

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	23.98	-0.71	21.12	<=38.45	Pass
			2	24.02	-0.71	21.16	<=38.45	Pass
			5	23.66	-0.71	20.80	<=38.45	Pass
		3	0	23.56	-0.71	20.70	<=38.45	Pass
			2	23.49	-0.71	20.63	<=38.45	Pass
			3	23.52	-0.71	20.66	<=38.45	Pass
		6	0	22.61	-0.71	19.75	<=38.45	Pass
	836.5	1	0	23.54	-0.71	20.68	<=38.45	Pass
			2	23.62	-0.71	20.76	<=38.45	Pass
			5	23.47	-0.71	20.61	<=38.45	Pass
		3	0	23.61	-0.71	20.75	<=38.45	Pass
			2	23.58	-0.71	20.72	<=38.45	Pass
			3	23.58	-0.71	20.72	<=38.45	Pass
		6	0	22.65	-0.71	19.79	<=38.45	Pass
	848.3	1	0	23.40	-0.71	20.54	<=38.45	Pass
			2	23.54	-0.71	20.68	<=38.45	Pass
			5	23.42	-0.71	20.56	<=38.45	Pass
		3	0	23.52	-0.71	20.66	<=38.45	Pass
			2	23.50	-0.71	20.64	<=38.45	Pass
			3	23.50	-0.71	20.64	<=38.45	Pass
		6	0	22.61	-0.71	19.75	<=38.45	Pass
16QAM	824.7	1	0	22.60	-0.71	19.74	<=38.45	Pass
			2	22.70	-0.71	19.84	<=38.45	Pass
			5	22.62	-0.71	19.76	<=38.45	Pass
		3	0	22.58	-0.71	19.72	<=38.45	Pass
			2	22.54	-0.71	19.68	<=38.45	Pass
			3	22.57	-0.71	19.71	<=38.45	Pass
		6	0	21.56	-0.71	18.70	<=38.45	Pass
	836.5	1	0	22.58	-0.71	19.72	<=38.45	Pass
			2	22.67	-0.71	19.81	<=38.45	Pass
			5	22.60	-0.71	19.74	<=38.45	Pass
		3	0	22.62	-0.71	19.76	<=38.45	Pass
			2	22.57	-0.71	19.71	<=38.45	Pass
			3	22.58	-0.71	19.72	<=38.45	Pass
		6	0	21.79	-0.71	18.93	<=38.45	Pass
	848.3	1	0	22.76	-0.71	19.90	<=38.45	Pass
			2	22.84	-0.71	19.98	<=38.45	Pass
			5	22.74	-0.71	19.88	<=38.45	Pass
		3	0	22.66	-0.71	19.80	<=38.45	Pass
			2	22.59	-0.71	19.73	<=38.45	Pass
			3	22.60	-0.71	19.74	<=38.45	Pass
		6	0	21.63	-0.71	18.77	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B5_3MHz_ERP

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	23.29	-0.71	20.43	<=38.45	Pass
			7	23.41	-0.71	20.55	<=38.45	Pass
			14	23.31	-0.71	20.45	<=38.45	Pass
		8	0	22.53	-0.71	19.67	<=38.45	Pass
			4	22.55	-0.71	19.69	<=38.45	Pass
			7	22.51	-0.71	19.65	<=38.45	Pass
		15	0	22.51	-0.71	19.65	<=38.45	Pass
	836.5	1	0	23.38	-0.71	20.52	<=38.45	Pass
			7	23.47	-0.71	20.61	<=38.45	Pass
			14	23.36	-0.71	20.50	<=38.45	Pass
		8	0	22.55	-0.71	19.69	<=38.45	Pass
			4	22.63	-0.71	19.77	<=38.45	Pass
			7	22.56	-0.71	19.70	<=38.45	Pass
		15	0	22.57	-0.71	19.71	<=38.45	Pass
	847.5	1	0	23.33	-0.71	20.47	<=38.45	Pass
			7	23.48	-0.71	20.62	<=38.45	Pass
			14	23.37	-0.71	20.51	<=38.45	Pass
		8	0	22.52	-0.71	19.66	<=38.45	Pass
			4	22.60	-0.71	19.74	<=38.45	Pass
			7	22.56	-0.71	19.70	<=38.45	Pass
		15	0	22.55	-0.71	19.69	<=38.45	Pass
16QAM	825.5	1	0	22.41	-0.71	19.55	<=38.45	Pass
			7	22.58	-0.71	19.72	<=38.45	Pass
			14	22.50	-0.71	19.64	<=38.45	Pass
		8	0	21.66	-0.71	18.80	<=38.45	Pass
			4	21.72	-0.71	18.86	<=38.45	Pass
			7	21.65	-0.71	18.79	<=38.45	Pass
		15	0	21.53	-0.71	18.67	<=38.45	Pass
	836.5	1	0	22.59	-0.71	19.73	<=38.45	Pass
			7	22.69	-0.71	19.83	<=38.45	Pass
			14	22.52	-0.71	19.66	<=38.45	Pass
		8	0	21.53	-0.71	18.67	<=38.45	Pass
			4	21.60	-0.71	18.74	<=38.45	Pass
			7	21.60	-0.71	18.74	<=38.45	Pass
		15	0	21.60	-0.71	18.74	<=38.45	Pass
	847.5	1	0	22.42	-0.71	19.56	<=38.45	Pass
			7	22.55	-0.71	19.69	<=38.45	Pass
			14	22.35	-0.71	19.49	<=38.45	Pass
		8	0	21.65	-0.71	18.79	<=38.45	Pass
			4	21.75	-0.71	18.89	<=38.45	Pass
			7	21.70	-0.71	18.84	<=38.45	Pass
		15	0	21.58	-0.71	18.72	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B5_5MHz_ERP

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	23.54	-0.71	20.68	<=38.45	Pass
			13	23.70	-0.71	20.84	<=38.45	Pass
			24	23.56	-0.71	20.70	<=38.45	Pass
		12	0	22.58	-0.71	19.72	<=38.45	Pass

	836.5	25		6	22.58	-0.71	19.72	<=38.45	Pass		
				13	22.51	-0.71	19.65	<=38.45	Pass		
				0	22.52	-0.71	19.66	<=38.45	Pass		
		12	1		0	23.63	-0.71	20.77	<=38.45	Pass	
					13	23.74	-0.71	20.88	<=38.45	Pass	
					24	23.63	-0.71	20.77	<=38.45	Pass	
			6		0	22.54	-0.71	19.68	<=38.45	Pass	
					6	22.68	-0.71	19.82	<=38.45	Pass	
					13	22.66	-0.71	19.80	<=38.45	Pass	
				25	0	22.63	-0.71	19.77	<=38.45	Pass	
	846.5	1		0	23.56	-0.71	20.70	<=38.45	Pass		
				13	23.71	-0.71	20.85	<=38.45	Pass		
				24	23.58	-0.71	20.72	<=38.45	Pass		
			12		0	22.61	-0.71	19.75	<=38.45	Pass	
					6	22.66	-0.71	19.80	<=38.45	Pass	
					13	22.61	-0.71	19.75	<=38.45	Pass	
			25	0	22.64	-0.71	19.78	<=38.45	Pass		
		16QAM	826.5	1		0	22.79	-0.71	19.93	<=38.45	Pass
						13	22.89	-0.71	20.03	<=38.45	Pass
					24	22.77	-0.71	19.91	<=38.45	Pass	
	12				0	21.51	-0.71	18.65	<=38.45	Pass	
					6	21.53	-0.71	18.67	<=38.45	Pass	
					13	21.46	-0.71	18.60	<=38.45	Pass	
					25	0	21.56	-0.71	18.70	<=38.45	Pass
836.5				1		0	22.77	-0.71	19.91	<=38.45	Pass
					13	22.93	-0.71	20.07	<=38.45	Pass	
			24		22.79	-0.71	19.93	<=38.45	Pass		
	12			0	21.48	-0.71	18.62	<=38.45	Pass		
				6	21.63	-0.71	18.77	<=38.45	Pass		
				13	21.64	-0.71	18.78	<=38.45	Pass		
				25	0	21.63	-0.71	18.77	<=38.45	Pass	
	846.5		1		0	22.73	-0.71	19.87	<=38.45	Pass	
				13	22.92	-0.71	20.06	<=38.45	Pass		
				24	22.77	-0.71	19.91	<=38.45	Pass		
12				0	21.65	-0.71	18.79	<=38.45	Pass		
				6	21.69	-0.71	18.83	<=38.45	Pass		
				13	21.70	-0.71	18.84	<=38.45	Pass		
				25	0	21.68	-0.71	18.82	<=38.45	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15											

1.1.4 B5_10MHz_ERP

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	23.56	-0.71	20.70	<=38.45	Pass
			25	23.57	-0.71	20.71	<=38.45	Pass
			49	23.62	-0.71	20.76	<=38.45	Pass
		25	0	22.57	-0.71	19.71	<=38.45	Pass
			13	22.62	-0.71	19.76	<=38.45	Pass
			25	22.58	-0.71	19.72	<=38.45	Pass
	836.5	50	0	22.64	-0.71	19.78	<=38.45	Pass
		1	0	23.65	-0.71	20.79	<=38.45	Pass
			25	23.72	-0.71	20.86	<=38.45	Pass
			49	23.74	-0.71	20.88	<=38.45	Pass
		25	0	22.48	-0.71	19.62	<=38.45	Pass

		50	13	22.70	-0.71	19.84	<=38.45	Pass
			25	22.66	-0.71	19.80	<=38.45	Pass
			0	22.60	-0.71	19.74	<=38.45	Pass
	844	1	0	23.62	-0.71	20.76	<=38.45	Pass
			25	23.64	-0.71	20.78	<=38.45	Pass
			49	23.64	-0.71	20.78	<=38.45	Pass
		25	0	22.70	-0.71	19.84	<=38.45	Pass
			13	22.66	-0.71	19.80	<=38.45	Pass
			25	22.61	-0.71	19.75	<=38.45	Pass
		50	0	22.74	-0.71	19.88	<=38.45	Pass
16QAM	829	1	0	22.74	-0.71	19.88	<=38.45	Pass
			25	22.73	-0.71	19.87	<=38.45	Pass
			49	22.86	-0.71	20.00	<=38.45	Pass
		25	0	21.58	-0.71	18.72	<=38.45	Pass
			13	21.60	-0.71	18.74	<=38.45	Pass
			25	21.57	-0.71	18.71	<=38.45	Pass
		50	0	21.57	-0.71	18.71	<=38.45	Pass
	836.5	1	0	22.68	-0.71	19.82	<=38.45	Pass
			25	22.79	-0.71	19.93	<=38.45	Pass
			49	22.73	-0.71	19.87	<=38.45	Pass
		25	0	21.62	-0.71	18.76	<=38.45	Pass
			13	21.77	-0.71	18.91	<=38.45	Pass
			25	21.69	-0.71	18.83	<=38.45	Pass
		50	0	21.57	-0.71	18.71	<=38.45	Pass
	844	1	0	22.77	-0.71	19.91	<=38.45	Pass
			25	22.82	-0.71	19.96	<=38.45	Pass
			49	22.87	-0.71	20.01	<=38.45	Pass
		25	0	21.77	-0.71	18.91	<=38.45	Pass
			13	21.68	-0.71	18.82	<=38.45	Pass
			25	21.67	-0.71	18.81	<=38.45	Pass
		50	0	21.68	-0.71	18.82	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B5_1.4MHz

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	-5.679	-0.0069	-2.5 to 2.5	Pass
					3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
					4.43	5.279	0.0064	-2.5 to 2.5	Pass
				-30	3.85	-7.696	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	5.608	0.0068	-2.5 to 2.5	Pass
				-10	3.85	-1.273	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-2.418	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-5.221	-0.0063	-2.5 to 2.5	Pass
				40	3.85	3.920	0.0048	-2.5 to 2.5	Pass
				50	3.85	-9.184	-0.0111	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-12.231	-0.0146	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0004	-2.5 to 2.5	Pass

					4.43	-5.736	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-11.315	-0.0135	-2.5 to 2.5	Pass
				-10	3.85	1.230	0.0015	-2.5 to 2.5	Pass
				0	3.85	4.992	0.0060	-2.5 to 2.5	Pass
				10	3.85	-8.211	-0.0098	-2.5 to 2.5	Pass
				30	3.85	1.187	0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0080	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-8.998	-0.0106	-2.5 to 2.5	Pass
					3.85	1.688	0.0020	-2.5 to 2.5	Pass
					4.43	-4.807	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	9.542	0.0112	-2.5 to 2.5	Pass
				-20	3.85	2.832	0.0033	-2.5 to 2.5	Pass
				-10	3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-7.310	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-5.980	-0.0070	-2.5 to 2.5	Pass
				30	3.85	4.234	0.0050	-2.5 to 2.5	Pass
				40	3.85	-2.432	-0.0029	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	1.602	0.0019	-2.5 to 2.5	Pass
					3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
					4.43	-8.483	-0.0103	-2.5 to 2.5	Pass
				-30	3.85	-3.633	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	2.117	0.0026	-2.5 to 2.5	Pass
				-10	3.85	-3.033	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				10	3.85	5.608	0.0068	-2.5 to 2.5	Pass
				30	3.85	-1.802	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-4.764	-0.0058	-2.5 to 2.5	Pass
				50	3.85	4.106	0.0050	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-5.980	-0.0071	-2.5 to 2.5	Pass
					3.85	-6.723	-0.0080	-2.5 to 2.5	Pass
					4.43	-1.917	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	5.307	0.0063	-2.5 to 2.5	Pass
				-20	3.85	4.807	0.0057	-2.5 to 2.5	Pass
				-10	3.85	-4.563	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-10.800	-0.0129	-2.5 to 2.5	Pass
				10	3.85	5.479	0.0065	-2.5 to 2.5	Pass
				30	3.85	-3.233	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-9.570	-0.0114	-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	-0.987	-0.0012	-2.5 to 2.5	Pass
					3.85	1.674	0.0020	-2.5 to 2.5	Pass
					4.43	-4.706	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-6.666	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-4.978	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	5.264	0.0062	-2.5 to 2.5	Pass
				0	3.85	-6.495	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-4.478	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-7.153	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass

2.1.2 B5_3MHz

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	0.114	0.0001	-2.5 to 2.5	Pass
					3.85	7.610	0.0092	-2.5 to 2.5	Pass
					4.43	-8.297	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	2.017	0.0024	-2.5 to 2.5	Pass
				-20	3.85	-6.351	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-8.683	-0.0105	-2.5 to 2.5	Pass
				0	3.85	-2.575	-0.0031	-2.5 to 2.5	Pass
				10	3.85	7.610	0.0092	-2.5 to 2.5	Pass
				30	3.85	-1.116	-0.0014	-2.5 to 2.5	Pass
				40	3.85	2.017	0.0024	-2.5 to 2.5	Pass
				50	3.85	4.835	0.0059	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-5.178	-0.0062	-2.5 to 2.5	Pass
					3.85	0.372	0.0004	-2.5 to 2.5	Pass
					4.43	4.220	0.0050	-2.5 to 2.5	Pass
				-30	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-3.662	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-6.151	-0.0074	-2.5 to 2.5	Pass
				0	3.85	1.202	0.0014	-2.5 to 2.5	Pass
				10	3.85	3.133	0.0037	-2.5 to 2.5	Pass
				30	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-2.646	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-6.008	-0.0072	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-12.560	-0.0148	-2.5 to 2.5	Pass
					3.85	-5.980	-0.0071	-2.5 to 2.5	Pass
					4.43	-12.045	-0.0142	-2.5 to 2.5	Pass
				-30	3.85	1.745	0.0021	-2.5 to 2.5	Pass
				-20	3.85	-1.287	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.980	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-7.610	-0.0090	-2.5 to 2.5	Pass
				50	3.85	0.014	0.0000	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	1.445	0.0018	-2.5 to 2.5	Pass
					3.85	2.360	0.0029	-2.5 to 2.5	Pass
					4.43	-7.524	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	2.503	0.0030	-2.5 to 2.5	Pass
				0	3.85	-1.502	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
				30	3.85	3.362	0.0041	-2.5 to 2.5	Pass
				40	3.85	-4.363	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-3.233	-0.0039	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-3.204	-0.0038	-2.5 to 2.5	Pass
					3.85	1.044	0.0012	-2.5 to 2.5	Pass
					4.43	-5.736	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	2.832	0.0034	-2.5 to 2.5	Pass
				-20	3.85	2.646	0.0032	-2.5 to 2.5	Pass
				-10	3.85	-8.912	-0.0107	-2.5 to 2.5	Pass
				0	3.85	1.359	0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.403	-0.0029	-2.5 to 2.5	Pass
				30	3.85	2.875	0.0034	-2.5 to 2.5	Pass
				40	3.85	4.807	0.0057	-2.5 to 2.5	Pass
				50	3.85	1.516	0.0018	-2.5 to 2.5	Pass

	847.5	15	0	20	3.27	0.558	0.0007	-2.5 to 2.5	Pass
					3.85	-10.114	-0.0119	-2.5 to 2.5	Pass
					4.43	0.329	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	2.074	0.0024	-2.5 to 2.5	Pass
				-10	3.85	-9.313	-0.0110	-2.5 to 2.5	Pass
				0	3.85	4.148	0.0049	-2.5 to 2.5	Pass
				10	3.85	-2.861	-0.0034	-2.5 to 2.5	Pass
				30	3.85	0.486	0.0006	-2.5 to 2.5	Pass
				40	3.85	2.332	0.0028	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0003	-2.5 to 2.5	Pass

2.1.3 B5_5MHz

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	-0.014	0.0000	-2.5 to 2.5	Pass
					3.85	1.388	0.0017	-2.5 to 2.5	Pass
					4.43	1.001	0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.645	0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.233	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-6.123	-0.0074	-2.5 to 2.5	Pass
				0	3.85	0.758	0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.531	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-6.337	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-5.622	-0.0068	-2.5 to 2.5	Pass
				50	3.85	0.501	0.0006	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-3.963	-0.0047	-2.5 to 2.5	Pass
					3.85	-9.055	-0.0108	-2.5 to 2.5	Pass
					4.43	-8.154	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	3.033	0.0036	-2.5 to 2.5	Pass
				-20	3.85	-7.339	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-3.519	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.787	0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.917	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-6.680	-0.0080	-2.5 to 2.5	Pass
				50	3.85	-1.216	-0.0015	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-2.389	-0.0028	-2.5 to 2.5	Pass
					3.85	-6.423	-0.0076	-2.5 to 2.5	Pass
					4.43	-9.370	-0.0111	-2.5 to 2.5	Pass
				-30	3.85	-9.513	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-8.254	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	1.888	0.0022	-2.5 to 2.5	Pass
				0	3.85	-3.991	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-1.845	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-2.990	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-6.938	-0.0082	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-2.403	-0.0029	-2.5 to 2.5	Pass
					3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
					4.43	-1.645	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.133	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	1.974	0.0024	-2.5 to 2.5	Pass
				-10	3.85	-2.675	-0.0032	-2.5 to 2.5	Pass

				0	3.85	-2.704	-0.0033	-2.5 to 2.5	Pass
				10	3.85	1.531	0.0019	-2.5 to 2.5	Pass
				30	3.85	-6.566	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-1.888	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-4.807	-0.0057	-2.5 to 2.5	Pass
					3.85	-2.031	-0.0024	-2.5 to 2.5	Pass
					4.43	-7.782	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-1.960	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.604	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-1.874	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-6.480	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-2.160	-0.0026	-2.5 to 2.5	Pass
				30	3.85	1.745	0.0021	-2.5 to 2.5	Pass
				40	3.85	0.372	0.0004	-2.5 to 2.5	Pass
				50	3.85	-3.934	-0.0047	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	0.415	0.0005	-2.5 to 2.5	Pass
					3.85	-2.389	-0.0028	-2.5 to 2.5	Pass
					4.43	-2.403	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-3.262	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-4.849	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-9.084	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-8.025	-0.0095	-2.5 to 2.5	Pass
				40	3.85	-1.588	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-2.933	-0.0035	-2.5 to 2.5	Pass

2.1.4 B5_10MHz

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	-3.648	-0.0044	-2.5 to 2.5	Pass
					3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
					4.43	-4.778	-0.0058	-2.5 to 2.5	Pass
				-30	3.85	-2.103	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-4.535	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-3.119	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-4.048	-0.0049	-2.5 to 2.5	Pass
				30	3.85	1.087	0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.847	-0.0034	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-4.320	-0.0052	-2.5 to 2.5	Pass
					3.85	-3.405	-0.0041	-2.5 to 2.5	Pass
					4.43	-2.174	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-1.645	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-5.150	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.874	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-1.059	-0.0013	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	-5.507	-0.0066	-2.5 to 2.5	Pass
				50	3.85	0.401	0.0005	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-3.591	-0.0043	-2.5 to 2.5	Pass

					3.85	-3.333	-0.0039	-2.5 to 2.5	Pass
					4.43	-1.030	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.602	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-2.317	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-3.018	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-2.189	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-2.875	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-2.818	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-7.439	-0.0088	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	0.343	0.0004	-2.5 to 2.5	Pass
					3.85	-2.618	-0.0032	-2.5 to 2.5	Pass
					4.43	-1.631	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.473	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-3.948	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-2.618	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-2.532	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-2.160	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-3.920	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-2.875	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-3.448	-0.0042	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-6.380	-0.0076	-2.5 to 2.5	Pass
					3.85	-5.178	-0.0062	-2.5 to 2.5	Pass
					4.43	-5.622	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-4.535	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-2.532	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-0.715	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-3.533	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-4.578	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-2.289	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-3.376	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-3.533	-0.0042	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-6.166	-0.0073	-2.5 to 2.5	Pass
					3.85	-7.238	-0.0086	-2.5 to 2.5	Pass
					4.43	-4.706	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	-4.635	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-3.877	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-3.548	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-6.580	-0.0078	-2.5 to 2.5	Pass
				10	3.85	-3.920	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-3.877	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-3.276	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-4.807	-0.0057	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
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 B5_3MHz

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

3.1.3 B5_5MHz

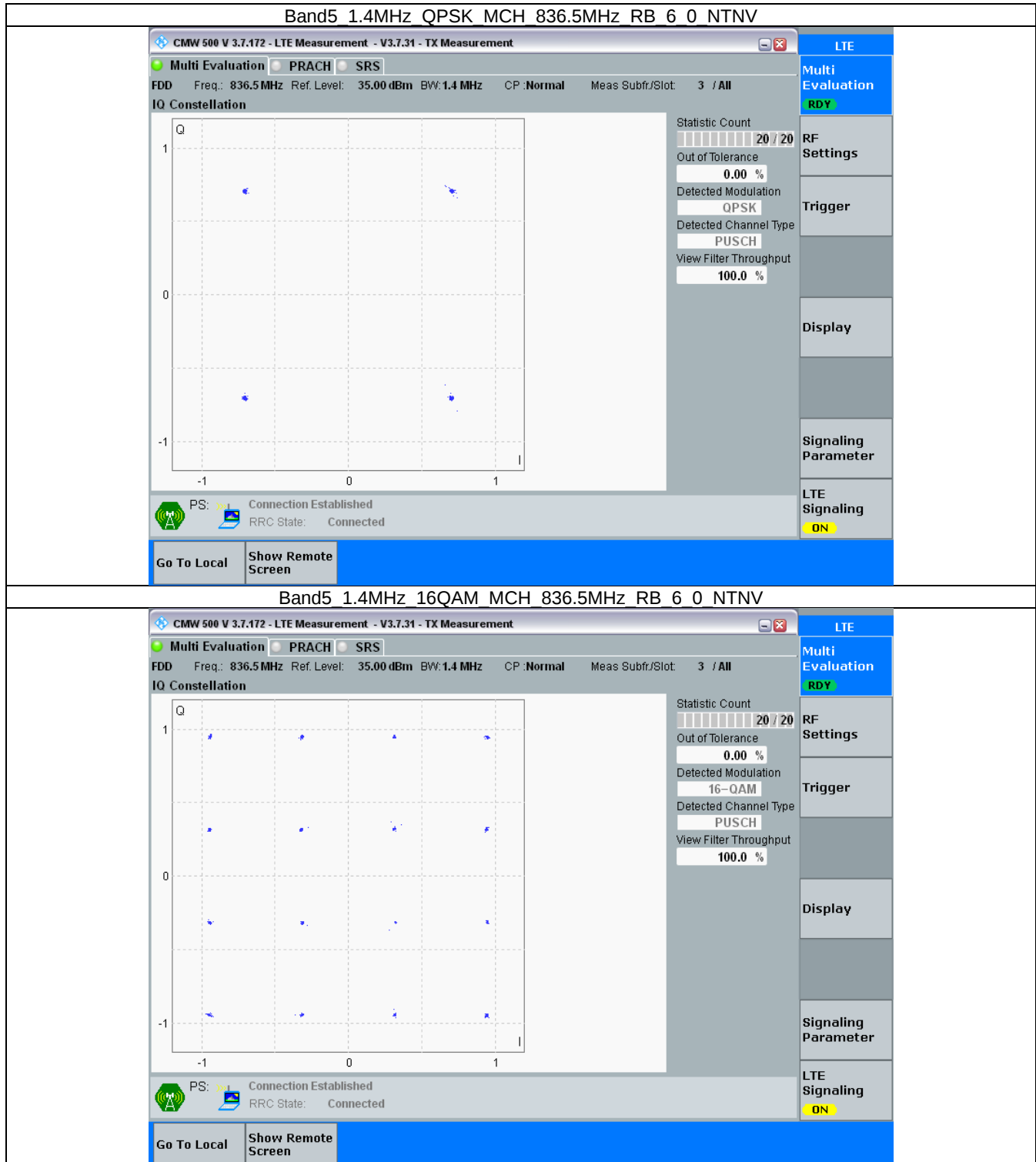
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

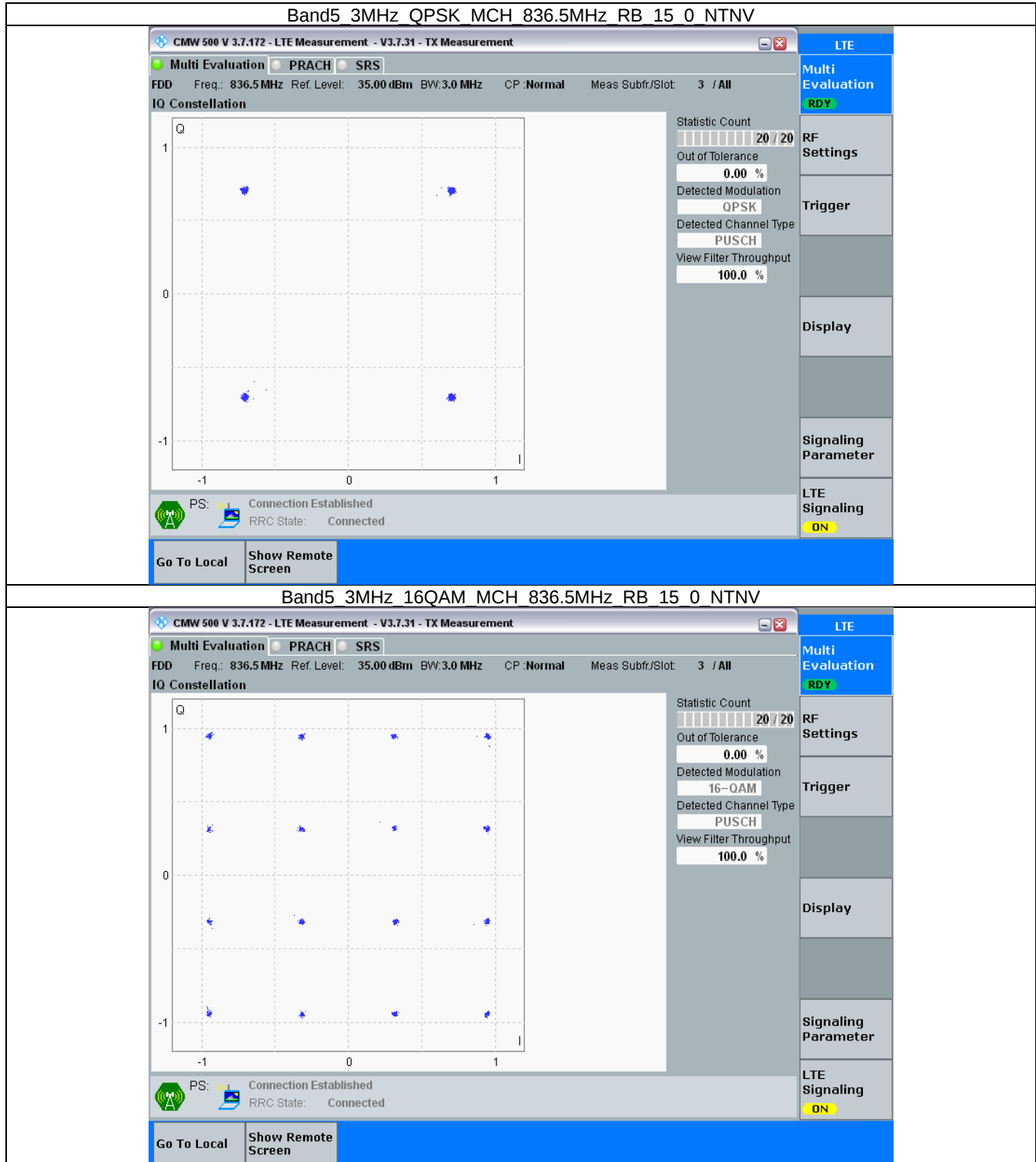
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

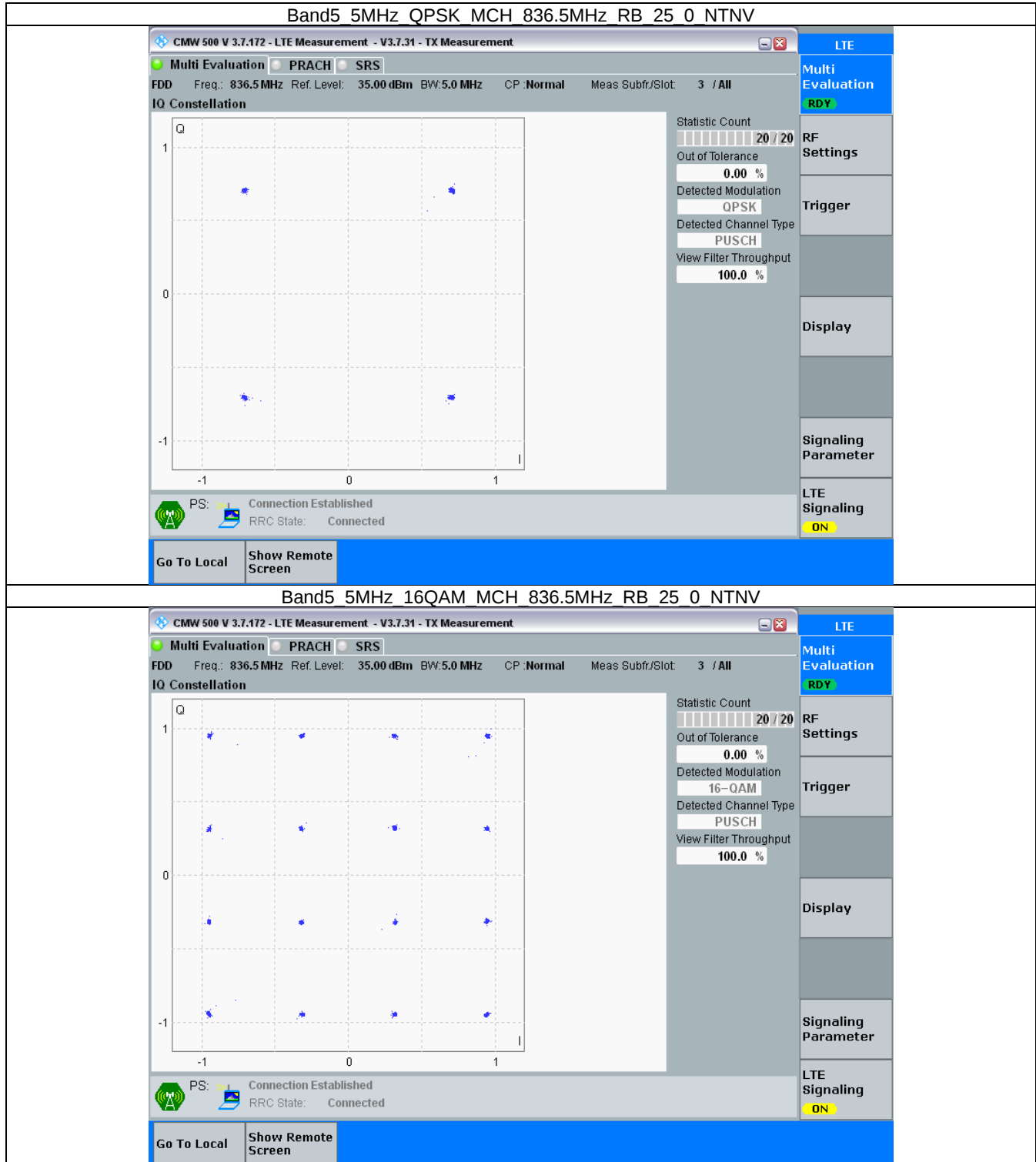
3.2.1 B5_1.4MHz



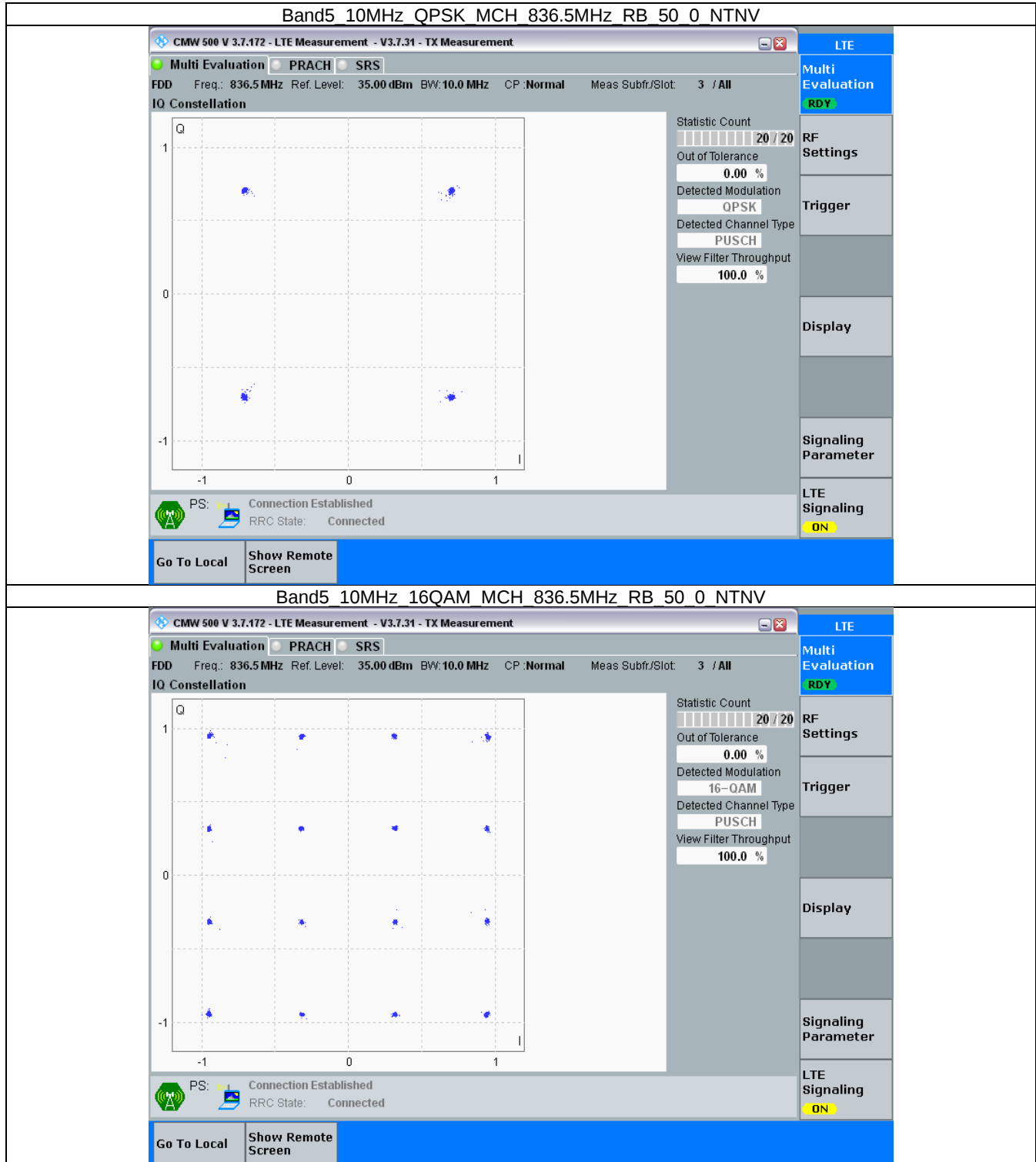
3.2.2 B5_3MHz



3.2.3 B5_5MHz



3.2.4 B5_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band5_OBW

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	1.115	/	Pass
		836.5	6	0	1.108	/	Pass
		848.3	6	0	1.110	/	Pass
	16QAM	824.7	6	0	1.112	/	Pass
		836.5	6	0	1.108	/	Pass
		848.3	6	0	1.112	/	Pass
3	QPSK	825.5	15	0	2.732	/	Pass
		836.5	15	0	2.725	/	Pass
		847.5	15	0	2.731	/	Pass
	16QAM	825.5	15	0	2.724	/	Pass
		836.5	15	0	2.718	/	Pass
		847.5	15	0	2.723	/	Pass
5	QPSK	826.5	25	0	4.552	/	Pass
		836.5	25	0	4.535	/	Pass
		846.5	25	0	4.536	/	Pass
	16QAM	826.5	25	0	4.533	/	Pass
		836.5	25	0	4.546	/	Pass
		846.5	25	0	4.573	/	Pass
10	QPSK	829	50	0	9.043	/	Pass
		836.5	50	0	9.023	/	Pass
		844	50	0	9.063	/	Pass
	16QAM	829	50	0	9.044	/	Pass
		836.5	50	0	9.028	/	Pass
		844	50	0	9.068	/	Pass

