

1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	824.7	1	0	22.15	0.54	20.54	<=38.45	Pass		
			2	22.20	0.54	20.59	<=38.45	Pass		
			5	22.15	0.54	20.54	<=38.45	Pass		
		3	0	22.10	0.54	20.49	<=38.45	Pass		
			2	22.12	0.54	20.51	<=38.45	Pass		
			3	22.09	0.54	20.48	<=38.45	Pass		
		6	0	21.20	0.54	19.59	<=38.45	Pass		
		836.5	1	0	22.07	0.54	20.46	<=38.45	Pass	
				2	22.16	0.54	20.55	<=38.45	Pass	
	5			22.05	0.54	20.44	<=38.45	Pass		
	3		0	22.09	0.54	20.48	<=38.45	Pass		
			2	22.11	0.54	20.50	<=38.45	Pass		
			3	22.10	0.54	20.49	<=38.45	Pass		
	6		0	21.09	0.54	19.48	<=38.45	Pass		
	848.3		1	0	22.00	0.54	20.39	<=38.45	Pass	
				2	22.21	0.54	20.60	<=38.45	Pass	
		5		22.09	0.54	20.48	<=38.45	Pass		
		3	0	22.00	0.54	20.39	<=38.45	Pass		
			2	22.08	0.54	20.47	<=38.45	Pass		
			3	21.97	0.54	20.36	<=38.45	Pass		
		6	0	21.10	0.54	19.49	<=38.45	Pass		
		16QAM	824.7	1	0	20.97	0.54	19.36	<=38.45	Pass
					2	21.05	0.54	19.44	<=38.45	Pass
	5				20.98	0.54	19.37	<=38.45	Pass	
3	0			21.23	0.54	19.62	<=38.45	Pass		
	2			21.24	0.54	19.63	<=38.45	Pass		
	3			21.22	0.54	19.61	<=38.45	Pass		
6	0			20.14	0.54	18.53	<=38.45	Pass		
836.5	1			0	21.01	0.54	19.40	<=38.45	Pass	
				2	21.10	0.54	19.49	<=38.45	Pass	
			5	21.05	0.54	19.44	<=38.45	Pass		
	3		0	21.14	0.54	19.53	<=38.45	Pass		
			2	21.15	0.54	19.54	<=38.45	Pass		
			3	21.13	0.54	19.52	<=38.45	Pass		
	6		0	20.05	0.54	18.44	<=38.45	Pass		
	848.3		1	0	20.89	0.54	19.28	<=38.45	Pass	
				2	20.99	0.54	19.38	<=38.45	Pass	
5				20.93	0.54	19.32	<=38.45	Pass		
3			0	21.01	0.54	19.40	<=38.45	Pass		
			2	21.01	0.54	19.40	<=38.45	Pass		
			3	20.94	0.54	19.33	<=38.45	Pass		
6			0	19.96	0.54	18.35	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B5_3MHz_ERP

Test Report Number: BTF240105R00405

1.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	825.5	1	0	22.35	0.54	20.74	<=38.45	Pass		
			7	22.45	0.54	20.84	<=38.45	Pass		
			14	22.38	0.54	20.77	<=38.45	Pass		
		8	0	21.22	0.54	19.61	<=38.45	Pass		
			4	21.30	0.54	19.69	<=38.45	Pass		
			7	21.26	0.54	19.65	<=38.45	Pass		
		15	0	21.17	0.54	19.56	<=38.45	Pass		
		836.5	1	0	22.14	0.54	20.53	<=38.45	Pass	
				7	22.34	0.54	20.73	<=38.45	Pass	
	14			22.20	0.54	20.59	<=38.45	Pass		
	8		0	21.18	0.54	19.57	<=38.45	Pass		
			4	21.23	0.54	19.62	<=38.45	Pass		
			7	21.20	0.54	19.59	<=38.45	Pass		
	15		0	21.16	0.54	19.55	<=38.45	Pass		
	847.5		1	0	22.10	0.54	20.49	<=38.45	Pass	
				7	22.21	0.54	20.60	<=38.45	Pass	
		14		22.23	0.54	20.62	<=38.45	Pass		
		8	0	21.12	0.54	19.51	<=38.45	Pass		
			4	21.12	0.54	19.51	<=38.45	Pass		
			7	21.11	0.54	19.50	<=38.45	Pass		
		15	0	21.11	0.54	19.50	<=38.45	Pass		
		16QAM	825.5	1	0	21.20	0.54	19.59	<=38.45	Pass
					7	21.32	0.54	19.71	<=38.45	Pass
	14				21.19	0.54	19.58	<=38.45	Pass	
8	0			20.25	0.54	18.64	<=38.45	Pass		
	4			20.32	0.54	18.71	<=38.45	Pass		
	7			20.28	0.54	18.67	<=38.45	Pass		
15	0			20.20	0.54	18.59	<=38.45	Pass		
836.5	1			0	21.32	0.54	19.71	<=38.45	Pass	
				7	21.44	0.54	19.83	<=38.45	Pass	
			14	21.29	0.54	19.68	<=38.45	Pass		
	8		0	20.20	0.54	18.59	<=38.45	Pass		
			4	20.24	0.54	18.63	<=38.45	Pass		
			7	20.17	0.54	18.56	<=38.45	Pass		
	15		0	20.17	0.54	18.56	<=38.45	Pass		
	847.5		1	0	21.62	0.54	20.01	<=38.45	Pass	
				7	21.67	0.54	20.06	<=38.45	Pass	
14				21.40	0.54	19.79	<=38.45	Pass		
8			0	20.29	0.54	18.68	<=38.45	Pass		
			4	20.31	0.54	18.70	<=38.45	Pass		
			7	20.25	0.54	18.64	<=38.45	Pass		
15			0	20.19	0.54	18.58	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.3 B5_5MHz_ERP

1.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTN

Test Report Number: BTF240105R00405

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	826.5	1	0	22.06	0.54	20.45	<=38.45	Pass		
			13	22.22	0.54	20.61	<=38.45	Pass		
			24	22.05	0.54	20.44	<=38.45	Pass		
		12	0	21.02	0.54	19.41	<=38.45	Pass		
			6	21.11	0.54	19.50	<=38.45	Pass		
			13	21.11	0.54	19.50	<=38.45	Pass		
		25	0	21.06	0.54	19.45	<=38.45	Pass		
		836.5	1	0	21.99	0.54	20.38	<=38.45	Pass	
				13	22.10	0.54	20.49	<=38.45	Pass	
	24			21.99	0.54	20.38	<=38.45	Pass		
	12		0	21.07	0.54	19.46	<=38.45	Pass		
			6	21.09	0.54	19.48	<=38.45	Pass		
			13	20.93	0.54	19.32	<=38.45	Pass		
	25		0	21.07	0.54	19.46	<=38.45	Pass		
	846.5		1	0	21.89	0.54	20.28	<=38.45	Pass	
				13	22.02	0.54	20.41	<=38.45	Pass	
		24		21.95	0.54	20.34	<=38.45	Pass		
		12	0	21.03	0.54	19.42	<=38.45	Pass		
			6	21.01	0.54	19.40	<=38.45	Pass		
			13	20.87	0.54	19.26	<=38.45	Pass		
		25	0	20.95	0.54	19.34	<=38.45	Pass		
		16QAM	826.5	1	0	21.02	0.54	19.41	<=38.45	Pass
					13	21.17	0.54	19.56	<=38.45	Pass
	24				21.08	0.54	19.47	<=38.45	Pass	
12	0			20.02	0.54	18.41	<=38.45	Pass		
	6			20.11	0.54	18.50	<=38.45	Pass		
	13			20.10	0.54	18.49	<=38.45	Pass		
25	0			20.10	0.54	18.49	<=38.45	Pass		
836.5	1			0	21.24	0.54	19.63	<=38.45	Pass	
				13	21.28	0.54	19.67	<=38.45	Pass	
			24	21.15	0.54	19.54	<=38.45	Pass		
	12		0	20.17	0.54	18.56	<=38.45	Pass		
			6	20.21	0.54	18.60	<=38.45	Pass		
			13	20.08	0.54	18.47	<=38.45	Pass		
	25		0	20.09	0.54	18.48	<=38.45	Pass		
	846.5		1	0	20.70	0.54	19.09	<=38.45	Pass	
				13	20.84	0.54	19.23	<=38.45	Pass	
24				20.66	0.54	19.05	<=38.45	Pass		
12			0	20.08	0.54	18.47	<=38.45	Pass		
			6	20.08	0.54	18.47	<=38.45	Pass		
			13	19.91	0.54	18.30	<=38.45	Pass		
25			0	20.03	0.54	18.42	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.4 B5_10MHz_ERP

1.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	22.18	0.54	20.57	<=38.45	Pass
			25	22.37	0.54	20.76	<=38.45	Pass

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		25	49	22.07	0.54	20.46	<=38.45	Pass		
			0	21.09	0.54	19.48	<=38.45	Pass		
			13	21.16	0.54	19.55	<=38.45	Pass		
			25	21.10	0.54	19.49	<=38.45	Pass		
		50	0	21.09	0.54	19.48	<=38.45	Pass		
		836.5	1	0	22.04	0.54	20.43	<=38.45	Pass	
				25	22.25	0.54	20.64	<=38.45	Pass	
				49	22.09	0.54	20.48	<=38.45	Pass	
			25	0	21.23	0.54	19.62	<=38.45	Pass	
				13	21.15	0.54	19.54	<=38.45	Pass	
				25	21.08	0.54	19.47	<=38.45	Pass	
		50	0	21.15	0.54	19.54	<=38.45	Pass		
	844	1	0	22.03	0.54	20.42	<=38.45	Pass		
			25	22.21	0.54	20.60	<=38.45	Pass		
			49	22.02	0.54	20.41	<=38.45	Pass		
		25	0	21.00	0.54	19.39	<=38.45	Pass		
			13	21.07	0.54	19.46	<=38.45	Pass		
			25	20.85	0.54	19.24	<=38.45	Pass		
		50	0	20.95	0.54	19.34	<=38.45	Pass		
		16QAM	829	1	0	21.02	0.54	19.41	<=38.45	Pass
					25	21.33	0.54	19.72	<=38.45	Pass
	49				21.05	0.54	19.44	<=38.45	Pass	
	25			0	20.16	0.54	18.55	<=38.45	Pass	
				13	20.27	0.54	18.66	<=38.45	Pass	
				25	20.21	0.54	18.60	<=38.45	Pass	
	50			0	20.13	0.54	18.52	<=38.45	Pass	
	836.5			1	0	21.17	0.54	19.56	<=38.45	Pass
25					21.38	0.54	19.77	<=38.45	Pass	
49			21.11		0.54	19.50	<=38.45	Pass		
25			0	20.28	0.54	18.67	<=38.45	Pass		
			13	20.22	0.54	18.61	<=38.45	Pass		
			25	20.07	0.54	18.46	<=38.45	Pass		
50	0		20.19	0.54	18.58	<=38.45	Pass			
844	1		0	21.37	0.54	19.76	<=38.45	Pass		
			25	21.58	0.54	19.97	<=38.45	Pass		
			49	21.31	0.54	19.70	<=38.45	Pass		
	25		0	20.03	0.54	18.42	<=38.45	Pass		
		13	20.13	0.54	18.52	<=38.45	Pass			
		25	19.94	0.54	18.33	<=38.45	Pass			
	50	0	19.99	0.54	18.38	<=38.45	Pass			
	Note1: ERP=Conducted Power+Antenna Gain-2.15									

2. Frequency Stability

2.1 B5_1.4MHz

2.1.1 Test Result

Band: 5 / 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	824.7	6	0	20	3.27	-12.603	-0.0153	-2.5 to 2.5	Pass
					3.85	-11.873	-0.0144	-2.5 to 2.5	Pass
					4.43	-2.332	-0.0028	-2.5 to 2.5	Pass

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				-30	3.85	-5.550	-0.0067	-2.5 to 2.5	Pass			
				-20	3.85	-5.350	-0.0065	-2.5 to 2.5	Pass			
				-10	3.85	-4.964	-0.0060	-2.5 to 2.5	Pass			
				0	3.85	-1.059	-0.0013	-2.5 to 2.5	Pass			
				10	3.85	-6.080	-0.0074	-2.5 to 2.5	Pass			
				30	3.85	-6.652	-0.0081	-2.5 to 2.5	Pass			
				40	3.85	0.730	0.0009	-2.5 to 2.5	Pass			
	50	3.85	-6.895	-0.0084	-2.5 to 2.5	Pass						
	836.5	6	0	20	3.27	1.631	0.0019	-2.5 to 2.5	Pass			
					3.85	-4.950	-0.0059	-2.5 to 2.5	Pass			
					4.43	-4.106	-0.0049	-2.5 to 2.5	Pass			
				-30	3.85	-5.751	-0.0069	-2.5 to 2.5	Pass			
				-20	3.85	-6.552	-0.0078	-2.5 to 2.5	Pass			
				-10	3.85	-3.548	-0.0042	-2.5 to 2.5	Pass			
				0	3.85	-5.808	-0.0069	-2.5 to 2.5	Pass			
				10	3.85	-3.762	-0.0045	-2.5 to 2.5	Pass			
				30	3.85	-4.234	-0.0051	-2.5 to 2.5	Pass			
				40	3.85	-5.507	-0.0066	-2.5 to 2.5	Pass			
				50	3.85	-5.021	-0.0060	-2.5 to 2.5	Pass			
				848.3	6	0	20	3.27	0.243	0.0003	-2.5 to 2.5	Pass
								3.85	-10.386	-0.0122	-2.5 to 2.5	Pass
								4.43	-9.027	-0.0106	-2.5 to 2.5	Pass
	-30	3.85	-1.574				-0.0019	-2.5 to 2.5	Pass			
	-20	3.85	-11.630				-0.0137	-2.5 to 2.5	Pass			
	-10	3.85	-8.268				-0.0097	-2.5 to 2.5	Pass			
	0	3.85	-3.276				-0.0039	-2.5 to 2.5	Pass			
	10	3.85	-3.290				-0.0039	-2.5 to 2.5	Pass			
30	3.85	0.043	0.0001				-2.5 to 2.5	Pass				
40	3.85	-0.143	-0.0002				-2.5 to 2.5	Pass				
50	3.85	-8.712	-0.0103				-2.5 to 2.5	Pass				
16QAM	824.7	6	0	20	3.27	-3.963	-0.0048	-2.5 to 2.5	Pass			
					3.85	-4.535	-0.0055	-2.5 to 2.5	Pass			
					4.43	-6.838	-0.0083	-2.5 to 2.5	Pass			
				-30	3.85	-6.723	-0.0082	-2.5 to 2.5	Pass			
				-20	3.85	-5.236	-0.0063	-2.5 to 2.5	Pass			
				-10	3.85	-6.394	-0.0078	-2.5 to 2.5	Pass			
				0	3.85	-8.883	-0.0108	-2.5 to 2.5	Pass			
				10	3.85	-5.236	-0.0063	-2.5 to 2.5	Pass			
				30	3.85	-8.841	-0.0107	-2.5 to 2.5	Pass			
				40	3.85	-11.530	-0.0140	-2.5 to 2.5	Pass			
				50	3.85	-4.992	-0.0061	-2.5 to 2.5	Pass			
				836.5	6	0	20	3.27	-7.296	-0.0087	-2.5 to 2.5	Pass
								3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
								4.43	-5.636	-0.0067	-2.5 to 2.5	Pass
	-30	3.85	-3.290				-0.0039	-2.5 to 2.5	Pass			
	-20	3.85	-7.310				-0.0087	-2.5 to 2.5	Pass			
	-10	3.85	-4.292				-0.0051	-2.5 to 2.5	Pass			
	0	3.85	-1.960				-0.0023	-2.5 to 2.5	Pass			
	10	3.85	-4.950				-0.0059	-2.5 to 2.5	Pass			
	30	3.85	-7.110				-0.0085	-2.5 to 2.5	Pass			
	40	3.85	-10.443				-0.0125	-2.5 to 2.5	Pass			
	50	3.85	-4.363				-0.0052	-2.5 to 2.5	Pass			
	848.3	6	0				20	3.27	-4.420	-0.0052	-2.5 to 2.5	Pass
								3.85	-12.546	-0.0148	-2.5 to 2.5	Pass
				4.43	-10.200	-0.0120		-2.5 to 2.5	Pass			
				-30	3.85	-5.093	-0.0060	-2.5 to 2.5	Pass			
	-20	3.85	-6.223	-0.0073	-2.5 to 2.5	Pass						

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				-10	3.85	-11.344	-0.0134	-2.5 to 2.5	Pass
				0	3.85	-6.022	-0.0071	-2.5 to 2.5	Pass
				10	3.85	-1.960	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-5.722	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-10.529	-0.0124	-2.5 to 2.5	Pass
				50	3.85	-8.297	-0.0098	-2.5 to 2.5	Pass

2.2 B5_3MHz

2.2.1 Test Result

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	-9.327	-0.0113	-2.5 to 2.5	Pass
					3.85	-9.170	-0.0111	-2.5 to 2.5	Pass
					4.43	-7.625	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-6.180	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-3.963	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-5.264	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-3.433	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-9.542	-0.0116	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
	40	3.85	-8.283	-0.0100	-2.5 to 2.5	Pass			
	50	3.85	-5.636	-0.0068	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	-8.698	-0.0104	-2.5 to 2.5	Pass
					3.85	-10.514	-0.0126	-2.5 to 2.5	Pass
					4.43	-5.922	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-13.604	-0.0163	-2.5 to 2.5	Pass
				-20	3.85	-7.153	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-2.203	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-5.608	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-2.904	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-7.296	-0.0087	-2.5 to 2.5	Pass
	40	3.85	-9.899	-0.0118	-2.5 to 2.5	Pass			
	50	3.85	-3.548	-0.0042	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-2.360	-0.0028	-2.5 to 2.5	Pass
					3.85	-9.284	-0.0110	-2.5 to 2.5	Pass
					4.43	-1.001	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-3.562	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-1.988	-0.0023	-2.5 to 2.5	Pass
-10				3.85	-4.663	-0.0055	-2.5 to 2.5	Pass	
0				3.85	-5.350	-0.0063	-2.5 to 2.5	Pass	
10				3.85	-5.393	-0.0064	-2.5 to 2.5	Pass	
30				3.85	-9.198	-0.0109	-2.5 to 2.5	Pass	
40	3.85	-2.875	-0.0034	-2.5 to 2.5	Pass				
50	3.85	-2.761	-0.0033	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.27	-9.499	-0.0115	-2.5 to 2.5	Pass
					3.85	-7.939	-0.0096	-2.5 to 2.5	Pass
					4.43	-1.631	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-4.935	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-11.144	-0.0135	-2.5 to 2.5	Pass
				-10	3.85	-0.544	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-5.722	-0.0069	-2.5 to 2.5	Pass
10	3.85	-3.963	-0.0048	-2.5 to 2.5	Pass				

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	836.5	15	0	30	3.85	-7.067	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-5.364	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-3.648	-0.0044	-2.5 to 2.5	Pass
				20	3.27	-8.669	-0.0104	-2.5 to 2.5	Pass
					3.85	-4.592	-0.0055	-2.5 to 2.5	Pass
					4.43	-15.049	-0.0180	-2.5 to 2.5	Pass
				-30	3.85	-3.805	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-4.220	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-5.465	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-5.035	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-9.785	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-8.411	-0.0101	-2.5 to 2.5	Pass
	40	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass			
	50	3.85	-4.435	-0.0053	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-9.427	-0.0111	-2.5 to 2.5	Pass
					3.85	-4.306	-0.0051	-2.5 to 2.5	Pass
					4.43	-5.050	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-12.131	-0.0143	-2.5 to 2.5	Pass
				-20	3.85	-12.174	-0.0144	-2.5 to 2.5	Pass
				-10	3.85	-9.613	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-11.301	-0.0133	-2.5 to 2.5	Pass
				10	3.85	-8.039	-0.0095	-2.5 to 2.5	Pass
				30	3.85	-5.922	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-5.236	-0.0062	-2.5 to 2.5	Pass
50				3.85	-6.394	-0.0075	-2.5 to 2.5	Pass	

2.3 B5_5MHz

2.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	-3.862	-0.0047	-2.5 to 2.5	Pass
					3.85	-4.921	-0.0060	-2.5 to 2.5	Pass
					4.43	-3.004	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-7.696	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-6.151	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-8.683	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-7.510	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-5.407	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-2.890	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-2.947	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-8.326	-0.0101	-2.5 to 2.5	Pass
				836.5	25	0	20	3.27	-5.951
	3.85	-6.380	-0.0076					-2.5 to 2.5	Pass
	4.43	-6.266	-0.0075					-2.5 to 2.5	Pass
	-30	3.85	-7.982				-0.0095	-2.5 to 2.5	Pass
	-20	3.85	-6.409				-0.0077	-2.5 to 2.5	Pass
	-10	3.85	-5.479				-0.0065	-2.5 to 2.5	Pass
	0	3.85	-9.327				-0.0112	-2.5 to 2.5	Pass
	10	3.85	-0.858				-0.0010	-2.5 to 2.5	Pass
	30	3.85	-7.367				-0.0088	-2.5 to 2.5	Pass
	40	3.85	-6.766				-0.0081	-2.5 to 2.5	Pass
	50	3.85	-5.364				-0.0064	-2.5 to 2.5	Pass

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	846.5	25	0	20	3.27	-12.159	-0.0144	-2.5 to 2.5	Pass					
					3.85	-10.715	-0.0127	-2.5 to 2.5	Pass					
					4.43	-1.259	-0.0015	-2.5 to 2.5	Pass					
								-30	3.85	-2.990	-0.0035	-2.5 to 2.5	Pass	
								-20	3.85	-7.768	-0.0092	-2.5 to 2.5	Pass	
								-10	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass	
								0	3.85	-9.127	-0.0108	-2.5 to 2.5	Pass	
								10	3.85	-10.972	-0.0130	-2.5 to 2.5	Pass	
								30	3.85	-8.669	-0.0102	-2.5 to 2.5	Pass	
								40	3.85	-7.911	-0.0093	-2.5 to 2.5	Pass	
50	3.85	-3.605	-0.0043	-2.5 to 2.5	Pass									
16QAM	826.5	25	0	20	3.27	-10.414	-0.0126	-2.5 to 2.5	Pass					
					3.85	-4.034	-0.0049	-2.5 to 2.5	Pass					
					4.43	-6.466	-0.0078	-2.5 to 2.5	Pass					
								-30	3.85	-7.238	-0.0088	-2.5 to 2.5	Pass	
								-20	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass	
								-10	3.85	-4.835	-0.0058	-2.5 to 2.5	Pass	
								0	3.85	-10.314	-0.0125	-2.5 to 2.5	Pass	
								10	3.85	-5.908	-0.0071	-2.5 to 2.5	Pass	
								30	3.85	-4.978	-0.0060	-2.5 to 2.5	Pass	
								40	3.85	-6.766	-0.0082	-2.5 to 2.5	Pass	
	50	3.85	-5.221	-0.0063	-2.5 to 2.5	Pass								
		836.5	25	0	20	3.27	-6.881	-0.0082	-2.5 to 2.5	Pass				
						3.85	-7.482	-0.0089	-2.5 to 2.5	Pass				
						4.43	-7.238	-0.0087	-2.5 to 2.5	Pass				
									-30	3.85	-4.163	-0.0050	-2.5 to 2.5	Pass
									-20	3.85	-6.194	-0.0074	-2.5 to 2.5	Pass
									-10	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
									0	3.85	-1.688	-0.0020	-2.5 to 2.5	Pass
									10	3.85	-4.306	-0.0051	-2.5 to 2.5	Pass
									30	3.85	-9.427	-0.0113	-2.5 to 2.5	Pass
									40	3.85	-8.526	-0.0102	-2.5 to 2.5	Pass
	50	3.85	-4.821	-0.0058	-2.5 to 2.5	Pass								
		846.5	25	0	20	3.27	-7.081	-0.0084	-2.5 to 2.5	Pass				
						3.85	-1.087	-0.0013	-2.5 to 2.5	Pass				
						4.43	-2.747	-0.0032	-2.5 to 2.5	Pass				
									-30	3.85	-5.937	-0.0070	-2.5 to 2.5	Pass
									-20	3.85	-5.994	-0.0071	-2.5 to 2.5	Pass
									-10	3.85	-8.583	-0.0101	-2.5 to 2.5	Pass
									0	3.85	-8.326	-0.0098	-2.5 to 2.5	Pass
									10	3.85	-3.891	-0.0046	-2.5 to 2.5	Pass
30									3.85	-6.981	-0.0082	-2.5 to 2.5	Pass	
40									3.85	-1.688	-0.0020	-2.5 to 2.5	Pass	
50	3.85	-8.984	-0.0106	-2.5 to 2.5	Pass									

2.4 B5_10MHz

2.4.1 Test Result

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.27	-9.198	-0.0111	-2.5 to 2.5	Pass
					3.85	-5.822	-0.0070	-2.5 to 2.5	Pass
					4.43	-7.753	-0.0094	-2.5 to 2.5	Pass

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				-30	3.85	-6.466	-0.0078	-2.5 to 2.5	Pass			
				-20	3.85	-5.836	-0.0070	-2.5 to 2.5	Pass			
				-10	3.85	-7.796	-0.0094	-2.5 to 2.5	Pass			
				0	3.85	-8.240	-0.0099	-2.5 to 2.5	Pass			
				10	3.85	-7.668	-0.0092	-2.5 to 2.5	Pass			
				30	3.85	-8.082	-0.0097	-2.5 to 2.5	Pass			
				40	3.85	-7.539	-0.0091	-2.5 to 2.5	Pass			
	50	3.85	-6.394	-0.0077	-2.5 to 2.5	Pass						
	836.5	50	0	20	3.27	-5.851	-0.0070	-2.5 to 2.5	Pass			
					3.85	-4.578	-0.0055	-2.5 to 2.5	Pass			
					4.43	-4.091	-0.0049	-2.5 to 2.5	Pass			
				-30	3.85	-3.448	-0.0041	-2.5 to 2.5	Pass			
				-20	3.85	-4.005	-0.0048	-2.5 to 2.5	Pass			
				-10	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass			
				0	3.85	-3.147	-0.0038	-2.5 to 2.5	Pass			
				10	3.85	-4.892	-0.0058	-2.5 to 2.5	Pass			
				30	3.85	-3.934	-0.0047	-2.5 to 2.5	Pass			
				40	3.85	-5.364	-0.0064	-2.5 to 2.5	Pass			
				50	3.85	-4.978	-0.0060	-2.5 to 2.5	Pass			
				844	50	0	20	3.27	-5.150	-0.0061	-2.5 to 2.5	Pass
								3.85	-9.685	-0.0115	-2.5 to 2.5	Pass
								4.43	-7.582	-0.0090	-2.5 to 2.5	Pass
	-30	3.85	-5.636				-0.0067	-2.5 to 2.5	Pass			
	-20	3.85	-6.022				-0.0071	-2.5 to 2.5	Pass			
	-10	3.85	-3.791				-0.0045	-2.5 to 2.5	Pass			
	0	3.85	-6.824				-0.0081	-2.5 to 2.5	Pass			
	10	3.85	-6.938				-0.0082	-2.5 to 2.5	Pass			
30	3.85	-6.609	-0.0078				-2.5 to 2.5	Pass				
40	3.85	-9.155	-0.0108				-2.5 to 2.5	Pass				
50	3.85	-6.695	-0.0079				-2.5 to 2.5	Pass				
16QAM	829	50	0	20	3.27	-8.984	-0.0108	-2.5 to 2.5	Pass			
					3.85	-9.942	-0.0120	-2.5 to 2.5	Pass			
					4.43	-7.367	-0.0089	-2.5 to 2.5	Pass			
				-30	3.85	-2.375	-0.0029	-2.5 to 2.5	Pass			
				-20	3.85	-7.095	-0.0086	-2.5 to 2.5	Pass			
				-10	3.85	-8.340	-0.0101	-2.5 to 2.5	Pass			
				0	3.85	-7.496	-0.0090	-2.5 to 2.5	Pass			
				10	3.85	-6.280	-0.0076	-2.5 to 2.5	Pass			
				30	3.85	-5.922	-0.0071	-2.5 to 2.5	Pass			
				40	3.85	-10.228	-0.0123	-2.5 to 2.5	Pass			
				50	3.85	-4.778	-0.0058	-2.5 to 2.5	Pass			
				836.5	50	0	20	3.27	-3.390	-0.0041	-2.5 to 2.5	Pass
								3.85	-5.078	-0.0061	-2.5 to 2.5	Pass
								4.43	-3.004	-0.0036	-2.5 to 2.5	Pass
	-30	3.85	-5.407				-0.0065	-2.5 to 2.5	Pass			
	-20	3.85	-4.463				-0.0053	-2.5 to 2.5	Pass			
	-10	3.85	-2.918				-0.0035	-2.5 to 2.5	Pass			
	0	3.85	-3.948				-0.0047	-2.5 to 2.5	Pass			
	10	3.85	-6.537				-0.0078	-2.5 to 2.5	Pass			
	30	3.85	-6.094				-0.0073	-2.5 to 2.5	Pass			
	40	3.85	-3.777				-0.0045	-2.5 to 2.5	Pass			
	50	3.85	-6.609				-0.0079	-2.5 to 2.5	Pass			
	844	50	0				20	3.27	-4.163	-0.0049	-2.5 to 2.5	Pass
								3.85	-6.495	-0.0077	-2.5 to 2.5	Pass
				4.43	-4.992	-0.0059		-2.5 to 2.5	Pass			
				-30	3.85	-6.280	-0.0074	-2.5 to 2.5	Pass			
	-20	3.85	-5.193	-0.0062	-2.5 to 2.5	Pass						

				-10	3.85	-4.277	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-6.108	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-5.851	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-5.379	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-2.675	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-5.021	-0.0059	-2.5 to 2.5	Pass

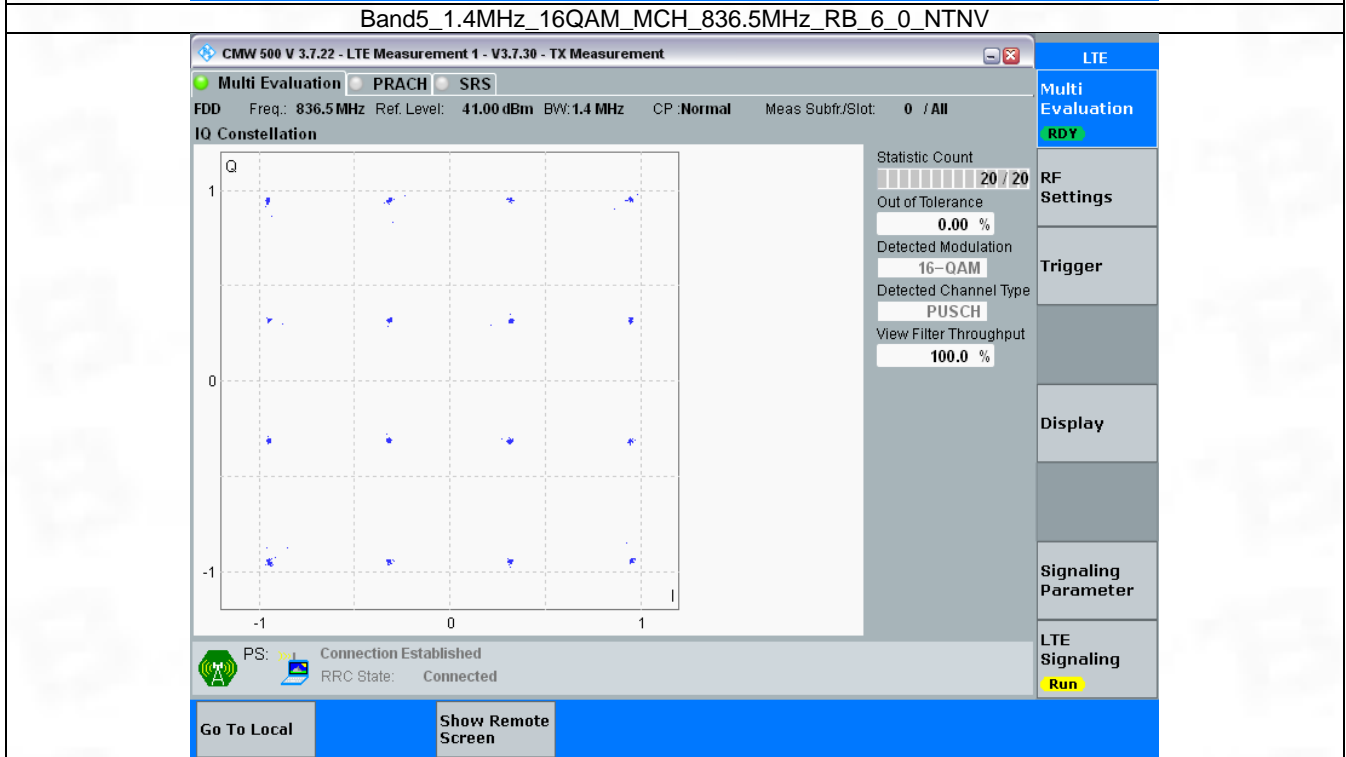
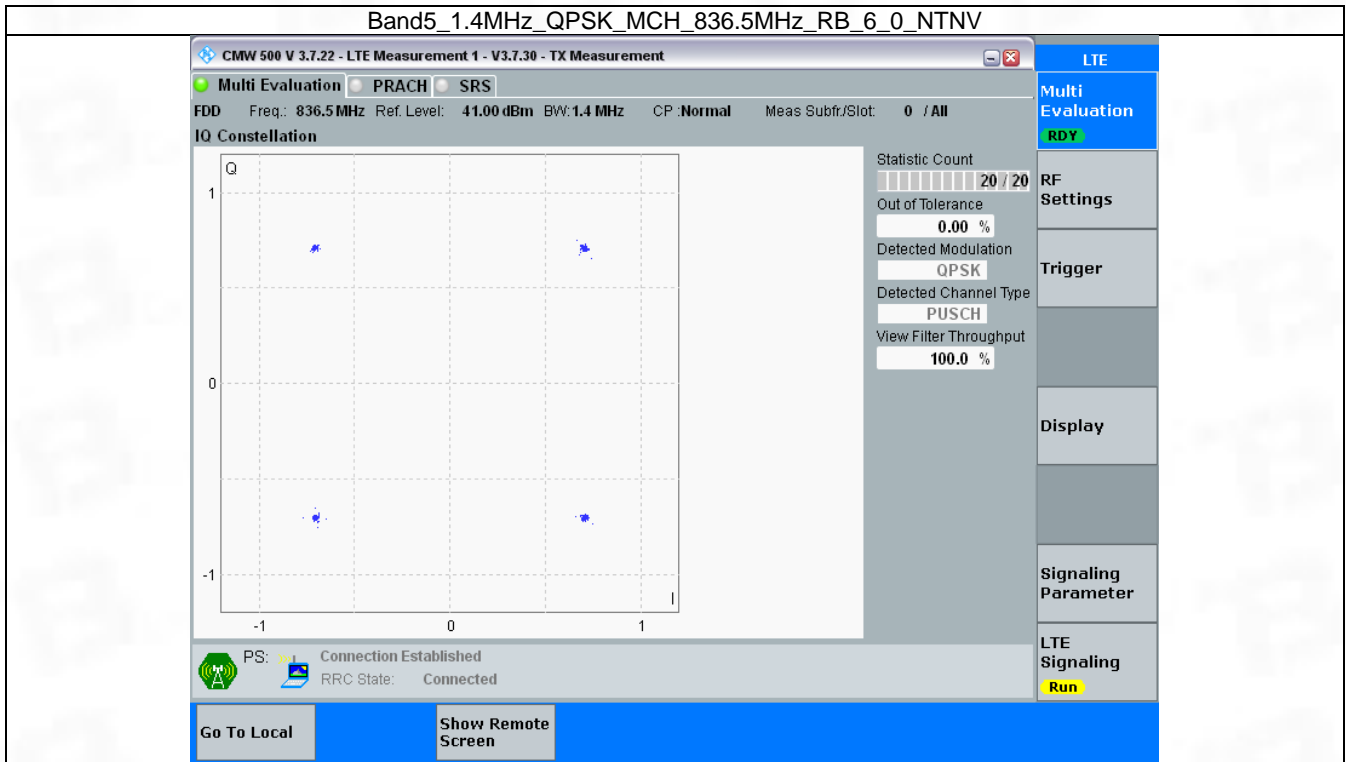
3. Modulation Characteristics

3.1 B5_1.4MHz

3.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	6	0	Refer To Test Graph		Pass
16QAM	836.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

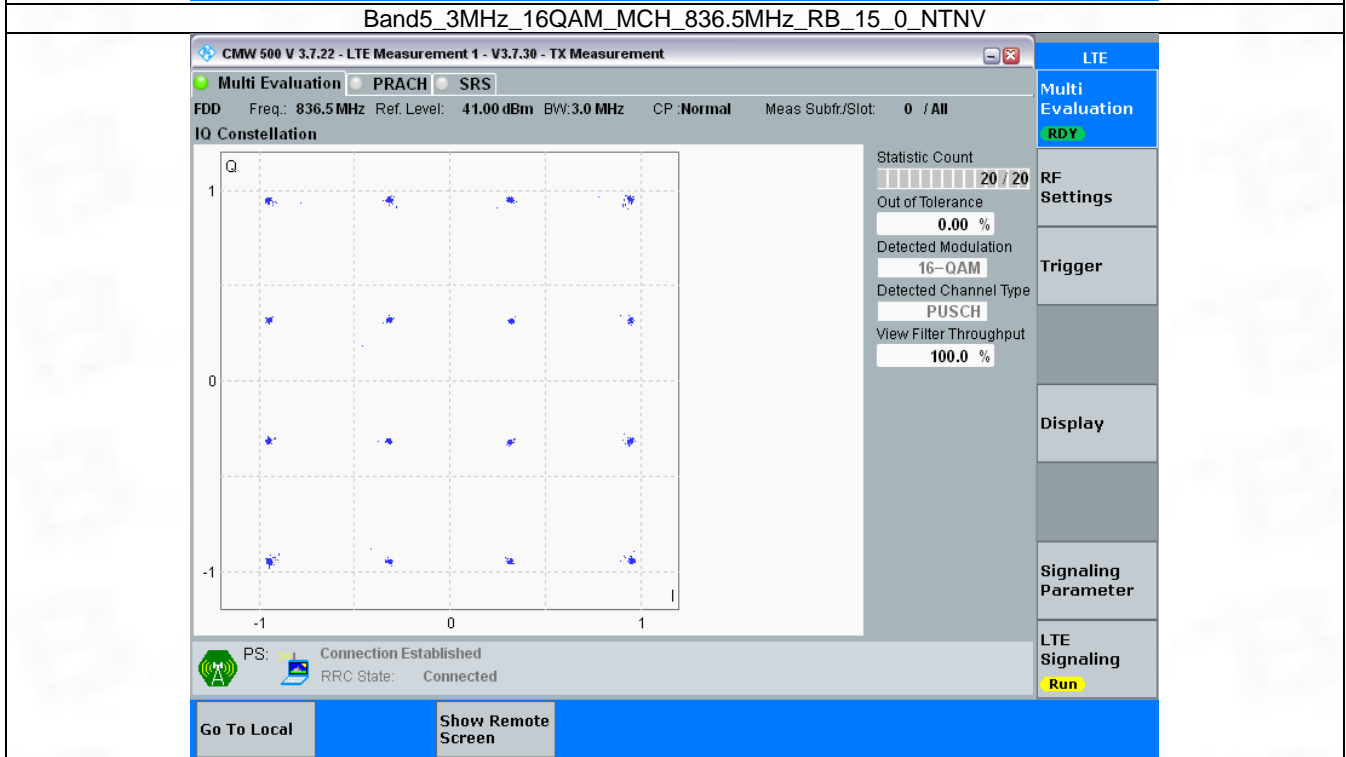
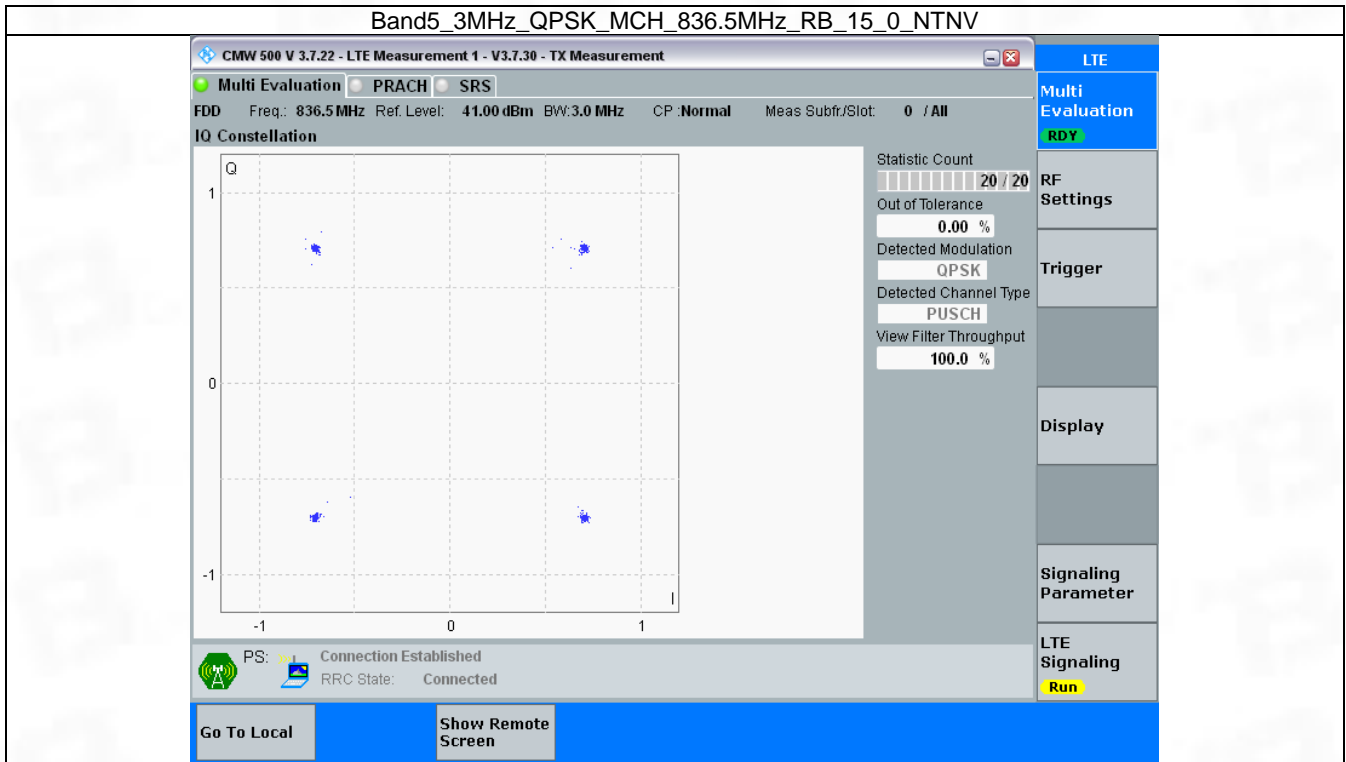


