

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	23.01	0.48	21.34	<=38.45	Pass		
			2	23.12	0.48	21.45	<=38.45	Pass		
			5	23.02	0.48	21.35	<=38.45	Pass		
		3	0	23.01	0.48	21.34	<=38.45	Pass		
			2	23.03	0.48	21.36	<=38.45	Pass		
			3	23.00	0.48	21.33	<=38.45	Pass		
		6	0	22.02	0.48	20.35	<=38.45	Pass		
		836.5	1	0	22.80	0.48	21.13	<=38.45	Pass	
				2	22.87	0.48	21.20	<=38.45	Pass	
	5			22.82	0.48	21.15	<=38.45	Pass		
	3		0	22.90	0.48	21.23	<=38.45	Pass		
			2	22.92	0.48	21.25	<=38.45	Pass		
			3	22.88	0.48	21.21	<=38.45	Pass		
	6		0	21.85	0.48	20.18	<=38.45	Pass		
	848.3		1	0	22.69	0.48	21.02	<=38.45	Pass	
				2	22.75	0.48	21.08	<=38.45	Pass	
		5		22.65	0.48	20.98	<=38.45	Pass		
		3	0	22.78	0.48	21.11	<=38.45	Pass		
			2	22.79	0.48	21.12	<=38.45	Pass		
			3	22.74	0.48	21.07	<=38.45	Pass		
		6	0	21.72	0.48	20.05	<=38.45	Pass		
		16QAM	824.7	1	0	21.92	0.48	20.25	<=38.45	Pass
					2	22.00	0.48	20.33	<=38.45	Pass
	5				21.97	0.48	20.30	<=38.45	Pass	
3	0			22.04	0.48	20.37	<=38.45	Pass		
	2			22.01	0.48	20.34	<=38.45	Pass		
	3			22.02	0.48	20.35	<=38.45	Pass		
6	0			20.95	0.48	19.28	<=38.45	Pass		
836.5	1			0	21.92	0.48	20.25	<=38.45	Pass	
				2	22.04	0.48	20.37	<=38.45	Pass	
			5	21.90	0.48	20.23	<=38.45	Pass		
	3		0	21.84	0.48	20.17	<=38.45	Pass		
			2	21.88	0.48	20.21	<=38.45	Pass		
			3	21.89	0.48	20.22	<=38.45	Pass		
	6		0	20.89	0.48	19.22	<=38.45	Pass		
	848.3		1	0	21.66	0.48	19.99	<=38.45	Pass	
				2	21.73	0.48	20.06	<=38.45	Pass	
5				21.60	0.48	19.93	<=38.45	Pass		
3			0	21.94	0.48	20.27	<=38.45	Pass		
			2	21.96	0.48	20.29	<=38.45	Pass		
			3	21.91	0.48	20.24	<=38.45	Pass		
6			0	20.74	0.48	19.07	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B5_3MHz_ERP

1.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	825.5	1	0	23.16	0.48	21.49	<=38.45	Pass		
			7	23.29	0.48	21.62	<=38.45	Pass		
			14	23.13	0.48	21.46	<=38.45	Pass		
		8	0	22.05	0.48	20.38	<=38.45	Pass		
			4	22.14	0.48	20.47	<=38.45	Pass		
			7	22.08	0.48	20.41	<=38.45	Pass		
		15	0	22.02	0.48	20.35	<=38.45	Pass		
		836.5	1	0	22.95	0.48	21.28	<=38.45	Pass	
				7	23.07	0.48	21.40	<=38.45	Pass	
	14			22.91	0.48	21.24	<=38.45	Pass		
	8		0	21.92	0.48	20.25	<=38.45	Pass		
			4	21.95	0.48	20.28	<=38.45	Pass		
			7	21.87	0.48	20.20	<=38.45	Pass		
	15		0	21.92	0.48	20.25	<=38.45	Pass		
	847.5		1	0	22.84	0.48	21.17	<=38.45	Pass	
				7	22.97	0.48	21.30	<=38.45	Pass	
		14		22.80	0.48	21.13	<=38.45	Pass		
		8	0	21.83	0.48	20.16	<=38.45	Pass		
			4	21.85	0.48	20.18	<=38.45	Pass		
			7	21.77	0.48	20.10	<=38.45	Pass		
		15	0	21.84	0.48	20.17	<=38.45	Pass		
		16QAM	825.5	1	0	22.08	0.48	20.41	<=38.45	Pass
					7	22.22	0.48	20.55	<=38.45	Pass
	14				22.02	0.48	20.35	<=38.45	Pass	
8	0			21.11	0.48	19.44	<=38.45	Pass		
	4			21.18	0.48	19.51	<=38.45	Pass		
	7			21.11	0.48	19.44	<=38.45	Pass		
15	0			21.09	0.48	19.42	<=38.45	Pass		
836.5	1			0	22.10	0.48	20.43	<=38.45	Pass	
				7	22.22	0.48	20.55	<=38.45	Pass	
			14	22.08	0.48	20.41	<=38.45	Pass		
	8		0	20.94	0.48	19.27	<=38.45	Pass		
			4	20.97	0.48	19.30	<=38.45	Pass		
			7	20.91	0.48	19.24	<=38.45	Pass		
	15		0	20.88	0.48	19.21	<=38.45	Pass		
	847.5		1	0	22.32	0.48	20.65	<=38.45	Pass	
				7	22.46	0.48	20.79	<=38.45	Pass	
14				22.21	0.48	20.54	<=38.45	Pass		
8			0	21.01	0.48	19.34	<=38.45	Pass		
			4	21.04	0.48	19.37	<=38.45	Pass		
			7	20.98	0.48	19.31	<=38.45	Pass		
15			0	20.90	0.48	19.23	<=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 / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	826.5	1	0	22.88	0.48	21.21	<=38.45	Pass		
			13	23.00	0.48	21.33	<=38.45	Pass		
			24	22.84	0.48	21.17	<=38.45	Pass		
		12	0	21.89	0.48	20.22	<=38.45	Pass		
			6	21.95	0.48	20.28	<=38.45	Pass		
			13	21.87	0.48	20.20	<=38.45	Pass		
		25	0	21.91	0.48	20.24	<=38.45	Pass		
		836.5	1	0	22.74	0.48	21.07	<=38.45	Pass	
				13	22.84	0.48	21.17	<=38.45	Pass	
	24			22.71	0.48	21.04	<=38.45	Pass		
	12		0	21.80	0.48	20.13	<=38.45	Pass		
			6	21.82	0.48	20.15	<=38.45	Pass		
			13	21.70	0.48	20.03	<=38.45	Pass		
	25		0	21.78	0.48	20.11	<=38.45	Pass		
	846.5		1	0	22.66	0.48	20.99	<=38.45	Pass	
				13	22.76	0.48	21.09	<=38.45	Pass	
		24		22.60	0.48	20.93	<=38.45	Pass		
		12	0	21.62	0.48	19.95	<=38.45	Pass		
			6	21.74	0.48	20.07	<=38.45	Pass		
			13	21.58	0.48	19.91	<=38.45	Pass		
		25	0	21.64	0.48	19.97	<=38.45	Pass		
		16QAM	826.5	1	0	21.90	0.48	20.23	<=38.45	Pass
					13	21.99	0.48	20.32	<=38.45	Pass
	24				21.85	0.48	20.18	<=38.45	Pass	
12	0			20.90	0.48	19.23	<=38.45	Pass		
	6			20.97	0.48	19.30	<=38.45	Pass		
	13			20.93	0.48	19.26	<=38.45	Pass		
25	0			20.91	0.48	19.24	<=38.45	Pass		
836.5	1			0	21.96	0.48	20.29	<=38.45	Pass	
				13	22.08	0.48	20.41	<=38.45	Pass	
			24	21.95	0.48	20.28	<=38.45	Pass		
	12		0	20.90	0.48	19.23	<=38.45	Pass		
			6	20.93	0.48	19.26	<=38.45	Pass		
			13	20.80	0.48	19.13	<=38.45	Pass		
	25		0	20.82	0.48	19.15	<=38.45	Pass		
	846.5		1	0	21.42	0.48	19.75	<=38.45	Pass	
				13	21.58	0.48	19.91	<=38.45	Pass	
24				21.43	0.48	19.76	<=38.45	Pass		
12			0	20.68	0.48	19.01	<=38.45	Pass		
			6	20.79	0.48	19.12	<=38.45	Pass		
			13	20.59	0.48	18.92	<=38.45	Pass		
25			0	20.69	0.48	19.02	<=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 / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	22.95	0.48	21.28	<=38.45	Pass
			25	23.19	0.48	21.52	<=38.45	Pass

		25	49	22.81	0.48	21.14	<=38.45	Pass	
			0	21.99	0.48	20.32	<=38.45	Pass	
			13	21.96	0.48	20.29	<=38.45	Pass	
			25	21.92	0.48	20.25	<=38.45	Pass	
		50	0	21.95	0.48	20.28	<=38.45	Pass	
			1	0	22.76	0.48	21.09	<=38.45	Pass
				25	22.98	0.48	21.31	<=38.45	Pass
		25	49	22.74	0.48	21.07	<=38.45	Pass	
			0	21.87	0.48	20.20	<=38.45	Pass	
			13	21.87	0.48	20.20	<=38.45	Pass	
	50	25	21.76	0.48	20.09	<=38.45	Pass		
		0	21.86	0.48	20.19	<=38.45	Pass		
		1	0	22.73	0.48	21.06	<=38.45	Pass	
	25		23.00	0.48	21.33	<=38.45	Pass		
	49		22.66	0.48	20.99	<=38.45	Pass		
	25	0	21.79	0.48	20.12	<=38.45	Pass		
		13	21.79	0.48	20.12	<=38.45	Pass		
		25	21.68	0.48	20.01	<=38.45	Pass		
	50	0	21.76	0.48	20.09	<=38.45	Pass		
		1	0	21.86	0.48	20.19	<=38.45	Pass	
			25	22.05	0.48	20.38	<=38.45	Pass	
	49		21.79	0.48	20.12	<=38.45	Pass		
	25	0	21.06	0.48	19.39	<=38.45	Pass		
		13	21.04	0.48	19.37	<=38.45	Pass		
		25	21.03	0.48	19.36	<=38.45	Pass		
	50	0	20.98	0.48	19.31	<=38.45	Pass		
		1	0	21.88	0.48	20.21	<=38.45	Pass	
25			22.14	0.48	20.47	<=38.45	Pass		
49	21.84		0.48	20.17	<=38.45	Pass			
25	0	20.92	0.48	19.25	<=38.45	Pass			
	13	20.95	0.48	19.28	<=38.45	Pass			
	25	20.80	0.48	19.13	<=38.45	Pass			
50	0	20.90	0.48	19.23	<=38.45	Pass			
	1	0	22.21	0.48	20.54	<=38.45	Pass		
		25	22.25	0.48	20.58	<=38.45	Pass		
49		22.14	0.48	20.47	<=38.45	Pass			
25	0	20.85	0.48	19.18	<=38.45	Pass			
	13	20.82	0.48	19.15	<=38.45	Pass			
	25	20.78	0.48	19.11	<=38.45	Pass			
50	0	20.75	0.48	19.08	<=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	-1.616	-0.0020	-2.5 to 2.5	Pass
					3.85	-1.287	-0.0016	-2.5 to 2.5	Pass
					4.43	-7.482	-0.0091	-2.5 to 2.5	Pass

				-30	3.85	-4.234	-0.0051	-2.5 to 2.5	Pass			
				-20	3.85	-7.911	-0.0096	-2.5 to 2.5	Pass			
				-10	3.85	2.646	0.0032	-2.5 to 2.5	Pass			
				0	3.85	-3.963	-0.0048	-2.5 to 2.5	Pass			
				10	3.85	-5.307	-0.0064	-2.5 to 2.5	Pass			
				30	3.85	-6.108	-0.0074	-2.5 to 2.5	Pass			
				40	3.85	-9.484	-0.0115	-2.5 to 2.5	Pass			
	50	3.85	-4.692	-0.0057	-2.5 to 2.5	Pass						
	836.5	6	0	20	3.27	-2.217	-0.0027	-2.5 to 2.5	Pass			
					3.85	0.129	0.0002	-2.5 to 2.5	Pass			
					4.43	-3.748	-0.0045	-2.5 to 2.5	Pass			
				-30	3.85	-4.706	-0.0056	-2.5 to 2.5	Pass			
				-20	3.85	-3.991	-0.0048	-2.5 to 2.5	Pass			
				-10	3.85	-7.010	-0.0084	-2.5 to 2.5	Pass			
				0	3.85	-7.396	-0.0088	-2.5 to 2.5	Pass			
				10	3.85	-5.336	-0.0064	-2.5 to 2.5	Pass			
				30	3.85	-6.523	-0.0078	-2.5 to 2.5	Pass			
				40	3.85	-5.622	-0.0067	-2.5 to 2.5	Pass			
				50	3.85	-2.160	-0.0026	-2.5 to 2.5	Pass			
				848.3	6	0	20	3.27	-13.690	-0.0161	-2.5 to 2.5	Pass
								3.85	-4.091	-0.0048	-2.5 to 2.5	Pass
								4.43	-6.595	-0.0078	-2.5 to 2.5	Pass
	-30	3.85	-5.136				-0.0061	-2.5 to 2.5	Pass			
	-20	3.85	-10.557				-0.0124	-2.5 to 2.5	Pass			
	-10	3.85	-7.896				-0.0093	-2.5 to 2.5	Pass			
	0	3.85	-8.154				-0.0096	-2.5 to 2.5	Pass			
	10	3.85	-12.145				-0.0143	-2.5 to 2.5	Pass			
30	3.85	-3.905	-0.0046				-2.5 to 2.5	Pass				
40	3.85	-6.065	-0.0071				-2.5 to 2.5	Pass				
50	3.85	-5.107	-0.0060				-2.5 to 2.5	Pass				
16QAM	824.7	6	0	20	3.27	-7.296	-0.0088	-2.5 to 2.5	Pass			
					3.85	-9.713	-0.0118	-2.5 to 2.5	Pass			
					4.43	-7.224	-0.0088	-2.5 to 2.5	Pass			
				-30	3.85	1.416	0.0017	-2.5 to 2.5	Pass			
				-20	3.85	-4.478	-0.0054	-2.5 to 2.5	Pass			
				-10	3.85	-5.450	-0.0066	-2.5 to 2.5	Pass			
				0	3.85	-7.410	-0.0090	-2.5 to 2.5	Pass			
				10	3.85	-4.220	-0.0051	-2.5 to 2.5	Pass			
				30	3.85	-7.339	-0.0089	-2.5 to 2.5	Pass			
				40	3.85	-8.168	-0.0099	-2.5 to 2.5	Pass			
				50	3.85	-8.669	-0.0105	-2.5 to 2.5	Pass			
				836.5	6	0	20	3.27	-6.208	-0.0074	-2.5 to 2.5	Pass
								3.85	-5.121	-0.0061	-2.5 to 2.5	Pass
								4.43	-4.778	-0.0057	-2.5 to 2.5	Pass
	-30	3.85	-8.984				-0.0107	-2.5 to 2.5	Pass			
	-20	3.85	-12.159				-0.0145	-2.5 to 2.5	Pass			
	-10	3.85	-7.324				-0.0088	-2.5 to 2.5	Pass			
	0	3.85	-10.486				-0.0125	-2.5 to 2.5	Pass			
	10	3.85	-7.267				-0.0087	-2.5 to 2.5	Pass			
	30	3.85	-6.051				-0.0072	-2.5 to 2.5	Pass			
	40	3.85	-7.353				-0.0088	-2.5 to 2.5	Pass			
	50	3.85	-6.881				-0.0082	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.27	-10.242	-0.0121	-2.5 to 2.5	Pass			
					3.85	-7.195	-0.0085	-2.5 to 2.5	Pass			
					4.43	-1.516	-0.0018	-2.5 to 2.5	Pass			
				-30	3.85	-3.762	-0.0044	-2.5 to 2.5	Pass			
	-20	3.85	-5.565	-0.0066	-2.5 to 2.5	Pass						

				-10	3.85	-7.439	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-4.020	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-4.635	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-7.281	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-6.080	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-2.775	-0.0033	-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	-1.802	-0.0022	-2.5 to 2.5	Pass
					3.85	-3.963	-0.0048	-2.5 to 2.5	Pass
					4.43	-4.892	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-5.779	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-3.247	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-6.266	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-8.125	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-2.589	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-3.548	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-7.124	-0.0086	-2.5 to 2.5	Pass
	50	3.85	0.558	0.0007	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	-1.788	-0.0021	-2.5 to 2.5	Pass
					3.85	-5.150	-0.0062	-2.5 to 2.5	Pass
					4.43	-4.406	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-6.051	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-6.881	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-4.864	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-6.709	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-7.124	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-4.091	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-5.765	-0.0069	-2.5 to 2.5	Pass
	50	3.85	-11.330	-0.0135	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-2.489	-0.0029	-2.5 to 2.5	Pass
					3.85	-7.625	-0.0090	-2.5 to 2.5	Pass
					4.43	-7.281	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-5.093	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-5.951	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-9.041	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-3.862	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-6.208	-0.0073	-2.5 to 2.5	Pass
30				3.85	-7.925	-0.0094	-2.5 to 2.5	Pass	
40				3.85	0.100	0.0001	-2.5 to 2.5	Pass	
50	3.85	-8.426	-0.0099	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.27	-3.505	-0.0042	-2.5 to 2.5	Pass
					3.85	-3.805	-0.0046	-2.5 to 2.5	Pass
					4.43	-4.349	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	0.887	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-9.928	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-6.595	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
10	3.85	-3.276	-0.0040	-2.5 to 2.5	Pass				

	836.5	15	0	30	3.85	-8.569	-0.0104	-2.5 to 2.5	Pass
				40	3.85	-11.587	-0.0140	-2.5 to 2.5	Pass
				50	3.85	-4.506	-0.0055	-2.5 to 2.5	Pass
				20	3.27	-7.968	-0.0095	-2.5 to 2.5	Pass
					3.85	-9.184	-0.0110	-2.5 to 2.5	Pass
					4.43	-7.768	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-7.052	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-5.679	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-7.911	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-10.843	-0.0130	-2.5 to 2.5	Pass
				30	3.85	-7.854	-0.0094	-2.5 to 2.5	Pass
	40	3.85	-4.106	-0.0049	-2.5 to 2.5	Pass			
	50	3.85	-12.417	-0.0148	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-7.825	-0.0092	-2.5 to 2.5	Pass
					3.85	-7.682	-0.0091	-2.5 to 2.5	Pass
					4.43	-4.406	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-3.319	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-6.337	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-1.388	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-4.864	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-4.635	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-4.606	-0.0054	-2.5 to 2.5	Pass
50				3.85	1.259	0.0015	-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	-1.402	-0.0017	-2.5 to 2.5	Pass
					3.85	-5.178	-0.0063	-2.5 to 2.5	Pass
					4.43	-7.524	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-9.985	-0.0121	-2.5 to 2.5	Pass
				-20	3.85	-4.048	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-5.794	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-5.307	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-7.668	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-4.864	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-9.012	-0.0109	-2.5 to 2.5	Pass
				50	3.85	-3.963	-0.0048	-2.5 to 2.5	Pass
				836.5	25	0	20	3.27	-4.706
	3.85	-13.289	-0.0159					-2.5 to 2.5	Pass
	4.43	-3.119	-0.0037					-2.5 to 2.5	Pass
	-30	3.85	0.372				0.0004	-2.5 to 2.5	Pass
	-20	3.85	-3.490				-0.0042	-2.5 to 2.5	Pass
	-10	3.85	-2.832				-0.0034	-2.5 to 2.5	Pass
	0	3.85	-6.738				-0.0081	-2.5 to 2.5	Pass
	10	3.85	-0.401				-0.0005	-2.5 to 2.5	Pass
	30	3.85	-3.934				-0.0047	-2.5 to 2.5	Pass
	40	3.85	-5.736				-0.0069	-2.5 to 2.5	Pass
	50	3.85	-5.565				-0.0067	-2.5 to 2.5	Pass

	846.5	25	0	20	3.27	-4.935	-0.0058	-2.5 to 2.5	Pass	
					3.85	-1.874	-0.0022	-2.5 to 2.5	Pass	
					4.43	-7.381	-0.0087	-2.5 to 2.5	Pass	
				-30	3.85	-6.452	-0.0076	-2.5 to 2.5	Pass	
					-20	3.85	-4.778	-0.0056	-2.5 to 2.5	Pass
						-10	3.85	-9.627	-0.0114	-2.5 to 2.5
				0	3.85	-6.237	-0.0074	-2.5 to 2.5	Pass	
					10	3.85	-7.396	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-2.832	-0.0033	-2.5 to 2.5	Pass	
40	3.85	-8.726	-0.0103	-2.5 to 2.5	Pass					
50	3.85	-7.811	-0.0092	-2.5 to 2.5	Pass					
16QAM	826.5	25	0	20	3.27	-5.836	-0.0071	-2.5 to 2.5	Pass	
					3.85	-7.710	-0.0093	-2.5 to 2.5	Pass	
					4.43	-3.505	-0.0042	-2.5 to 2.5	Pass	
				-30	3.85	-7.896	-0.0096	-2.5 to 2.5	Pass	
					-20	3.85	-6.709	-0.0081	-2.5 to 2.5	Pass
						-10	3.85	-5.708	-0.0069	-2.5 to 2.5
				0	3.85	-7.596	-0.0092	-2.5 to 2.5	Pass	
					10	3.85	-9.198	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-5.336	-0.0065	-2.5 to 2.5	Pass	
	40	3.85	-8.054	-0.0097	-2.5 to 2.5	Pass				
	50	3.85	-9.642	-0.0117	-2.5 to 2.5	Pass				
	836.5	25	0	20	3.27	-3.276	-0.0039	-2.5 to 2.5	Pass	
					3.85	-5.565	-0.0067	-2.5 to 2.5	Pass	
					4.43	-6.824	-0.0082	-2.5 to 2.5	Pass	
				-30	3.85	-6.480	-0.0077	-2.5 to 2.5	Pass	
					-20	3.85	-3.633	-0.0043	-2.5 to 2.5	Pass
						-10	3.85	-4.878	-0.0058	-2.5 to 2.5
				0	3.85	-5.164	-0.0062	-2.5 to 2.5	Pass	
					10	3.85	-8.111	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-2.046	-0.0024	-2.5 to 2.5	Pass	
	40	3.85	-7.524	-0.0090	-2.5 to 2.5	Pass				
	50	3.85	-3.090	-0.0037	-2.5 to 2.5	Pass				
	846.5	25	0	20	3.27	-8.411	-0.0099	-2.5 to 2.5	Pass	
					3.85	-8.683	-0.0103	-2.5 to 2.5	Pass	
4.43					-11.115	-0.0131	-2.5 to 2.5	Pass		
-30				3.85	-8.826	-0.0104	-2.5 to 2.5	Pass		
				-20	3.85	-5.436	-0.0064	-2.5 to 2.5	Pass	
					-10	3.85	-2.489	-0.0029	-2.5 to 2.5	Pass
0				3.85	-9.570	-0.0113	-2.5 to 2.5	Pass		
				10	3.85	-7.124	-0.0084	-2.5 to 2.5	Pass	
30				3.85	-6.752	-0.0080	-2.5 to 2.5	Pass		
40	3.85	-5.536	-0.0065	-2.5 to 2.5	Pass					
50	3.85	-3.719	-0.0044	-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	-5.994	-0.0072	-2.5 to 2.5	Pass
						3.85	-5.722	-0.0069	-2.5 to 2.5	Pass
						4.43	-3.133	-0.0038	-2.5 to 2.5	Pass

				-30	3.85	-6.938	-0.0084	-2.5 to 2.5	Pass			
				-20	3.85	-3.662	-0.0044	-2.5 to 2.5	Pass			
				-10	3.85	-4.621	-0.0056	-2.5 to 2.5	Pass			
				0	3.85	-3.505	-0.0042	-2.5 to 2.5	Pass			
				10	3.85	-4.849	-0.0058	-2.5 to 2.5	Pass			
				30	3.85	-8.626	-0.0104	-2.5 to 2.5	Pass			
				40	3.85	-6.223	-0.0075	-2.5 to 2.5	Pass			
	50	3.85	-6.709	-0.0081	-2.5 to 2.5	Pass						
	836.5	50	0	20	3.27	-4.077	-0.0049	-2.5 to 2.5	Pass			
					3.85	-7.524	-0.0090	-2.5 to 2.5	Pass			
					4.43	-6.824	-0.0082	-2.5 to 2.5	Pass			
				-30	3.85	-6.795	-0.0081	-2.5 to 2.5	Pass			
				-20	3.85	-4.063	-0.0049	-2.5 to 2.5	Pass			
				-10	3.85	-6.194	-0.0074	-2.5 to 2.5	Pass			
				0	3.85	-7.739	-0.0093	-2.5 to 2.5	Pass			
				10	3.85	-6.409	-0.0077	-2.5 to 2.5	Pass			
				30	3.85	-4.964	-0.0059	-2.5 to 2.5	Pass			
				40	3.85	-5.693	-0.0068	-2.5 to 2.5	Pass			
				50	3.85	-7.167	-0.0086	-2.5 to 2.5	Pass			
				844	50	0	20	3.27	-8.340	-0.0099	-2.5 to 2.5	Pass
								3.85	-6.151	-0.0073	-2.5 to 2.5	Pass
								4.43	-7.610	-0.0090	-2.5 to 2.5	Pass
	-30	3.85	-7.739				-0.0092	-2.5 to 2.5	Pass			
	-20	3.85	-8.311				-0.0098	-2.5 to 2.5	Pass			
	-10	3.85	-8.569				-0.0102	-2.5 to 2.5	Pass			
	0	3.85	-5.078				-0.0060	-2.5 to 2.5	Pass			
	10	3.85	-6.838				-0.0081	-2.5 to 2.5	Pass			
30	3.85	-8.068	-0.0096				-2.5 to 2.5	Pass				
40	3.85	-7.381	-0.0087				-2.5 to 2.5	Pass				
50	3.85	-8.869	-0.0105				-2.5 to 2.5	Pass				
16QAM	829	50	0	20	3.27	-6.180	-0.0075	-2.5 to 2.5	Pass			
					3.85	-7.939	-0.0096	-2.5 to 2.5	Pass			
					4.43	-4.678	-0.0056	-2.5 to 2.5	Pass			
				-30	3.85	-6.251	-0.0075	-2.5 to 2.5	Pass			
				-20	3.85	-6.466	-0.0078	-2.5 to 2.5	Pass			
				-10	3.85	-5.407	-0.0065	-2.5 to 2.5	Pass			
				0	3.85	-5.779	-0.0070	-2.5 to 2.5	Pass			
				10	3.85	-5.493	-0.0066	-2.5 to 2.5	Pass			
				30	3.85	-9.098	-0.0110	-2.5 to 2.5	Pass			
				40	3.85	-5.350	-0.0065	-2.5 to 2.5	Pass			
				50	3.85	-6.695	-0.0081	-2.5 to 2.5	Pass			
				836.5	50	0	20	3.27	-3.562	-0.0043	-2.5 to 2.5	Pass
								3.85	-4.621	-0.0055	-2.5 to 2.5	Pass
								4.43	-4.091	-0.0049	-2.5 to 2.5	Pass
	-30	3.85	-5.994				-0.0072	-2.5 to 2.5	Pass			
	-20	3.85	-4.349				-0.0052	-2.5 to 2.5	Pass			
	-10	3.85	-2.604				-0.0031	-2.5 to 2.5	Pass			
	0	3.85	-5.035				-0.0060	-2.5 to 2.5	Pass			
	10	3.85	0.501				0.0006	-2.5 to 2.5	Pass			
	30	3.85	-3.462				-0.0041	-2.5 to 2.5	Pass			
	40	3.85	-2.775				-0.0033	-2.5 to 2.5	Pass			
	50	3.85	-3.819				-0.0046	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	-7.453	-0.0088	-2.5 to 2.5	Pass			
					3.85	-8.526	-0.0101	-2.5 to 2.5	Pass			
					4.43	-6.752	-0.0080	-2.5 to 2.5	Pass			
				-30	3.85	-7.896	-0.0094	-2.5 to 2.5	Pass			
				-20	3.85	-9.527	-0.0113	-2.5 to 2.5	Pass			

				-10	3.85	-6.280	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-6.580	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-6.909	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-4.563	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-3.834	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-7.467	-0.0088	-2.5 to 2.5	Pass

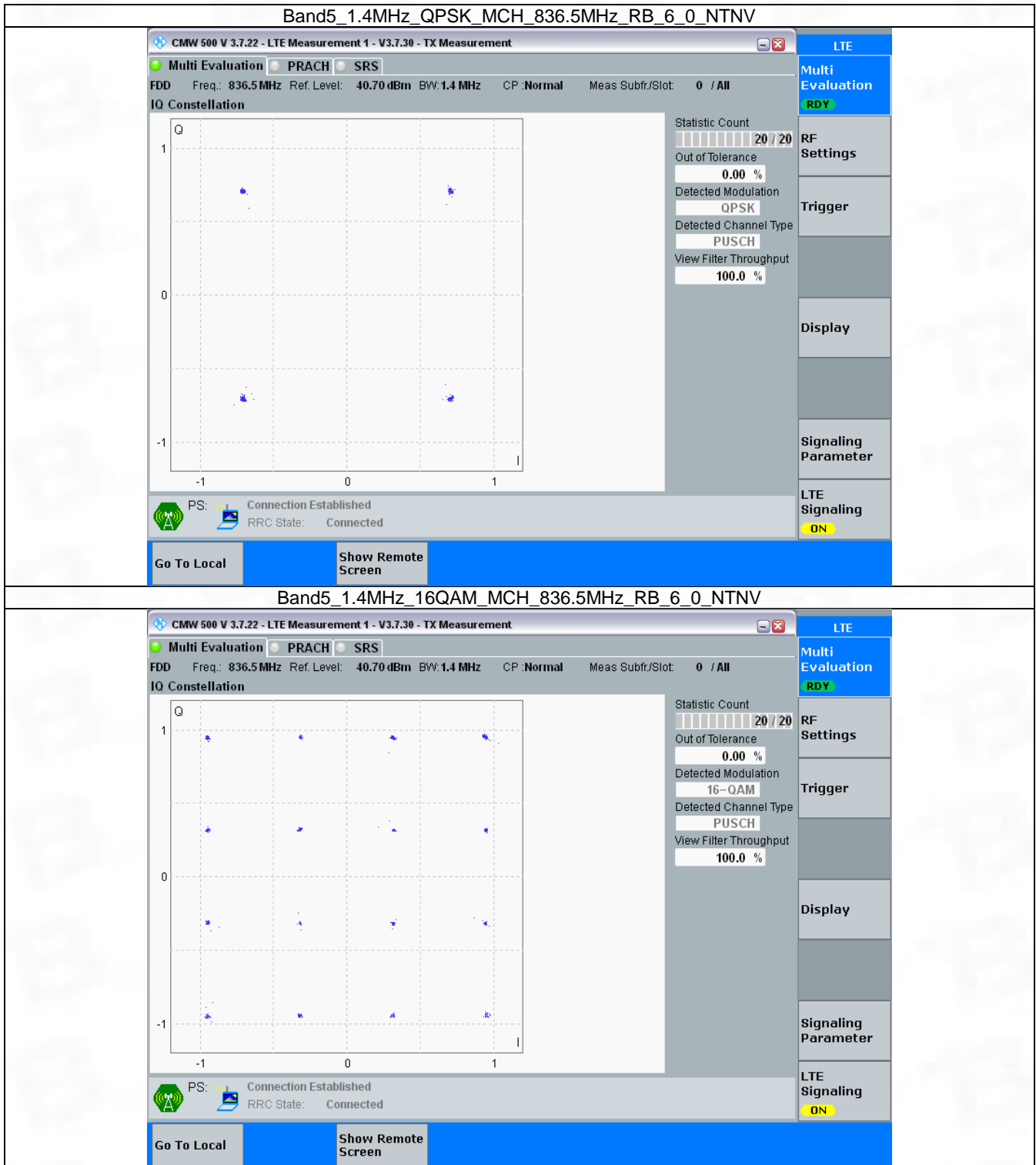
3. Modulation Characteristics

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

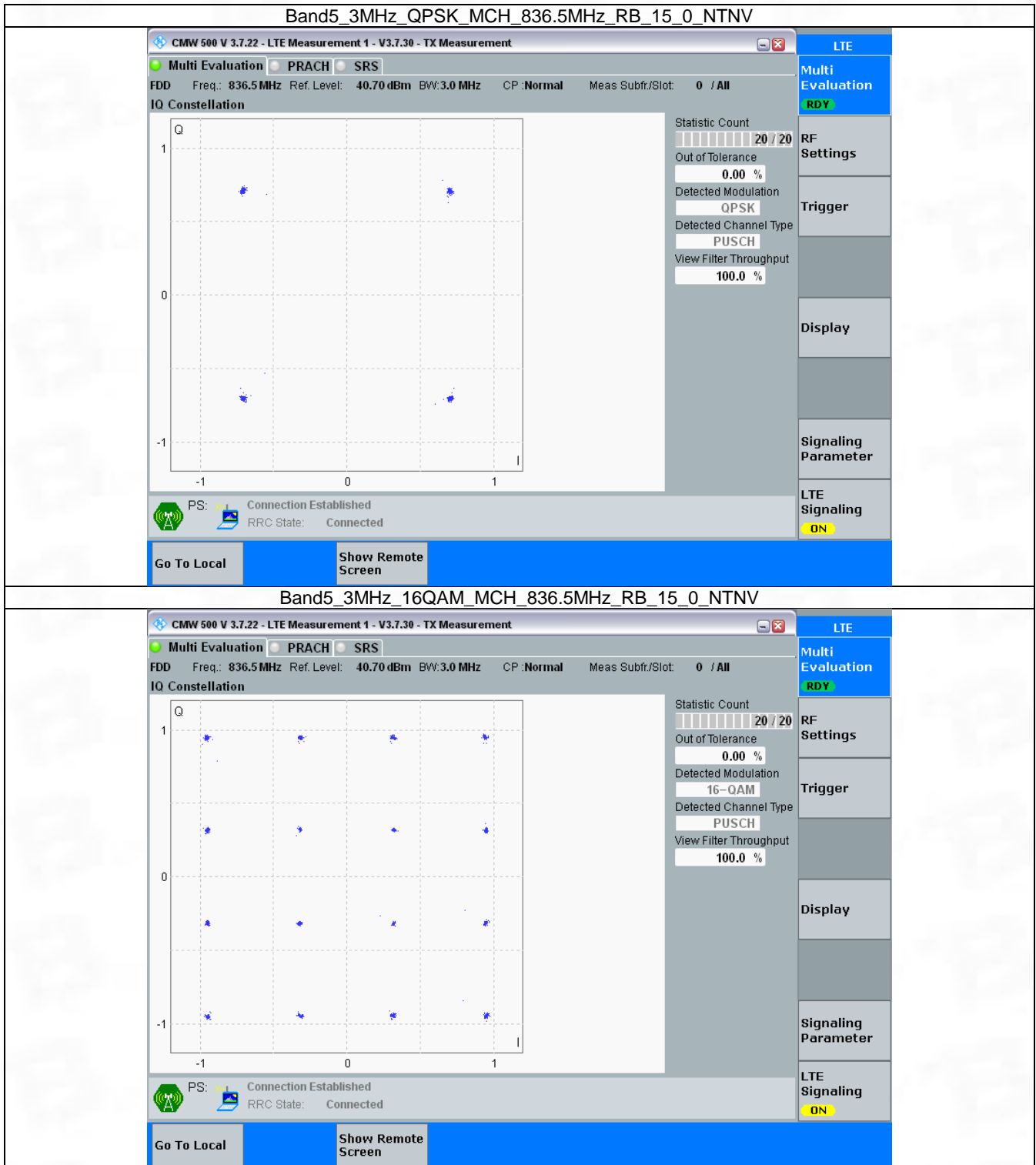


3.2 B5_3MHz

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

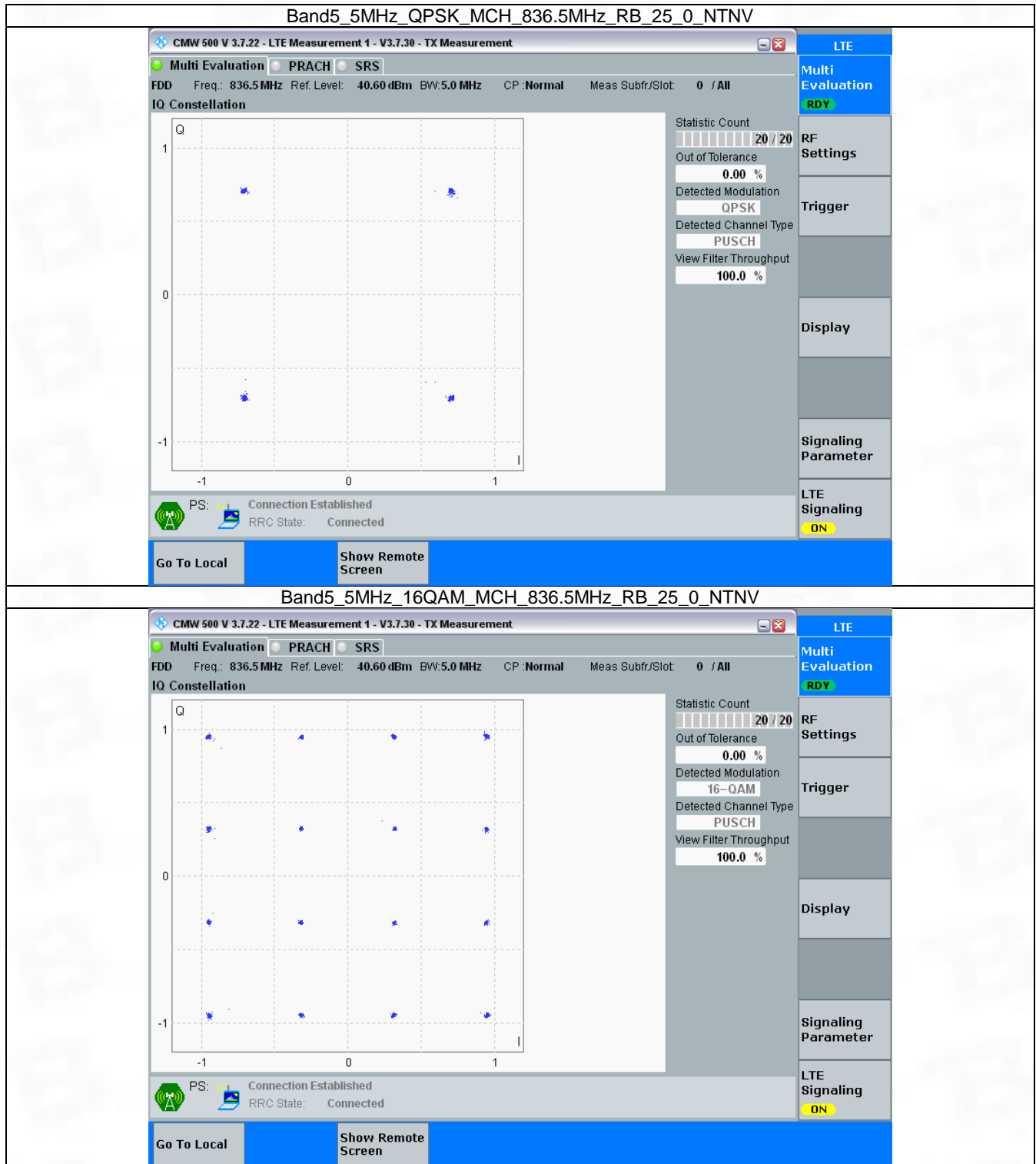


3.3 B5_5MHz

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

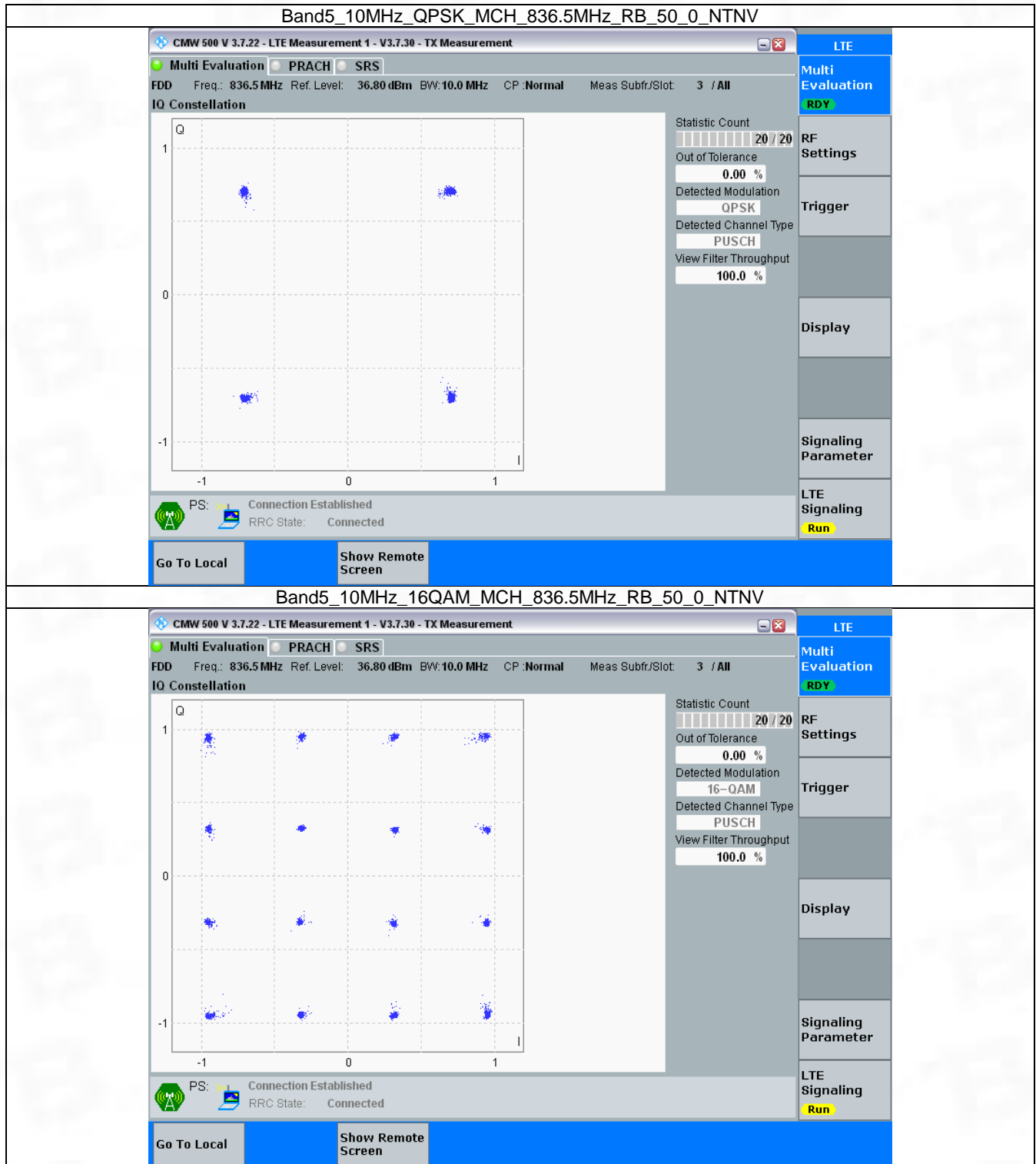


3.4 B5_10MHz

3.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTV						
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