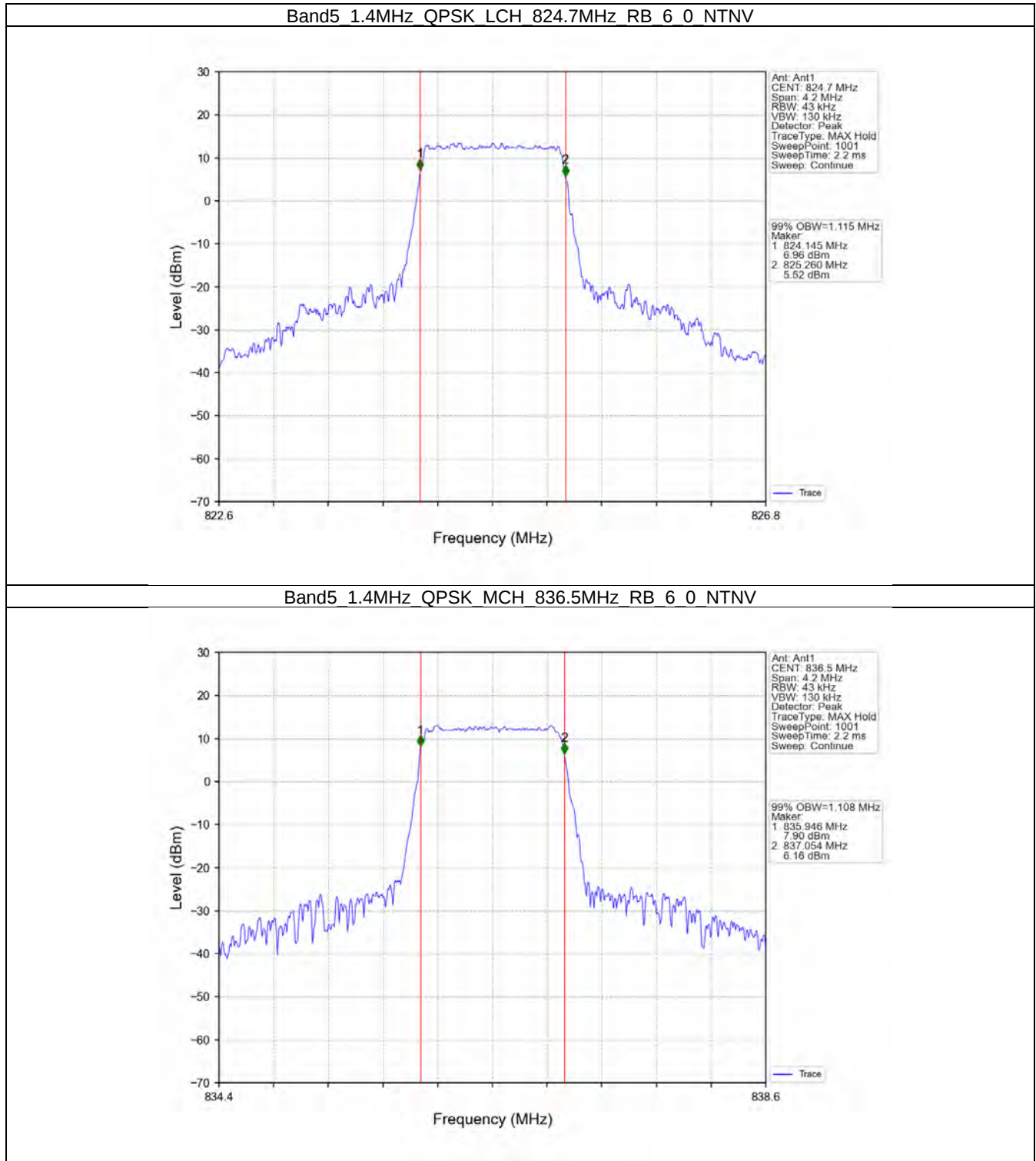
4.1.2 Band5_XDB

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	1.318	/	Pass
		836.5	6	0	1.313	/	Pass
		848.3	6	0	1.305	/	Pass
	16QAM	824.7	6	0	1.296	/	Pass
		836.5	6	0	1.299	/	Pass
		848.3	6	0	1.303	/	Pass
3	QPSK	825.5	15	0	3.054	/	Pass
		836.5	15	0	3.026	/	Pass
		847.5	15	0	3.049	/	Pass
	16QAM	825.5	15	0	3.025	/	Pass
		836.5	15	0	3.019	/	Pass
		847.5	15	0	3.031	/	Pass
5	QPSK	826.5	25	0	5.009	/	Pass

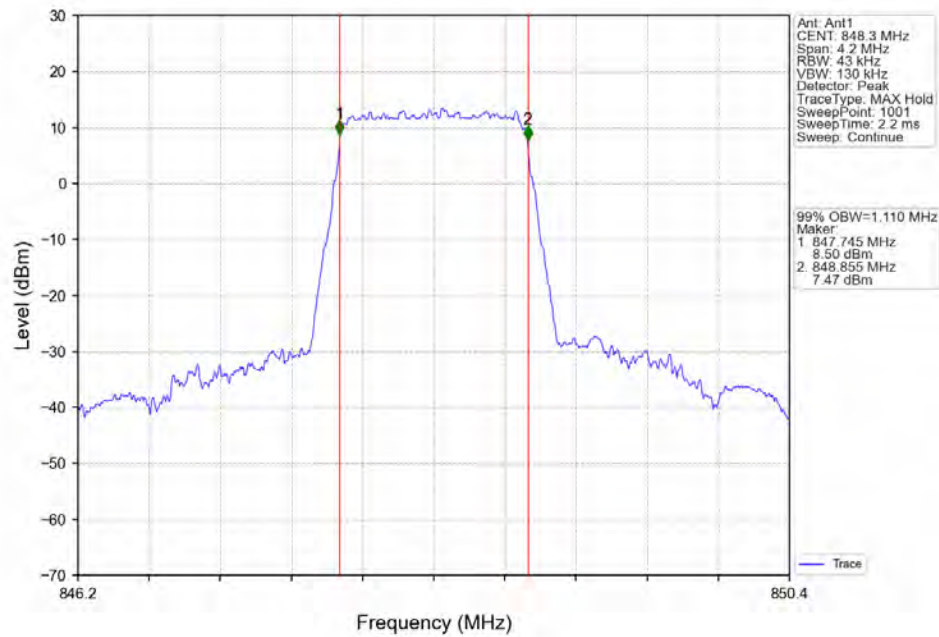
	16QAM	836.5	25	0	5.005	/	Pass
		846.5	25	0	5.001	/	Pass
		826.5	25	0	4.945	/	Pass
		836.5	25	0	5.005	/	Pass
		846.5	25	0	5.015	/	Pass
10	QPSK	829	50	0	9.909	/	Pass
		836.5	50	0	9.890	/	Pass
		844	50	0	9.972	/	Pass
	16QAM	829	50	0	9.910	/	Pass
		836.5	50	0	9.902	/	Pass
		844	50	0	9.880	/	Pass

4.2 Test Graph

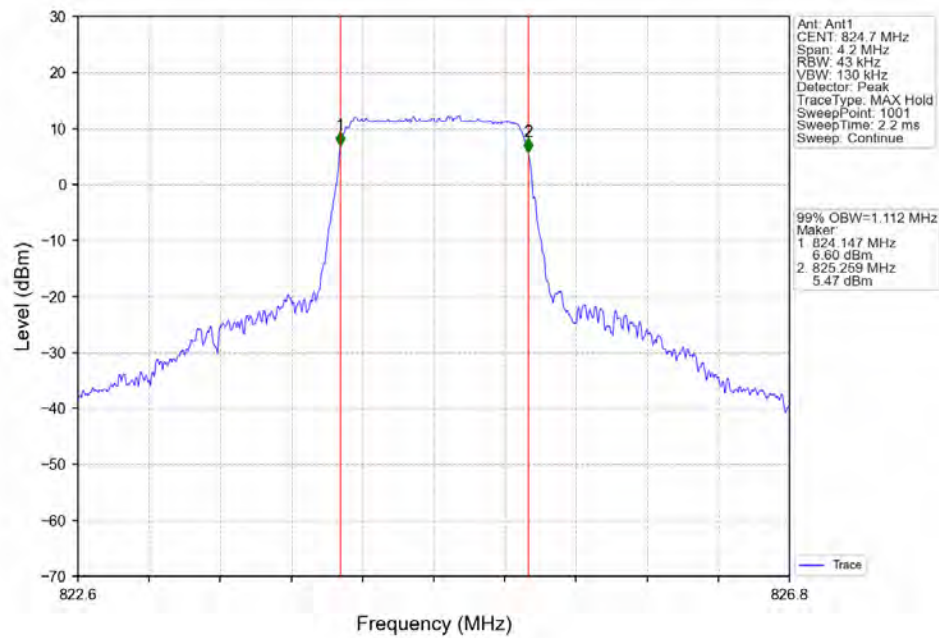
4.2.1 Band5_OBW



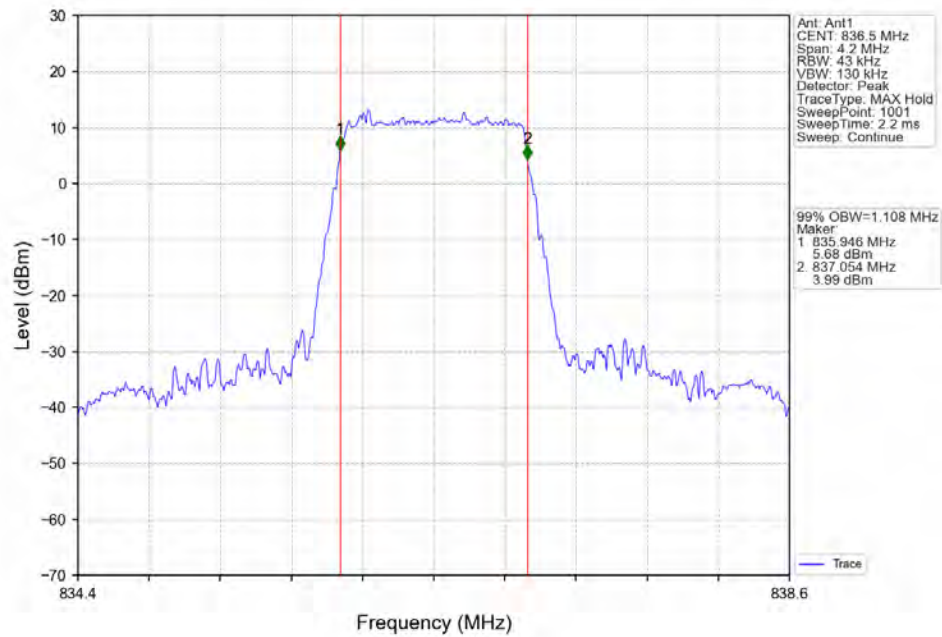
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



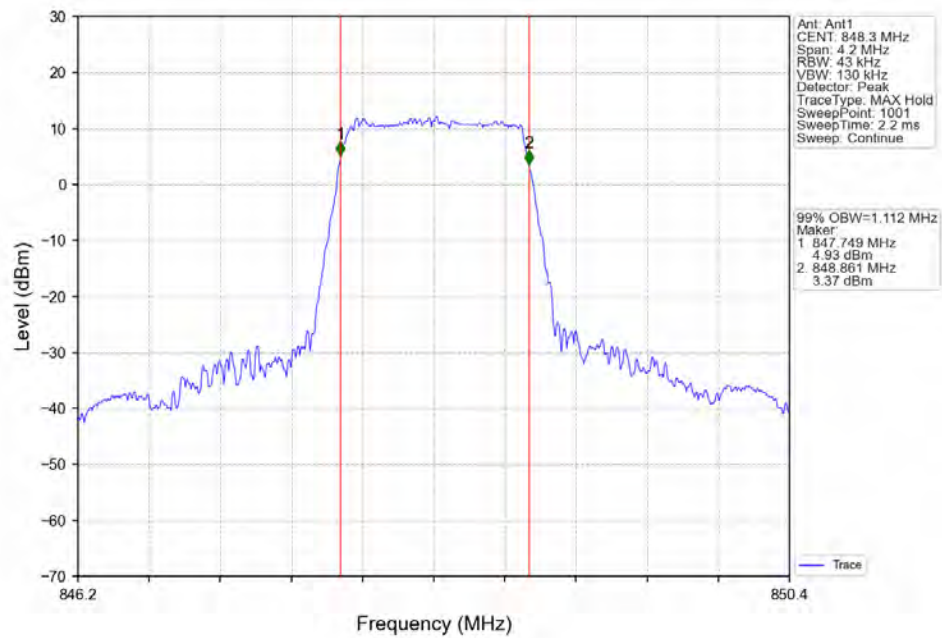
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



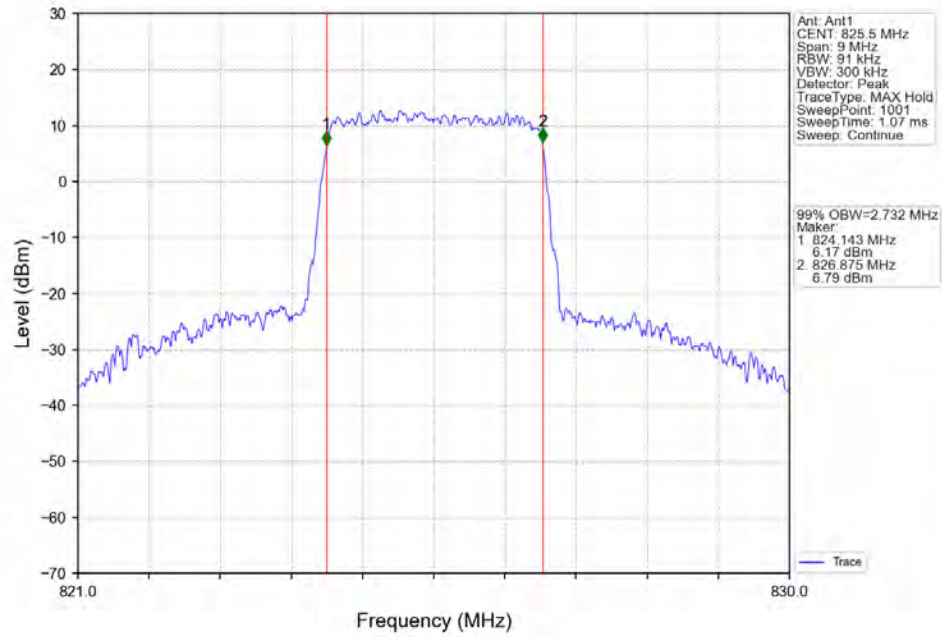
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



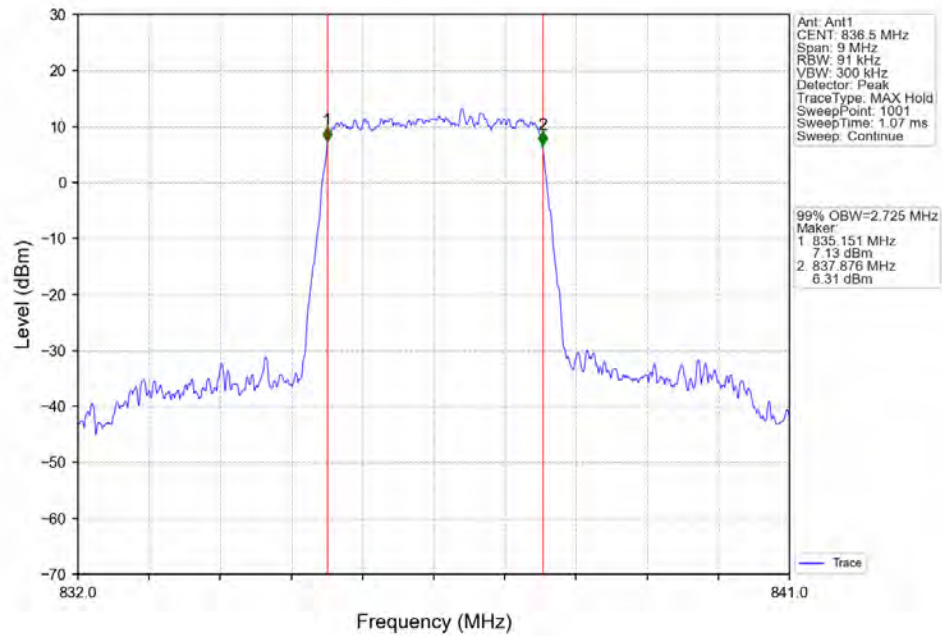
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



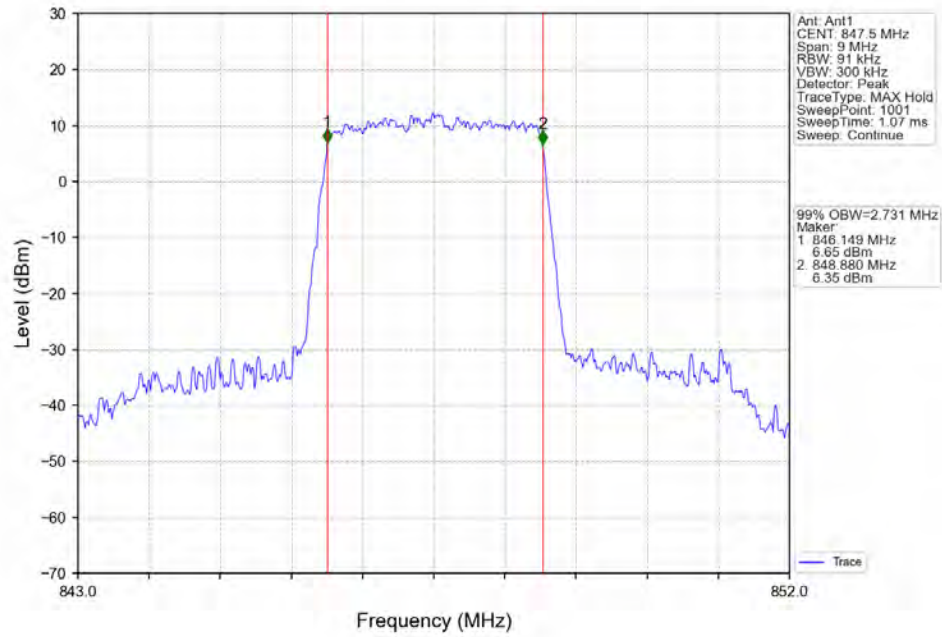
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



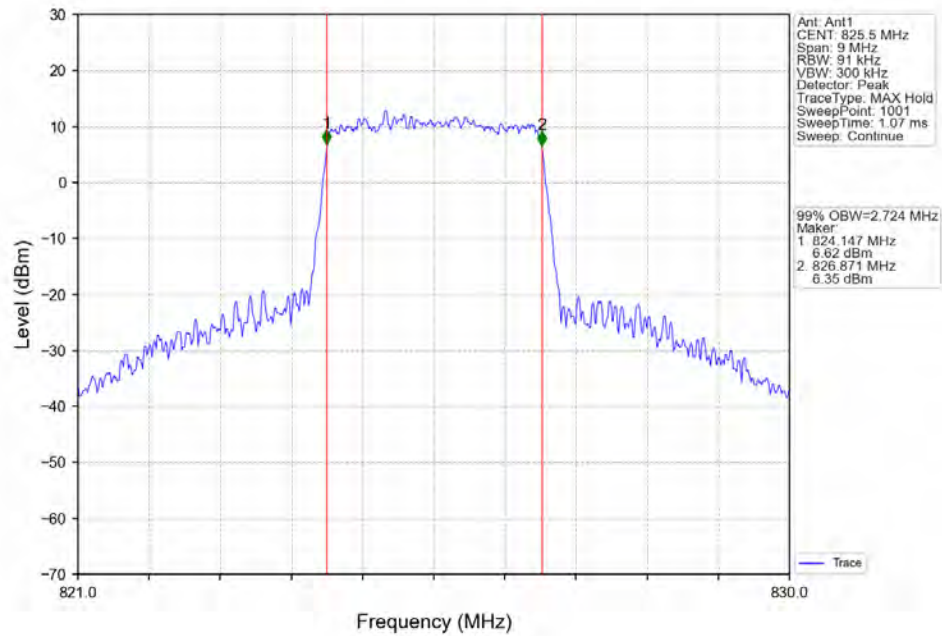
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



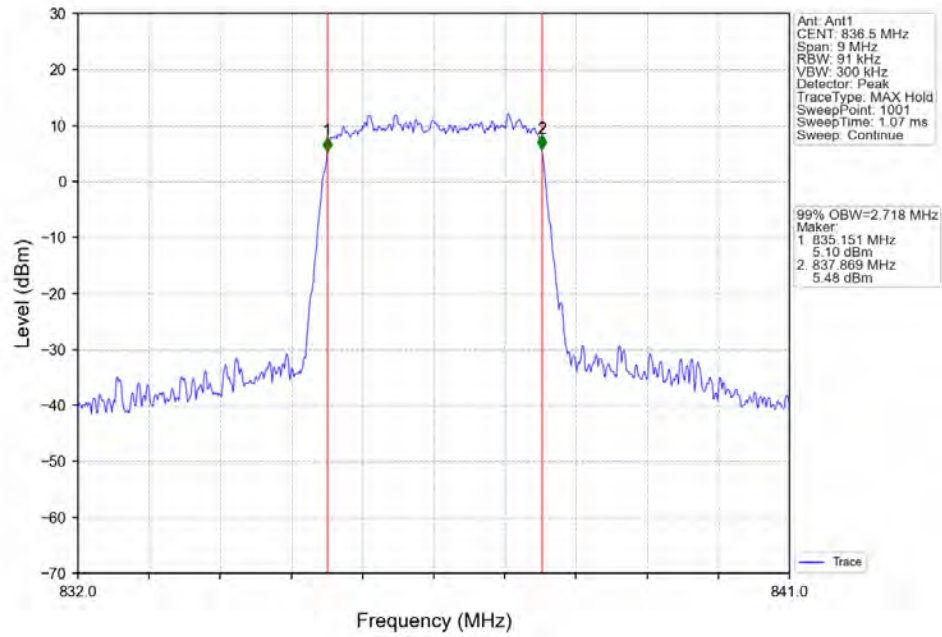
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



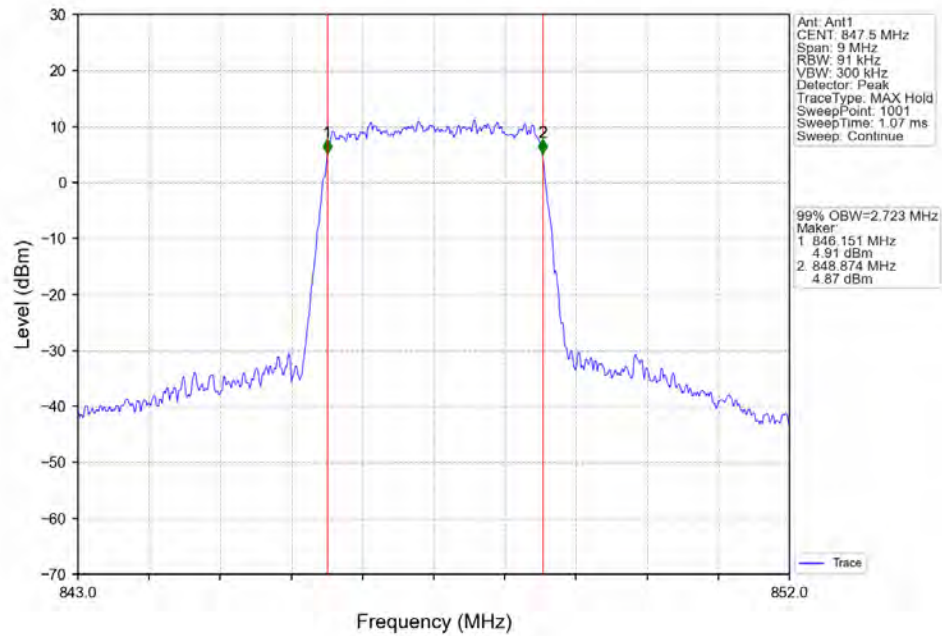
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



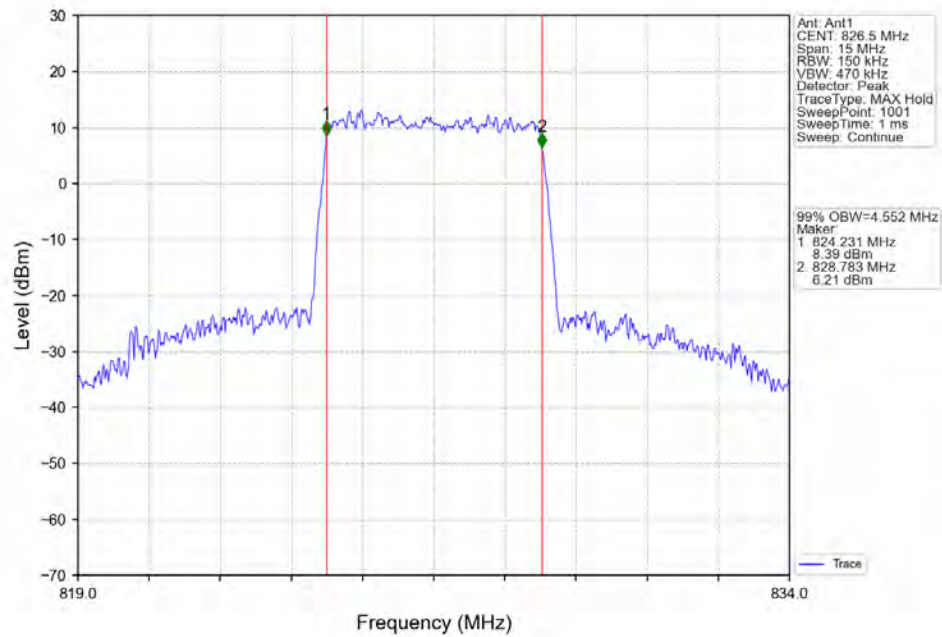
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



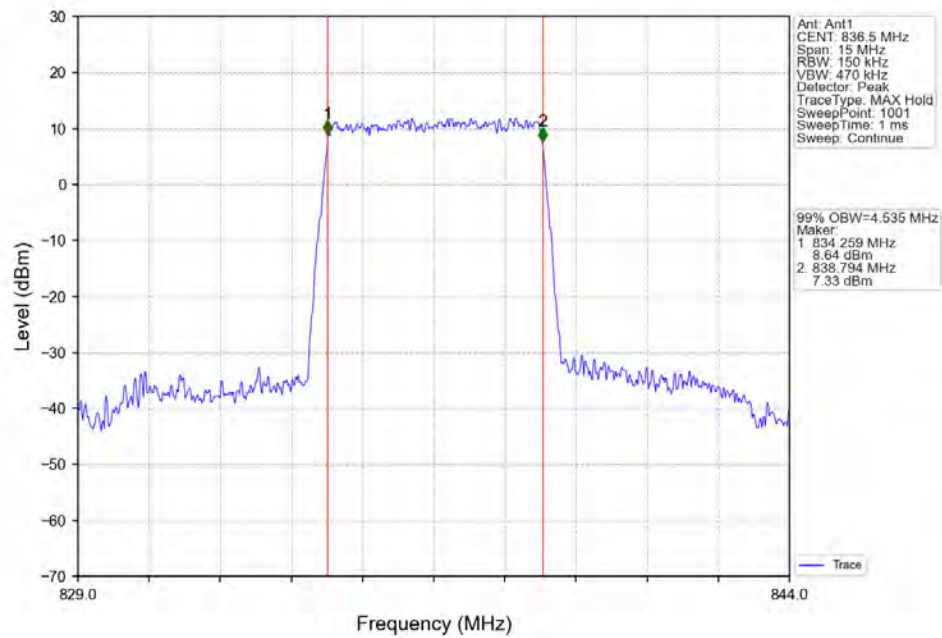
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



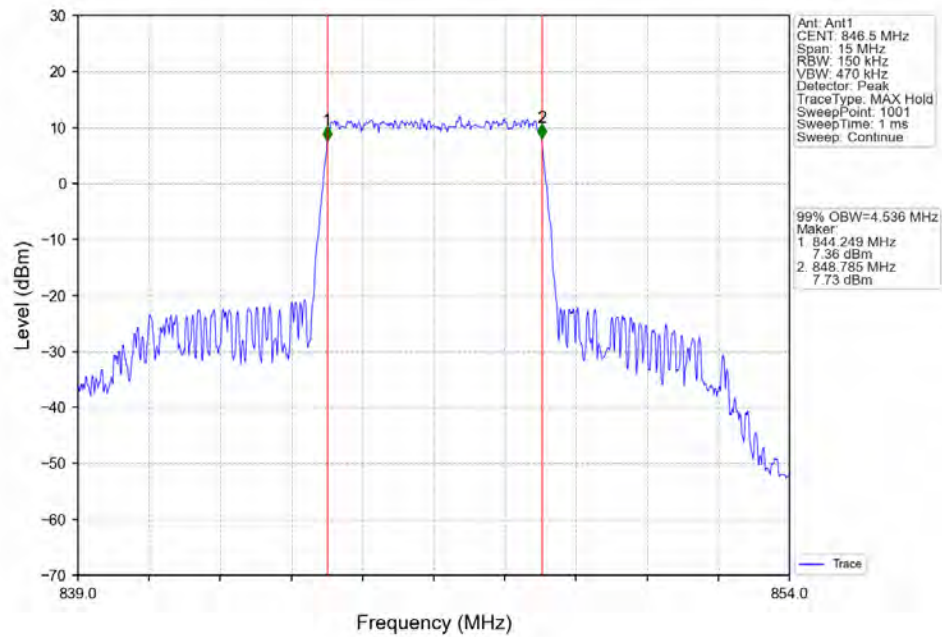
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



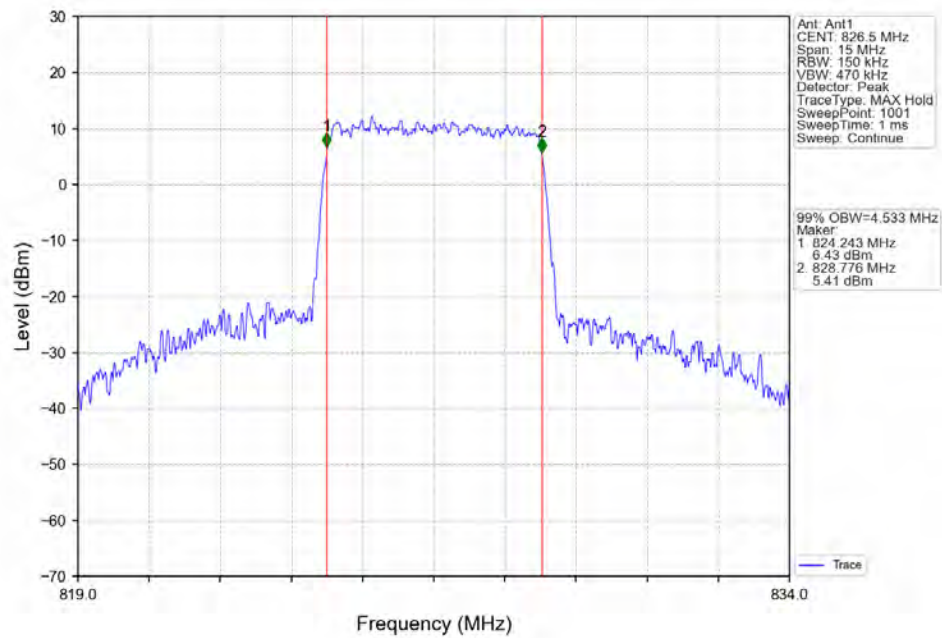
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



