

1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	824.7	1	0	20.36	0.44	18.65	<=38.45	Pass		
			2	19.94	0.44	18.23	<=38.45	Pass		
			5	19.85	0.44	18.14	<=38.45	Pass		
		3	0	19.81	0.44	18.1	<=38.45	Pass		
			2	19.83	0.44	18.12	<=38.45	Pass		
			3	19.87	0.44	18.16	<=38.45	Pass		
		6	0	18.88	0.44	17.17	<=38.45	Pass		
		836.5	1	0	21.77	0.44	20.06	<=38.45	Pass	
				2	21.91	0.44	20.2	<=38.45	Pass	
	5			21.83	0.44	20.12	<=38.45	Pass		
	3		0	21.70	0.44	19.99	<=38.45	Pass		
			2	21.71	0.44	20	<=38.45	Pass		
			3	21.60	0.44	19.89	<=38.45	Pass		
	6		0	20.86	0.44	19.15	<=38.45	Pass		
	848.3		1	0	21.78	0.44	20.07	<=38.45	Pass	
				2	21.97	0.44	20.26	<=38.45	Pass	
		5		21.85	0.44	20.14	<=38.45	Pass		
		3	0	21.48	0.44	19.77	<=38.45	Pass		
			2	21.51	0.44	19.8	<=38.45	Pass		
			3	21.46	0.44	19.75	<=38.45	Pass		
		6	0	20.86	0.44	19.15	<=38.45	Pass		
		16QAM	824.7	1	0	18.76	0.44	17.05	<=38.45	Pass
					2	22.39	0.44	20.68	<=38.45	Pass
	5				21.03	0.44	19.32	<=38.45	Pass	
3	0			20.54	0.44	18.83	<=38.45	Pass		
	2			20.59	0.44	18.88	<=38.45	Pass		
	3			20.54	0.44	18.83	<=38.45	Pass		
6	0			20.04	0.44	18.33	<=38.45	Pass		
836.5	1			0	20.57	0.44	18.86	<=38.45	Pass	
				2	20.65	0.44	18.94	<=38.45	Pass	
			5	20.54	0.44	18.83	<=38.45	Pass		
	3		0	20.77	0.44	19.06	<=38.45	Pass		
			2	20.79	0.44	19.08	<=38.45	Pass		
			3	20.73	0.44	19.02	<=38.45	Pass		
	6		0	19.71	0.44	18	<=38.45	Pass		
	848.3		1	0	20.47	0.44	18.76	<=38.45	Pass	
				2	20.57	0.44	18.86	<=38.45	Pass	
5				20.48	0.44	18.77	<=38.45	Pass		
3			0	20.42	0.44	18.71	<=38.45	Pass		
			2	20.38	0.44	18.67	<=38.45	Pass		
			3	20.32	0.44	18.61	<=38.45	Pass		
6			0	19.52	0.44	17.81	<=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	21.33	0.44	19.62	<=38.45	Pass		
			7	22.13	0.44	20.42	<=38.45	Pass		
			14	22.48	0.44	20.77	<=38.45	Pass		
		8	0	21.10	0.44	19.39	<=38.45	Pass		
			4	21.23	0.44	19.52	<=38.45	Pass		
			7	21.16	0.44	19.45	<=38.45	Pass		
		15	0	20.92	0.44	19.21	<=38.45	Pass		
		836.5	1	0	21.86	0.44	20.15	<=38.45	Pass	
				7	22.07	0.44	20.36	<=38.45	Pass	
	14			21.60	0.44	19.89	<=38.45	Pass		
	8		0	20.88	0.44	19.17	<=38.45	Pass		
			4	20.94	0.44	19.23	<=38.45	Pass		
			7	20.91	0.44	19.2	<=38.45	Pass		
	15		0	20.80	0.44	19.09	<=38.45	Pass		
	847.5		1	0	21.74	0.44	20.03	<=38.45	Pass	
				7	21.89	0.44	20.18	<=38.45	Pass	
		14		21.76	0.44	20.05	<=38.45	Pass		
		8	0	20.73	0.44	19.02	<=38.45	Pass		
			4	20.78	0.44	19.07	<=38.45	Pass		
			7	20.76	0.44	19.05	<=38.45	Pass		
		15	0	20.67	0.44	18.96	<=38.45	Pass		
		16QAM	825.5	1	0	20.96	0.44	19.25	<=38.45	Pass
					7	21.01	0.44	19.3	<=38.45	Pass
	14				20.91	0.44	19.2	<=38.45	Pass	
8	0			19.94	0.44	18.23	<=38.45	Pass		
	4			20.05	0.44	18.34	<=38.45	Pass		
	7			19.98	0.44	18.27	<=38.45	Pass		
15	0			19.83	0.44	18.12	<=38.45	Pass		
836.5	1			0	20.93	0.44	19.22	<=38.45	Pass	
				7	20.98	0.44	19.27	<=38.45	Pass	
			14	20.85	0.44	19.14	<=38.45	Pass		
	8		0	19.78	0.44	18.07	<=38.45	Pass		
			4	19.81	0.44	18.1	<=38.45	Pass		
			7	19.75	0.44	18.04	<=38.45	Pass		
	15		0	19.69	0.44	17.98	<=38.45	Pass		
	847.5		1	0	21.20	0.44	19.49	<=38.45	Pass	
				7	21.10	0.44	19.39	<=38.45	Pass	
14				20.86	0.44	19.15	<=38.45	Pass		
8			0	19.86	0.44	18.15	<=38.45	Pass		
			4	19.85	0.44	18.14	<=38.45	Pass		
			7	19.76	0.44	18.05	<=38.45	Pass		
15			0	19.70	0.44	17.99	<=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	21.21	0.44	19.5	<=38.45	Pass		
			13	22.38	0.44	20.67	<=38.45	Pass		
			24	21.76	0.44	20.05	<=38.45	Pass		
		12	0	20.74	0.44	19.03	<=38.45	Pass		
			6	20.88	0.44	19.17	<=38.45	Pass		
			13	20.82	0.44	19.11	<=38.45	Pass		
		25	0	20.78	0.44	19.07	<=38.45	Pass		
		836.5	1	0	21.63	0.44	19.92	<=38.45	Pass	
				13	21.78	0.44	20.07	<=38.45	Pass	
	24			21.42	0.44	19.71	<=38.45	Pass		
	12		0	20.69	0.44	18.98	<=38.45	Pass		
			6	20.70	0.44	18.99	<=38.45	Pass		
			13	20.62	0.44	18.91	<=38.45	Pass		
	25		0	20.62	0.44	18.91	<=38.45	Pass		
	846.5		1	0	21.52	0.44	19.81	<=38.45	Pass	
				13	21.63	0.44	19.92	<=38.45	Pass	
		24		21.56	0.44	19.85	<=38.45	Pass		
		12	0	20.72	0.44	19.01	<=38.45	Pass		
			6	20.60	0.44	18.89	<=38.45	Pass		
			13	20.46	0.44	18.75	<=38.45	Pass		
		25	0	20.57	0.44	18.86	<=38.45	Pass		
		16QAM	826.5	1	0	20.82	0.44	19.11	<=38.45	Pass
					13	20.90	0.44	19.19	<=38.45	Pass
	24				20.78	0.44	19.07	<=38.45	Pass	
12	0			19.57	0.44	17.86	<=38.45	Pass		
	6			19.75	0.44	18.04	<=38.45	Pass		
	13			19.77	0.44	18.06	<=38.45	Pass		
25	0			19.66	0.44	17.95	<=38.45	Pass		
836.5	1			0	20.85	0.44	19.14	<=38.45	Pass	
				13	20.82	0.44	19.11	<=38.45	Pass	
			24	20.66	0.44	18.95	<=38.45	Pass		
	12		0	19.77	0.44	18.06	<=38.45	Pass		
			6	19.71	0.44	18	<=38.45	Pass		
			13	19.56	0.44	17.85	<=38.45	Pass		
	25		0	19.58	0.44	17.87	<=38.45	Pass		
	846.5		1	0	20.35	0.44	18.64	<=38.45	Pass	
				13	20.41	0.44	18.7	<=38.45	Pass	
24				20.23	0.44	18.52	<=38.45	Pass		
12			0	19.72	0.44	18.01	<=38.45	Pass		
			6	19.66	0.44	17.95	<=38.45	Pass		
			13	19.45	0.44	17.74	<=38.45	Pass		
25			0	19.65	0.44	17.94	<=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 / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	829	1	0	21.51	0.44	19.8	<=38.45	Pass		
			25	23.77	0.44	22.06	<=38.45	Pass		
			49	21.69	0.44	19.98	<=38.45	Pass		
		25	0	20.77	0.44	19.06	<=38.45	Pass		
			13	20.85	0.44	19.14	<=38.45	Pass		
			25	20.71	0.44	19	<=38.45	Pass		
		50	0	20.74	0.44	19.03	<=38.45	Pass		
		836.5	1	0	21.68	0.44	19.97	<=38.45	Pass	
				25	21.70	0.44	19.99	<=38.45	Pass	
	49			22.02	0.44	20.31	<=38.45	Pass		
	25		0	20.87	0.44	19.16	<=38.45	Pass		
			13	20.77	0.44	19.06	<=38.45	Pass		
			25	20.77	0.44	19.06	<=38.45	Pass		
	50	0	20.80	0.44	19.09	<=38.45	Pass			
	844	1	0	21.78	0.44	20.07	<=38.45	Pass		
			25	22.28	0.44	20.57	<=38.45	Pass		
			49	21.63	0.44	19.92	<=38.45	Pass		
		25	0	20.52	0.44	18.81	<=38.45	Pass		
			13	20.65	0.44	18.94	<=38.45	Pass		
			25	20.41	0.44	18.7	<=38.45	Pass		
		50	0	20.50	0.44	18.79	<=38.45	Pass		
		16QAM	829	1	0	20.83	0.44	19.12	<=38.45	Pass
					25	21.00	0.44	19.29	<=38.45	Pass
	49				20.67	0.44	18.96	<=38.45	Pass	
25	0			19.73	0.44	18.02	<=38.45	Pass		
	13			19.94	0.44	18.23	<=38.45	Pass		
	25			19.85	0.44	18.14	<=38.45	Pass		
50	0			19.77	0.44	18.06	<=38.45	Pass		
836.5	1			0	20.84	0.44	19.13	<=38.45	Pass	
				25	20.93	0.44	19.22	<=38.45	Pass	
			49	20.65	0.44	18.94	<=38.45	Pass		
	25		0	19.87	0.44	18.16	<=38.45	Pass		
			13	19.71	0.44	18	<=38.45	Pass		
			25	19.64	0.44	17.93	<=38.45	Pass		
50	0		19.75	0.44	18.04	<=38.45	Pass			
844	1		0	20.81	0.44	19.1	<=38.45	Pass		
			25	21.28	0.44	19.57	<=38.45	Pass		
			49	20.74	0.44	19.03	<=38.45	Pass		
	25		0	19.49	0.44	17.78	<=38.45	Pass		
			13	19.73	0.44	18.02	<=38.45	Pass		
			25	19.49	0.44	17.78	<=38.45	Pass		
	50		0	19.49	0.44	17.78	<=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	-0.815	-0.0010	-2.5 to 2.5	Pass
					3.85	-2.074	-0.0025	-2.5 to 2.5	Pass
					4.43	-1.845	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-6.251	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-5.565	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-3.991	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-4.363	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-3.018	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-3.948	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-5.407	-0.0066	-2.5 to 2.5	Pass
	50	3.85	-5.007	-0.0061	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.27	-6.151	-0.0074	-2.5 to 2.5	Pass
					3.85	-6.995	-0.0084	-2.5 to 2.5	Pass
					4.43	-7.224	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-6.366	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-8.798	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-5.765	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-9.069	-0.0108	-2.5 to 2.5	Pass
				10	3.85	-7.839	-0.0094	-2.5 to 2.5	Pass
				30	3.85	-4.349	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-4.835	-0.0058	-2.5 to 2.5	Pass
	50	3.85	-4.635	-0.0055	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.27	-11.387	-0.0134	-2.5 to 2.5	Pass
					3.85	-6.137	-0.0072	-2.5 to 2.5	Pass
					4.43	0.386	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-4.978	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-2.947	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-2.933	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-2.217	-0.0026	-2.5 to 2.5	Pass
30				3.85	-6.037	-0.0071	-2.5 to 2.5	Pass	
40				3.85	-5.150	-0.0061	-2.5 to 2.5	Pass	
50	3.85	-6.666	-0.0079	-2.5 to 2.5	Pass				
16QAM	824.7	6	0	20	3.27	-3.819	-0.0046	-2.5 to 2.5	Pass
					3.85	-5.951	-0.0072	-2.5 to 2.5	Pass
					4.43	-5.922	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-6.022	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-5.164	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-9.384	-0.0114	-2.5 to 2.5	Pass
				0	3.85	-8.984	-0.0109	-2.5 to 2.5	Pass
				10	3.85	-9.885	-0.0120	-2.5 to 2.5	Pass
				30	3.85	-9.942	-0.0121	-2.5 to 2.5	Pass
				40	3.85	-6.881	-0.0083	-2.5 to 2.5	Pass
	50	3.85	-6.638	-0.0080	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.27	-6.509	-0.0078	-2.5 to 2.5	Pass
					3.85	-2.947	-0.0035	-2.5 to 2.5	Pass

					4.43	-6.452	-0.0077	-2.5 to 2.5	Pass			
				-30	3.85	-6.380	-0.0076	-2.5 to 2.5	Pass			
				-20	3.85	-2.618	-0.0031	-2.5 to 2.5	Pass			
				-10	3.85	-10.343	-0.0124	-2.5 to 2.5	Pass			
				0	3.85	-9.499	-0.0114	-2.5 to 2.5	Pass			
				10	3.85	-4.435	-0.0053	-2.5 to 2.5	Pass			
				30	3.85	-8.769	-0.0105	-2.5 to 2.5	Pass			
				40	3.85	-6.237	-0.0075	-2.5 to 2.5	Pass			
				50	3.85	-6.981	-0.0083	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.27	-2.732	-0.0032	-2.5 to 2.5	Pass			
								3.85	-5.922	-0.0070	-2.5 to 2.5	Pass
								4.43	-3.333	-0.0039	-2.5 to 2.5	Pass
							-30	3.85	-3.119	-0.0037	-2.5 to 2.5	Pass
							-20	3.85	-4.721	-0.0056	-2.5 to 2.5	Pass
							-10	3.85	-4.334	-0.0051	-2.5 to 2.5	Pass
							0	3.85	-5.422	-0.0064	-2.5 to 2.5	Pass
							10	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
							30	3.85	-4.034	-0.0048	-2.5 to 2.5	Pass
							40	3.85	-5.522	-0.0065	-2.5 to 2.5	Pass
							50	3.85	-4.005	-0.0047	-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	-6.194	-0.0075	-2.5 to 2.5	Pass					
						3.85	-6.280	-0.0076	-2.5 to 2.5	Pass				
						4.43	-4.005	-0.0049	-2.5 to 2.5	Pass				
					-30	3.85	-9.327	-0.0113	-2.5 to 2.5	Pass				
					-20	3.85	-4.749	-0.0058	-2.5 to 2.5	Pass				
					-10	3.85	-8.039	-0.0097	-2.5 to 2.5	Pass				
					0	3.85	-6.680	-0.0081	-2.5 to 2.5	Pass				
					10	3.85	-5.579	-0.0068	-2.5 to 2.5	Pass				
					30	3.85	-11.745	-0.0142	-2.5 to 2.5	Pass				
					40	3.85	-2.146	-0.0026	-2.5 to 2.5	Pass				
					50	3.85	-5.450	-0.0066	-2.5 to 2.5	Pass				
					836.5	15	0	20	3.27	-6.437	-0.0077	-2.5 to 2.5	Pass	
										3.85	-5.751	-0.0069	-2.5 to 2.5	Pass
										4.43	-6.909	-0.0083	-2.5 to 2.5	Pass
									-30	3.85	-7.539	-0.0090	-2.5 to 2.5	Pass
			-20	3.85				-8.655	-0.0103	-2.5 to 2.5	Pass			
			-10	3.85				-5.450	-0.0065	-2.5 to 2.5	Pass			
			0	3.85				-7.868	-0.0094	-2.5 to 2.5	Pass			
			10	3.85				-5.836	-0.0070	-2.5 to 2.5	Pass			
			30	3.85				-5.994	-0.0072	-2.5 to 2.5	Pass			
			40	3.85				-9.012	-0.0108	-2.5 to 2.5	Pass			
			50	3.85				-5.350	-0.0064	-2.5 to 2.5	Pass			
		847.5	15	0				20	3.27	-8.855	-0.0104	-2.5 to 2.5	Pass	
										3.85	-6.595	-0.0078	-2.5 to 2.5	Pass
										4.43	-6.495	-0.0077	-2.5 to 2.5	Pass
									-30	3.85	-7.896	-0.0093	-2.5 to 2.5	Pass
						-20	3.85	-6.022	-0.0071	-2.5 to 2.5	Pass			

				-10	3.85	-9.613	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-4.463	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-6.123	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-7.439	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-5.193	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-8.211	-0.0097	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-4.120	-0.0050	-2.5 to 2.5	Pass
					3.85	-2.260	-0.0027	-2.5 to 2.5	Pass
					4.43	-3.791	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-5.550	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-9.956	-0.0121	-2.5 to 2.5	Pass
				-10	3.85	-6.409	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-4.520	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-6.466	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-5.035	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-6.394	-0.0077	-2.5 to 2.5	Pass
	50	3.85	-4.721	-0.0057	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	-2.675	-0.0032	-2.5 to 2.5	Pass
					3.85	-6.595	-0.0079	-2.5 to 2.5	Pass
					4.43	-8.883	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-6.781	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-11.044	-0.0132	-2.5 to 2.5	Pass
				-10	3.85	-3.362	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-10.400	-0.0124	-2.5 to 2.5	Pass
				10	3.85	-3.390	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-9.298	-0.0111	-2.5 to 2.5	Pass
				40	3.85	-2.890	-0.0035	-2.5 to 2.5	Pass
	50	3.85	-4.163	-0.0050	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-4.964	-0.0059	-2.5 to 2.5	Pass
					3.85	-5.322	-0.0063	-2.5 to 2.5	Pass
					4.43	-8.197	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-7.238	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-7.281	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-8.025	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-6.938	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-8.512	-0.0100	-2.5 to 2.5	Pass
30				3.85	-1.988	-0.0023	-2.5 to 2.5	Pass	
40				3.85	-5.450	-0.0064	-2.5 to 2.5	Pass	
50	3.85	-4.864	-0.0057	-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	-5.264	-0.0064	-2.5 to 2.5	Pass
					3.85	-8.197	-0.0099	-2.5 to 2.5	Pass
					4.43	-4.005	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-4.921	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-4.678	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-7.639	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-8.411	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-7.124	-0.0086	-2.5 to 2.5	Pass

	836.5	25	0	30	3.85	-6.237	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-4.964	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-6.366	-0.0077	-2.5 to 2.5	Pass
				20	3.27	-5.808	-0.0069	-2.5 to 2.5	Pass
					3.85	-7.854	-0.0094	-2.5 to 2.5	Pass
					4.43	-6.709	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-5.322	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-5.751	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-1.545	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.519	-0.0042	-2.5 to 2.5	Pass
	10	3.85	-6.609	-0.0079	-2.5 to 2.5	Pass			
	30	3.85	-4.148	-0.0050	-2.5 to 2.5	Pass			
	40	3.85	-5.379	-0.0064	-2.5 to 2.5	Pass			
	50	3.85	-7.582	-0.0091	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.27	-3.061	-0.0036	-2.5 to 2.5	Pass
					3.85	-6.180	-0.0073	-2.5 to 2.5	Pass
					4.43	-4.635	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-4.106	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-6.394	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-9.484	-0.0112	-2.5 to 2.5	Pass
0				3.85	-3.176	-0.0038	-2.5 to 2.5	Pass	
10				3.85	-6.680	-0.0079	-2.5 to 2.5	Pass	
30				3.85	-5.322	-0.0063	-2.5 to 2.5	Pass	
40				3.85	?	?	-2.5 to 2.5	?	
50	3.85	?	?	-2.5 to 2.5	?				
16QAM	826.5	25	0	20	3.27	-8.554	-0.0103	-2.5 to 2.5	Pass
					3.85	-6.824	-0.0083	-2.5 to 2.5	Pass
					4.43	-4.249	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-4.535	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-3.376	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-5.636	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-4.320	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-4.520	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-2.275	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-4.592	-0.0056	-2.5 to 2.5	Pass
	50	3.85	-5.364	-0.0065	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.27	-5.779	-0.0069	-2.5 to 2.5	Pass
					3.85	-5.293	-0.0063	-2.5 to 2.5	Pass
					4.43	-5.436	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-7.110	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-4.191	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-6.251	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-4.692	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-9.155	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-5.779	-0.0069	-2.5 to 2.5	Pass
	50	3.85	-6.680	-0.0080	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.27	-11.659	-0.0138	-2.5 to 2.5	Pass
					3.85	-7.539	-0.0089	-2.5 to 2.5	Pass
					4.43	-5.980	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-4.420	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-5.078	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-5.865	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-9.971	-0.0118	-2.5 to 2.5	Pass
				10	3.85	-6.280	-0.0074	-2.5 to 2.5	Pass
30				3.85	-3.490	-0.0041	-2.5 to 2.5	Pass	
40				3.85	-4.892	-0.0058	-2.5 to 2.5	Pass	

				50	3.85	-4.735	-0.0056	-2.5 to 2.5	Pass
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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	-4.406	-0.0053	-2.5 to 2.5	Pass
					3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
					4.43	-3.648	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-7.210	-0.0087	-2.5 to 2.5	Pass
				-20	3.85	-5.894	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-7.825	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-8.526	-0.0103	-2.5 to 2.5	Pass
				10	3.85	-8.268	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-8.540	-0.0103	-2.5 to 2.5	Pass
				40	3.85	-7.753	-0.0094	-2.5 to 2.5	Pass
	50	3.85	-5.894	-0.0071	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.27	-7.024	-0.0084	-2.5 to 2.5	Pass
					3.85	-4.034	-0.0048	-2.5 to 2.5	Pass
					4.43	-3.362	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-7.968	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-7.796	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-5.693	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-5.794	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-4.621	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-4.721	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-3.848	-0.0046	-2.5 to 2.5	Pass
	50	3.85	-6.065	-0.0073	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	-6.623	-0.0078	-2.5 to 2.5	Pass
					3.85	-7.381	-0.0087	-2.5 to 2.5	Pass
					4.43	-4.950	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-6.466	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-7.238	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-9.141	-0.0108	-2.5 to 2.5	Pass
				0	3.85	-6.680	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-6.866	-0.0081	-2.5 to 2.5	Pass
30				3.85	-10.042	-0.0119	-2.5 to 2.5	Pass	
40				3.85	-7.010	-0.0083	-2.5 to 2.5	Pass	
50	3.85	-6.008	-0.0071	-2.5 to 2.5	Pass				
16QAM	829	50	0	20	3.27	-6.609	-0.0080	-2.5 to 2.5	Pass
					3.85	-7.067	-0.0085	-2.5 to 2.5	Pass
					4.43	-7.639	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-4.964	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-5.293	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-3.662	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-7.110	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-5.765	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-5.579	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-5.193	-0.0063	-2.5 to 2.5	Pass
	50	3.85	-4.921	-0.0059	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.27	-4.163	-0.0050	-2.5 to 2.5	Pass
					3.85	-9.184	-0.0110	-2.5 to 2.5	Pass

					4.43	-5.021	-0.0060	-2.5 to 2.5	Pass			
				-30	3.85	-5.879	-0.0070	-2.5 to 2.5	Pass			
				-20	3.85	-4.606	-0.0055	-2.5 to 2.5	Pass			
				-10	3.85	-6.824	-0.0082	-2.5 to 2.5	Pass			
				0	3.85	-4.792	-0.0057	-2.5 to 2.5	Pass			
				10	3.85	-4.020	-0.0048	-2.5 to 2.5	Pass			
				30	3.85	-7.167	-0.0086	-2.5 to 2.5	Pass			
				40	3.85	-7.024	-0.0084	-2.5 to 2.5	Pass			
				50	3.85	-3.877	-0.0046	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	-7.424	-0.0088	-2.5 to 2.5	Pass			
3.85					-10.886	-0.0129	-2.5 to 2.5	Pass				
4.43					-3.719	-0.0044	-2.5 to 2.5	Pass				
							-30	3.85	-8.097	-0.0096	-2.5 to 2.5	Pass
							-20	3.85	-7.195	-0.0085	-2.5 to 2.5	Pass
							-10	3.85	-4.220	-0.0050	-2.5 to 2.5	Pass
							0	3.85	-5.651	-0.0067	-2.5 to 2.5	Pass
							10	3.85	-5.836	-0.0069	-2.5 to 2.5	Pass
							30	3.85	-6.638	-0.0079	-2.5 to 2.5	Pass
							40	3.85	-7.911	-0.0094	-2.5 to 2.5	Pass
							50	3.85	-6.294	-0.0075	-2.5 to 2.5	Pass