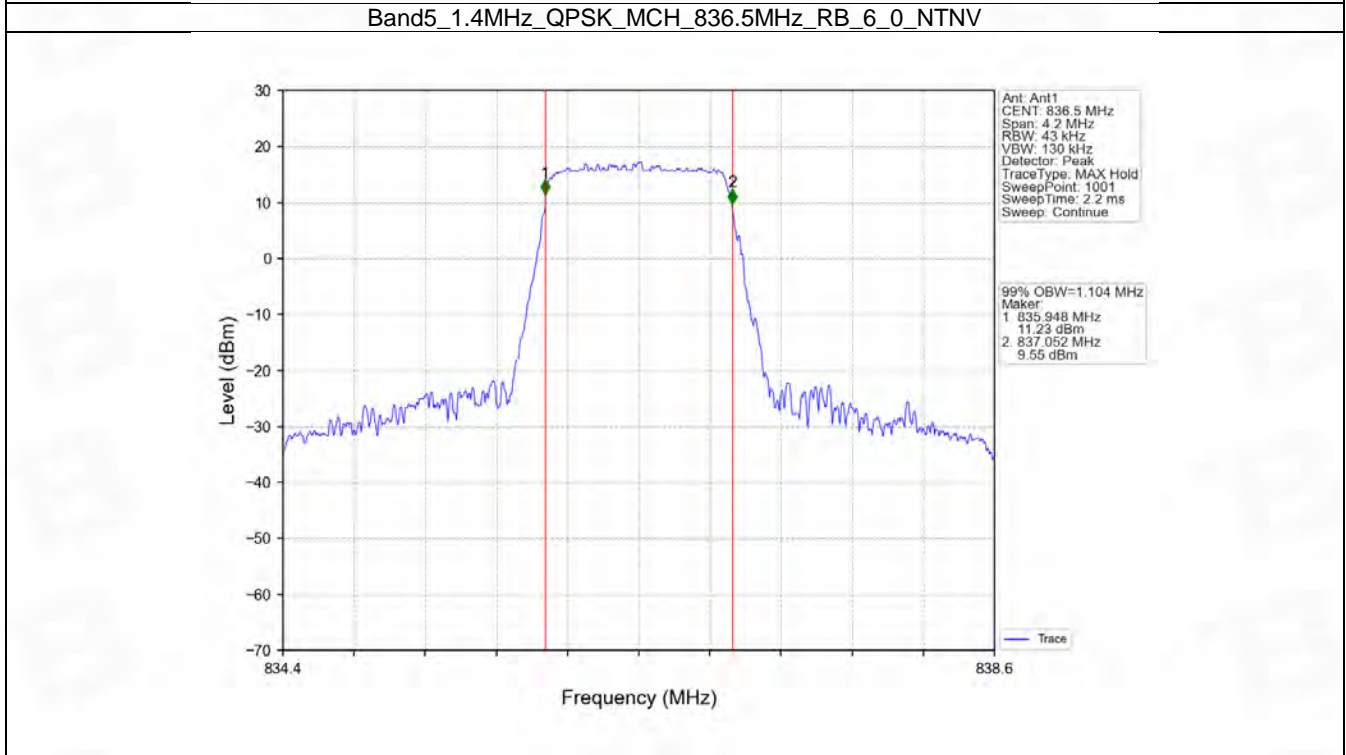
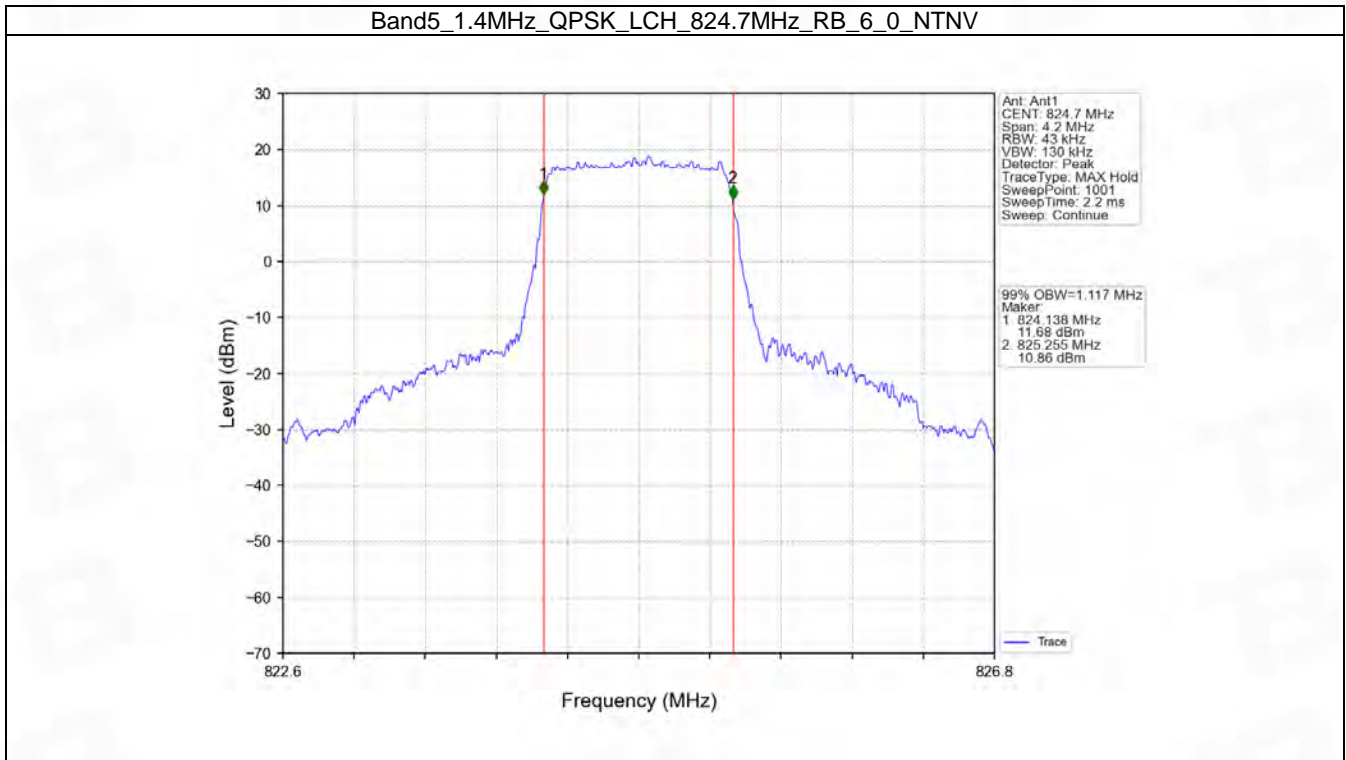
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

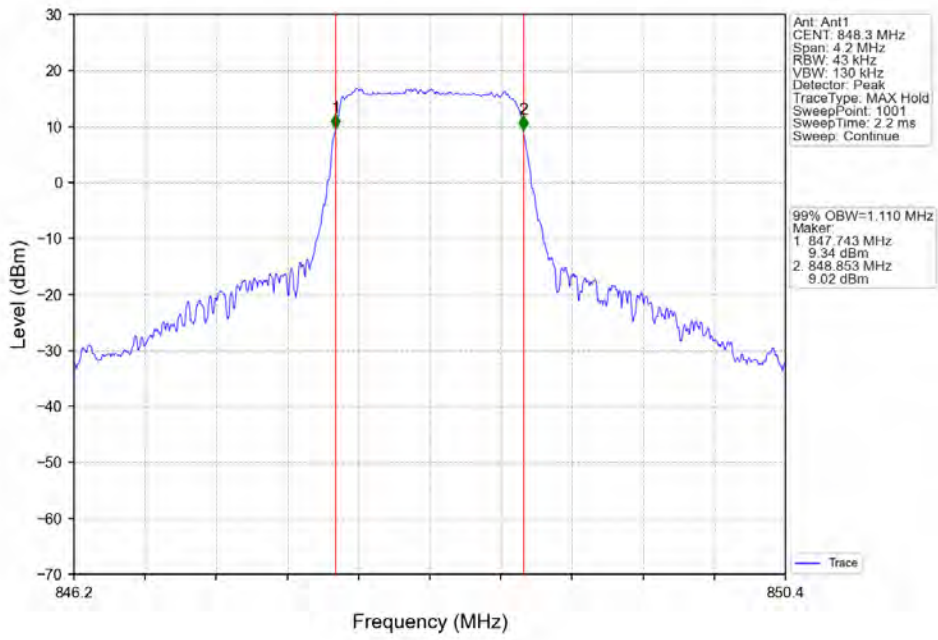
4.1.1 Test Result

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	1.117	/	Pass
		836.5	6	0	1.104	/	Pass
		848.3	6	0	1.110	/	Pass
	16QAM	824.7	6	0	1.107	/	Pass
		836.5	6	0	1.105	/	Pass
		848.3	6	0	1.113	/	Pass
3	QPSK	825.5	15	0	2.727	/	Pass
		836.5	15	0	2.732	/	Pass
		847.5	15	0	2.722	/	Pass
	16QAM	825.5	15	0	2.720	/	Pass
		836.5	15	0	2.725	/	Pass
		847.5	15	0	2.715	/	Pass
5	QPSK	826.5	25	0	4.571	/	Pass
		836.5	25	0	4.556	/	Pass
		846.5	25	0	4.581	/	Pass
	16QAM	826.5	25	0	4.564	/	Pass
		836.5	25	0	4.587	/	Pass
		846.5	25	0	4.552	/	Pass
10	QPSK	829	50	0	9.115	/	Pass
		836.5	50	0	9.070	/	Pass
		844	50	0	9.083	/	Pass
	16QAM	829	50	0	9.080	/	Pass
		836.5	50	0	9.043	/	Pass
		844	50	0	9.048	/	Pass

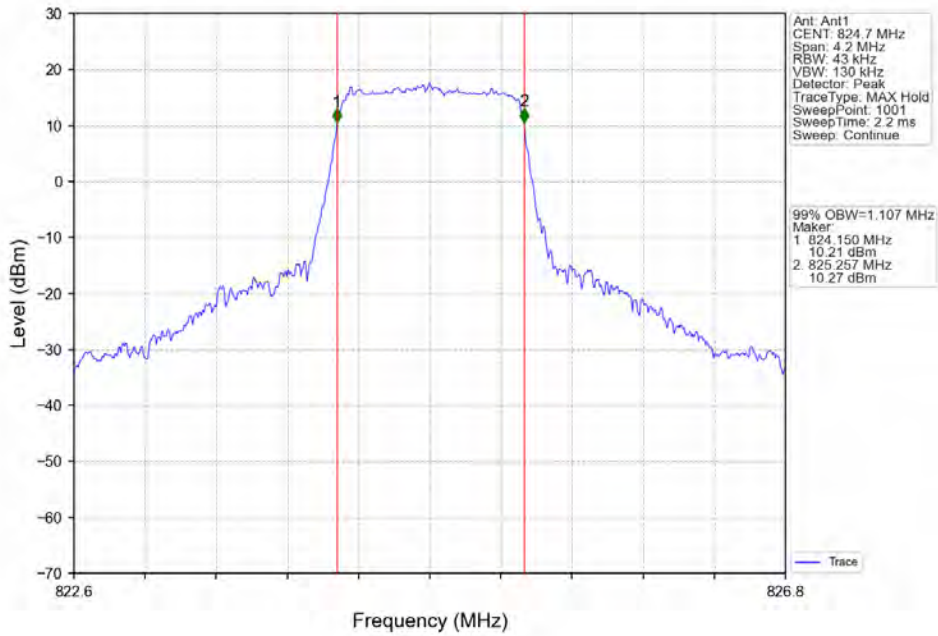
4.1.2 Test Graph



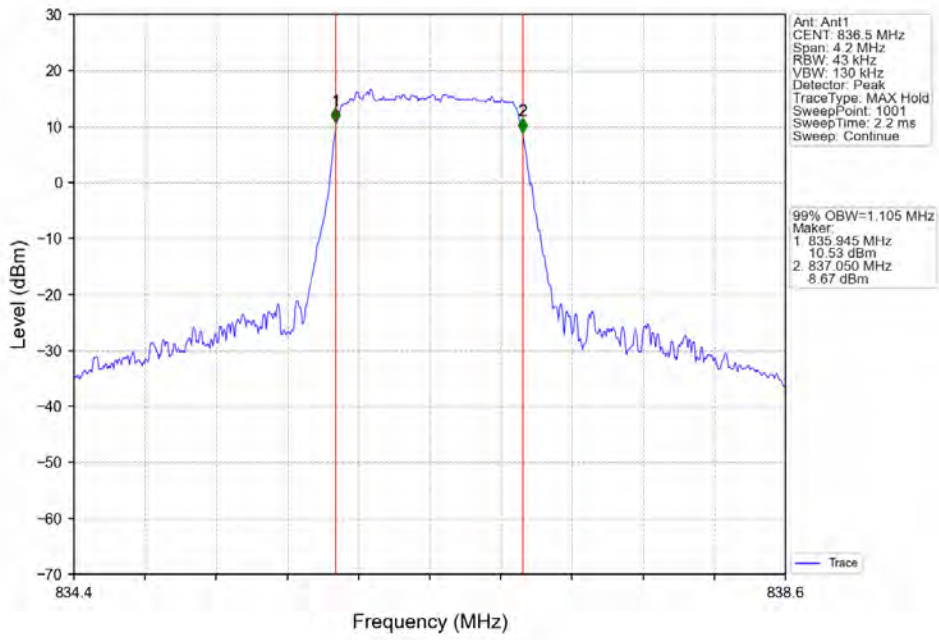
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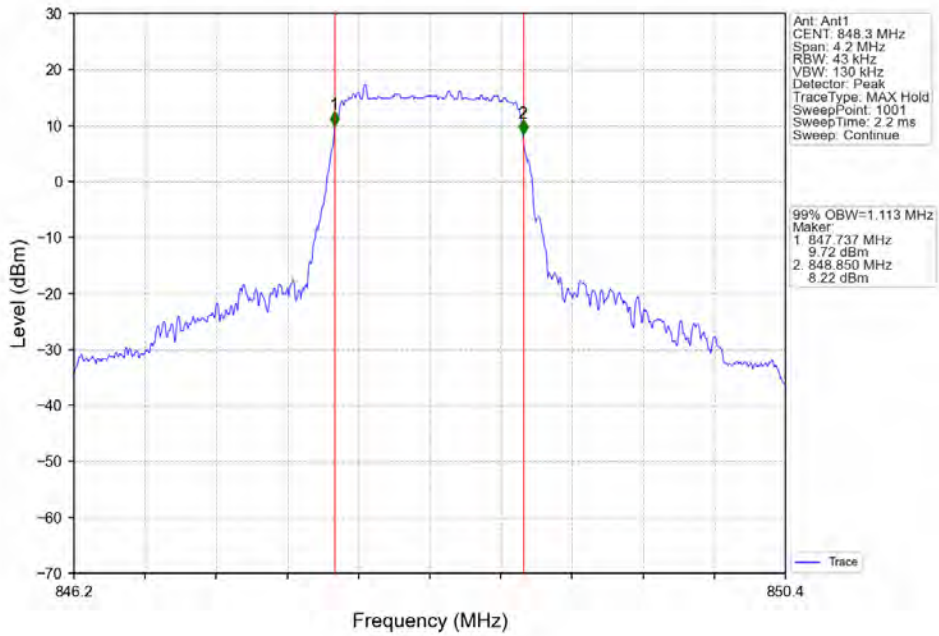
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



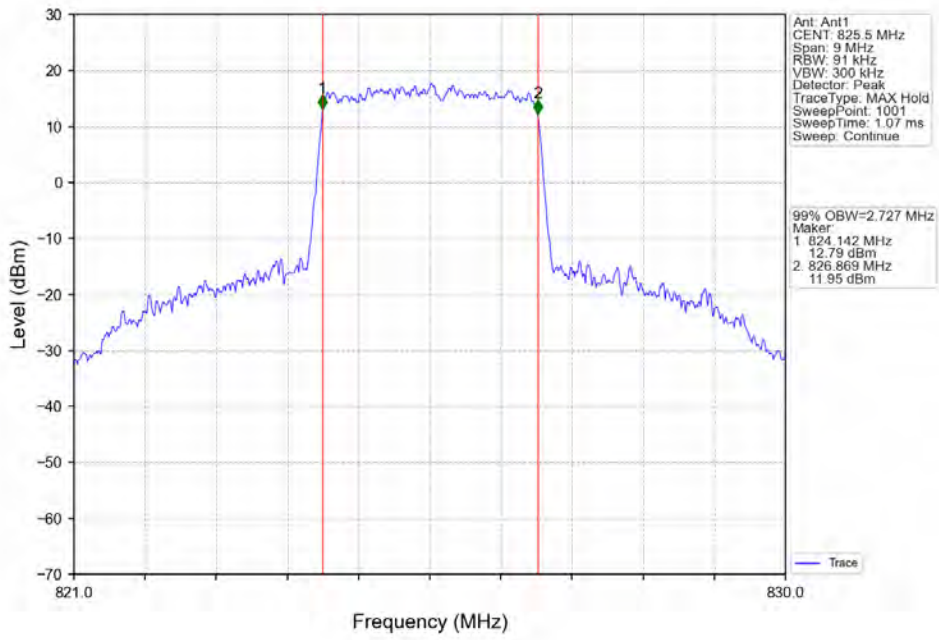
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



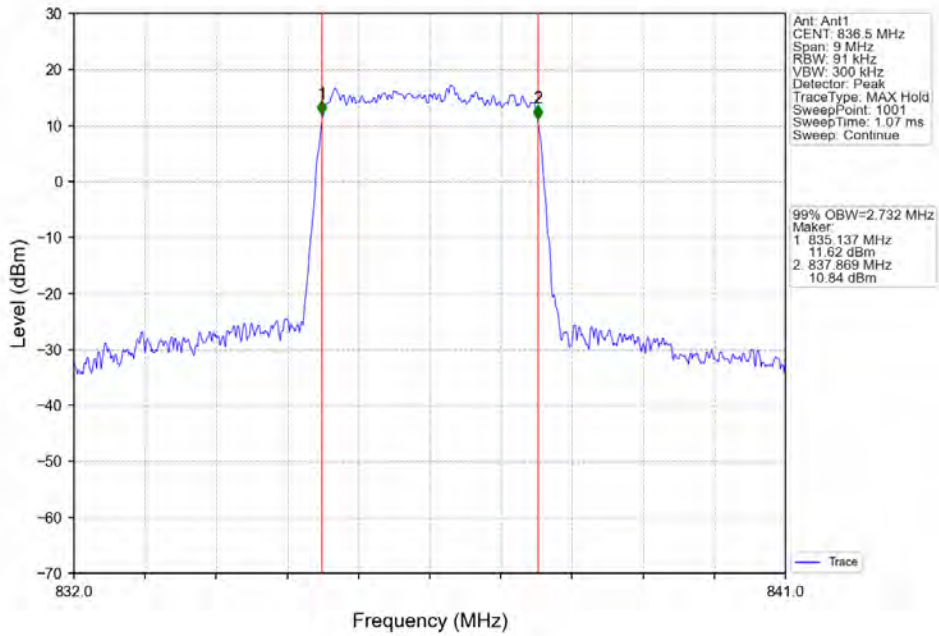
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



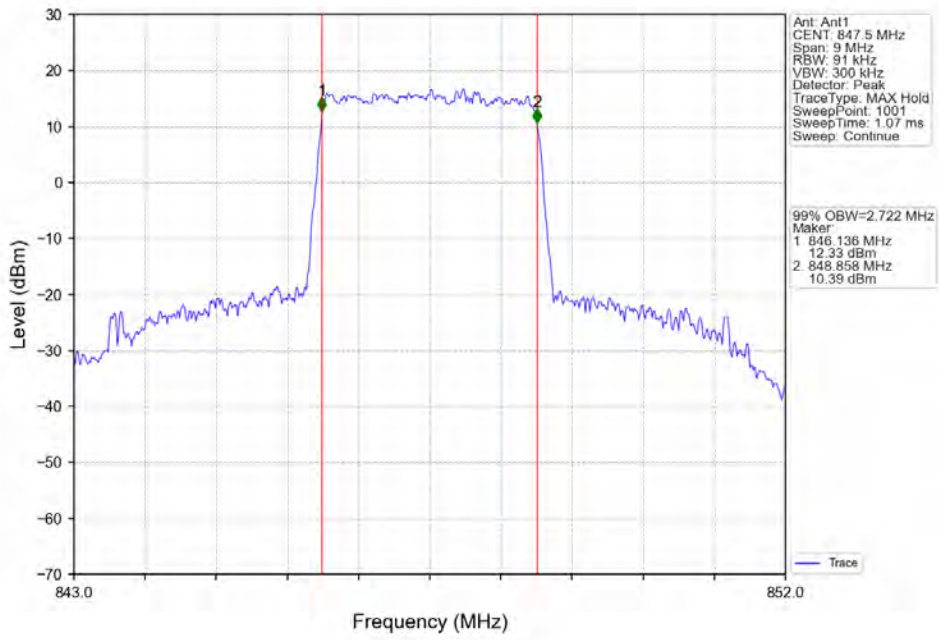
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



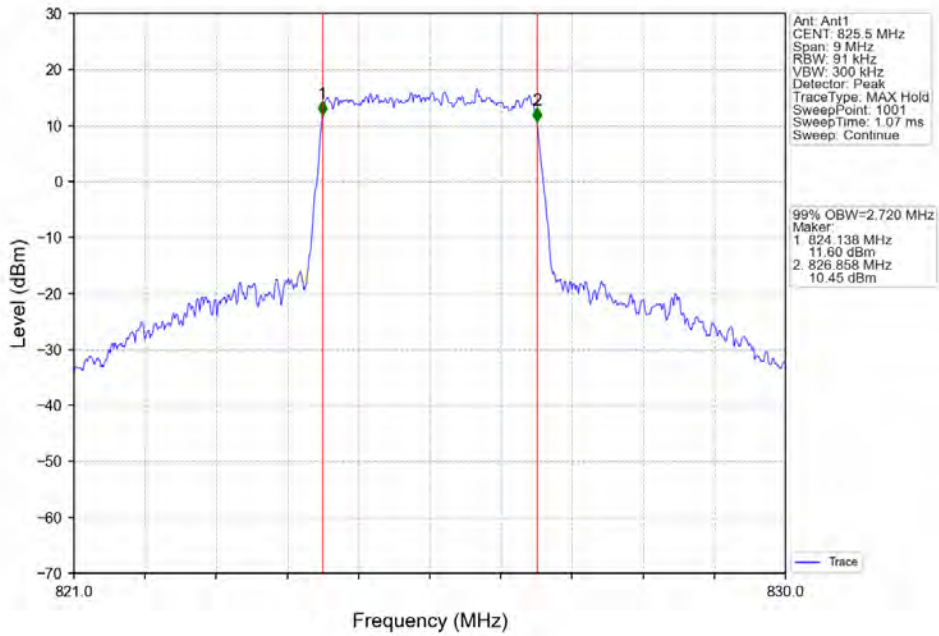
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



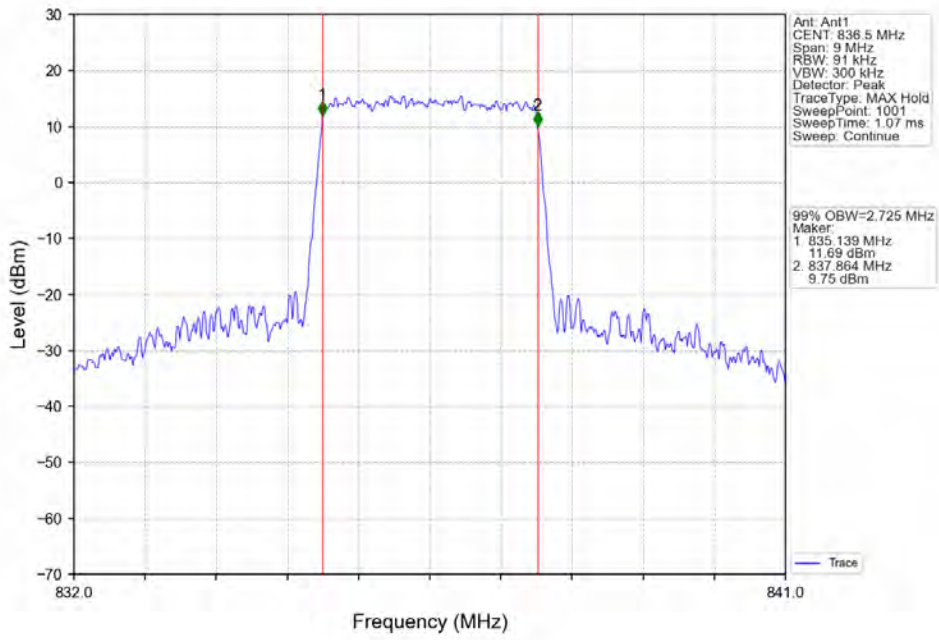
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



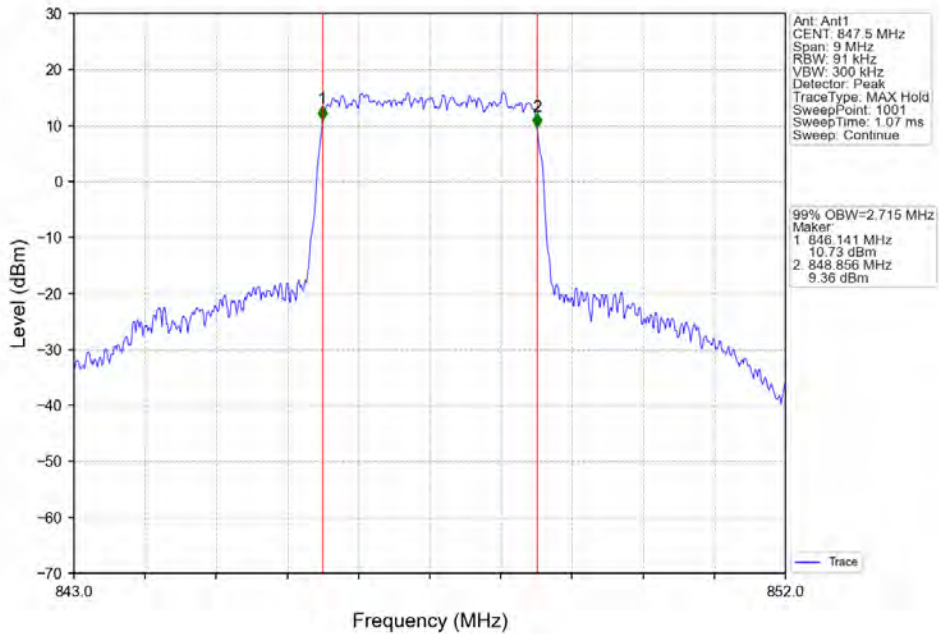
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



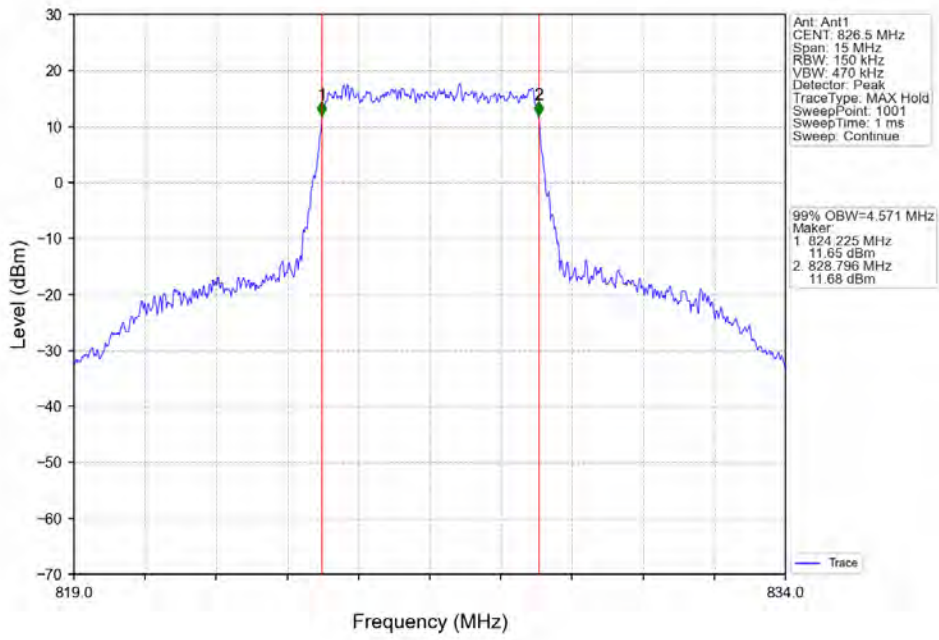
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



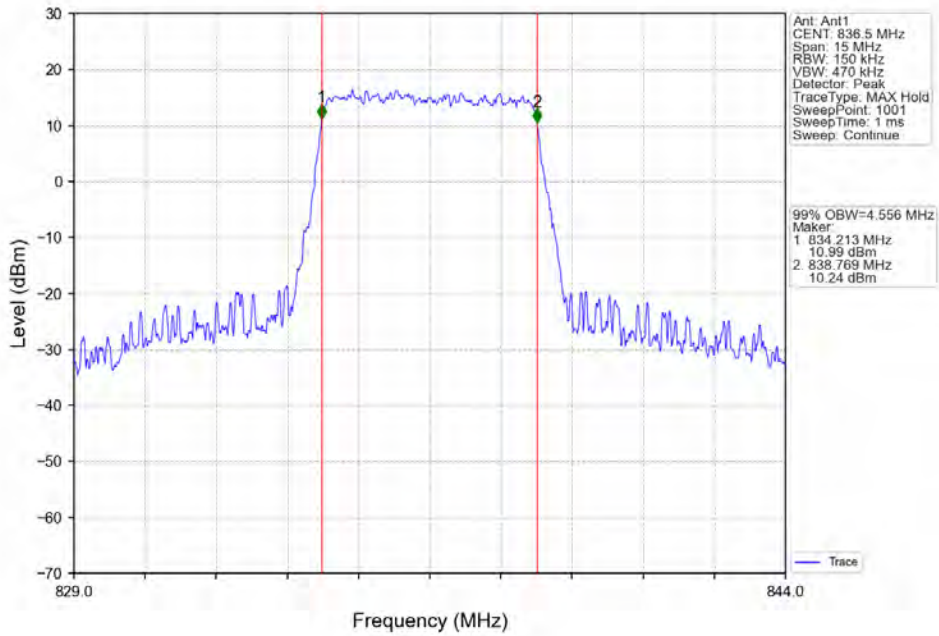
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



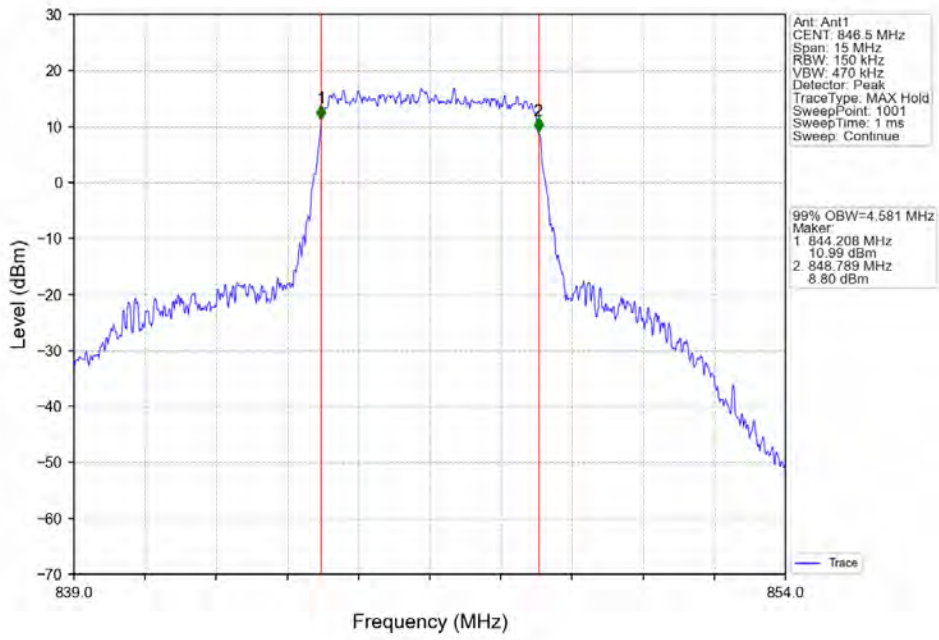
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



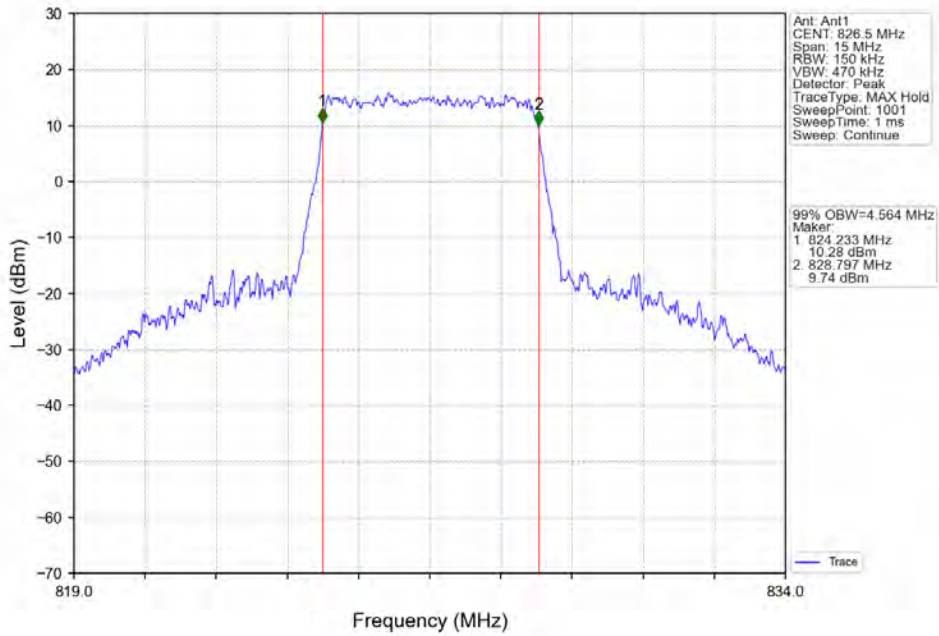
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