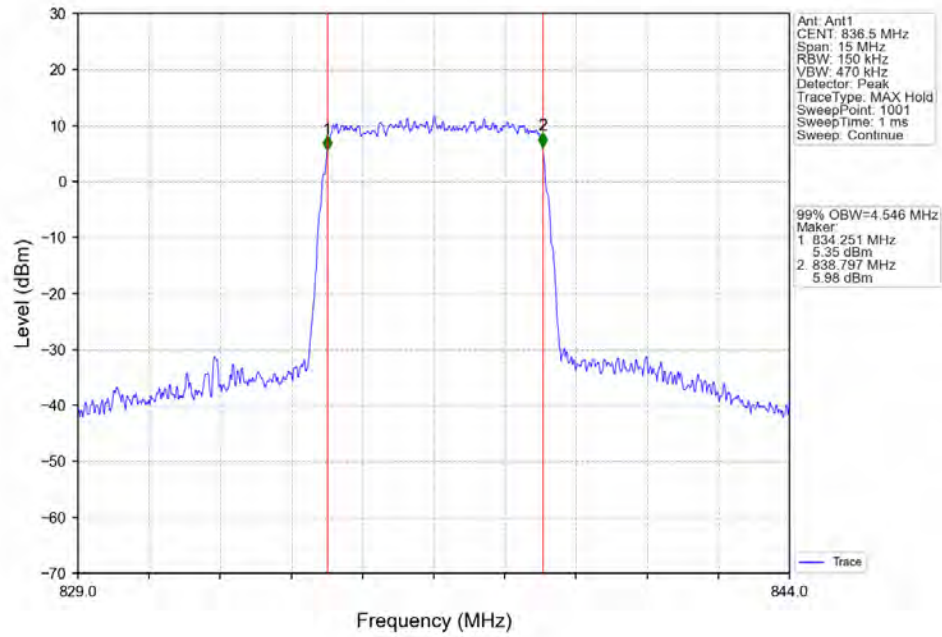
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



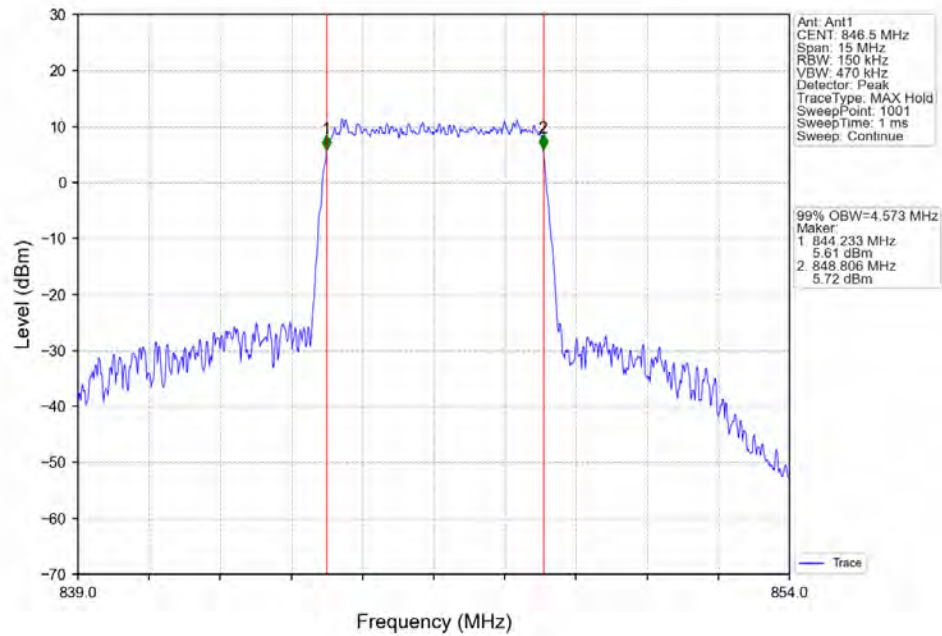
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



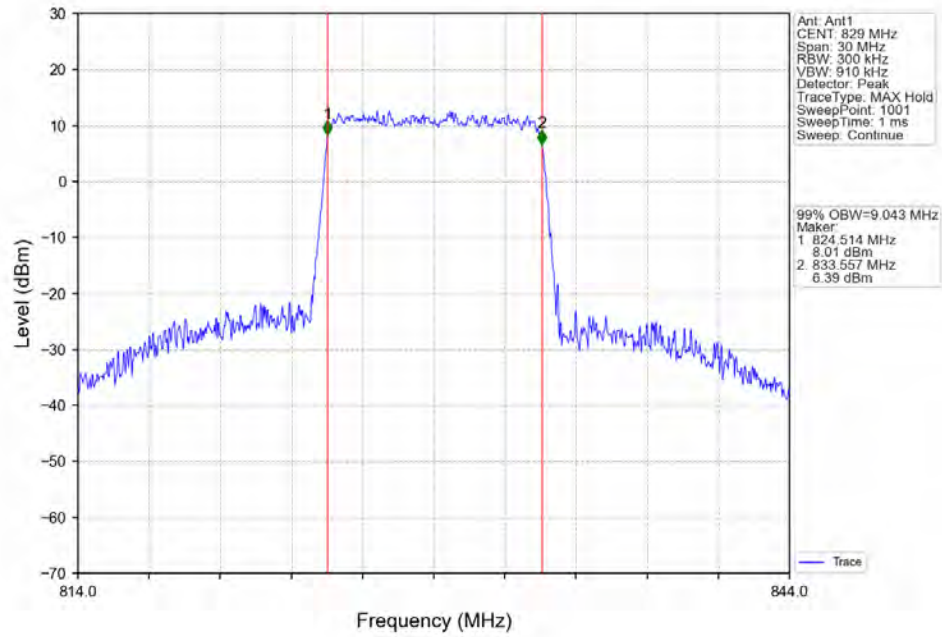
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



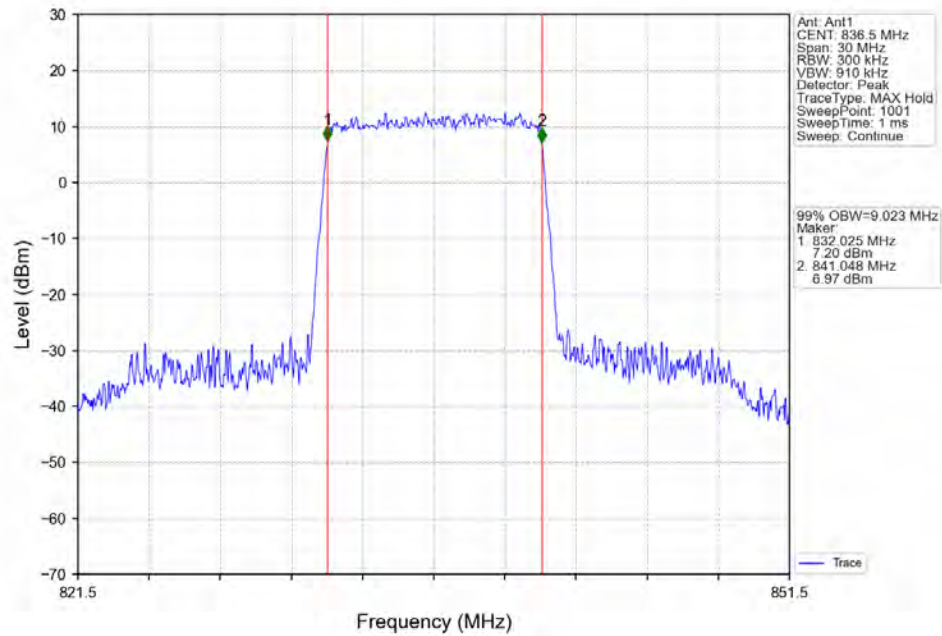
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



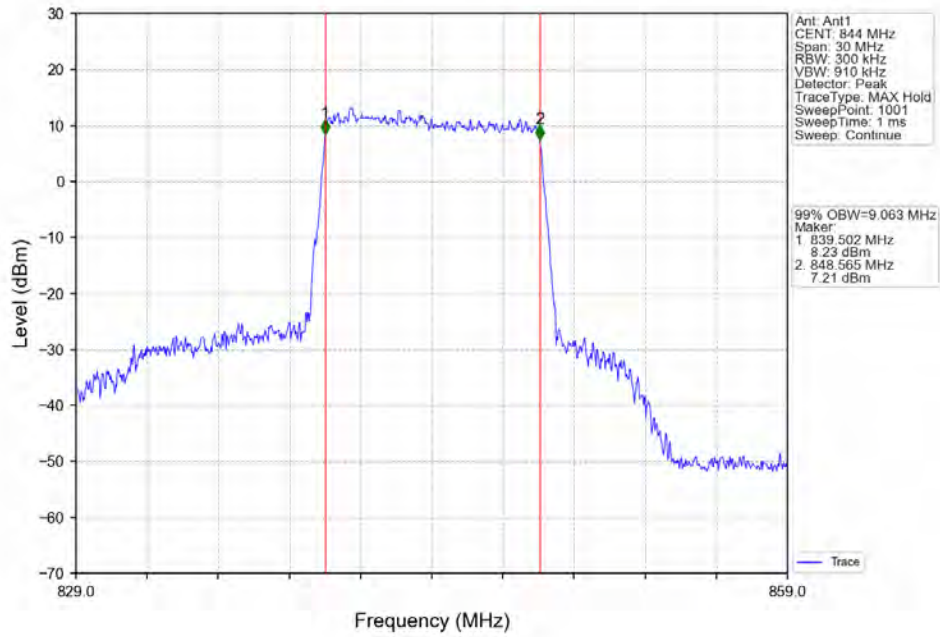
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



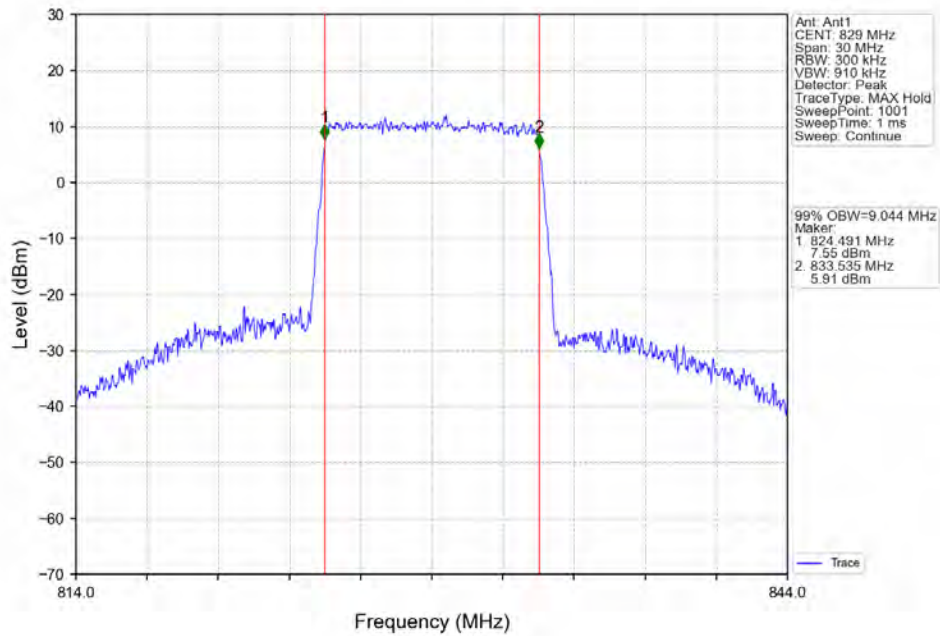
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



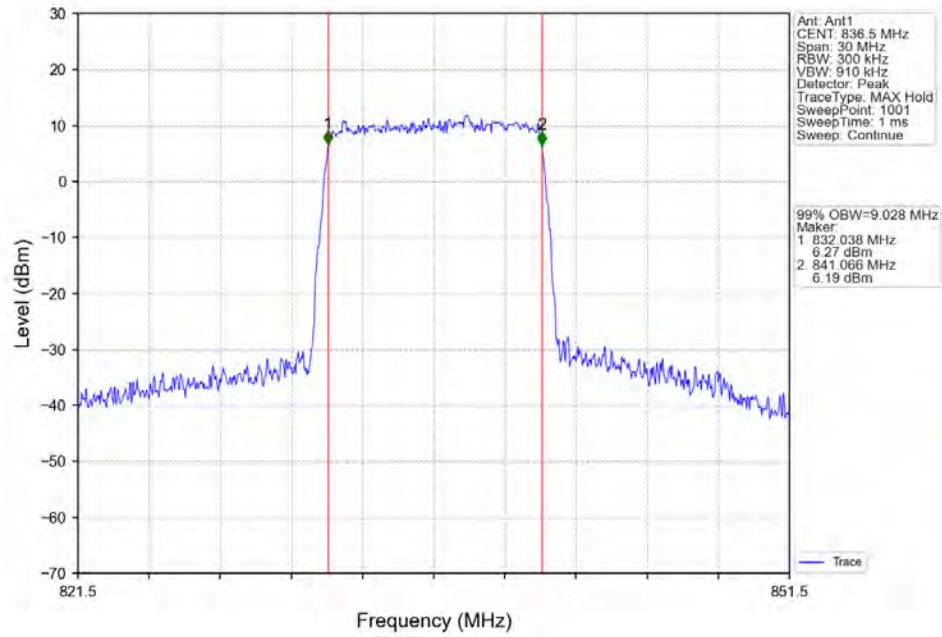
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



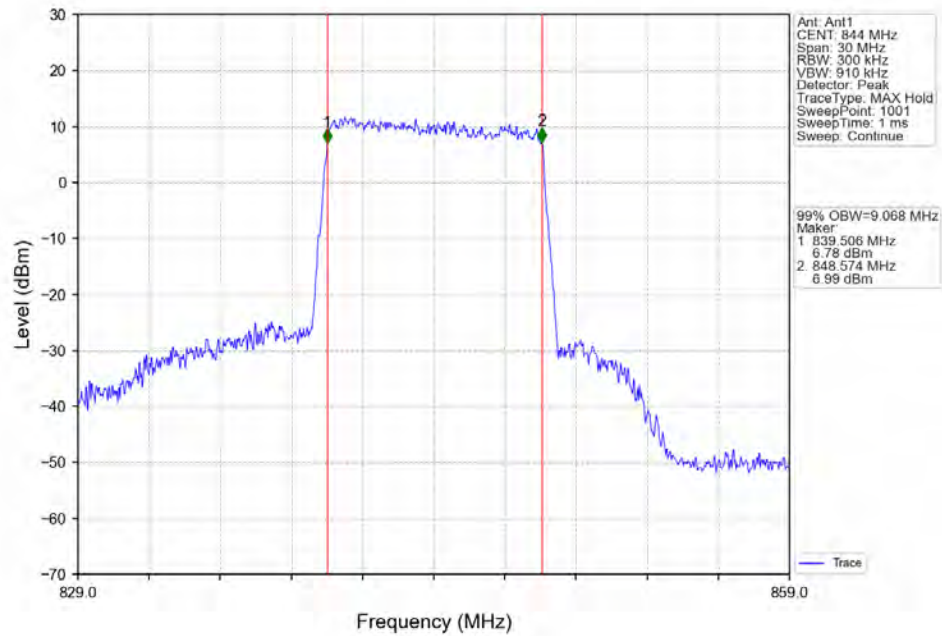
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV

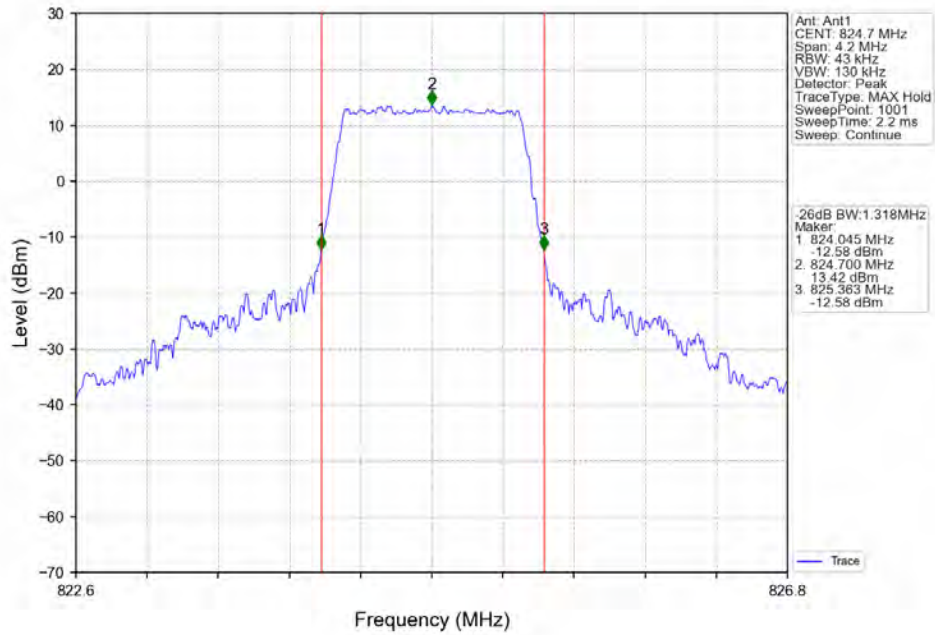


Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

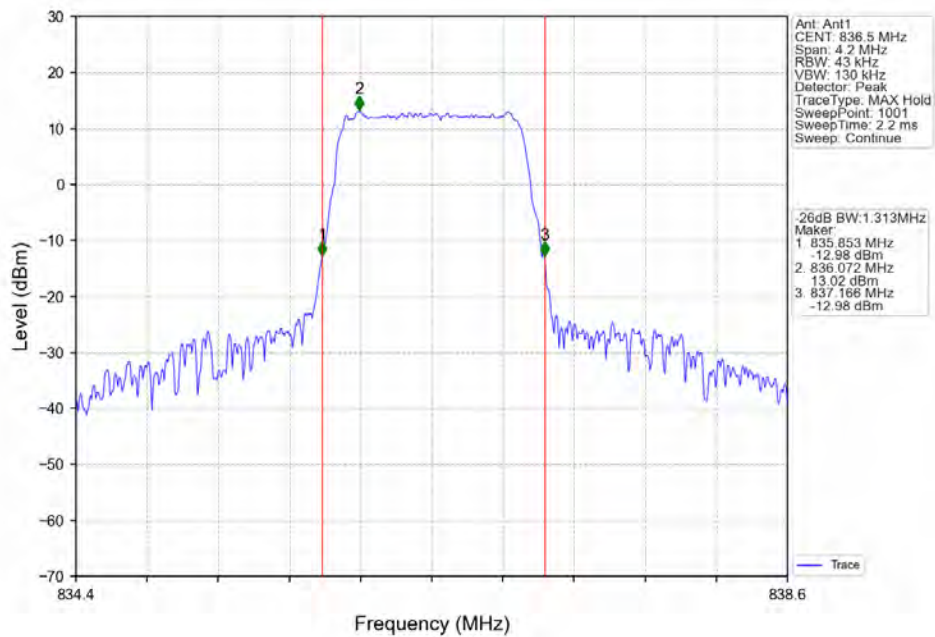


4.2.2 Band5_XDB

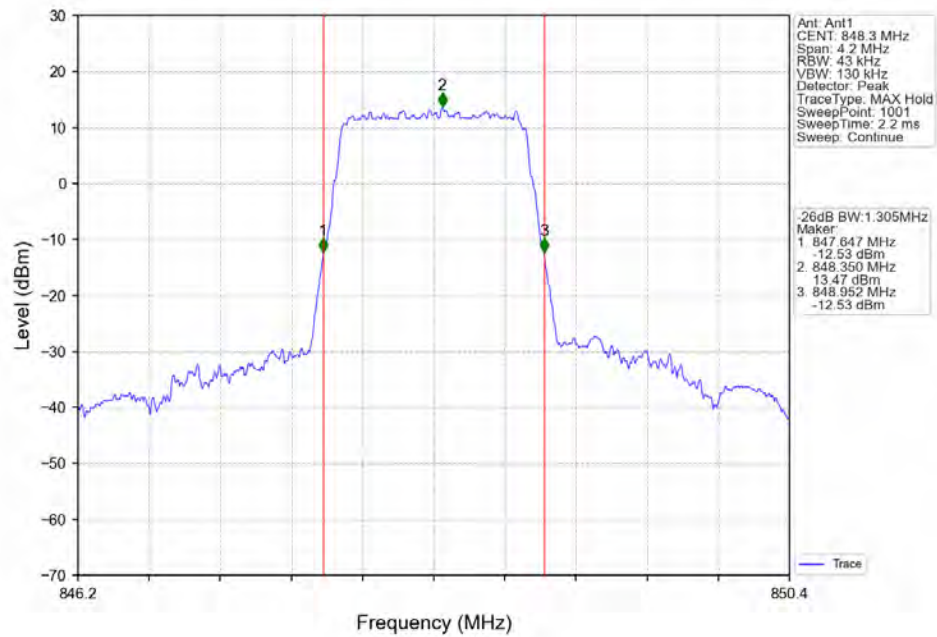
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



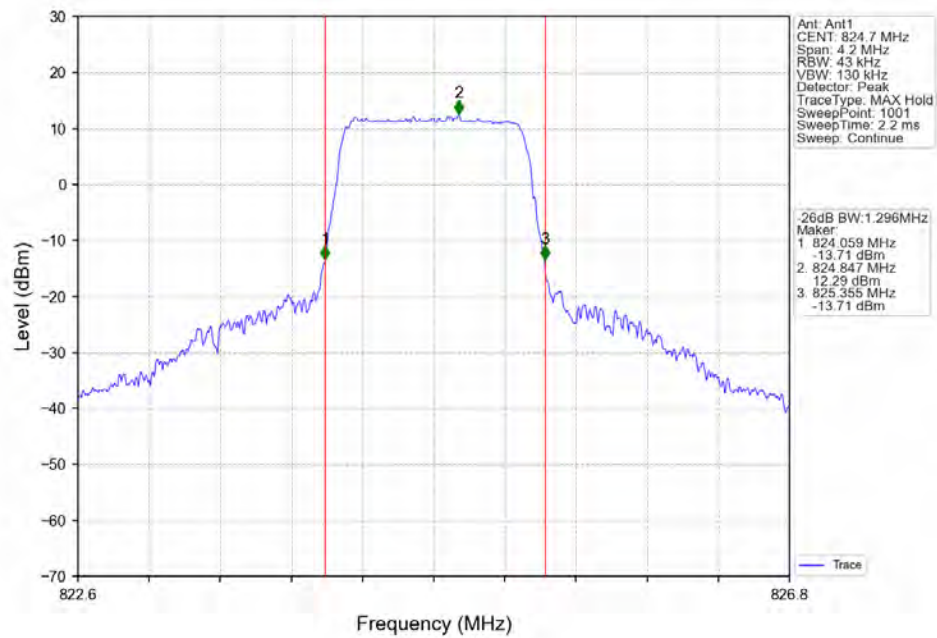
Band5 1.4MHz QPSK MCH 836.5MHz RB 6 0 NTNV



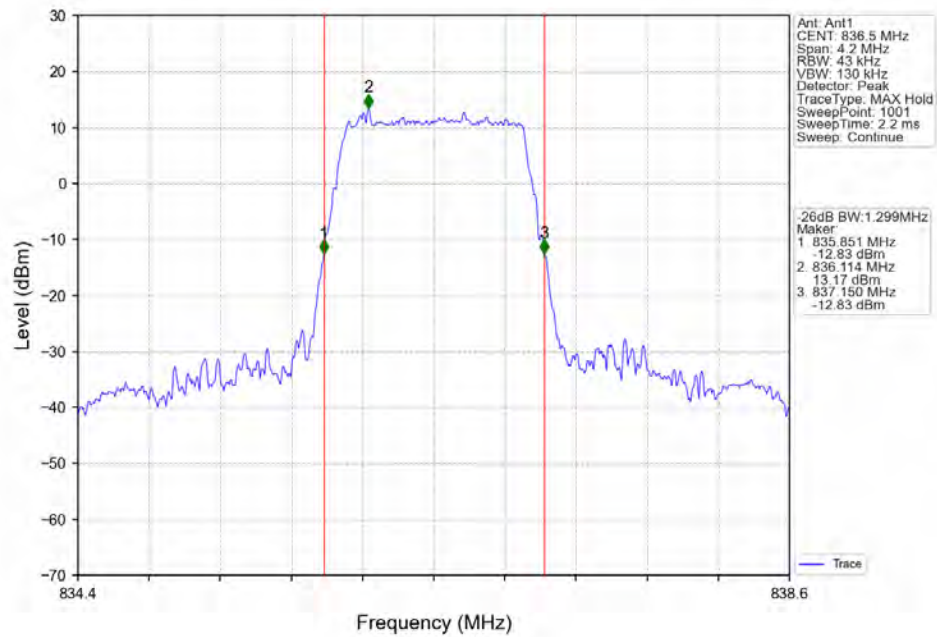
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



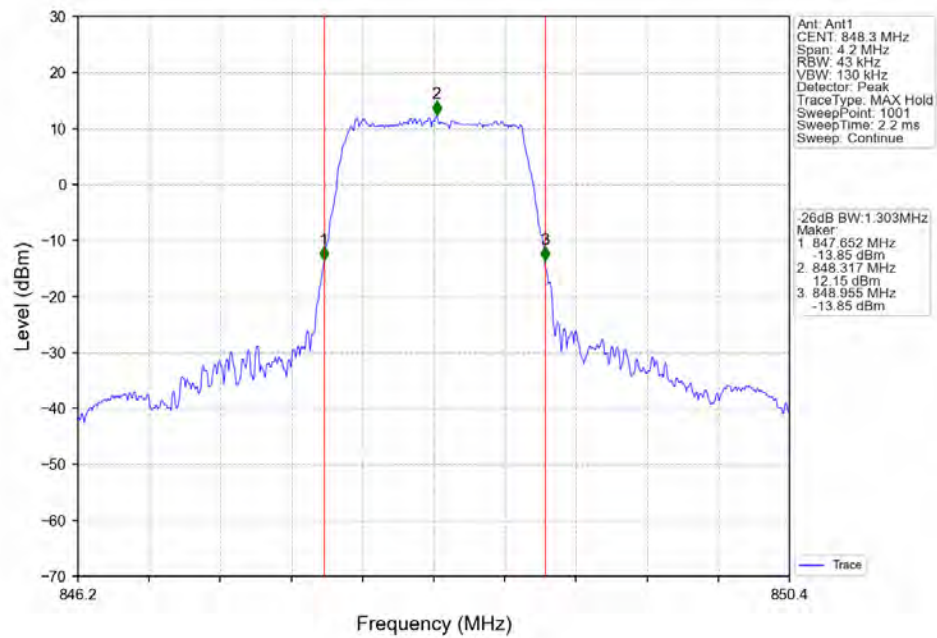
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



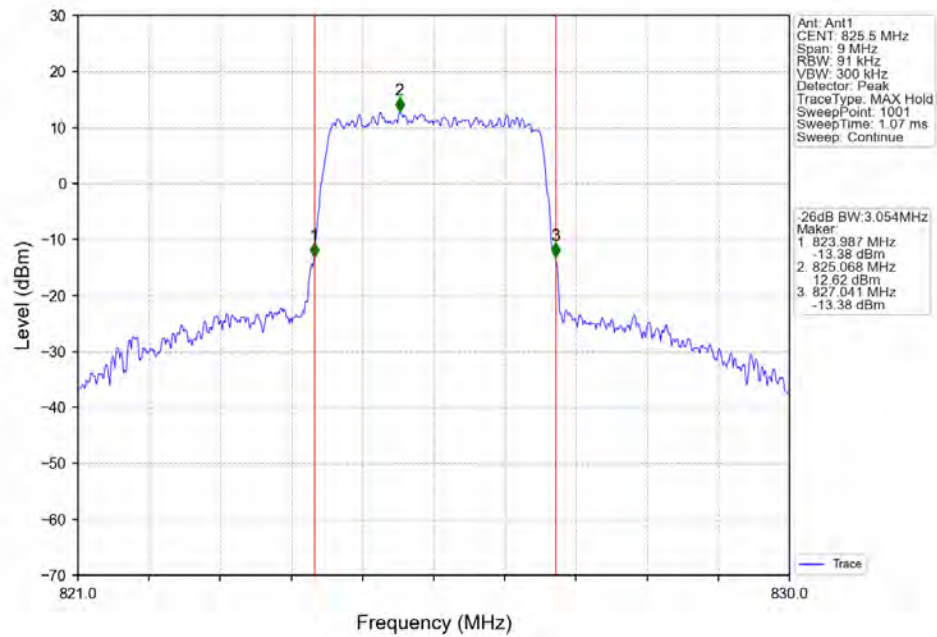
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



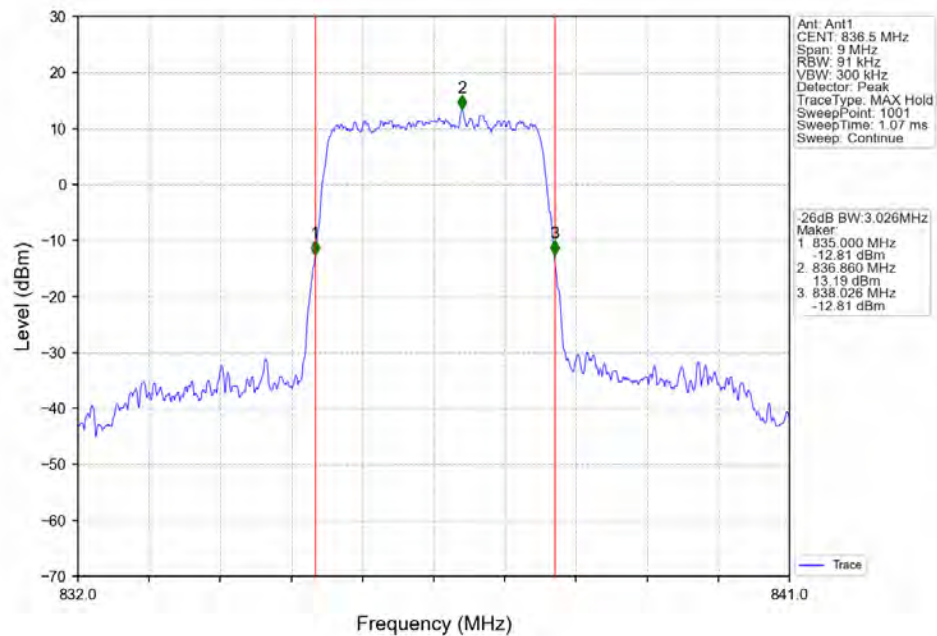
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



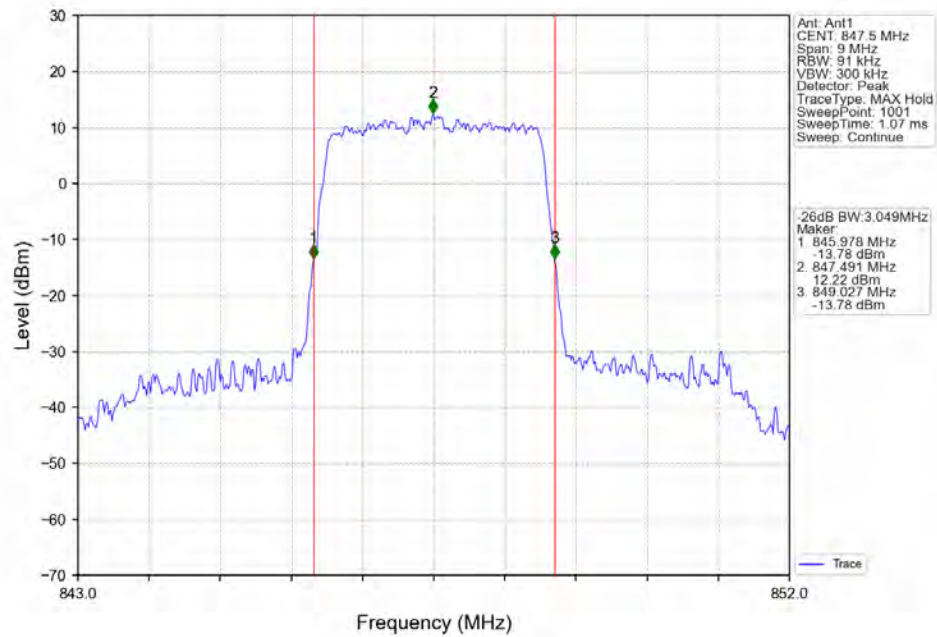
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



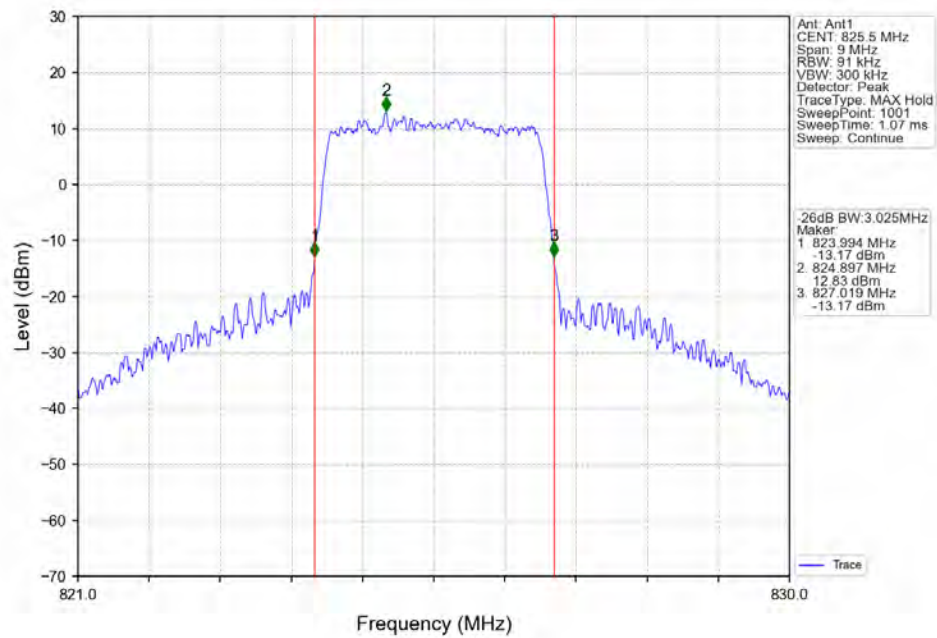
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