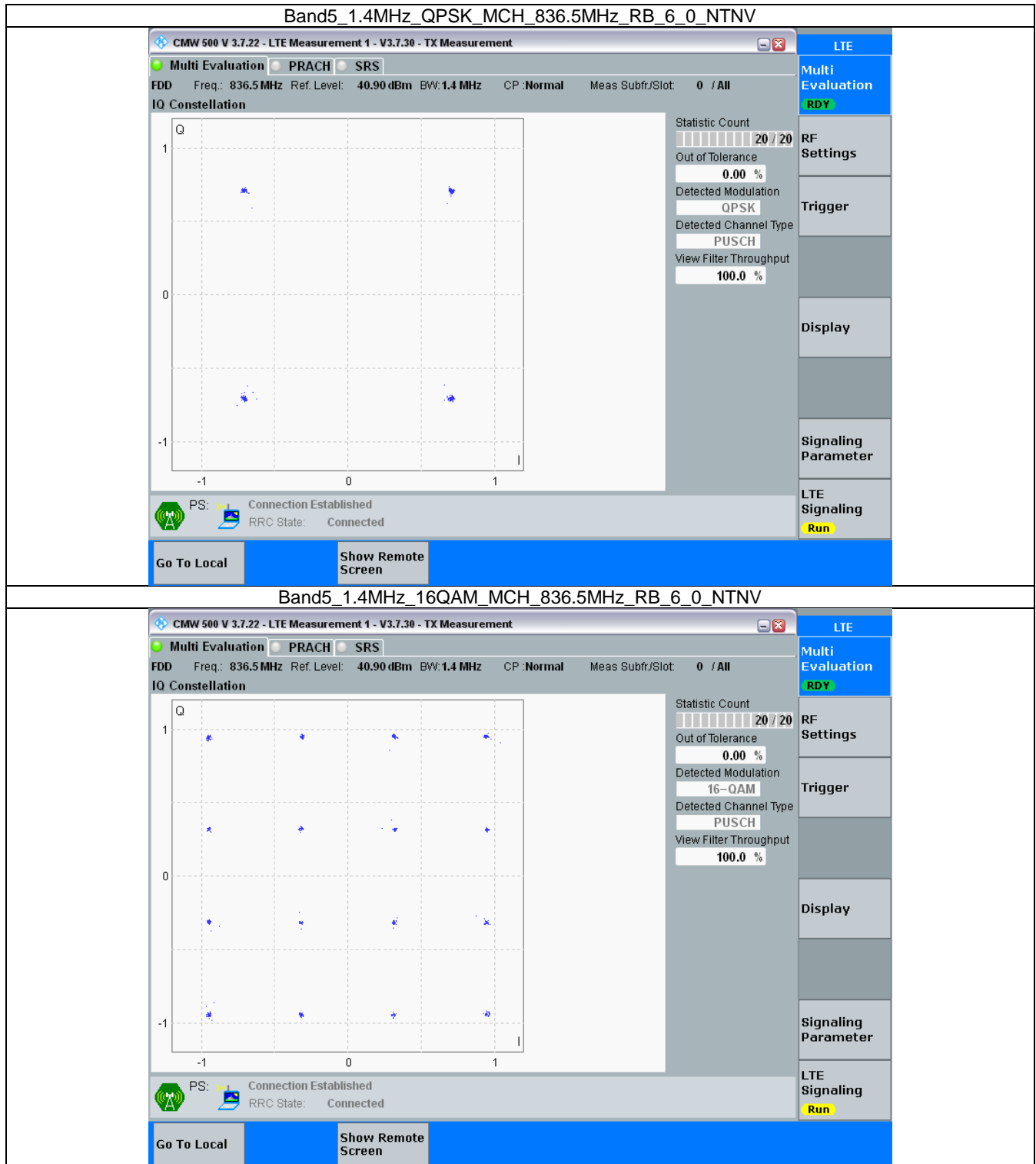
3. Modulation Characteristics

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

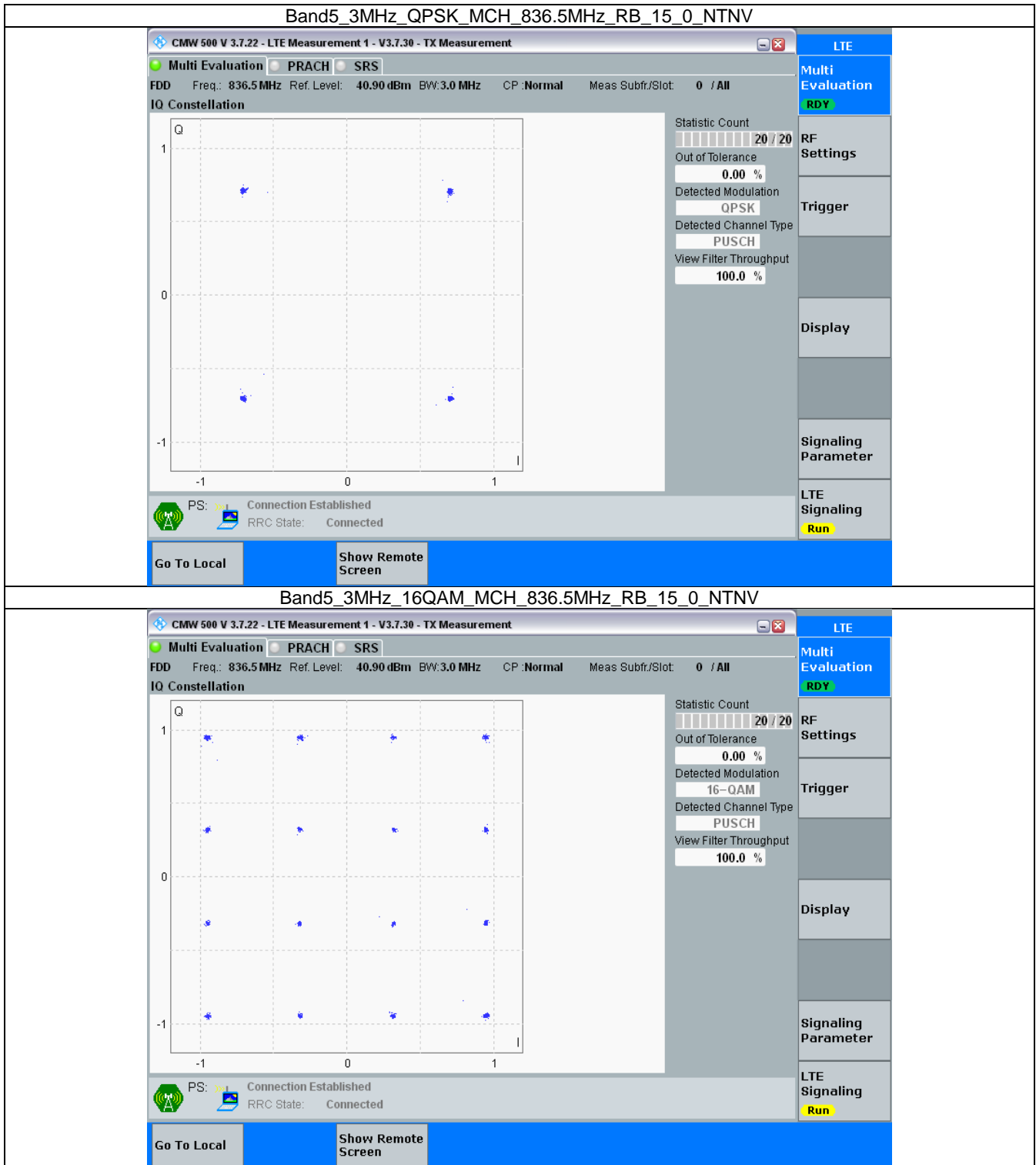


3.2 B5_3MHz

3.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTN						
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 / NTN						
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

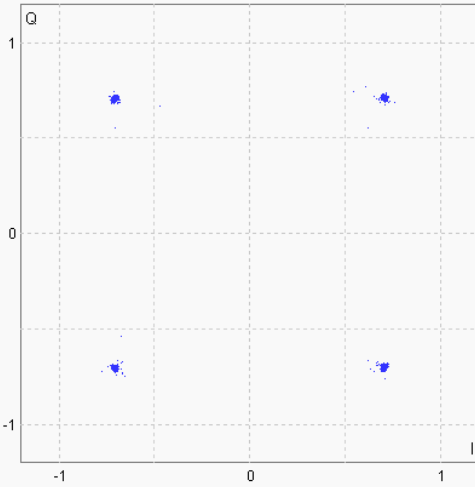
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV

CMW 500 V 3.7.22 - LTE Measurement 1 - V3.7.30 - TX Measurement
LTE

Multi Evaluation
PRACH
SRS

FDD
Freq.: 836.5 MHz
Ref. Level: 40.80 dBm
BW: 5.0 MHz
CP: Normal
Meas Subfr./Slot: 0 / All

IQ Constellation



Statistic Count: 20 / 20

Out of Tolerance: 0.00 %

Detected Modulation: QPSK

Detected Channel Type: PUSCH

View Filter Throughput: 100.0 %

PS: Connection Established
RRC State: Connected

Go To Local
Show Remote Screen

Multi Evaluation

RDY

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling

Run

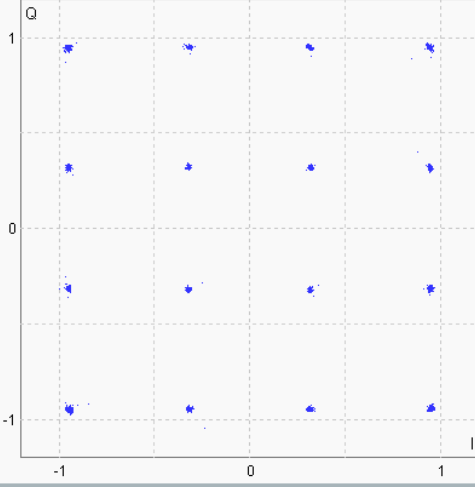
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

CMW 500 V 3.7.22 - LTE Measurement 1 - V3.7.30 - TX Measurement
LTE

Multi Evaluation
PRACH
SRS

FDD
Freq.: 836.5 MHz
Ref. Level: 40.80 dBm
BW: 5.0 MHz
CP: Normal
Meas Subfr./Slot: 0 / All

IQ Constellation



Statistic Count: 20 / 20

Out of Tolerance: 0.00 %

Detected Modulation: 16-QAM

Detected Channel Type: PUSCH

View Filter Throughput: 100.0 %

PS: Connection Established
RRC State: Connected

Go To Local
Show Remote Screen

Multi Evaluation

RDY

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling

Run

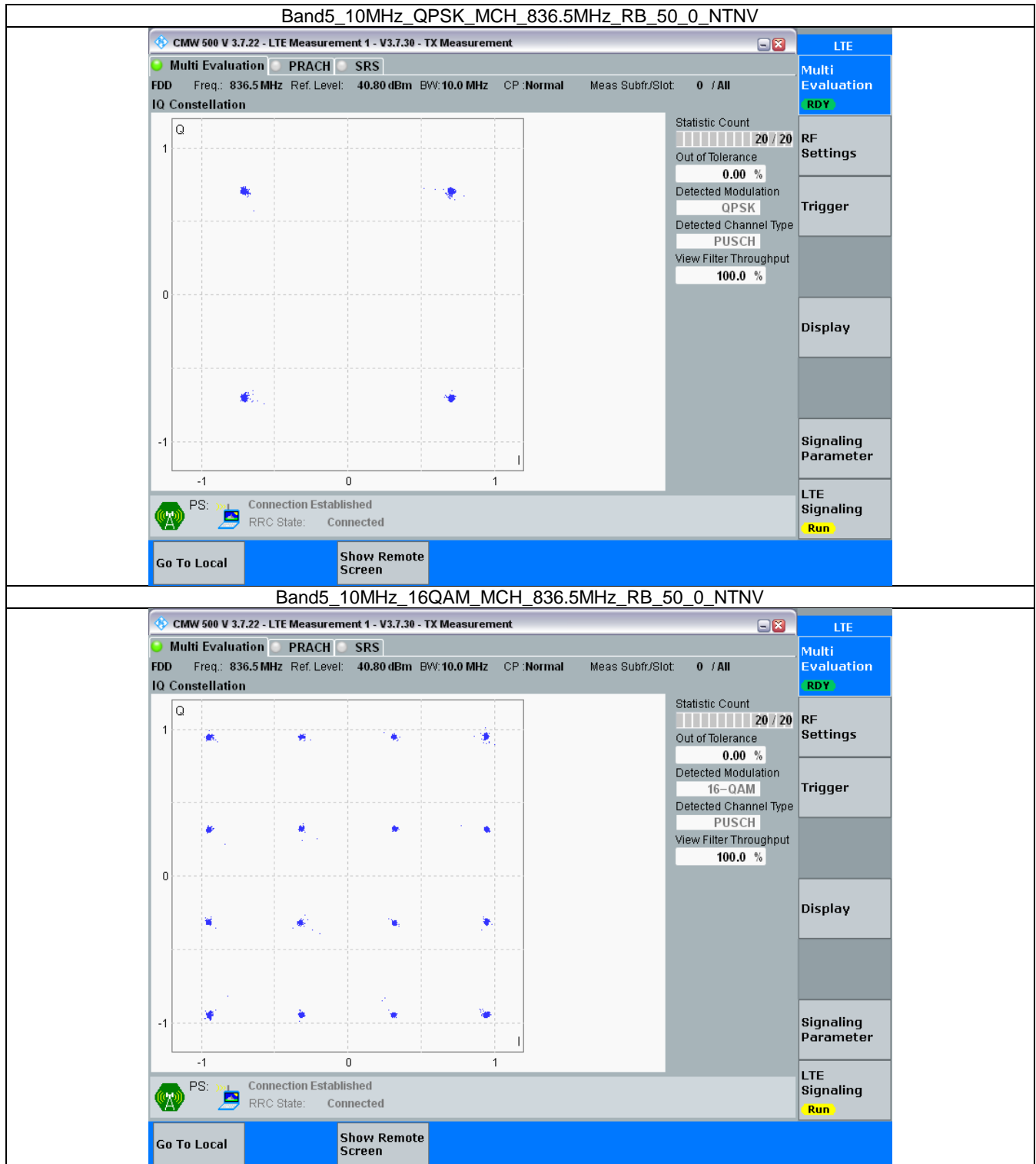
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3.4 B5_10MHz

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



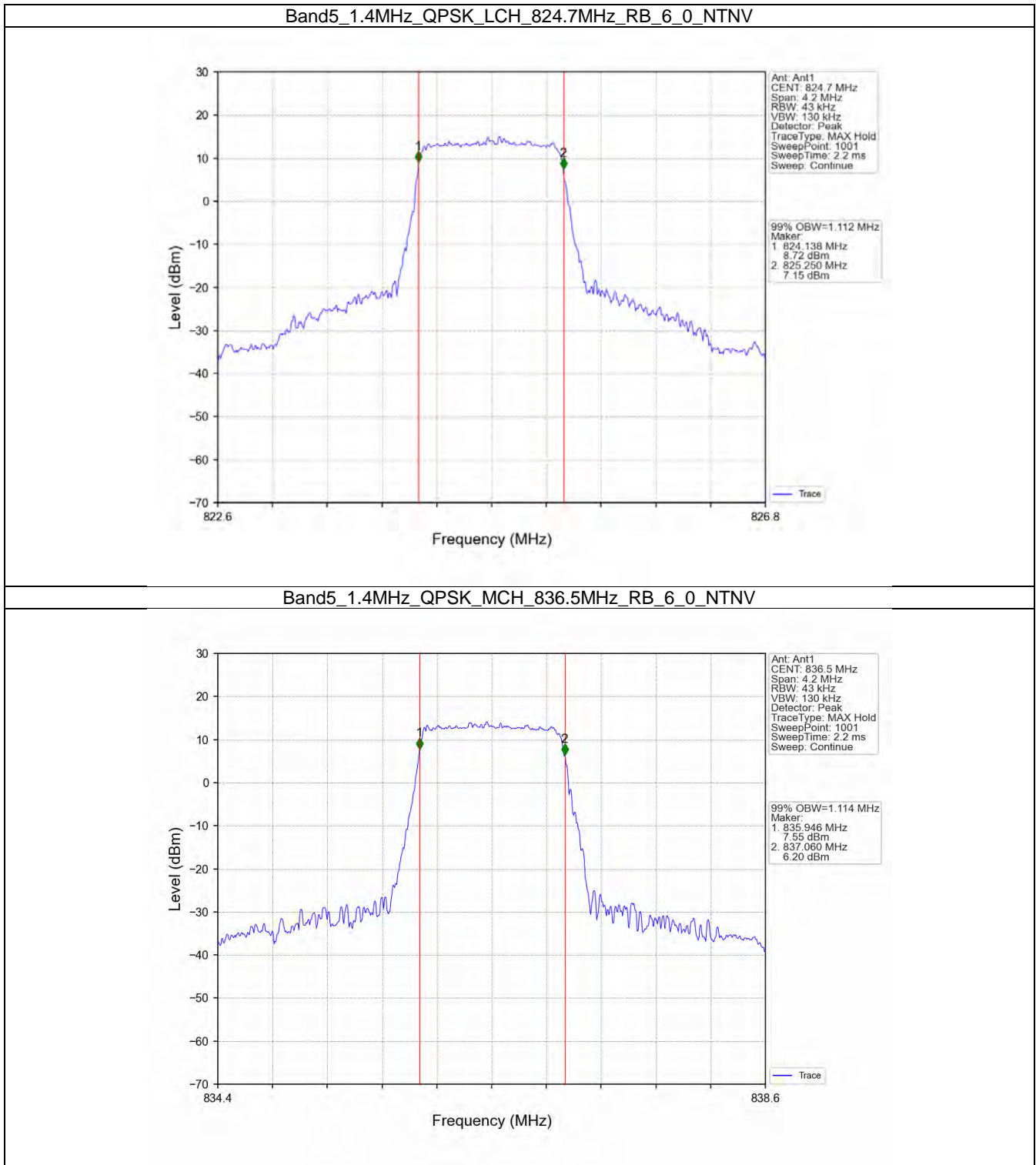
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

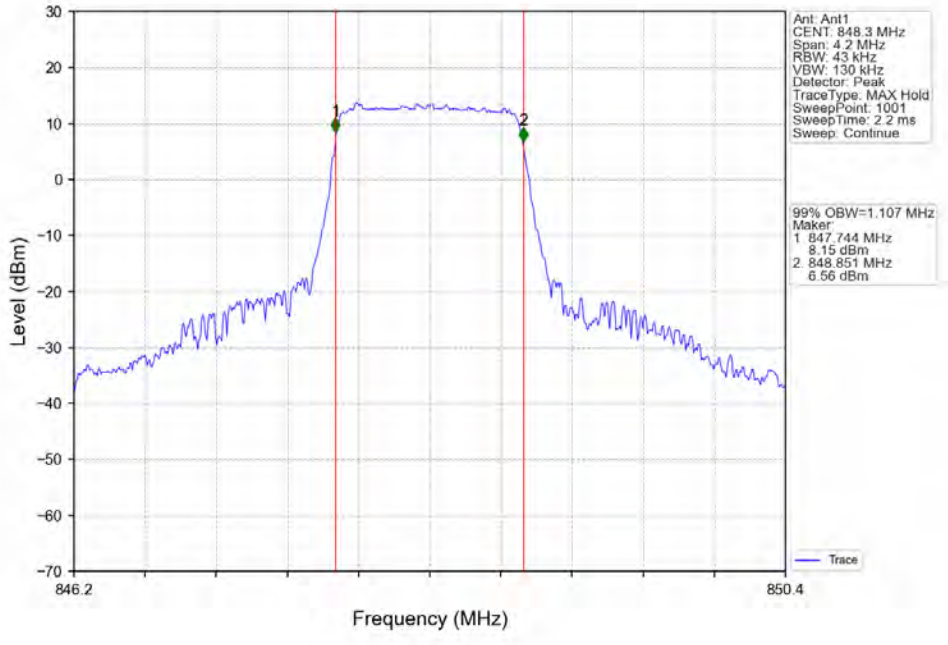
4.1.1 Test Result

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	1.112	/	Pass
		836.5	6	0	1.114	/	Pass
		848.3	6	0	1.107	/	Pass
	16QAM	824.7	6	0	1.115	/	Pass
		836.5	6	0	1.102	/	Pass
		848.3	6	0	1.112	/	Pass
3	QPSK	825.5	15	0	2.722	/	Pass
		836.5	15	0	2.736	/	Pass
		847.5	15	0	2.718	/	Pass
	16QAM	825.5	15	0	2.716	/	Pass
		836.5	15	0	2.725	/	Pass
		847.5	15	0	2.725	/	Pass
5	QPSK	826.5	25	0	4.566	/	Pass
		836.5	25	0	4.551	/	Pass
		846.5	25	0	4.558	/	Pass
	16QAM	826.5	25	0	4.588	/	Pass
		836.5	25	0	4.568	/	Pass
		846.5	25	0	4.556	/	Pass
10	QPSK	829	50	0	9.106	/	Pass
		836.5	50	0	9.067	/	Pass
		844	50	0	9.082	/	Pass
	16QAM	829	50	0	9.080	/	Pass
		836.5	50	0	9.071	/	Pass
		844	50	0	9.088	/	Pass

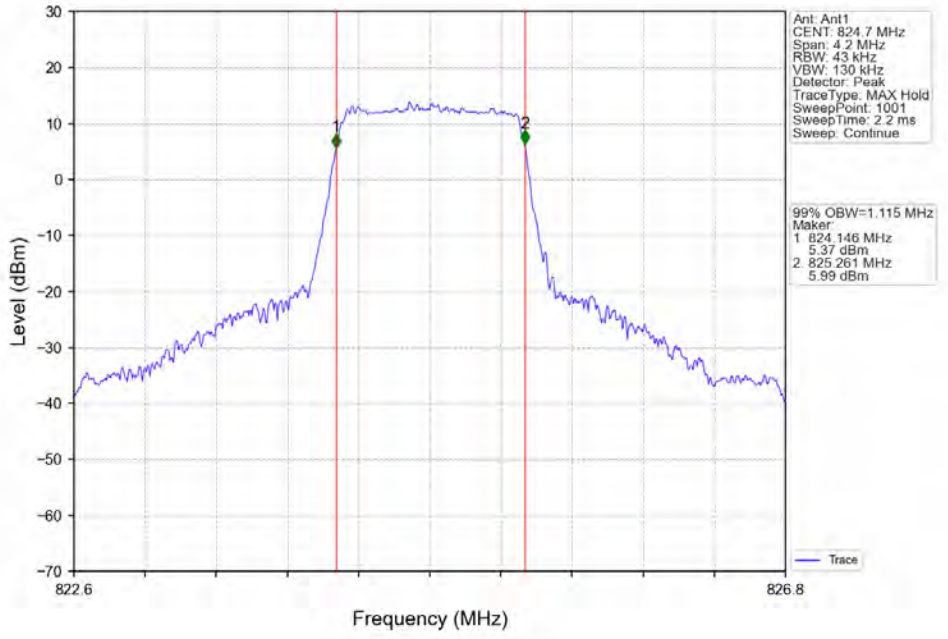
4.1.2 Test Graph



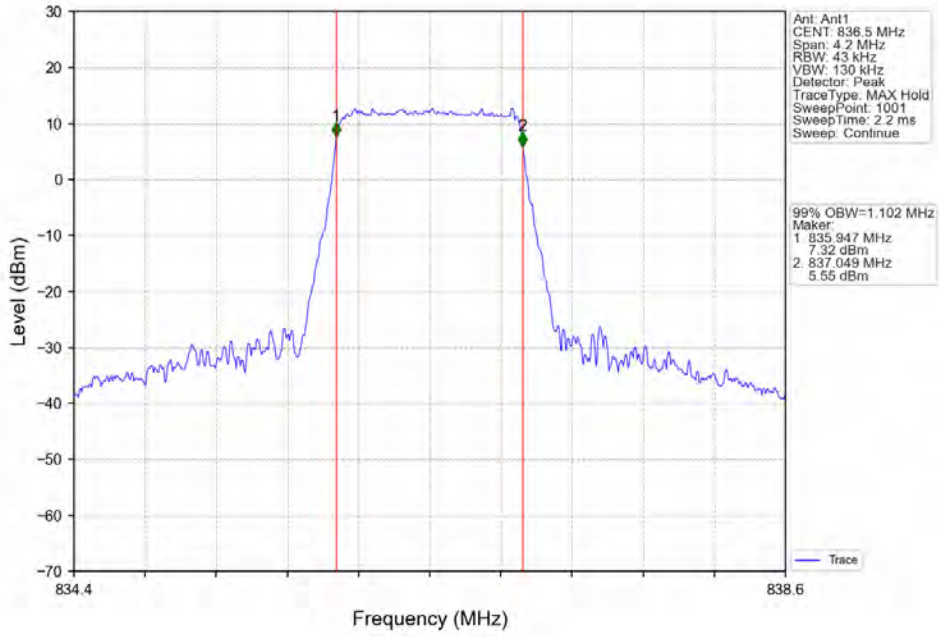
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



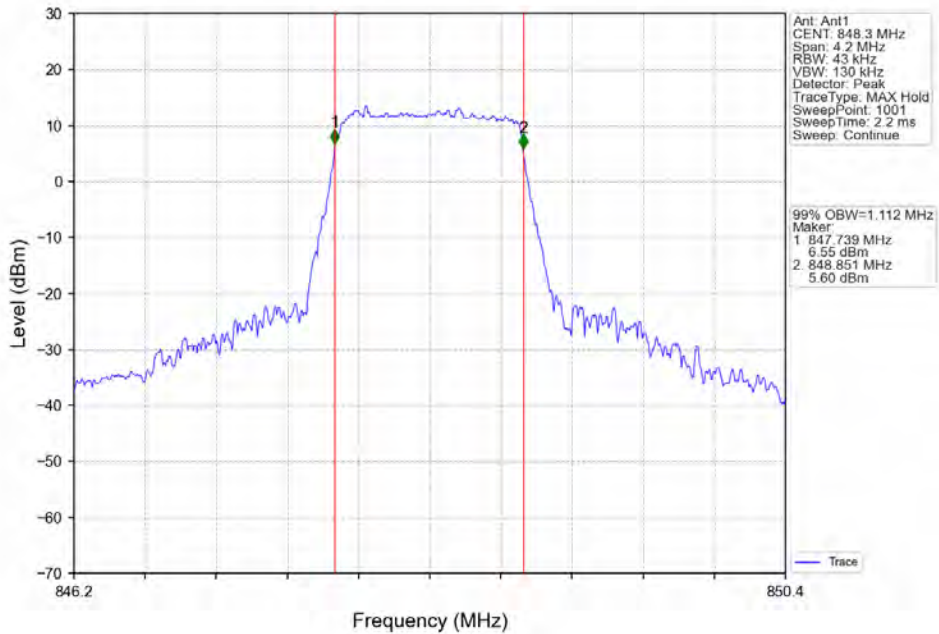
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



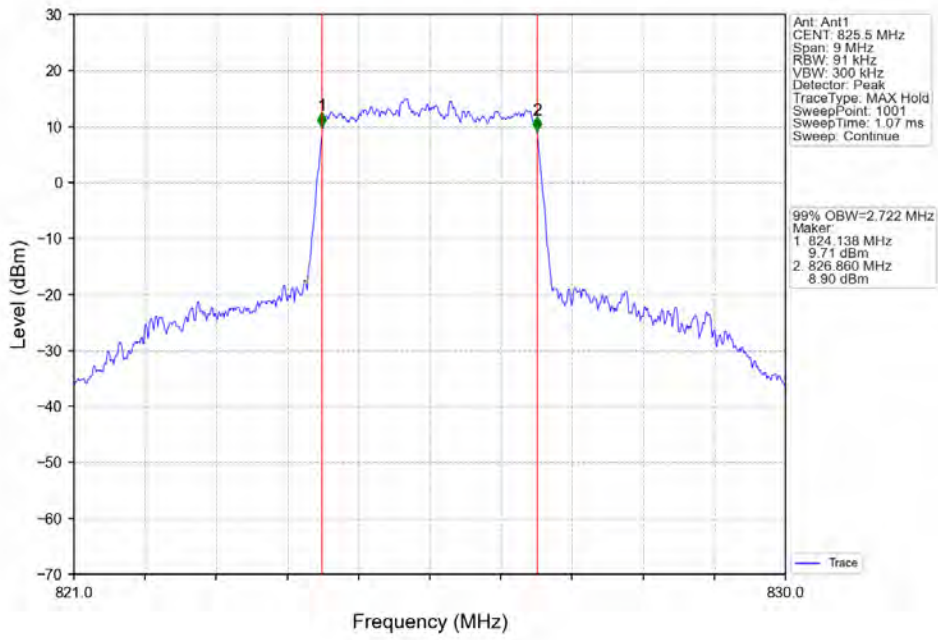
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



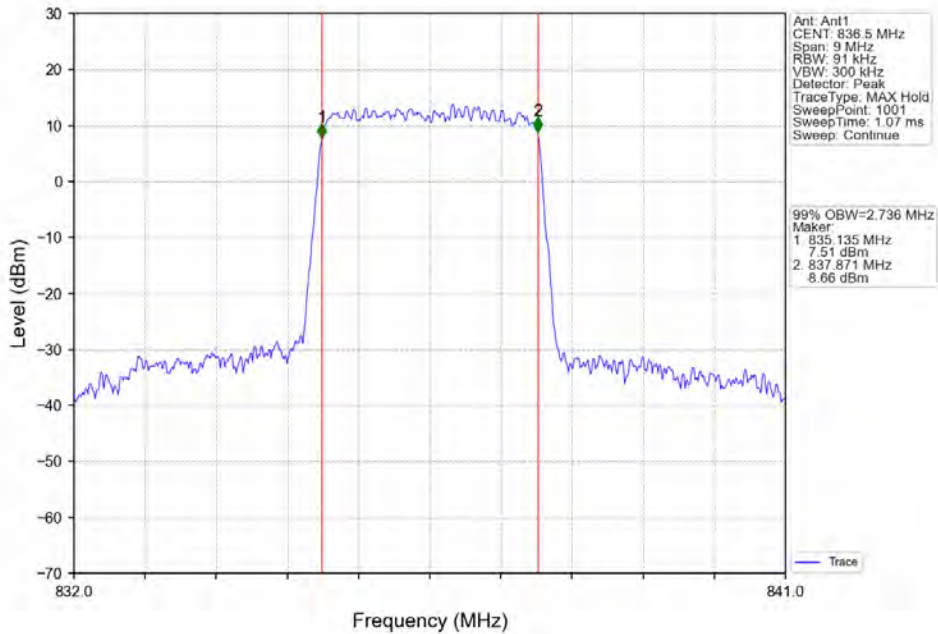
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



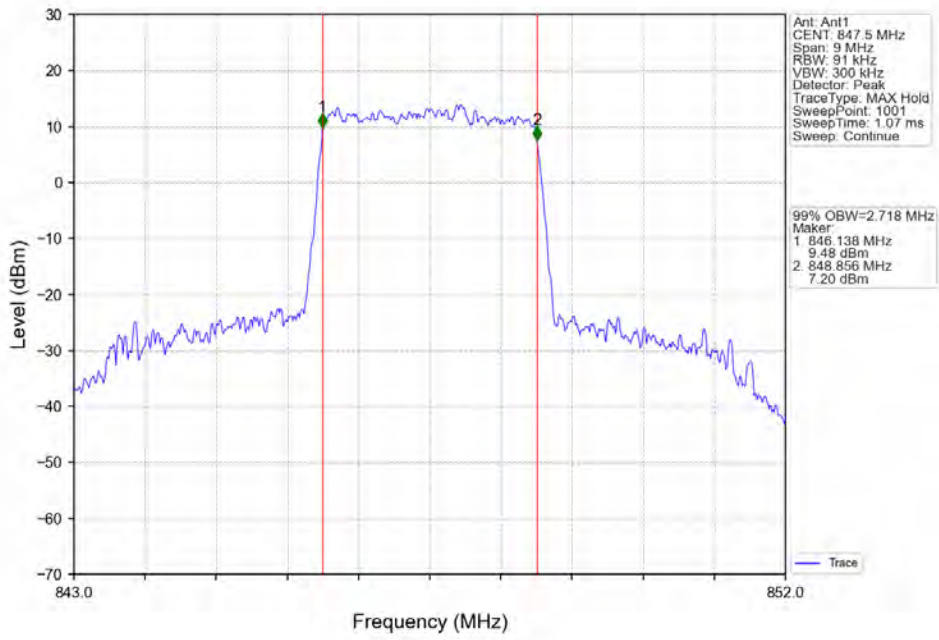
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