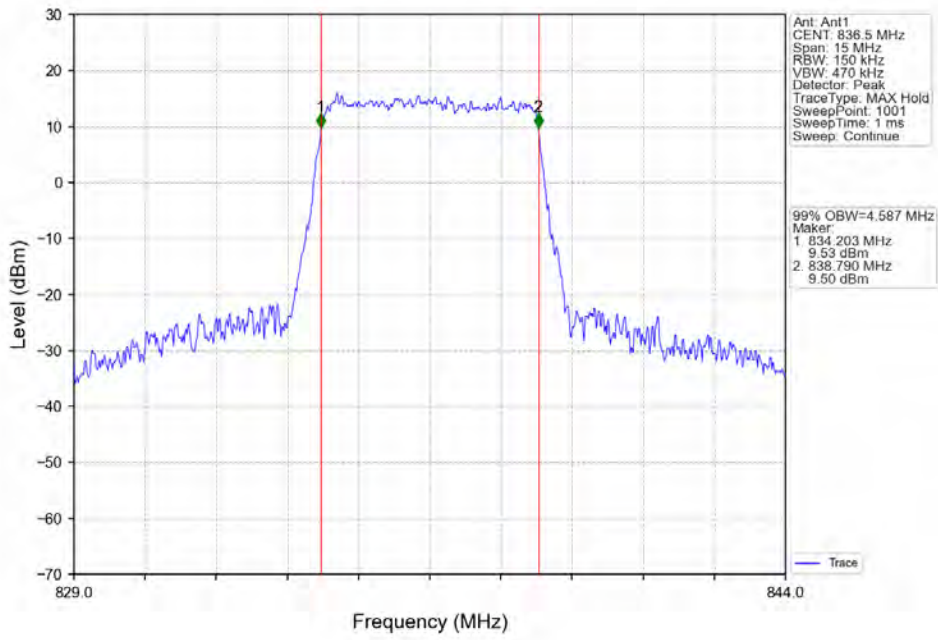
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



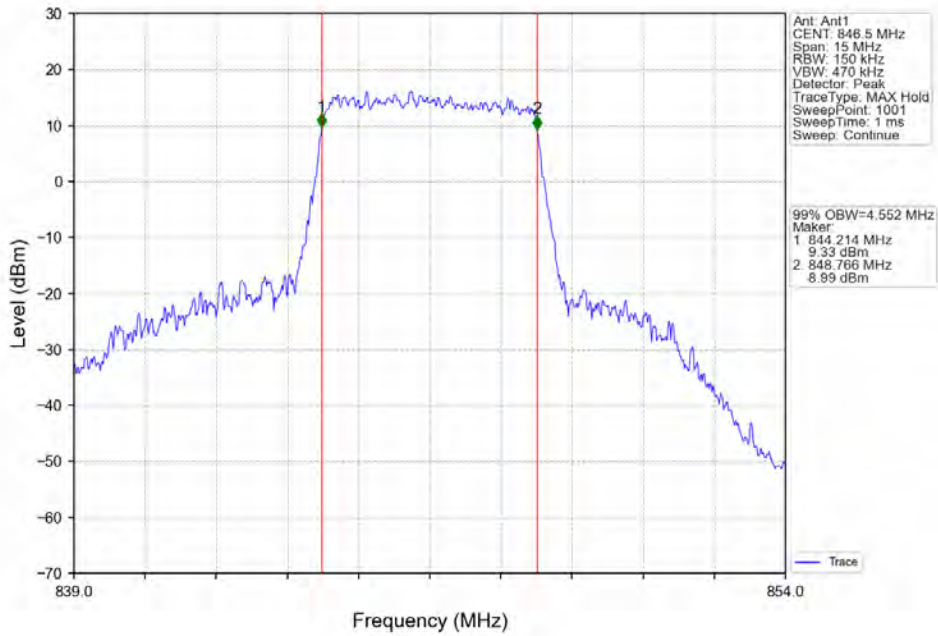
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



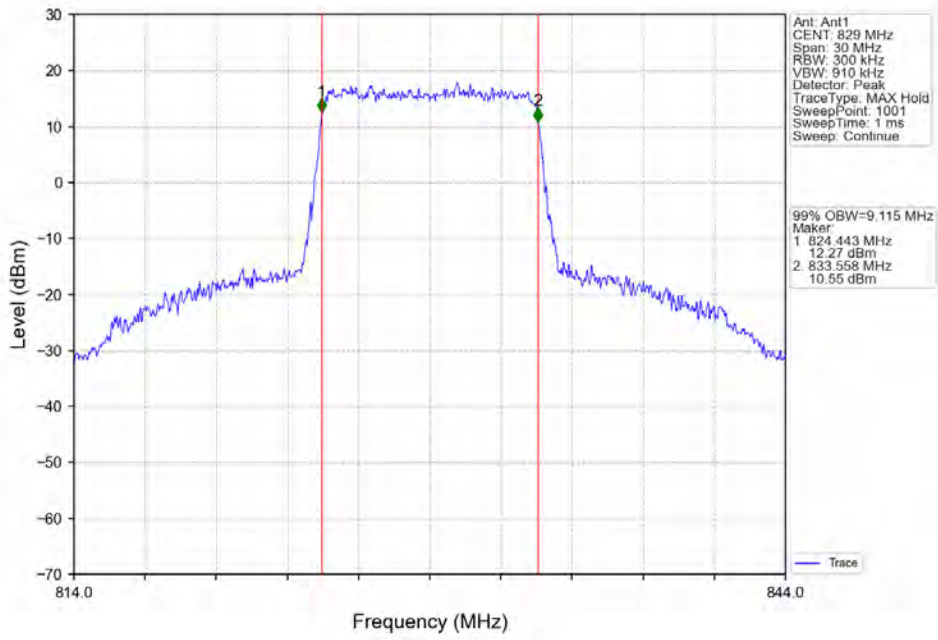
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



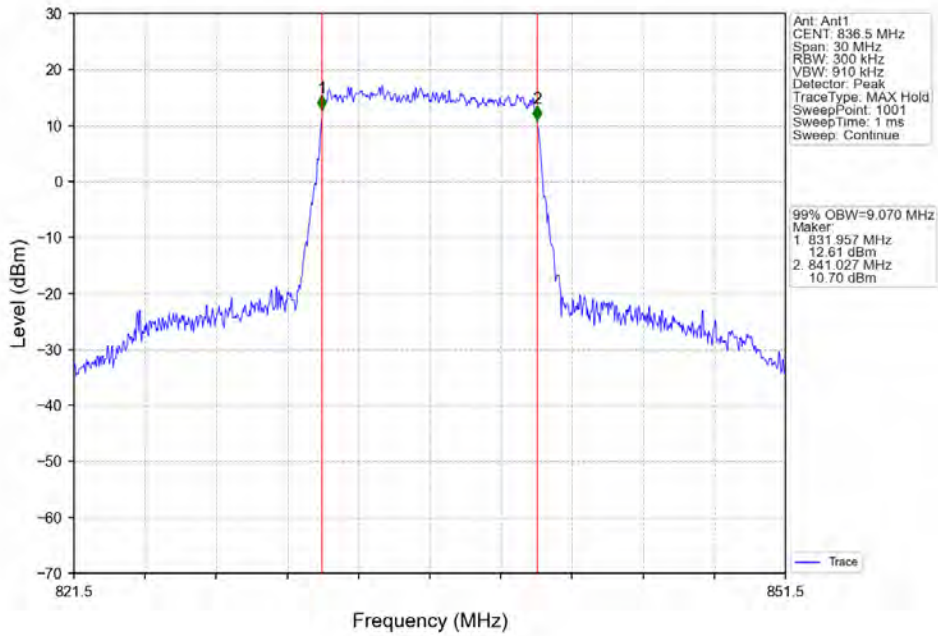
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



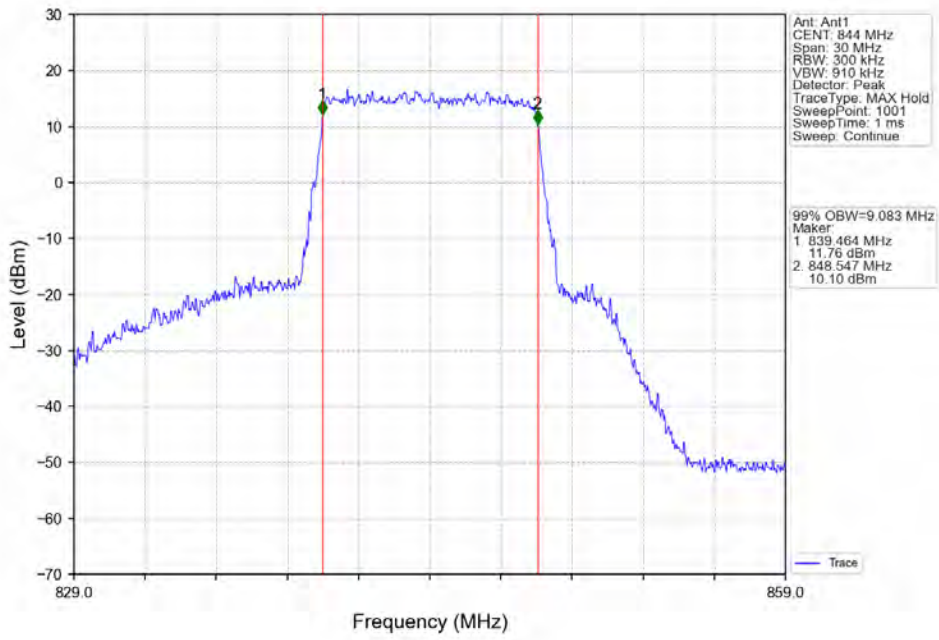
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



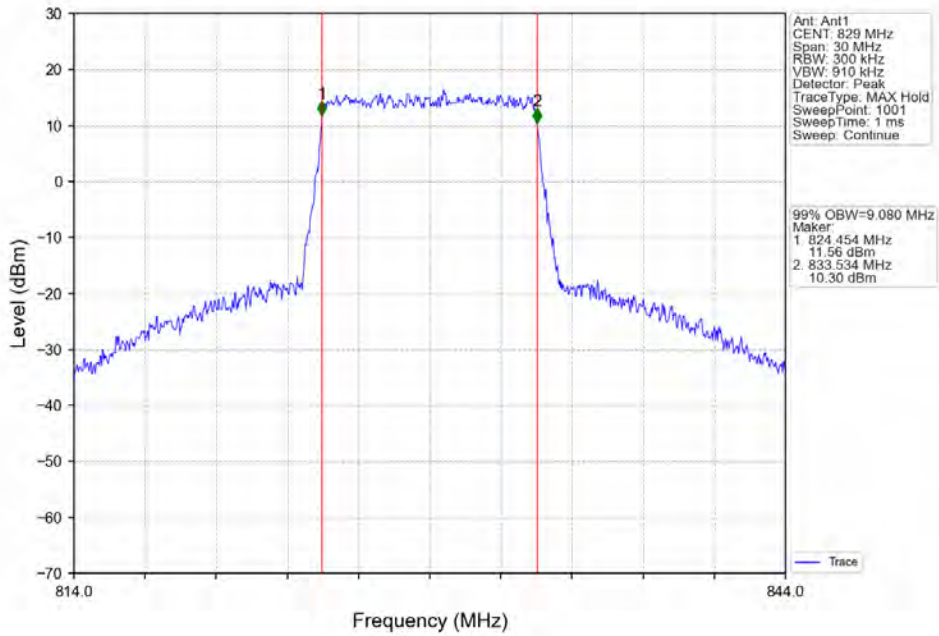
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



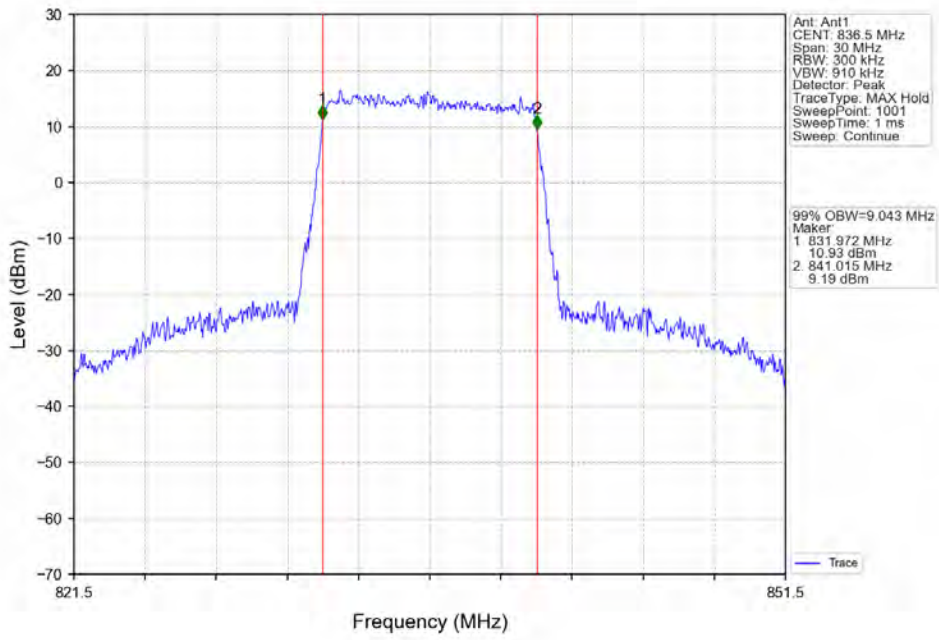
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



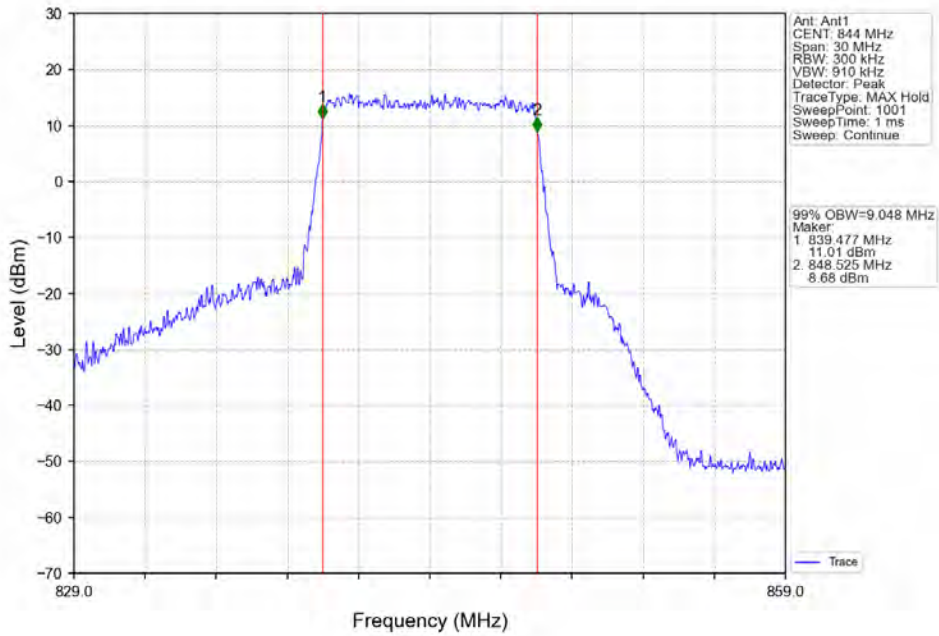
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

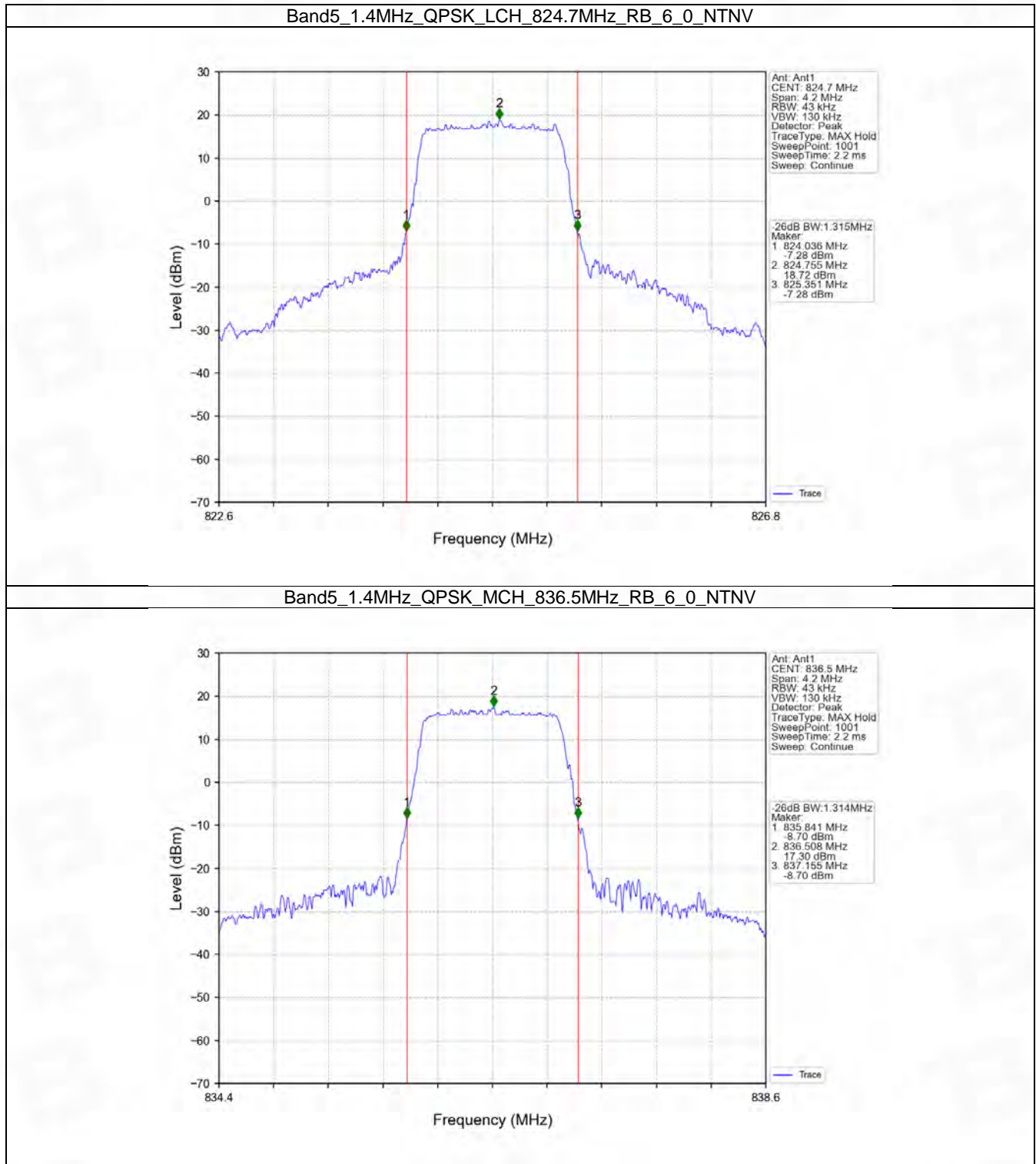


4.2 Band5_XDB

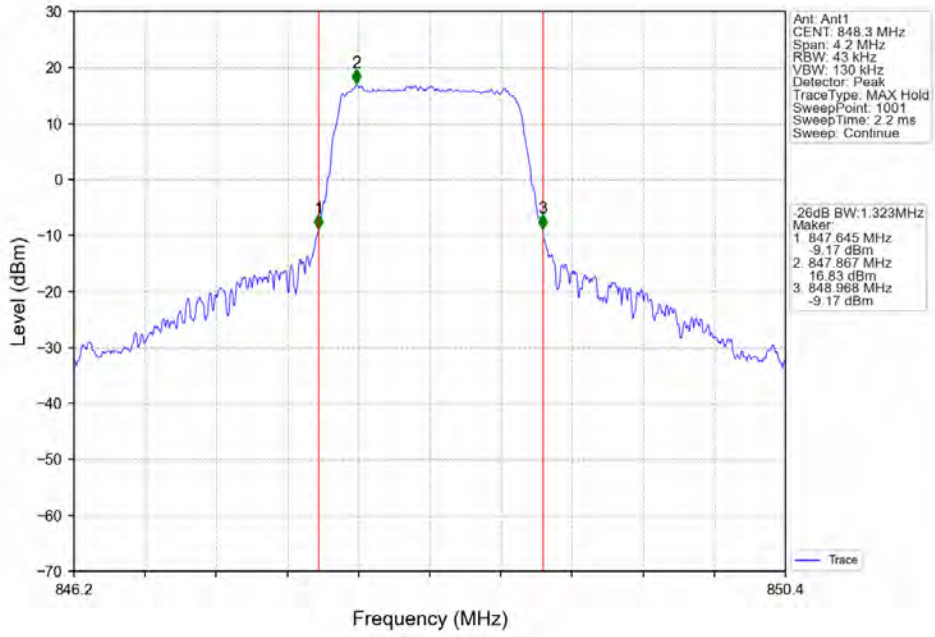
4.2.1 Test Result

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	1.315	/	Pass
		836.5	6	0	1.314	/	Pass
		848.3	6	0	1.323	/	Pass
	16QAM	824.7	6	0	1.339	/	Pass
		836.5	6	0	1.299	/	Pass
		848.3	6	0	1.332	/	Pass
3	QPSK	825.5	15	0	2.986	/	Pass
		836.5	15	0	2.983	/	Pass
		847.5	15	0	2.993	/	Pass
	16QAM	825.5	15	0	2.998	/	Pass
		836.5	15	0	2.995	/	Pass
		847.5	15	0	2.985	/	Pass
5	QPSK	826.5	25	0	5.288	/	Pass
		836.5	25	0	5.300	/	Pass
		846.5	25	0	5.248	/	Pass
	16QAM	826.5	25	0	5.328	/	Pass
		836.5	25	0	5.220	/	Pass
		846.5	25	0	5.208	/	Pass
10	QPSK	829	50	0	10.250	/	Pass
		836.5	50	0	10.174	/	Pass
		844	50	0	10.241	/	Pass
	16QAM	829	50	0	10.256	/	Pass
		836.5	50	0	10.123	/	Pass
		844	50	0	10.182	/	Pass

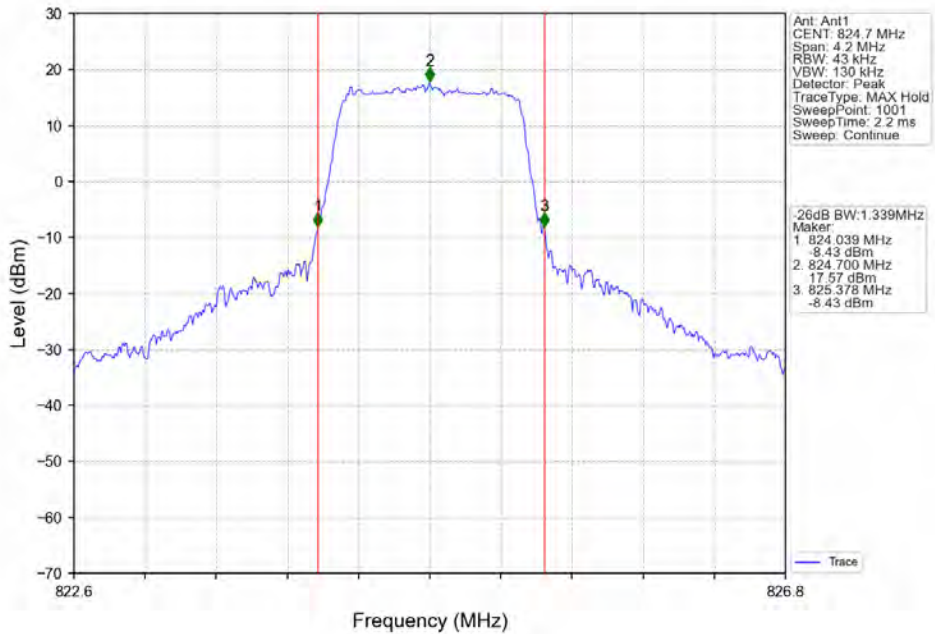
4.2.2 Test Graph



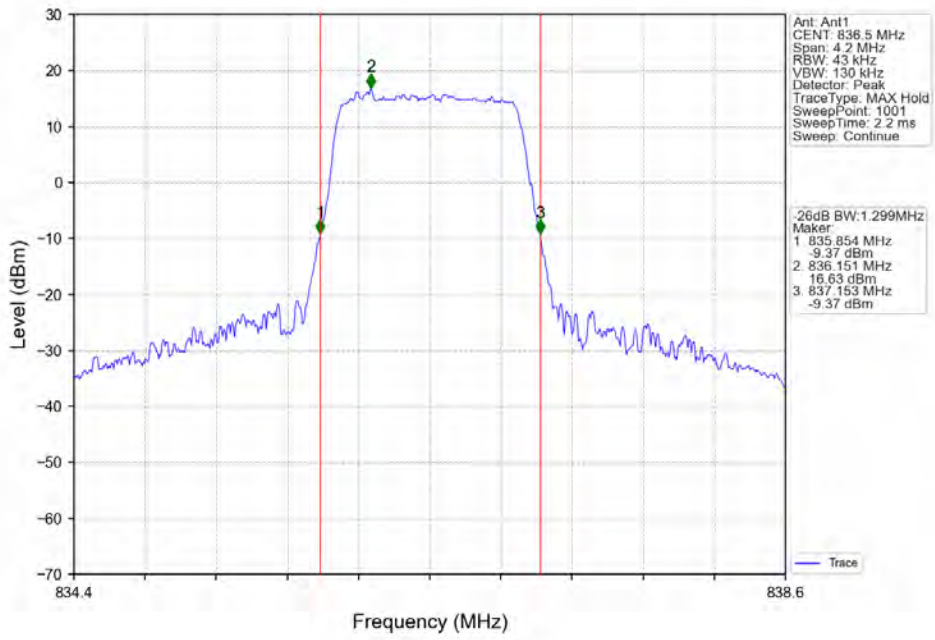
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



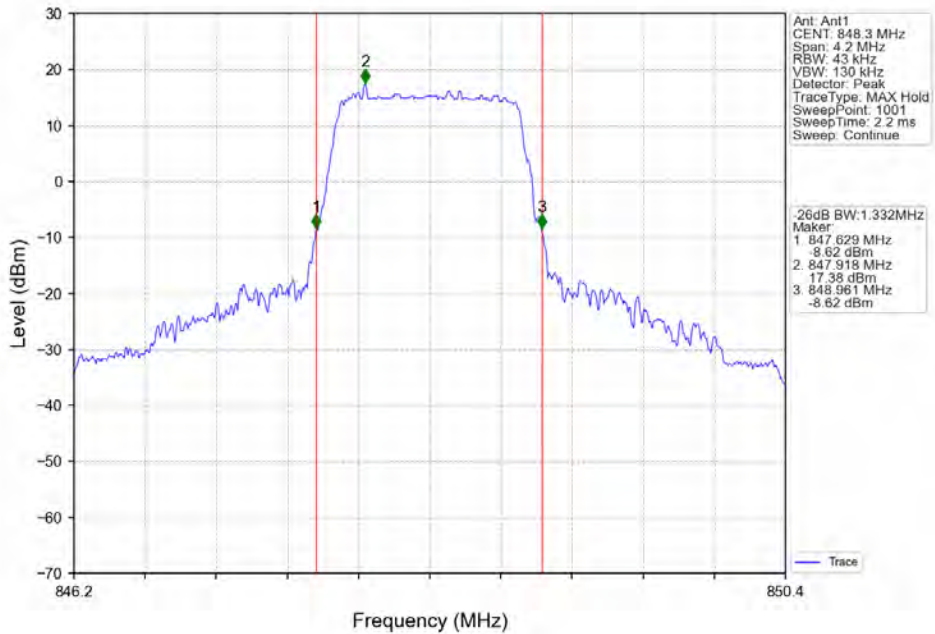
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



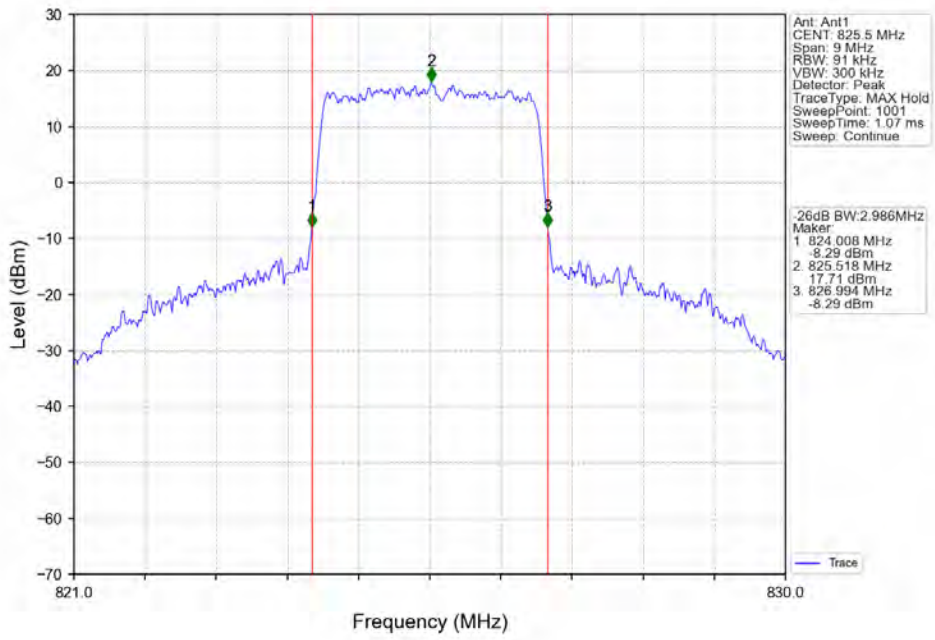
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



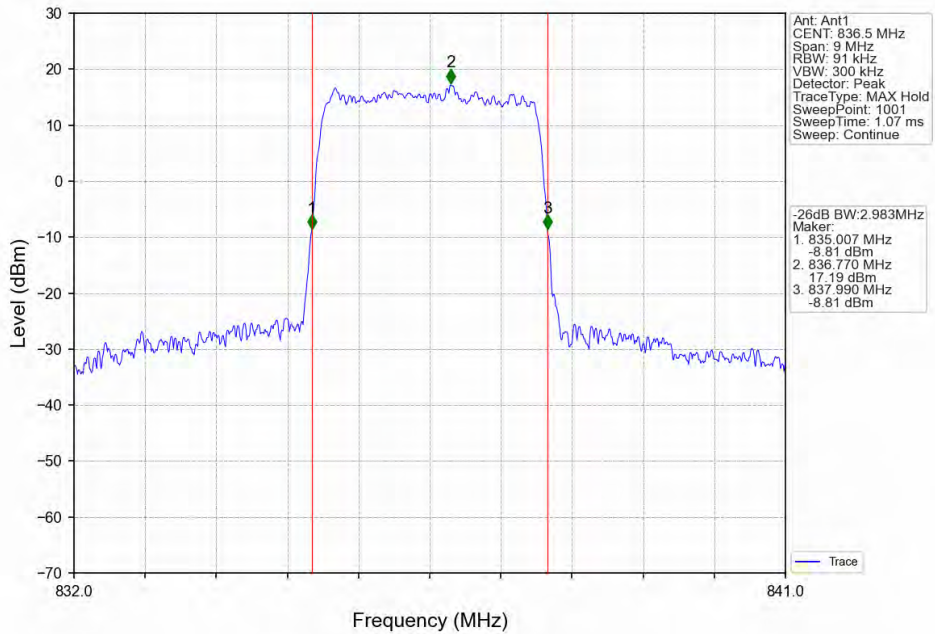
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



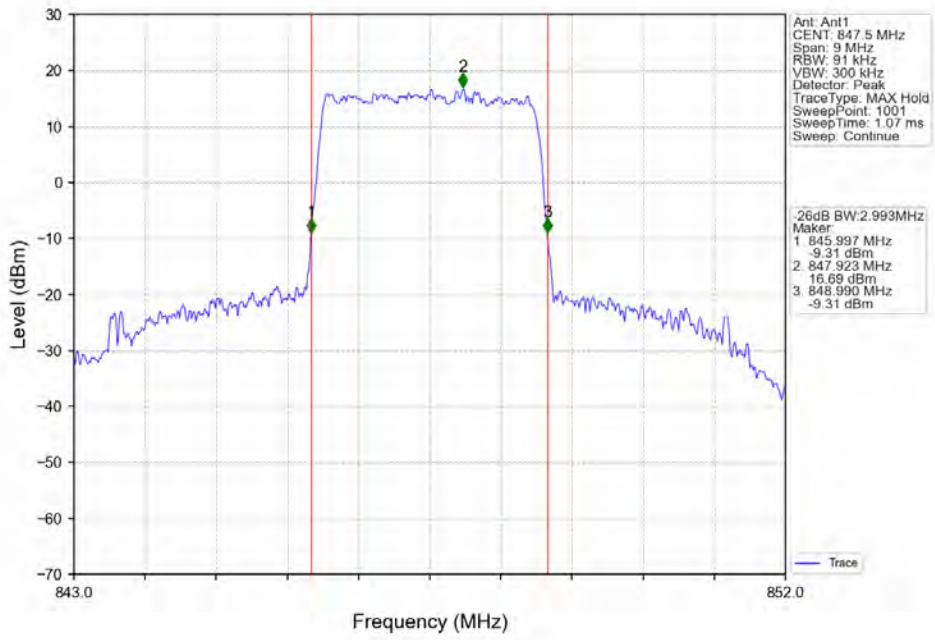
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



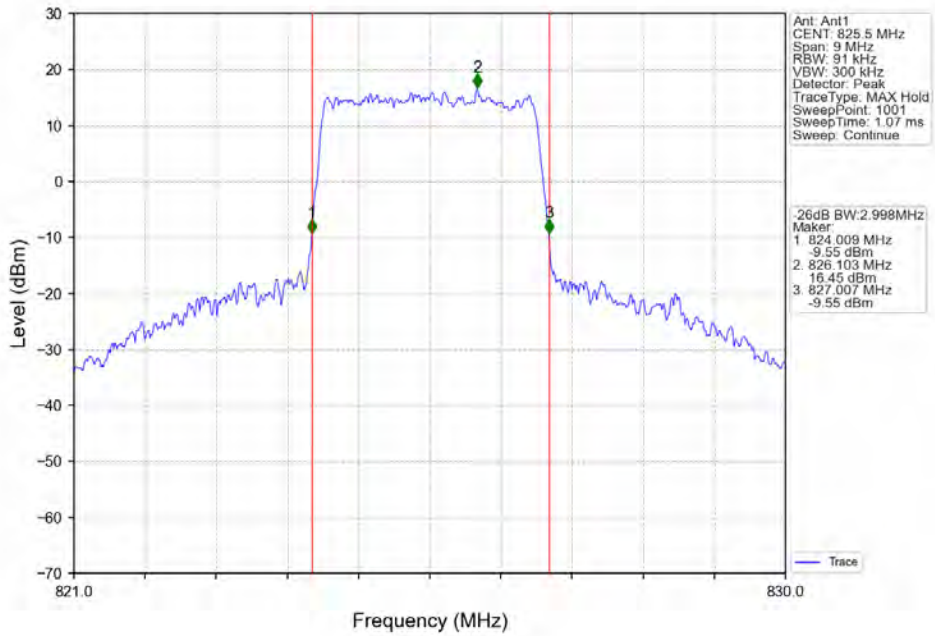
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



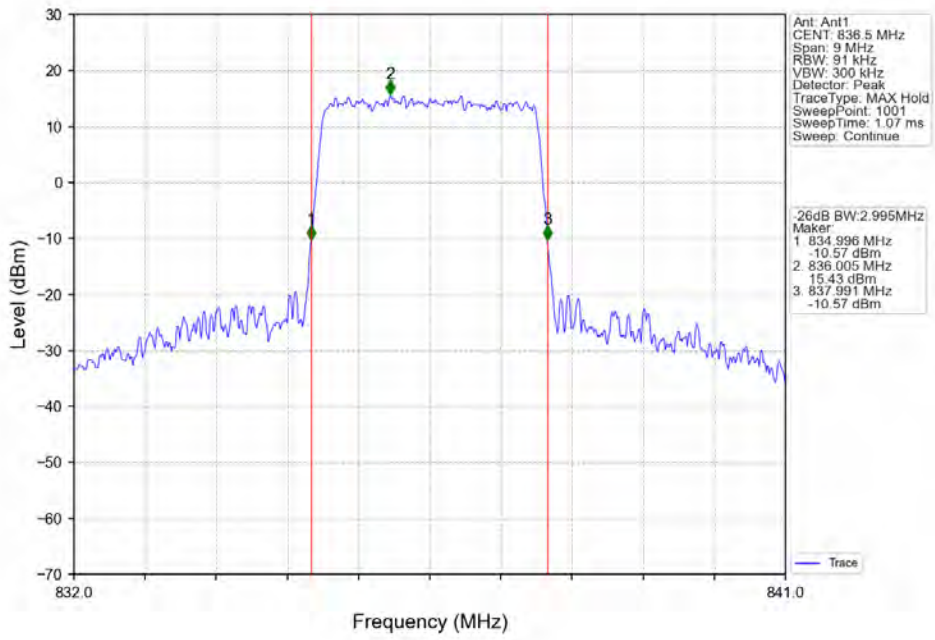
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



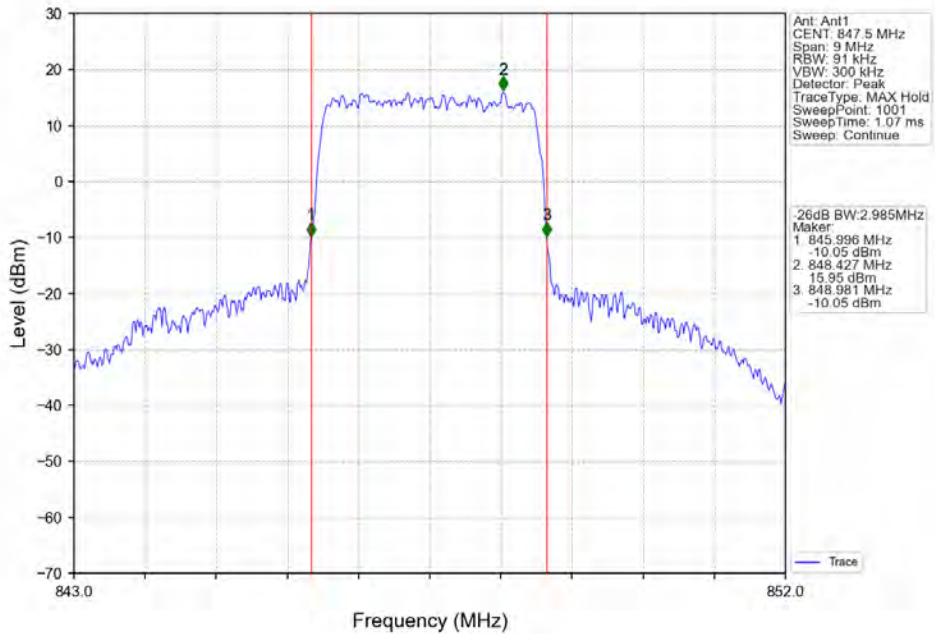
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