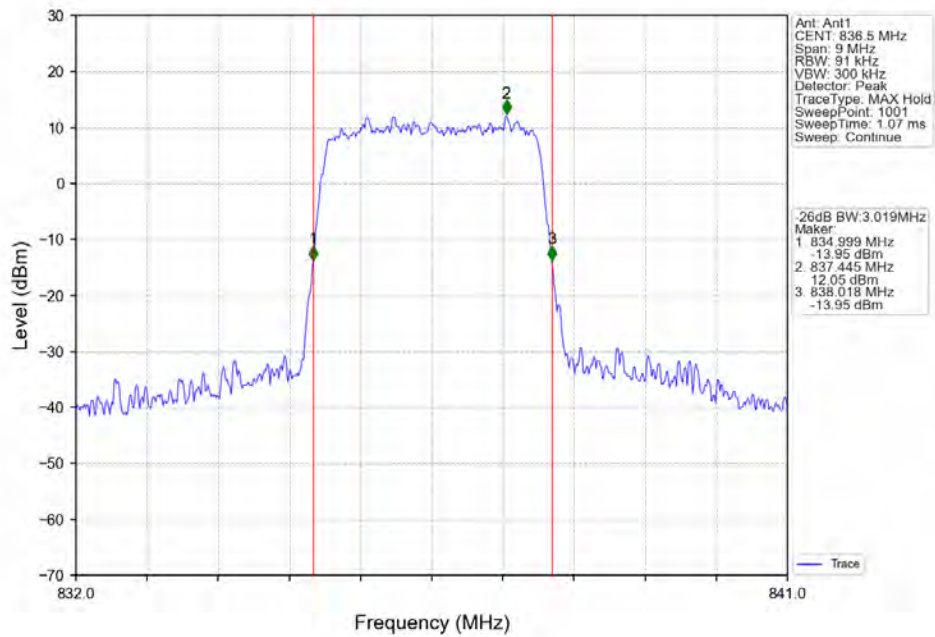
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



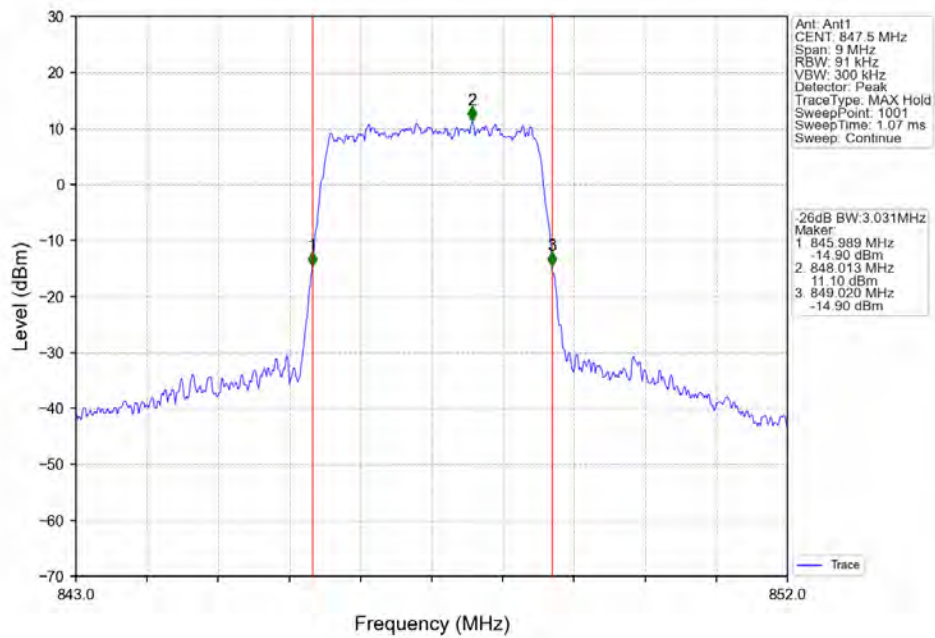
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



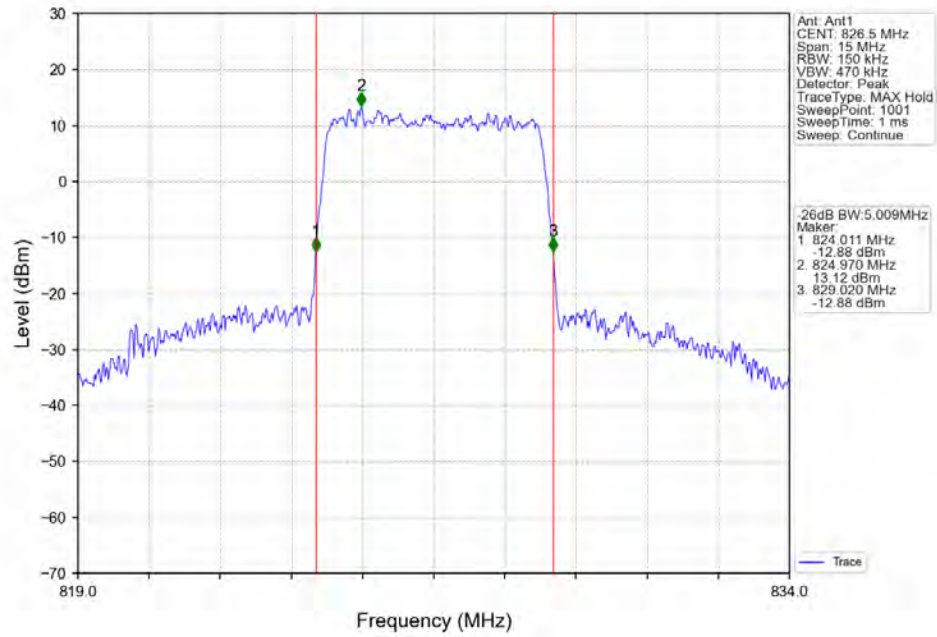
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



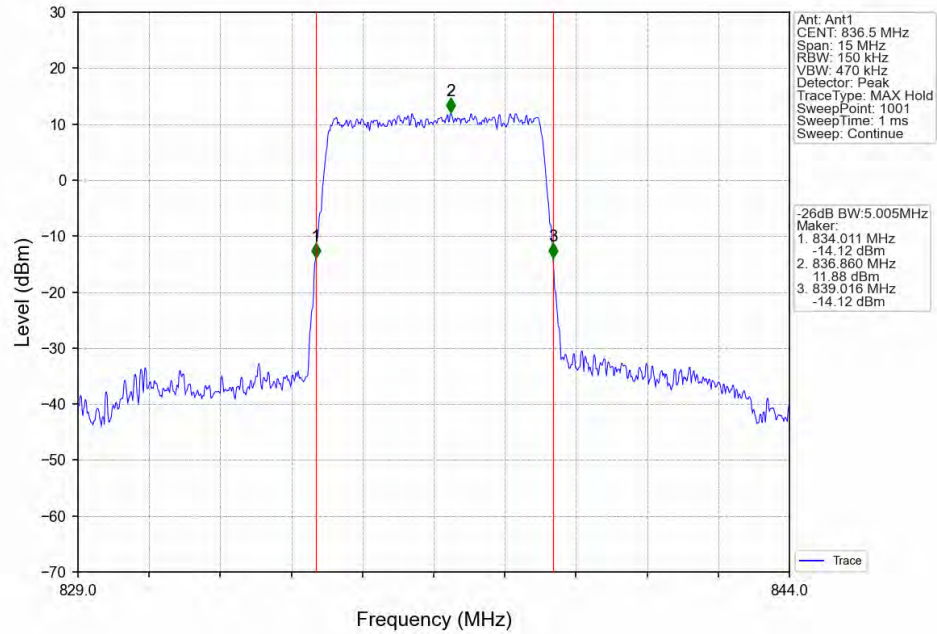
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



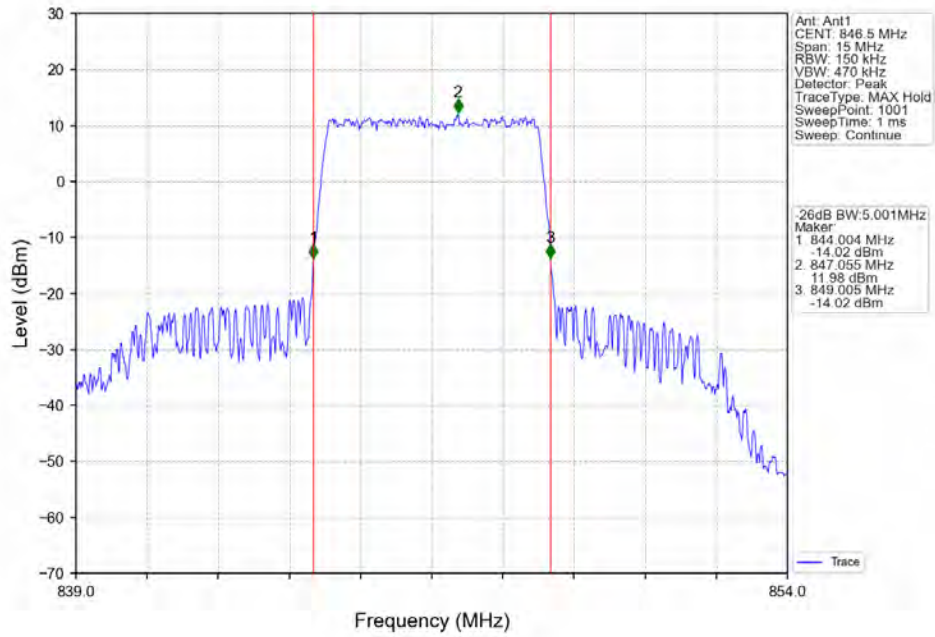
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



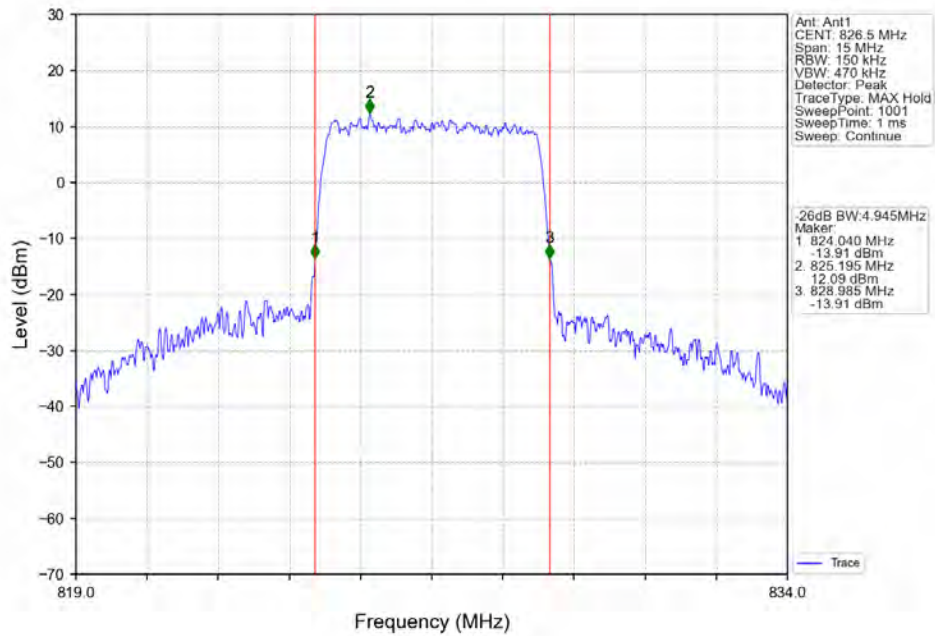
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



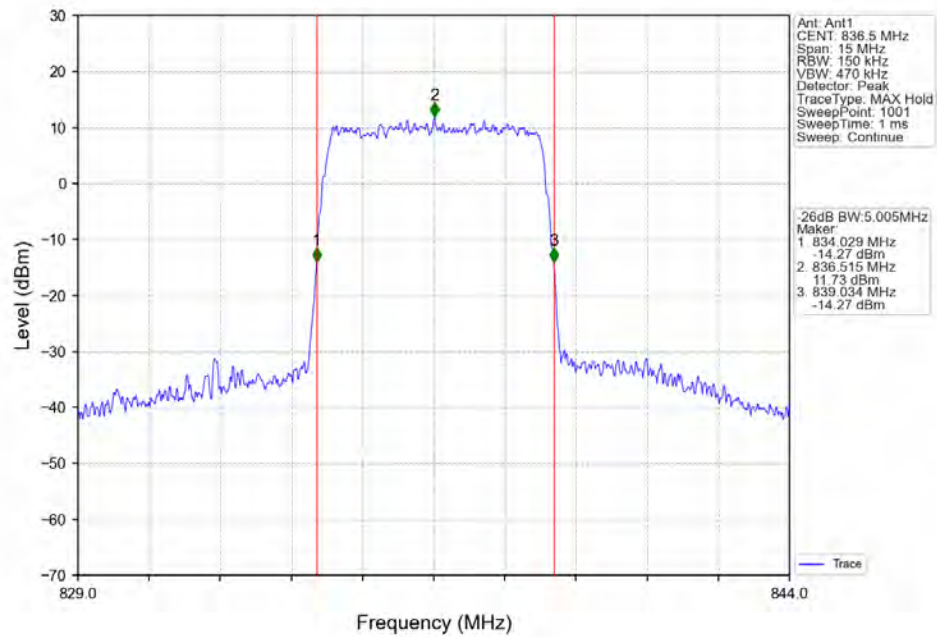
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



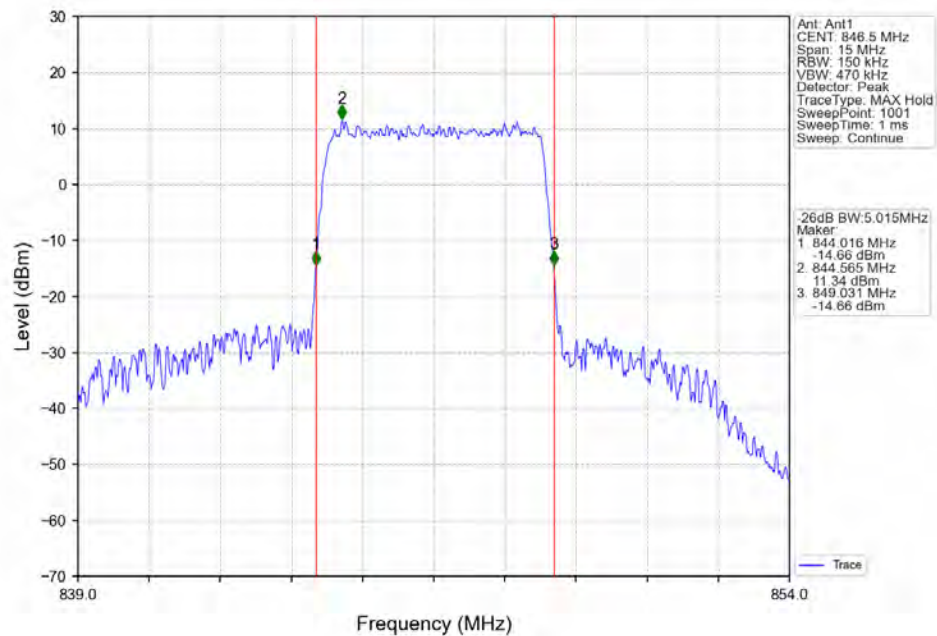
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



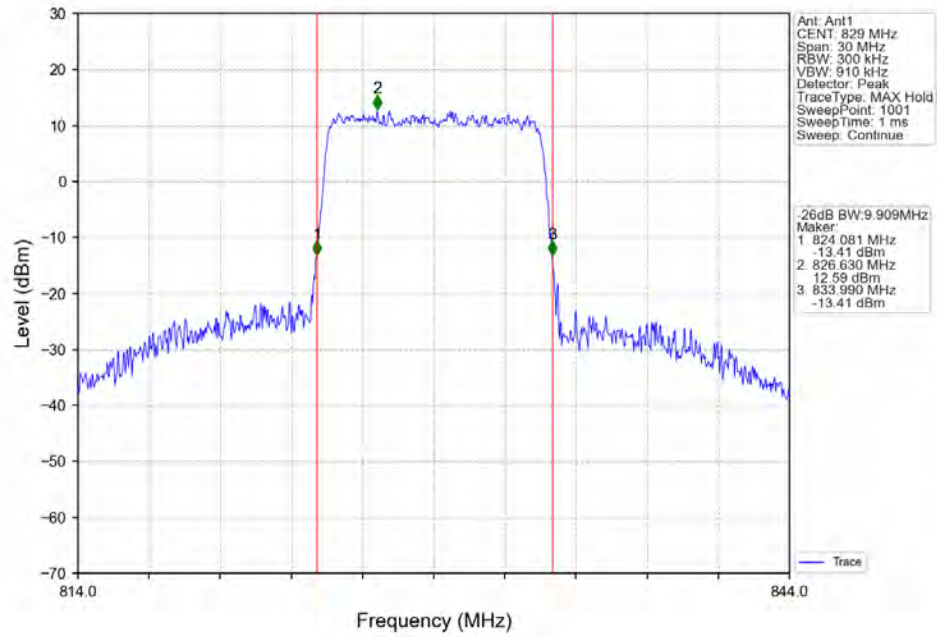
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



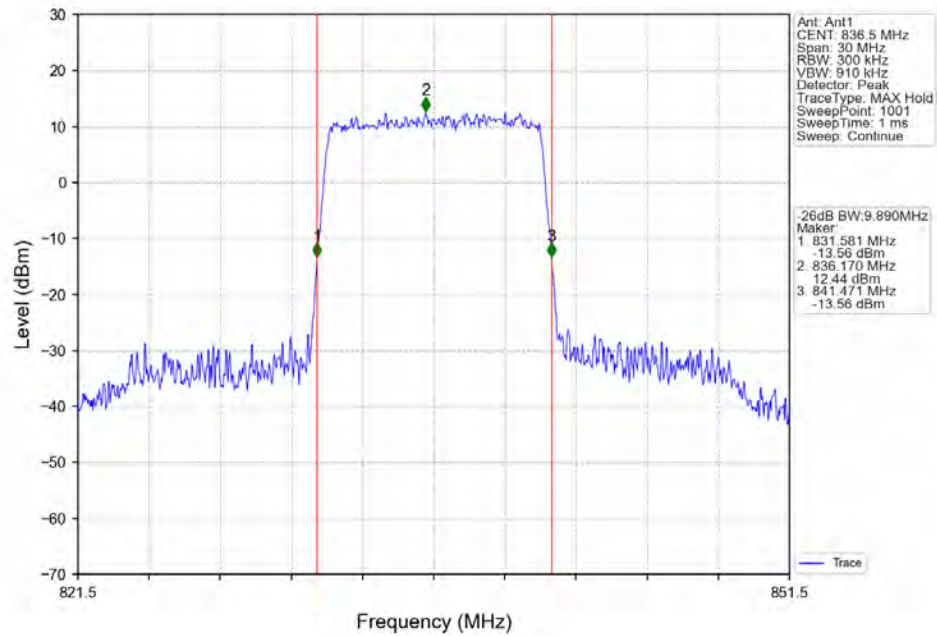
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



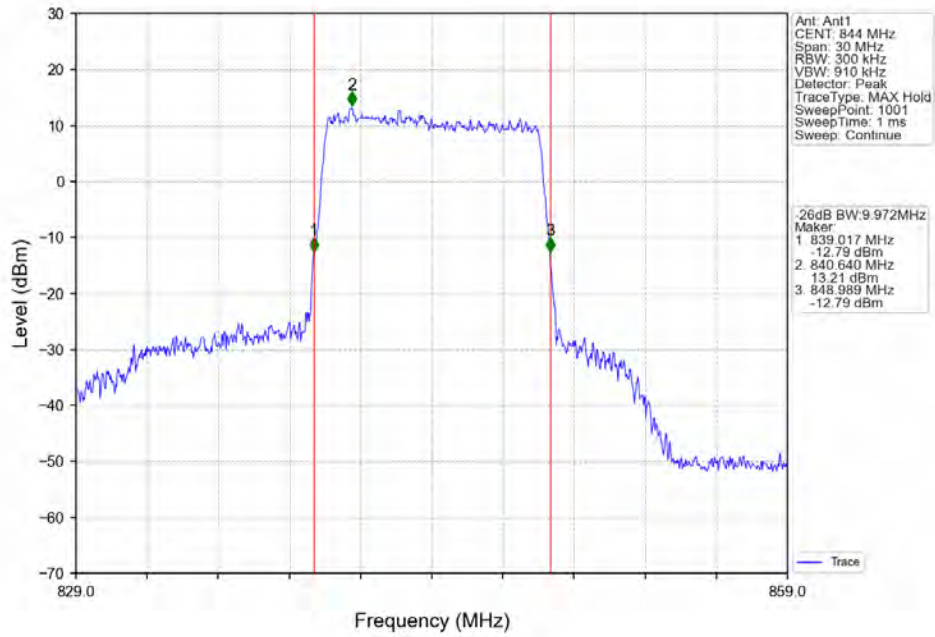
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



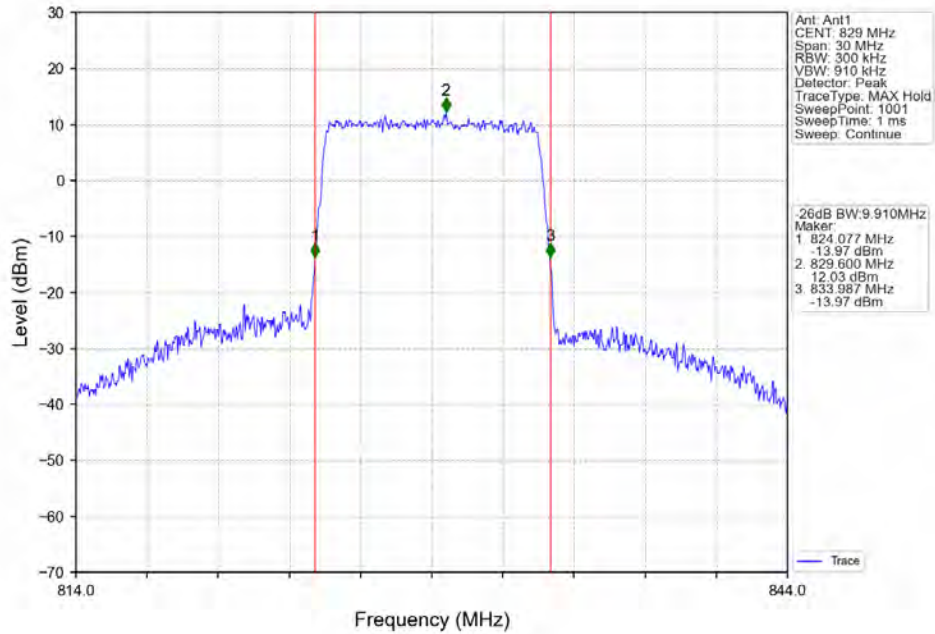
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



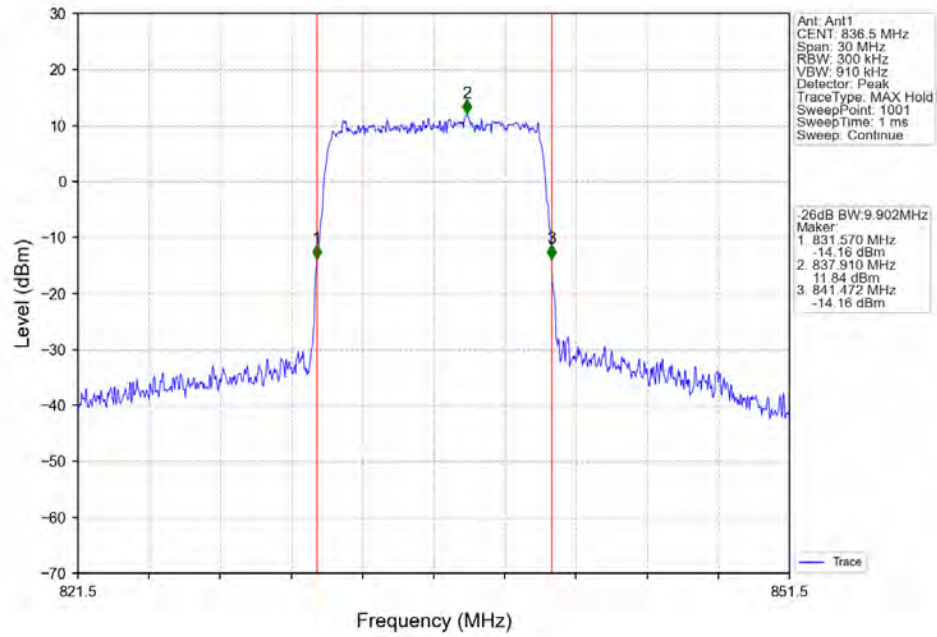
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



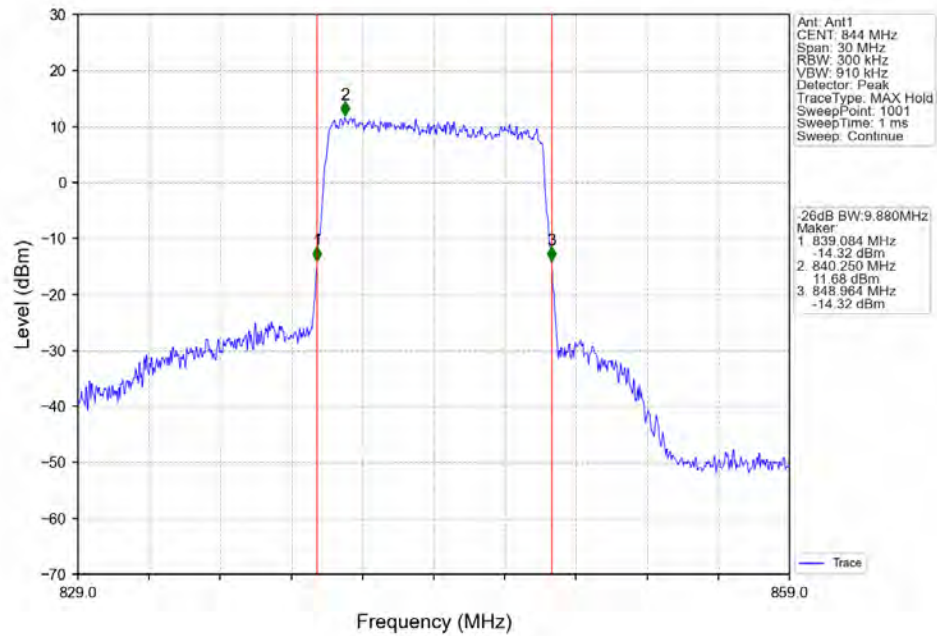
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	4.71	<=13	Pass
	836.5	6	0	5.59	<=13	Pass
	848.3	6	0	5.57	<=13	Pass
16QAM	824.7	6	0	5.66	<=13	Pass
	836.5	6	0	6.46	<=13	Pass
	848.3	6	0	6.28	<=13	Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.01	<=13	Pass
	836.5	15	0	5.49	<=13	Pass
	847.5	15	0	5.50	<=13	Pass
16QAM	825.5	15	0	5.83	<=13	Pass
	836.5	15	0	6.38	<=13	Pass
	847.5	15	0	6.30	<=13	Pass

5.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.28	<=13	Pass
	836.5	25	0	5.65	<=13	Pass
	846.5	25	0	5.64	<=13	Pass
16QAM	826.5	25	0	5.97	<=13	Pass
	836.5	25	0	6.36	<=13	Pass
	846.5	25	0	6.31	<=13	Pass

5.1.4 B5_10MHz

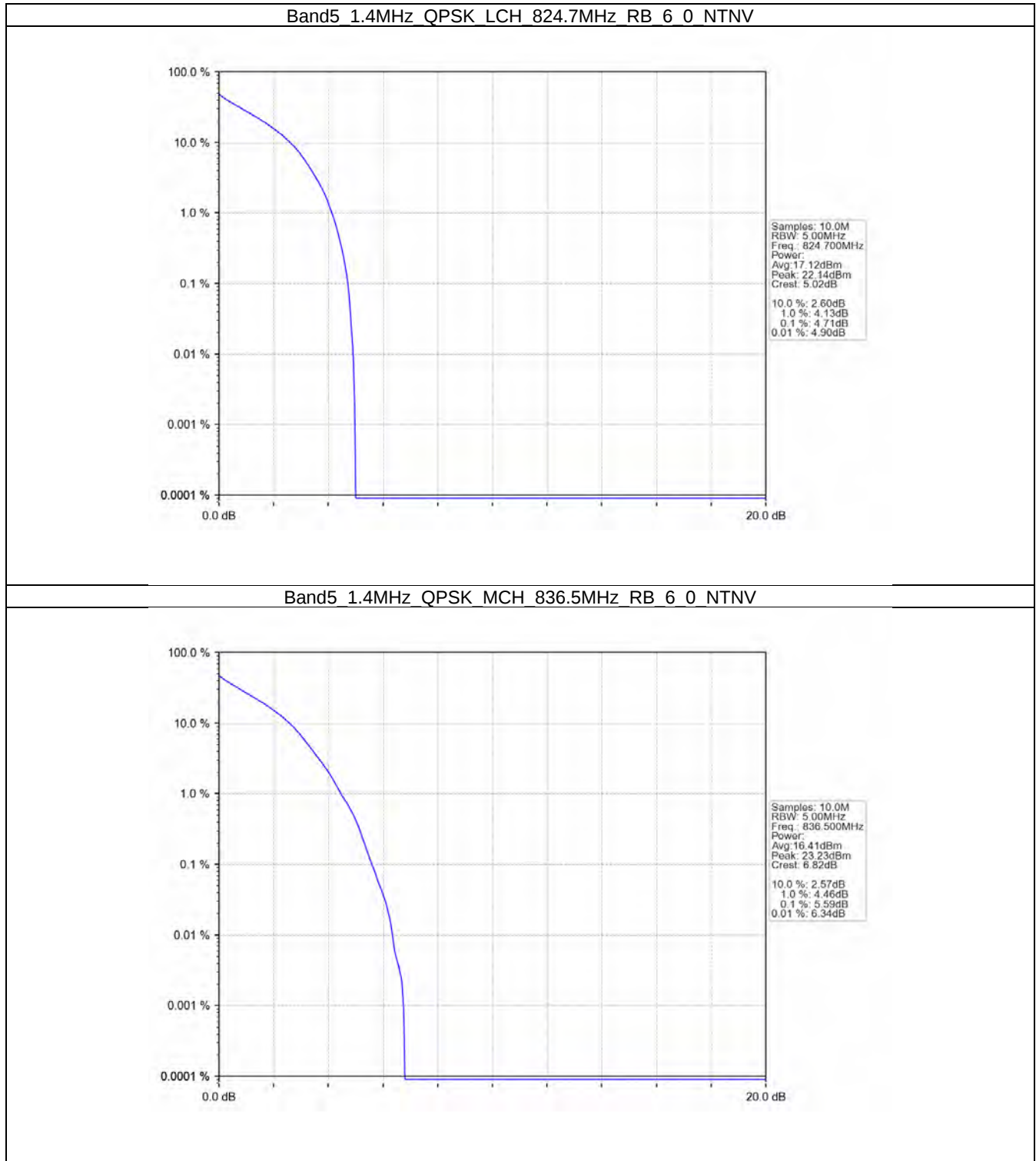
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.37	<=13	Pass
	836.5	50	0	5.53	<=13	Pass
	844	50	0	5.55	<=13	Pass
16QAM	829	50	0	6.09	<=13	Pass



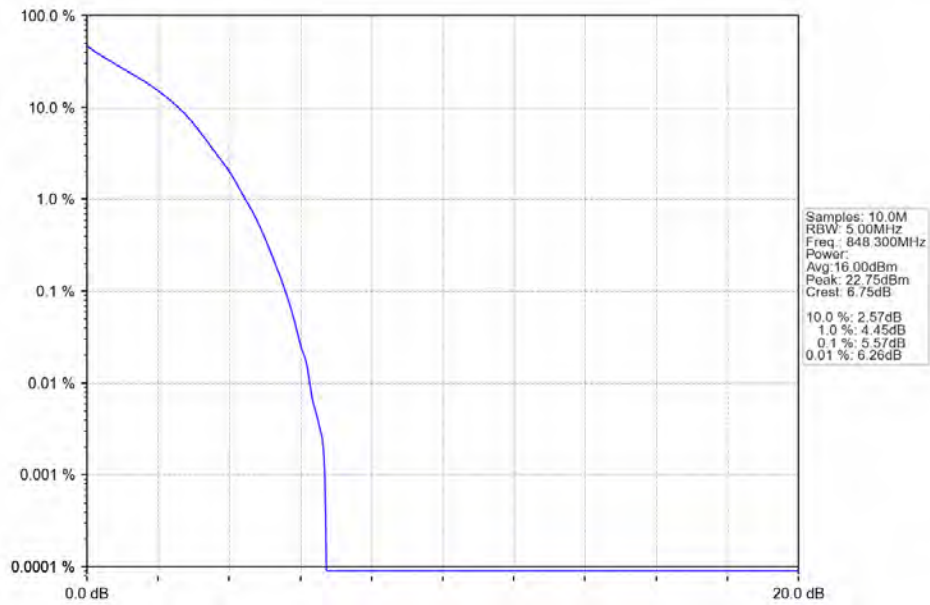
	836.5	50	0	6.32	<=13	Pass
	844	50	0	6.26	<=13	Pass

5.2 Test Graph

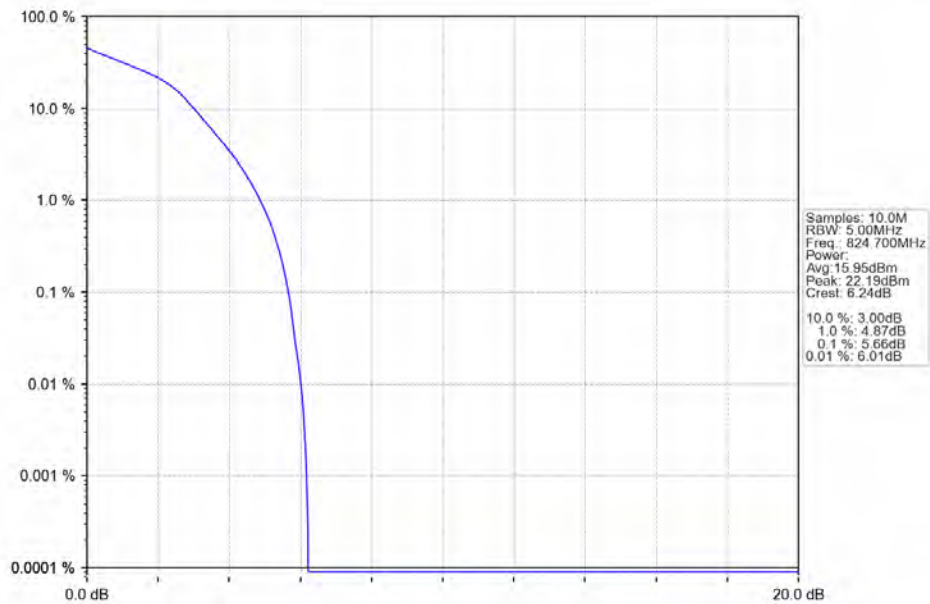
5.2.1 B5_1.4MHz



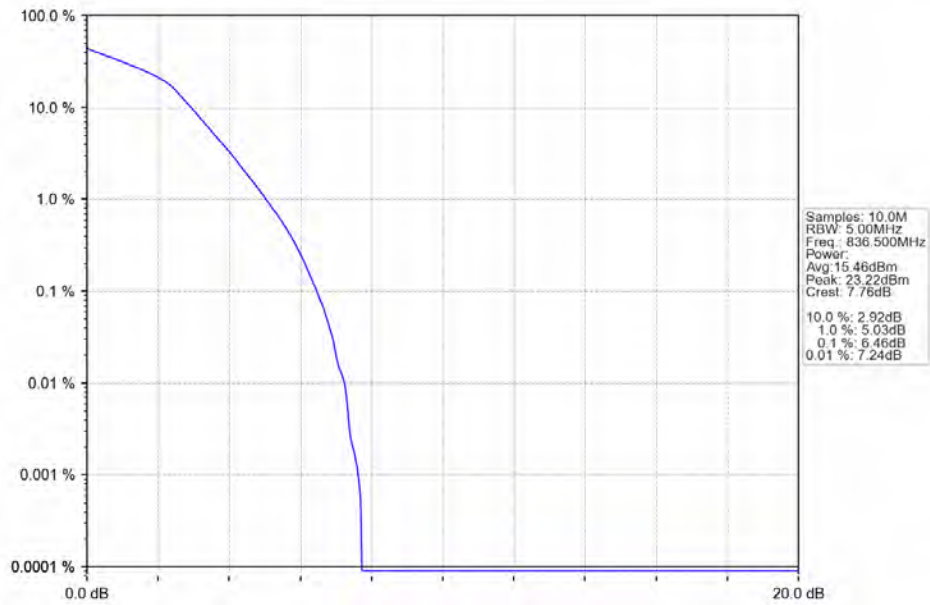
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



