

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	21.78	0.42	20.05	<=38.45	Pass		
			2	21.90	0.42	20.17	<=38.45	Pass		
			5	21.80	0.42	20.07	<=38.45	Pass		
		3	0	21.73	0.42	20.00	<=38.45	Pass		
			2	21.82	0.42	20.09	<=38.45	Pass		
			3	21.81	0.42	20.08	<=38.45	Pass		
		6	0	20.83	0.42	19.10	<=38.45	Pass		
		836.5	1	0	21.76	0.42	20.03	<=38.45	Pass	
				2	21.82	0.42	20.09	<=38.45	Pass	
	5			21.74	0.42	20.01	<=38.45	Pass		
	3		0	21.83	0.42	20.10	<=38.45	Pass		
			2	21.86	0.42	20.13	<=38.45	Pass		
			3	21.81	0.42	20.08	<=38.45	Pass		
	6		0	20.85	0.42	19.12	<=38.45	Pass		
	848.3		1	0	21.67	0.42	19.94	<=38.45	Pass	
				2	21.81	0.42	20.08	<=38.45	Pass	
		5		21.72	0.42	19.99	<=38.45	Pass		
		3	0	21.79	0.42	20.06	<=38.45	Pass		
			2	21.82	0.42	20.09	<=38.45	Pass		
			3	21.74	0.42	20.01	<=38.45	Pass		
		6	0	20.83	0.42	19.10	<=38.45	Pass		
		16QAM	824.7	1	0	20.75	0.42	19.02	<=38.45	Pass
					2	20.84	0.42	19.11	<=38.45	Pass
	5				20.83	0.42	19.10	<=38.45	Pass	
3	0			20.89	0.42	19.16	<=38.45	Pass		
	2			20.88	0.42	19.15	<=38.45	Pass		
	3			20.85	0.42	19.12	<=38.45	Pass		
6	0			19.73	0.42	18.00	<=38.45	Pass		
836.5	1			0	20.91	0.42	19.18	<=38.45	Pass	
				2	21.03	0.42	19.30	<=38.45	Pass	
			5	20.91	0.42	19.18	<=38.45	Pass		
	3		0	20.88	0.42	19.15	<=38.45	Pass		
			2	20.91	0.42	19.18	<=38.45	Pass		
			3	20.90	0.42	19.17	<=38.45	Pass		
	6		0	19.87	0.42	18.14	<=38.45	Pass		
	848.3		1	0	20.70	0.42	18.97	<=38.45	Pass	
				2	20.89	0.42	19.16	<=38.45	Pass	
5				20.67	0.42	18.94	<=38.45	Pass		
3			0	21.02	0.42	19.29	<=38.45	Pass		
			2	21.03	0.42	19.30	<=38.45	Pass		
			3	20.99	0.42	19.26	<=38.45	Pass		
6			0	19.80	0.42	18.07	<=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	21.92	0.42	20.19	<=38.45	Pass		
			7	22.09	0.42	20.36	<=38.45	Pass		
			14	21.97	0.42	20.24	<=38.45	Pass		
		8	0	20.92	0.42	19.19	<=38.45	Pass		
			4	20.99	0.42	19.26	<=38.45	Pass		
			7	20.94	0.42	19.21	<=38.45	Pass		
		15	0	20.88	0.42	19.15	<=38.45	Pass		
		836.5	1	0	22.50	0.42	20.77	<=38.45	Pass	
				7	22.64	0.42	20.91	<=38.45	Pass	
	14			22.48	0.42	20.75	<=38.45	Pass		
	8		0	21.50	0.42	19.77	<=38.45	Pass		
			4	21.51	0.42	19.78	<=38.45	Pass		
			7	21.45	0.42	19.72	<=38.45	Pass		
	15		0	21.51	0.42	19.78	<=38.45	Pass		
	847.5		1	0	22.41	0.42	20.68	<=38.45	Pass	
				7	22.52	0.42	20.79	<=38.45	Pass	
		14		22.46	0.42	20.73	<=38.45	Pass		
		8	0	21.46	0.42	19.73	<=38.45	Pass		
			4	21.50	0.42	19.77	<=38.45	Pass		
			7	21.42	0.42	19.69	<=38.45	Pass		
		15	0	21.47	0.42	19.74	<=38.45	Pass		
		16QAM	825.5	1	0	20.94	0.42	19.21	<=38.45	Pass
					7	21.07	0.42	19.34	<=38.45	Pass
	14				20.94	0.42	19.21	<=38.45	Pass	
8	0			19.93	0.42	18.20	<=38.45	Pass		
	4			20.00	0.42	18.27	<=38.45	Pass		
	7			19.94	0.42	18.21	<=38.45	Pass		
15	0			20.54	0.42	18.81	<=38.45	Pass		
836.5	1			0	21.48	0.42	19.75	<=38.45	Pass	
				7	21.67	0.42	19.94	<=38.45	Pass	
			14	21.46	0.42	19.73	<=38.45	Pass		
	8		0	20.51	0.42	18.78	<=38.45	Pass		
			4	20.56	0.42	18.83	<=38.45	Pass		
			7	20.50	0.42	18.77	<=38.45	Pass		
	15		0	20.51	0.42	18.78	<=38.45	Pass		
	847.5		1	0	21.57	0.42	19.84	<=38.45	Pass	
				7	21.72	0.42	19.99	<=38.45	Pass	
14				21.50	0.42	19.77	<=38.45	Pass		
8			0	20.43	0.42	18.70	<=38.45	Pass		
			4	20.45	0.42	18.72	<=38.45	Pass		
			7	20.38	0.42	18.65	<=38.45	Pass		
15			0	20.34	0.42	18.61	<=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	22.26	0.42	20.53	<=38.45	Pass		
			13	22.43	0.42	20.70	<=38.45	Pass		
			24	22.27	0.42	20.54	<=38.45	Pass		
		12	0	21.30	0.42	19.57	<=38.45	Pass		
			6	21.33	0.42	19.60	<=38.45	Pass		
			13	21.09	0.42	19.36	<=38.45	Pass		
		25	0	20.90	0.42	19.17	<=38.45	Pass		
		836.5	1	0	21.72	0.42	19.99	<=38.45	Pass	
				13	21.82	0.42	20.09	<=38.45	Pass	
	24			21.69	0.42	19.96	<=38.45	Pass		
	12		0	20.85	0.42	19.12	<=38.45	Pass		
			6	20.82	0.42	19.09	<=38.45	Pass		
			13	20.73	0.42	19.00	<=38.45	Pass		
	25		0	20.83	0.42	19.10	<=38.45	Pass		
	846.5		1	0	21.67	0.42	19.94	<=38.45	Pass	
				13	21.79	0.42	20.06	<=38.45	Pass	
		24		21.66	0.42	19.93	<=38.45	Pass		
		12	0	20.80	0.42	19.07	<=38.45	Pass		
			6	20.85	0.42	19.12	<=38.45	Pass		
			13	20.64	0.42	18.91	<=38.45	Pass		
		25	0	20.71	0.42	18.98	<=38.45	Pass		
		16QAM	826.5	1	0	20.84	0.42	19.11	<=38.45	Pass
					13	20.97	0.42	19.24	<=38.45	Pass
	24				20.84	0.42	19.11	<=38.45	Pass	
12	0			19.77	0.42	18.04	<=38.45	Pass		
	6			19.85	0.42	18.12	<=38.45	Pass		
	13			19.84	0.42	18.11	<=38.45	Pass		
25	0			19.82	0.42	18.09	<=38.45	Pass		
836.5	1			0	21.02	0.42	19.29	<=38.45	Pass	
				13	21.11	0.42	19.38	<=38.45	Pass	
			24	20.97	0.42	19.24	<=38.45	Pass		
	12		0	19.89	0.42	18.16	<=38.45	Pass		
			6	19.90	0.42	18.17	<=38.45	Pass		
			13	19.78	0.42	18.05	<=38.45	Pass		
	25		0	19.81	0.42	18.08	<=38.45	Pass		
	846.5		1	0	20.48	0.42	18.75	<=38.45	Pass	
				13	20.68	0.42	18.95	<=38.45	Pass	
24				20.55	0.42	18.82	<=38.45	Pass		
12			0	19.85	0.42	18.12	<=38.45	Pass		
			6	19.86	0.42	18.13	<=38.45	Pass		
			13	19.67	0.42	17.94	<=38.45	Pass		
25			0	19.74	0.42	18.01	<=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	21.78	0.42	20.05	<=38.45	Pass
			25	22.05	0.42	20.32	<=38.45	Pass

		25	49	21.78	0.42	20.05	<=38.45	Pass		
			0	20.83	0.42	19.10	<=38.45	Pass		
			13	20.92	0.42	19.19	<=38.45	Pass		
			25	20.85	0.42	19.12	<=38.45	Pass		
		50	0	20.92	0.42	19.19	<=38.45	Pass		
		836.5	1	0	21.71	0.42	19.98	<=38.45	Pass	
				25	21.96	0.42	20.23	<=38.45	Pass	
				49	21.71	0.42	19.98	<=38.45	Pass	
			25	0	20.96	0.42	19.23	<=38.45	Pass	
				13	20.92	0.42	19.19	<=38.45	Pass	
	25			20.76	0.42	19.03	<=38.45	Pass		
	50	0	20.87	0.42	19.14	<=38.45	Pass			
	844	1	0	21.70	0.42	19.97	<=38.45	Pass		
			25	21.91	0.42	20.18	<=38.45	Pass		
			49	21.71	0.42	19.98	<=38.45	Pass		
		25	0	20.73	0.42	19.00	<=38.45	Pass		
			13	20.84	0.42	19.11	<=38.45	Pass		
			25	20.63	0.42	18.90	<=38.45	Pass		
		50	0	20.73	0.42	19.00	<=38.45	Pass		
		16QAM	829	1	0	20.77	0.42	19.04	<=38.45	Pass
					25	21.02	0.42	19.29	<=38.45	Pass
	49				20.81	0.42	19.08	<=38.45	Pass	
	25			0	19.86	0.42	18.13	<=38.45	Pass	
				13	19.96	0.42	18.23	<=38.45	Pass	
				25	19.91	0.42	18.18	<=38.45	Pass	
	50			0	19.89	0.42	18.16	<=38.45	Pass	
	836.5			1	0	20.92	0.42	19.19	<=38.45	Pass
25					21.20	0.42	19.47	<=38.45	Pass	
49					20.84	0.42	19.11	<=38.45	Pass	
25			0	19.99	0.42	18.26	<=38.45	Pass		
			13	19.90	0.42	18.17	<=38.45	Pass		
			25	19.76	0.42	18.03	<=38.45	Pass		
50			0	19.87	0.42	18.14	<=38.45	Pass		
844			1	0	21.19	0.42	19.46	<=38.45	Pass	
				25	21.36	0.42	19.63	<=38.45	Pass	
	49			21.19	0.42	19.46	<=38.45	Pass		
	25		0	19.74	0.42	18.01	<=38.45	Pass		
			13	19.85	0.42	18.12	<=38.45	Pass		
			25	19.69	0.42	17.96	<=38.45	Pass		
	50		0	19.72	0.42	17.99	<=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	5.336	0.0065	-2.5 to 2.5	Pass				
									3.85	-3.262	-0.0040	-2.5 to 2.5	Pass
													4.43

				-30	3.85	-74.945	-0.0909	-2.5 to 2.5	Pass			
				-20	3.85	-28.710	-0.0348	-2.5 to 2.5	Pass			
				-10	3.85	-27.580	-0.0334	-2.5 to 2.5	Pass			
				0	3.85	-23.289	-0.0282	-2.5 to 2.5	Pass			
				10	3.85	-22.130	-0.0268	-2.5 to 2.5	Pass			
				30	3.85	76.461	0.0927	-2.5 to 2.5	Pass			
				40	3.85	25.206	0.0306	-2.5 to 2.5	Pass			
	50	3.85	-7.339	-0.0089	-2.5 to 2.5	Pass						
	836.5	6	0	20	3.27	-6.394	-0.0076	-2.5 to 2.5	Pass			
					3.85	-5.236	-0.0063	-2.5 to 2.5	Pass			
					4.43	-2.689	-0.0032	-2.5 to 2.5	Pass			
				-30	3.85	-6.323	-0.0076	-2.5 to 2.5	Pass			
				-20	3.85	-5.436	-0.0065	-2.5 to 2.5	Pass			
				-10	3.85	-6.967	-0.0083	-2.5 to 2.5	Pass			
				0	3.85	-7.482	-0.0089	-2.5 to 2.5	Pass			
				10	3.85	-10.800	-0.0129	-2.5 to 2.5	Pass			
				30	3.85	-7.224	-0.0086	-2.5 to 2.5	Pass			
				40	3.85	-6.552	-0.0078	-2.5 to 2.5	Pass			
				50	3.85	-10.400	-0.0124	-2.5 to 2.5	Pass			
				848.3	6	0	20	3.27	-6.680	-0.0079	-2.5 to 2.5	Pass
								3.85	-8.554	-0.0101	-2.5 to 2.5	Pass
								4.43	-9.127	-0.0108	-2.5 to 2.5	Pass
	-30	3.85	-6.709				-0.0079	-2.5 to 2.5	Pass			
	-20	3.85	-7.997				-0.0094	-2.5 to 2.5	Pass			
	-10	3.85	-4.263				-0.0050	-2.5 to 2.5	Pass			
	0	3.85	-32.802				-0.0387	-2.5 to 2.5	Pass			
	10	3.85	-10.600				-0.0125	-2.5 to 2.5	Pass			
30	3.85	-12.689	-0.0150				-2.5 to 2.5	Pass				
40	3.85	-12.159	-0.0143				-2.5 to 2.5	Pass				
50	3.85	-12.774	-0.0151				-2.5 to 2.5	Pass				
16QAM	824.7	6	0	20	3.27	-6.008	-0.0073	-2.5 to 2.5	Pass			
					3.85	-6.680	-0.0081	-2.5 to 2.5	Pass			
					4.43	-5.550	-0.0067	-2.5 to 2.5	Pass			
				-30	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass			
				-20	3.85	-7.167	-0.0087	-2.5 to 2.5	Pass			
				-10	3.85	-9.985	-0.0121	-2.5 to 2.5	Pass			
				0	3.85	-6.323	-0.0077	-2.5 to 2.5	Pass			
				10	3.85	-7.339	-0.0089	-2.5 to 2.5	Pass			
				30	3.85	2.160	0.0026	-2.5 to 2.5	Pass			
				40	3.85	-6.609	-0.0080	-2.5 to 2.5	Pass			
				50	3.85	-6.766	-0.0082	-2.5 to 2.5	Pass			
				836.5	6	0	20	3.27	-6.123	-0.0073	-2.5 to 2.5	Pass
								3.85	-2.947	-0.0035	-2.5 to 2.5	Pass
								4.43	-5.035	-0.0060	-2.5 to 2.5	Pass
	-30	3.85	-7.839				-0.0094	-2.5 to 2.5	Pass			
	-20	3.85	-2.432				-0.0029	-2.5 to 2.5	Pass			
	-10	3.85	0.057				0.0001	-2.5 to 2.5	Pass			
	0	3.85	-4.077				-0.0049	-2.5 to 2.5	Pass			
	10	3.85	0.358				0.0004	-2.5 to 2.5	Pass			
	30	3.85	-7.296				-0.0087	-2.5 to 2.5	Pass			
	40	3.85	-5.965				-0.0071	-2.5 to 2.5	Pass			
	50	3.85	3.190				0.0038	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.27	-11.730	-0.0138	-2.5 to 2.5	Pass			
					3.85	-10.872	-0.0128	-2.5 to 2.5	Pass			
					4.43	-9.613	-0.0113	-2.5 to 2.5	Pass			
				-30	3.85	-8.025	-0.0095	-2.5 to 2.5	Pass			
	-20	3.85	-9.727	-0.0115	-2.5 to 2.5	Pass						

				-10	3.85	-2.389	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-10.943	-0.0129	-2.5 to 2.5	Pass
				10	3.85	-9.685	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-8.397	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-6.995	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-12.403	-0.0146	-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	-0.973	-0.0012	-2.5 to 2.5	Pass
					3.85	-5.965	-0.0072	-2.5 to 2.5	Pass
					4.43	-2.561	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-8.712	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-6.380	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-5.307	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-7.868	-0.0095	-2.5 to 2.5	Pass
				40	3.85	-4.091	-0.0050	-2.5 to 2.5	Pass
	50	3.85	-6.466	-0.0078	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	-6.251	-0.0075	-2.5 to 2.5	Pass
					3.85	-4.792	-0.0057	-2.5 to 2.5	Pass
					4.43	-8.025	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-8.483	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-9.141	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-5.093	-0.0061	-2.5 to 2.5	Pass
				0	3.85	62.671	0.0749	-2.5 to 2.5	Pass
				10	3.85	-9.713	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-8.554	-0.0102	-2.5 to 2.5	Pass
				40	3.85	-5.636	-0.0067	-2.5 to 2.5	Pass
	50	3.85	-3.848	-0.0046	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-6.194	-0.0073	-2.5 to 2.5	Pass
					3.85	-2.704	-0.0032	-2.5 to 2.5	Pass
					4.43	-11.215	-0.0132	-2.5 to 2.5	Pass
				-30	3.85	-8.955	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	3.705	0.0044	-2.5 to 2.5	Pass
				-10	3.85	-5.994	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-7.038	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-8.025	-0.0095	-2.5 to 2.5	Pass
30				3.85	-5.050	-0.0060	-2.5 to 2.5	Pass	
40				3.85	-7.110	-0.0084	-2.5 to 2.5	Pass	
50	3.85	-7.639	-0.0090	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.27	-10.557	-0.0128	-2.5 to 2.5	Pass
					3.85	-7.453	-0.0090	-2.5 to 2.5	Pass
					4.43	-0.043	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-10.285	-0.0125	-2.5 to 2.5	Pass
				-20	3.85	-7.596	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-8.368	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-10.257	-0.0124	-2.5 to 2.5	Pass
10	3.85	-4.792	-0.0058	-2.5 to 2.5	Pass				

	836.5	15	0	30	3.85	-9.499	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-3.304	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-5.364	-0.0065	-2.5 to 2.5	Pass
				20	3.27	6.166	0.0074	-2.5 to 2.5	Pass
					3.85	-8.912	-0.0107	-2.5 to 2.5	Pass
					4.43	-5.708	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-4.706	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	-7.882	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-8.726	-0.0104	-2.5 to 2.5	Pass
				0	3.85	-5.779	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-6.394	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-7.825	-0.0094	-2.5 to 2.5	Pass
	40	3.85	-5.722	-0.0068	-2.5 to 2.5	Pass			
	50	3.85	-7.052	-0.0084	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-10.700	-0.0126	-2.5 to 2.5	Pass
					3.85	-7.725	-0.0091	-2.5 to 2.5	Pass
					4.43	-3.619	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-9.012	-0.0106	-2.5 to 2.5	Pass
				-10	3.85	-6.151	-0.0073	-2.5 to 2.5	Pass
				0	3.85	-7.281	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-5.579	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-6.180	-0.0073	-2.5 to 2.5	Pass
				40	3.85	-7.181	-0.0085	-2.5 to 2.5	Pass
50				3.85	-10.028	-0.0118	-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	-2.446	-0.0030	-2.5 to 2.5	Pass
					3.85	-7.911	-0.0096	-2.5 to 2.5	Pass
					4.43	-4.950	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-6.666	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-8.054	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-5.322	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-4.807	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-7.052	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-5.193	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-7.796	-0.0094	-2.5 to 2.5	Pass
				50	3.85	-8.626	-0.0104	-2.5 to 2.5	Pass
				836.5	25	0	20	3.27	-10.400
	3.85	-1.917	-0.0023					-2.5 to 2.5	Pass
	4.43	-3.934	-0.0047					-2.5 to 2.5	Pass
	-30	3.85	-3.262				-0.0039	-2.5 to 2.5	Pass
	-20	3.85	-4.792				-0.0057	-2.5 to 2.5	Pass
	-10	3.85	-6.137				-0.0073	-2.5 to 2.5	Pass
	0	3.85	-3.276				-0.0039	-2.5 to 2.5	Pass
	10	3.85	-8.297				-0.0099	-2.5 to 2.5	Pass
	30	3.85	-11.430				-0.0137	-2.5 to 2.5	Pass
	40	3.85	-3.347				-0.0040	-2.5 to 2.5	Pass
	50	3.85	-6.866				-0.0082	-2.5 to 2.5	Pass

	846.5	25	0	20	3.27	-6.938	-0.0082	-2.5 to 2.5	Pass
					3.85	-8.354	-0.0099	-2.5 to 2.5	Pass
					4.43	-4.821	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-5.035	-0.0059	-2.5 to 2.5	Pass
					-20	3.85	-2.975	-0.0035	-2.5 to 2.5
				-10	3.85	-6.309	-0.0075	-2.5 to 2.5	Pass
					0	3.85	-3.705	-0.0044	-2.5 to 2.5
				10	3.85	-9.456	-0.0112	-2.5 to 2.5	Pass
					30	3.85	-9.227	-0.0109	-2.5 to 2.5
				40	3.85	-3.119	-0.0037	-2.5 to 2.5	Pass
50	3.85	-0.887	-0.0010		-2.5 to 2.5	Pass			
16QAM	826.5	25	0	20	3.27	-5.937	-0.0072	-2.5 to 2.5	Pass
					3.85	-5.007	-0.0061	-2.5 to 2.5	Pass
					4.43	-5.736	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-10.386	-0.0126	-2.5 to 2.5	Pass
					-20	3.85	-8.512	-0.0103	-2.5 to 2.5
				-10	3.85	-6.223	-0.0075	-2.5 to 2.5	Pass
					0	3.85	-9.398	-0.0114	-2.5 to 2.5
				10	3.85	-7.625	-0.0092	-2.5 to 2.5	Pass
					30	3.85	-8.583	-0.0104	-2.5 to 2.5
	40	3.85	-4.821	-0.0058	-2.5 to 2.5	Pass			
		50	3.85	-4.950	-0.0060	-2.5 to 2.5	Pass		
	836.5	25	0	20	3.27	-6.938	-0.0083	-2.5 to 2.5	Pass
					3.85	-5.322	-0.0064	-2.5 to 2.5	Pass
					4.43	-3.104	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-3.662	-0.0044	-2.5 to 2.5	Pass
					-20	3.85	-0.801	-0.0010	-2.5 to 2.5
				-10	3.85	-7.739	-0.0093	-2.5 to 2.5	Pass
					0	3.85	-7.553	-0.0090	-2.5 to 2.5
10				3.85	-4.449	-0.0053	-2.5 to 2.5	Pass	
				30	3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
40	3.85	-8.326	-0.0100	-2.5 to 2.5	Pass				
	50	3.85	-1.988	-0.0024	-2.5 to 2.5	Pass			
846.5	25	0	20	3.27	-5.479	-0.0065	-2.5 to 2.5	Pass	
				3.85	-6.695	-0.0079	-2.5 to 2.5	Pass	
				4.43	-0.701	-0.0008	-2.5 to 2.5	Pass	
			-30	3.85	-4.249	-0.0050	-2.5 to 2.5	Pass	
				-20	3.85	-7.982	-0.0094	-2.5 to 2.5	Pass
			-10	3.85	-7.925	-0.0094	-2.5 to 2.5	Pass	
				0	3.85	-5.121	-0.0060	-2.5 to 2.5	Pass
			10	3.85	-9.198	-0.0109	-2.5 to 2.5	Pass	
				30	3.85	-2.089	-0.0025	-2.5 to 2.5	Pass
40	3.85	-6.323	-0.0075	-2.5 to 2.5	Pass				
	50	3.85	-4.063	-0.0048	-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	-6.680	-0.0081	-2.5 to 2.5	Pass
					3.85	-6.266	-0.0076	-2.5 to 2.5	Pass
					4.43	-5.007	-0.0060	-2.5 to 2.5	Pass

				-30	3.85	-3.748	-0.0045	-2.5 to 2.5	Pass	
				-20	3.85	-4.535	-0.0055	-2.5 to 2.5	Pass	
				-10	3.85	-7.381	-0.0089	-2.5 to 2.5	Pass	
				0	3.85	-6.838	-0.0082	-2.5 to 2.5	Pass	
				10	3.85	-7.696	-0.0093	-2.5 to 2.5	Pass	
				30	3.85	-9.713	-0.0117	-2.5 to 2.5	Pass	
				40	3.85	-8.969	-0.0108	-2.5 to 2.5	Pass	
	50	3.85	-9.770	-0.0118	-2.5 to 2.5	Pass				
	836.5	50	0	20	3.27	-2.933	-0.0035	-2.5 to 2.5	Pass	
					3.85	-4.792	-0.0057	-2.5 to 2.5	Pass	
					4.43	-2.575	-0.0031	-2.5 to 2.5	Pass	
				-30	3.85	-4.835	-0.0058	-2.5 to 2.5	Pass	
				-20	3.85	-5.922	-0.0071	-2.5 to 2.5	Pass	
				-10	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass	
				0	3.85	-7.796	-0.0093	-2.5 to 2.5	Pass	
		10	3.85	-9.370	-0.0112	-2.5 to 2.5	Pass			
		30	3.85	1.316	0.0016	-2.5 to 2.5	Pass			
		40	3.85	-3.991	-0.0048	-2.5 to 2.5	Pass			
		50	3.85	-3.591	-0.0043	-2.5 to 2.5	Pass			
		844	50	0	20	3.27	-8.211	-0.0097	-2.5 to 2.5	Pass
						3.85	-6.738	-0.0080	-2.5 to 2.5	Pass
						4.43	-6.423	-0.0076	-2.5 to 2.5	Pass
	-30				3.85	-8.240	-0.0098	-2.5 to 2.5	Pass	
	-20				3.85	-5.579	-0.0066	-2.5 to 2.5	Pass	
	-10				3.85	-6.466	-0.0077	-2.5 to 2.5	Pass	
	0				3.85	-3.748	-0.0044	-2.5 to 2.5	Pass	
	10	3.85	-6.738	-0.0080	-2.5 to 2.5	Pass				
30	3.85	-3.734	-0.0044	-2.5 to 2.5	Pass					
40	3.85	-7.253	-0.0086	-2.5 to 2.5	Pass					
50	3.85	-1.287	-0.0015	-2.5 to 2.5	Pass					
16QAM	829	50	0	20	3.27	-4.520	-0.0055	-2.5 to 2.5	Pass	
					3.85	-8.712	-0.0105	-2.5 to 2.5	Pass	
					4.43	-6.051	-0.0073	-2.5 to 2.5	Pass	
				-30	3.85	-5.922	-0.0071	-2.5 to 2.5	Pass	
				-20	3.85	-4.249	-0.0051	-2.5 to 2.5	Pass	
				-10	3.85	-9.499	-0.0115	-2.5 to 2.5	Pass	
				0	3.85	-5.751	-0.0069	-2.5 to 2.5	Pass	
		10	3.85	-8.054	-0.0097	-2.5 to 2.5	Pass			
		30	3.85	-6.824	-0.0082	-2.5 to 2.5	Pass			
		40	3.85	-7.153	-0.0086	-2.5 to 2.5	Pass			
		50	3.85	-8.841	-0.0107	-2.5 to 2.5	Pass			
		836.5	50	0	20	3.27	-6.638	-0.0079	-2.5 to 2.5	Pass
						3.85	-5.980	-0.0071	-2.5 to 2.5	Pass
						4.43	-5.221	-0.0062	-2.5 to 2.5	Pass
	-30				3.85	-6.280	-0.0075	-2.5 to 2.5	Pass	
	-20				3.85	-4.420	-0.0053	-2.5 to 2.5	Pass	
	-10				3.85	-2.346	-0.0028	-2.5 to 2.5	Pass	
	0				3.85	-6.037	-0.0072	-2.5 to 2.5	Pass	
	10	3.85	-7.410	-0.0089	-2.5 to 2.5	Pass				
	30	3.85	-7.982	-0.0095	-2.5 to 2.5	Pass				
	40	3.85	-8.283	-0.0099	-2.5 to 2.5	Pass				
	50	3.85	-4.306	-0.0051	-2.5 to 2.5	Pass				
	844	50	0	20	3.27	-7.110	-0.0084	-2.5 to 2.5	Pass	
					3.85	-7.854	-0.0093	-2.5 to 2.5	Pass	
					4.43	-4.048	-0.0048	-2.5 to 2.5	Pass	
				-30	3.85	-8.168	-0.0097	-2.5 to 2.5	Pass	
				-20	3.85	-4.950	-0.0059	-2.5 to 2.5	Pass	

				-10	3.85	-4.992	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-6.151	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-4.864	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-5.493	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-6.523	-0.0077	-2.5 to 2.5	Pass
				50	3.85	-8.526	-0.0101	-2.5 to 2.5	Pass