3.2 B5_3MHz

3.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	15	0	Refer To Test Graph		Pass
16QAM	836.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

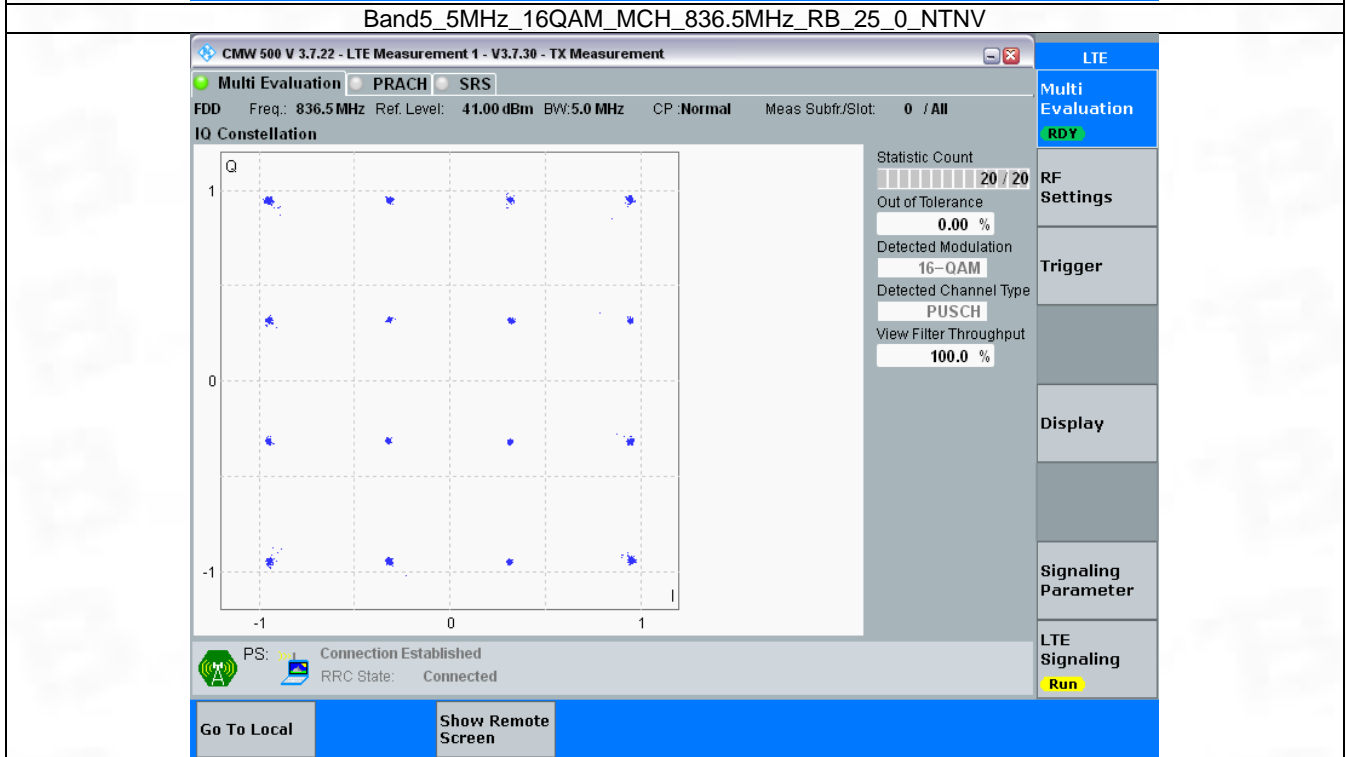
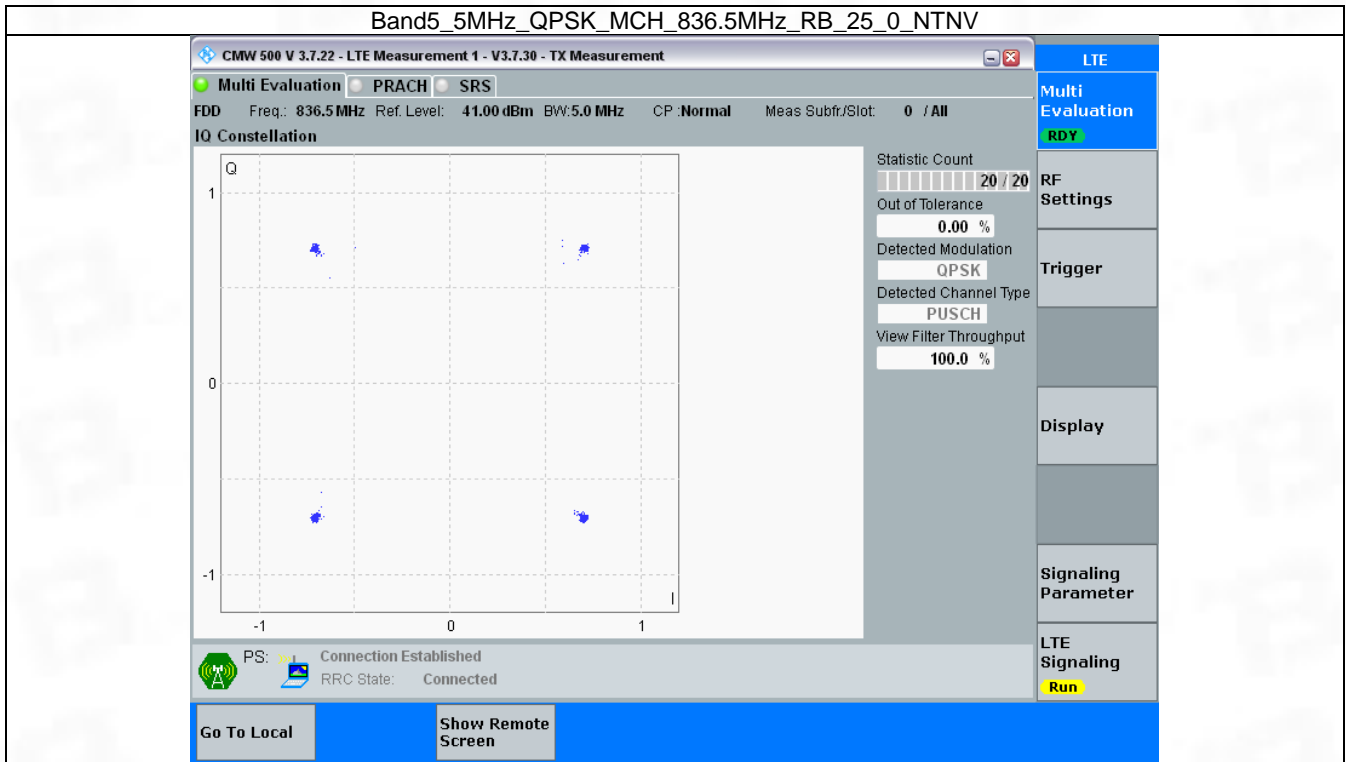


3.3 B5_5MHz

3.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

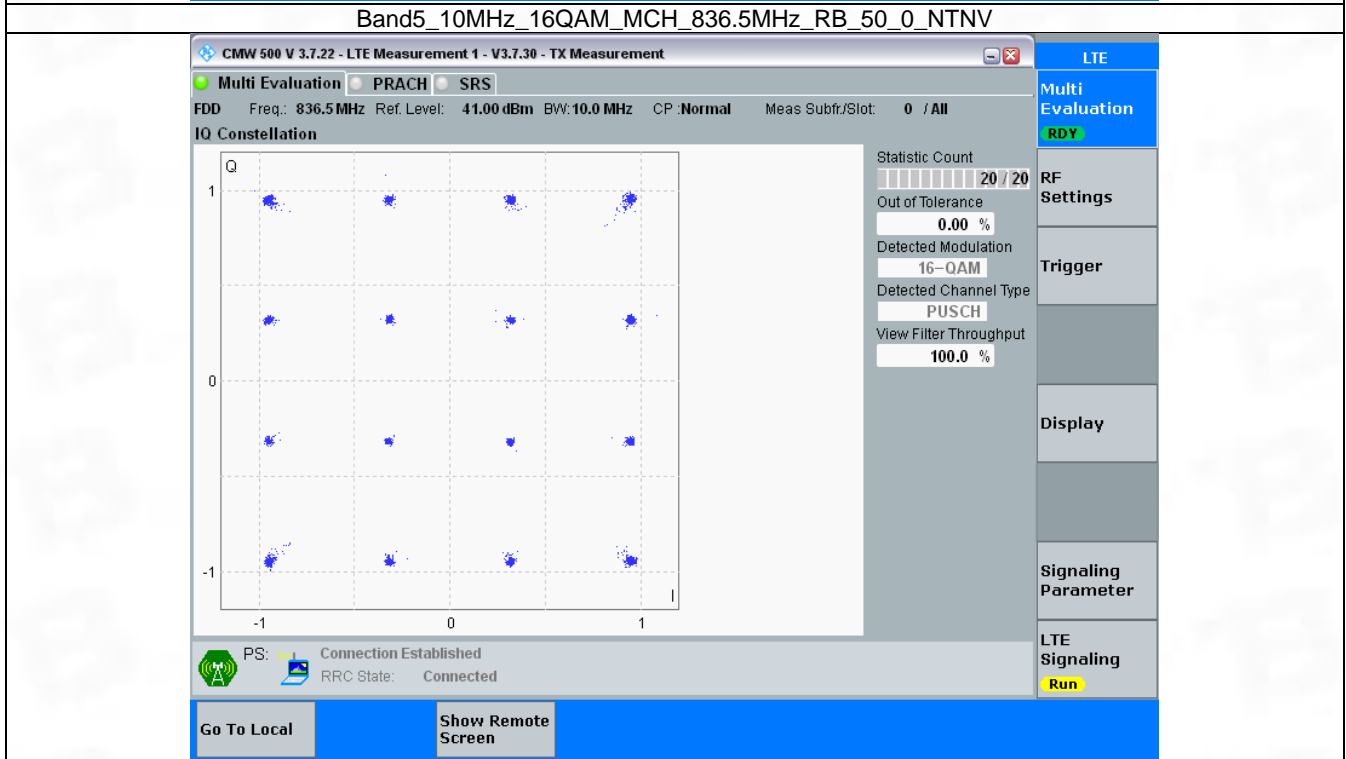
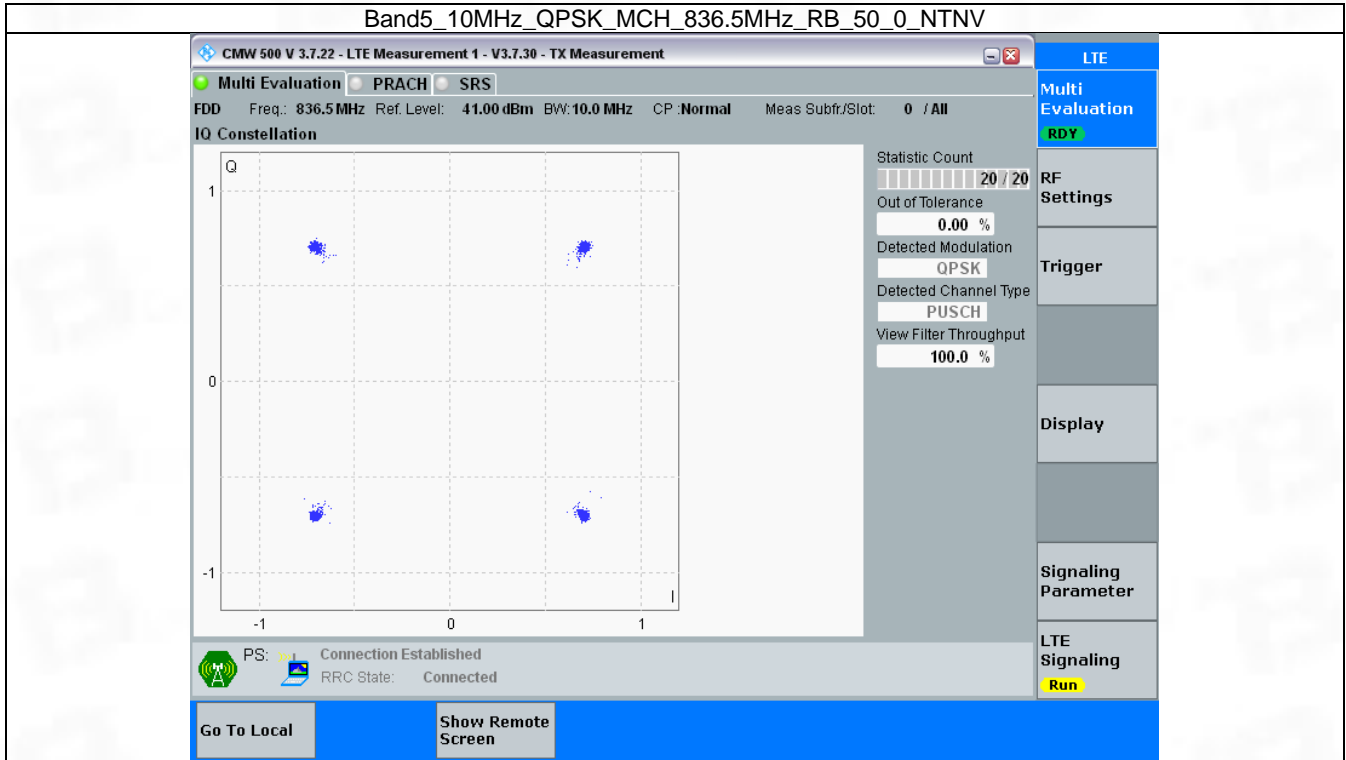


3.4 B5_10MHz

3.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph



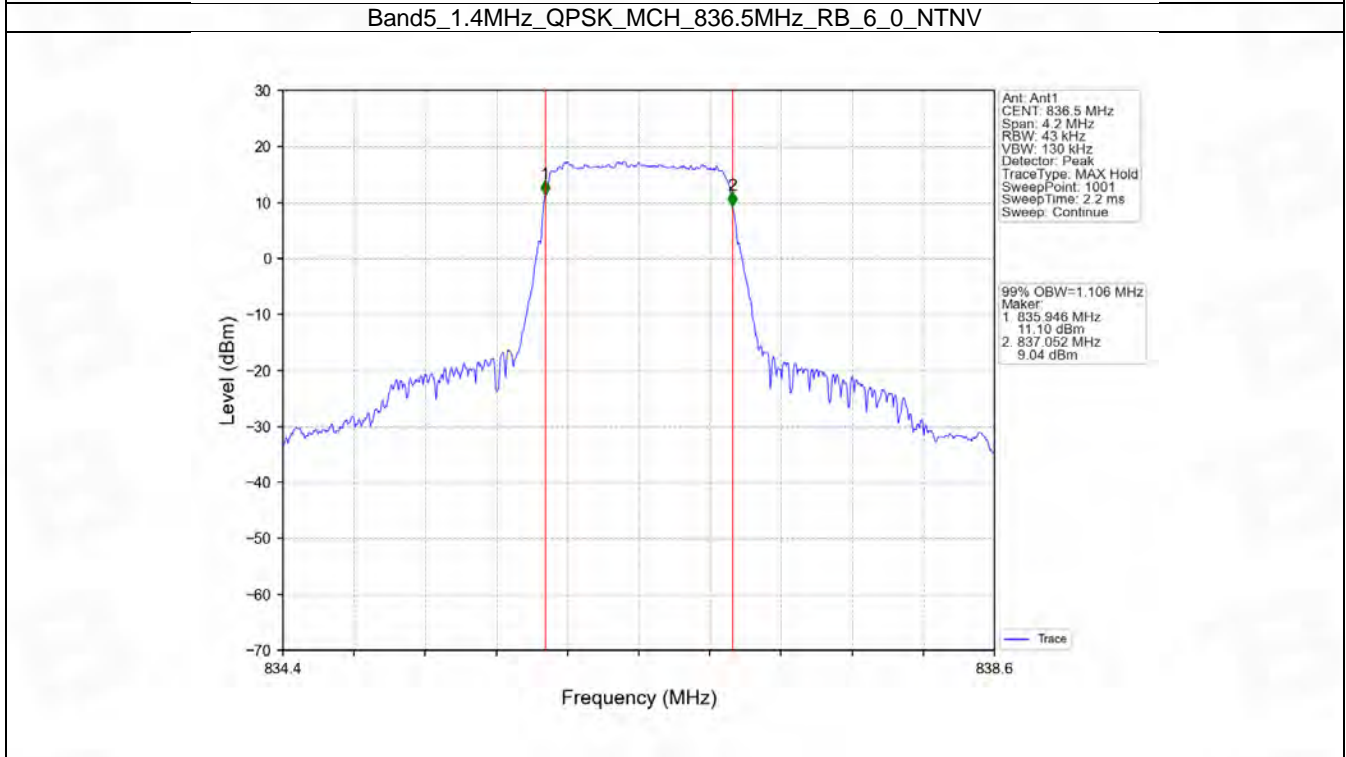
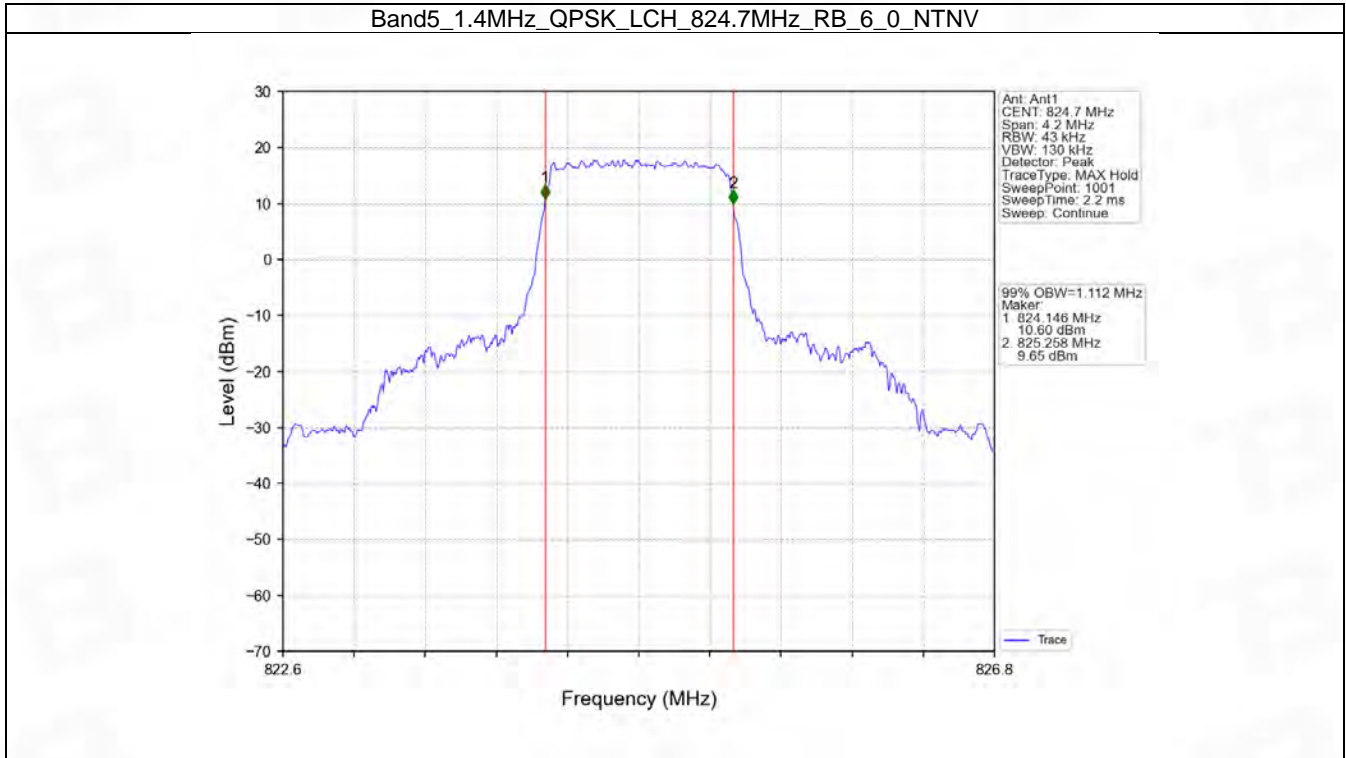
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

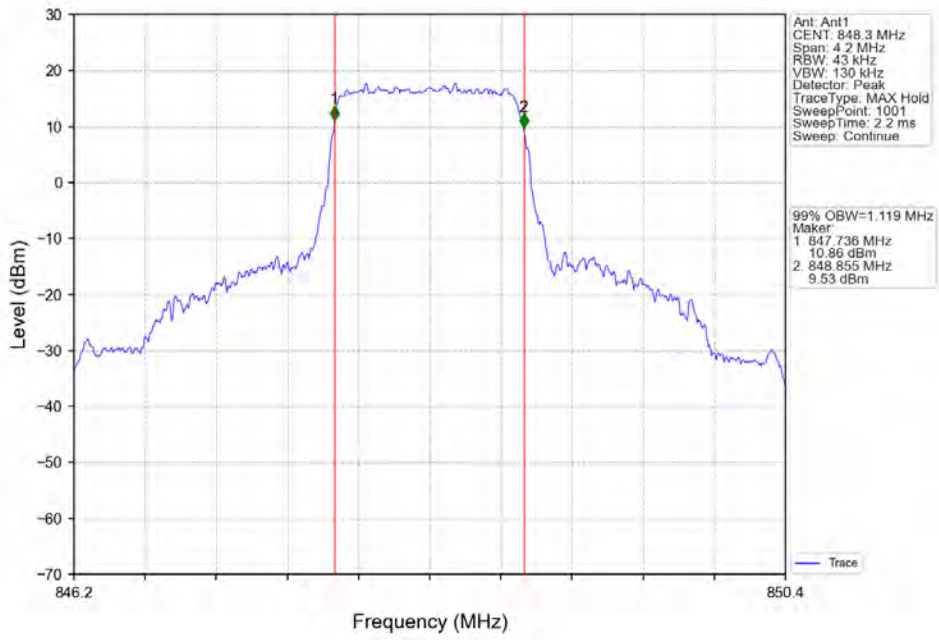
4.1.1 Test Result

Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.112	/	Pass
		836.5	6	0	1.106	/	Pass
		848.3	6	0	1.119	/	Pass
	16QAM	824.7	6	0	1.113	/	Pass
		836.5	6	0	1.114	/	Pass
		848.3	6	0	1.112	/	Pass
3	QPSK	825.5	15	0	2.726	/	Pass
		836.5	15	0	2.725	/	Pass
		847.5	15	0	2.725	/	Pass
	16QAM	825.5	15	0	2.730	/	Pass
		836.5	15	0	2.720	/	Pass
		847.5	15	0	2.725	/	Pass
5	QPSK	826.5	25	0	4.579	/	Pass
		836.5	25	0	4.566	/	Pass
		846.5	25	0	4.572	/	Pass
	16QAM	826.5	25	0	4.592	/	Pass
		836.5	25	0	4.582	/	Pass
		846.5	25	0	4.567	/	Pass
10	QPSK	829	50	0	9.087	/	Pass
		836.5	50	0	9.081	/	Pass
		844	50	0	9.063	/	Pass
	16QAM	829	50	0	9.071	/	Pass
		836.5	50	0	9.079	/	Pass
		844	50	0	9.051	/	Pass

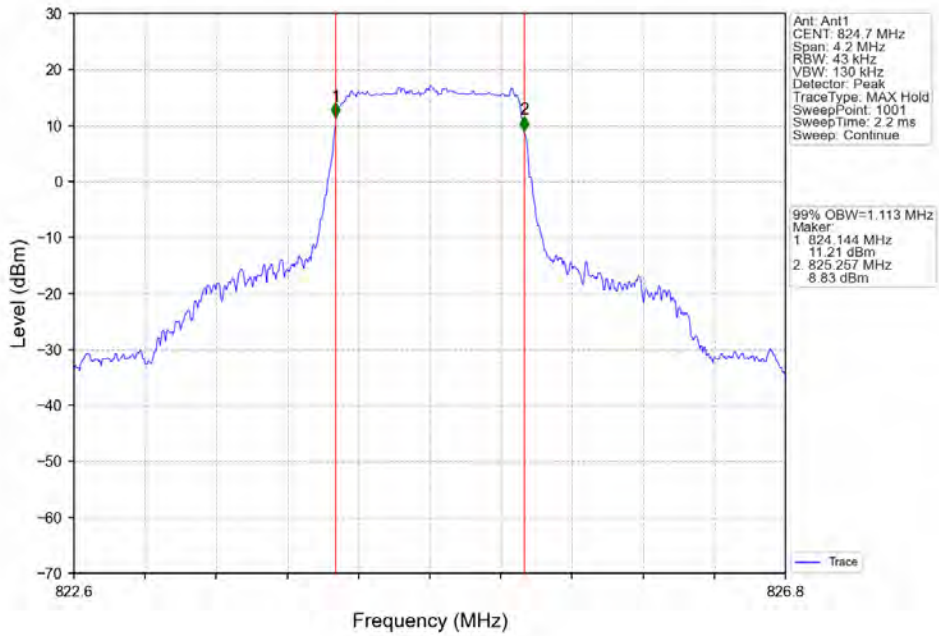
4.1.2 Test Graph



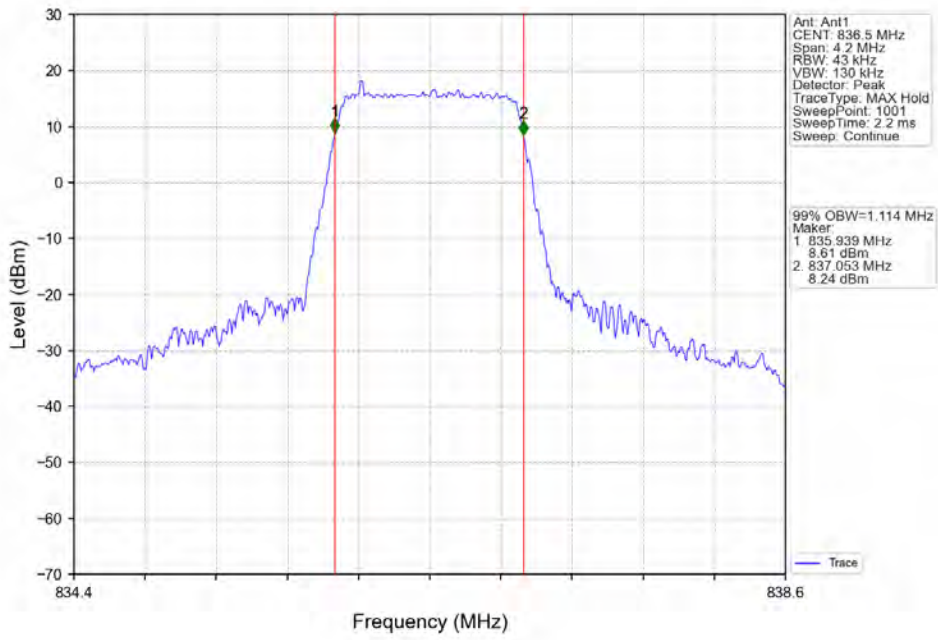
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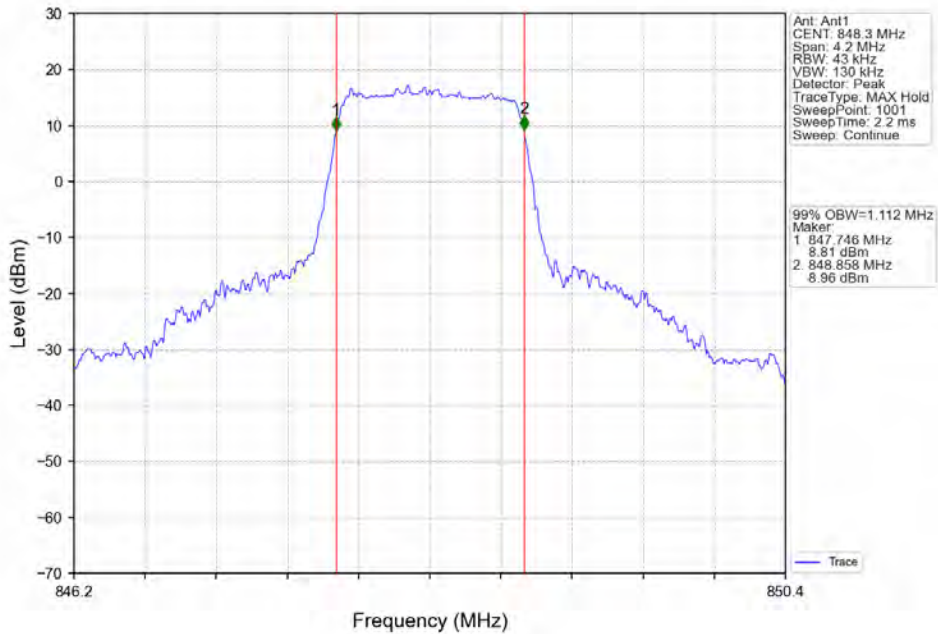
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



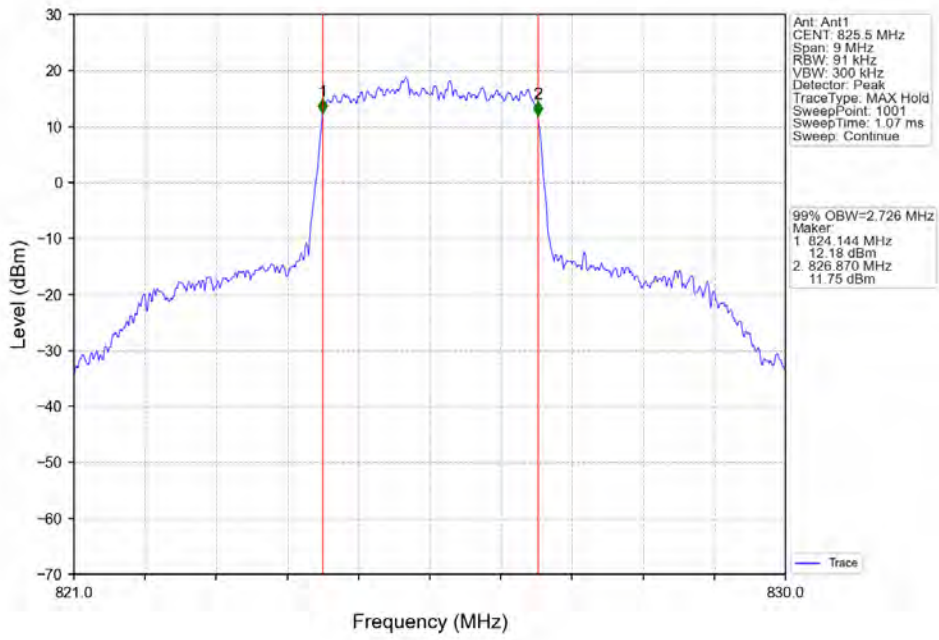
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



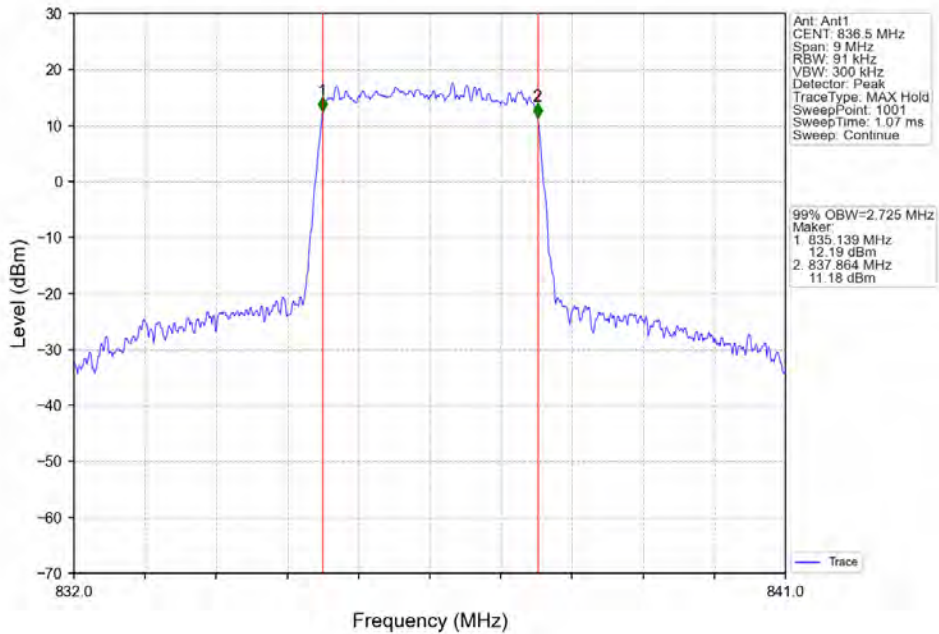
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



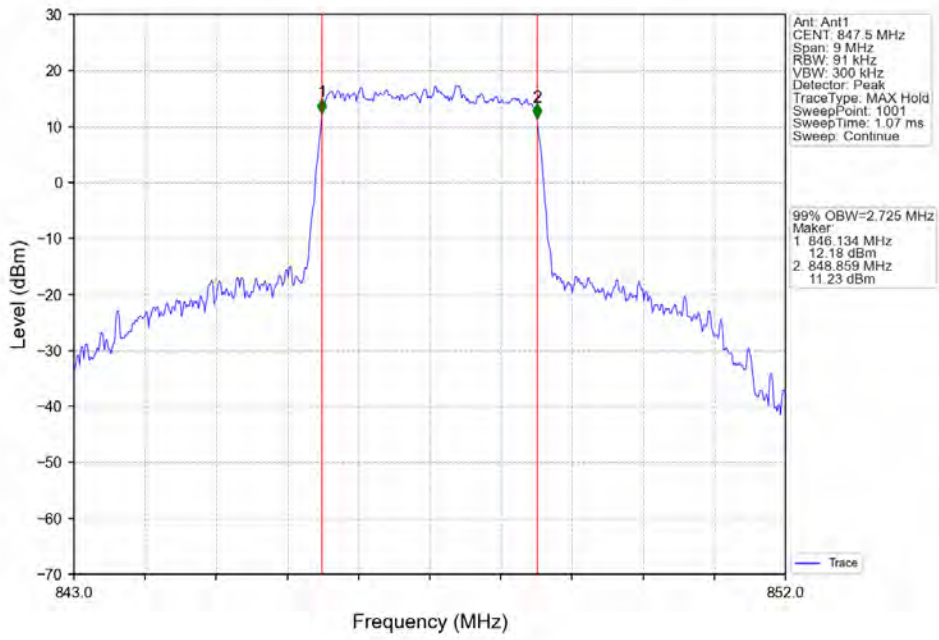
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



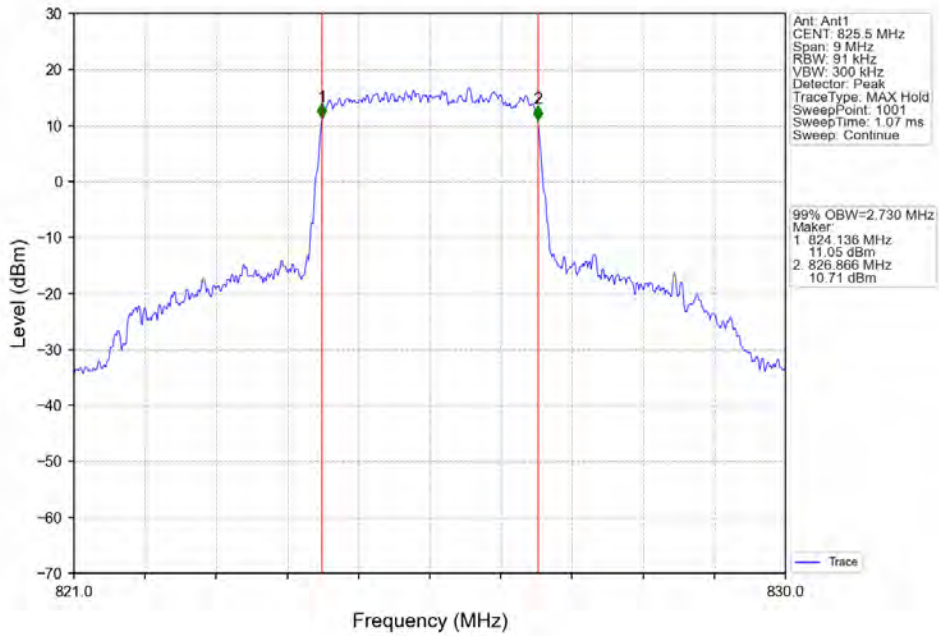
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