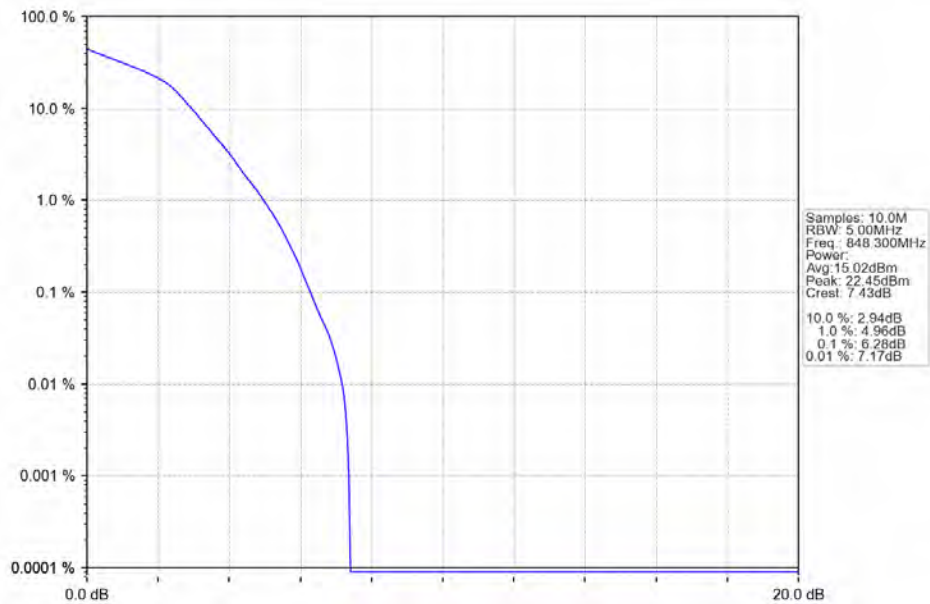
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV

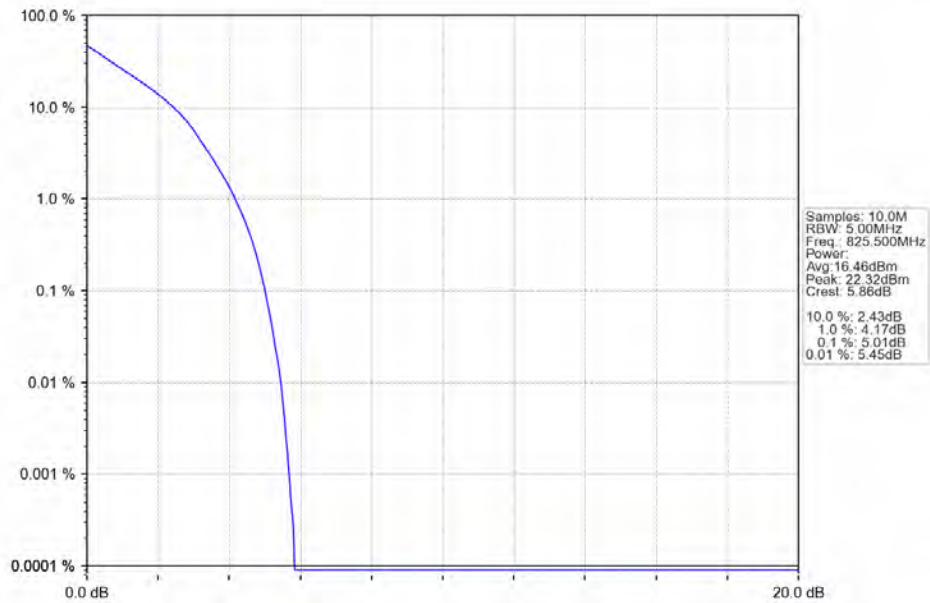


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

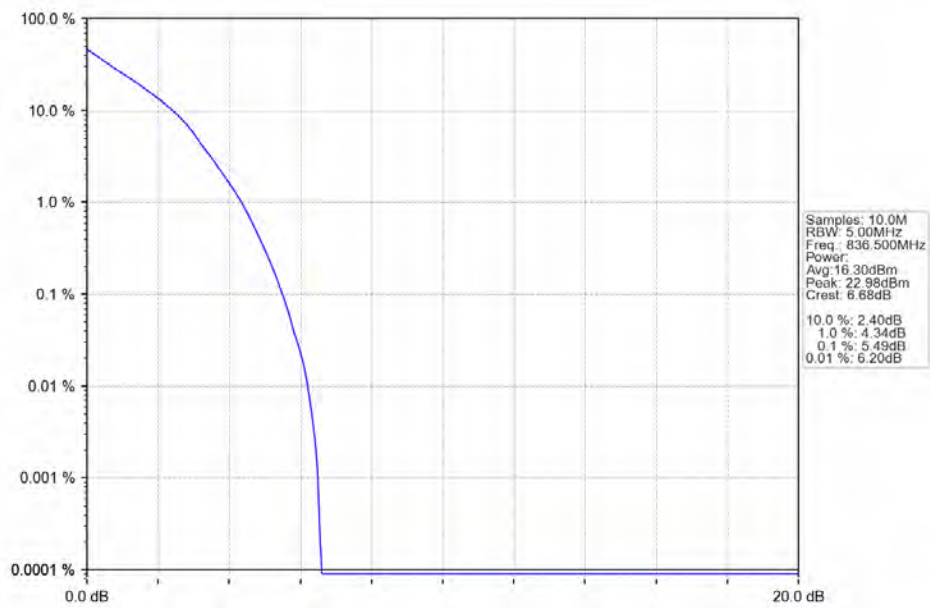


5.2.2 B5_3MHz

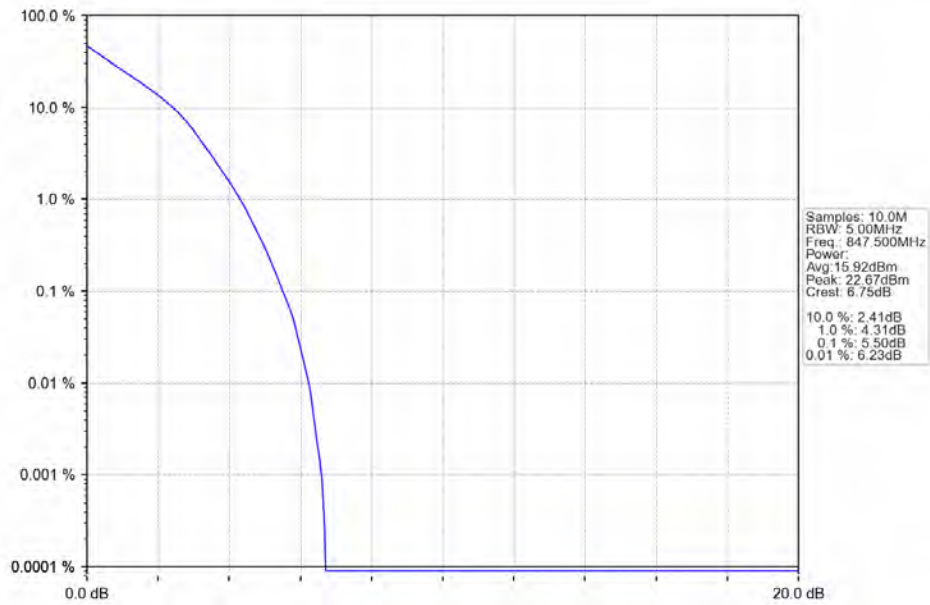
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



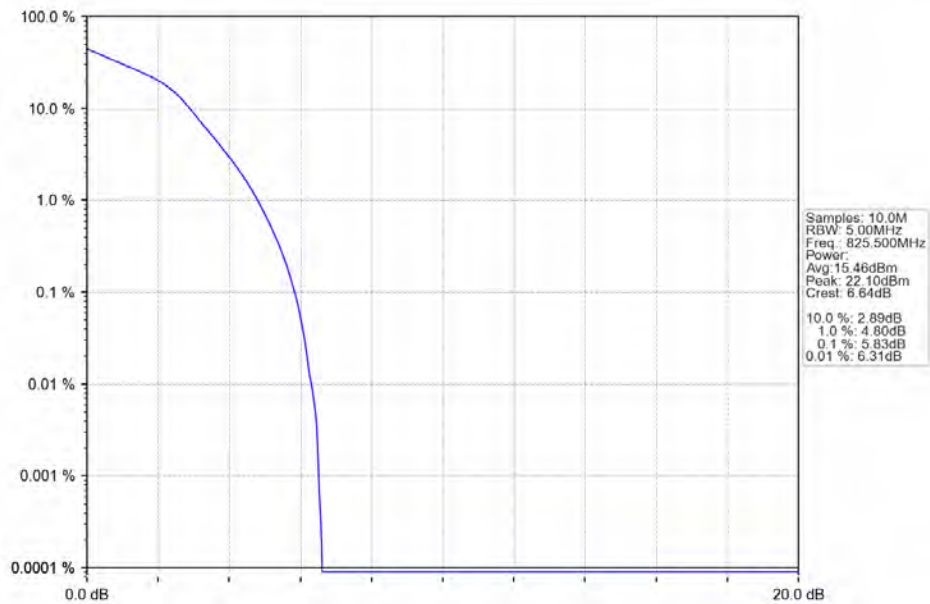
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



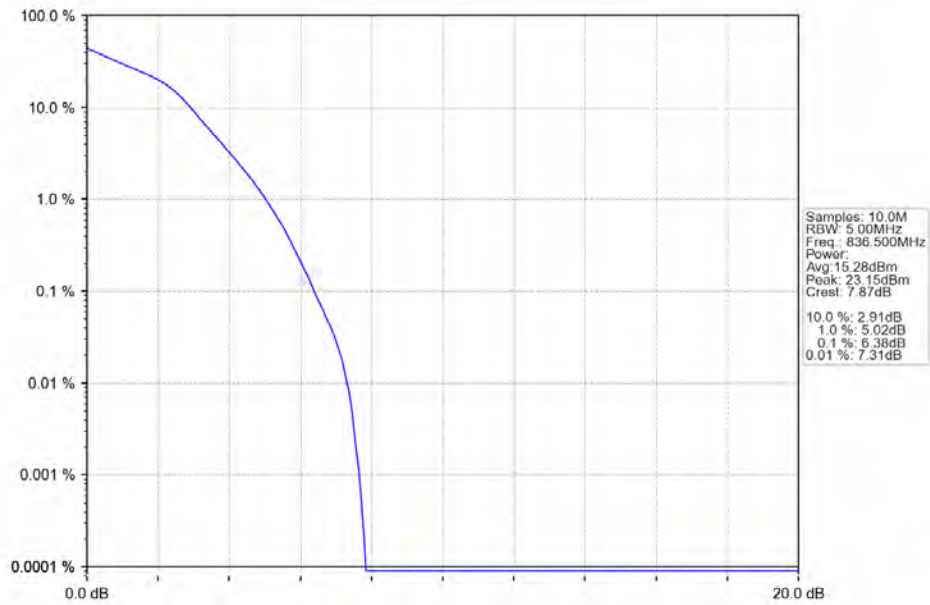
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



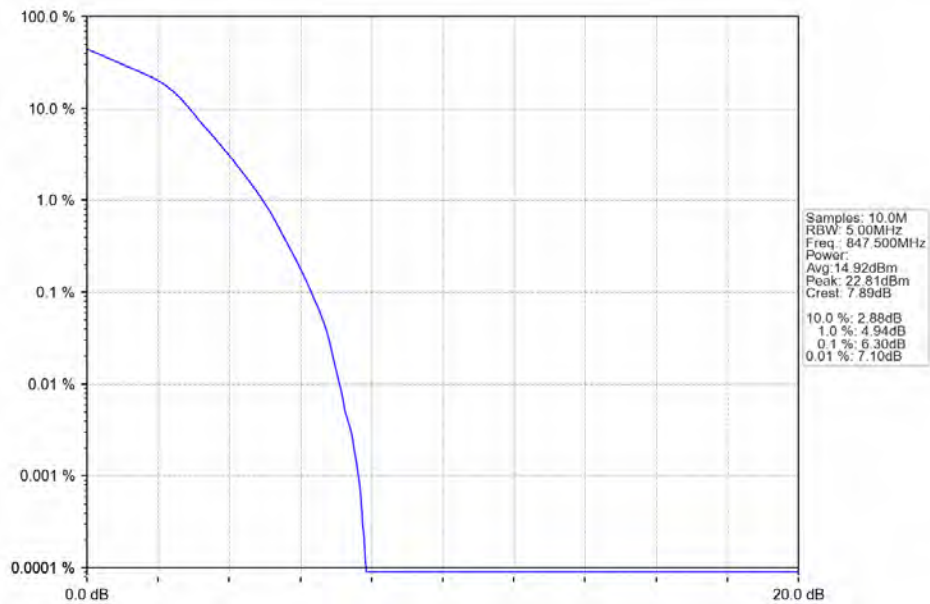
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV

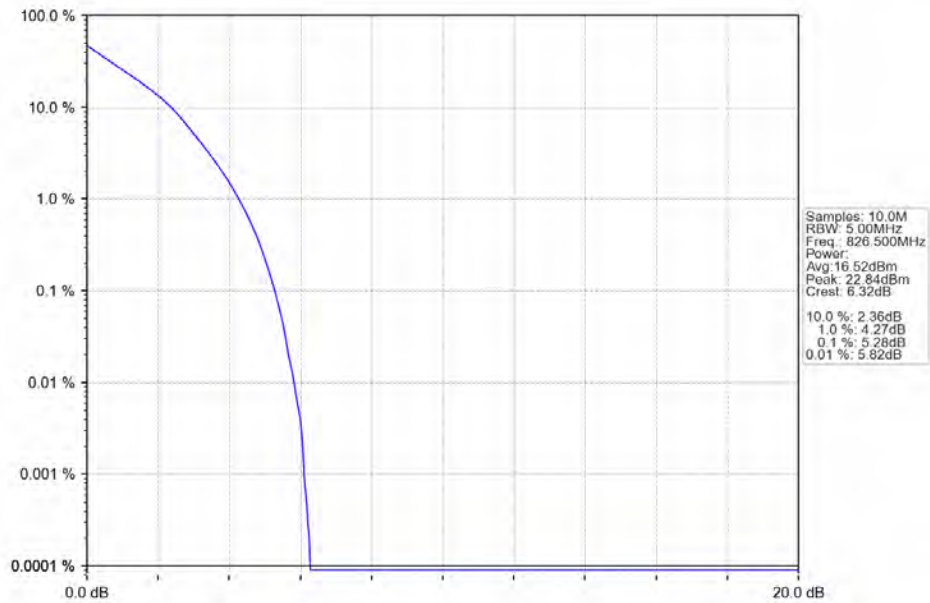


Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

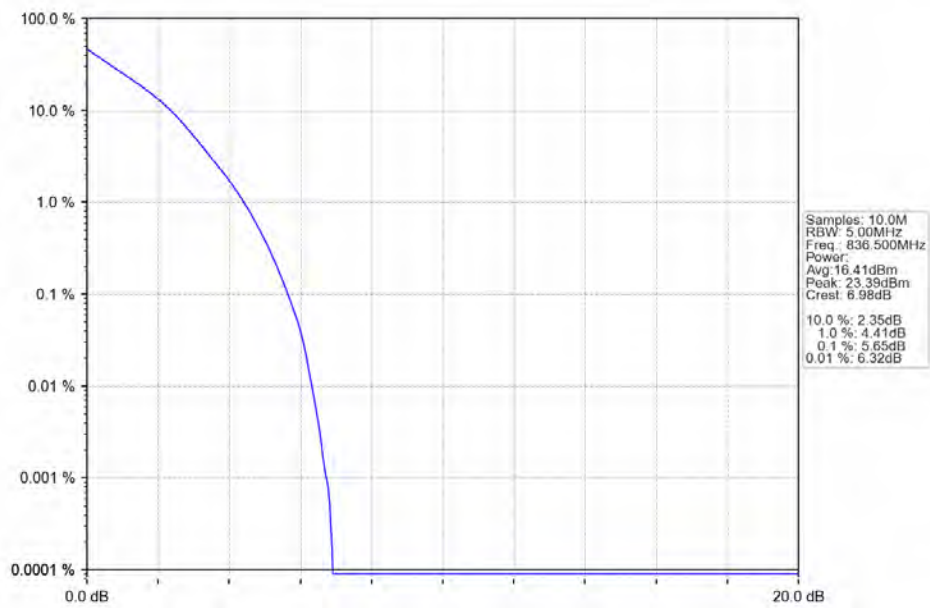


5.2.3 B5_5MHz

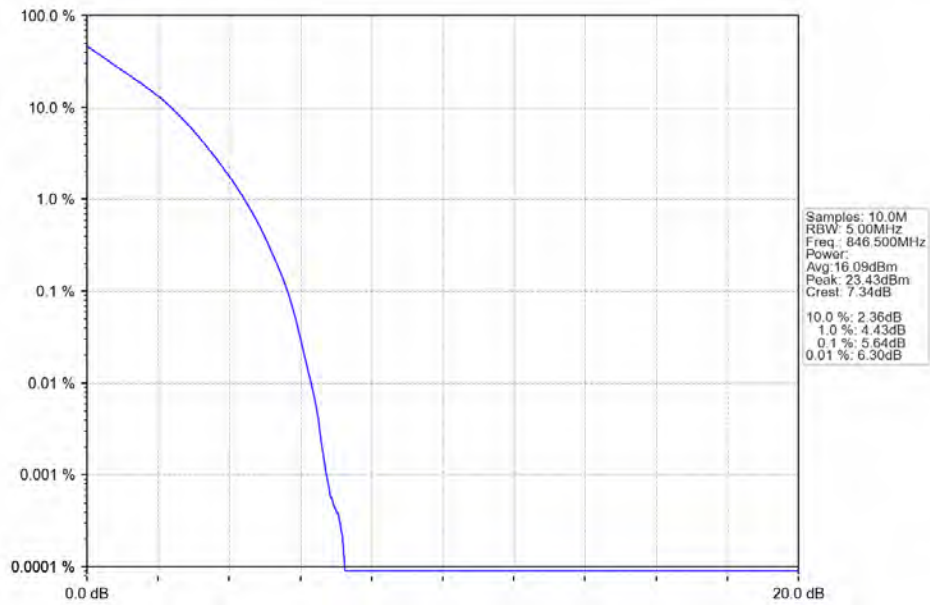
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



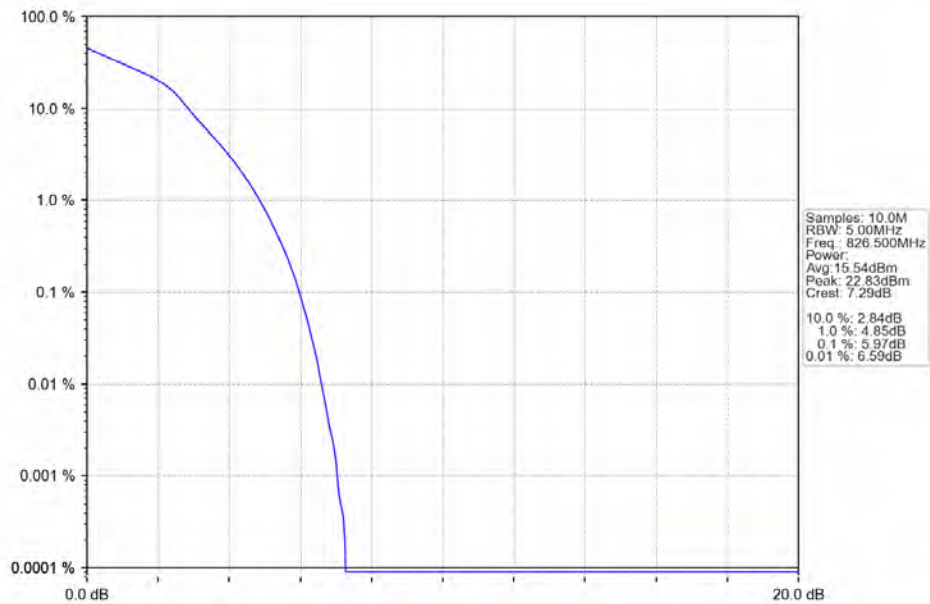
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



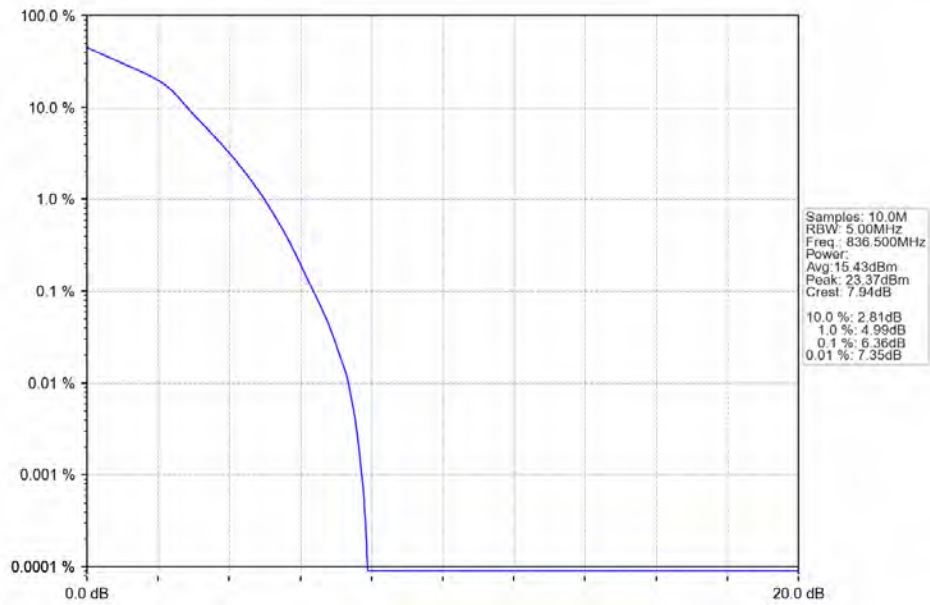
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



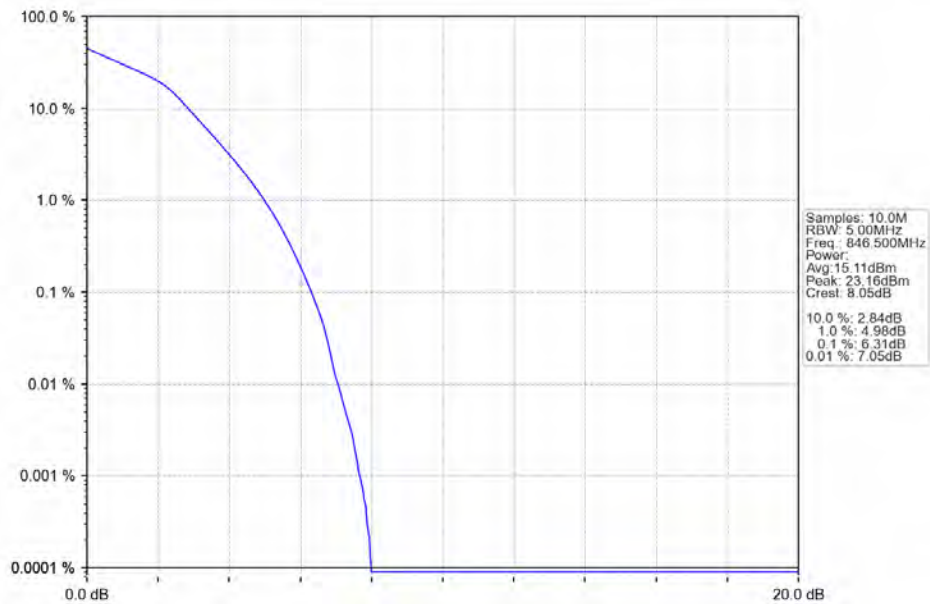
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

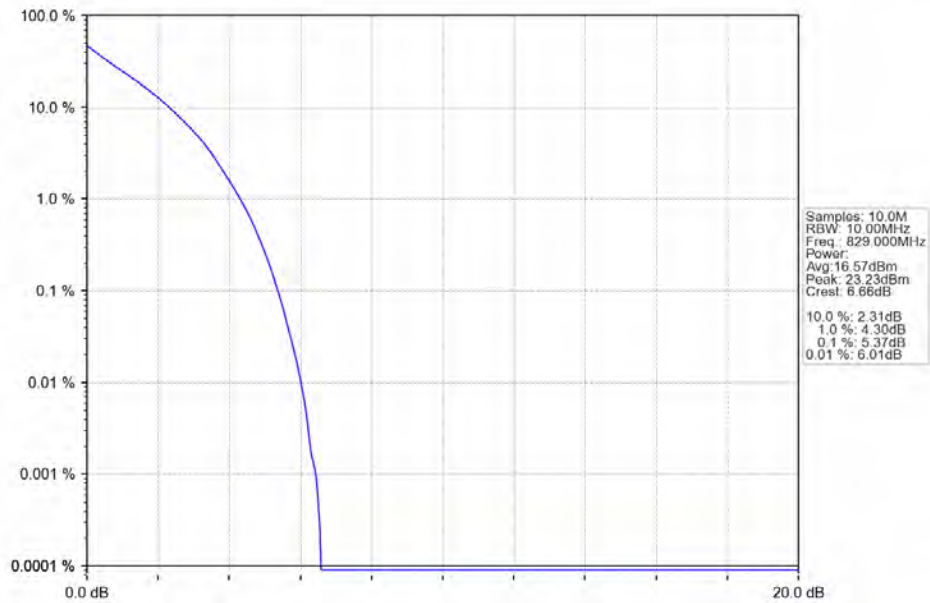


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

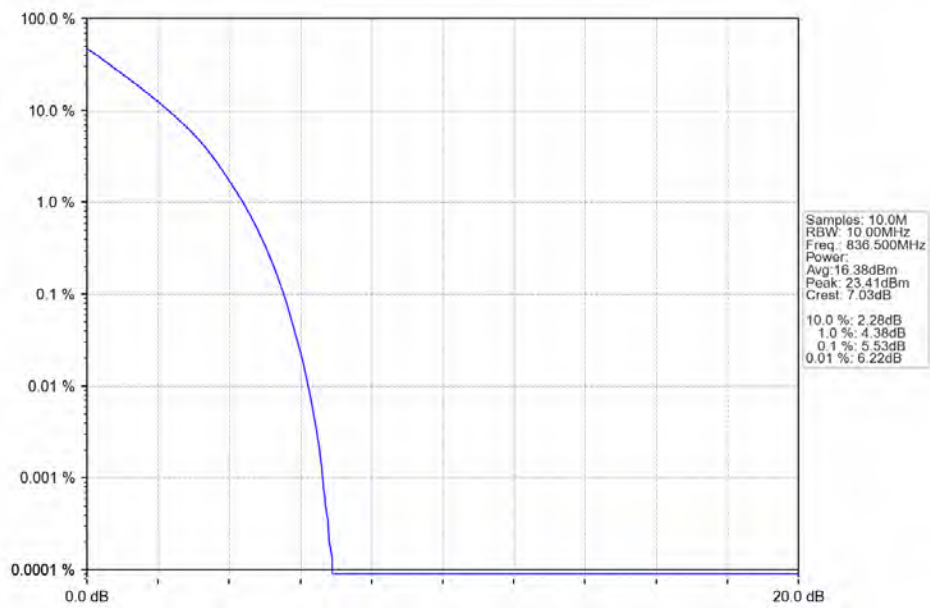


5.2.4 B5_10MHz

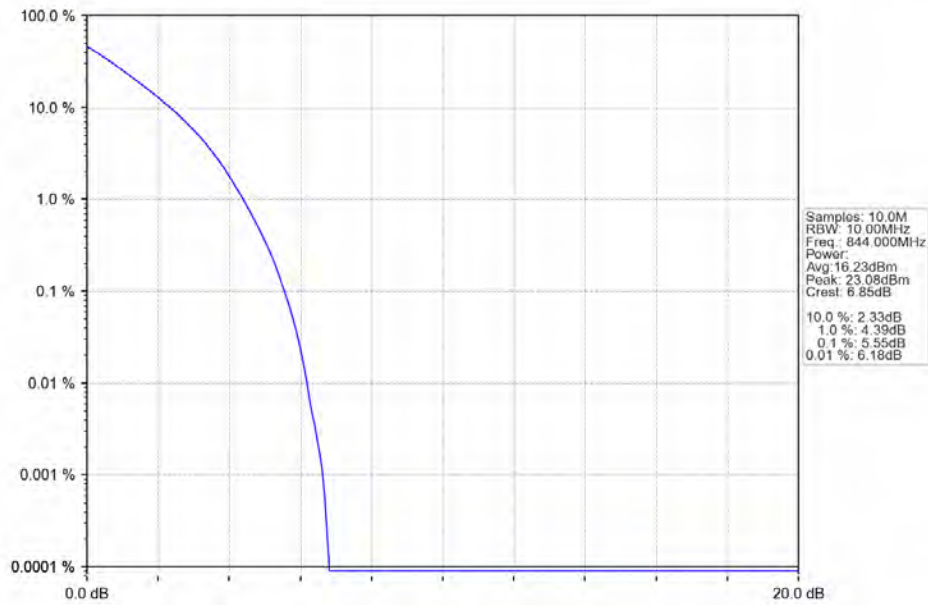
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN



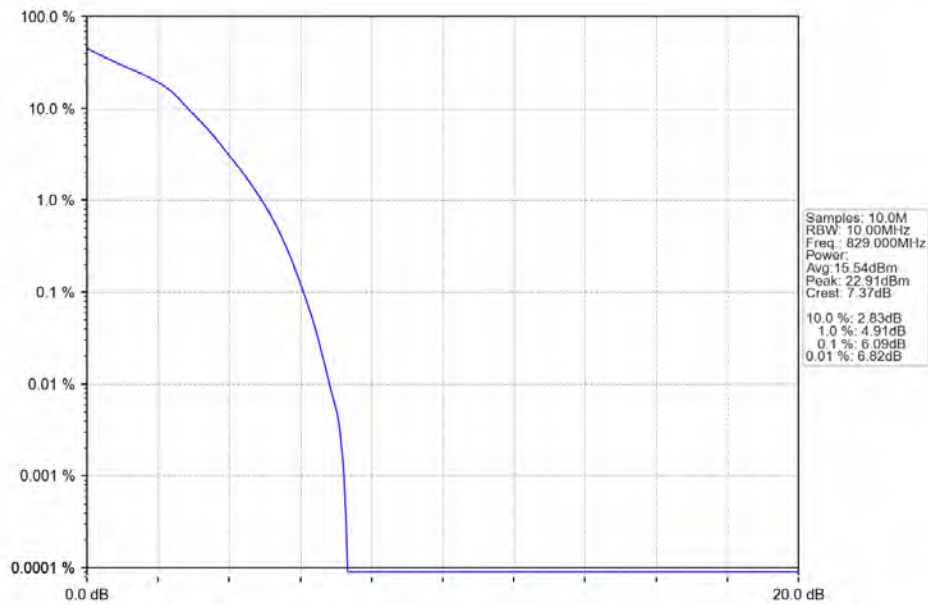
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



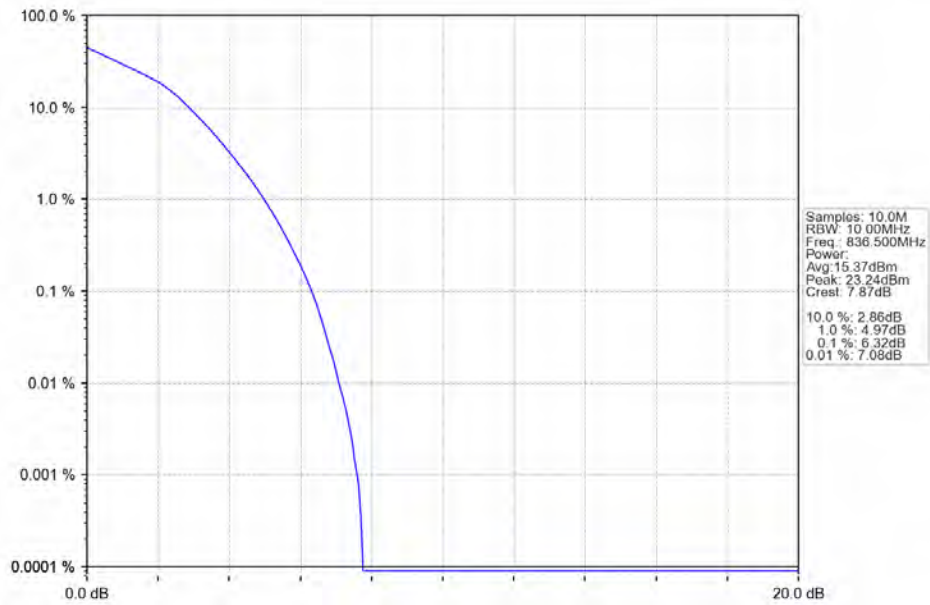
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