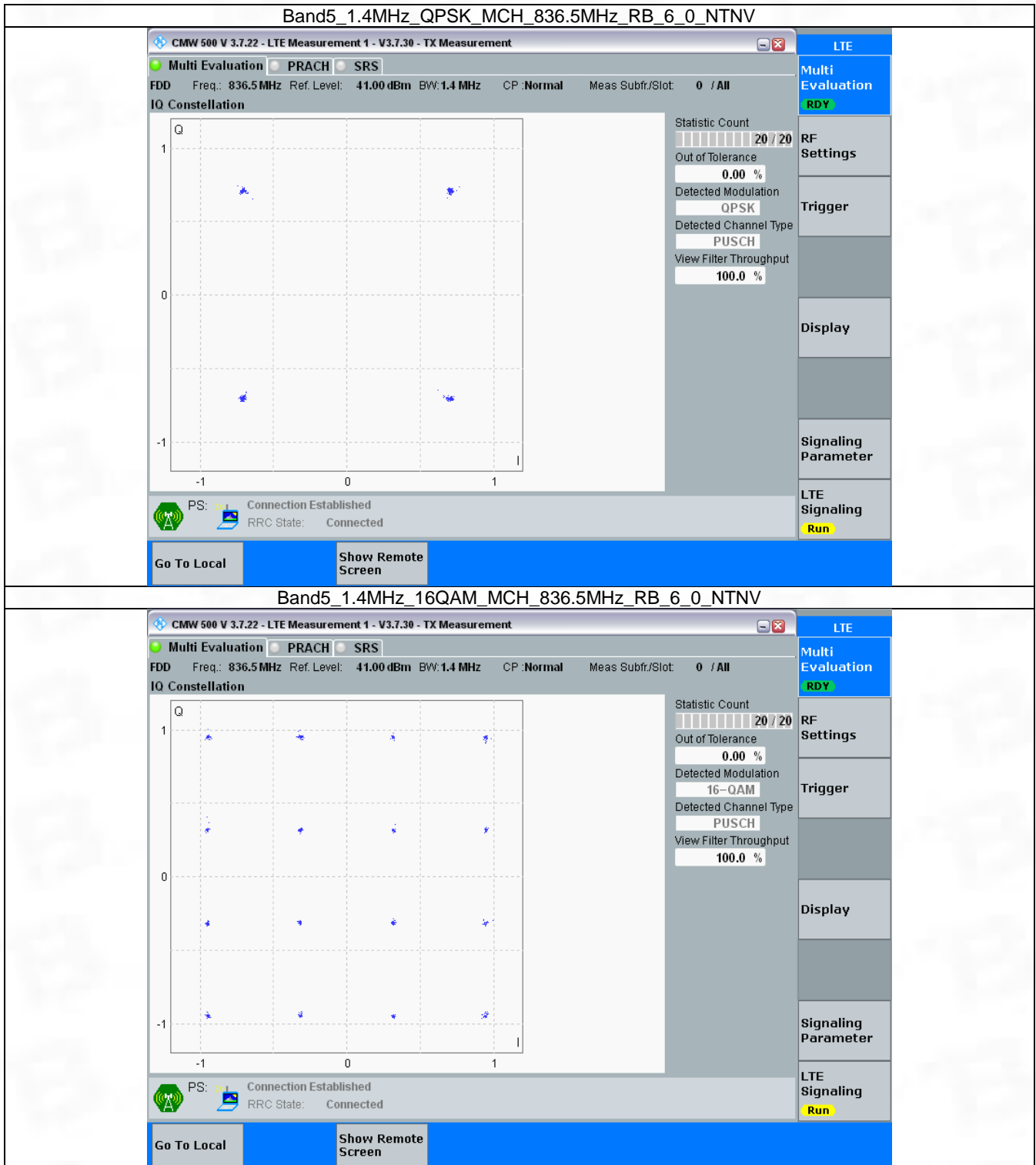
3. Modulation Characteristics

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

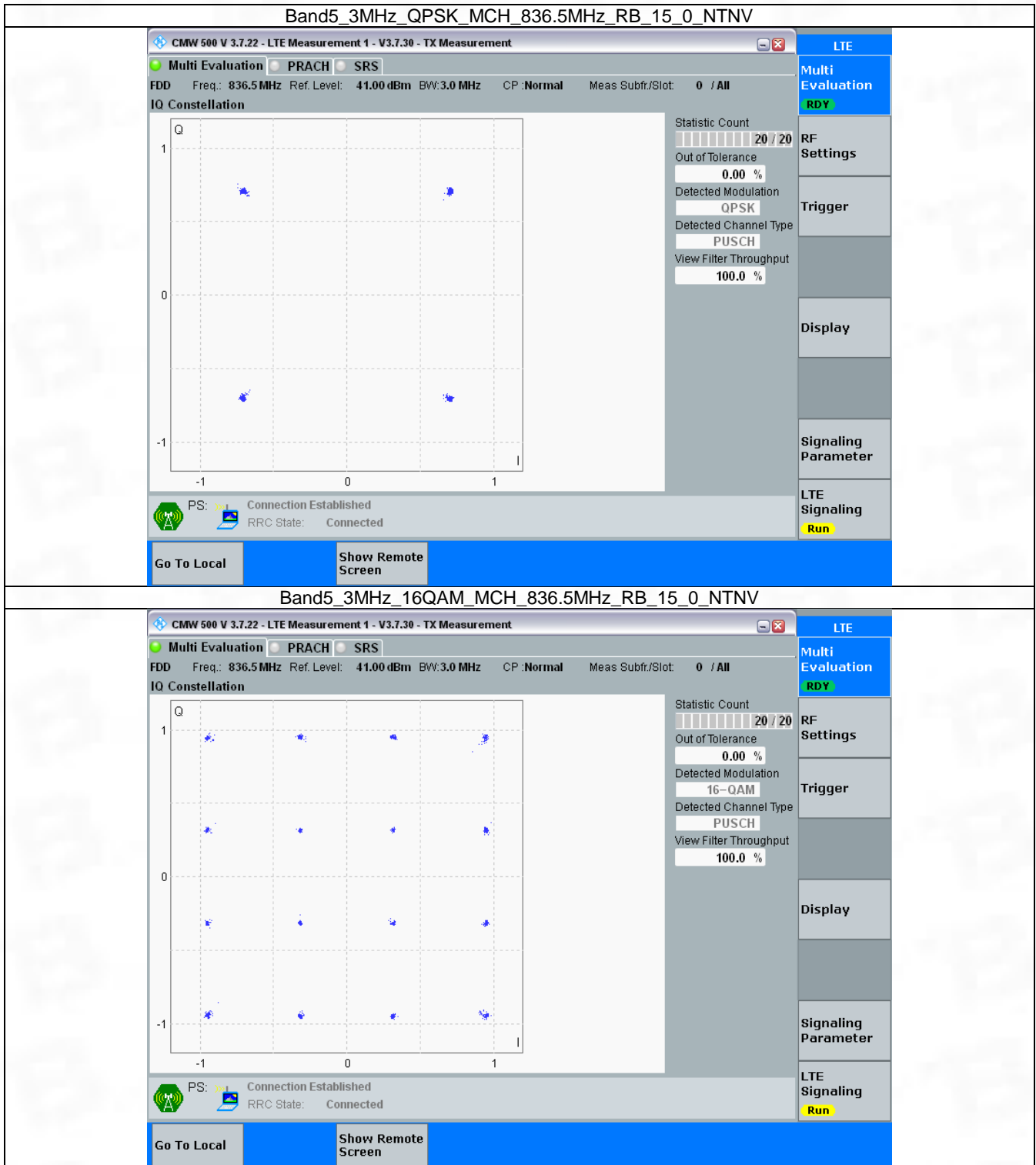


3.2 B5_3MHz

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

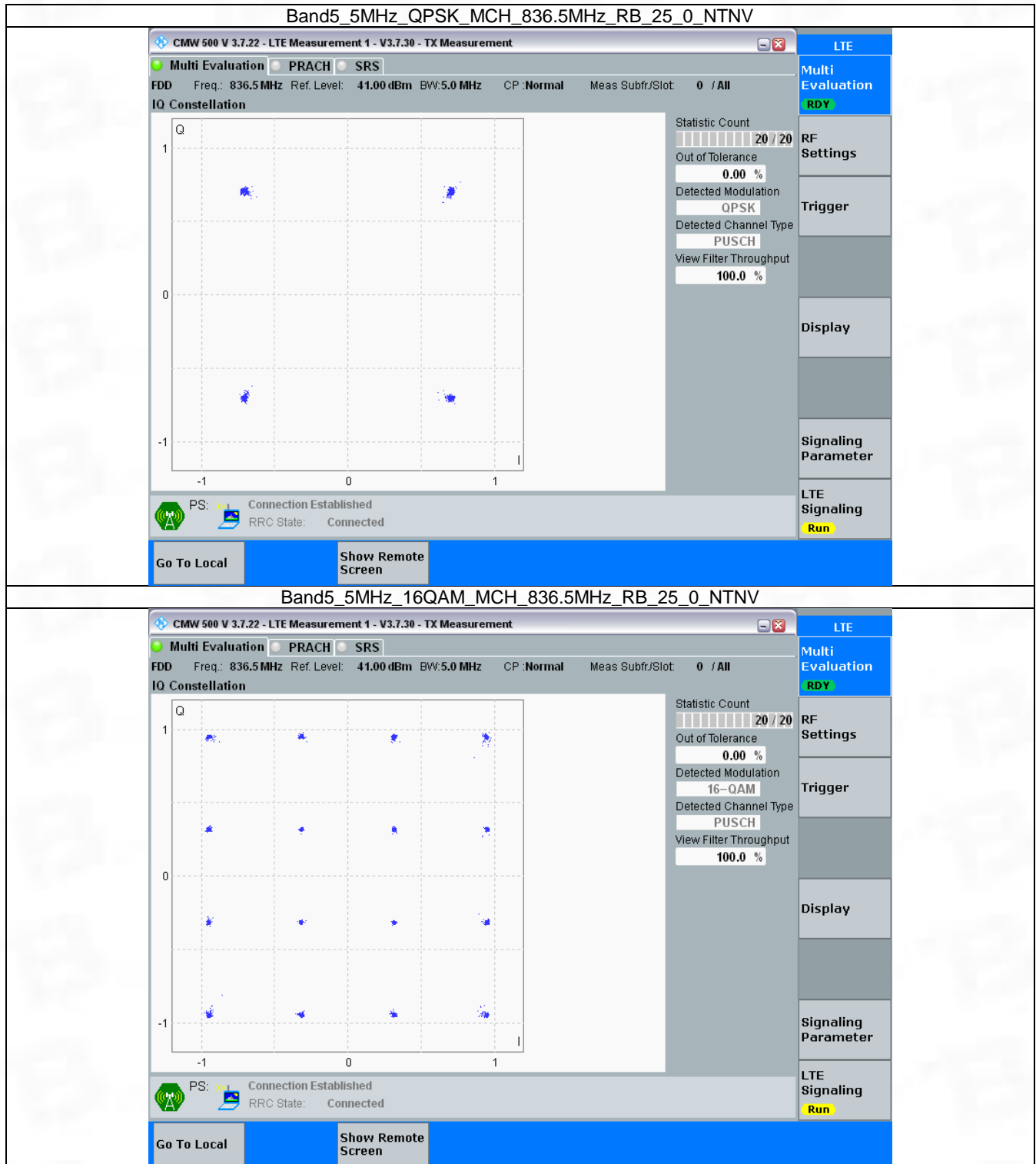


3.3 B5_5MHz

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

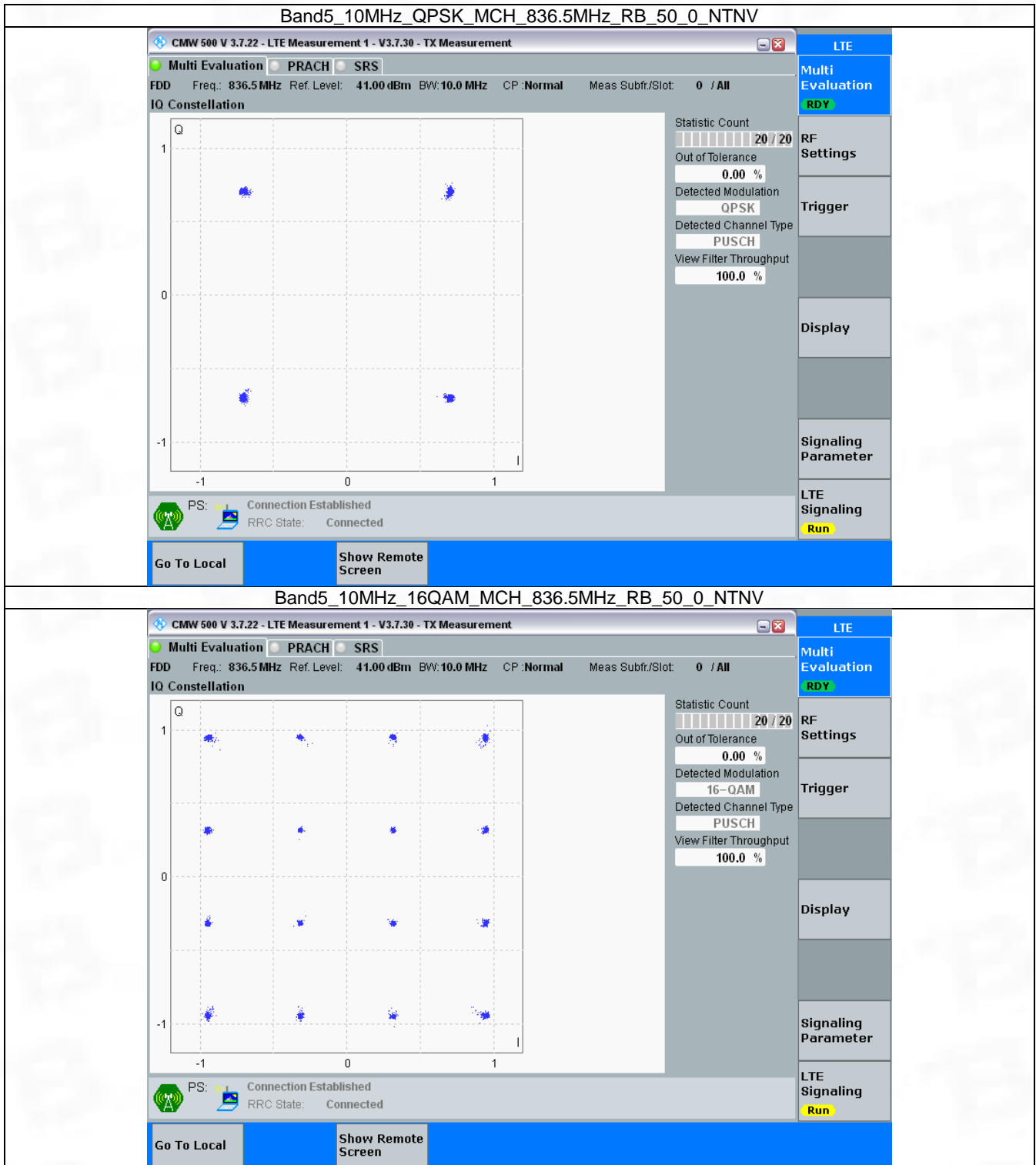


3.4 B5_10MHz

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



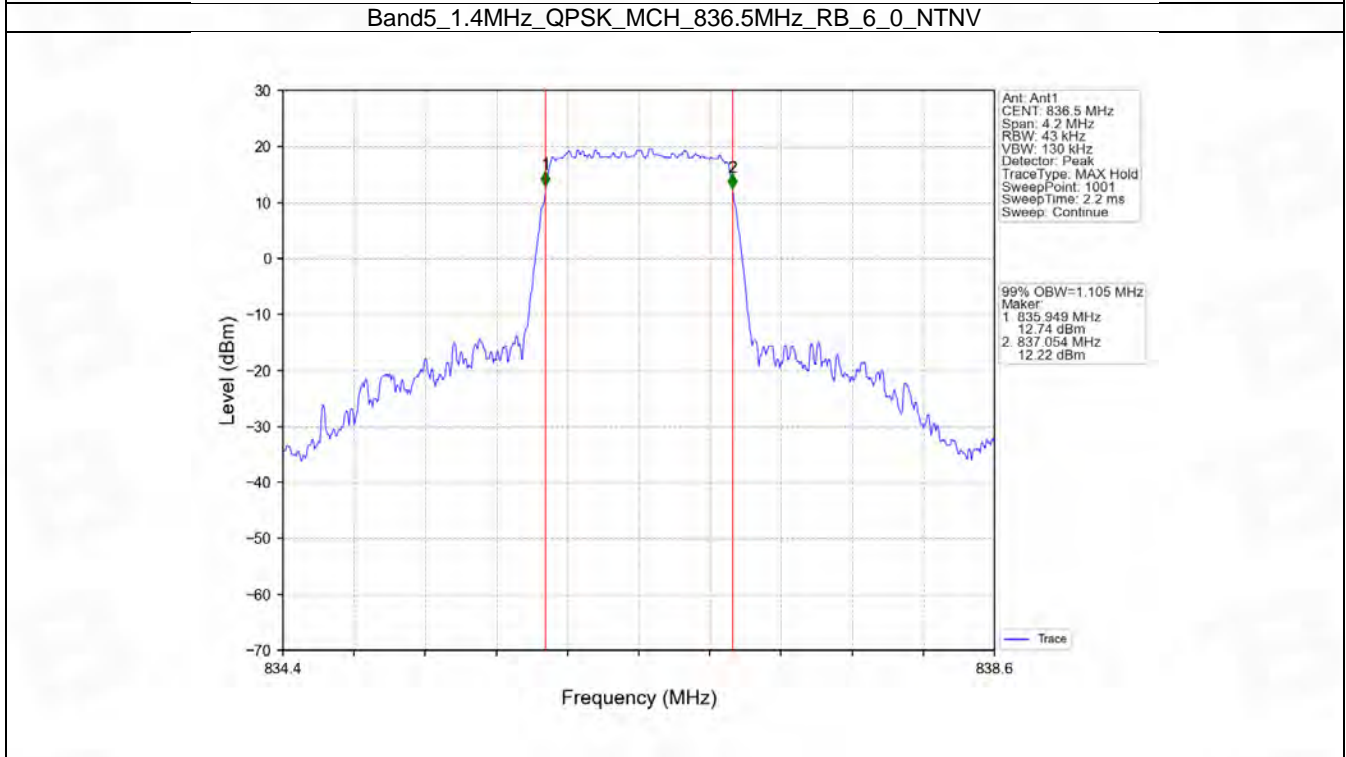
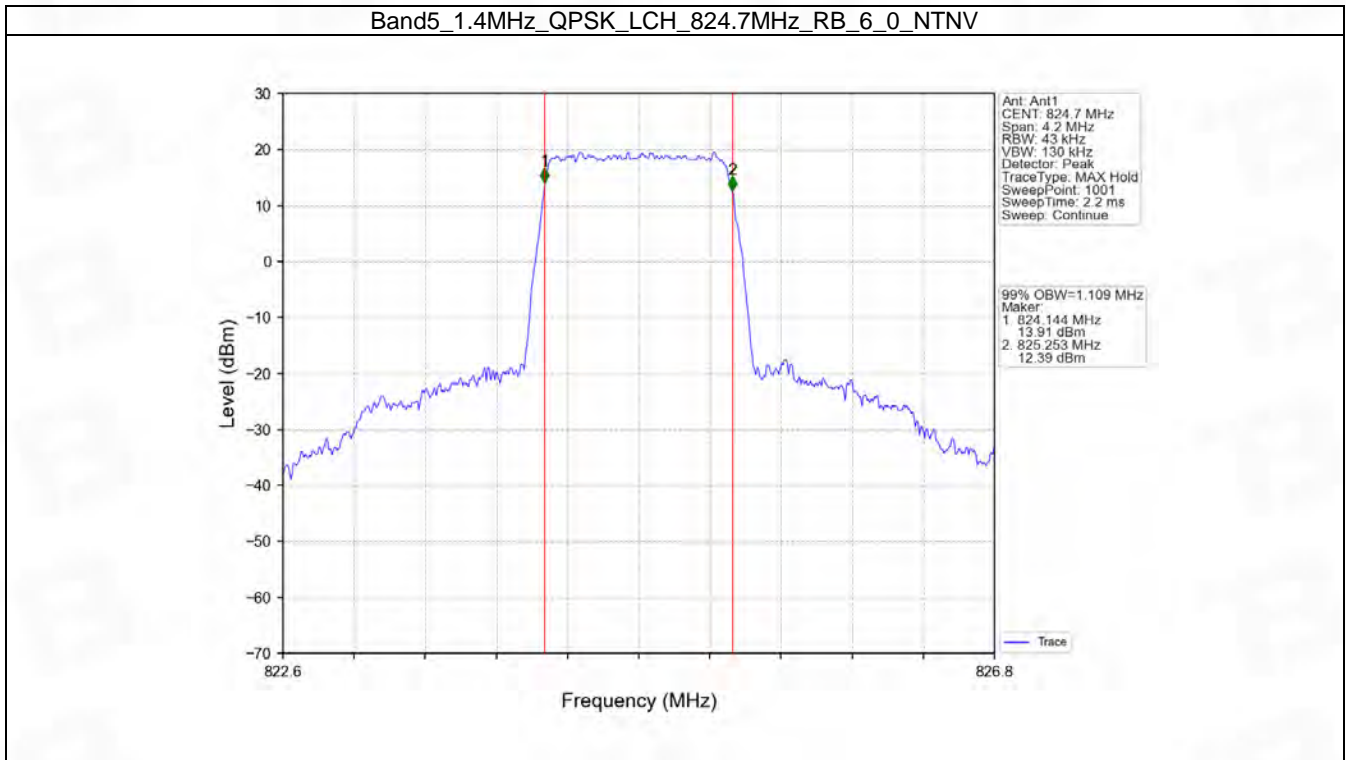
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

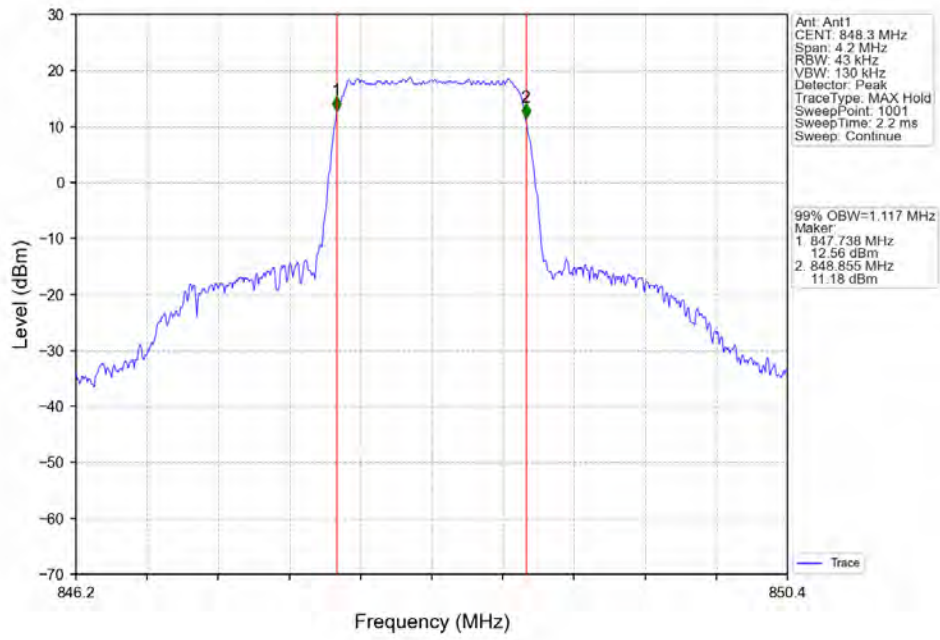
4.1.1 Test Result

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	1.109	/	Pass
		836.5	6	0	1.105	/	Pass
		848.3	6	0	1.117	/	Pass
	16QAM	824.7	6	0	1.111	/	Pass
		836.5	6	0	1.108	/	Pass
		848.3	6	0	1.125	/	Pass
3	QPSK	825.5	15	0	2.750	/	Pass
		836.5	15	0	2.753	/	Pass
		847.5	15	0	2.754	/	Pass
	16QAM	825.5	15	0	2.747	/	Pass
		836.5	15	0	2.752	/	Pass
		847.5	15	0	2.743	/	Pass
5	QPSK	826.5	25	0	4.553	/	Pass
		836.5	25	0	4.549	/	Pass
		846.5	25	0	4.564	/	Pass
	16QAM	826.5	25	0	4.597	/	Pass
		836.5	25	0	4.563	/	Pass
		846.5	25	0	4.559	/	Pass
10	QPSK	829	50	0	9.085	/	Pass
		836.5	50	0	9.058	/	Pass
		844	50	0	9.076	/	Pass
	16QAM	829	50	0	9.063	/	Pass
		836.5	50	0	9.063	/	Pass
		844	50	0	9.041	/	Pass

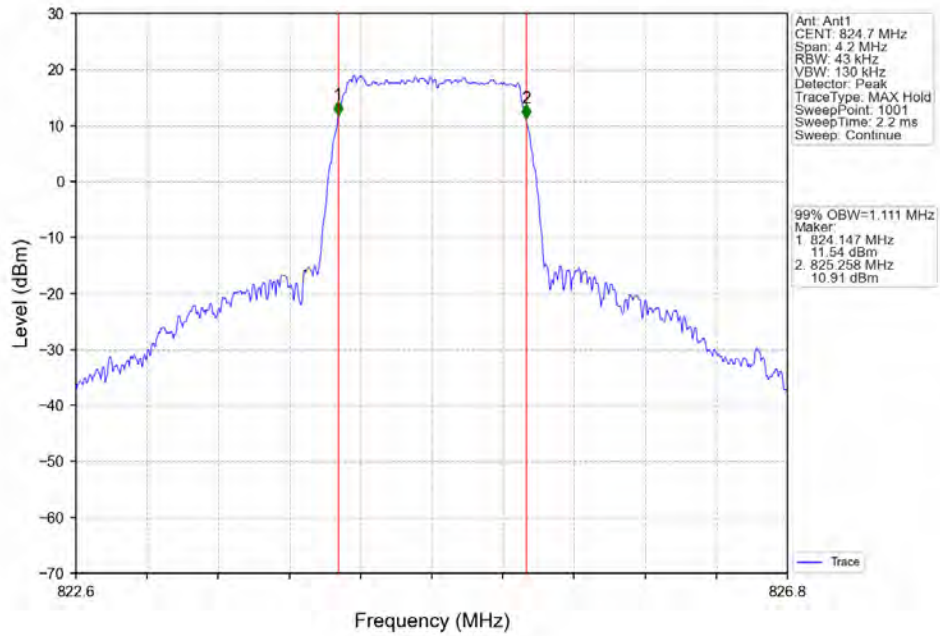
4.1.2 Test Graph



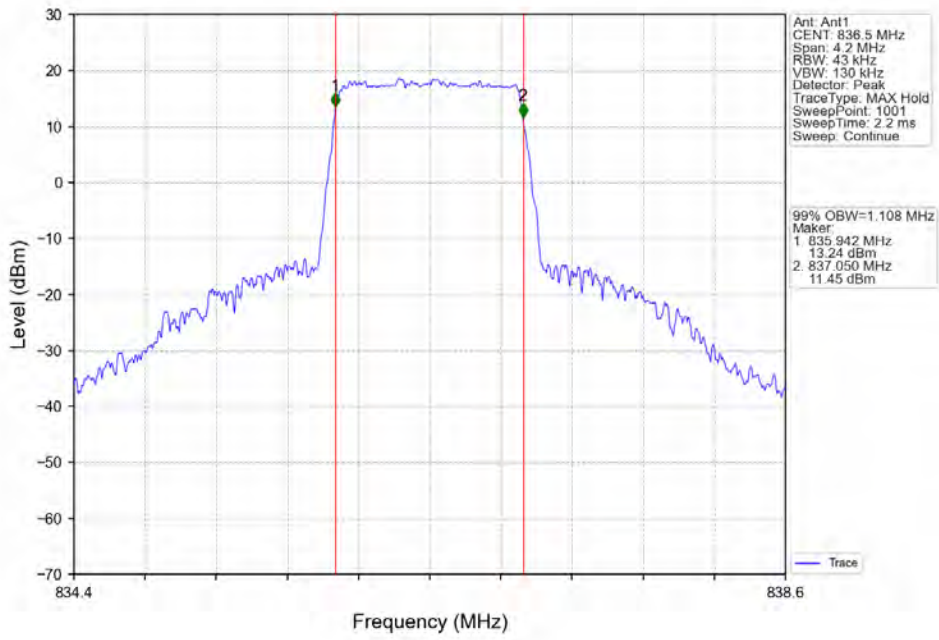
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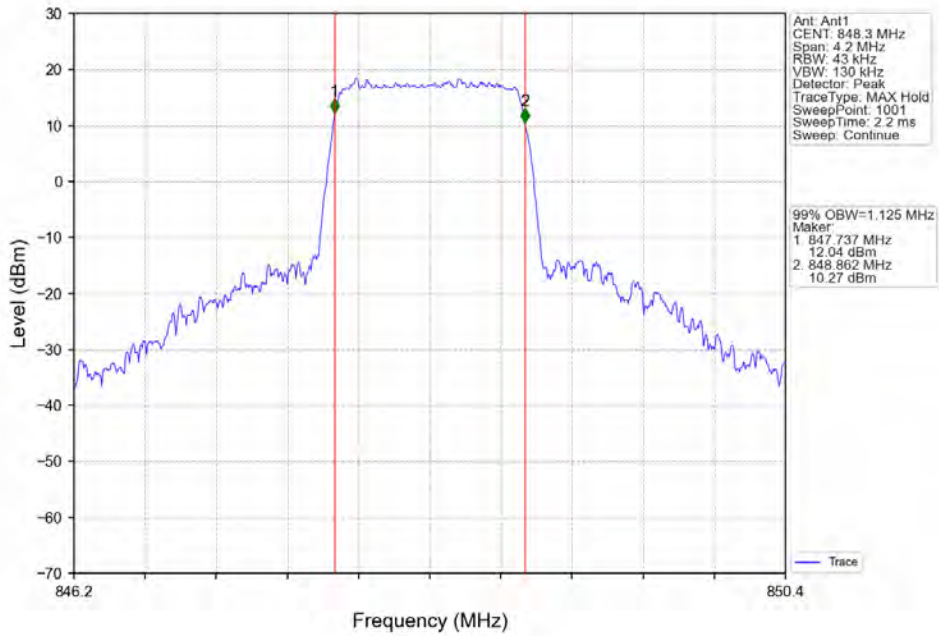
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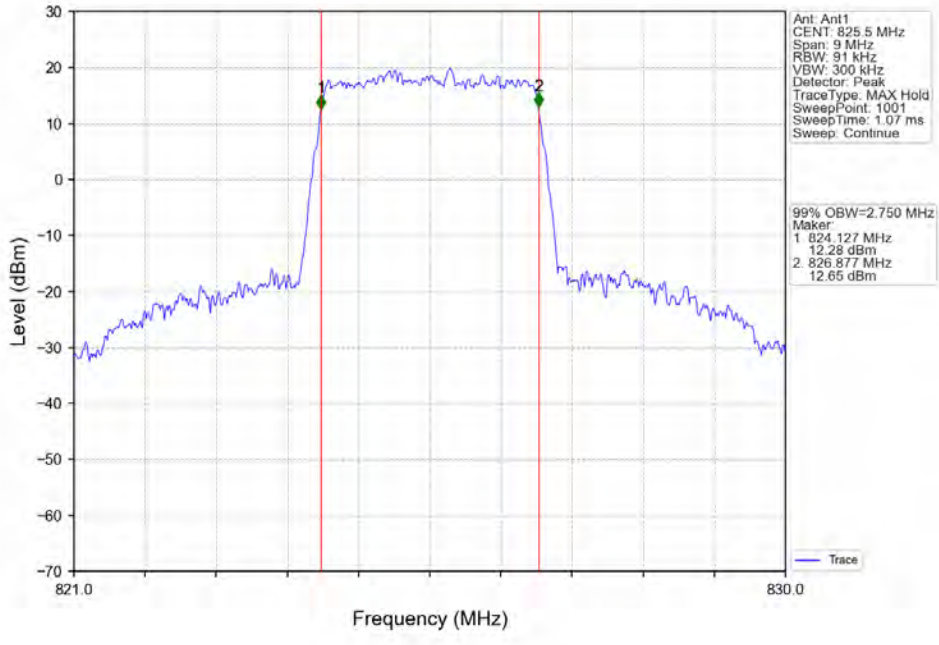
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



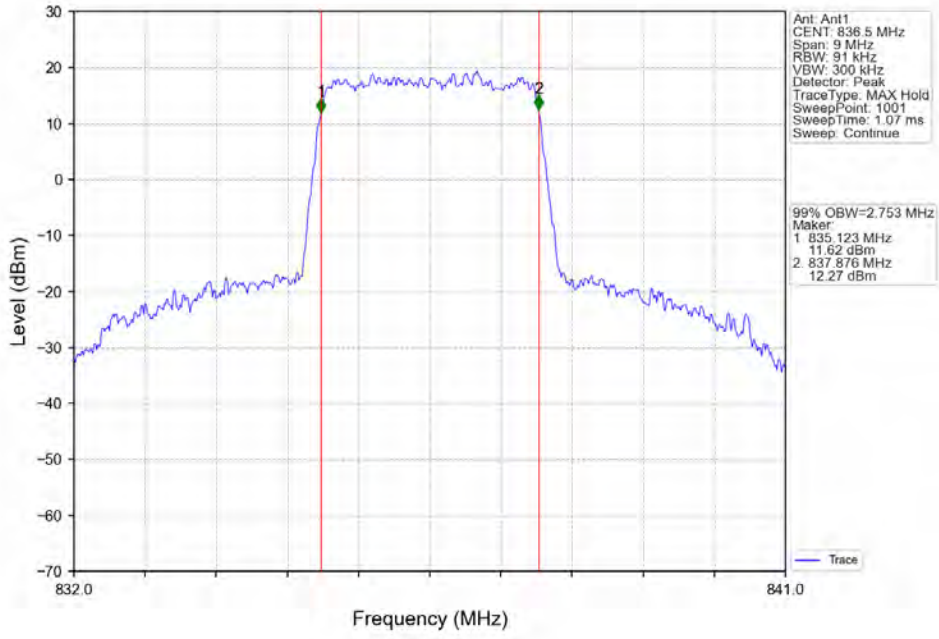
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



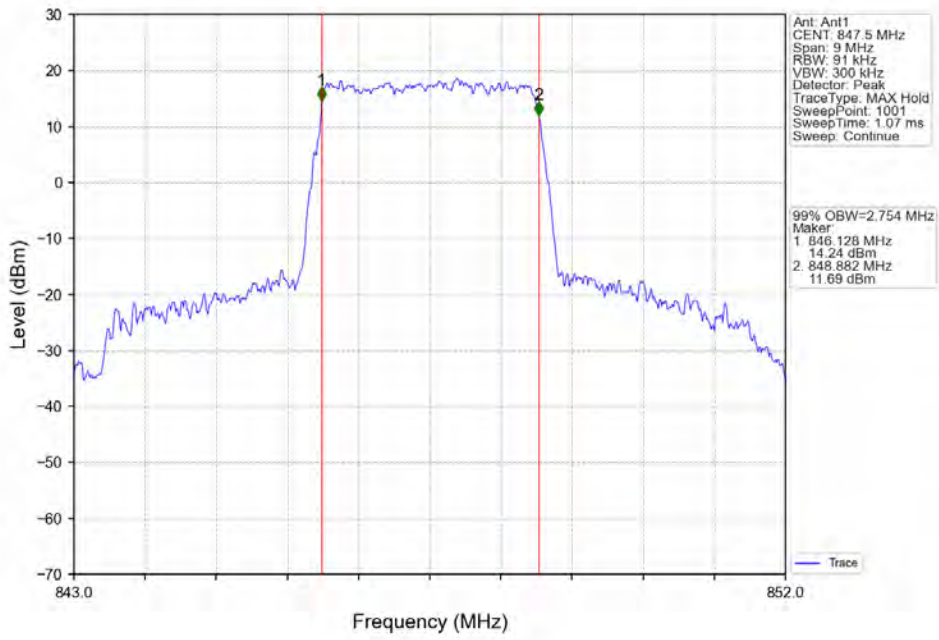
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



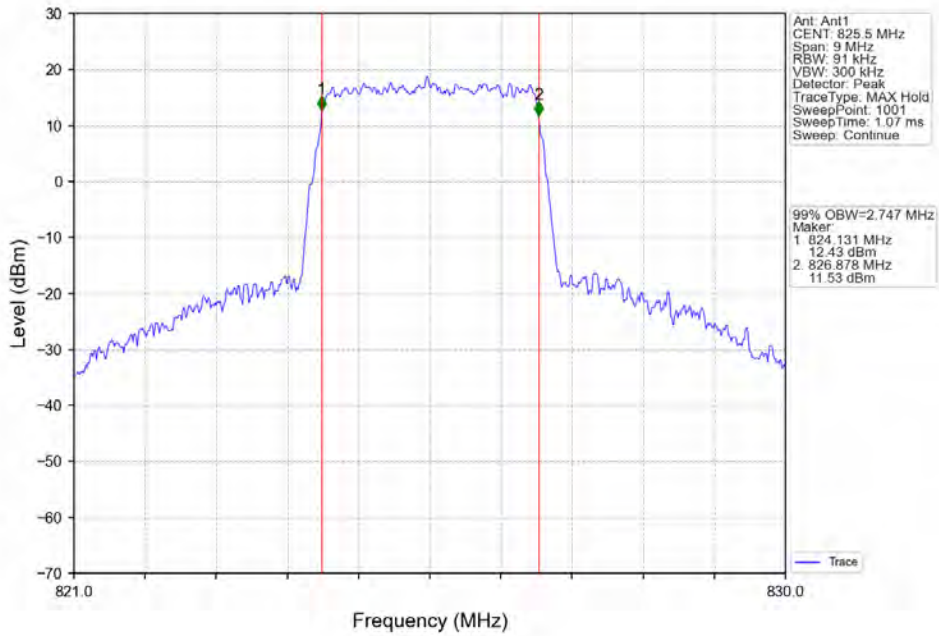
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



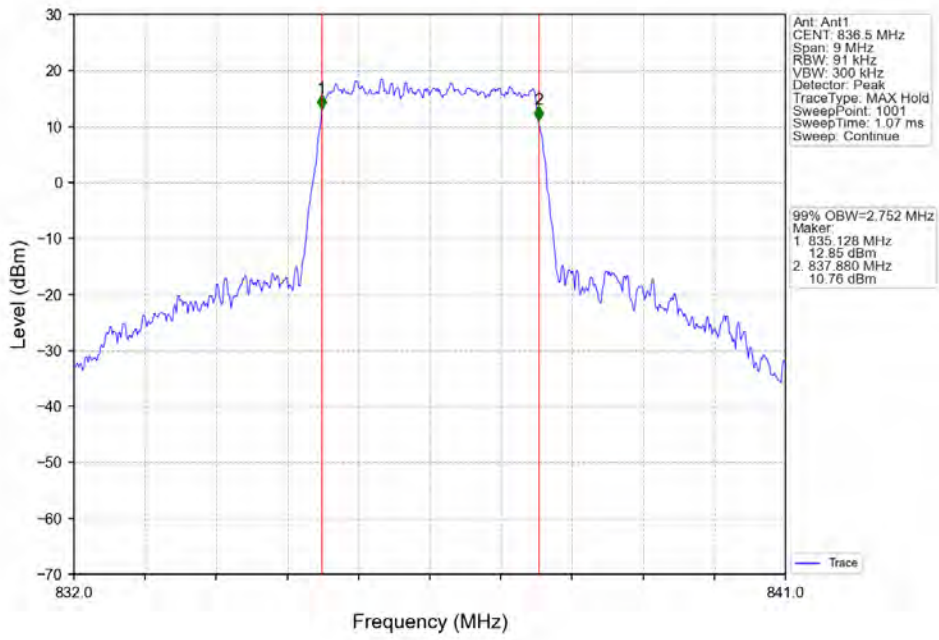
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



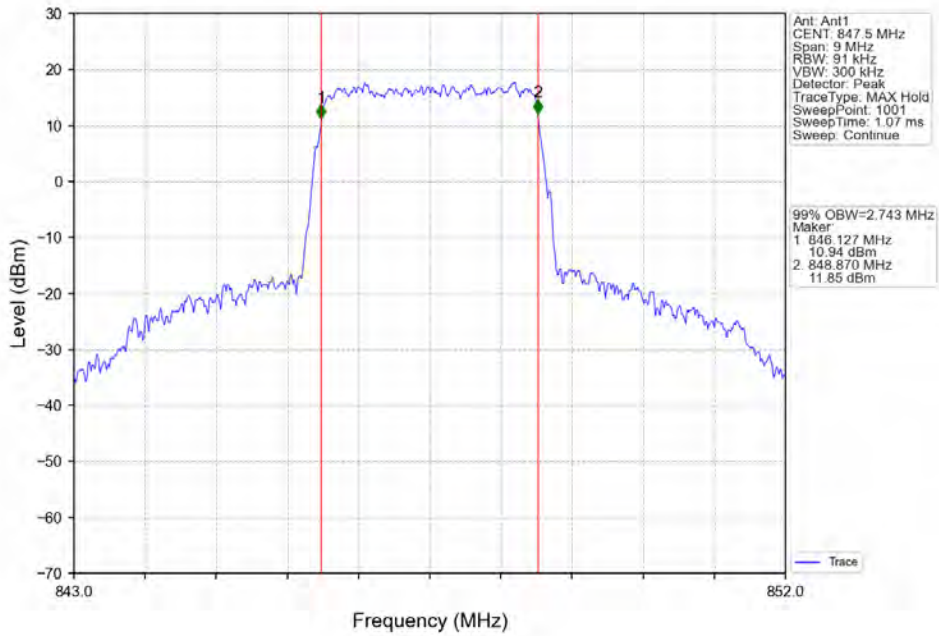
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



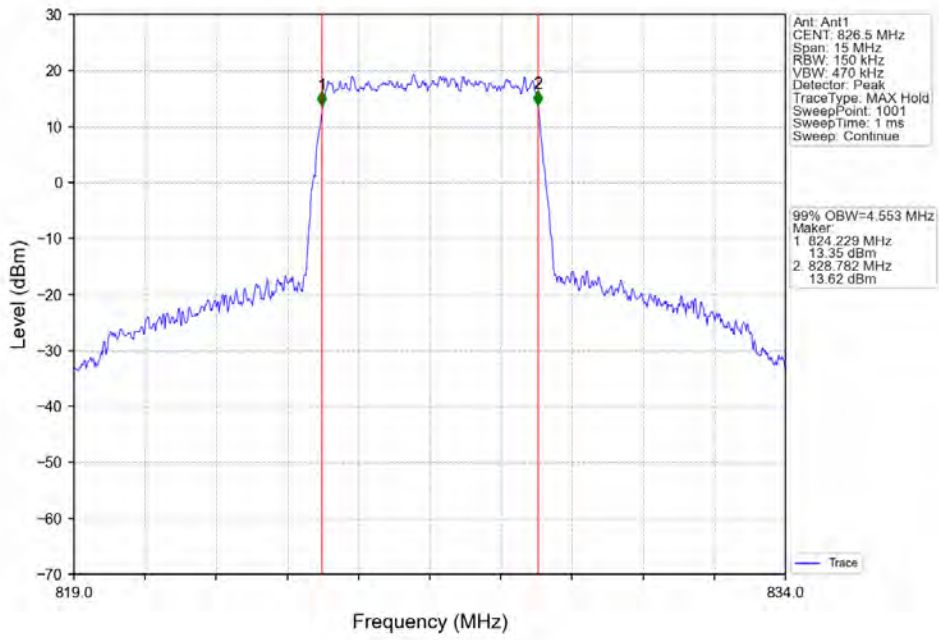
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



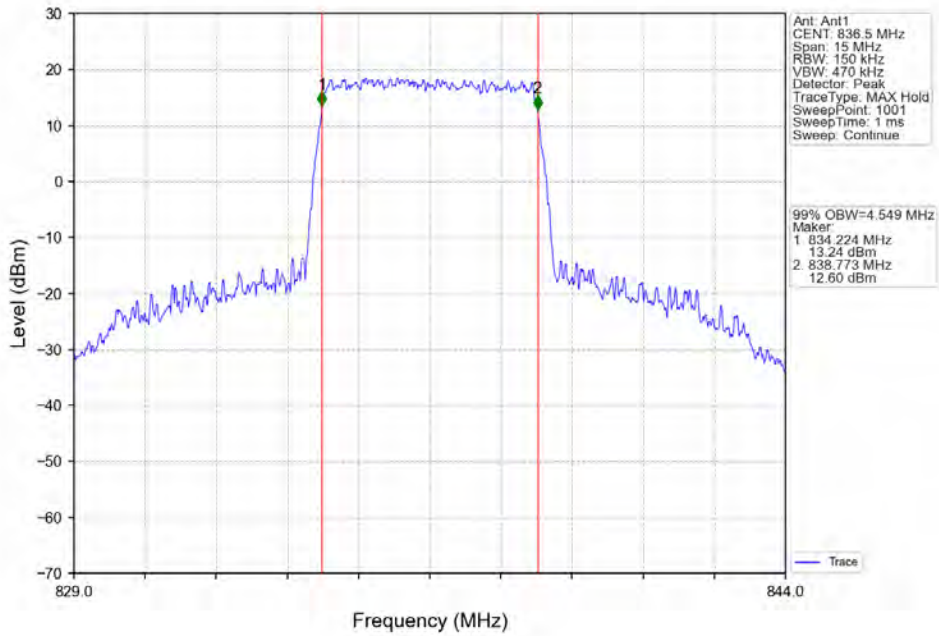
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