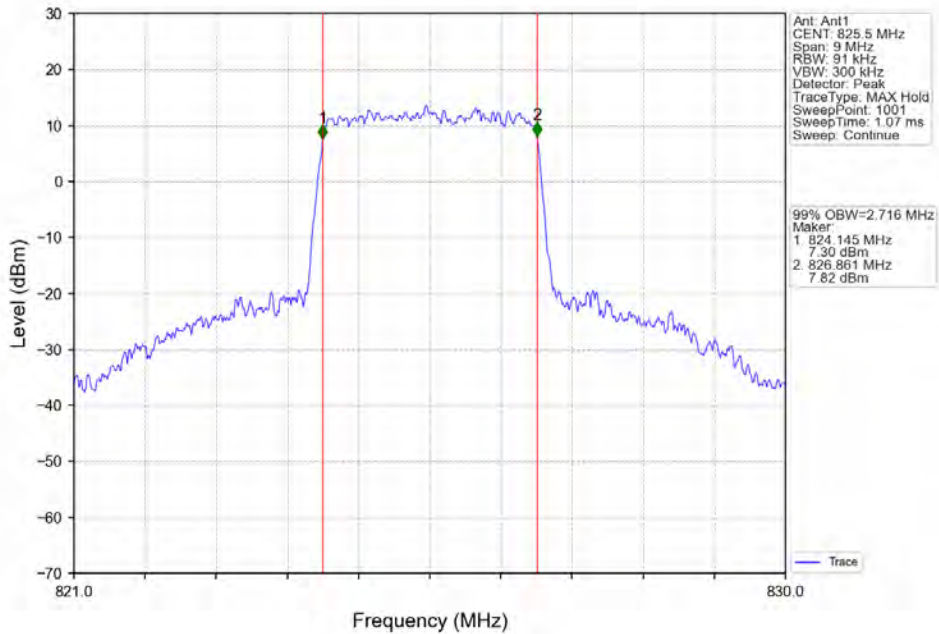
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



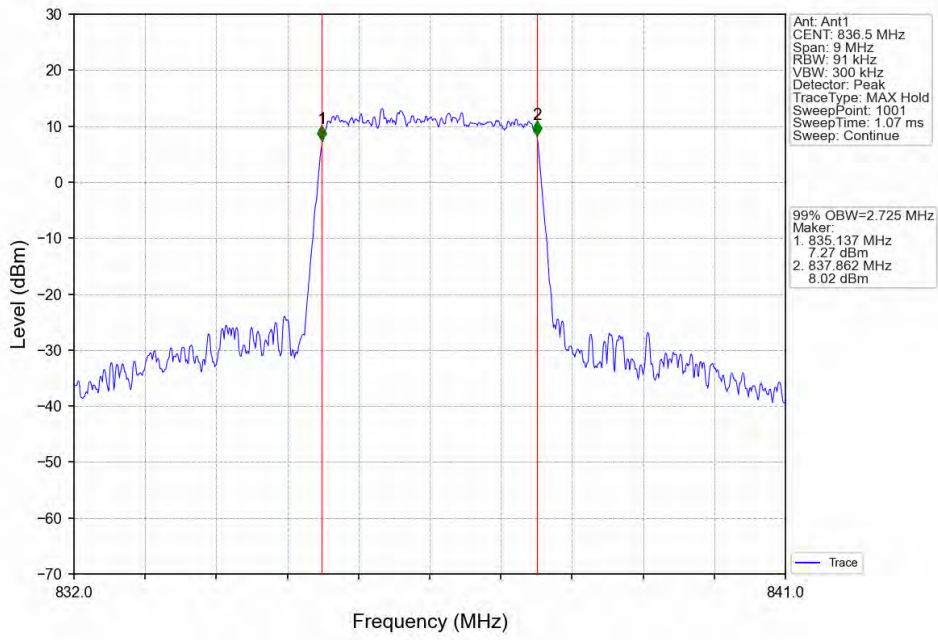
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



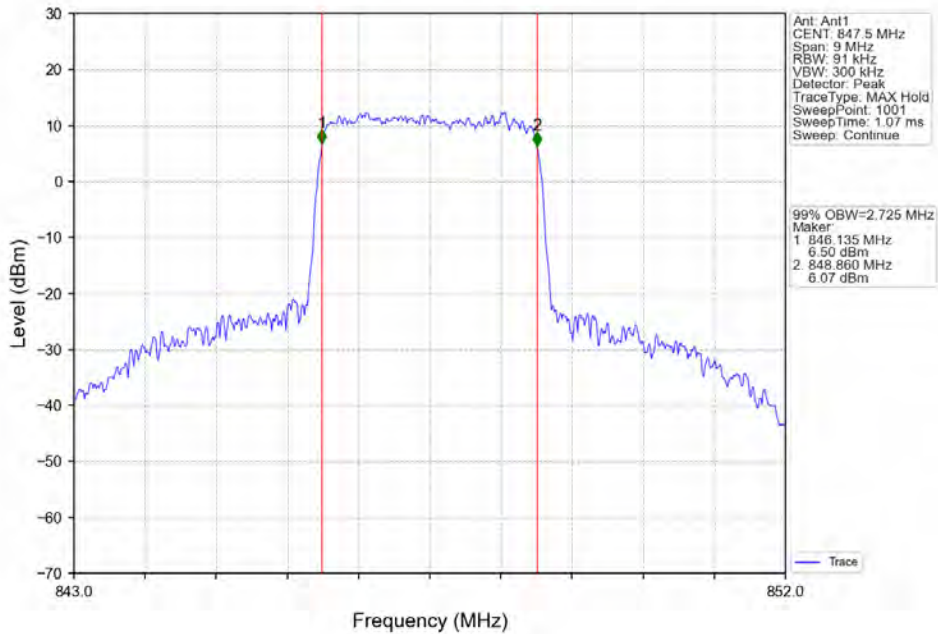
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



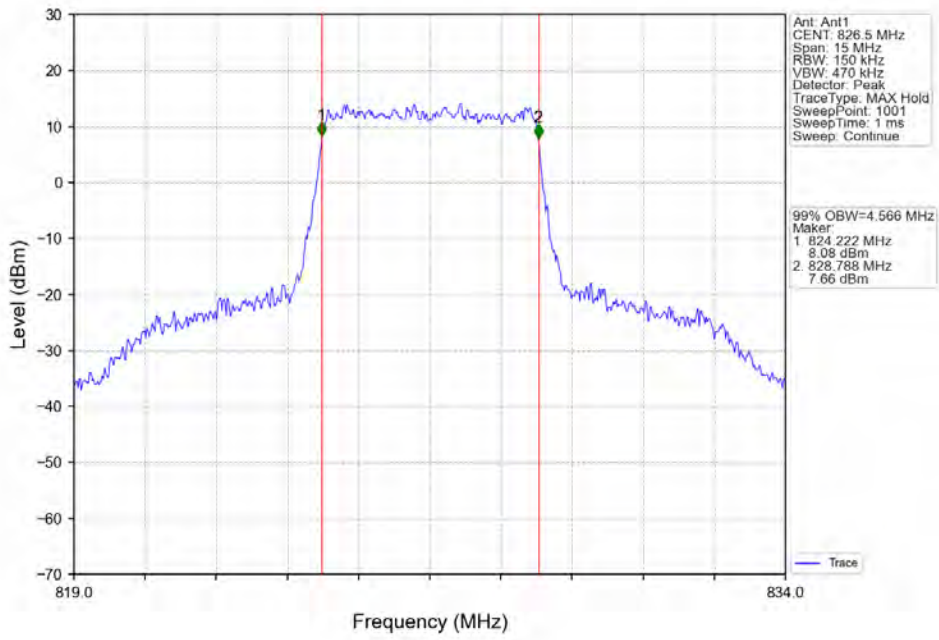
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



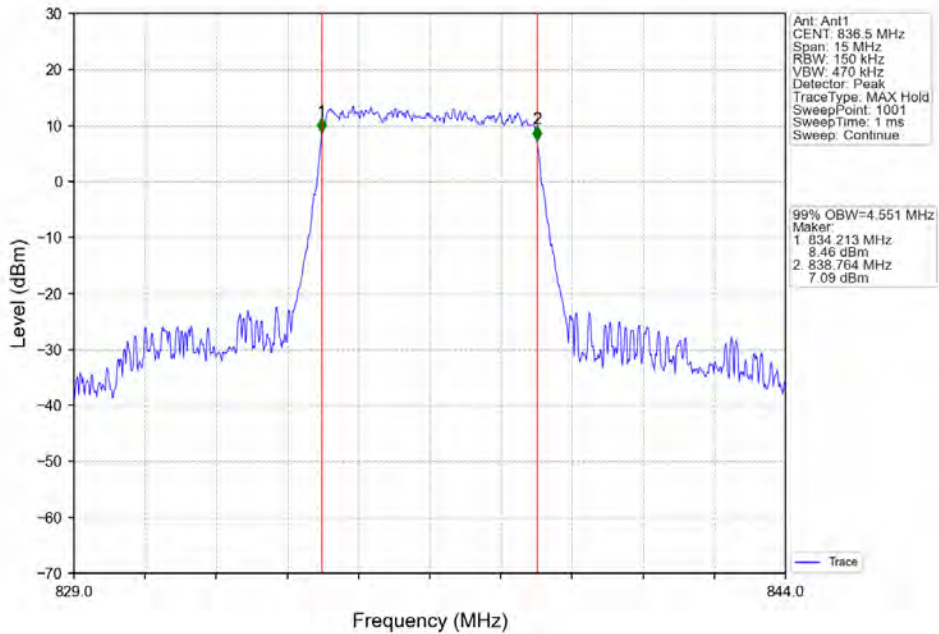
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



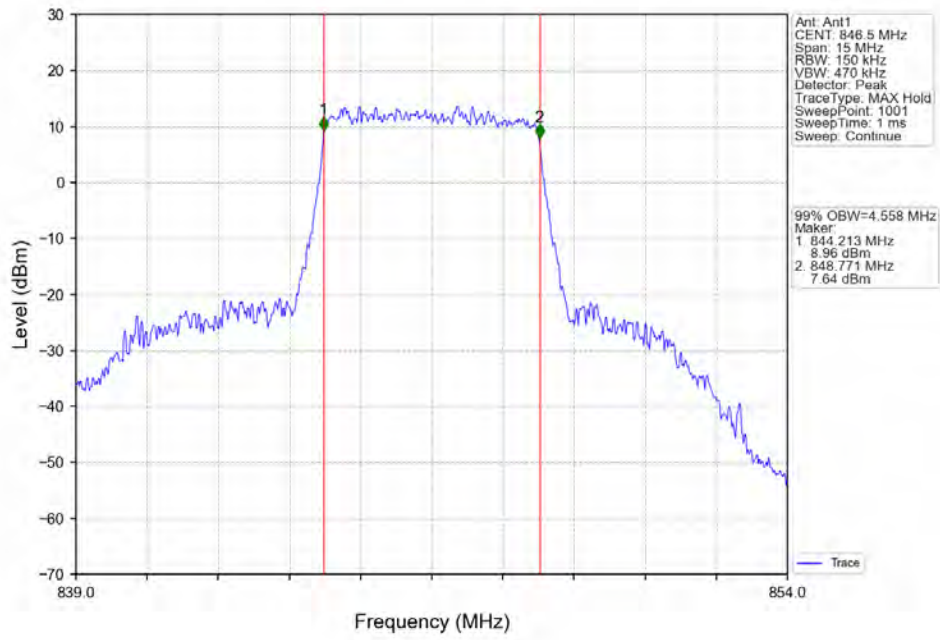
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



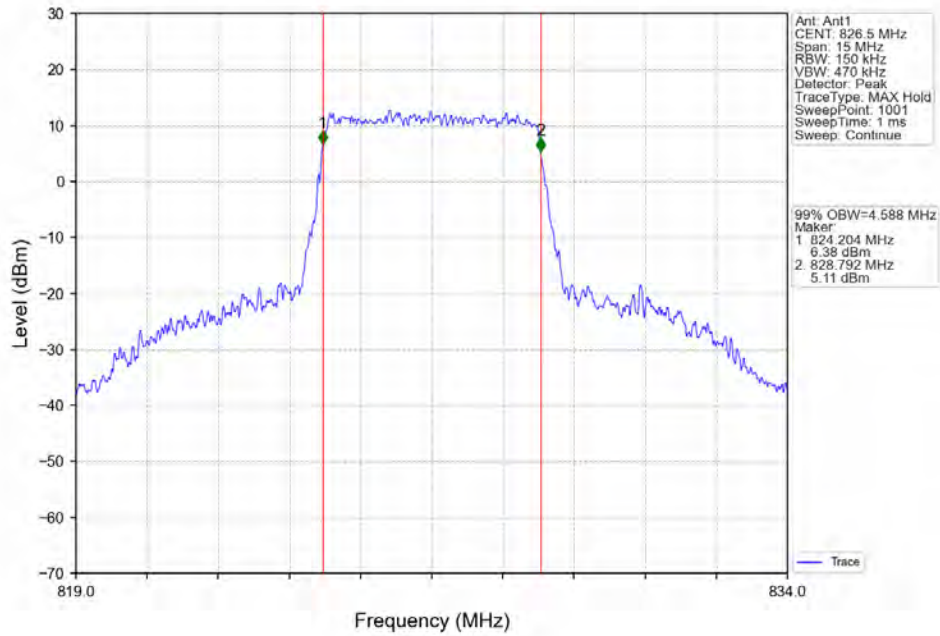
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



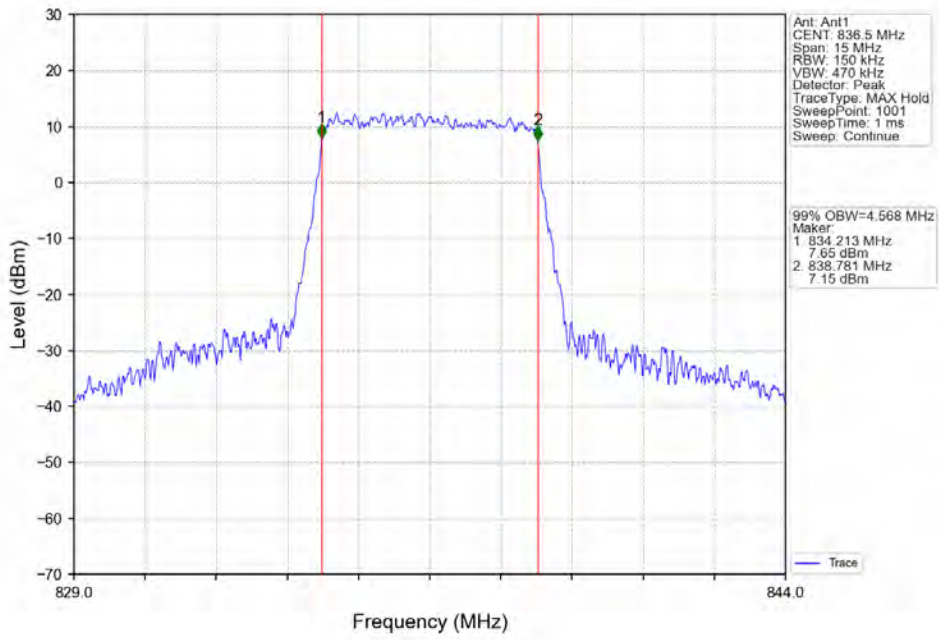
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



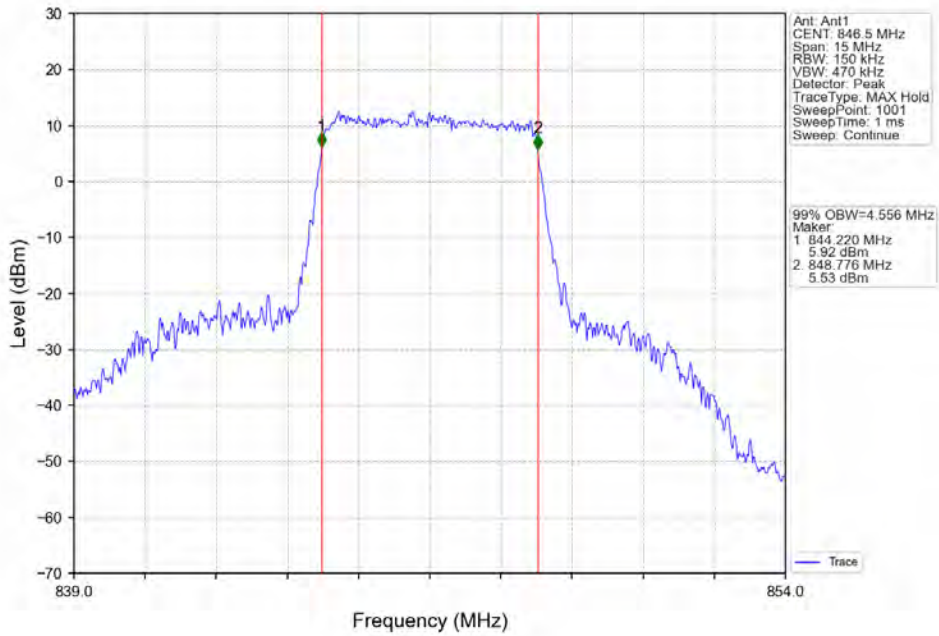
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



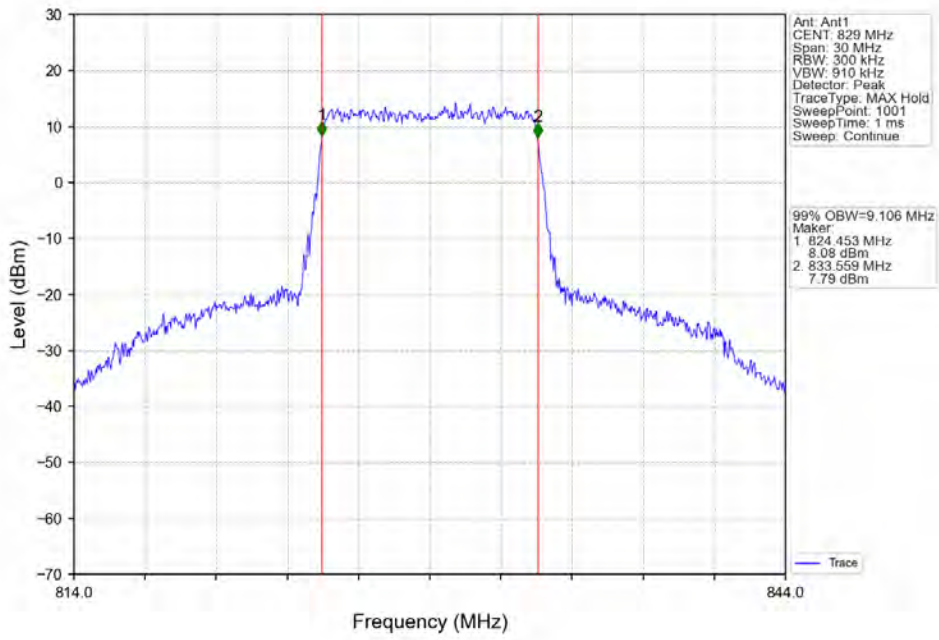
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



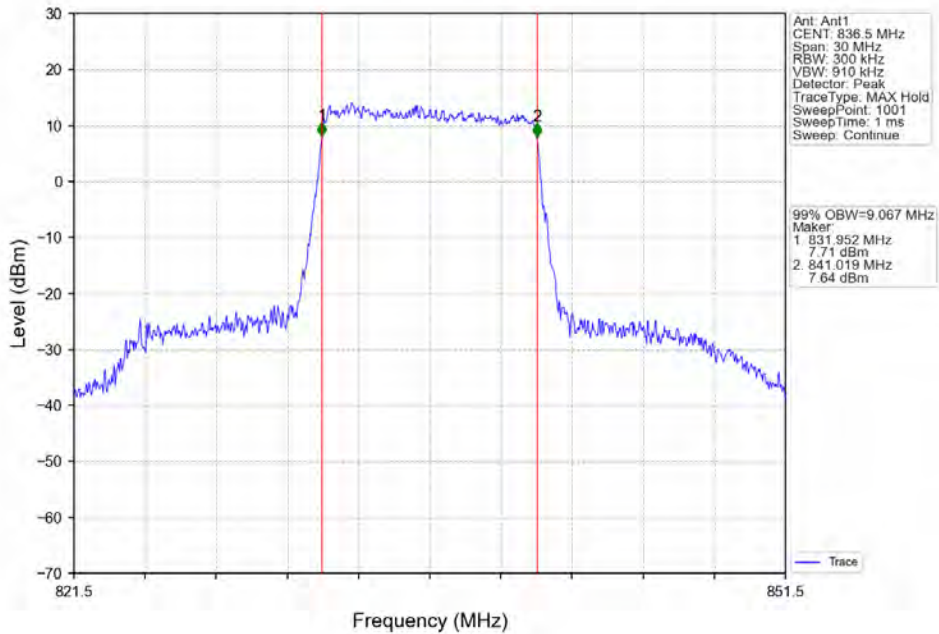
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



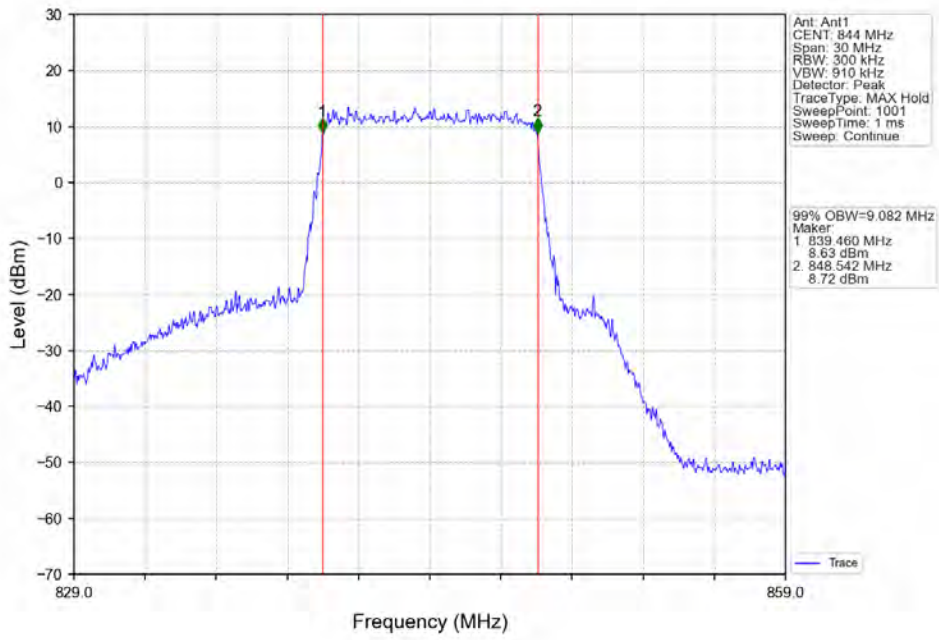
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



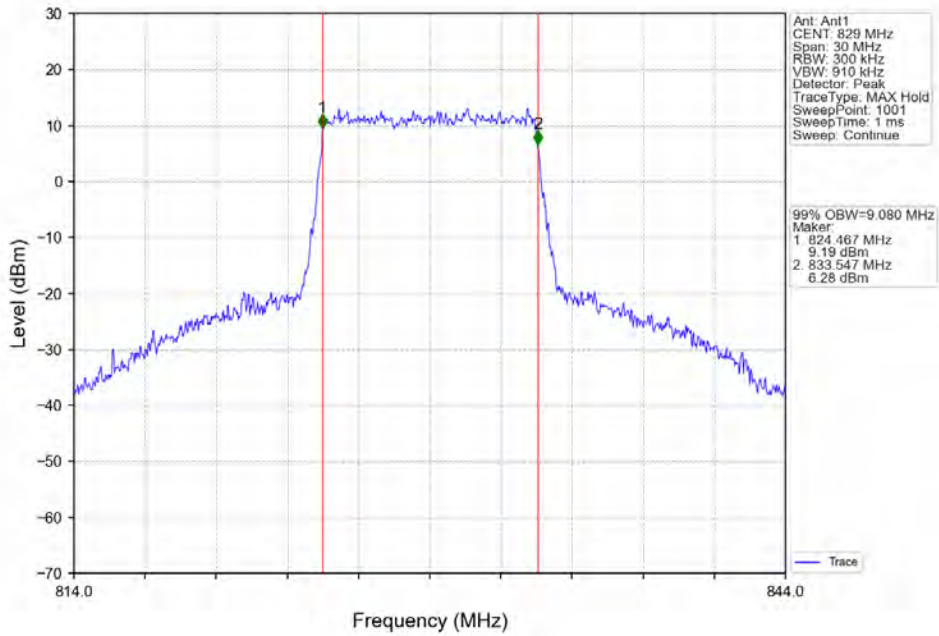
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



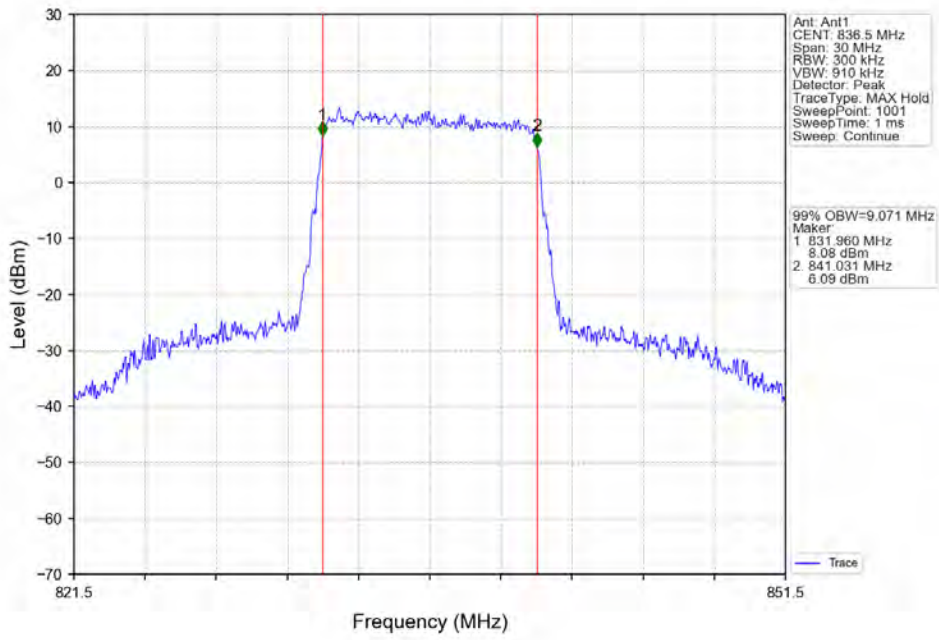
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



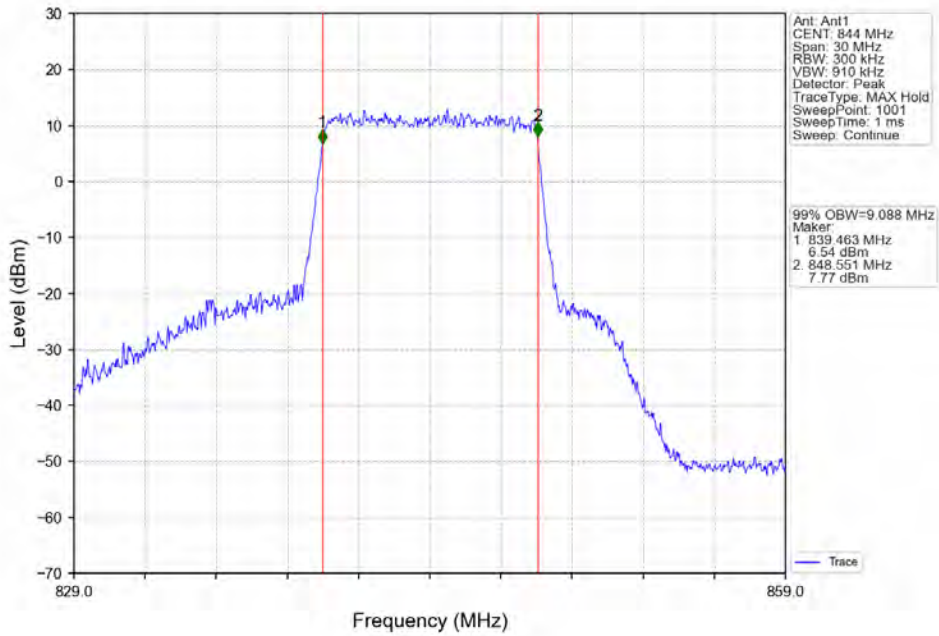
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