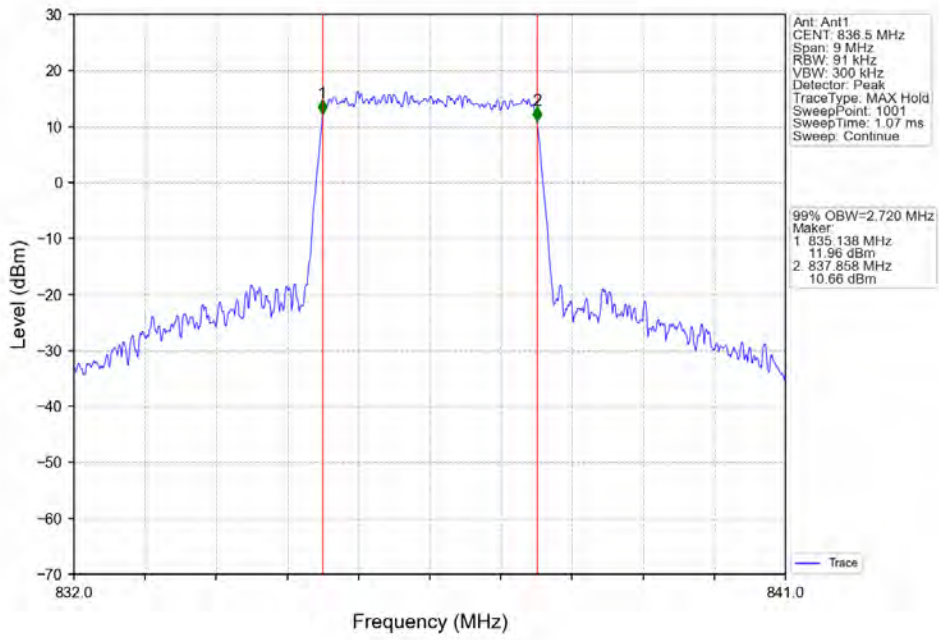
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



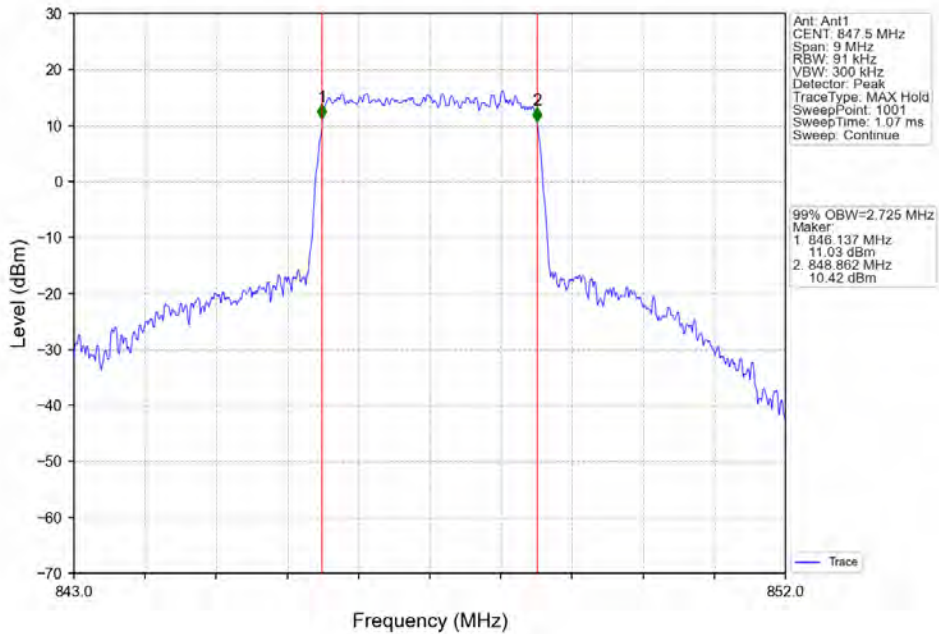
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



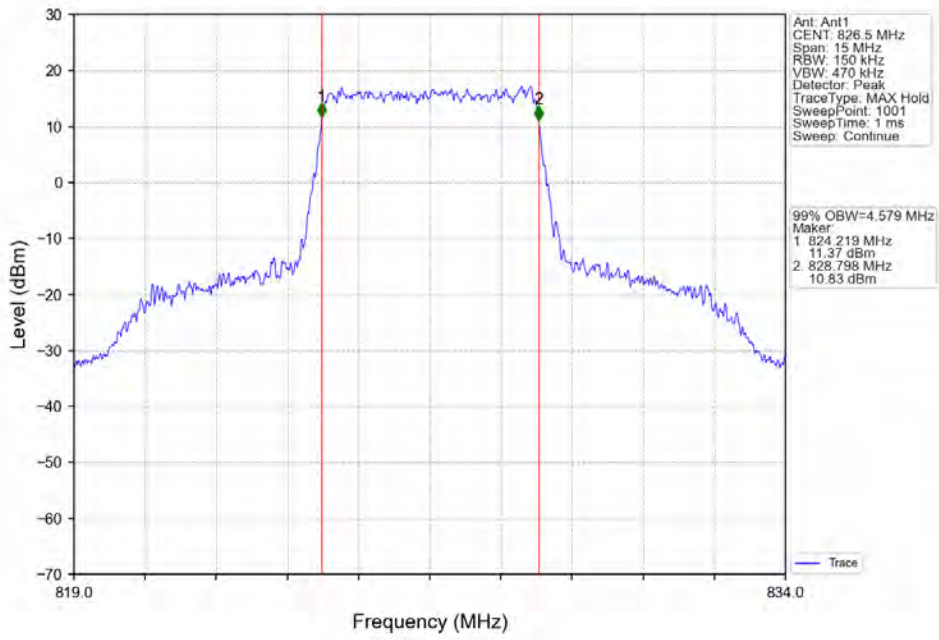
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



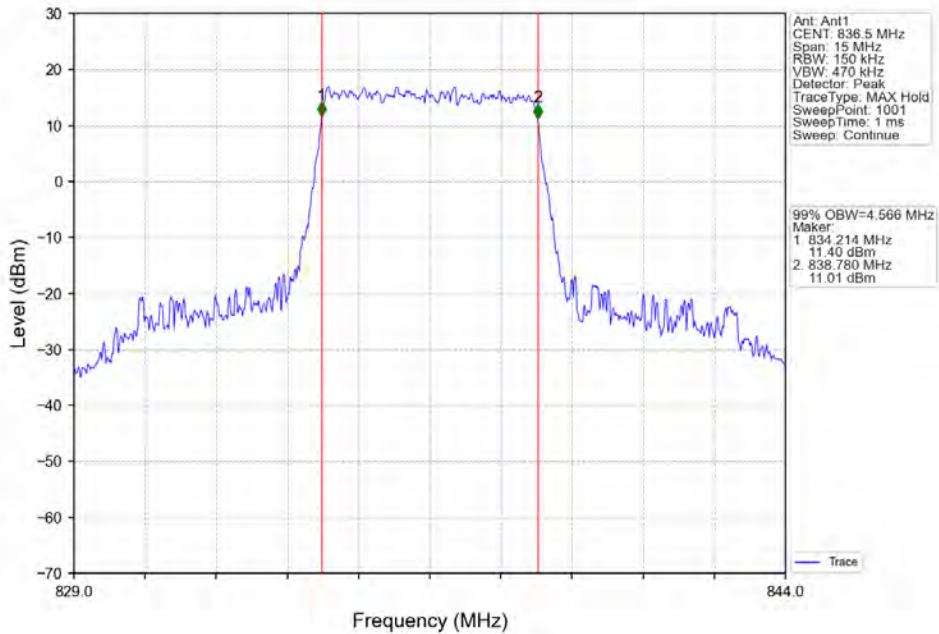
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



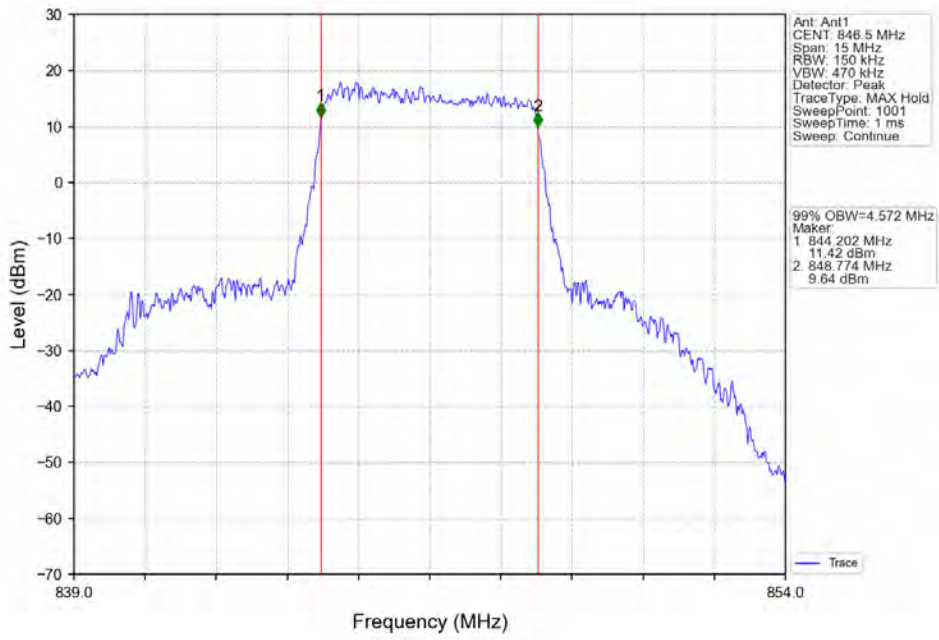
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



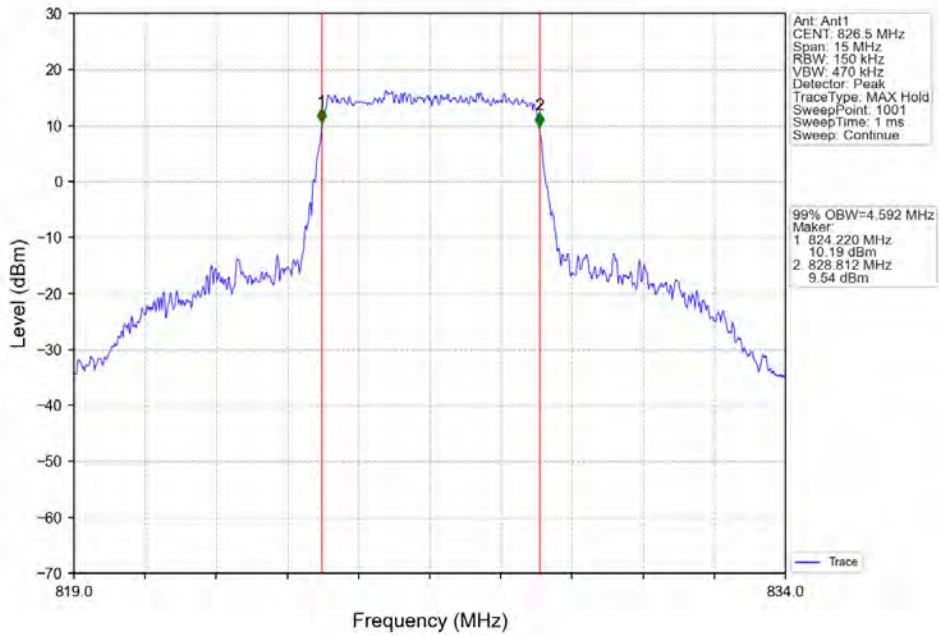
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



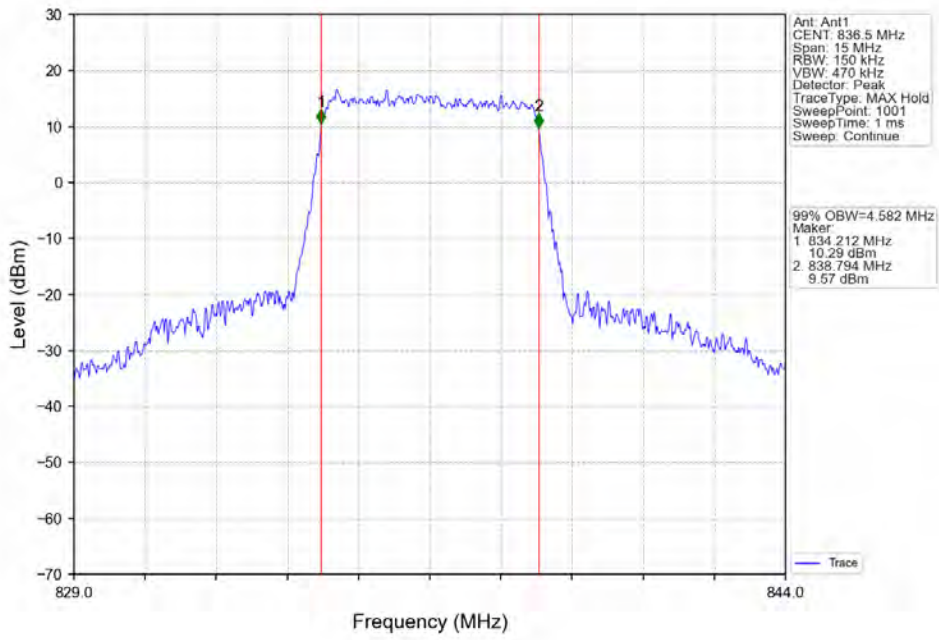
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



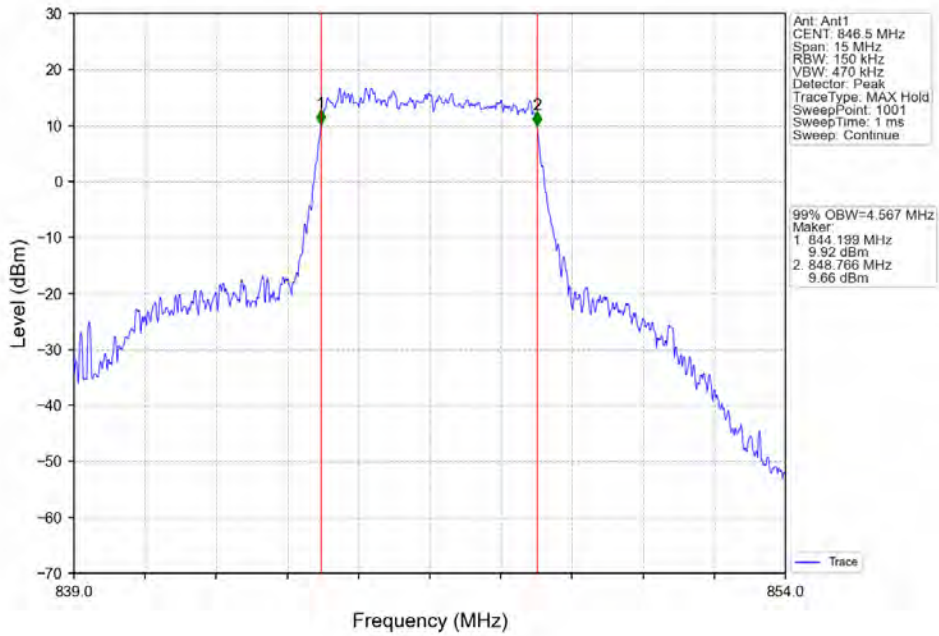
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



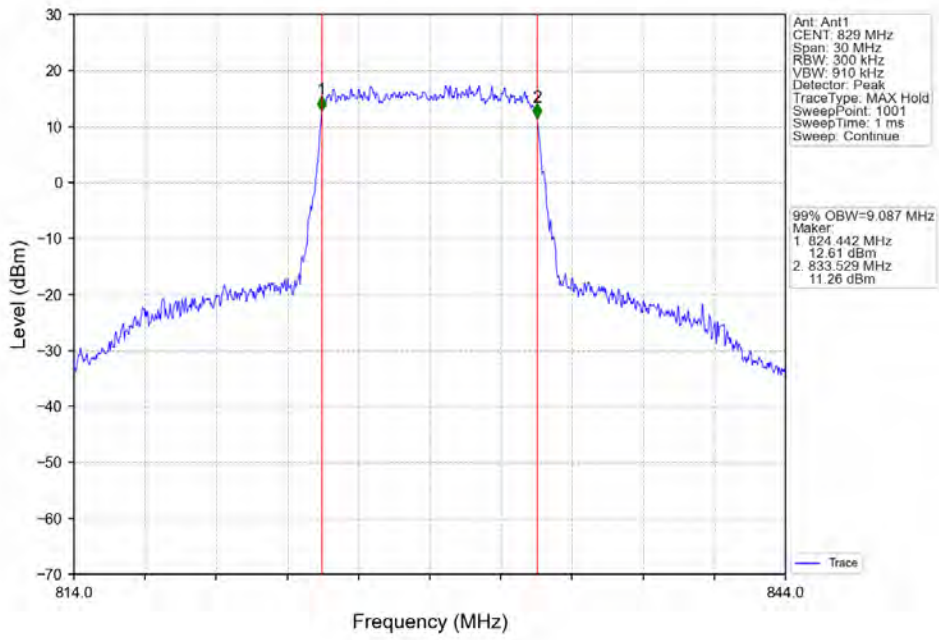
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



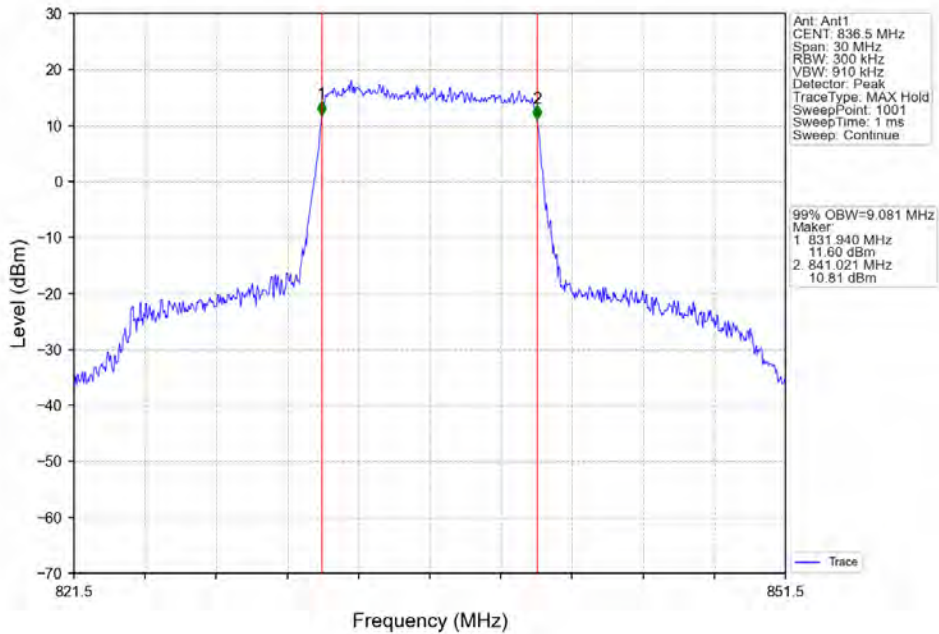
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



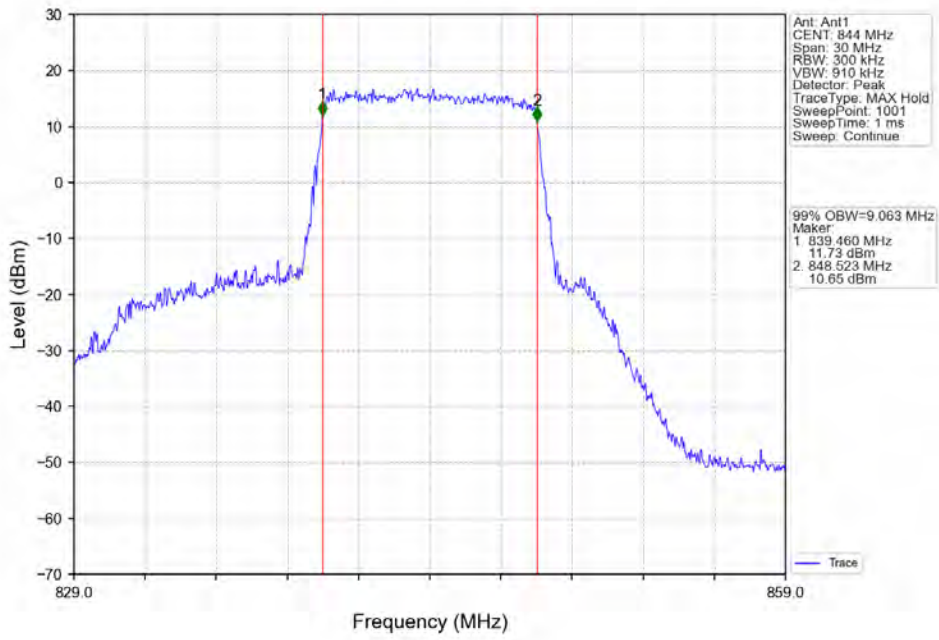
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



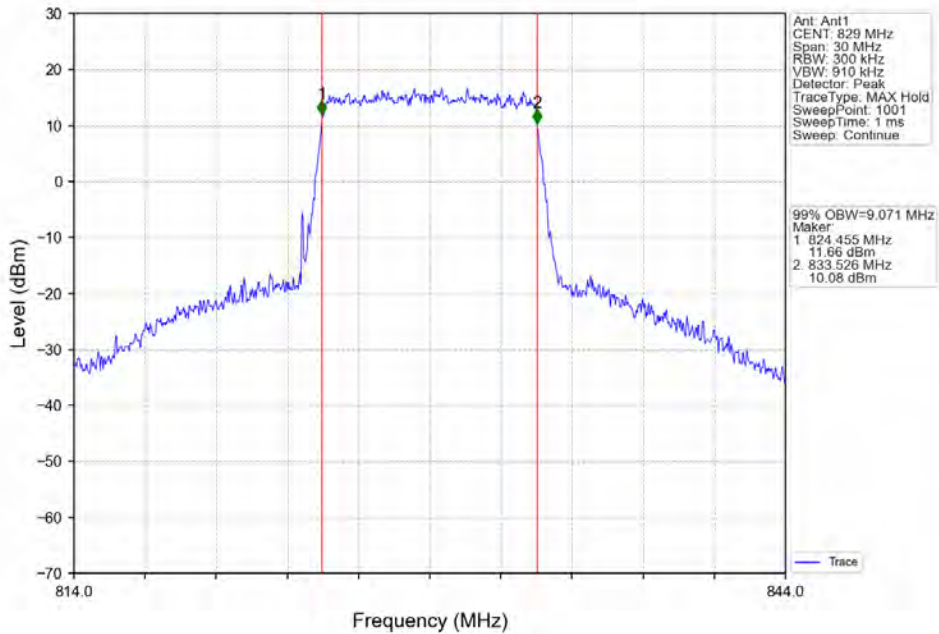
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

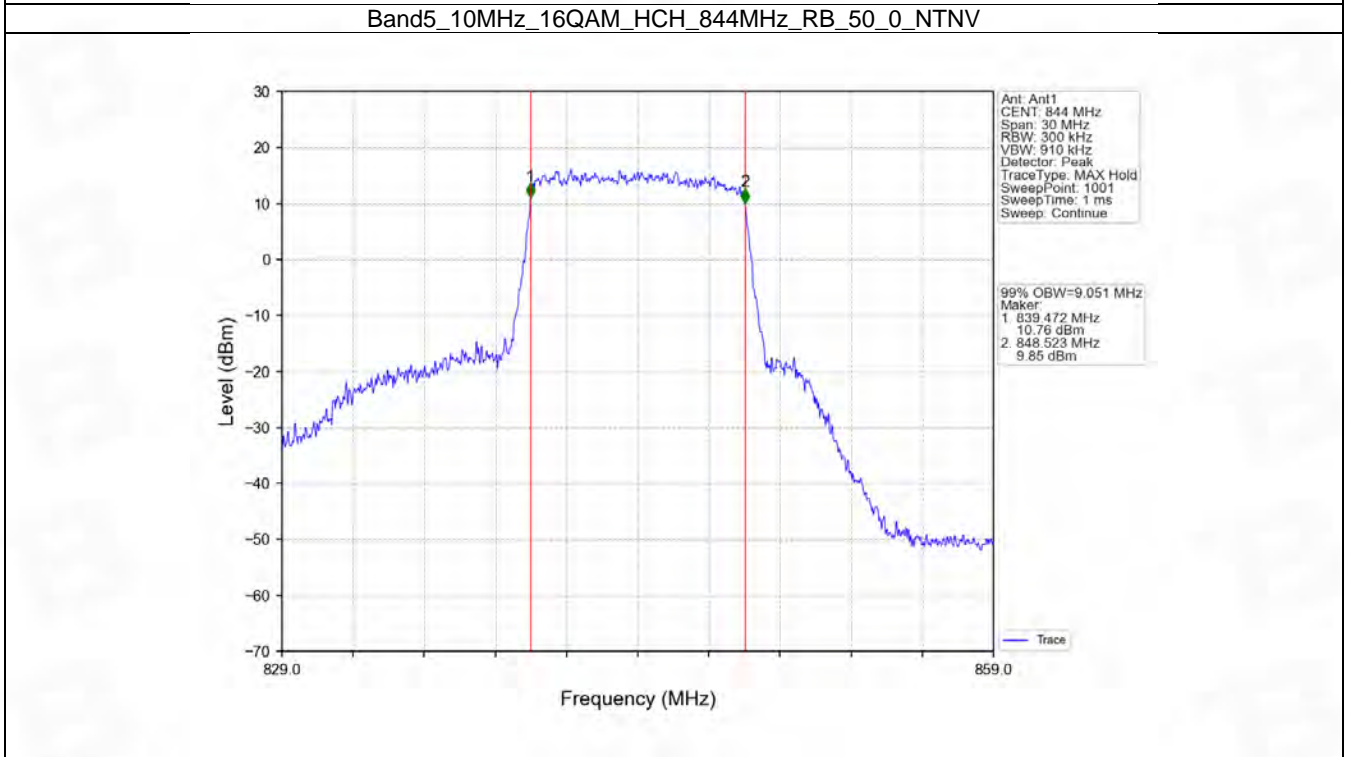
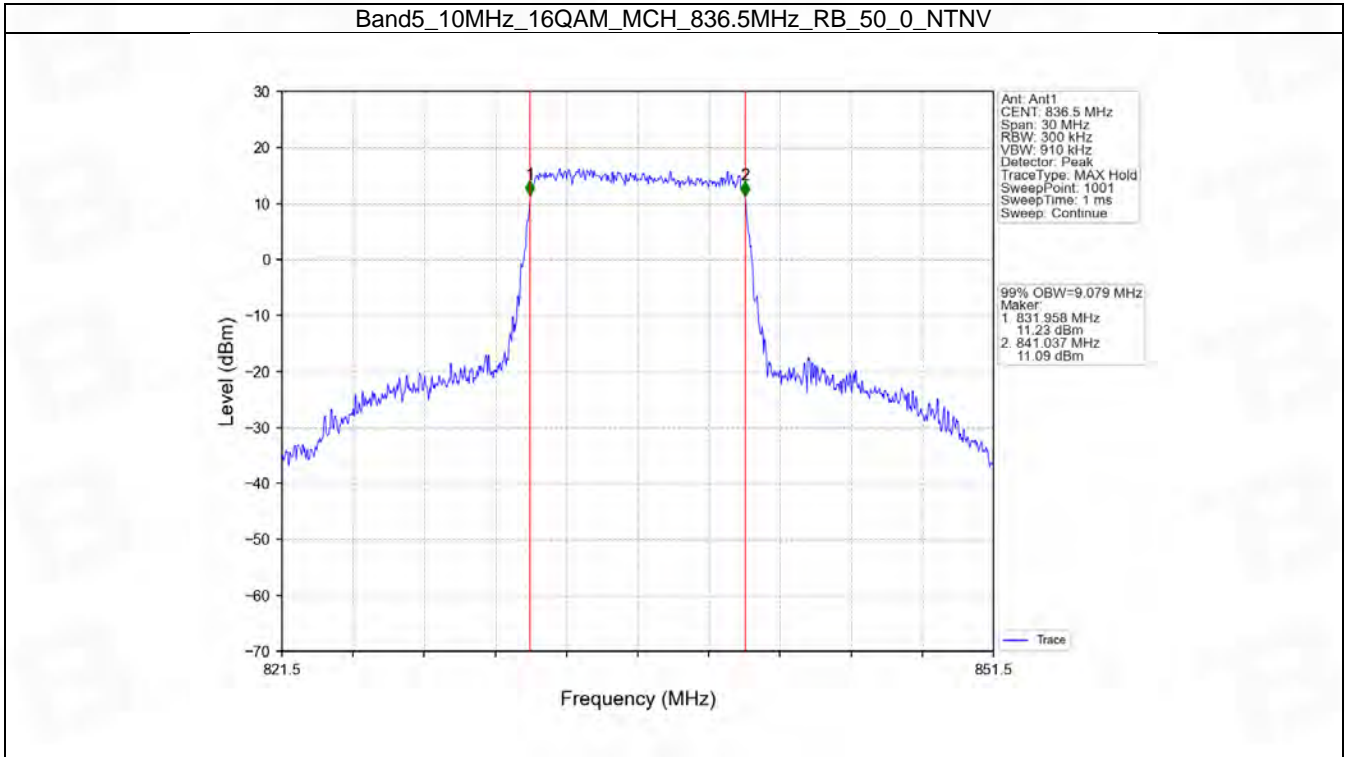


Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



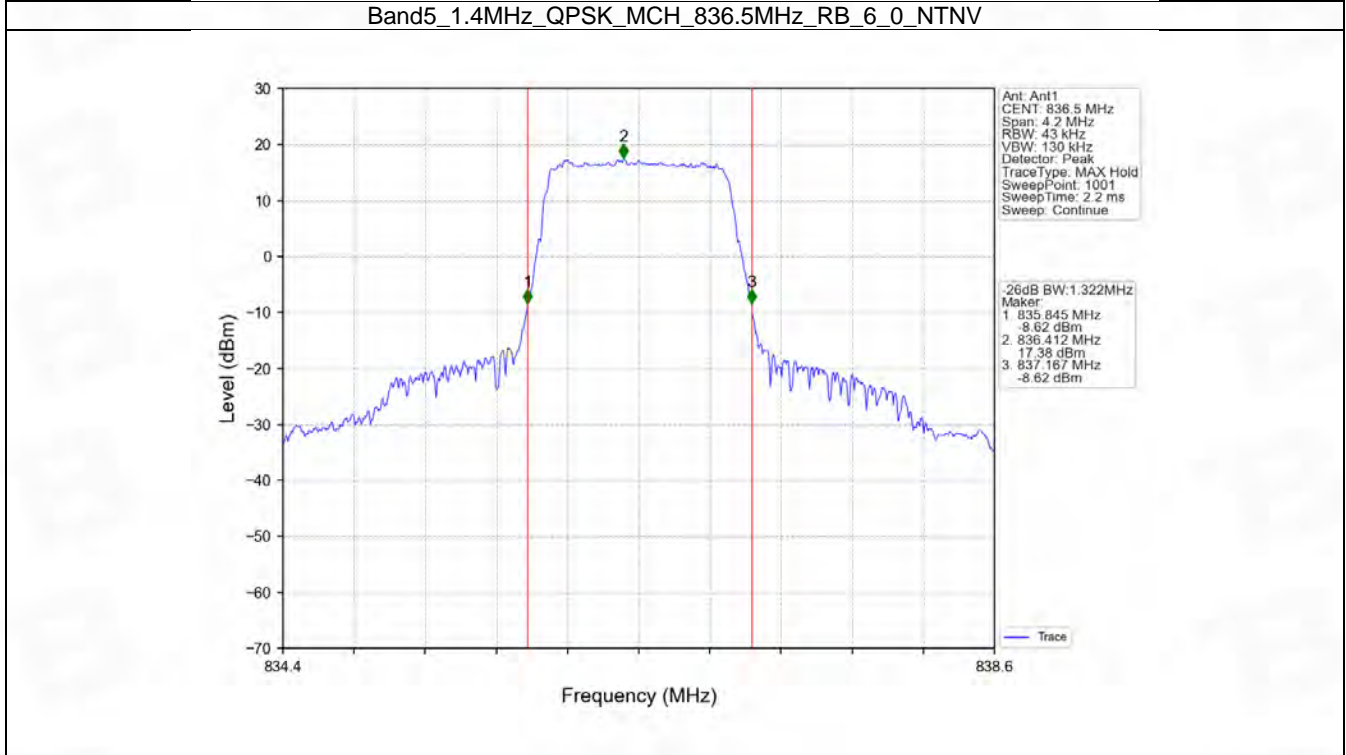
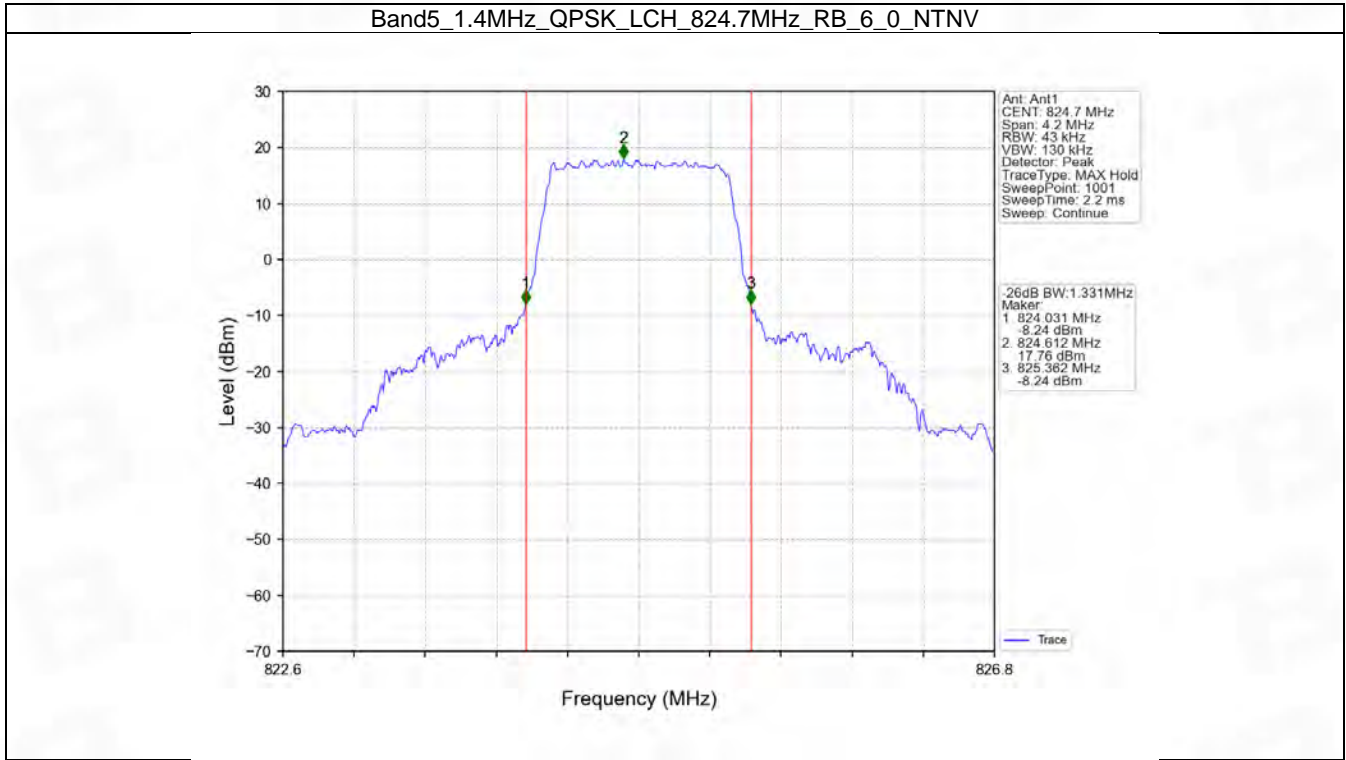


4.2 Band5_XDB

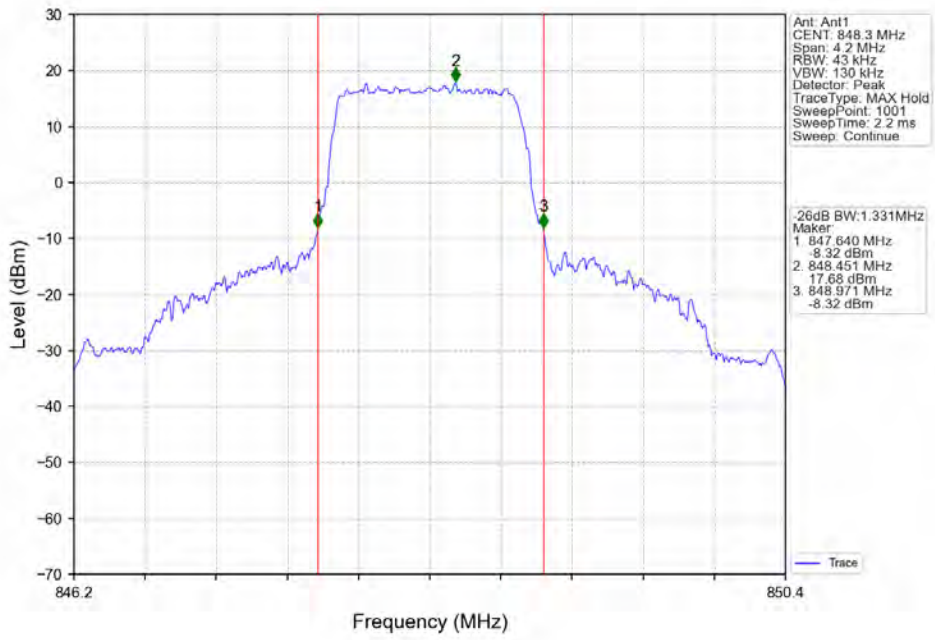
4.2.1 Test Result

Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.331	/	Pass
		836.5	6	0	1.322	/	Pass
		848.3	6	0	1.331	/	Pass
	16QAM	824.7	6	0	1.306	/	Pass
		836.5	6	0	1.307	/	Pass
		848.3	6	0	1.309	/	Pass
3	QPSK	825.5	15	0	2.992	/	Pass
		836.5	15	0	2.986	/	Pass
		847.5	15	0	2.997	/	Pass
	16QAM	825.5	15	0	3.015	/	Pass
		836.5	15	0	2.991	/	Pass
		847.5	15	0	2.972	/	Pass
5	QPSK	826.5	25	0	5.309	/	Pass
		836.5	25	0	5.227	/	Pass
		846.5	25	0	5.187	/	Pass
	16QAM	826.5	25	0	5.305	/	Pass
		836.5	25	0	5.248	/	Pass
		846.5	25	0	5.269	/	Pass
10	QPSK	829	50	0	10.277	/	Pass
		836.5	50	0	10.267	/	Pass
		844	50	0	10.251	/	Pass
	16QAM	829	50	0	10.521	/	Pass
		836.5	50	0	10.179	/	Pass
		844	50	0	10.229	/	Pass