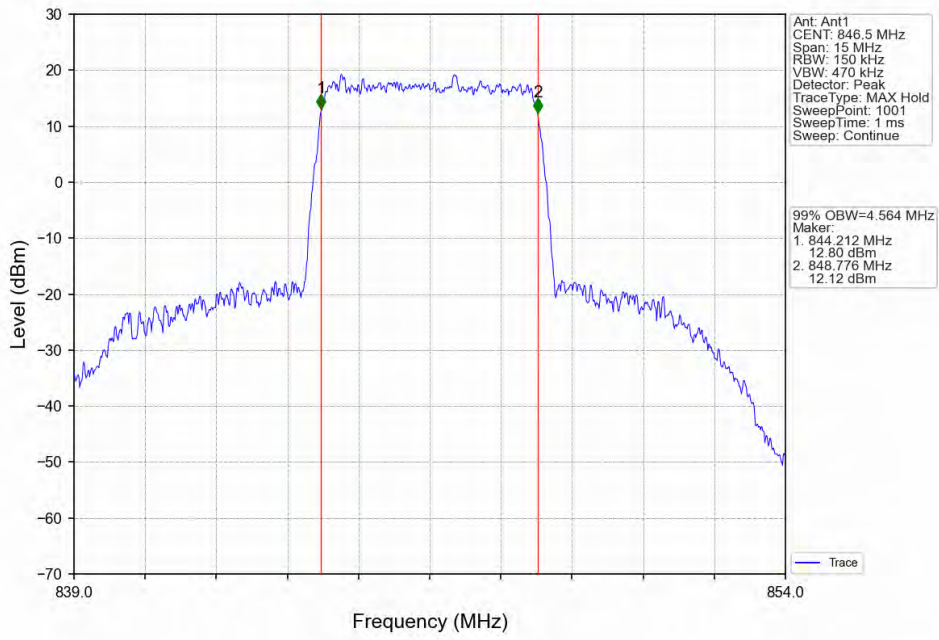
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



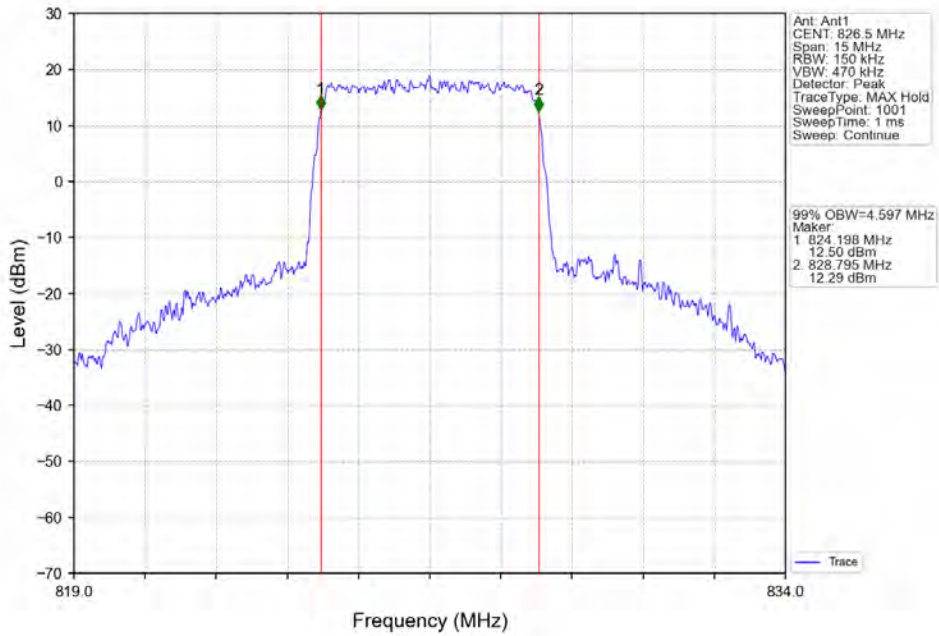
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



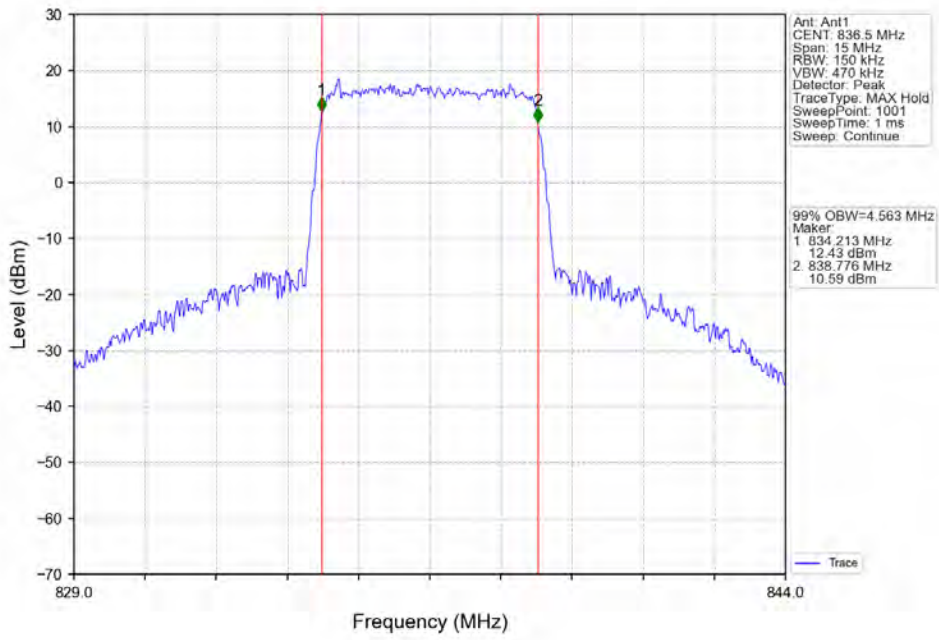
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



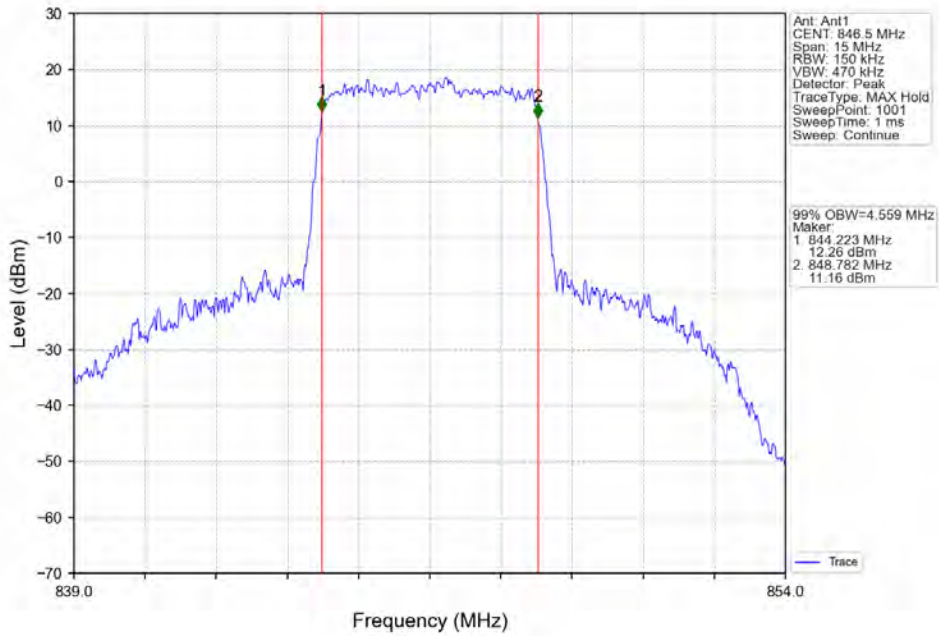
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



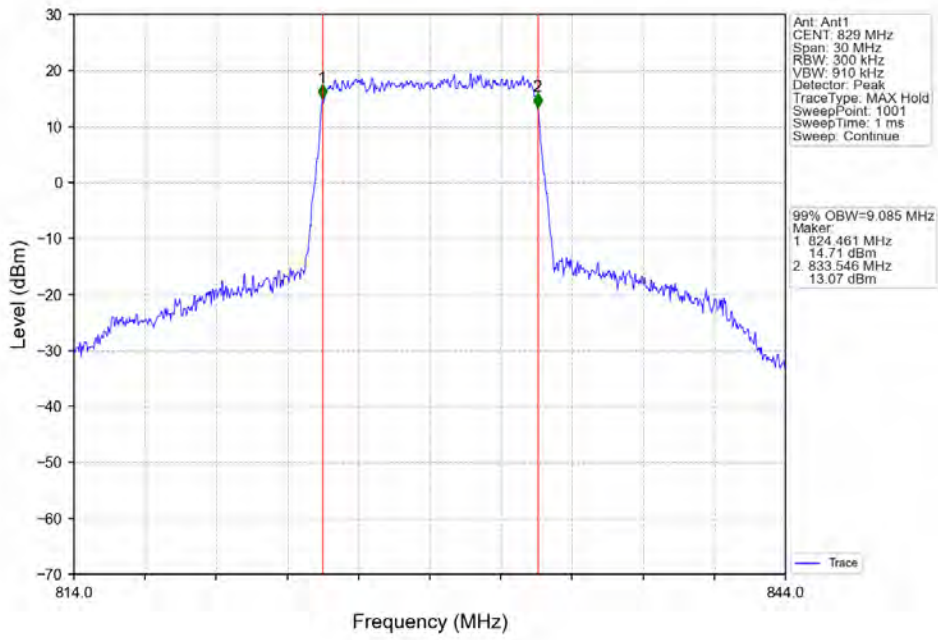
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



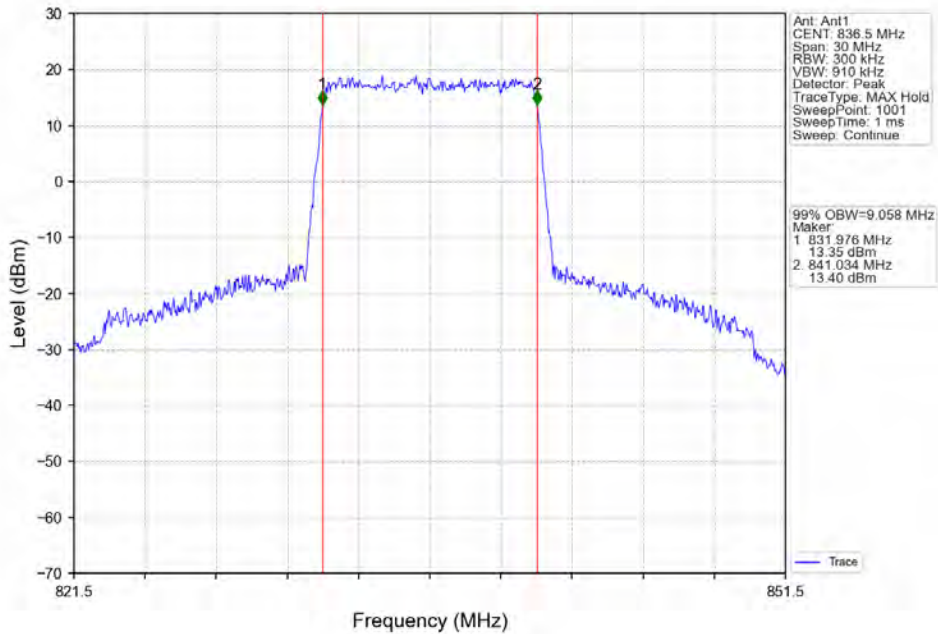
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



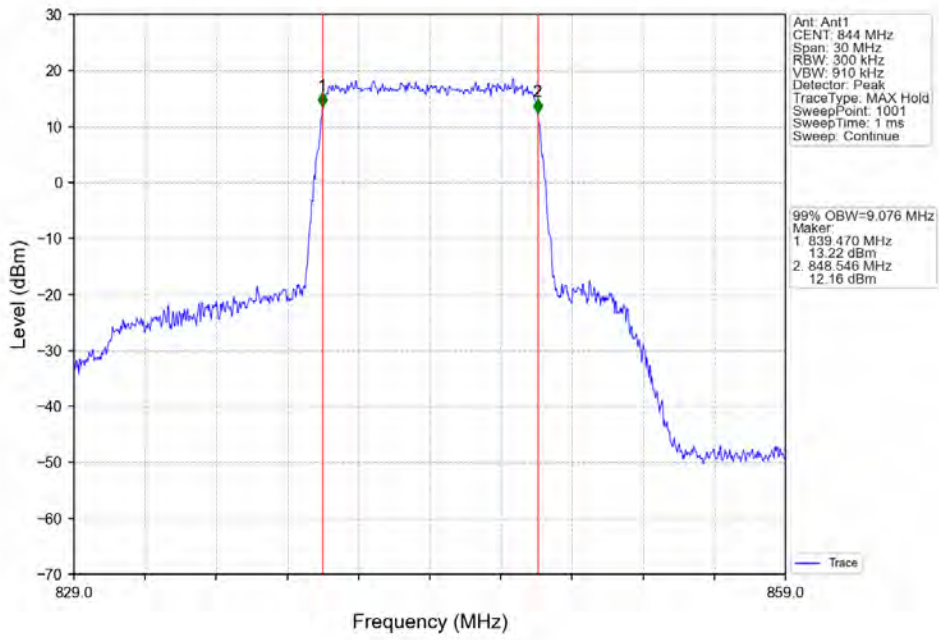
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



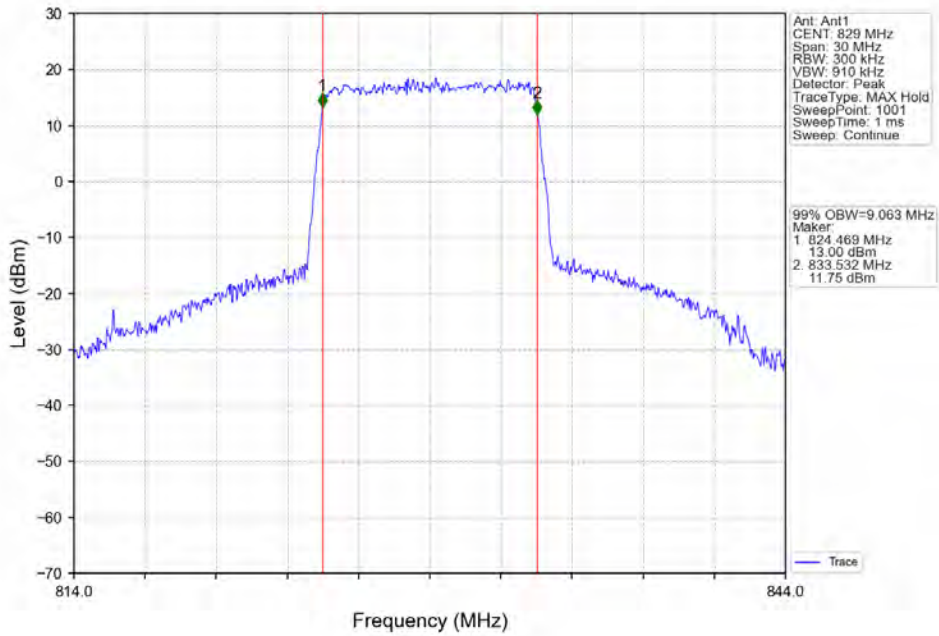
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



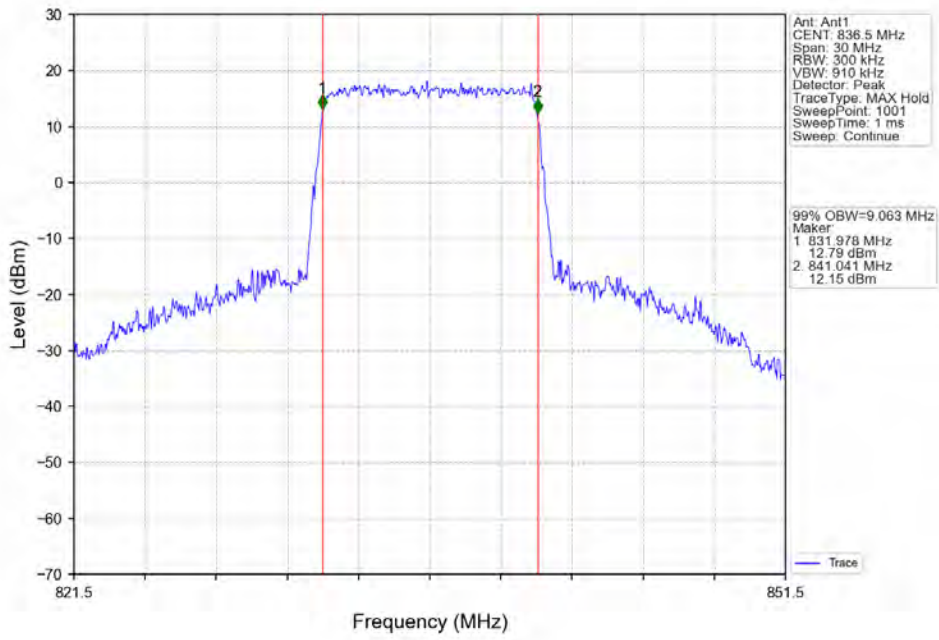
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



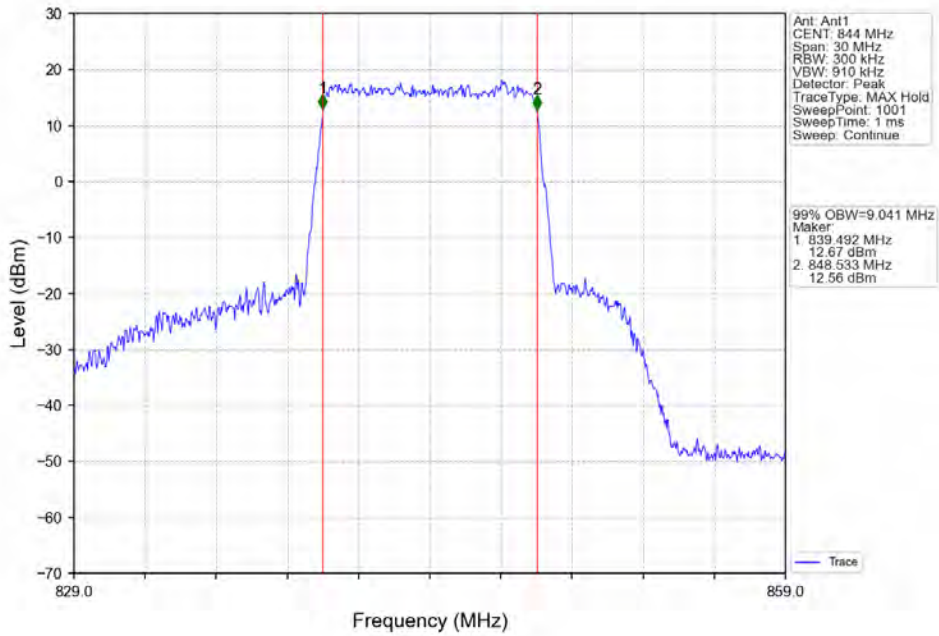
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

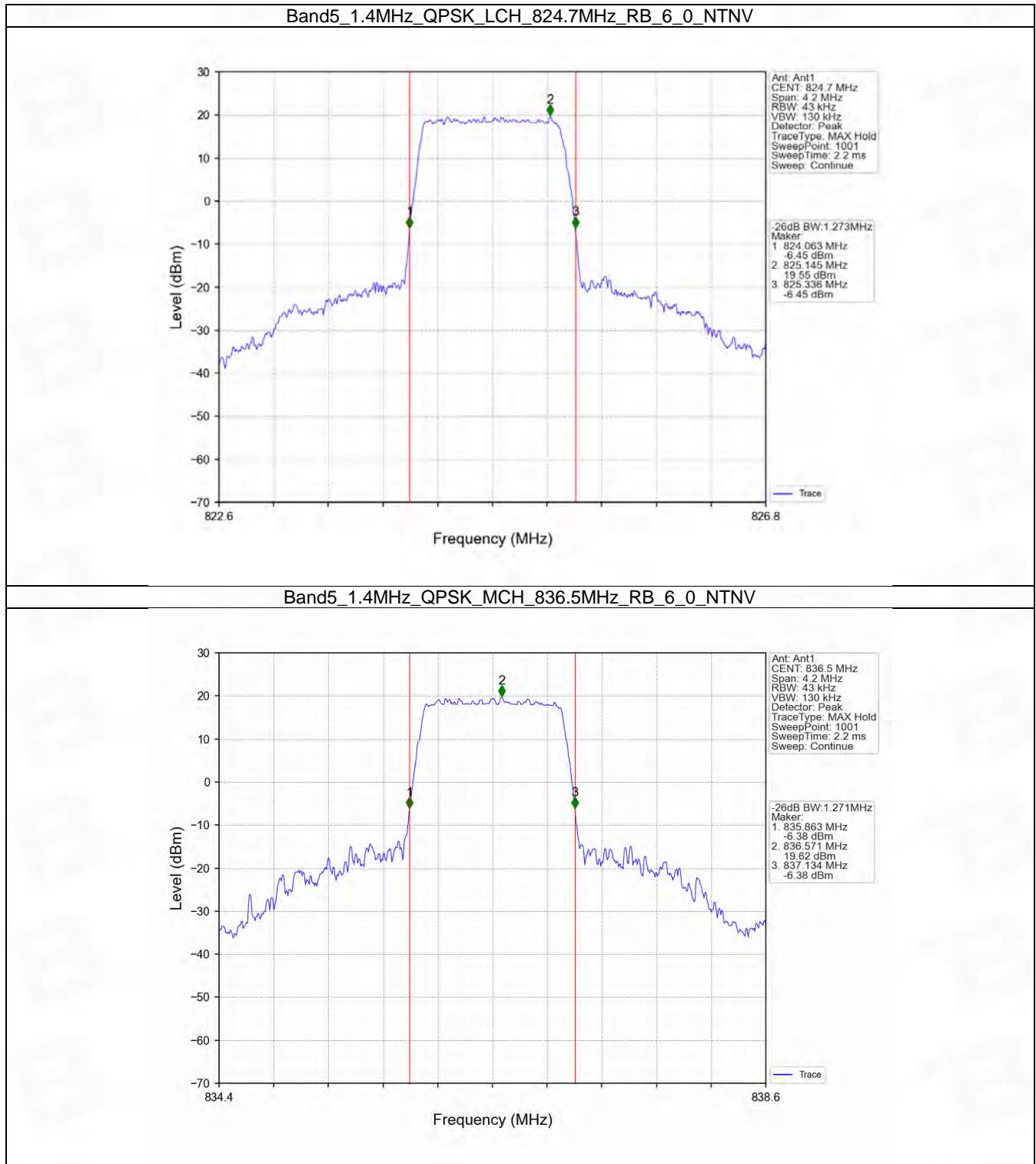


4.2 Band5_XDB

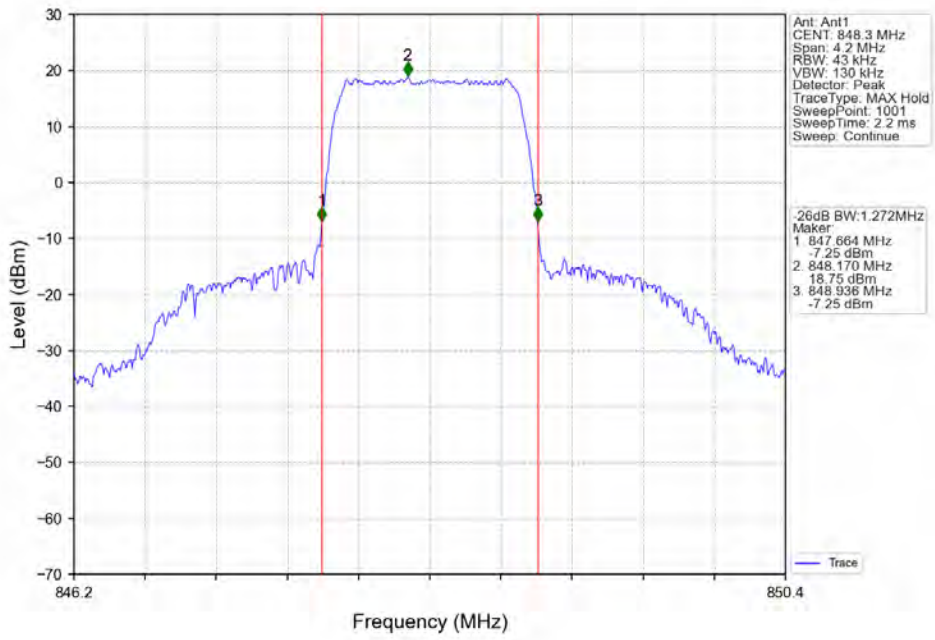
4.2.1 Test Result

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	1.273	/	Pass
		836.5	6	0	1.271	/	Pass
		848.3	6	0	1.272	/	Pass
	16QAM	824.7	6	0	1.279	/	Pass
		836.5	6	0	1.267	/	Pass
		848.3	6	0	1.279	/	Pass
3	QPSK	825.5	15	0	3.099	/	Pass
		836.5	15	0	3.086	/	Pass
		847.5	15	0	3.118	/	Pass
	16QAM	825.5	15	0	3.101	/	Pass
		836.5	15	0	3.096	/	Pass
		847.5	15	0	3.100	/	Pass
5	QPSK	826.5	25	0	5.059	/	Pass
		836.5	25	0	5.080	/	Pass
		846.5	25	0	5.064	/	Pass
	16QAM	826.5	25	0	5.049	/	Pass
		836.5	25	0	5.041	/	Pass
		846.5	25	0	5.036	/	Pass
10	QPSK	829	50	0	10.035	/	Pass
		836.5	50	0	10.029	/	Pass
		844	50	0	10.039	/	Pass
	16QAM	829	50	0	10.033	/	Pass
		836.5	50	0	10.014	/	Pass
		844	50	0	10.025	/	Pass

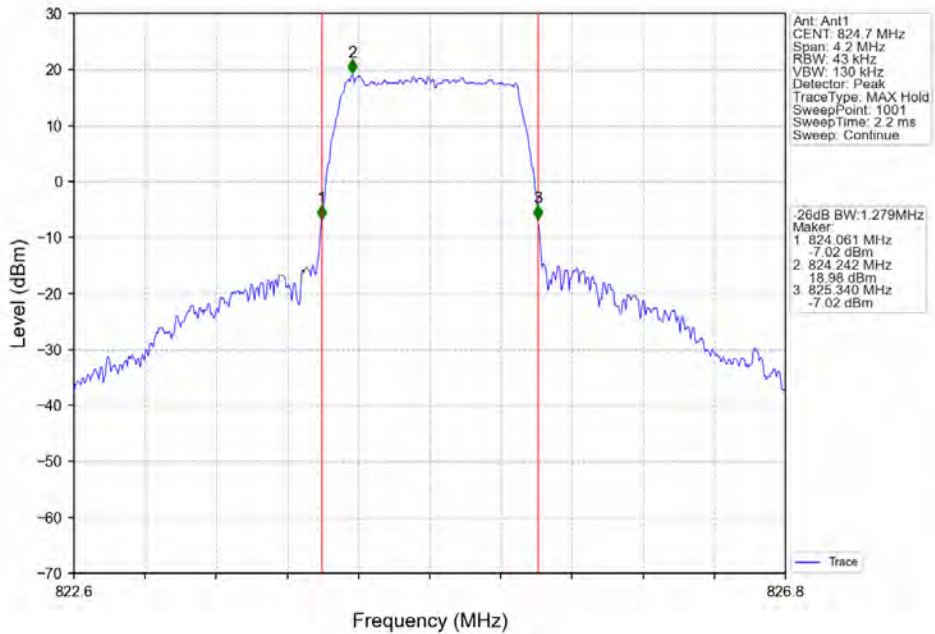
4.2.2 Test Graph



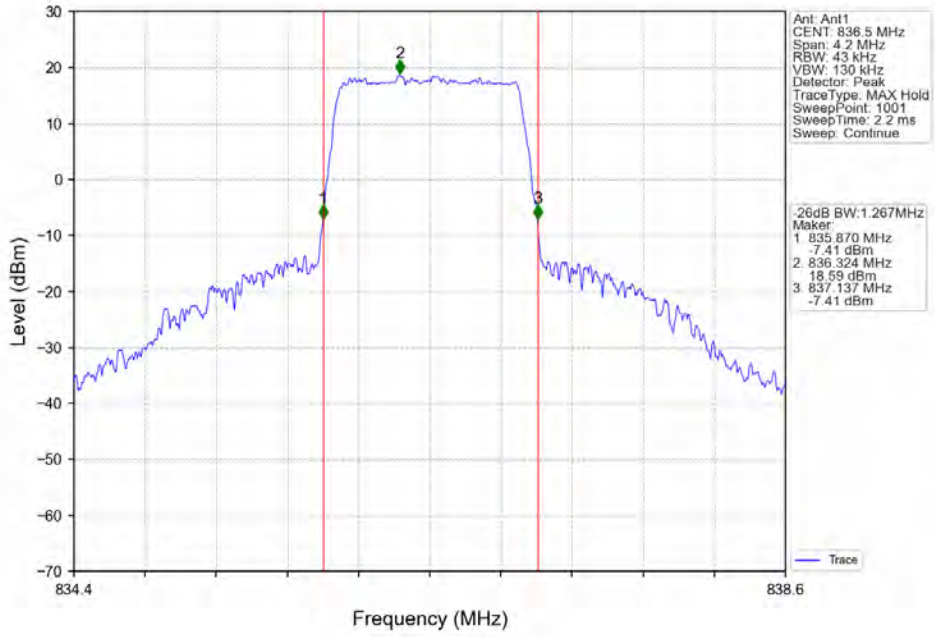
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



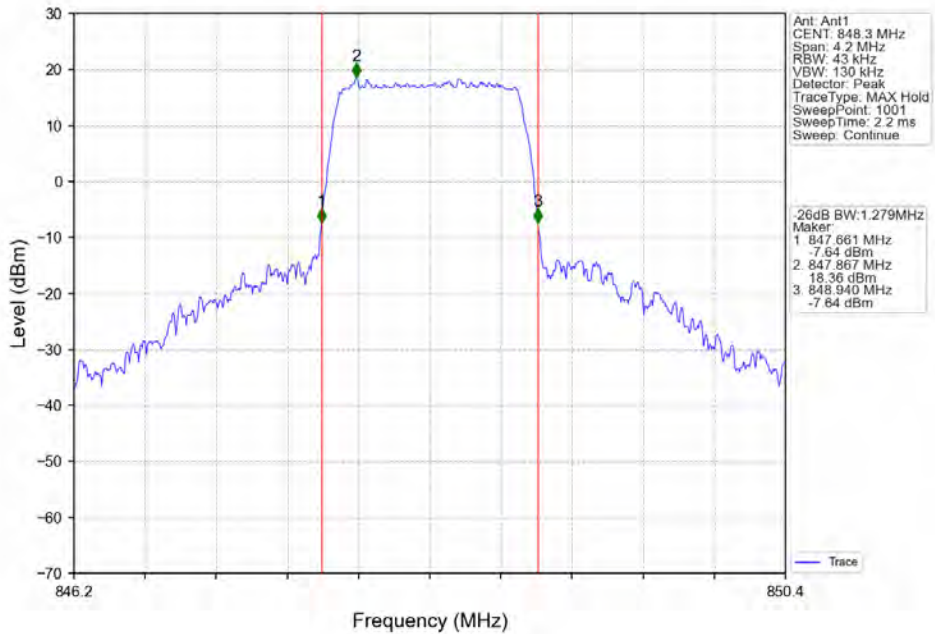
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



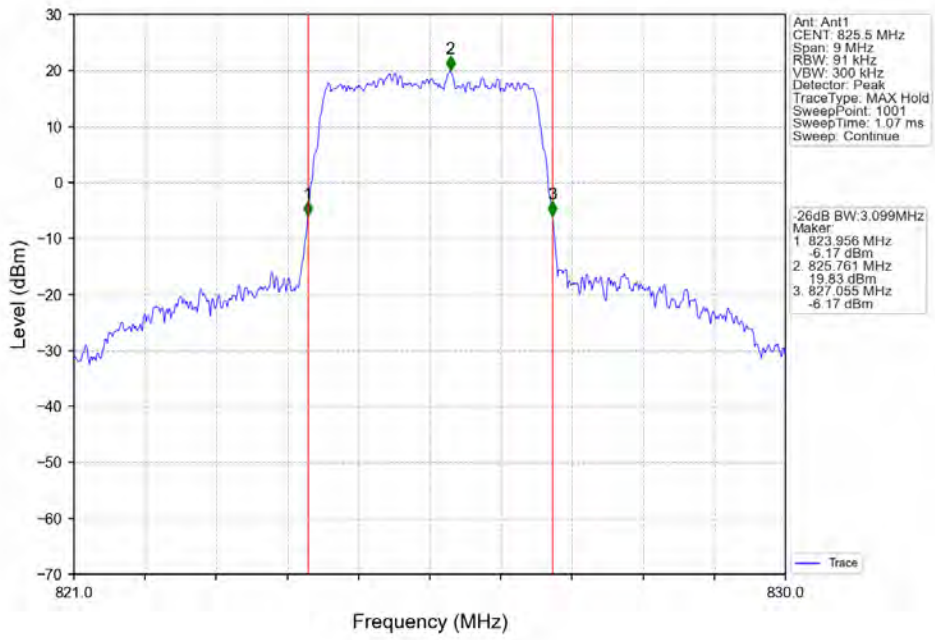
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



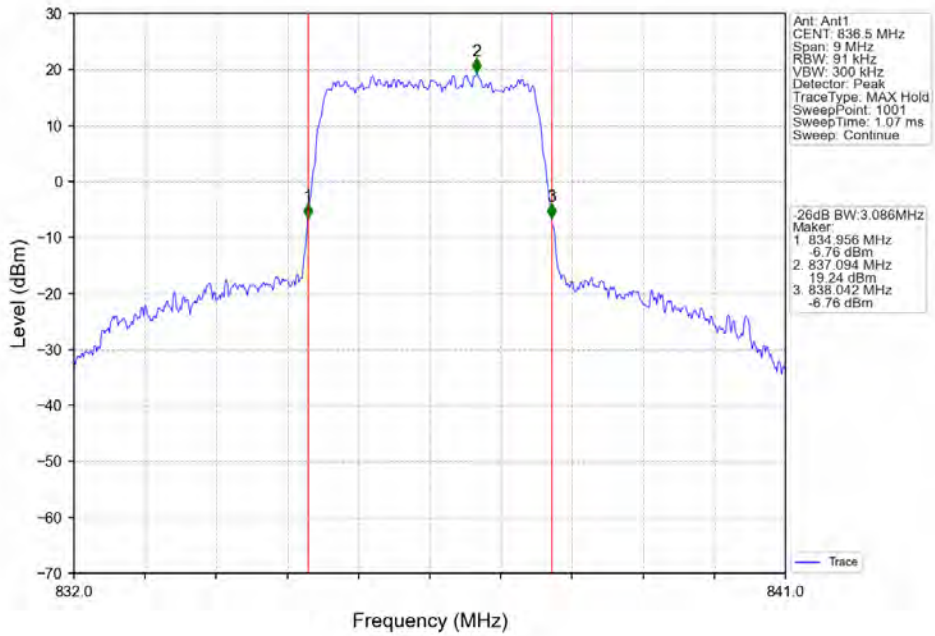
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



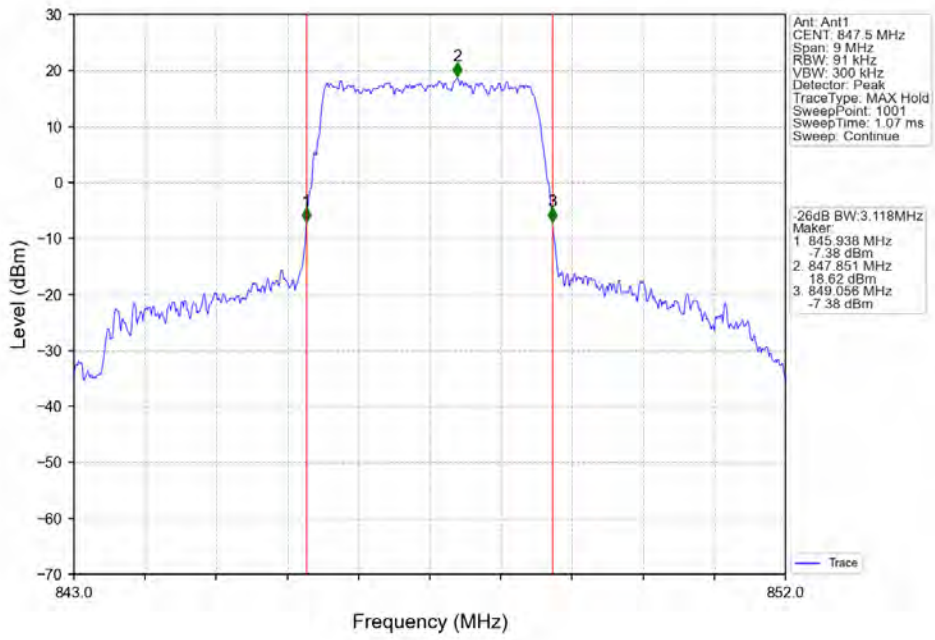
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