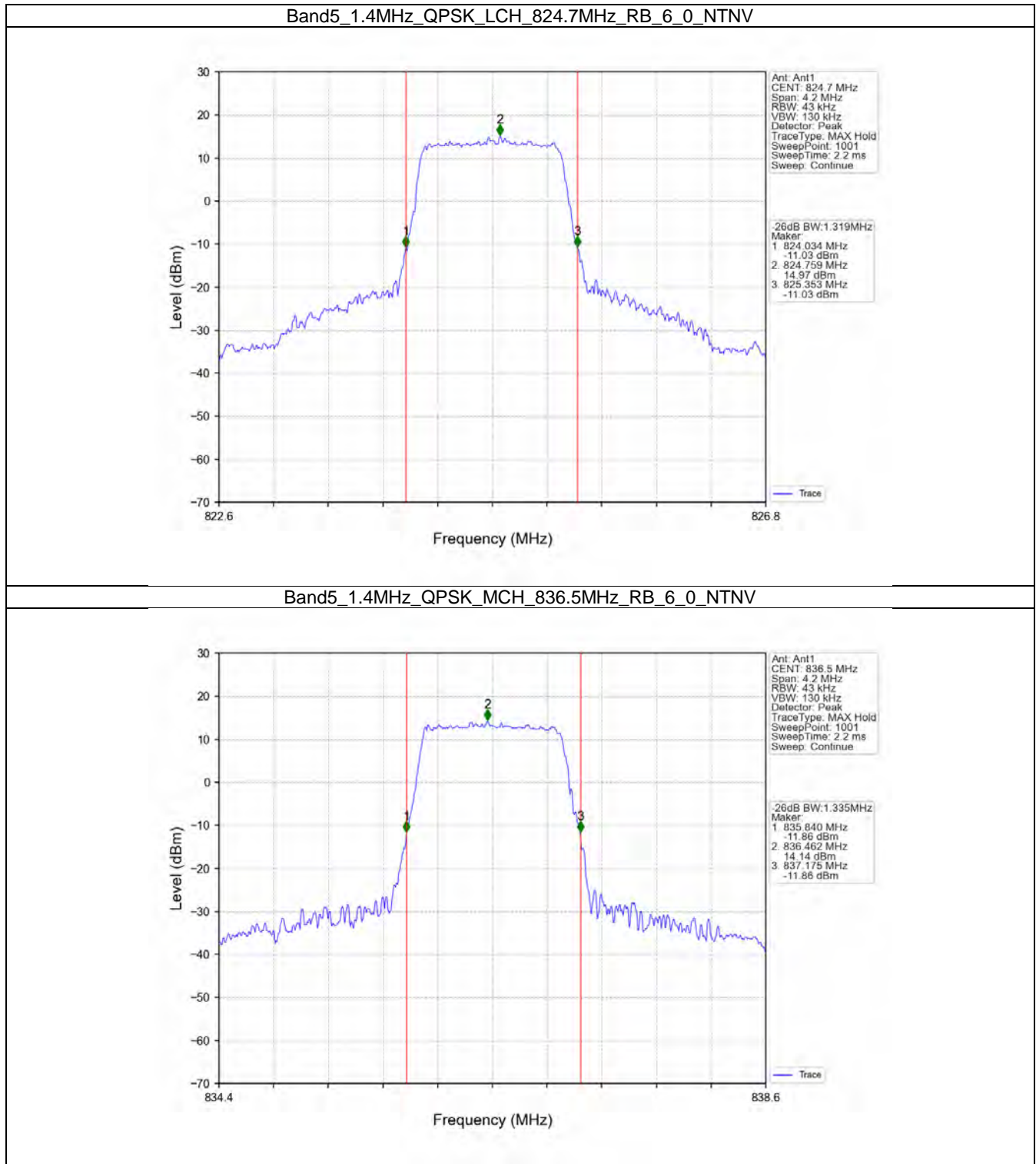


4.2 Band5_XDB

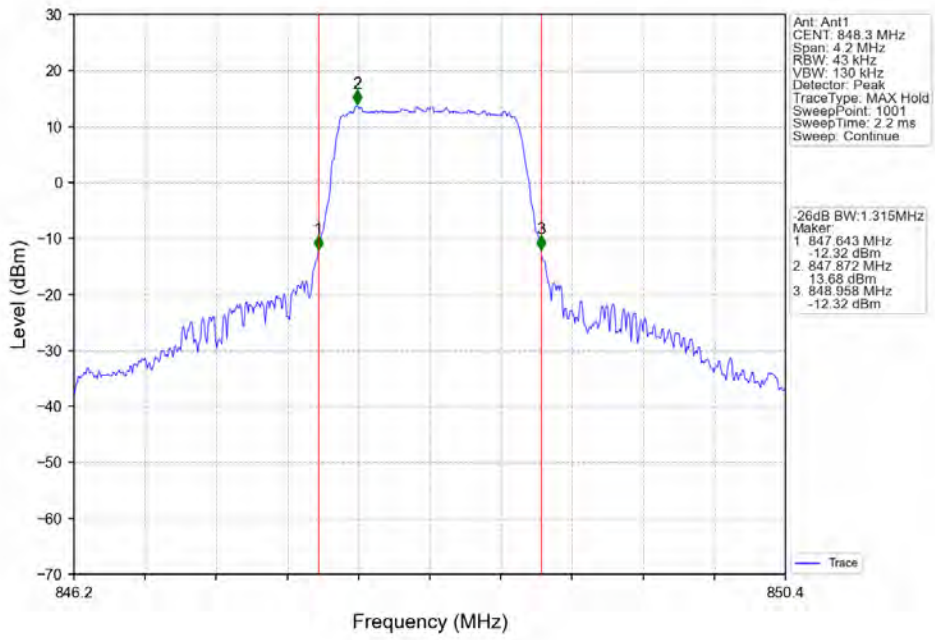
4.2.1 Test Result

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.319	/	Pass
		836.5	6	0	1.335	/	Pass
		848.3	6	0	1.315	/	Pass
	16QAM	824.7	6	0	1.313	/	Pass
		836.5	6	0	1.313	/	Pass
		848.3	6	0	1.330	/	Pass
3	QPSK	825.5	15	0	2.981	/	Pass
		836.5	15	0	3.004	/	Pass
		847.5	15	0	2.999	/	Pass
	16QAM	825.5	15	0	2.990	/	Pass
		836.5	15	0	2.992	/	Pass
		847.5	15	0	2.979	/	Pass
5	QPSK	826.5	25	0	5.215	/	Pass
		836.5	25	0	5.207	/	Pass
		846.5	25	0	5.261	/	Pass
	16QAM	826.5	25	0	5.358	/	Pass
		836.5	25	0	5.255	/	Pass
		846.5	25	0	5.190	/	Pass
10	QPSK	829	50	0	10.261	/	Pass
		836.5	50	0	10.176	/	Pass
		844	50	0	10.236	/	Pass
	16QAM	829	50	0	10.269	/	Pass
		836.5	50	0	10.169	/	Pass
		844	50	0	10.169	/	Pass

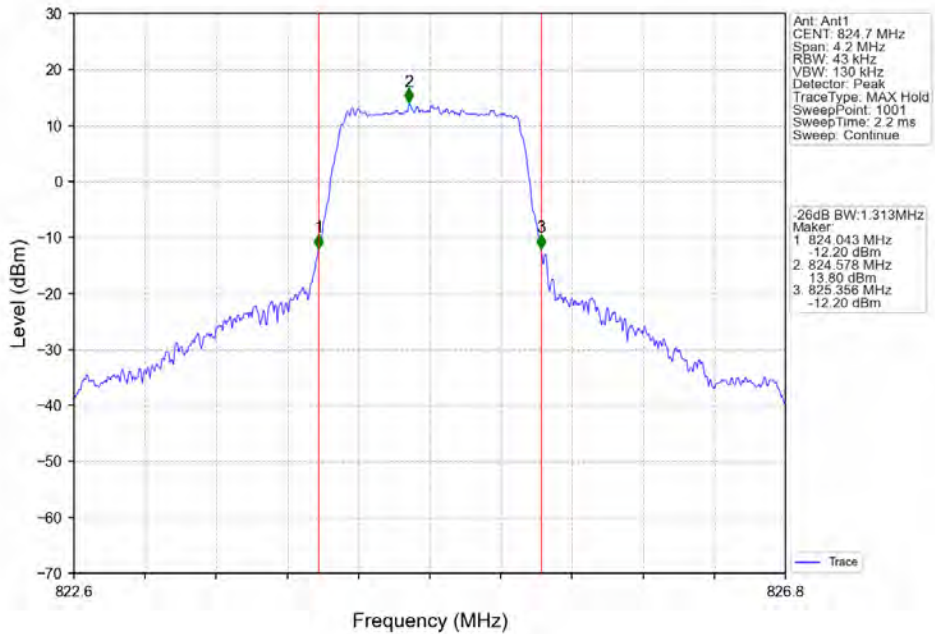
4.2.2 Test Graph



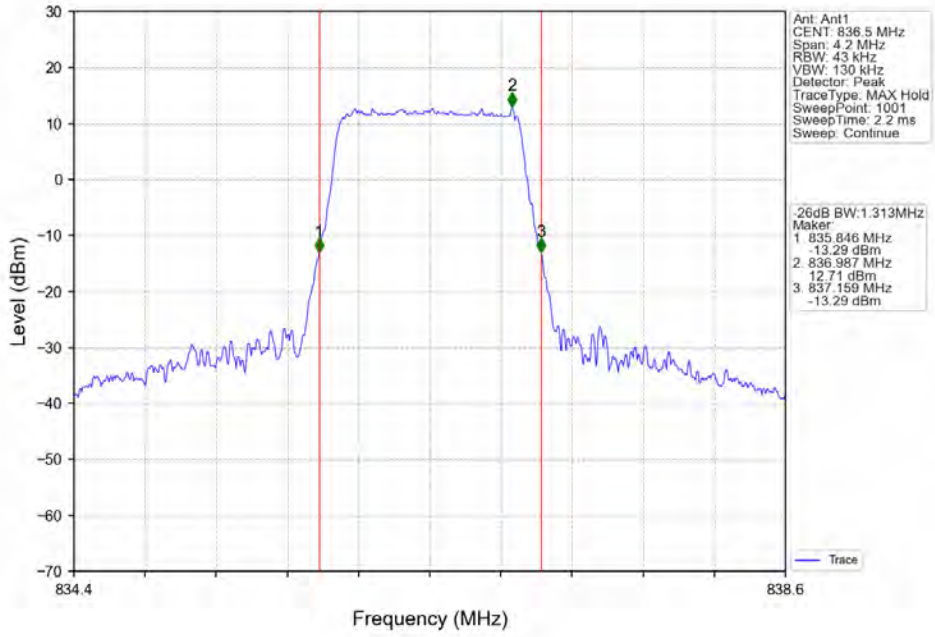
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



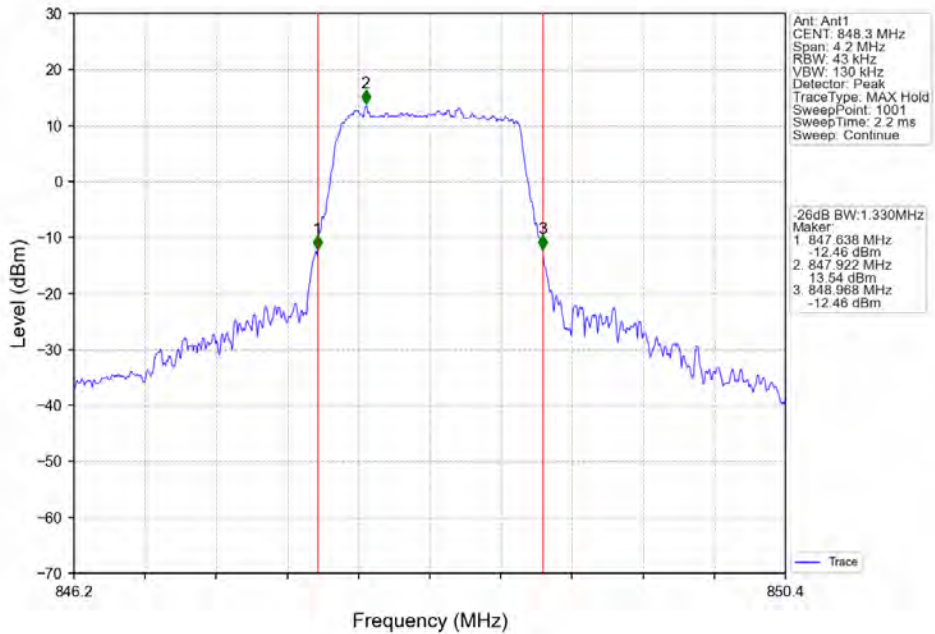
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



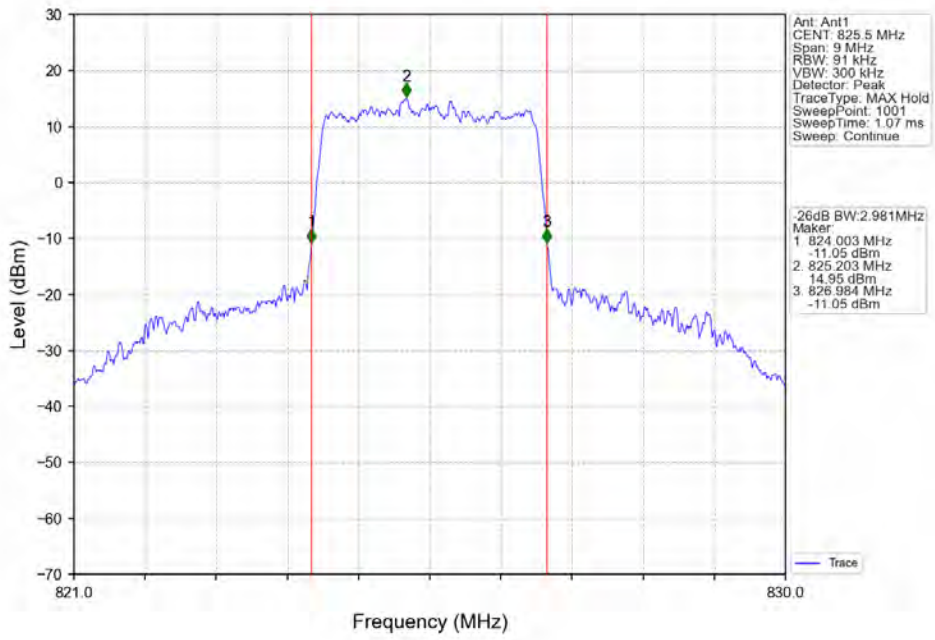
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



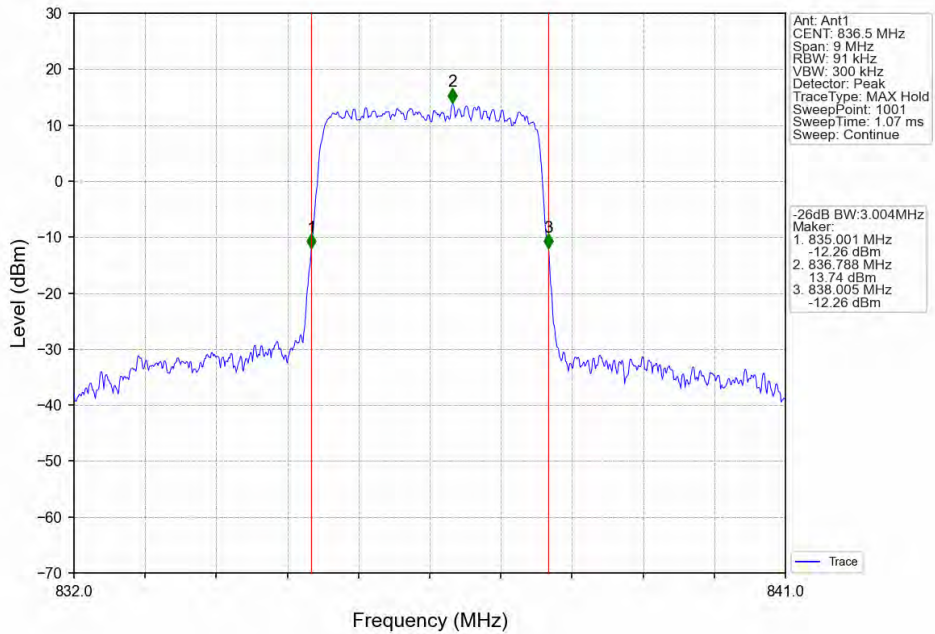
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



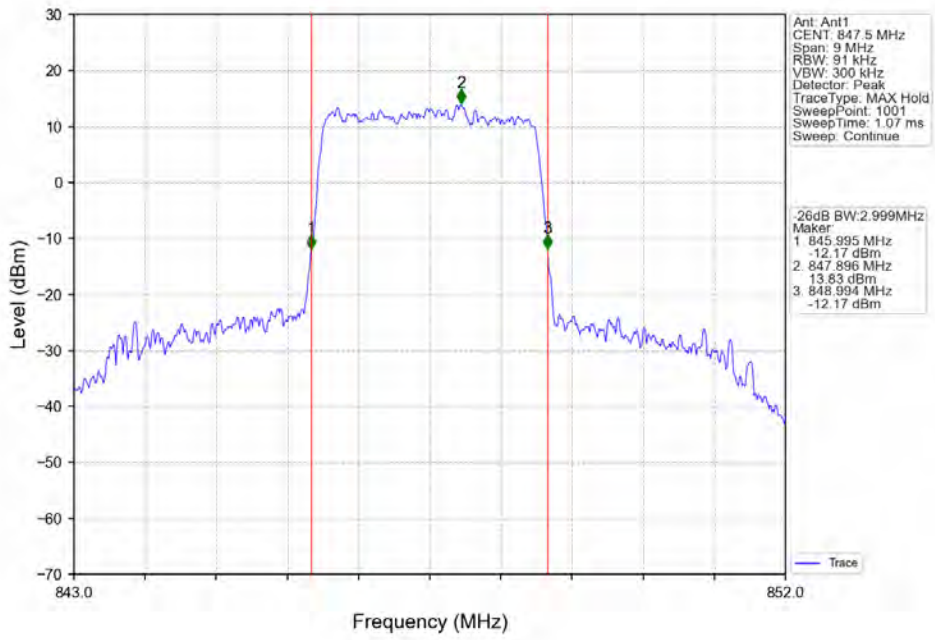
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



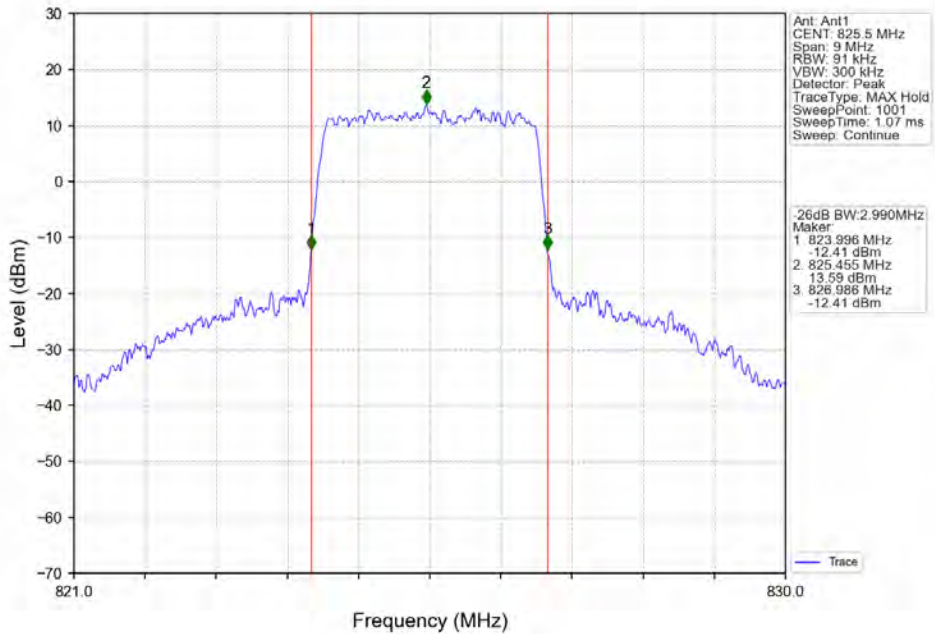
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



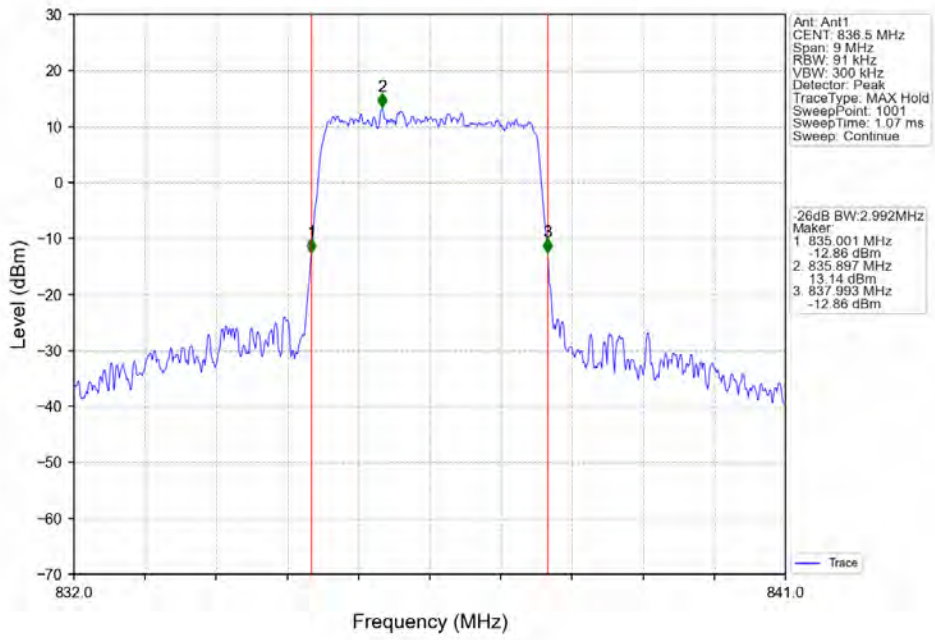
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



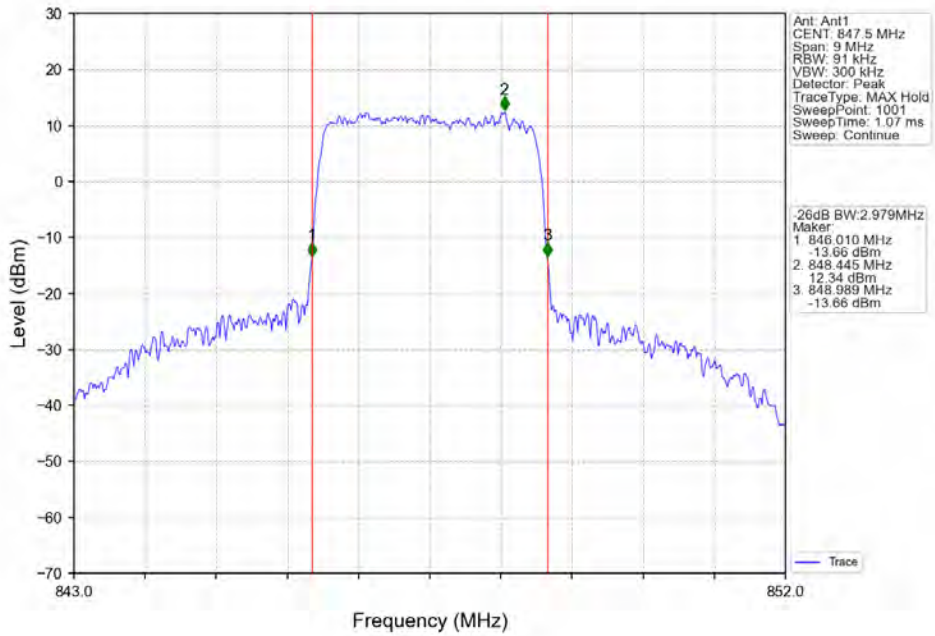
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



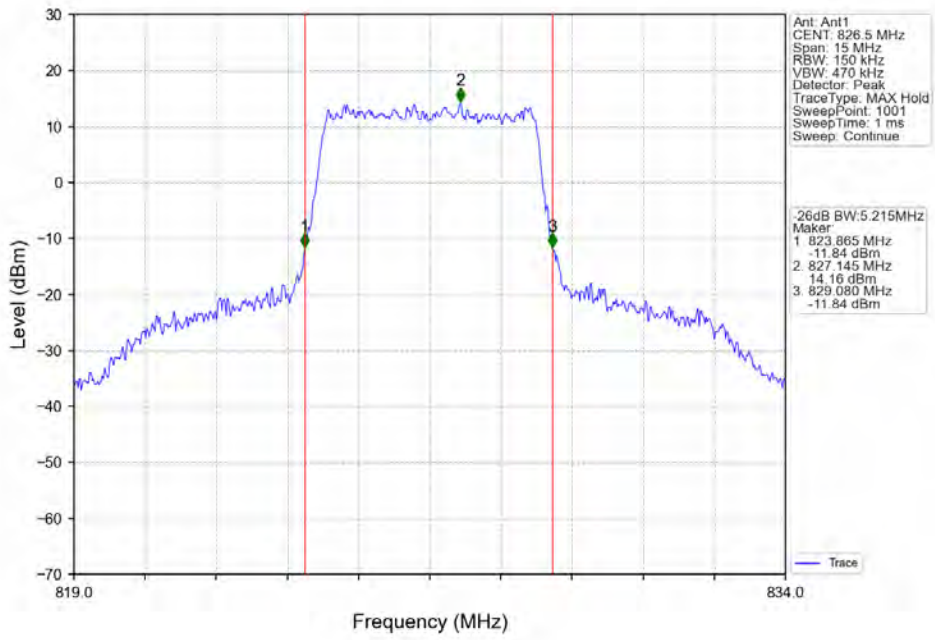
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



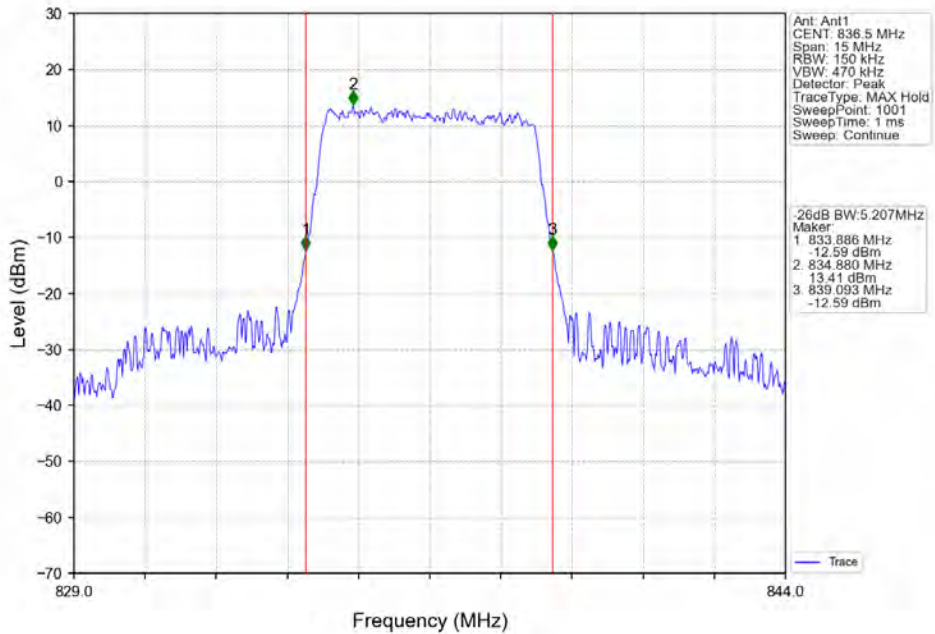
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