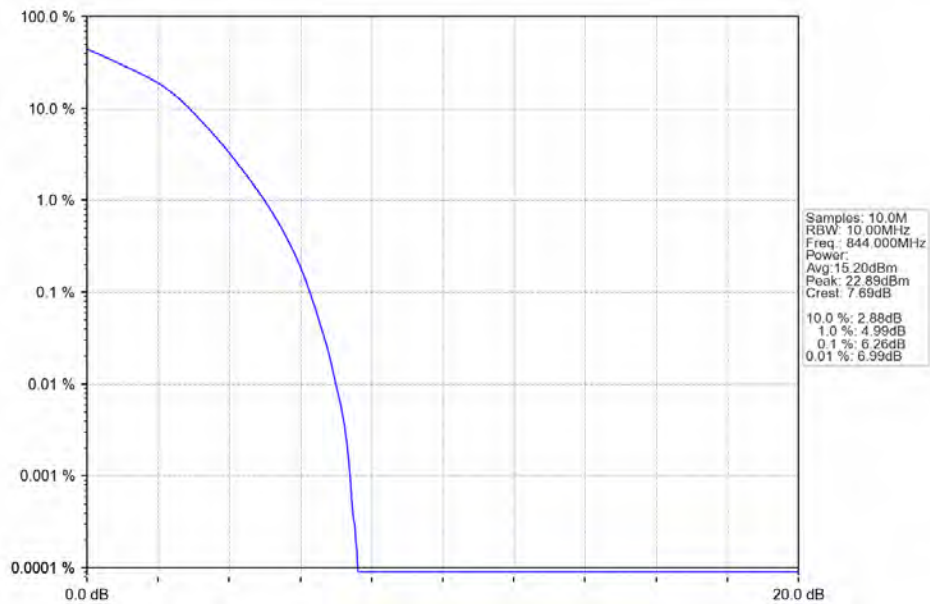
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B5_1.4MHz

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
	848.3	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
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B5_3MHz

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
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	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
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.1.3 B5_5MHz

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
	836.5	1	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

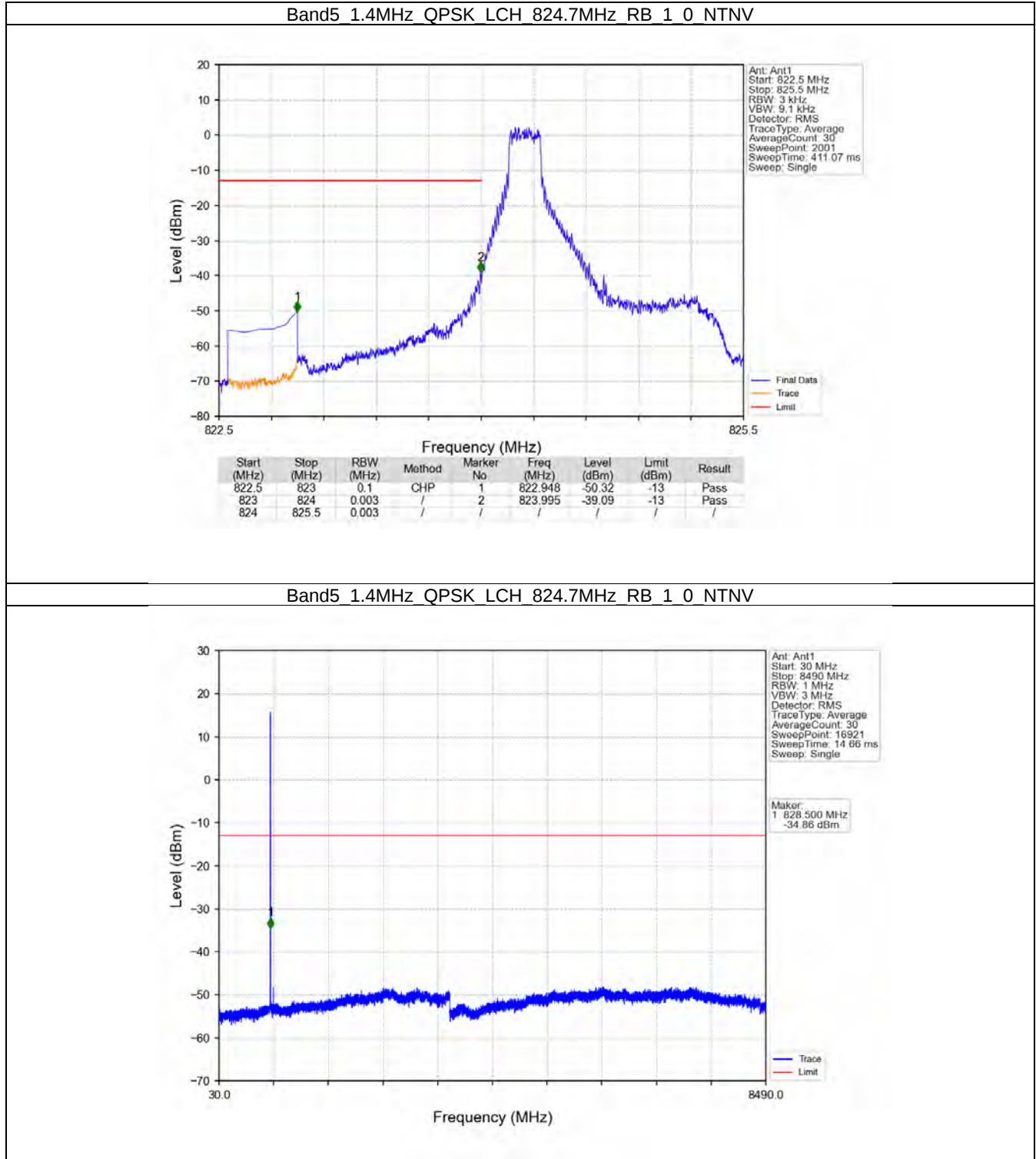
16QAM	826.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
	846.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B5_10MHz

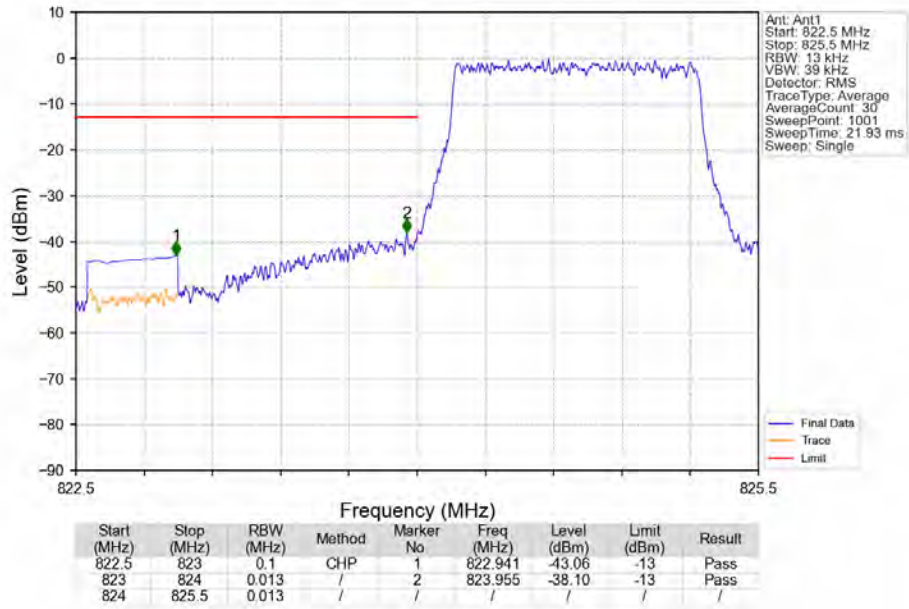
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

6.2 Test Graph

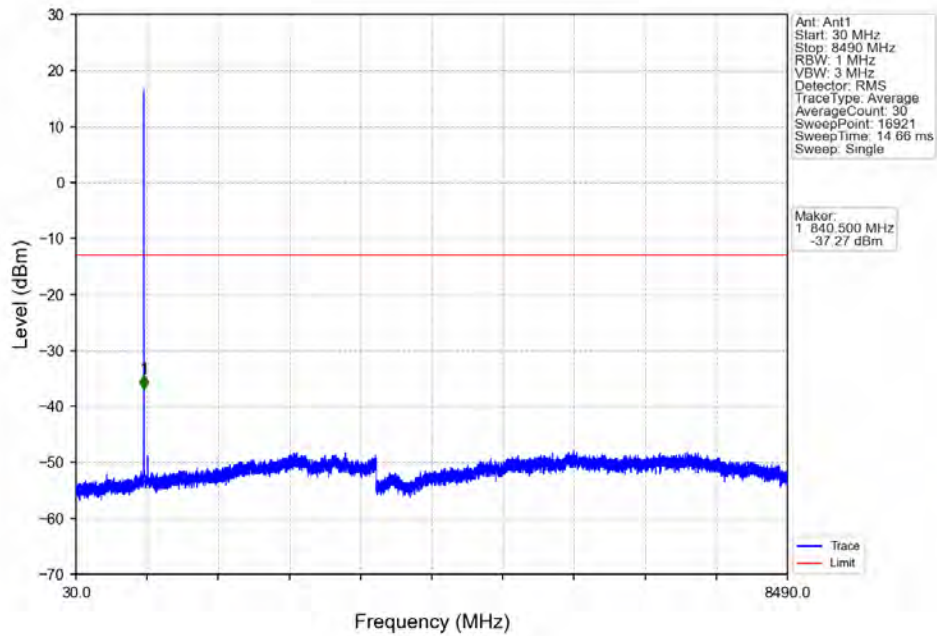
6.2.1 B5_1.4MHz



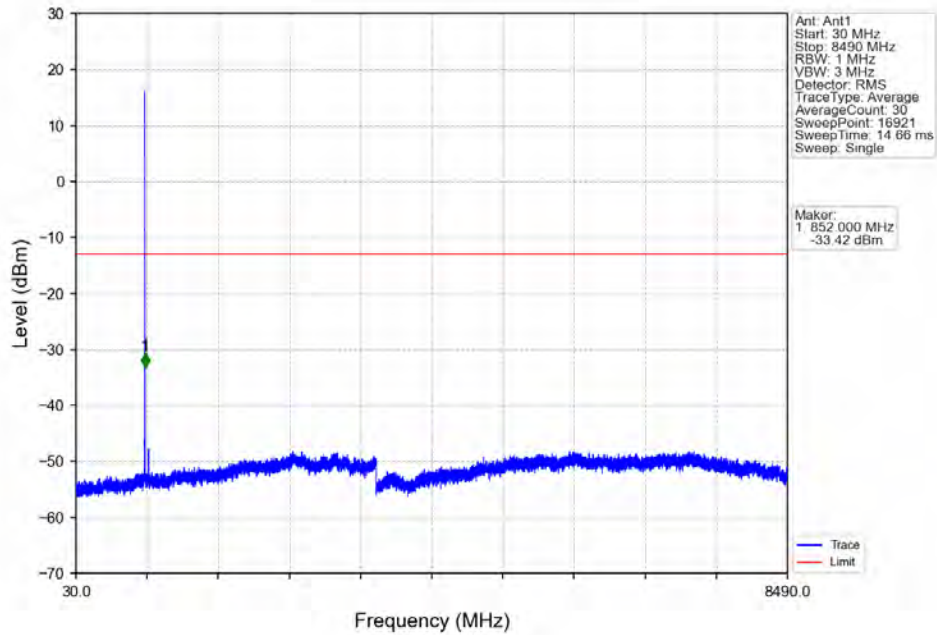
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



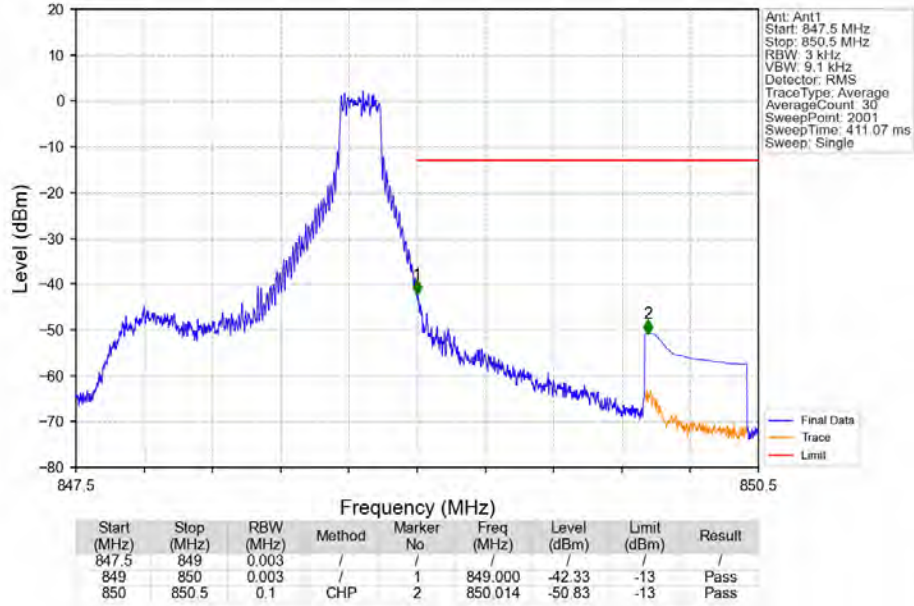
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



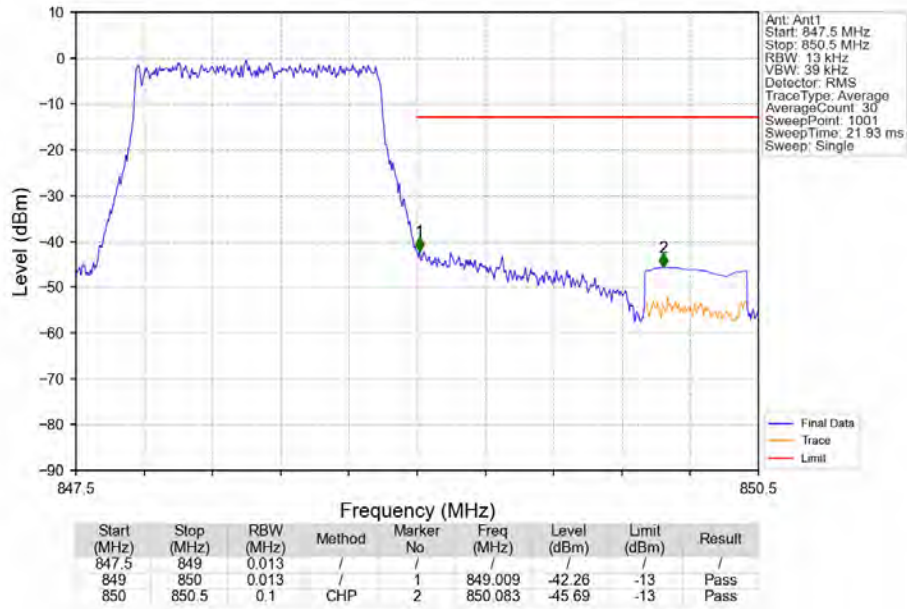
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



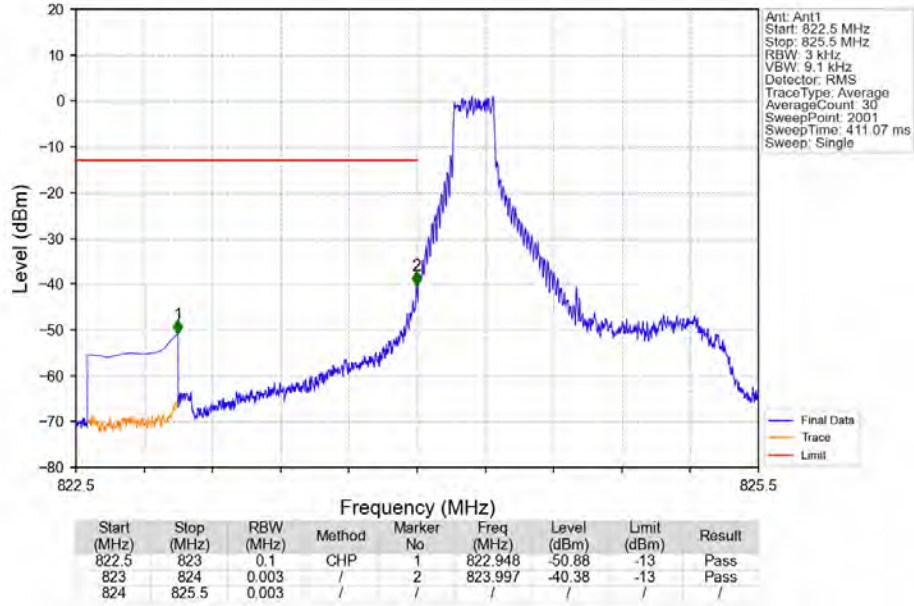
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



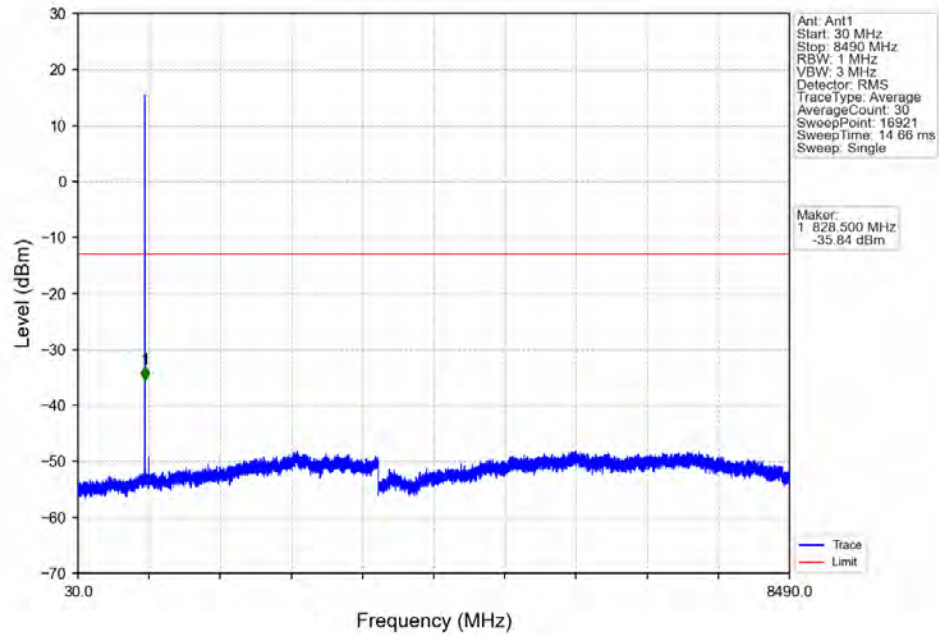
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



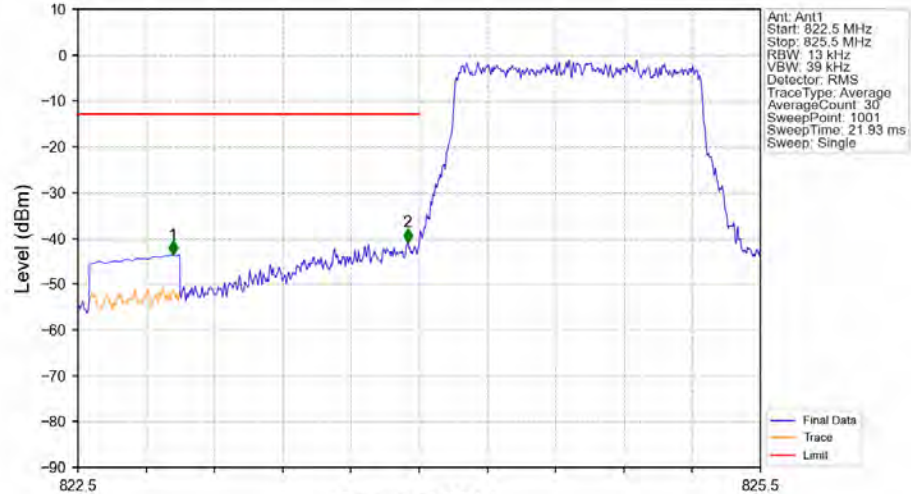
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

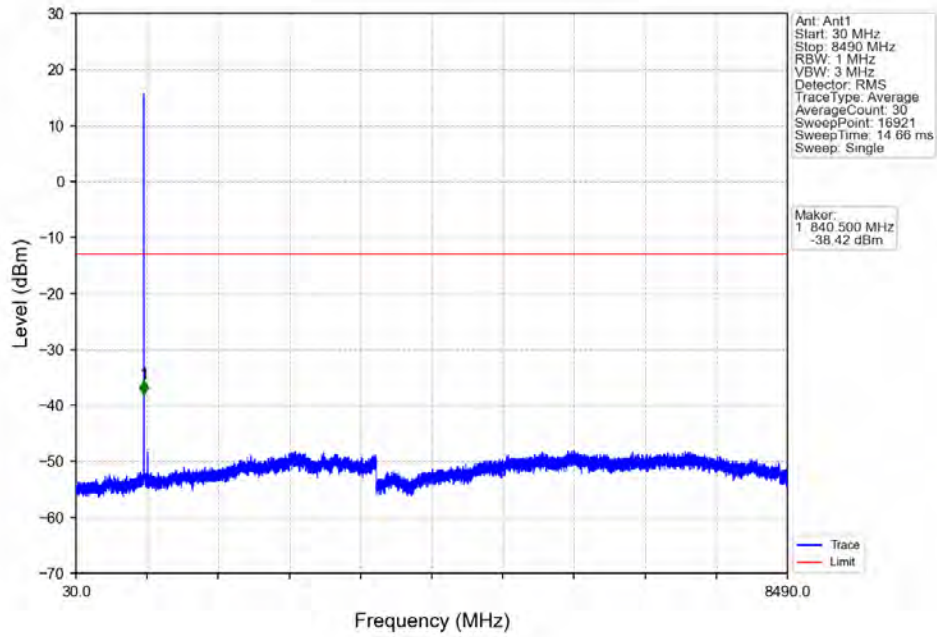


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

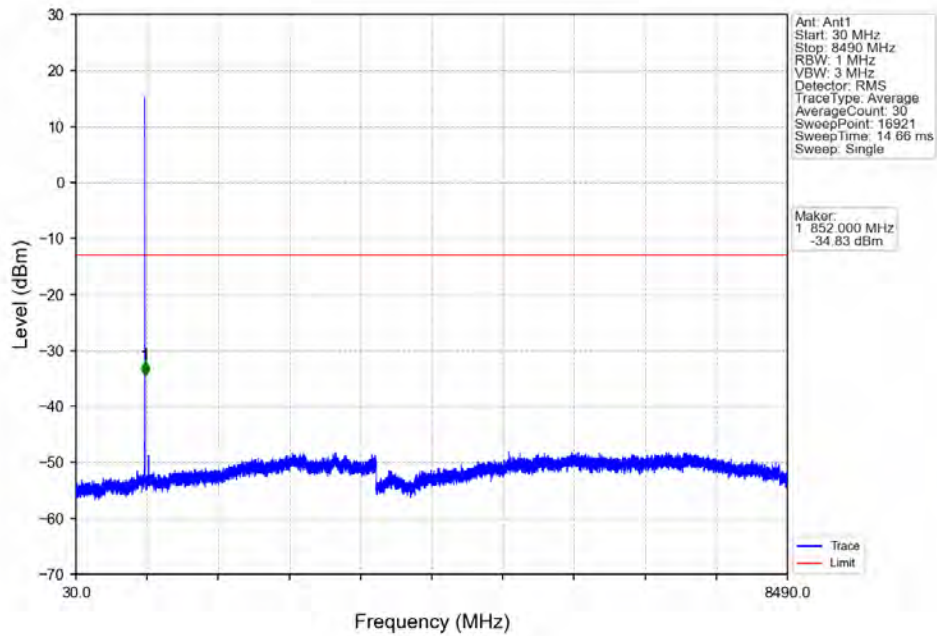


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.917	-43.61	-13	Pass
823	824	0.013	/	2	823.949	-40.90	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

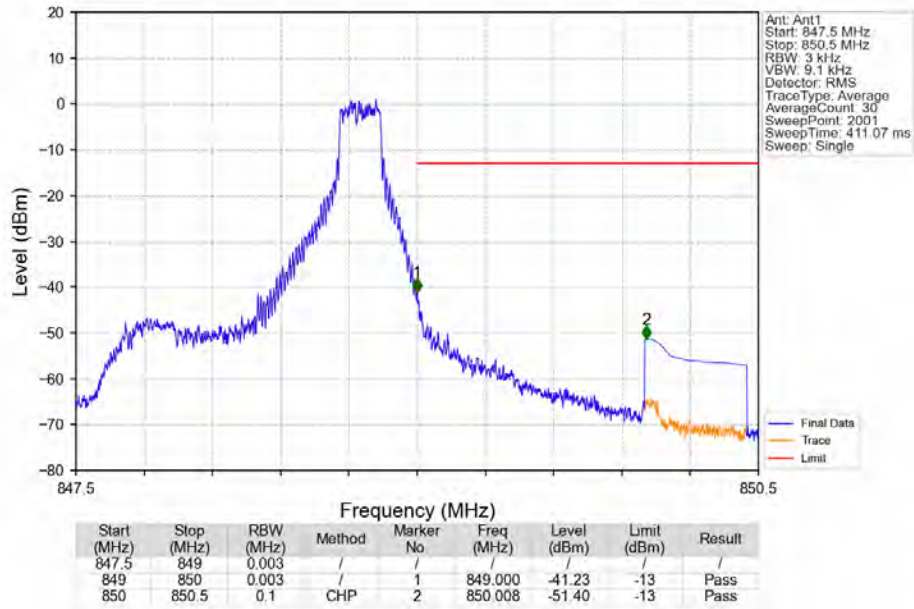
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



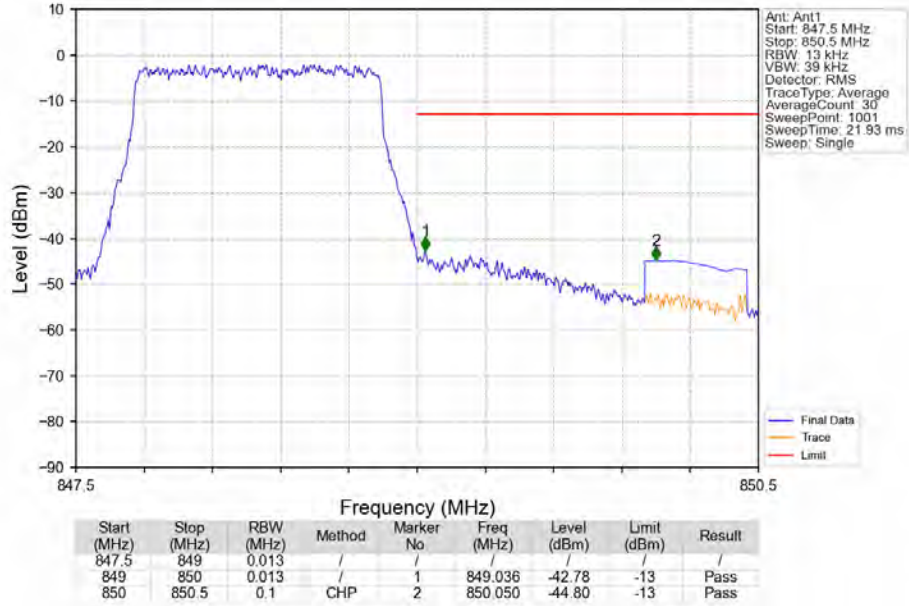
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV

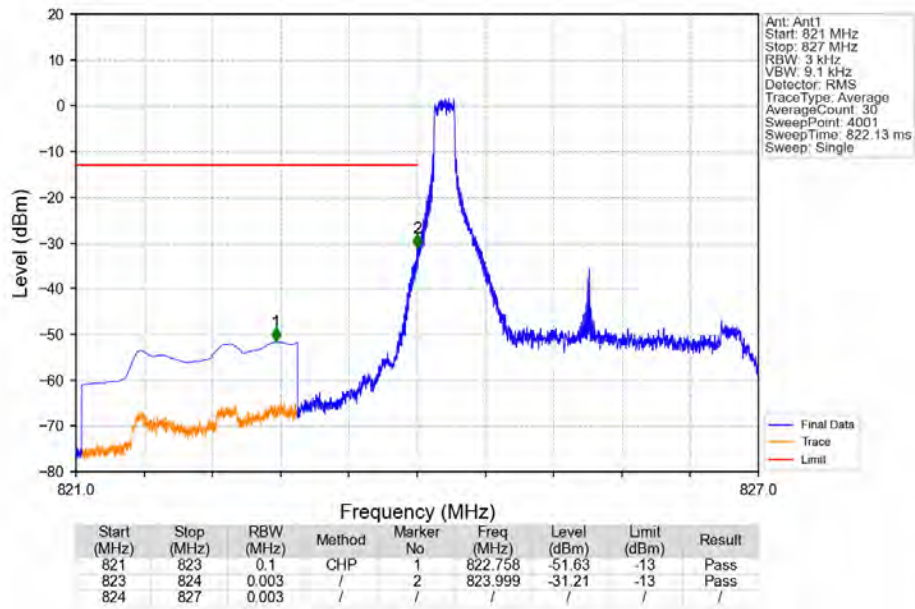


Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

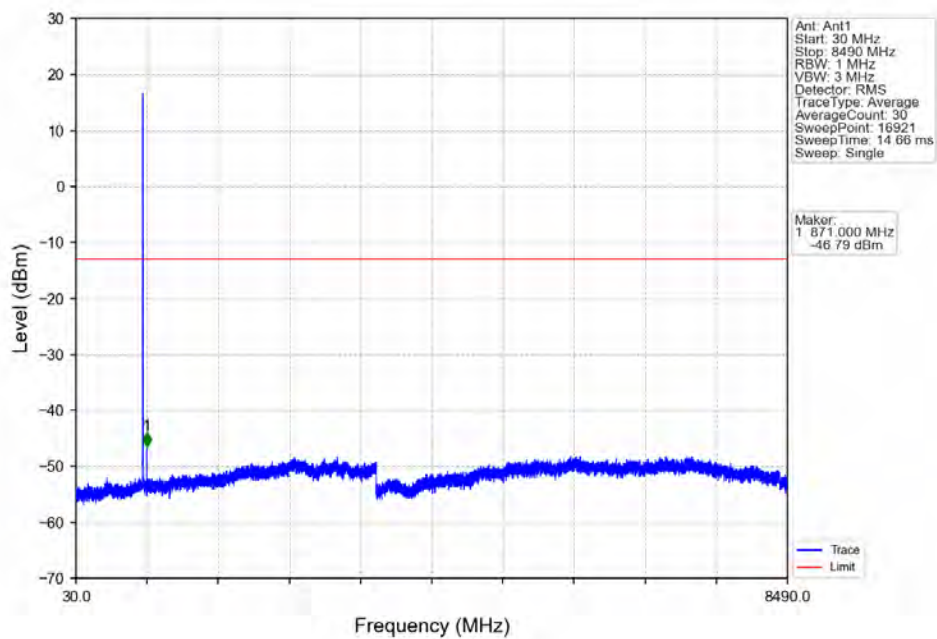


6.2.2 B5_3MHz

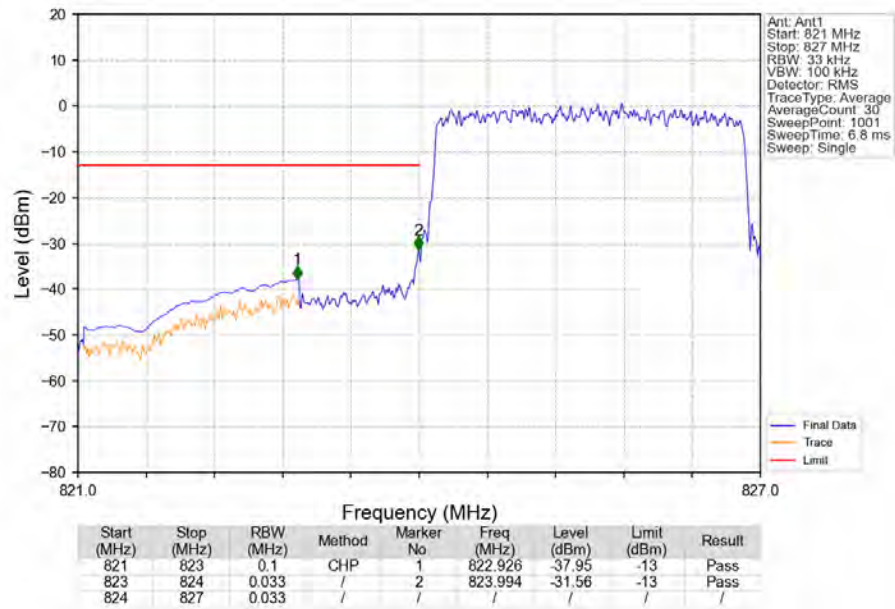
Band5 3MHz QPSK LCH 825.5MHz RB 1 0 NTV



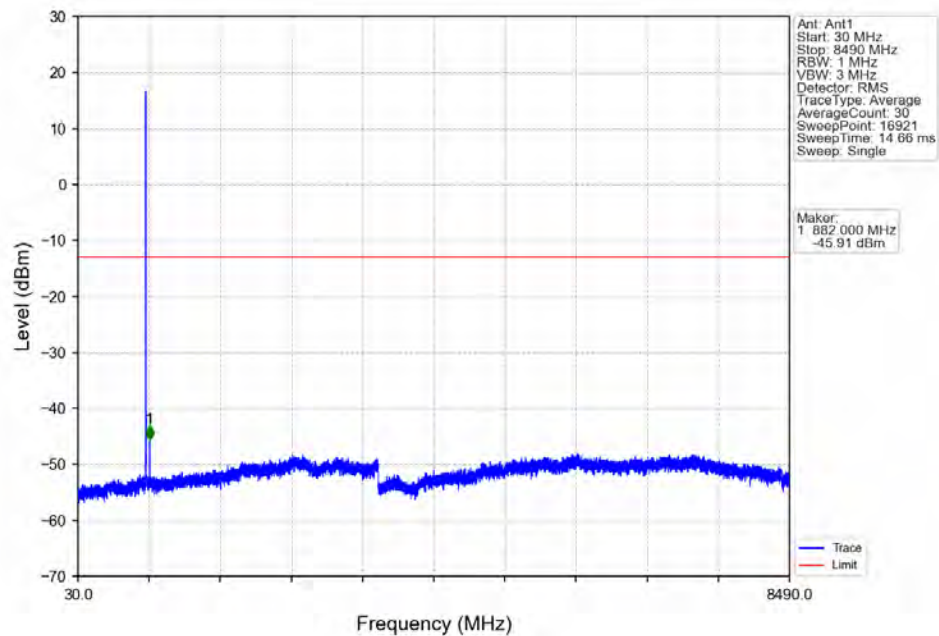
Band5 3MHz QPSK LCH 825.5MHz RB 1 0 NTV



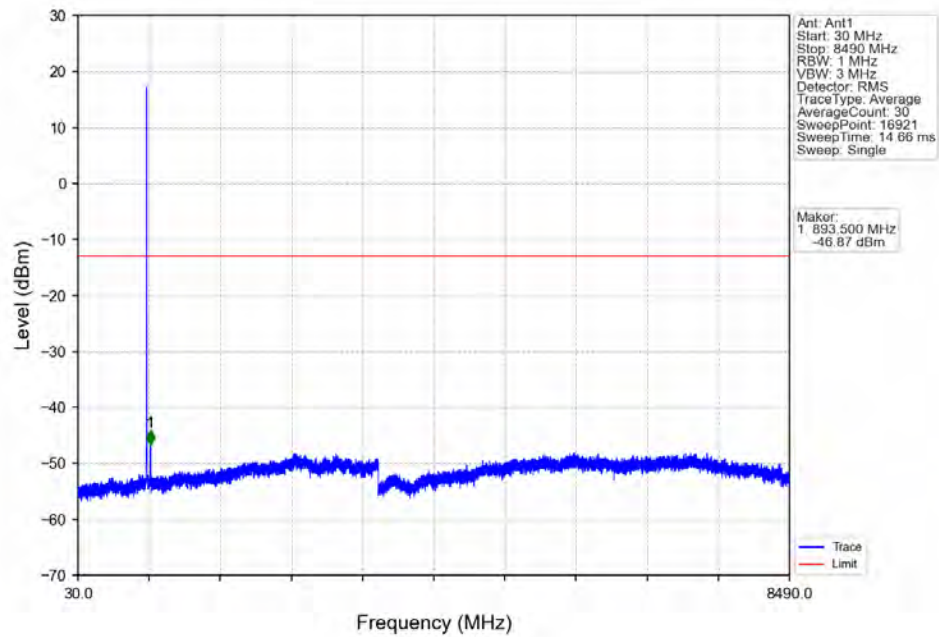
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