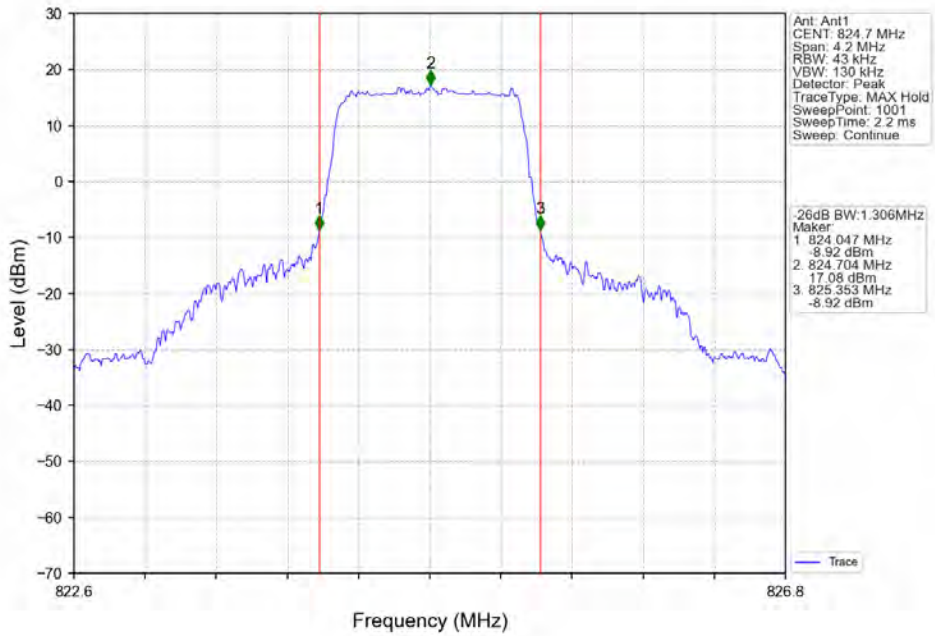
4.2.2 Test Graph



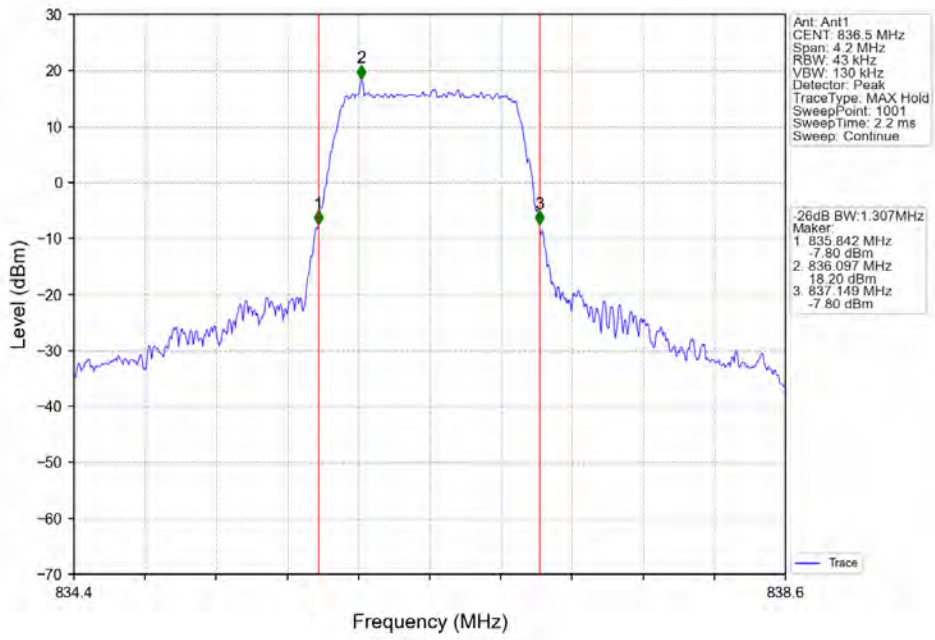
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



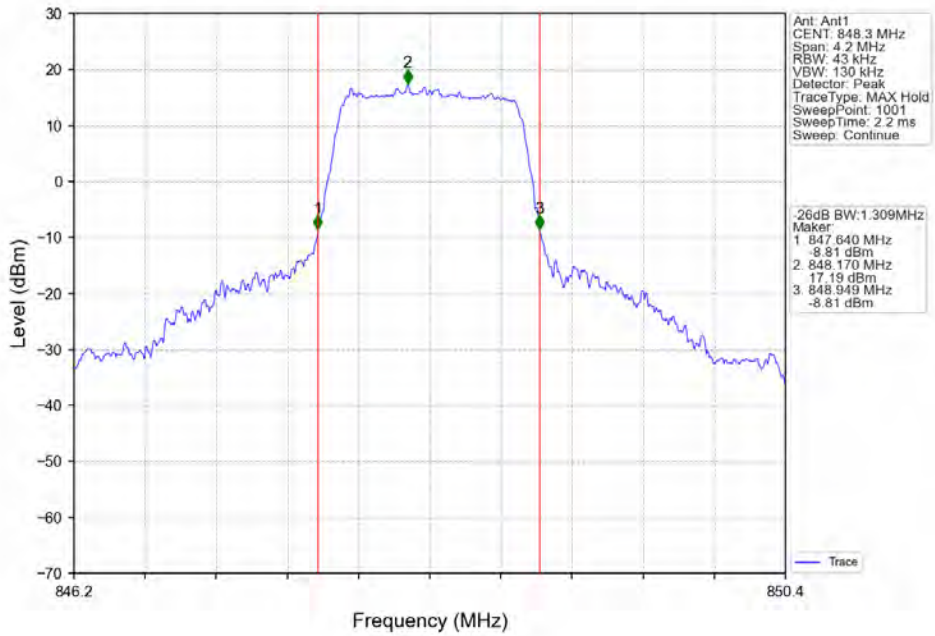
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



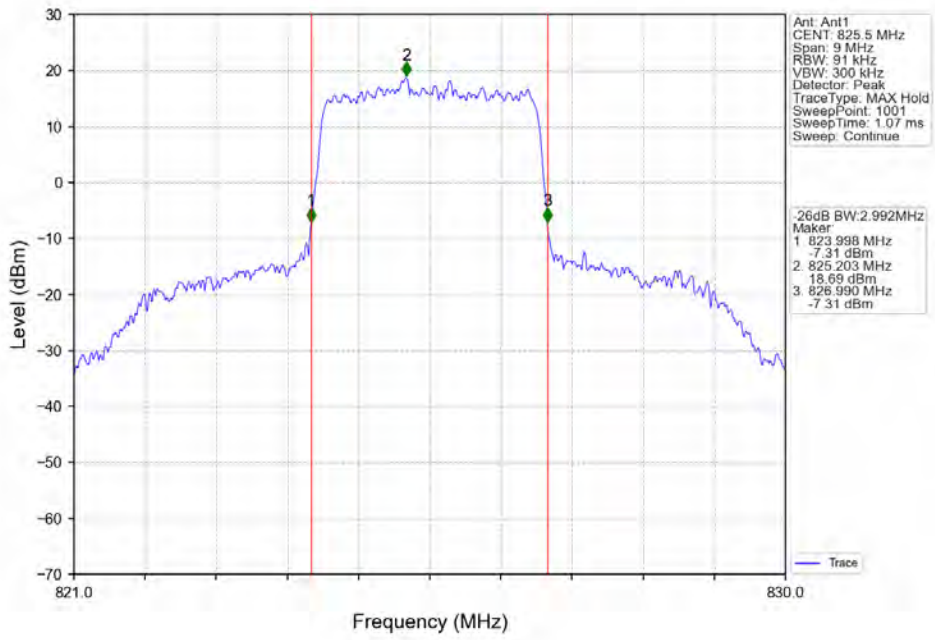
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



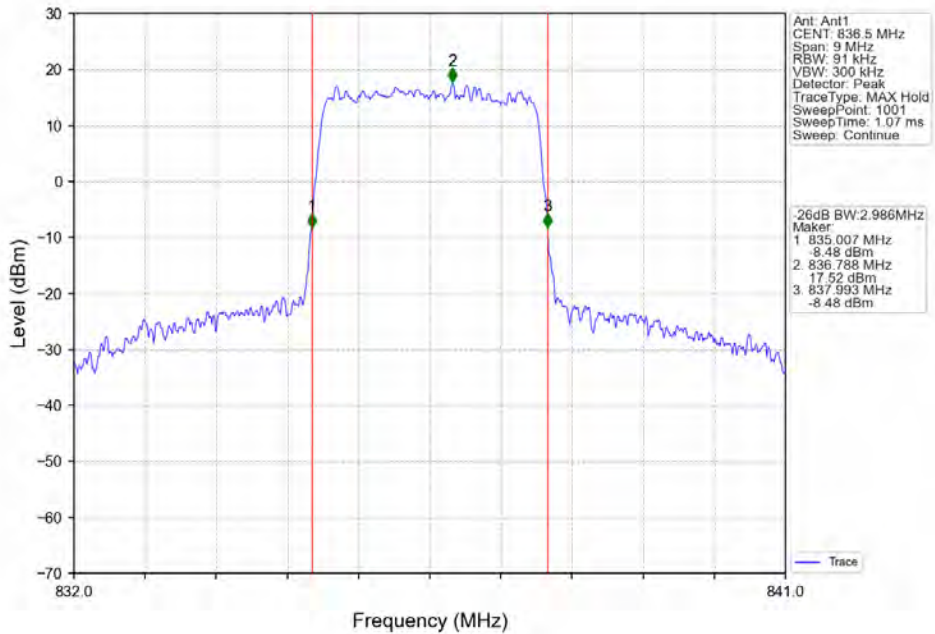
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



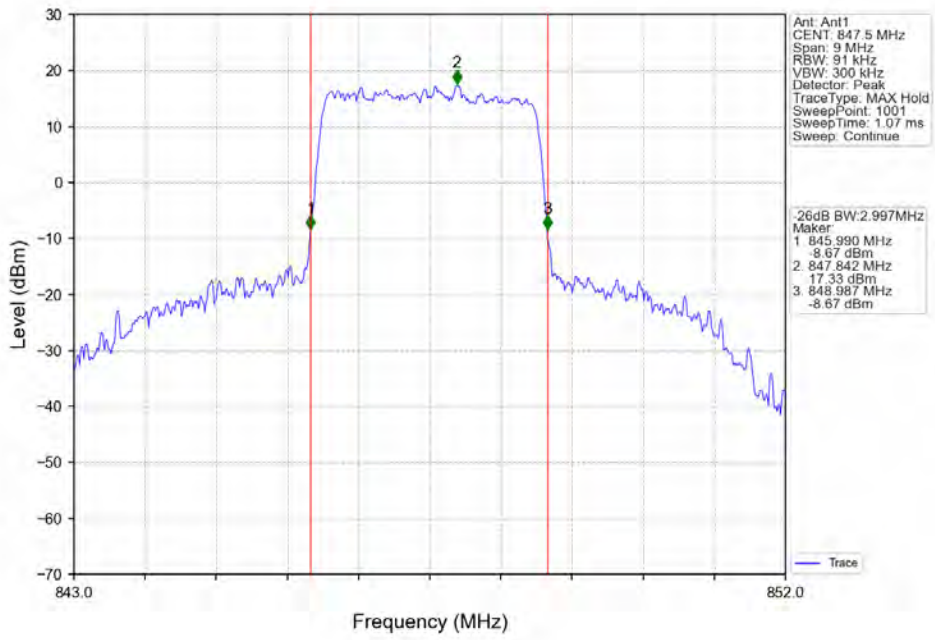
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



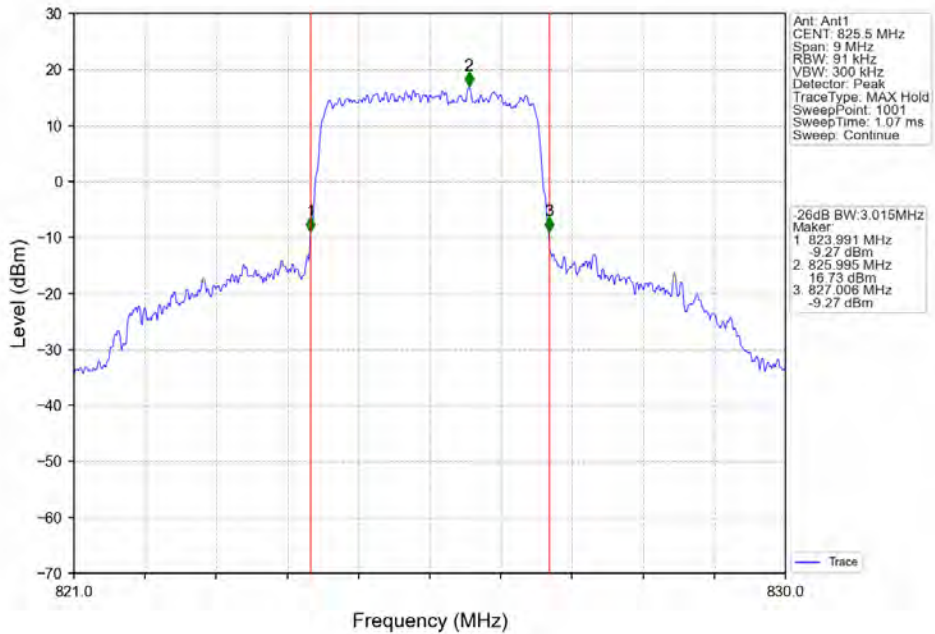
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



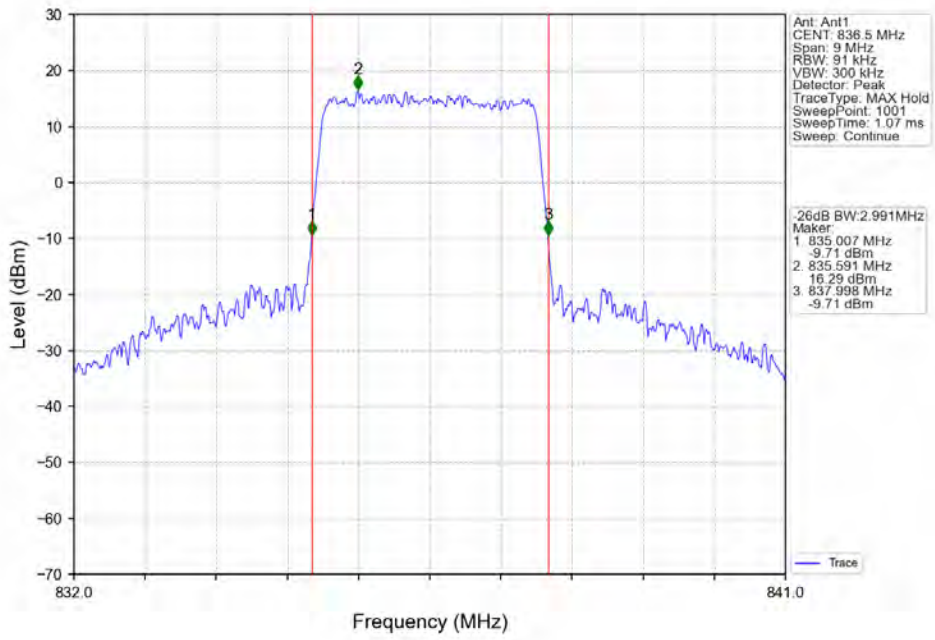
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



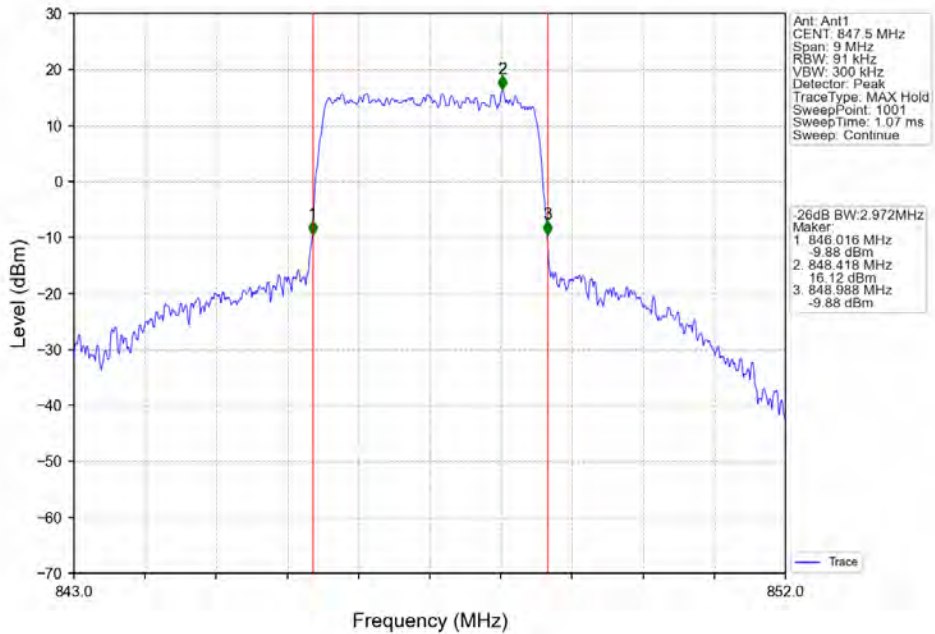
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



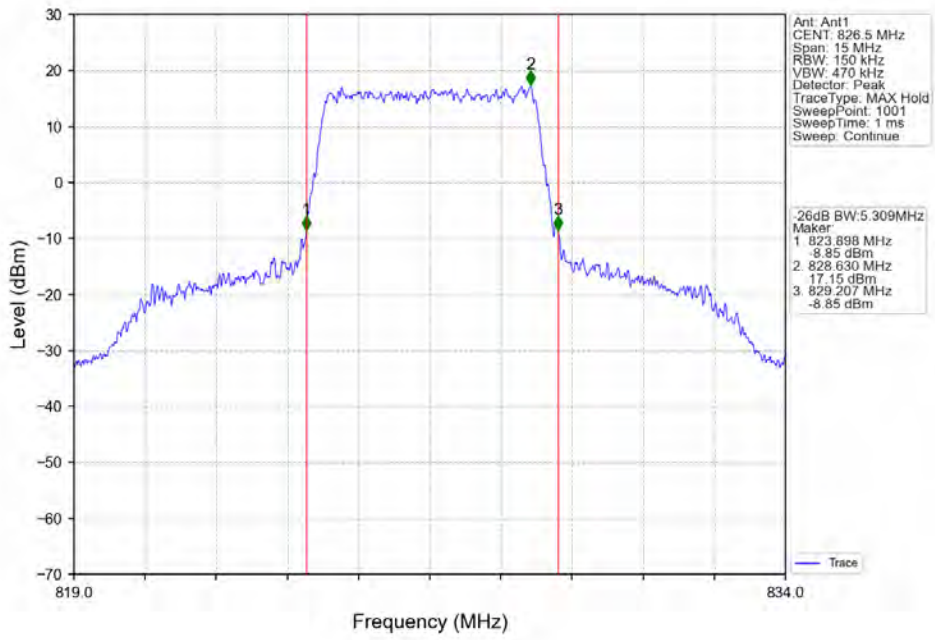
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



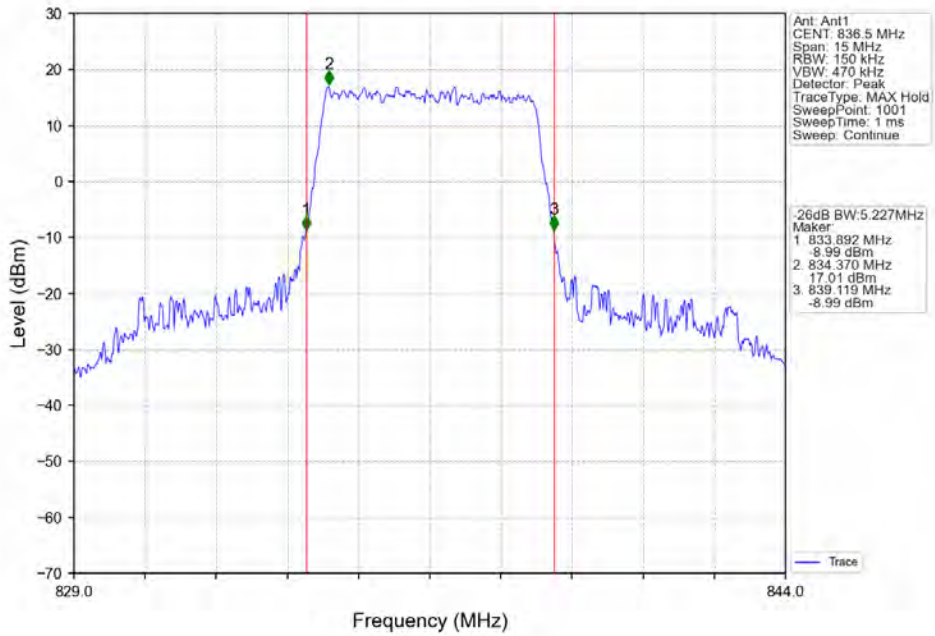
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



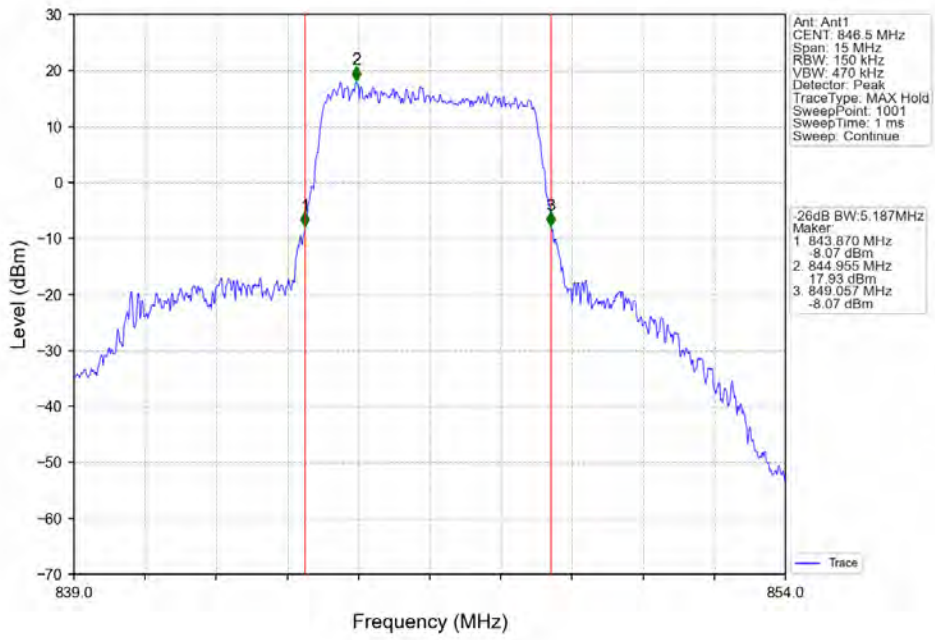
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



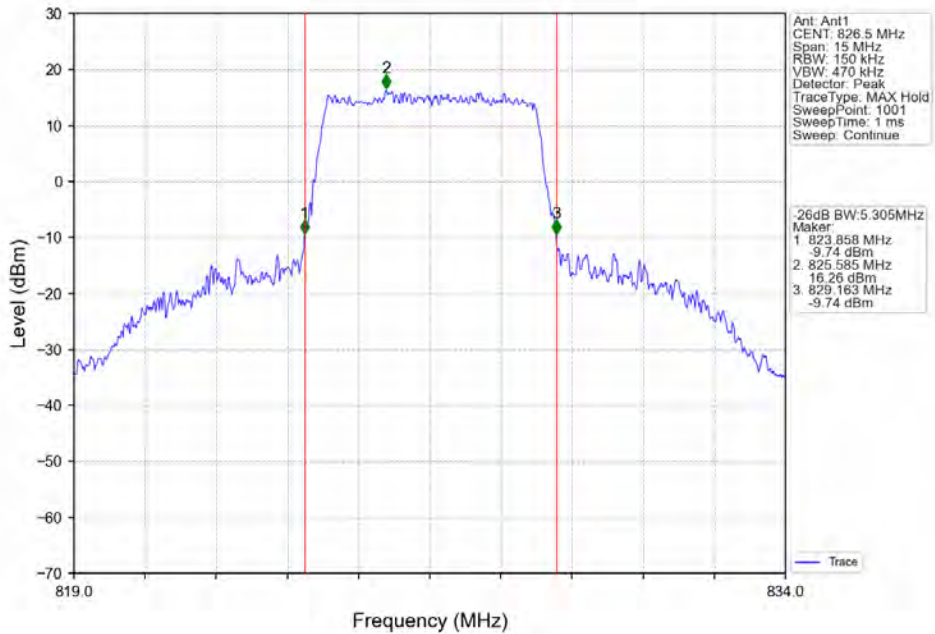
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



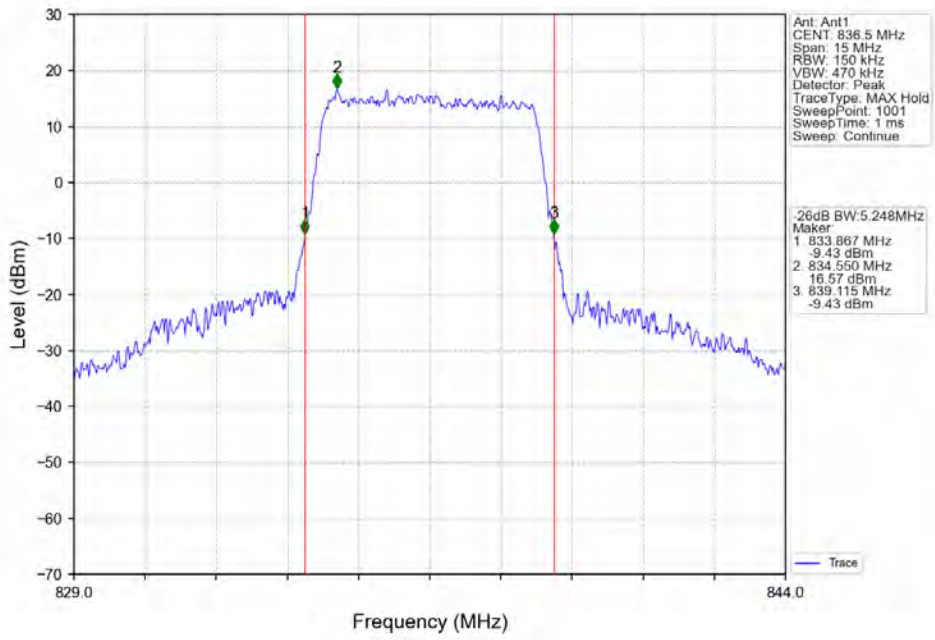
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



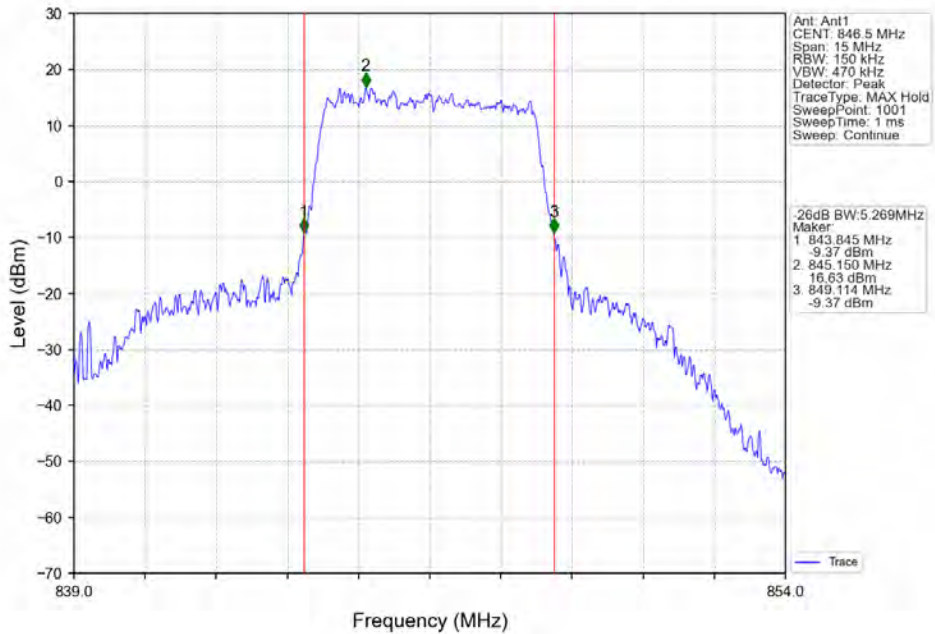
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



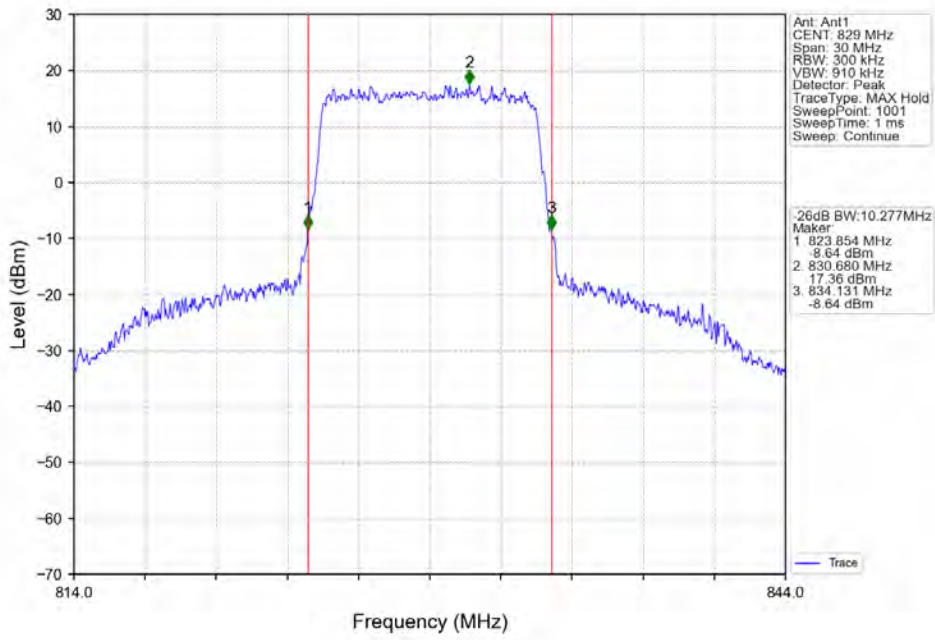
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



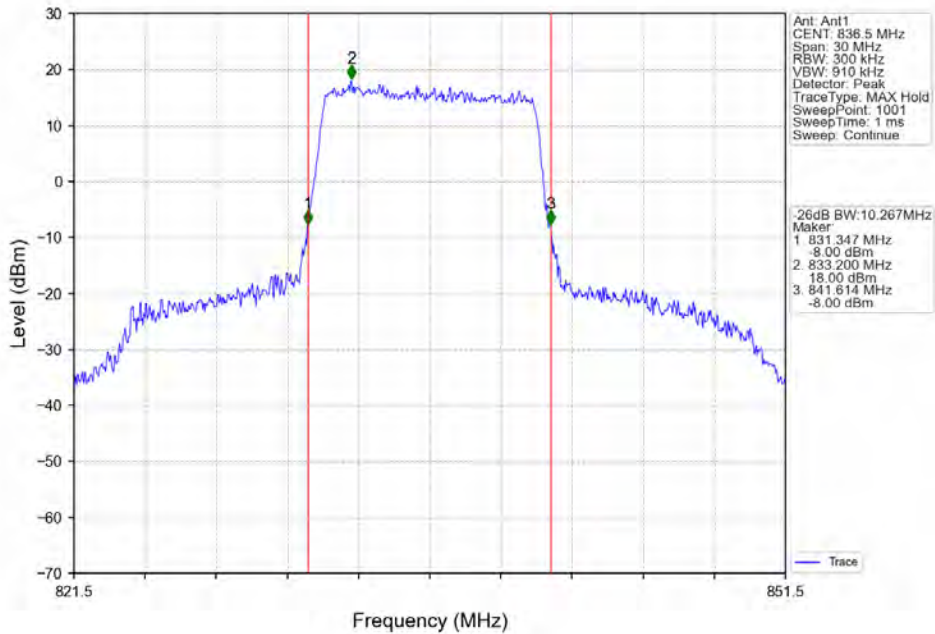
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



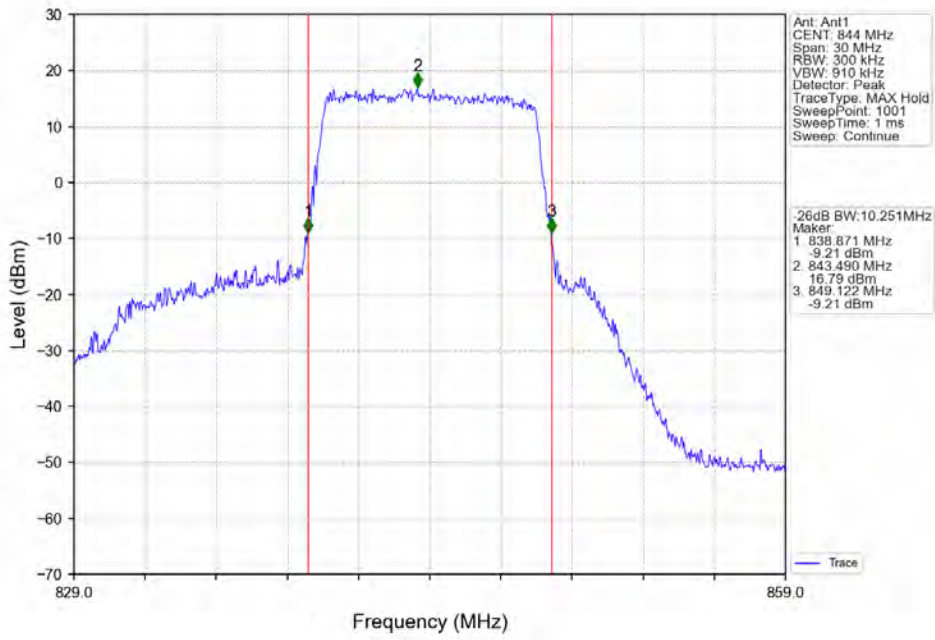
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



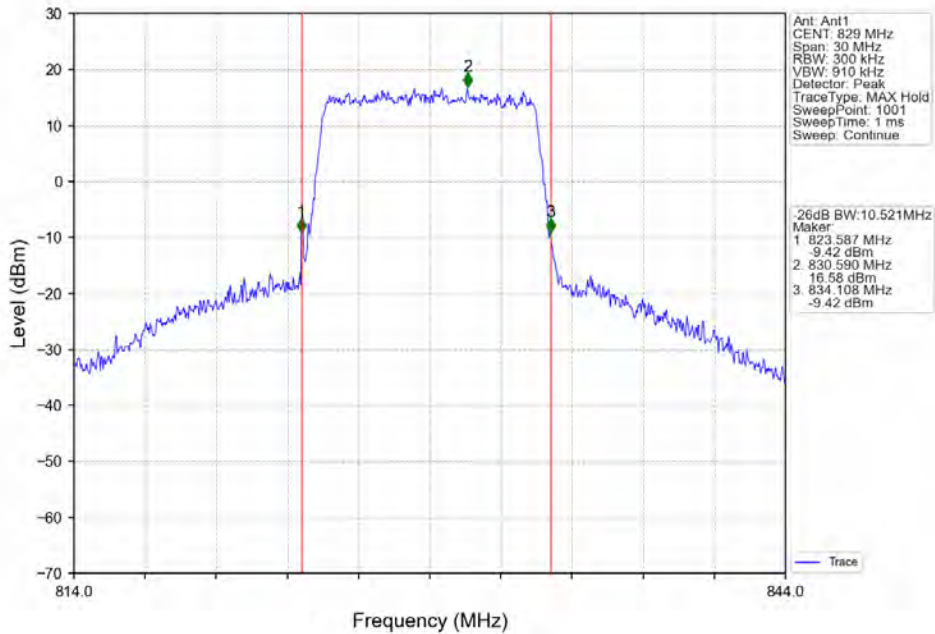
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



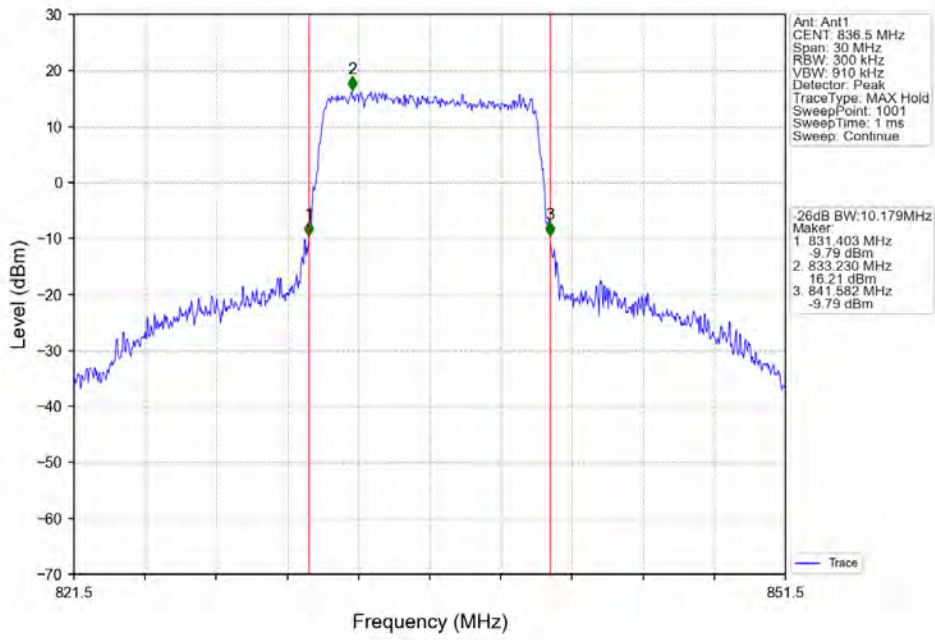
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



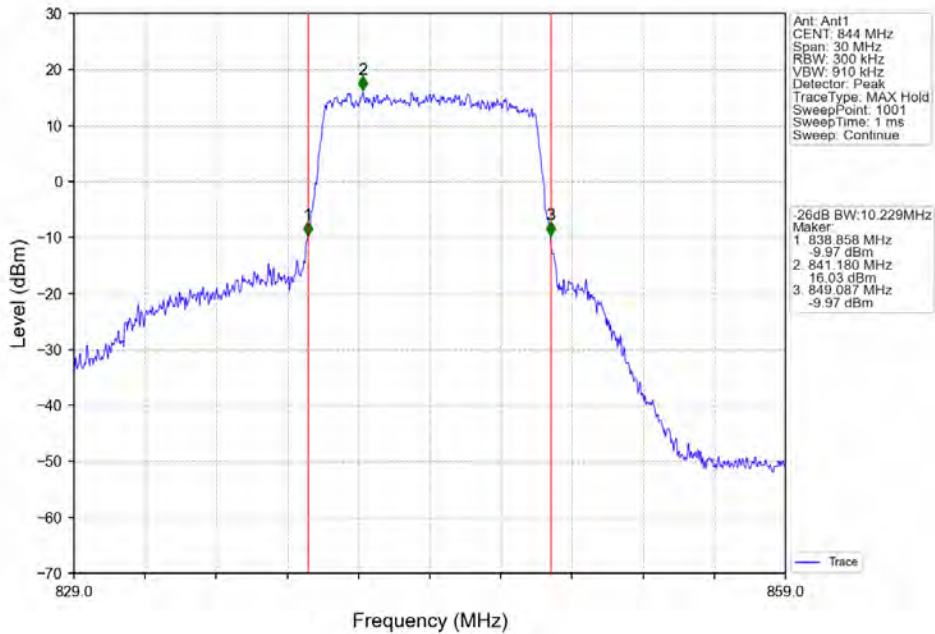
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