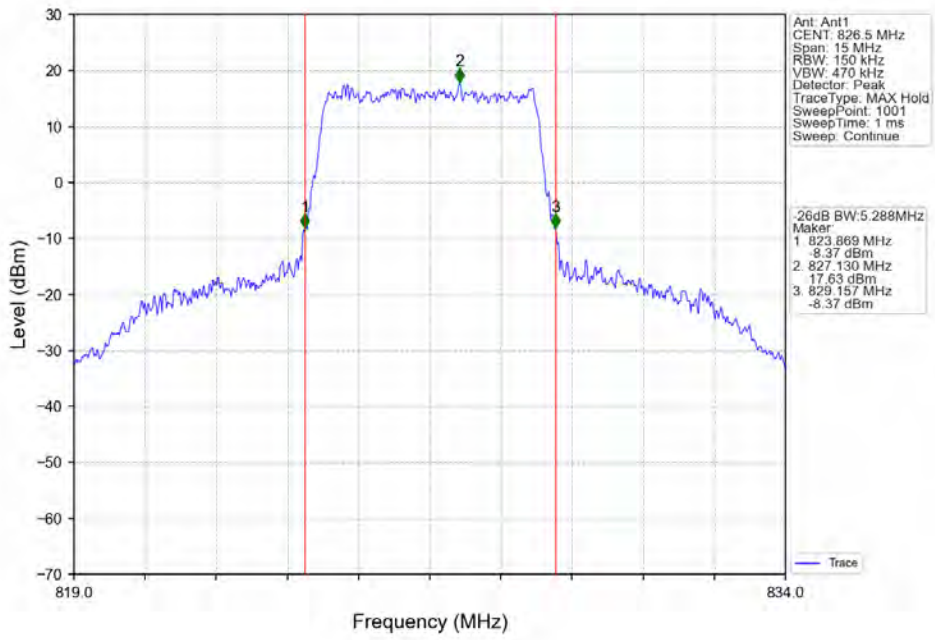
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



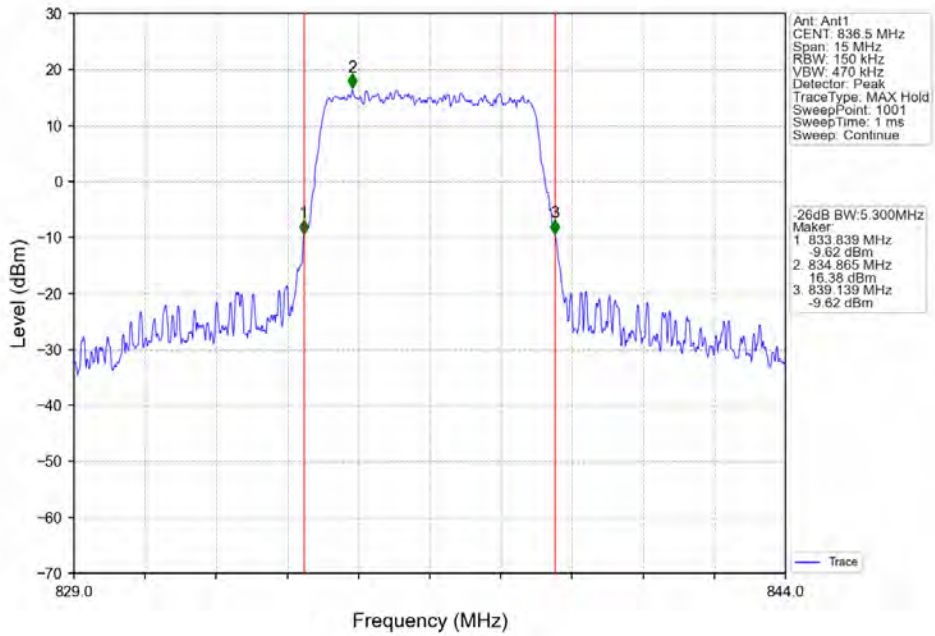
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



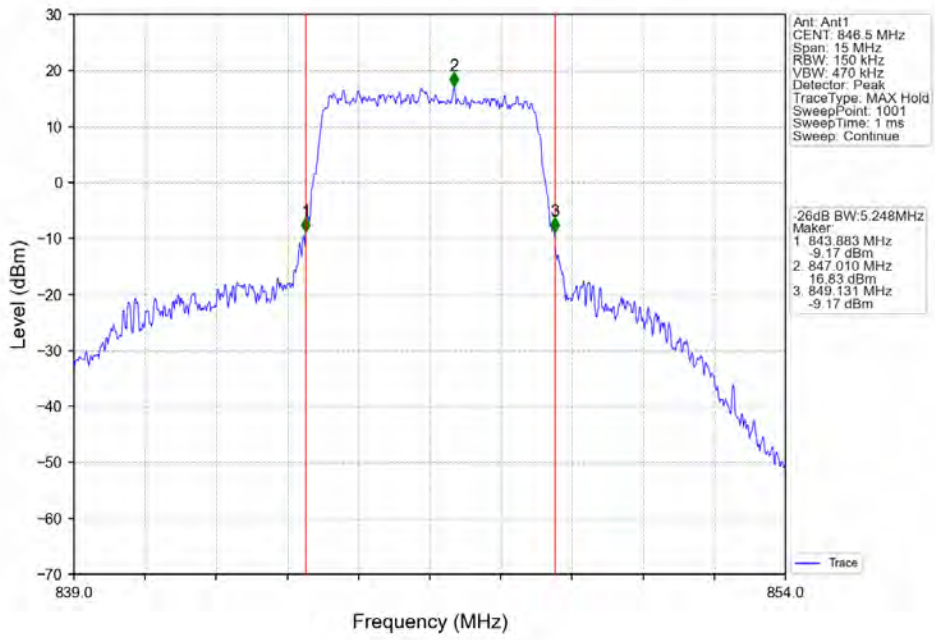
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



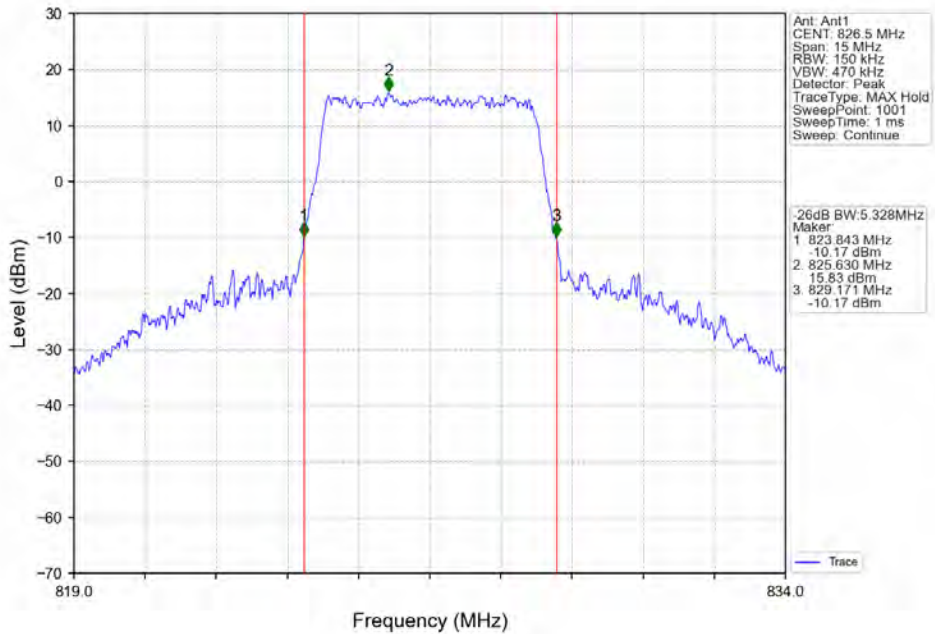
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



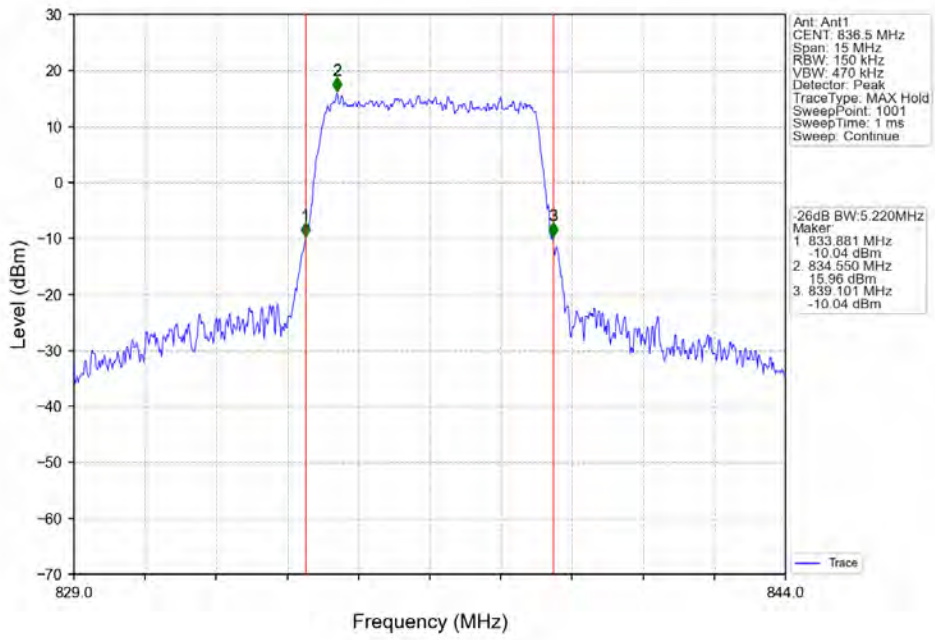
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



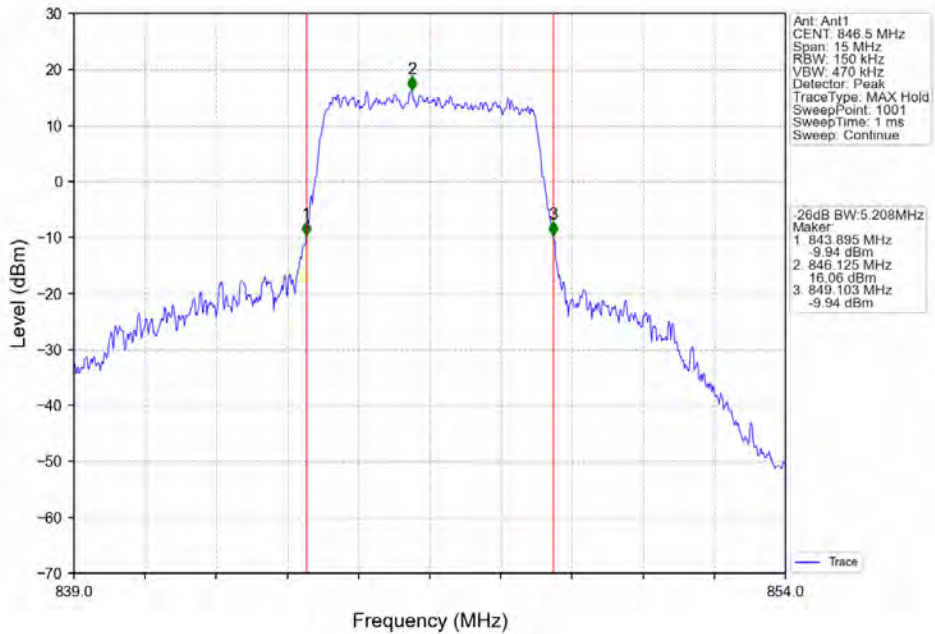
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



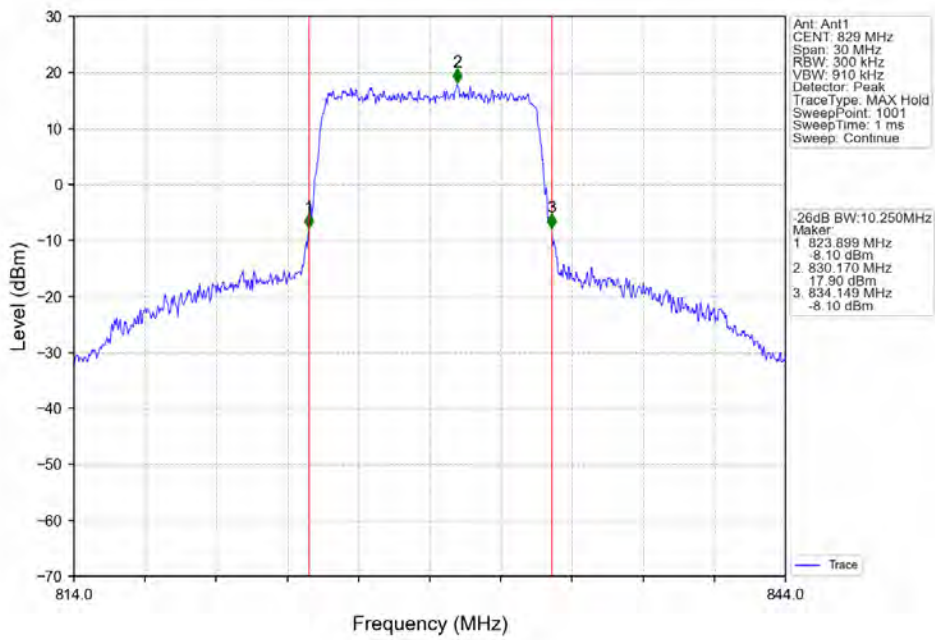
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



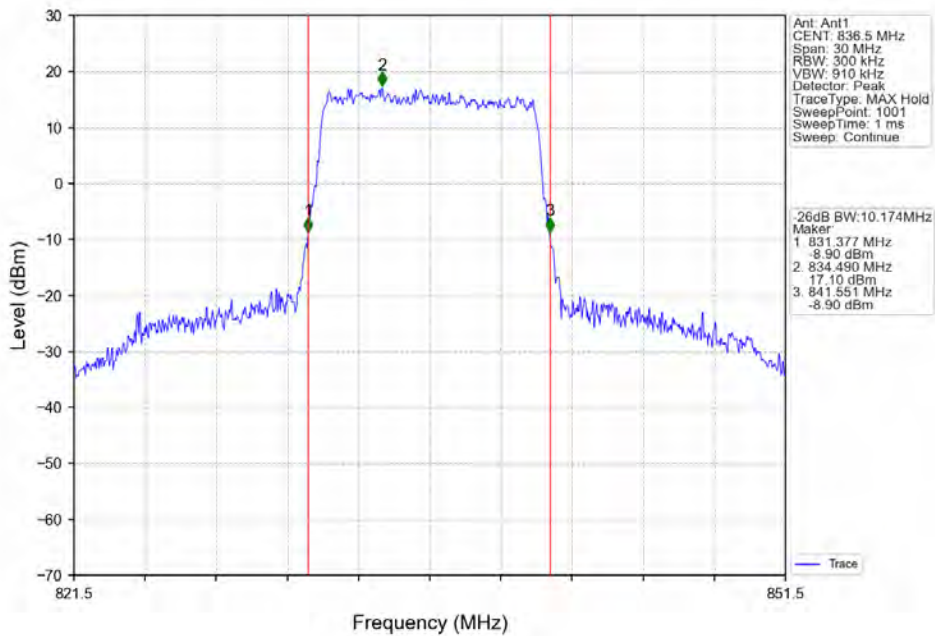
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



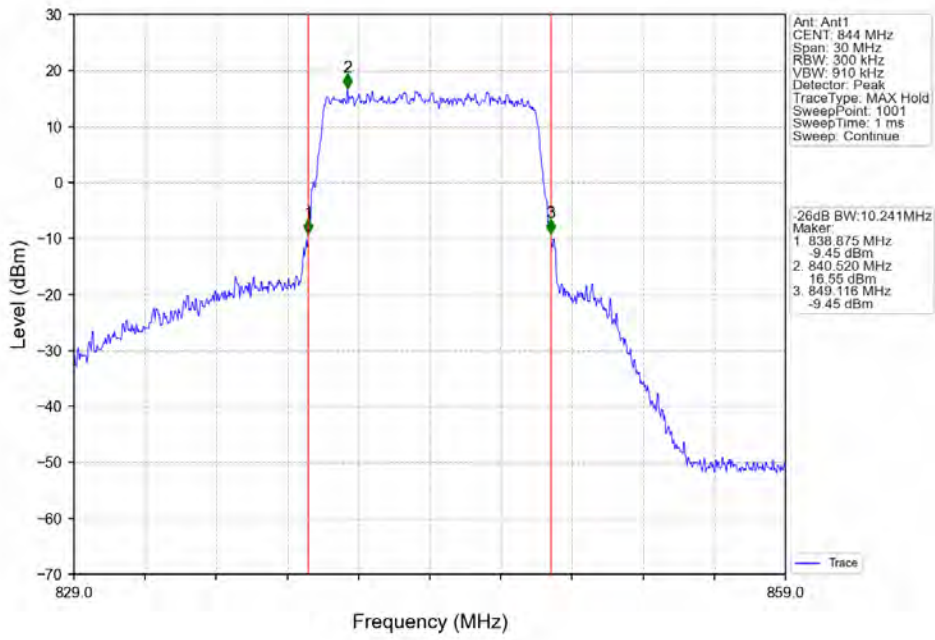
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



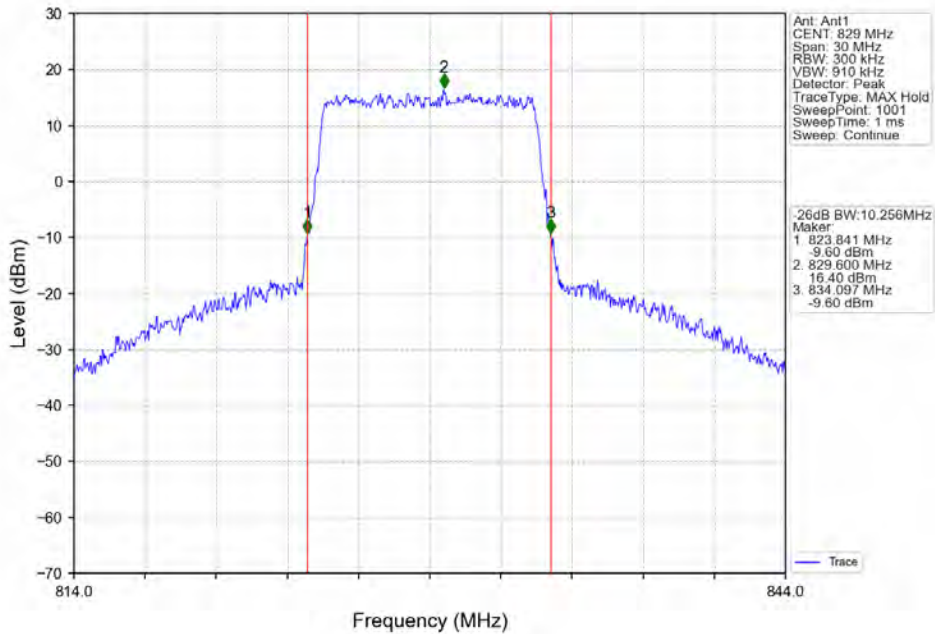
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



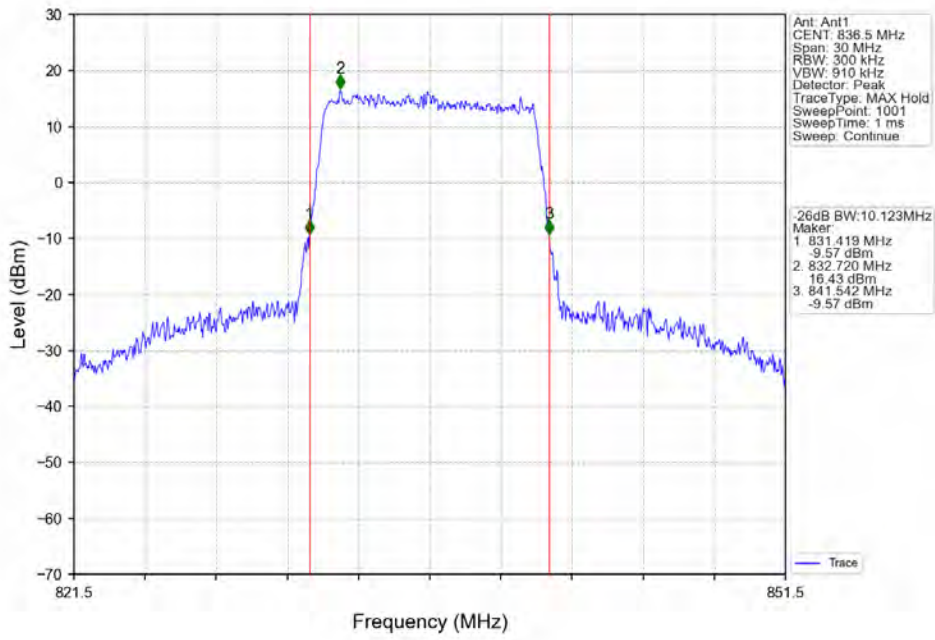
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



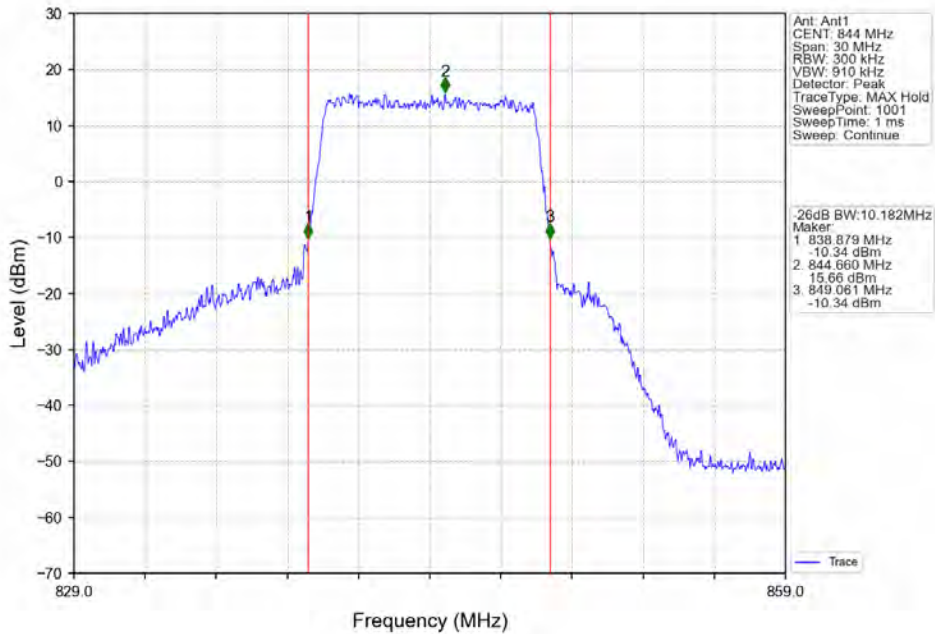
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



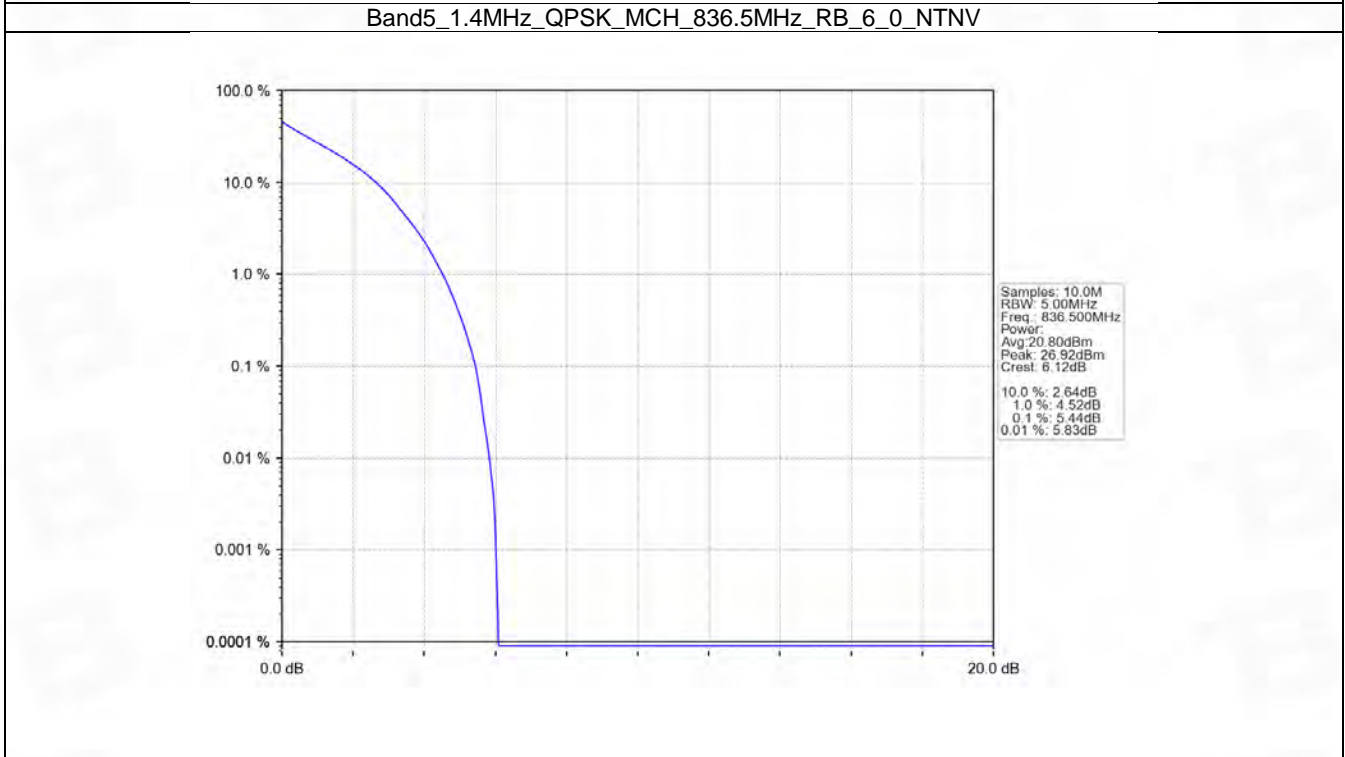
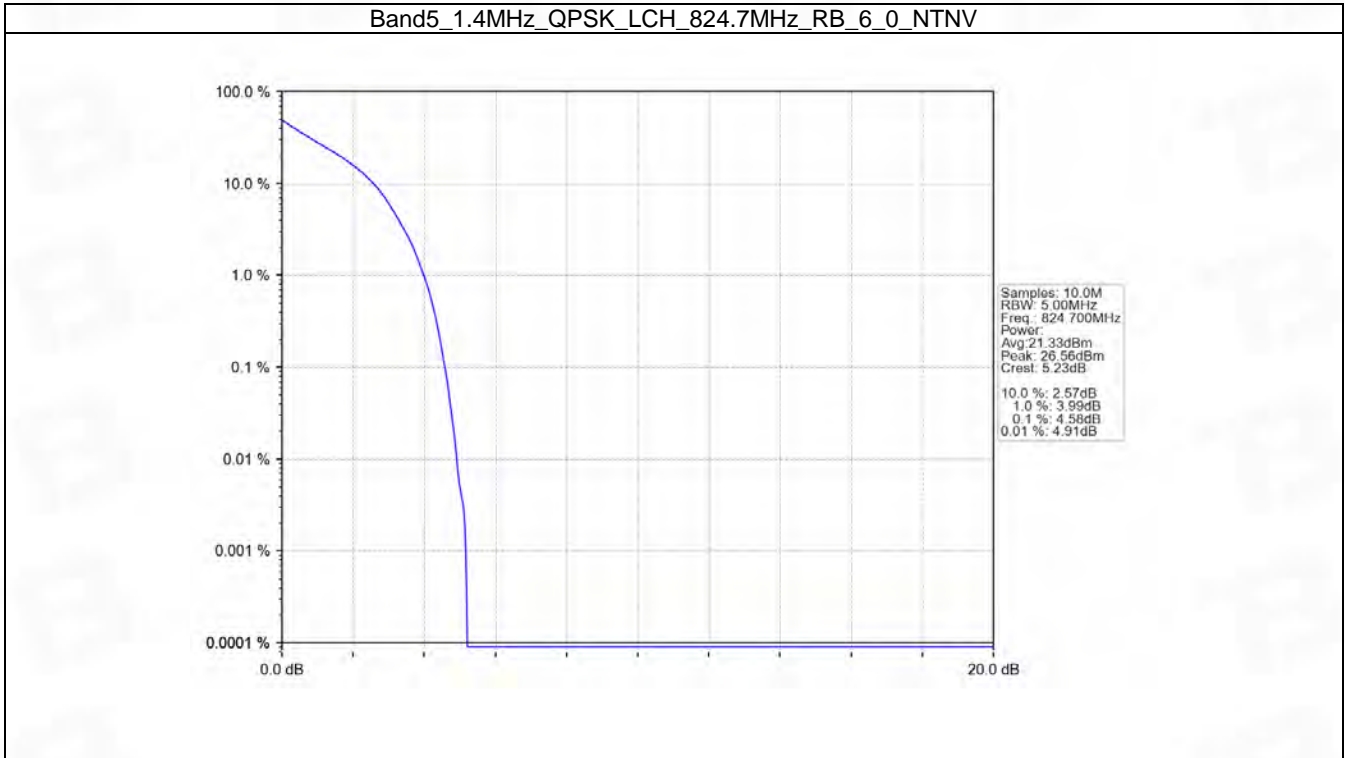
5. Peak-Average Ratio

5.1 B5_1.4MHz

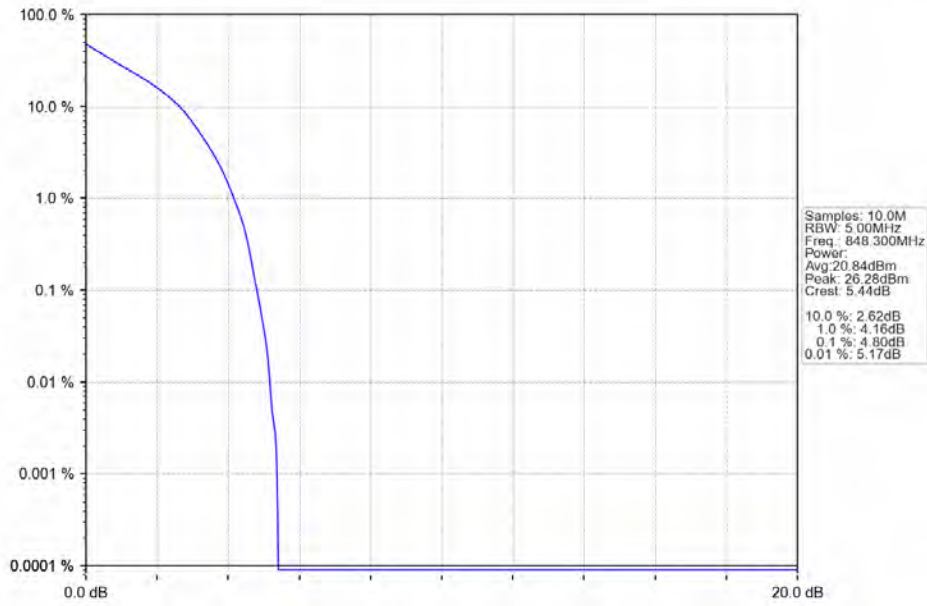
5.1.1 Test Result

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	4.58	<=13	Pass
	836.5	6	0	5.44	<=13	Pass
	848.3	6	0	4.80	<=13	Pass
16QAM	824.7	6	0	5.41	<=13	Pass
	836.5	6	0	6.21	<=13	Pass
	848.3	6	0	5.72	<=13	Pass

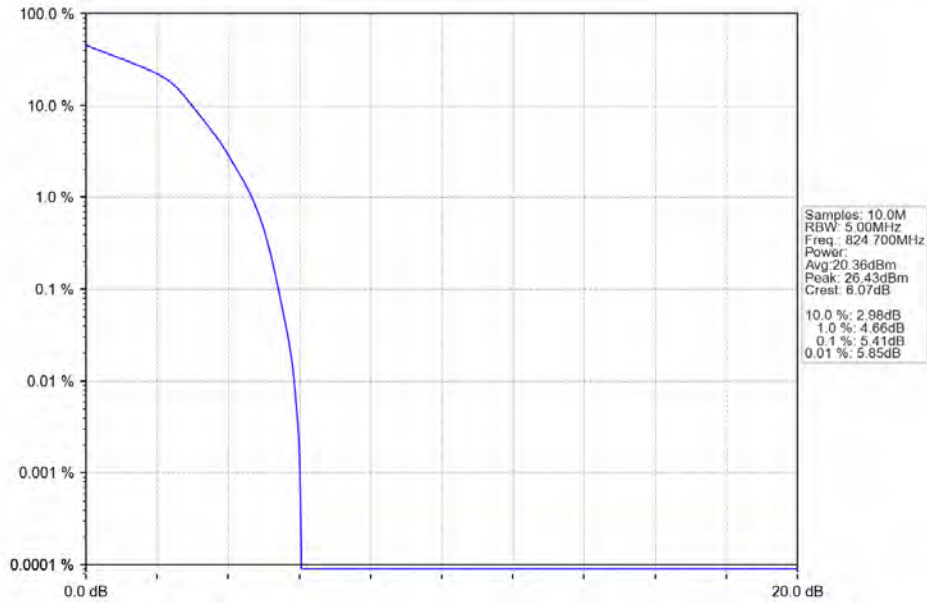
5.1.2 Test Graph



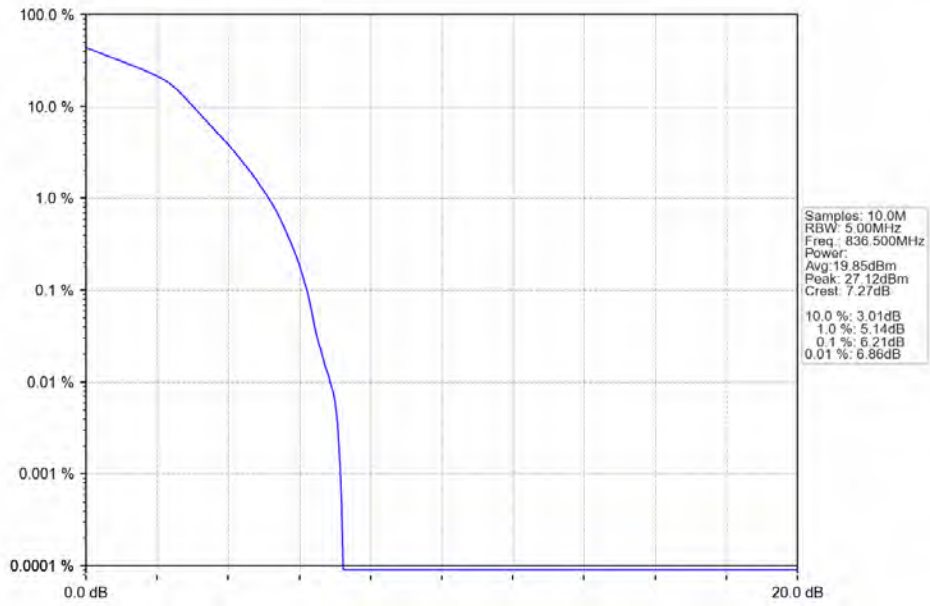
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



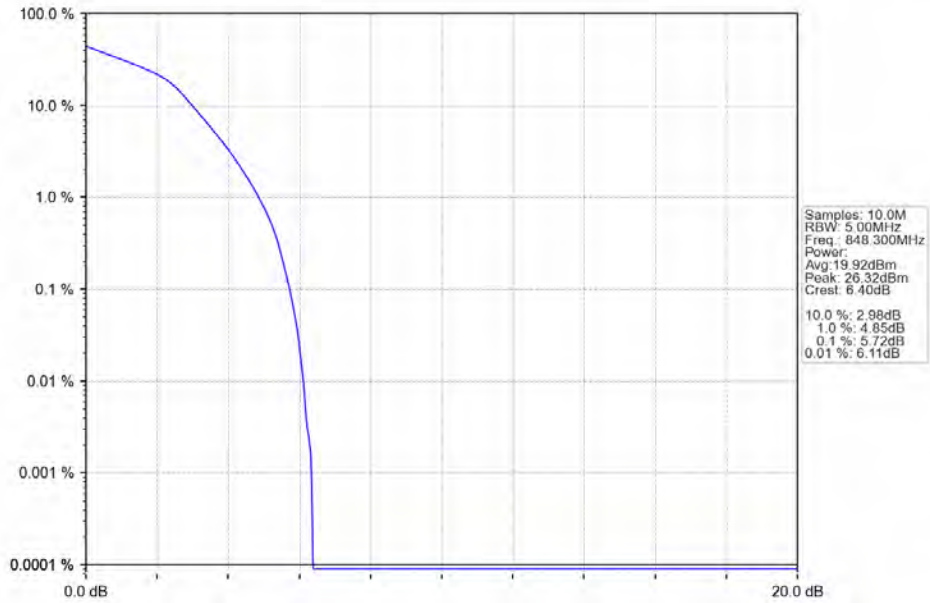
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

