Pass	
		3	0	21.44	-1.60	/	<=38.45	Pass	
			2	21.71	-1.60	/	<=38.45	Pass	
			3	21.74	-1.60	/	<=38.45	Pass	
		6	0	20.57	-1.60	/	<=38.45	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15



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1.2 B26a\_3MHz\_ERP

1.2.1 Test Result

Band: 26a / Bandwidth: 3MHz / NTN											
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict			
		Size	Offset			Result	Limit				
QPSK	815.5	1	0	23.56	-1.60	/	<=38.45	Pass			
			7	23.47	-1.60	/	<=38.45	Pass			
			14	23.39	-1.60	/	<=38.45	Pass			
		8	0	22.51	-1.60	/	<=38.45	Pass			
			4	22.47	-1.60	/	<=38.45	Pass			
			7	22.52	-1.60	/	<=38.45	Pass			
			15	0	22.51	-1.60	/	<=38.45	Pass		
			819	1	0	23.57	-1.60	/	<=38.45	Pass	
					7	23.47	-1.60	/	<=38.45	Pass	
	14	23.41			-1.60	/	<=38.45	Pass			
	8	0		22.47	-1.60	/	<=38.45	Pass			
		4		22.48	-1.60	/	<=38.45	Pass			
		7		22.52	-1.60	/	<=38.45	Pass			
	15	0	22.50	-1.60	/	<=38.45	Pass				
	822.5	1	0	23.56	-1.60	/	<=38.45	Pass			
			7	23.44	-1.60	/	<=38.45	Pass			
			14	23.38	-1.60	/	<=38.45	Pass			
		8	0	22.49	-1.60	/	<=38.45	Pass			
			4	22.47	-1.60	/	<=38.45	Pass			
			7	22.51	-1.60	/	<=38.45	Pass			
			15	0	22.49	-1.60	/	<=38.45	Pass		
			16QAM	815.5	1	0	22.58	-1.60	/	<=38.45	Pass
						7	22.71	-1.60	/	<=38.45	Pass
	14	22.97				-1.60	/	<=38.45	Pass		
8	0	21.58			-1.60	/	<=38.45	Pass			
	4	21.48			-1.60	/	<=38.45	Pass			
	7	21.64			-1.60	/	<=38.45	Pass			
	15	0			21.56	-1.60	/	<=38.45	Pass		
	819	1			0	22.54	-1.60	/	<=38.45	Pass	
					7	22.70	-1.60	/	<=38.45	Pass	
14				22.96	-1.60	/	<=38.45	Pass			
822.5	8	0		21.56	-1.60	/	<=38.45	Pass			
		4		21.48	-1.60	/	<=38.45	Pass			
		7	21.64	-1.60	/	<=38.45	Pass				
	1	0	21.58	-1.60	/	<=38.45	Pass				
		7	22.56	-1.60	/	<=38.45	Pass				
		14	22.68	-1.60	/	<=38.45	Pass				
8	0	21.59	-1.60	/	<=38.45	Pass					
	4	21.47	-1.60	/	<=38.45	Pass					
	7	21.63	-1.60	/	<=38.45	Pass					



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64QAM	815.5	15	0	21.57	-1.60	/	<=38.45	Pass	
			1	0	21.55	-1.60	/	<=38.45	Pass
				7	21.78	-1.60	/	<=38.45	Pass
		8	14	21.29	-1.60	/	<=38.45	Pass	
			0	20.44	-1.60	/	<=38.45	Pass	
			4	20.65	-1.60	/	<=38.45	Pass	
	819	15	7	20.52	-1.60	/	<=38.45	Pass	
			0	20.66	-1.60	/	<=38.45	Pass	
			0	21.54	-1.60	/	<=38.45	Pass	
		1	7	21.78	-1.60	/	<=38.45	Pass	
			14	21.27	-1.60	/	<=38.45	Pass	
			0	20.43	-1.60	/	<=38.45	Pass	
	822.5	8	4	20.65	-1.60	/	<=38.45	Pass	
			7	20.51	-1.60	/	<=38.45	Pass	
			15	20.66	-1.60	/	<=38.45	Pass	
		1	0	21.55	-1.60	/	<=38.45	Pass	
			7	21.80	-1.60	/	<=38.45	Pass	
			14	21.27	-1.60	/	<=38.45	Pass	
	8	0	20.47	-1.60	/	<=38.45	Pass		
		4	20.65	-1.60	/	<=38.45	Pass		
		7	20.50	-1.60	/	<=38.45	Pass		
	15	0	20.66	-1.60	/	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15



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1.3 B26a\_5MHz\_ERP

1.3.1 Test Result

Band: 26a / Bandwidth: 5MHz / NTN											
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict			
		Size	Offset			Result	Limit				
QPSK	816.5	1	0	23.67	-1.60	/	<=38.45	Pass			
			13	23.56	-1.60	/	<=38.45	Pass			
			24	23.55	-1.60	/	<=38.45	Pass			
		12	0	22.52	-1.60	/	<=38.45	Pass			
			6	22.52	-1.60	/	<=38.45	Pass			
			13	22.55	-1.60	/	<=38.45	Pass			
			25	0	22.58	-1.60	/	<=38.45	Pass		
			819	1	0	23.59	-1.60	/	<=38.45	Pass	
					13	23.56	-1.60	/	<=38.45	Pass	
	24	23.51			-1.60	/	<=38.45	Pass			
	12	0		22.52	-1.60	/	<=38.45	Pass			
		6		22.53	-1.60	/	<=38.45	Pass			
		13		22.55	-1.60	/	<=38.45	Pass			
	25	0	22.58	-1.60	/	<=38.45	Pass				
	821.5	1	0	23.57	-1.60	/	<=38.45	Pass			
			13	23.65	-1.60	/	<=38.45	Pass			
			24	23.58	-1.60	/	<=38.45	Pass			
		12	0	22.58	-1.60	/	<=38.45	Pass			
			6	22.54	-1.60	/	<=38.45	Pass			
			13	22.54	-1.60	/	<=38.45	Pass			
			25	0	22.60	-1.60	/	<=38.45	Pass		
			16QAM	816.5	1	0	22.67	-1.60	/	<=38.45	Pass
						13	22.74	-1.60	/	<=38.45	Pass
	24	22.44				-1.60	/	<=38.45	Pass		
12	0	21.55			-1.60	/	<=38.45	Pass			
	6	21.59			-1.60	/	<=38.45	Pass			
	13	21.58			-1.60	/	<=38.45	Pass			
	25	0			21.62	-1.60	/	<=38.45	Pass		
	819	1			0	22.64	-1.60	/	<=38.45	Pass	
					13	22.45	-1.60	/	<=38.45	Pass	
24				22.71	-1.60	/	<=38.45	Pass			
12		0		21.57	-1.60	/	<=38.45	Pass			
		6		21.57	-1.60	/	<=38.45	Pass			
		13		21.59	-1.60	/	<=38.45	Pass			
25	0	21.61		-1.60	/	<=38.45	Pass				
821.5	1	0		22.46	-1.60	/	<=38.45	Pass			
		13		22.64	-1.60	/	<=38.45	Pass			
		24		22.78	-1.60	/	<=38.45	Pass			
	12	0		21.63	-1.60	/	<=38.45	Pass			
		6		21.60	-1.60	/	<=38.45	Pass			
		13		21.62	-1.60	/	<=38.45	Pass			



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		25	0	21.65	-1.60	/	<=38.45	Pass
64QAM	816.5	1	0	21.68	-1.60	/	<=38.45	Pass
			13	21.50	-1.60	/	<=38.45	Pass
			24	21.76	-1.60	/	<=38.45	Pass
		12	0	20.58	-1.60	/	<=38.45	Pass
			6	20.49	-1.60	/	<=38.45	Pass
			13	20.68	-1.60	/	<=38.45	Pass
	25	0	20.62	-1.60	/	<=38.45	Pass	
	819	1	0	21.72	-1.60	/	<=38.45	Pass
			13	21.64	-1.60	/	<=38.45	Pass
			24	21.51	-1.60	/	<=38.45	Pass
		12	0	20.69	-1.60	/	<=38.45	Pass
			6	20.59	-1.60	/	<=38.45	Pass
			13	20.54	-1.60	/	<=38.45	Pass
	25	0	20.62	-1.60	/	<=38.45	Pass	
	821.5	1	0	21.80	-1.60	/	<=38.45	Pass
			13	21.68	-1.60	/	<=38.45	Pass
			24	21.50	-1.60	/	<=38.45	Pass
		12	0	20.73	-1.60	/	<=38.45	Pass
			6	20.60	-1.60	/	<=38.45	Pass
			13	20.53	-1.60	/	<=38.45	Pass
	25	0	20.61	-1.60	/	<=38.45	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15



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1.4 B26a\_10MHz\_ERP

1.4.1 Test Result

Band: 26a / Bandwidth: 10MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	819	1	0	23.54	-1.60	/	<=38.45	Pass		
			25	23.62	-1.60	/	<=38.45	Pass		
			49	23.52	-1.60	/	<=38.45	Pass		
		25	0	22.58	-1.60	/	<=38.45	Pass		
			13	22.59	-1.60	/	<=38.45	Pass		
			25	22.60	-1.60	/	<=38.45	Pass		
		50	0	22.58	-1.60	/	<=38.45	Pass		
		16QAM	819	1	0	23.13	-1.60	/	<=38.45	Pass
					25	22.64	-1.60	/	<=38.45	Pass
49	22.75				-1.60	/	<=38.45	Pass		
25	0			21.65	-1.60	/	<=38.45	Pass		
	13			21.69	-1.60	/	<=38.45	Pass		
	25			21.60	-1.60	/	<=38.45	Pass		
50	0			21.59	-1.60	/	<=38.45	Pass		
64QAM	819			1	0	21.45	-1.60	/	<=38.45	Pass
					25	21.63	-1.60	/	<=38.45	Pass
		49	21.85		-1.60	/	<=38.45	Pass		
		25	0	20.66	-1.60	/	<=38.45	Pass		
			13	20.69	-1.60	/	<=38.45	Pass		
			25	20.63	-1.60	/	<=38.45	Pass		
		50	0	20.60	-1.60	/	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15



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2. Frequency Stability

2.1 B26a\_1.4MHz

2.1.1 Test Result

Band: 26a / Bandwidth: 1.4MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	814.7	6	0	20	3.5	3.254	0.0040	/	Pass	
					3.87	-1.277	-0.0016	/	Pass	
					4.45	-2.104	-0.0026	/	Pass	
				-30	3.87	4.321	0.0053	/	Pass	
					-20	3.87	0.386	0.0005	/	Pass
						-10	3.87	-0.998	-0.0012	/
				0	3.87	-1.104	-0.0014	/	Pass	
				10	3.87	-1.020	-0.0013	/	Pass	
				30	3.87	-1.999	-0.0025	/	Pass	
	40	3.87	1.478	0.0018	/	Pass				
	50	3.87	0.710	0.0009	/	Pass				
	819	6	0	20	3.5	0.204	0.0002	/	Pass	
					3.87	1.069	0.0013	/	Pass	
					4.45	-3.775	-0.0046	/	Pass	
				-30	3.87	2.013	0.0025	/	Pass	
					-20	3.87	-2.226	-0.0027	/	Pass
						-10	3.87	1.575	0.0019	/
				0	3.87	0.979	0.0012	/	Pass	
				10	3.87	-3.346	-0.0041	/	Pass	
				30	3.87	-1.817	-0.0022	/	Pass	
	40	3.87	-0.098	-0.0001	/	Pass				
	50	3.87	-0.916	-0.0011	/	Pass				
	823.3	6	0	20	3.5	0.882	0.0011	/	Pass	
					3.87	1.248	0.0015	/	Pass	
					4.45	-3.820	-0.0046	/	Pass	
				-30	3.87	0.871	0.0011	/	Pass	
					-20	3.87	-2.090	-0.0025	/	Pass
-10						3.87	-0.754	-0.0009	/	Pass
0				3.87	-5.256	-0.0064	/	Pass		
10				3.87	-0.812	-0.0010	/	Pass		
30				3.87	-3.242	-0.0039	/	Pass		
40	3.87	-2.382	-0.0029	/	Pass					
50	3.87	-2.633	-0.0032	/	Pass					
16QAM	814.7	6	0	20	3.5	-5.128	-0.0063	/	Pass	
					3.87	1.938	0.0024	/	Pass	
					4.45	1.765	0.0022	/	Pass	
				-30	3.87	-2.301	-0.0028	/	Pass	
					-20	3.87	-2.092	-0.0026	/	Pass
-10	3.87	-1.659	-0.0020	/	Pass					



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64QAM				0	3.87	-1.469	-0.0018	/	Pass			
				10	3.87	1.780	0.0022	/	Pass			
				30	3.87	-2.198	-0.0027	/	Pass			
				40	3.87	1.421	0.0017	/	Pass			
				50	3.87	-0.479	-0.0006	/	Pass			
	819	6	0	20	3.5	-0.676	-0.0008	/	Pass			
					3.87	0.549	0.0007	/	Pass			
					4.45	-1.952	-0.0024	/	Pass			
				-30	3.87	0.441	0.0005	/	Pass			
				-20	3.87	-1.897	-0.0023	/	Pass			
				-10	3.87	-0.533	-0.0007	/	Pass			
				0	3.87	-0.436	-0.0005	/	Pass			
				10	3.87	-2.599	-0.0032	/	Pass			
				30	3.87	-4.778	-0.0058	/	Pass			
				40	3.87	2.309	0.0028	/	Pass			
				50	3.87	2.552	0.0031	/	Pass			
				823.3	6	0	20	3.5	-3.509	-0.0043	/	Pass
								3.87	0.006	0.0000	/	Pass
								4.45	1.013	0.0012	/	Pass
							-30	3.87	-0.575	-0.0007	/	Pass
	-20	3.87	-2.548				-0.0031	/	Pass			
	-10	3.87	-2.743				-0.0033	/	Pass			
	0	3.87	0.168				0.0002	/	Pass			
	10	3.87	-1.287				-0.0016	/	Pass			
	30	3.87	-6.357				-0.0077	/	Pass			
	40	3.87	-2.798				-0.0034	/	Pass			
	50	3.87	-2.621				-0.0032	/	Pass			
	814.7	6	0				20	3.5	-3.399	-0.0042	/	Pass
								3.87	-2.323	-0.0029	/	Pass
								4.45	-0.422	-0.0005	/	Pass
							-30	3.87	2.732	0.0034	/	Pass
				-20	3.87	-2.323	-0.0029	/	Pass			
				-10	3.87	-0.892	-0.0011	/	Pass			
				0	3.87	-1.717	-0.0021	/	Pass			
				10	3.87	3.503	0.0043	/	Pass			
30				3.87	-4.698	-0.0058	/	Pass				
40				3.87	-1.606	-0.0020	/	Pass				
50				3.87	-2.407	-0.0030	/	Pass				
819				6	0	20	3.5	-2.175	-0.0027	/	Pass	
							3.87	-1.707	-0.0021	/	Pass	
							4.45	0.650	0.0008	/	Pass	
						-30	3.87	0.238	0.0003	/	Pass	
	-20	3.87	-1.883			-0.0023	/	Pass				
	-10	3.87	-1.572			-0.0019	/	Pass				
	0	3.87	-0.192			-0.0002	/	Pass				
	10	3.87	-0.249			-0.0003	/	Pass				
	30	3.87	-3.310			-0.0040	/	Pass				
	40	3.87	-0.899			-0.0011	/	Pass				
	50	3.87	-3.077			-0.0038	/	Pass				



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823.3	6	0	20	3.5	-0.294	-0.0004	/	Pass
				3.87	-3.730	-0.0045	/	Pass
				4.45	-5.540	-0.0067	/	Pass
			-30	3.87	-1.769	-0.0021	/	Pass
			-20	3.87	-2.438	-0.0030	/	Pass
			-10	3.87	-6.090	-0.0074	/	Pass
			0	3.87	0.316	0.0004	/	Pass
			10	3.87	-4.418	-0.0054	/	Pass
			30	3.87	-3.012	-0.0037	/	Pass
			40	3.87	-1.497	-0.0018	/	Pass
50	3.87	0.596	0.0007	/	Pass			



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2.2 B26a\_3MHz

2.2.1 Test Result

Band: 26a / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	815.5	15	0	20	3.5	-1.302	-0.0016	/	Pass	
					3.87	-0.945	-0.0012	/	Pass	
					4.45	-1.687	-0.0021	/	Pass	
				-30	3.87	-2.247	-0.0028	/	Pass	
					-20	3.87	-0.400	-0.0005	/	Pass
						-10	3.87	-2.202	-0.0027	/
				0	3.87	0.566	0.0007	/	Pass	
				10	3.87	-0.473	-0.0006	/	Pass	
				30	3.87	-0.850	-0.0010	/	Pass	
				40	3.87	2.232	0.0027	/	Pass	
	50	3.87	-1.372	-0.0017	/	Pass				
	819	15	0	20	3.5	-0.461	-0.0006	/	Pass	
					3.87	-2.096	-0.0026	/	Pass	
					4.45	-0.698	-0.0009	/	Pass	
				-30	3.87	-1.142	-0.0014	/	Pass	
					-20	3.87	-1.018	-0.0012	/	Pass
						-10	3.87	0.305	0.0004	/
				0	3.87	-3.455	-0.0042	/	Pass	
				10	3.87	0.196	0.0002	/	Pass	
				30	3.87	2.024	0.0025	/	Pass	
				40	3.87	-1.381	-0.0017	/	Pass	
	50	3.87	2.193	0.0027	/	Pass				
	822.5	15	0	20	3.5	2.198	0.0027	/	Pass	
					3.87	1.755	0.0021	/	Pass	
					4.45	1.567	0.0019	/	Pass	
				-30	3.87	0.669	0.0008	/	Pass	
					-20	3.87	-0.206	-0.0003	/	Pass
						-10	3.87	0.323	0.0004	/
				0	3.87	-0.074	-0.0001	/	Pass	
				10	3.87	-1.375	-0.0017	/	Pass	
30				3.87	-2.491	-0.0030	/	Pass		
40				3.87	-2.041	-0.0025	/	Pass		
50	3.87	2.235	0.0027	/	Pass					
16QAM	815.5	15	0	20	3.5	-1.229	-0.0015	/	Pass	
					3.87	0.399	0.0005	/	Pass	
					4.45	-1.323	-0.0016	/	Pass	
				-30	3.87	0.596	0.0007	/	Pass	
					-20	3.87	-4.115	-0.0050	/	Pass
						-10	3.87	2.573	0.0032	/
				0	3.87	-0.329	-0.0004	/	Pass	
				10	3.87	1.934	0.0024	/	Pass	



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				30	3.87	1.852	0.0023	/	Pass									
				40	3.87	-1.725	-0.0021	/	Pass									
				50	3.87	-0.017	0.0000	/	Pass									
819	15	0		20	3.5	1.451	0.0018	/	Pass									
					3.87	1.404	0.0017	/	Pass									
					4.45	-1.218	-0.0015	/	Pass									
								-30	3.87	-0.545	-0.0007	/	Pass					
									-20	3.87	3.509	0.0043	/	Pass				
									-10	3.87	-0.309	-0.0004	/	Pass				
									0	3.87	-2.469	-0.0030	/	Pass				
									10	3.87	0.016	0.0000	/	Pass				
									30	3.87	-0.619	-0.0008	/	Pass				
									40	3.87	0.244	0.0003	/	Pass				
									50	3.87	0.242	0.0003	/	Pass				
									822.5	15	0		20	3.5	4.828	0.0059	/	Pass
3.87	2.114	0.0026	/											Pass				
4.45	2.241	0.0027	/	Pass														
				-30	3.87	1.491	0.0018	/					Pass					
					-20	3.87	2.761	0.0034					/	Pass				
					-10	3.87	4.127	0.0050					/	Pass				
					0	3.87	-1.770	-0.0022					/	Pass				
					10	3.87	2.439	0.0030					/	Pass				
					30	3.87	4.907	0.0060					/	Pass				
					40	3.87	1.625	0.0020					/	Pass				
					50	3.87	0.389	0.0005	/	Pass								
					64QAM	15	0		20	3.5	-0.136	-0.0002	/	Pass				
										3.87	-0.333	-0.0004	/	Pass				
4.45	1.440	0.0018	/	Pass														
				-30					3.87	4.113	0.0050	/	Pass					
									-20	3.87	-0.765	-0.0009	/	Pass				
									-10	3.87	1.479	0.0018	/	Pass				
									0	3.87	1.232	0.0015	/	Pass				
									10	3.87	0.647	0.0008	/	Pass				
									30	3.87	0.278	0.0003	/	Pass				
									40	3.87	1.265	0.0016	/	Pass				
									50	3.87	0.429	0.0005	/	Pass				
									819	15	0		20	3.5	1.011	0.0012	/	Pass
														3.87	2.416	0.0029	/	Pass
4.45	2.964	0.0036	/	Pass														
				-30									3.87	0.661	0.0008	/	Pass	
					-20	3.87	-2.650	-0.0032					/	Pass				
					-10	3.87	-3.257	-0.0040					/	Pass				
					0	3.87	3.253	0.0040					/	Pass				
					10	3.87	1.293	0.0016					/	Pass				
					30	3.87	-0.307	-0.0004					/	Pass				
					40	3.87	-0.898	-0.0011	/	Pass								
					50	3.87	-1.509	-0.0018	/	Pass								
					822.5	15	0	20	3.5	-3.783	-0.0046	/	Pass					
3.87	-1.267	-0.0015	/	Pass														



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				4.45	-0.657	-0.0008	/	Pass
				-30	3.87	-0.262	/	Pass
				-20	3.87	0.532	/	Pass
				-10	3.87	3.448	/	Pass
				0	3.87	-1.054	/	Pass
				10	3.87	-2.787	/	Pass
				30	3.87	-0.025	/	Pass
				40	3.87	0.525	/	Pass
				50	3.87	2.840	/	Pass



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2.3 B26a\_5MHz

2.3.1 Test Result

Band: 26a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	816.5	25	0	20	3.5	1.430	0.0018	/	Pass
					3.87	0.022	0.0000	/	Pass
					4.45	-0.801	-0.0010	/	Pass
				-30	3.87	3.743	0.0046	/	Pass
				-20	3.87	-0.229	-0.0003	/	Pass
				-10	3.87	-2.314	-0.0028	/	Pass
				0	3.87	1.328	0.0016	/	Pass
				10	3.87	0.448	0.0005	/	Pass
				30	3.87	-3.263	-0.0040	/	Pass
				40	3.87	1.188	0.0015	/	Pass
	50	3.87	-0.198	-0.0002	/	Pass			
	819	25	0	20	3.5	2.000	0.0024	/	Pass
					3.87	-5.332	-0.0065	/	Pass
					4.45	1.161	0.0014	/	Pass
				-30	3.87	-1.034	-0.0013	/	Pass
				-20	3.87	-1.924	-0.0023	/	Pass
				-10	3.87	-0.616	-0.0008	/	Pass
				0	3.87	-1.237	-0.0015	/	Pass
				10	3.87	-0.585	-0.0007	/	Pass
				30	3.87	-0.954	-0.0012	/	Pass
				40	3.87	-5.765	-0.0070	/	Pass
	50	3.87	-2.102	-0.0026	/	Pass			
	821.5	25	0	20	3.5	-2.419	-0.0029	/	Pass
					3.87	1.106	0.0013	/	Pass
					4.45	-0.871	-0.0011	/	Pass
				-30	3.87	2.756	0.0034	/	Pass
				-20	3.87	-5.718	-0.0070	/	Pass
				-10	3.87	1.293	0.0016	/	Pass
				0	3.87	0.249	0.0003	/	Pass
				10	3.87	1.092	0.0013	/	Pass
30				3.87	0.076	0.0001	/	Pass	
40				3.87	-1.433	-0.0017	/	Pass	
50	3.87	-0.437	-0.0005	/	Pass				
16QAM	816.5	25	0	20	3.5	1.835	0.0022	/	Pass
					3.87	1.996	0.0024	/	Pass
					4.45	0.094	0.0001	/	Pass
				-30	3.87	0.261	0.0003	/	Pass
				-20	3.87	0.733	0.0009	/	Pass
				-10	3.87	1.916	0.0023	/	Pass
				0	3.87	1.279	0.0016	/	Pass
				10	3.87	-4.573	-0.0056	/	Pass



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				30	3.87	-0.833	-0.0010	/	Pass	
				40	3.87	-7.657	-0.0094	/	Pass	
				50	3.87	4.803	0.0059	/	Pass	
819	25	0		20	3.5	-0.209	-0.0003	/	Pass	
				20	3.87	2.408	0.0029	/	Pass	
				20	4.45	0.008	0.0000	/	Pass	
				-30	3.87	1.187	0.0014	/	Pass	
				-20	3.87	5.301	0.0065	/	Pass	
				-10	3.87	2.334	0.0028	/	Pass	
				0	3.87	4.113	0.0050	/	Pass	
				10	3.87	-0.972	-0.0012	/	Pass	
				30	3.87	3.295	0.0040	/	Pass	
				40	3.87	-1.453	-0.0018	/	Pass	
				50	3.87	3.608	0.0044	/	Pass	
				821.5	25	0		20	3.5	3.324
20	3.87	2.027	0.0025					/	Pass	
20	4.45	0.542	0.0007					/	Pass	
-30	3.87	2.943	0.0036					/	Pass	
-20	3.87	-0.562	-0.0007					/	Pass	
-10	3.87	2.036	0.0025					/	Pass	
0	3.87	-0.643	-0.0008					/	Pass	
10	3.87	5.098	0.0062					/	Pass	
30	3.87	0.274	0.0003					/	Pass	
40	3.87	-0.542	-0.0007					/	Pass	
50	3.87	3.937	0.0048					/	Pass	
64QAM	816.5	25	0					20	3.5	0.167
				20	3.87	2.028	0.0025	/	Pass	
				20	4.45	3.696	0.0045	/	Pass	
				-30	3.87	1.376	0.0017	/	Pass	
				-20	3.87	-0.643	-0.0008	/	Pass	
				-10	3.87	2.396	0.0029	/	Pass	
				0	3.87	0.016	0.0000	/	Pass	
				10	3.87	-0.919	-0.0011	/	Pass	
				30	3.87	-0.287	-0.0004	/	Pass	
				40	3.87	2.910	0.0036	/	Pass	
				50	3.87	1.883	0.0023	/	Pass	
				819	25	0		20	3.5	-0.293
	20	3.87	0.673					0.0008	/	Pass
	20	4.45	-0.138					-0.0002	/	Pass
	-30	3.87	-0.974					-0.0012	/	Pass
	-20	3.87	0.884					0.0011	/	Pass
	-10	3.87	1.023					0.0012	/	Pass
	0	3.87	0.412					0.0005	/	Pass
	10	3.87	-0.327					-0.0004	/	Pass
	30	3.87	0.432					0.0005	/	Pass
	40	3.87	-1.518					-0.0019	/	Pass
	50	3.87	1.982					0.0024	/	Pass
	821.5	25	0					20	3.5	-1.059
				3.87	2.762	0.0034	/		Pass	



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				4.45	-3.134	-0.0038	/	Pass
			-30	3.87	0.954	0.0012	/	Pass
			-20	3.87	0.118	0.0001	/	Pass
			-10	3.87	0.133	0.0002	/	Pass
			0	3.87	-1.513	-0.0018	/	Pass
			10	3.87	-0.814	-0.0010	/	Pass
			30	3.87	1.177	0.0014	/	Pass
			40	3.87	1.685	0.0021	/	Pass
			50	3.87	0.155	0.0002	/	Pass



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2.4 B26a\_10MHz

2.4.1 Test Result

Band: 26a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	819	50	0	20	3.5	0.648	0.0008	/	Pass
					3.87	0.939	0.0011	/	Pass
					4.45	-2.099	-0.0026	/	Pass
				-30	3.87	-2.111	-0.0026	/	Pass
				-20	3.87	2.720	0.0033	/	Pass
				-10	3.87	-1.447	-0.0018	/	Pass
				0	3.87	0.011	0.0000	/	Pass
				10	3.87	-1.079	-0.0013	/	Pass
				30	3.87	-0.519	-0.0006	/	Pass
				40	3.87	-2.144	-0.0026	/	Pass
16QAM	819	50	0	20	3.5	1.030	0.0013	/	Pass
					3.87	1.546	0.0019	/	Pass
					4.45	4.108	0.0050	/	Pass
				-30	3.87	4.228	0.0052	/	Pass
				-20	3.87	2.181	0.0027	/	Pass
				-10	3.87	-0.063	-0.0001	/	Pass
				0	3.87	2.785	0.0034	/	Pass
				10	3.87	6.132	0.0075	/	Pass
				30	3.87	1.983	0.0024	/	Pass
				40	3.87	1.209	0.0015	/	Pass
64QAM	819	50	0	20	3.5	2.097	0.0026	/	Pass
					3.87	3.422	0.0042	/	Pass
					4.45	2.545	0.0031	/	Pass
				-30	3.87	0.980	0.0012	/	Pass
				-20	3.87	2.344	0.0029	/	Pass
				-10	3.87	3.479	0.0042	/	Pass
				0	3.87	1.514	0.0018	/	Pass
				10	3.87	1.015	0.0012	/	Pass
				30	3.87	0.824	0.0010	/	Pass
				40	3.87	-4.169	-0.0051	/	Pass
50	3.87	2.638	0.0032	/	Pass				



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### 3. 99% & 26dB Bandwidth

#### 3.1 Band26a\_OBW

##### 3.1.1 Test Result

Band: 26a / NTNv							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	814.7	6	0	1.109	/	Pass
		819	6	0	1.109	/	Pass
		823.3	6	0	1.119	/	Pass
	16QAM	814.7	6	0	1.107	/	Pass
		819	6	0	1.115	/	Pass
		823.3	6	0	1.113	/	Pass
	64QAM	814.7	6	0	1.117	/	Pass
		819	6	0	1.116	/	Pass
		823.3	6	0	1.116	/	Pass
3	QPSK	815.5	15	0	2.731	/	Pass
		819	15	0	2.741	/	Pass
		822.5	15	0	2.740	/	Pass
	16QAM	815.5	15	0	2.731	/	Pass
		819	15	0	2.733	/	Pass
		822.5	15	0	2.737	/	Pass
	64QAM	815.5	15	0	2.727	/	Pass
		819	15	0	2.738	/	Pass
		822.5	15	0	2.730	/	Pass
5	QPSK	816.5	25	0	4.555	/	Pass
		819	25	0	4.558	/	Pass
		821.5	25	0	4.568	/	Pass
	16QAM	816.5	25	0	4.552	/	Pass
		819	25	0	4.583	/	Pass
		821.5	25	0	4.572	/	Pass
	64QAM	816.5	25	0	4.553	/	Pass
		819	25	0	4.563	/	Pass
		821.5	25	0	4.559	/	Pass
10	QPSK	819	50	0	9.031	/	Pass
	16QAM	819	50	0	9.049	/	Pass
	64QAM	819	50	0	9.044	/	Pass



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3.2 Band26a\_XDB

3.2.1 Test Result

Band: 26a / NTNv							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	814.7	6	0	1.318	/	Pass
		819	6	0	1.362	/	Pass
		823.3	6	0	1.373	/	Pass
	16QAM	814.7	6	0	1.335	/	Pass
		819	6	0	1.322	/	Pass
		823.3	6	0	1.370	/	Pass
	64QAM	814.7	6	0	1.344	/	Pass
		819	6	0	1.351	/	Pass
		823.3	6	0	1.337	/	Pass
3	QPSK	815.5	15	0	3.036	/	Pass
		819	15	0	3.034	/	Pass
		822.5	15	0	3.050	/	Pass
	16QAM	815.5	15	0	3.033	/	Pass
		819	15	0	3.055	/	Pass
		822.5	15	0	3.059	/	Pass
	64QAM	815.5	15	0	2.993	/	Pass
		819	15	0	3.022	/	Pass
		822.5	15	0	3.012	/	Pass
5	QPSK	816.5	25	0	5.064	/	Pass
		819	25	0	5.065	/	Pass
		821.5	25	0	5.106	/	Pass
	16QAM	816.5	25	0	5.082	/	Pass
		819	25	0	5.091	/	Pass
		821.5	25	0	5.102	/	Pass
	64QAM	816.5	25	0	5.077	/	Pass
		819	25	0	5.078	/	Pass
		821.5	25	0	5.106	/	Pass
10	QPSK	819	50	0	10.007	/	Pass
	16QAM	819	50	0	9.962	/	Pass
	64QAM	819	50	0	9.971	/	Pass



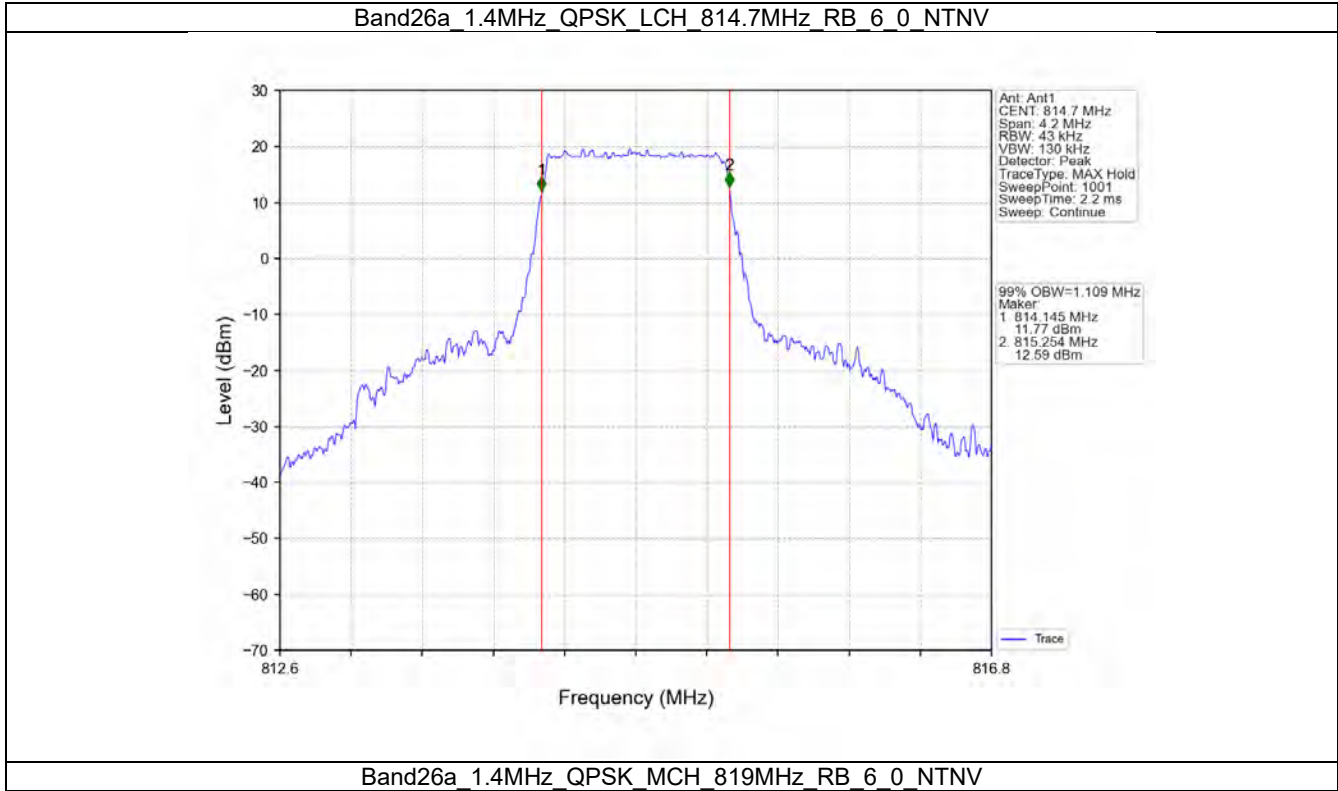
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3.1 Band26a\_OBW

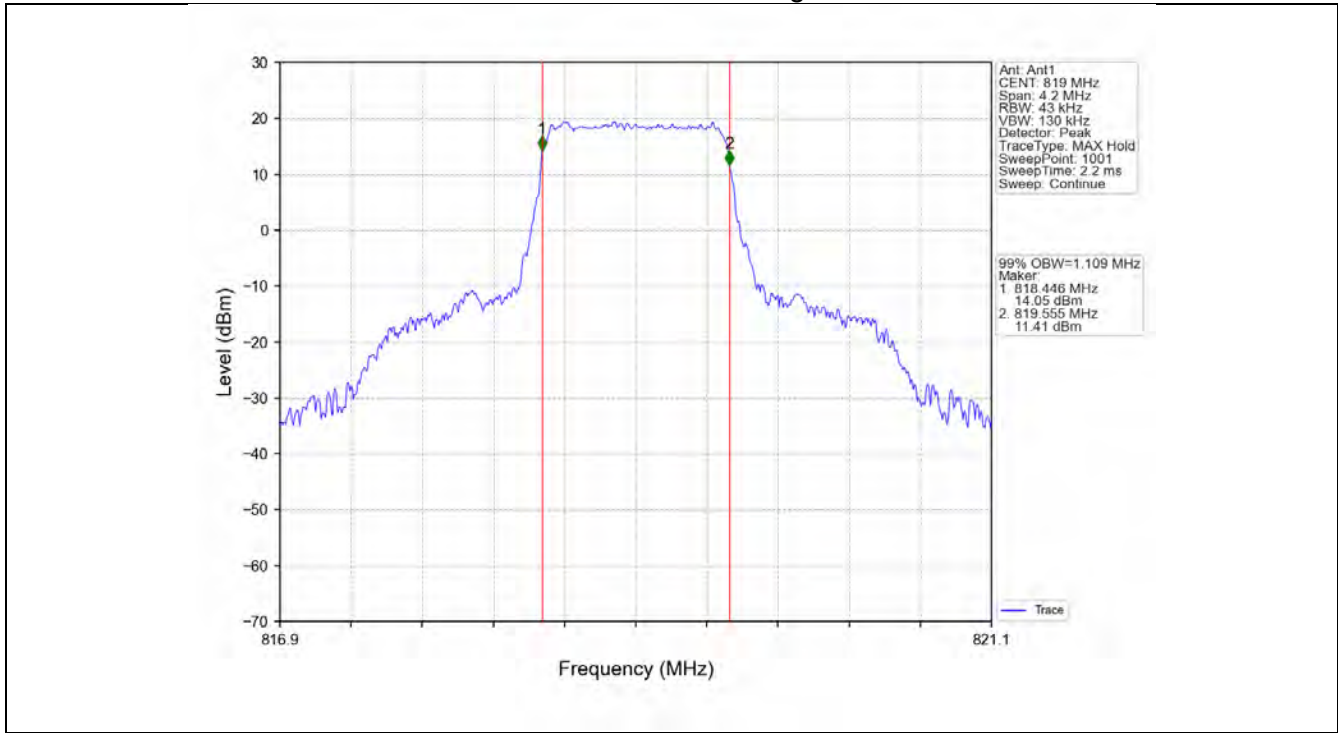
3.1.2 Test Graph



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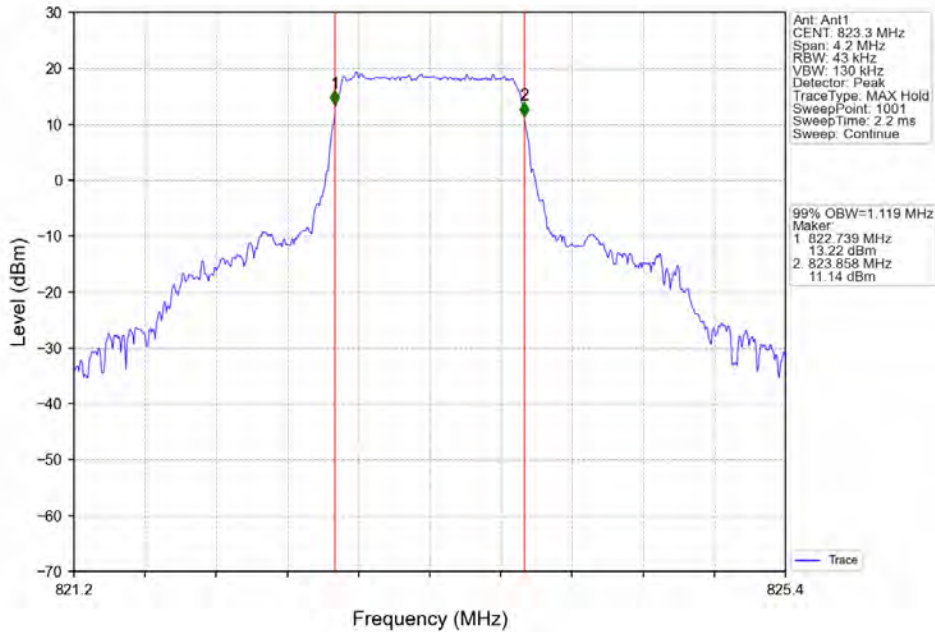


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Band26a 1.4MHz QPSK HCH 823.3MHz\_RB\_6\_0\_NTNV