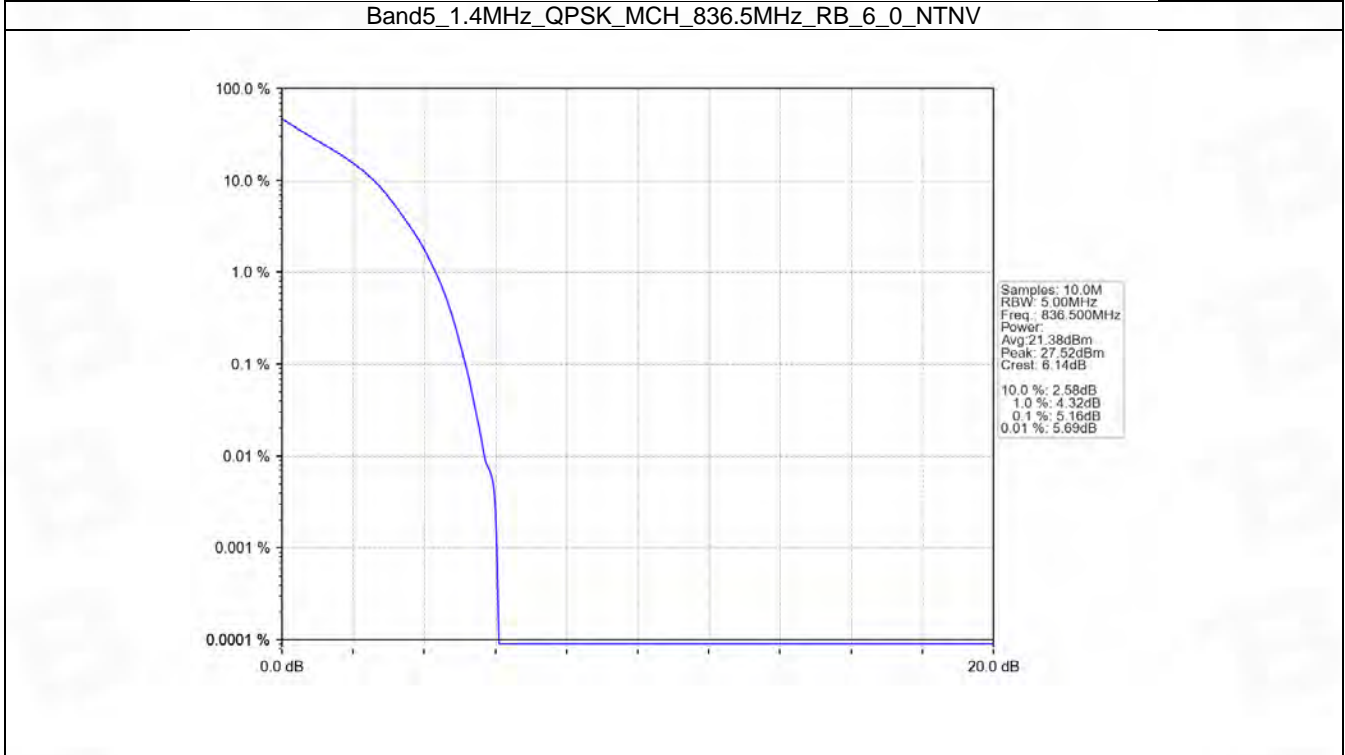
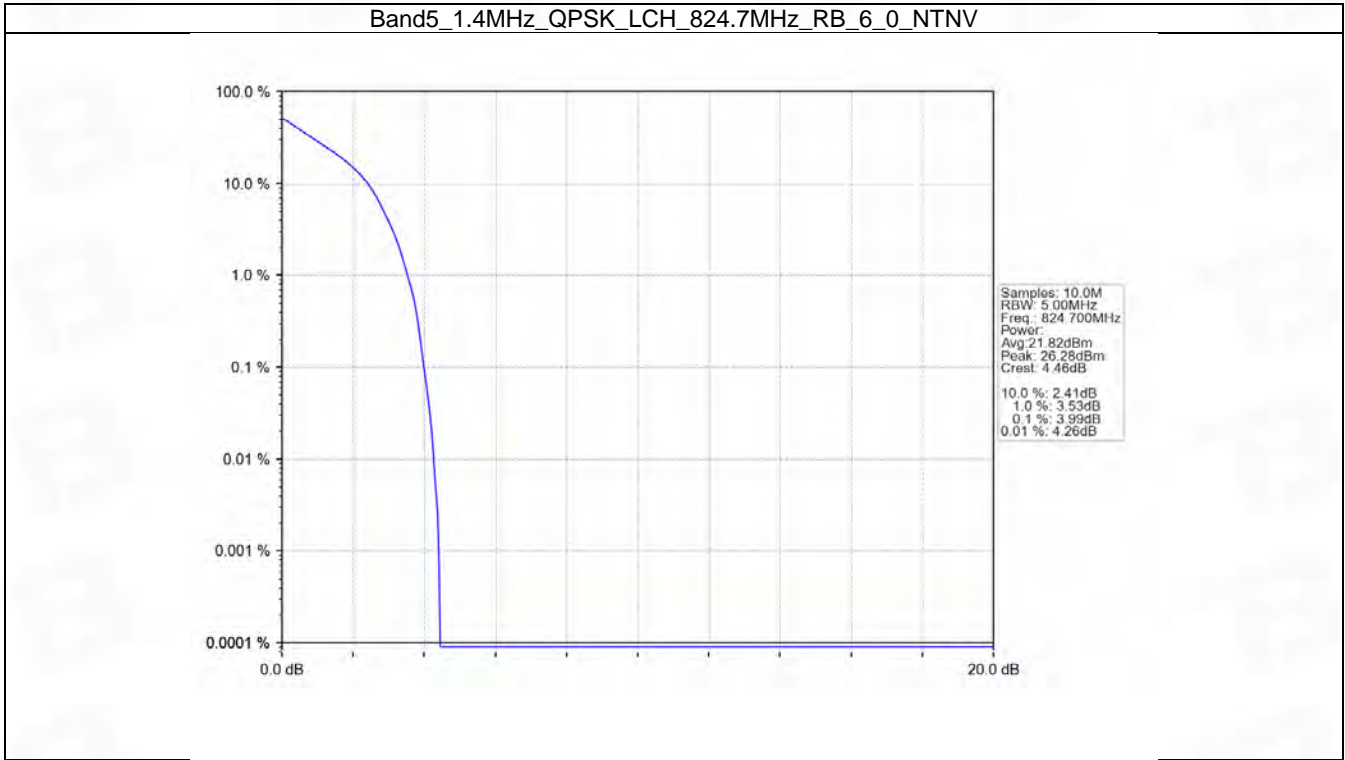
5. Peak-Average Ratio

5.1 B5_1.4MHz

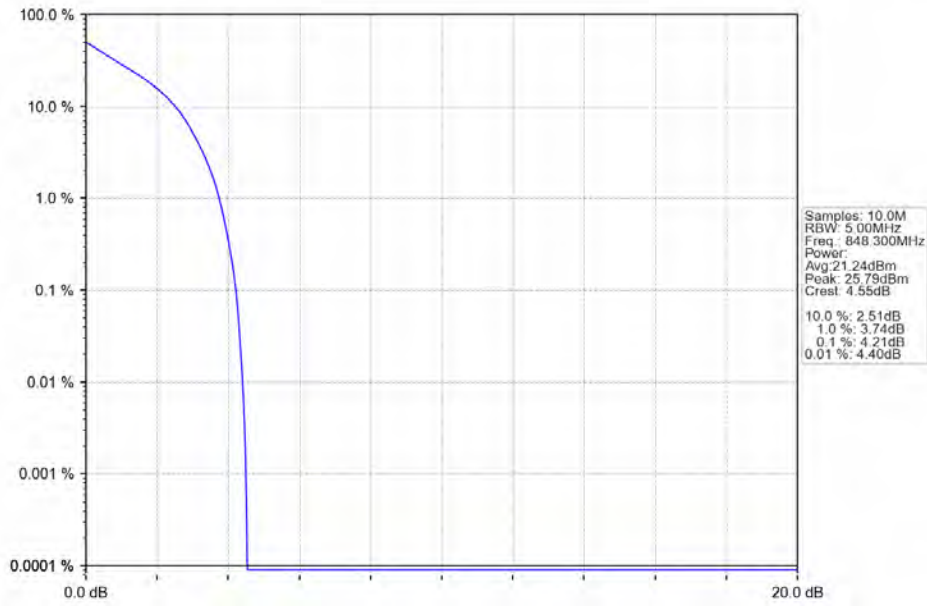
5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	3.99	<=13	Pass
	836.5	6	0	5.16	<=13	Pass
	848.3	6	0	4.21	<=13	Pass
16QAM	824.7	6	0	4.90	<=13	Pass
	836.5	6	0	5.94	<=13	Pass
	848.3	6	0	5.14	<=13	Pass

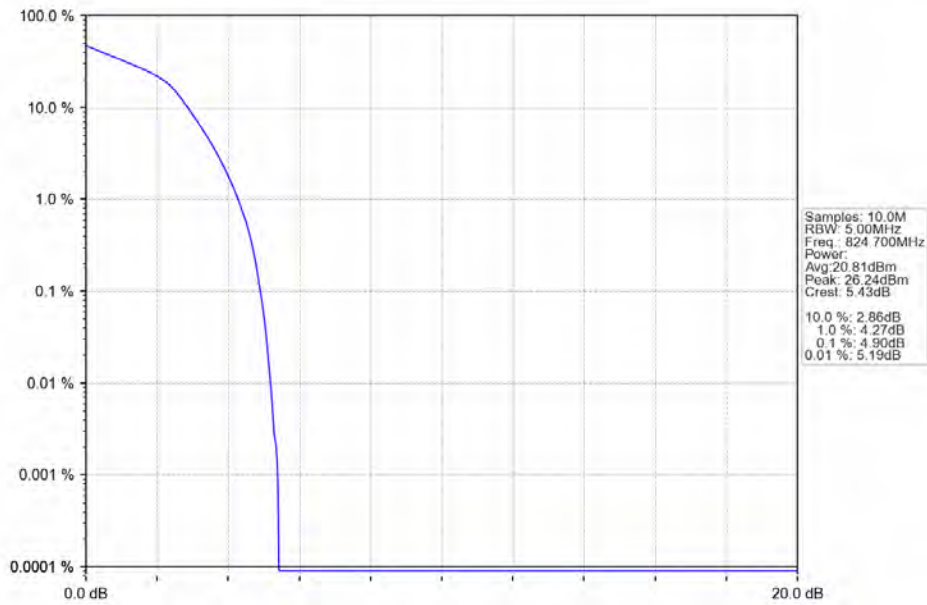
5.1.2 Test Graph



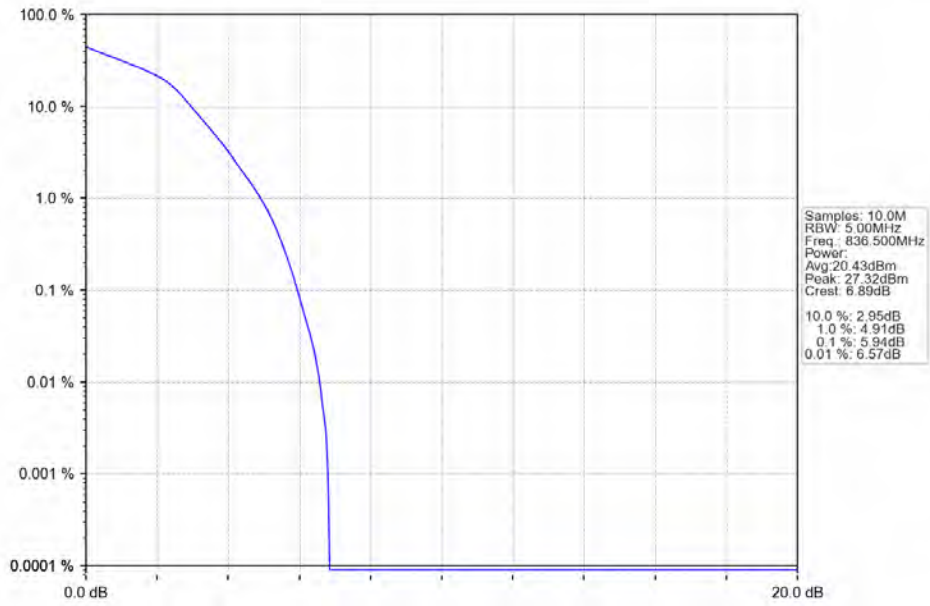
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



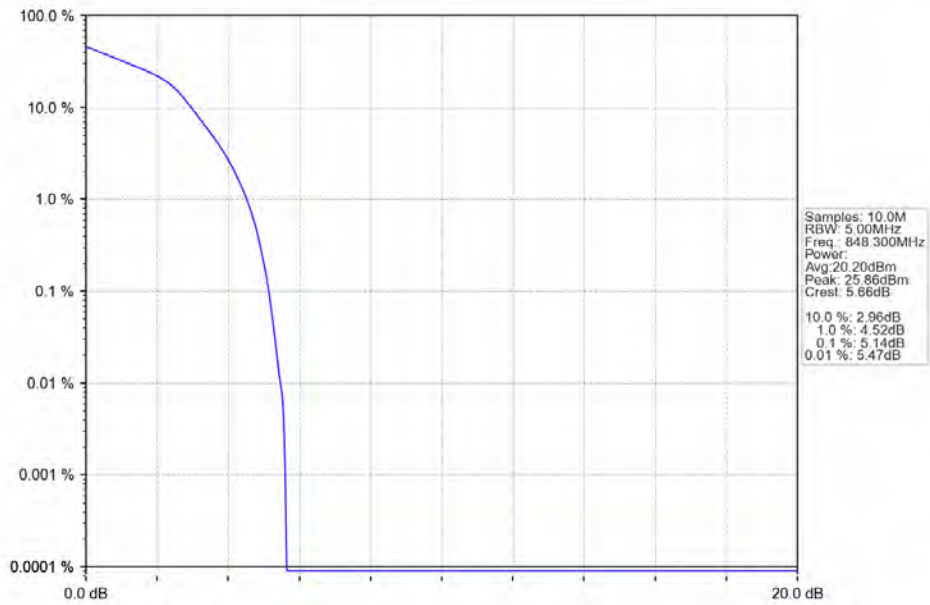
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

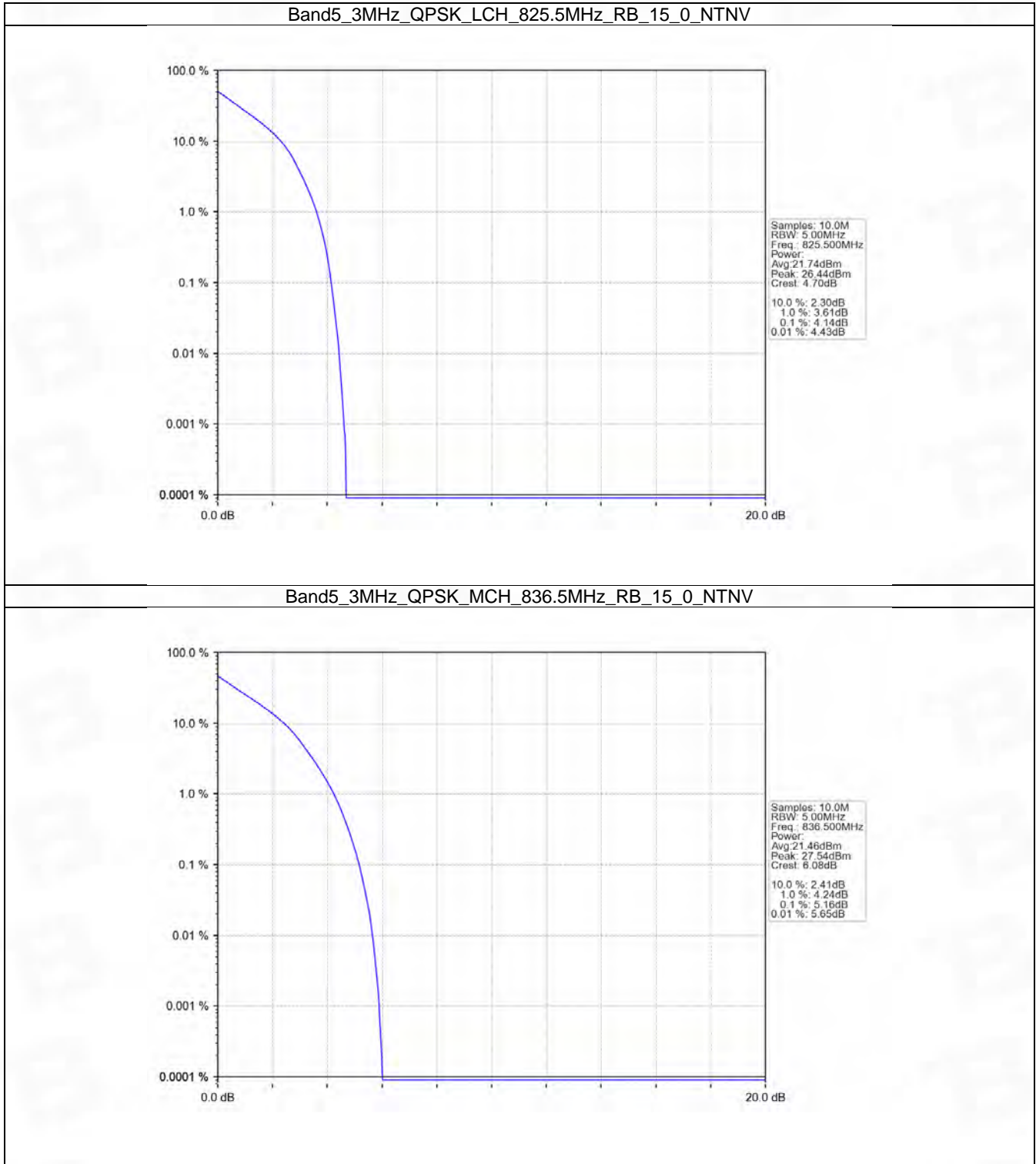


5.2 B5_3MHz

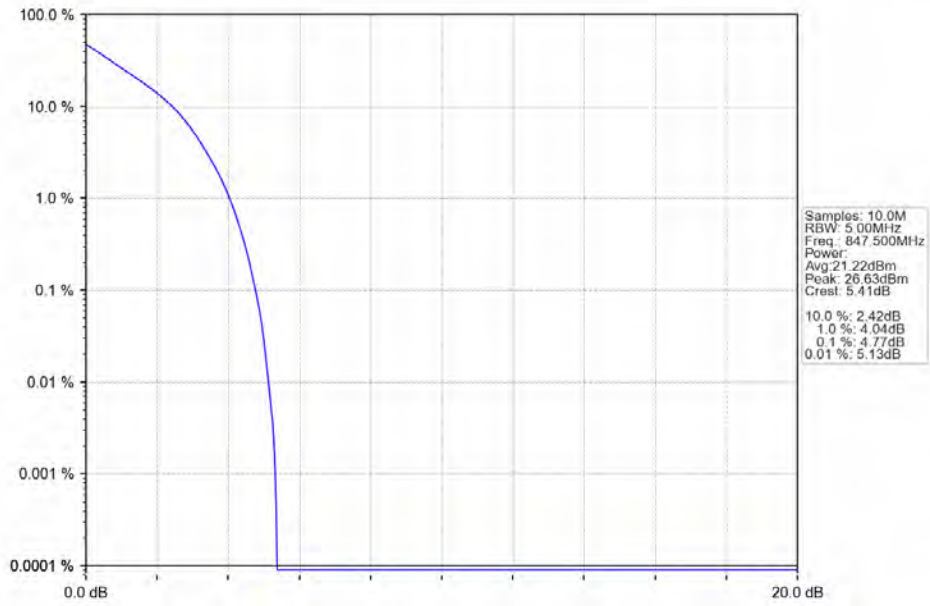
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	4.14	<=13	Pass
	836.5	15	0	5.16	<=13	Pass
	847.5	15	0	4.77	<=13	Pass
16QAM	825.5	15	0	4.99	<=13	Pass
	836.5	15	0	6.02	<=13	Pass
	847.5	15	0	5.67	<=13	Pass

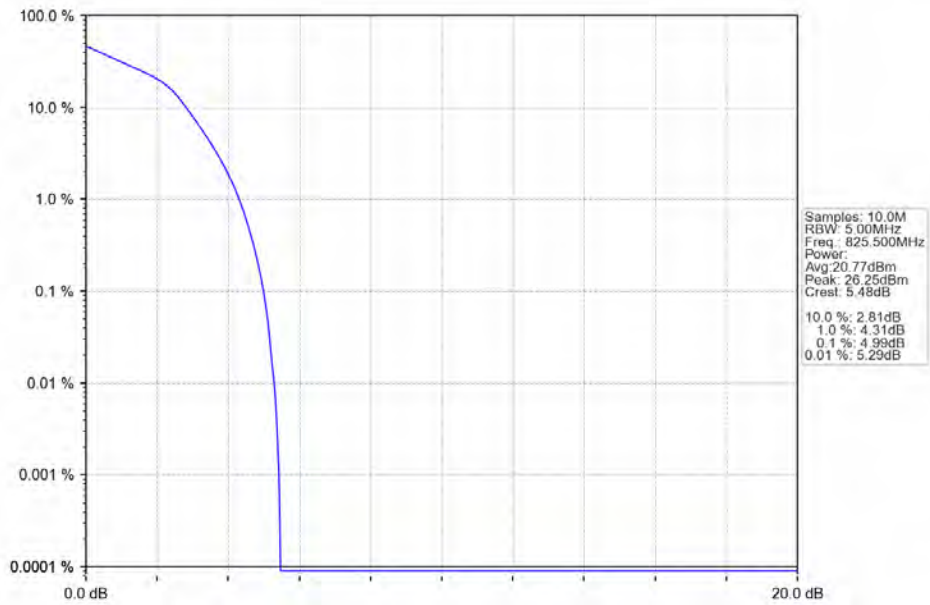
5.2.2 Test Graph



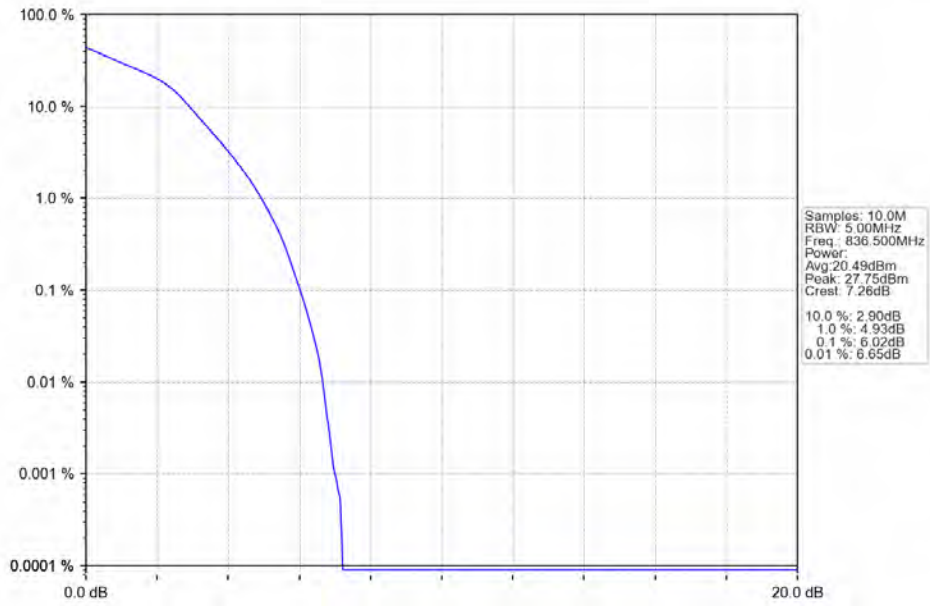
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



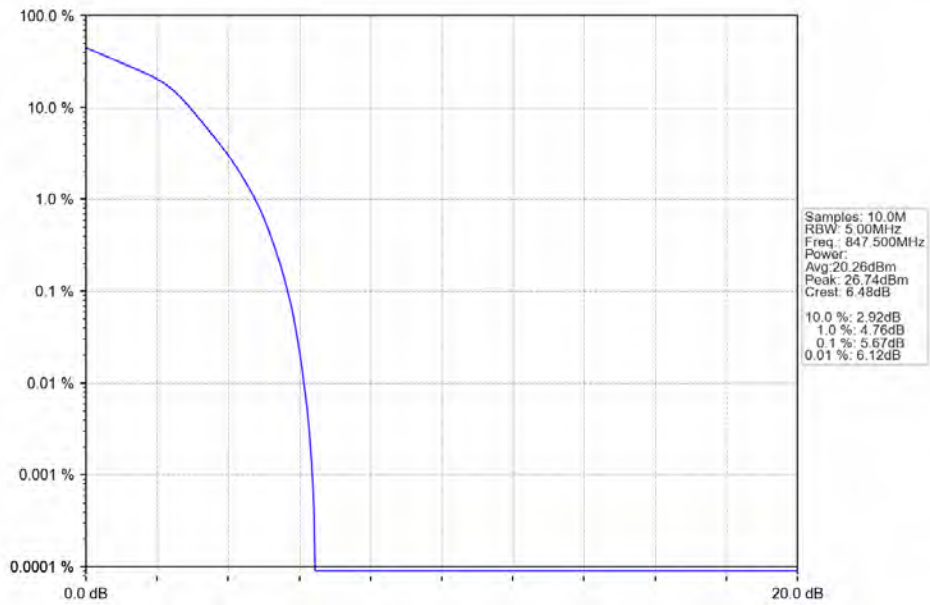
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

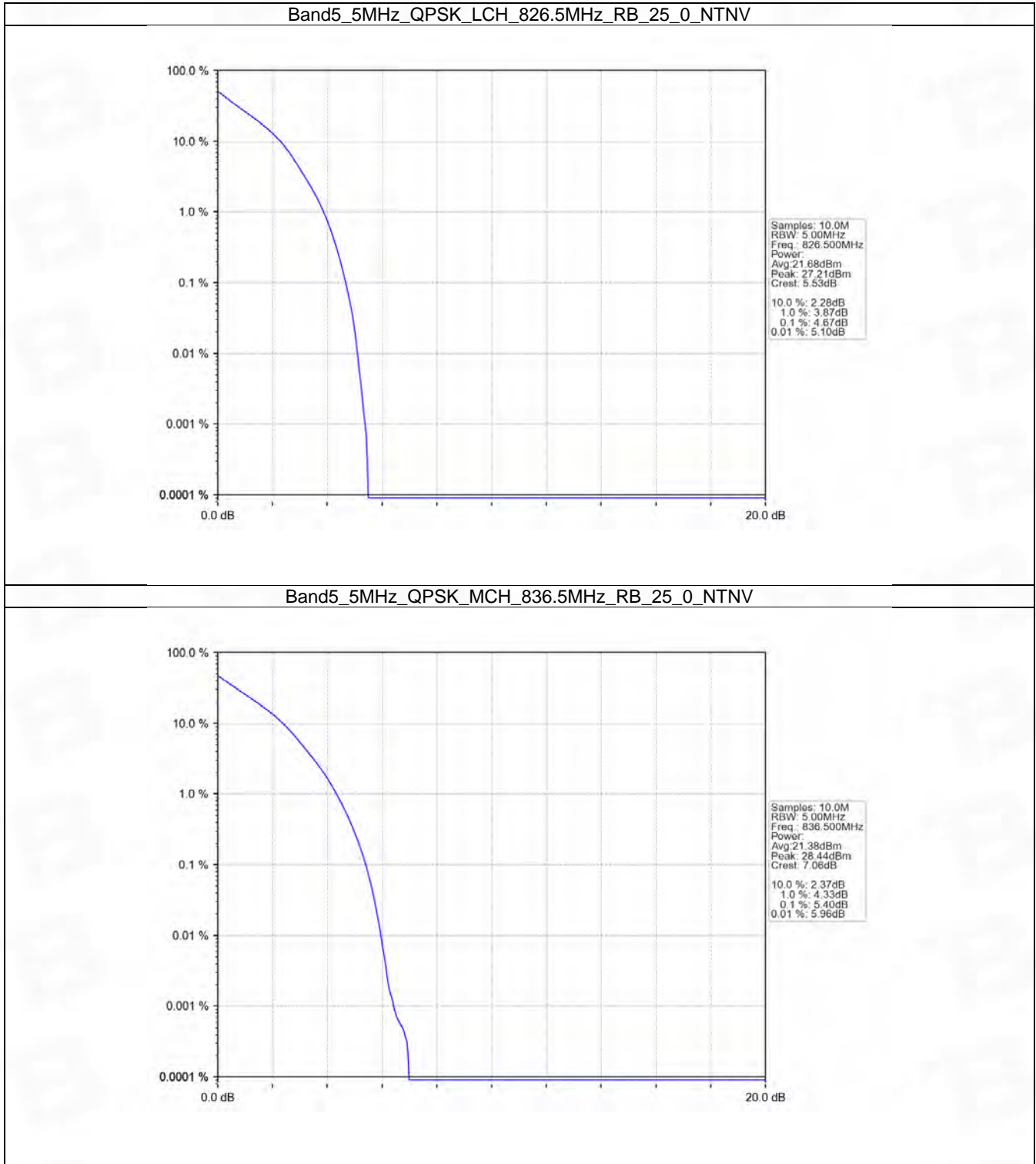


5.3 B5_5MHz

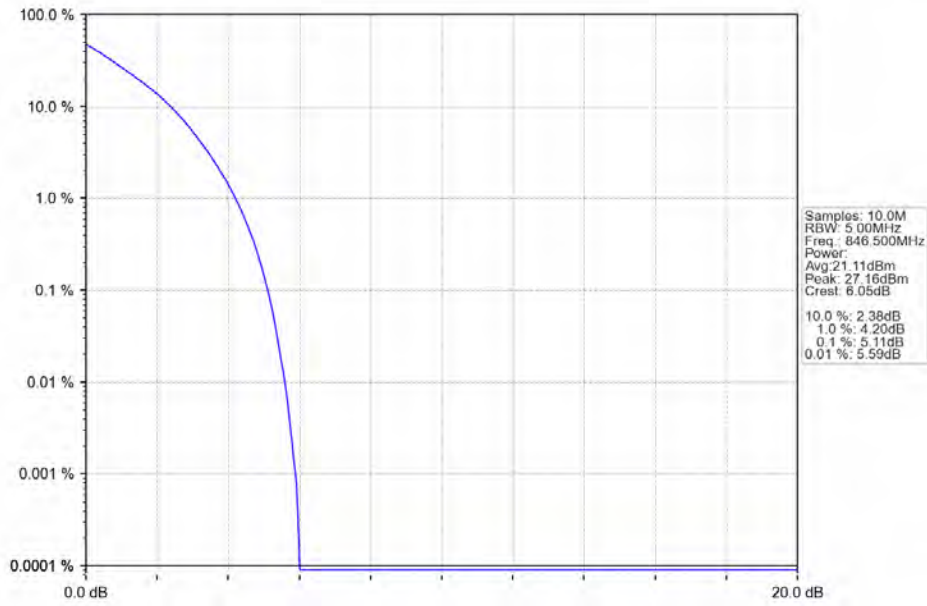
5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	4.67	<=13	Pass
	836.5	25	0	5.40	<=13	Pass
	846.5	25	0	5.11	<=13	Pass
16QAM	826.5	25	0	5.39	<=13	Pass
	836.5	25	0	6.11	<=13	Pass
	846.5	25	0	5.86	<=13	Pass

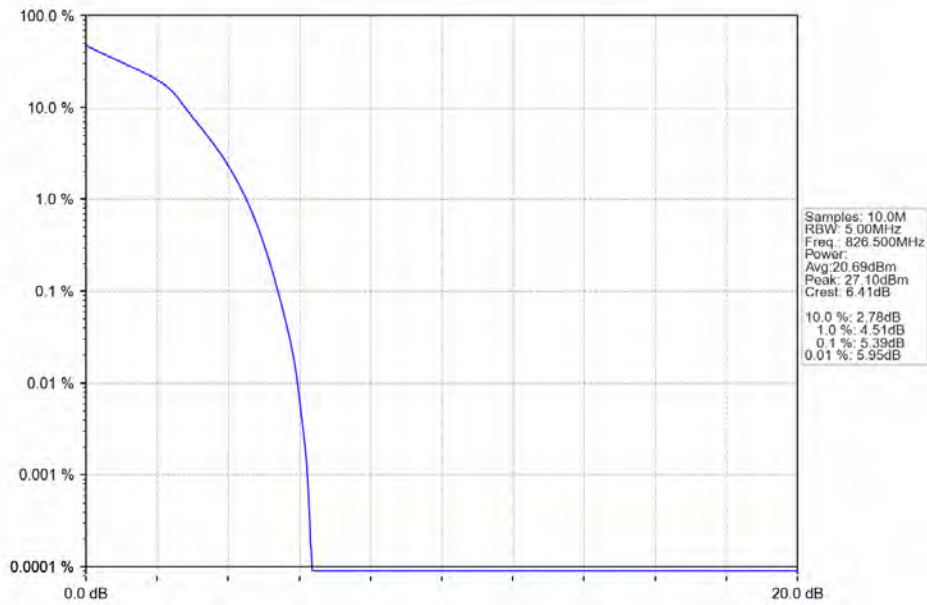
5.3.2 Test Graph



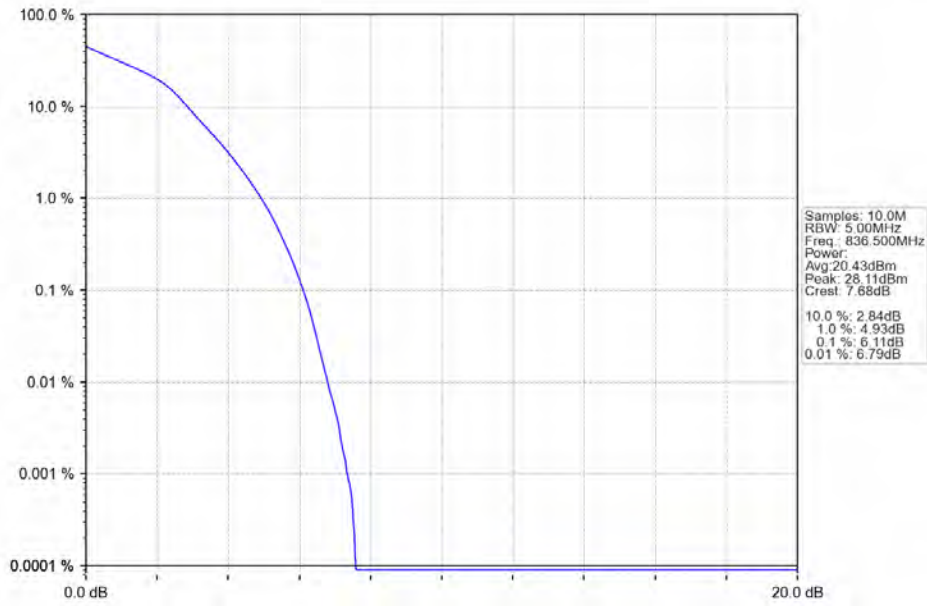
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



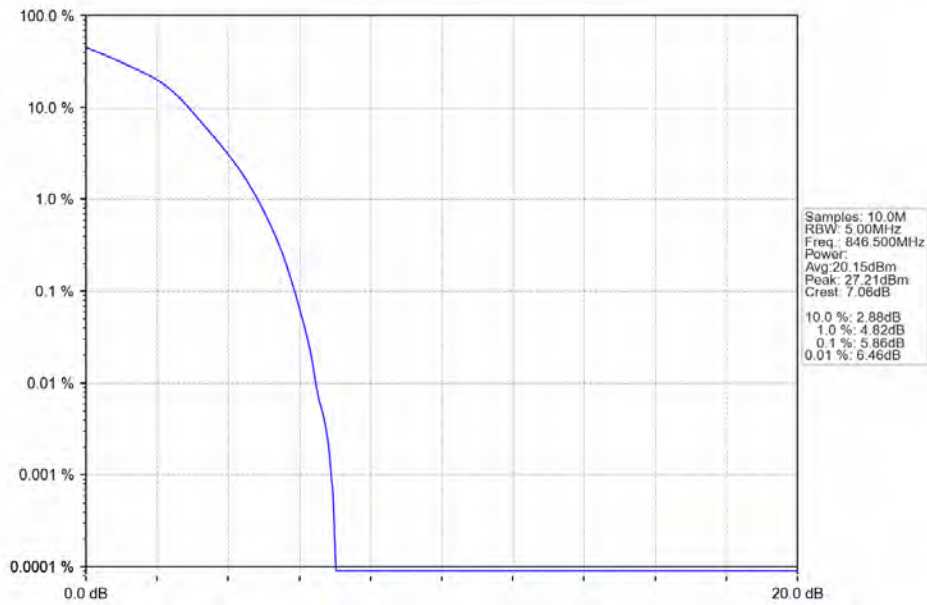
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

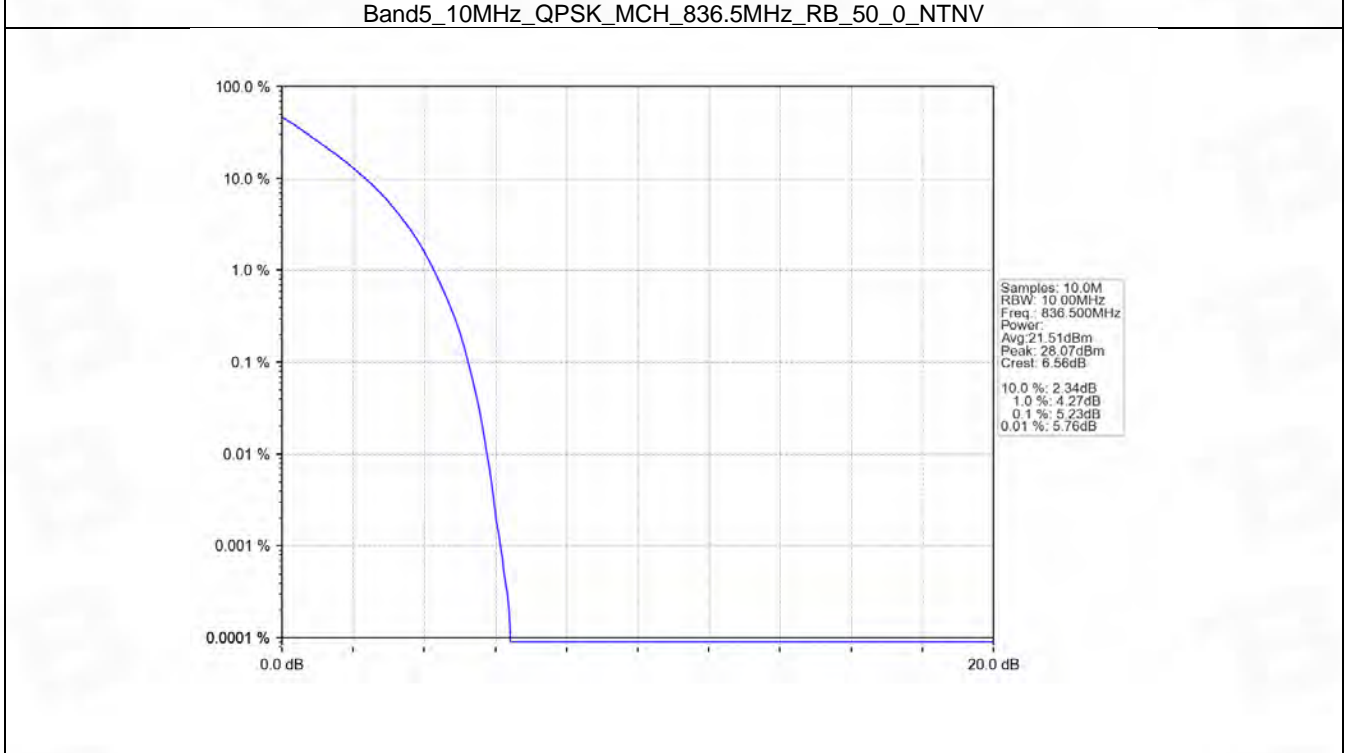


5.4 B5_10MHz

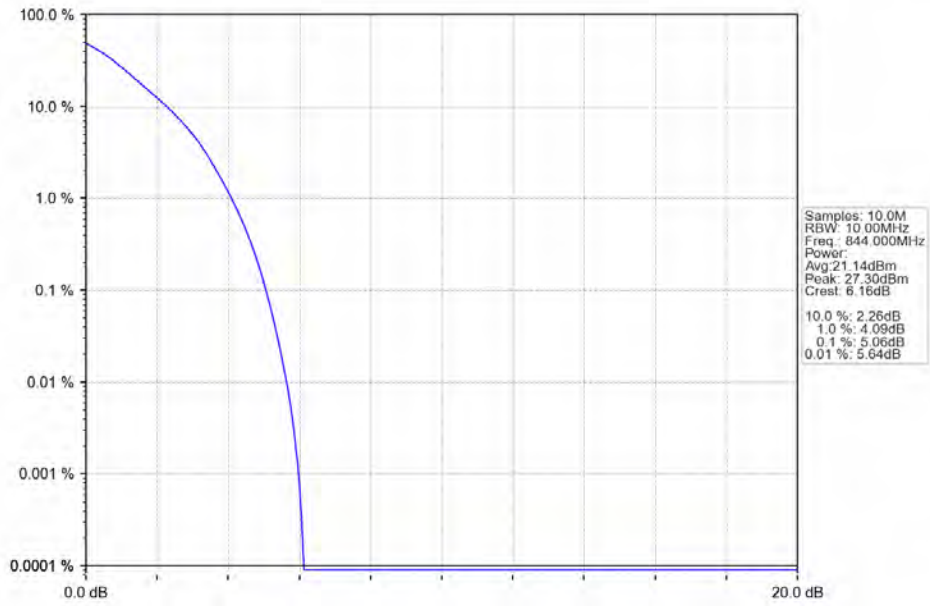
5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.05	<=13	Pass
	836.5	50	0	5.23	<=13	Pass
	844	50	0	5.06	<=13	Pass
16QAM	829	50	0	5.80	<=13	Pass
	836.5	50	0	6.03	<=13	Pass
	844	50	0	5.78	<=13	Pass