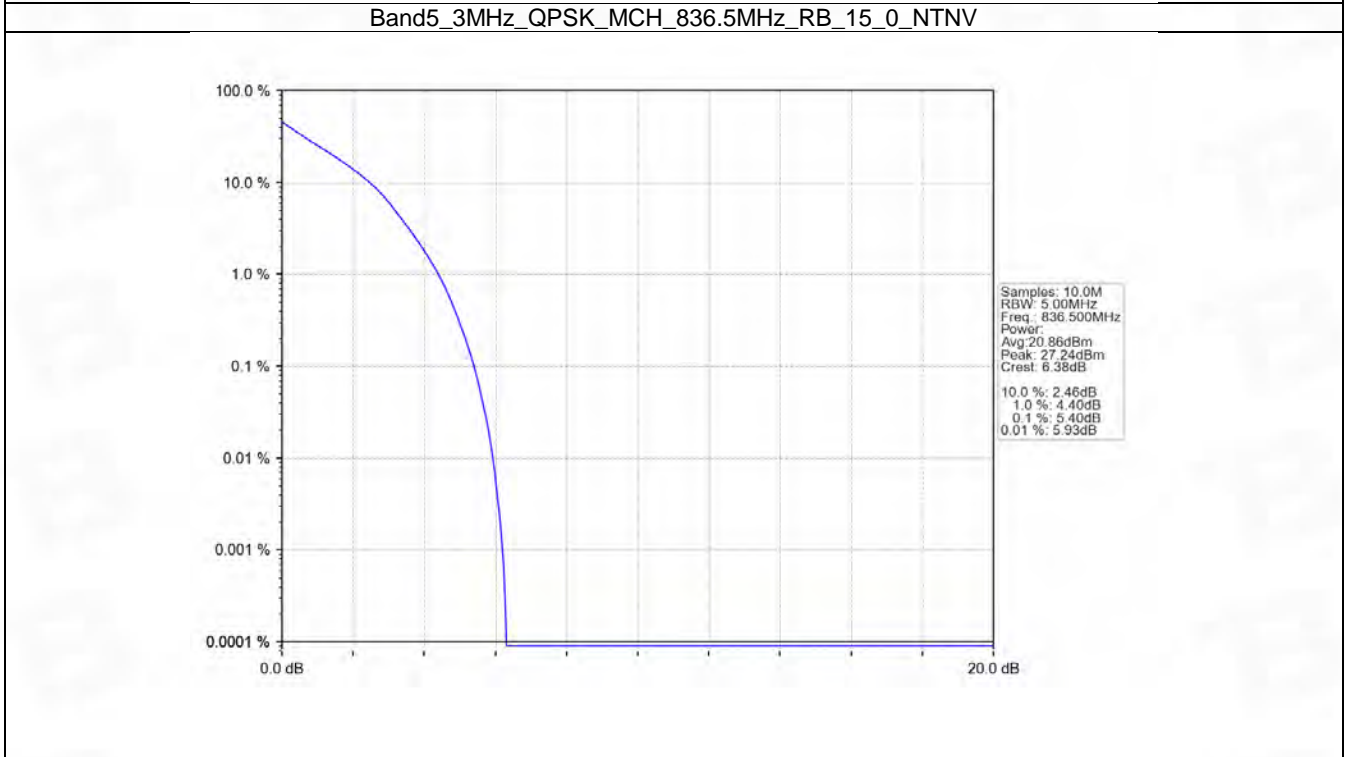
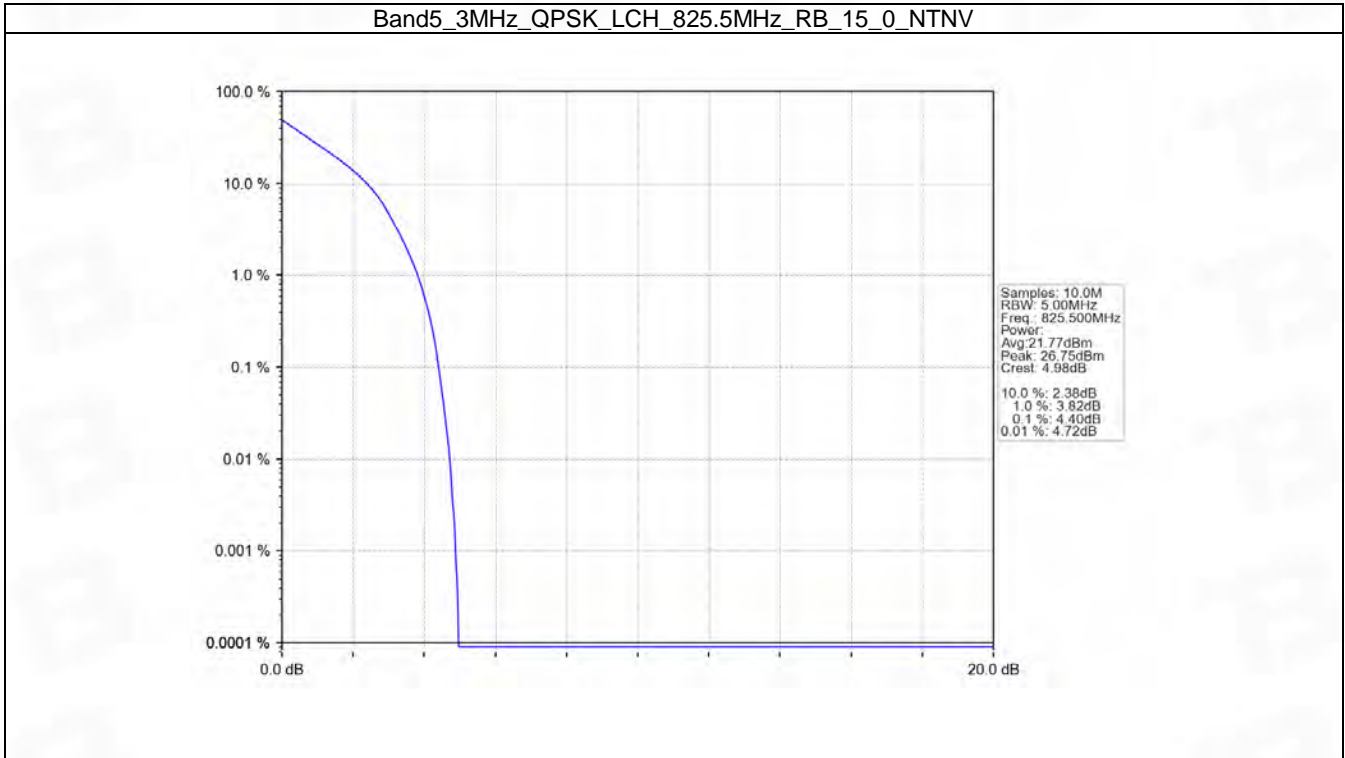


5.2 B5_3MHz

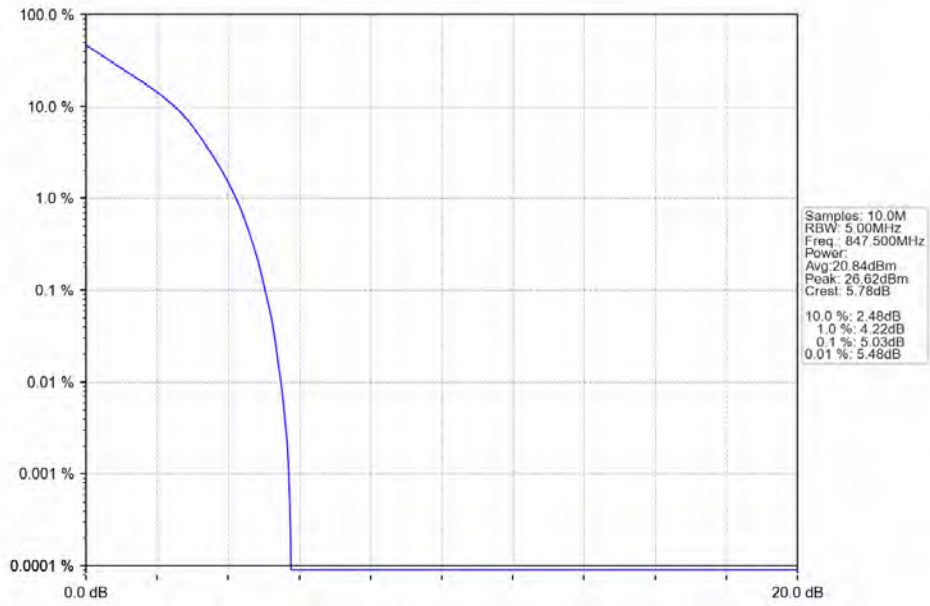
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	4.40	<=13	Pass
	836.5	15	0	5.40	<=13	Pass
	847.5	15	0	5.03	<=13	Pass
16QAM	825.5	15	0	5.48	<=13	Pass
	836.5	15	0	6.25	<=13	Pass
	847.5	15	0	5.89	<=13	Pass

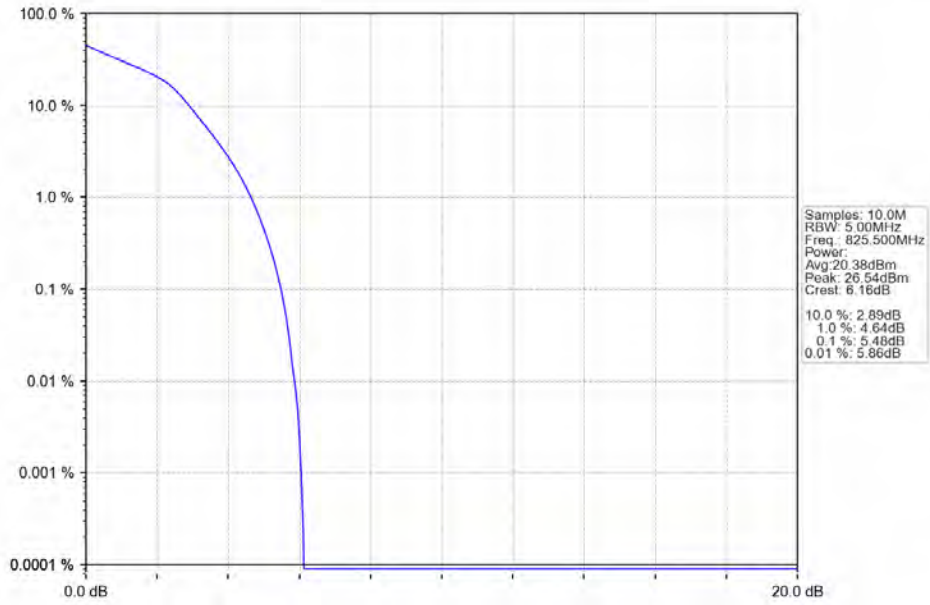
5.2.2 Test Graph



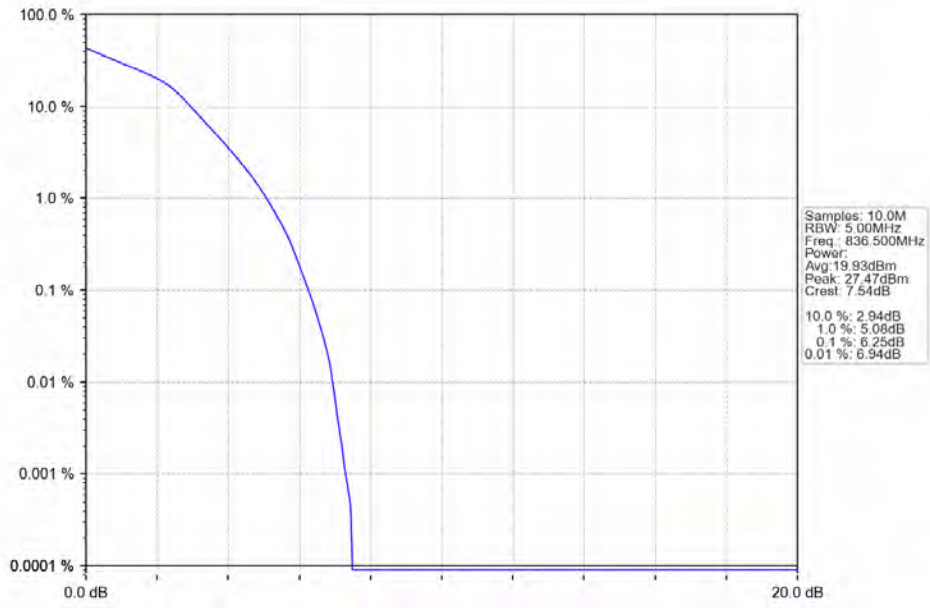
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



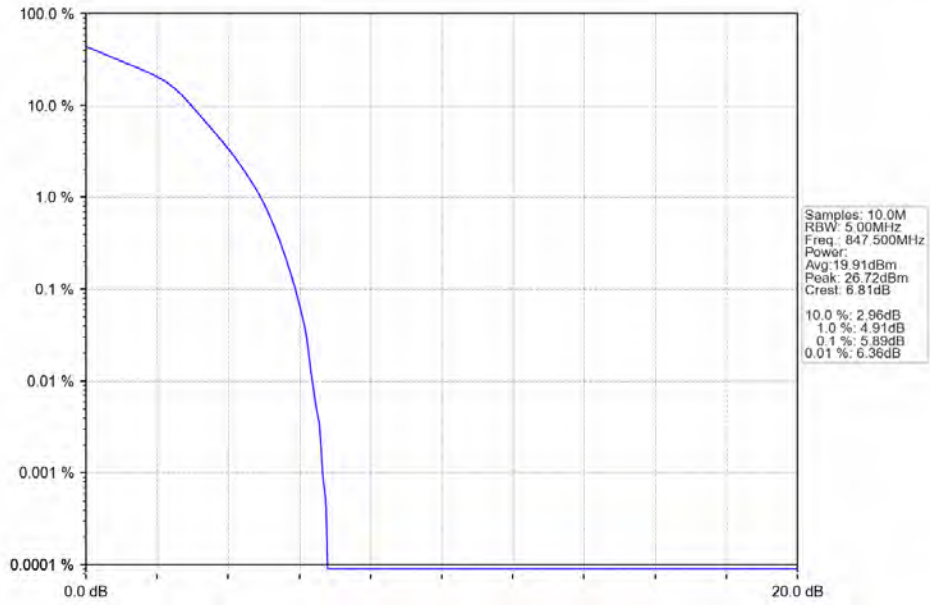
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

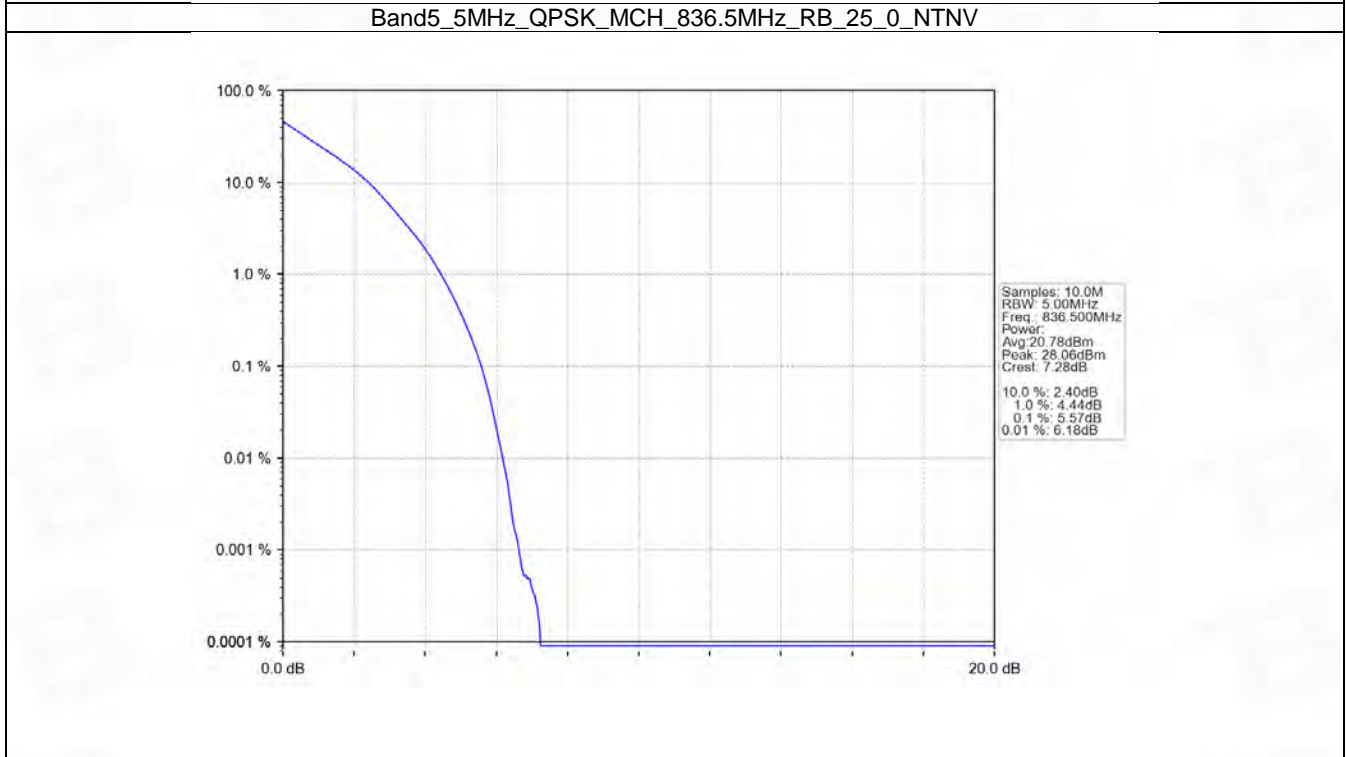
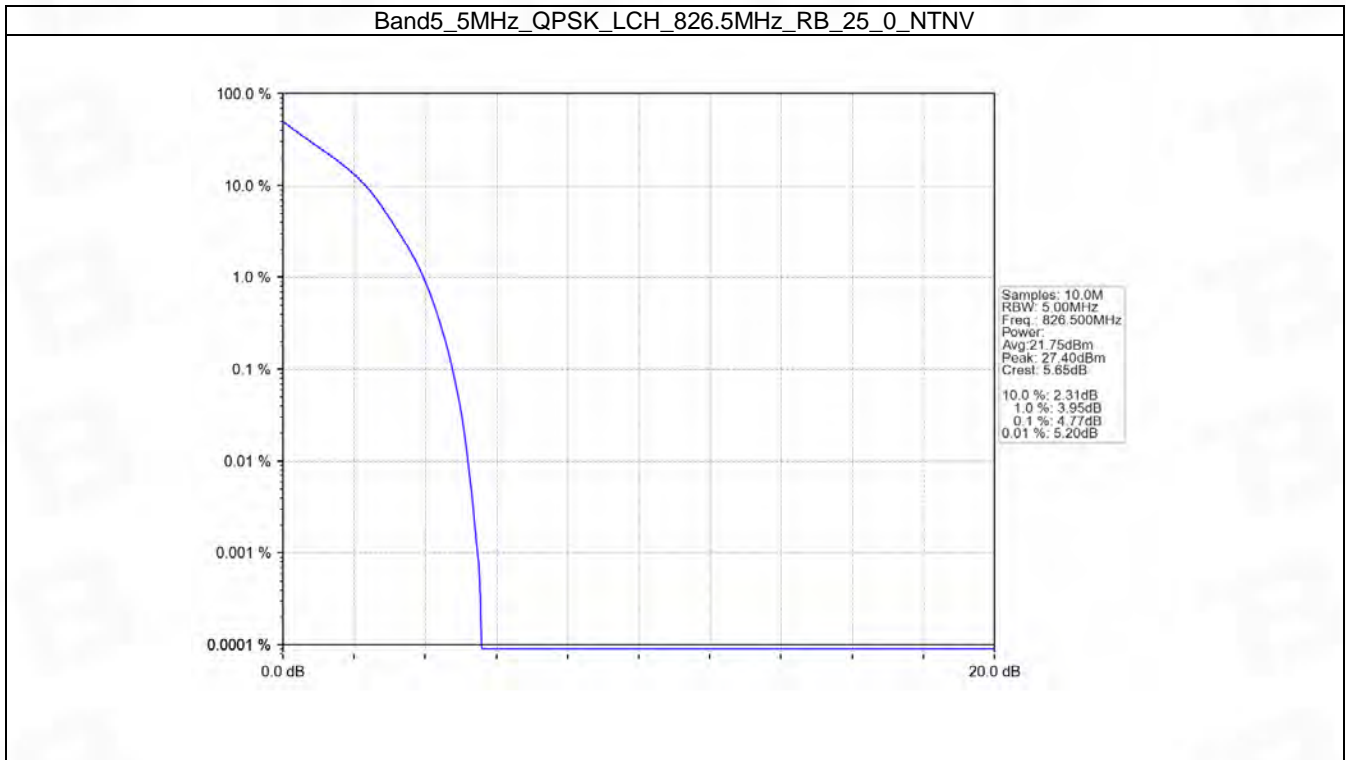


5.3 B5_5MHz

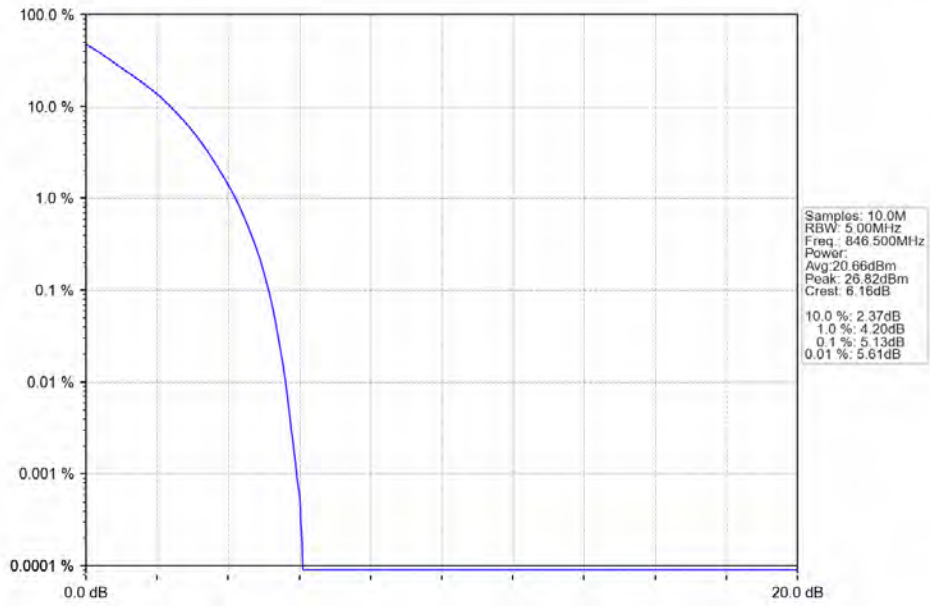
5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	4.77	<=13	Pass
	836.5	25	0	5.57	<=13	Pass
	846.5	25	0	5.13	<=13	Pass
16QAM	826.5	25	0	5.68	<=13	Pass
	836.5	25	0	6.28	<=13	Pass
	846.5	25	0	5.85	<=13	Pass

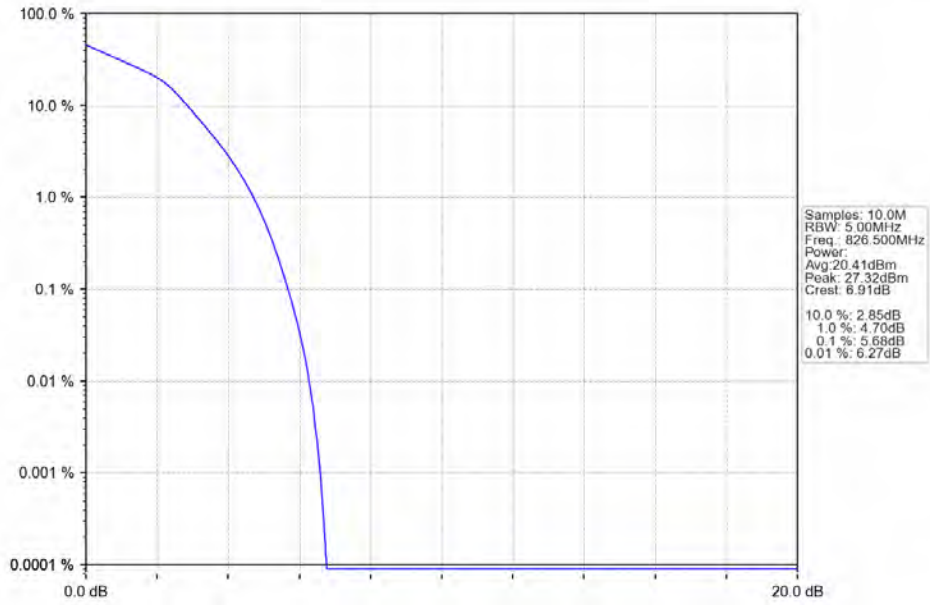
5.3.2 Test Graph



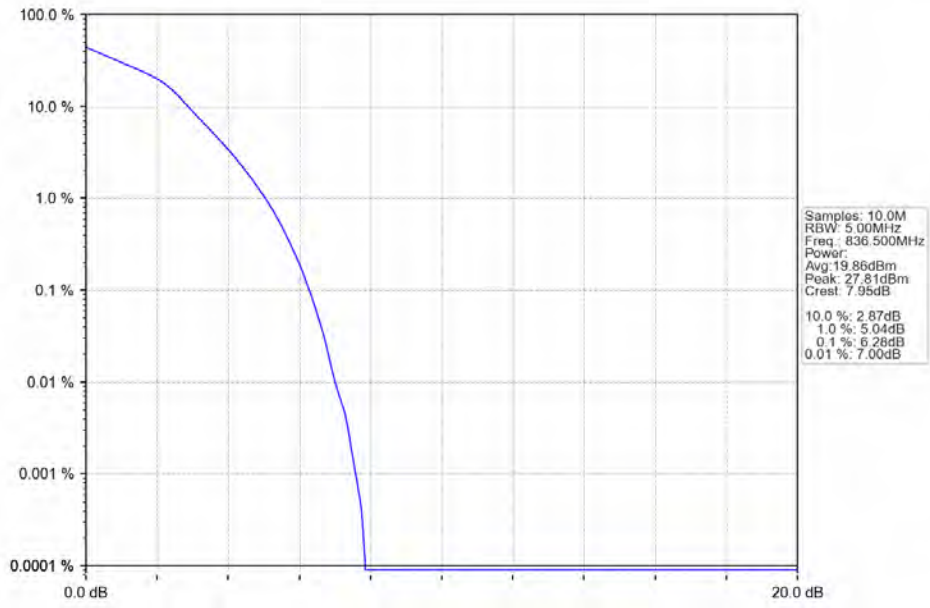
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



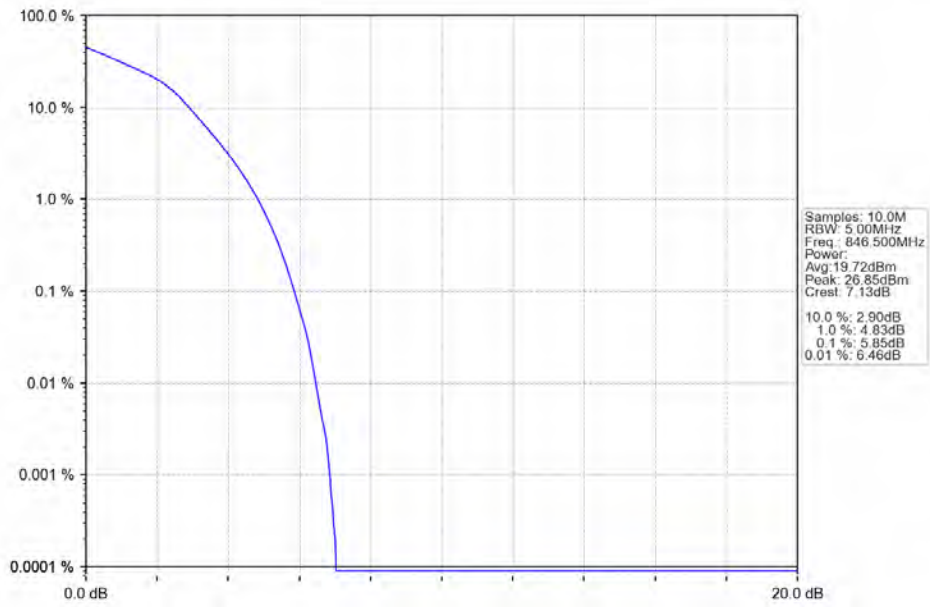
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

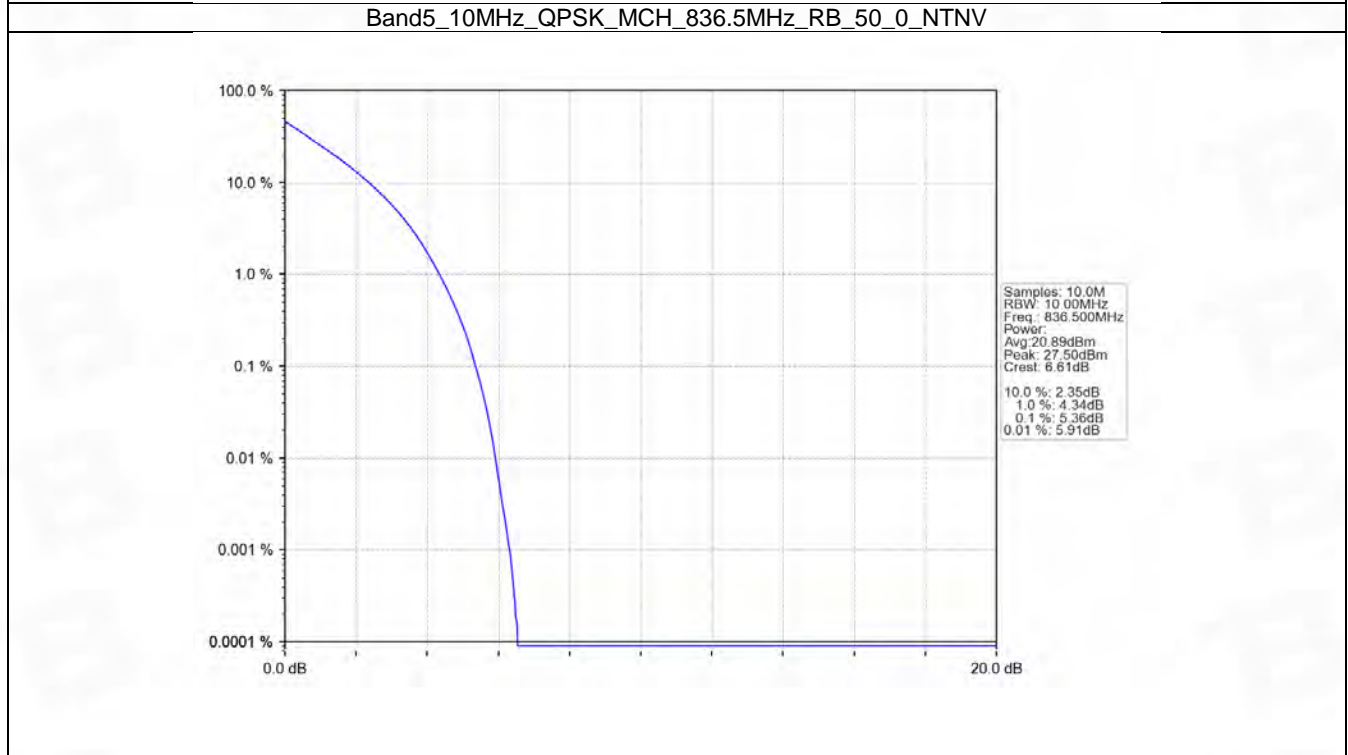
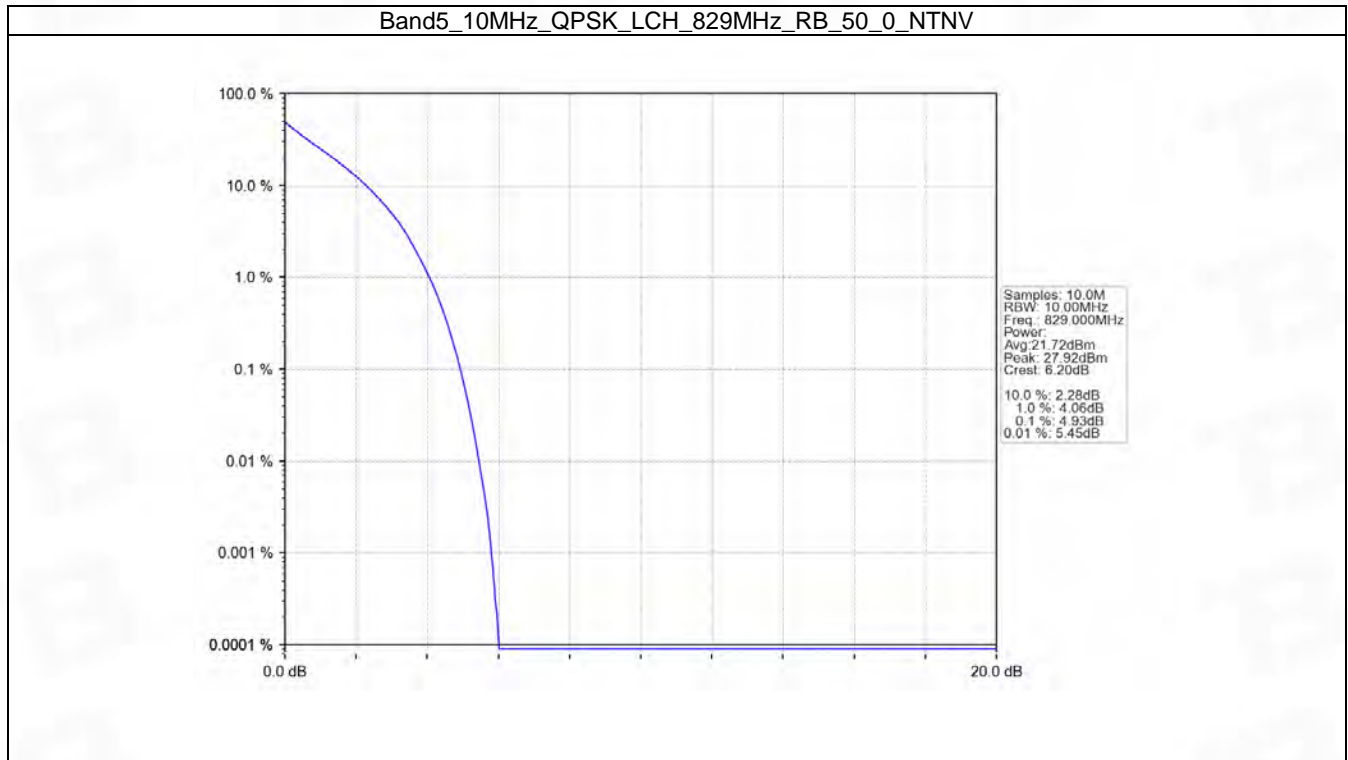


5.4 B5_10MHz

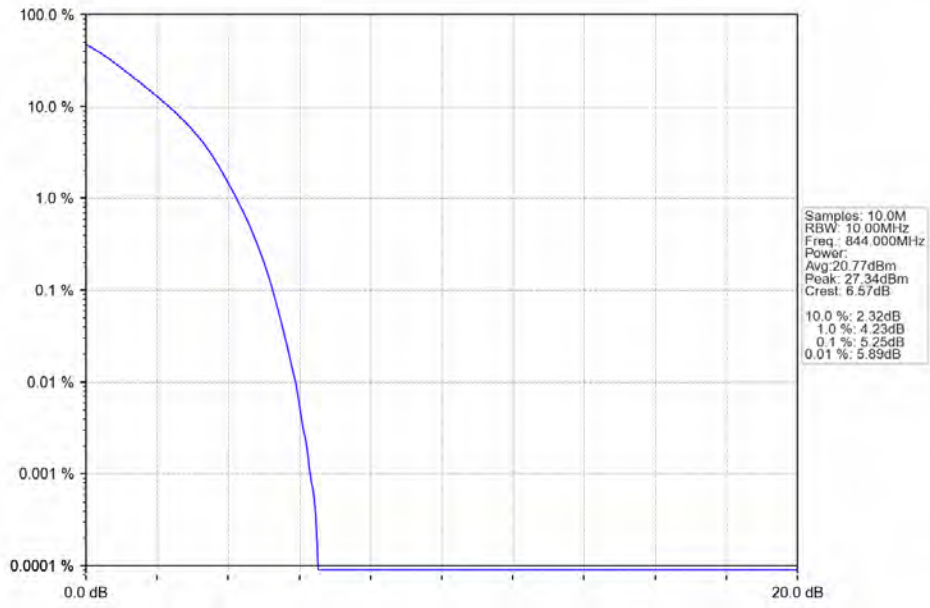
5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	4.93	<=13	Pass
	836.5	50	0	5.36	<=13	Pass
	844	50	0	5.25	<=13	Pass
16QAM	829	50	0	5.84	<=13	Pass
	836.5	50	0	6.16	<=13	Pass
	844	50	0	5.91	<=13	Pass

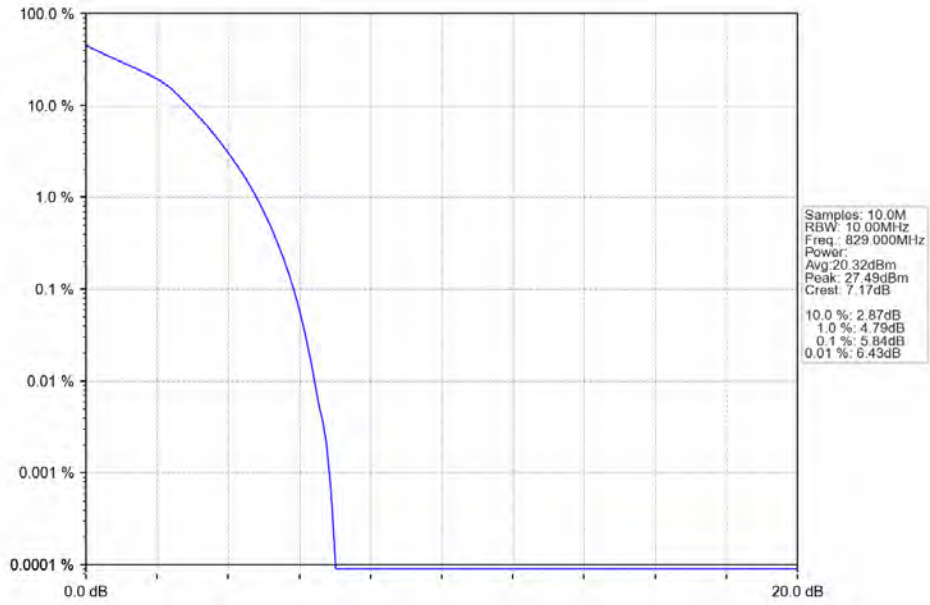
5.4.2 Test Graph



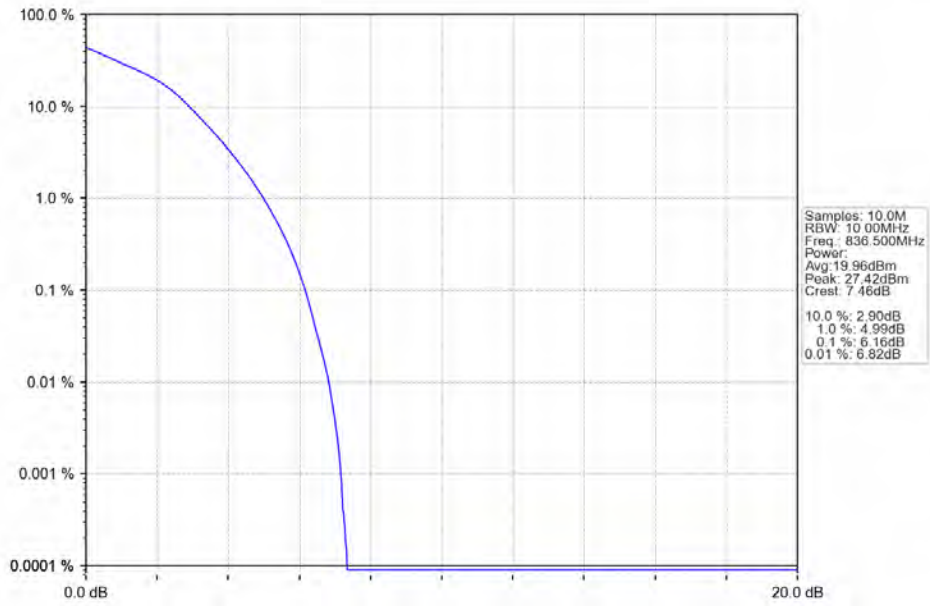
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