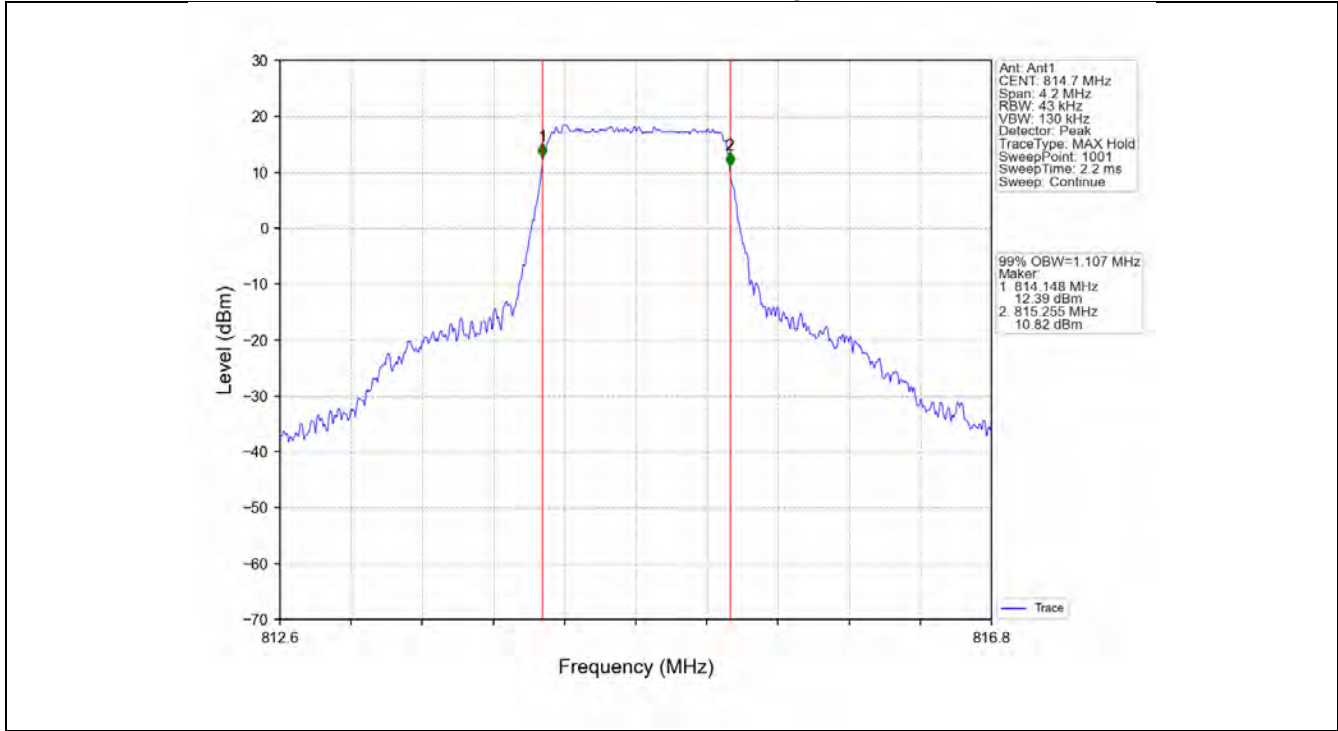
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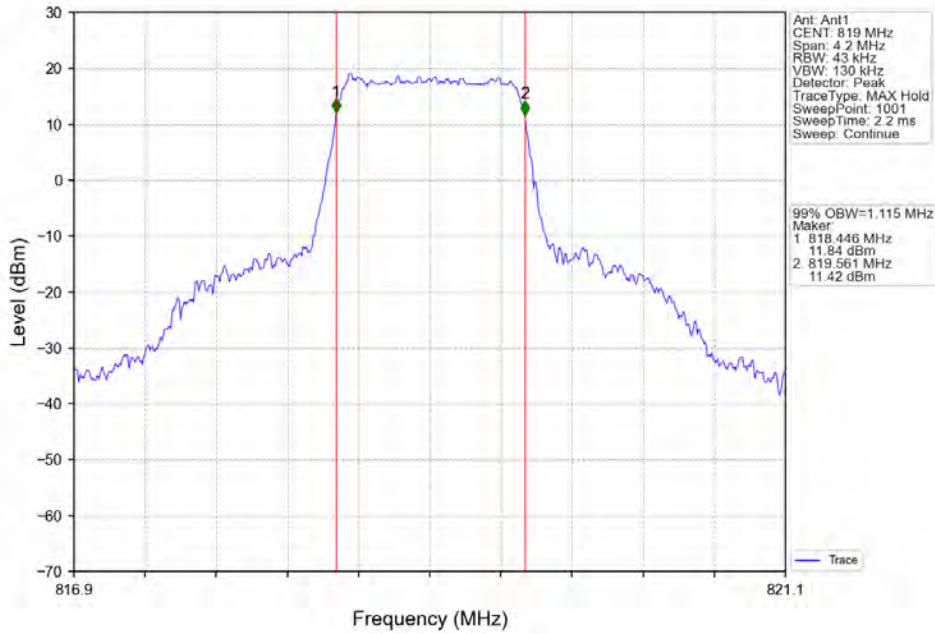
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Band26a 1.4MHz 16QAM MCH 819MHz\_RB\_6\_0\_NTNV



Band26a 1.4MHz 16QAM HCH 823.3MHz\_RB\_6\_0\_NTNV



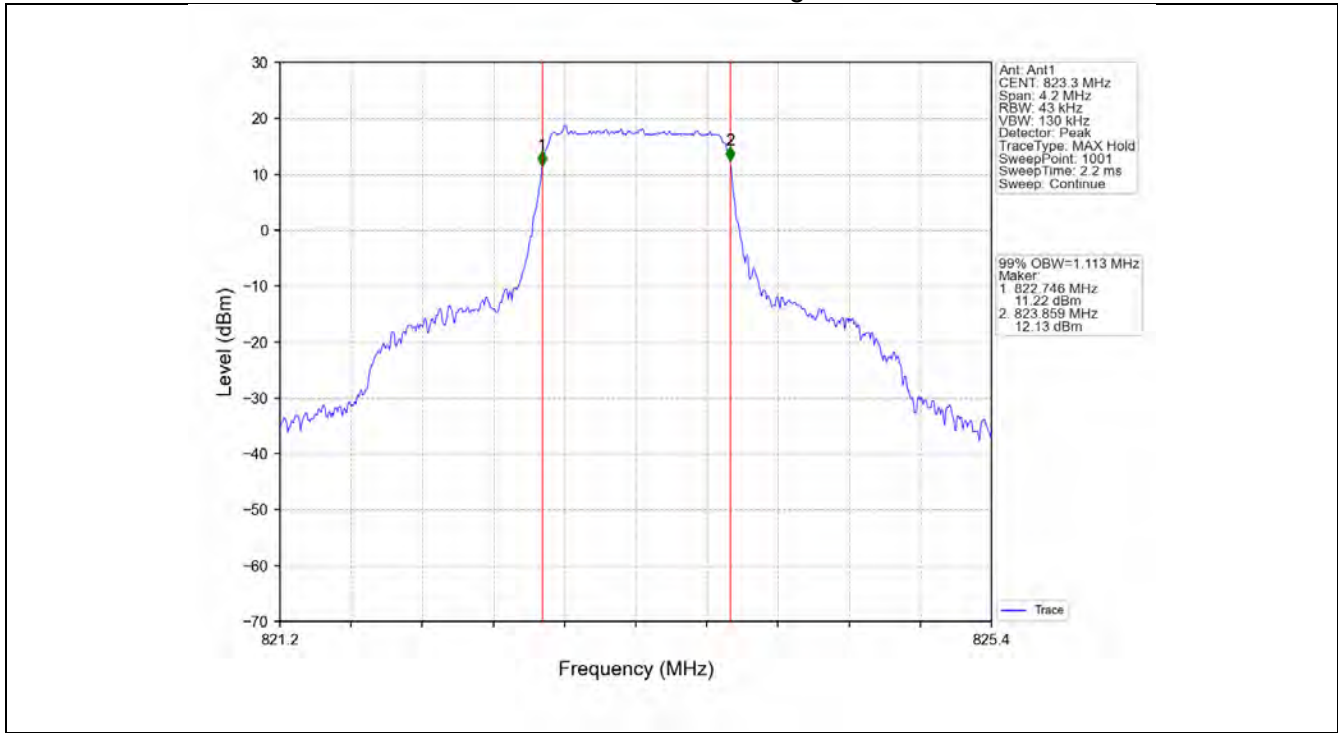
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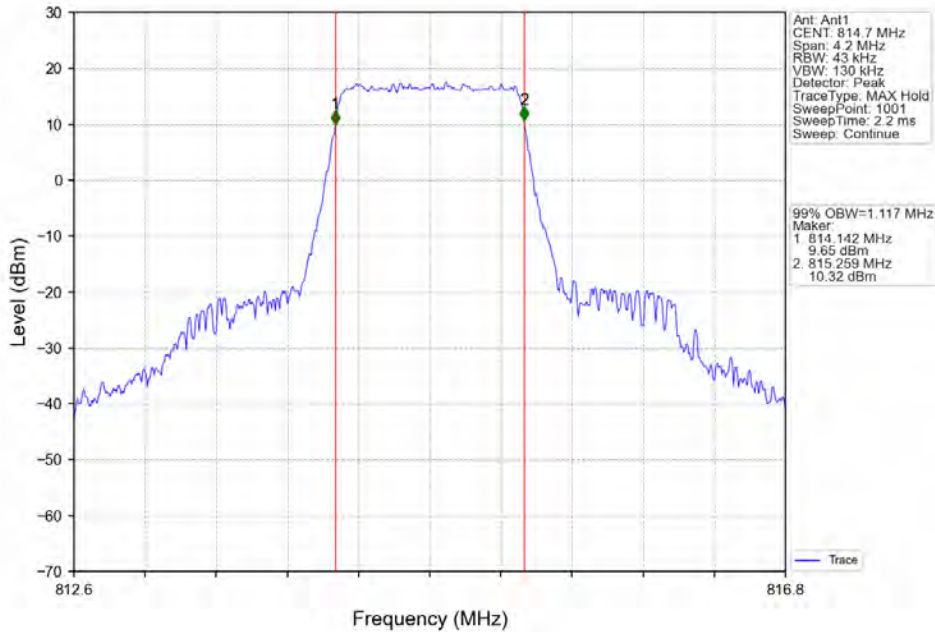


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Band26a\_1.4MHz\_64QAM\_LCH\_814.7MHz\_RB\_6\_0\_NTNV



Band26a\_1.4MHz\_64QAM\_MCH\_819MHz\_RB\_6\_0\_NTNV

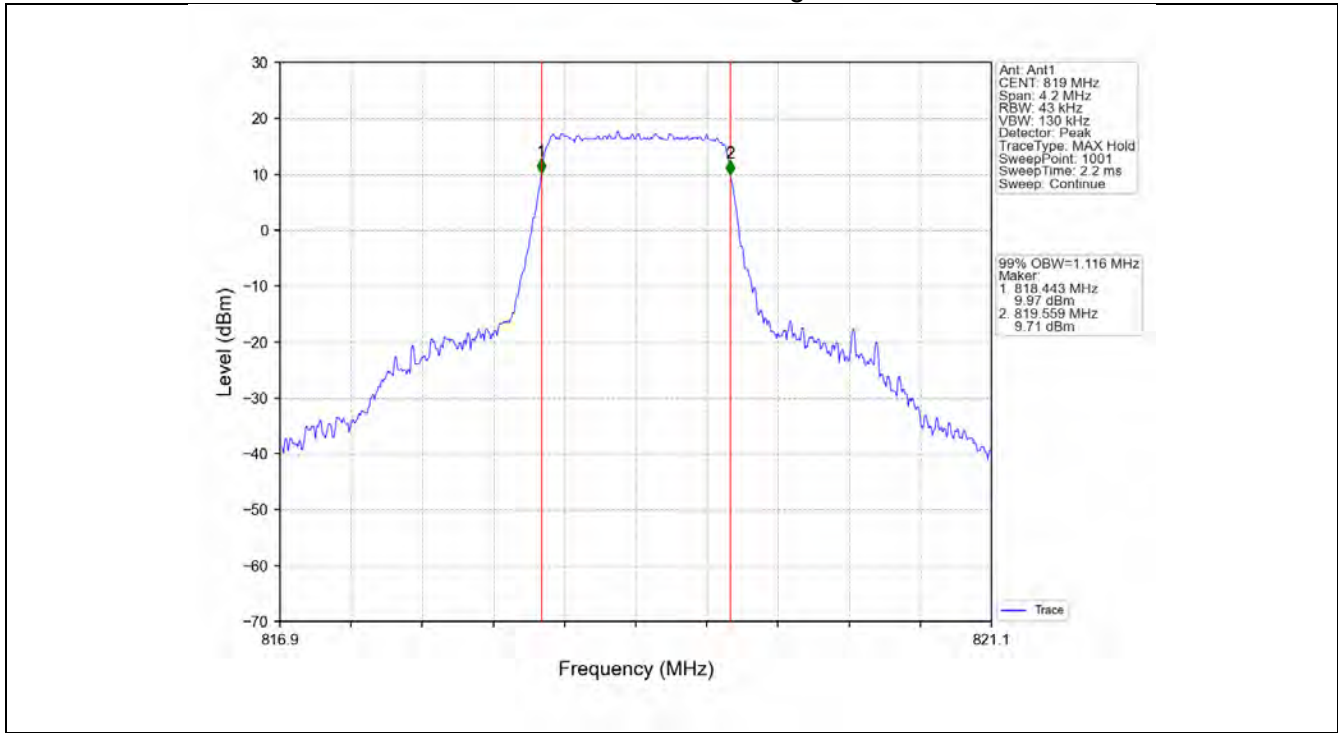


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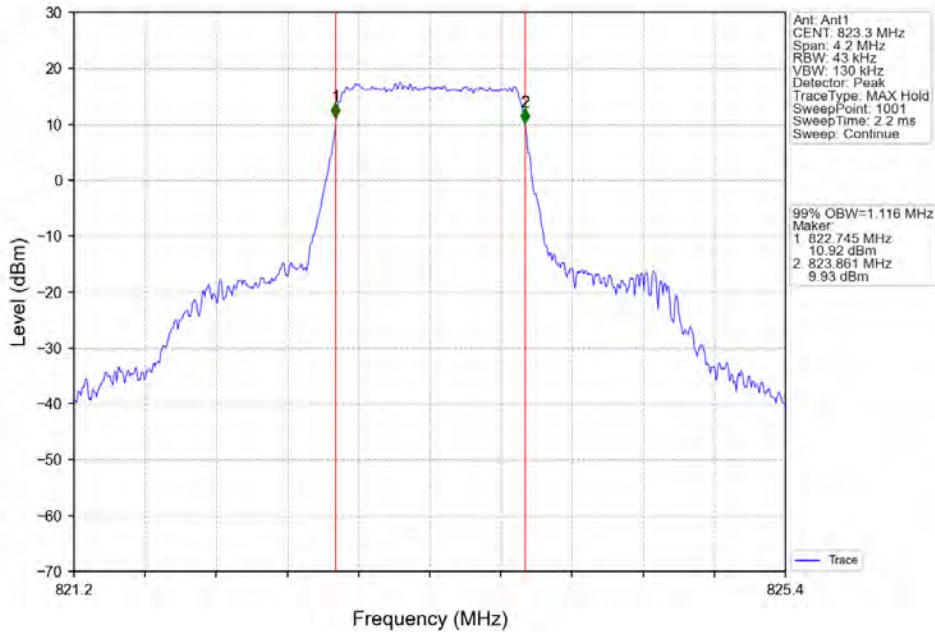


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Band26a\_3MHz\_QPSK\_LCH\_815.5MHz\_RB\_15\_0\_NTNV

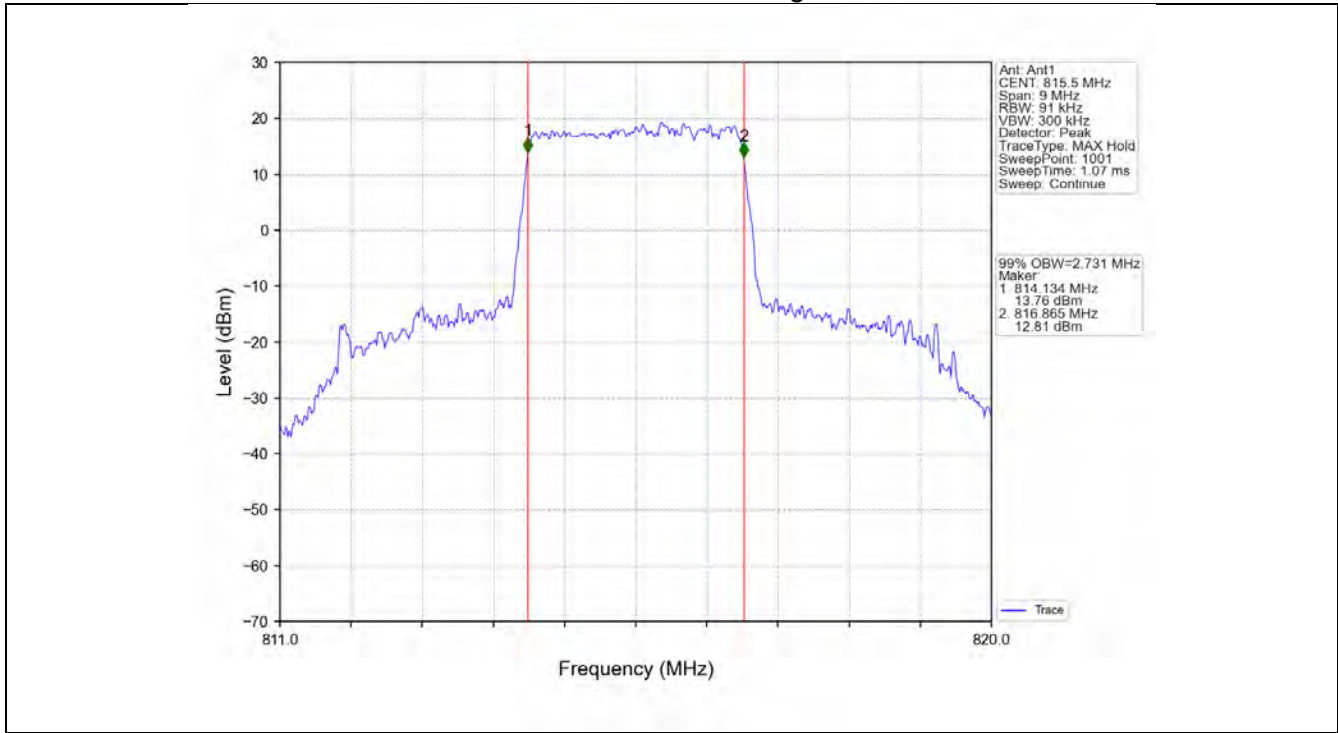


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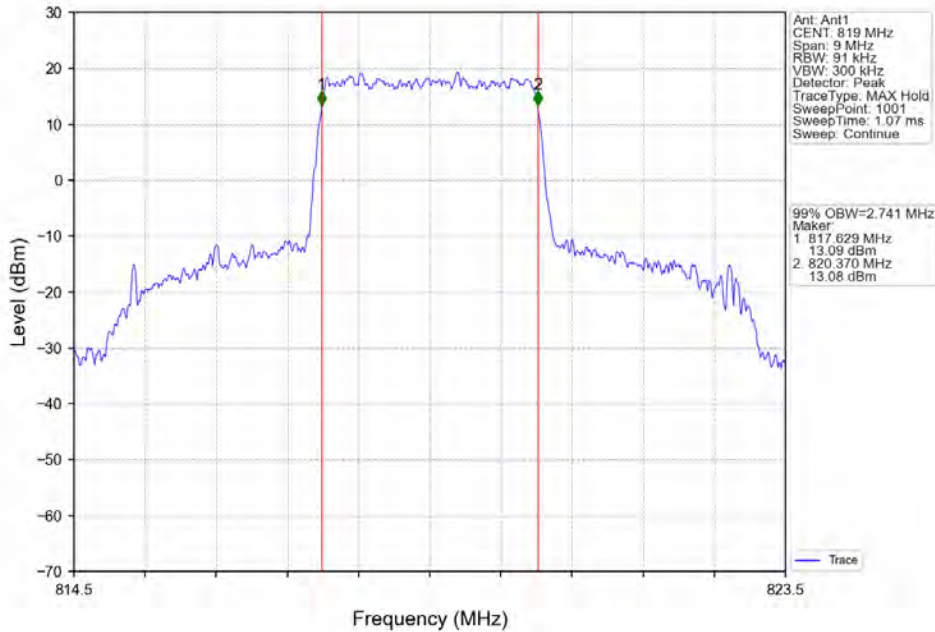


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Band26a\_3MHz\_QPSK\_HCH\_822.5MHz\_RB\_15\_0\_NTNV

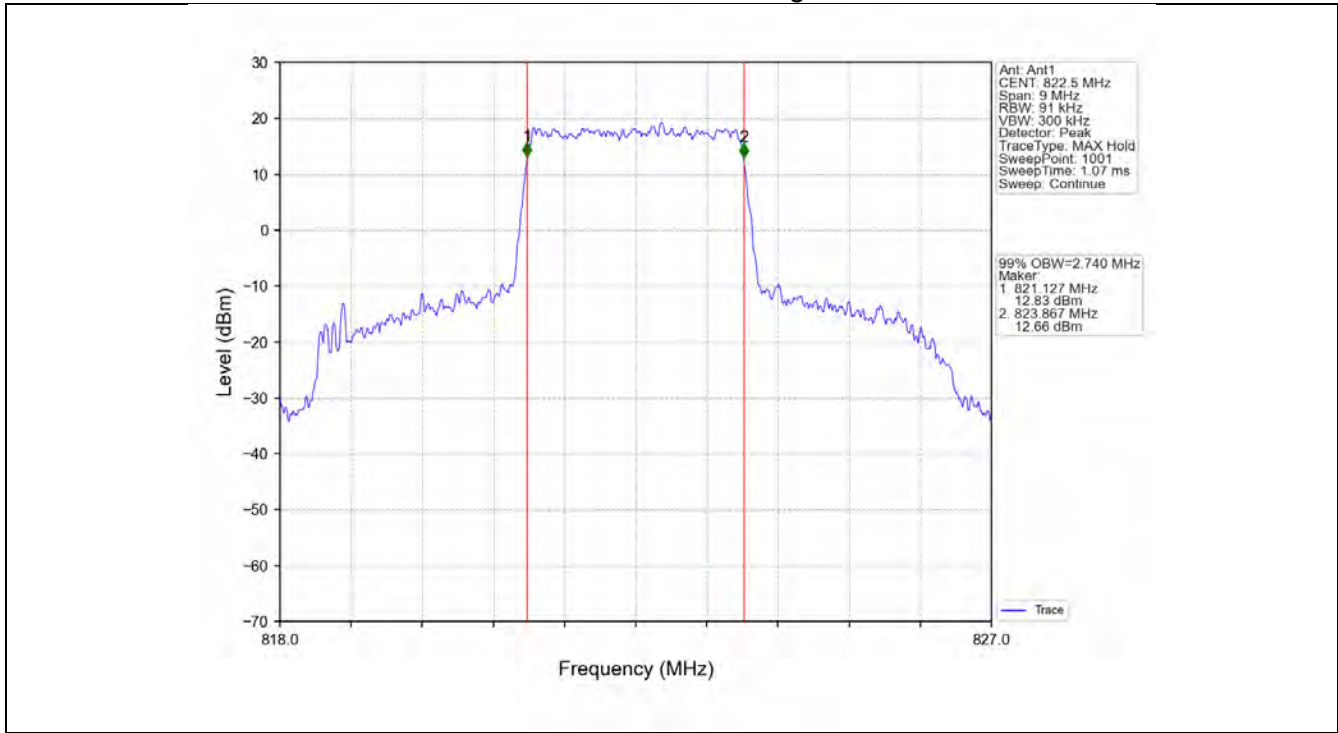


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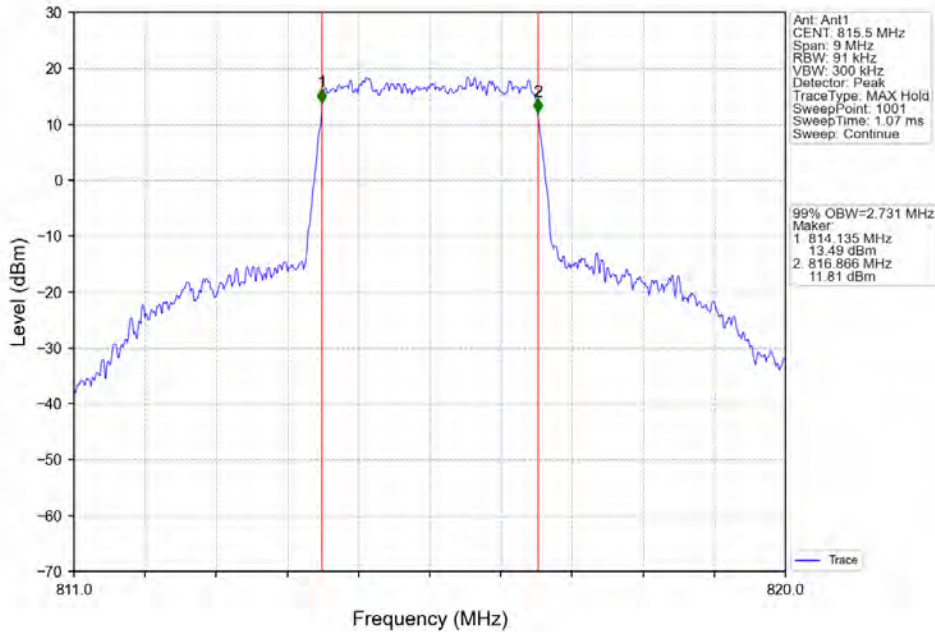
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Band26a\_3MHz\_16QAM\_MCH\_819MHz\_RB\_15\_0\_NTNV

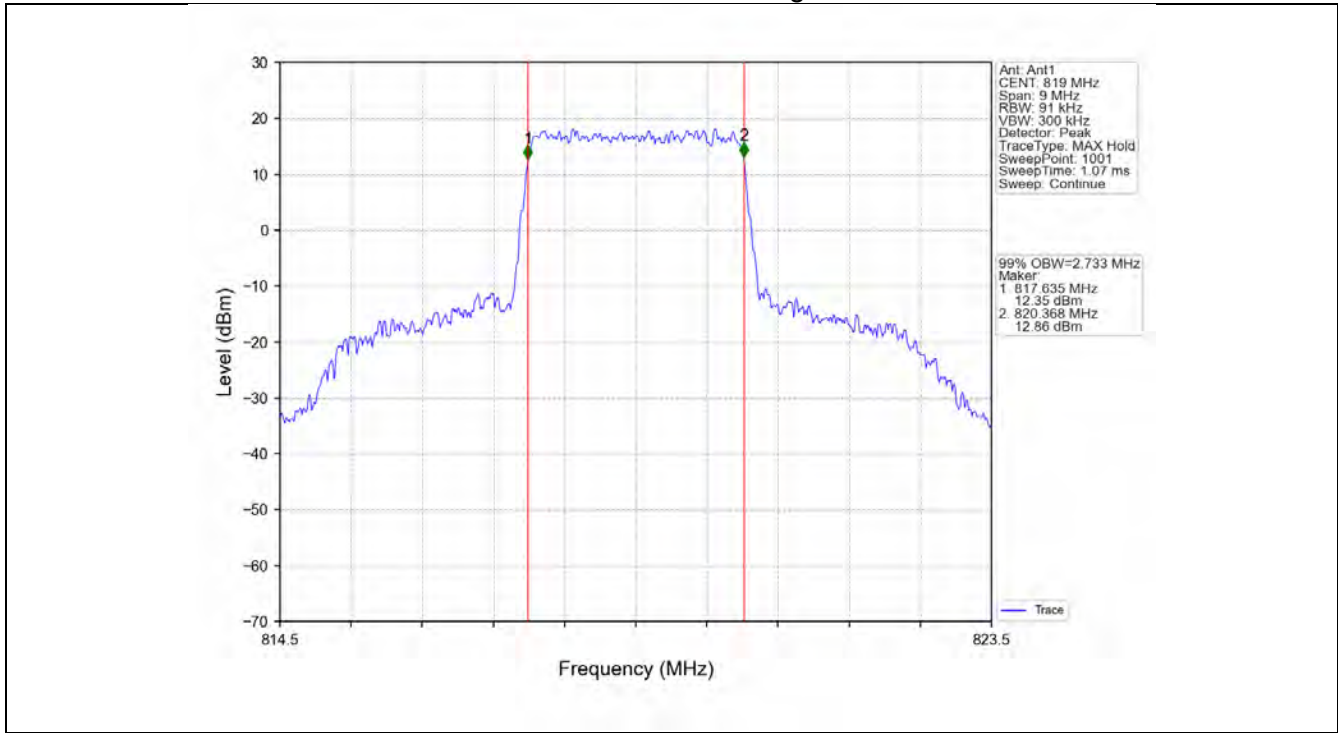


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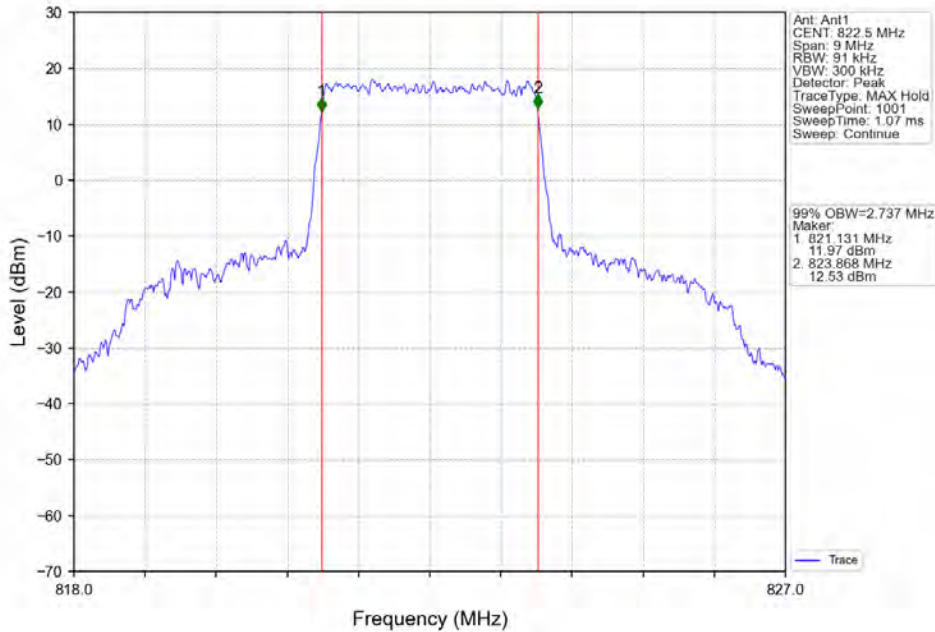


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Band26a\_3MHz\_16QAM\_HCH\_822.5MHz\_RB\_15\_0\_NTNV



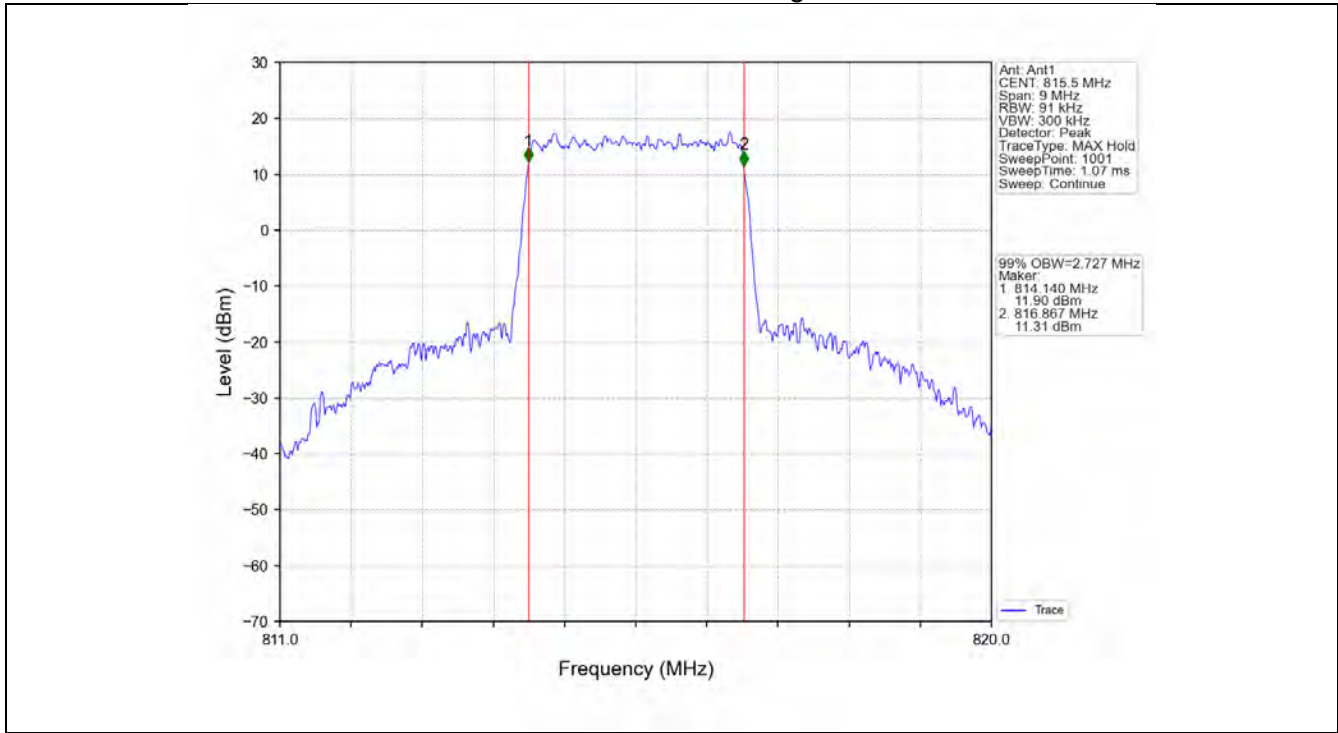
Band26a\_3MHz\_64QAM\_LCH\_815.5MHz\_RB\_15\_0\_NTNV



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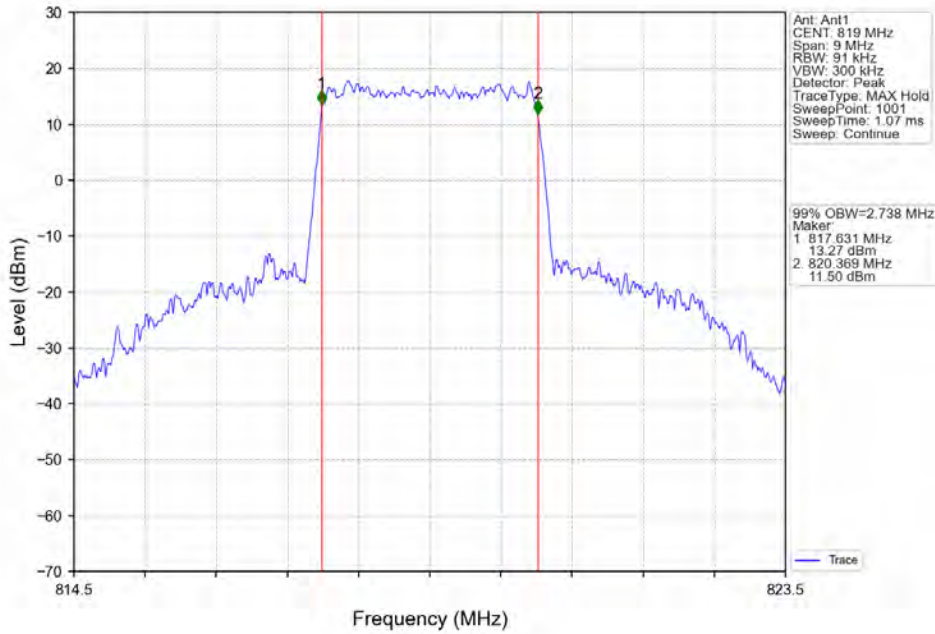


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Band26a 3MHz 64QAM MCH 819MHz\_RB\_15\_0\_NTNV



Band26a 3MHz 64QAM HCH 822.5MHz\_RB\_15\_0\_NTNV



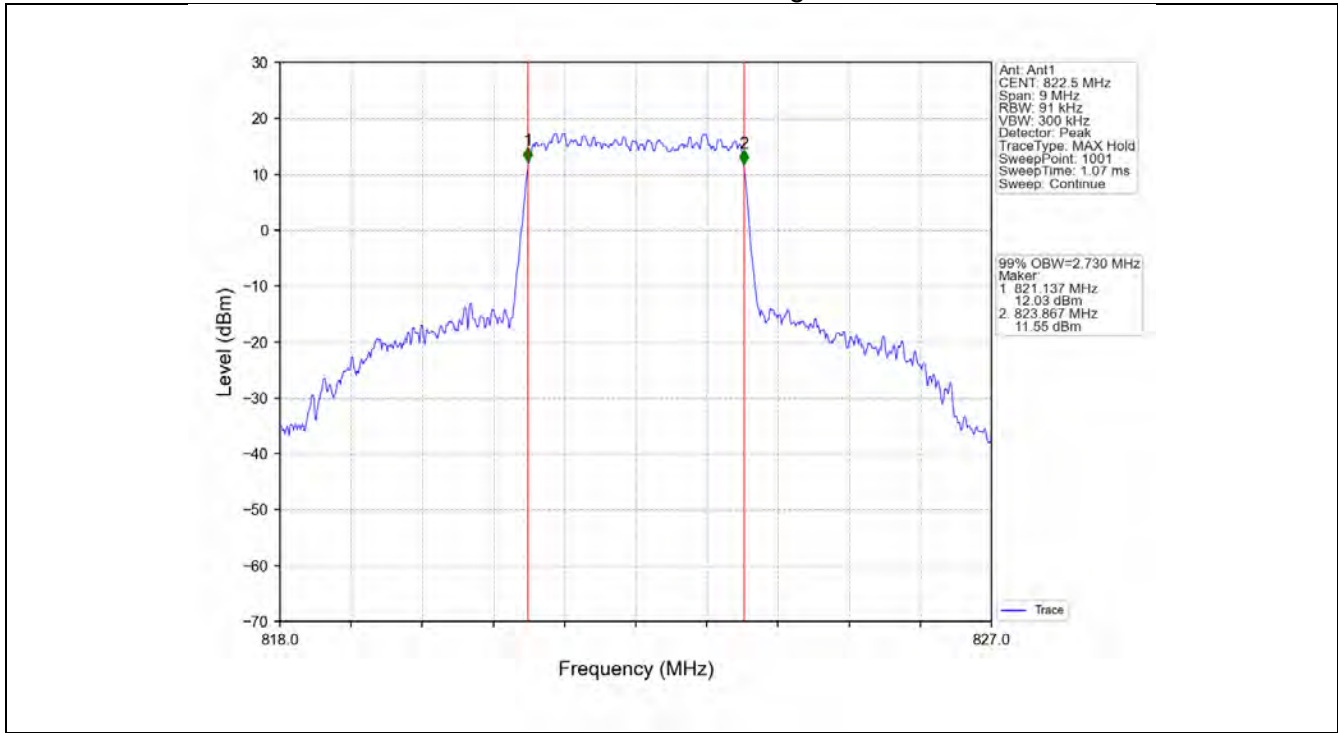
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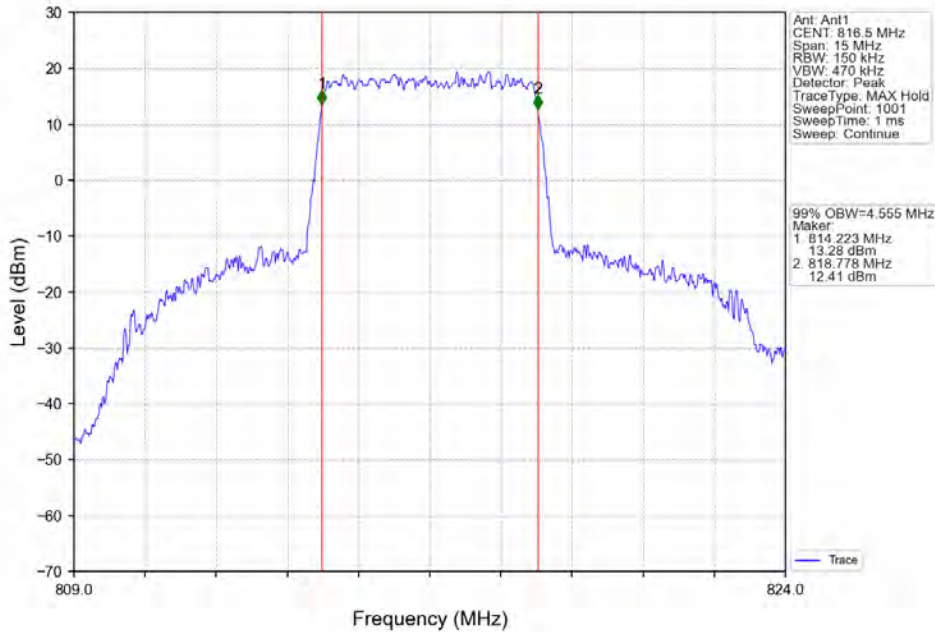


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Band26a\_5MHz\_QPSK\_LCH\_816.5MHz\_RB\_25\_0\_NTNV