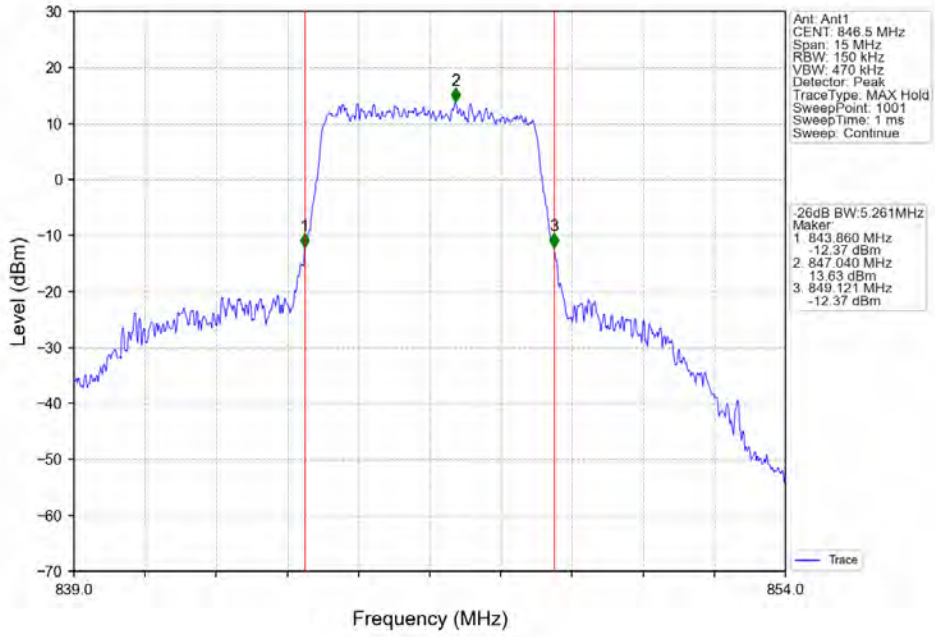
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



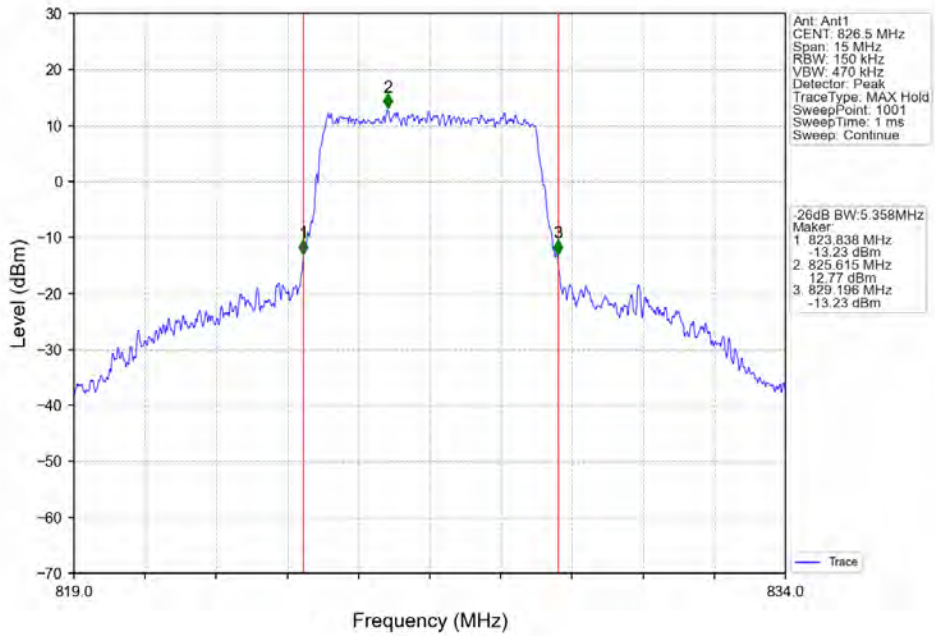
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



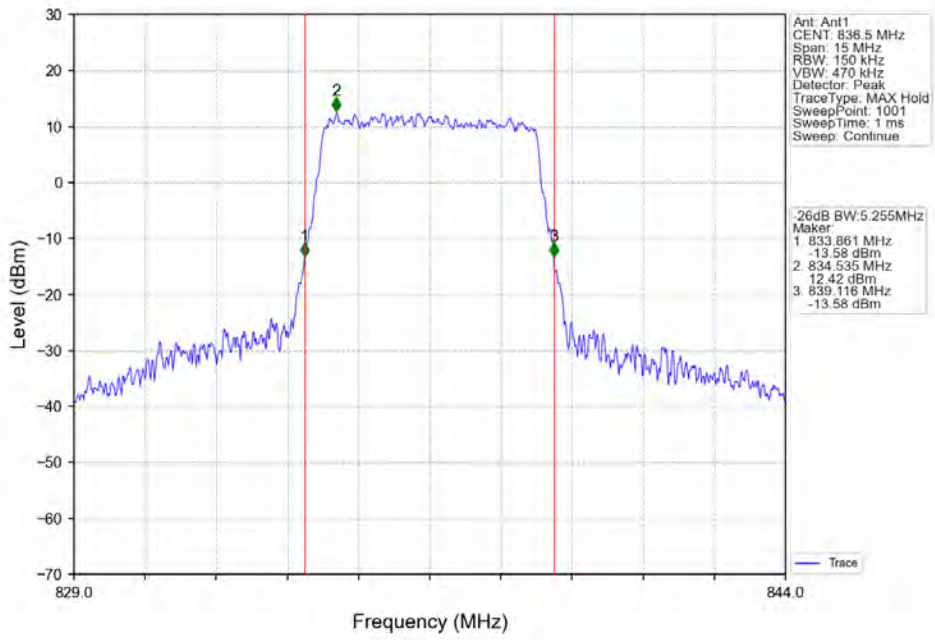
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



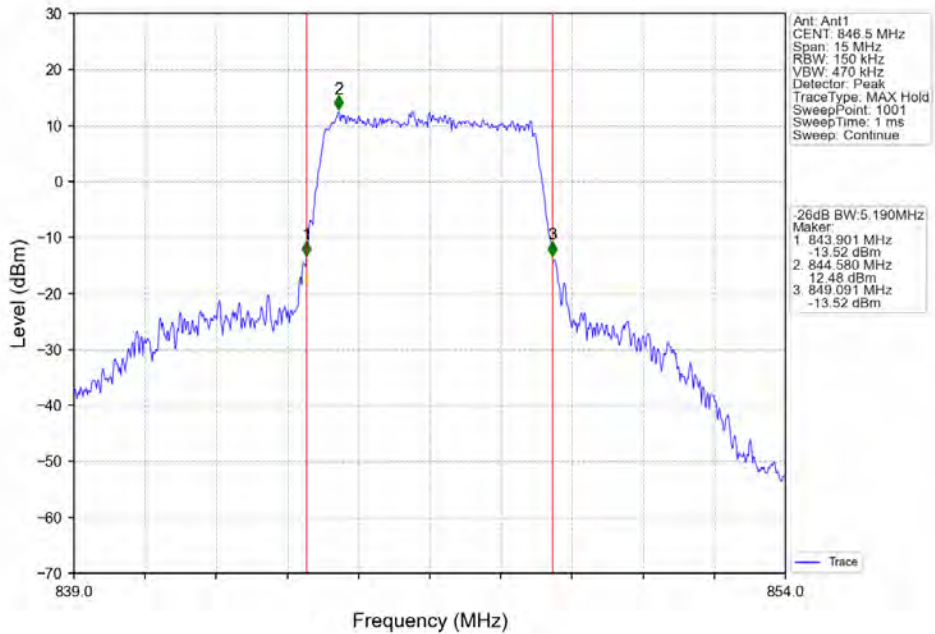
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



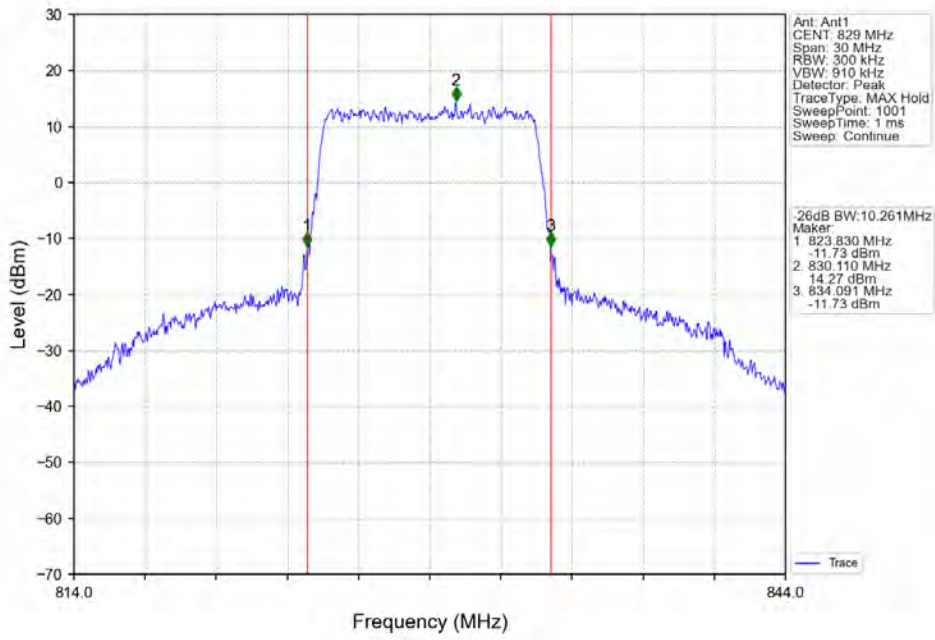
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



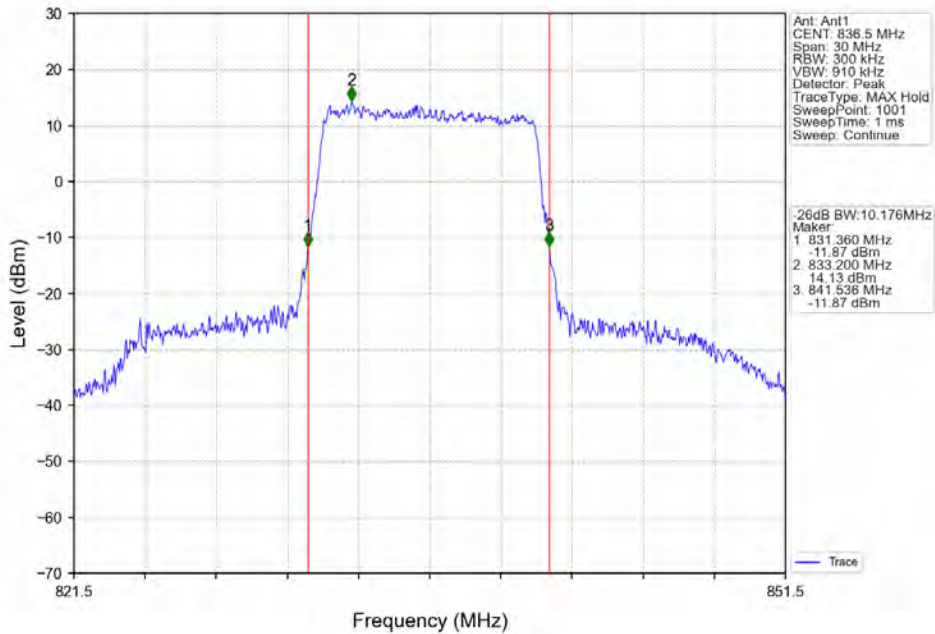
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



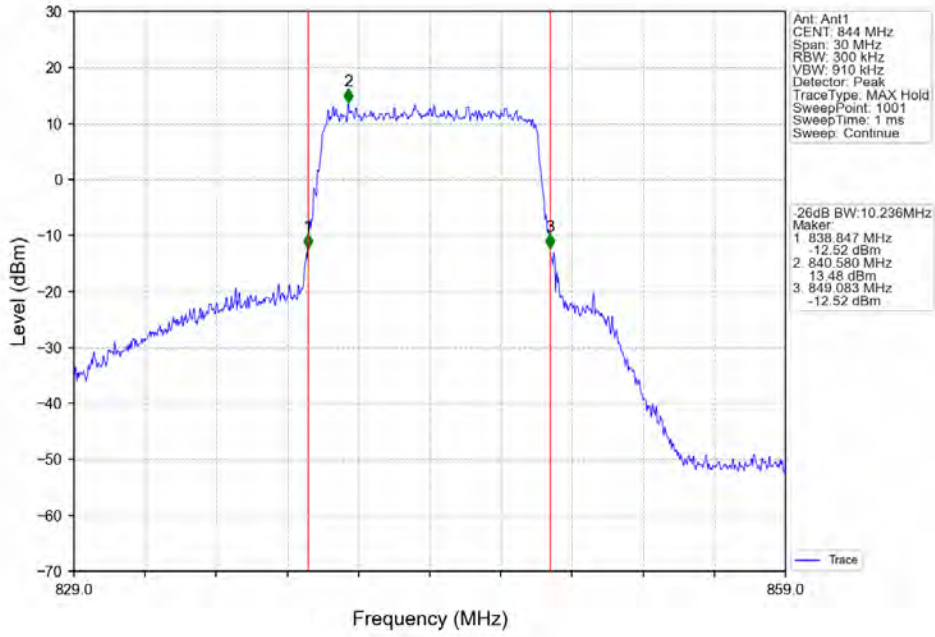
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



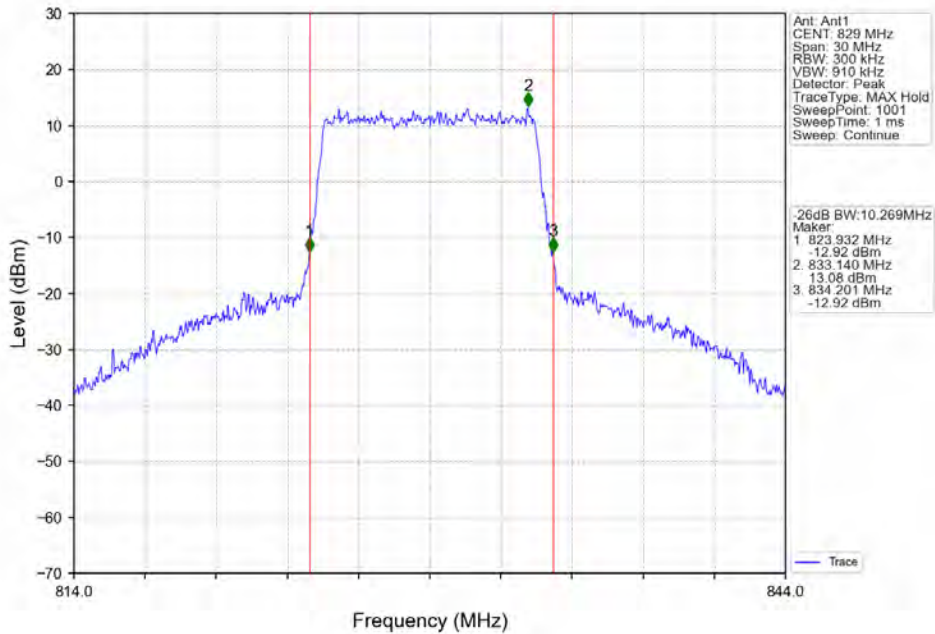
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



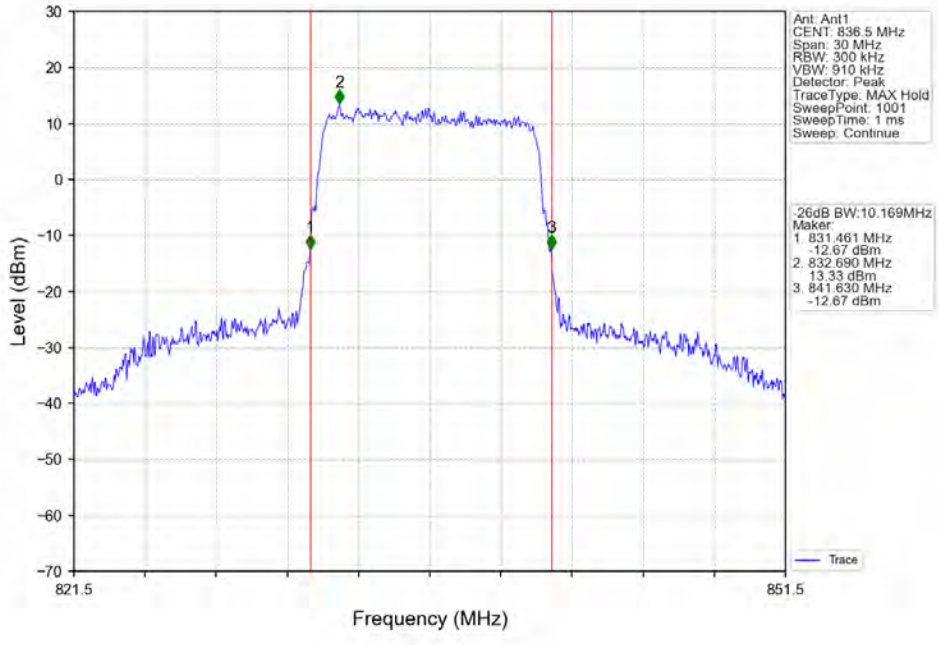
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



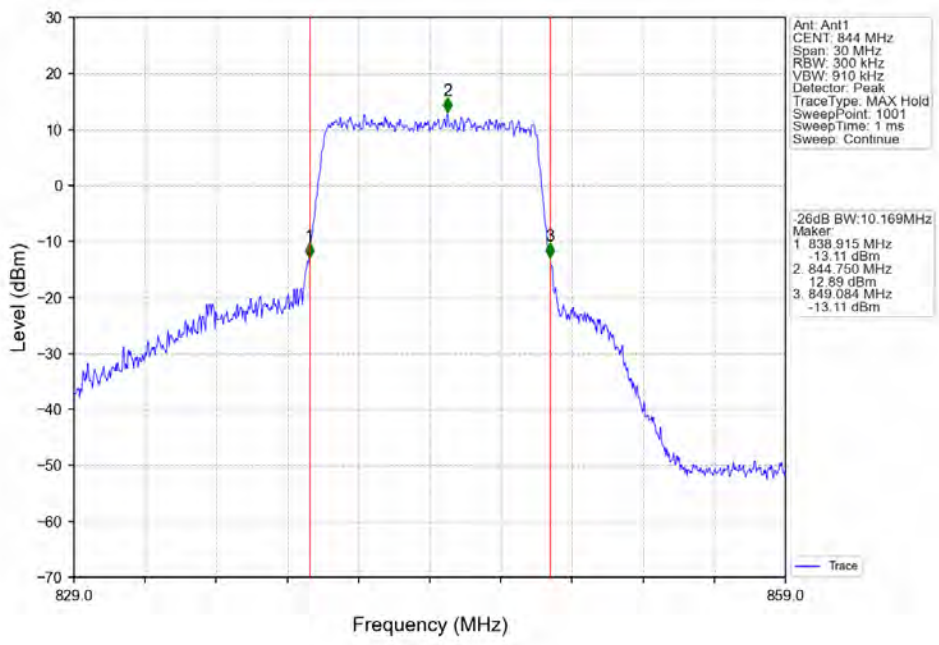
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



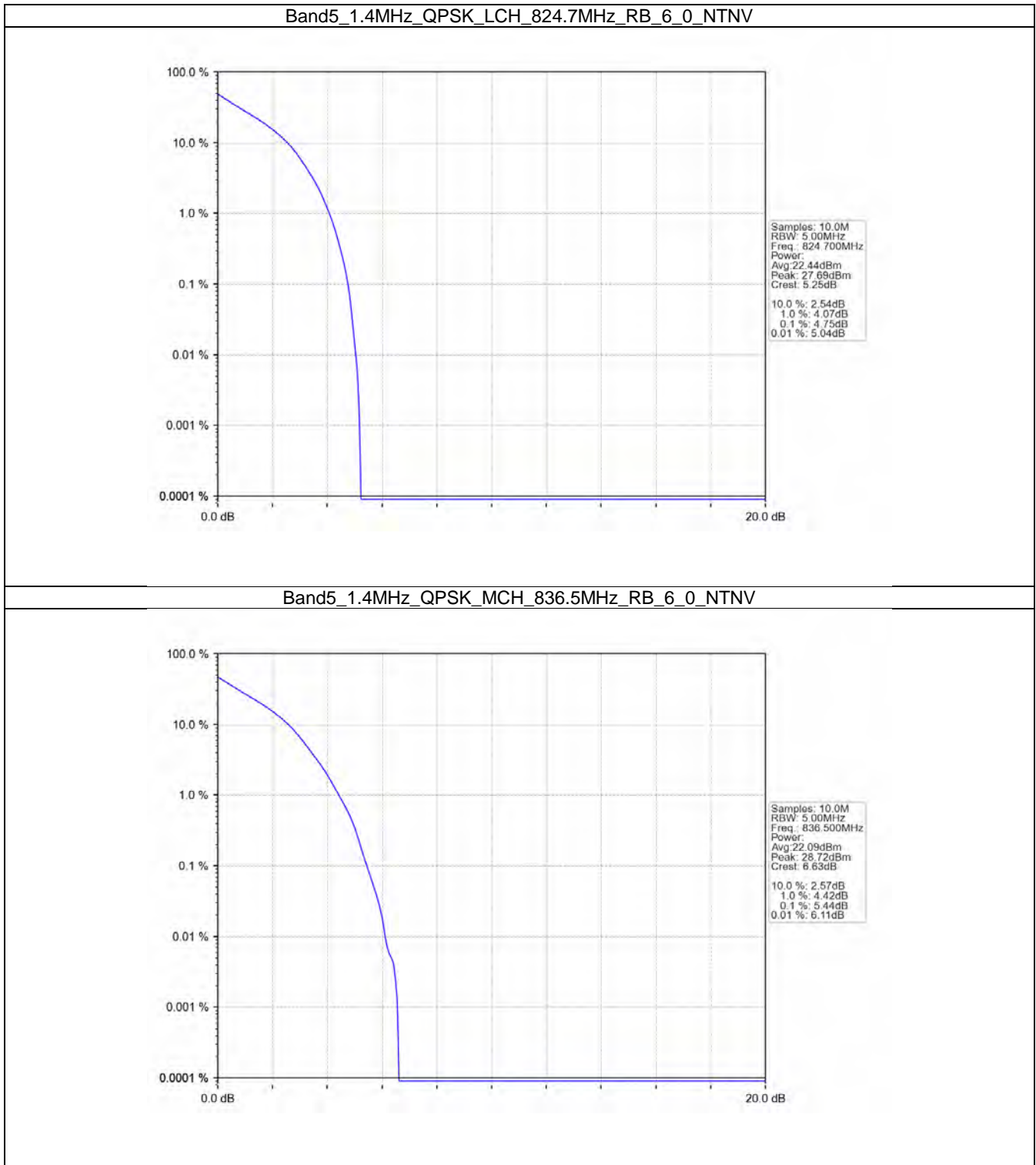
5. Peak-Average Ratio

5.1 B5_1.4MHz

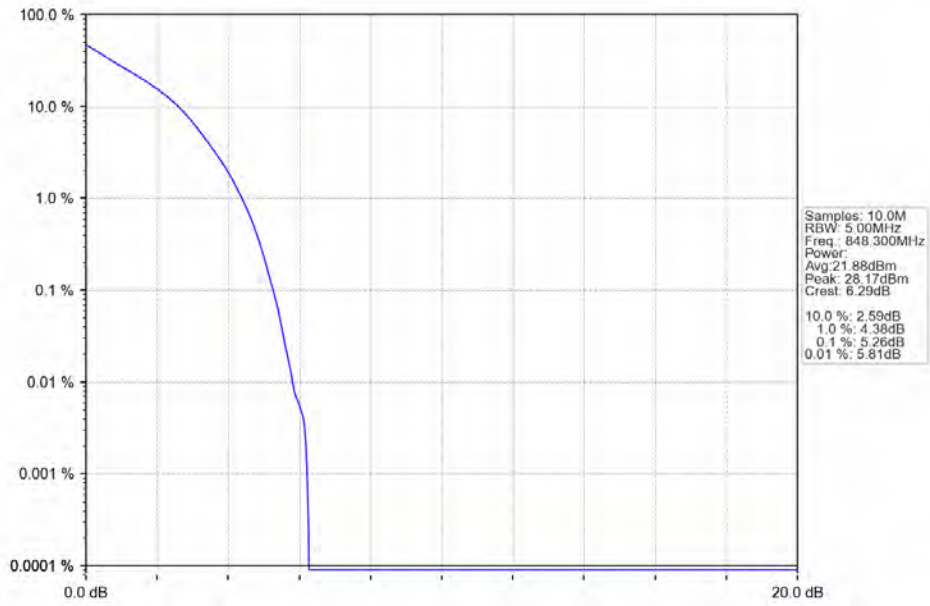
5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	4.75	<=13	Pass
	836.5	6	0	5.44	<=13	Pass
	848.3	6	0	5.26	<=13	Pass
16QAM	824.7	6	0	5.58	<=13	Pass
	836.5	6	0	6.30	<=13	Pass
	848.3	6	0	6.07	<=13	Pass

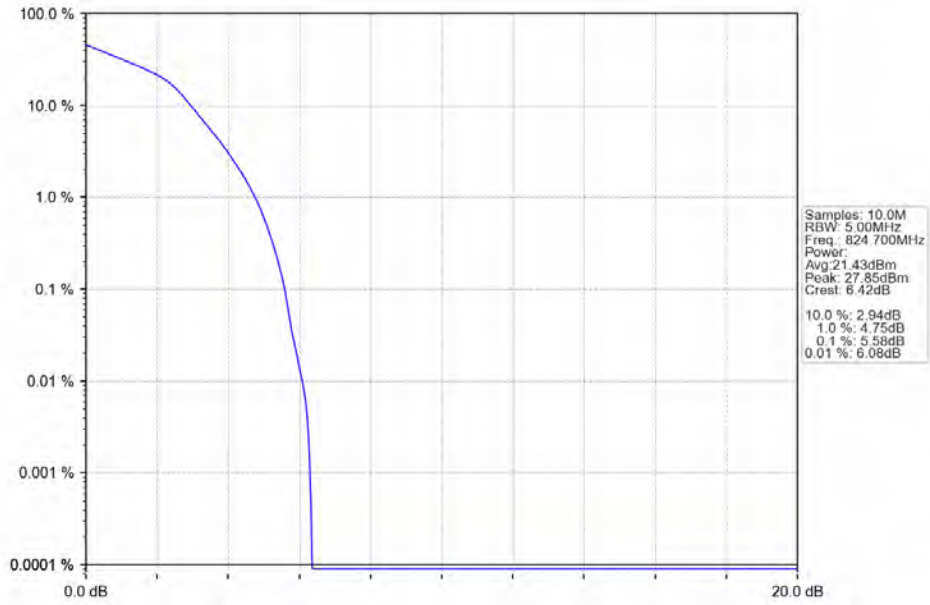
5.1.2 Test Graph



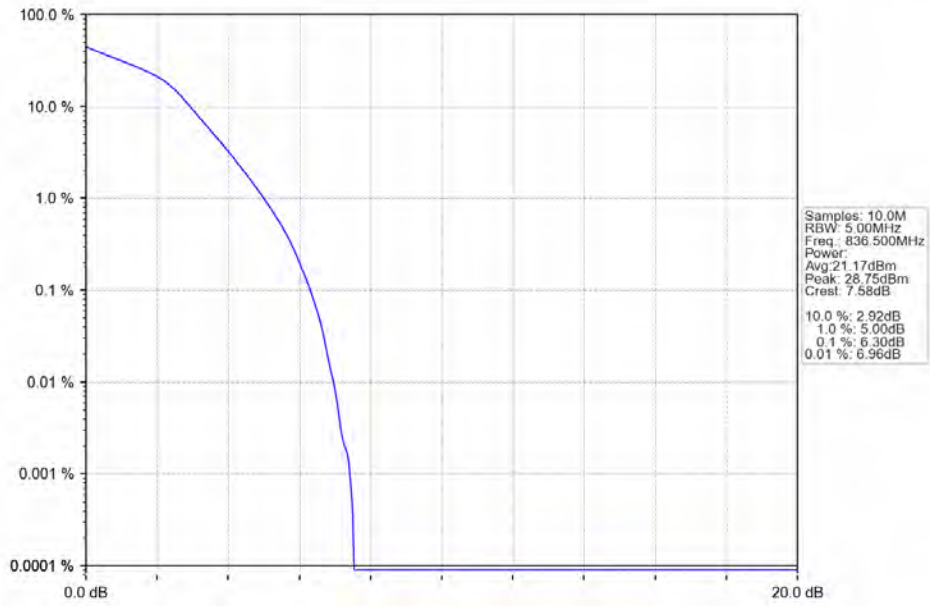
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