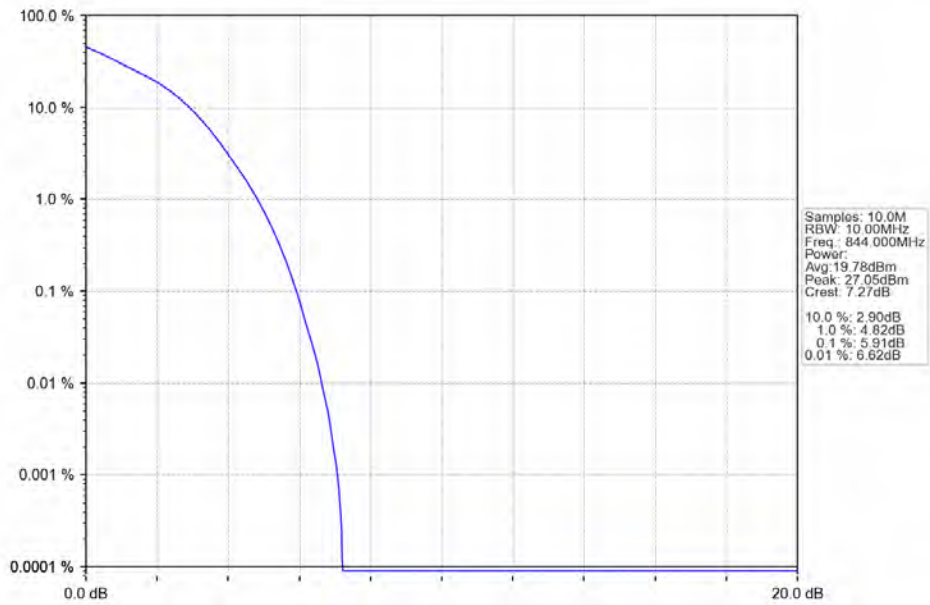
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



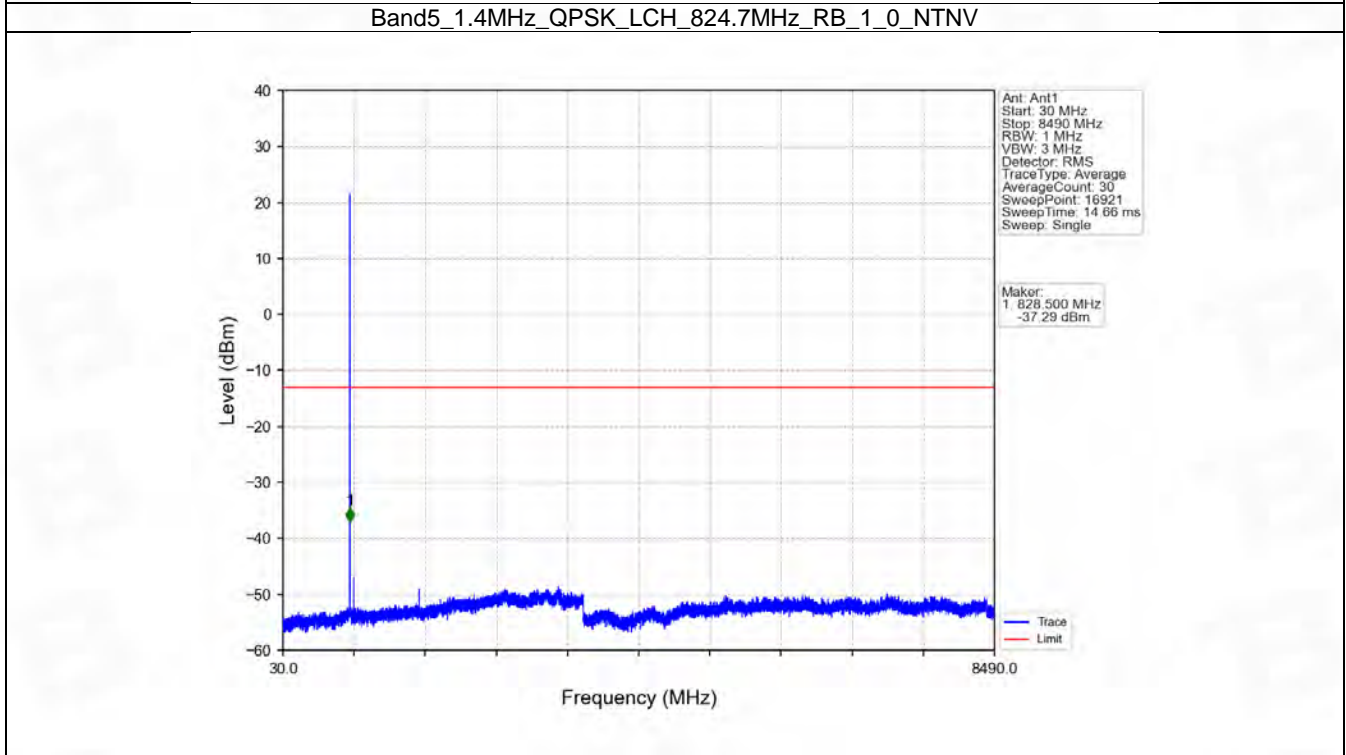
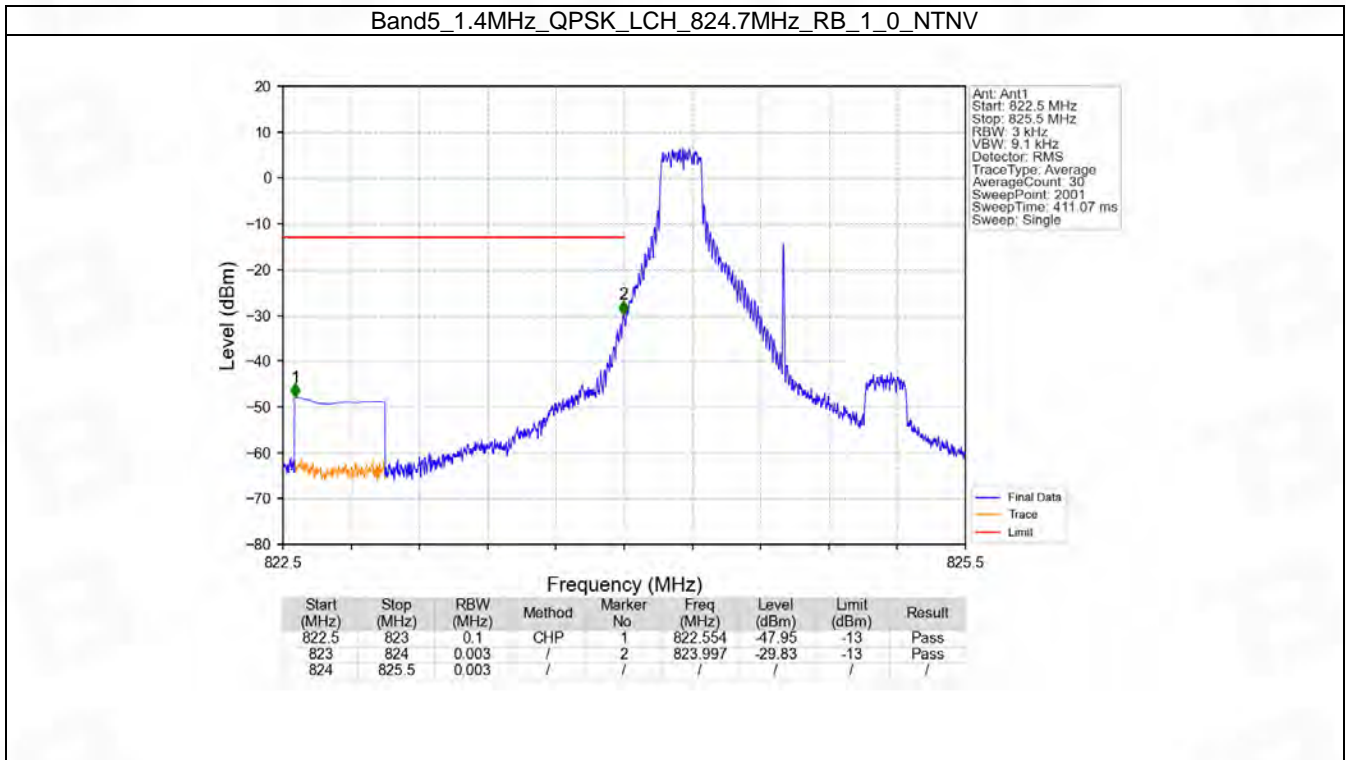
6. Spurious Emission

6.1 B5_1.4MHz

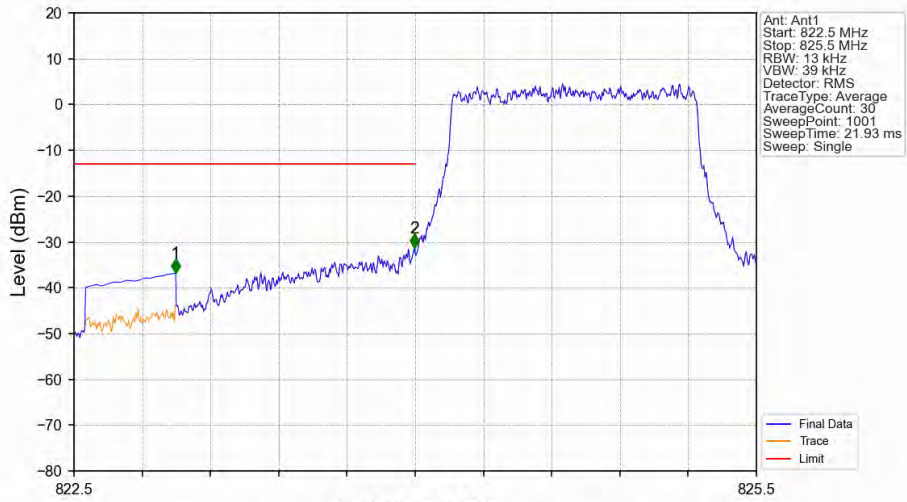
6.1.1 Test Result

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

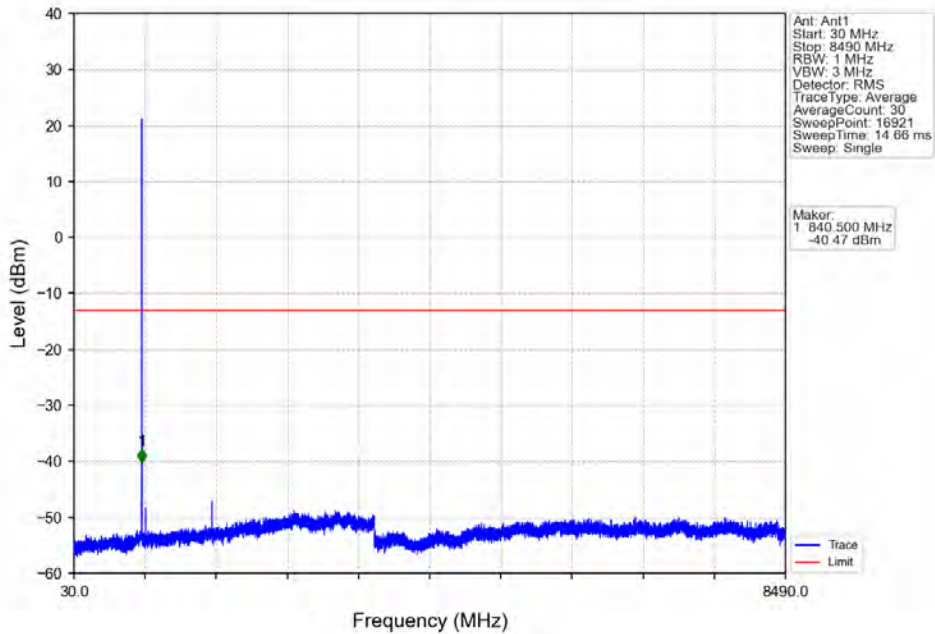


Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV

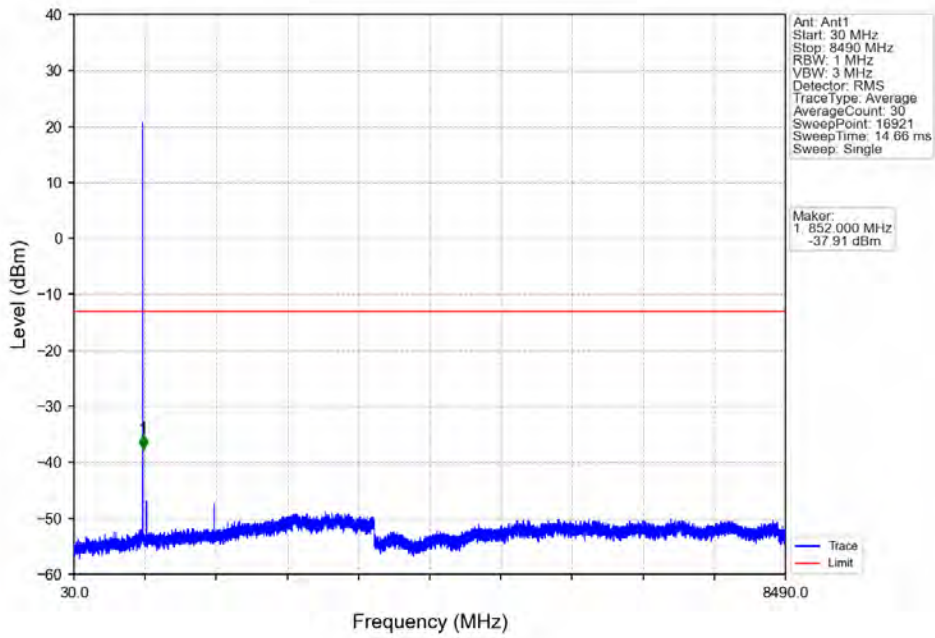


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-36.84	-13	Pass
823	824	0.013	/	2	823.997	-31.36	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

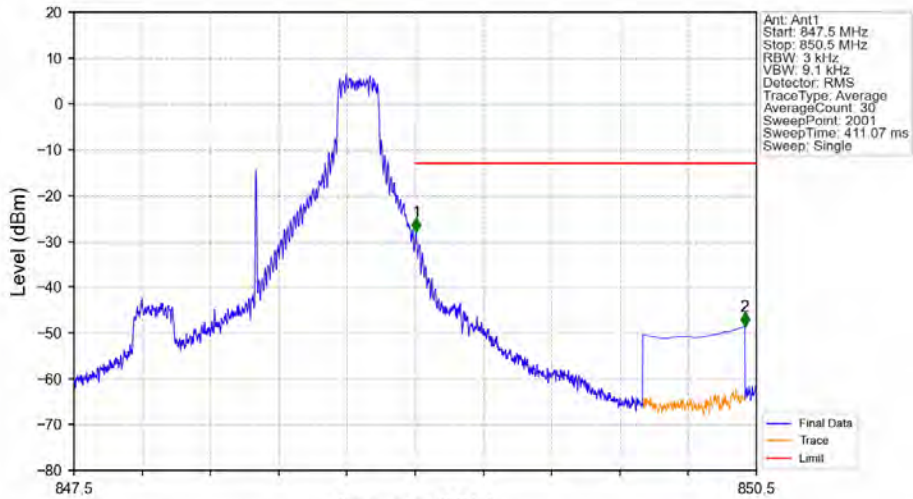
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

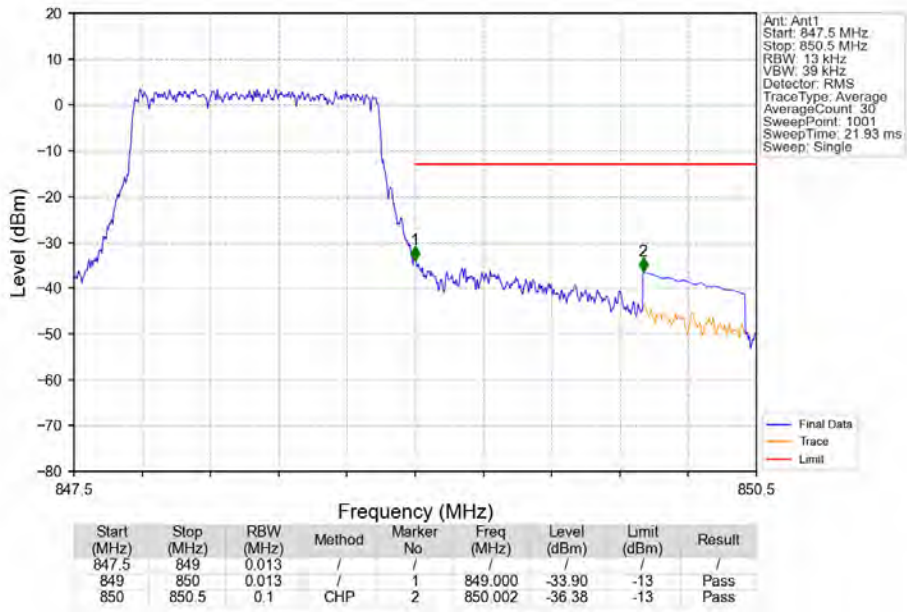


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV

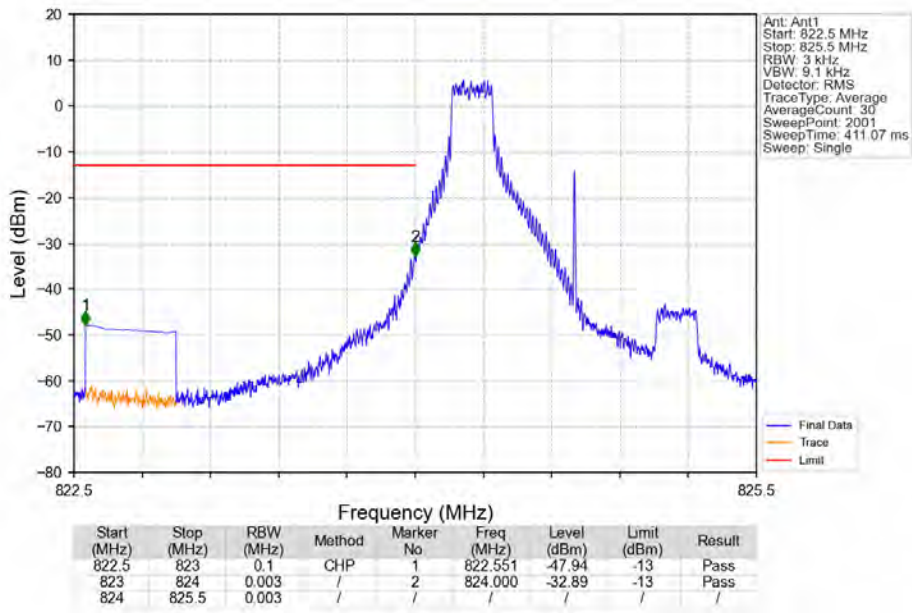


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-28.02	-13	Pass
850	850.5	0.1	CHP	2	850.449	-48.60	-13	Pass

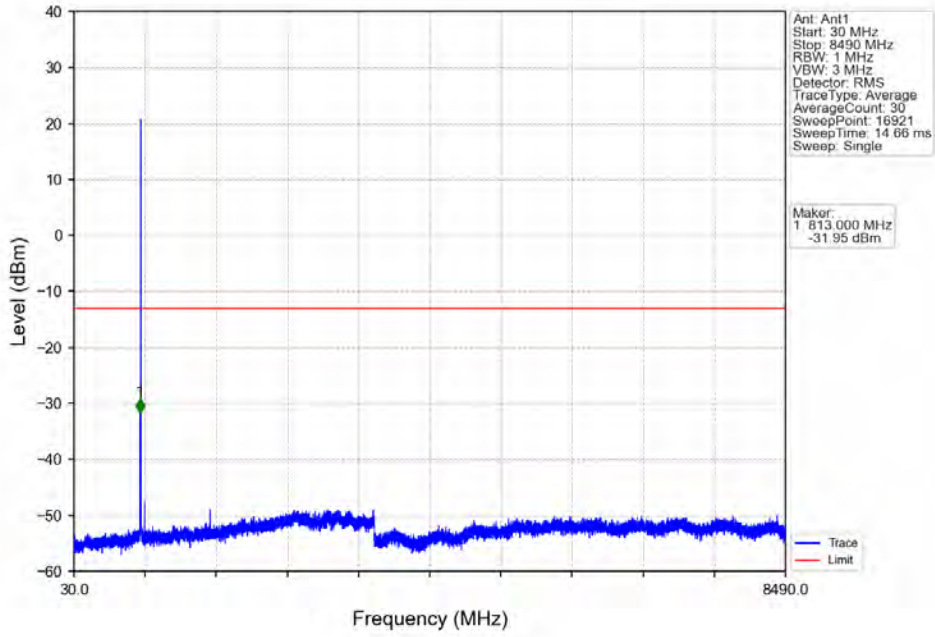
Band5 1.4MHz QPSK HCH 848.3MHz RB 6.0 NTN



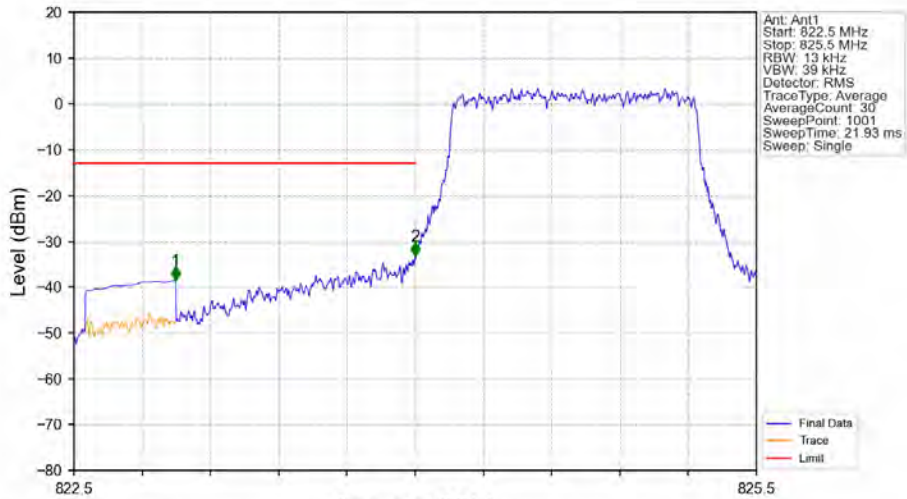
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1.0 NTN



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

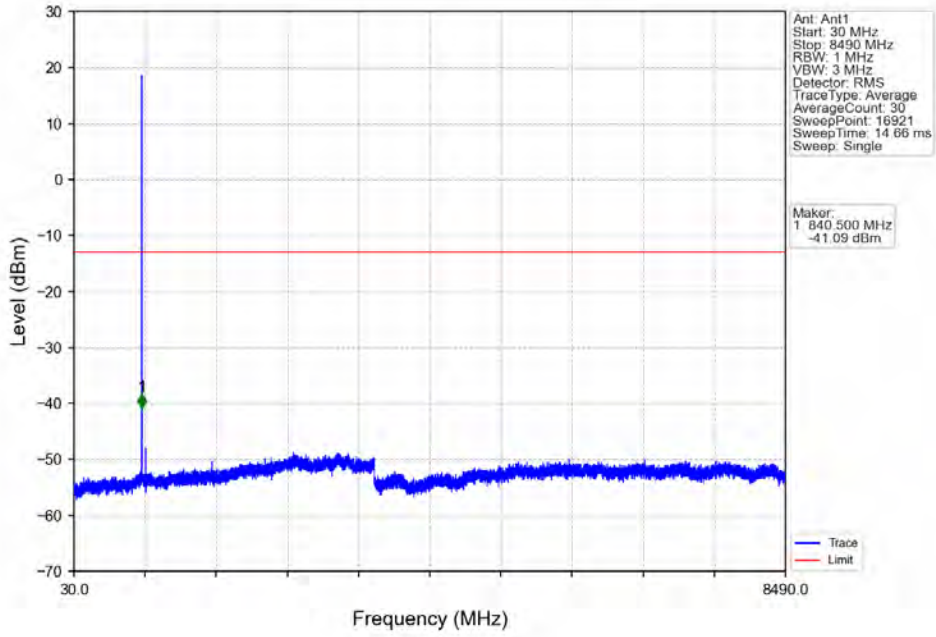


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

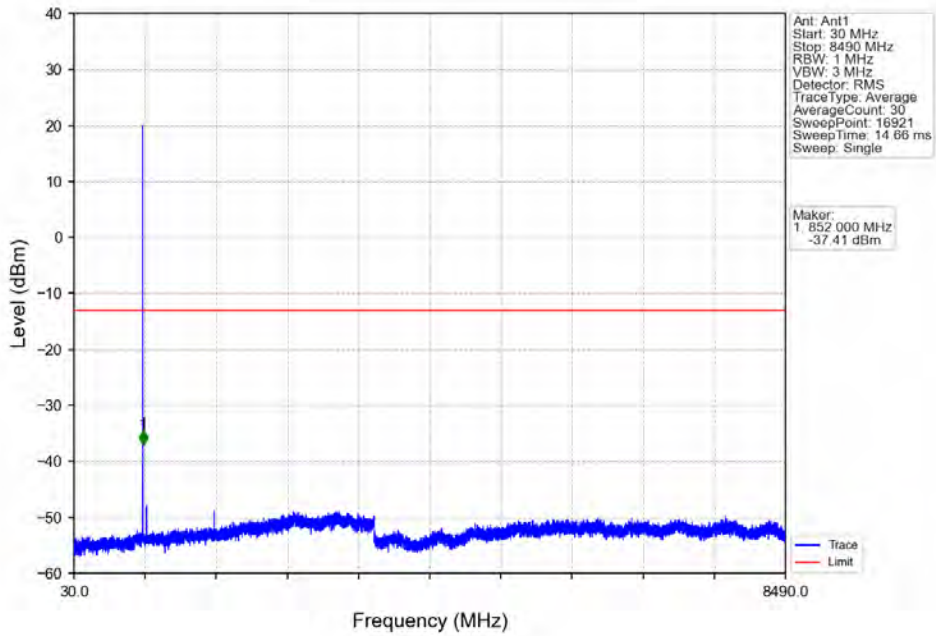


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-38.51	-13	Pass
823	824	0.013	/	2	824.000	-33.30	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

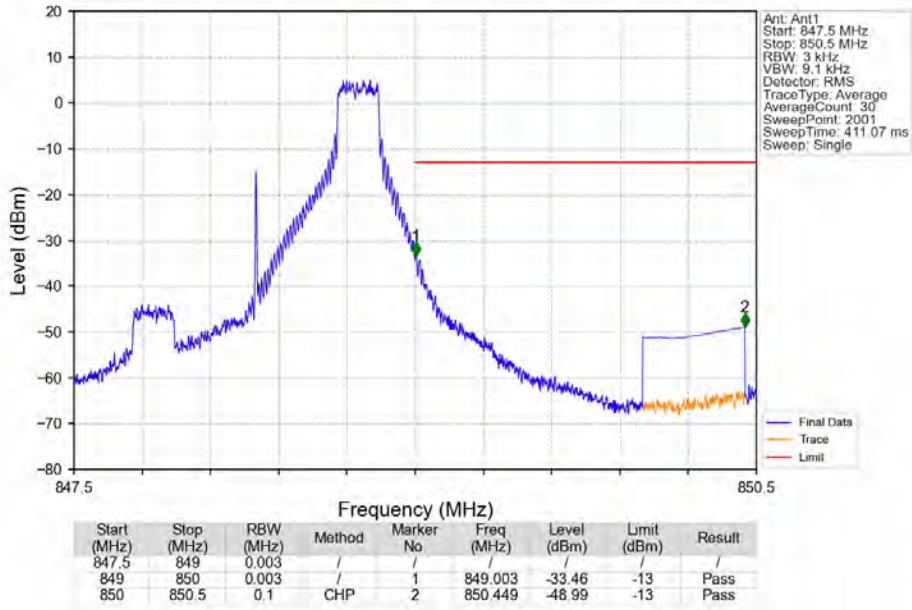
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



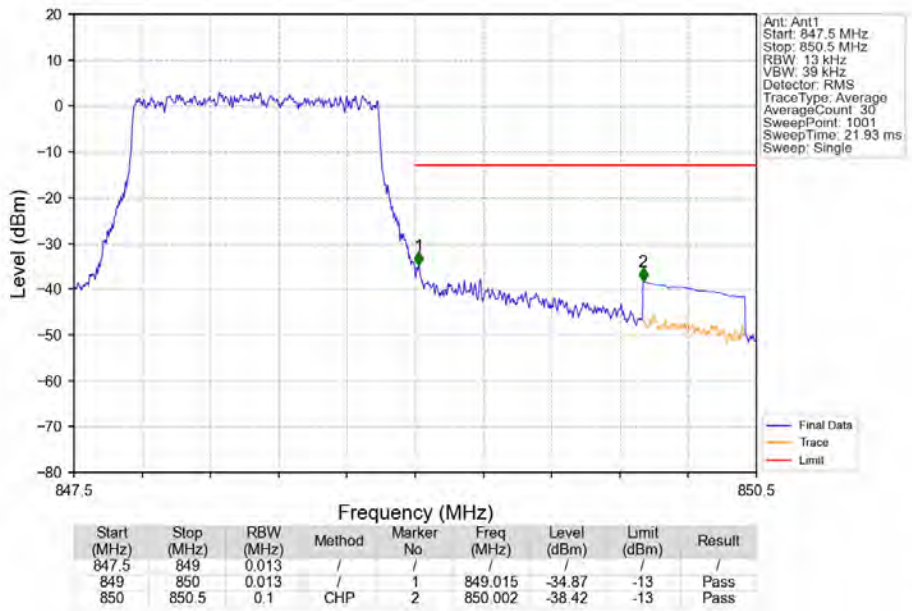
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

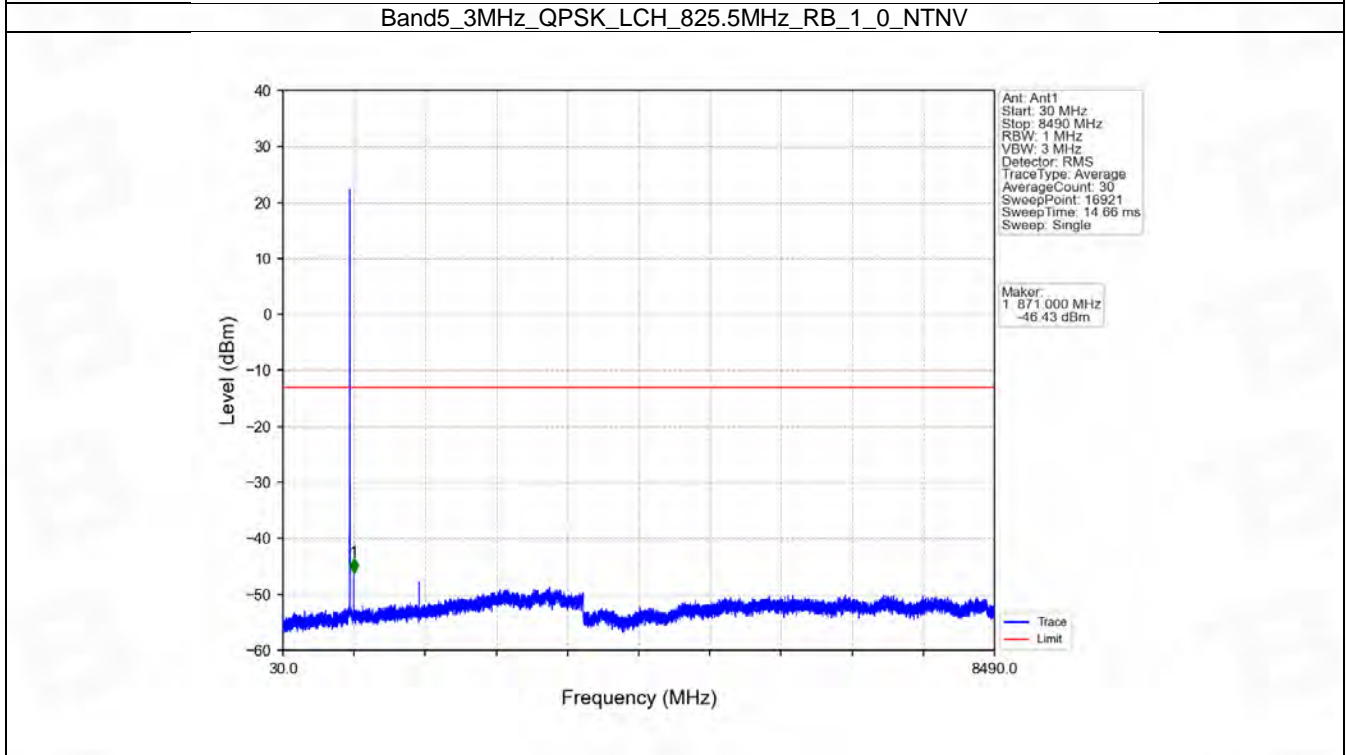
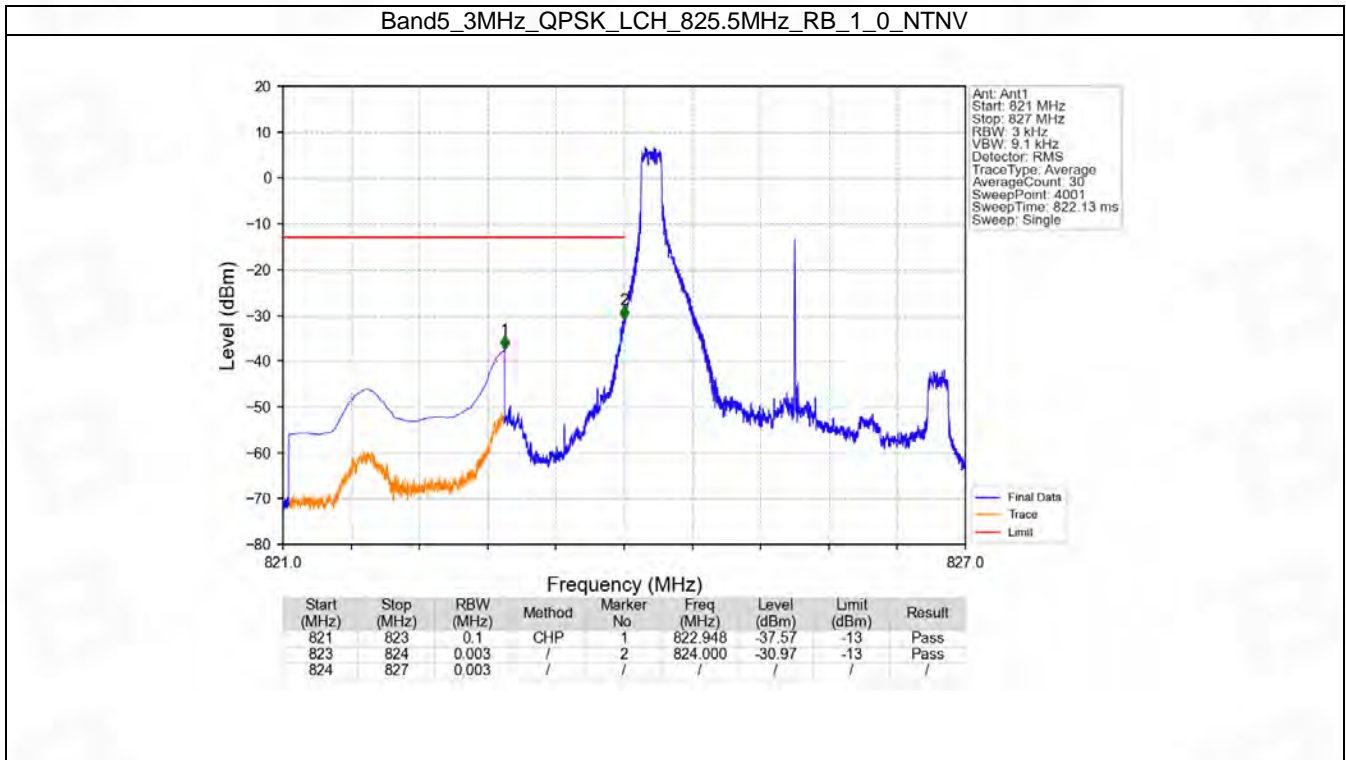