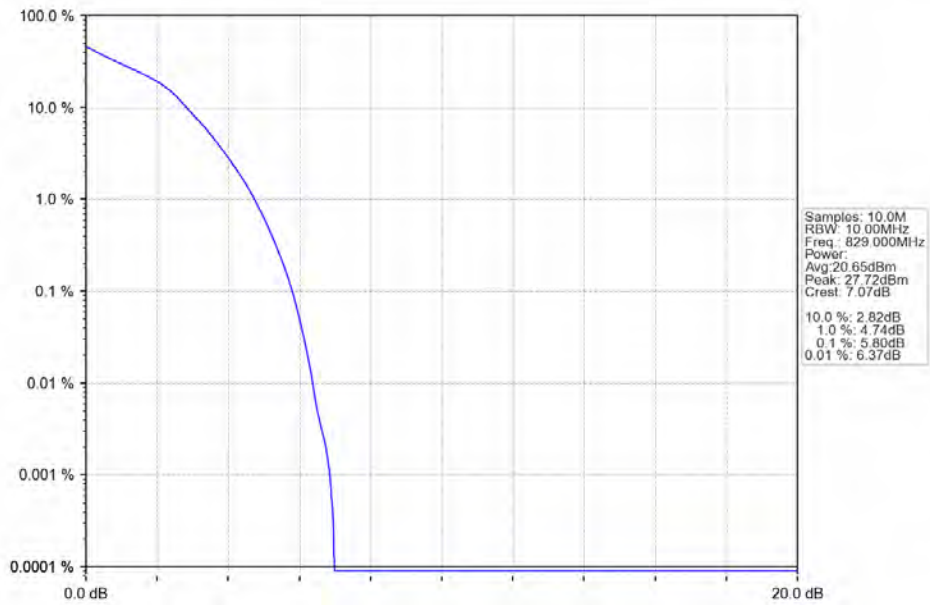
5.4.2 Test Graph



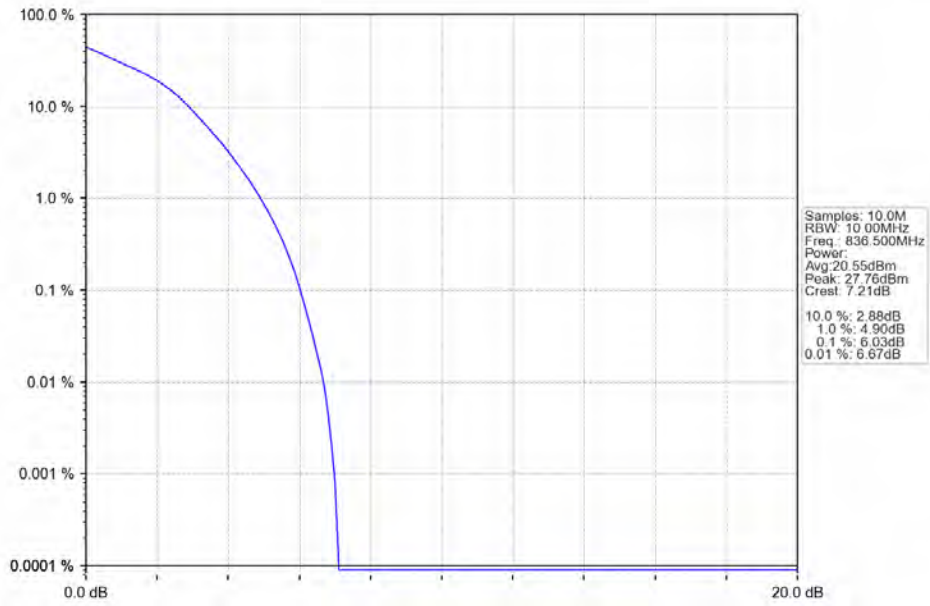
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



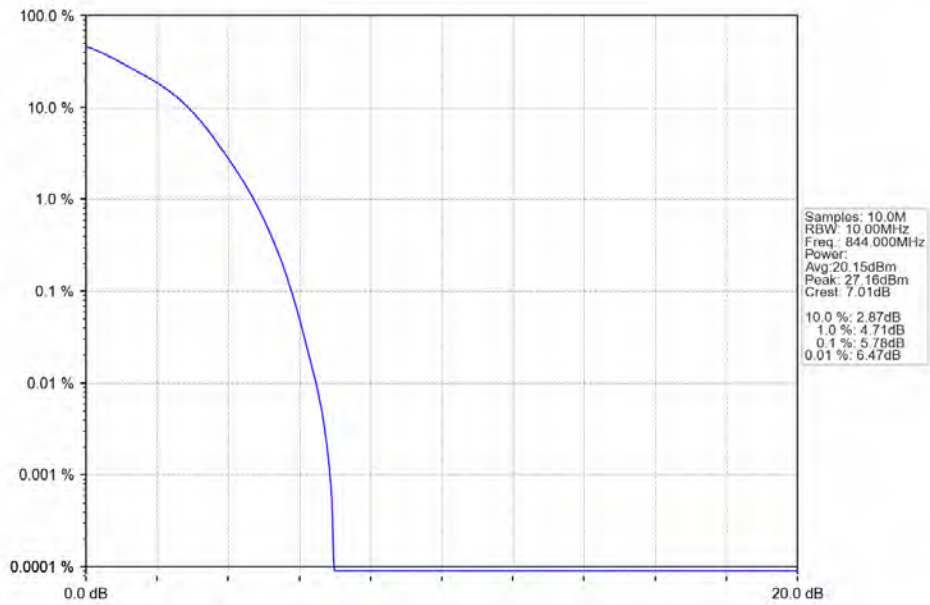
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



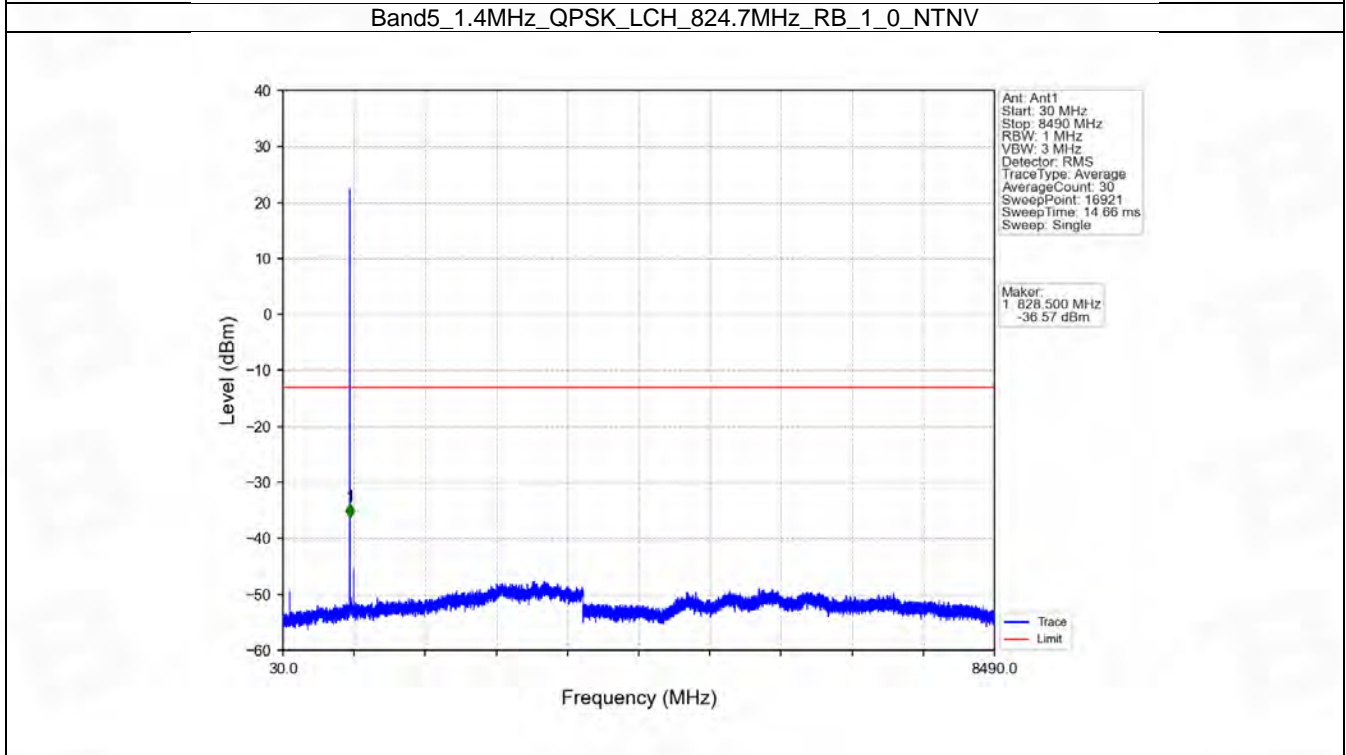
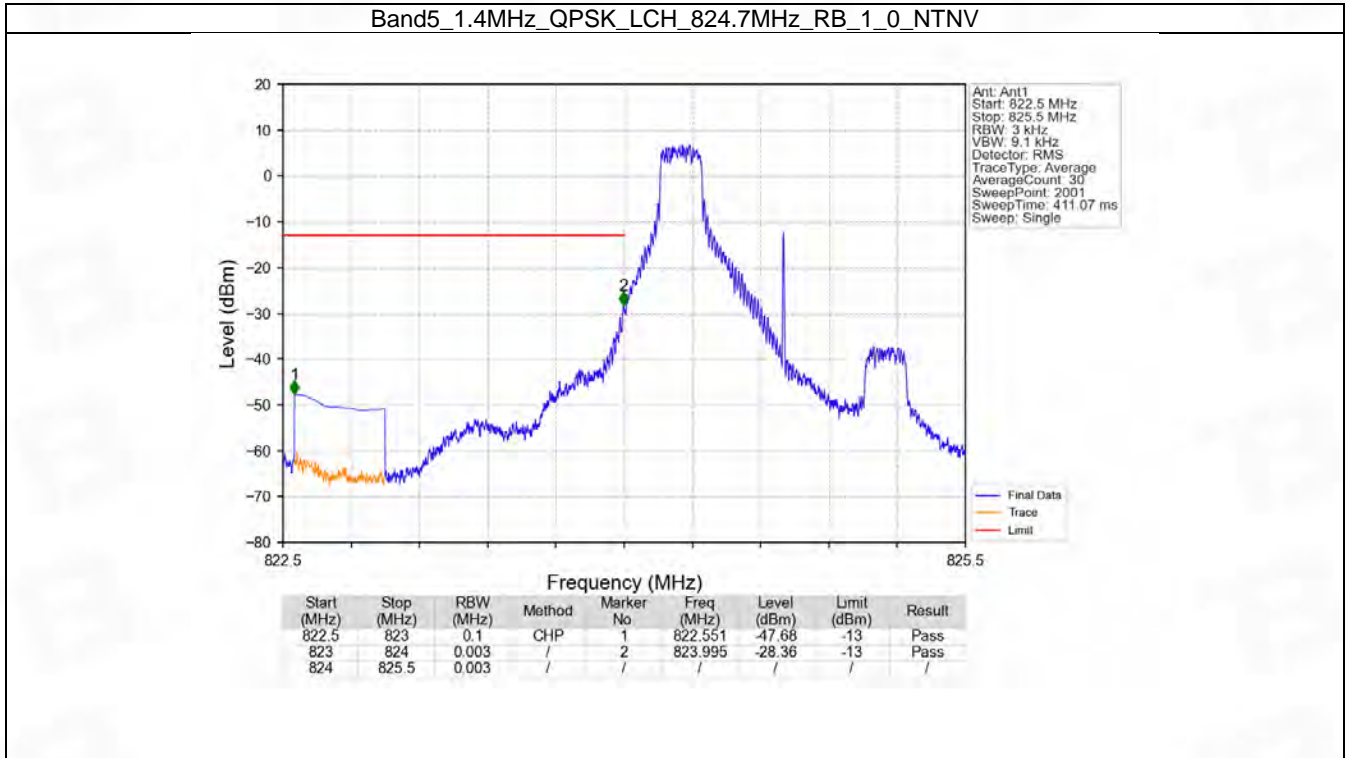
6. Spurious Emission

6.1 B5_1.4MHz

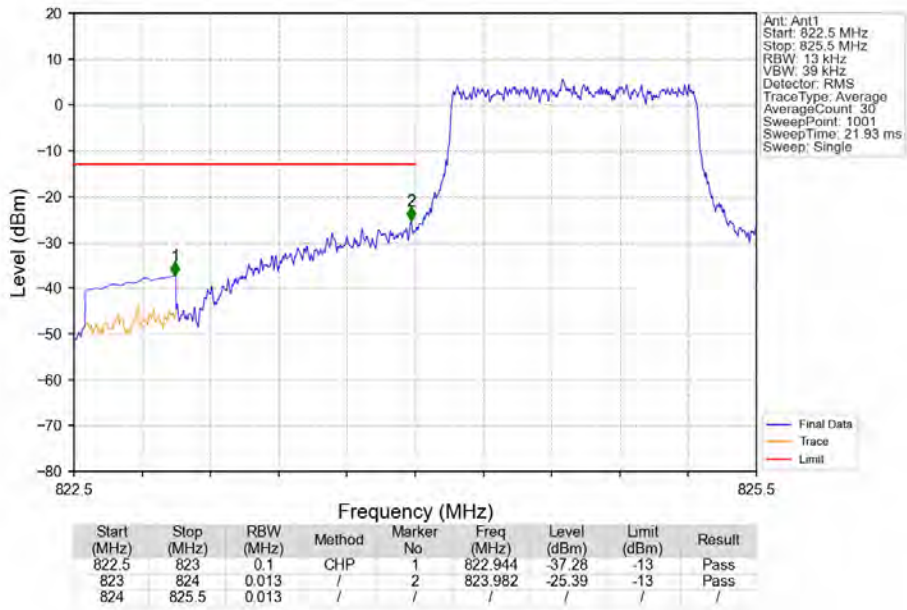
6.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

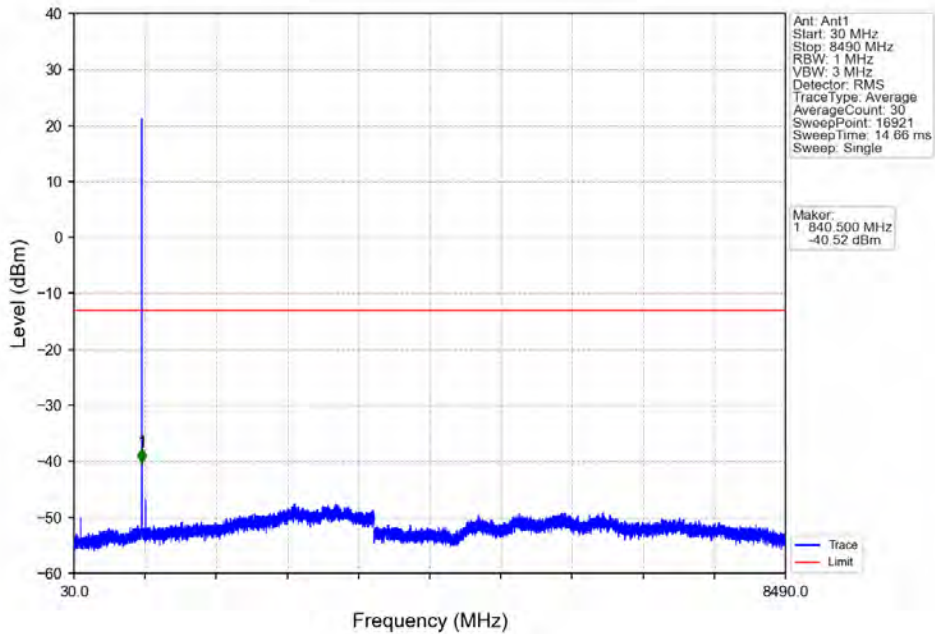
6.1.2 Test Graph



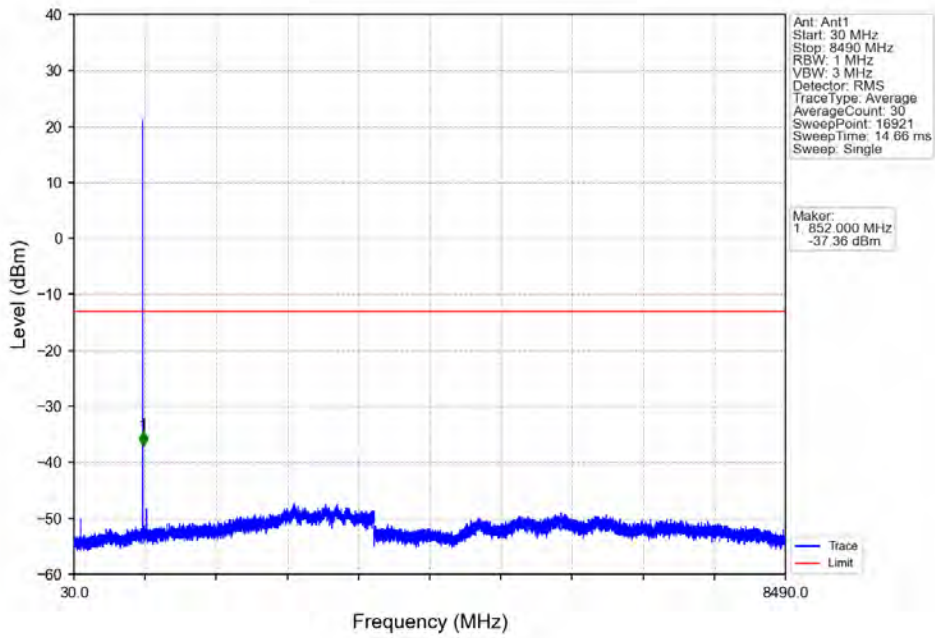
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



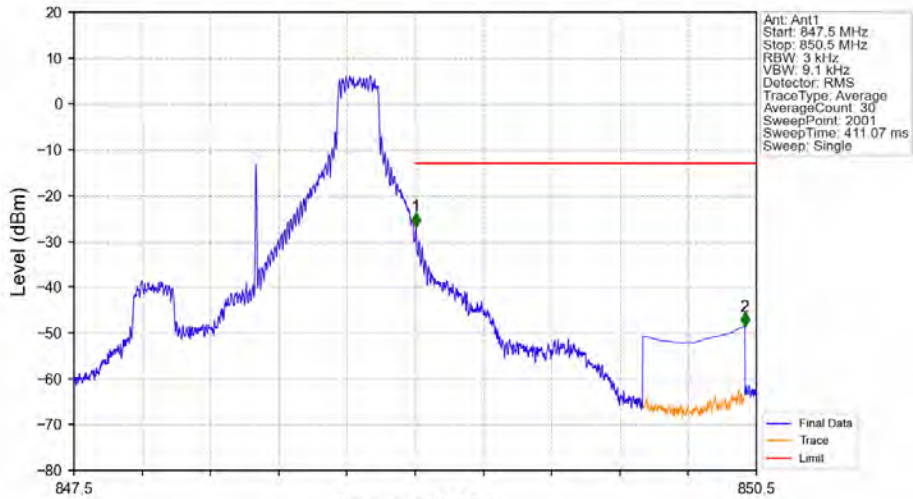
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

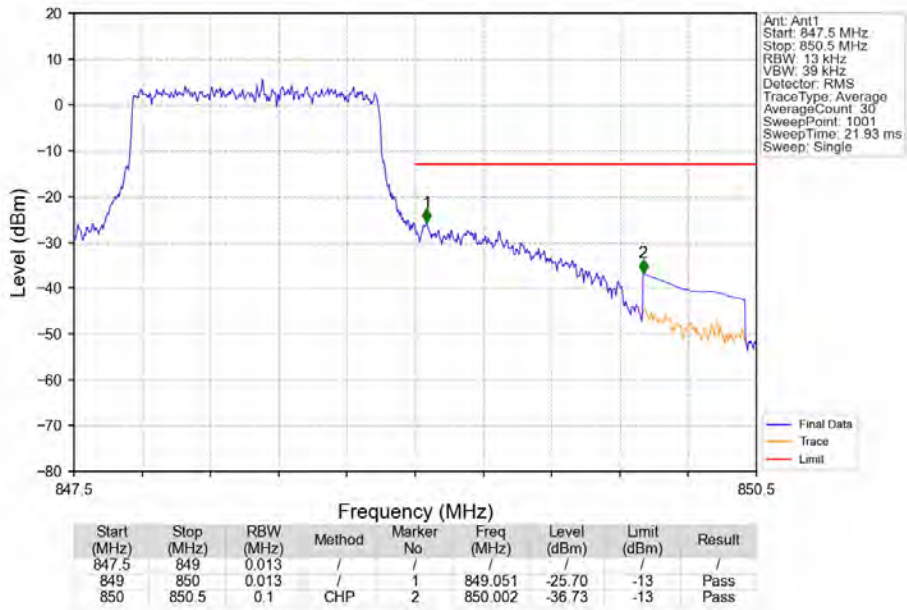


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV

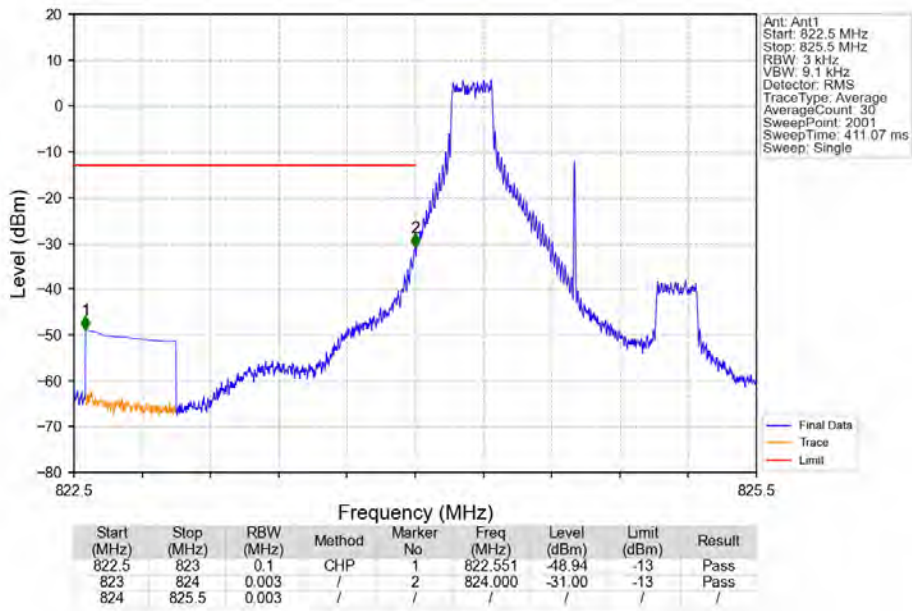


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-26.85	-13	Pass
850	850.5	0.1	CHP	2	850.449	-48.59	-13	Pass

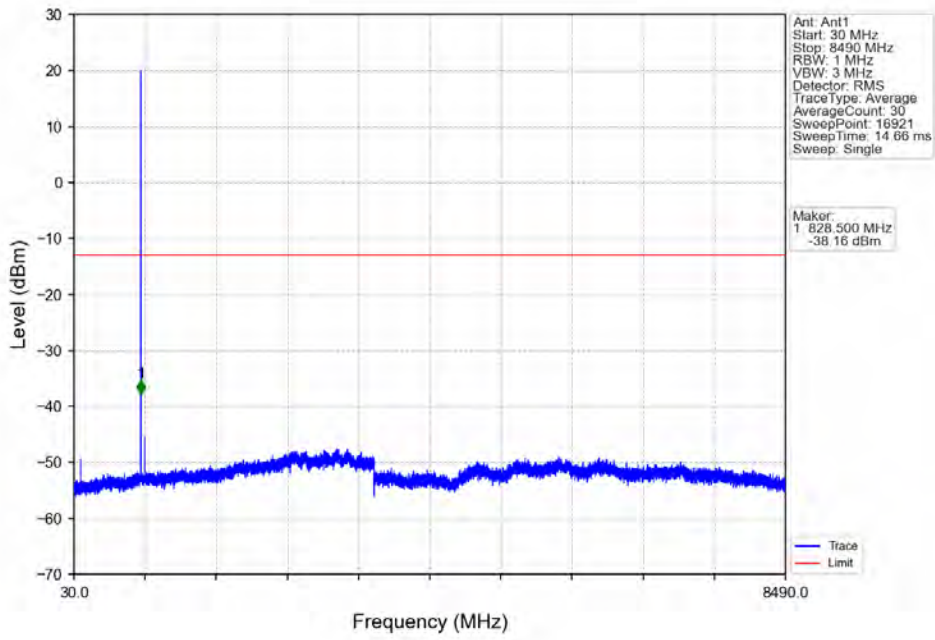
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



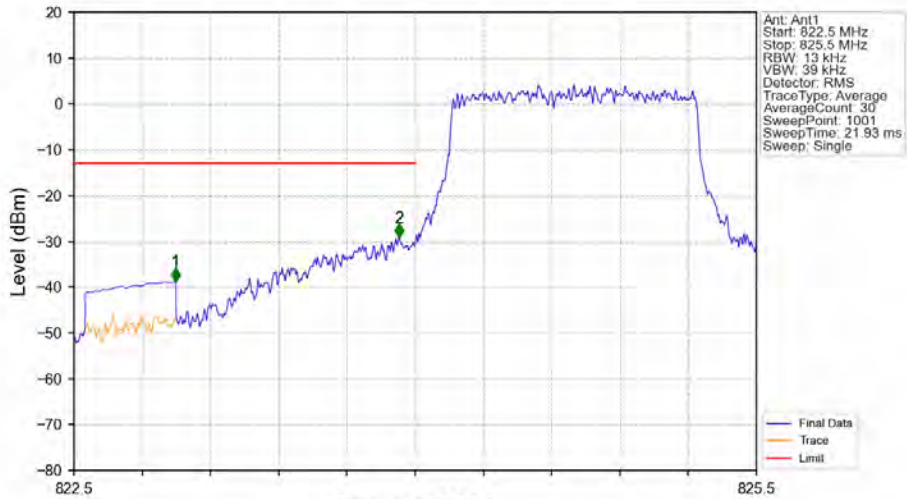
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

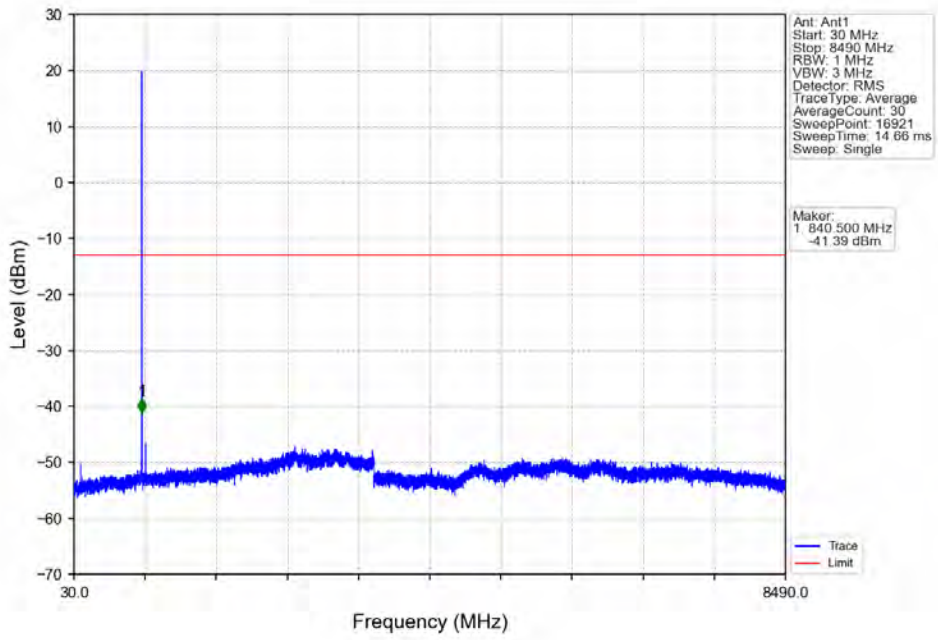


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

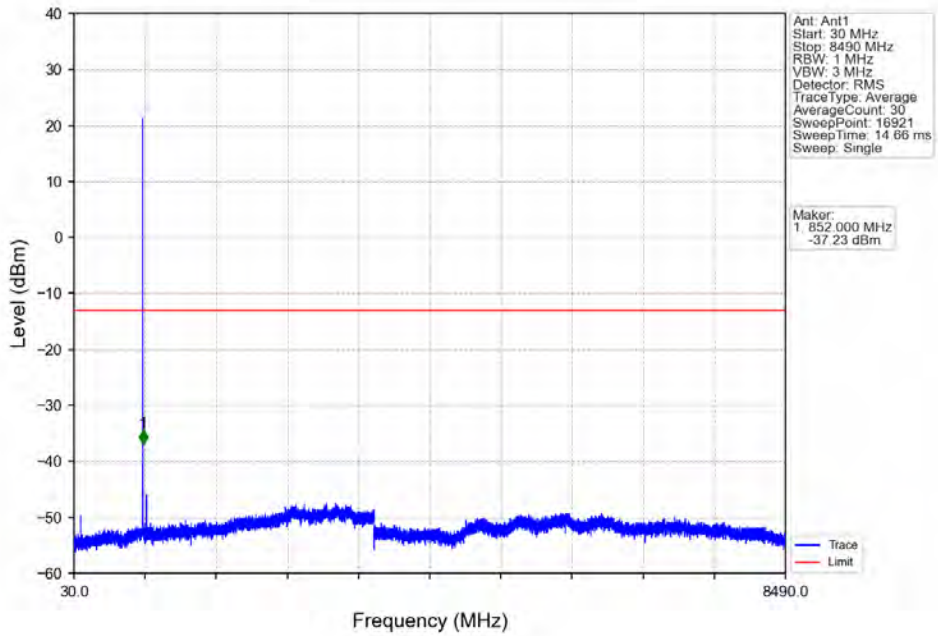


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-38.84	-13	Pass
823	824	0.013	/	2	823.928	-29.23	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

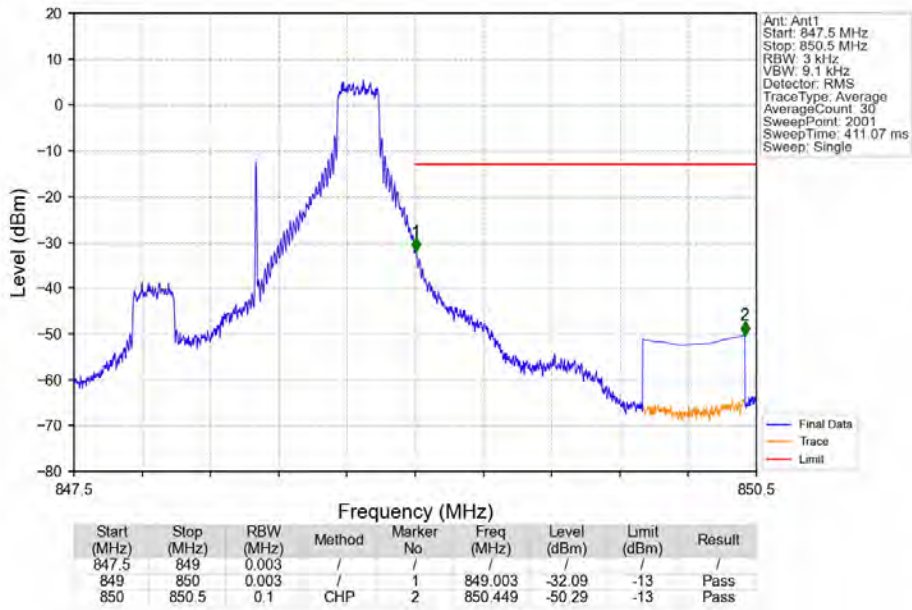
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



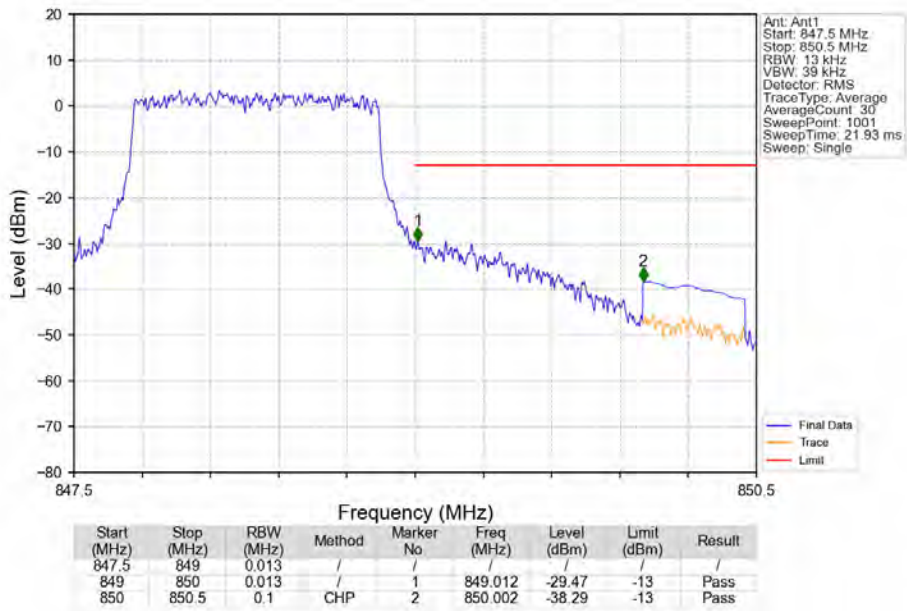
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

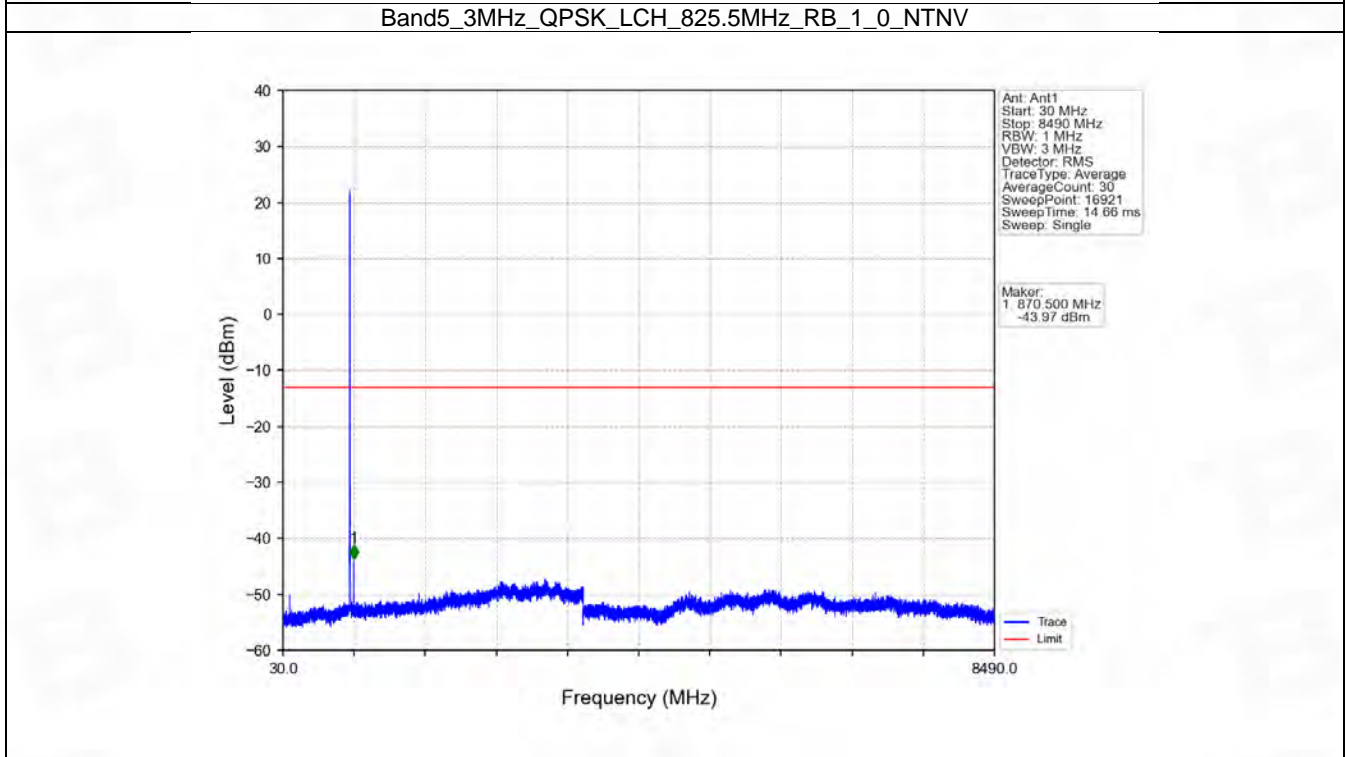
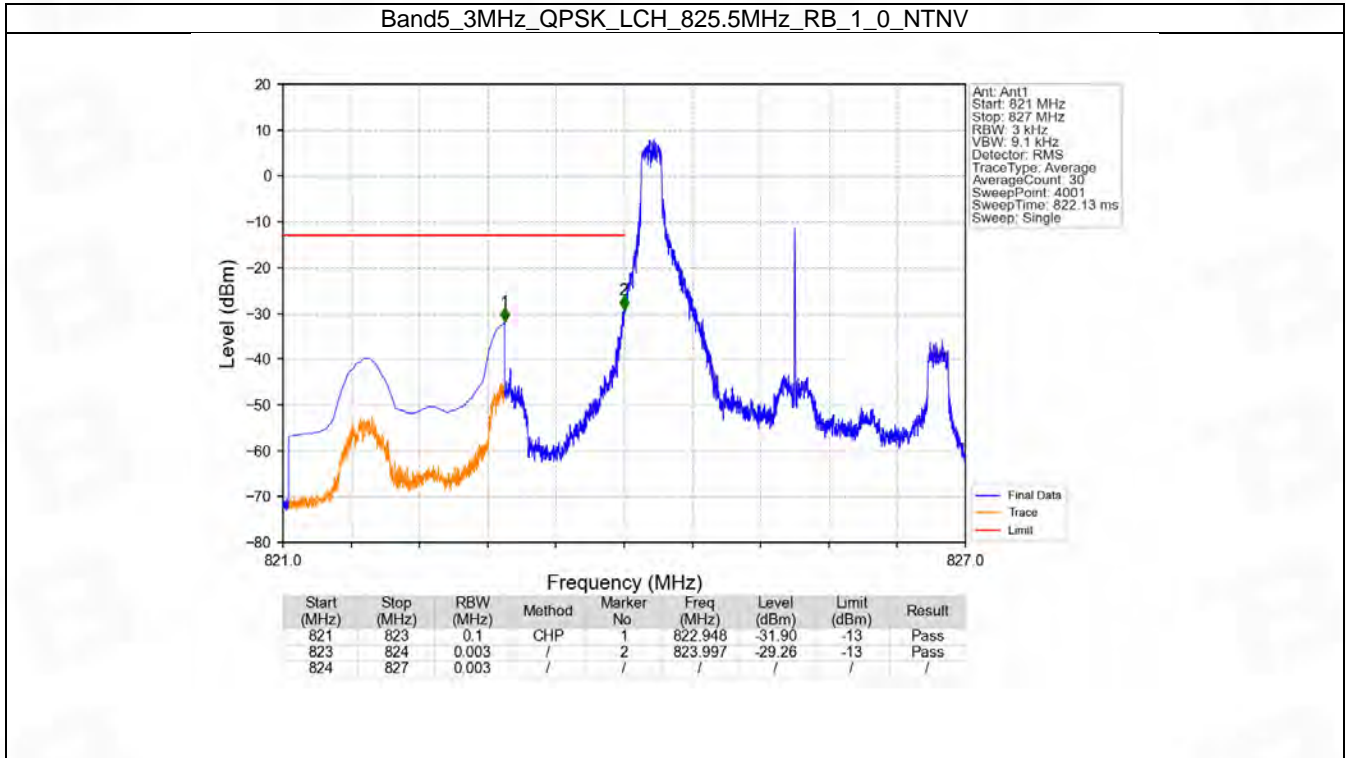