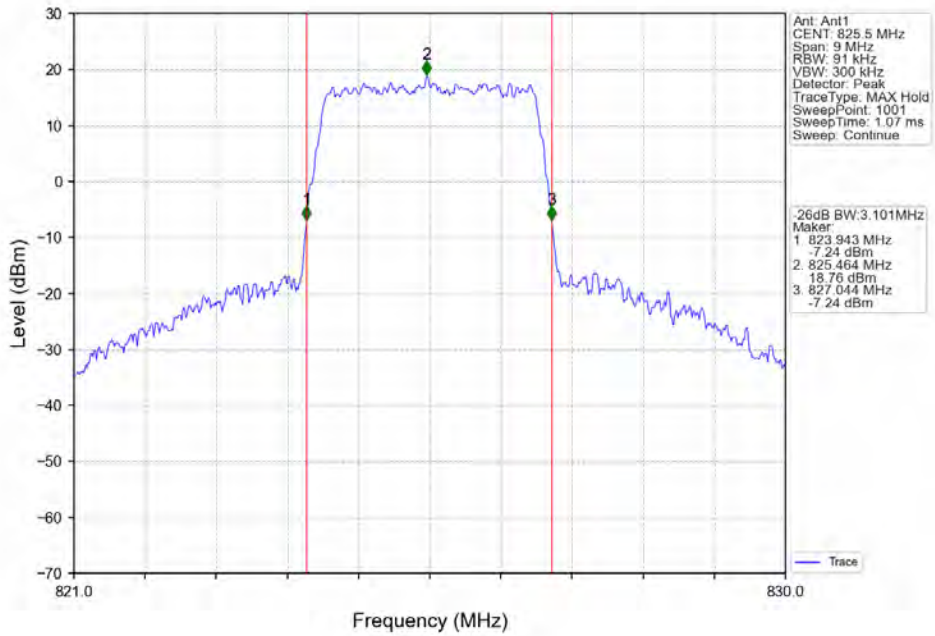
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



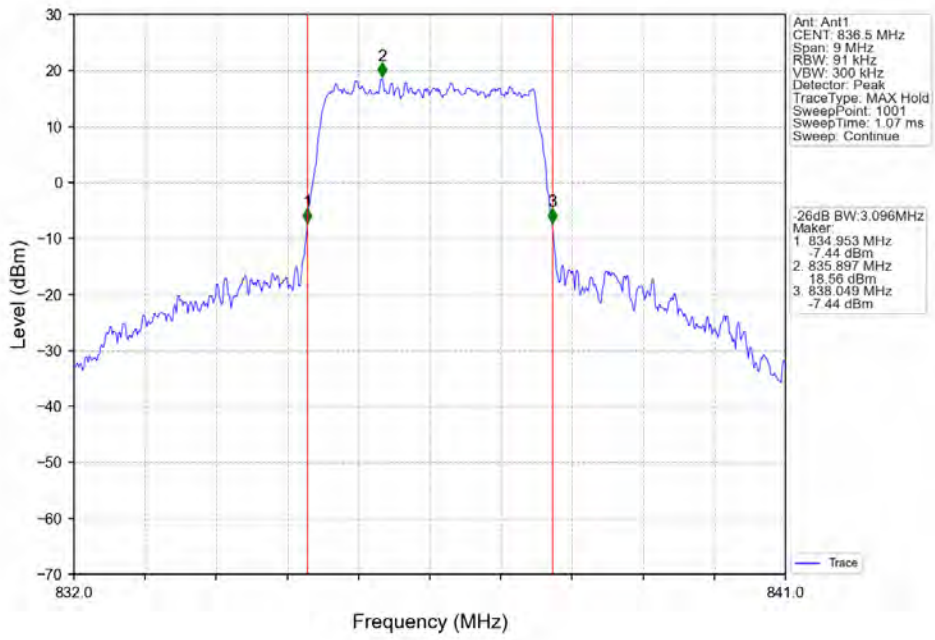
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



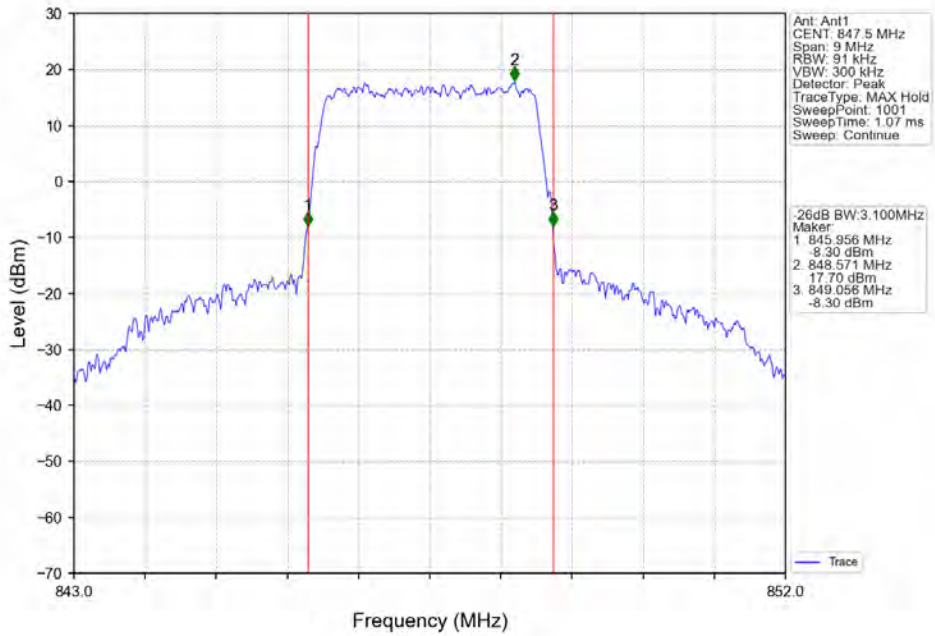
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



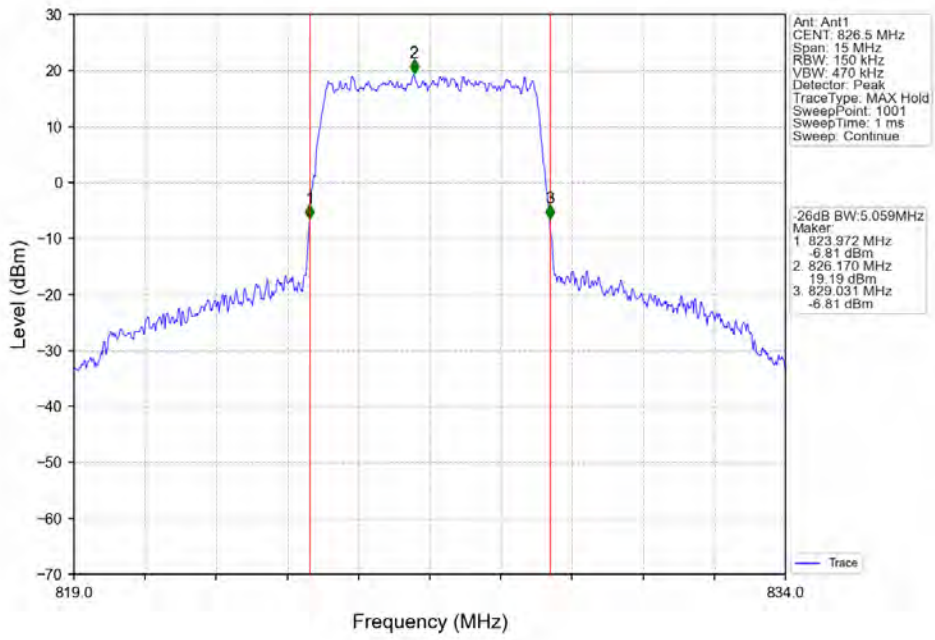
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



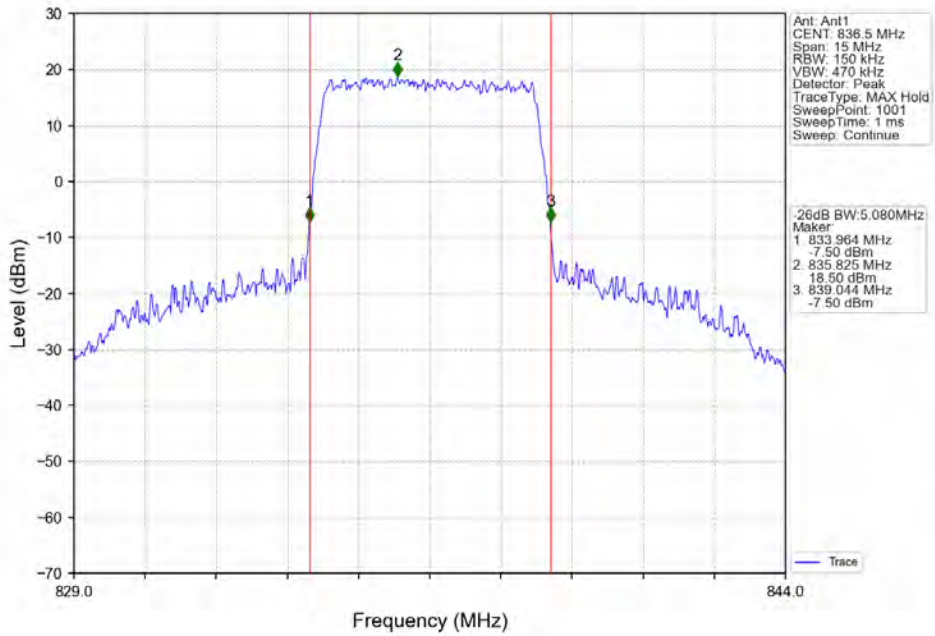
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



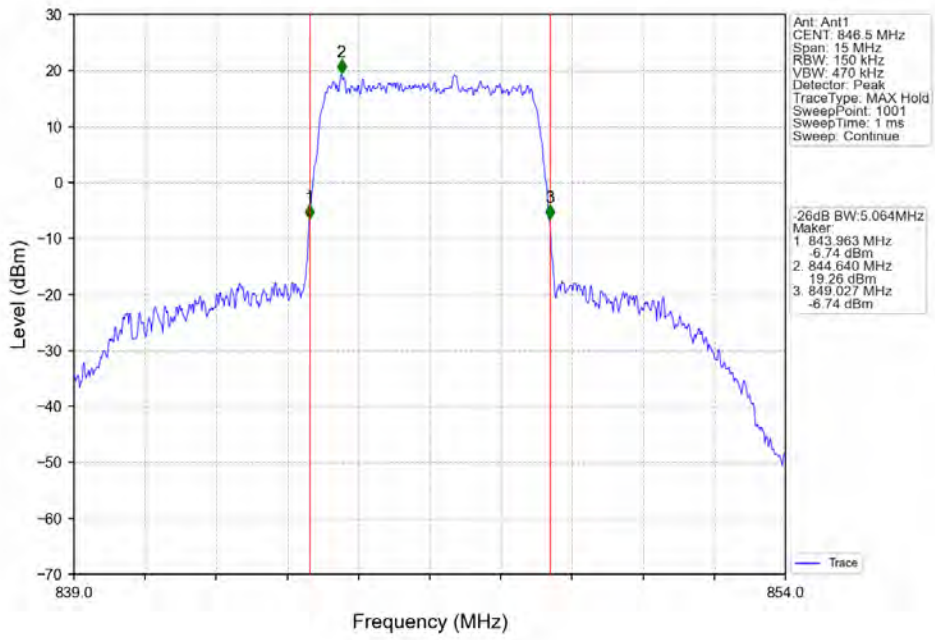
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



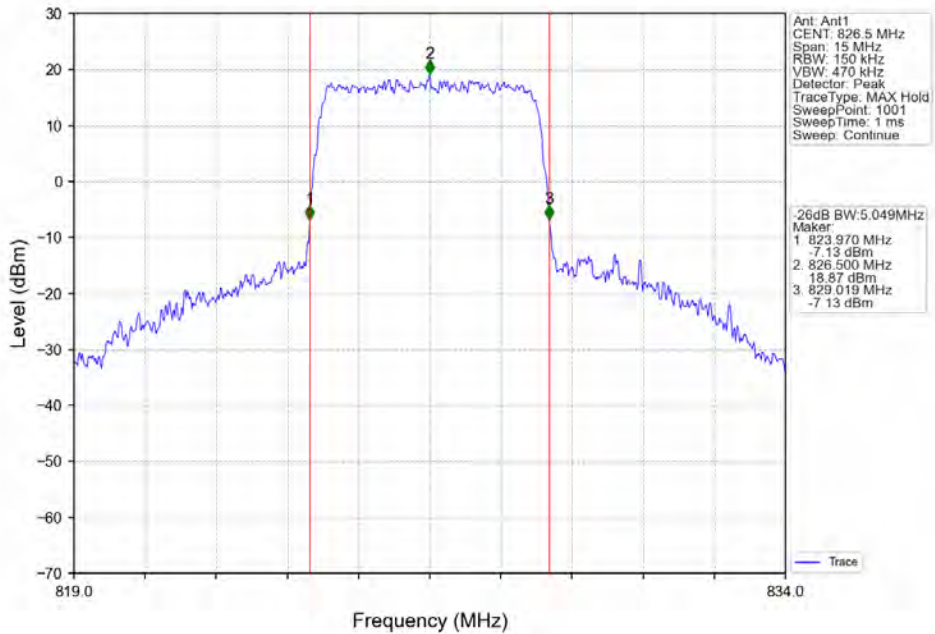
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



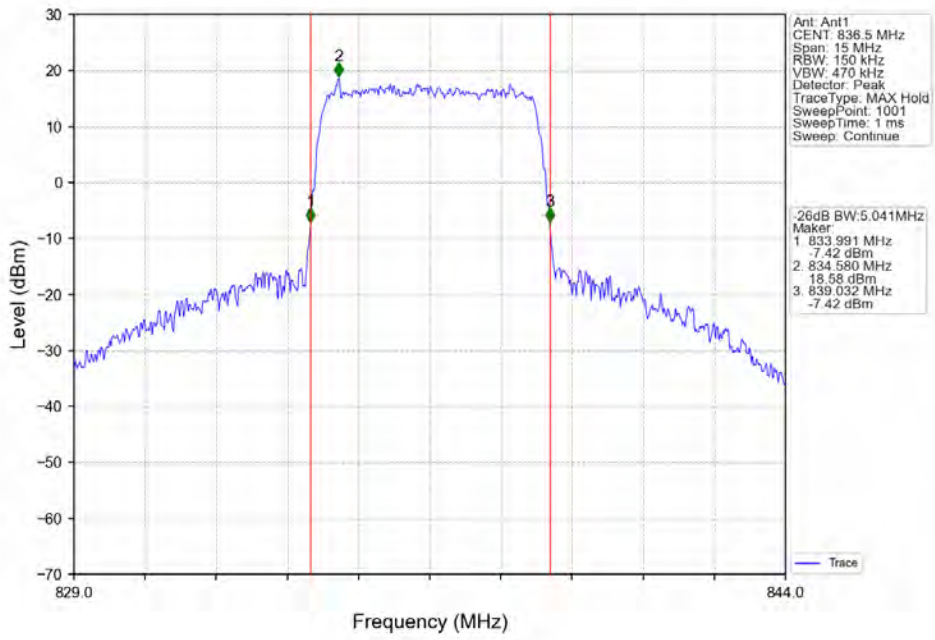
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



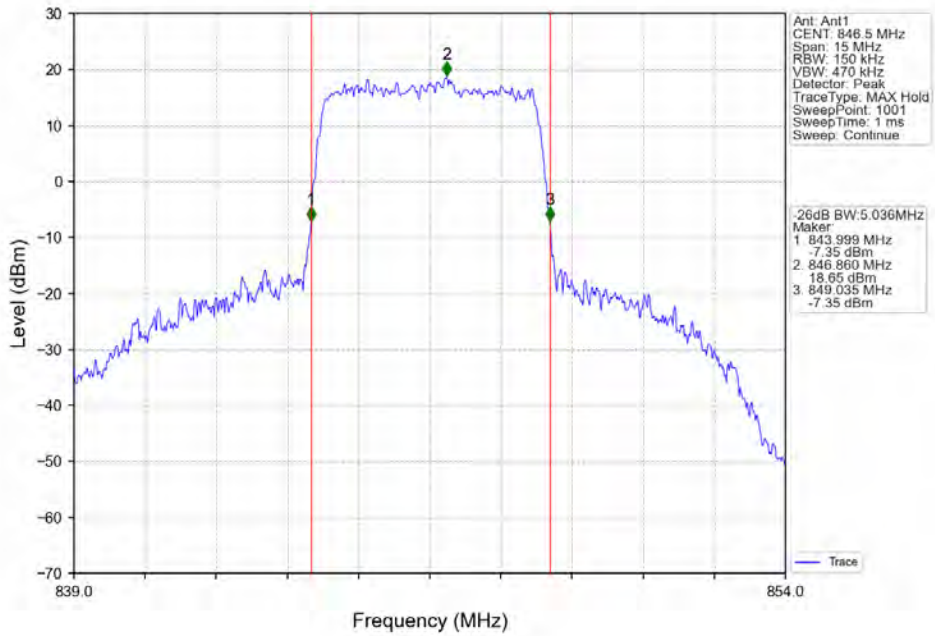
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



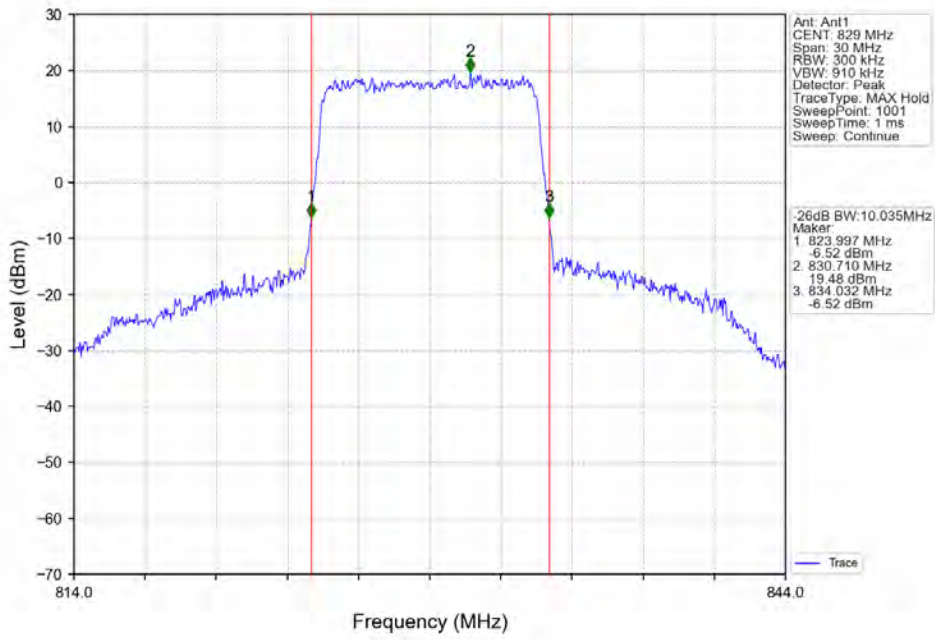
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



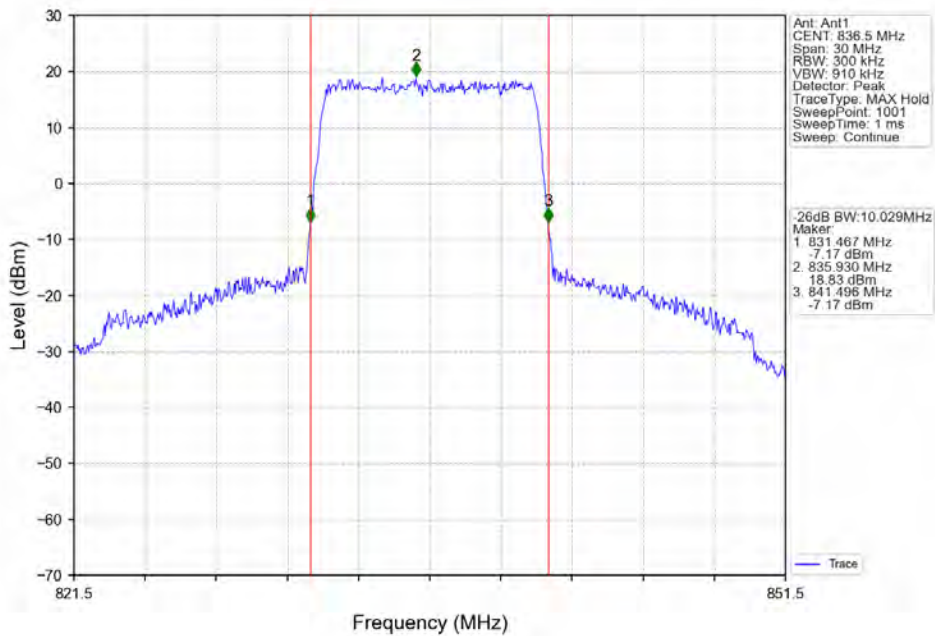
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



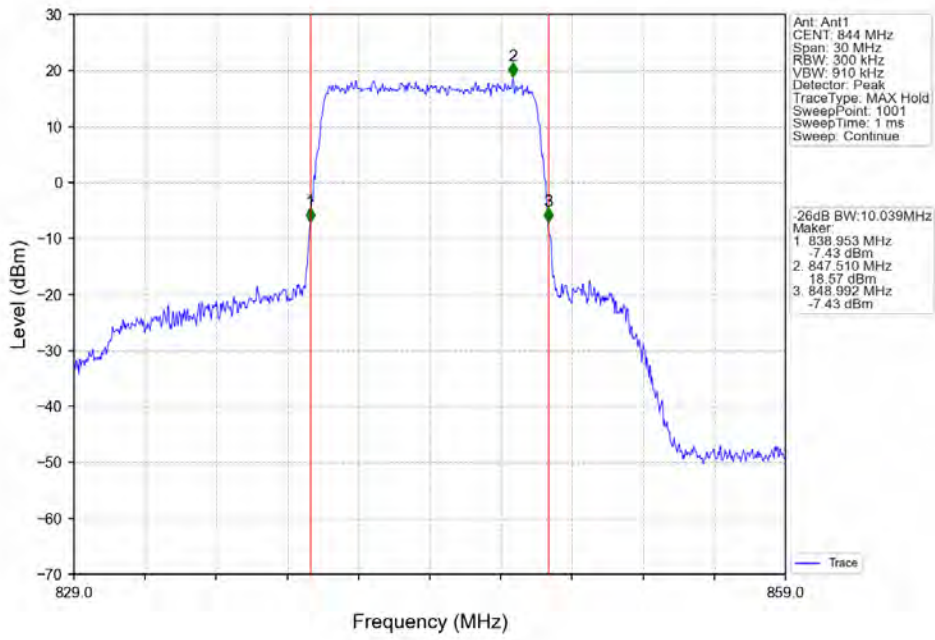
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



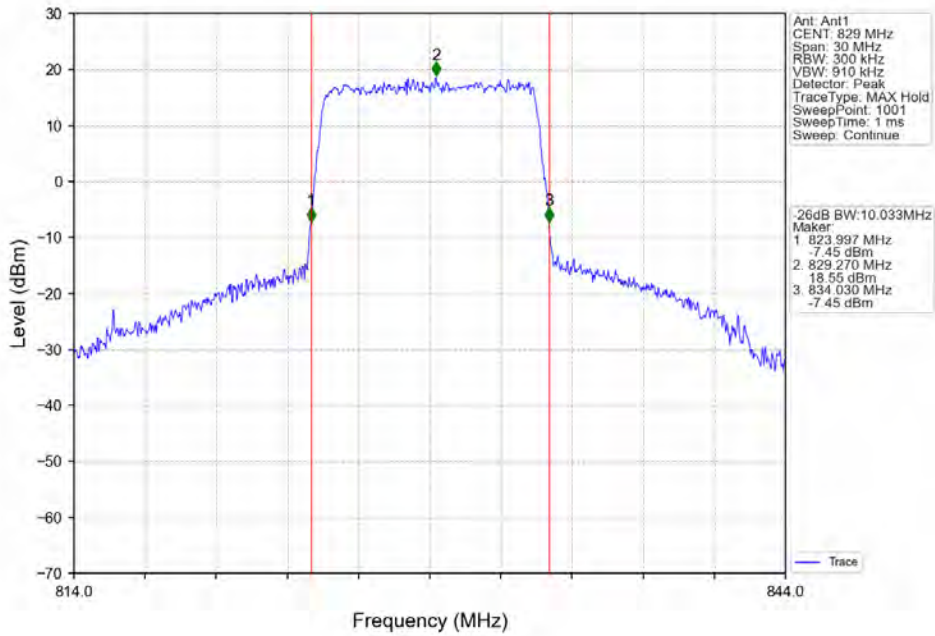
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



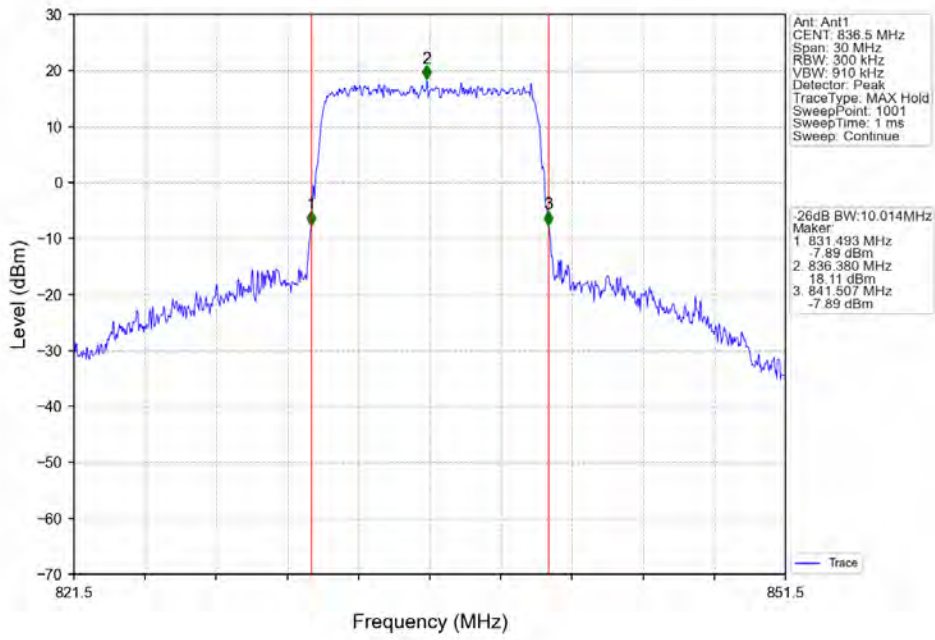
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



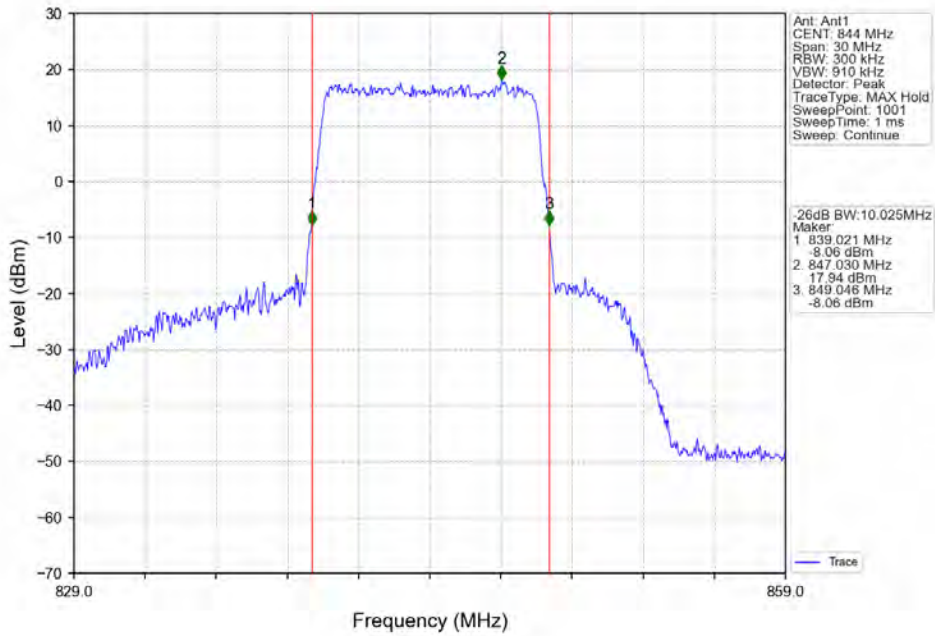
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



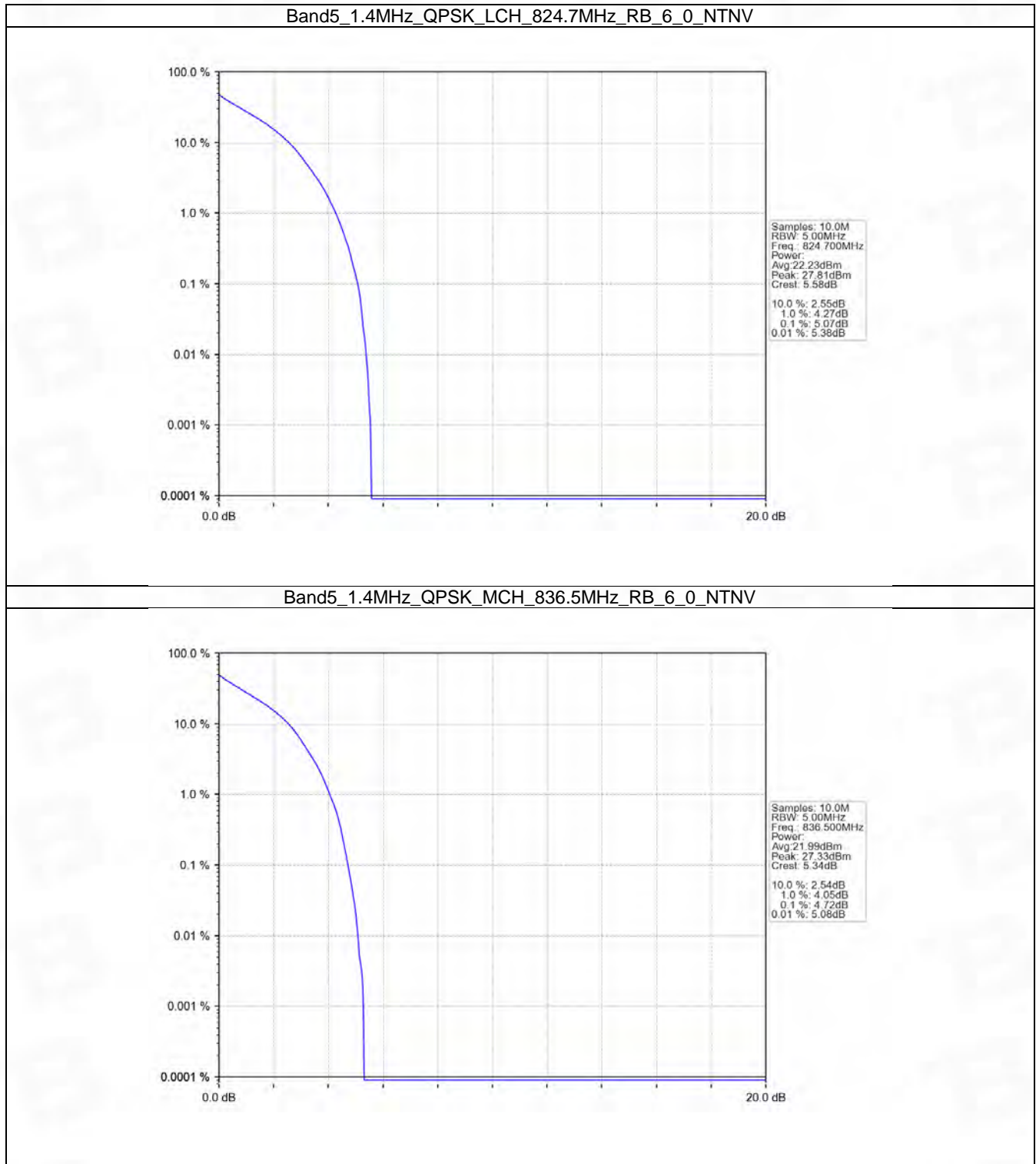
5. Peak-Average Ratio

5.1 B5_1.4MHz

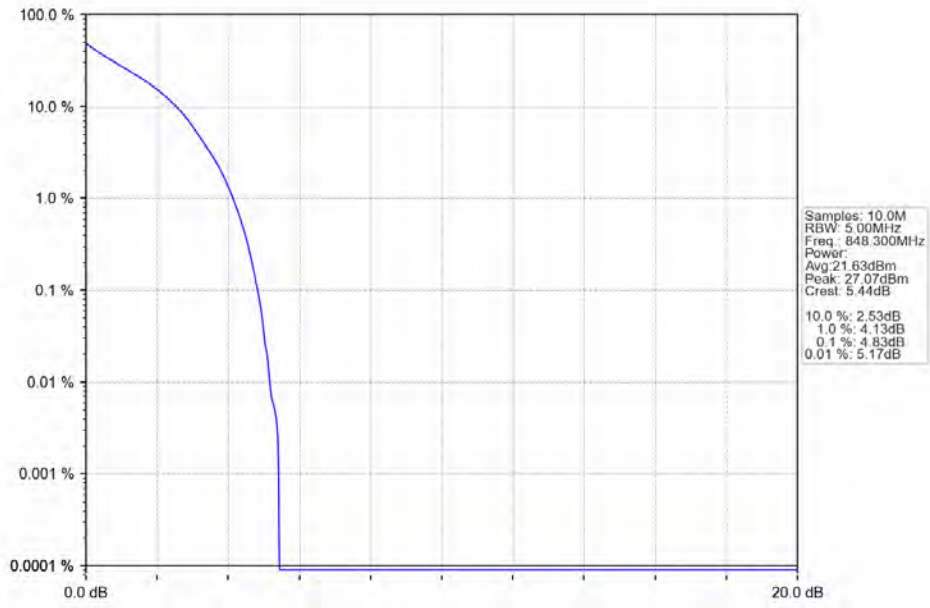
5.1.1 Test Result

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	5.07	<=13	Pass
	836.5	6	0	4.72	<=13	Pass
	848.3	6	0	4.83	<=13	Pass
16QAM	824.7	6	0	5.83	<=13	Pass
	836.5	6	0	5.53	<=13	Pass
	848.3	6	0	5.67	<=13	Pass

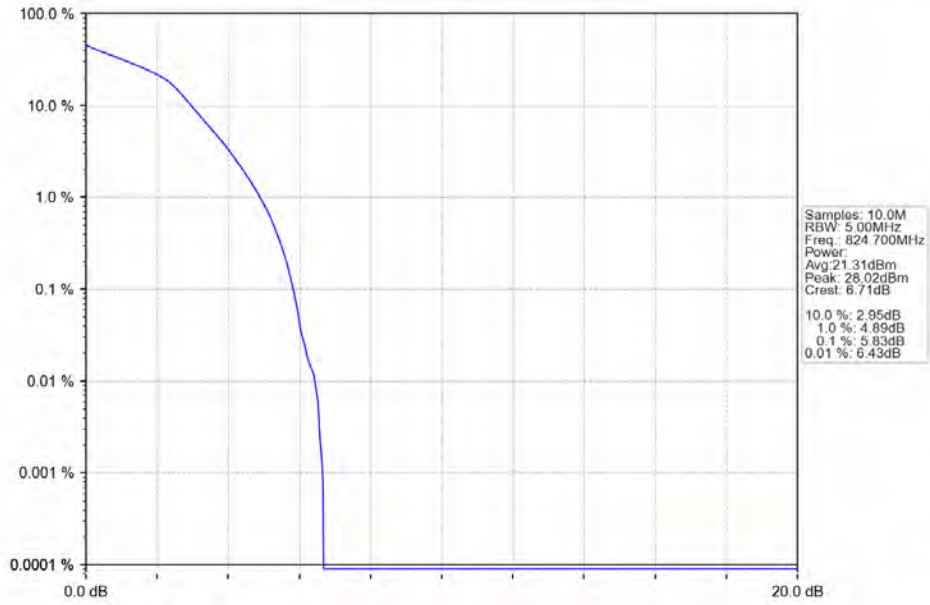
5.1.2 Test Graph



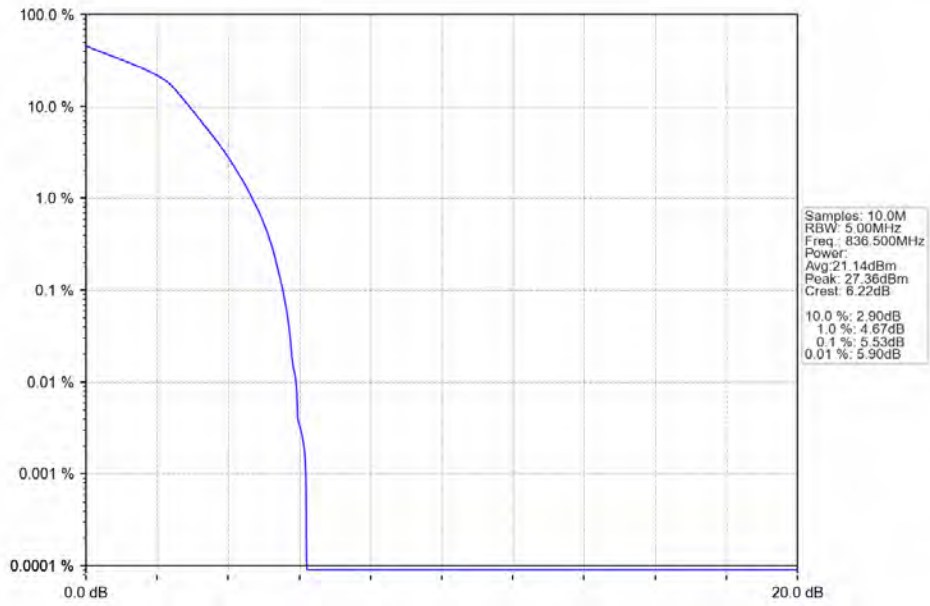
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