6.2 B5_3MHz

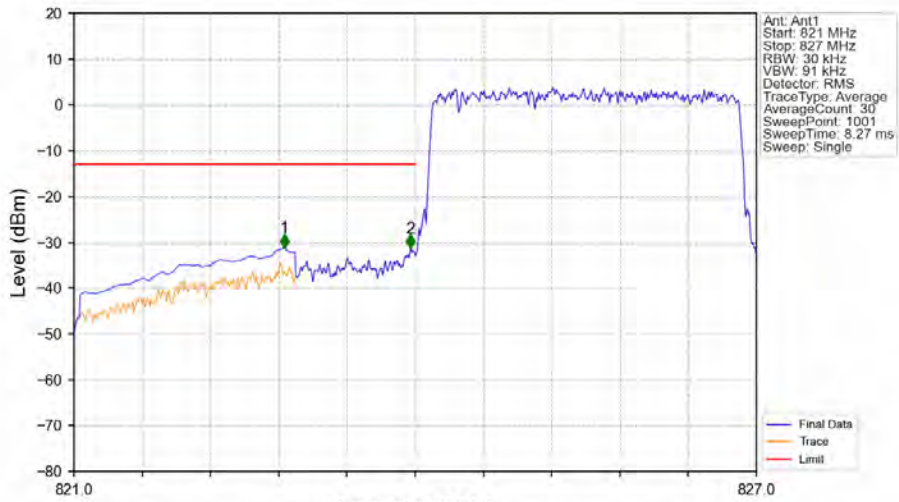
6.2.1 Test Result

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

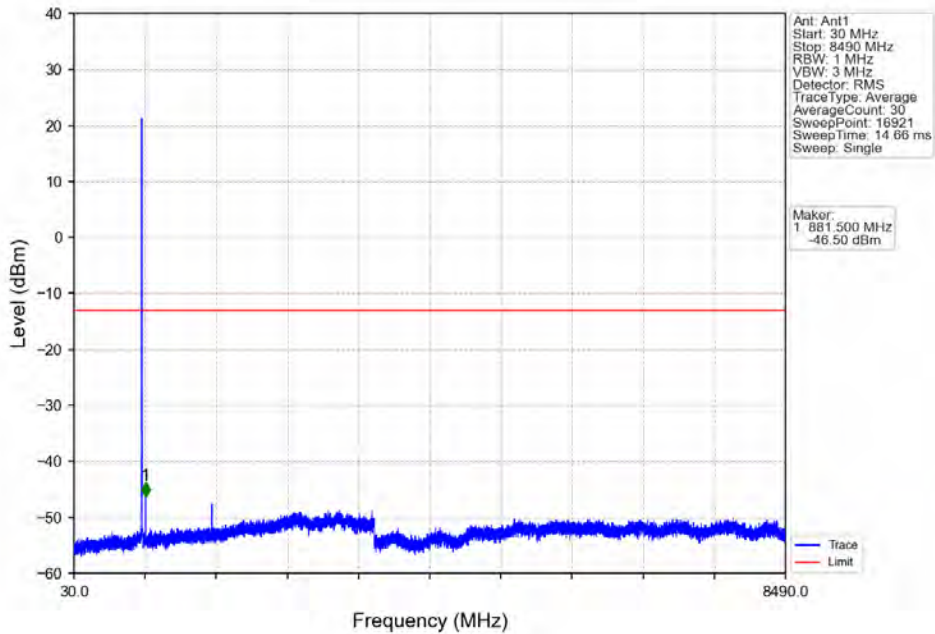


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.848	-31.25	-13	Pass
823	824	0.03	/	2	823.958	-31.39	-13	Pass
824	827	0.03	/	/	/	/	/	/

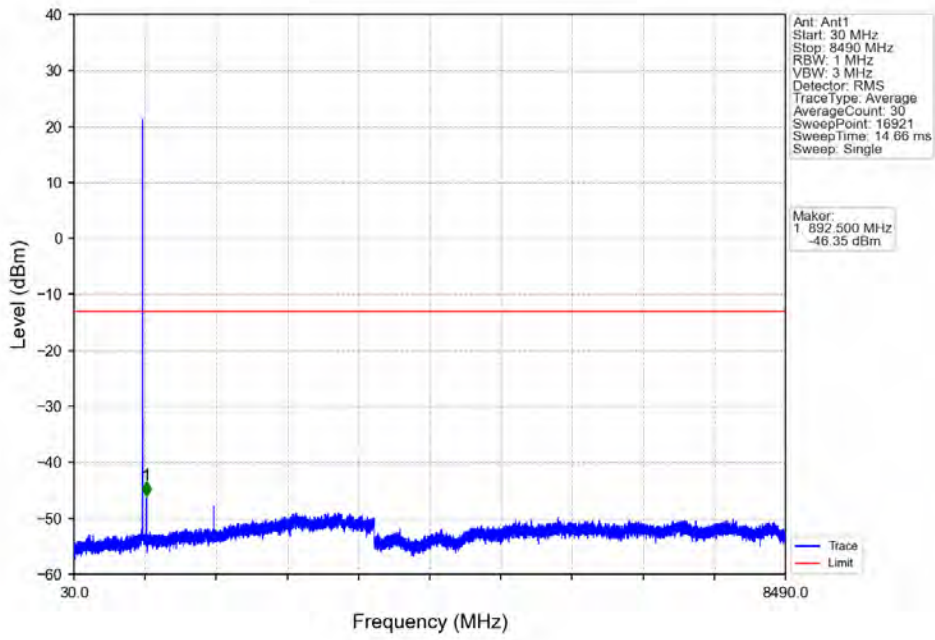
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



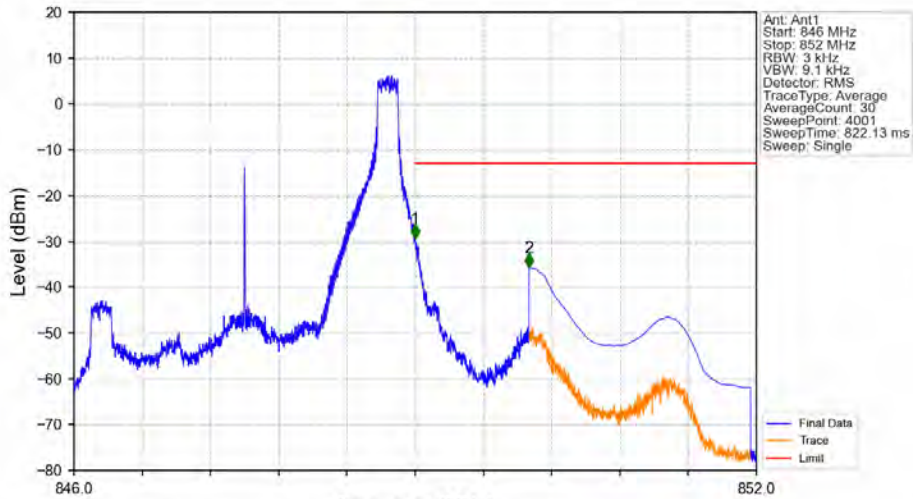
Ant: Ant1
 Start: 30 MHz
 Stop: 8490 MHz
 RBW: 1 MHz
 VBW: 3 MHz
 Detector: RMS
 Trace Type: Average
 Average Count: 30
 Sweep Point: 16921
 Sweep Time: 14.66 ms
 Sweep: Single

Marker:
 1 881.500 MHz
 -46.50 dBm

Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

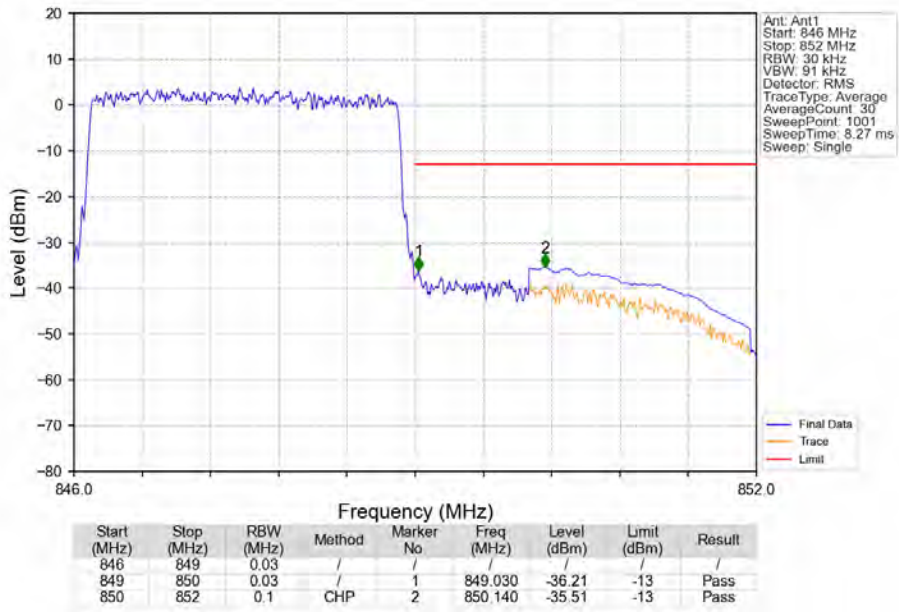


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV

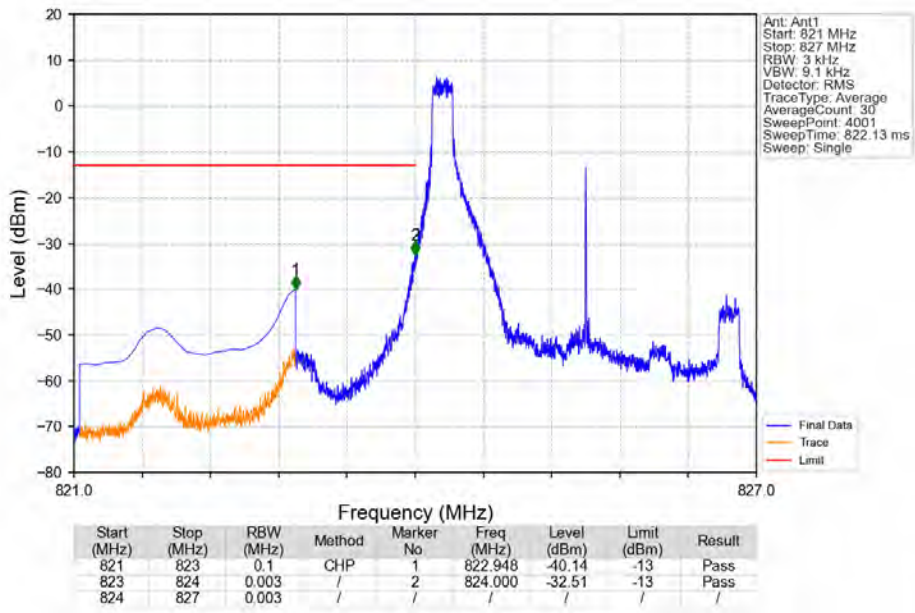


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	1	849.000	-29.45	-13	Pass
849	850	0.003	CHP	2	850.002	-35.80	-13	Pass

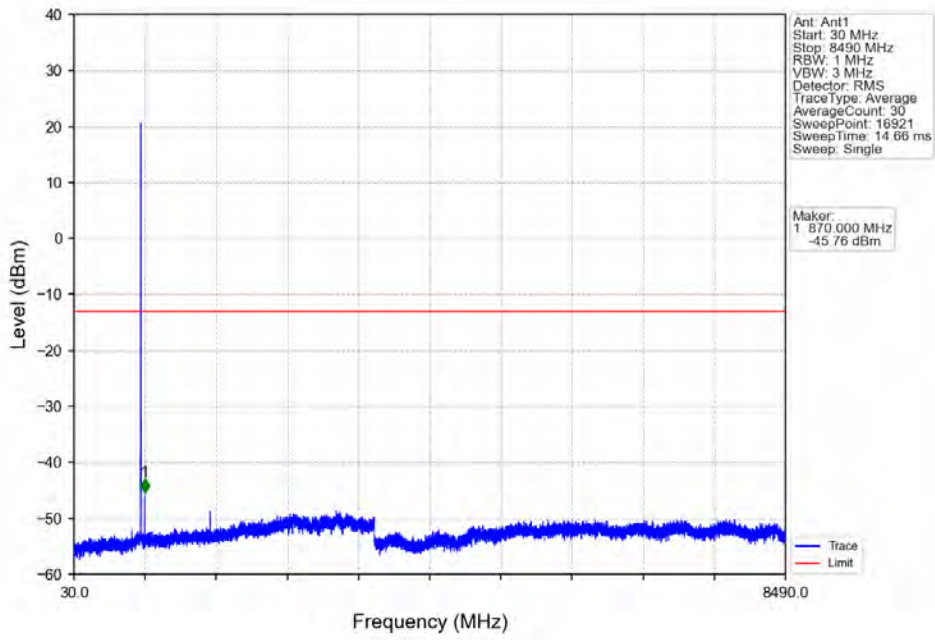
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



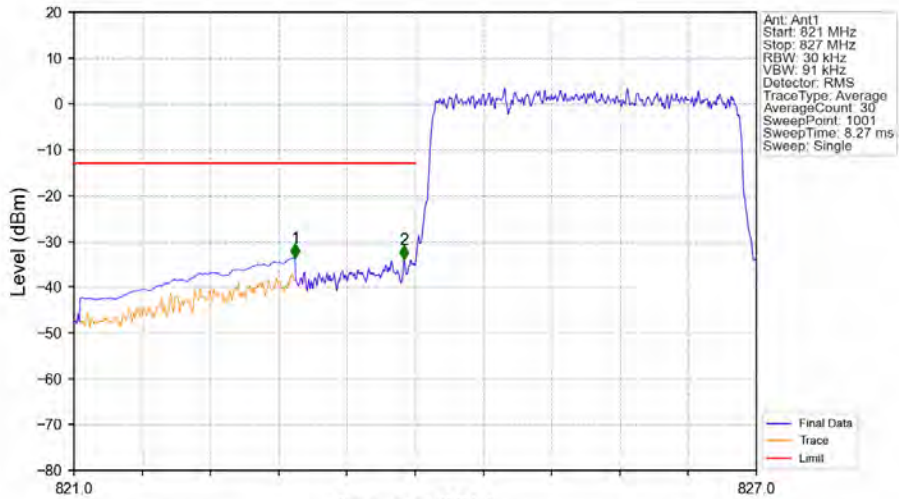
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

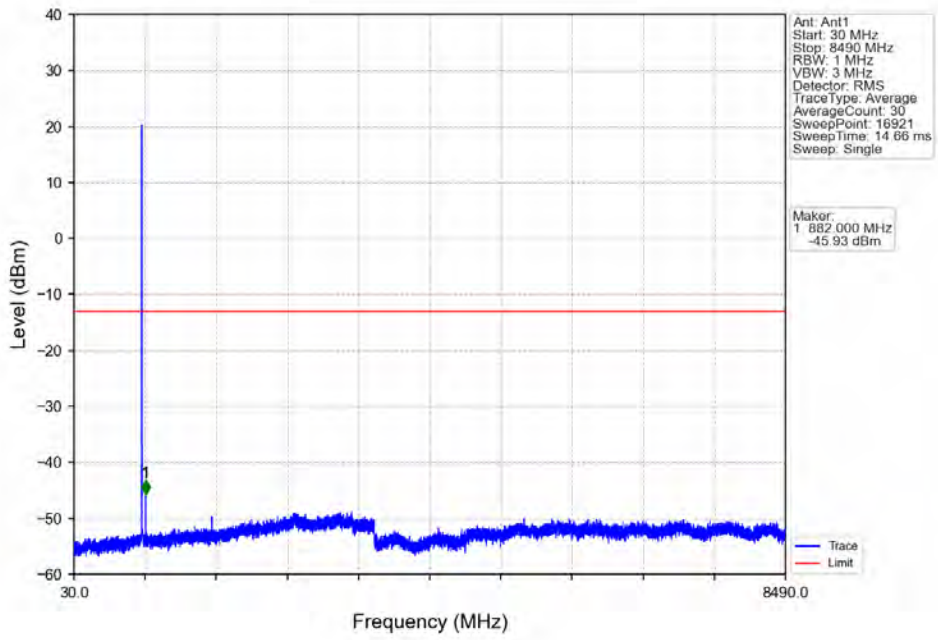


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

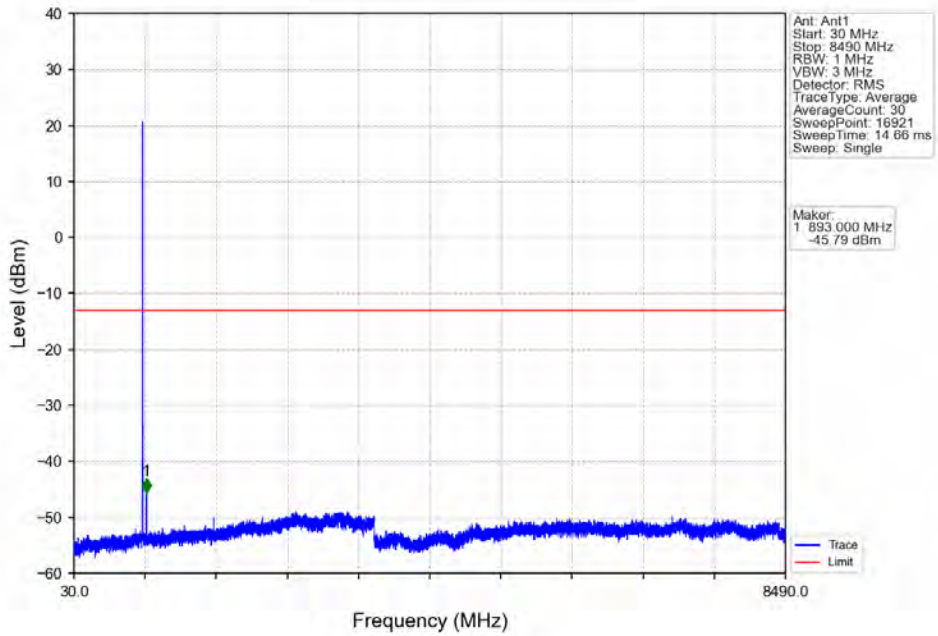


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-33.60	-13	Pass
823	824	0.03	/	2	823.904	-33.96	-13	Pass
824	827	0.03	/	/	/	/	/	/

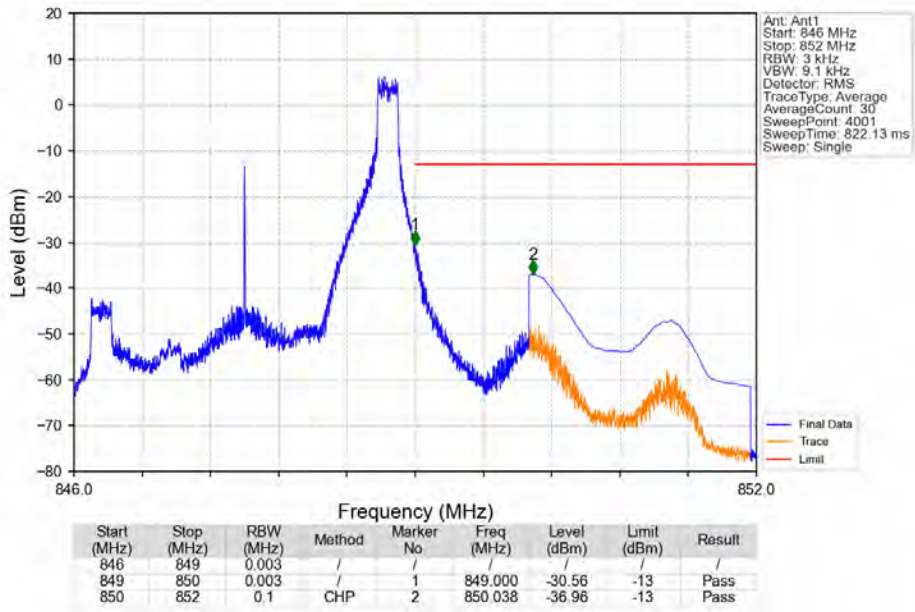
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



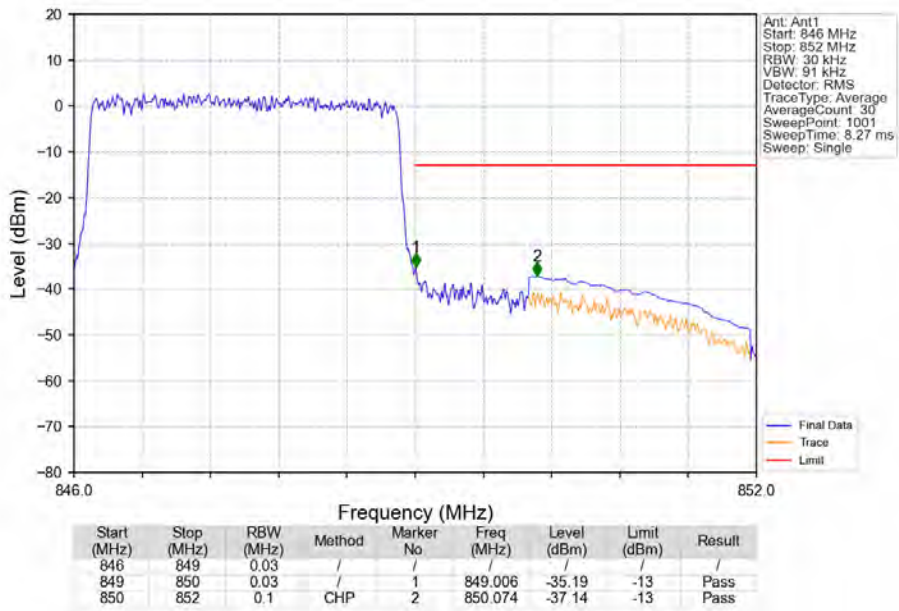
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

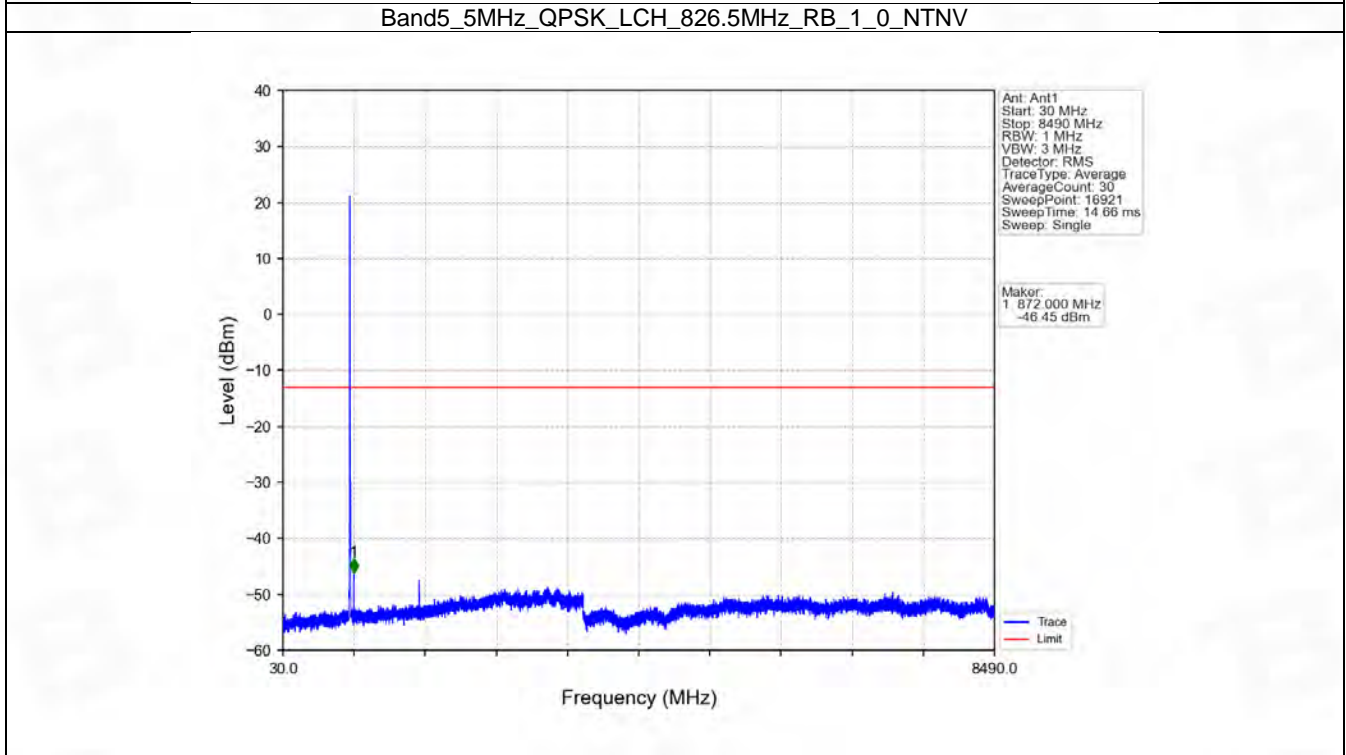
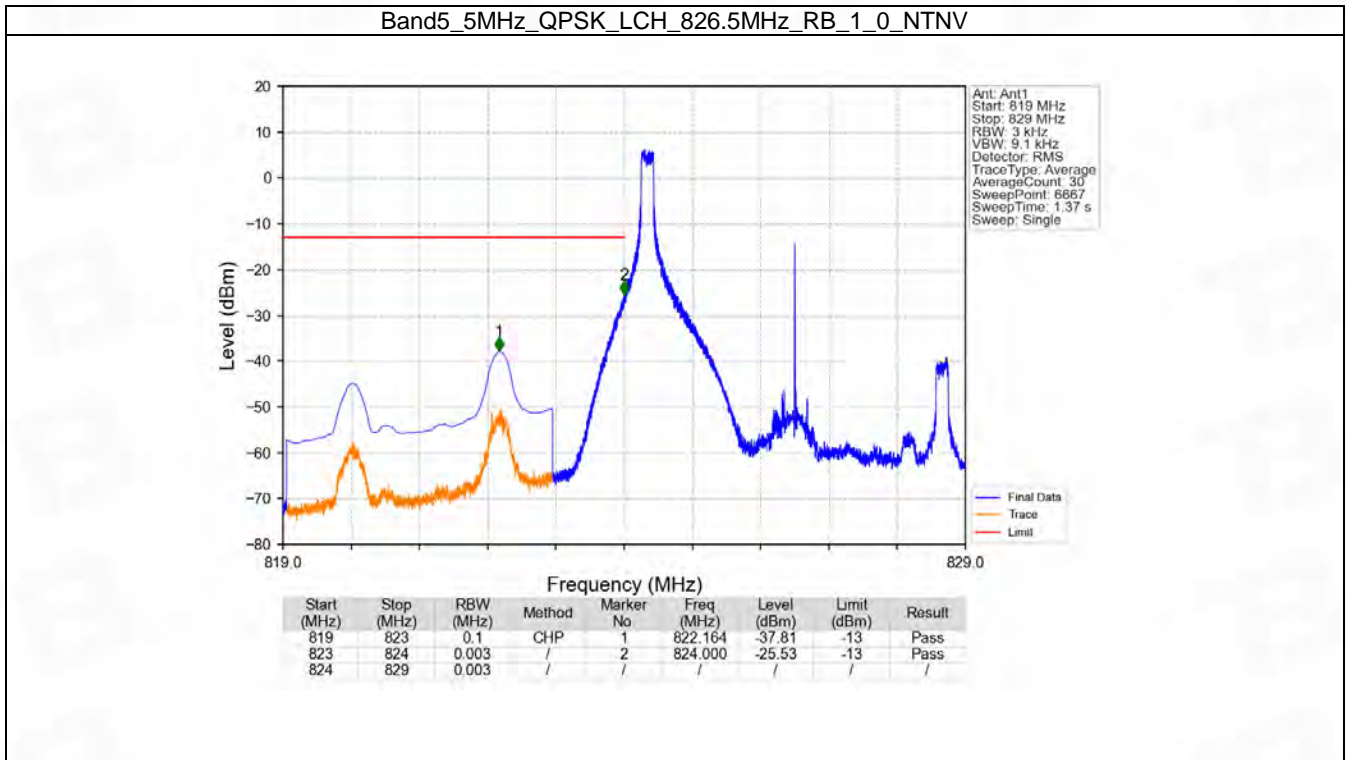


6.3 B5_5MHz

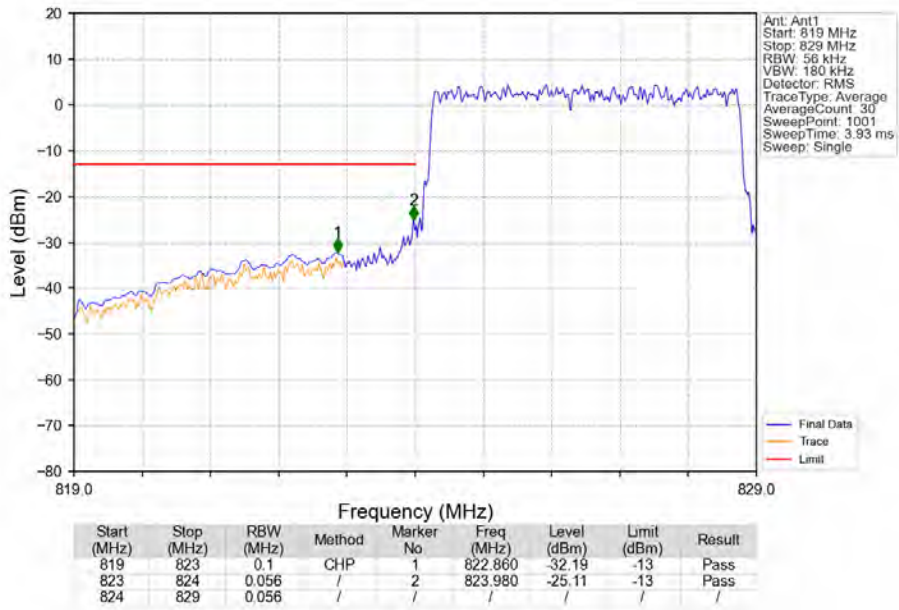
6.3.1 Test Result

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
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
			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
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

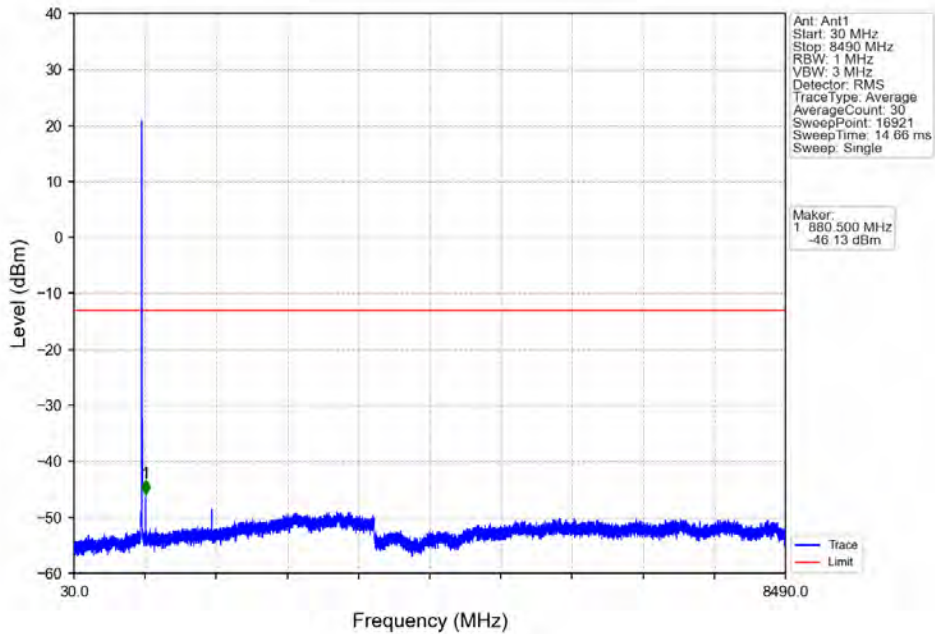
6.3.2 Test Graph



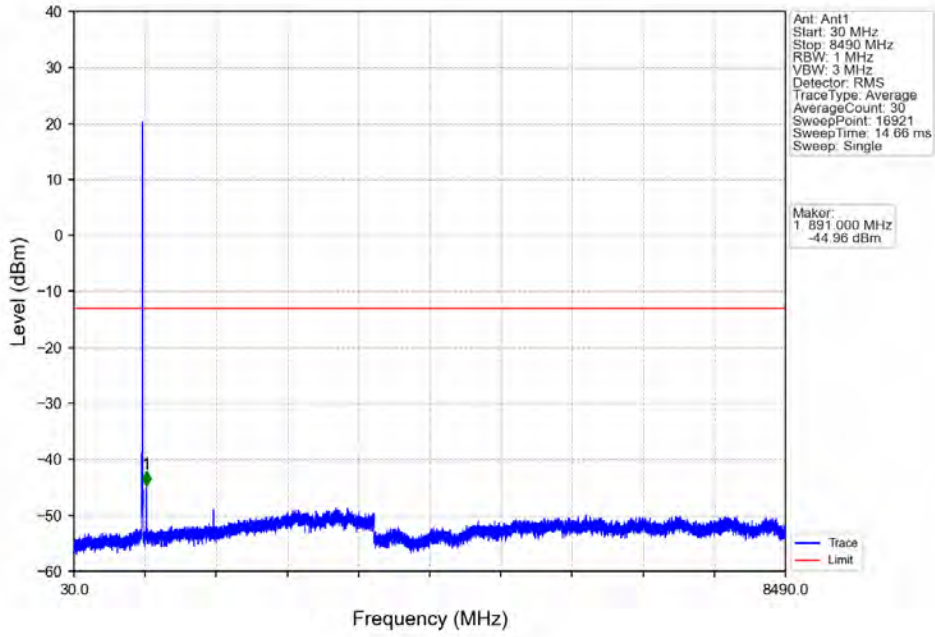
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



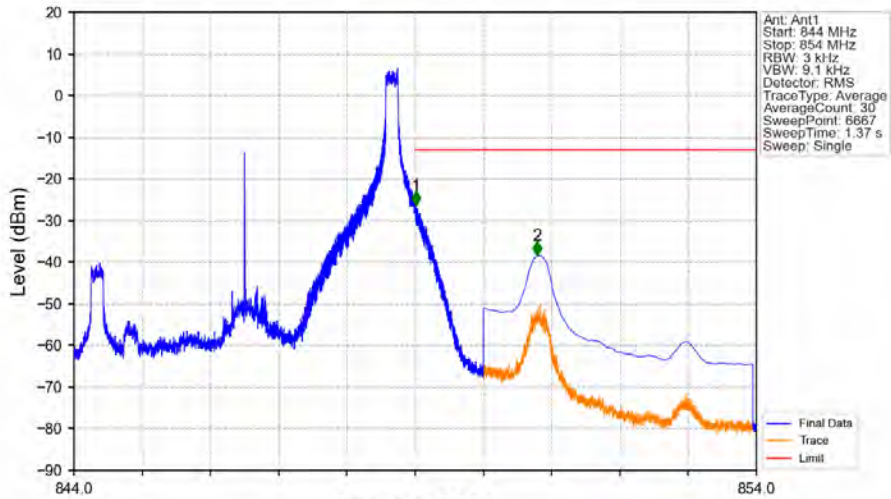
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

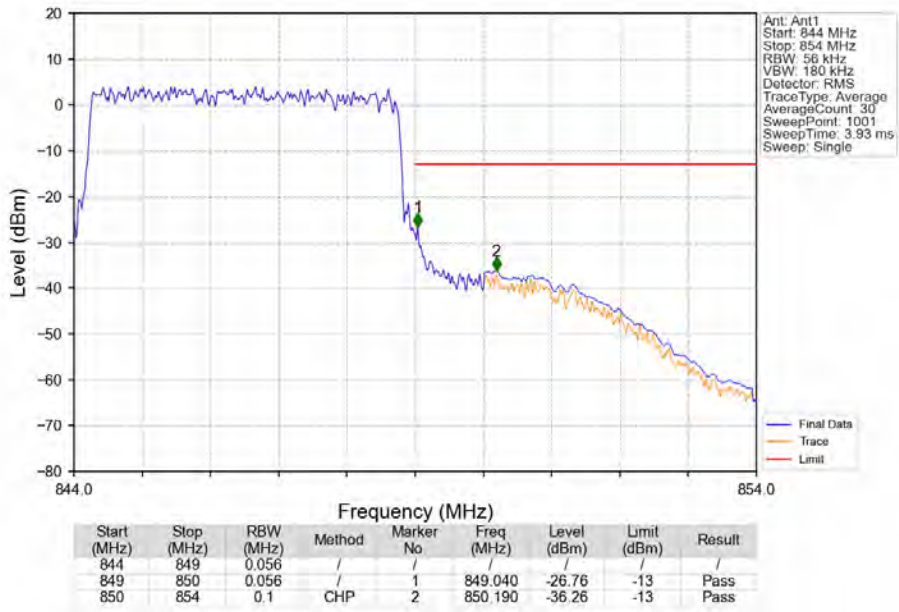


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV

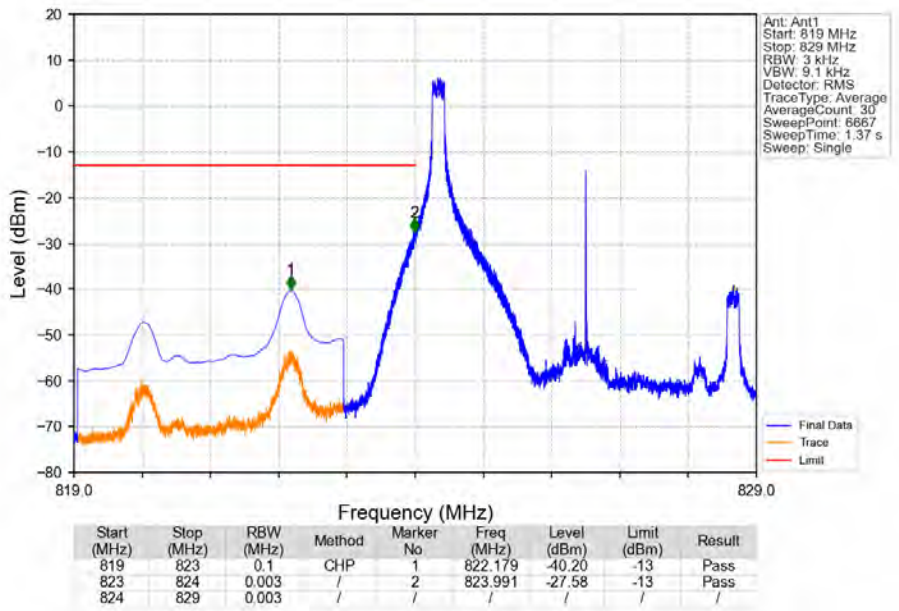


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.011	-26.31	-13	Pass
850	854	0.1	CHP	2	850.788	-38.38	-13	Pass

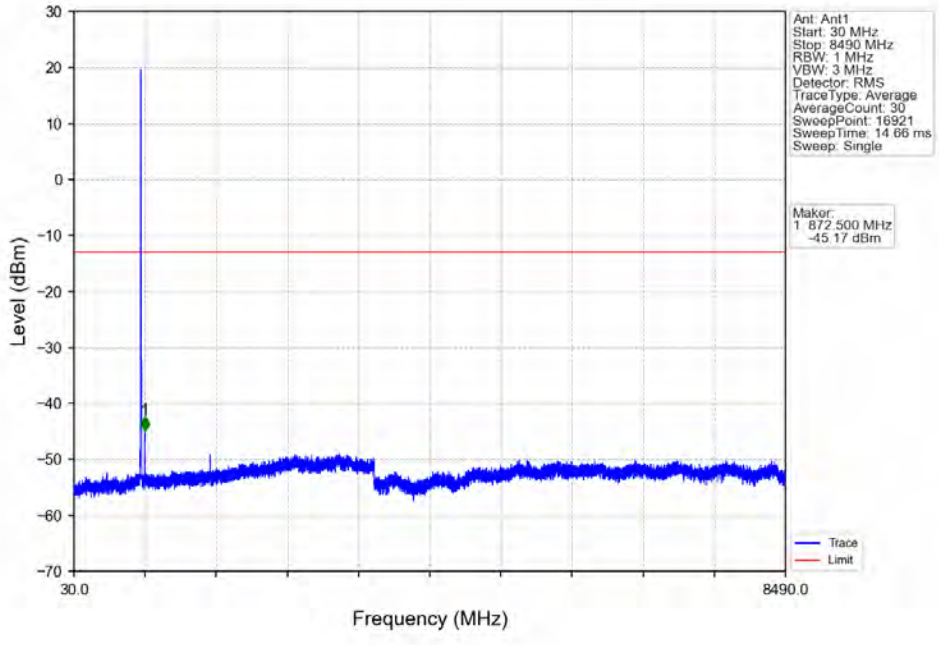
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