Band26a\_5MHz\_QPSK\_MCH\_819MHz\_RB\_25\_0\_NTNV



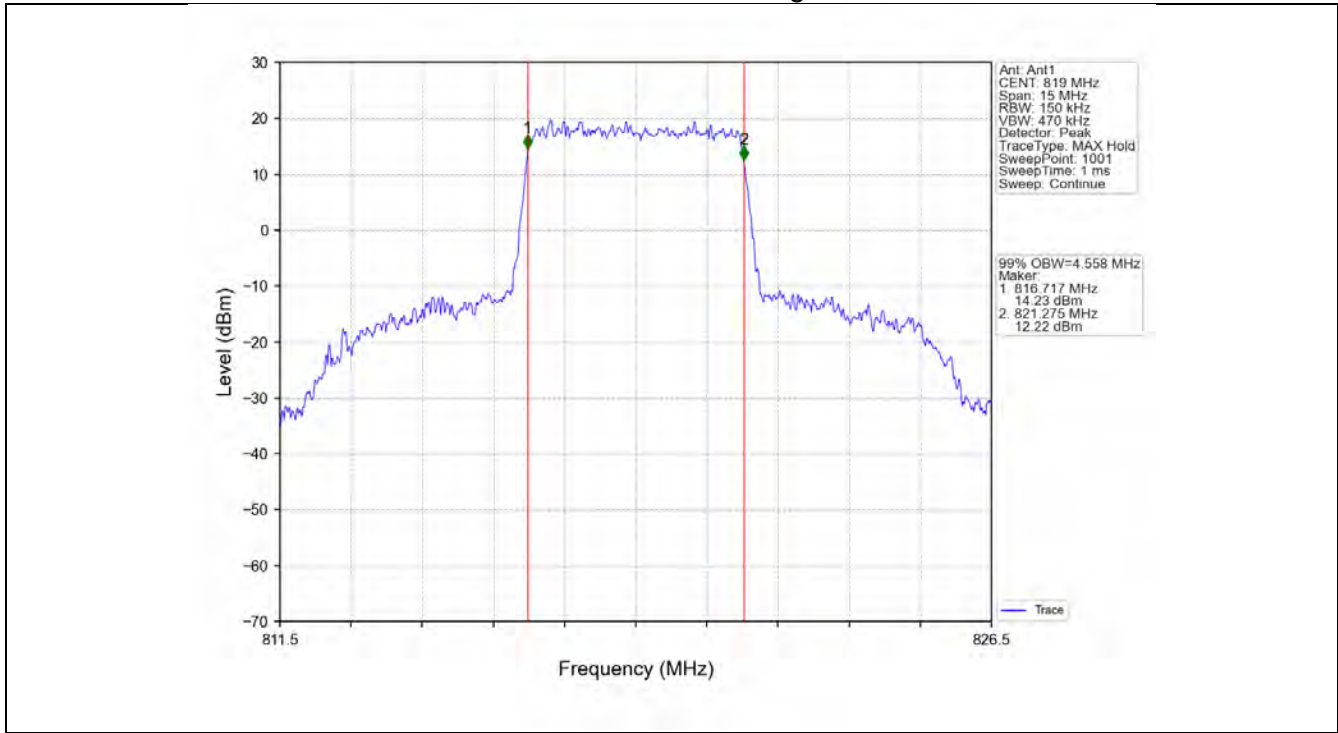
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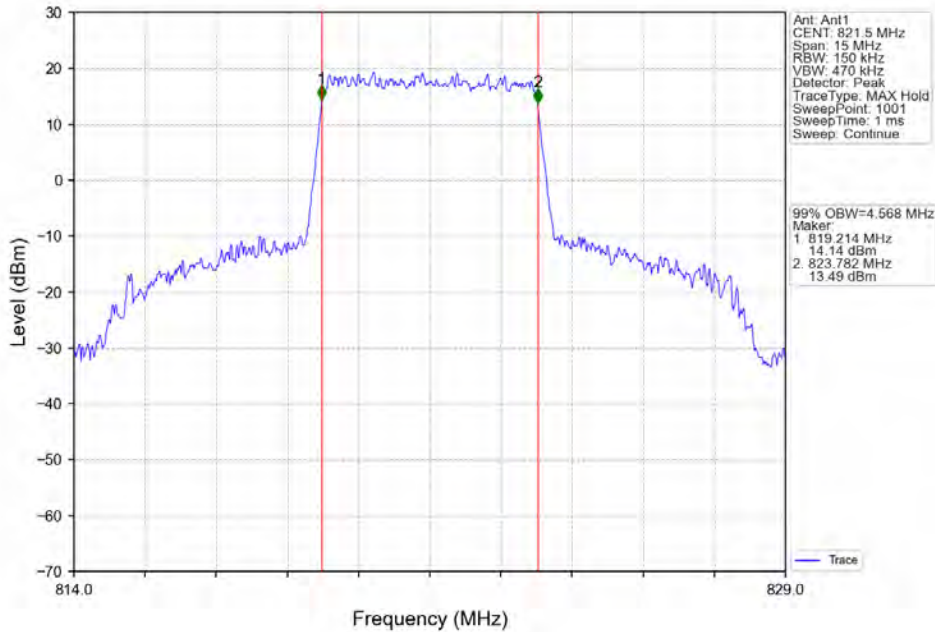
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Band26a 5MHz QPSK HCH 821.5MHz\_RB\_25\_0\_NTNV



Band26a 5MHz 16QAM LCH 816.5MHz\_RB\_25\_0\_NTNV

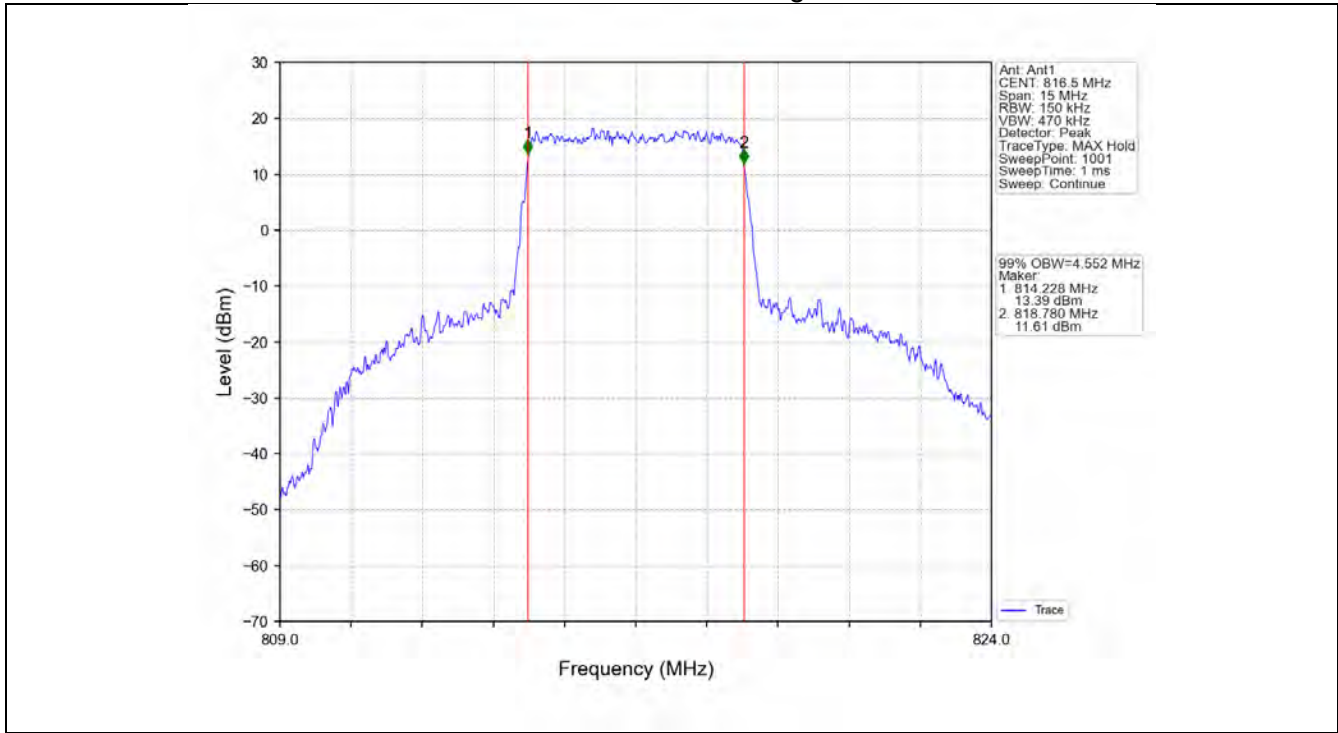


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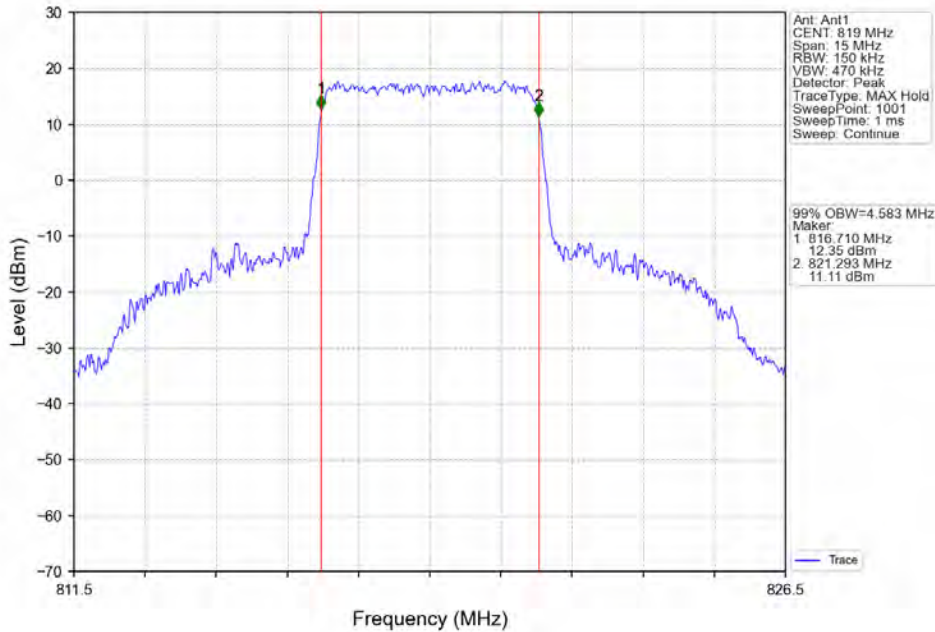


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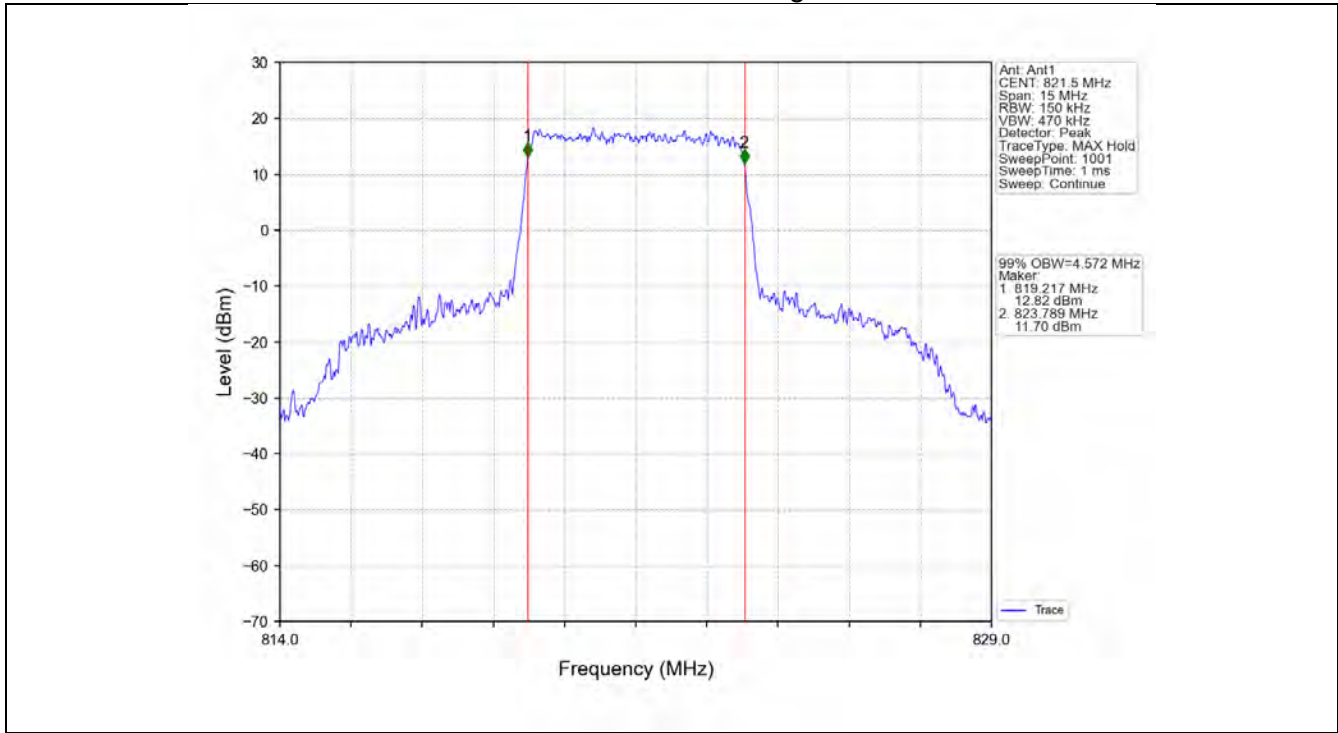
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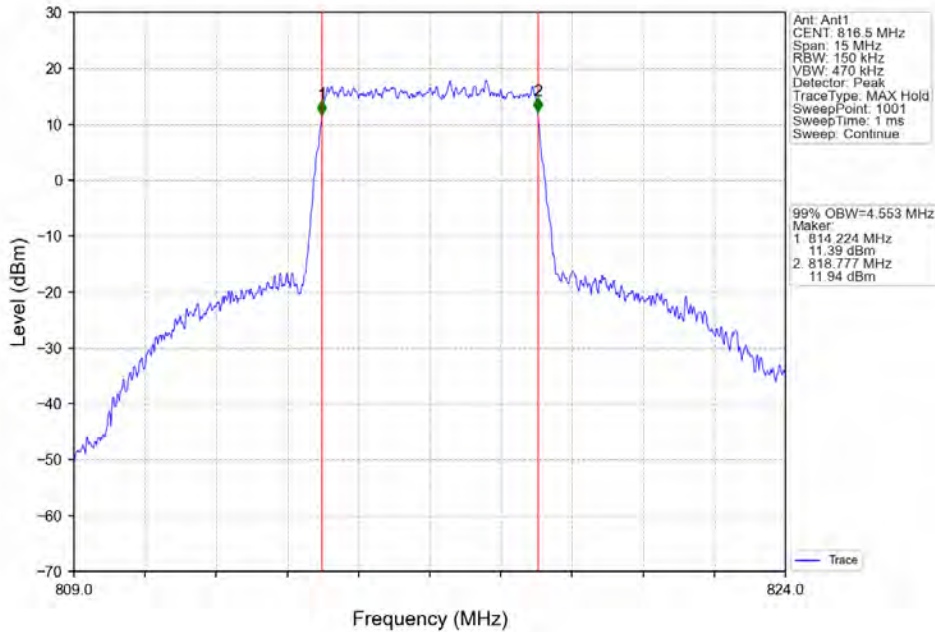


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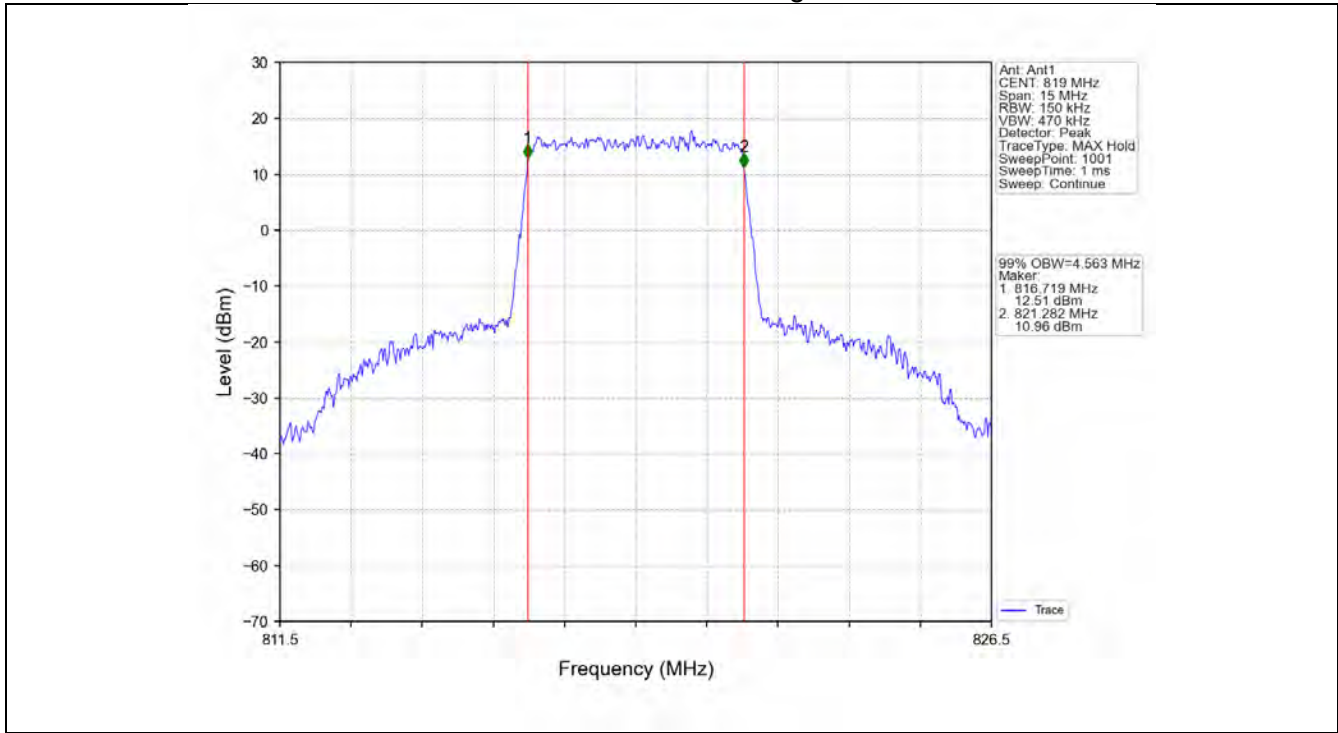
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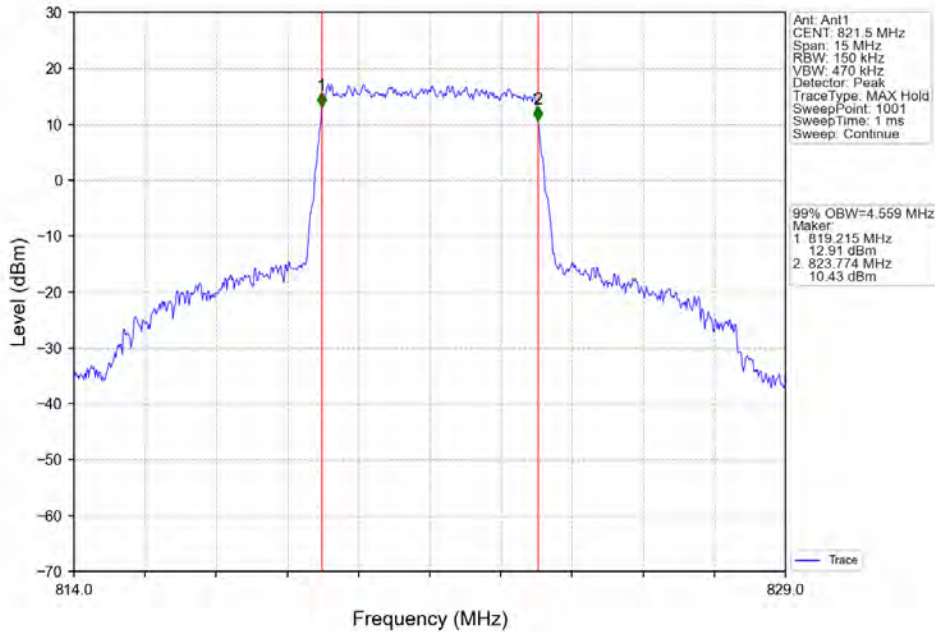


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Band26a\_5MHz\_64QAM\_HCH\_821.5MHz\_RB\_25\_0\_NTNV



Band26a\_10MHz\_QPSK\_MCH\_819MHz\_RB\_50\_0\_NTNV

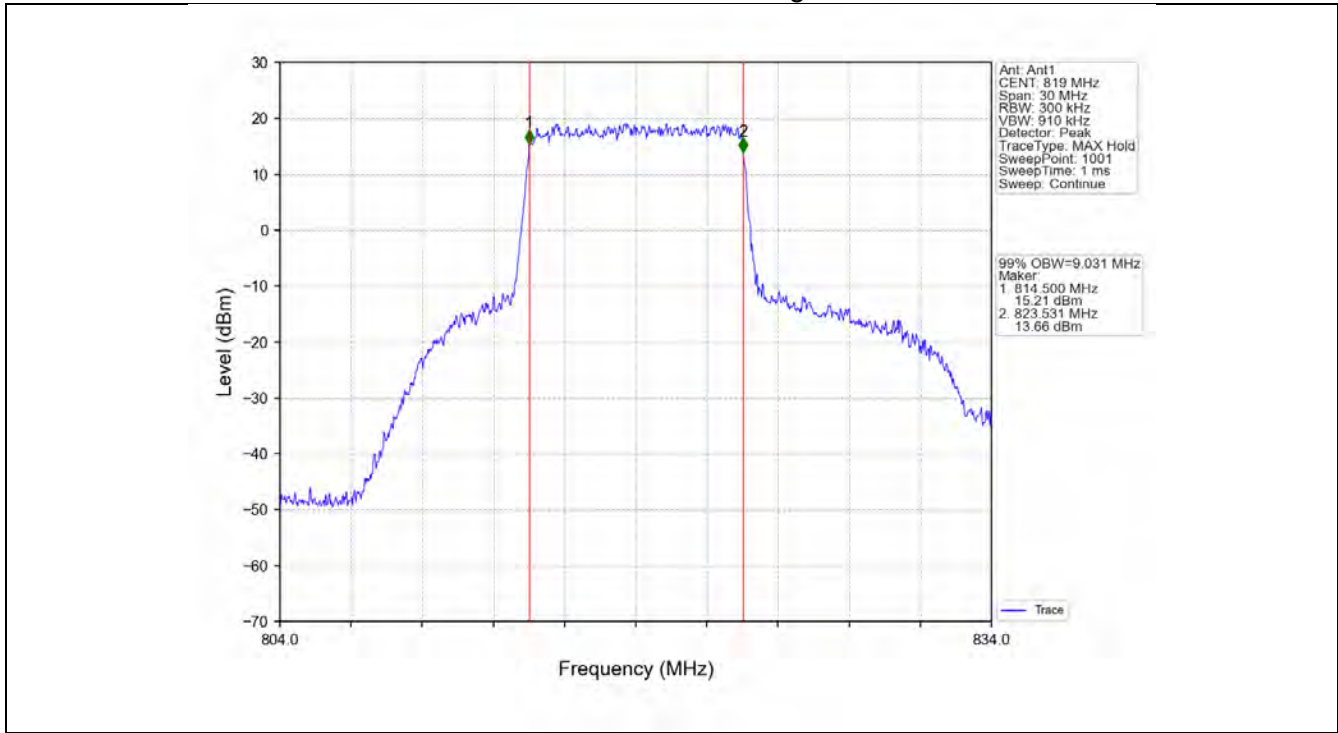


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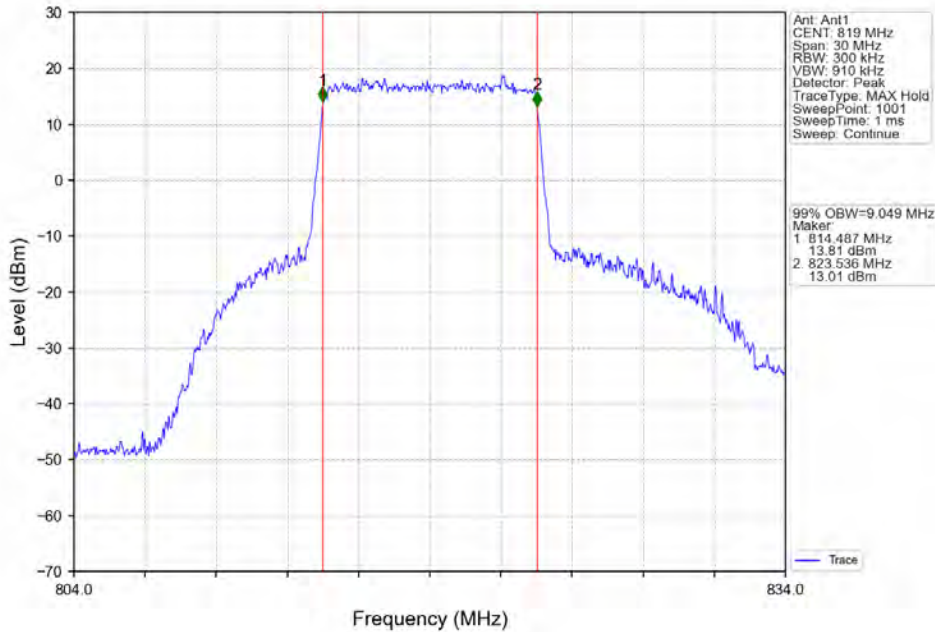
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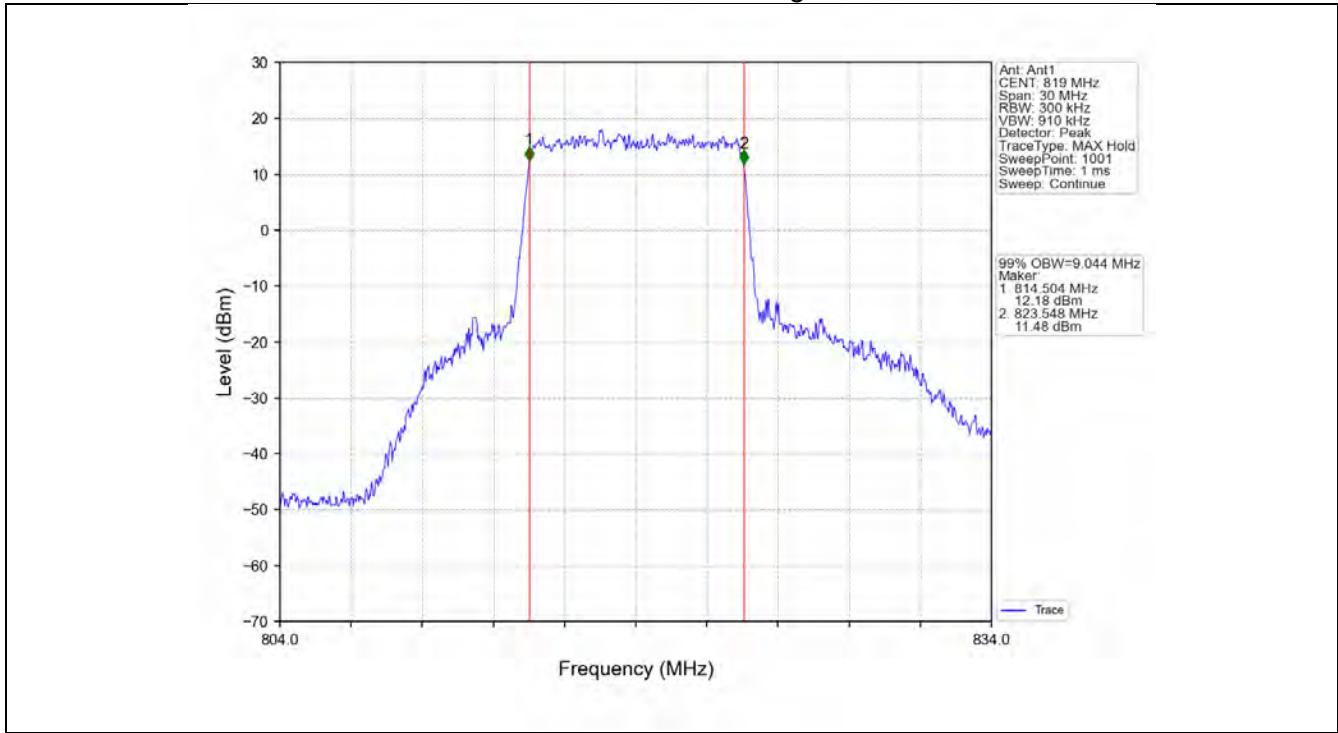
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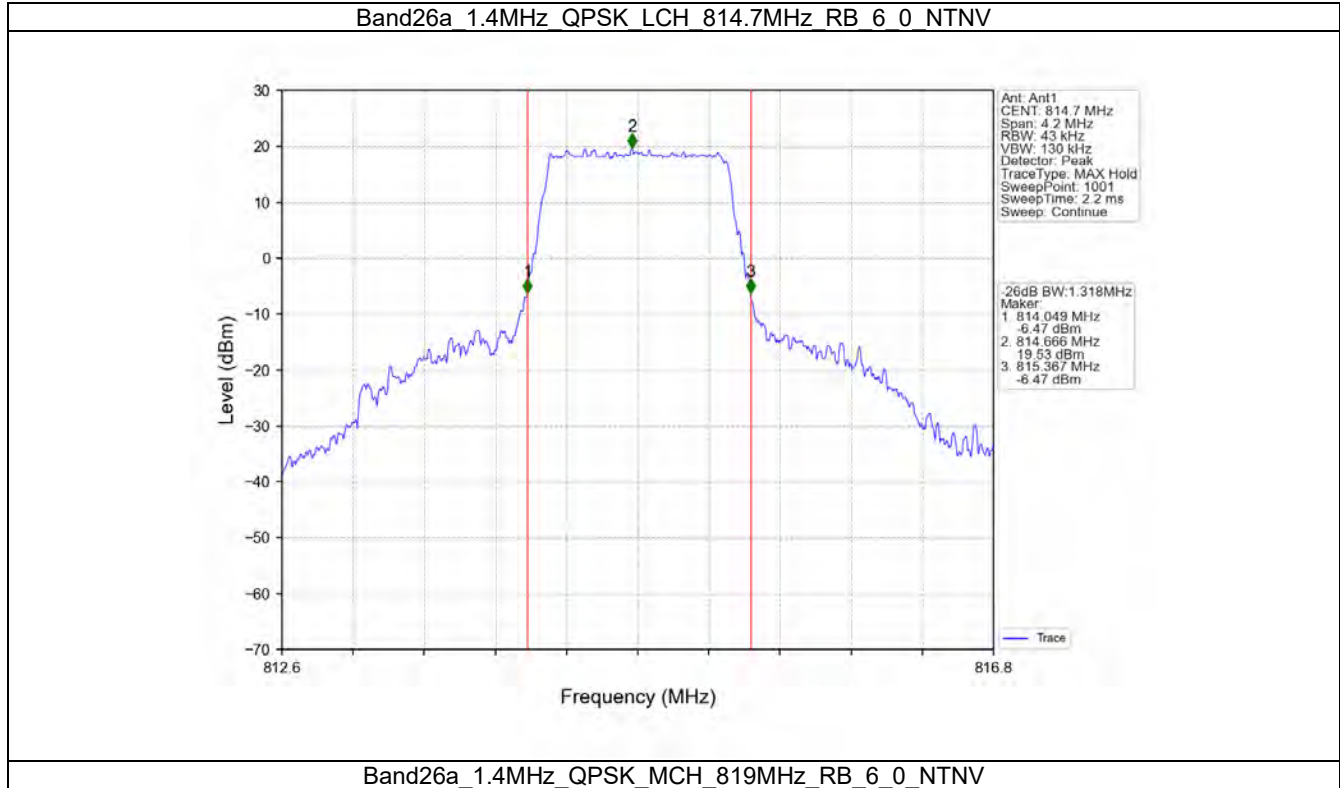
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### 3.2 Band26a\_XDB

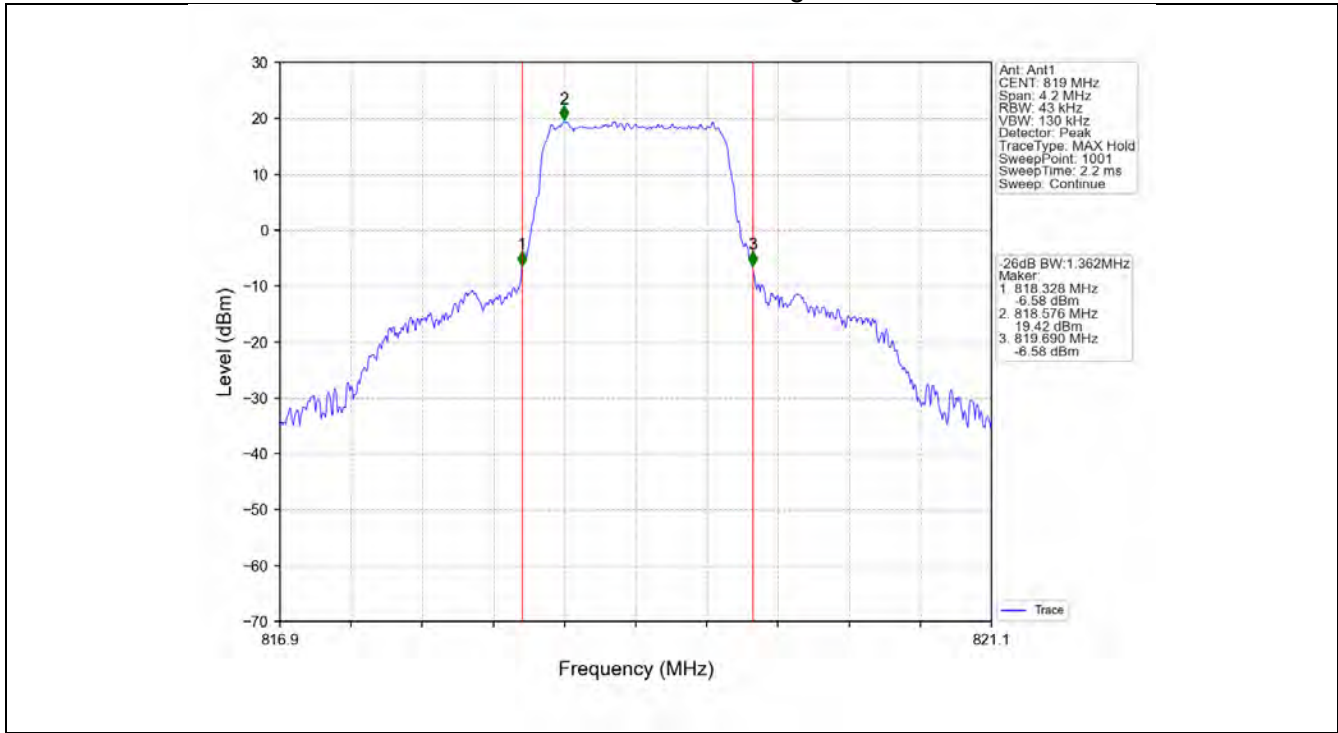
#### 3.2.2 Test Graph



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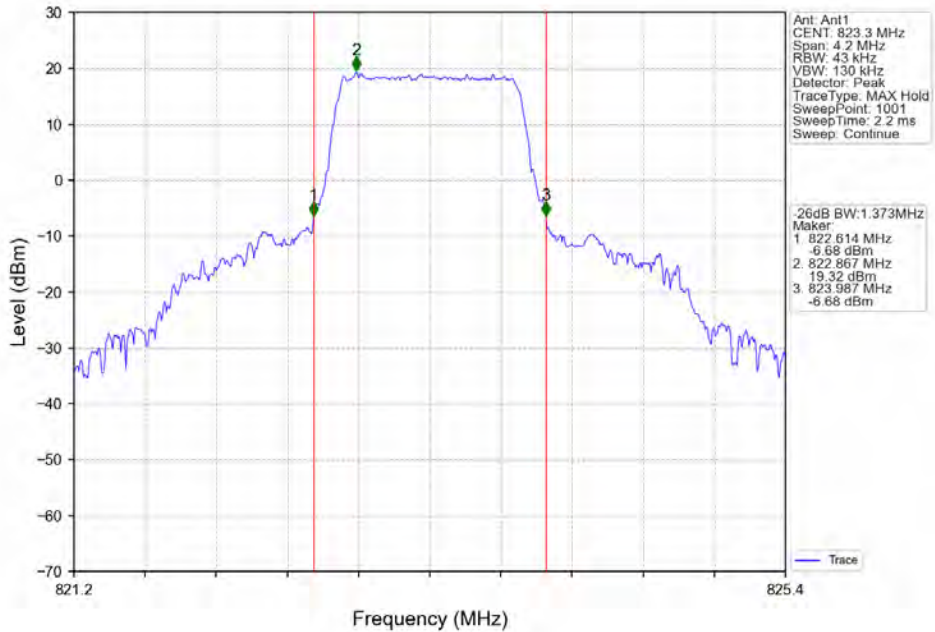


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Band26a 1.4MHz 16QAM LCH 814.7MHz\_RB\_6\_0\_NTNV

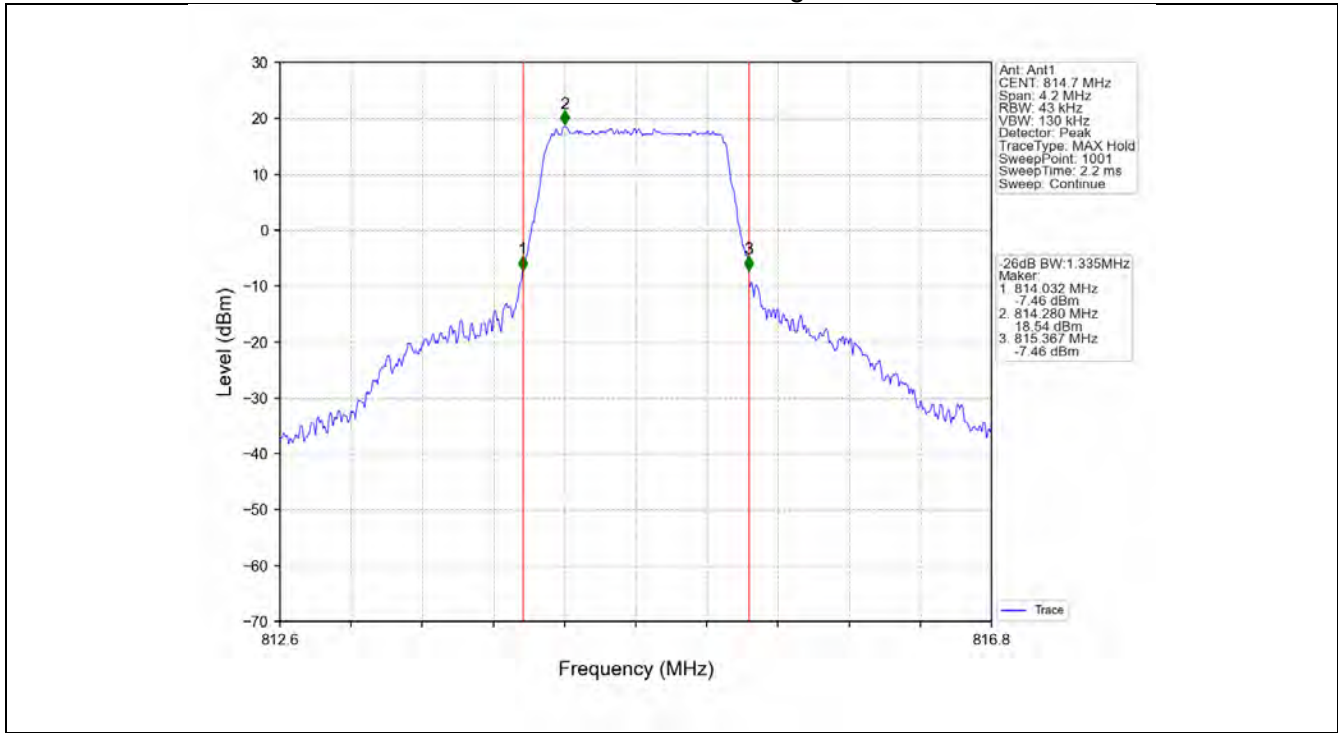


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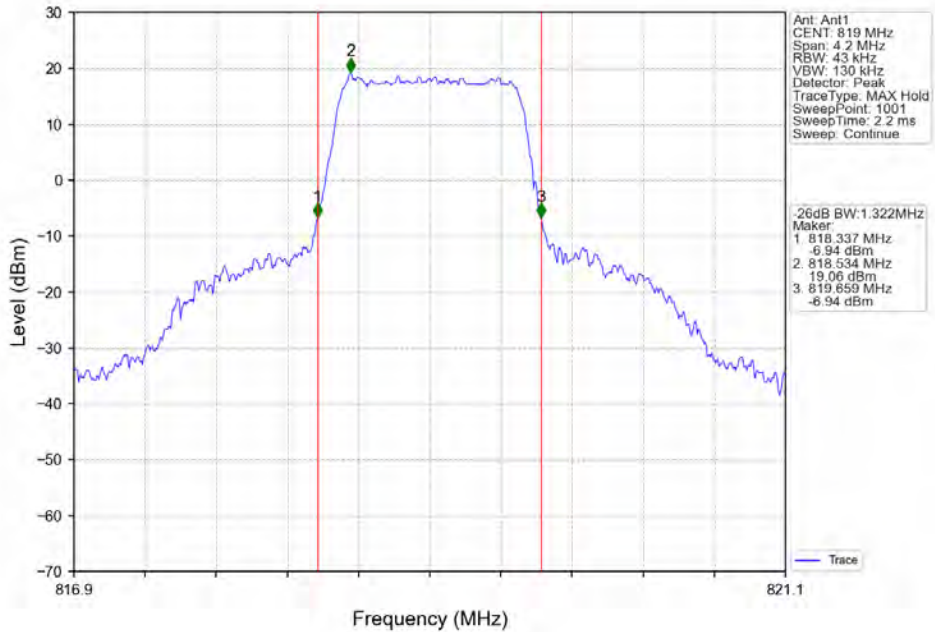