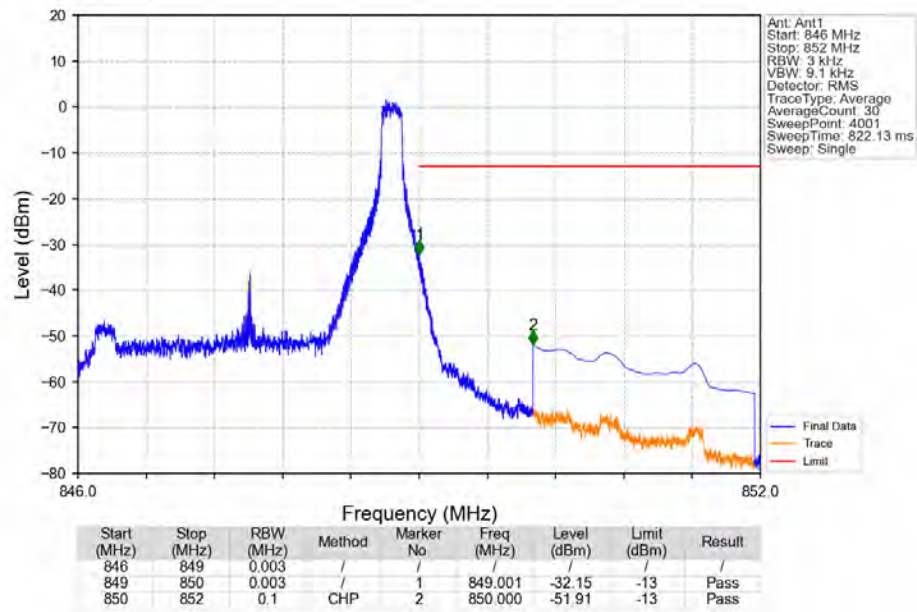
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



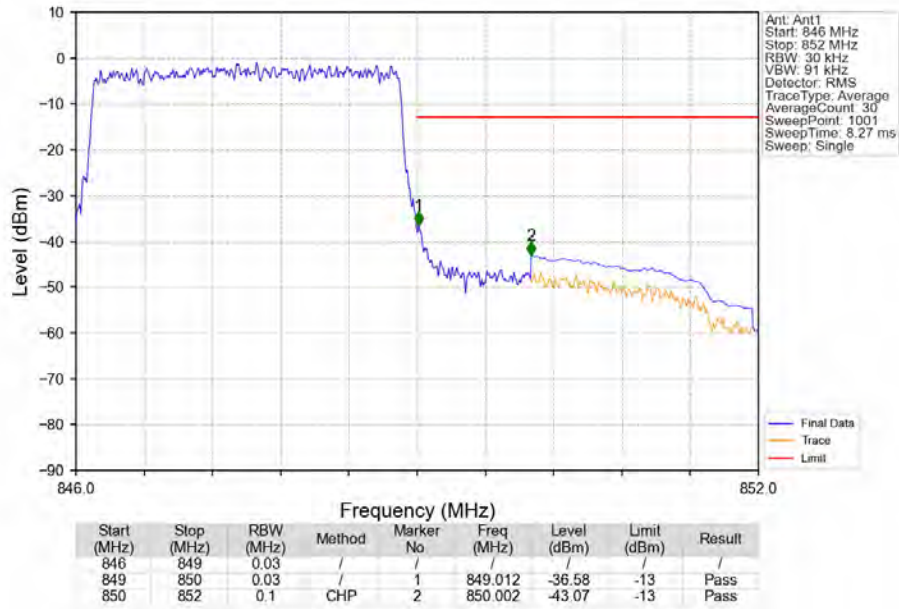
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



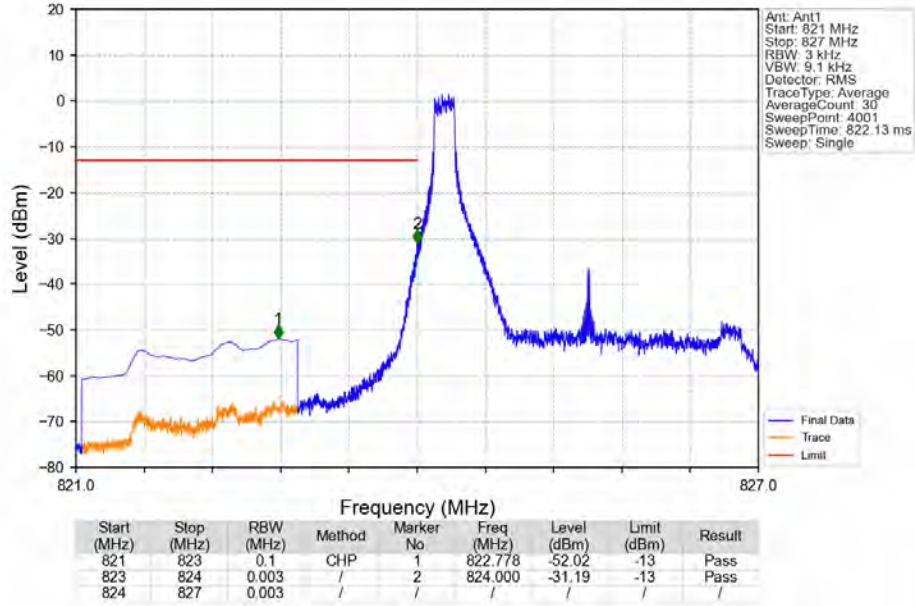
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



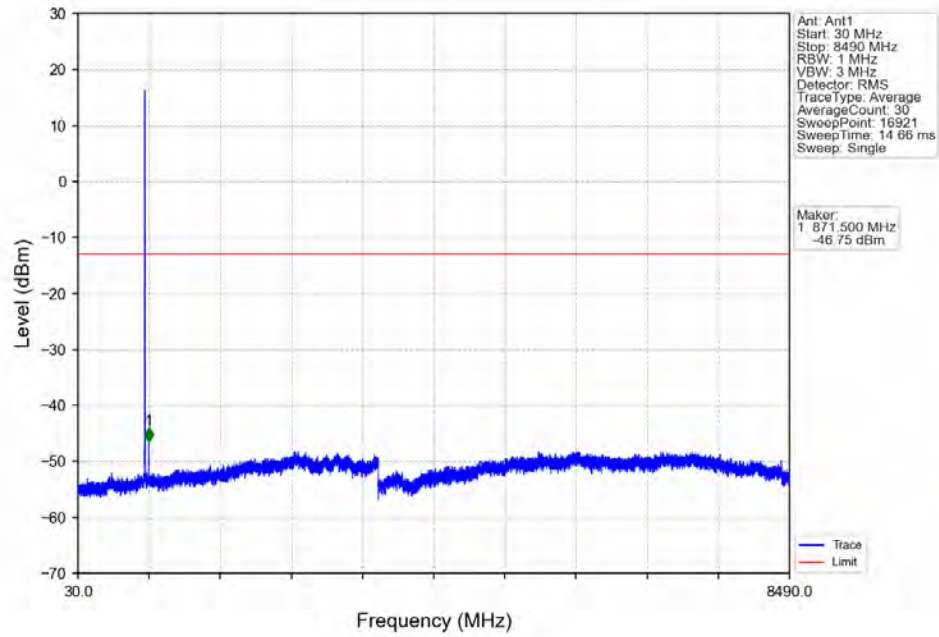
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



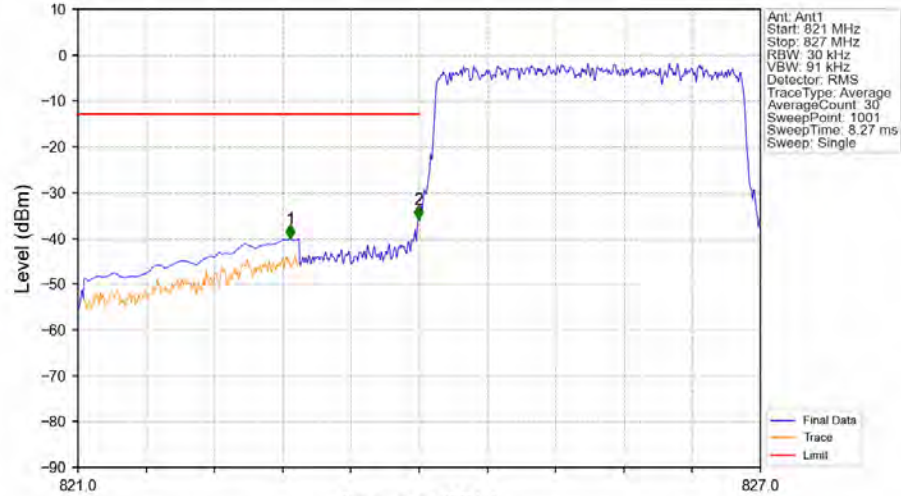
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

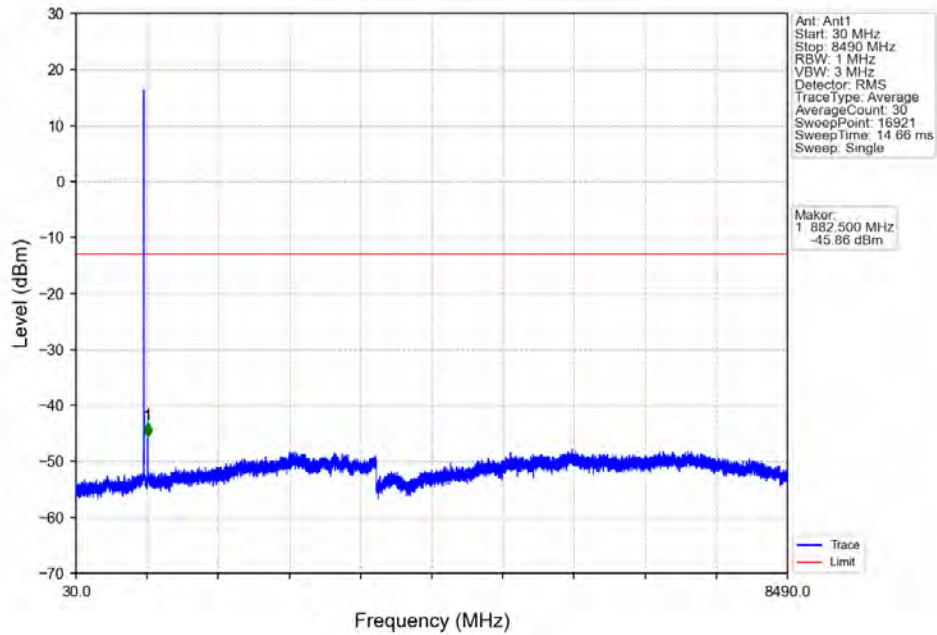


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

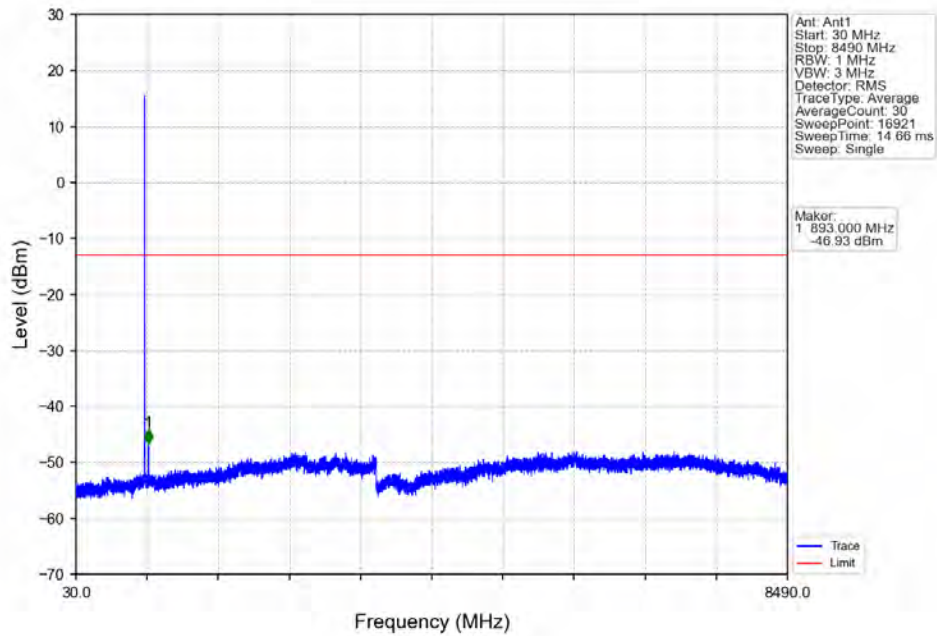


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.866	-40.13	-13	Pass
823	824	0.03	/	2	823.994	-35.83	-13	Pass
824	827	0.03	/	/	/	/	/	/

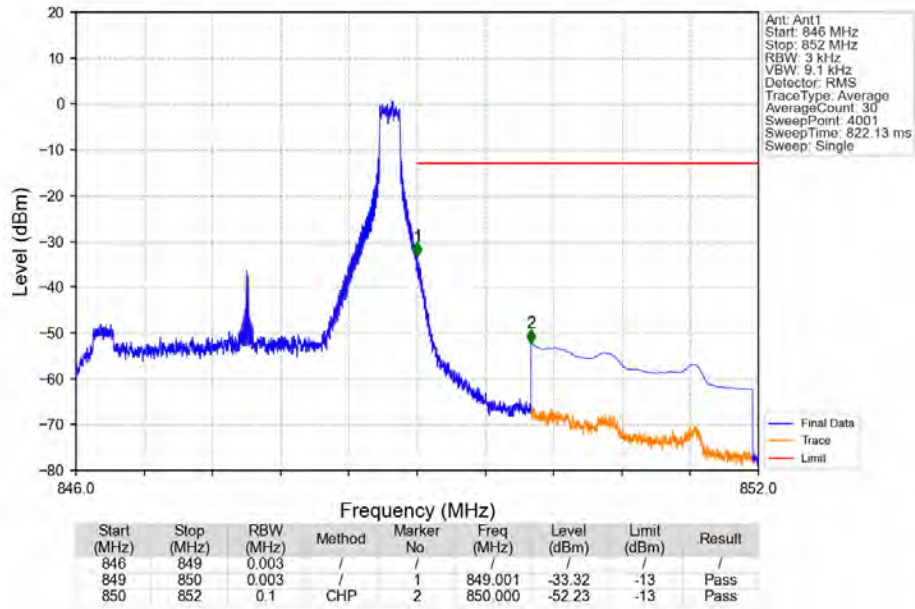
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



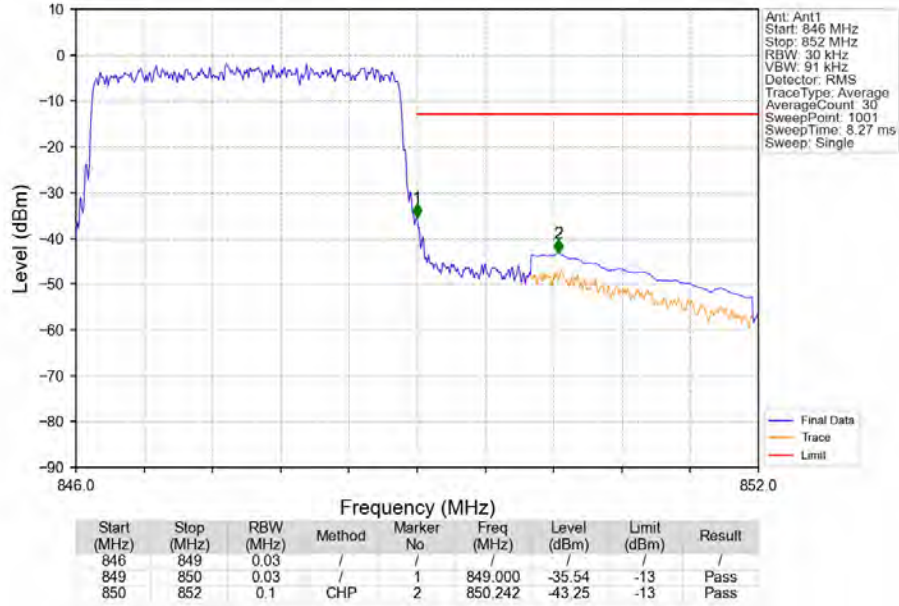
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV

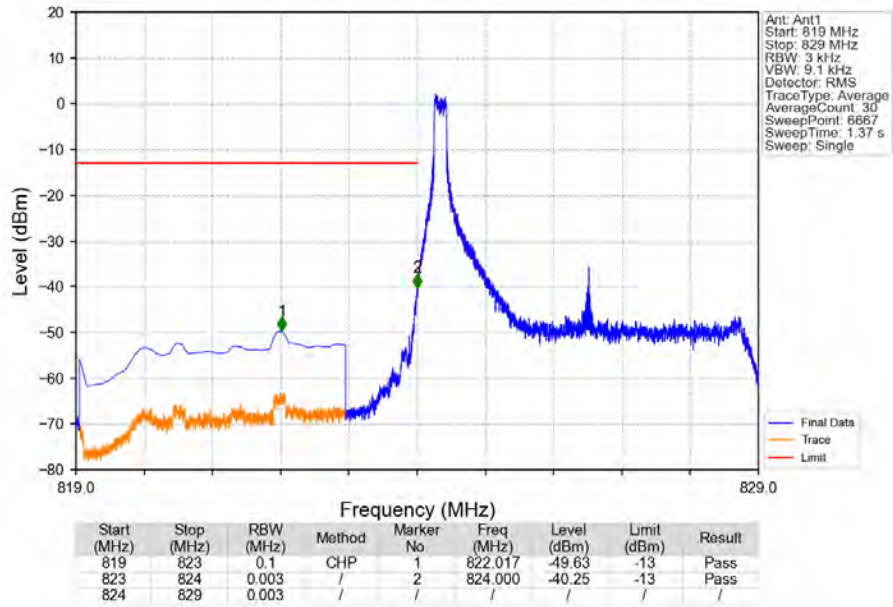


Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

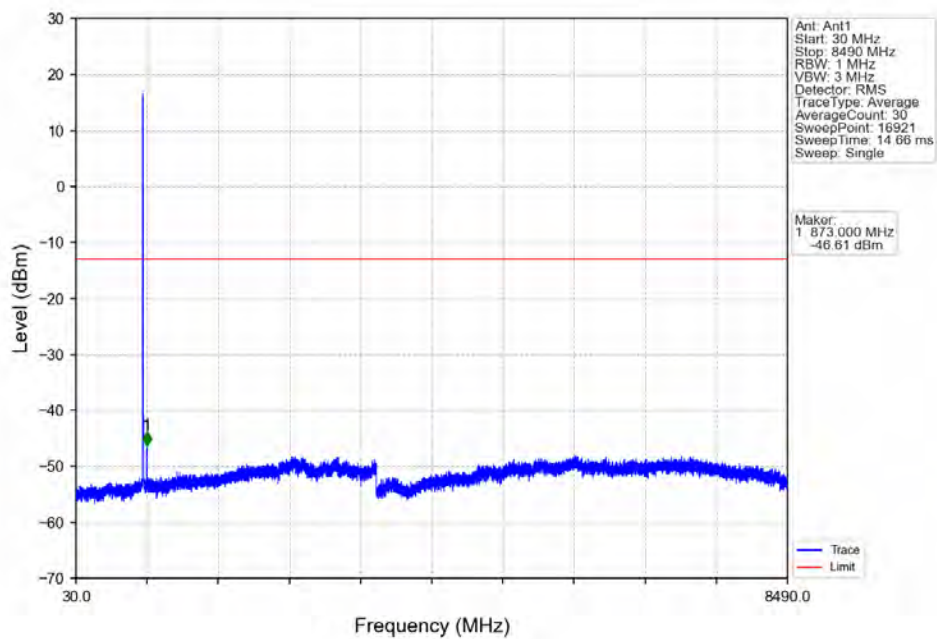


6.2.3 B5_5MHz

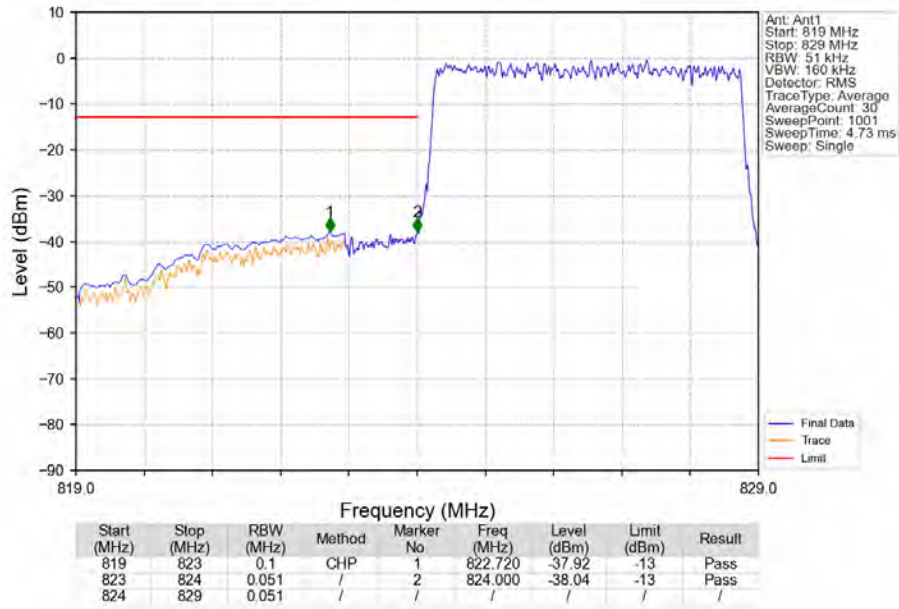
Band5 5MHz QPSK LCH 826.5MHz RB 1 0 NTV



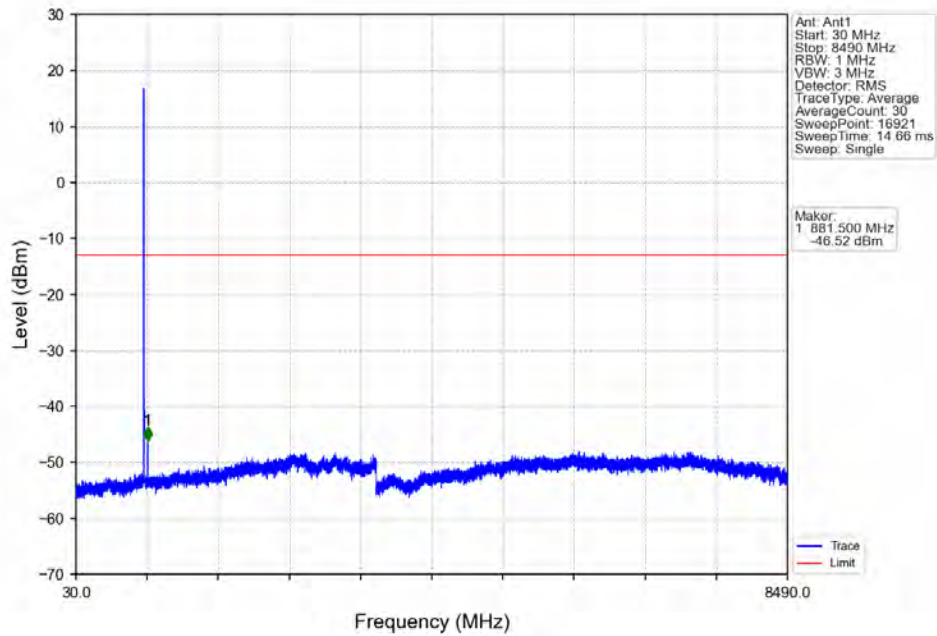
Band5 5MHz QPSK LCH 826.5MHz RB 1 0 NTV



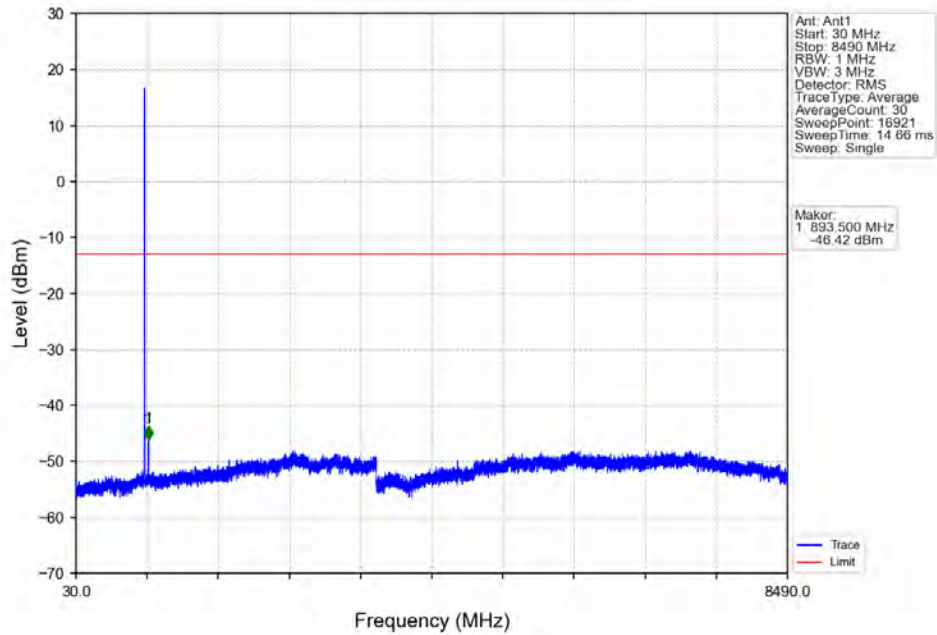
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



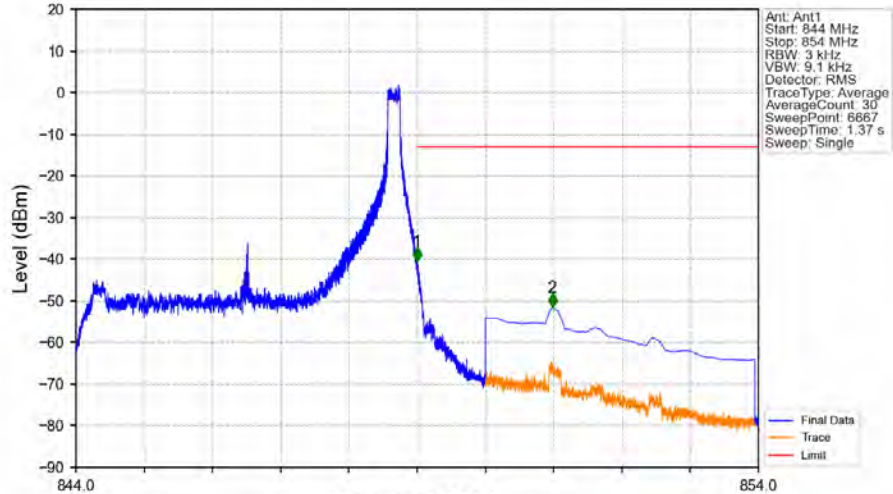
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

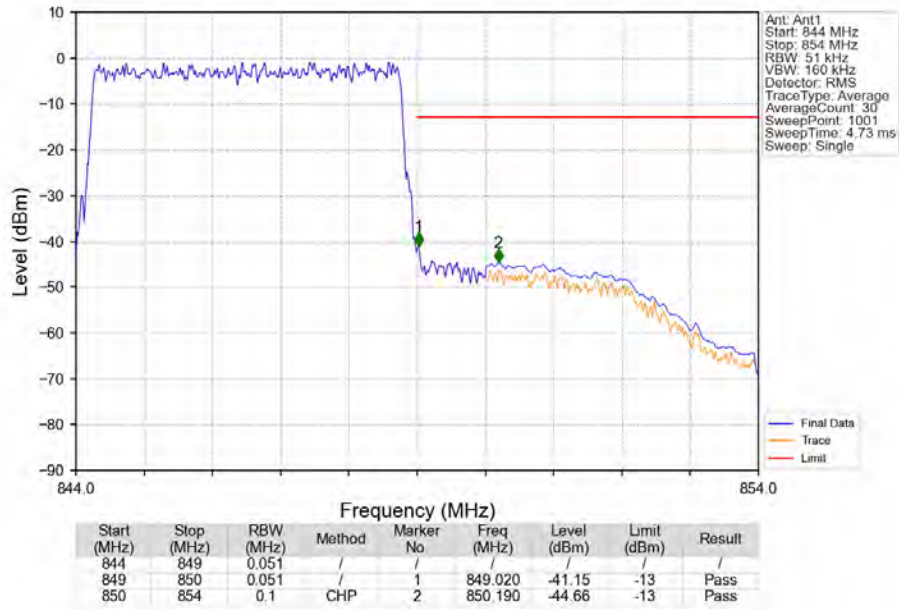


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV

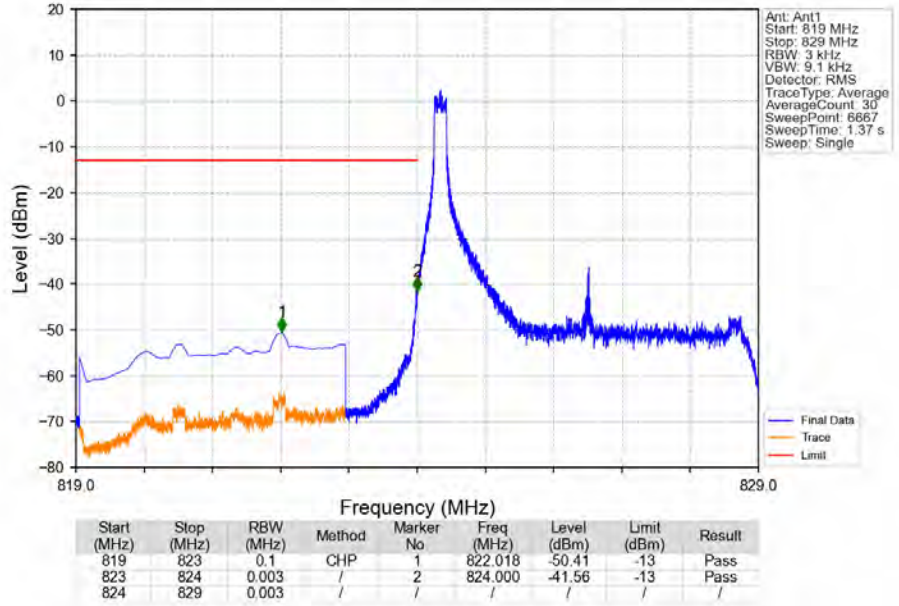


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	1	849.000	-40.53	-13	Pass
849	850	0.003	/	1	849.000	-40.53	-13	Pass
850	854	0.1	CHP	2	850.980	-51.62	-13	Pass

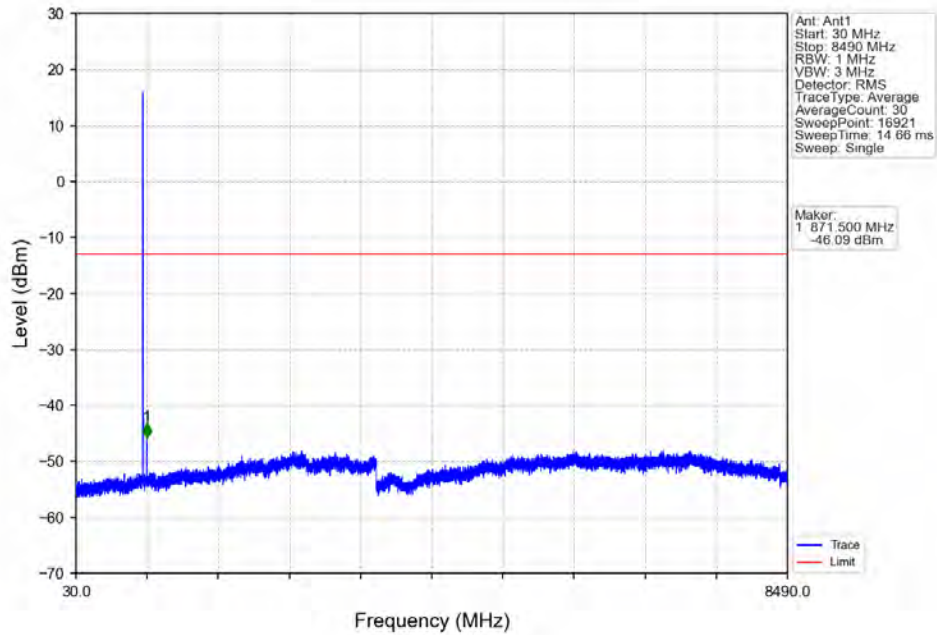
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



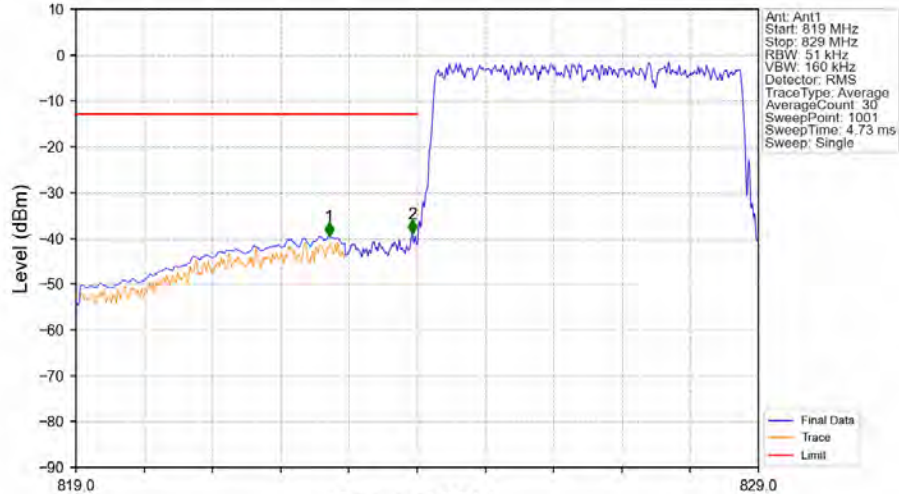
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