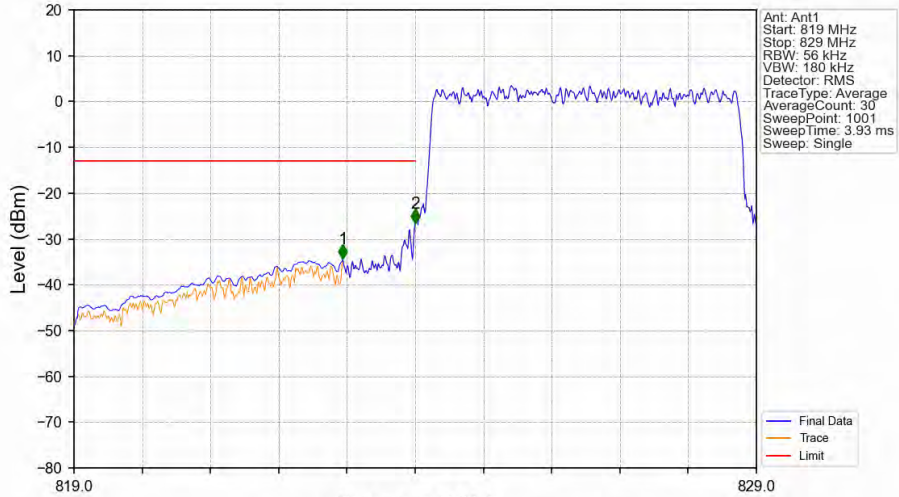
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

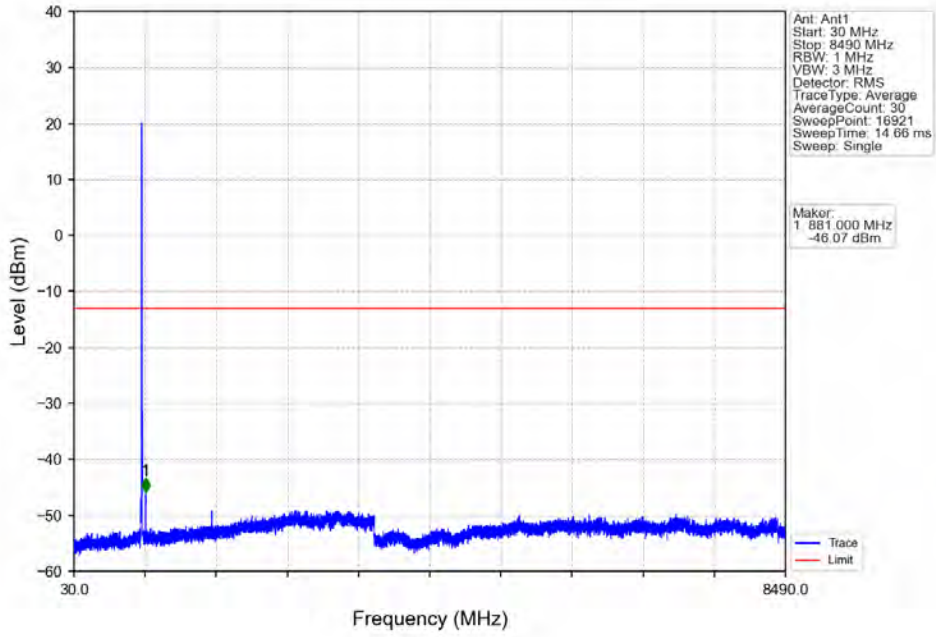


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

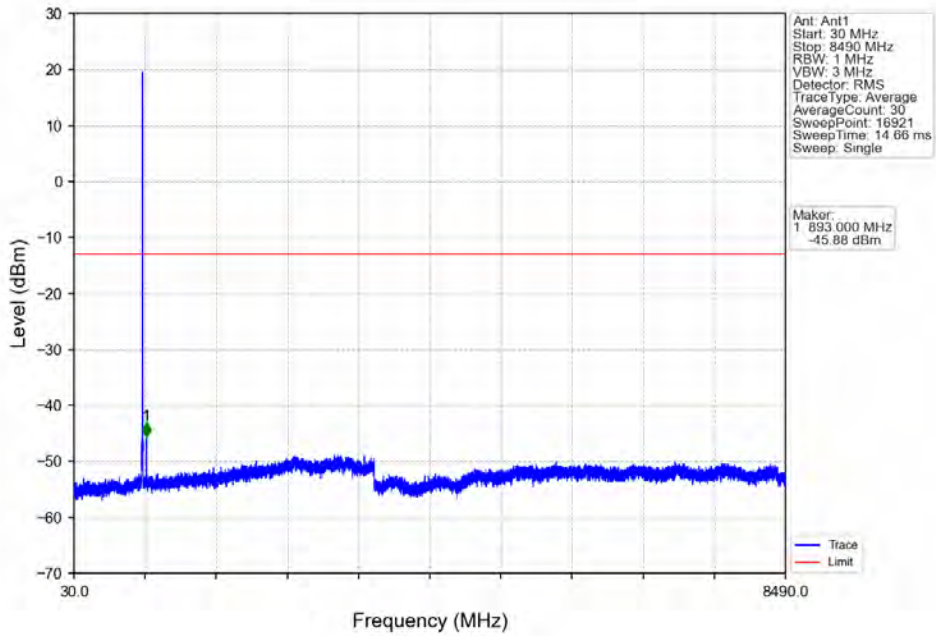


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.940	-34.40	-13	Pass
823	824	0.056	/	2	824.000	-26.53	-13	Pass
824	829	0.056	/	/	/	/	/	/

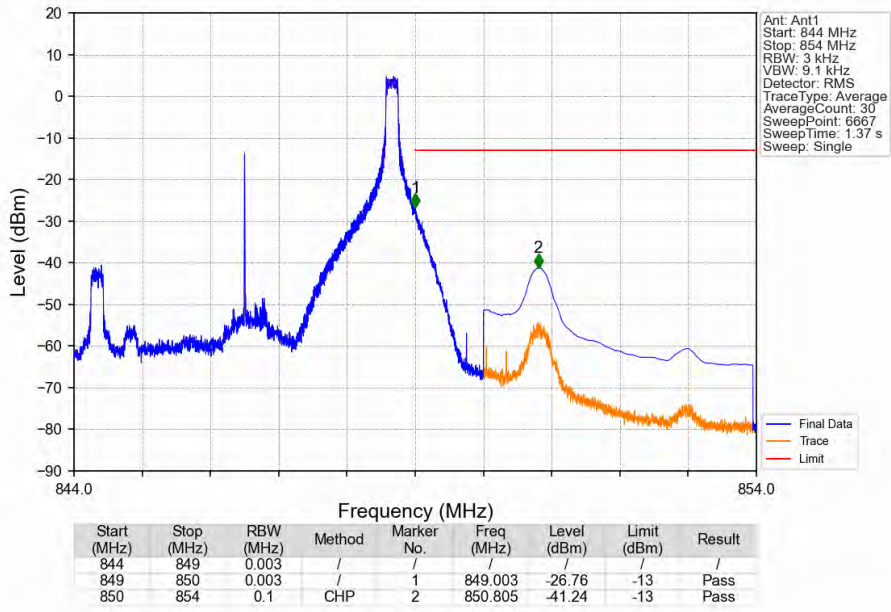
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



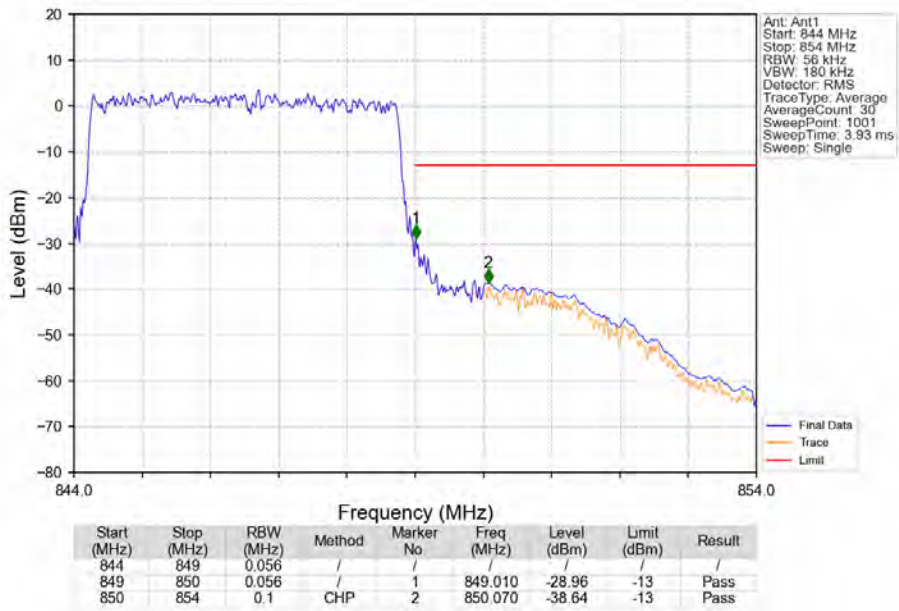
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

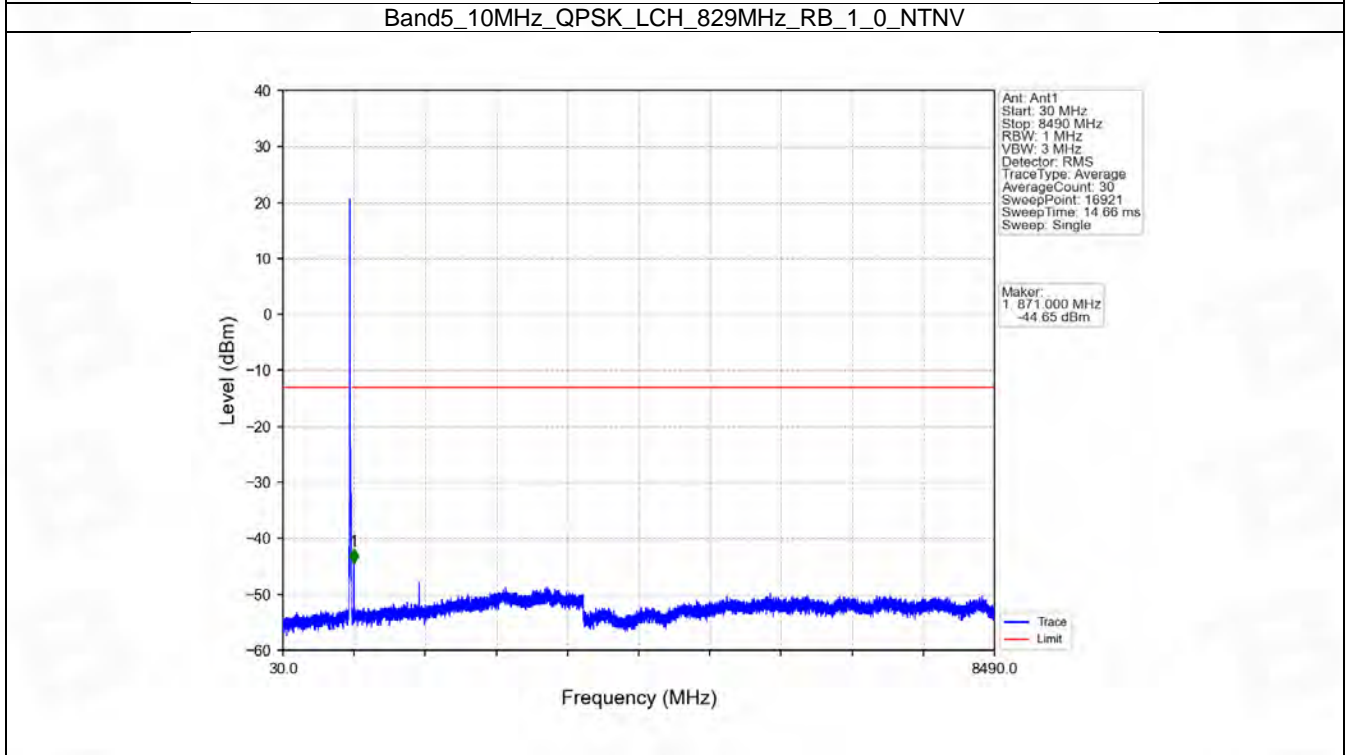
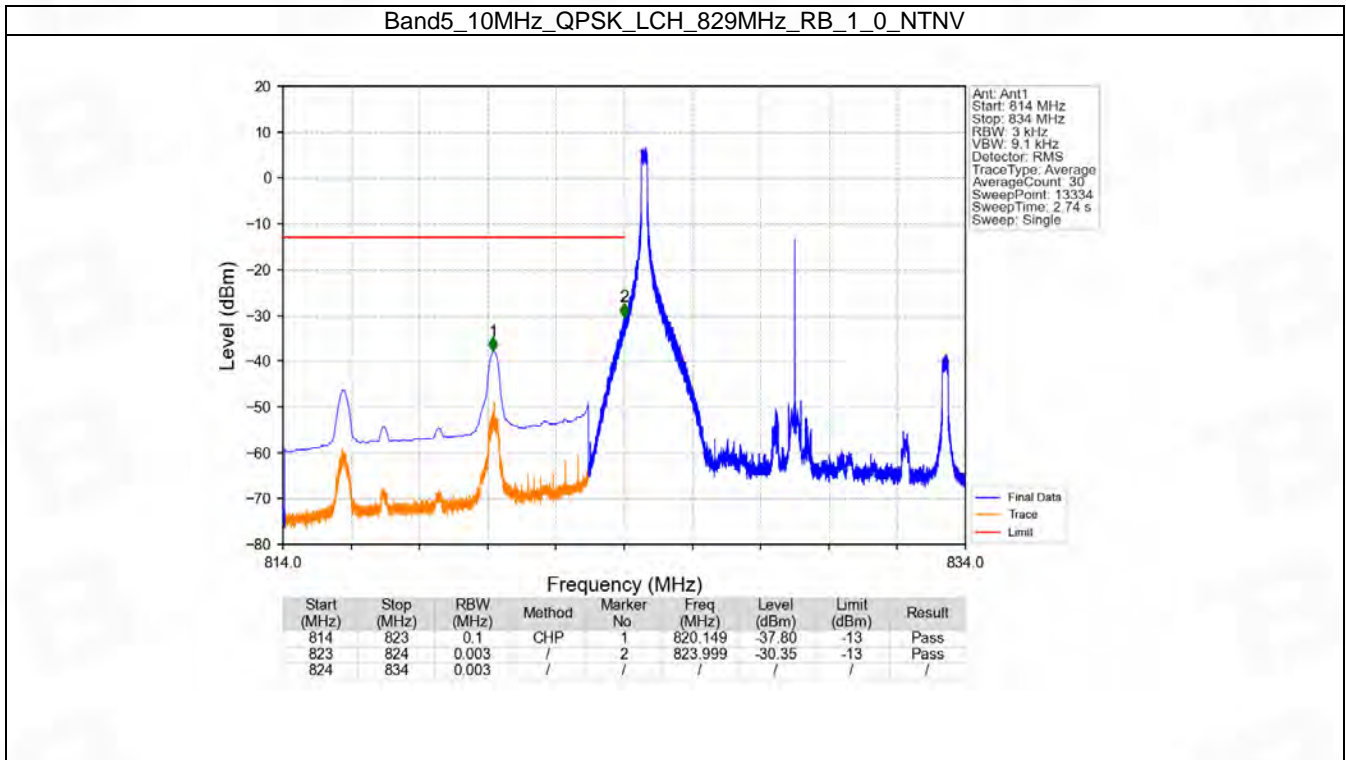


6.4 B5_10MHz

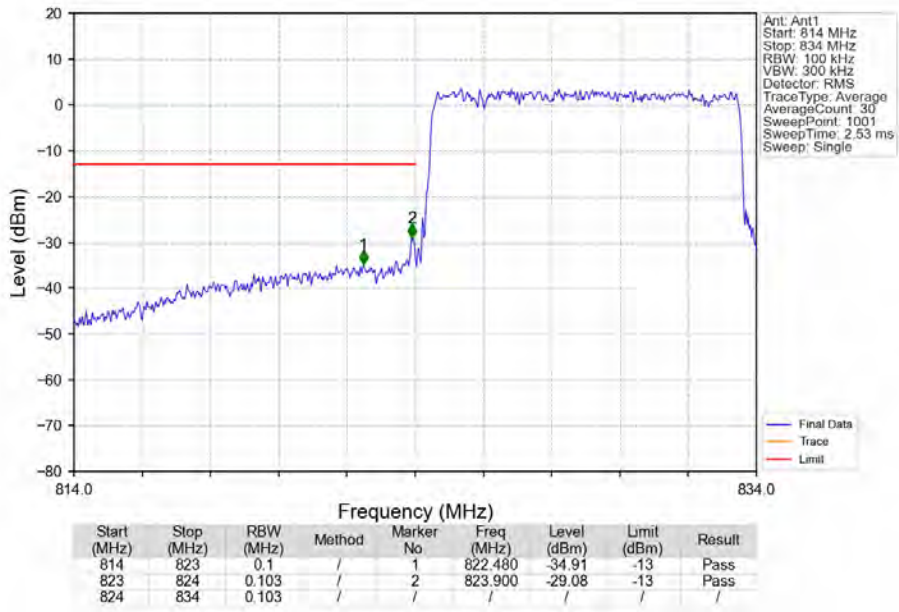
6.4.1 Test Result

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	

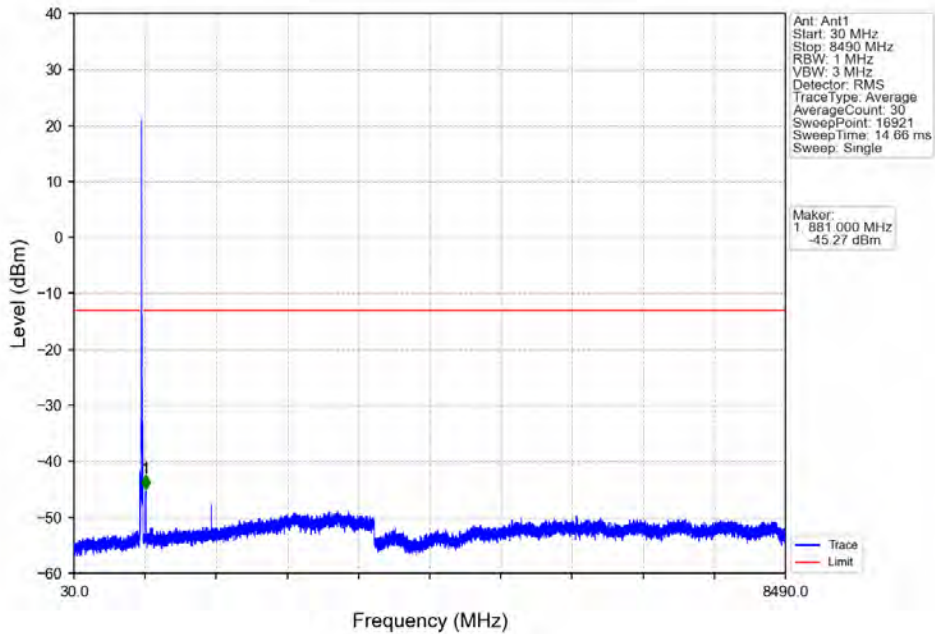
6.4.2 Test Graph



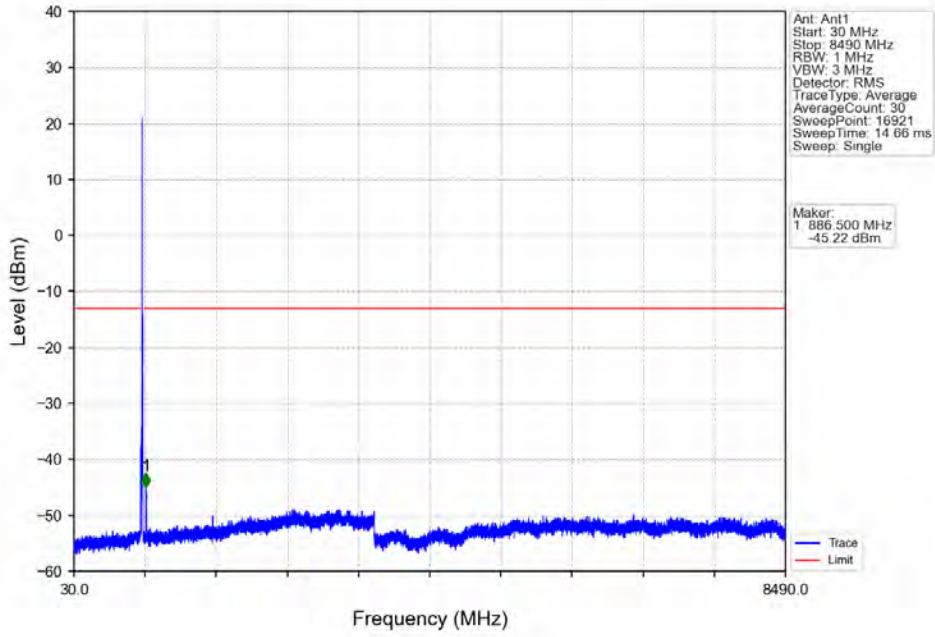
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



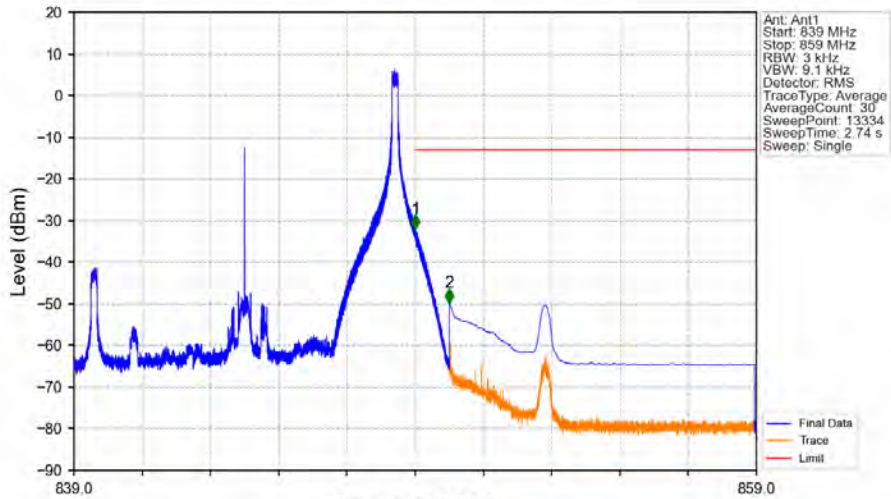
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

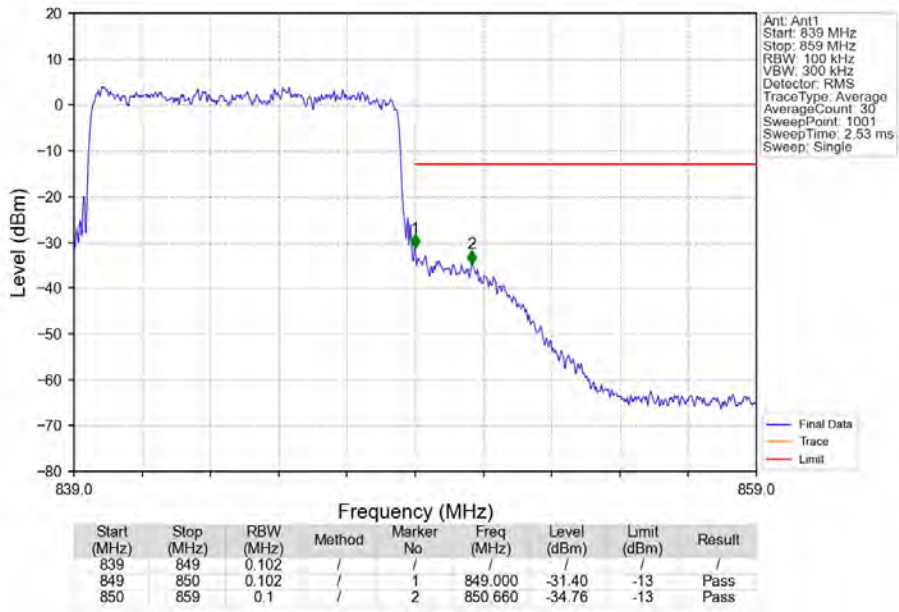


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV

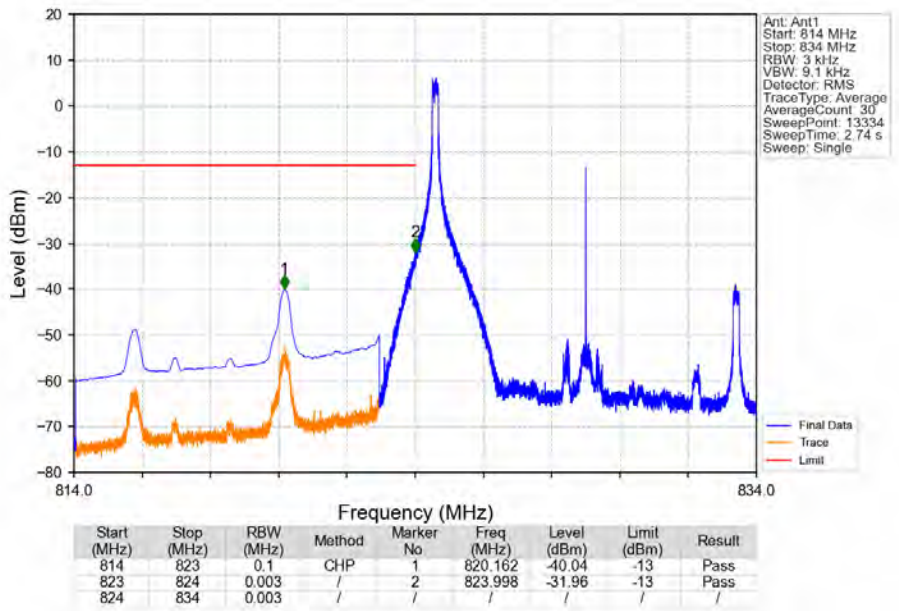


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	1	849.011	-31.99	-13	Pass
849	850	0.003	/	1	849.011	-31.99	-13	Pass
850	859	0.1	CHP	2	850.001	-49.75	-13	Pass

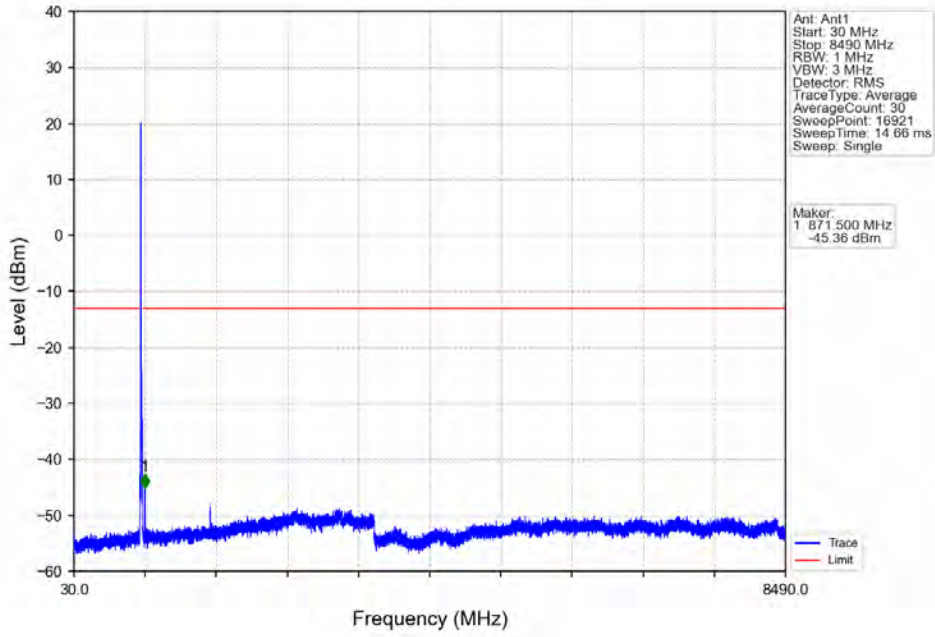
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



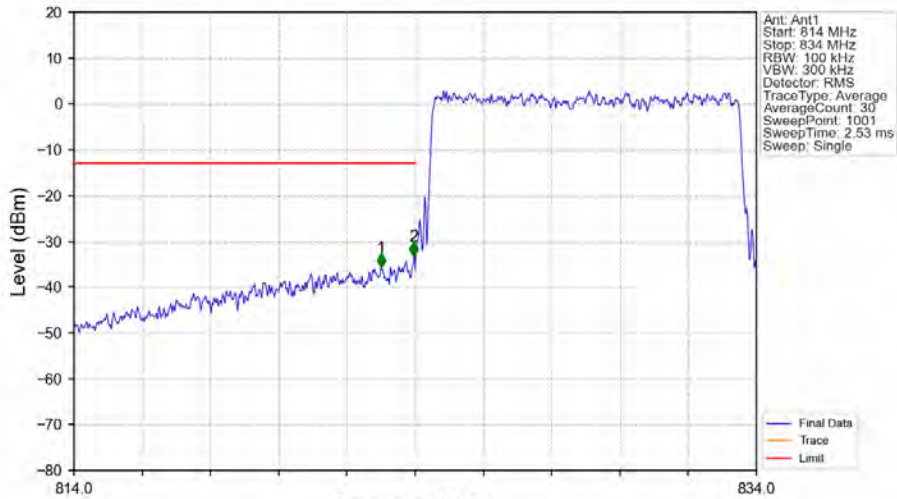
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

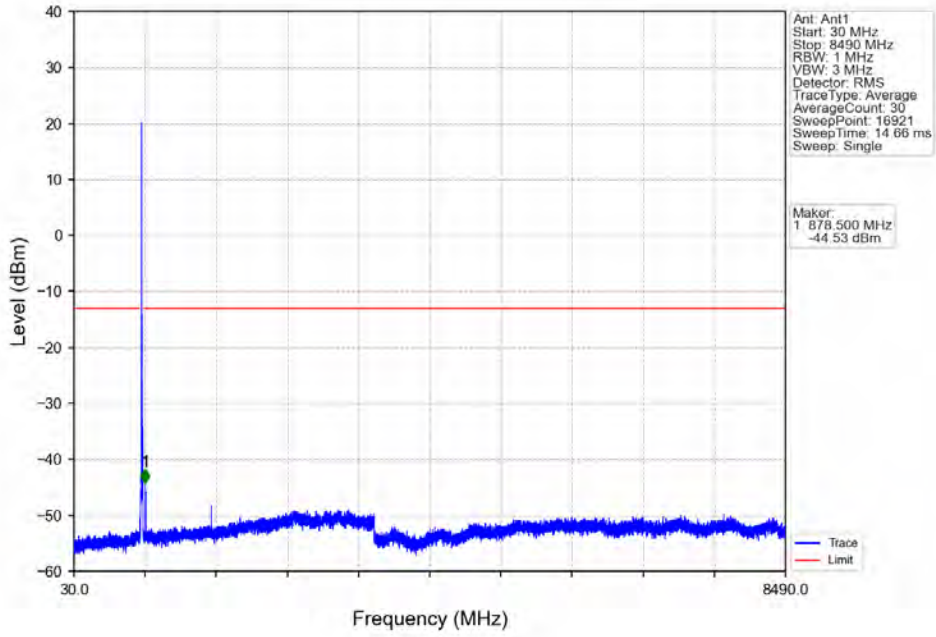


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

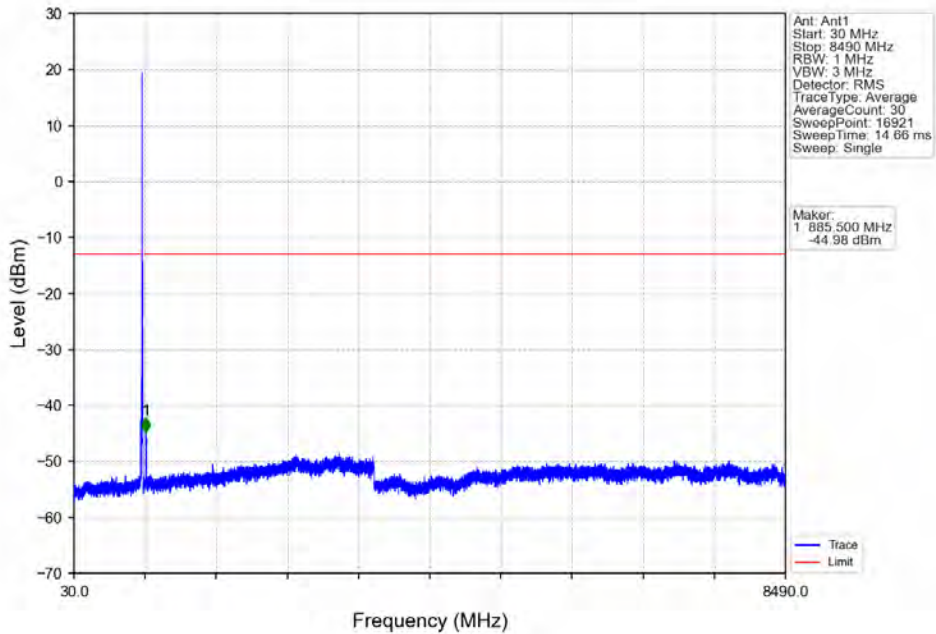


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	823.000	-35.71	-13	Pass
823	824	0.103	/	2	823.960	-33.28	-13	Pass
824	834	0.103	/	/	/	/	/	/

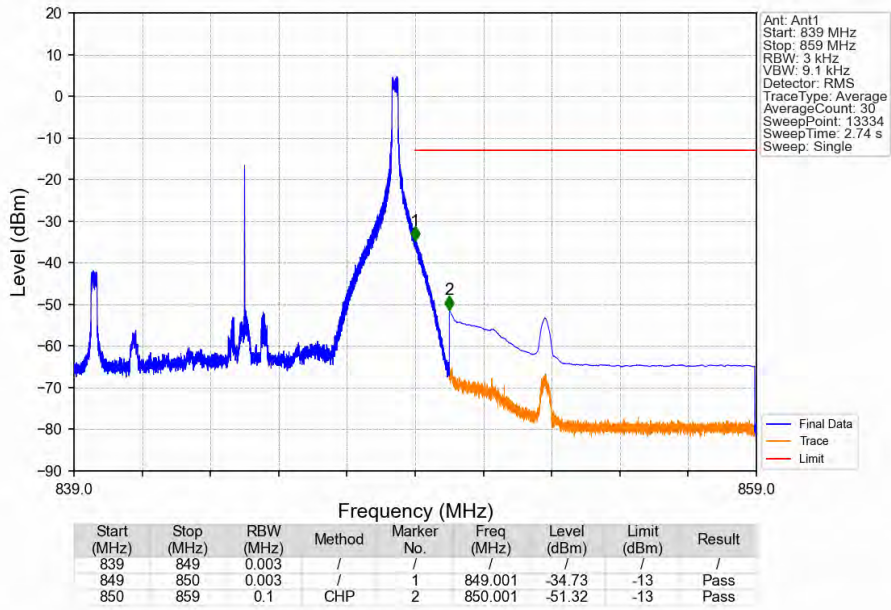
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



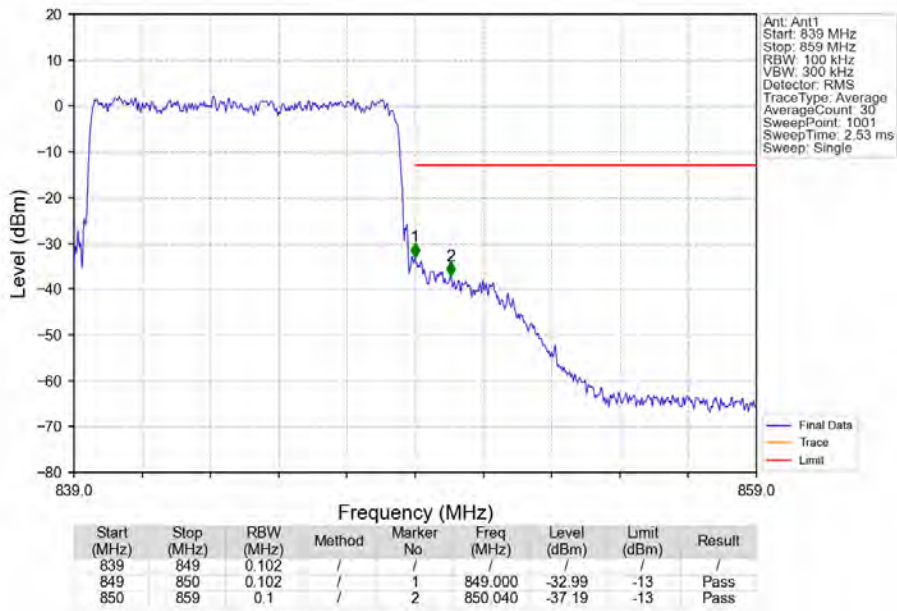
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



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	0.2051	0.0161	ppm	1M12G7D	22H	23.12
5	1.4	824.7	848.3	0.1600	0.0145	ppm	1M11W7D	22H	22.04
5	3	825.5	847.5	0.2133	0.0135	ppm	2M73G7D	22H	23.29
5	3	825.5	847.5	0.1762	0.0148	ppm	2M73W7D	22H	22.46
5	5	826.5	846.5	0.1995	0.0159	ppm	4M58G7D	22H	23.00
5	5	826.5	846.5	0.1614	0.0131	ppm	4M59W7D	22H	22.08
5	10	829	844	0.2084	0.0105	ppm	9M12G7D	22H	23.19
5	10	829	844	0.1679	0.0113	ppm	9M08W7D	22H	22.25

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	0.1396	0.0161	ppm	1M12G7D	22H	21.45
5	1.4	824.7	848.3	0.1089	0.0145	ppm	1M11W7D	22H	20.37
5	3	825.5	847.5	0.1452	0.0135	ppm	2M73G7D	22H	21.62
5	3	825.5	847.5	0.1199	0.0148	ppm	2M73W7D	22H	20.79
5	5	826.5	846.5	0.1358	0.0159	ppm	4M58G7D	22H	21.33
5	5	826.5	846.5	0.1099	0.0131	ppm	4M59W7D	22H	20.41
5	10	829	844	0.1419	0.0105	ppm	9M12G7D	22H	21.52
5	10	829	844	0.1143	0.0113	ppm	9M08W7D	22H	20.58