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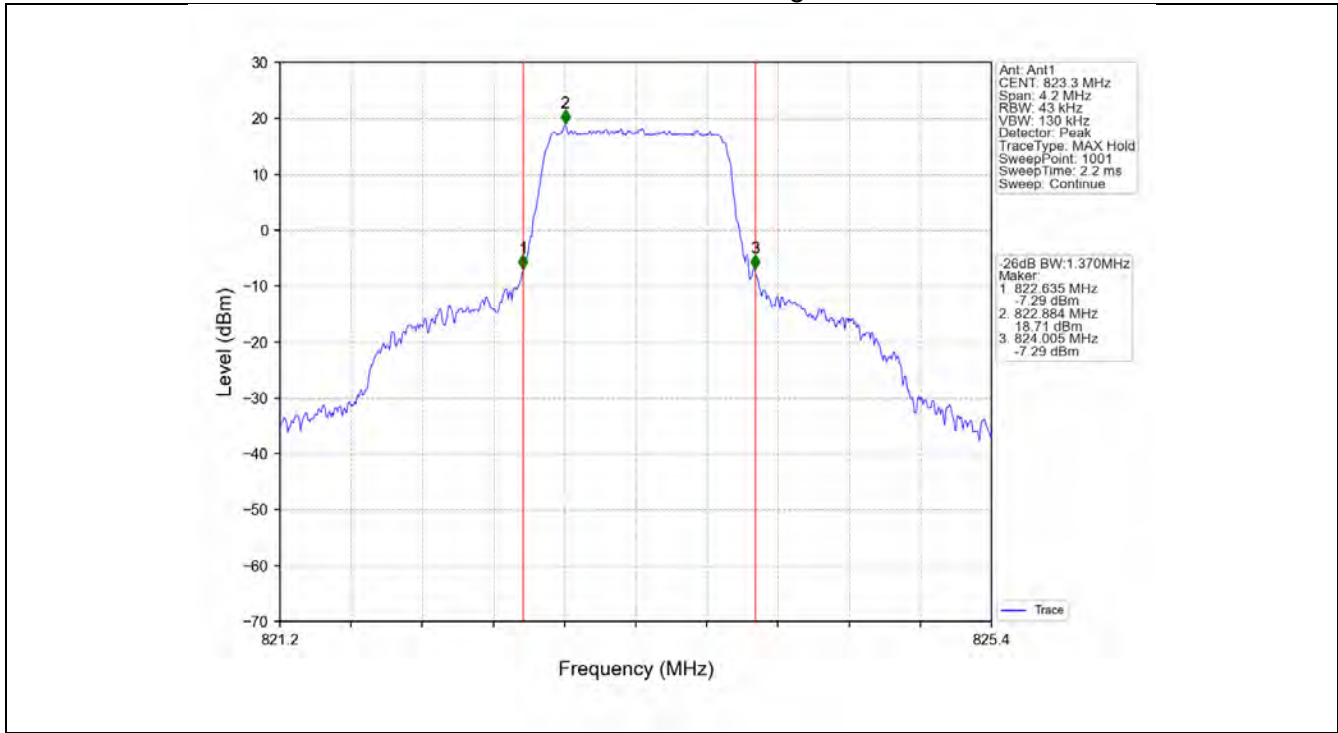
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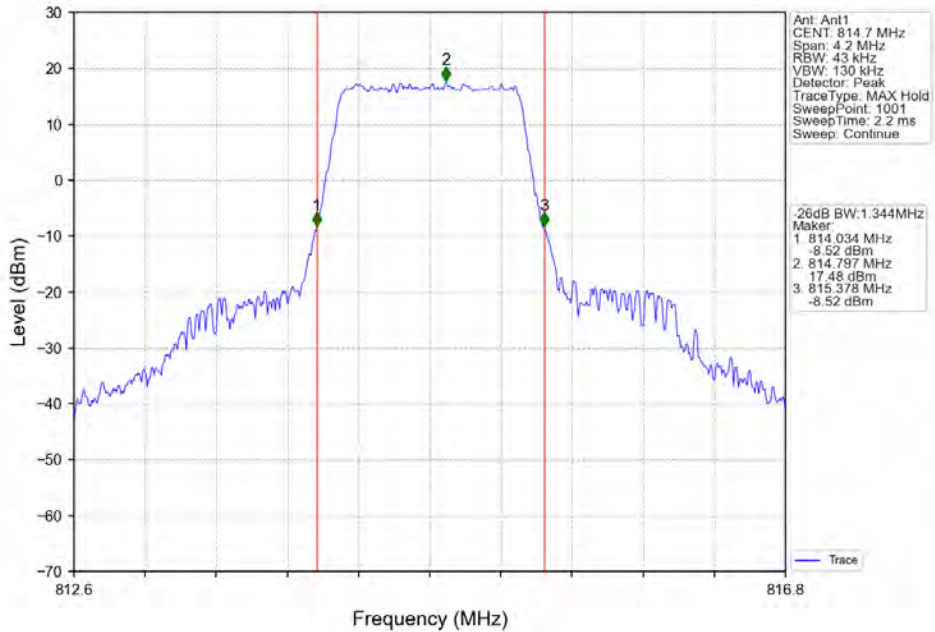
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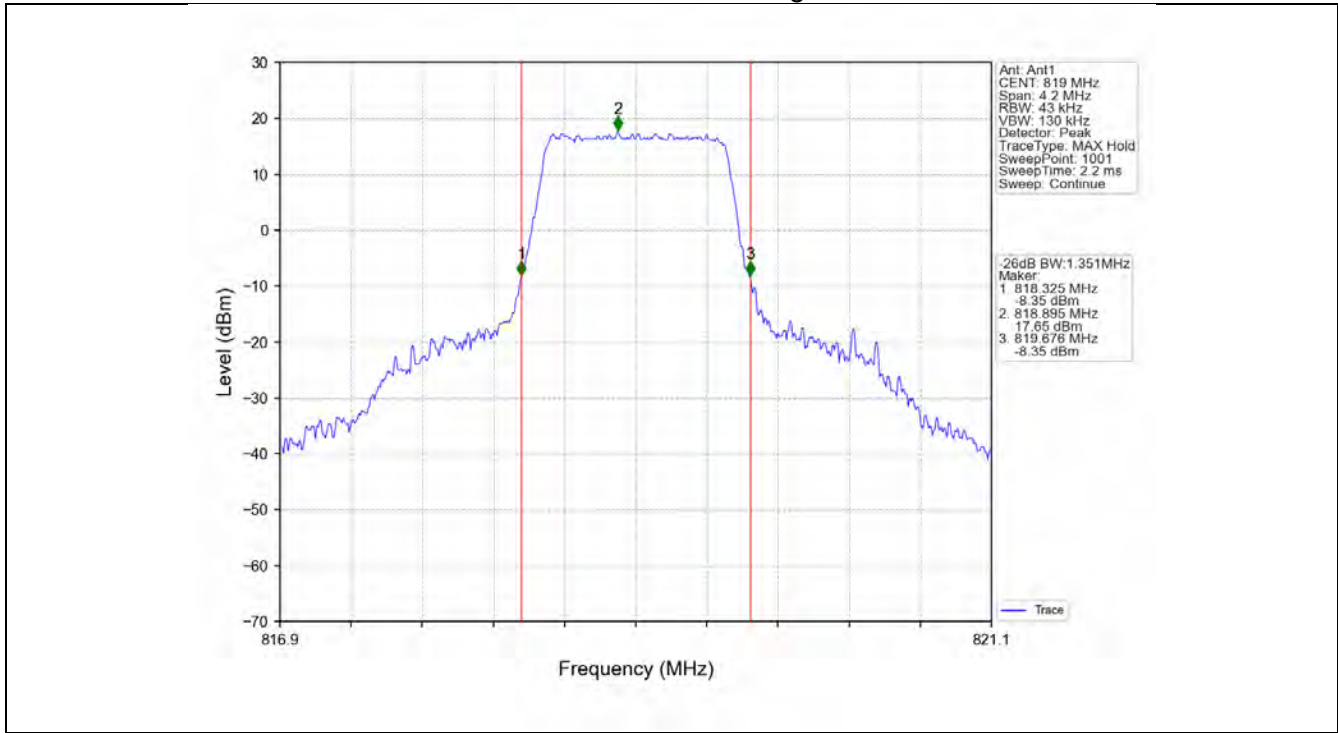
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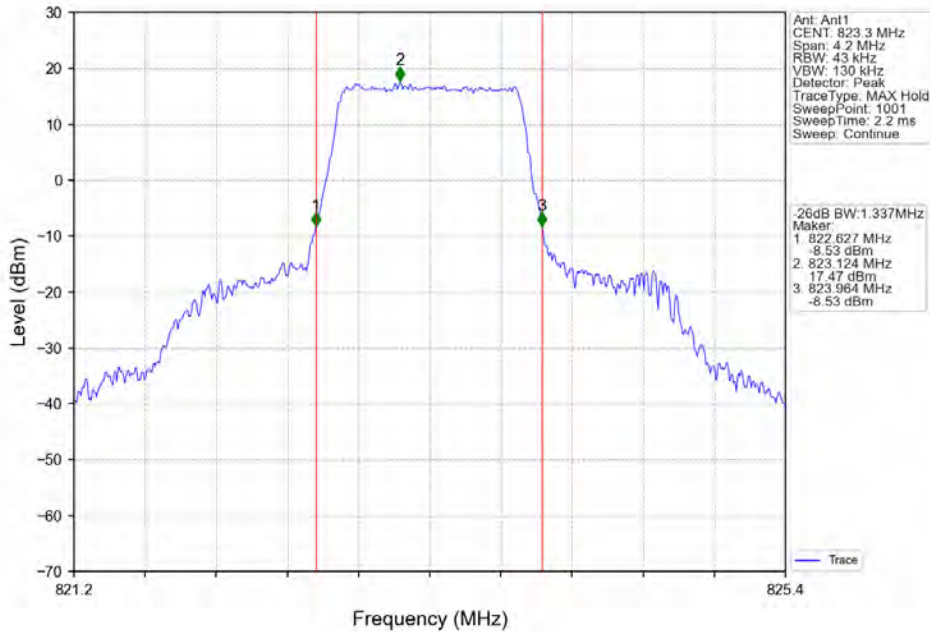


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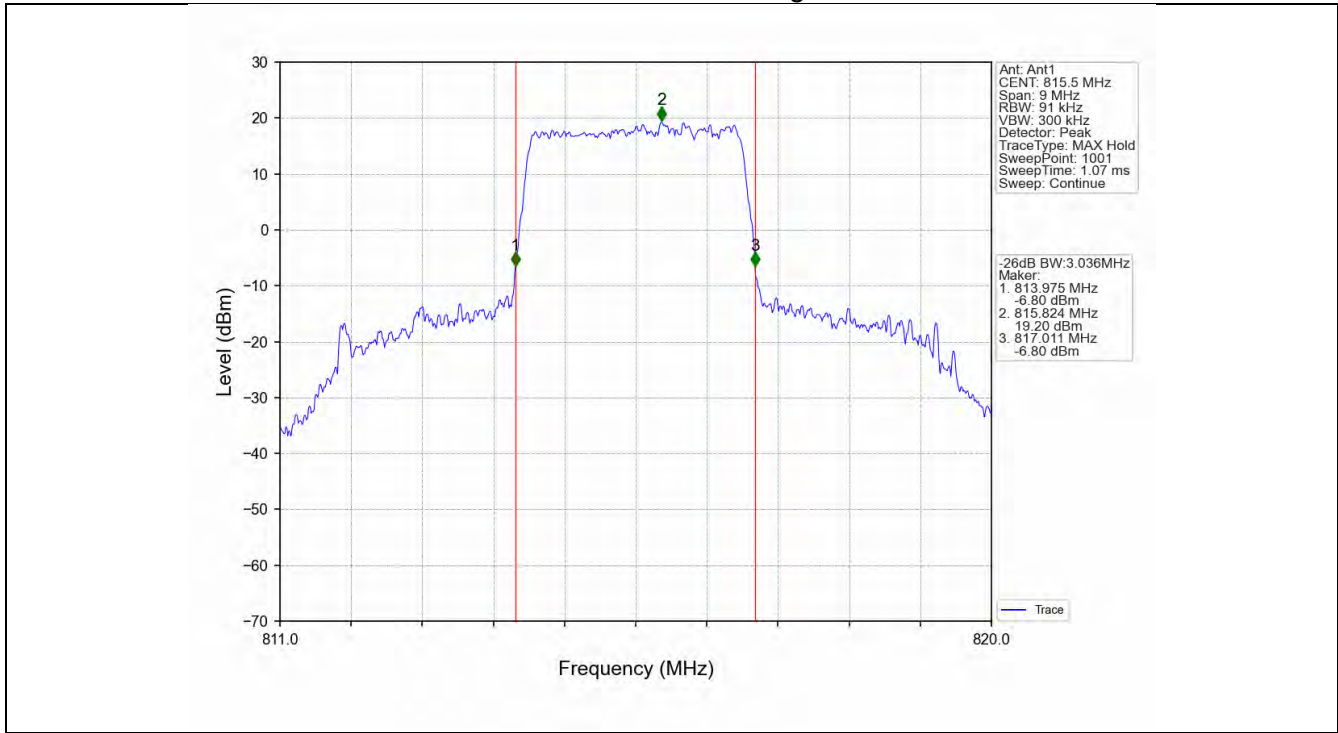
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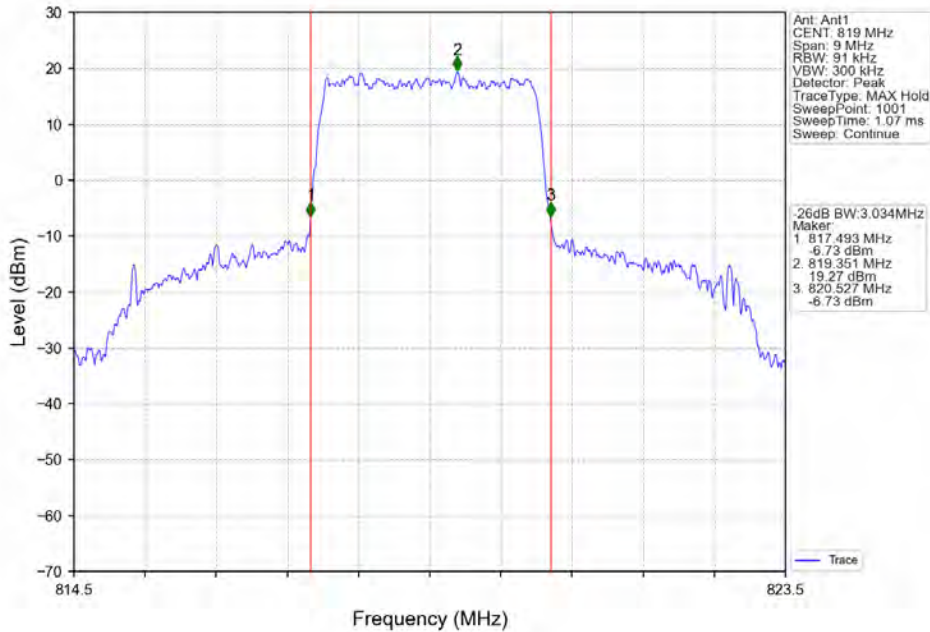
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Report No.: SUCR240200003402

Rev.: 01

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Band26a\_3MHz\_QPSK\_MCH\_819MHz\_RB\_15\_0\_NTNV



Band26a\_3MHz\_QPSK\_HCH\_822.5MHz\_RB\_15\_0\_NTNV



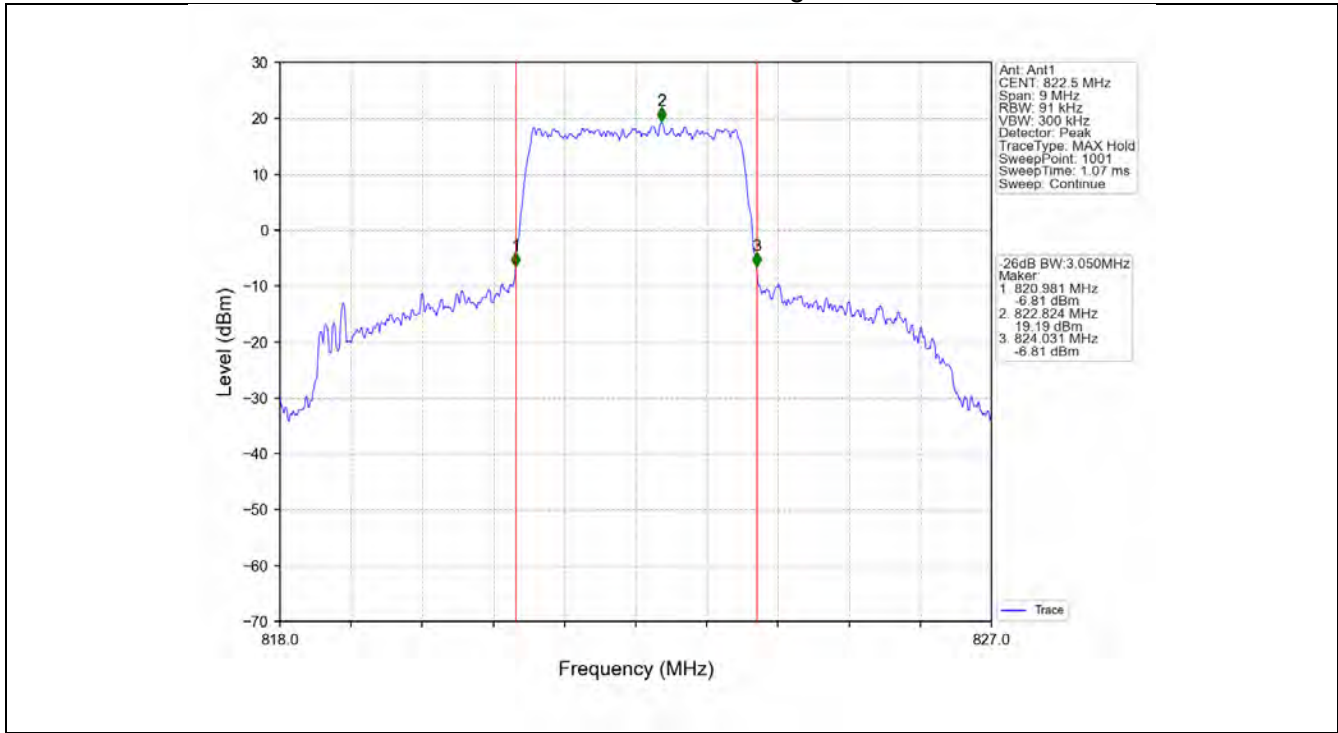
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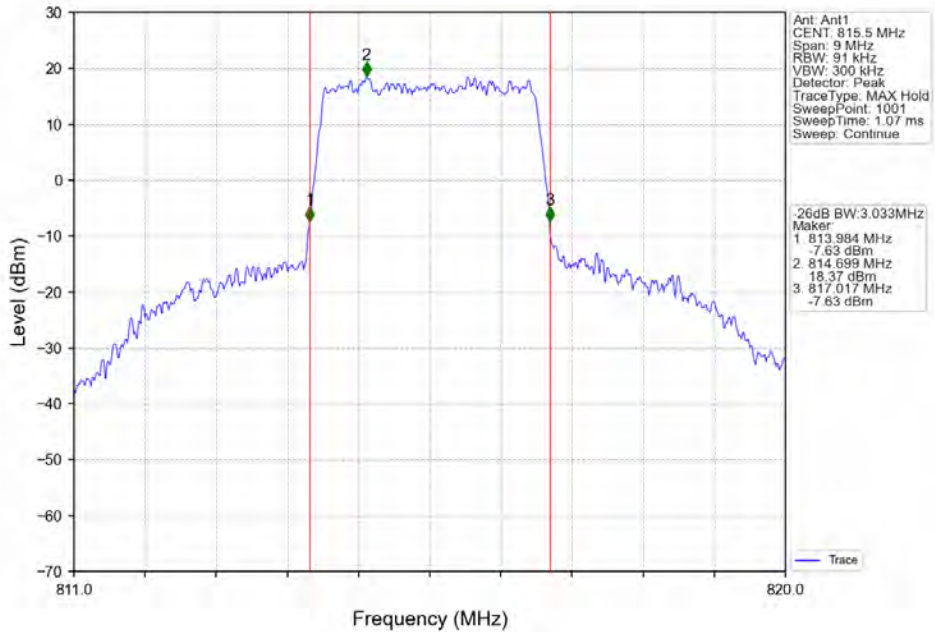


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Band26a\_3MHz\_16QAM\_LCH\_815.5MHz\_RB\_15\_0\_NTNV



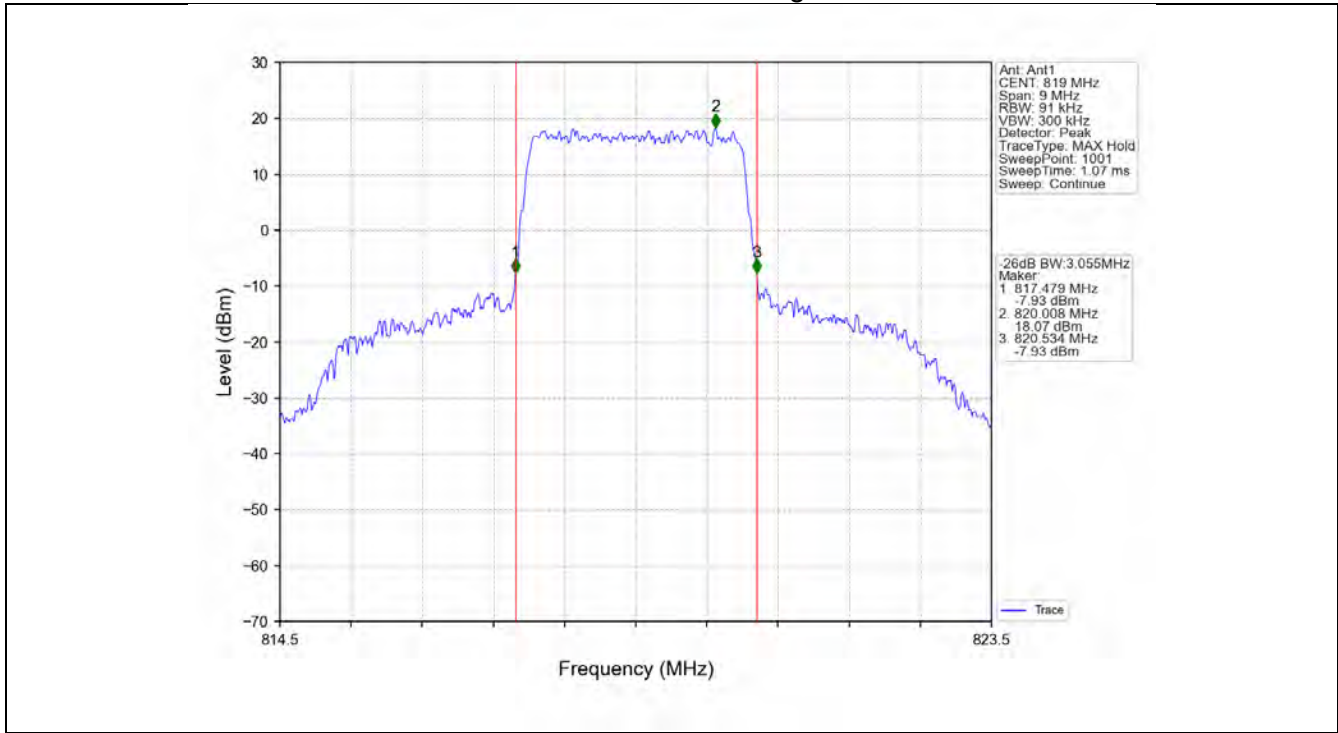
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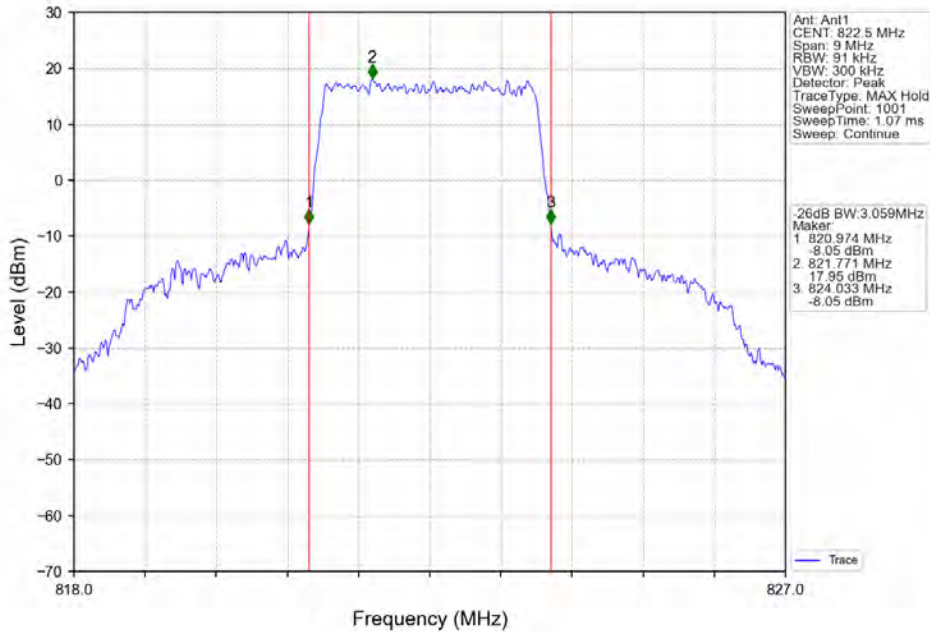
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Band26a\_3MHz\_16QAM\_HCH\_822.5MHz\_RB\_15\_0\_NTNV



Band26a\_3MHz\_64QAM\_LCH\_815.5MHz\_RB\_15\_0\_NTNV

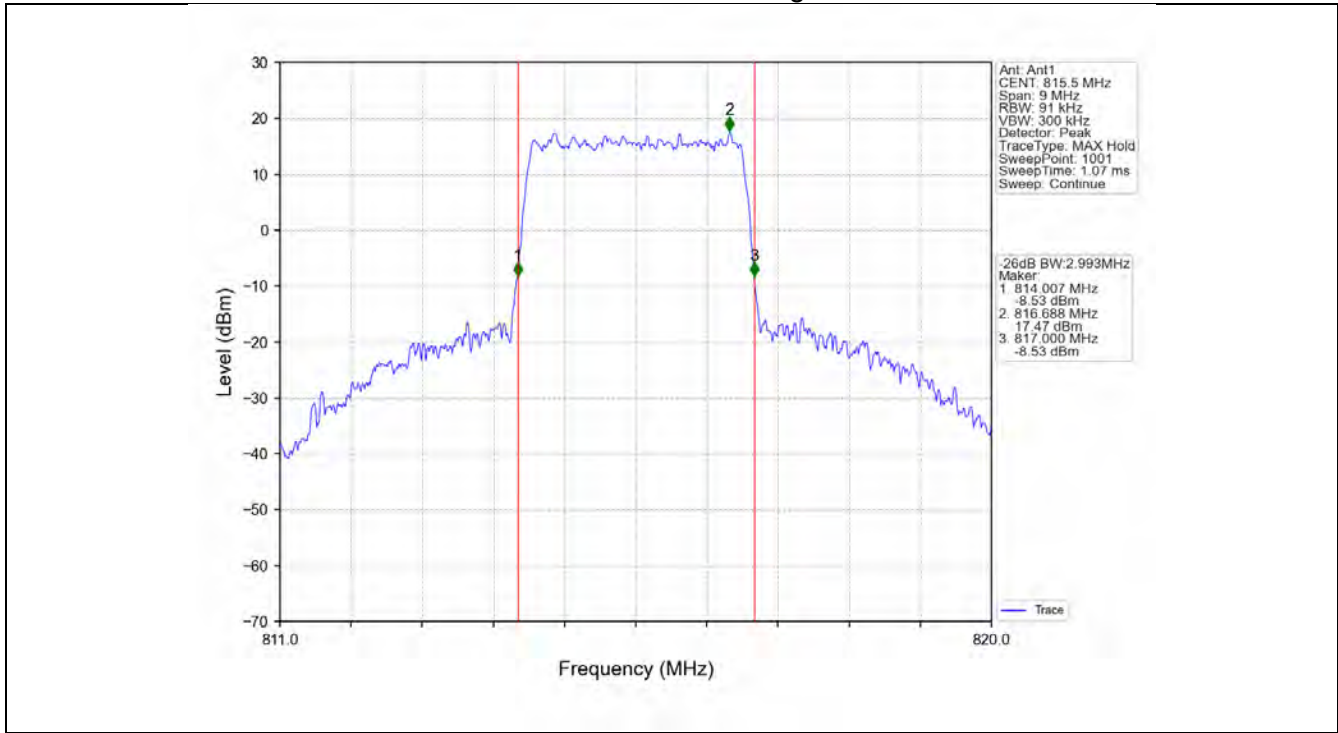


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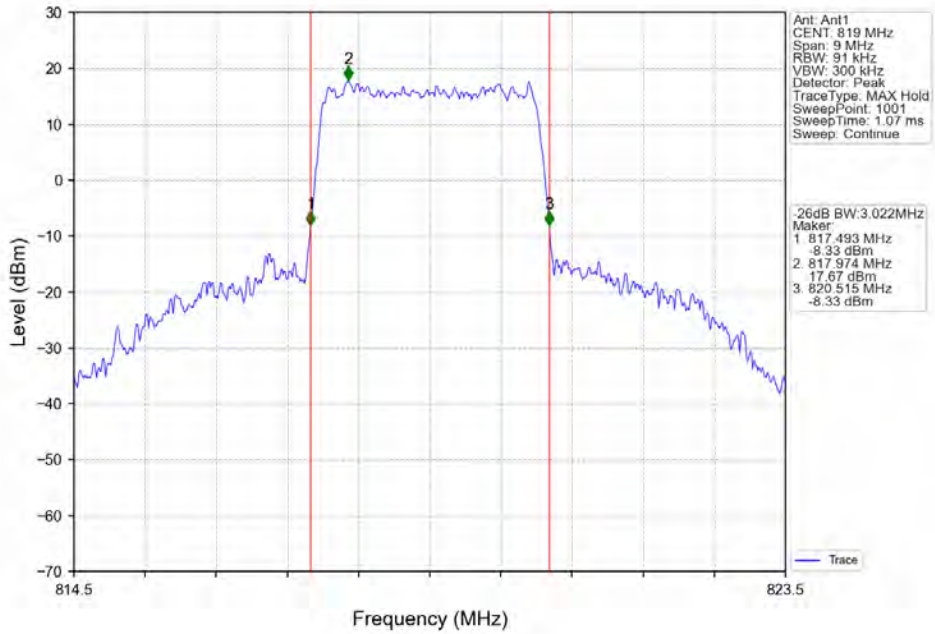


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Band26a 3MHz 64QAM MCH 819MHz\_RB\_15\_0\_NTNV



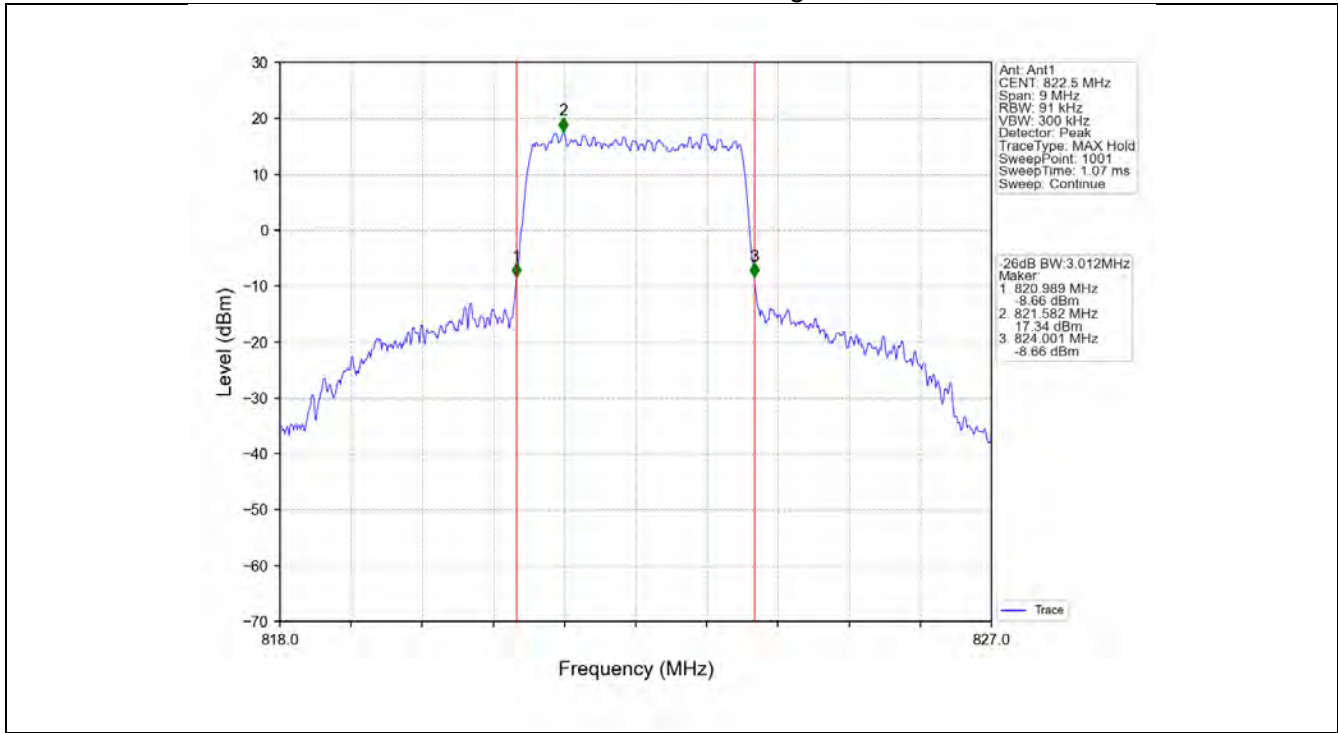
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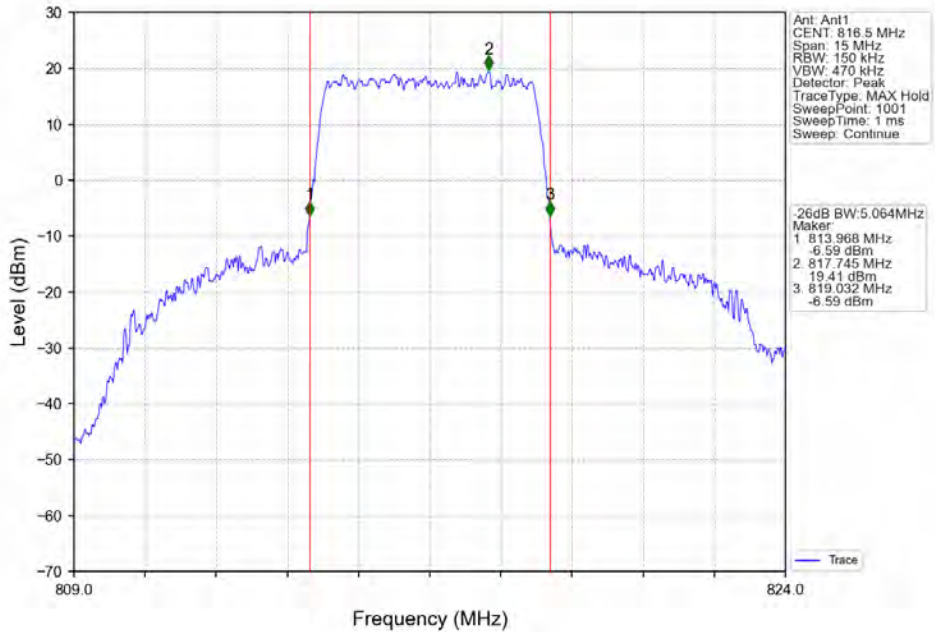


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Band26a\_5MHz\_QPSK\_LCH\_816.5MHz\_RB\_25\_0\_NTNV



Band26a\_5MHz\_QPSK\_MCH\_819MHz\_RB\_25\_0\_NTNV



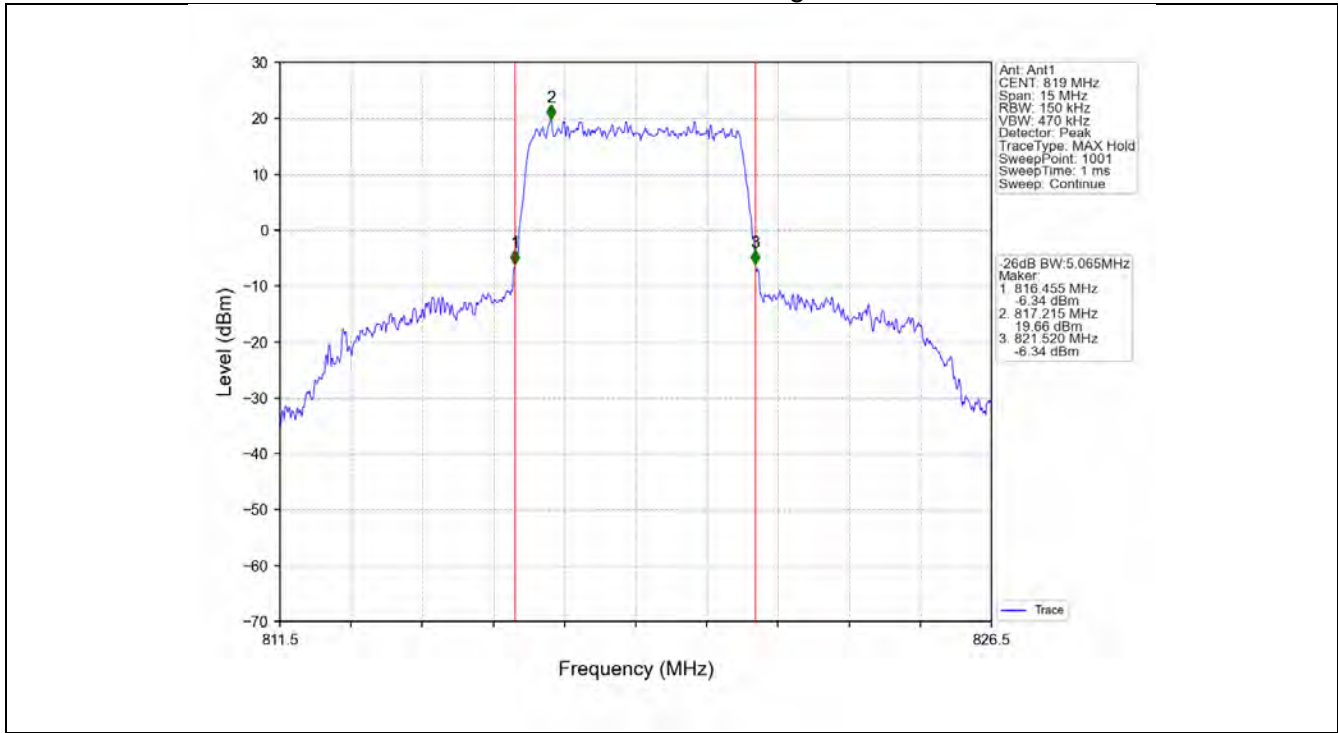
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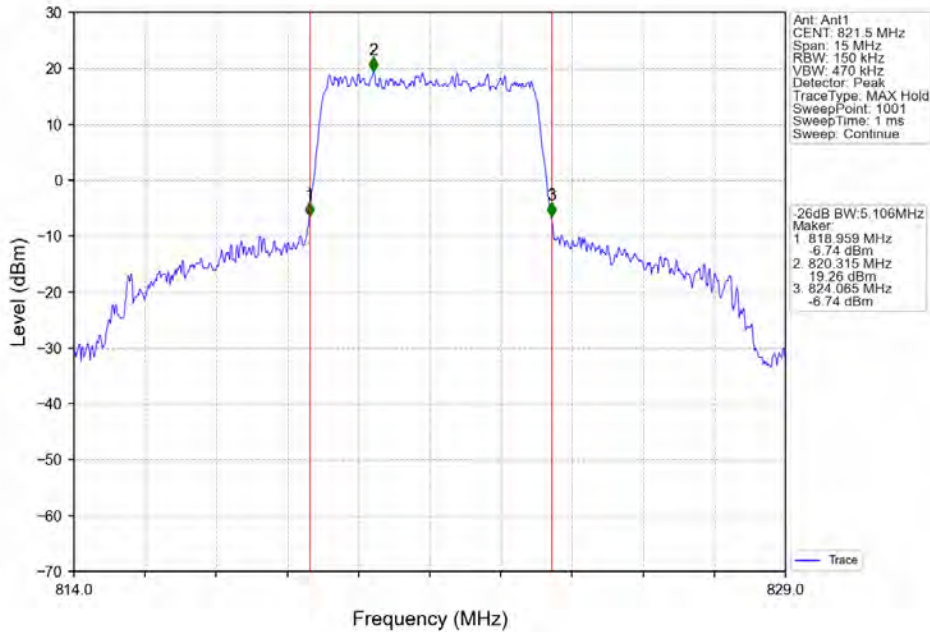


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Band26a 5MHz QPSK HCH 821.5MHz\_RB\_25\_0\_NTNV