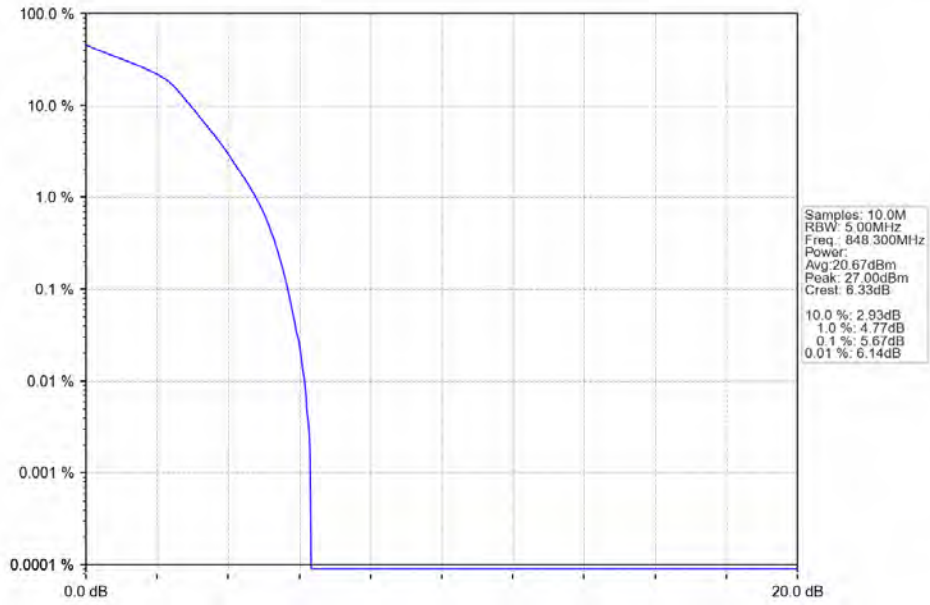
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

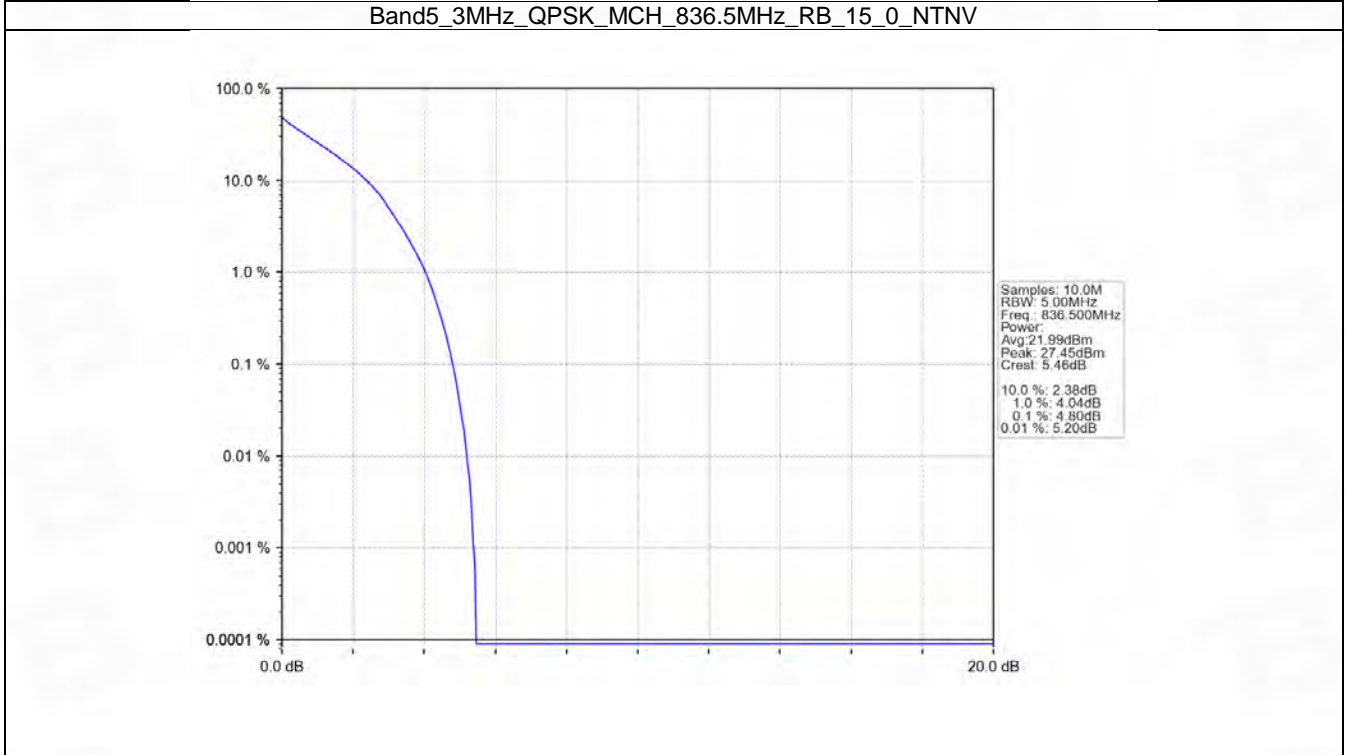


5.2 B5_3MHz

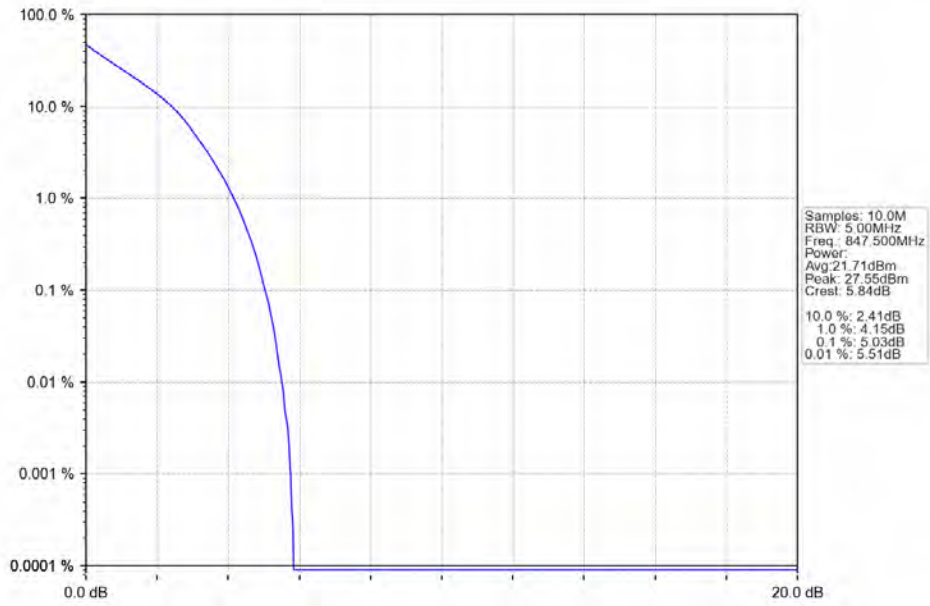
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.00	<=13	Pass
	836.5	15	0	4.80	<=13	Pass
	847.5	15	0	5.03	<=13	Pass
16QAM	825.5	15	0	5.83	<=13	Pass
	836.5	15	0	5.62	<=13	Pass
	847.5	15	0	5.88	<=13	Pass

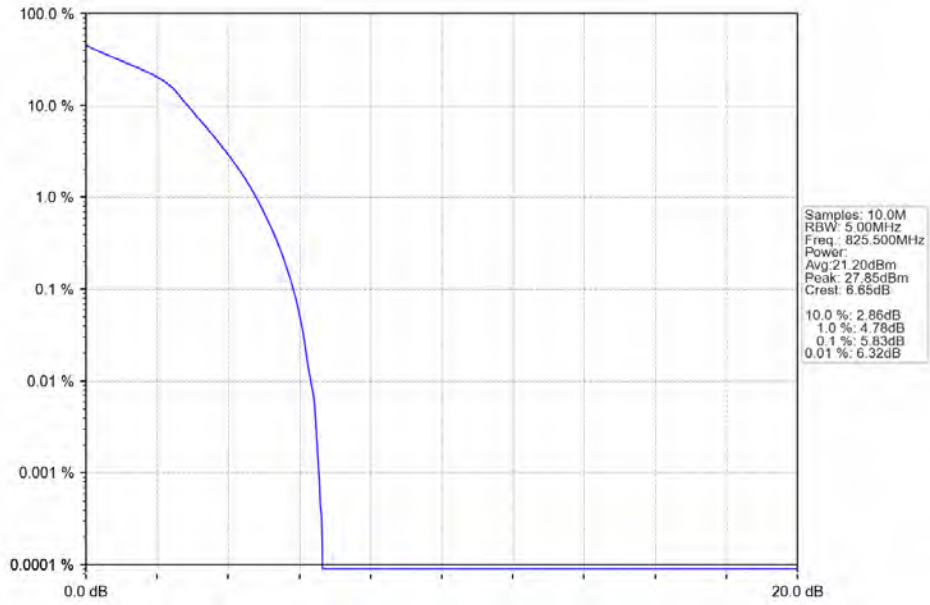
5.2.2 Test Graph



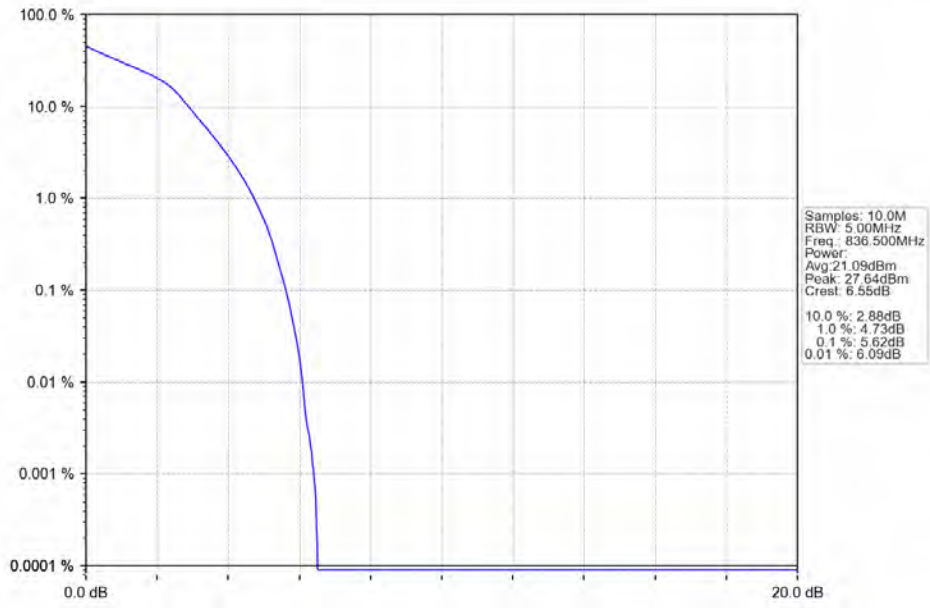
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



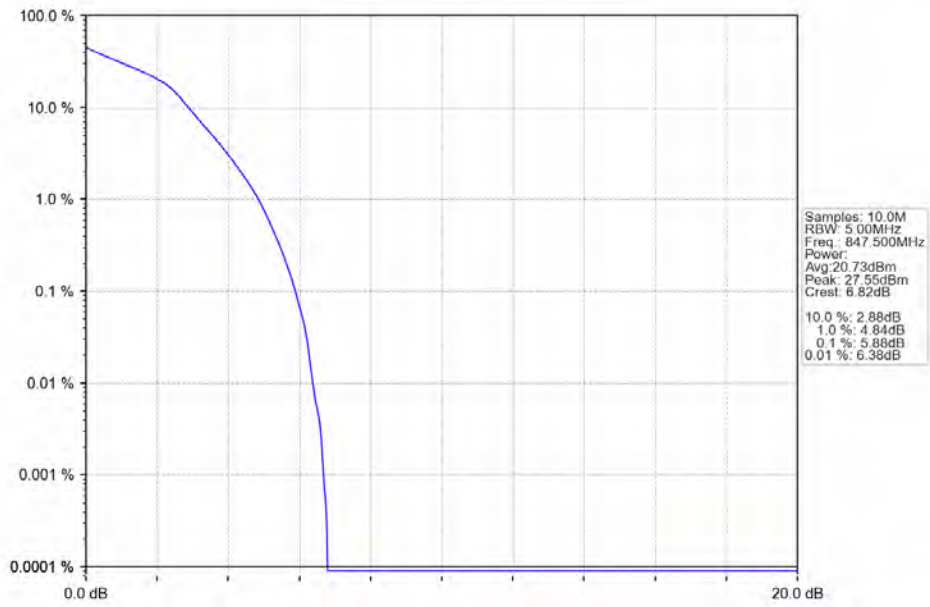
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

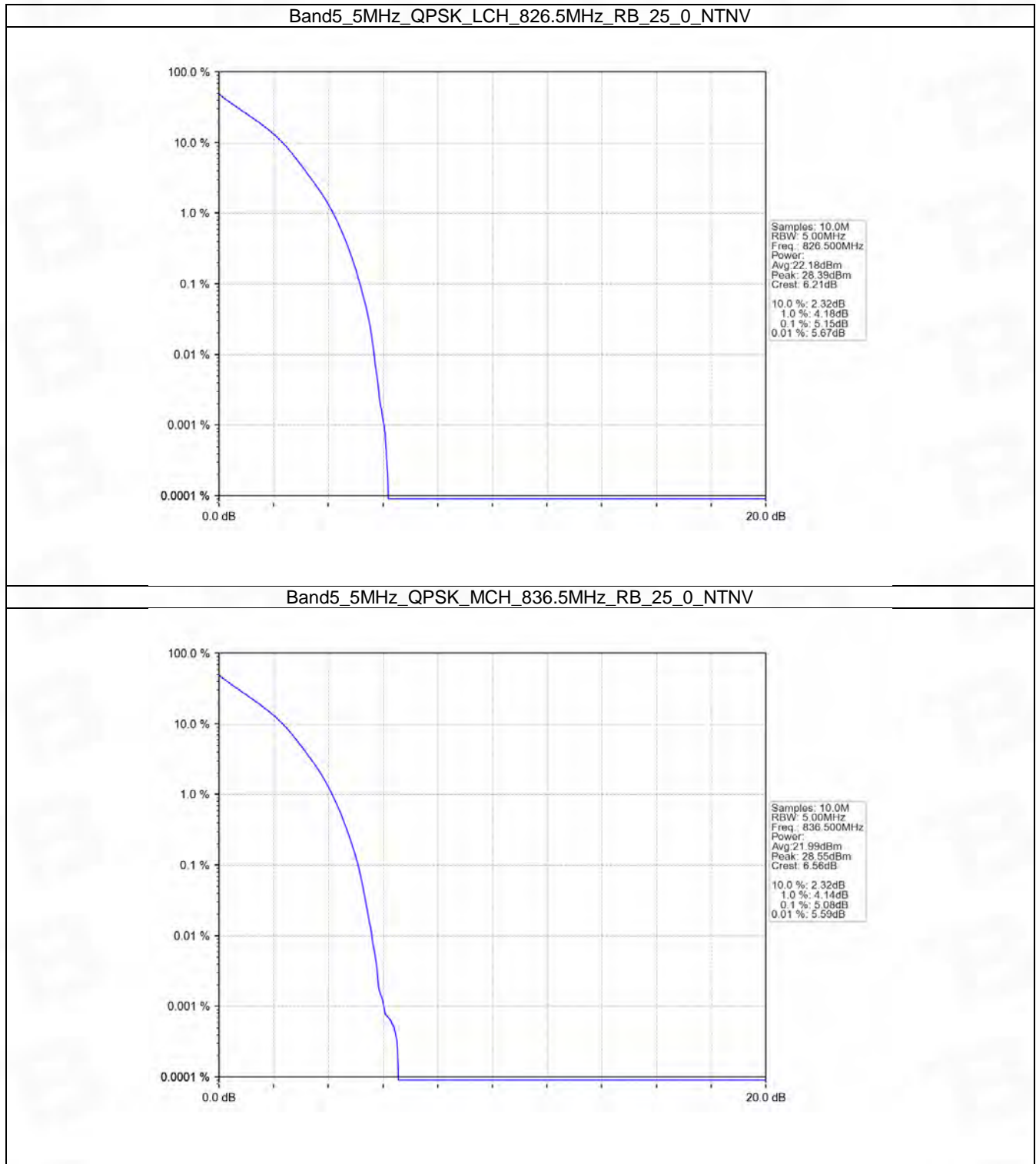


5.3 B5_5MHz

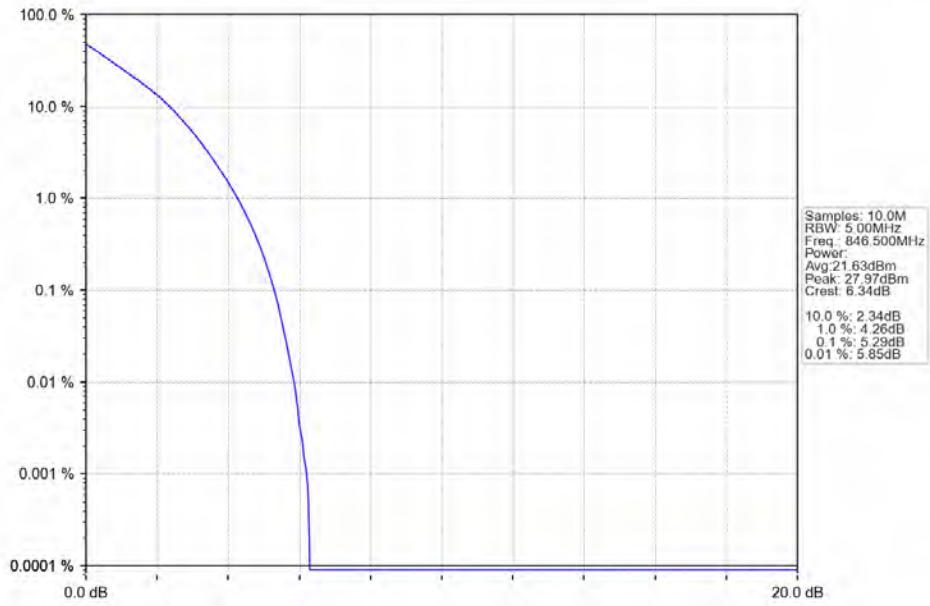
5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.15	<=13	Pass
	836.5	25	0	5.08	<=13	Pass
	846.5	25	0	5.29	<=13	Pass
16QAM	826.5	25	0	5.75	<=13	Pass
	836.5	25	0	5.81	<=13	Pass
	846.5	25	0	5.97	<=13	Pass

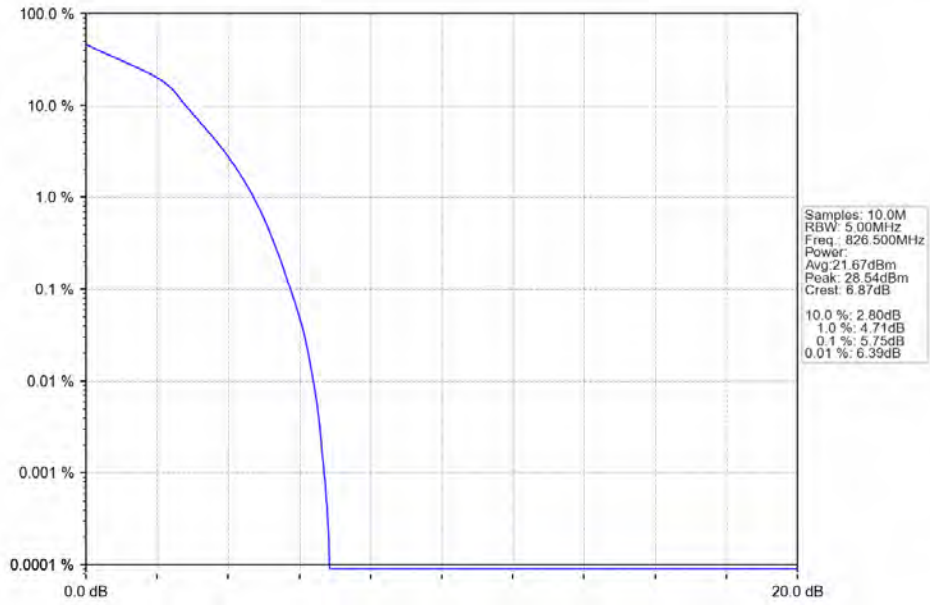
5.3.2 Test Graph



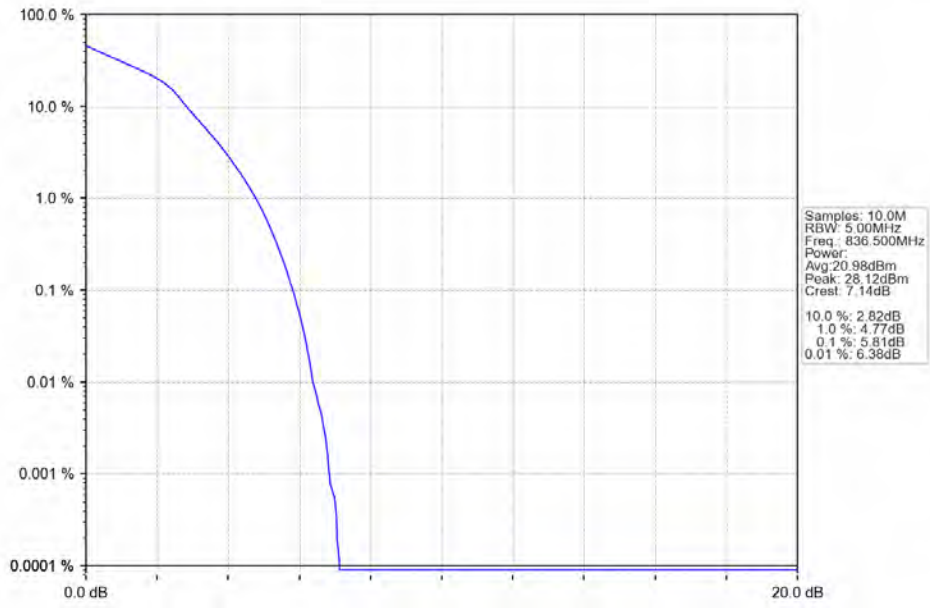
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



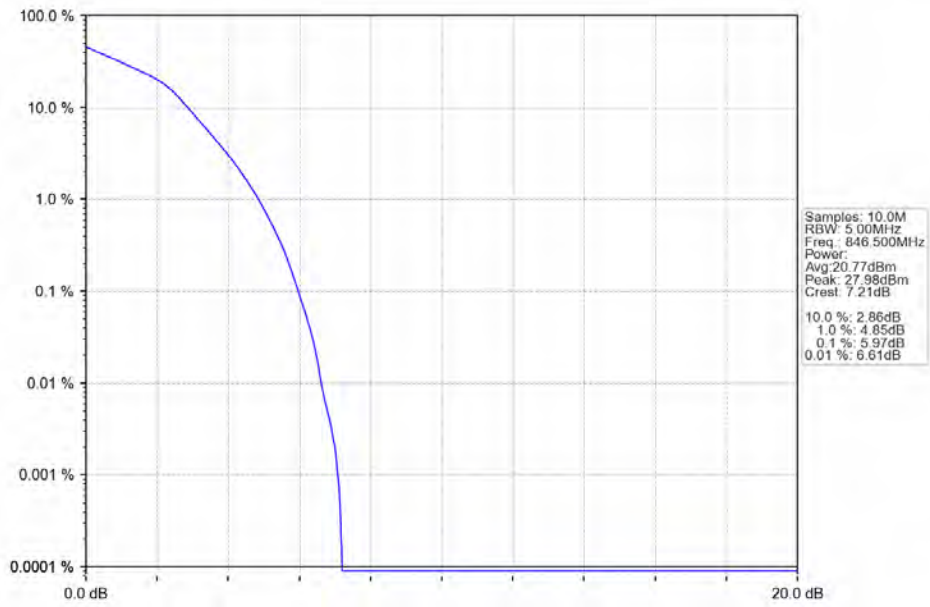
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

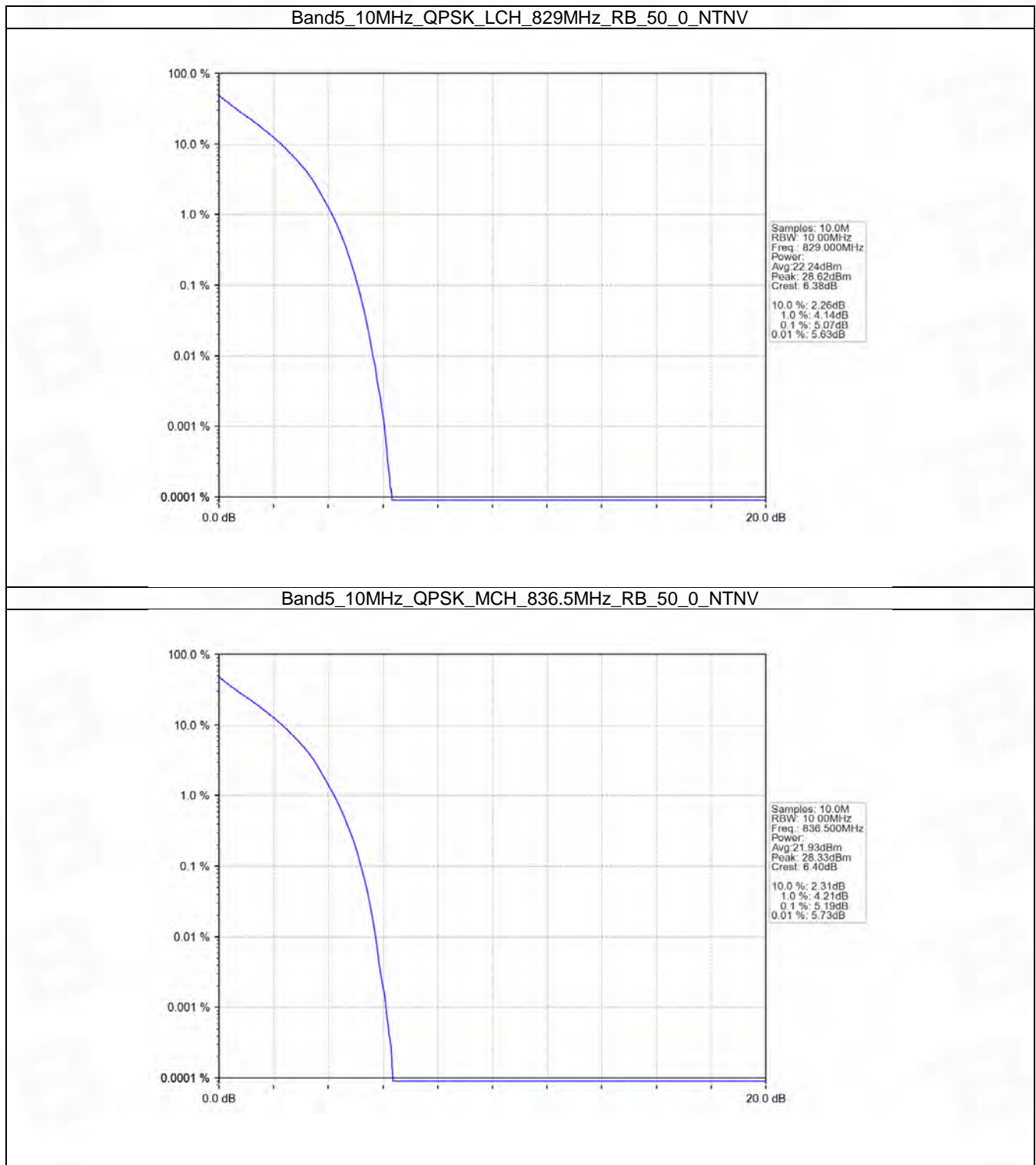


5.4 B5_10MHz

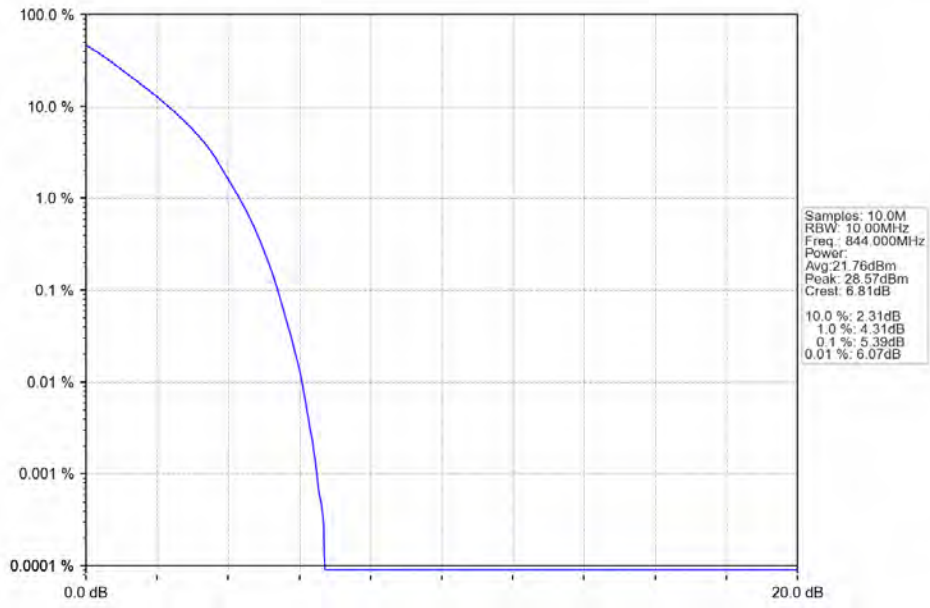
5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.07	<=13	Pass
	836.5	50	0	5.19	<=13	Pass
	844	50	0	5.39	<=13	Pass
16QAM	829	50	0	5.79	<=13	Pass
	836.5	50	0	5.94	<=13	Pass
	844	50	0	6.10	<=13	Pass

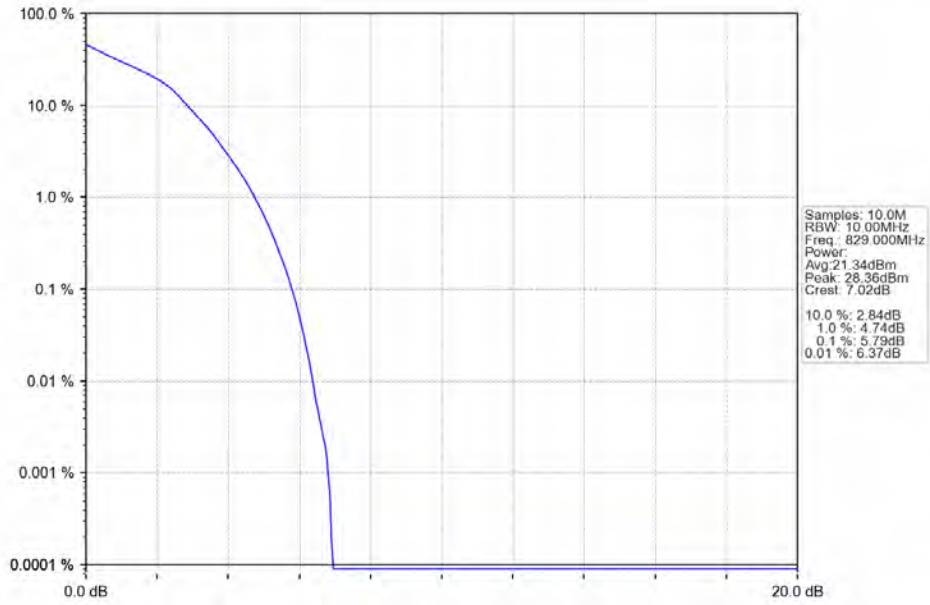
5.4.2 Test Graph



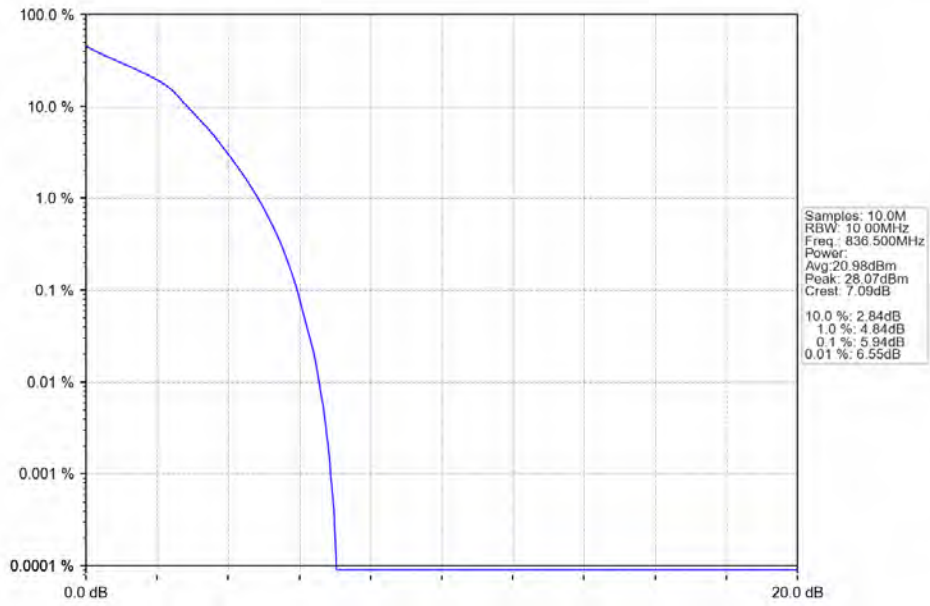
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



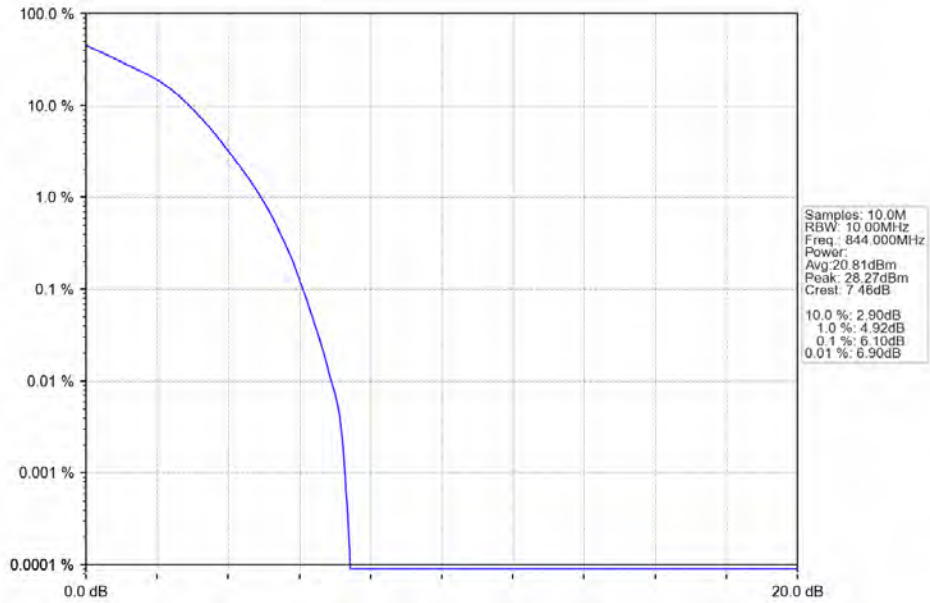
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