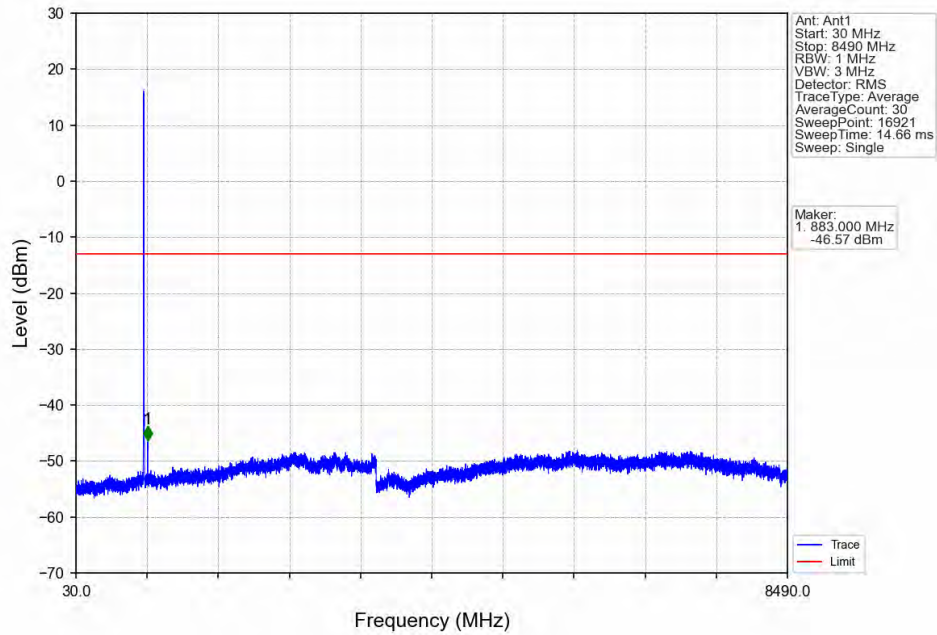


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

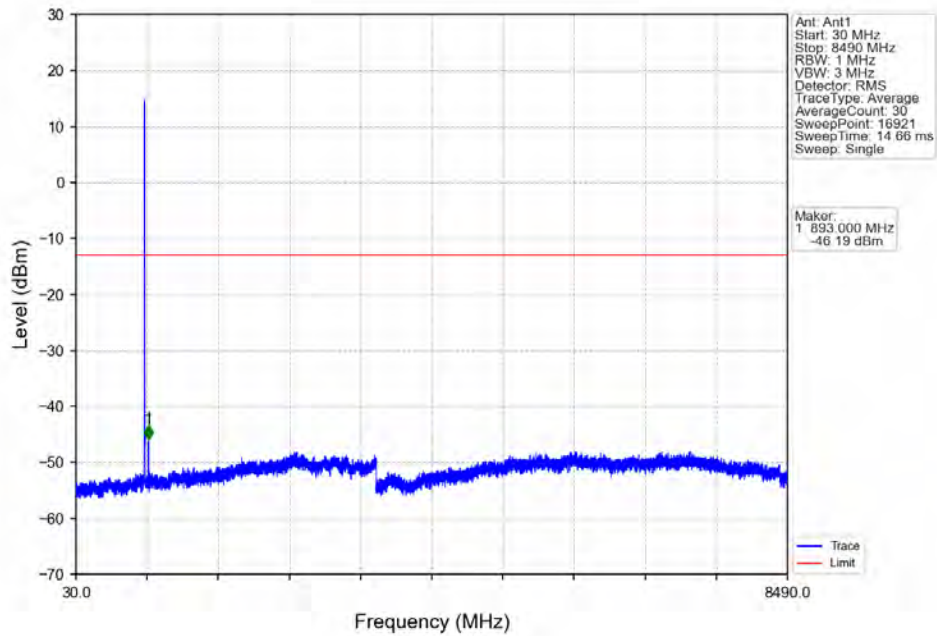


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.710	-39.51	-13	Pass
823	824	0.051	/	2	823.930	-39.02	-13	Pass
824	829	0.051	/	/	/	/	/	/

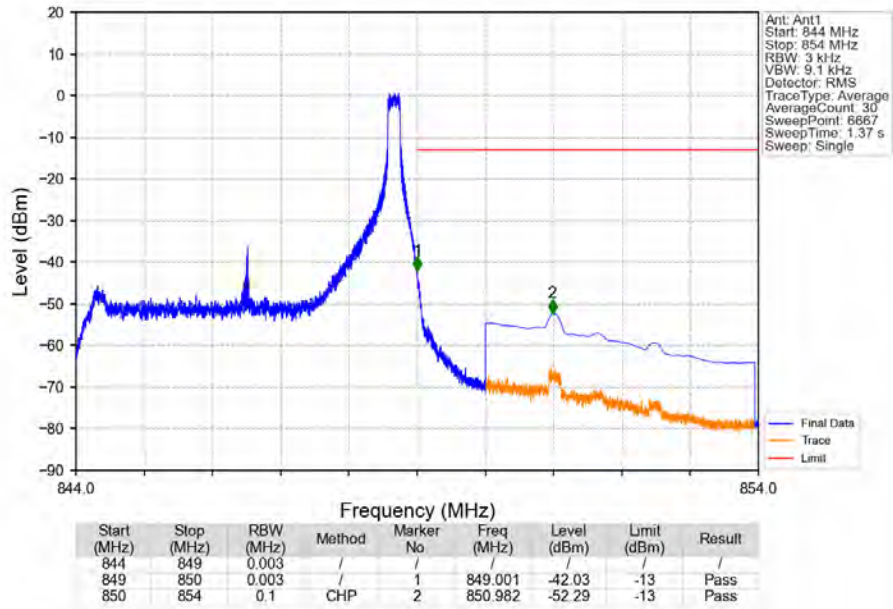
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



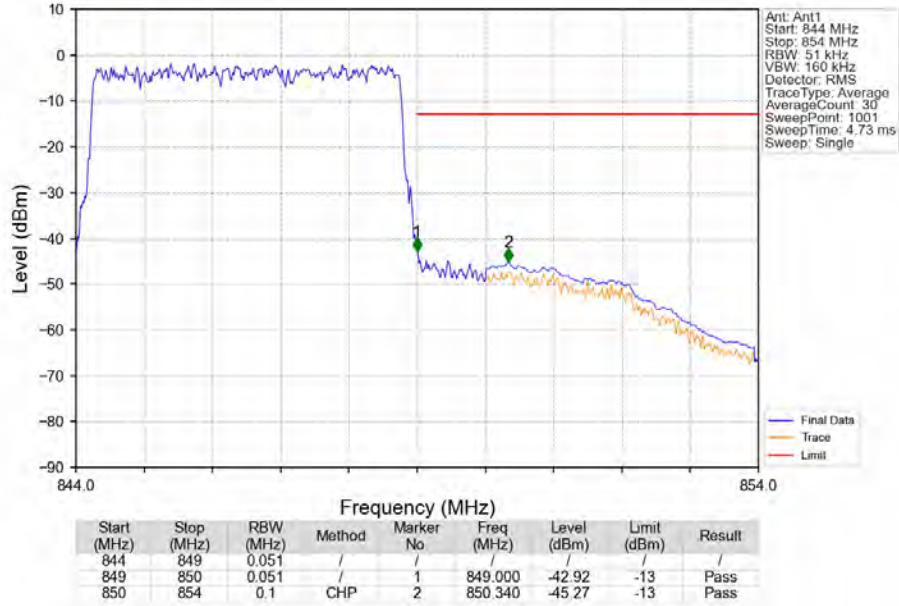
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV

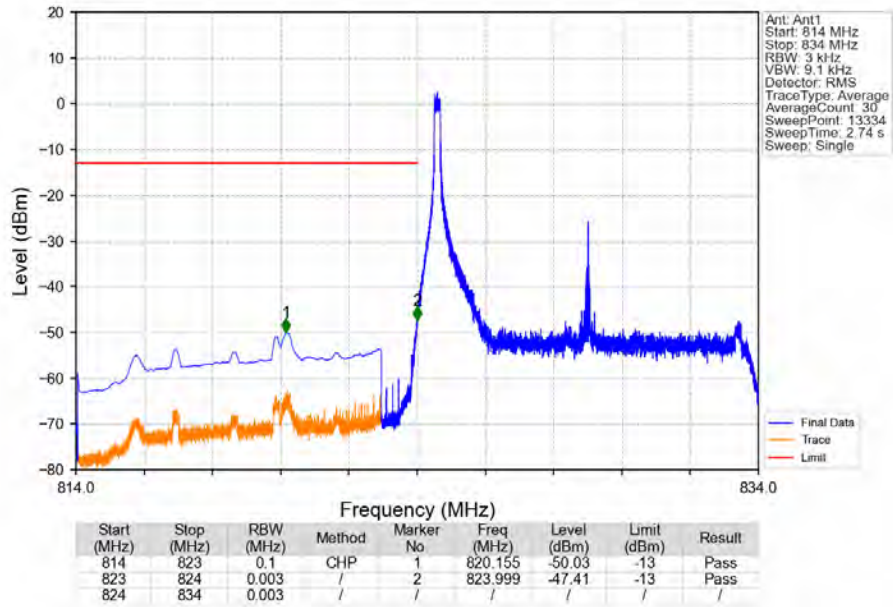


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

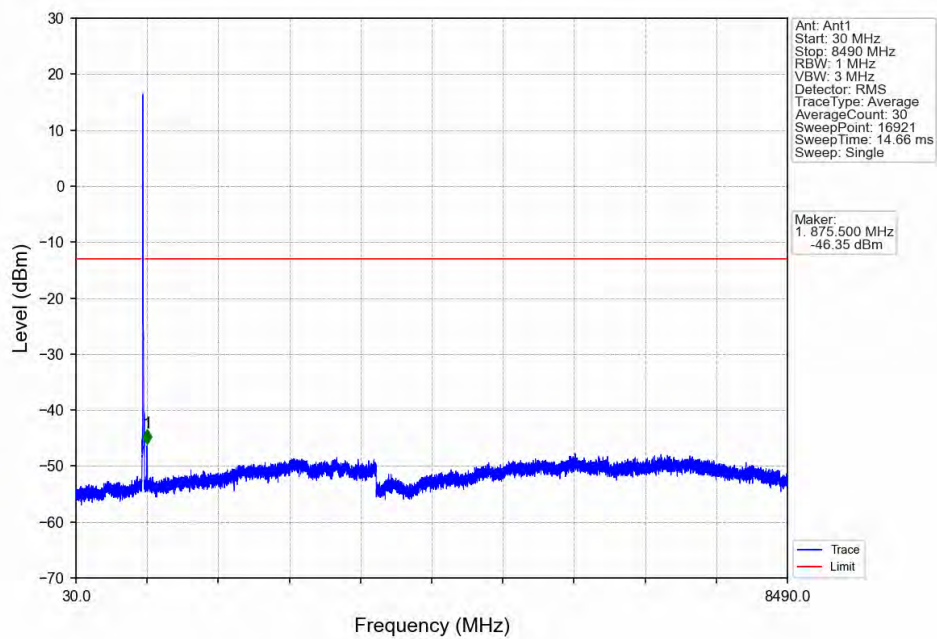


6.2.4 B5_10MHz

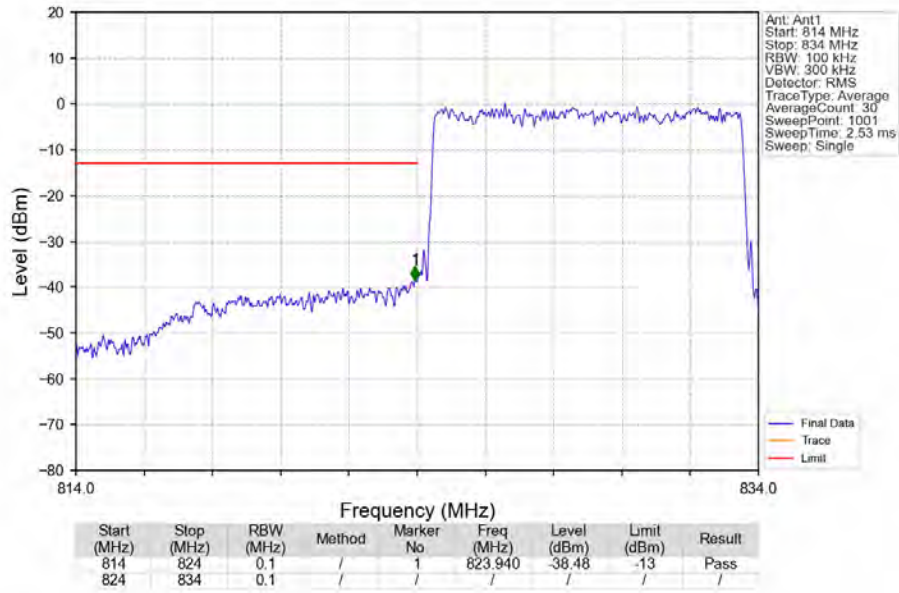
Band5 10MHz QPSK LCH 829MHz RB 1 0 NTNV



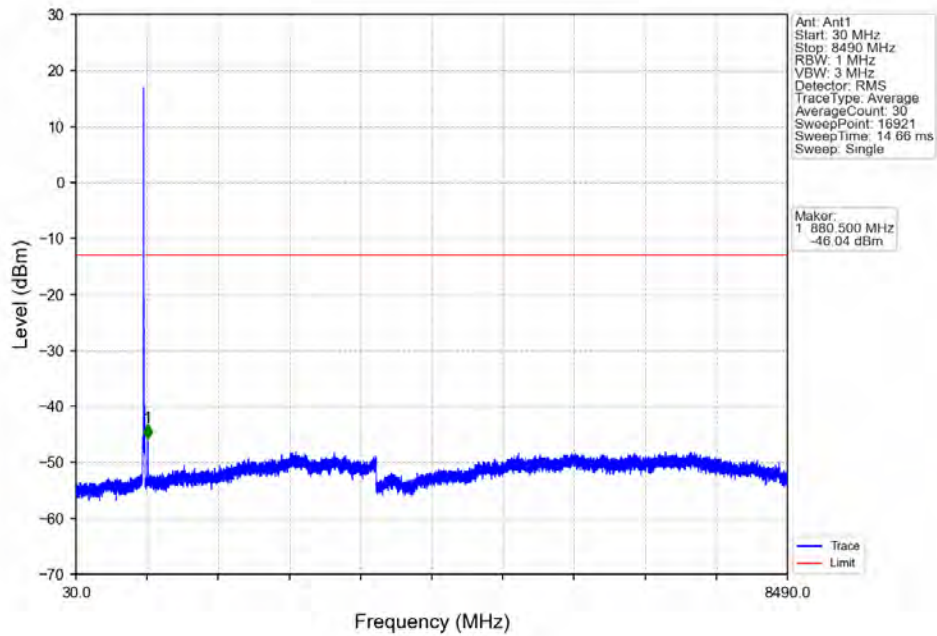
Band5 10MHz QPSK LCH 829MHz RB 1 0 NTNV



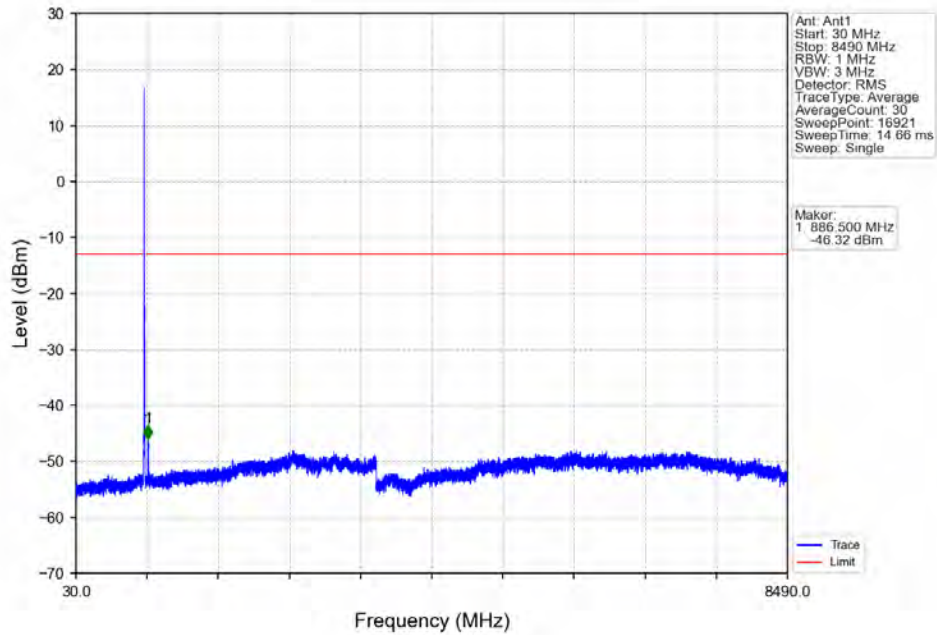
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



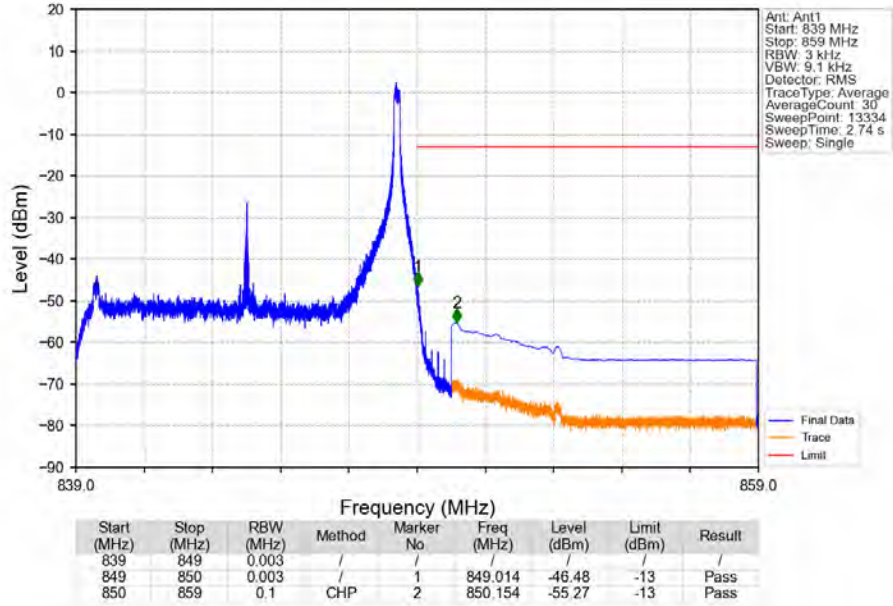
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



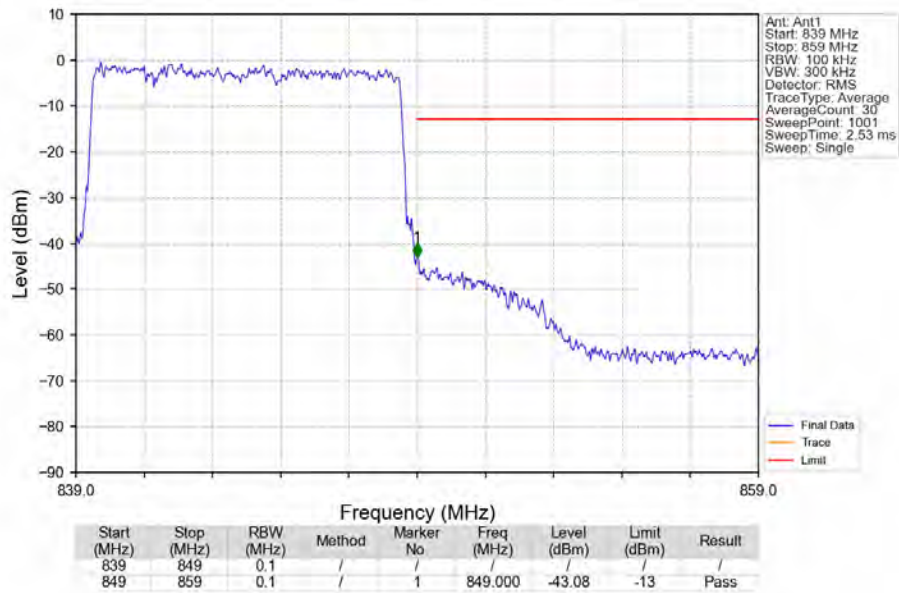
Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



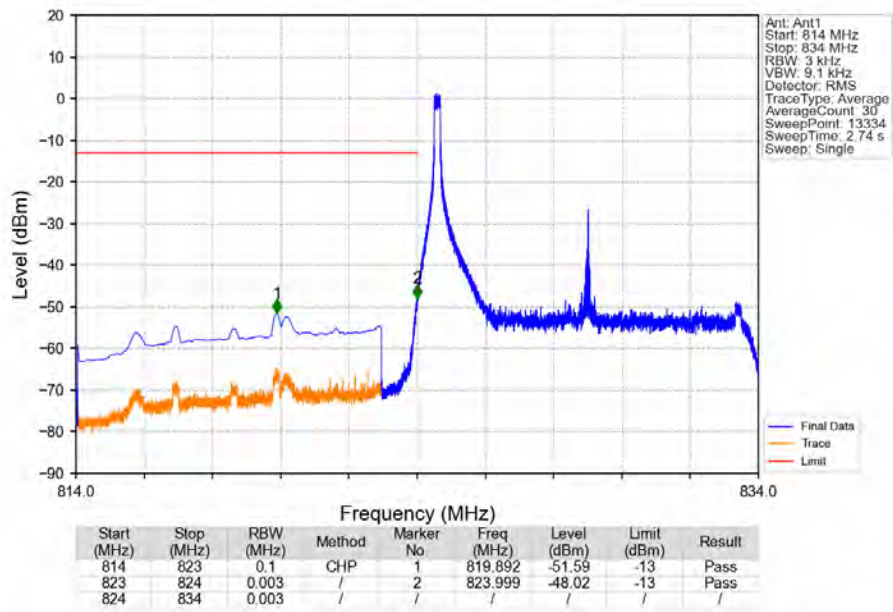
Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



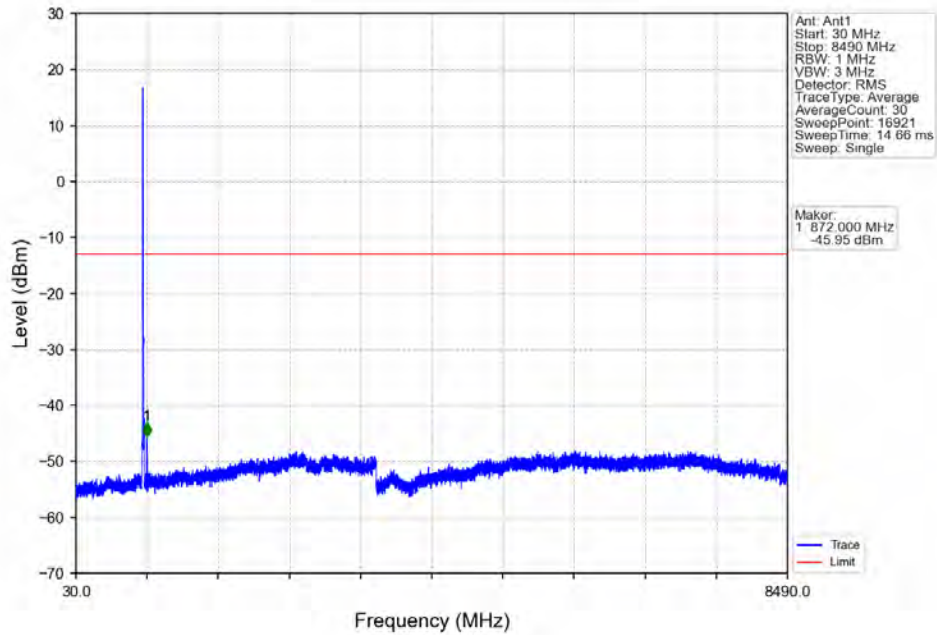
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



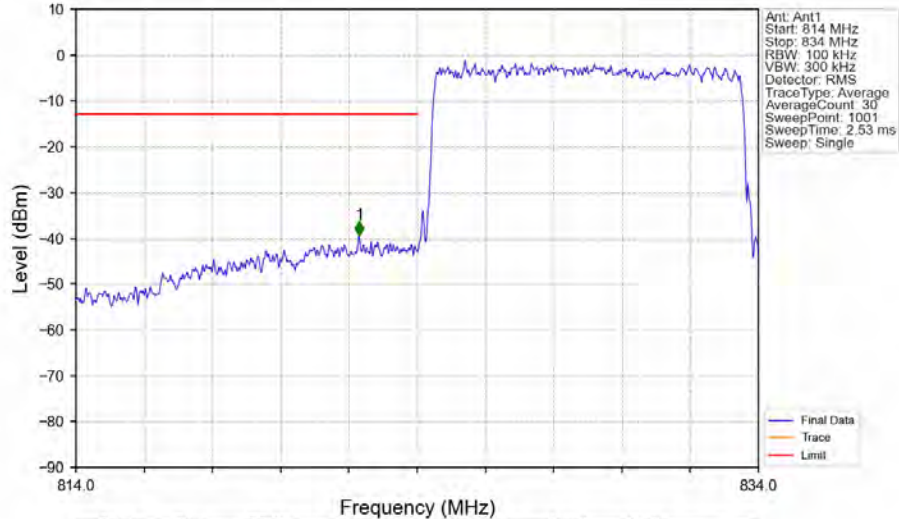
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

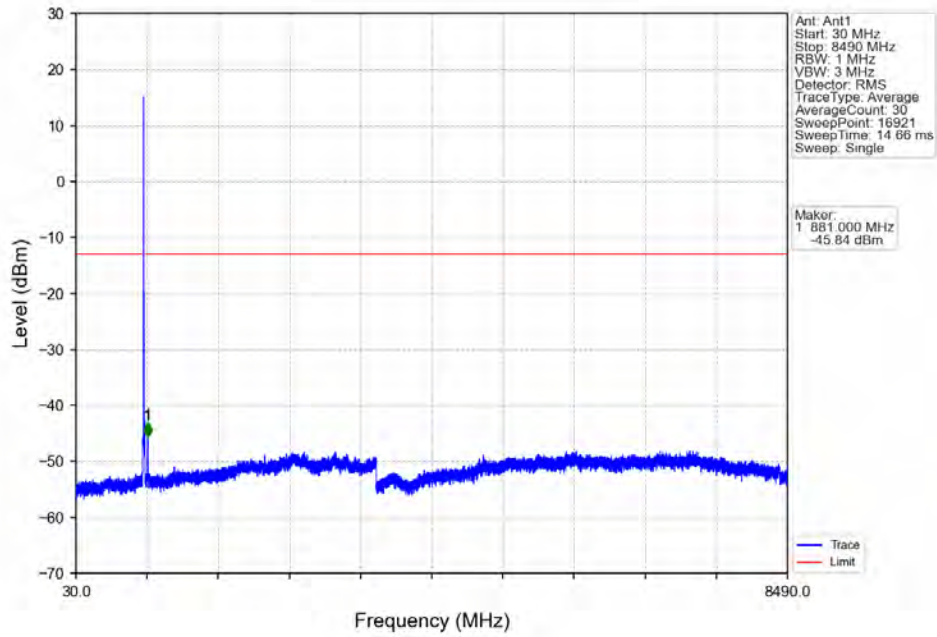


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

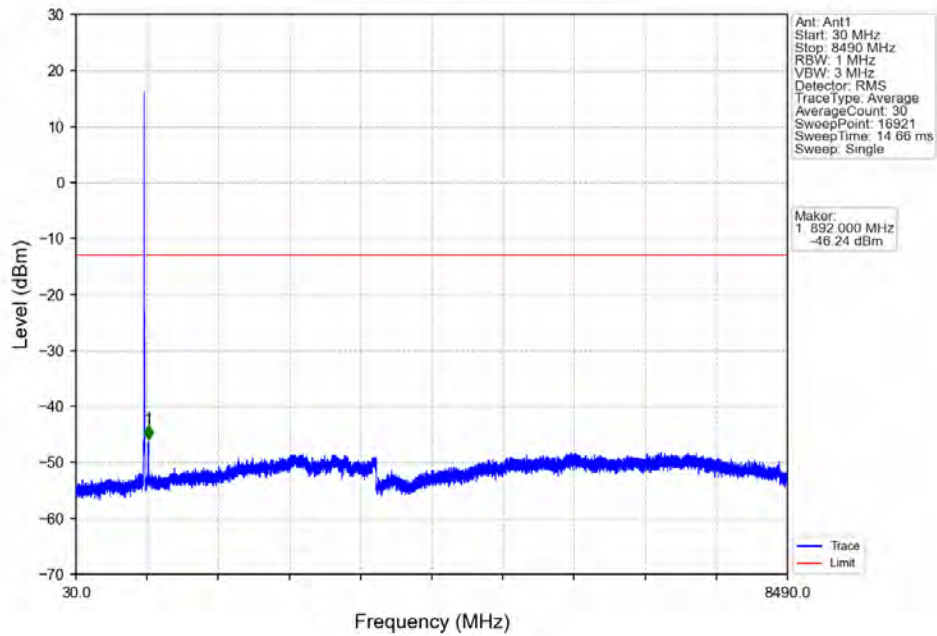


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	822.300	-39.30	-13	Pass
824	834	0.1	/	/	/	/	/	/

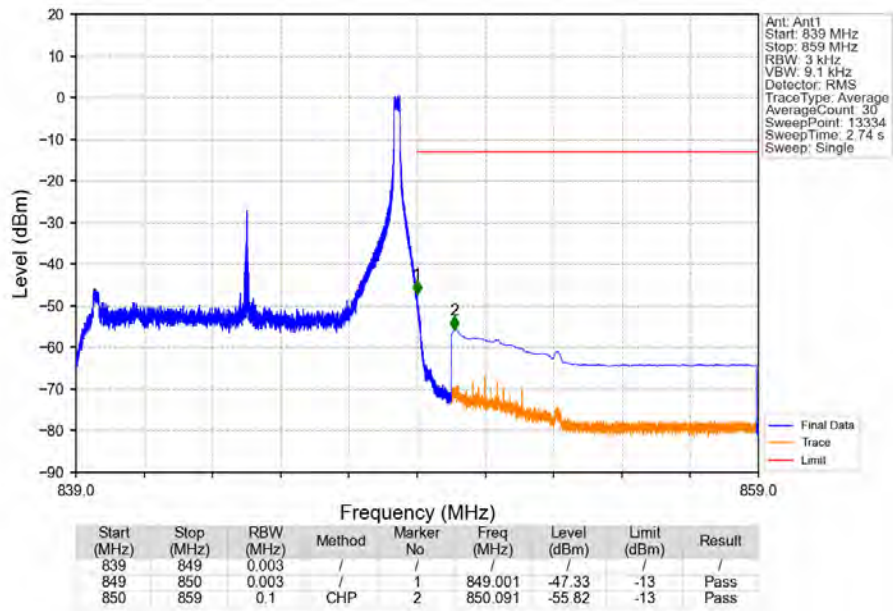
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



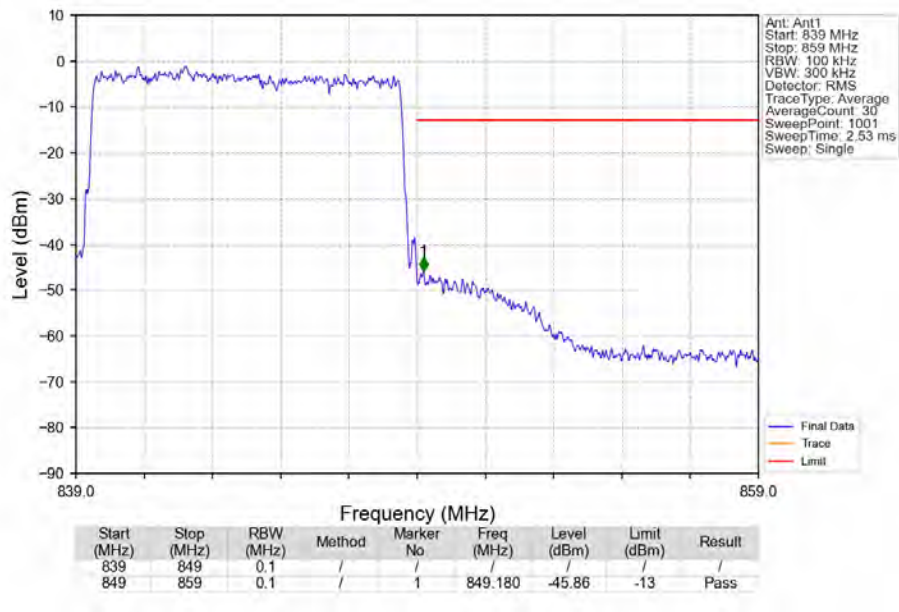
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



Band5 10MHz 16QAM HCH 844MHz RB 1 49 NTNV



Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV



7. Form731

7.1 Test Result

7.1.1 Form731_Power

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	0.2523	0.0146	ppm	1M11G7D	22H	24.02
5	1.4	824.7	848.3	0.1923	0.0129	ppm	1M11W7D	22H	22.84
5	3	825.5	847.5	0.2228	0.0148	ppm	2M73G7D	22H	23.48
5	3	825.5	847.5	0.1858	0.0119	ppm	2M72W7D	22H	22.69
5	5	826.5	846.5	0.2366	0.0112	ppm	4M55G7D	22H	23.74
5	5	826.5	846.5	0.1963	0.0107	ppm	4M57W7D	22H	22.93
5	10	829	844	0.2366	0.0088	ppm	9M06G7D	22H	23.74
5	10	829	844	0.1936	0.0086	ppm	9M07W7D	22H	22.87

7.1.2 Form731_ERP

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	0.1306	0.0146	ppm	1M11G7D	22H	21.16
5	1.4	824.7	848.3	0.0995	0.0129	ppm	1M11W7D	22H	19.98
5	3	825.5	847.5	0.1153	0.0148	ppm	2M73G7D	22H	20.62
5	3	825.5	847.5	0.0962	0.0119	ppm	2M72W7D	22H	19.83
5	5	826.5	846.5	0.1225	0.0112	ppm	4M55G7D	22H	20.88
5	5	826.5	846.5	0.1016	0.0107	ppm	4M57W7D	22H	20.07
5	10	829	844	0.1225	0.0088	ppm	9M06G7D	22H	20.88
5	10	829	844	0.1002	0.0086	ppm	9M07W7D	22H	20.01