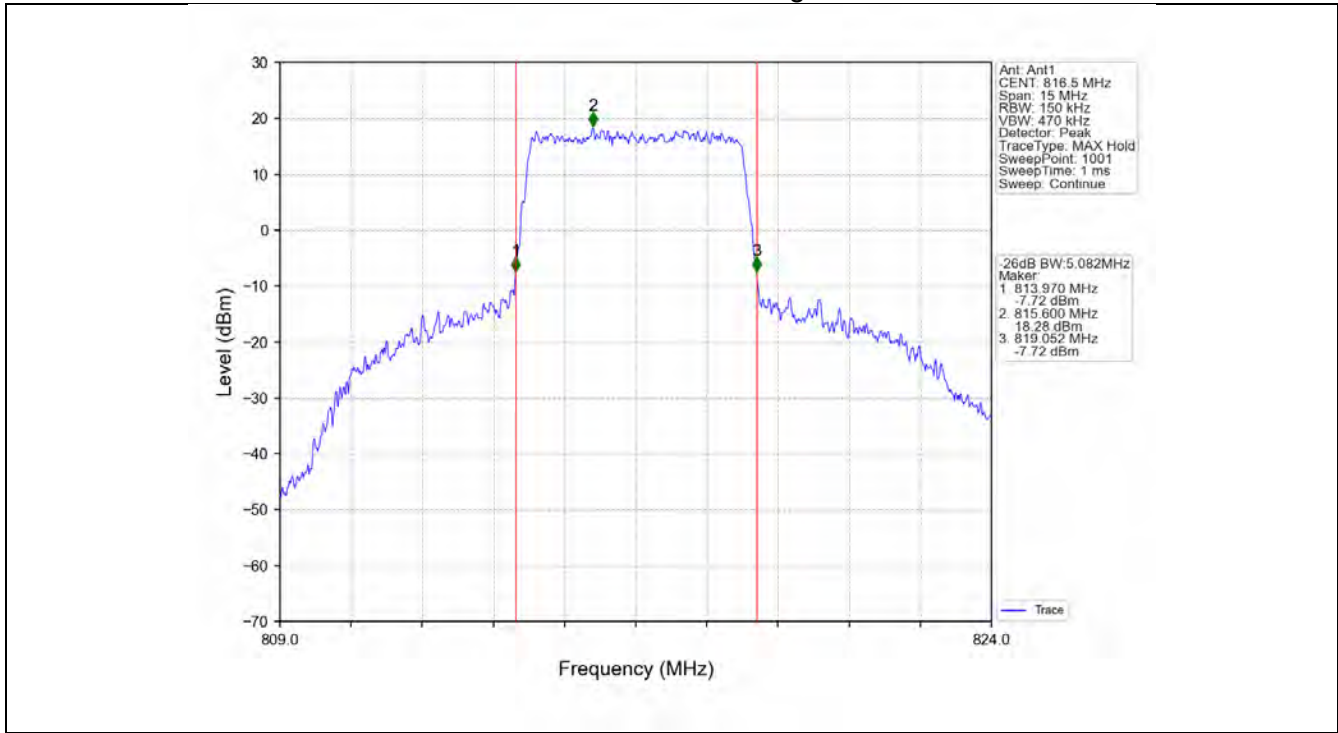
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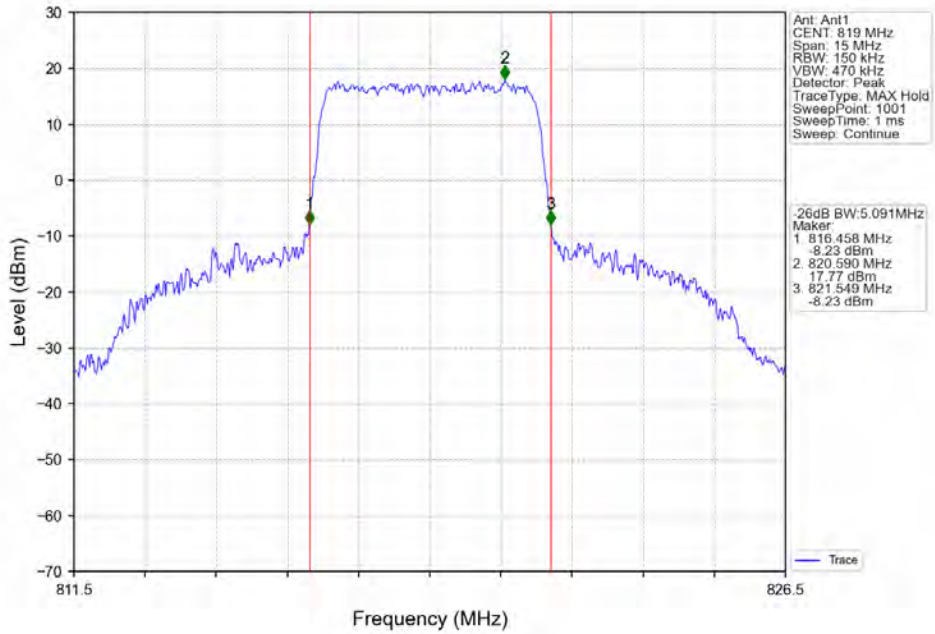
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Band26a\_5MHz\_16QAM\_MCH\_819MHz\_RB\_25\_0\_NTNV



Band26a\_5MHz\_16QAM\_HCH\_821.5MHz\_RB\_25\_0\_NTNV



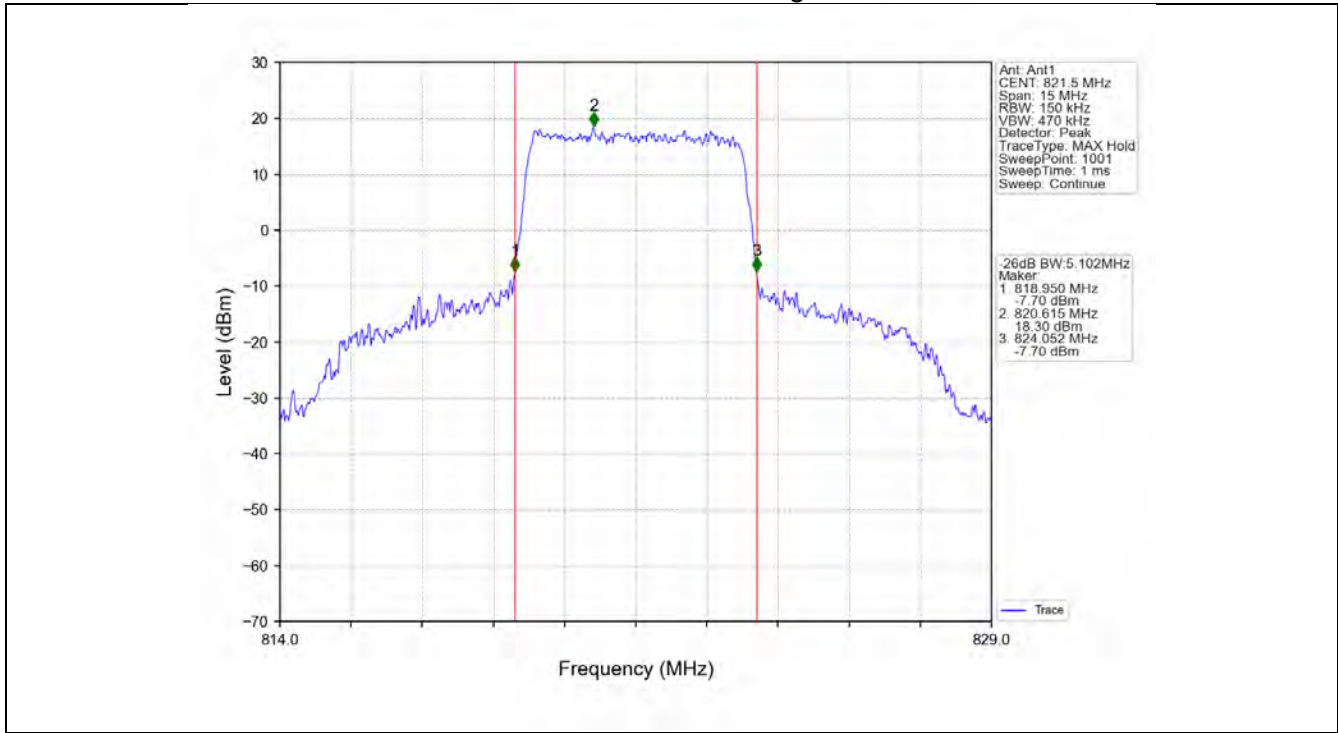
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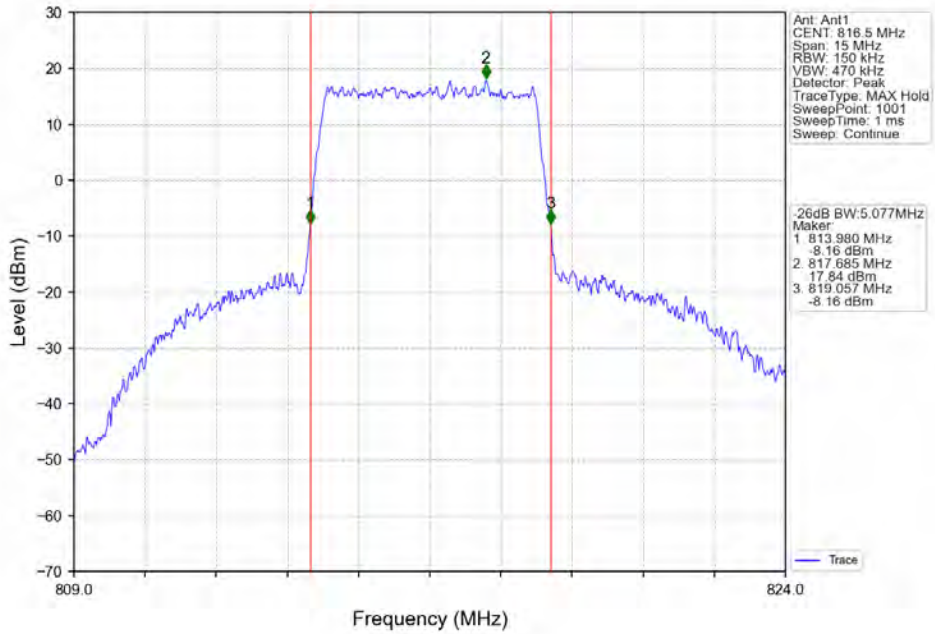


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Band26a\_5MHz\_64QAM\_LCH\_816.5MHz\_RB\_25\_0\_NTNV



Band26a\_5MHz\_64QAM\_MCH\_819MHz\_RB\_25\_0\_NTNV

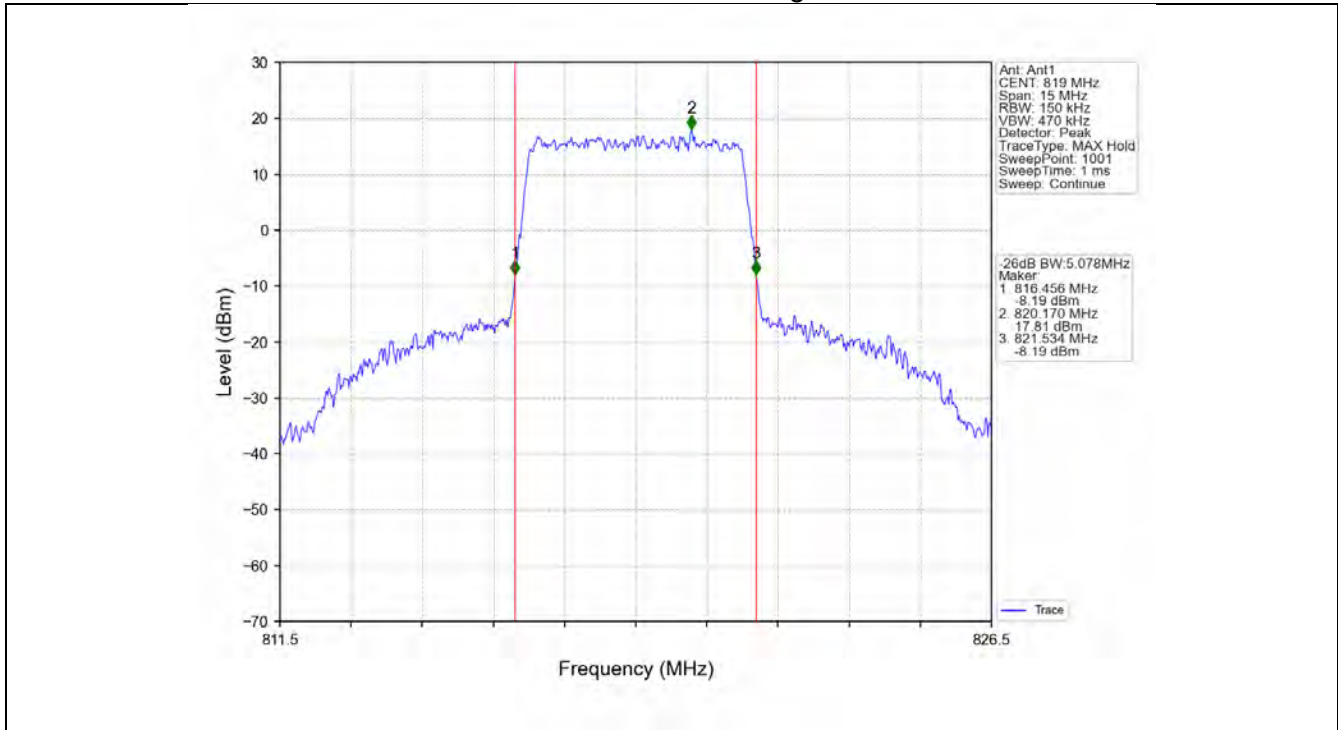


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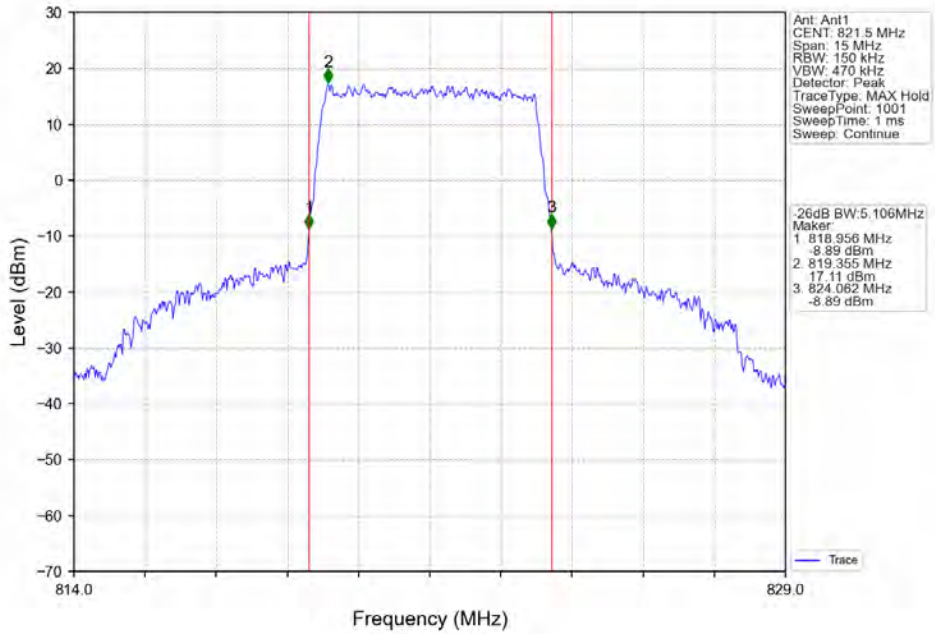


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Band26a\_5MHz\_64QAM\_HCH\_821.5MHz\_RB\_25\_0\_NTNV



Band26a\_10MHz\_QPSK\_MCH\_819MHz\_RB\_50\_0\_NTNV



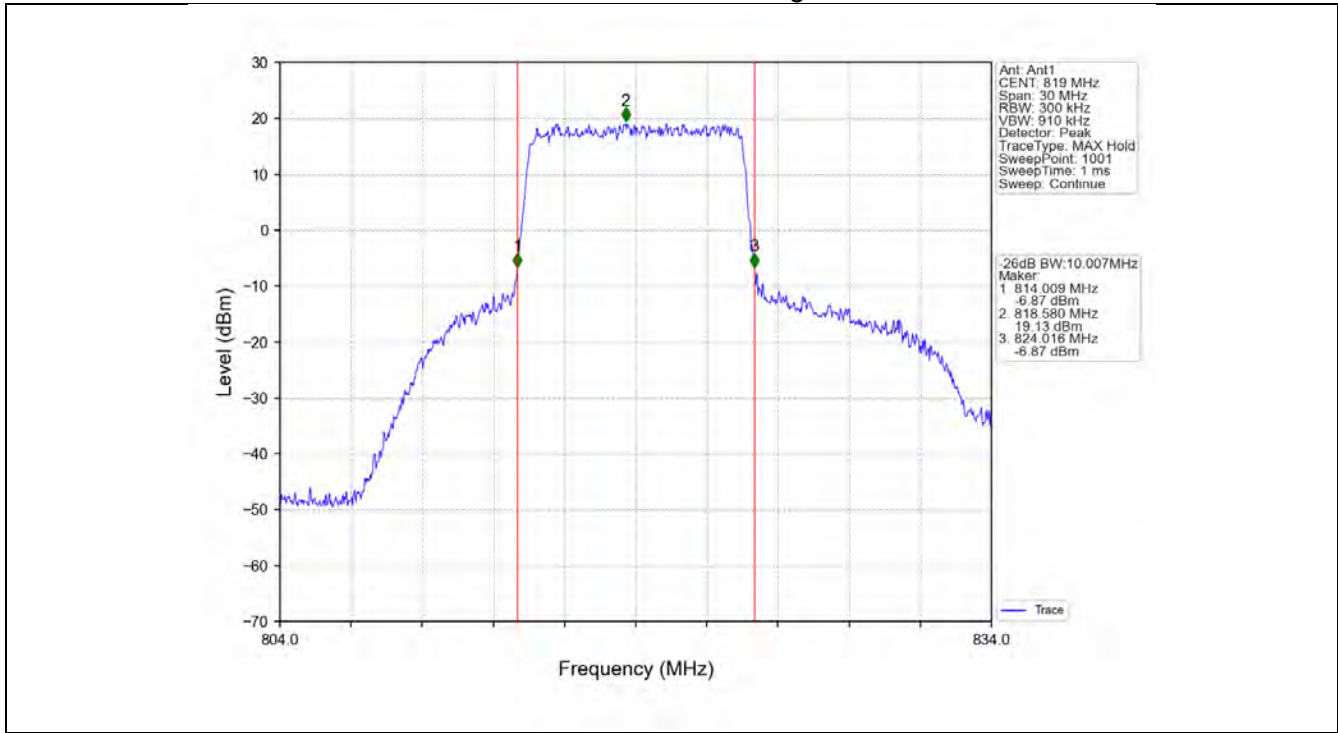
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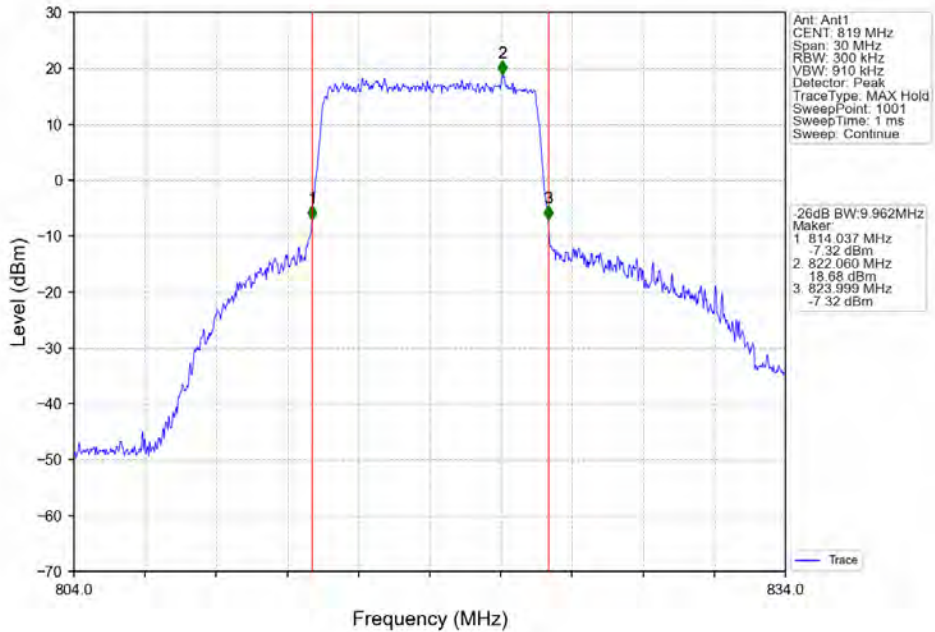


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Band26a\_10MHz\_16QAM\_MCH\_819MHz\_RB\_50\_0\_NTNV



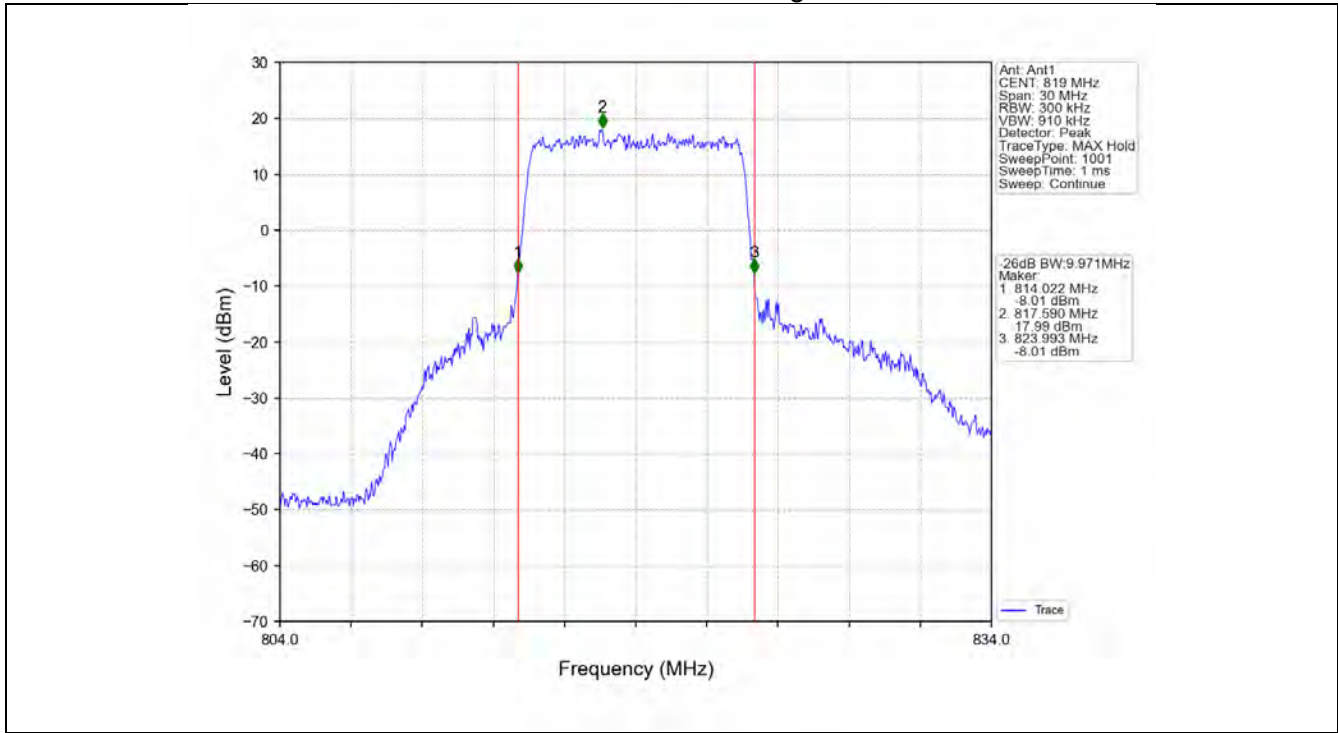
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#### 4. Peak-Average Ratio

##### 4.1 B26a\_1.4MHz

##### 4.1.1 Test Result

Band: 26a / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	6	0	4.67	<=13	Pass
	819	6	0	4.28	<=13	Pass
	823.3	6	0	4.08	<=13	Pass
16QAM	814.7	6	0	5.49	<=13	Pass
	819	6	0	5.13	<=13	Pass
	823.3	6	0	4.93	<=13	Pass
64QAM	814.7	6	0	5.80	<=13	Pass
	819	6	0	5.52	<=13	Pass
	823.3	6	0	5.34	<=13	Pass

##### 4.2 B26a\_3MHz

##### 4.2.1 Test Result

Band: 26a / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	815.5	15	0	4.74	<=13	Pass
	819	15	0	4.43	<=13	Pass
	822.5	15	0	4.28	<=13	Pass
16QAM	815.5	15	0	5.52	<=13	Pass
	819	15	0	5.21	<=13	Pass
	822.5	15	0	5.08	<=13	Pass
64QAM	815.5	15	0	6.00	<=13	Pass
	819	15	0	5.75	<=13	Pass
	822.5	15	0	5.63	<=13	Pass



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4.3 B26a\_5MHz

4.3.1 Test Result

Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	25	0	4.91	<=13	Pass
	819	25	0	4.77	<=13	Pass
	821.5	25	0	4.69	<=13	Pass
16QAM	816.5	25	0	5.65	<=13	Pass
	819	25	0	5.49	<=13	Pass
	821.5	25	0	5.41	<=13	Pass
64QAM	816.5	25	0	6.06	<=13	Pass
	819	25	0	5.95	<=13	Pass
	821.5	25	0	5.87	<=13	Pass

4.4 B26a\_10MHz

4.4.1 Test Result

Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	50	0	4.88	<=13	Pass
16QAM	819	50	0	5.62	<=13	Pass
64QAM	819	50	0	6.01	<=13	Pass



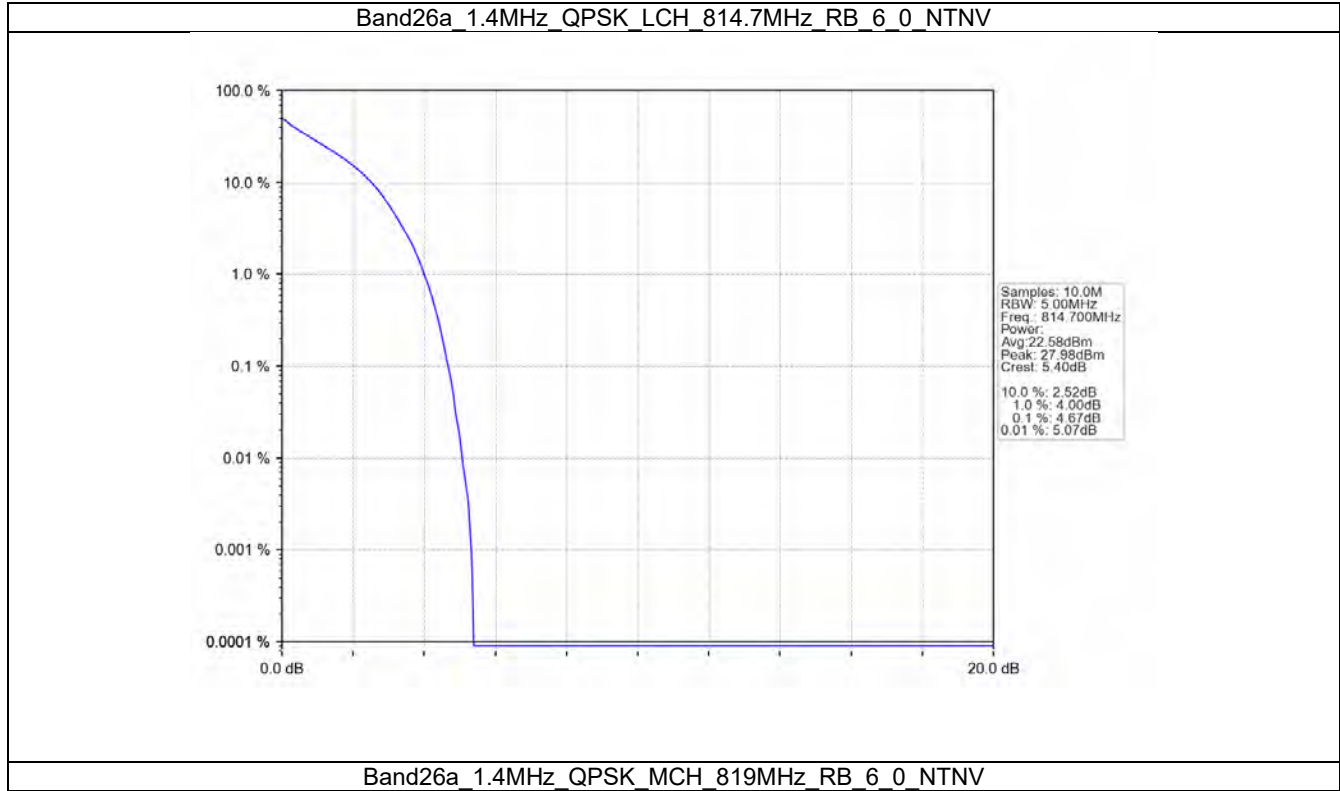
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4.1 B26a\_1.4MHz

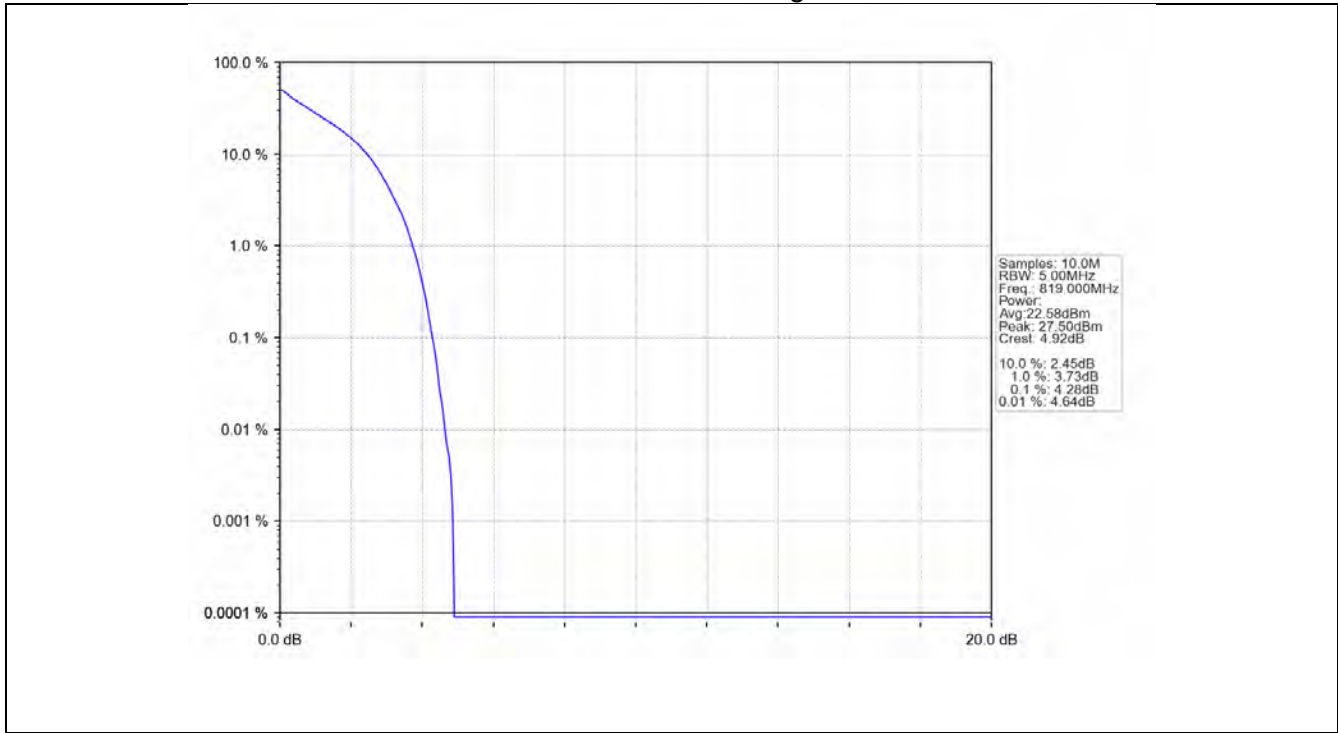
4.1.2 Test Graph



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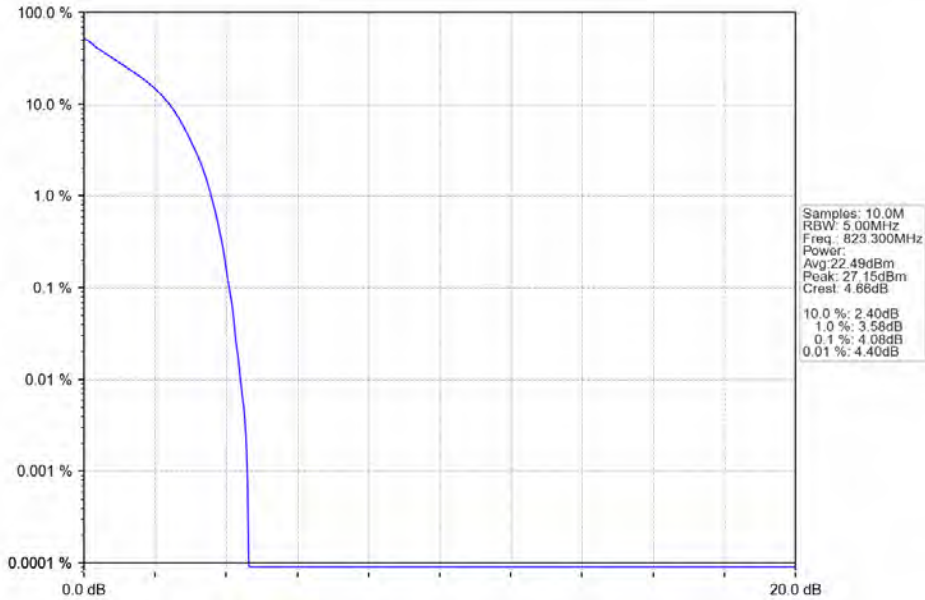
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Band26a 1.4MHz QPSK HCH 823.3MHz\_RB\_6\_0\_NTNV



Band26a 1.4MHz 16QAM LCH 814.7MHz\_RB\_6\_0\_NTNV



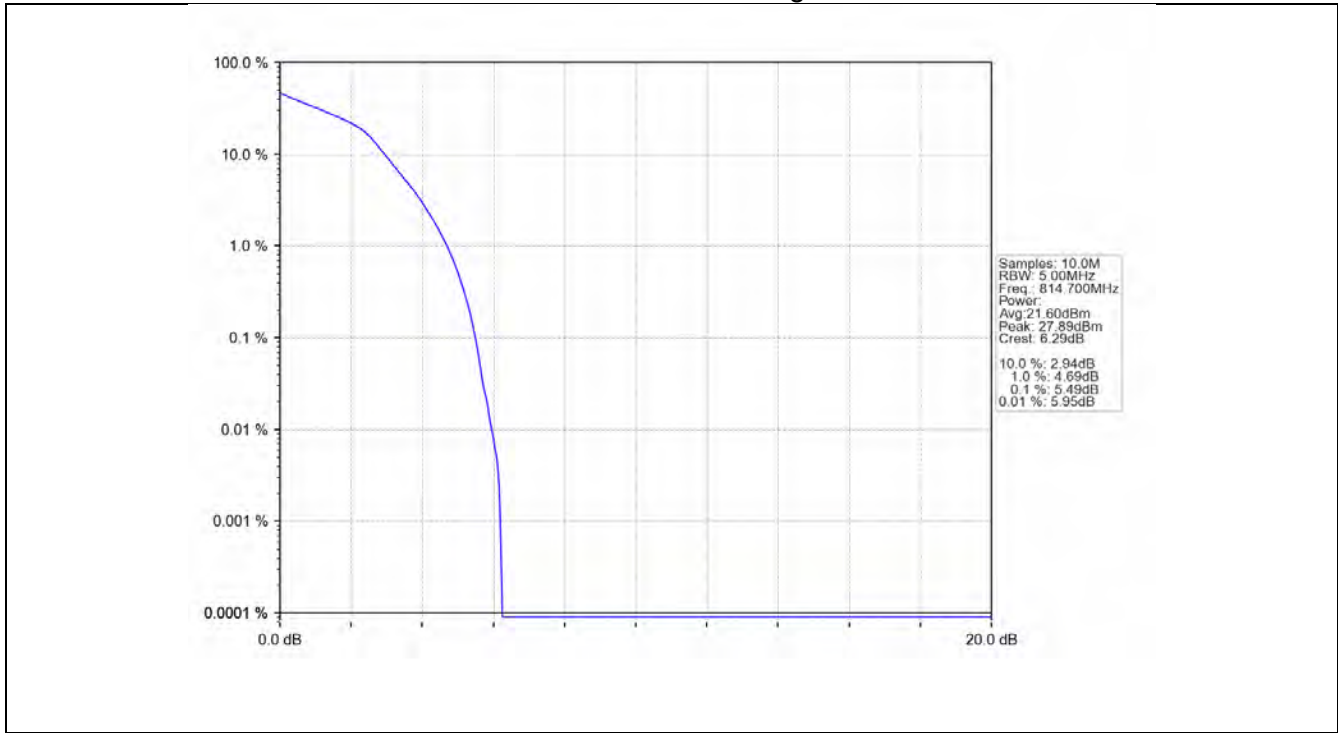
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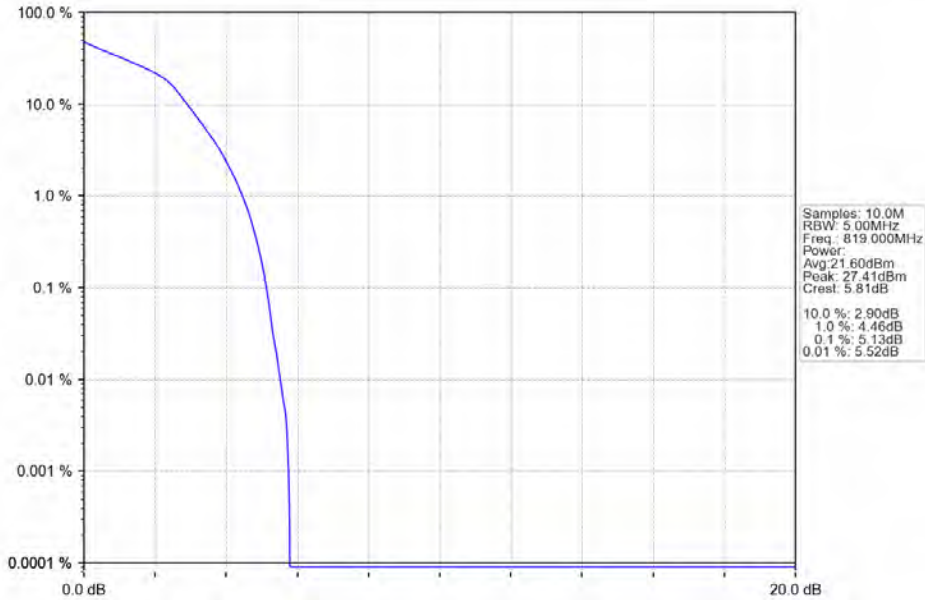


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Band26a 1.4MHz 16QAM MCH 819MHz\_RB\_6\_0\_NTNV



Band26a 1.4MHz 16QAM HCH 823.3MHz\_RB\_6\_0\_NTNV

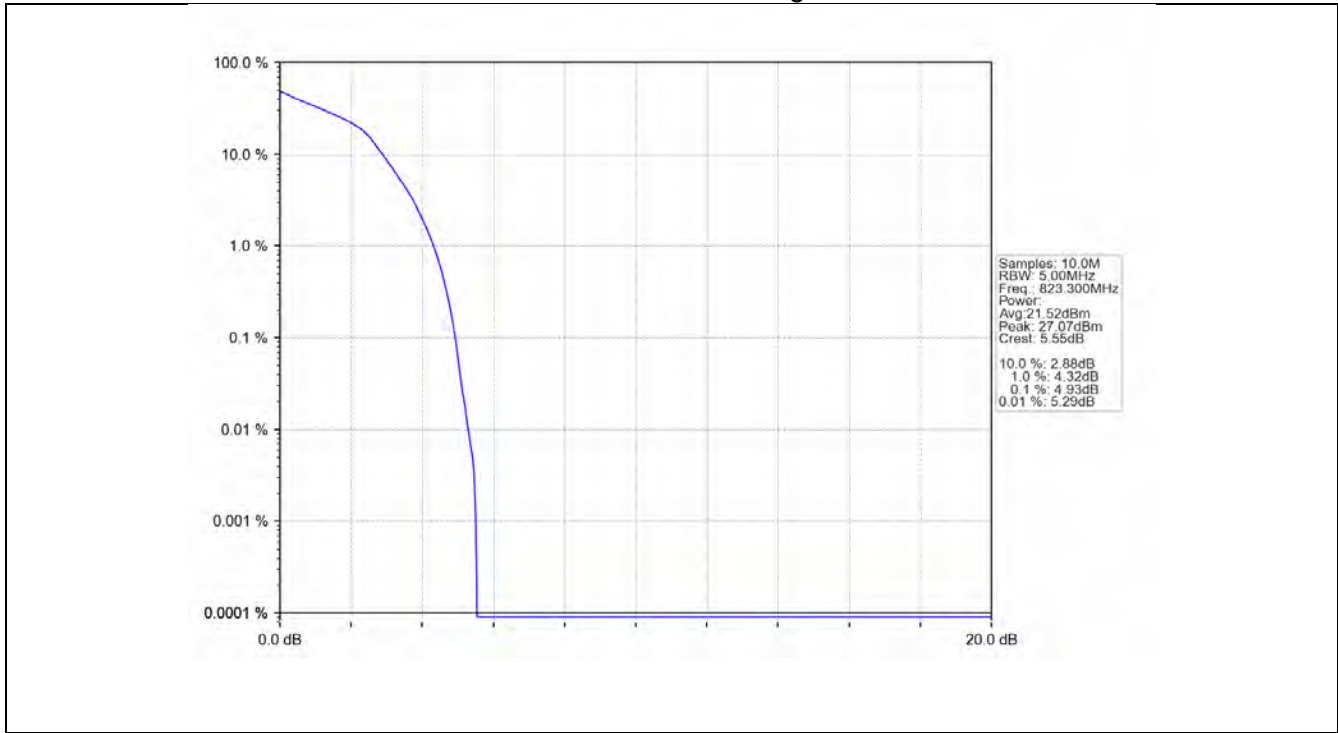


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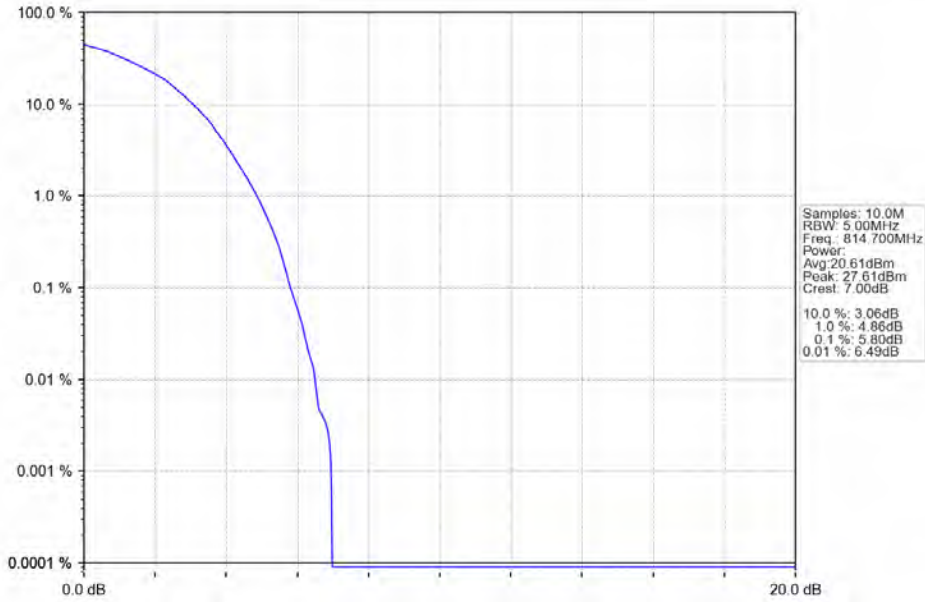
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Band26a\_1.4MHz\_64QAM\_LCH\_814.7MHz\_RB\_6\_0\_NTNV