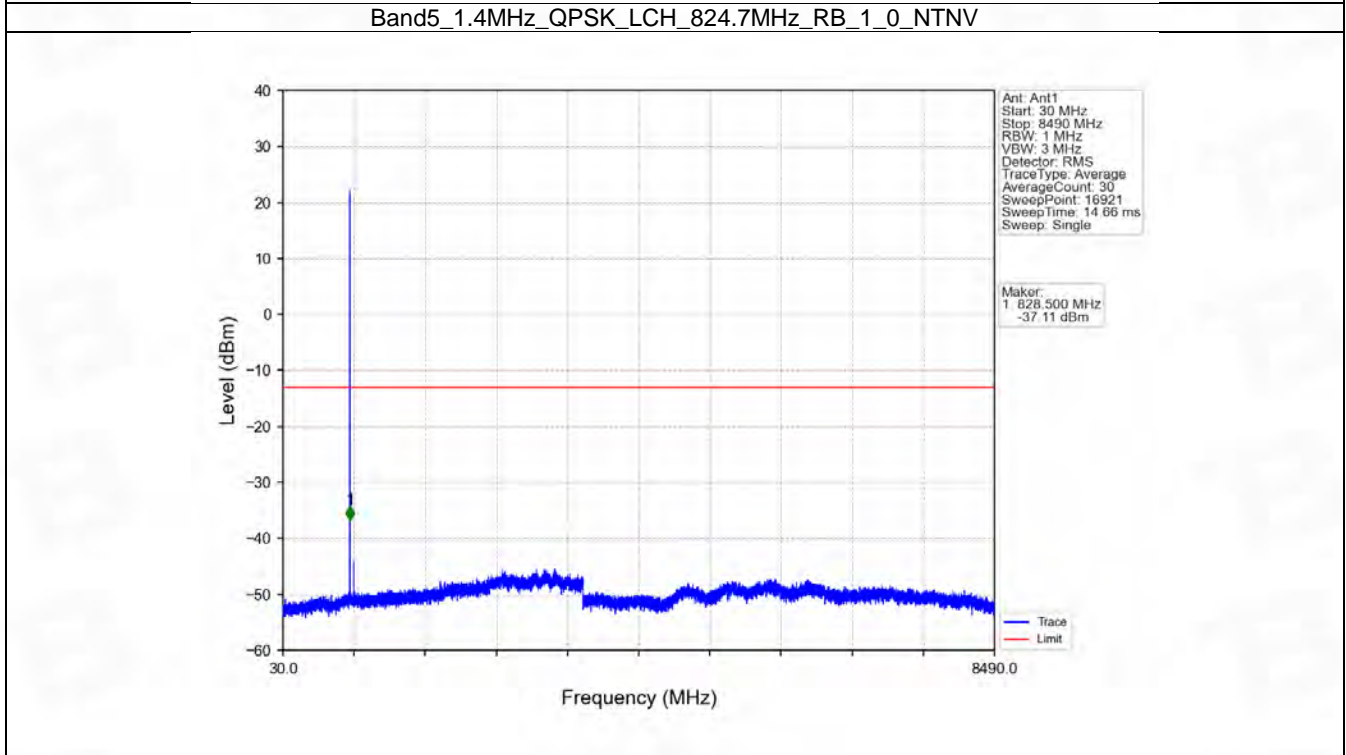
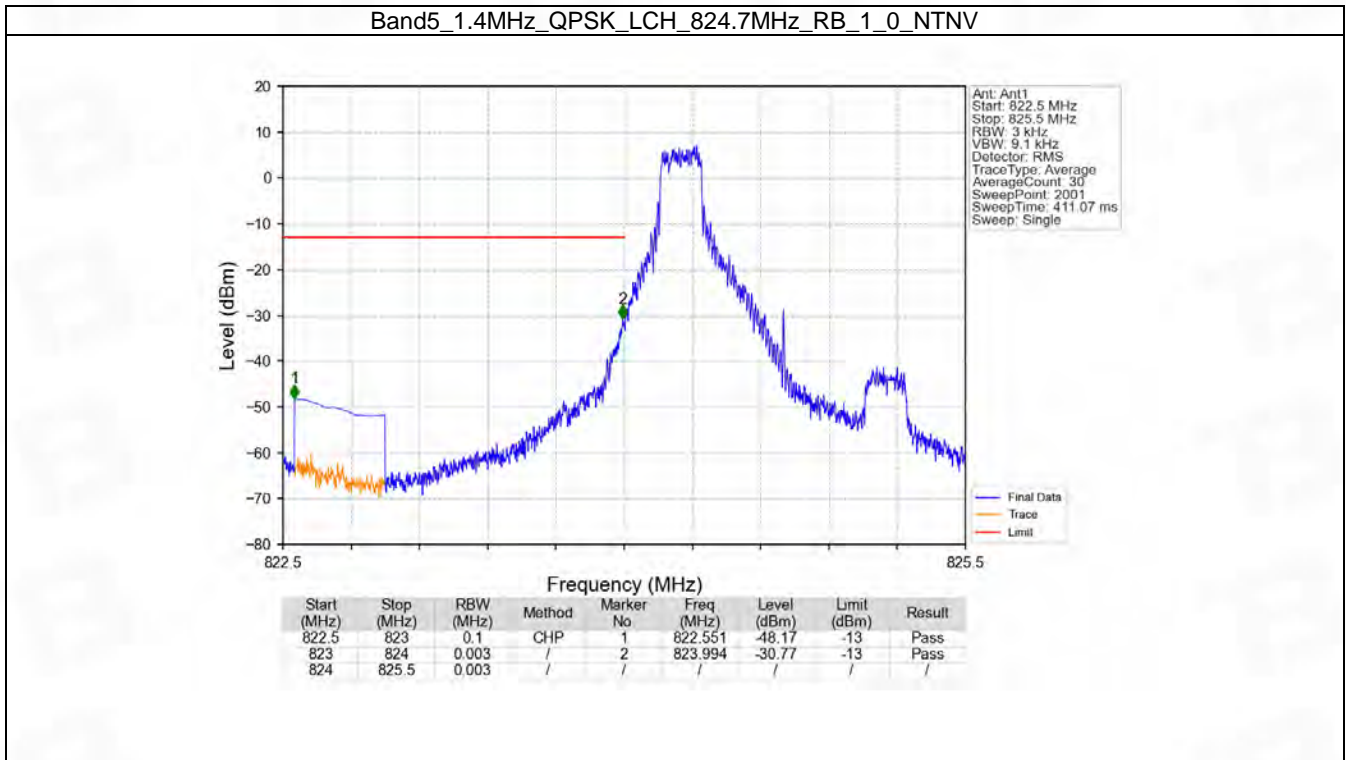
6. Spurious Emission

6.1 B5_1.4MHz

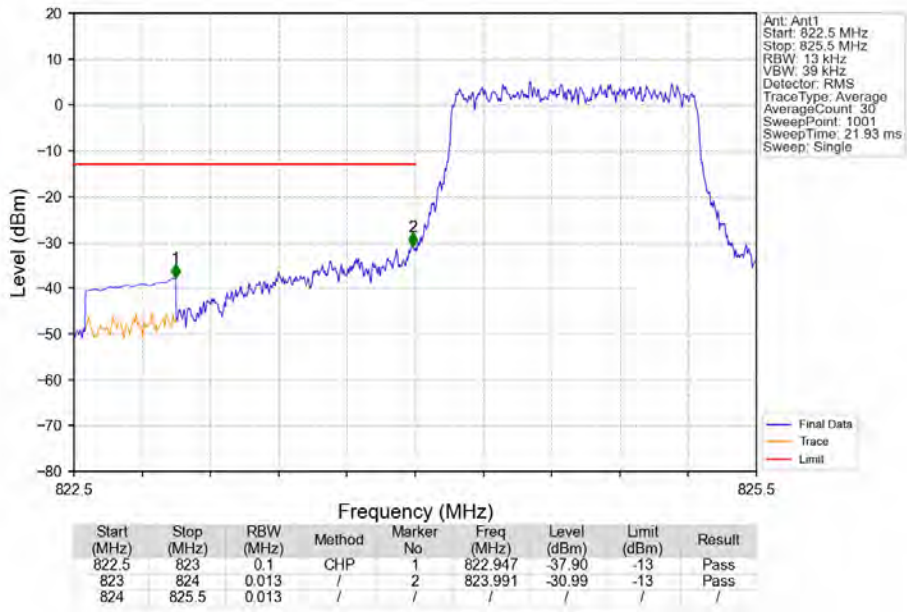
6.1.1 Test Result

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

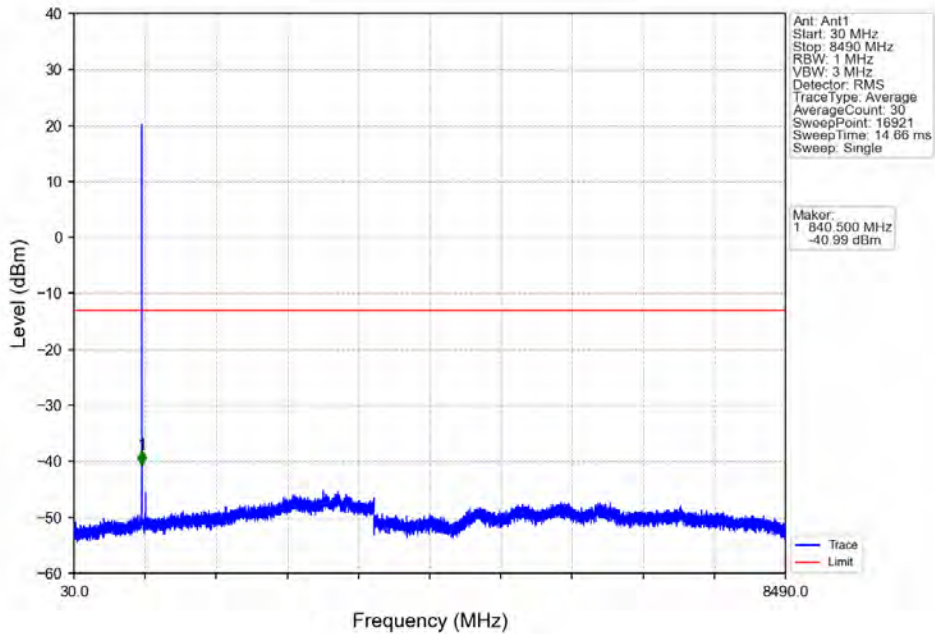
6.1.2 Test Graph



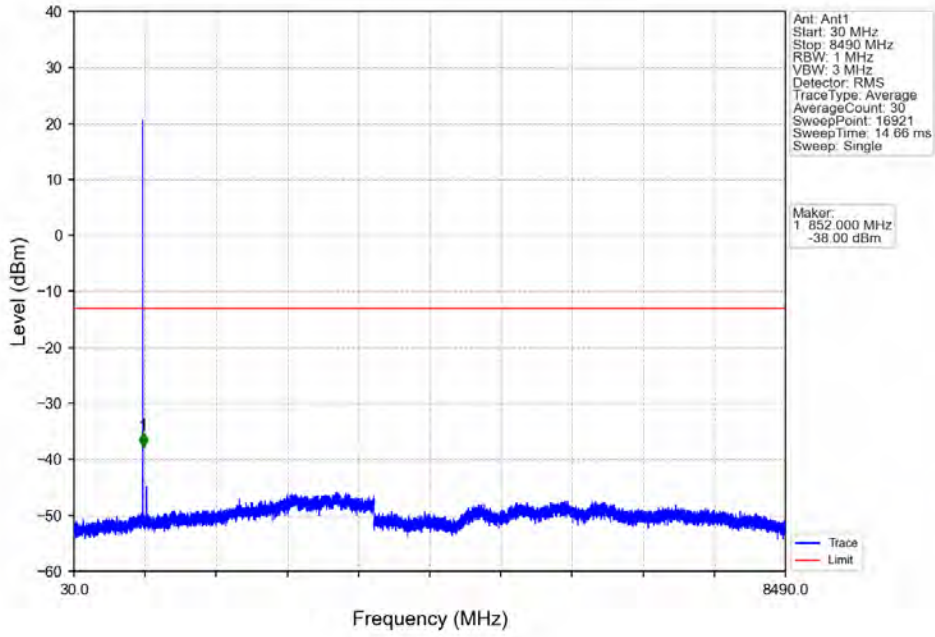
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



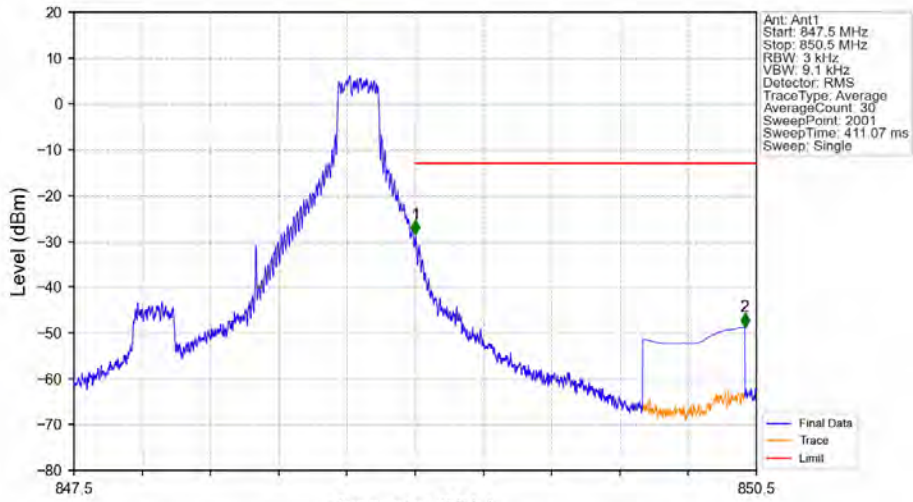
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

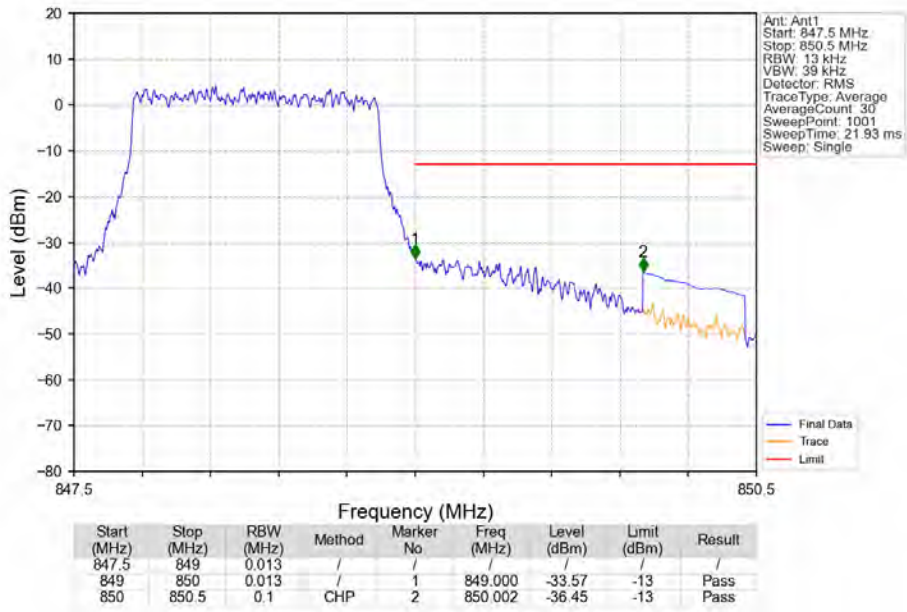


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV

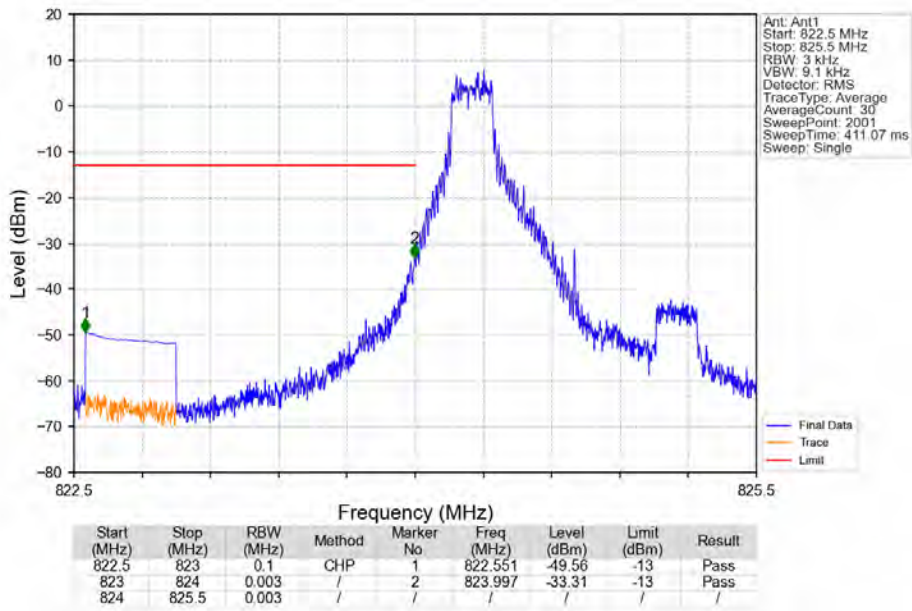


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-28.57	-13	Pass
850	850.5	0.1	CHP	2	850.449	-48.72	-13	Pass

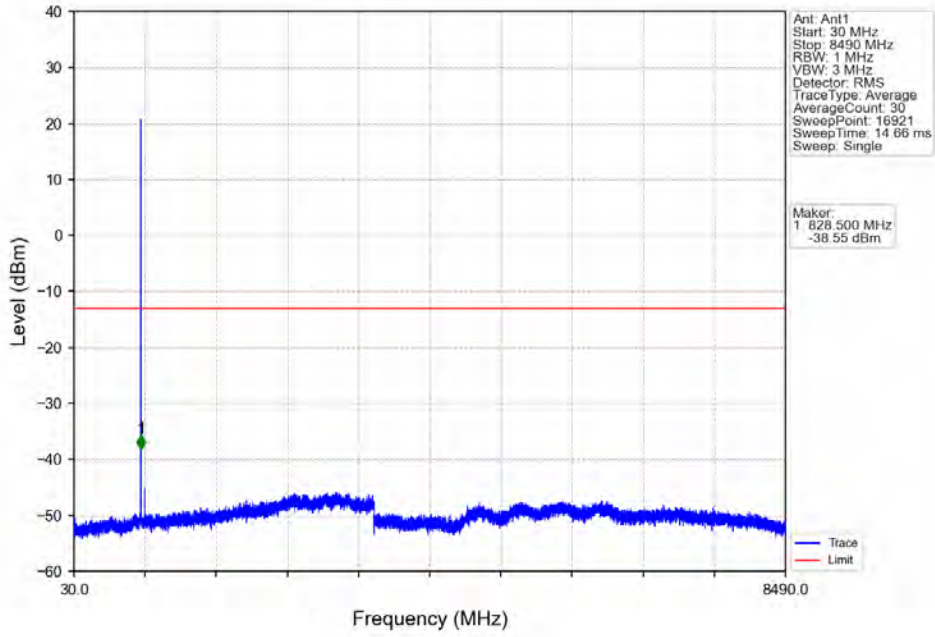
Band5 1.4MHz QPSK HCH 848.3MHz RB 6.0 NTNV



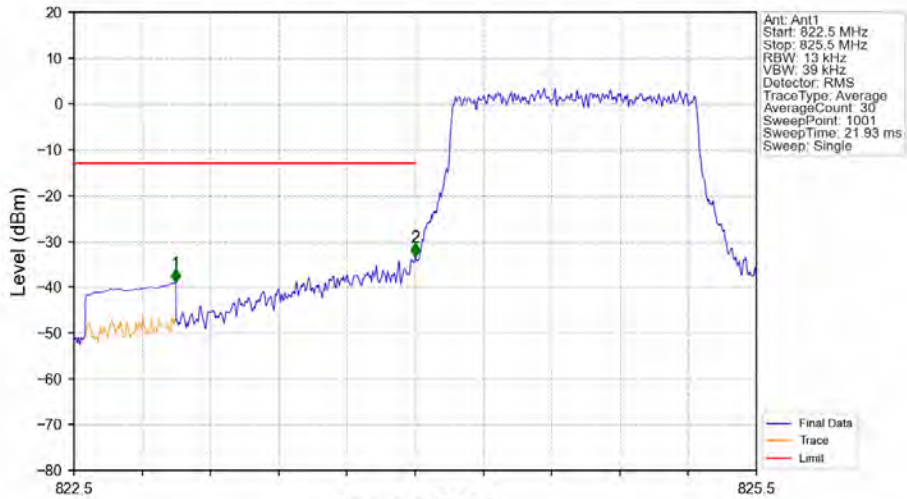
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

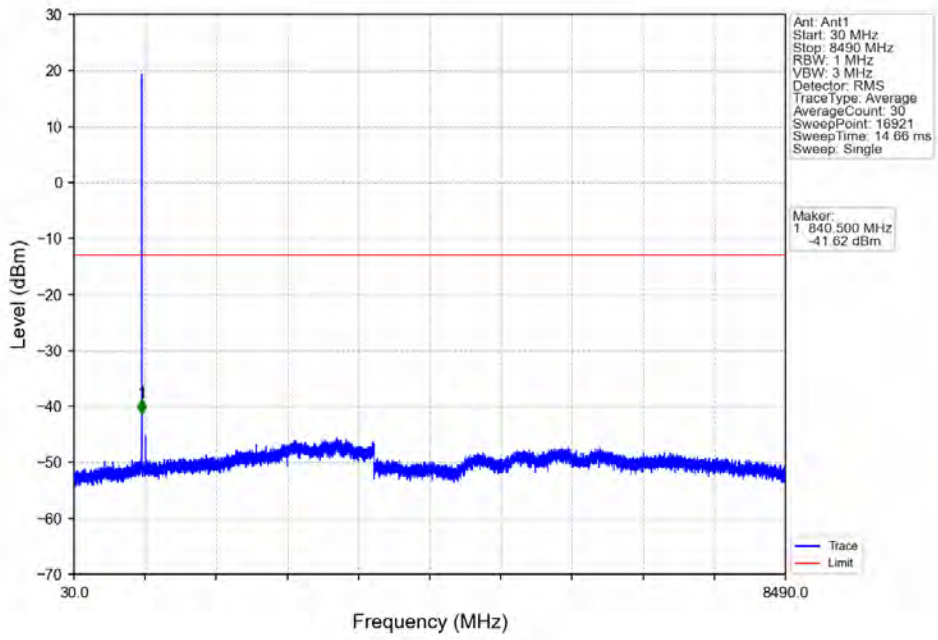


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

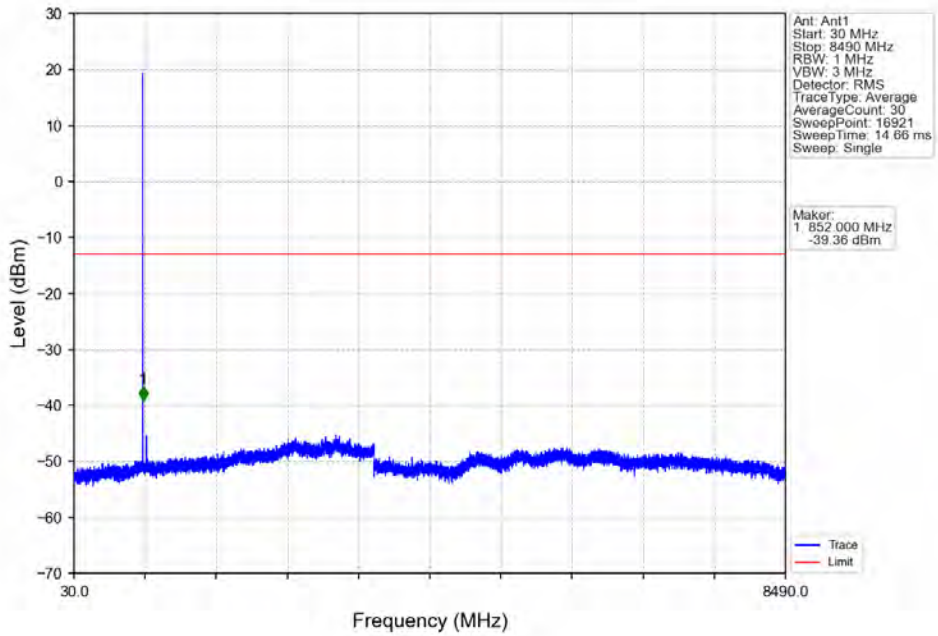


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.947	-39.13	-13	Pass
823	824	0.013	/	2	824.000	-33.46	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

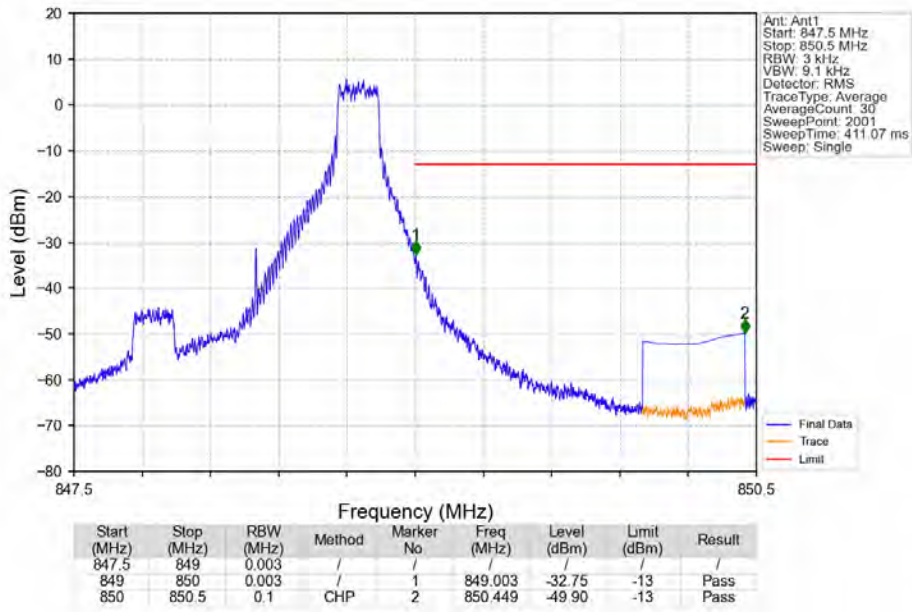
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



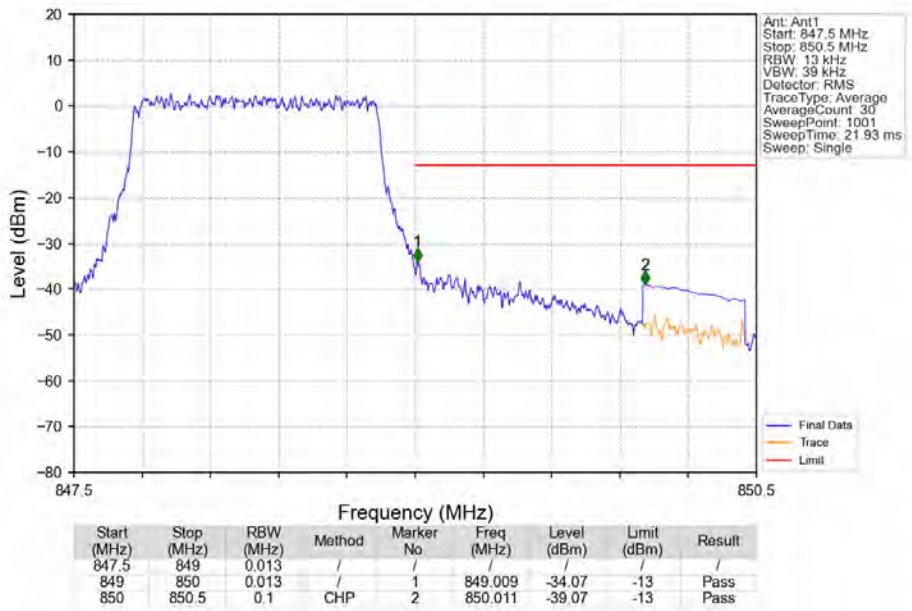
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

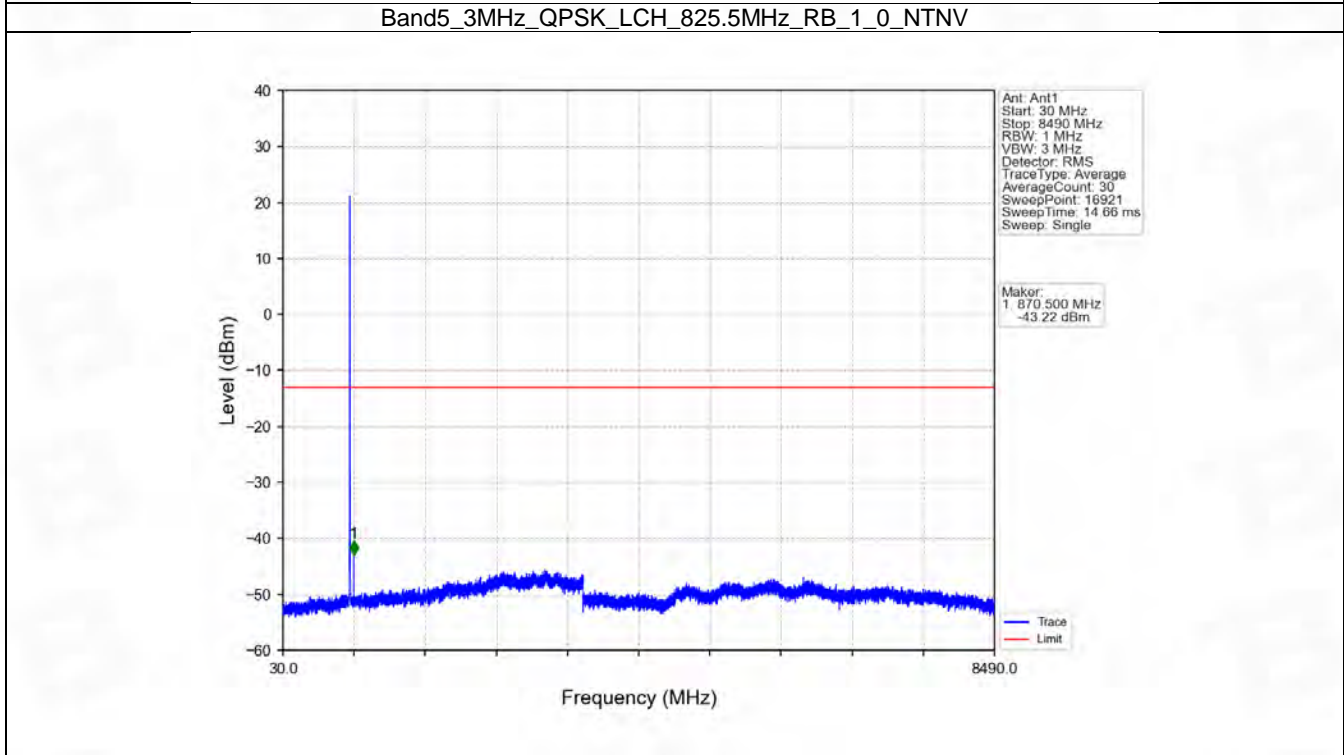
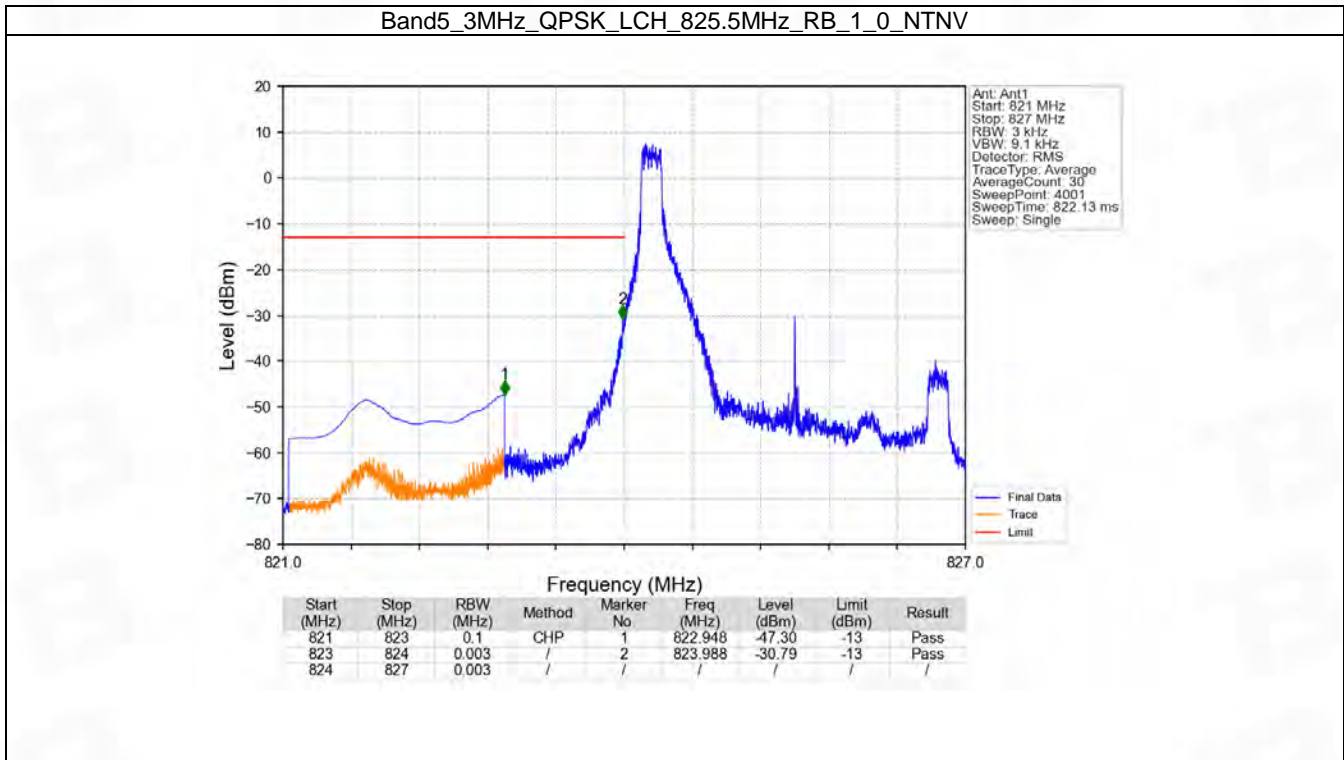


6.2 B5_3MHz

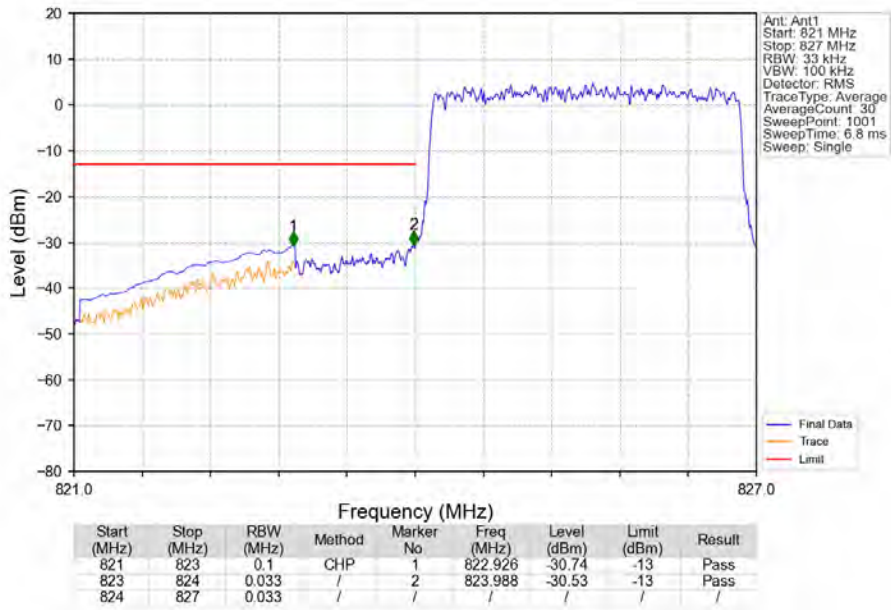
6.2.1 Test Result

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
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
			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
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

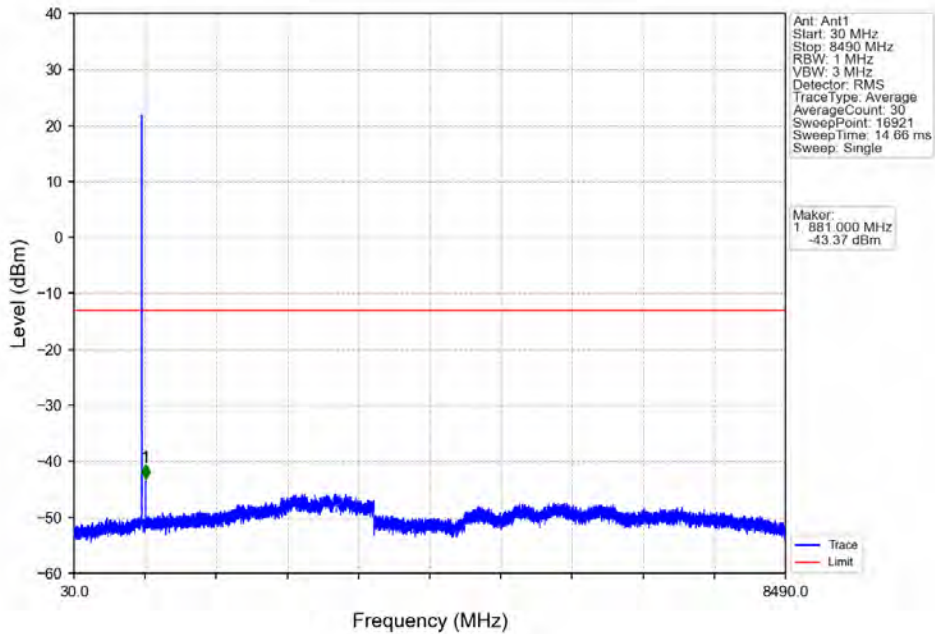
6.2.2 Test Graph



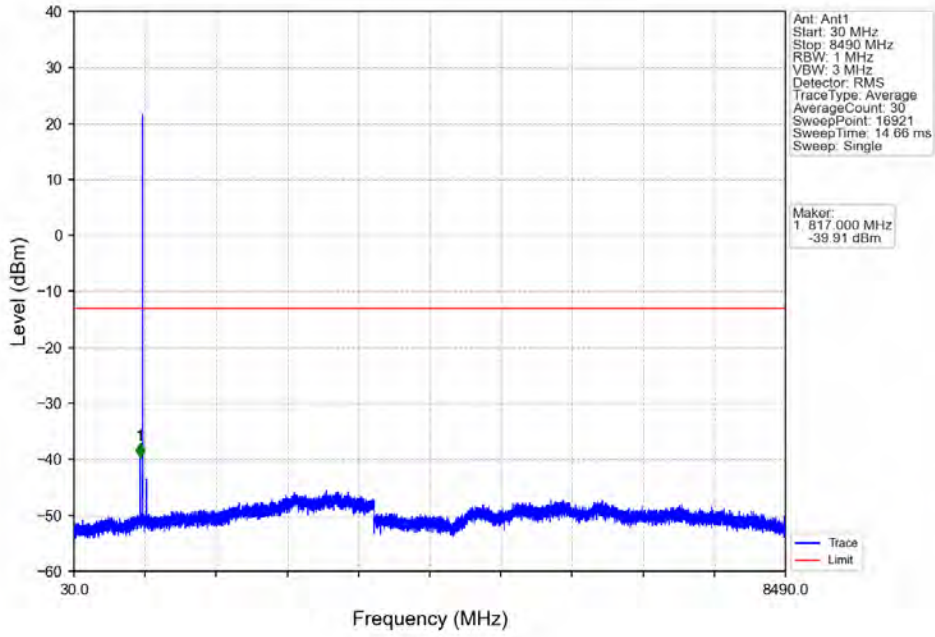
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