6.2 B5_3MHz

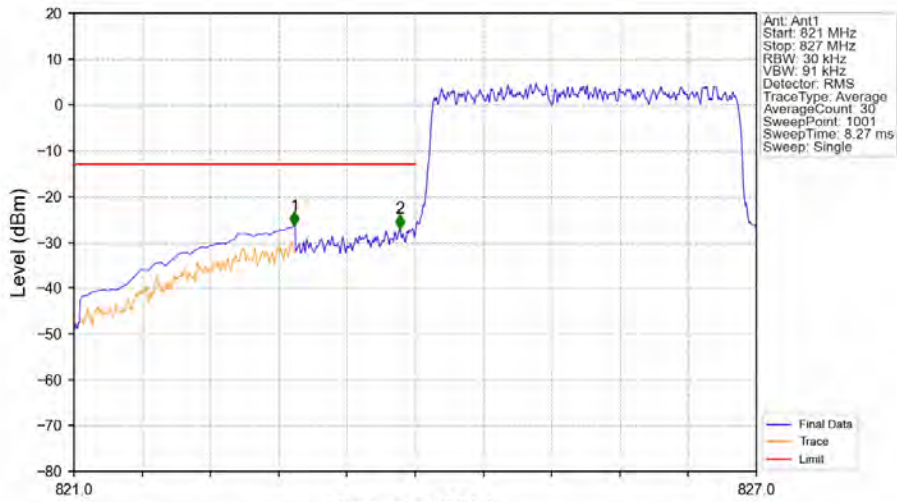
6.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.2.2 Test Graph

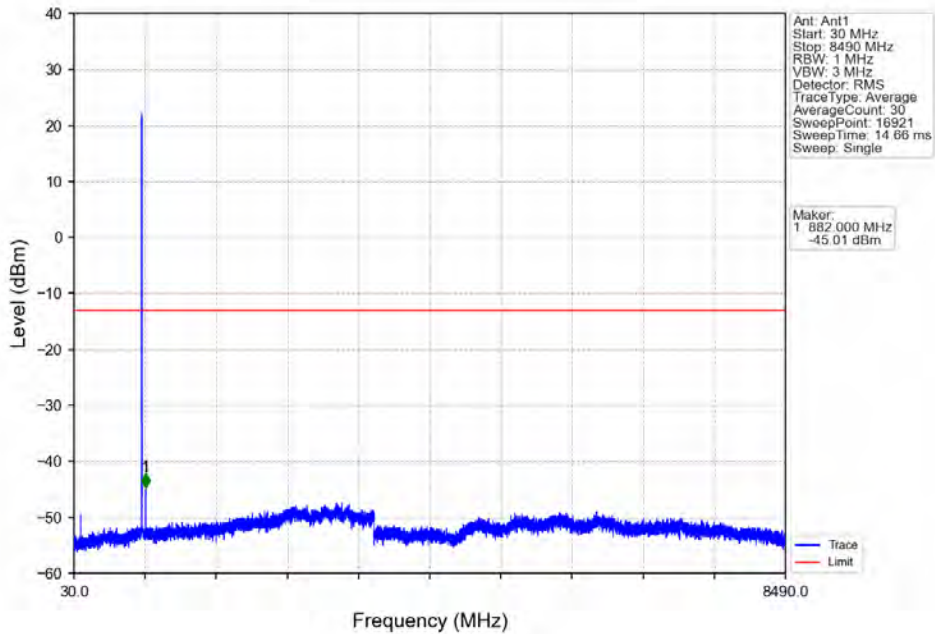


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

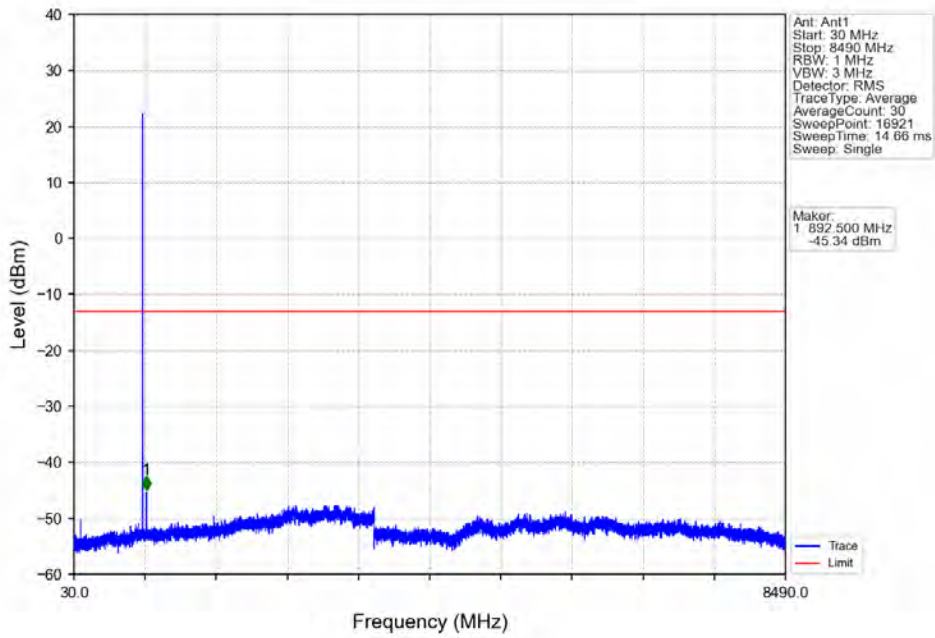


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.938	-26.43	-13	Pass
823	824	0.03	/	2	823.868	-27.00	-13	Pass
824	827	0.03	/	/	/	/	/	/

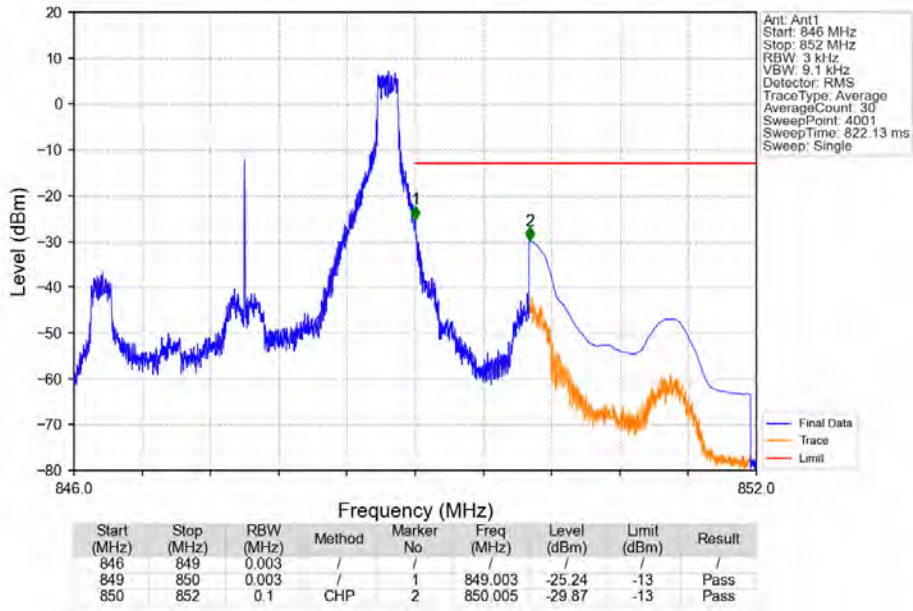
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



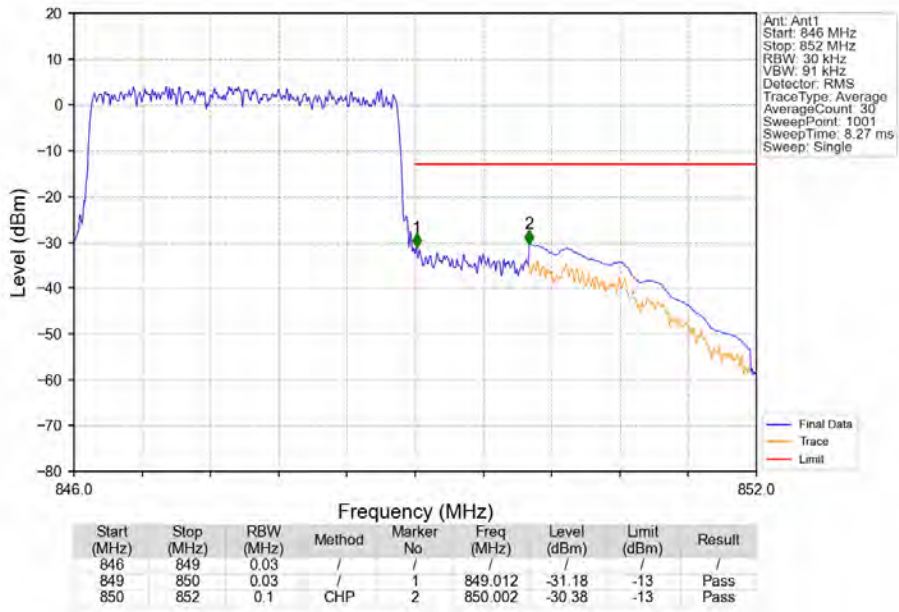
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



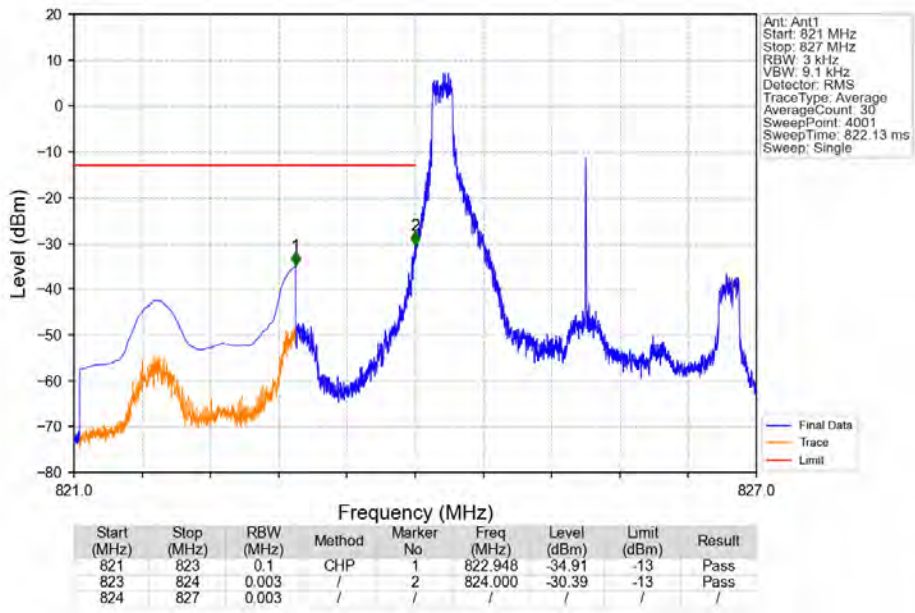
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



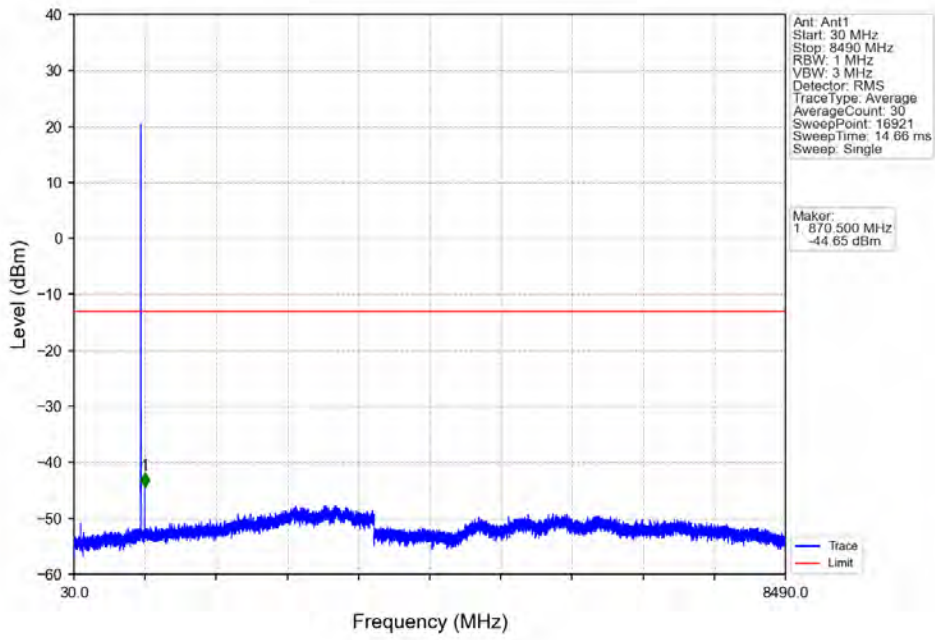
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



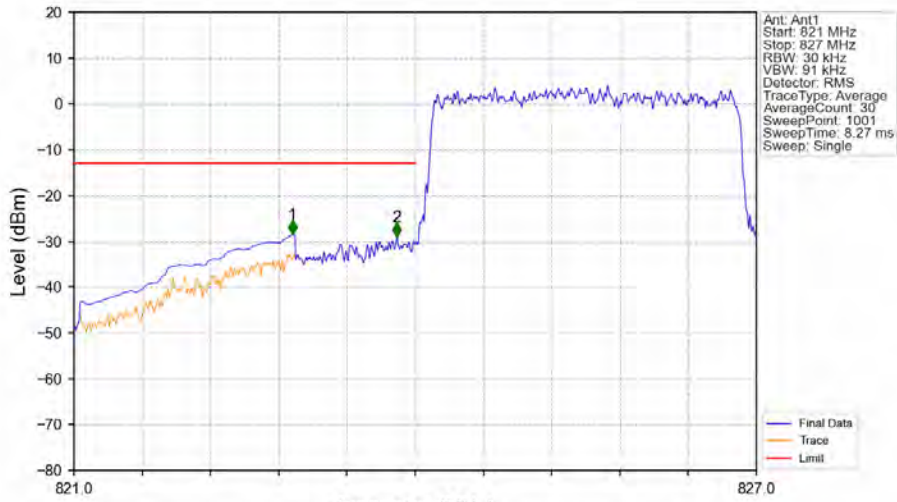
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

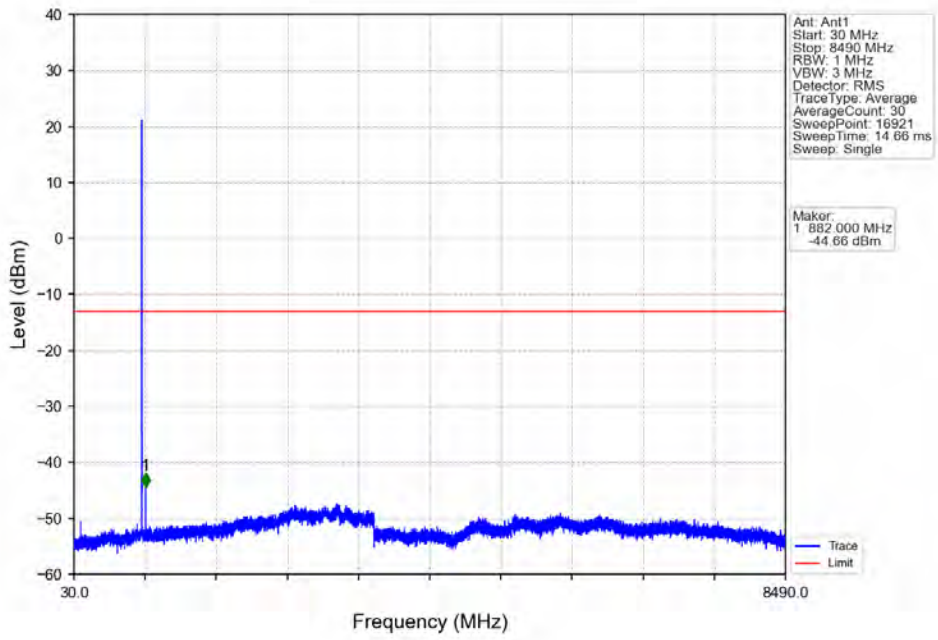


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

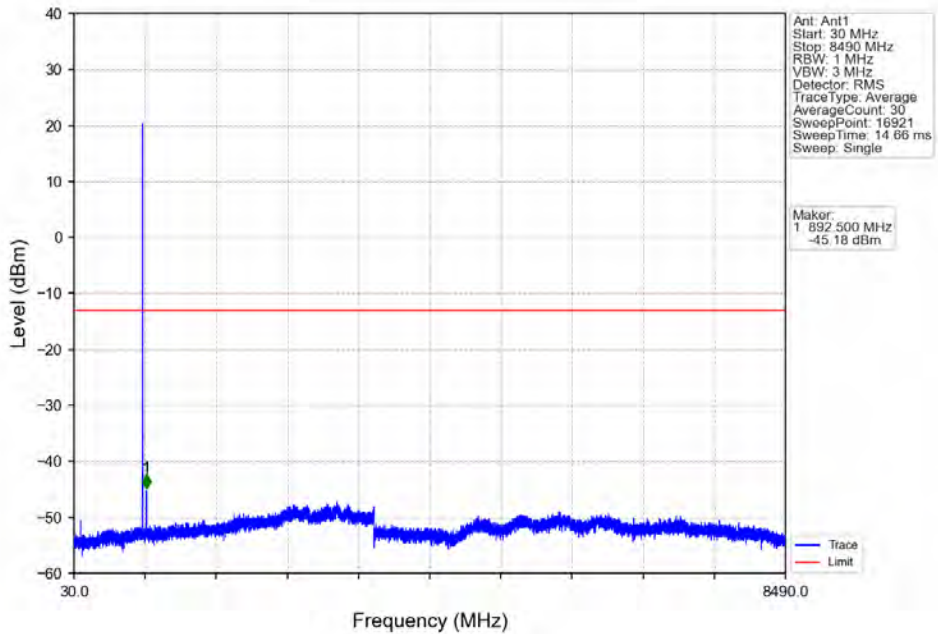


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.920	-28.58	-13	Pass
823	824	0.03	/	2	823.838	-29.00	-13	Pass
824	827	0.03	/	/	/	/	/	/

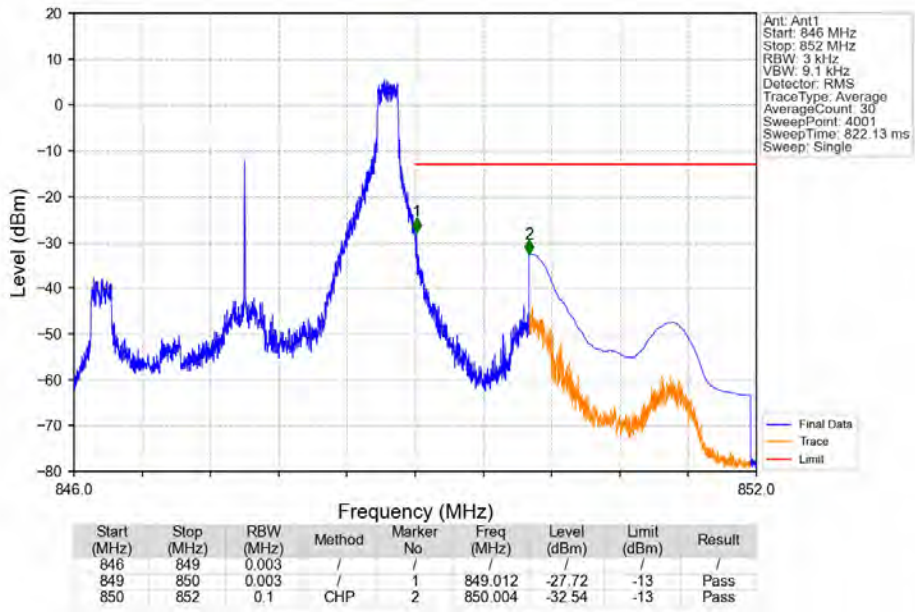
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



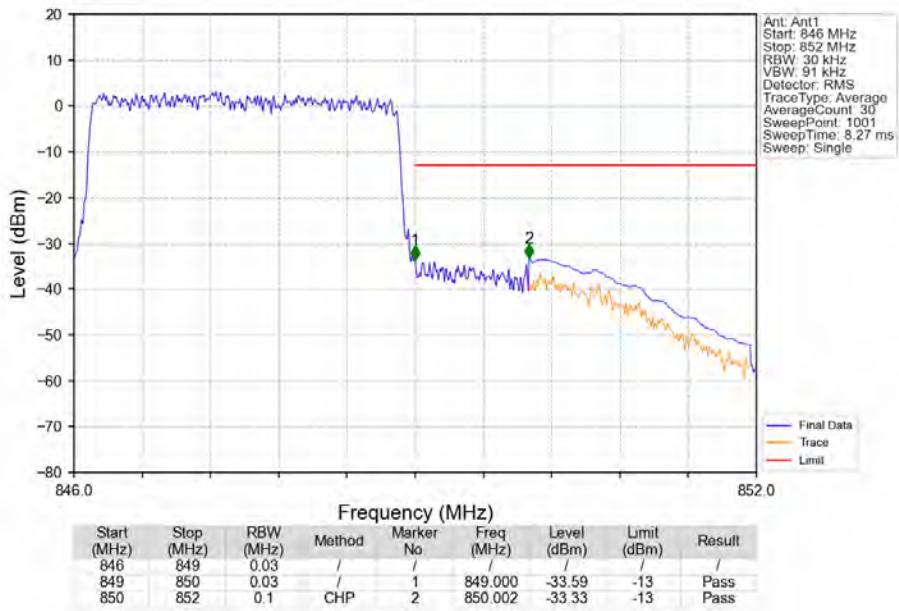
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

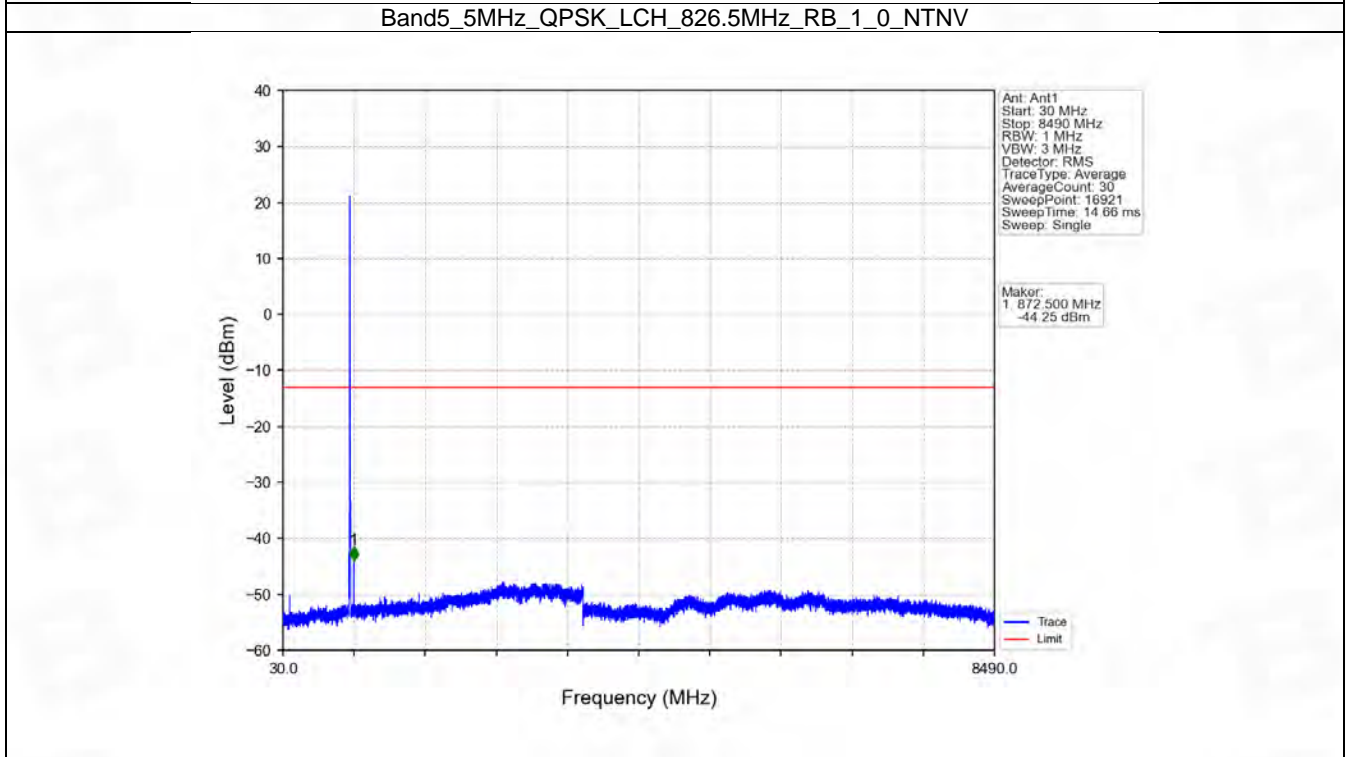
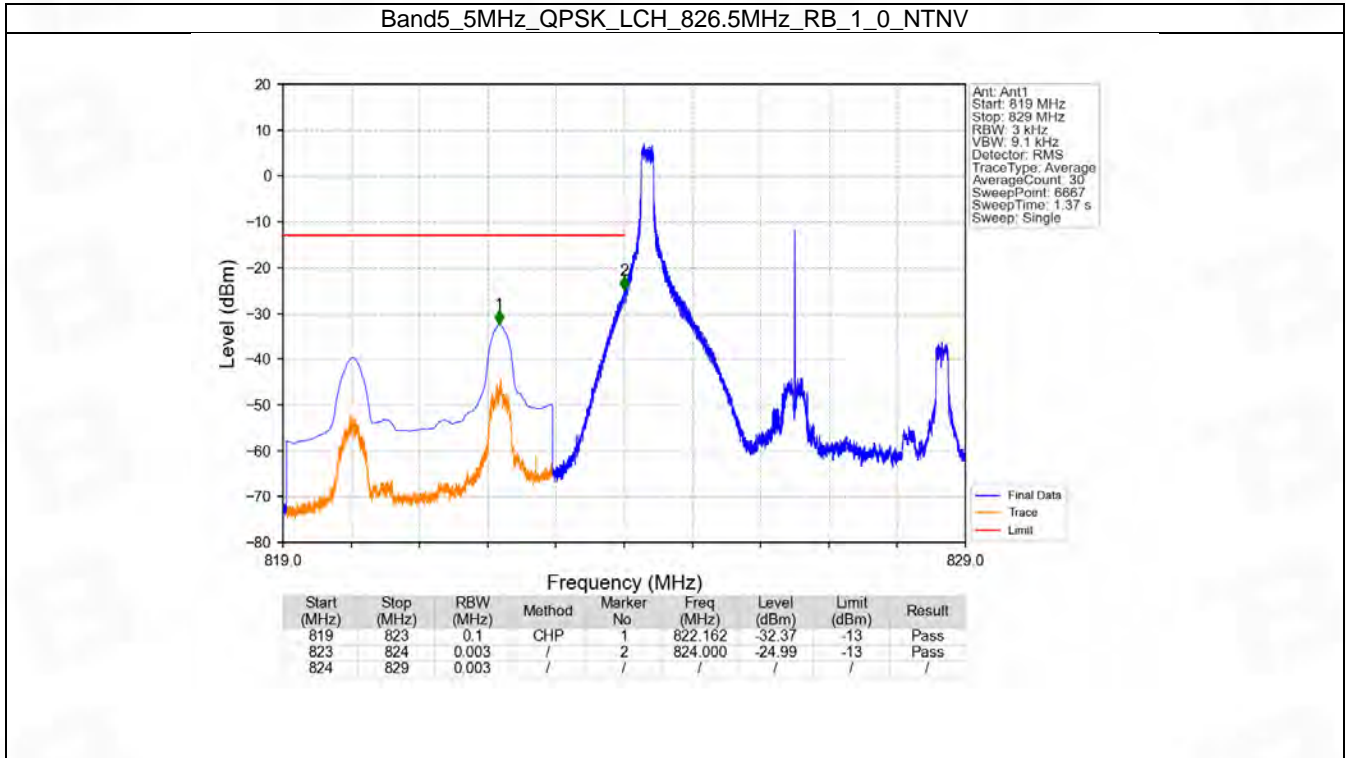


6.3 B5_5MHz

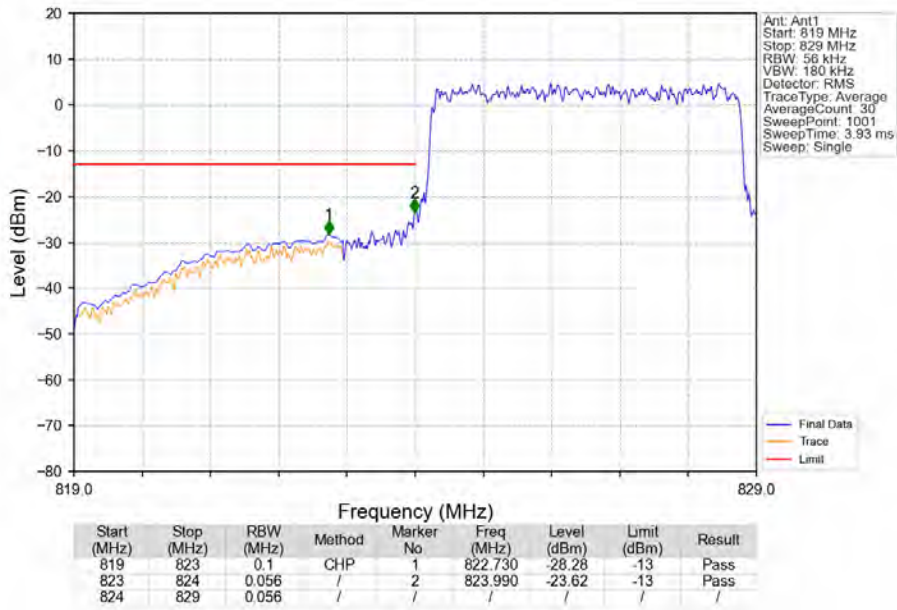
6.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

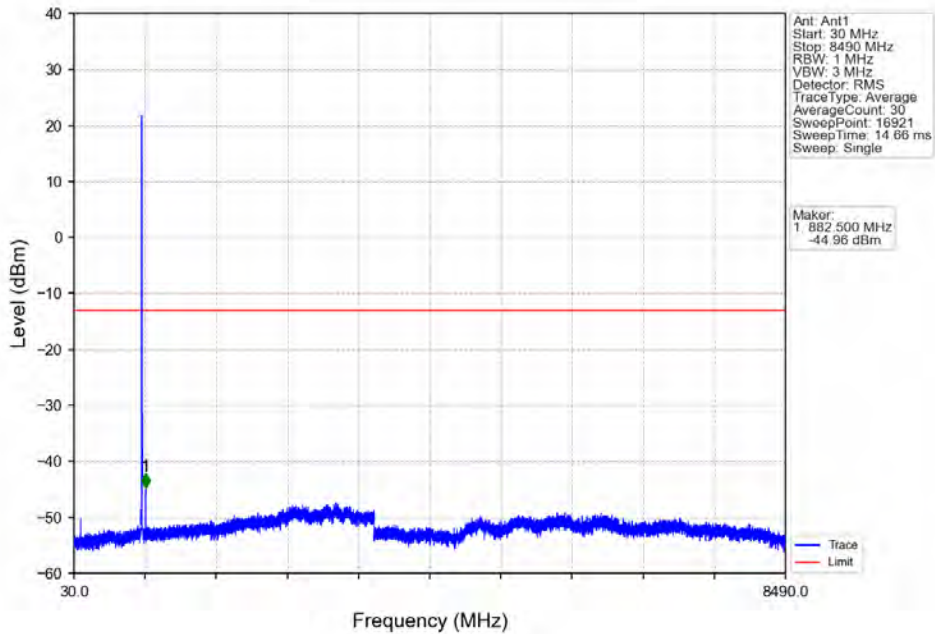
6.3.2 Test Graph



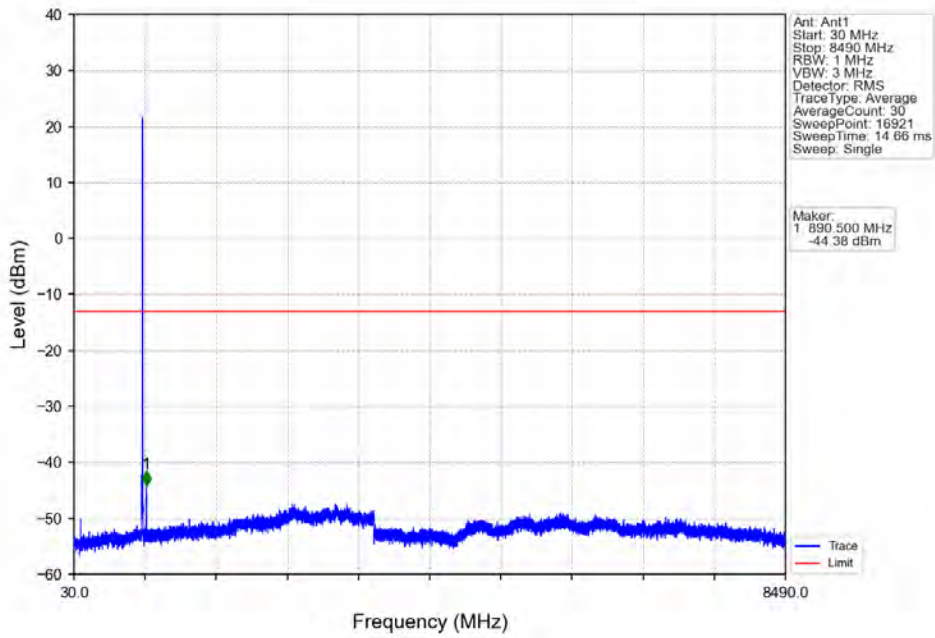
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



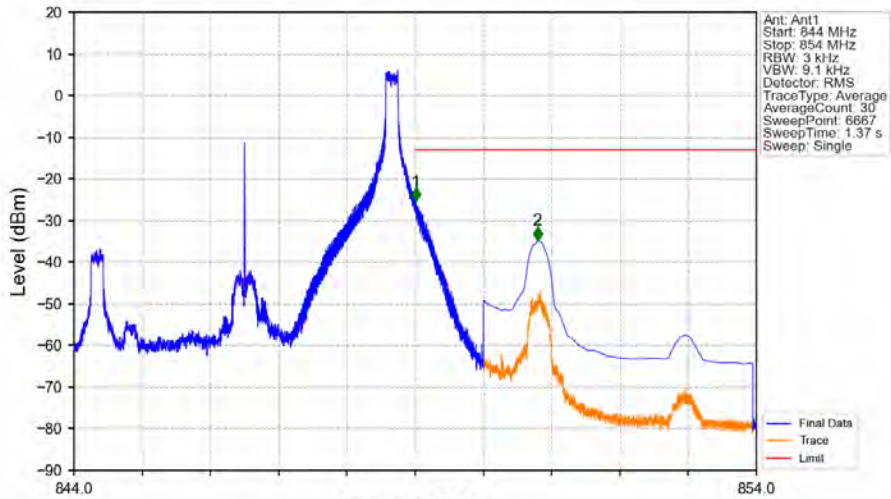
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

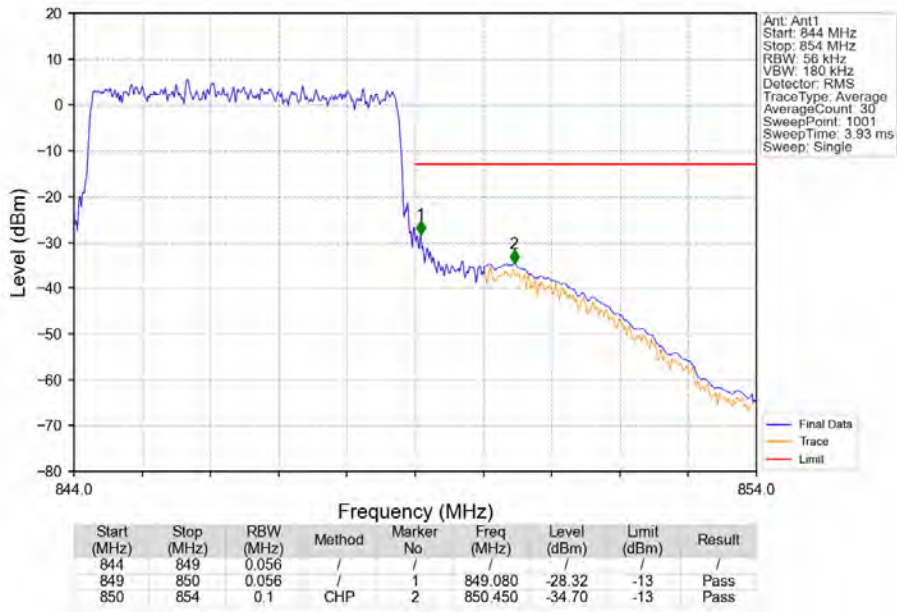


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV

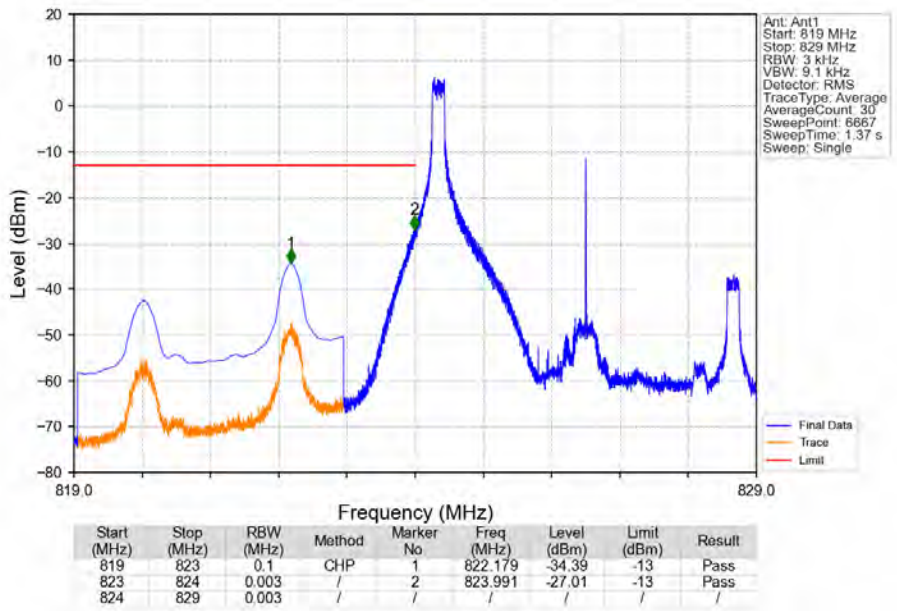


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	1	849.009	-25.47	-13	Pass
849	850	0.003	/	2	850.793	-34.82	-13	Pass
850	854	0.1	CHP					