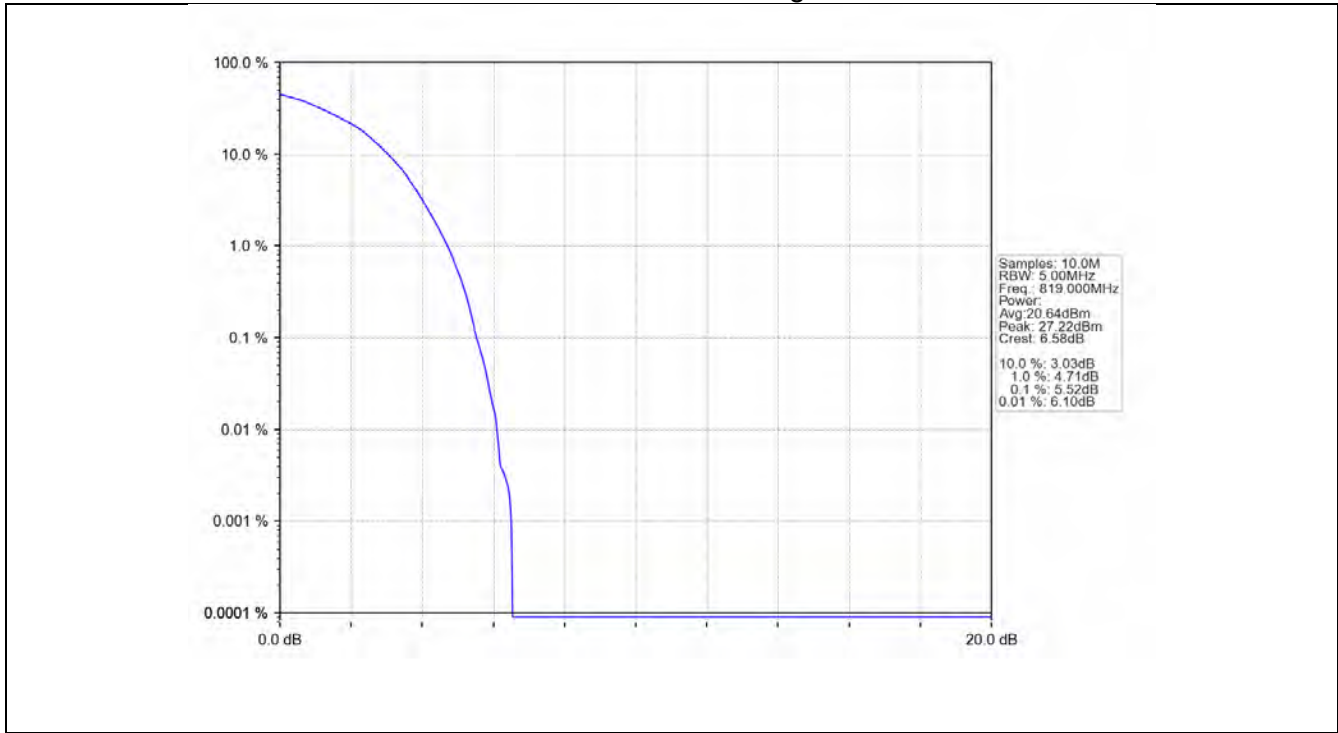
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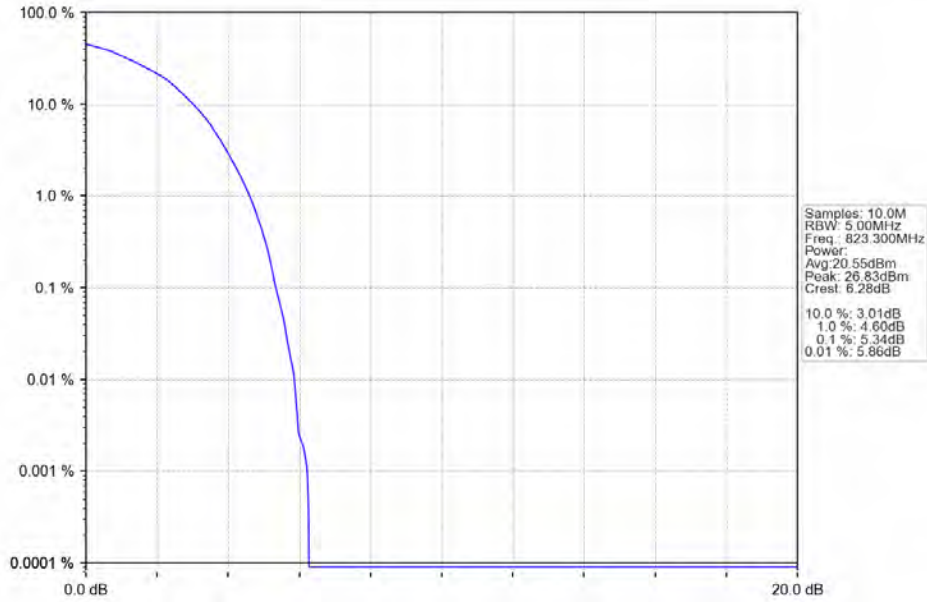


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Band26a\_1.4MHz\_64QAM\_HCH\_823.3MHz\_RB\_6\_0\_NTNV



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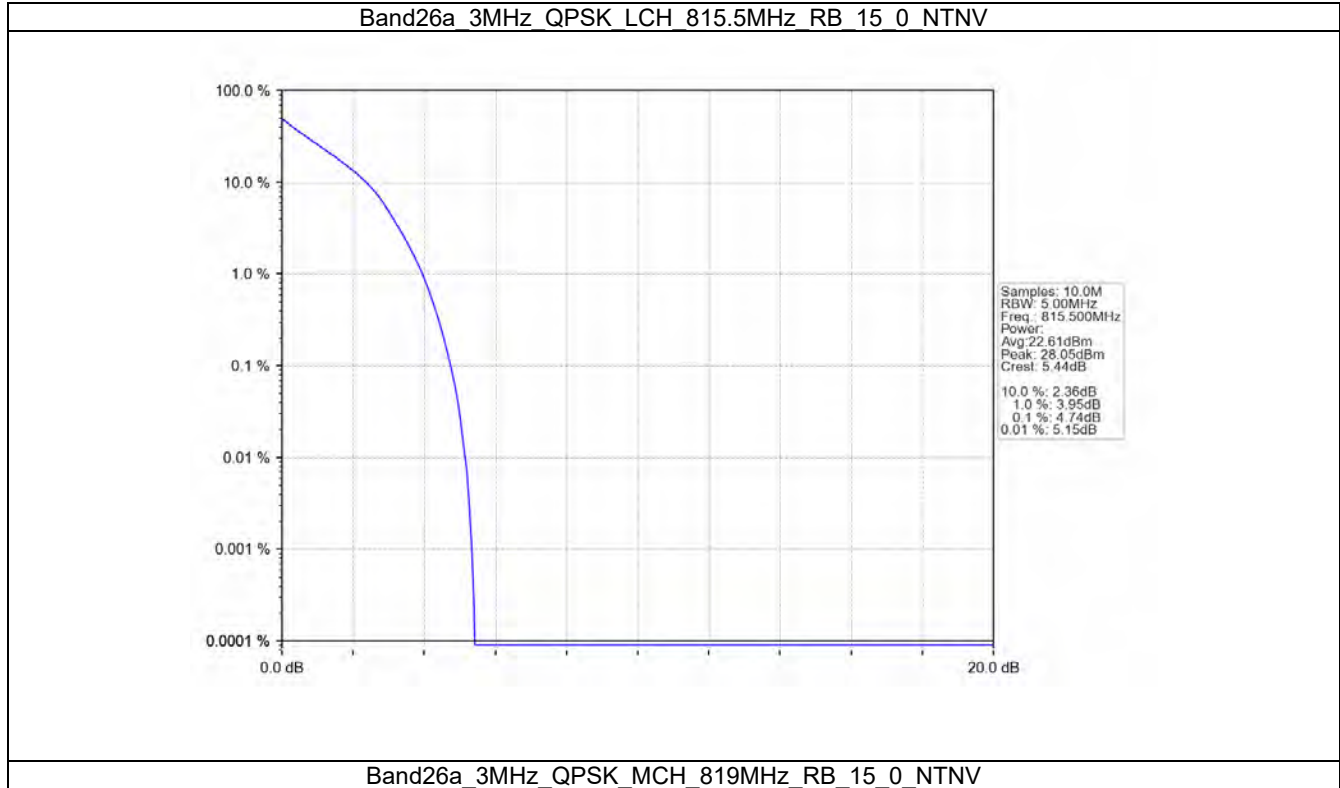
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4.2 B26a\_3MHz

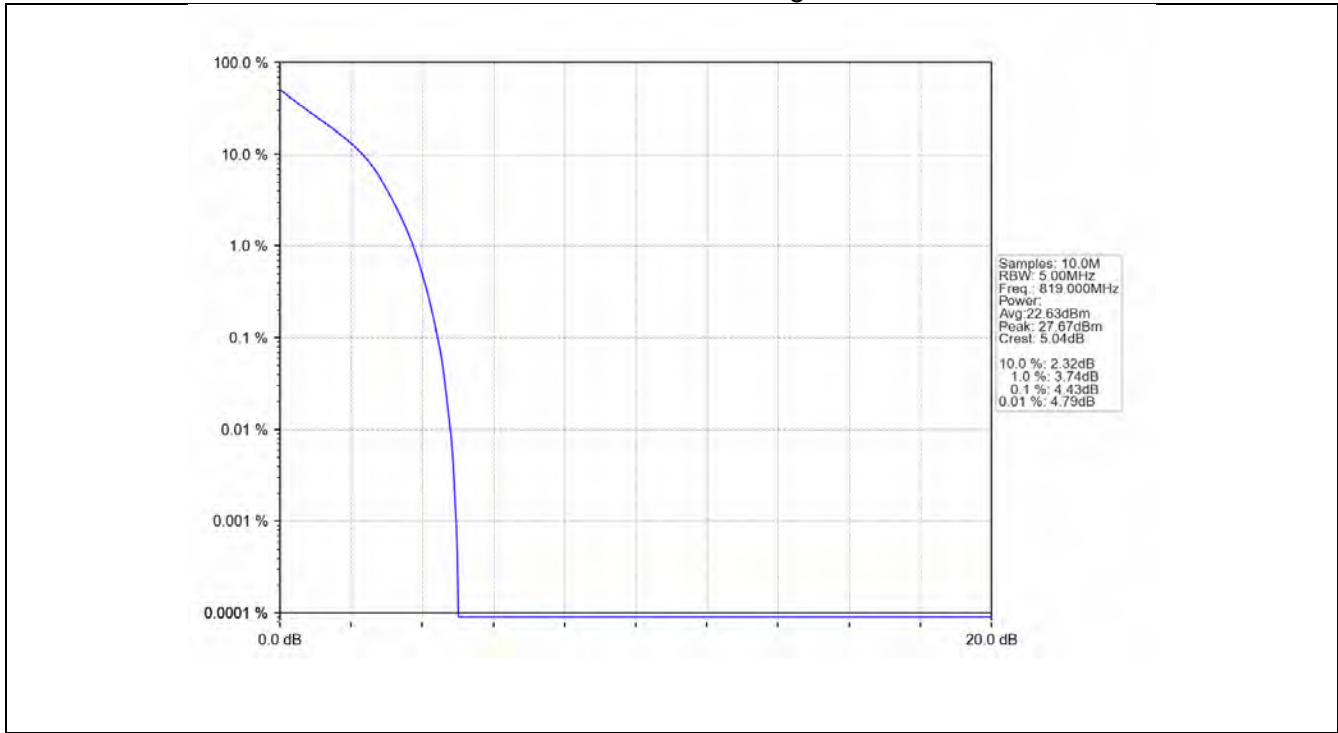
4.2.2 Test Graph



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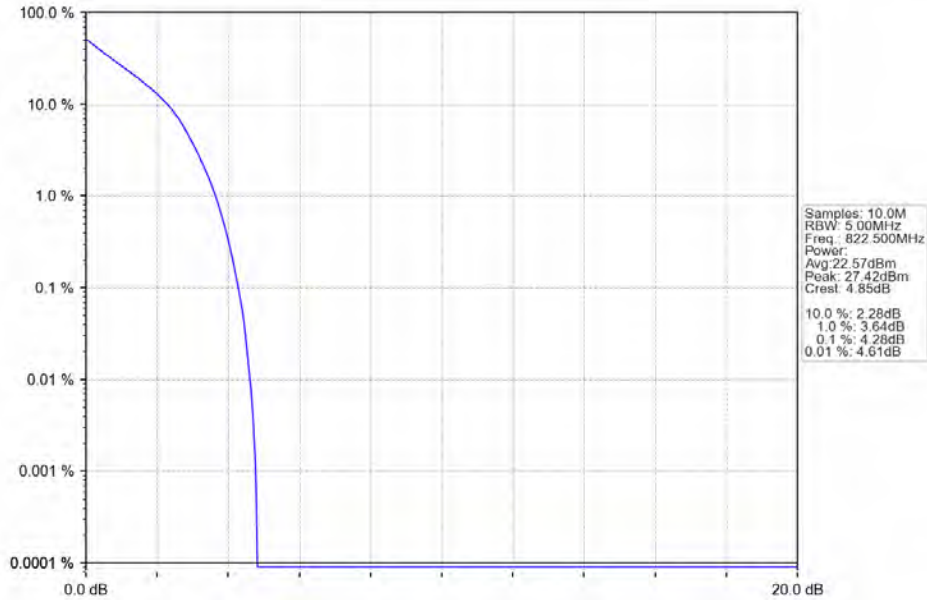


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Band26a 3MHz QPSK HCH 822.5MHz\_RB\_15\_0\_NTNV



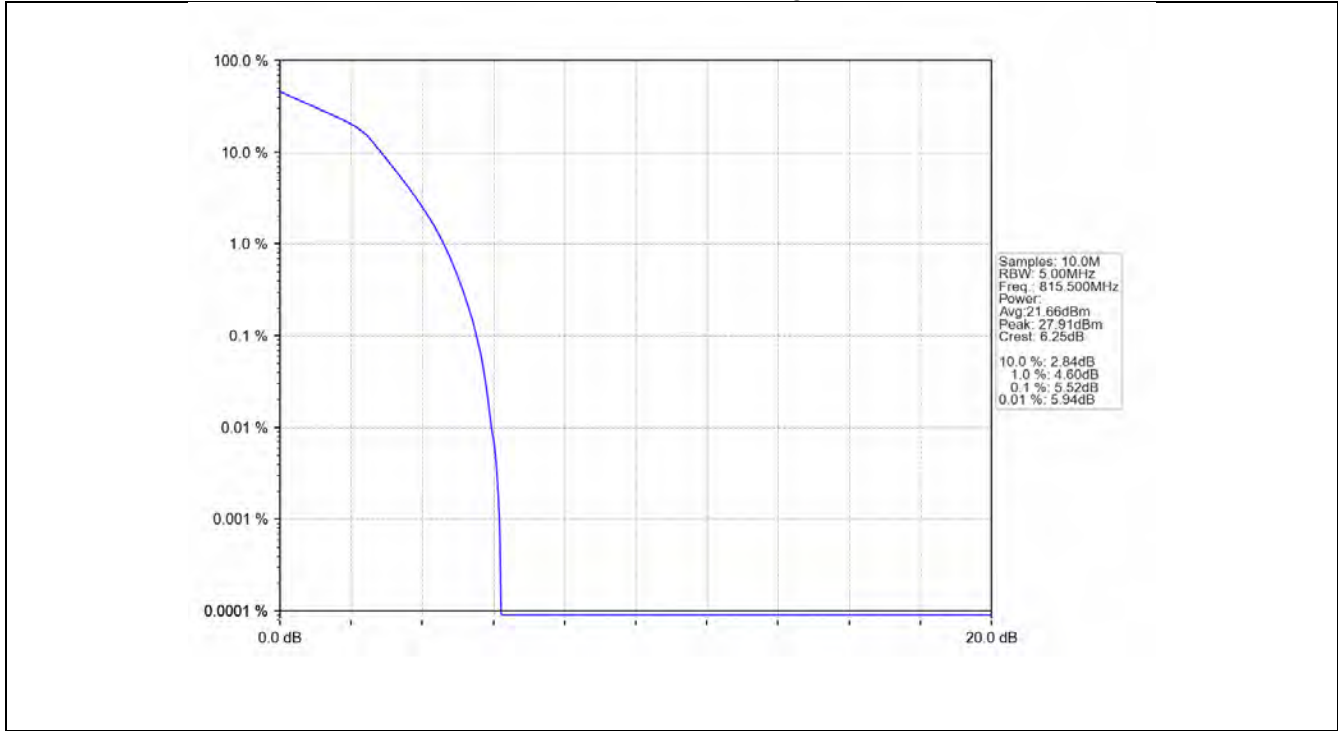
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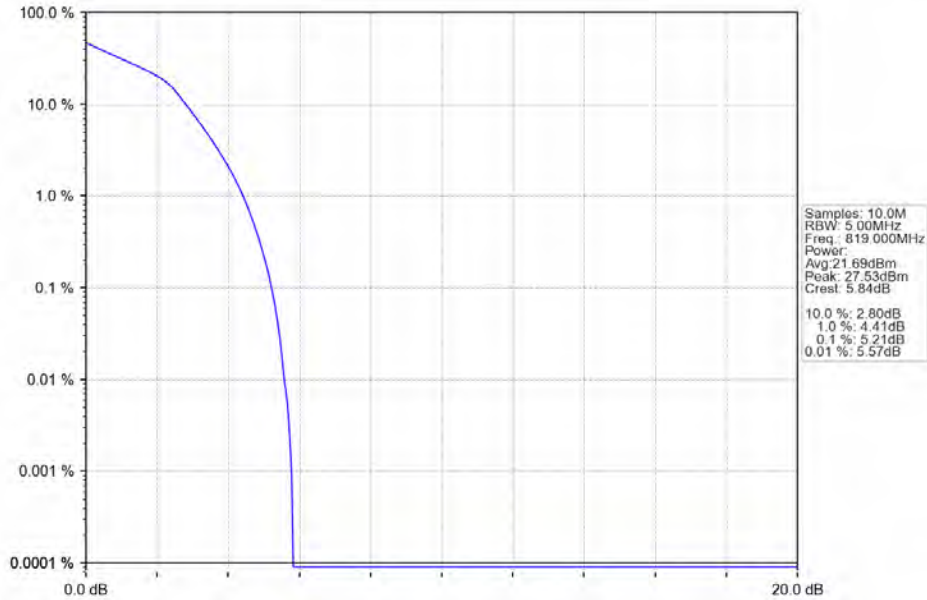


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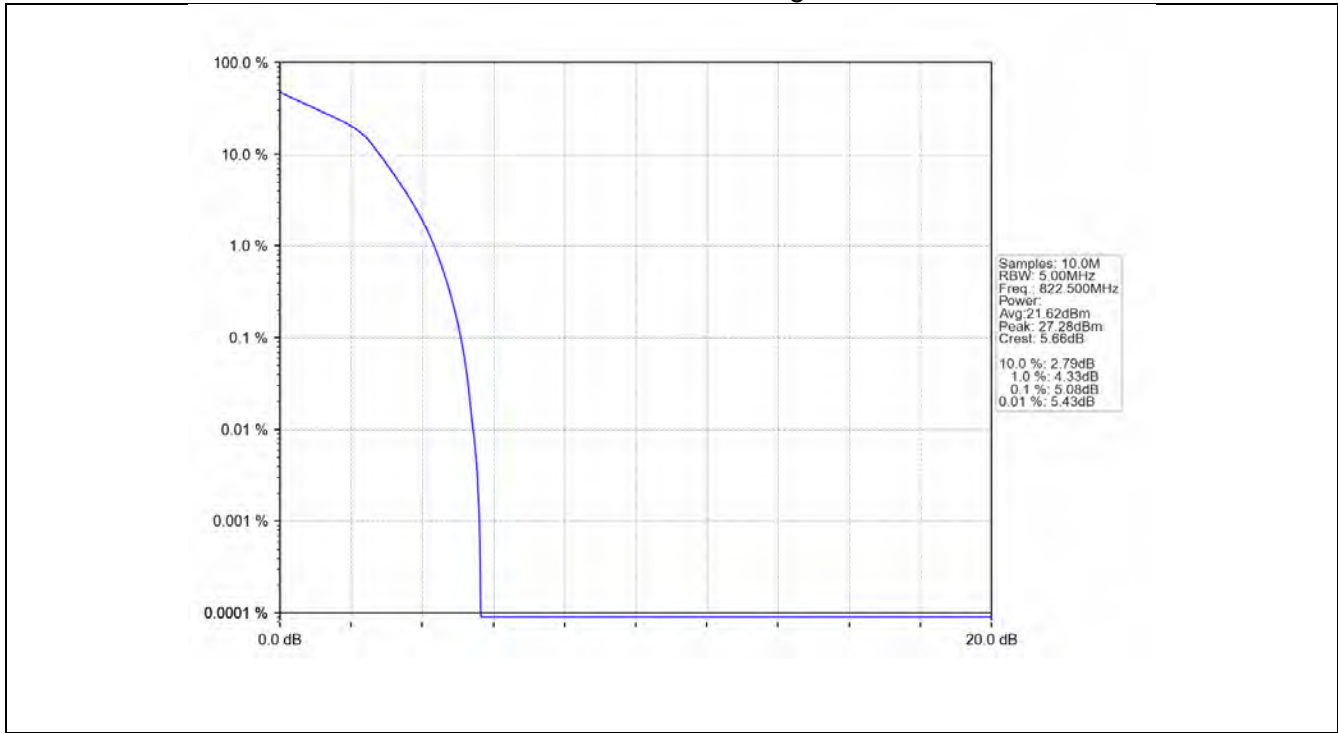


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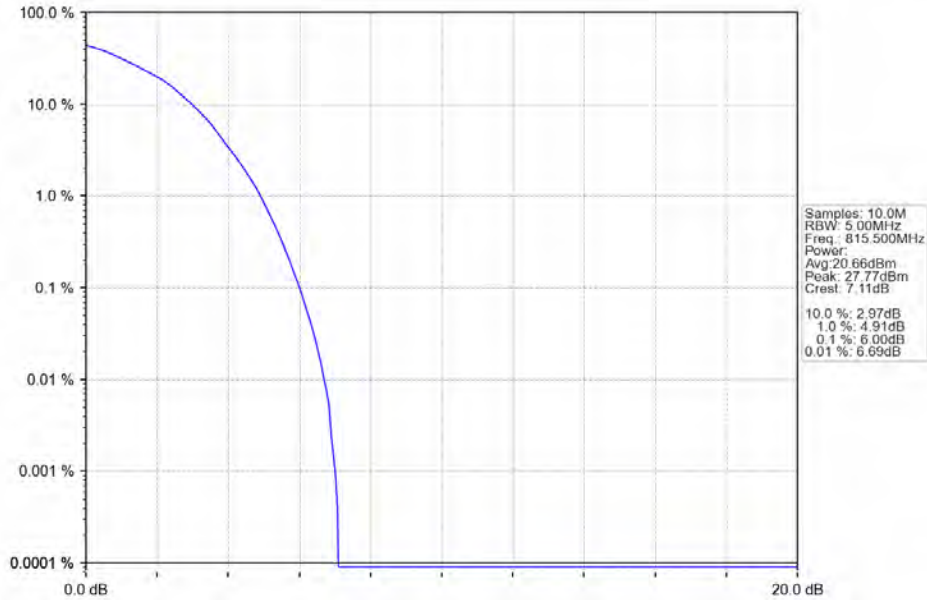


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Band26a\_3MHz\_64QAM\_LCH\_815.5MHz\_RB\_15\_0\_NTNV



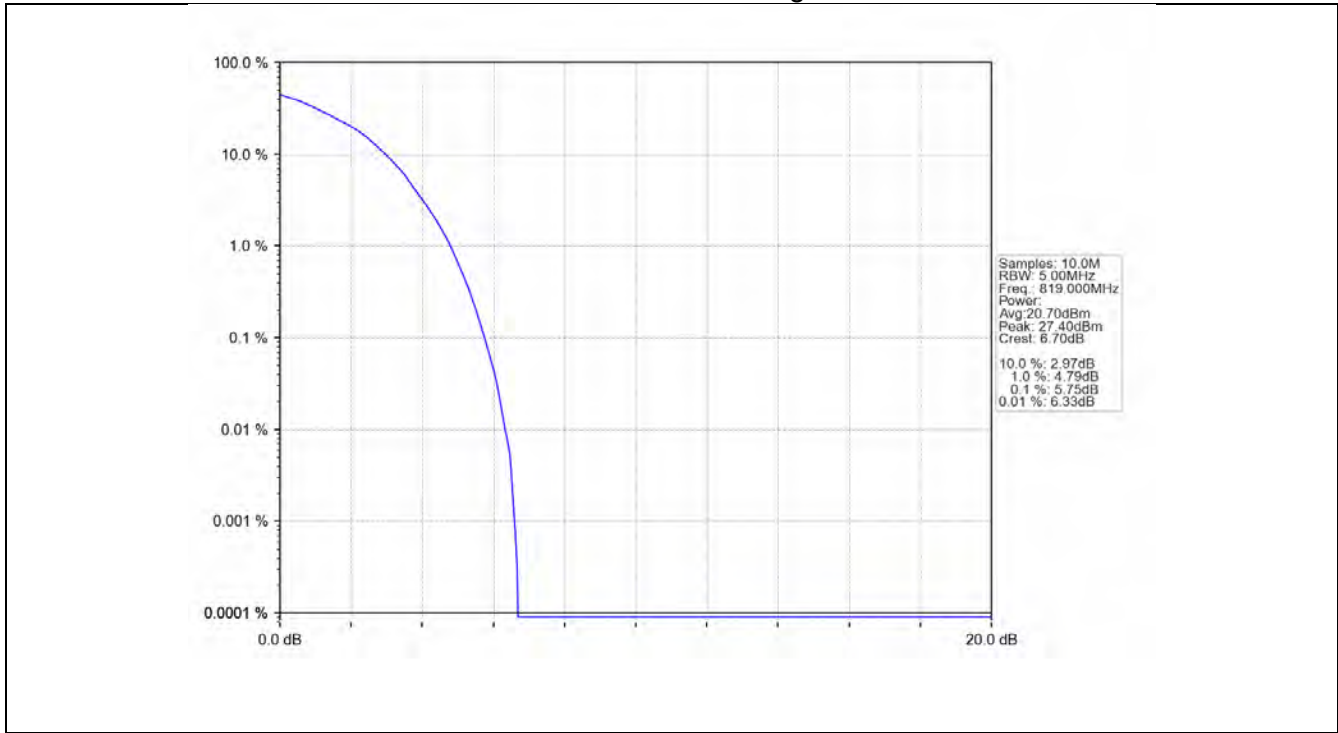
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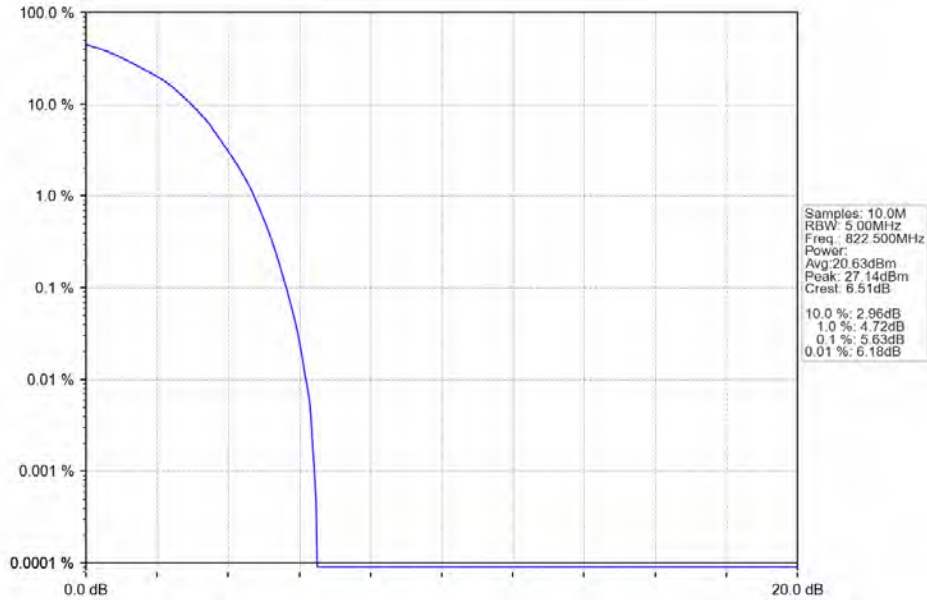


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Band26a\_3MHz\_64QAM\_HCH\_822.5MHz\_RB\_15\_0\_NTNV



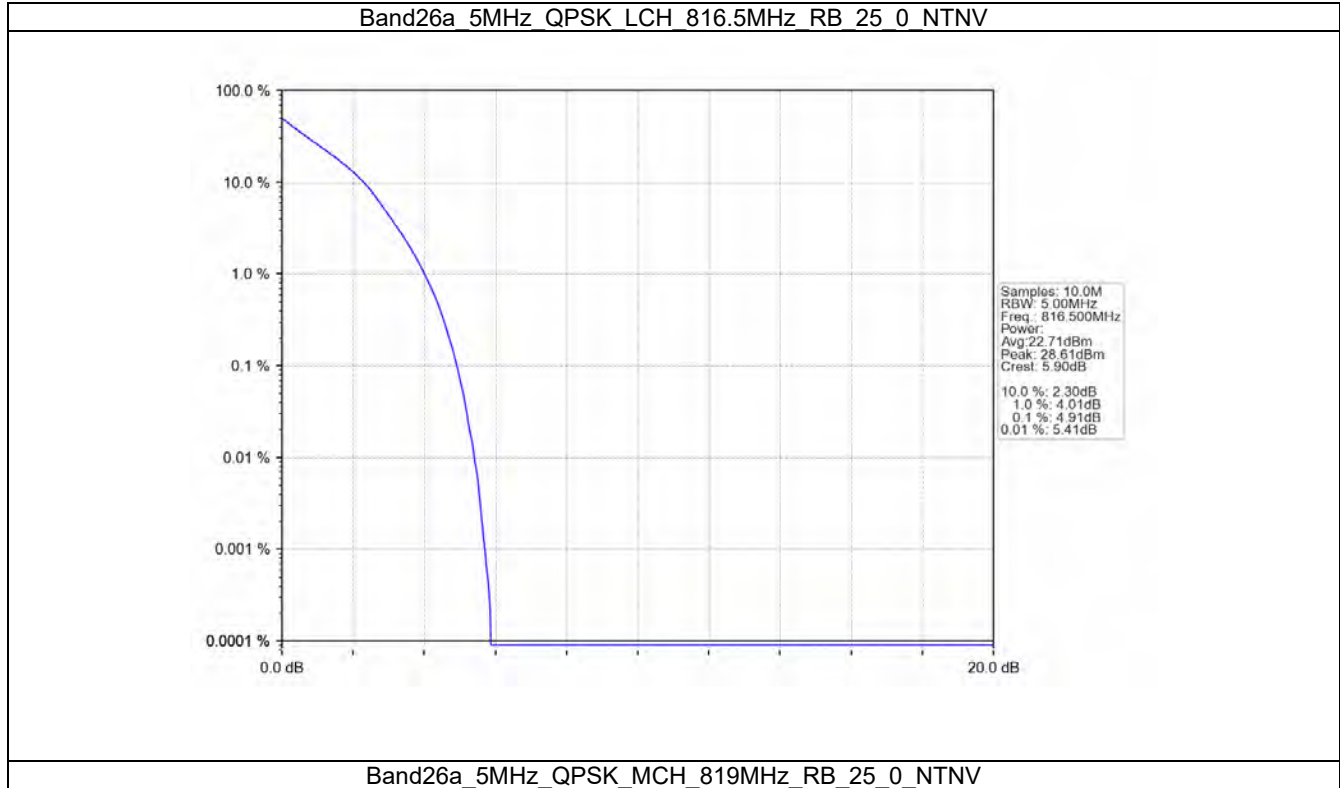
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4.3 B26a\_5MHz

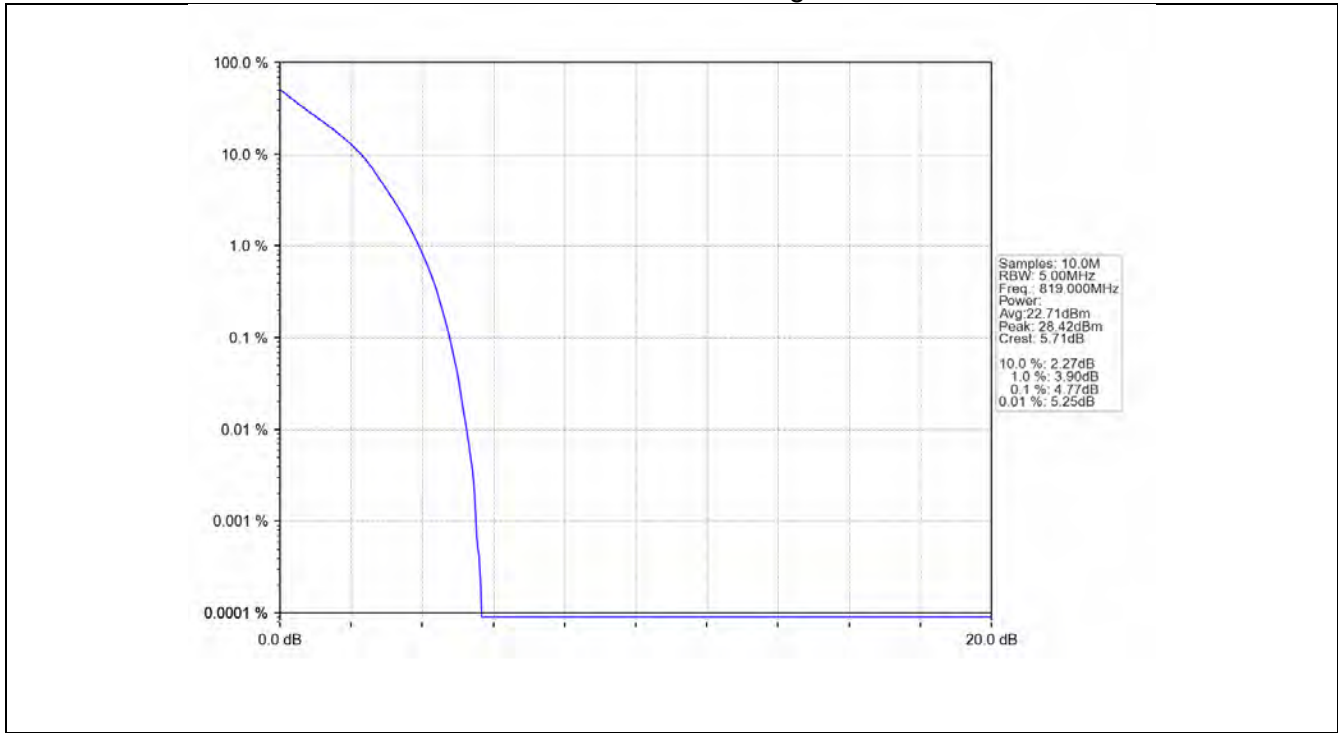
4.3.2 Test Graph



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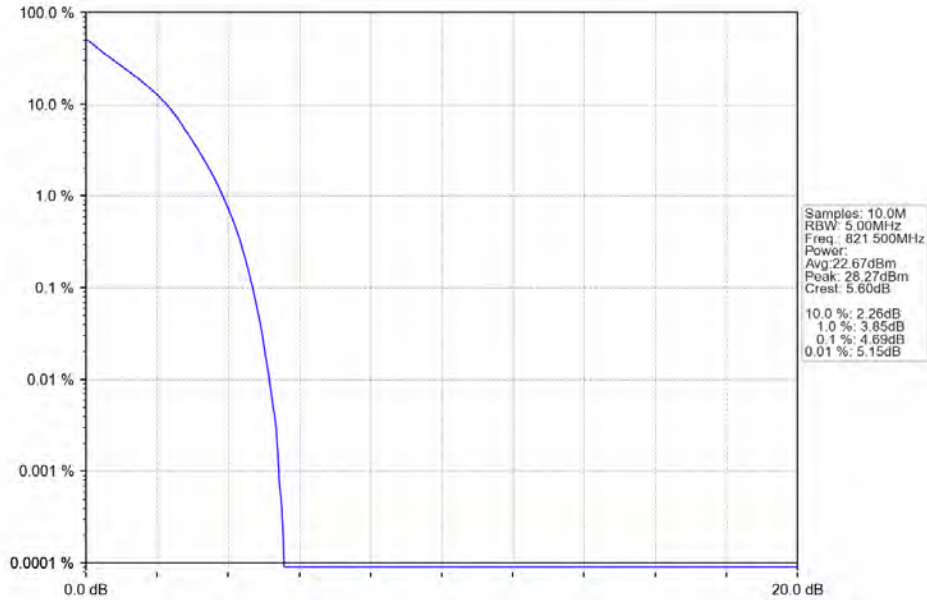


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Band26a 5MHz QPSK HCH 821.5MHz\_RB\_25\_0\_NTNV



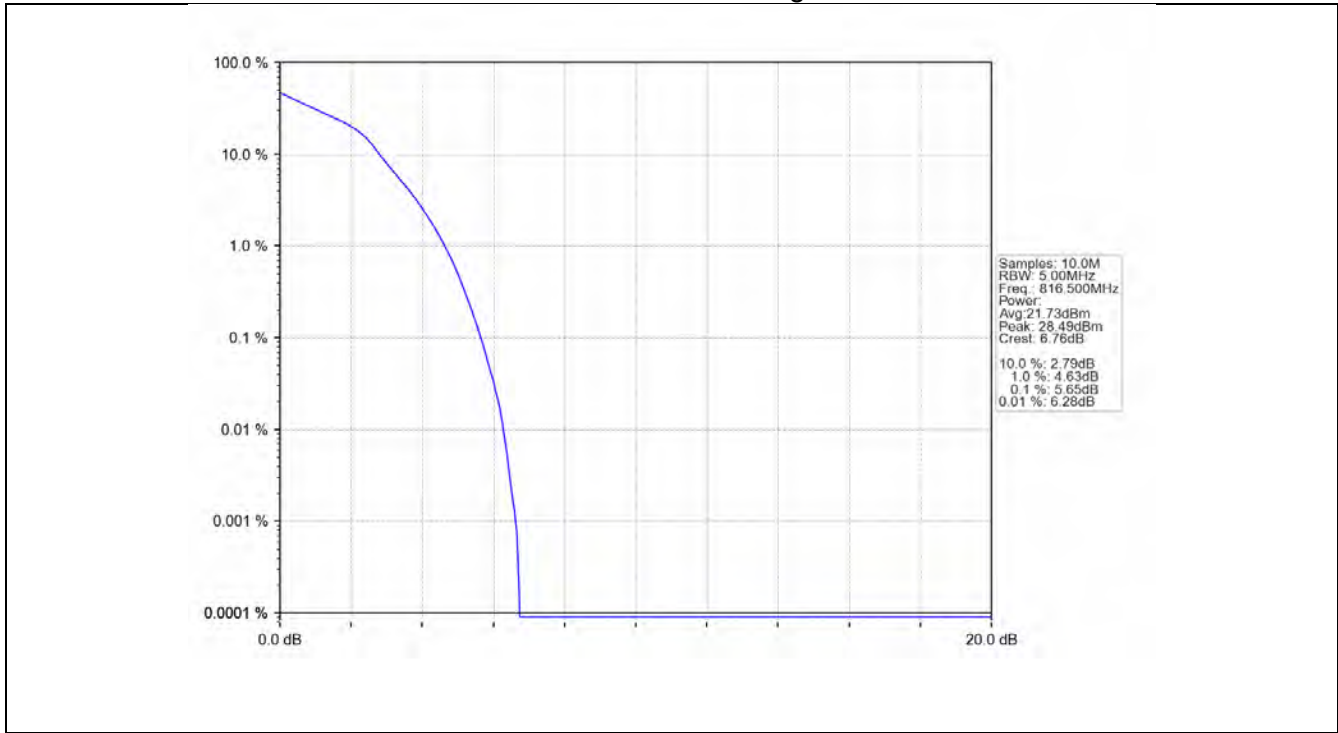
Band26a 5MHz 16QAM LCH 816.5MHz\_RB\_25\_0\_NTNV