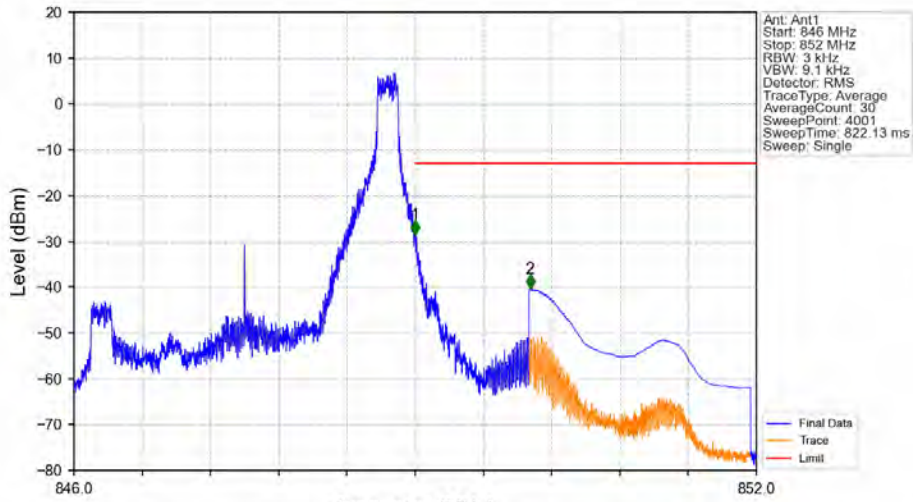
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

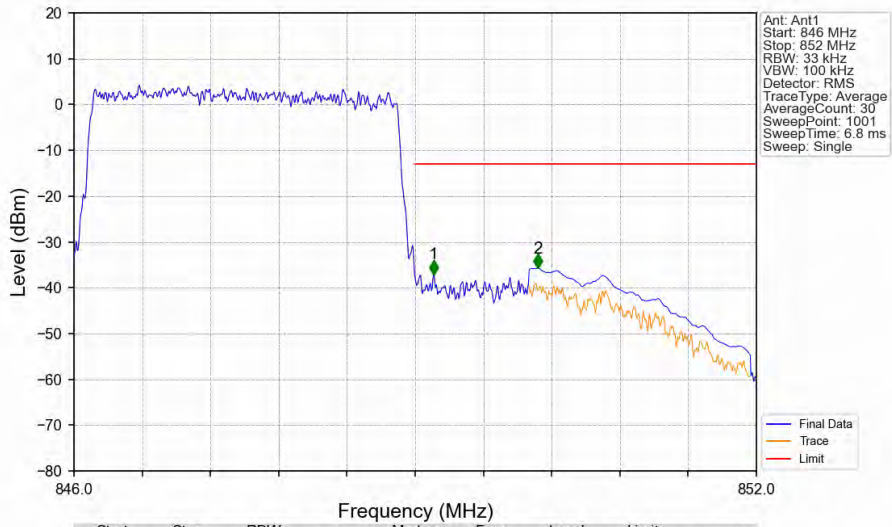


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



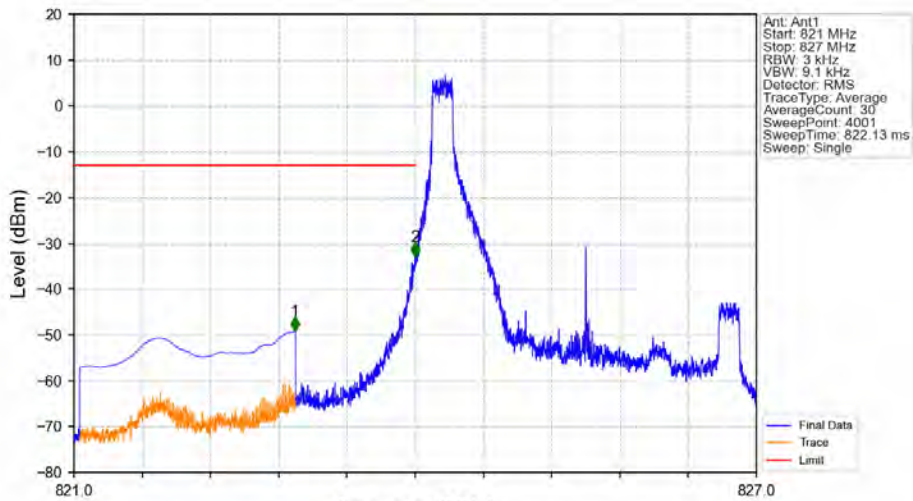
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	1	849.000	-28.54	-13	Pass
849	850	0.003	/	1	849.000	-28.54	-13	Pass
850	852	0.1	CHP	2	850.011	-40.36	-13	Pass

Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



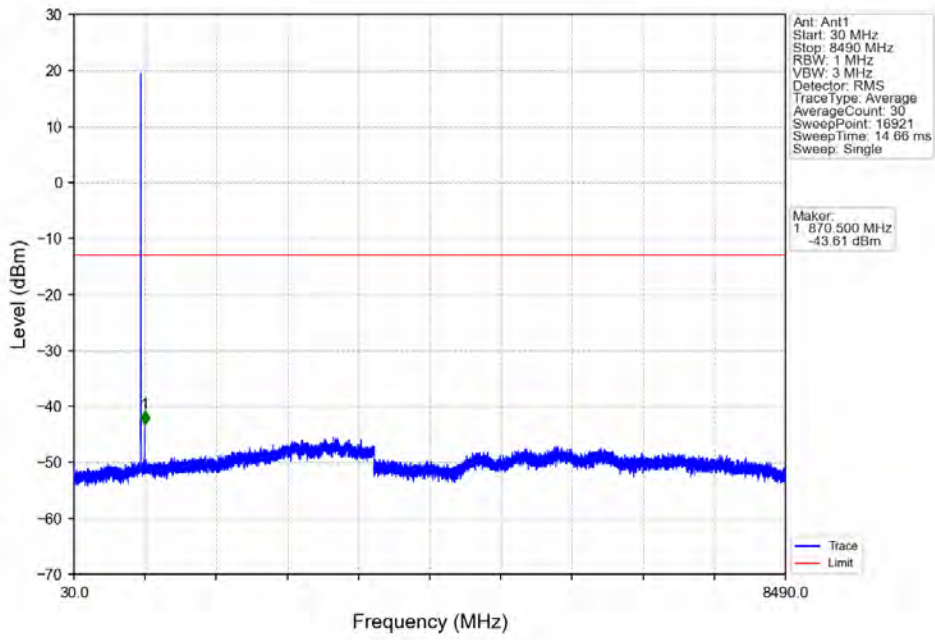
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.033	/	/	/	/	/	/
849	850	0.033	/	1	849.162	-37.08	-13	Pass
850	852	0.1	CHP	2	850.080	-35.69	-13	Pass

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

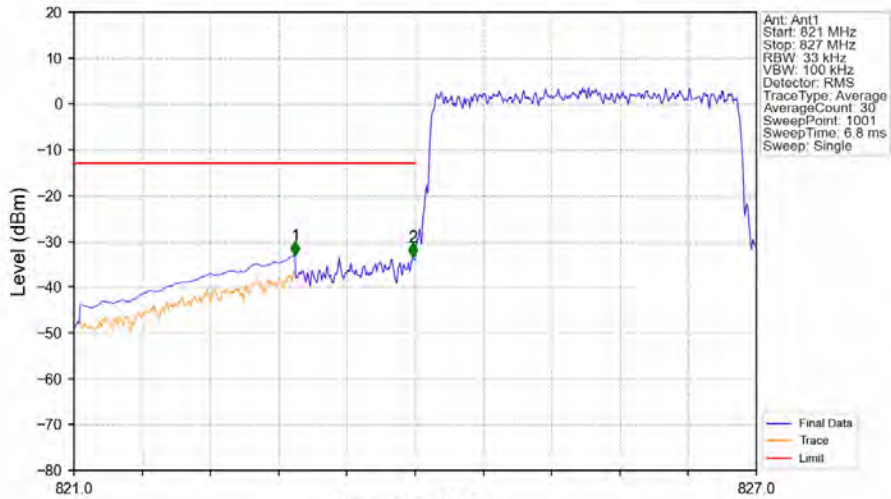


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.941	-49.18	-13	Pass
823	824	0.003	/	2	823.999	-32.85	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

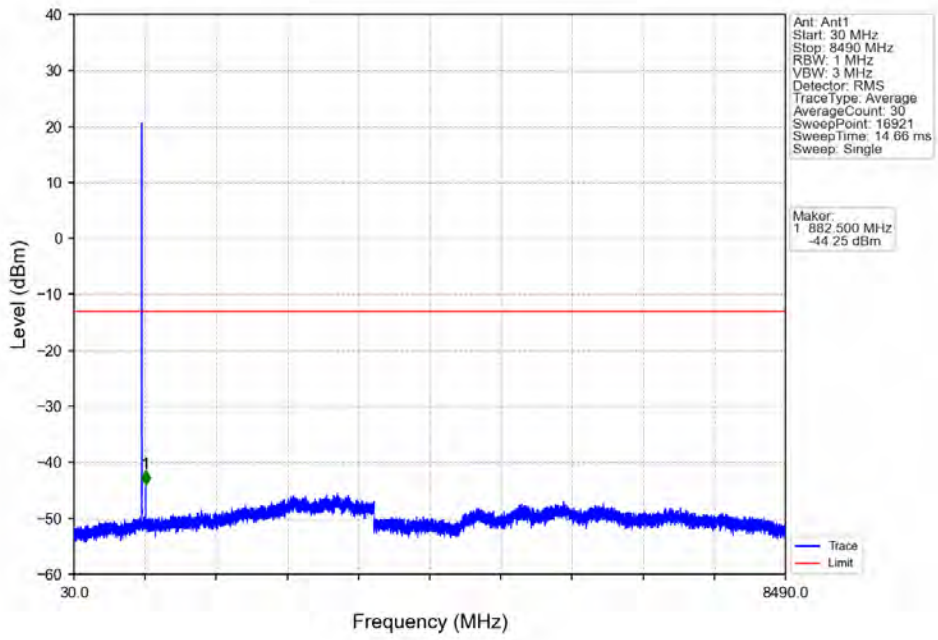


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

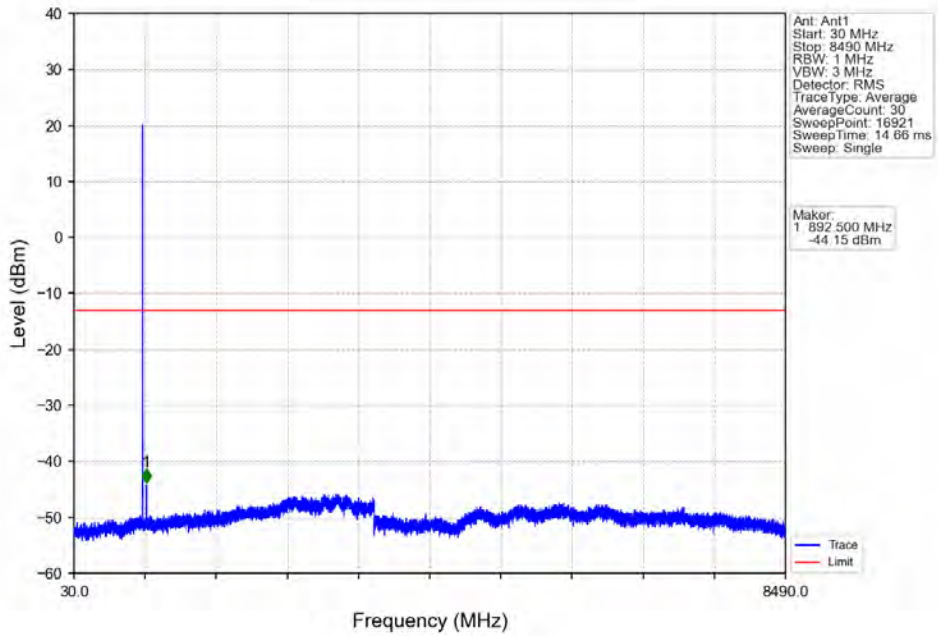


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-33.06	-13	Pass
823	824	0.033	/	2	823.982	-33.43	-13	Pass
824	827	0.033	/	/	/	/	/	/

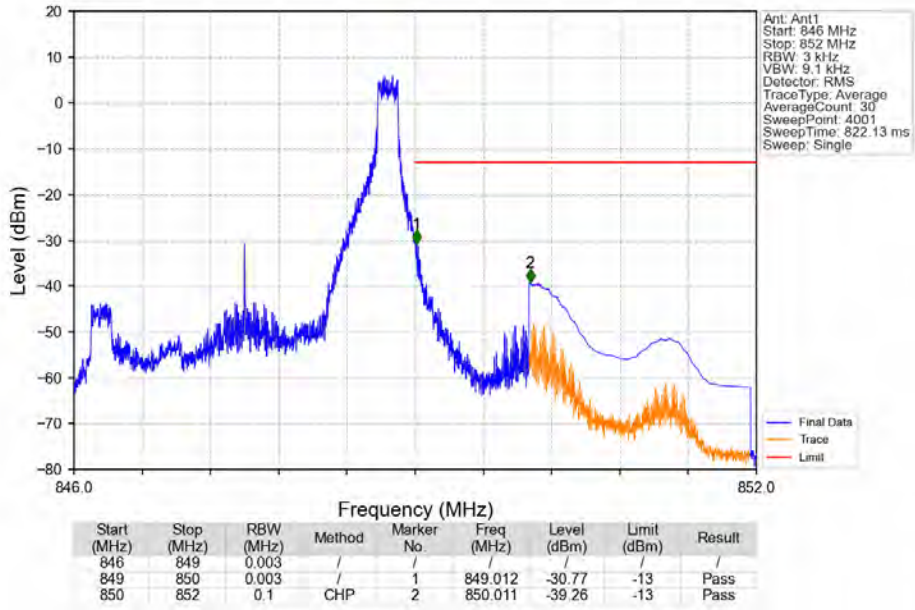
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



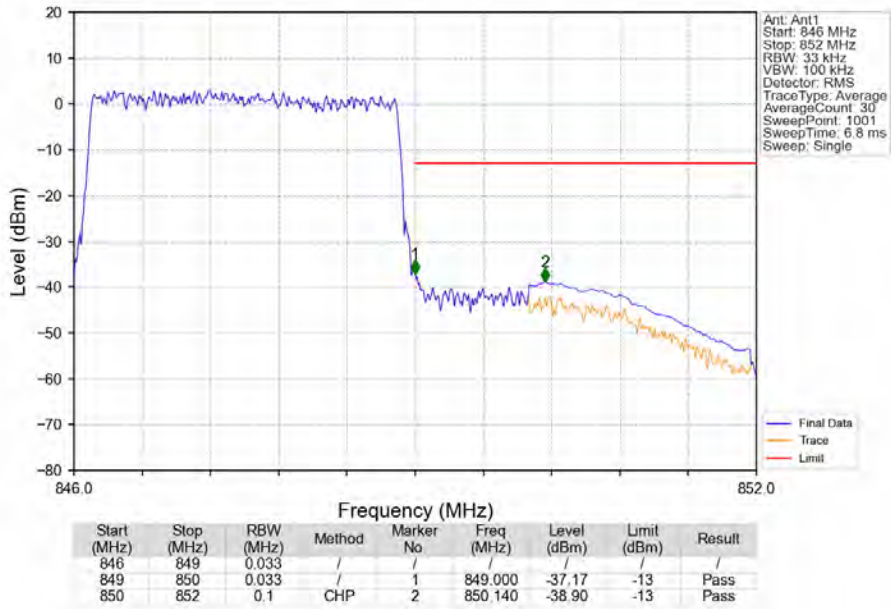
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

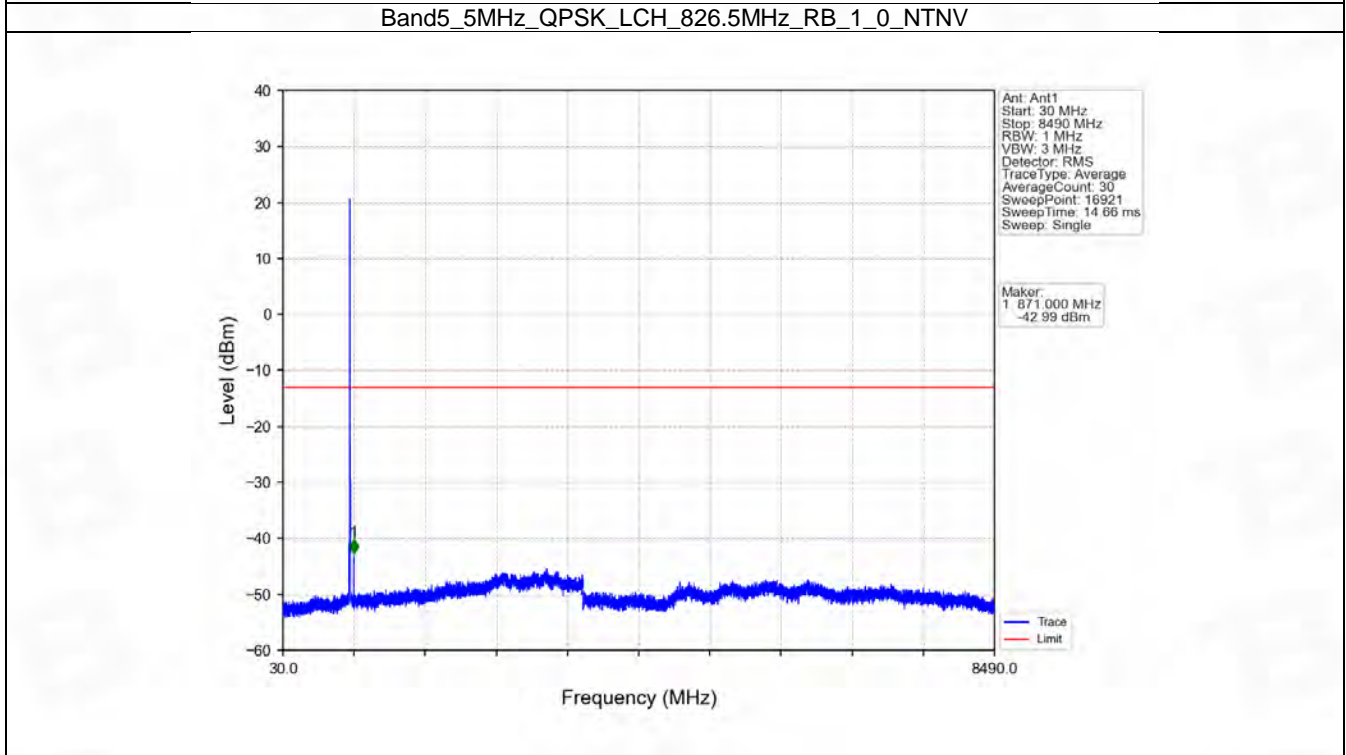
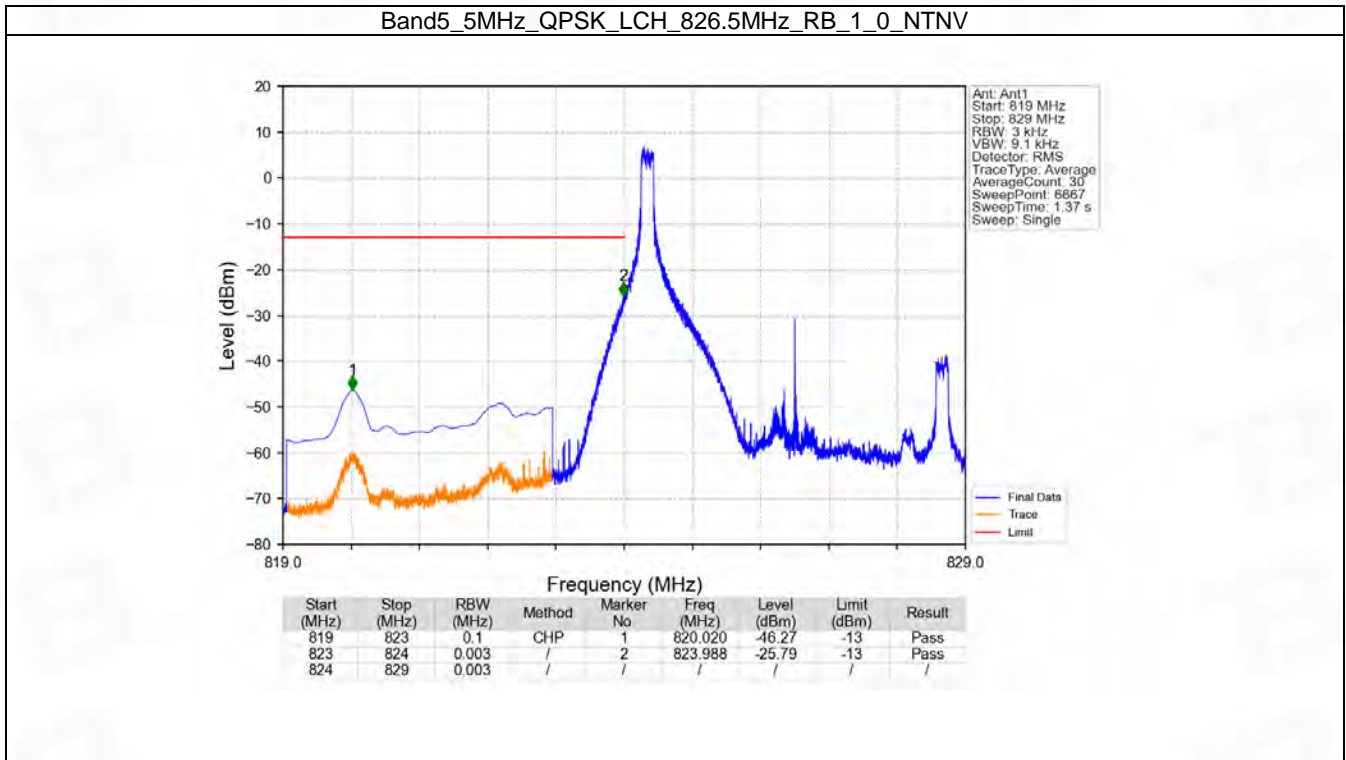


6.3 B5_5MHz

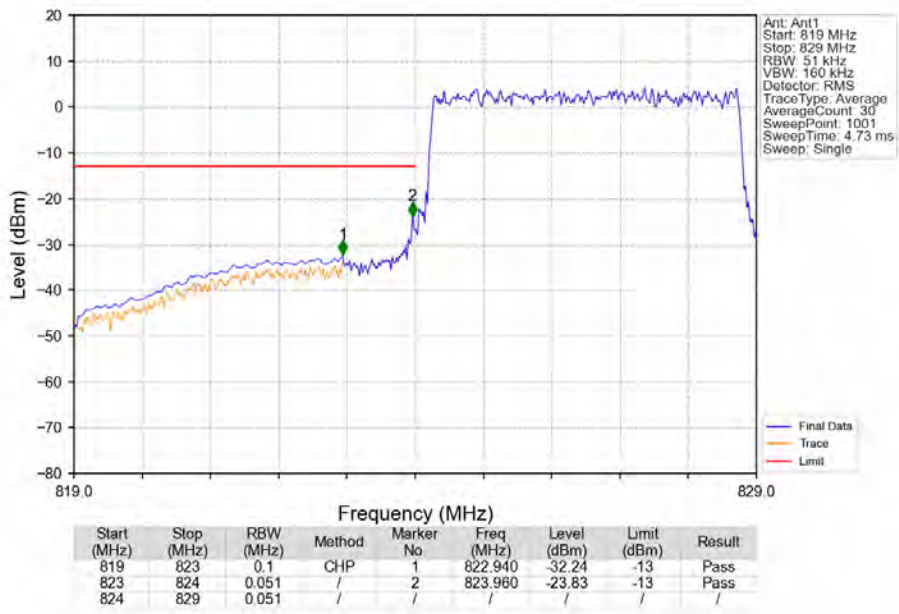
6.3.1 Test Result

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

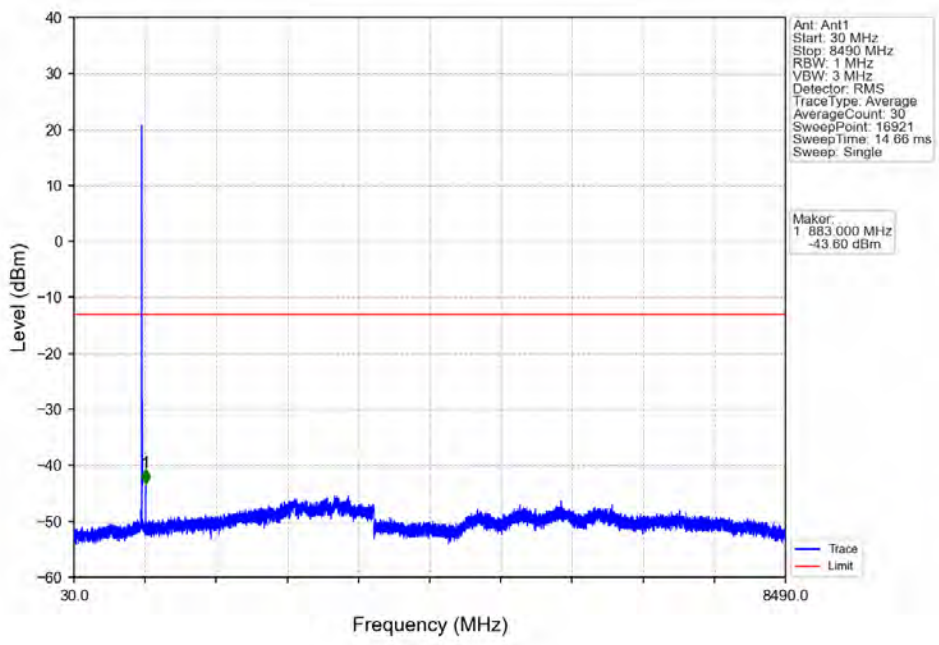
6.3.2 Test Graph



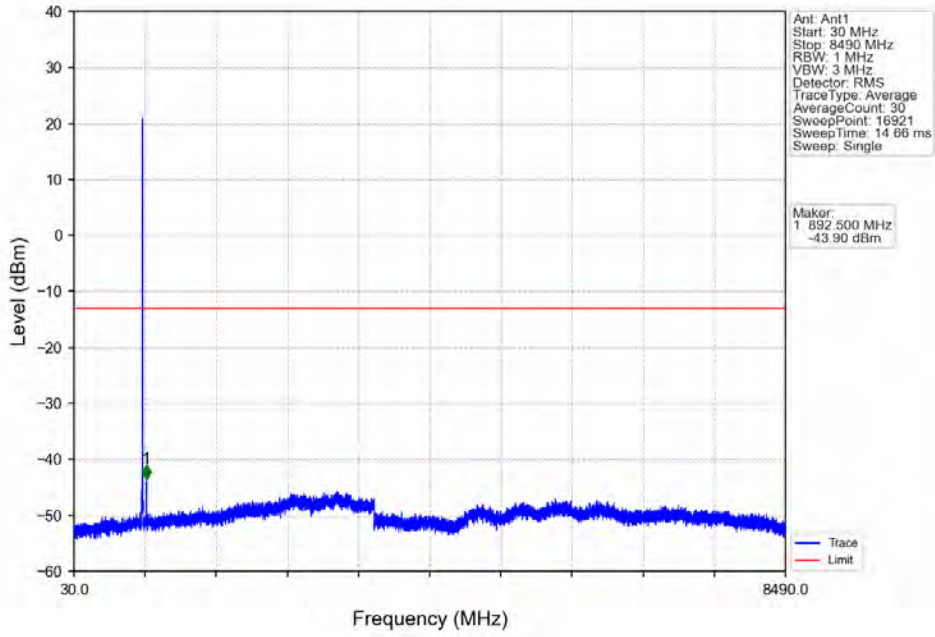
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



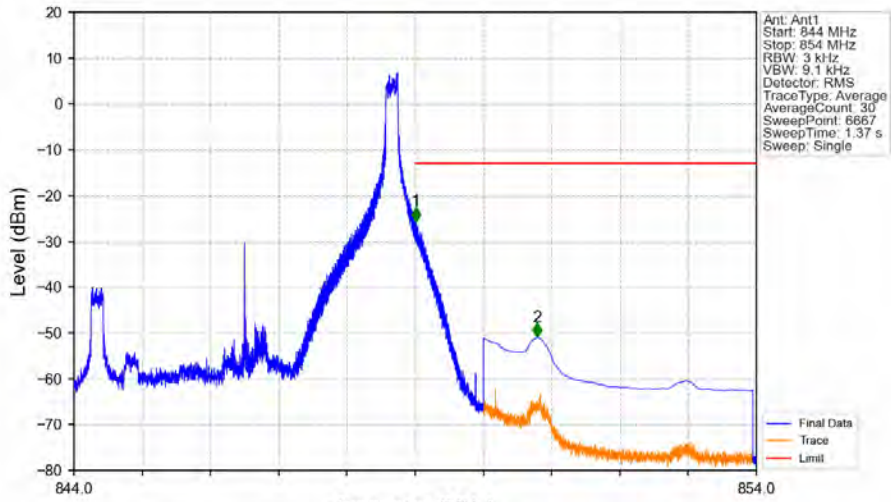
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

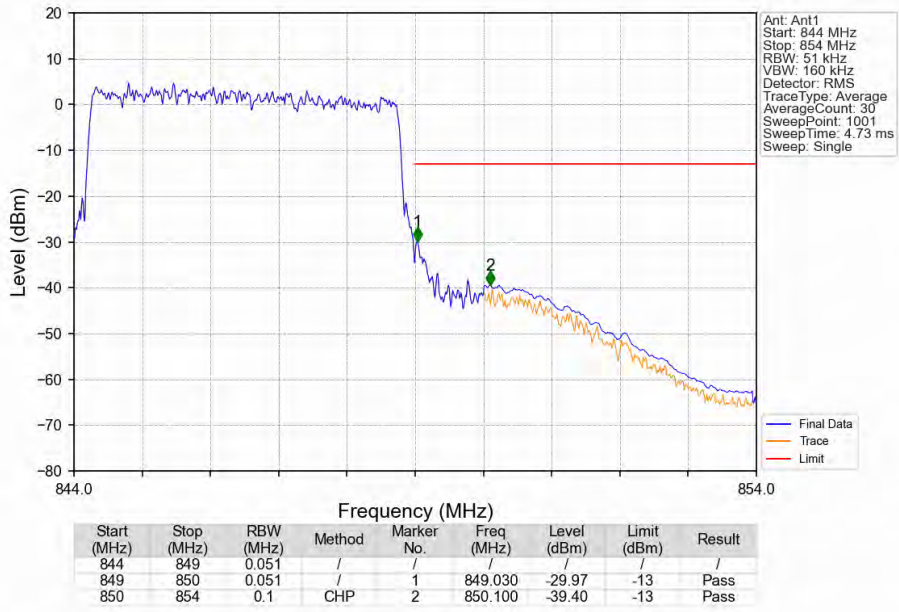


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV

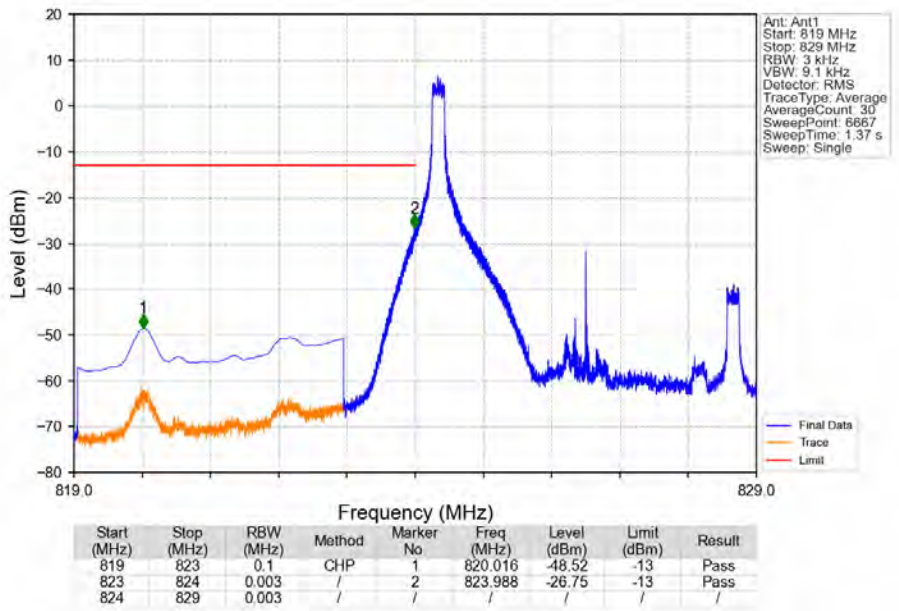


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	1	849.009	-25.62	-13	Pass
849	850	0.003	/	1	849.009	-25.62	-13	Pass
850	854	0.1	CHP	2	850.790	-50.95	-13	Pass

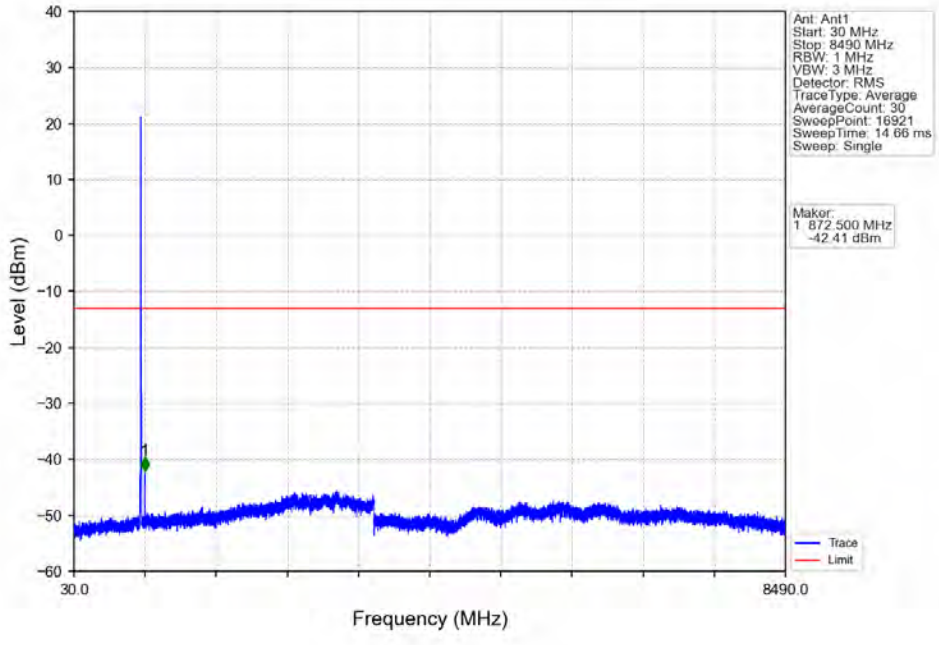
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



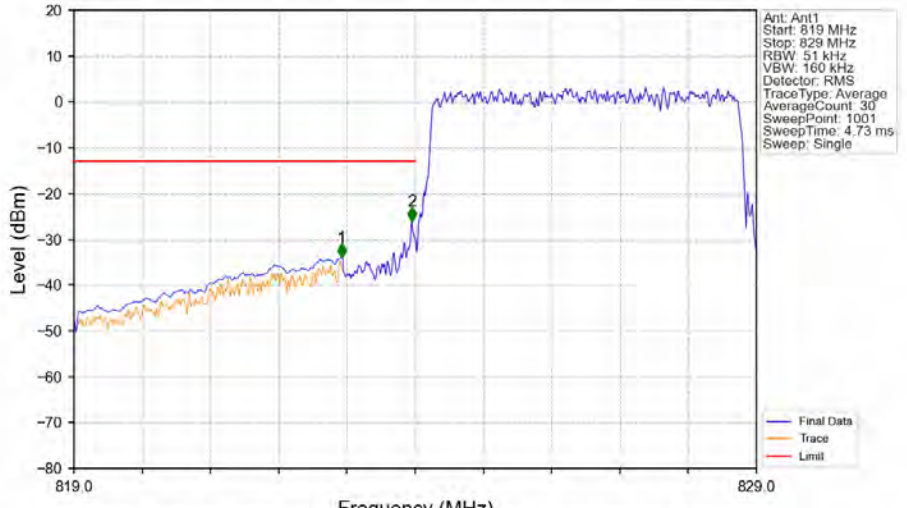
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