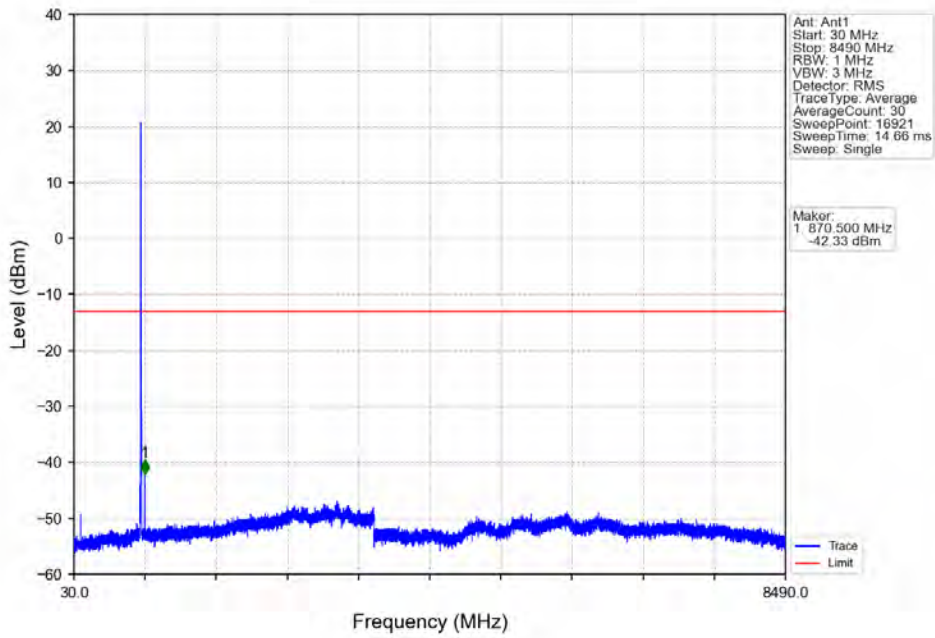
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



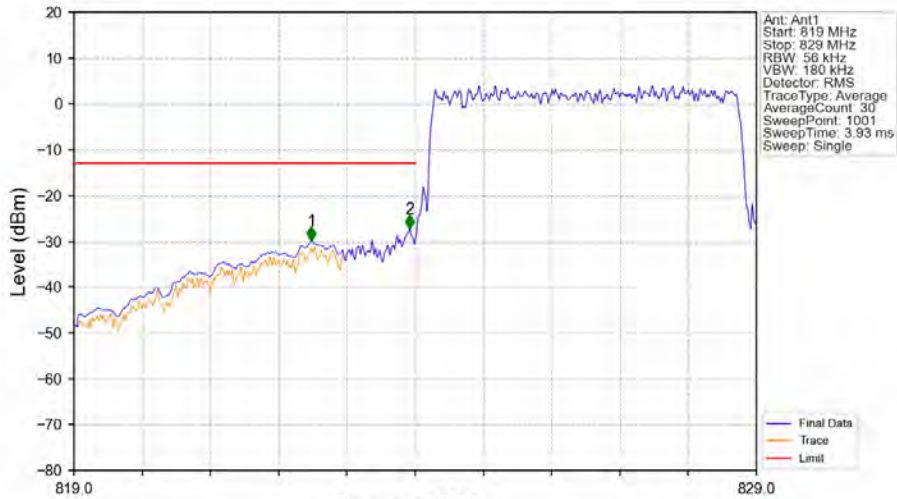
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

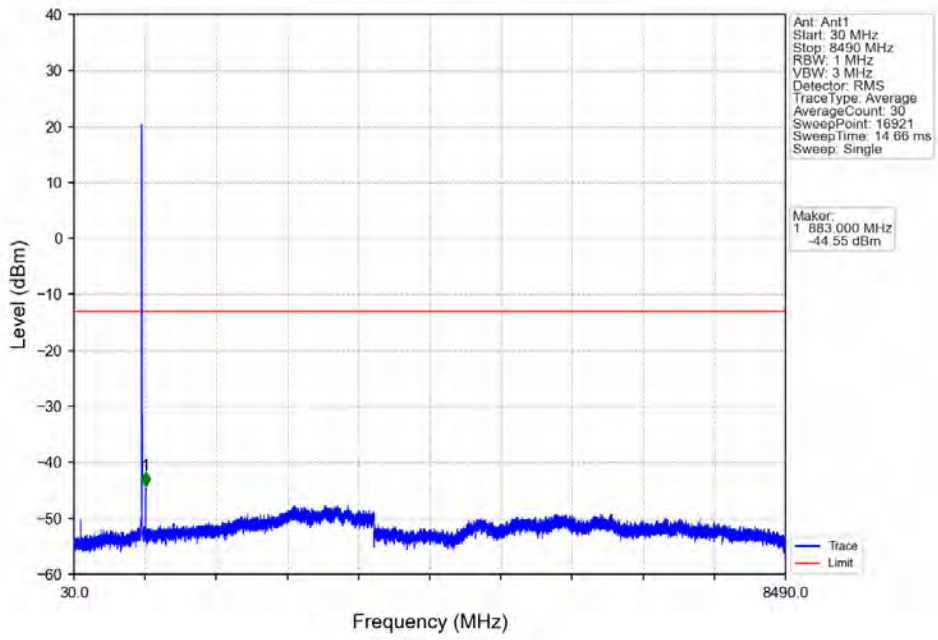


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

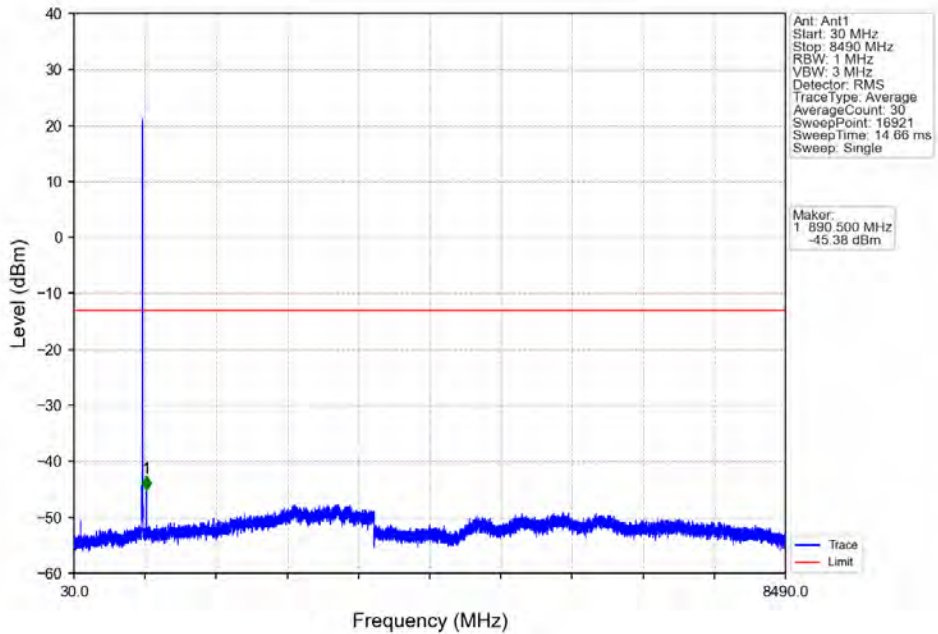


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.480	-29.92	-13	Pass
823	824	0.056	/	2	823.920	-27.30	-13	Pass
824	829	0.056	/	/	/	/	/	/

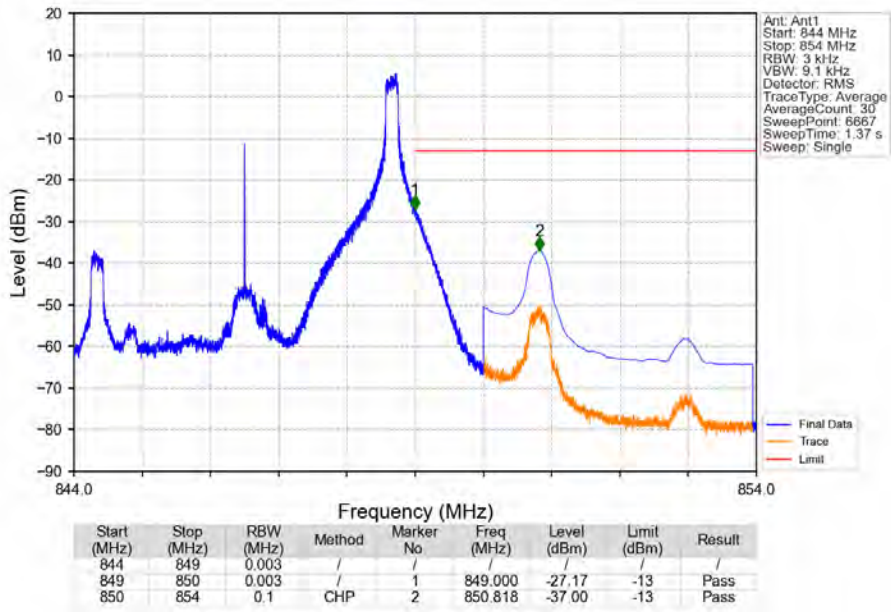
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



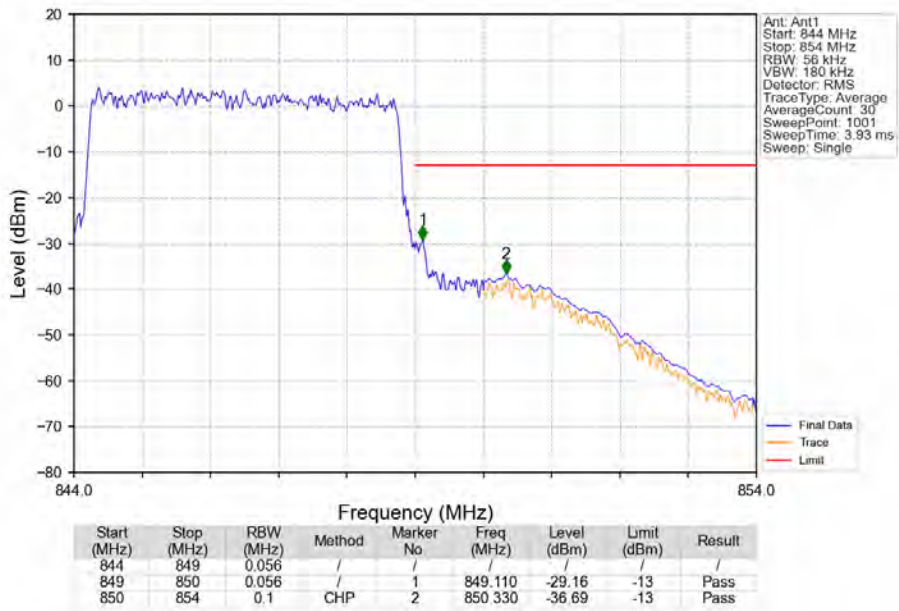
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

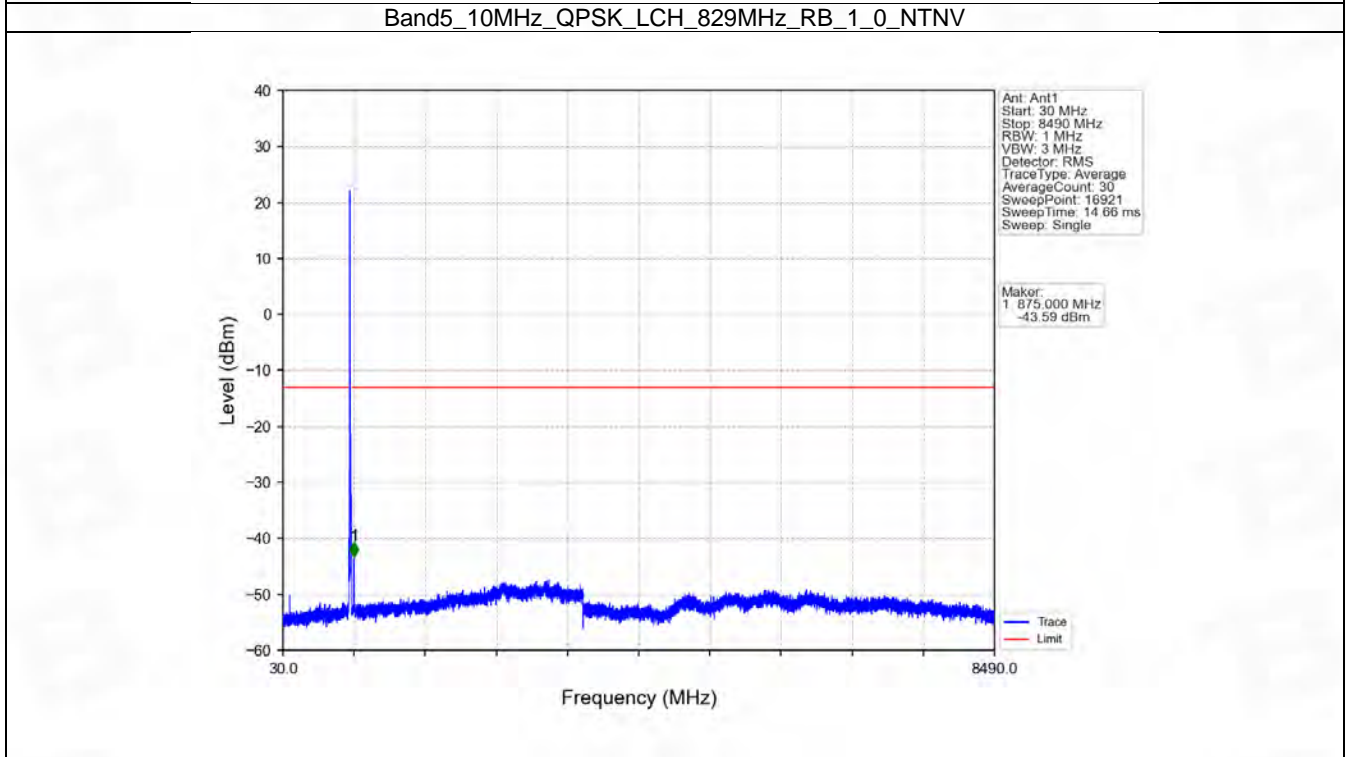
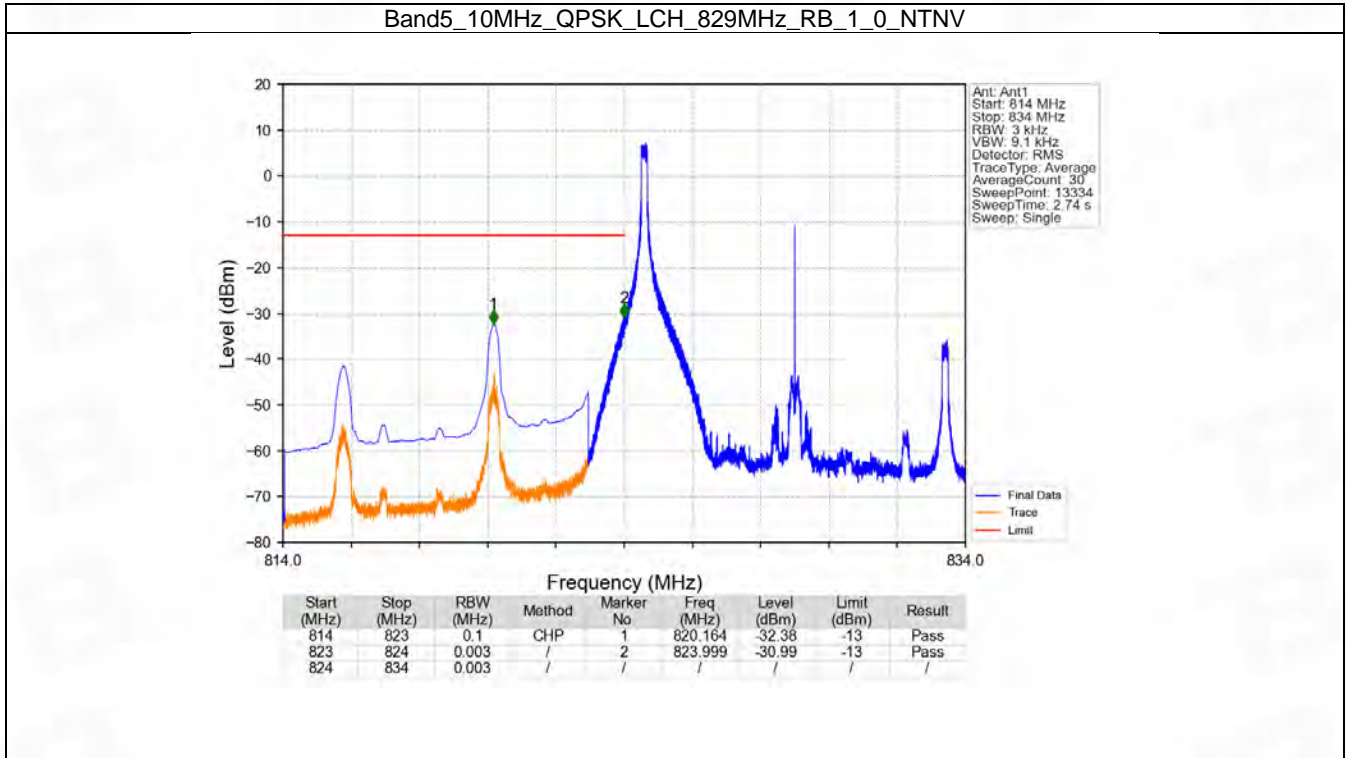


6.4 B5_10MHz

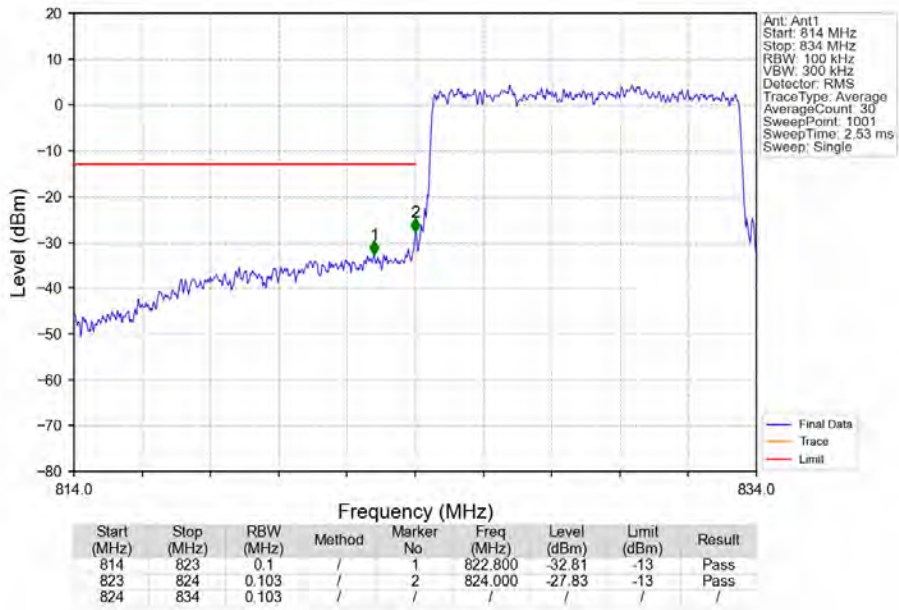
6.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		844	1	0	Refer To Test Graph	
				49	Refer To Test Graph	
			50	0	Refer To Test Graph	
16QAM	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		844	1	0	Refer To Test Graph	
				49	Refer To Test Graph	
			50	0	Refer To Test Graph	

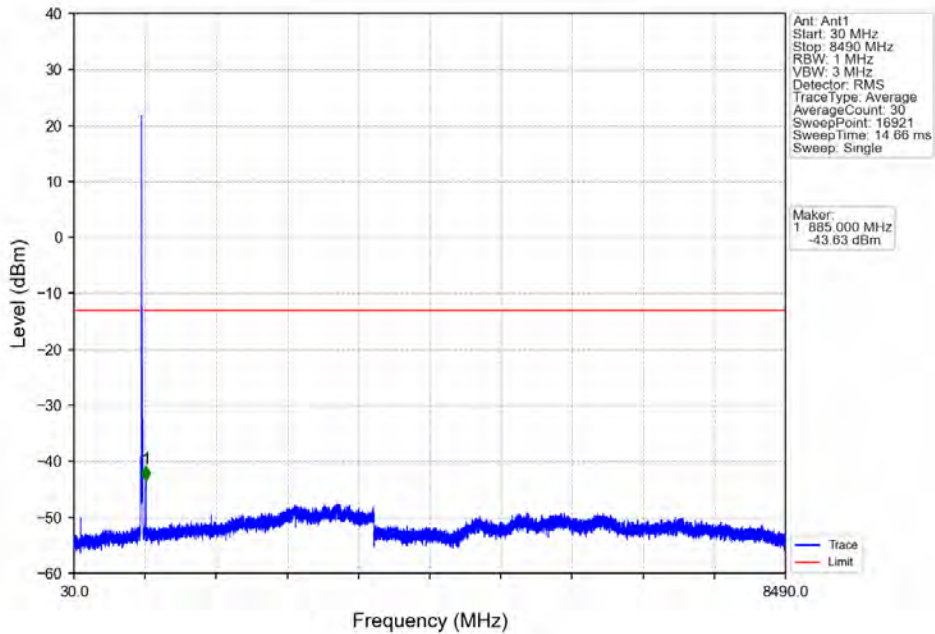
6.4.2 Test Graph



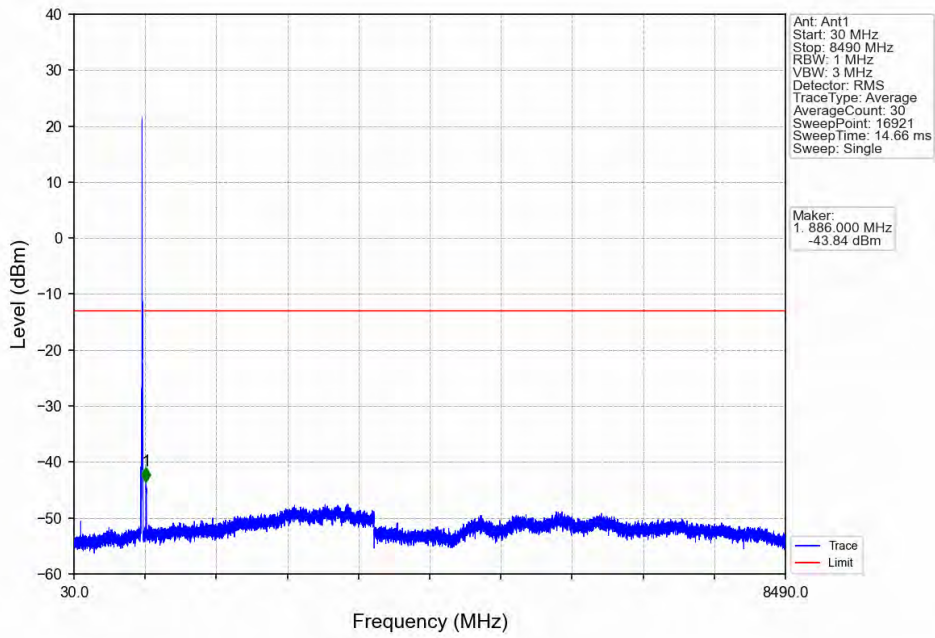
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



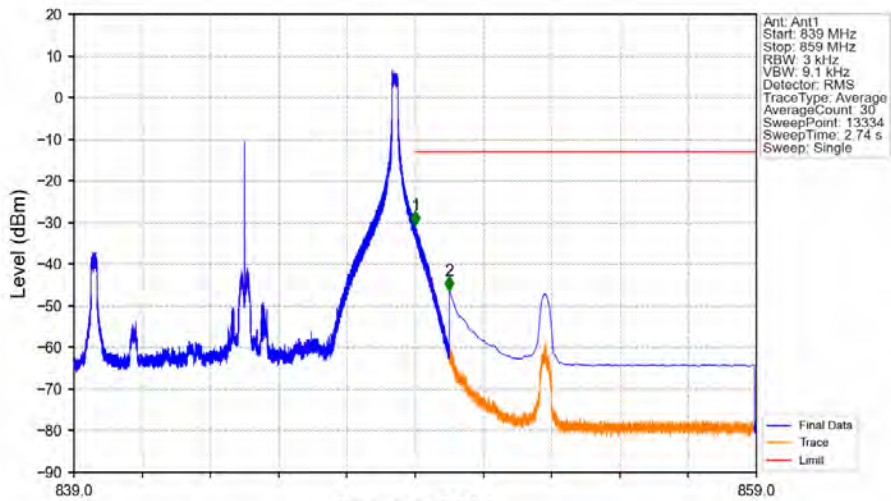
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

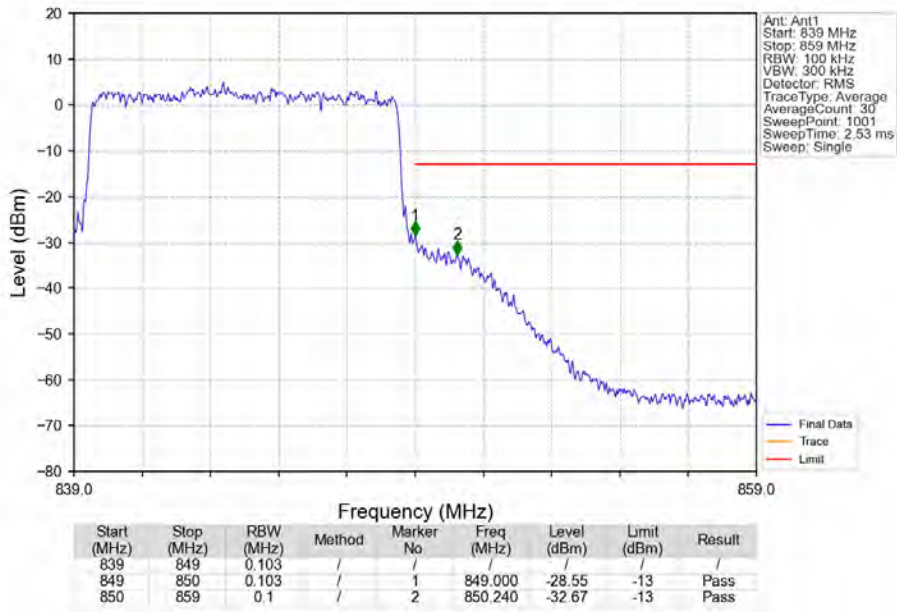


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV

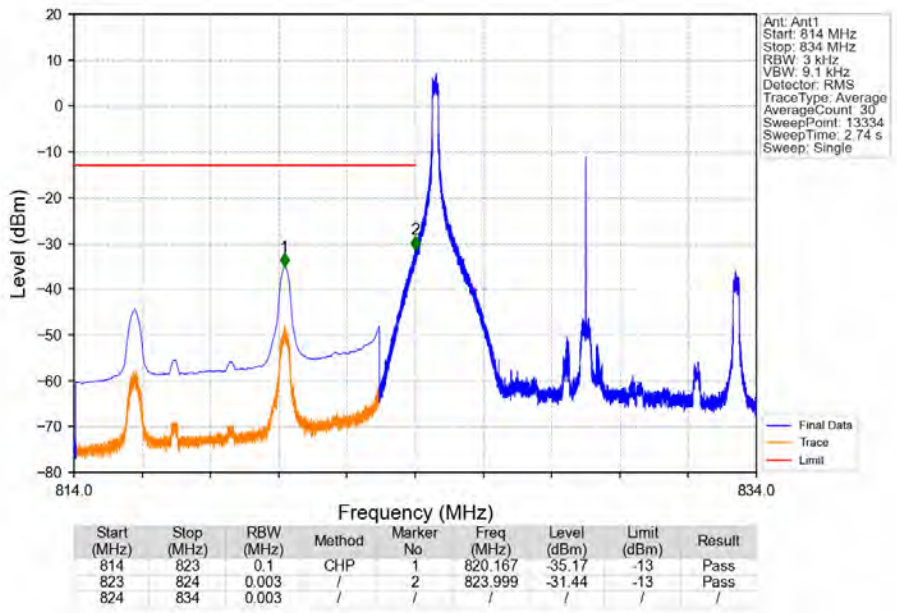


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	1	849.011	-30.62	-13	Pass
849	850	0.003	/	1	849.011	-30.62	-13	Pass
850	859	0.1	CHP	2	850.001	-46.33	-13	Pass

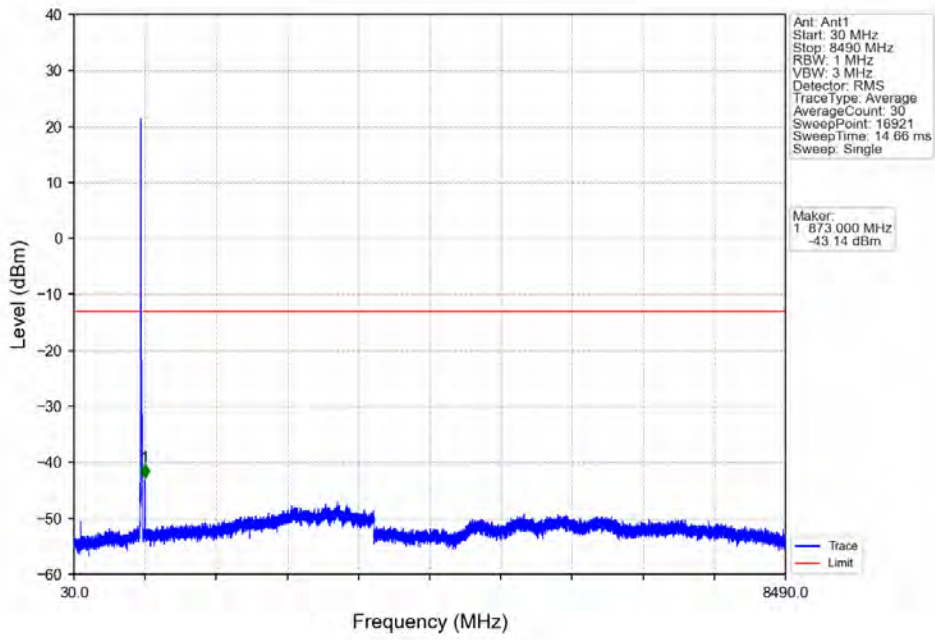
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



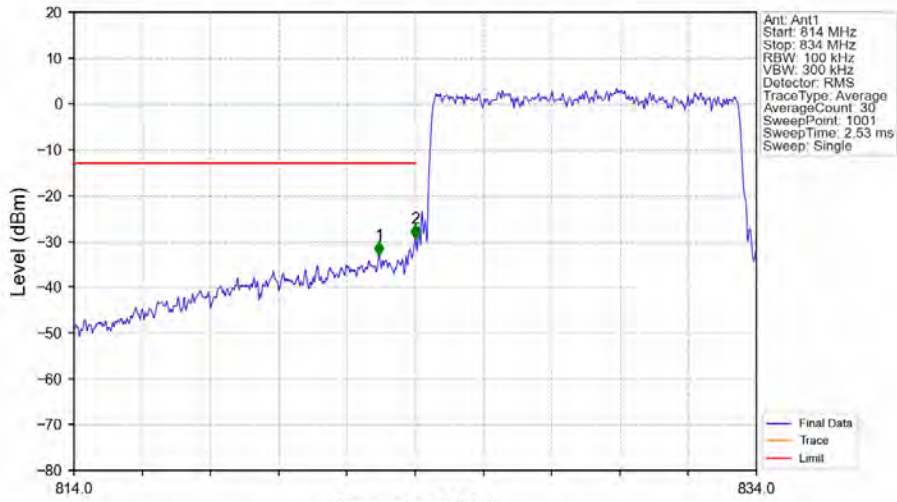
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

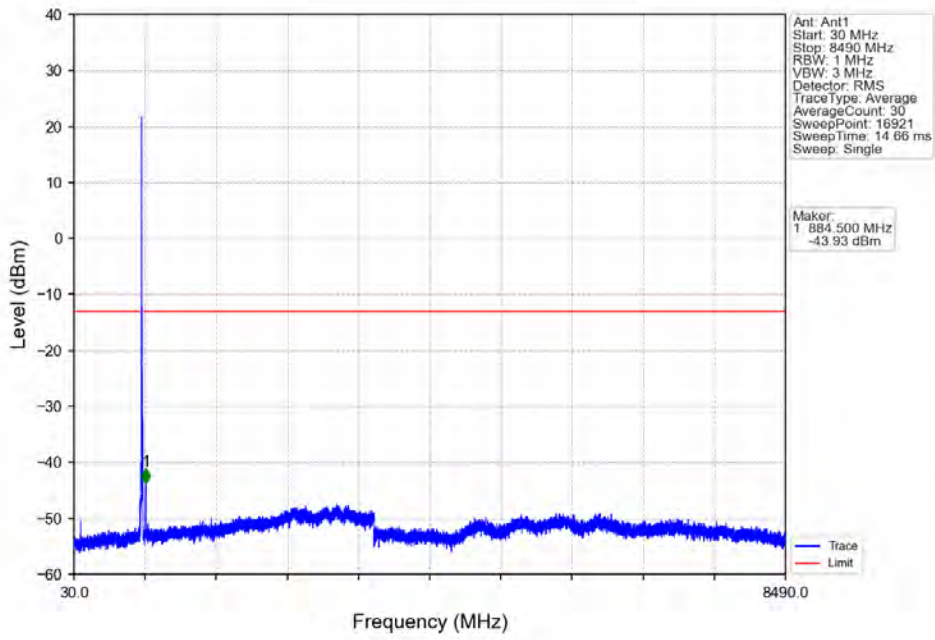


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

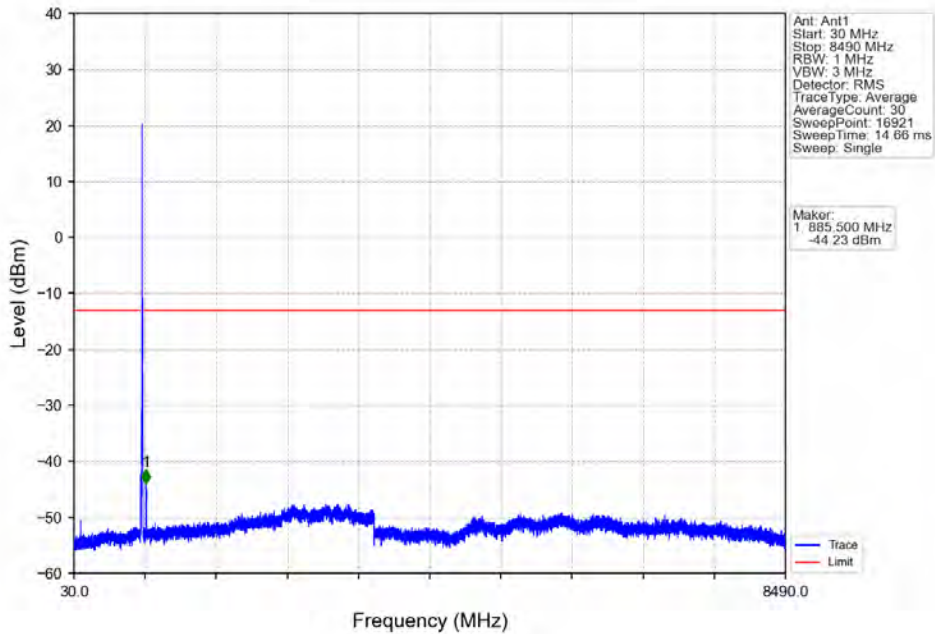


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	822.940	-33.12	-13	Pass
823	824	0.105	/	2	824.000	-29.40	-13	Pass
824	834	0.105	/	/	/	/	/	/

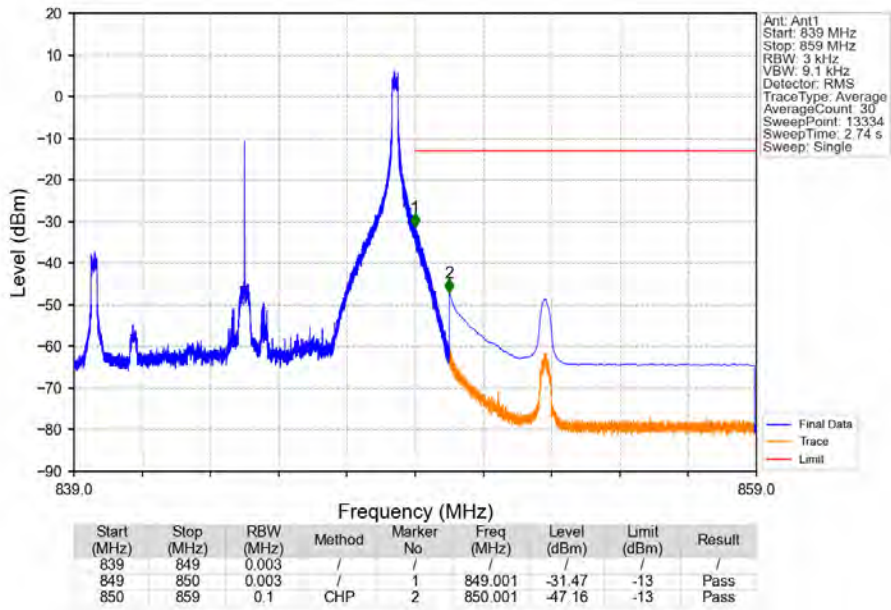
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



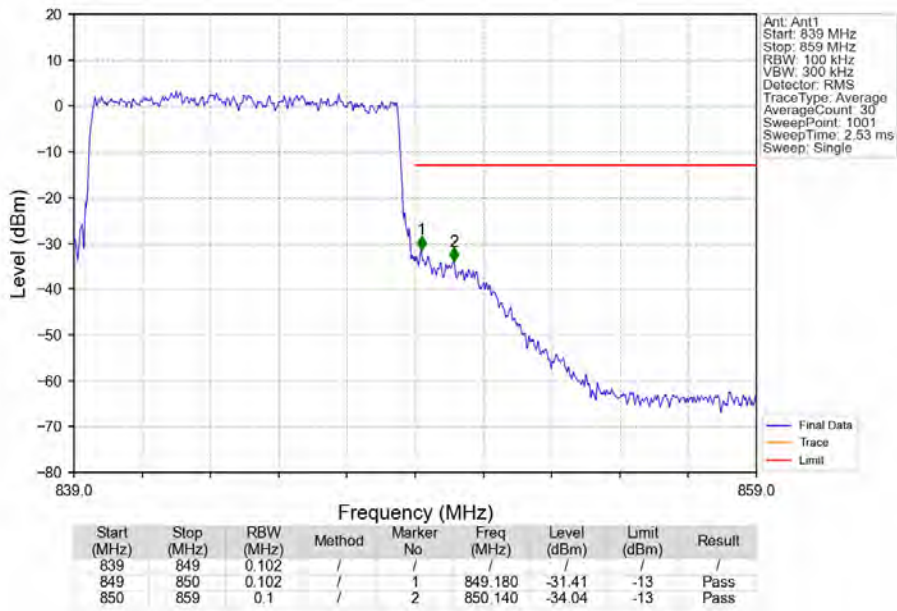
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_49_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_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)
5	1.4	824.7	848.3	0.1663	0.0153	ppm	1M12G7D	22H	22.21
5	1.4	824.7	848.3	0.1330	0.0148	ppm	1M11W7D	22H	21.24
5	3	825.5	847.5	0.1758	0.0163	ppm	2M73G7D	22H	22.45
5	3	825.5	847.5	0.1469	0.0180	ppm	2M73W7D	22H	21.67
5	5	826.5	846.5	0.1667	0.0144	ppm	4M58G7D	22H	22.22
5	5	826.5	846.5	0.1343	0.0126	ppm	4M59W7D	22H	21.28
5	10	829	844	0.1726	0.0115	ppm	9M09G7D	22H	22.37
5	10	829	844	0.1439	0.0123	ppm	9M08W7D	22H	21.58

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)
5	1.4	824.7	848.3	0.1148	0.0153	ppm	1M12G7D	22H	20.60
5	1.4	824.7	848.3	0.0918	0.0148	ppm	1M11W7D	22H	19.63
5	3	825.5	847.5	0.1213	0.0163	ppm	2M73G7D	22H	20.84
5	3	825.5	847.5	0.1014	0.0180	ppm	2M73W7D	22H	20.06
5	5	826.5	846.5	0.1151	0.0144	ppm	4M58G7D	22H	20.61
5	5	826.5	846.5	0.0927	0.0126	ppm	4M59W7D	22H	19.67
5	10	829	844	0.1191	0.0115	ppm	9M09G7D	22H	20.76
5	10	829	844	0.0993	0.0123	ppm	9M08W7D	22H	19.97