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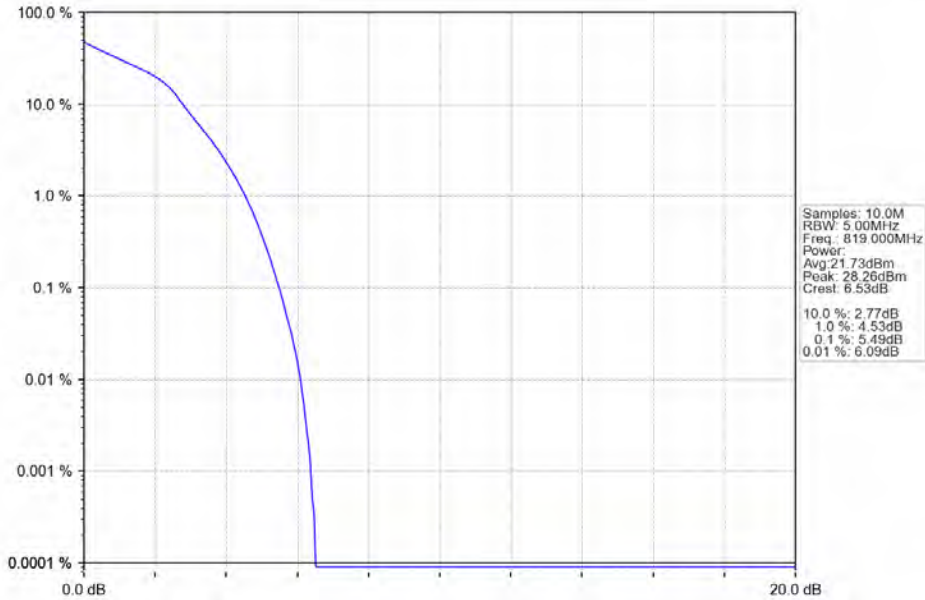
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Band26a\_5MHz\_16QAM\_MCH\_819MHz\_RB\_25\_0\_NTNV



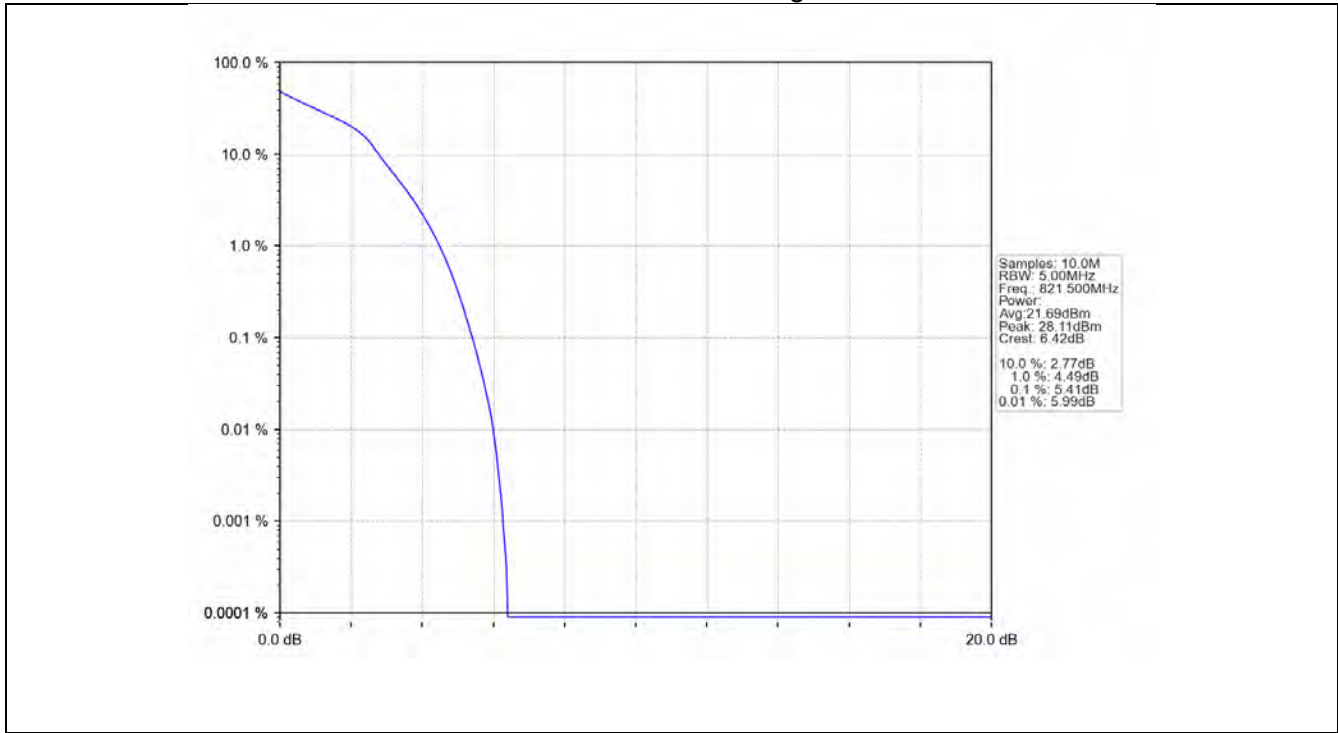
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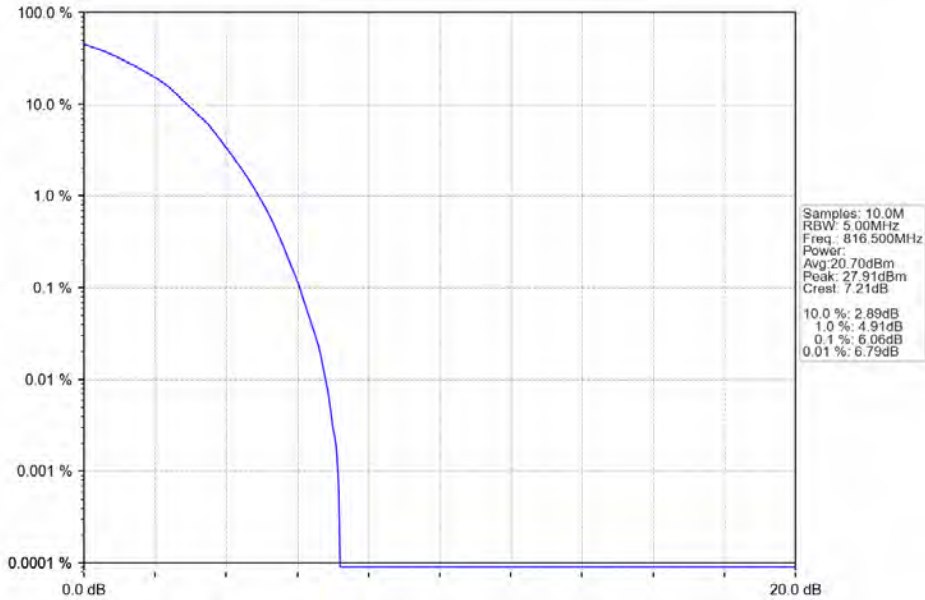


Report No.: SUCR240200003402

Rev.: 01

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Band26a\_5MHz\_64QAM\_LCH\_816.5MHz\_RB\_25\_0\_NTNV



Band26a\_5MHz\_64QAM\_MCH\_819MHz\_RB\_25\_0\_NTNV



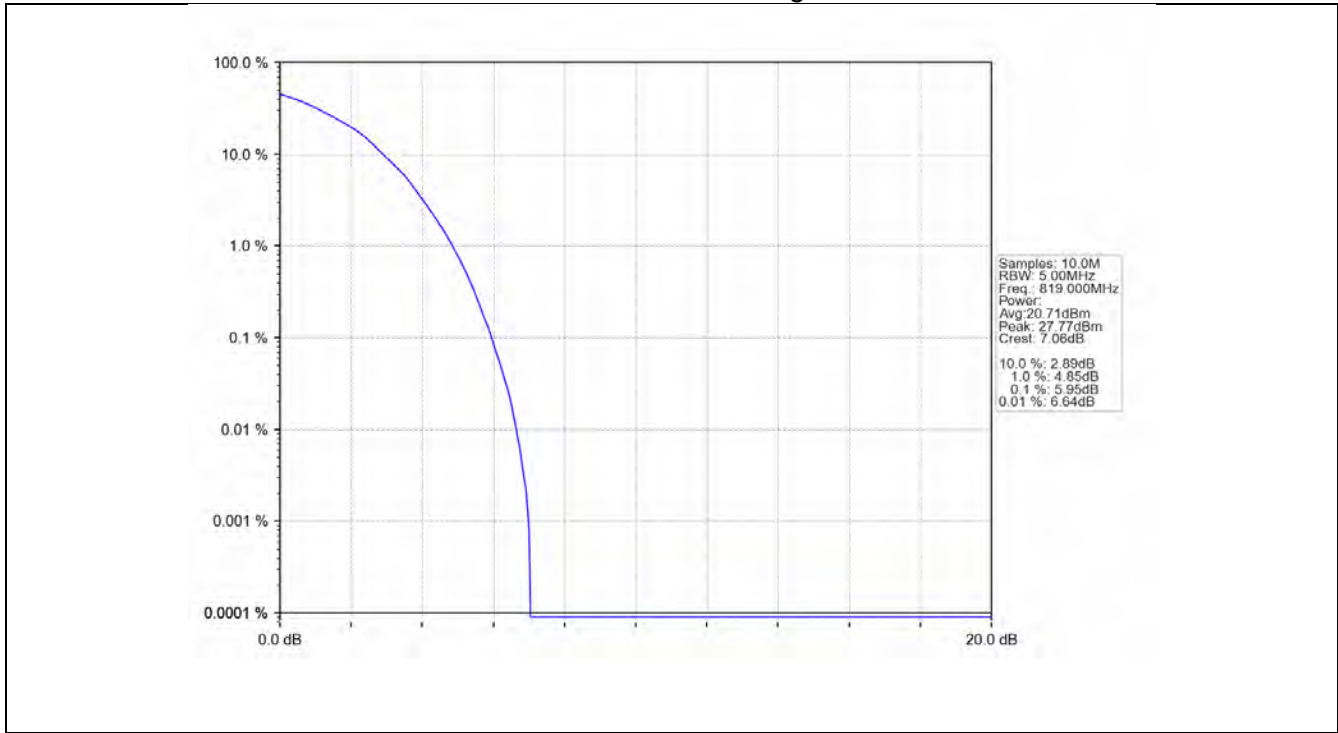
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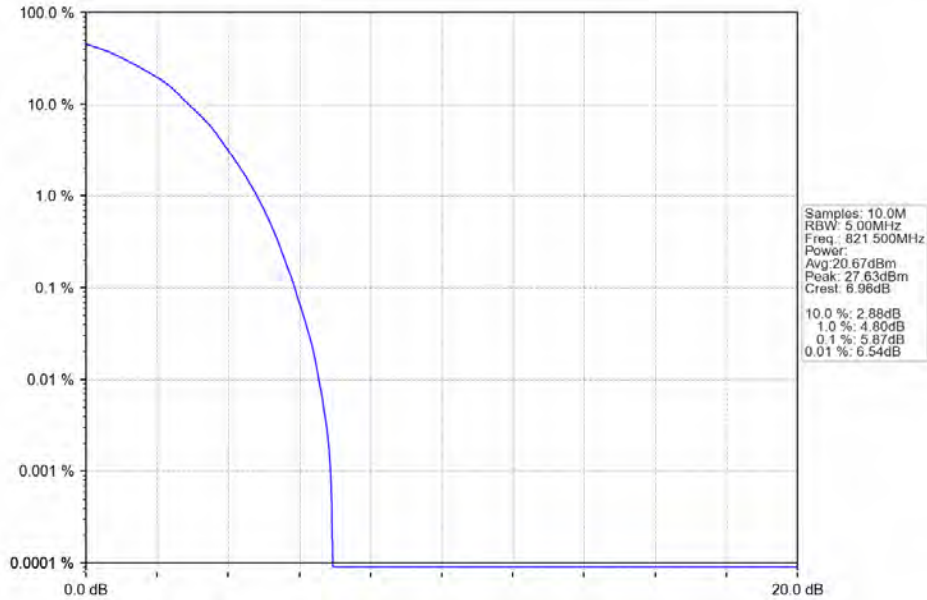


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4.4 B26a\_10MHz

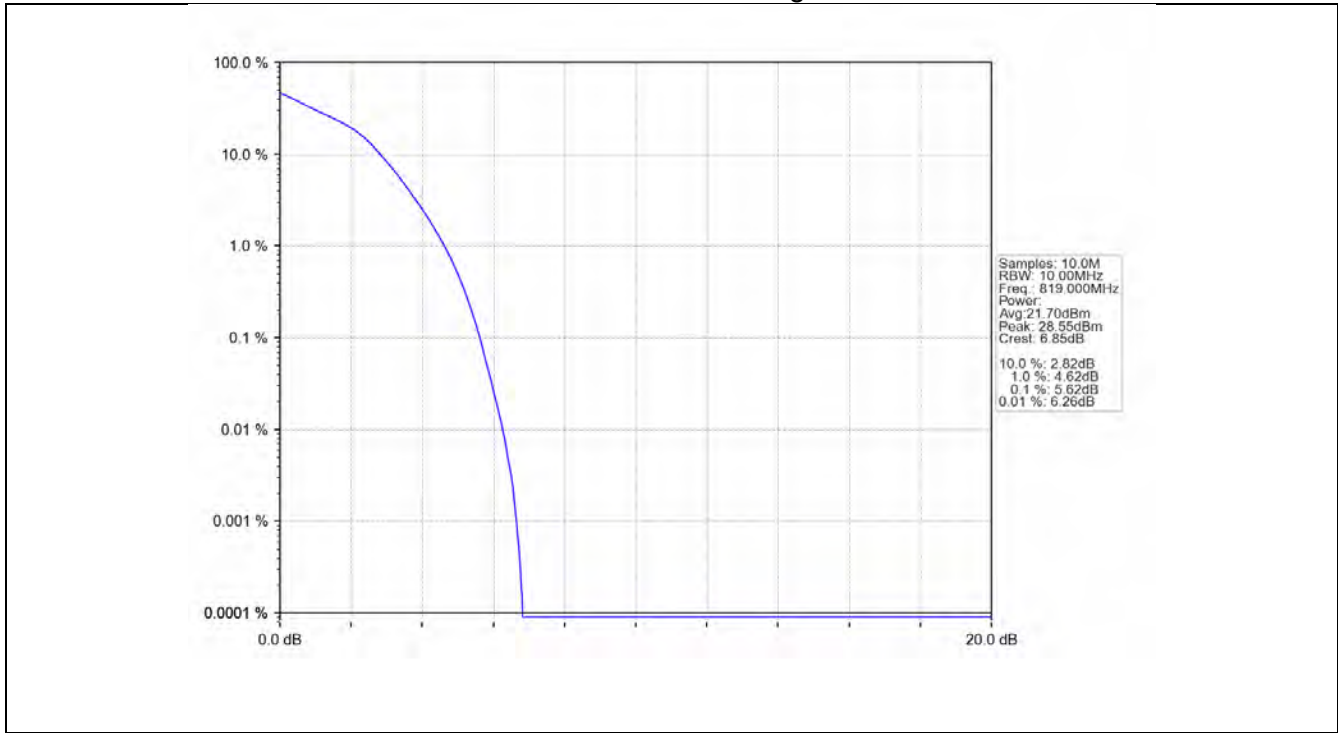
4.4.2 Test Graph



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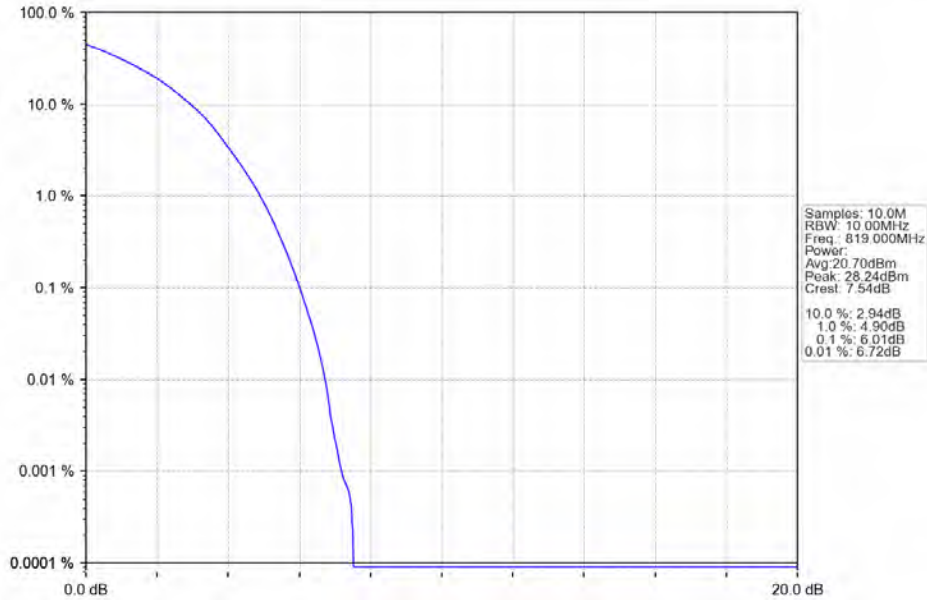


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Band26a\_10MHz\_64QAM\_MCH\_819MHz\_RB\_50\_0\_NTNV



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## 5. Spurious Emission & Band Edges

### 5.1 B26a\_1.4MHz

#### 5.1.1 Test Result

Band: 26a / Bandwidth: 1.4MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	823.3		5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

### 5.2 B26a\_3MHz

#### 5.2.1 Test Result

Band: 26a / Bandwidth: 3MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	815.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	822.5		14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass



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Rev.: 01
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5.3 B26a\_5MHz

5.3.1 Test Result

Table with 7 columns: Modulation, Frequency (MHz), RB Allocation (Size, Offset), Spurious Emission (Result, Limit), and Verdict. Data for QPSK at 816.5, 819, and 821.5 MHz.

5.4 B26a\_10MHz

5.4.1 Test Result

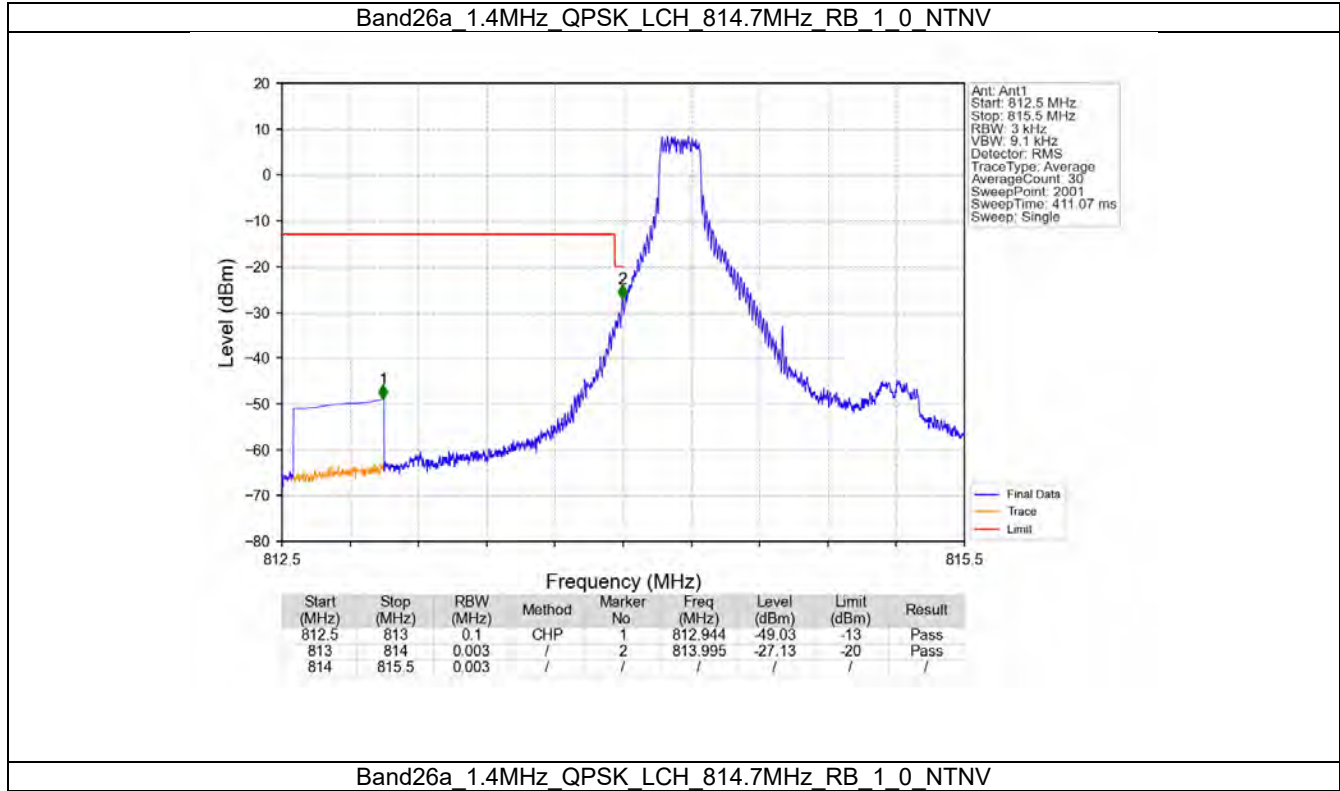
Table with 7 columns: Modulation, Frequency (MHz), RB Allocation (Size, Offset), Spurious Emission (Result, Limit), and Verdict. Data for QPSK at 819 MHz.



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5.1 B26a\_1.4MHz

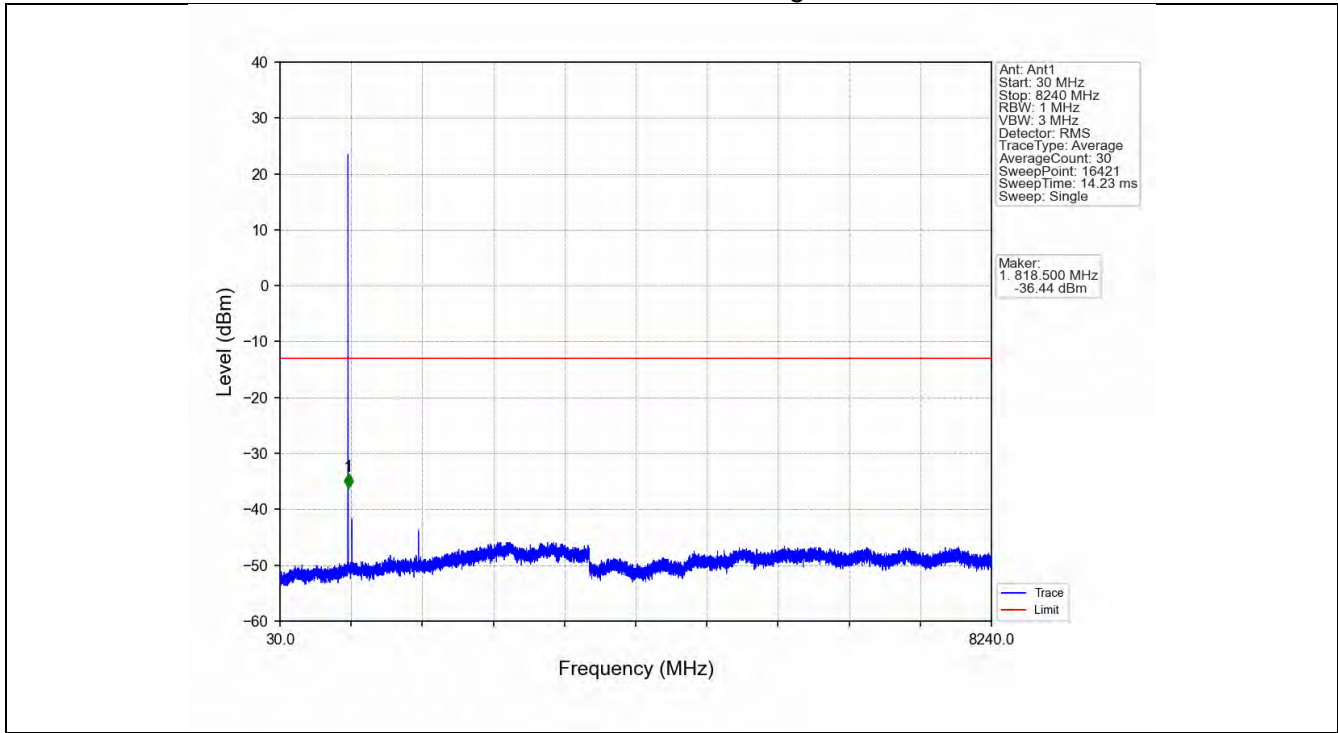
5.1.2 Test Graph



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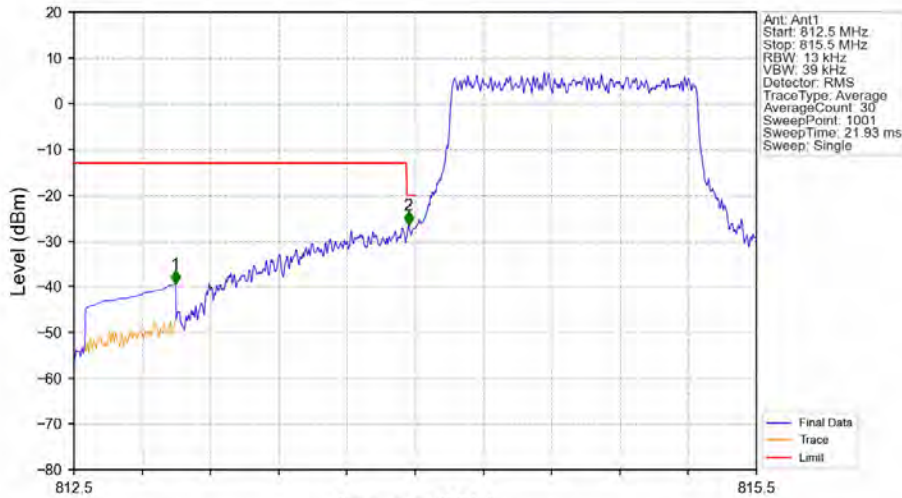


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Band26a 1.4MHz QPSK LCH 814.7MHz\_RB\_6\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
812.5	813	0.1	CHP	1	812.947	-39.38	-13	Pass
813	814	0.013	/	2	813.970	-26.62	-20	Pass
814	815.5	0.013	/	/	/	/	/	/

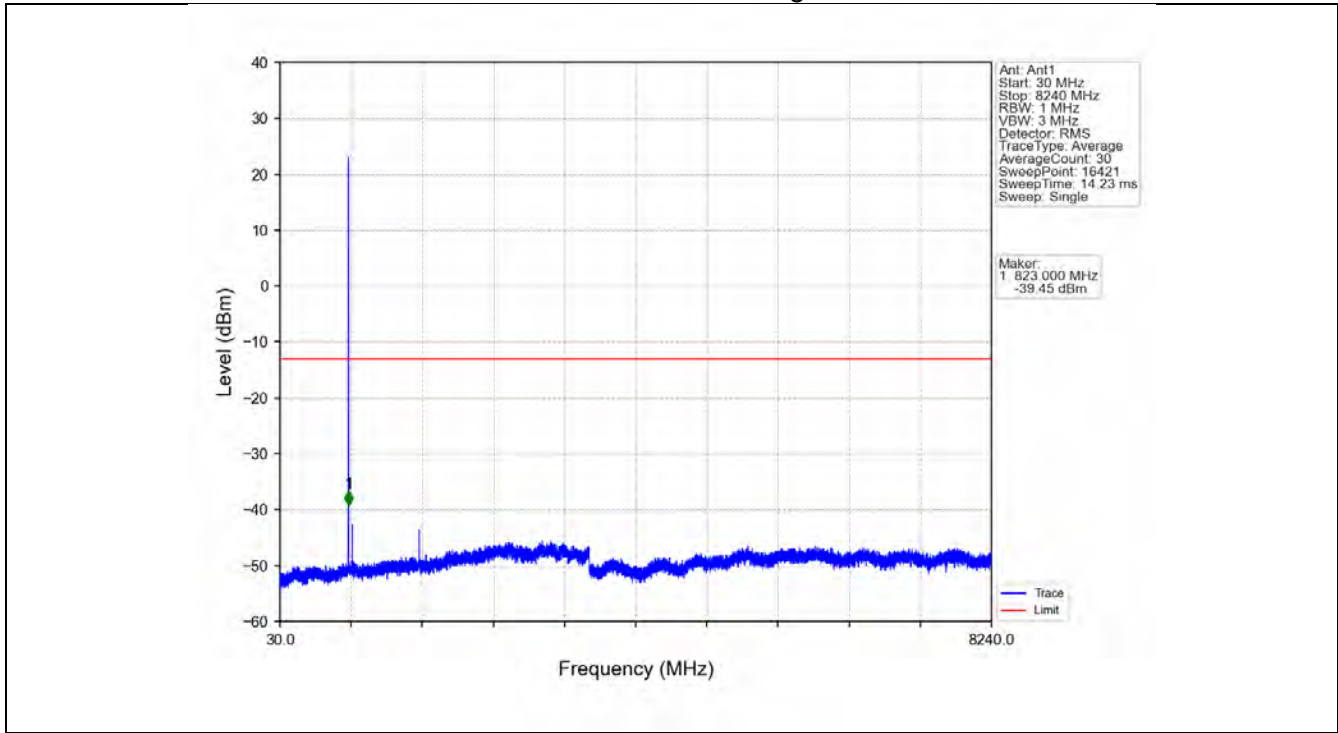
Band26a 1.4MHz QPSK MCH 819MHz\_RB\_1\_0\_NTNV



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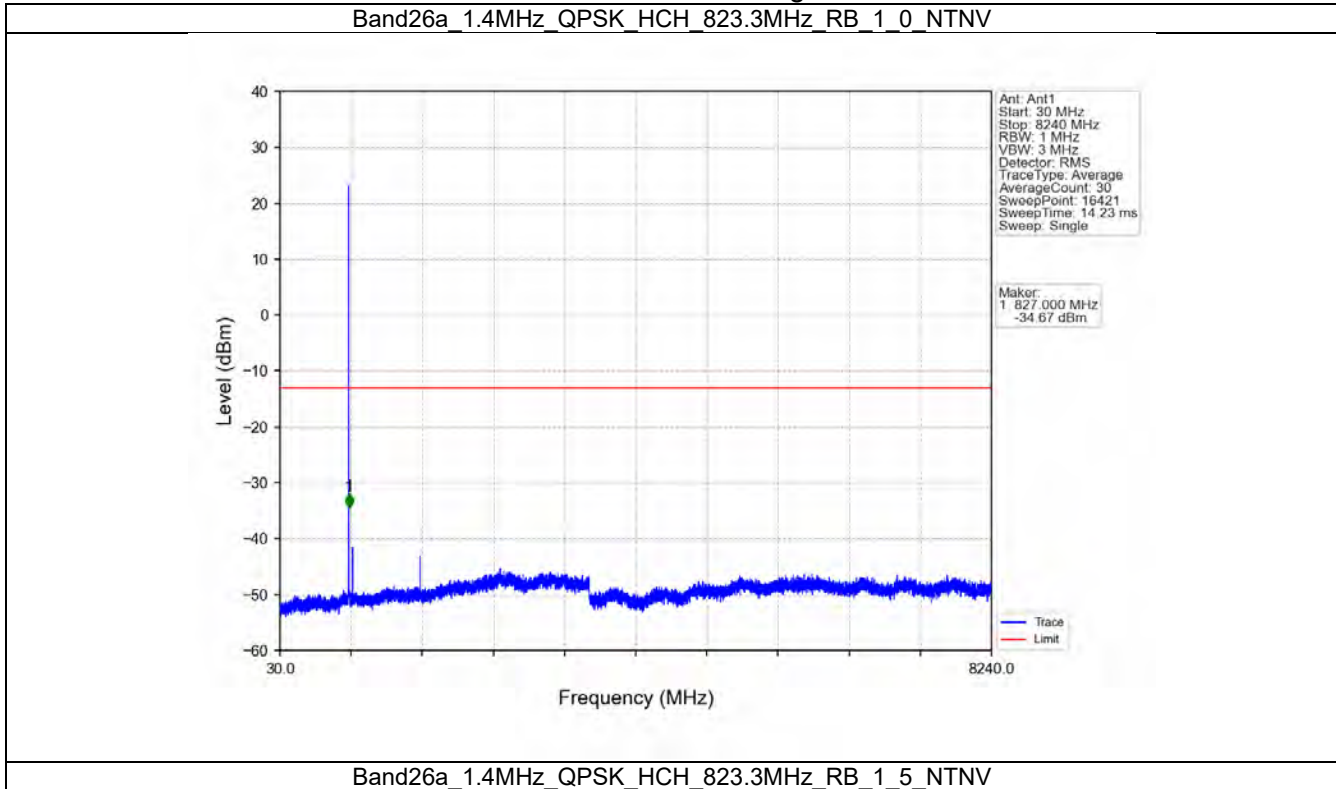
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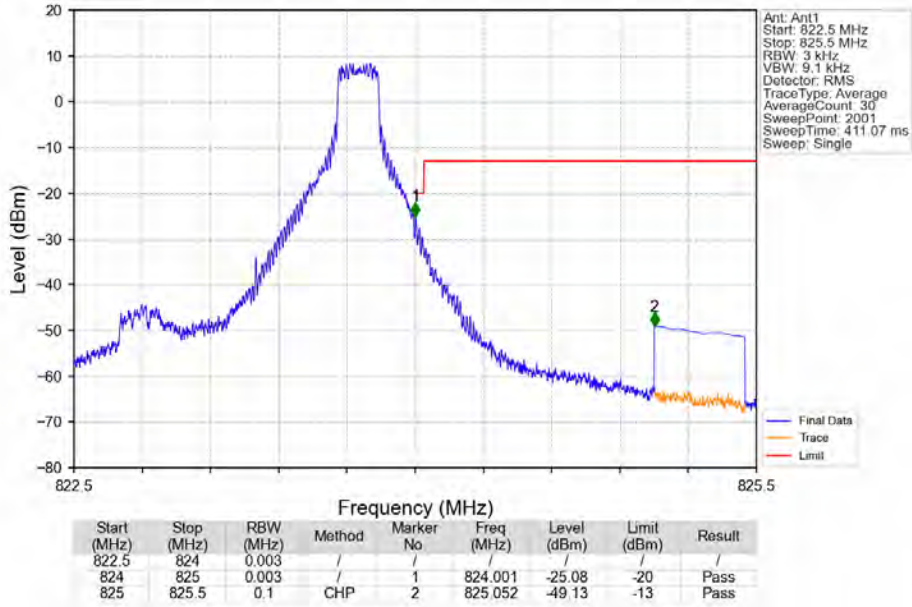
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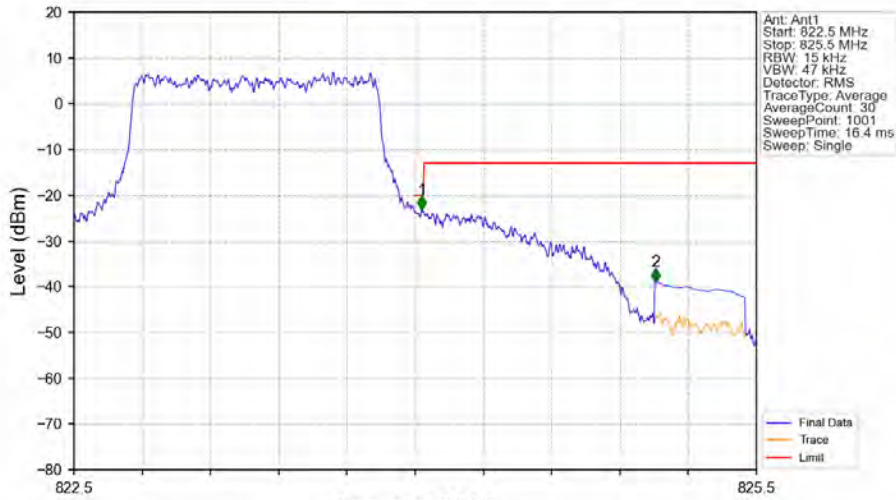
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Band26a 1.4MHz QPSK HCH 823.3MHz\_RB\_6\_0 NTNv



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	824	0.015	/	1	824.030	-23.24	-20	Pass
824	825	0.015	/	1	824.030	-23.24	-20	Pass
825	825.5	0.1	CHP	2	825.056	-39.01	-13	Pass



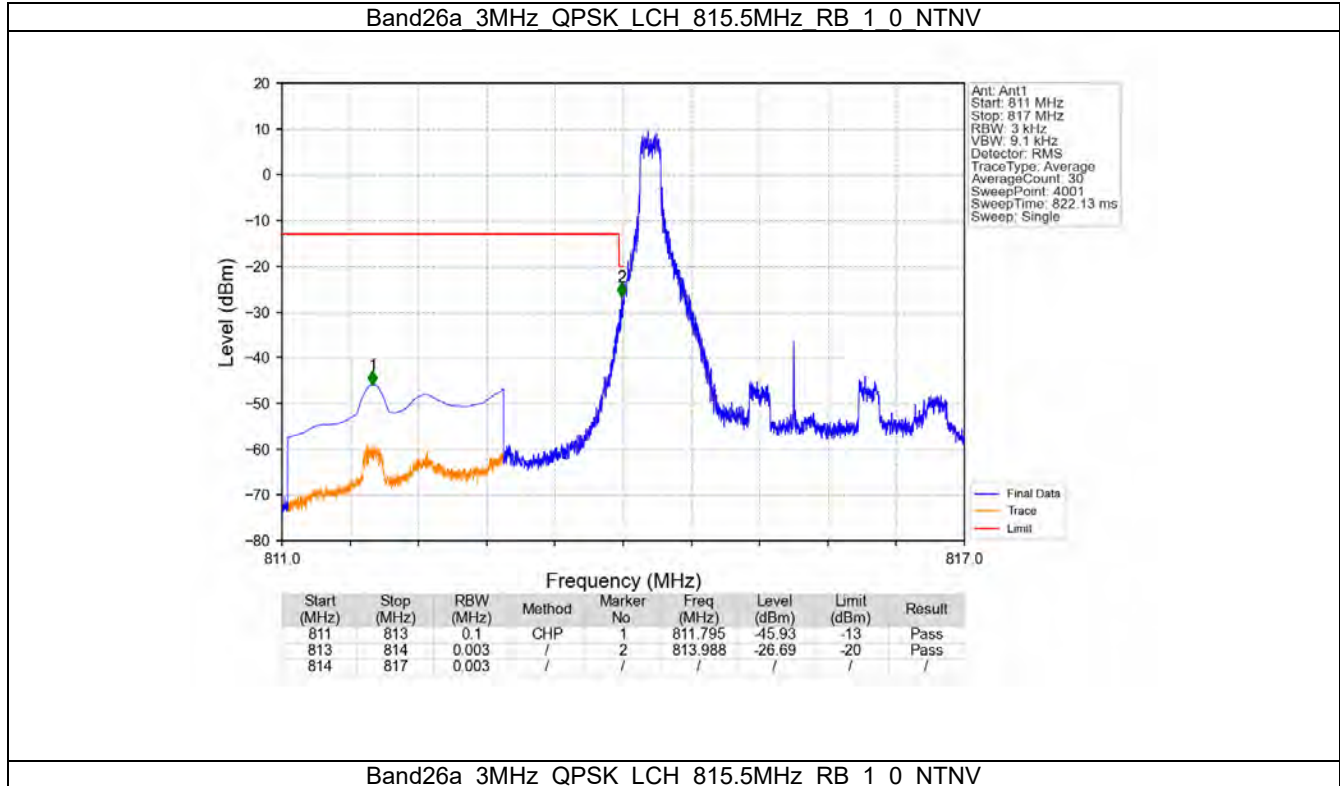
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5.2 B26a\_3MHz