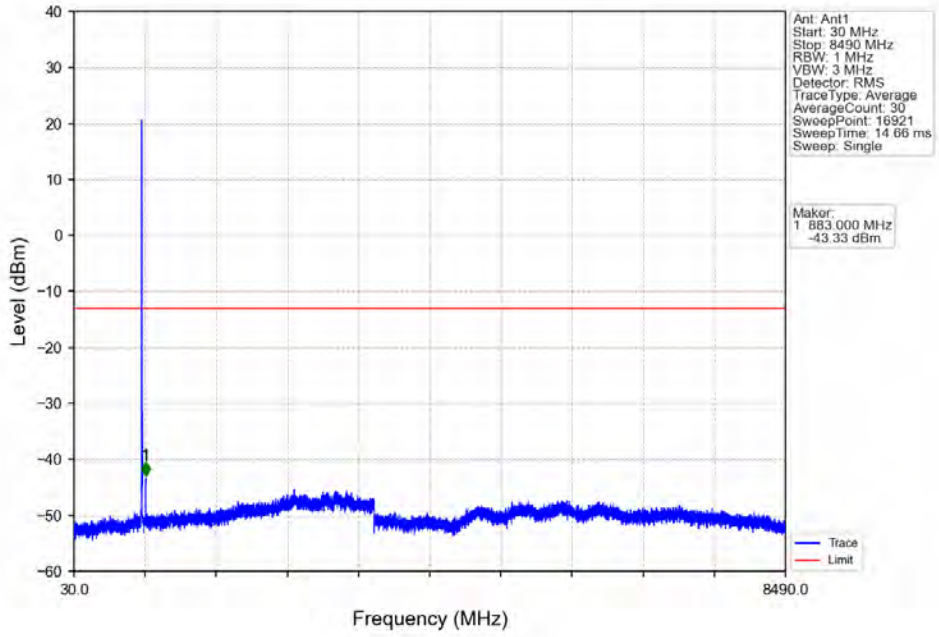


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

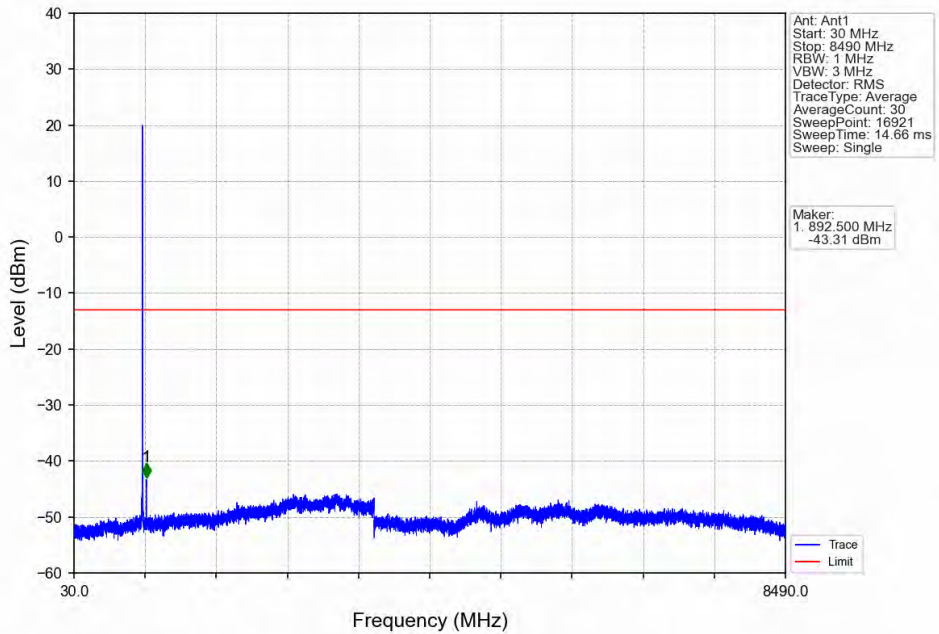


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.920	-34.03	-13	Pass
823	824	0.051	/	2	823.950	-26.07	-13	Pass
824	829	0.051	/	/	/	/	/	/

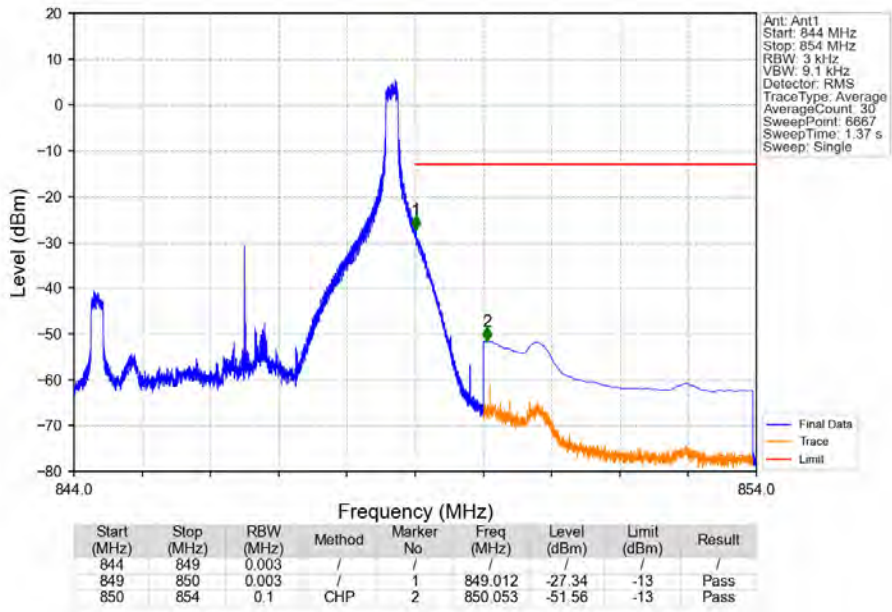
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



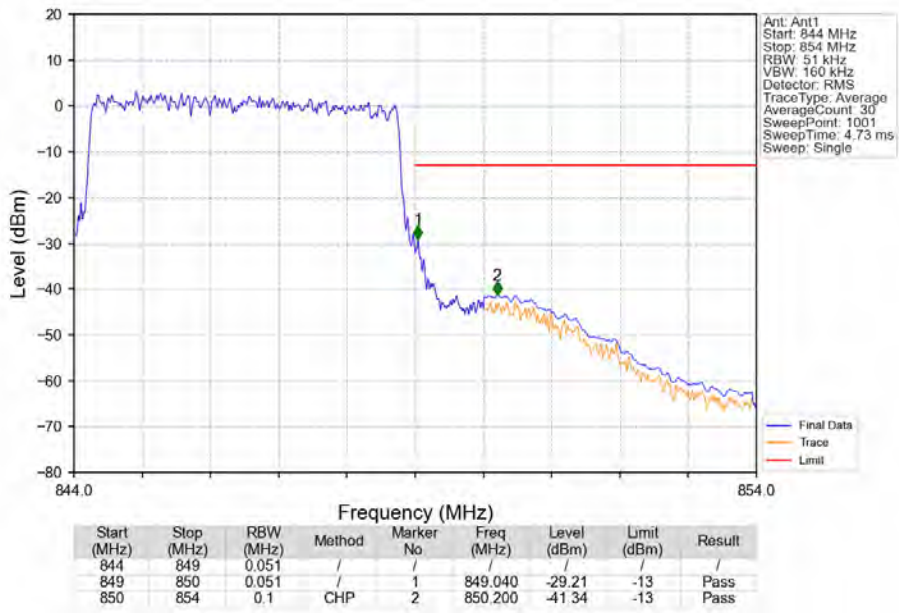
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

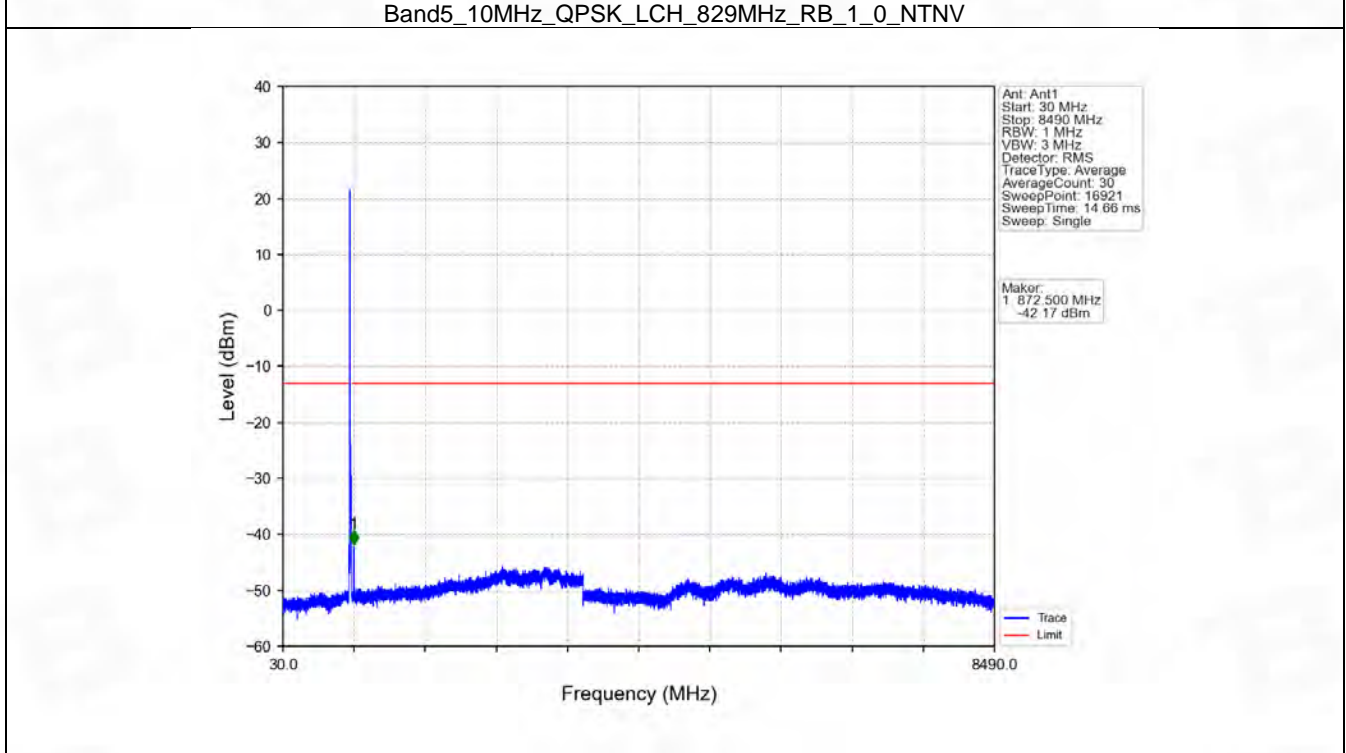
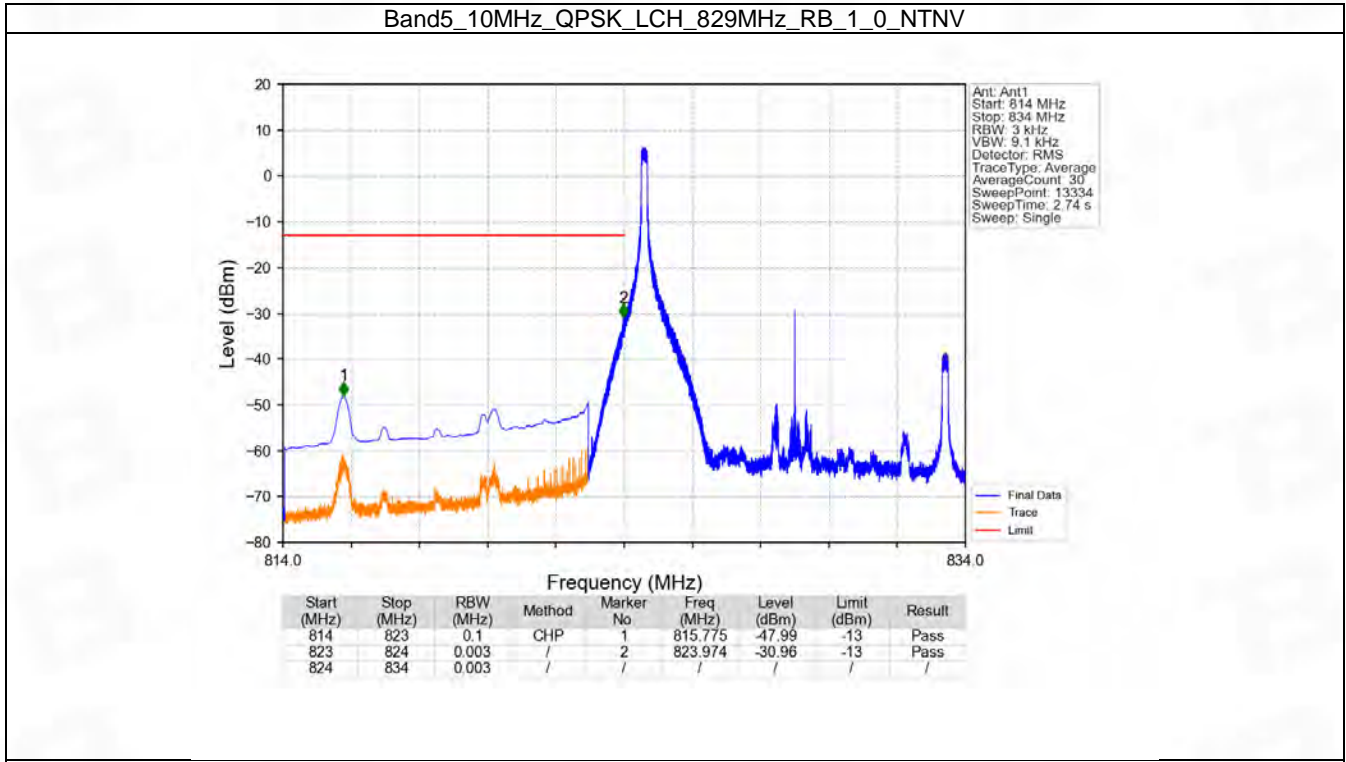


6.4 B5_10MHz

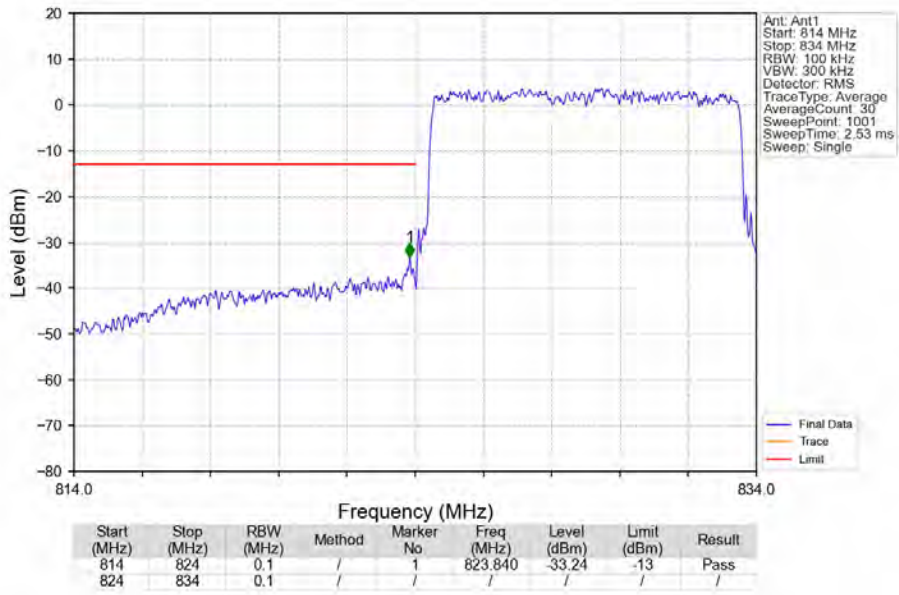
6.4.1 Test Result

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
	844	1	0	Refer To Test Graph		Pass
		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
	844	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

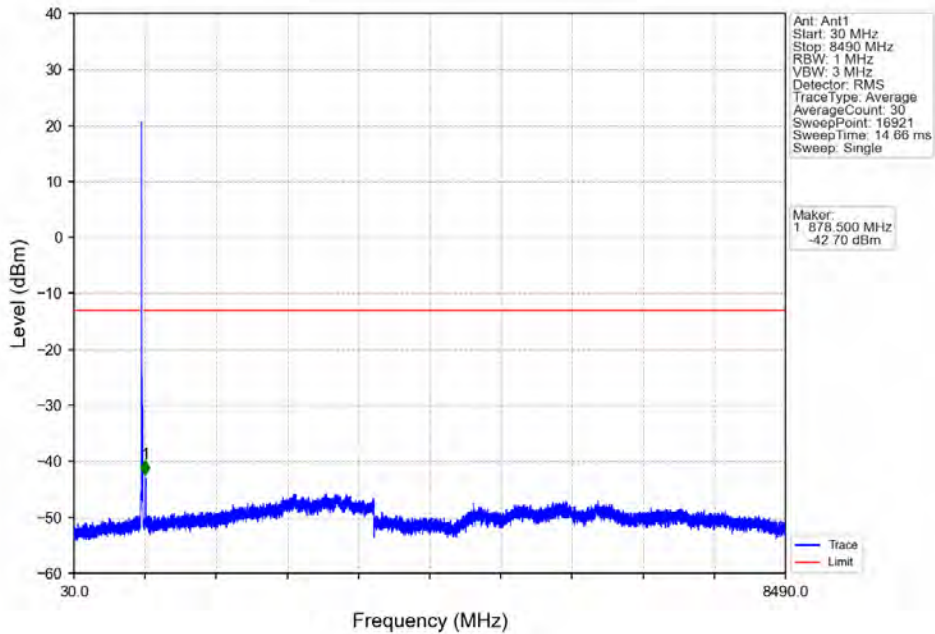
6.4.2 Test Graph



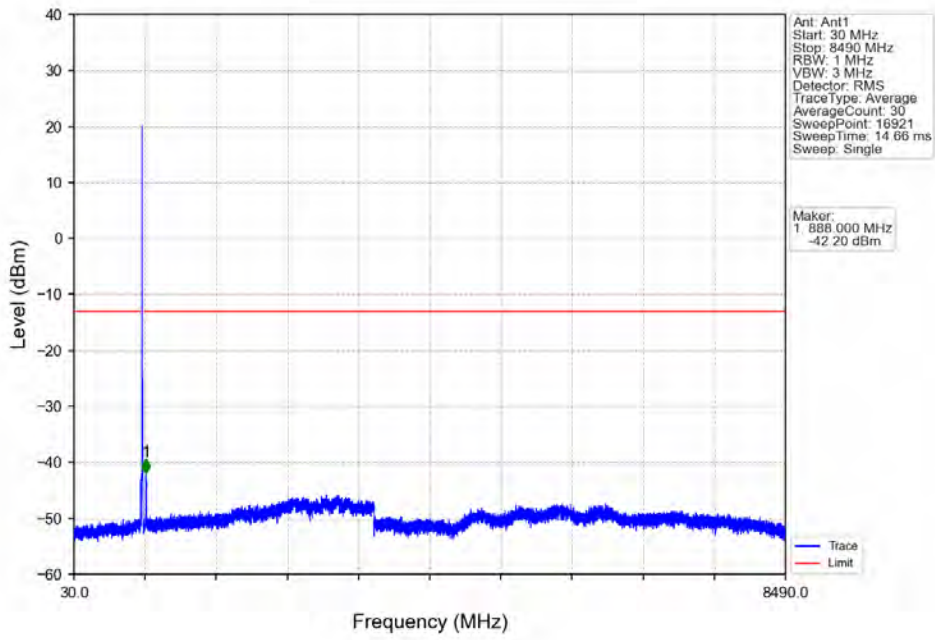
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



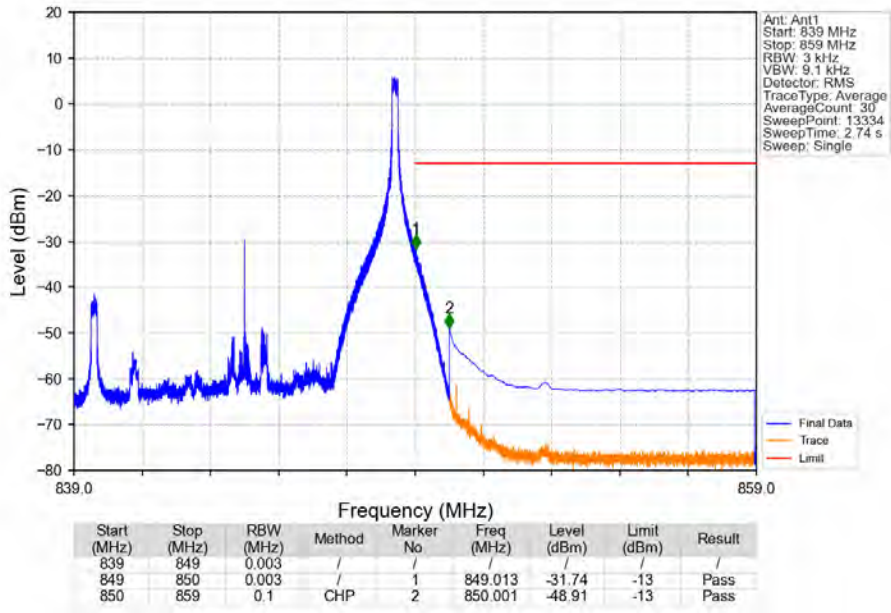
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



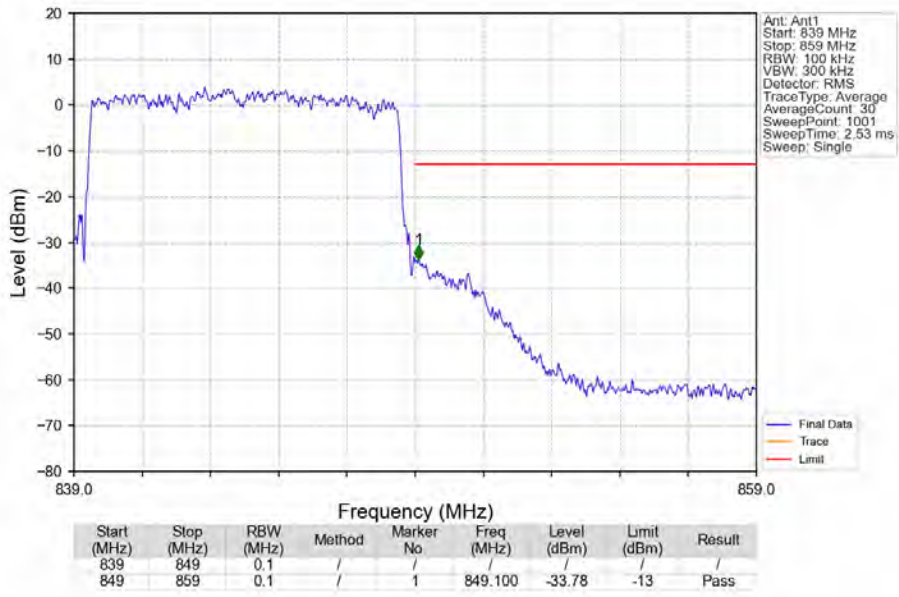
Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



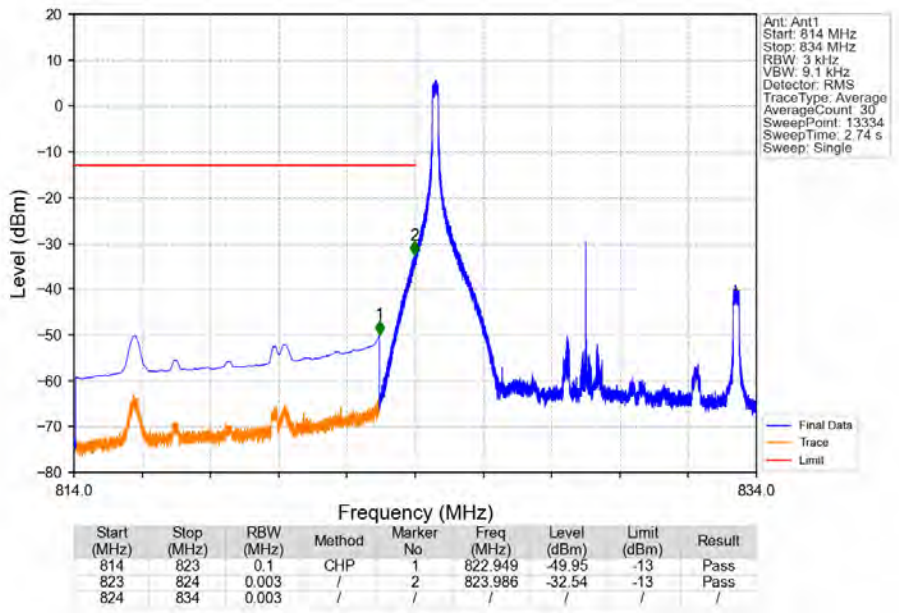
Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



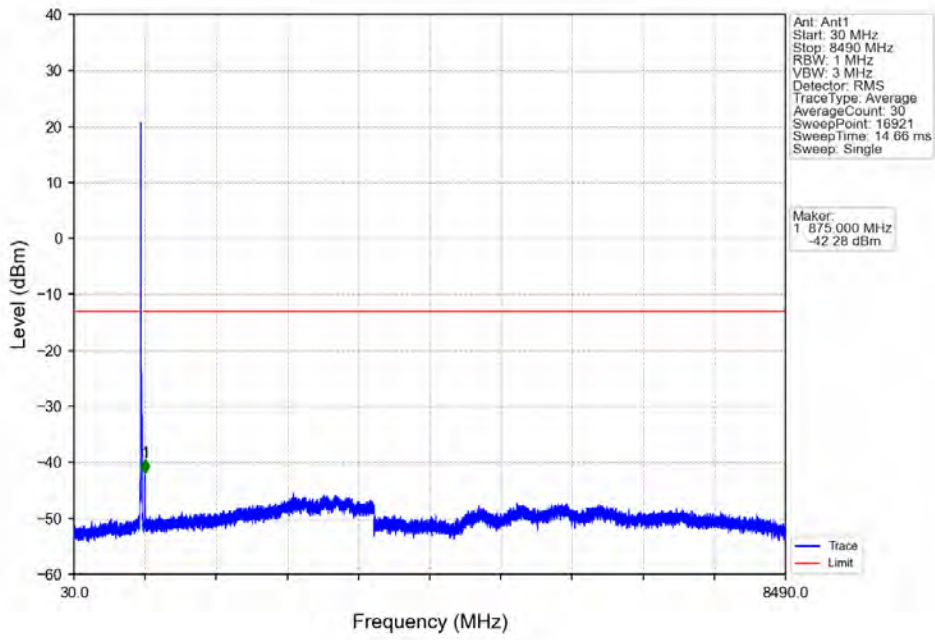
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



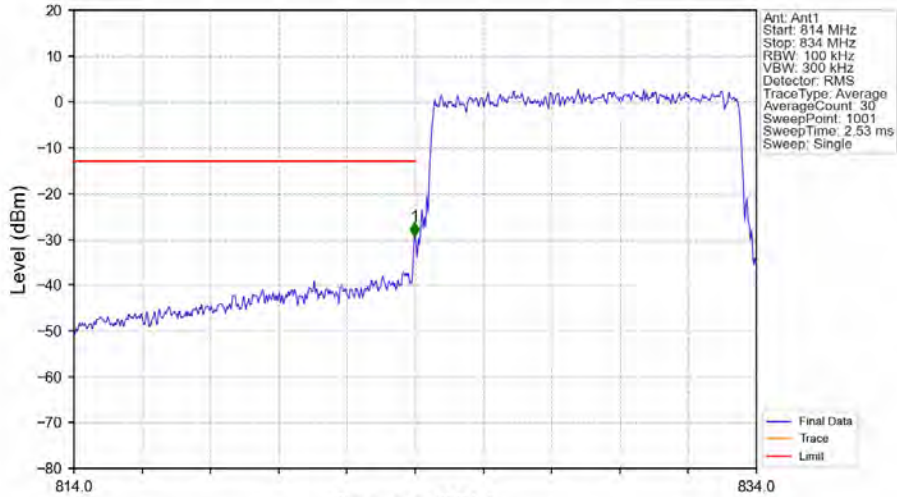
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

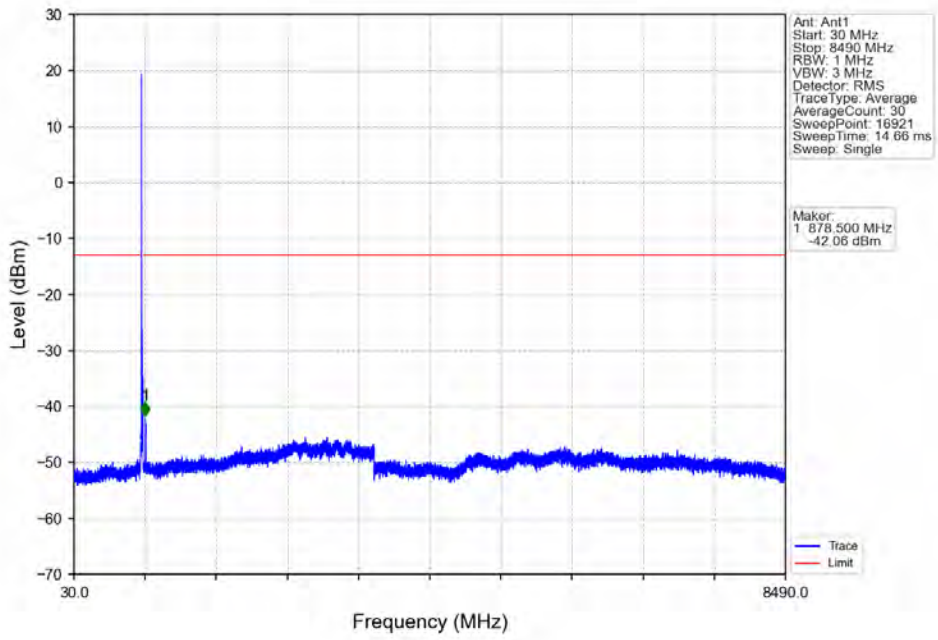


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

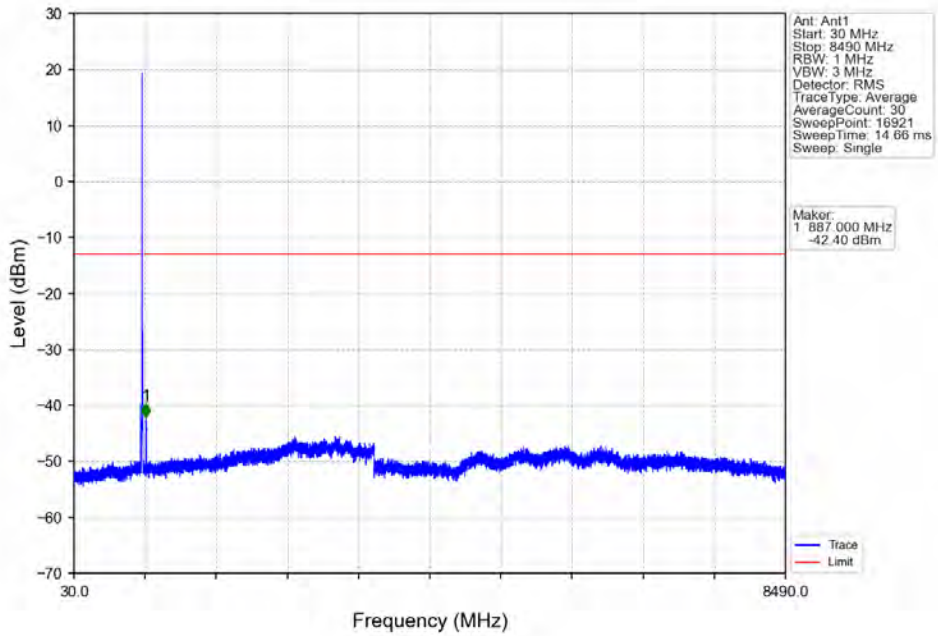


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	823.980	-29.35	-13	Pass
824	834	0.1	/	/	/	/	/	/

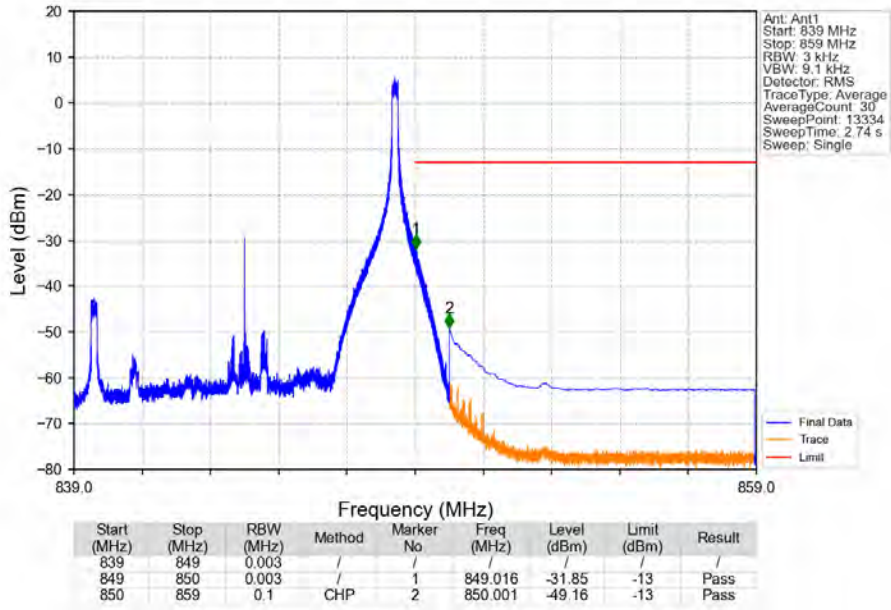
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



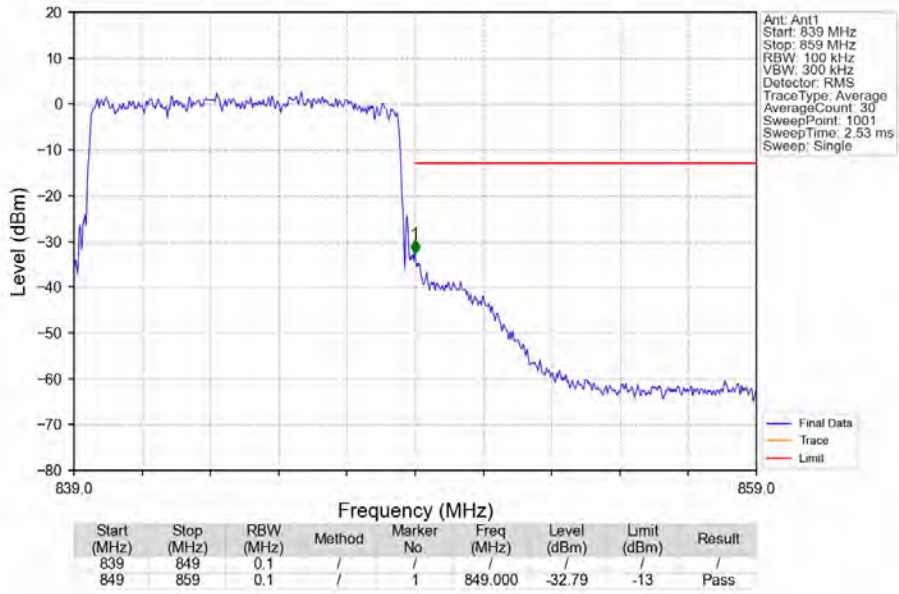
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_49_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



7. Form731

7.1 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	0.1549	0.0927	ppm	1M12G7D	22H	21.90
5	1.4	824.7	848.3	0.1268	0.0146	ppm	1M12W7D	22H	21.03
5	3	825.5	847.5	0.1837	0.0749	ppm	2M75G7D	22H	22.64
5	3	825.5	847.5	0.1486	0.0128	ppm	2M75W7D	22H	21.72
5	5	826.5	846.5	0.1750	0.0137	ppm	4M56G7D	22H	22.43
5	5	826.5	846.5	0.1291	0.0126	ppm	4M60W7D	22H	21.11
5	10	829	844	0.1603	0.0118	ppm	9M09G7D	22H	22.05
5	10	829	844	0.1368	0.0115	ppm	9M06W7D	22H	21.36

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	0.1040	0.0927	ppm	1M12G7D	22H	20.17
5	1.4	824.7	848.3	0.0851	0.0146	ppm	1M12W7D	22H	19.30
5	3	825.5	847.5	0.1233	0.0749	ppm	2M75G7D	22H	20.91
5	3	825.5	847.5	0.0998	0.0128	ppm	2M75W7D	22H	19.99
5	5	826.5	846.5	0.1175	0.0137	ppm	4M56G7D	22H	20.70
5	5	826.5	846.5	0.0867	0.0126	ppm	4M60W7D	22H	19.38
5	10	829	844	0.1076	0.0118	ppm	9M09G7D	22H	20.32
5	10	829	844	0.0918	0.0115	ppm	9M06W7D	22H	19.63