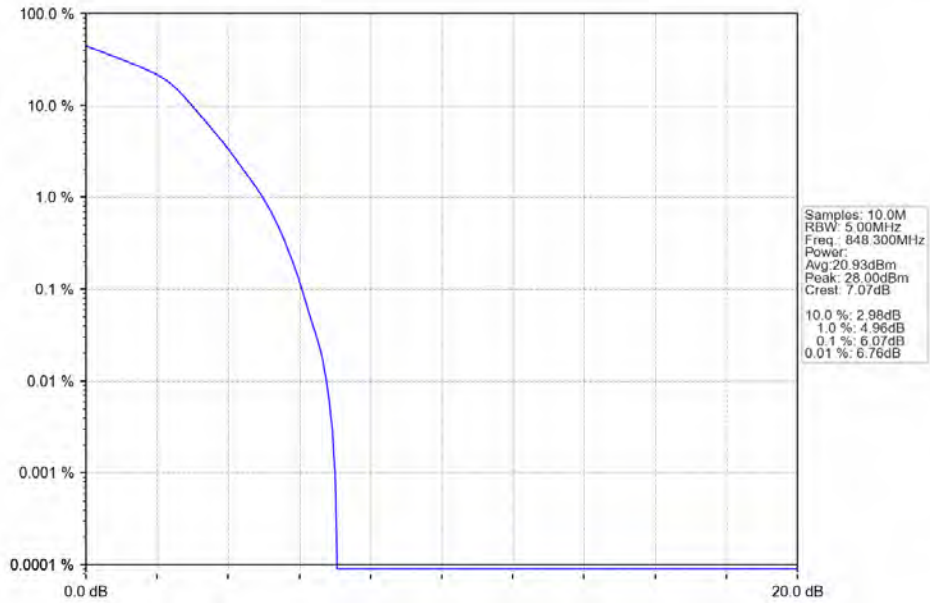
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

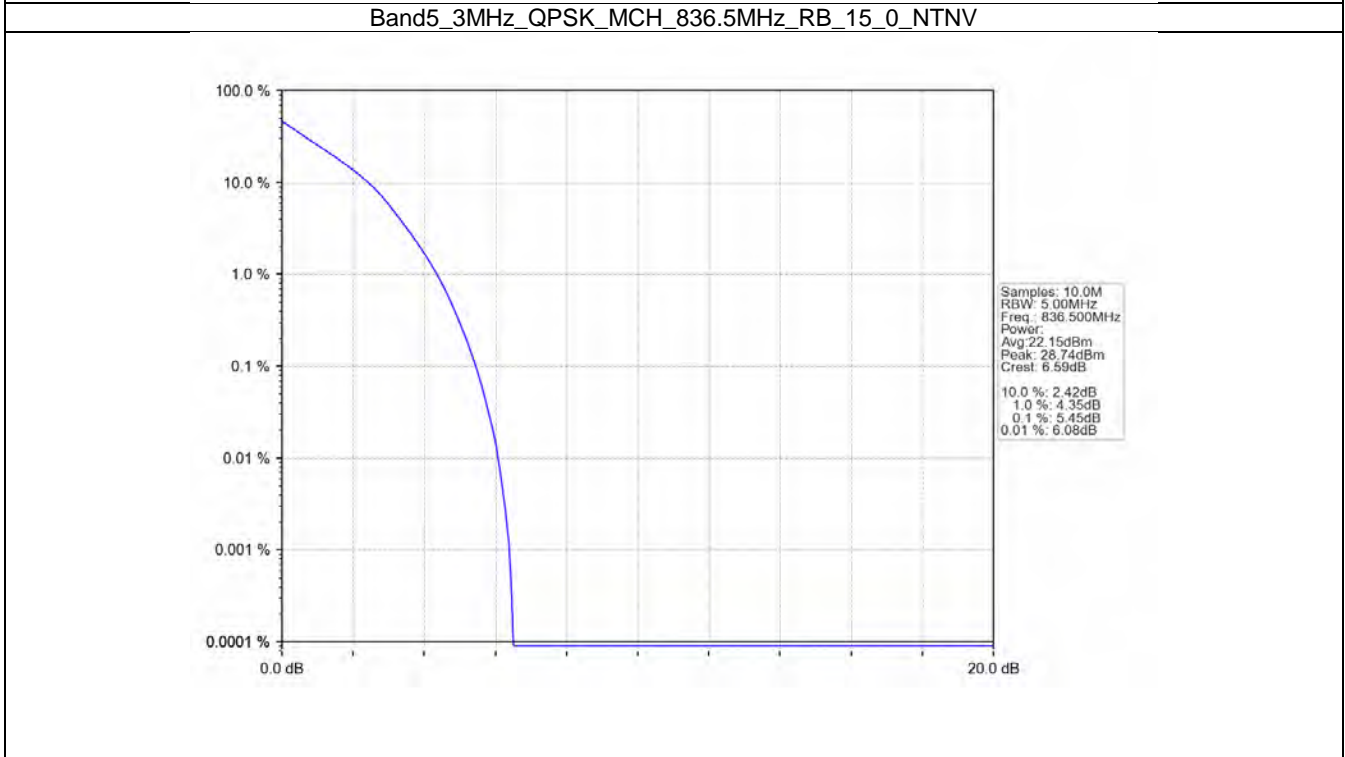
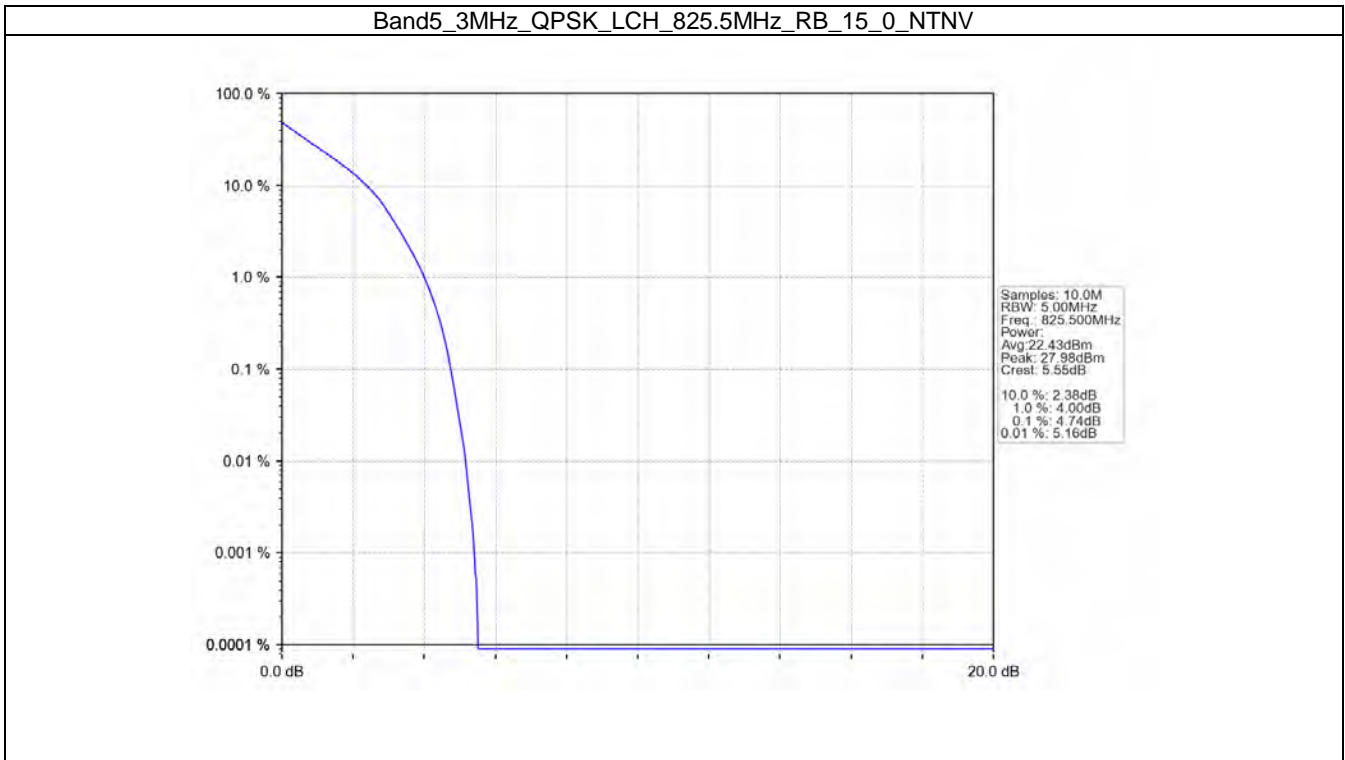


5.2 B5_3MHz

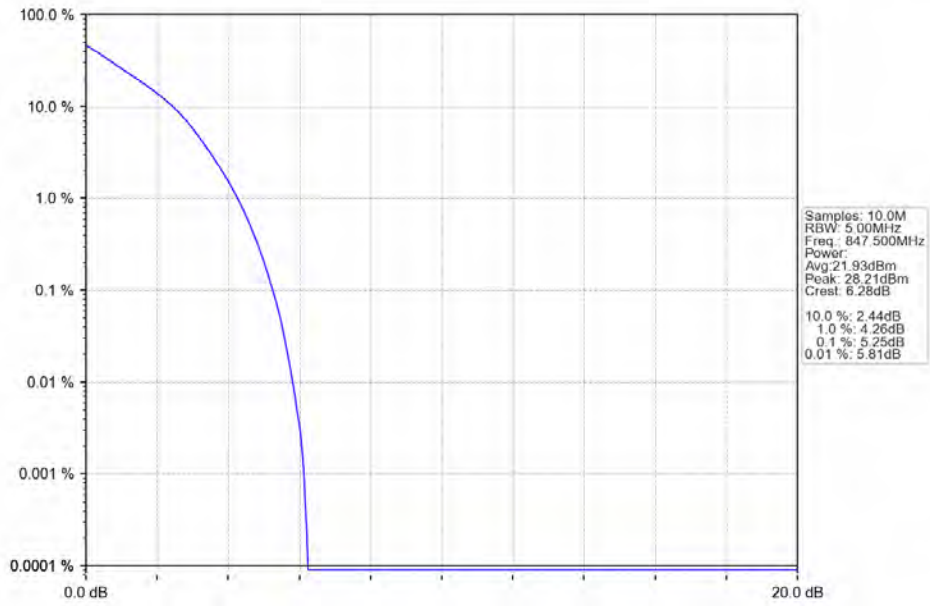
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	4.74	<=13	Pass
	836.5	15	0	5.45	<=13	Pass
	847.5	15	0	5.25	<=13	Pass
16QAM	825.5	15	0	5.56	<=13	Pass
	836.5	15	0	6.27	<=13	Pass
	847.5	15	0	6.06	<=13	Pass

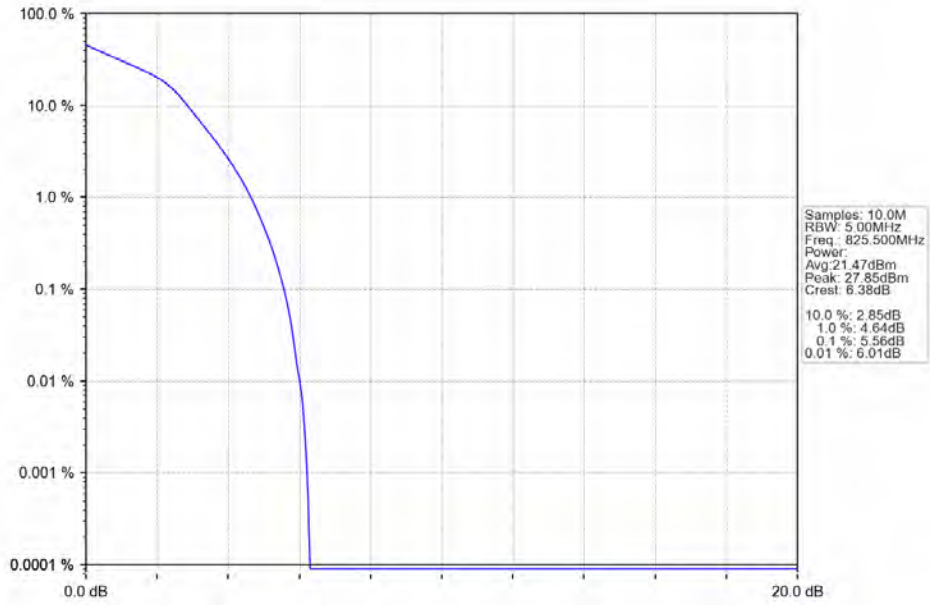
5.2.2 Test Graph



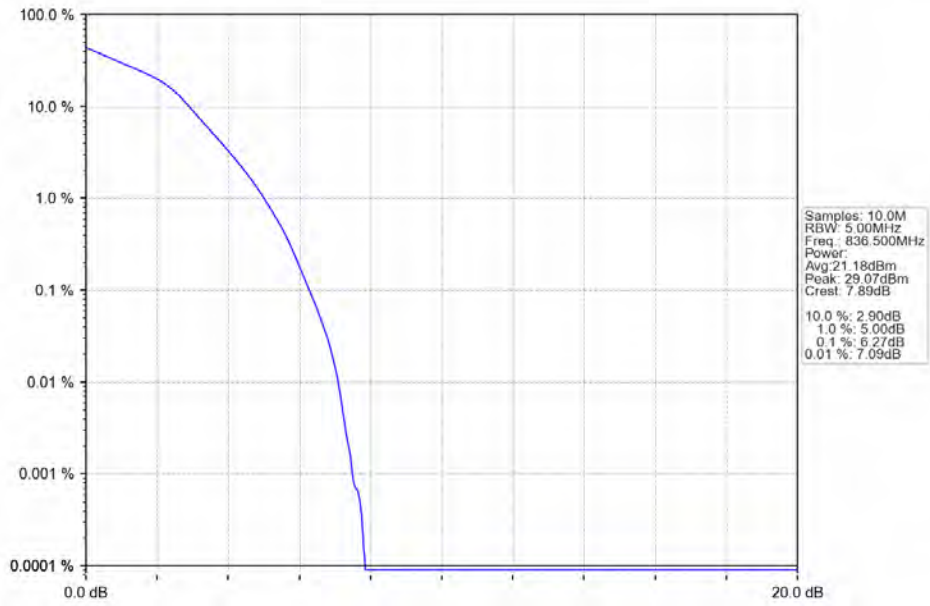
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



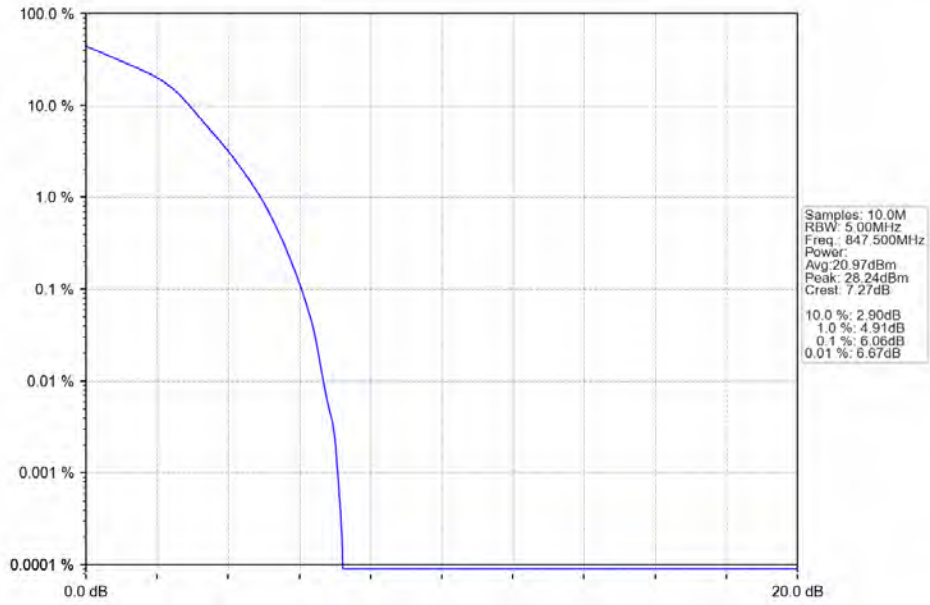
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

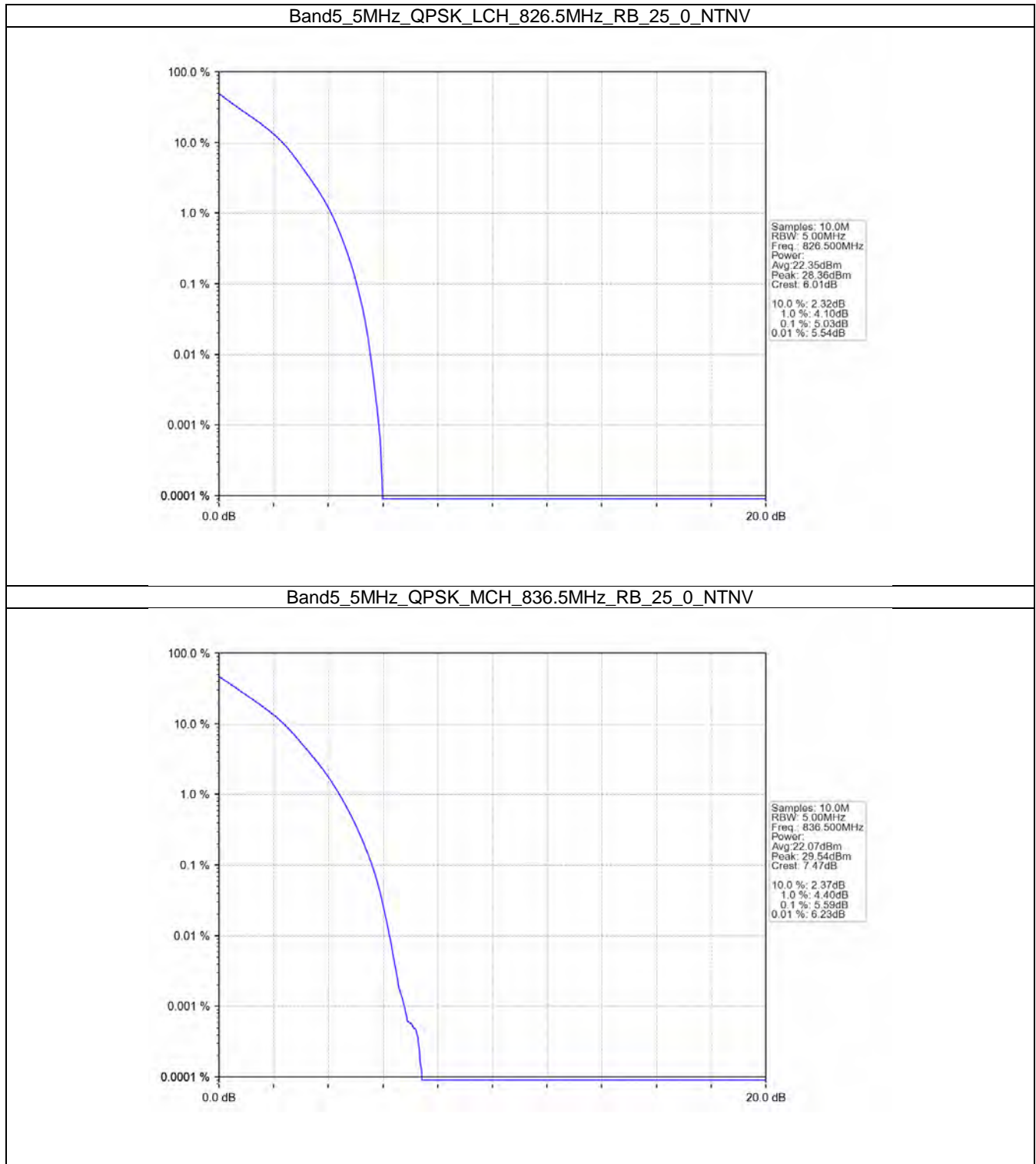


5.3 B5_5MHz

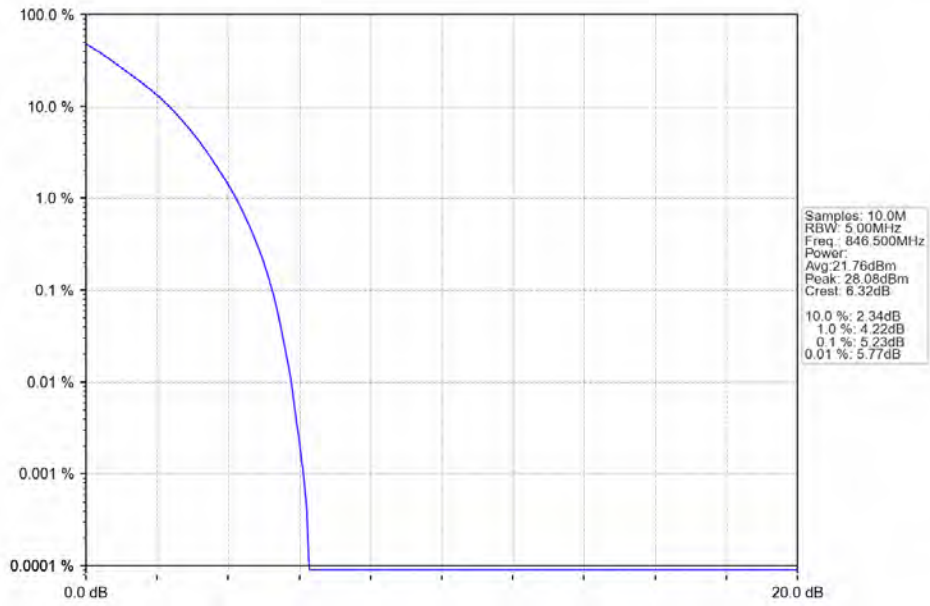
5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.03	<=13	Pass
	836.5	25	0	5.59	<=13	Pass
	846.5	25	0	5.23	<=13	Pass
16QAM	826.5	25	0	5.74	<=13	Pass
	836.5	25	0	6.29	<=13	Pass
	846.5	25	0	5.93	<=13	Pass

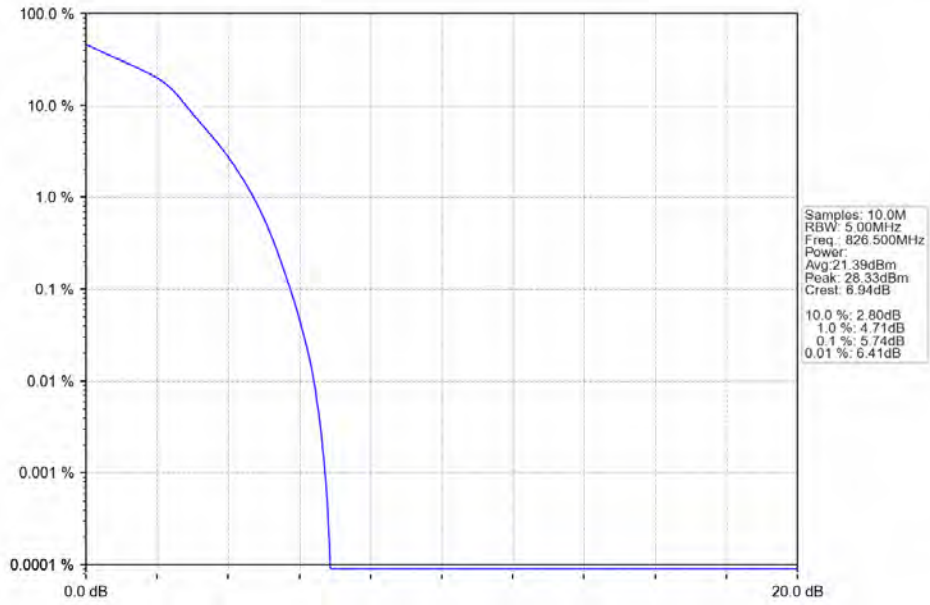
5.3.2 Test Graph



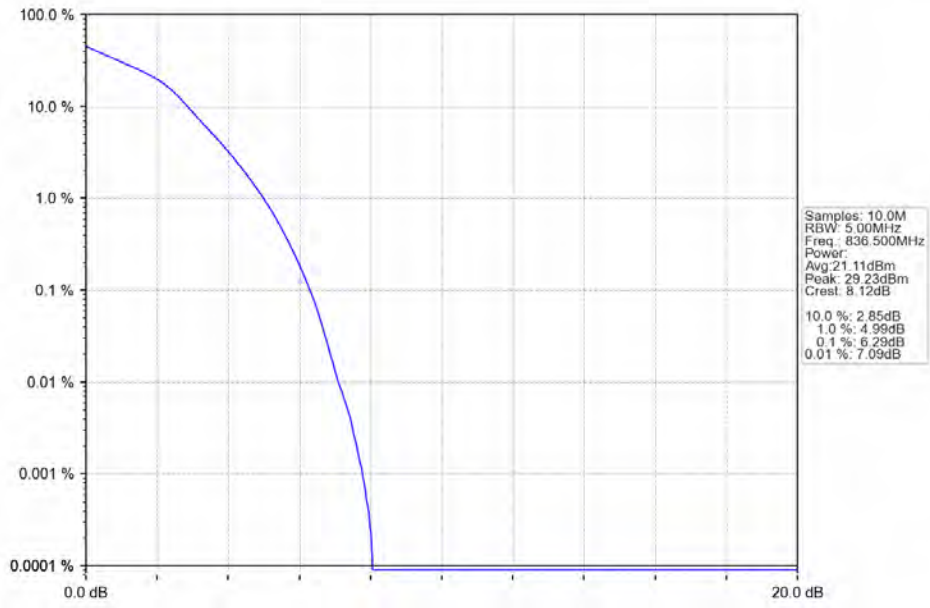
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



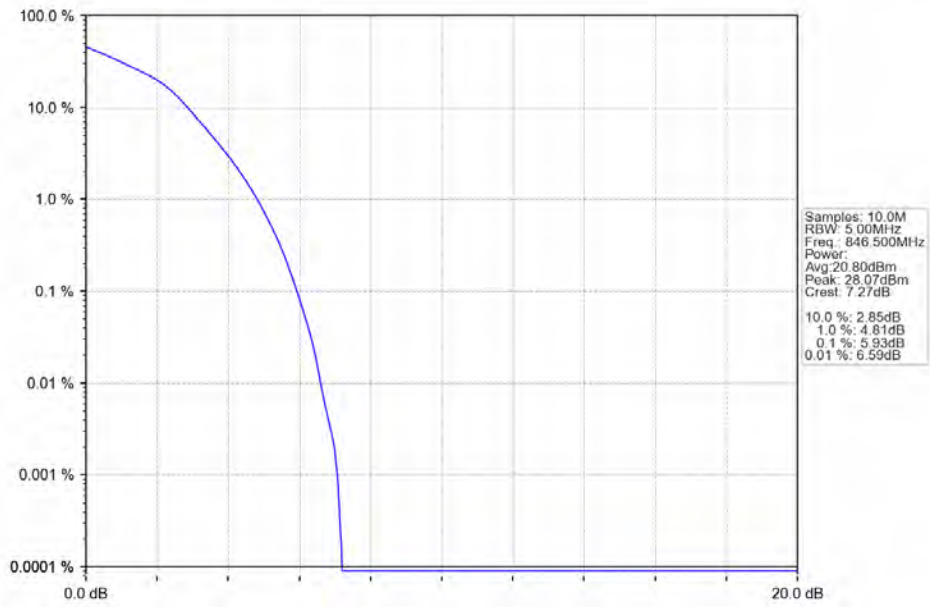
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