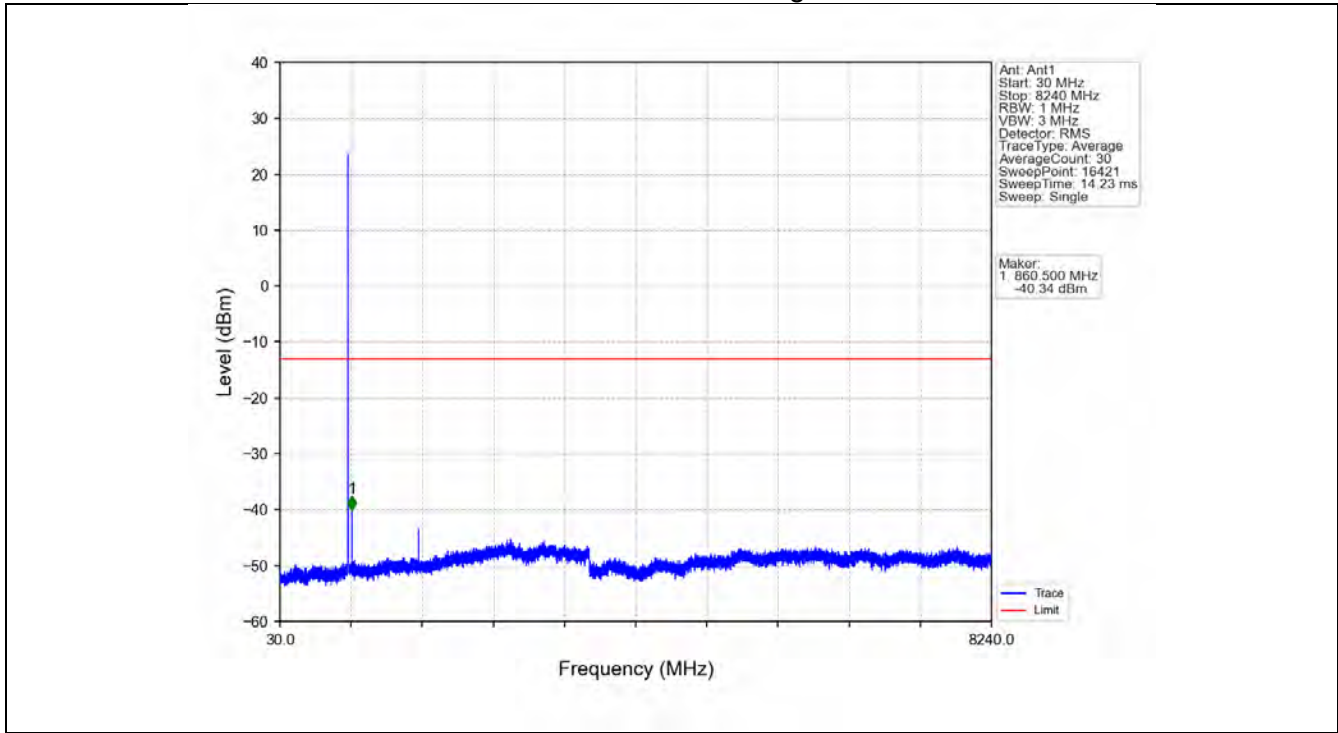
5.2.2 Test Graph



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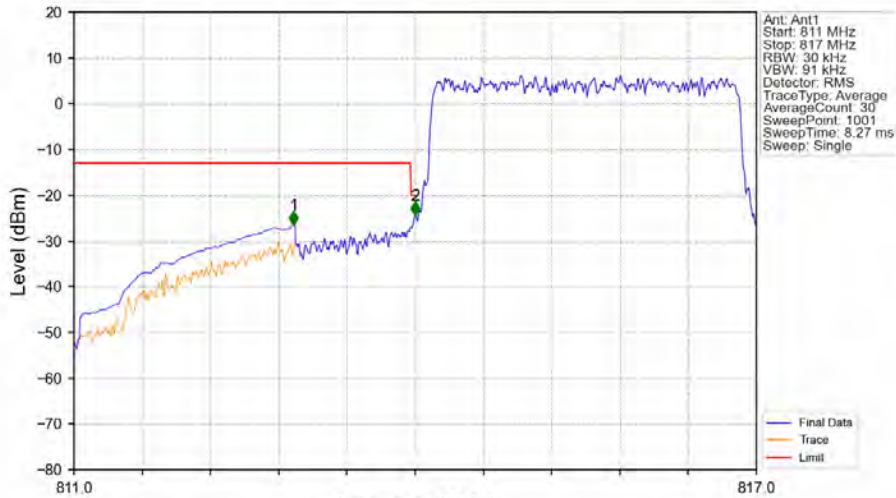


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Band26a\_3MHz\_QPSK\_LCH\_815.5MHz\_RB\_15\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.932	-26.51	-13	Pass
813	814	0.03	/	2	814.000	-24.49	-20	Pass
814	817	0.03	/	/	/	/	/	/

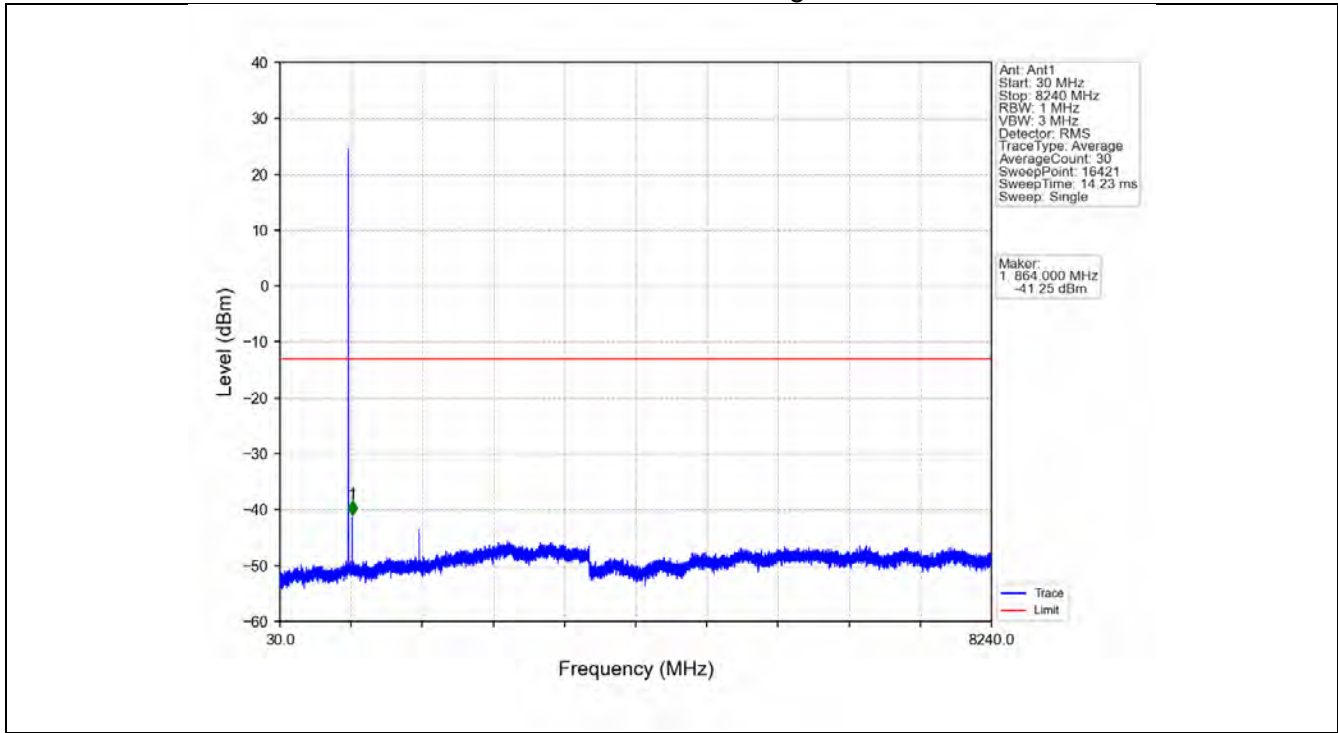
Band26a\_3MHz\_QPSK\_MCH\_819MHz\_RB\_1\_0\_NTNV



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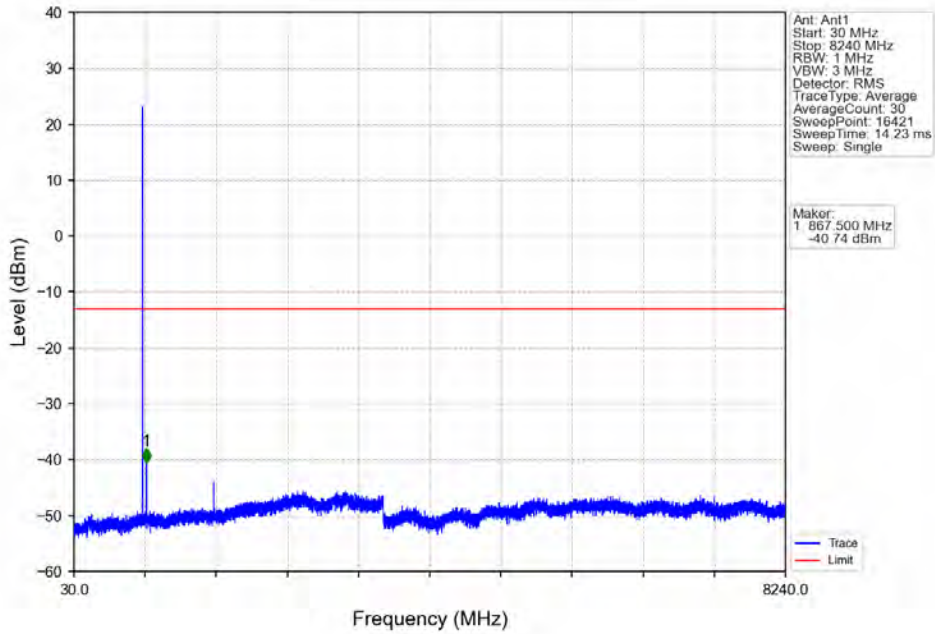


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Band26a\_3MHz\_QPSK\_HCH\_822.5MHz\_RB\_1\_0\_NTNV



Band26a\_3MHz\_QPSK\_HCH\_822.5MHz\_RB\_1\_14\_NTNV

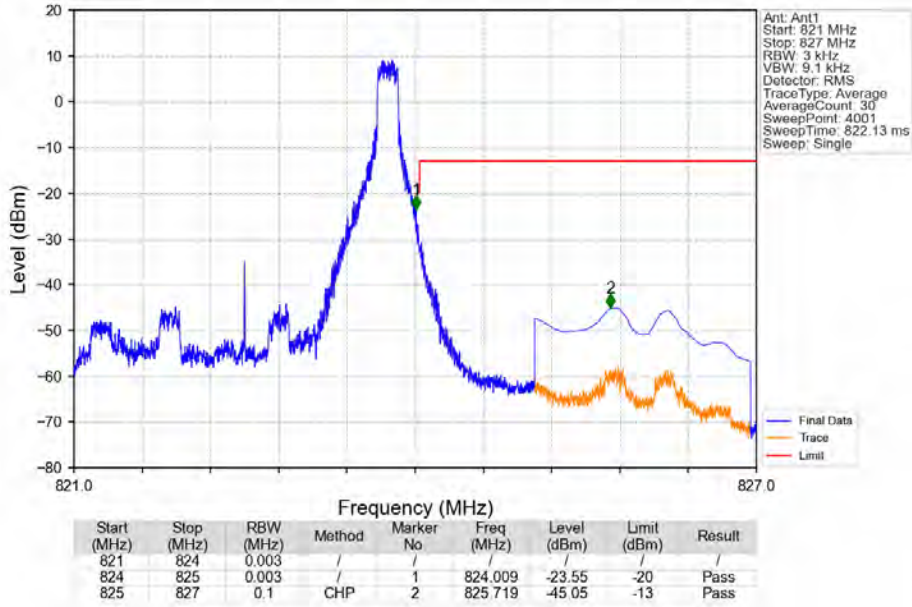


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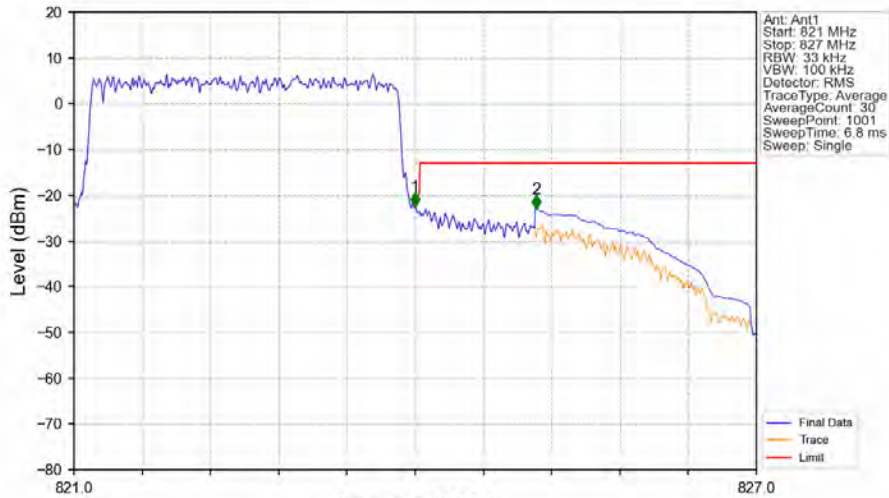


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Band26a 3MHz QPSK HCH 822.5MHz\_RB\_15\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.033	/	1	824.000	-22.55	-20	Pass
824	825	0.033	/	1	824.000	-22.55	-20	Pass
825	827	0.1	CHP	2	825.062	-22.98	-13	Pass



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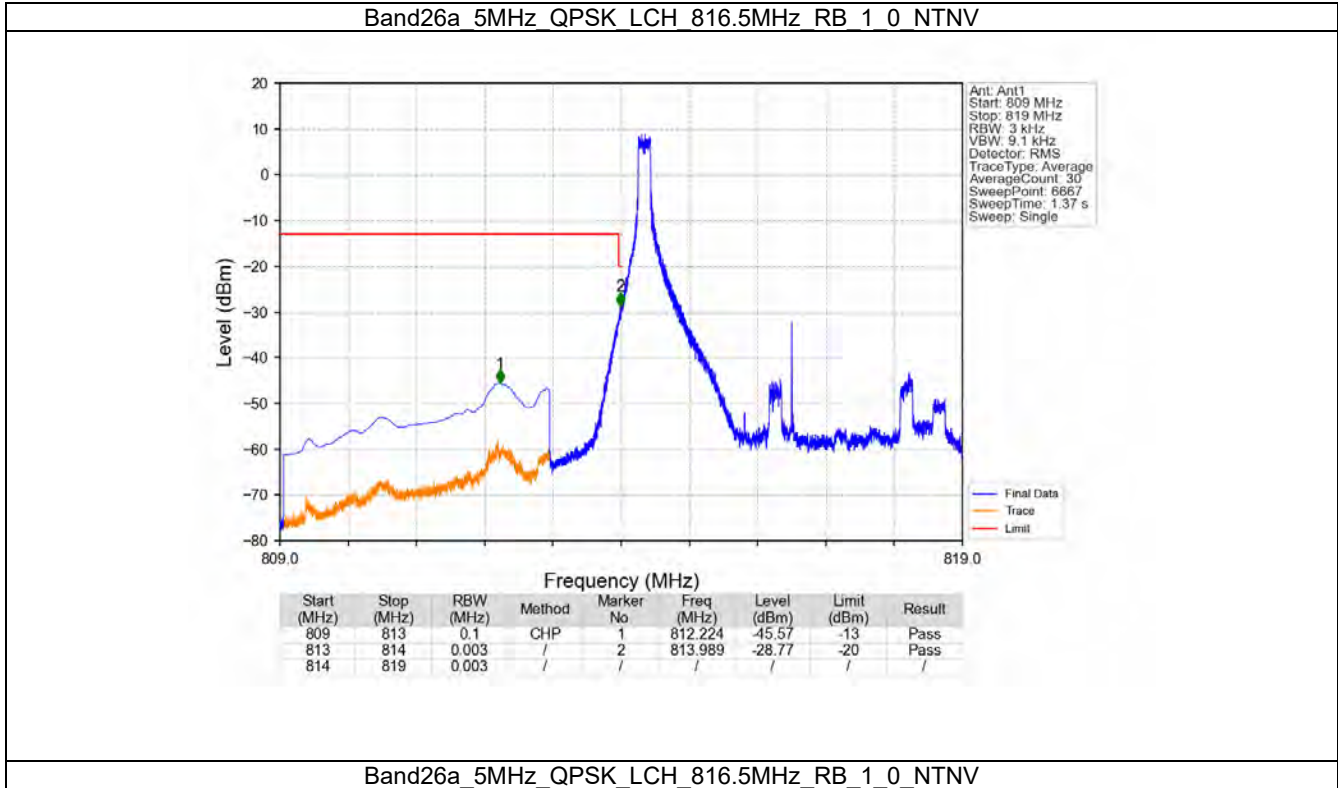
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5.3 B26a\_5MHz

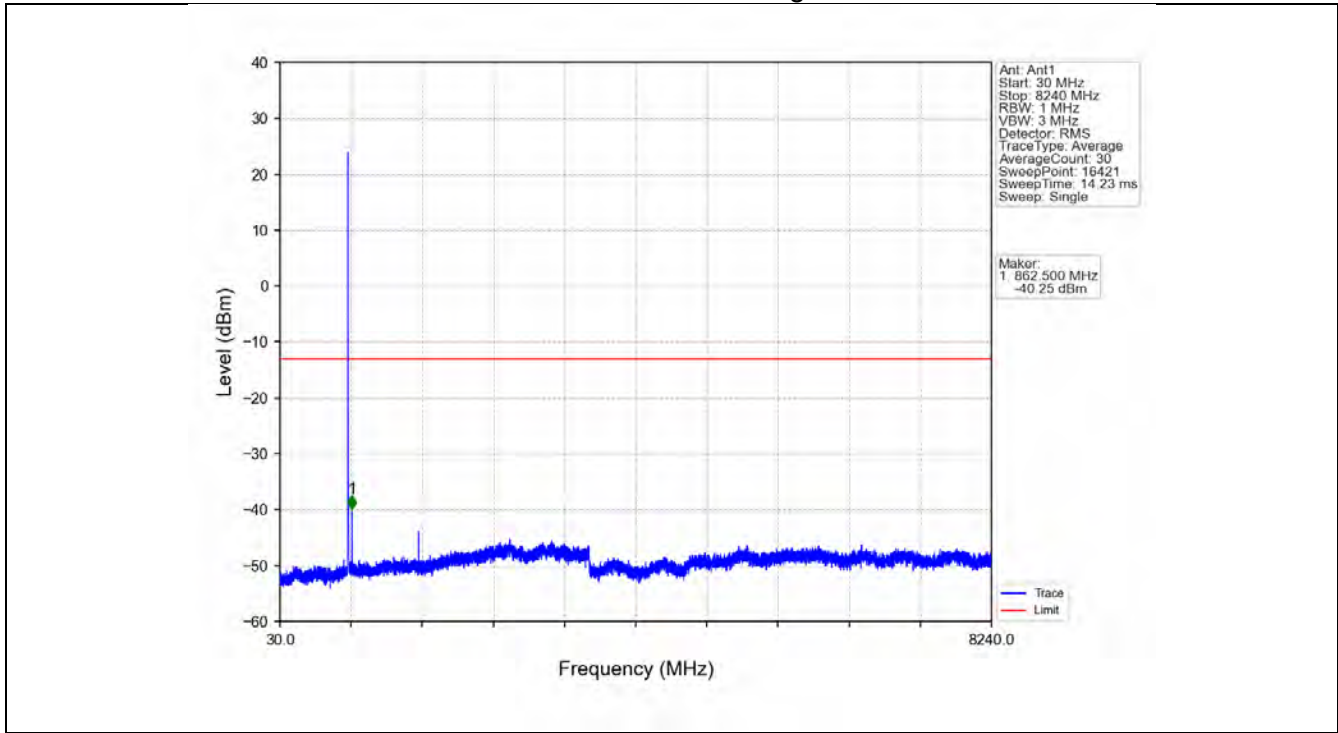
5.3.2 Test Graph



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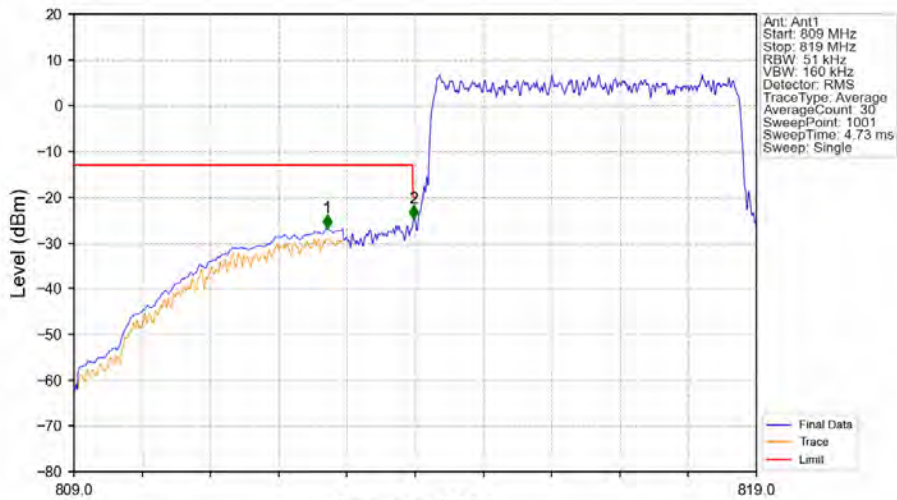


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Band26a\_5MHz\_QPSK\_LCH\_816.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.710	-26.85	-13	Pass
813	814	0.051	/	2	813.980	-24.72	-20	Pass
814	819	0.051	/	/	/	/	/	/

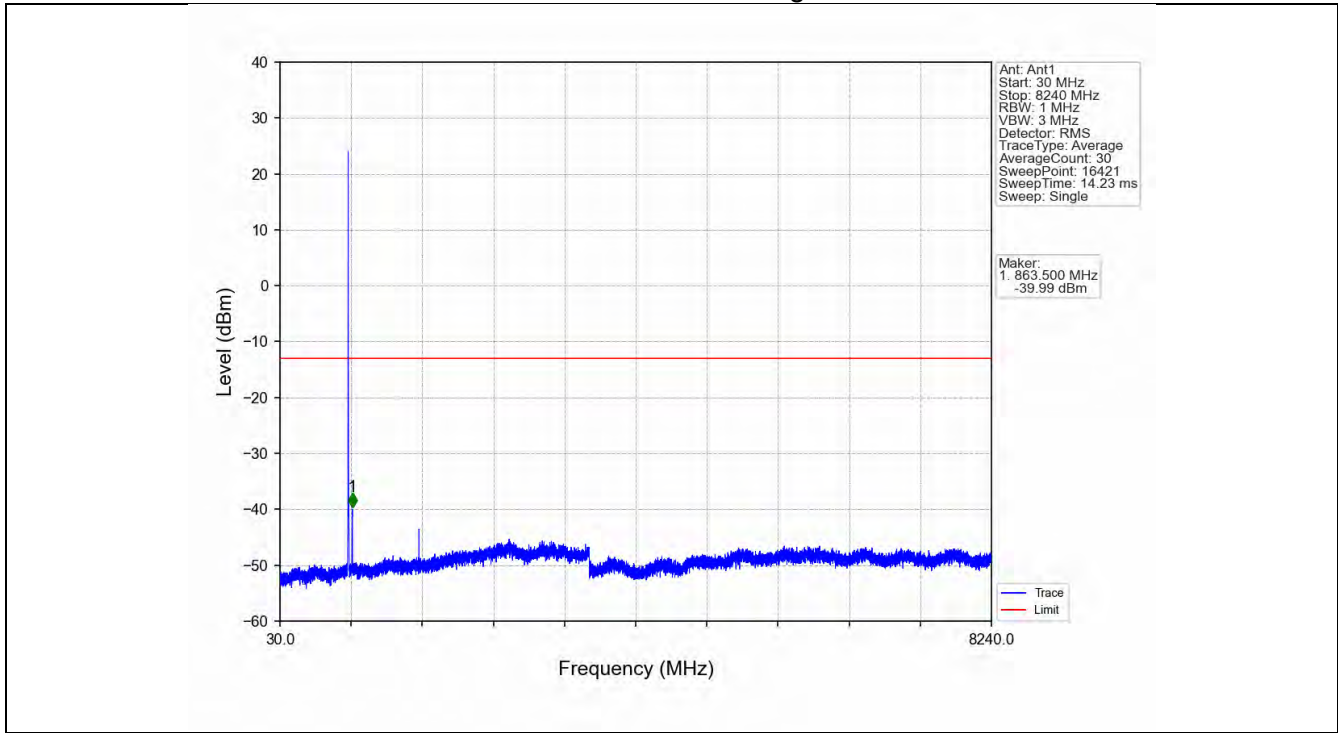
Band26a\_5MHz\_QPSK\_MCH\_819MHz\_RB\_1\_0\_NTNV



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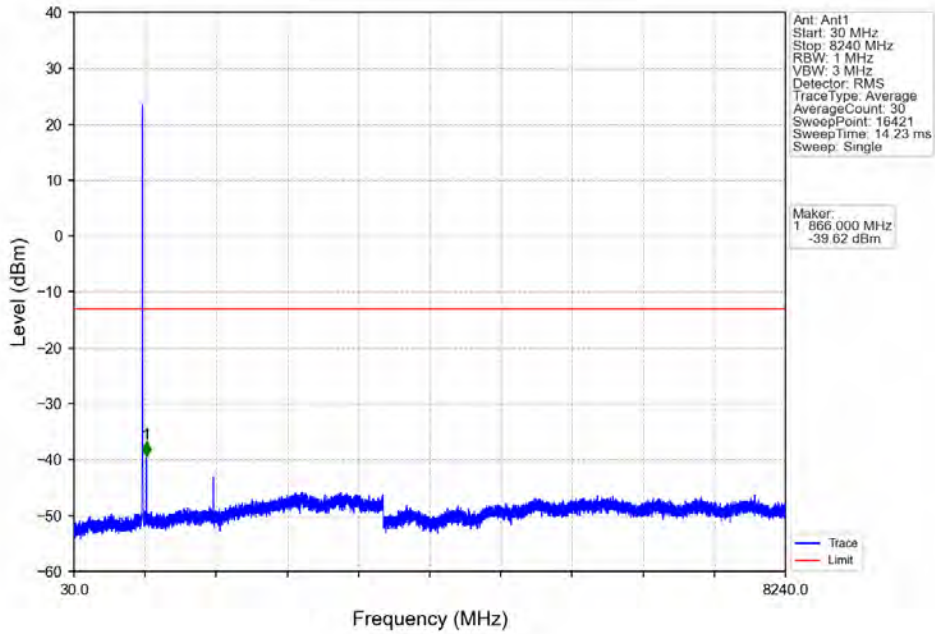


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Rev.: 01

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Band26a\_5MHz\_QPSK\_HCH\_821.5MHz\_RB\_1\_0\_NTNV



Band26a\_5MHz\_QPSK\_HCH\_821.5MHz\_RB\_1\_24\_NTNV



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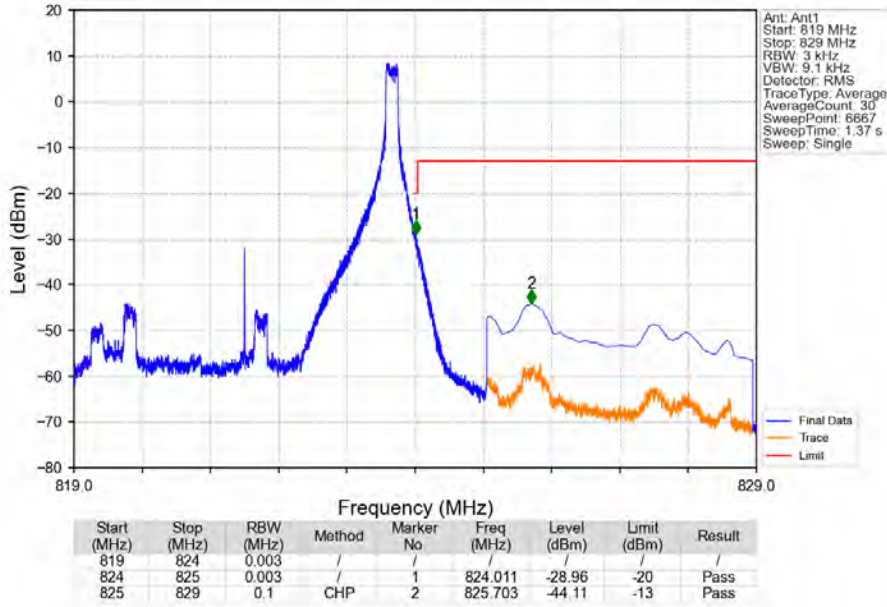
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 Rev.: 01  
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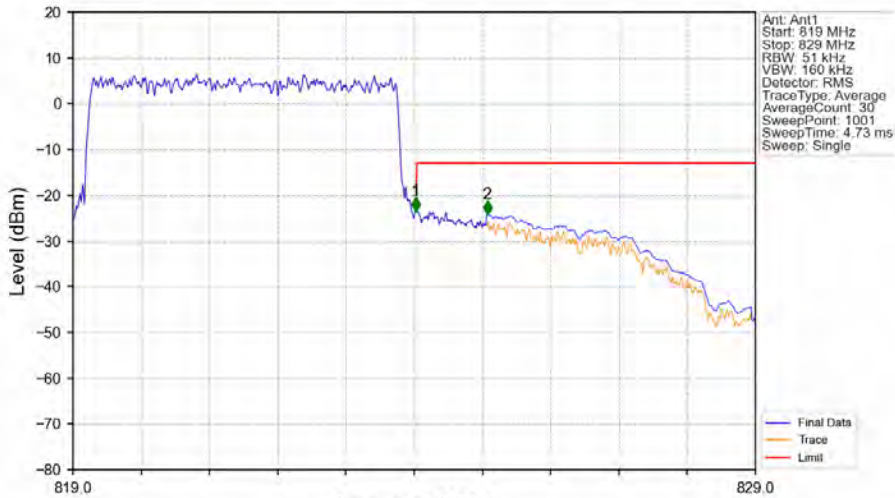


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Band26a 5MHz QPSK HCH 821.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.051	/	1	824.020	-23.49	-20	Pass
824	825	0.051	/	1	824.020	-23.49	-20	Pass
825	829	0.1	CHP	2	825.070	-24.20	-13	Pass



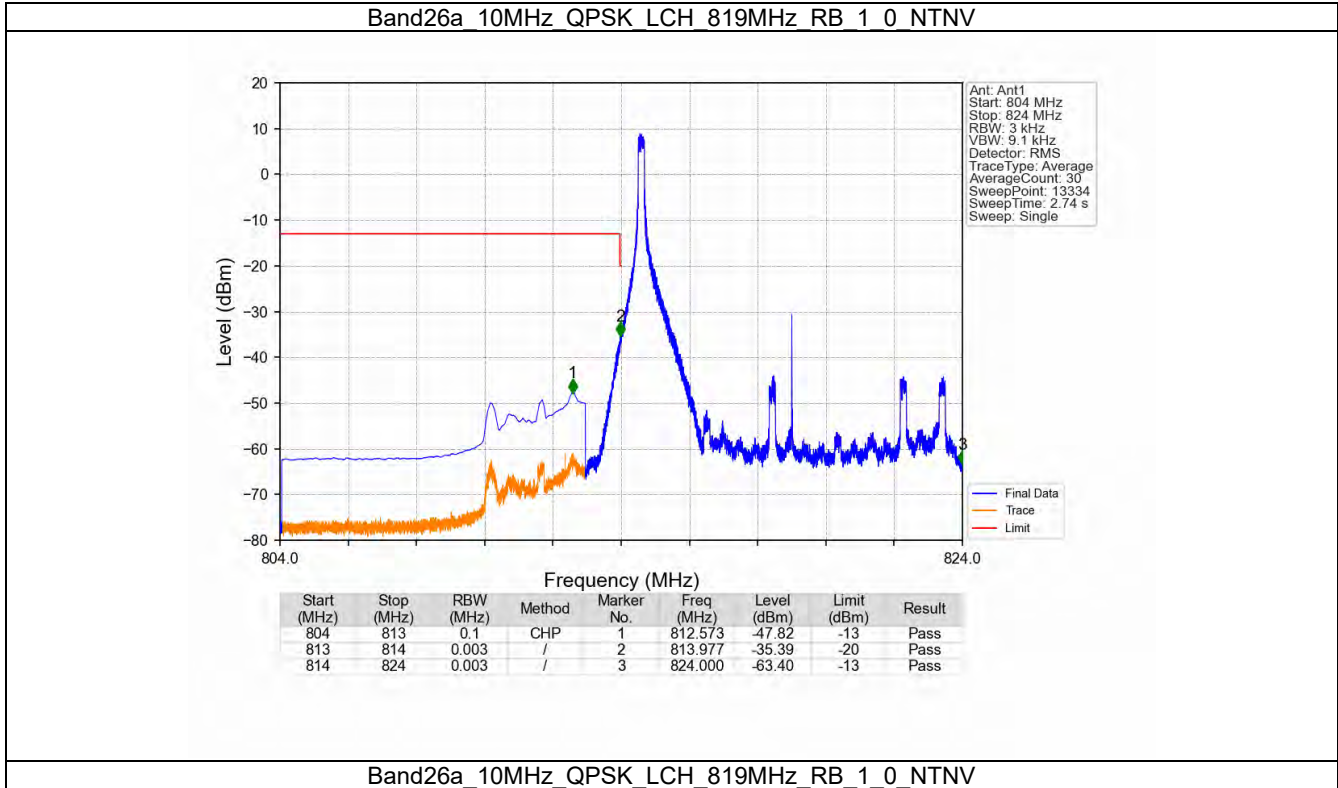
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5.4 B26a\_10MHz

5.4.2 Test Graph

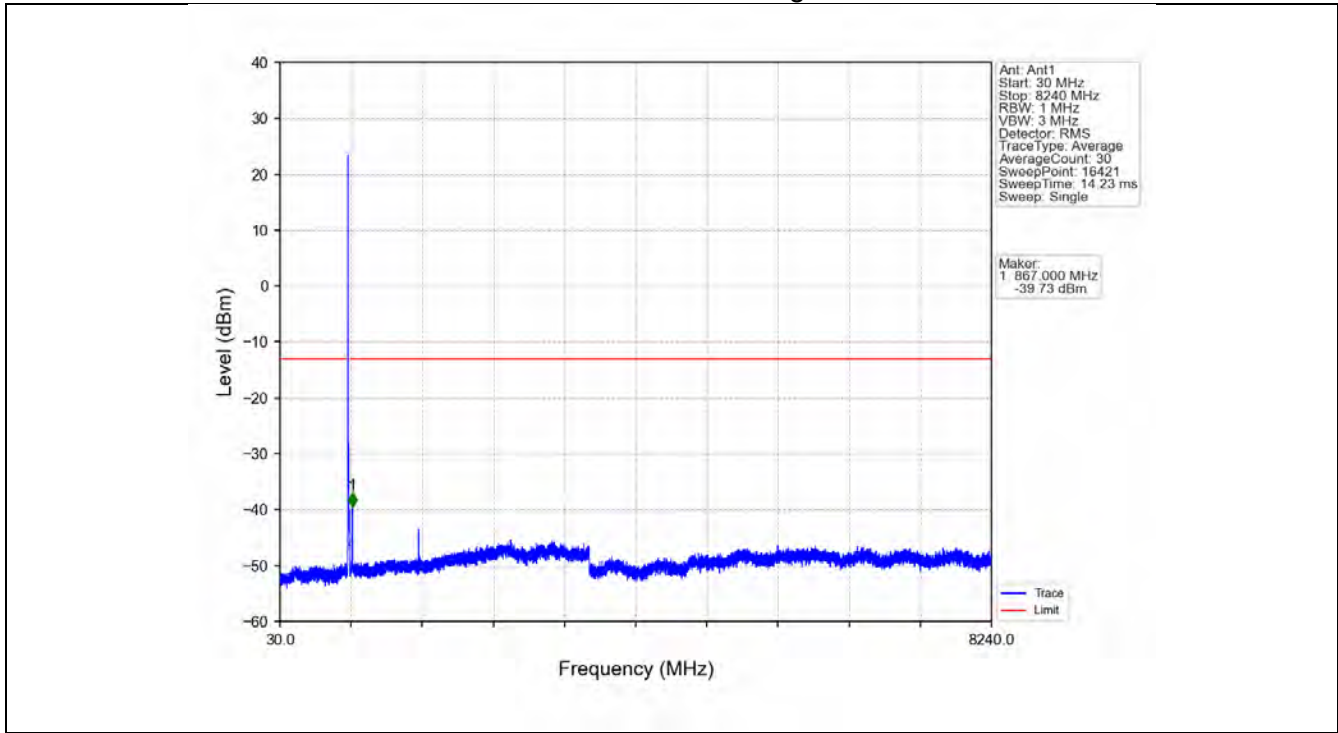


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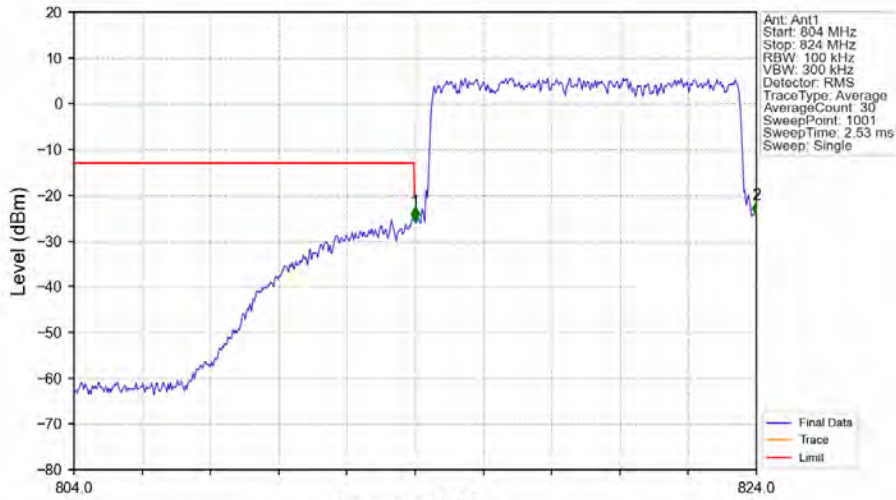


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Band26a\_10MHz\_QPSK\_LCH\_819MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
804	814	0.1	/	1	814.000	-25.63	-20	Pass
814	824	0.1	/	2	824.000	-24.39	-13	Pass

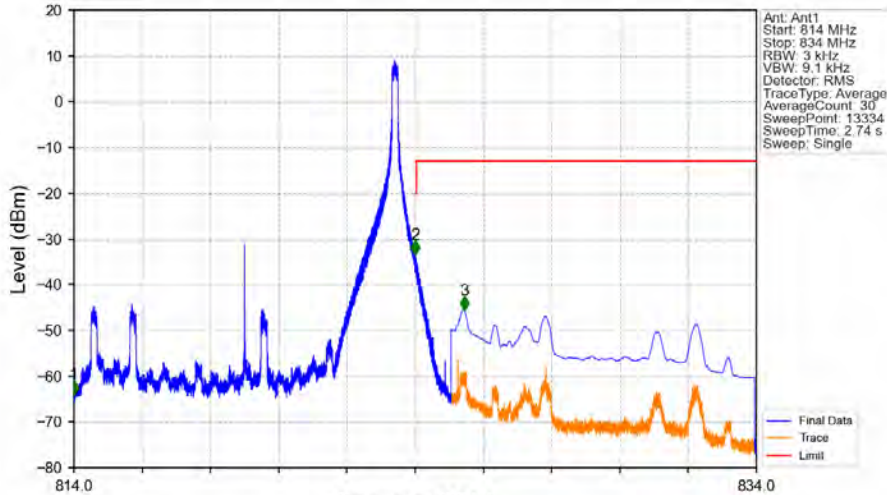
Band26a\_10MHz\_QPSK\_HCH\_819MHz\_RB\_1\_49\_NTNV



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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	1	814.000	-64.05	-13	Pass
824	824	0.003	/	/	/	/	/	/
824	825	0.003	/	2	824.002	-33.48	-20	Pass
825	834	0.1	CHP	3	825.445	-45.59	-13	Pass

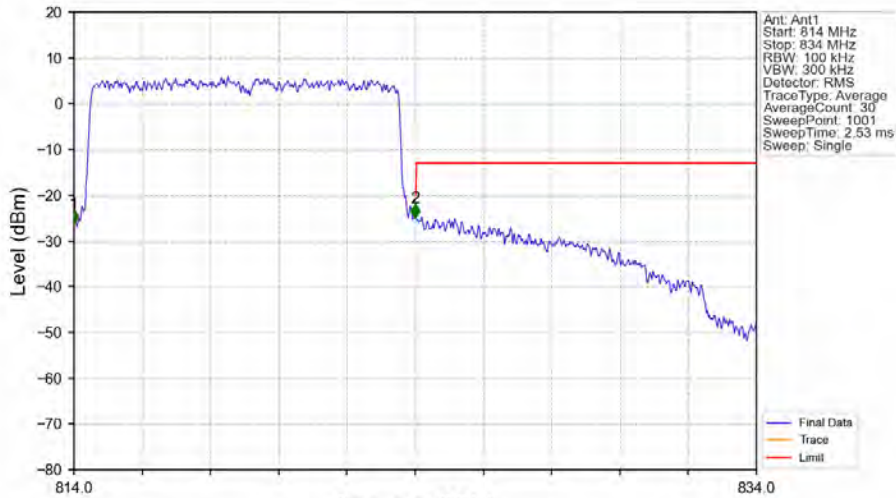


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Band26a\_10MHz\_QPSK\_HCH\_819MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	814.000	-26.27	-13	Pass
824	824	0.1	/	/	/	/	/	/
824	834	0.1	/	2	824.000	-24.95	-20	Pass



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### 6. Field Strength of Spurious Radiation

Test Band = LTE\_26-10MHz  
 Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1629	69.34	-53.08	25.86	-53.14	-13.00	40.14	Horizontal
2	2443.5	101.11	-51.36	27.89	-17.62	-13.00	4.62	Horizontal
3	4073	84.46	-48.37	30.81	-28.36	-13.00	15.36	Horizontal
4	4887	64.02	-44.97	33.02	-43.19	-13.00	30.19	Horizontal
5	5702	63.31	-43.40	33.52	-41.83	-13.00	28.83	Horizontal
6	7331.5	64.74	-43.24	36.97	-36.79	-13.00	23.79	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1629	60.39	-53.08	25.86	-62.09	-13.00	49.09	Vertical
2	2444	99.66	-51.36	27.89	-19.07	-13.00	6.07	Vertical
3	4073	76.73	-48.37	30.81	-36.09	-13.00	23.09	Vertical
4	4887.5	58.03	-44.97	33.03	-49.17	-13.00	36.17	Vertical
5	5702	60.66	-43.40	33.52	-44.48	-13.00	31.48	Vertical
6	7331.5	57.63	-43.24	36.97	-43.90	-13.00	30.90	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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