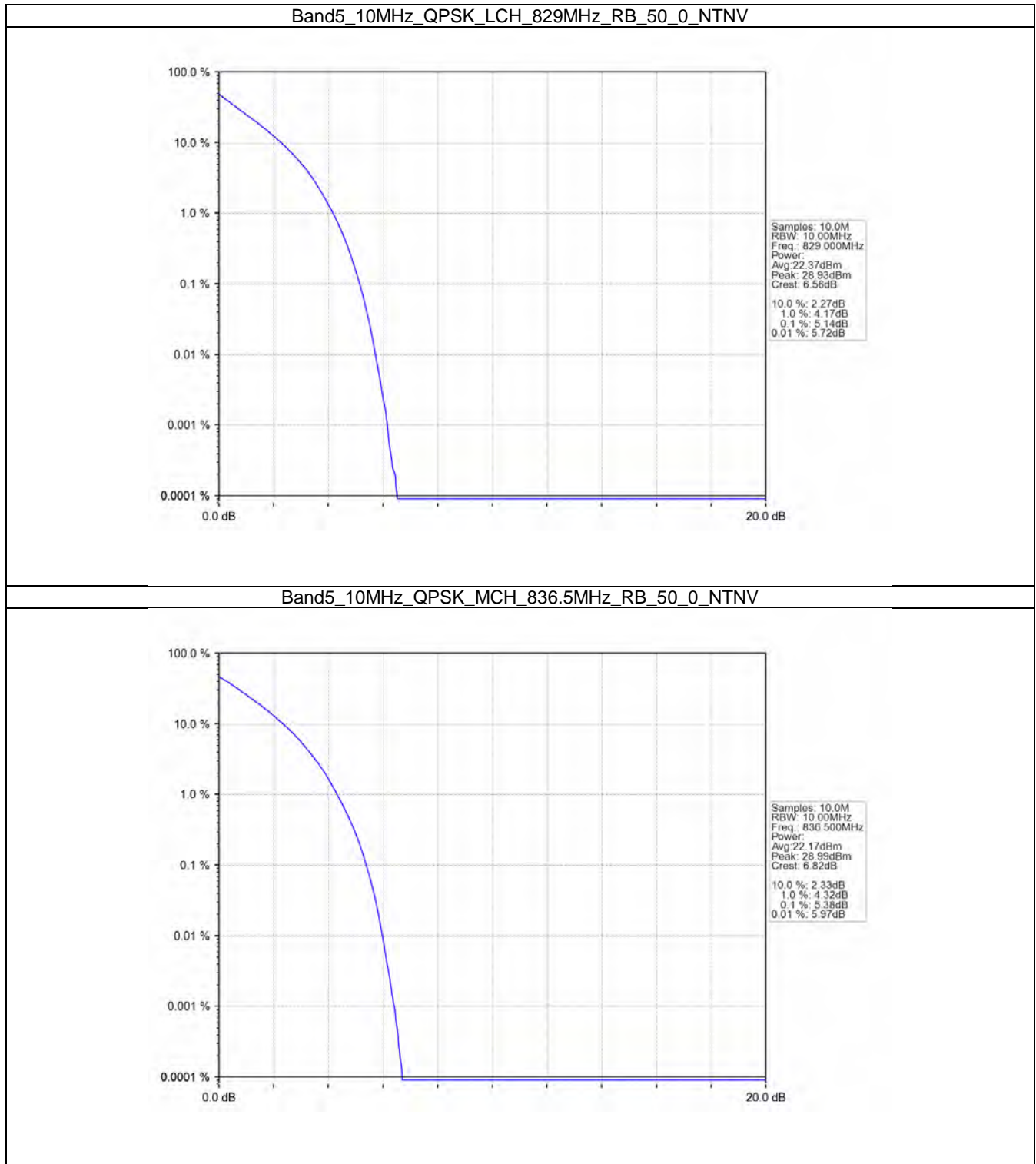


5.4 B5_10MHz

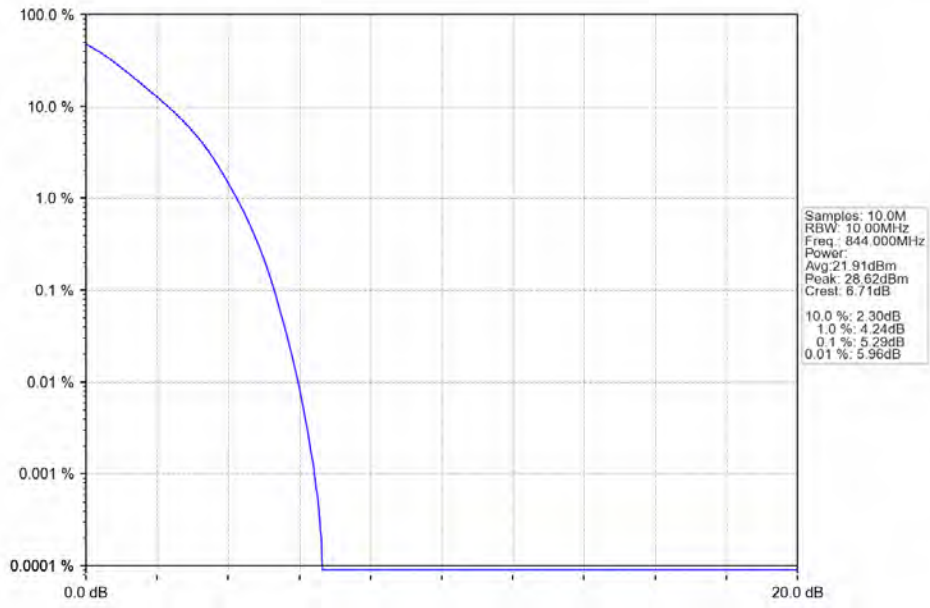
5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.14	<=13	Pass
	836.5	50	0	5.38	<=13	Pass
	844	50	0	5.29	<=13	Pass
16QAM	829	50	0	5.86	<=13	Pass
	836.5	50	0	6.18	<=13	Pass
	844	50	0	5.96	<=13	Pass

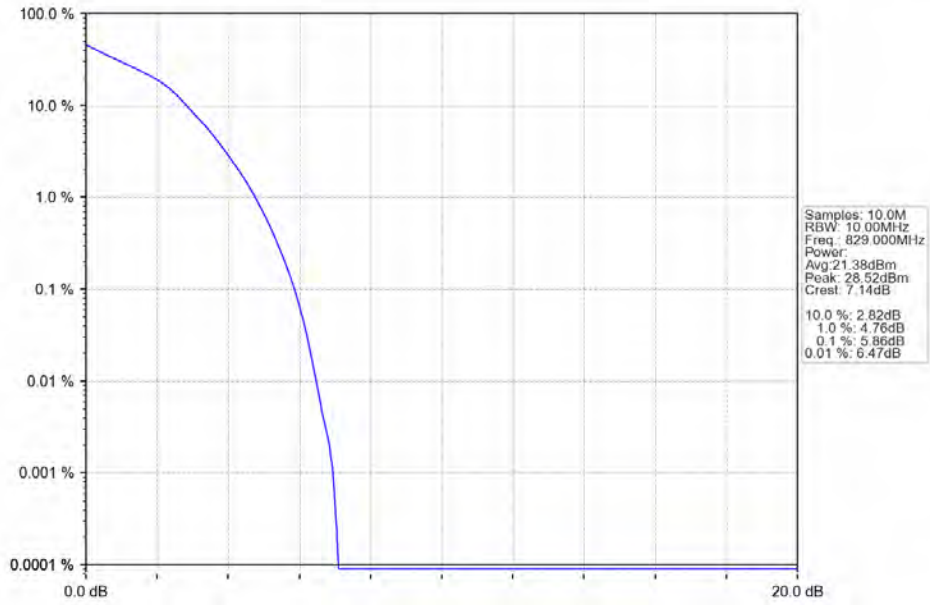
5.4.2 Test Graph



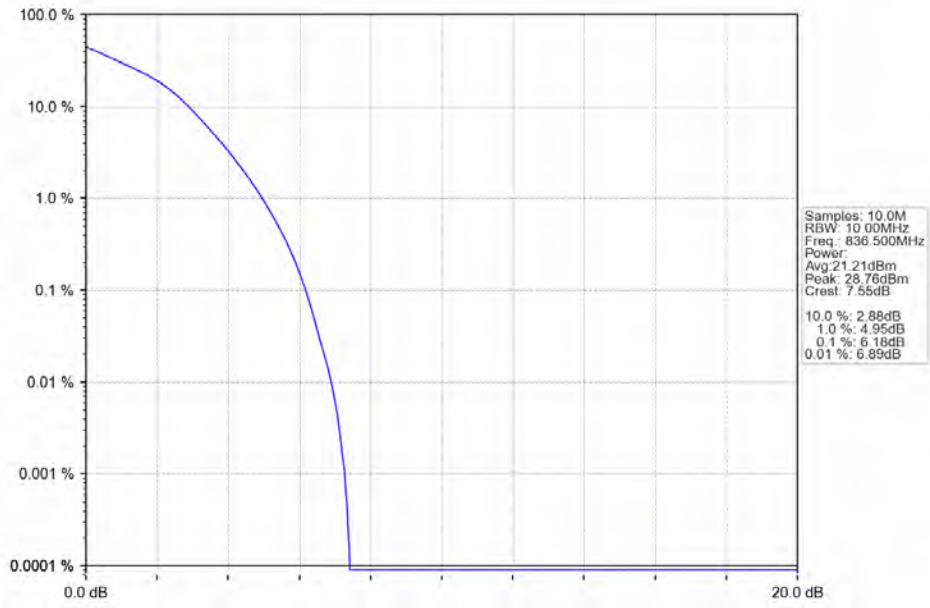
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



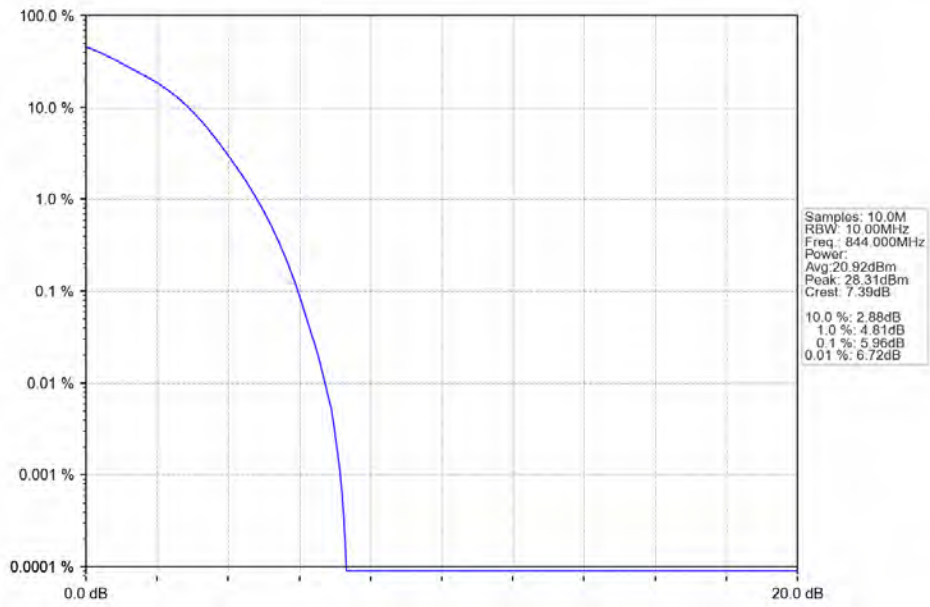
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



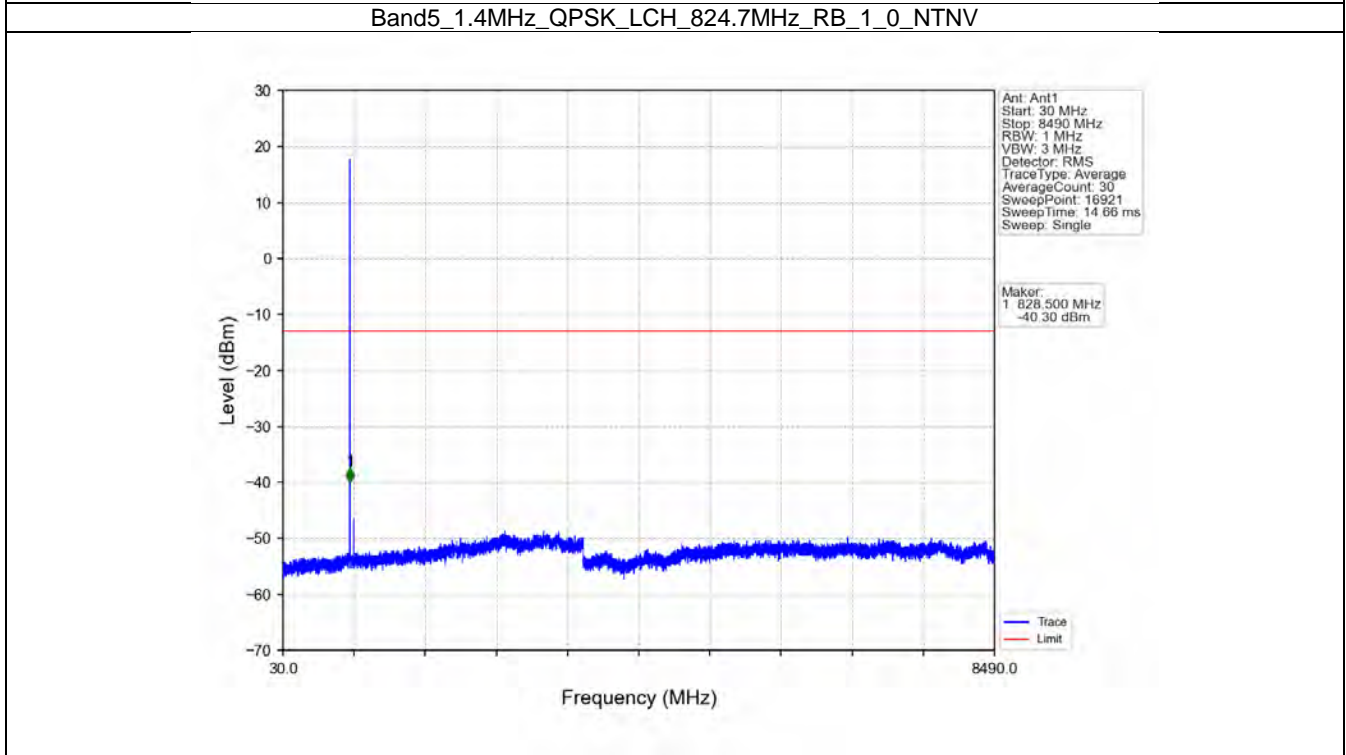
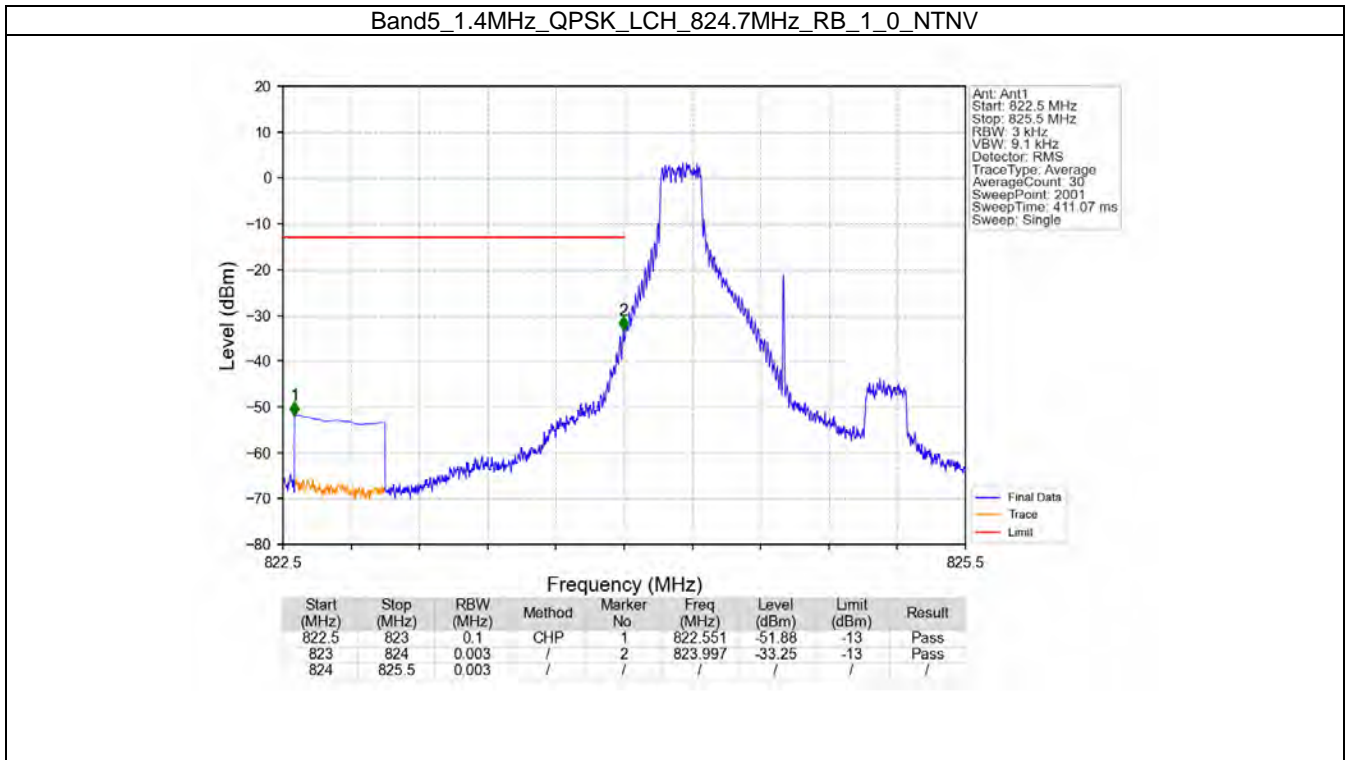
6. Spurious Emission

6.1 B5_1.4MHz

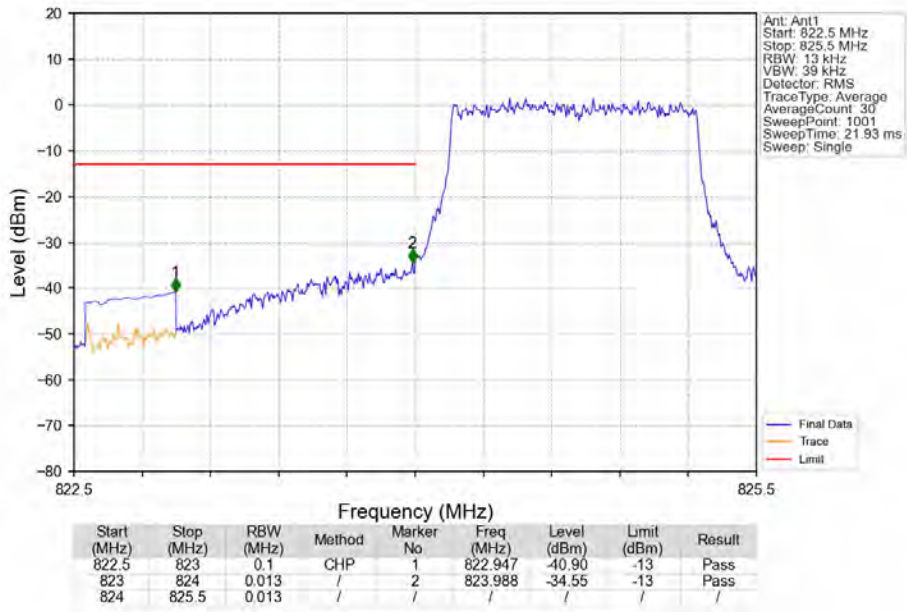
6.1.1 Test Result

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

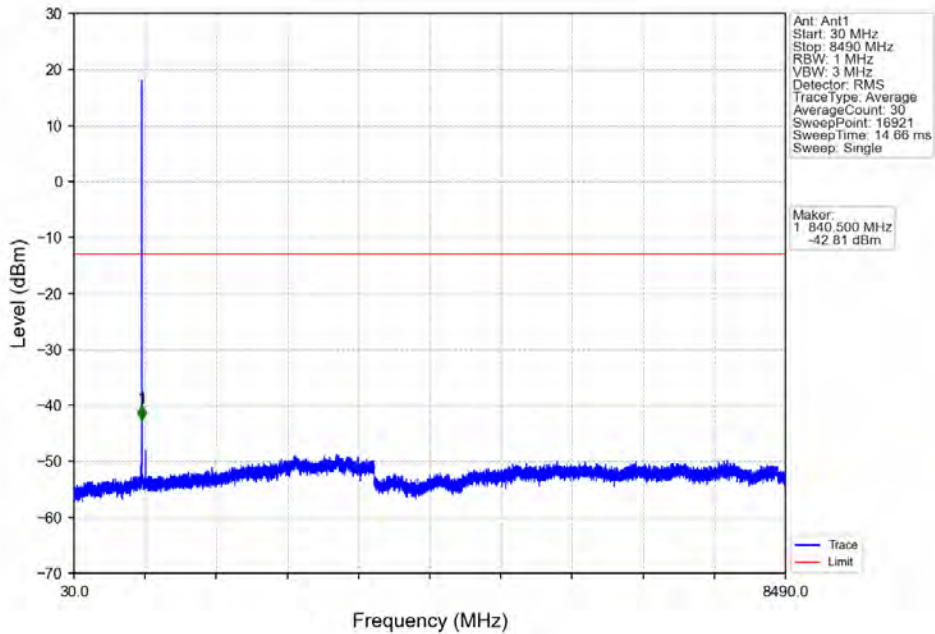
6.1.2 Test Graph



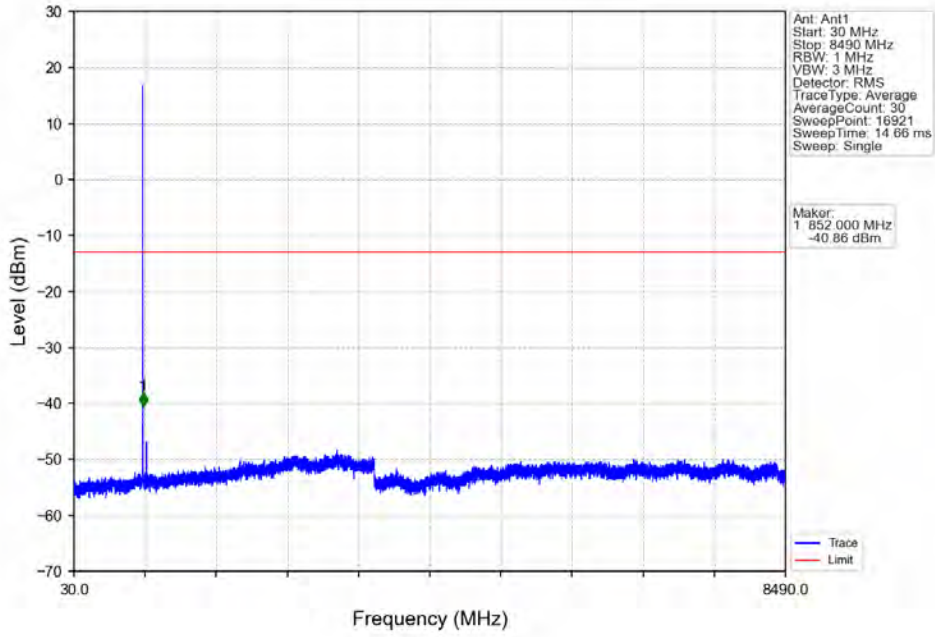
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



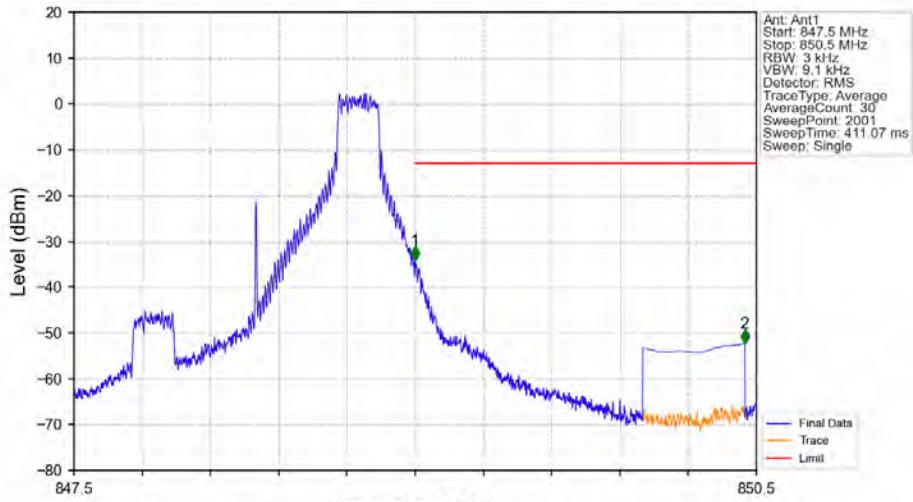
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_0_NTNV

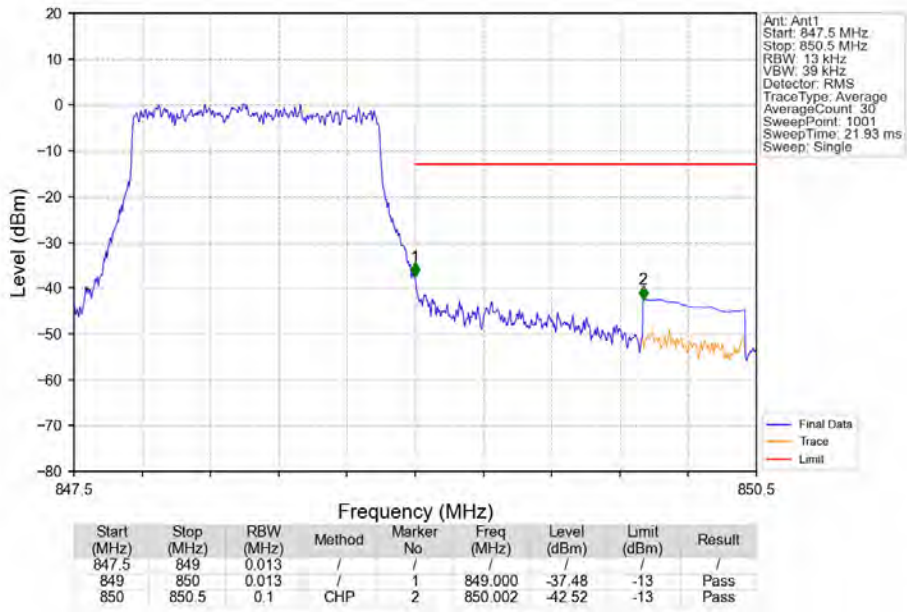


Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV

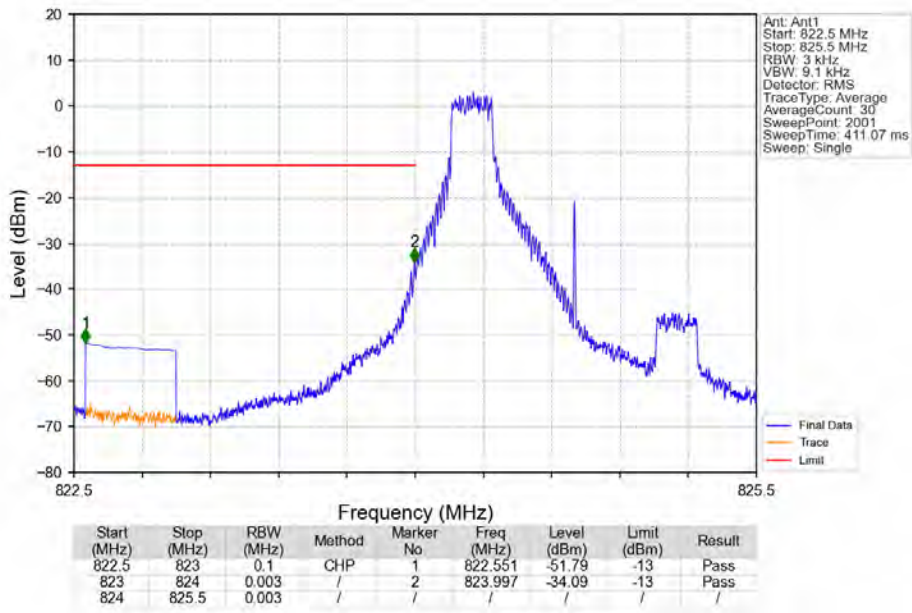


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.000	-34.12	-13	Pass
850	850.5	0.1	CHP	2	850.449	-52.26	-13	Pass

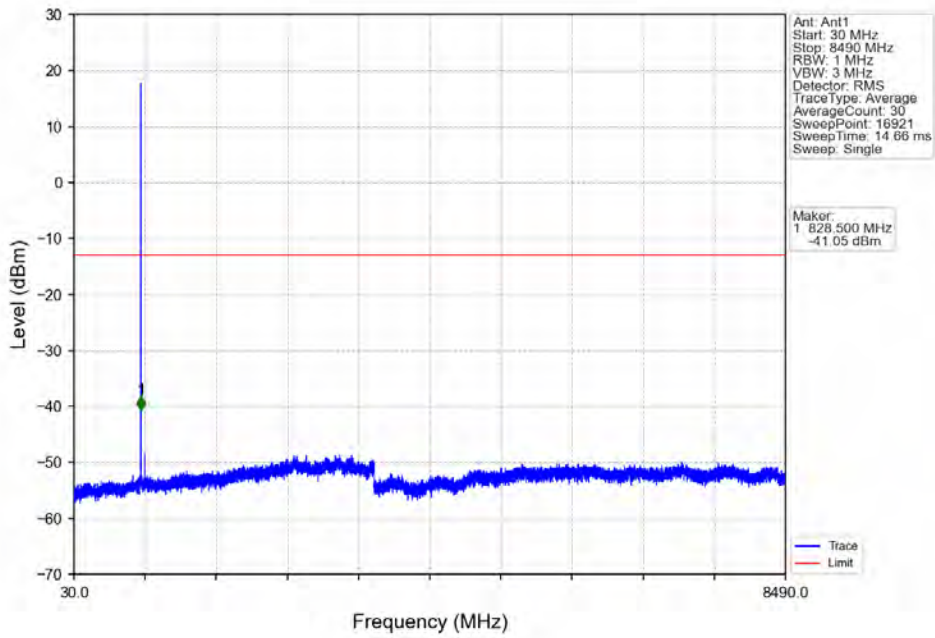
Band5 1.4MHz QPSK HCH 848.3MHz RB 6.0 NTNV



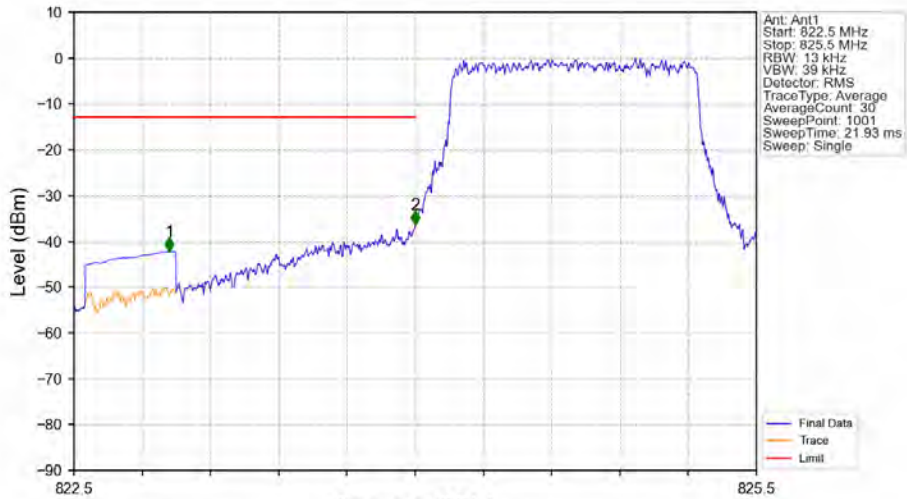
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1.0 NTNV



Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_1_0_NTNV

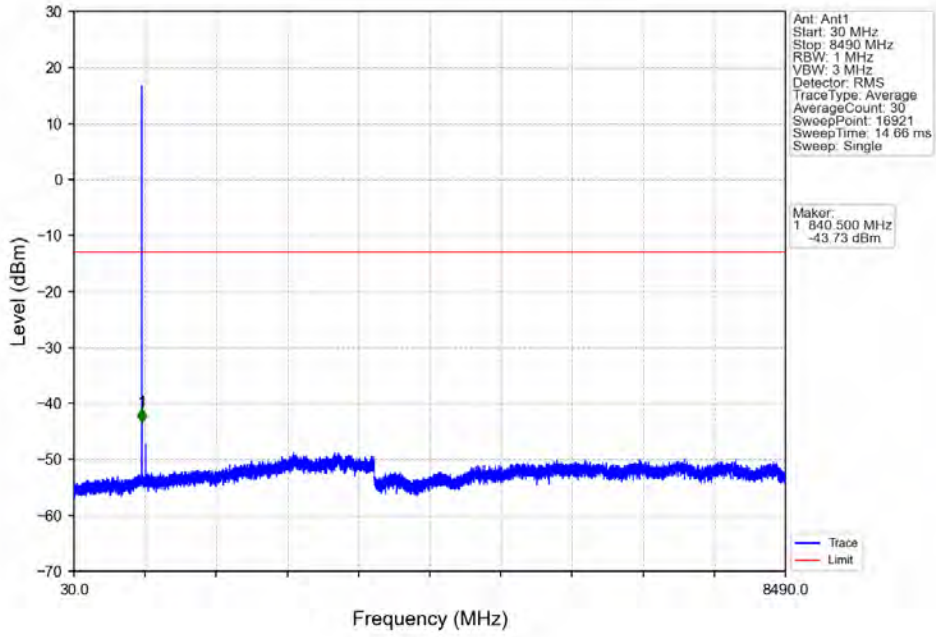


Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV

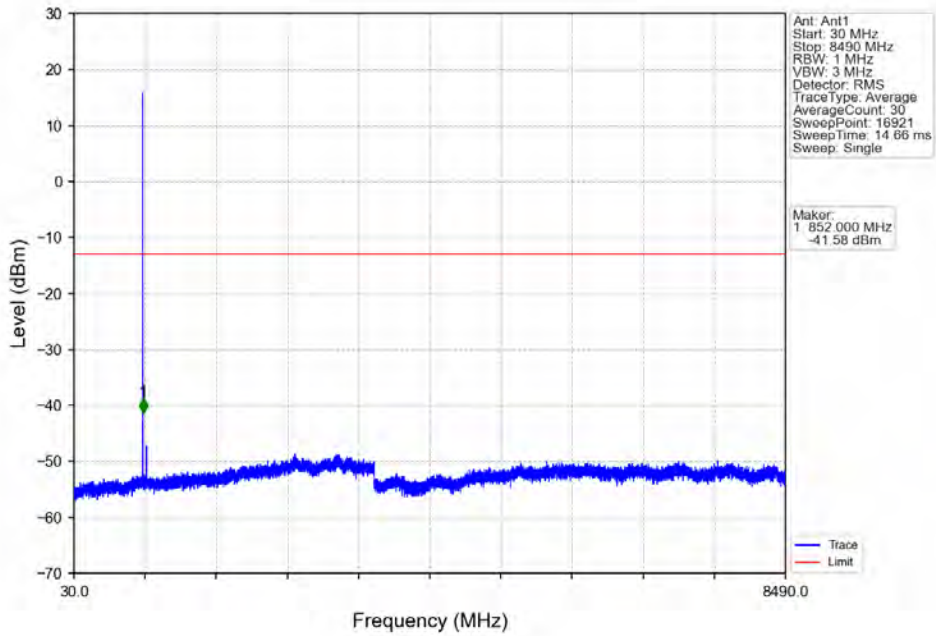


Frequency (MHz)								
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.920	-42.17	-13	Pass
823	824	0.013	/	2	824.000	-36.38	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

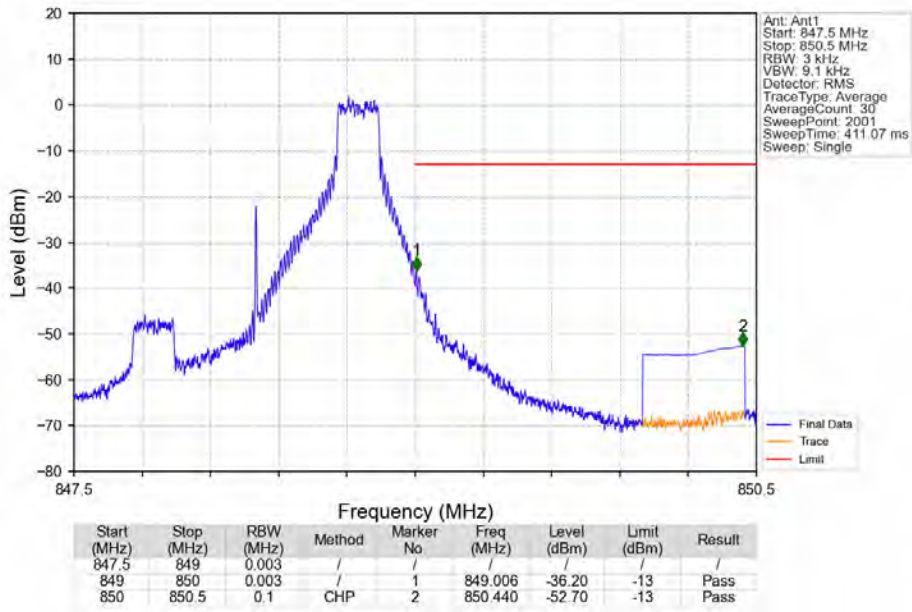
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



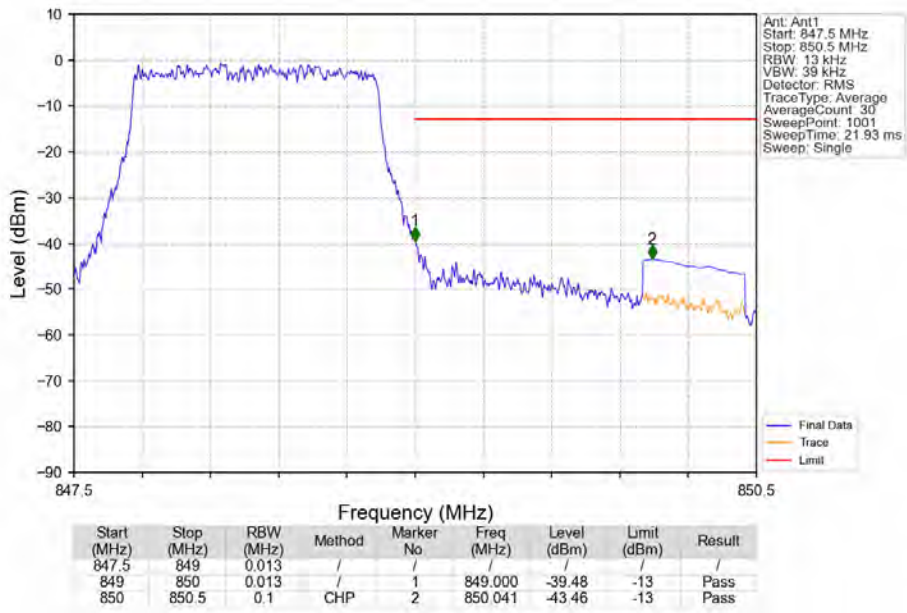
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_5_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV

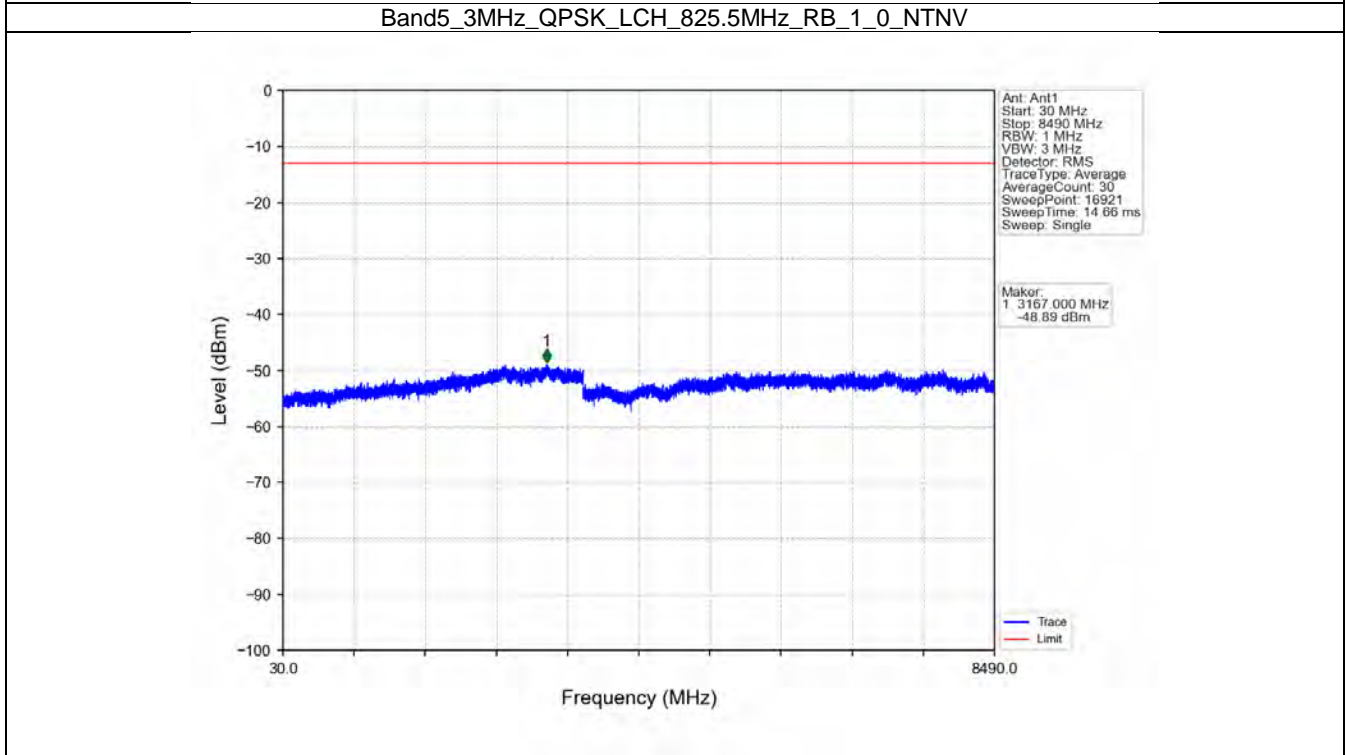
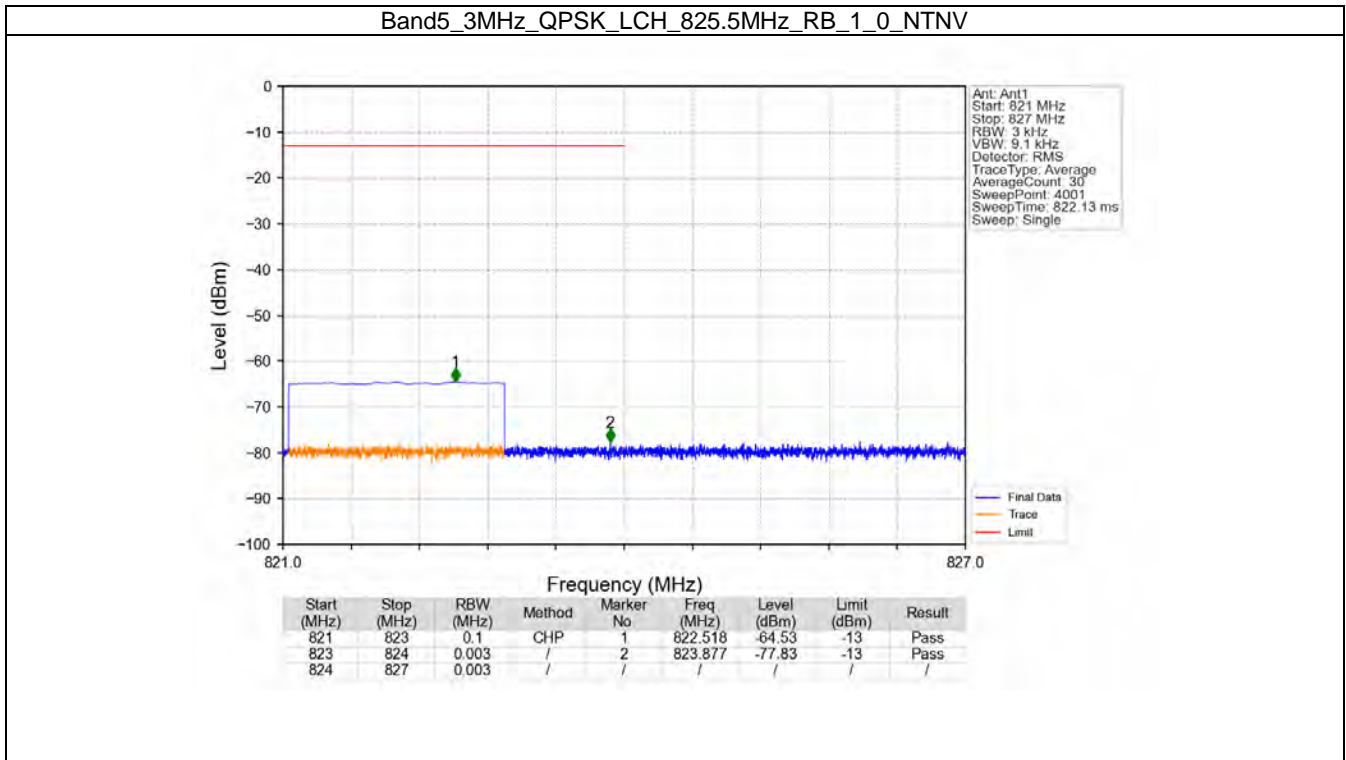


6.2 B5_3MHz

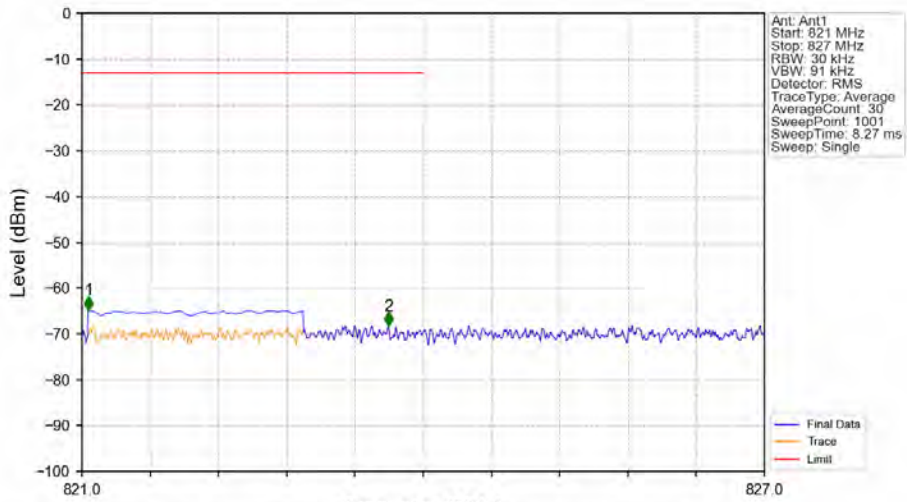
6.2.1 Test Result

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

6.2.2 Test Graph

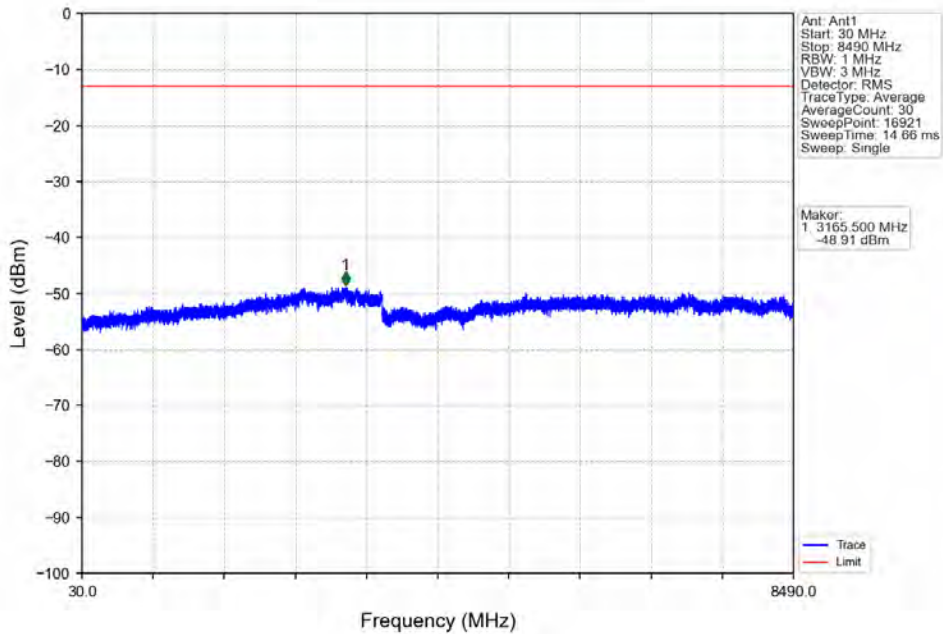


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

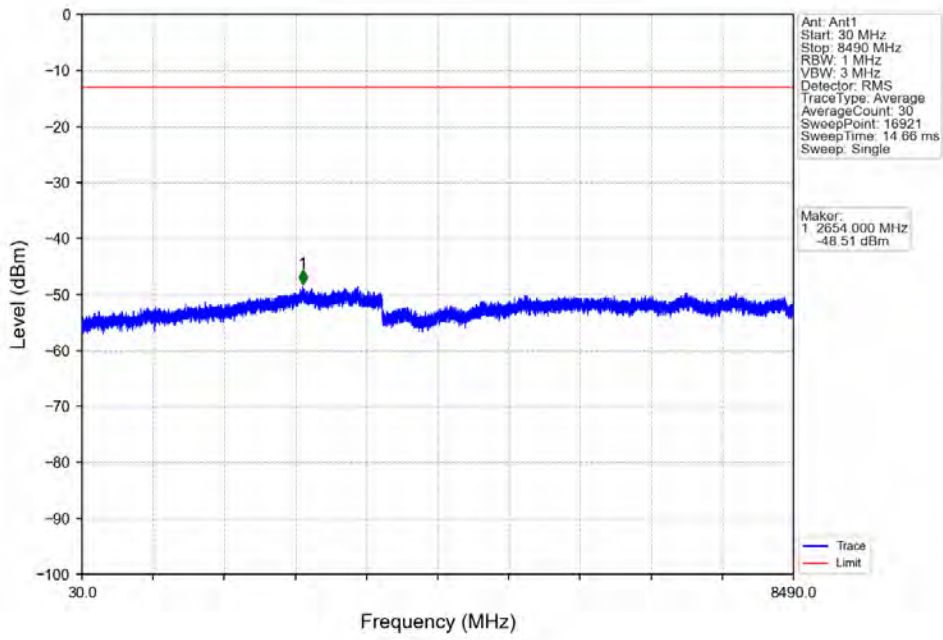


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	821.060	-64.84	-13	Pass
823	824	0.03	/	2	823.694	-68.22	-13	Pass
824	827	0.03	/	/	/	/	/	/

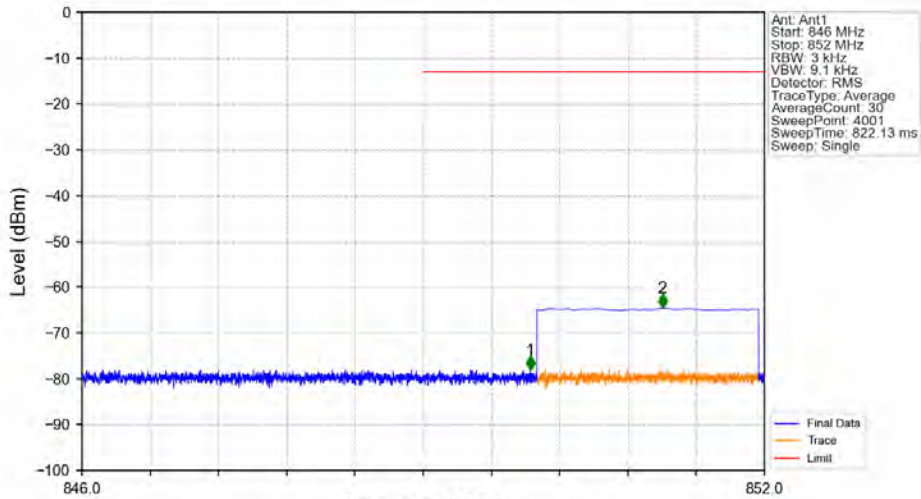
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV

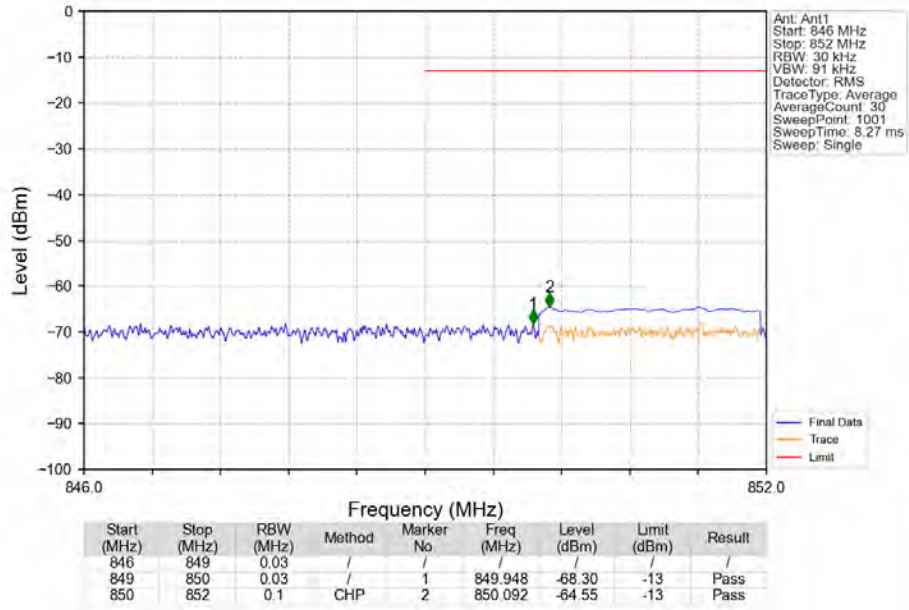


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV

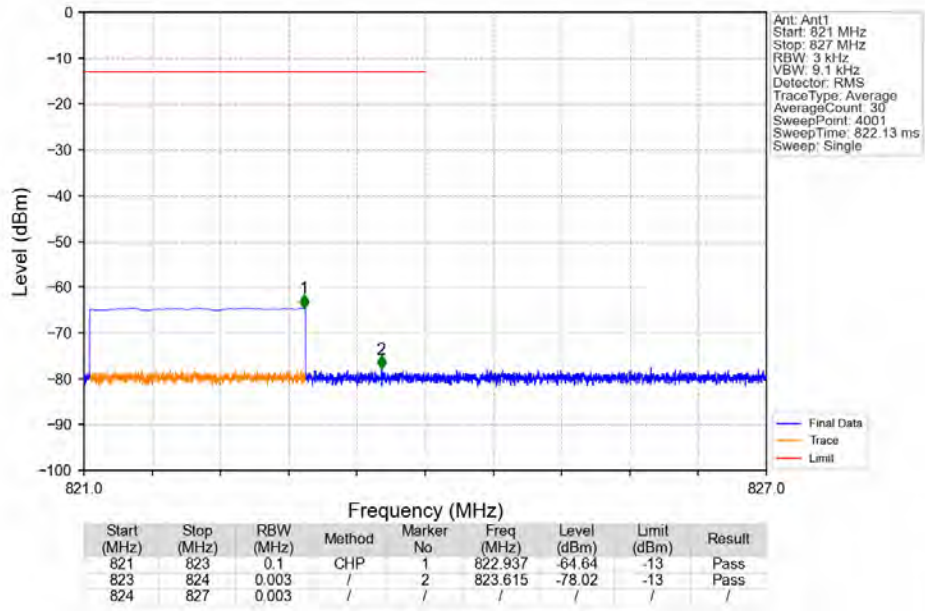


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.941	-78.12	-13	Pass
850	852	0.1	CHP	2	851.103	-64.53	-13	Pass

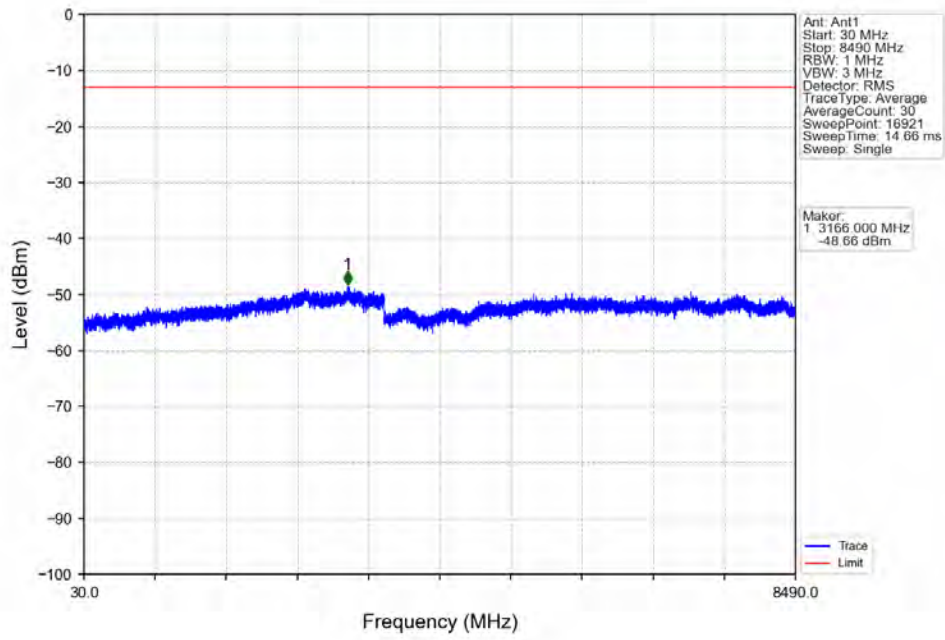
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



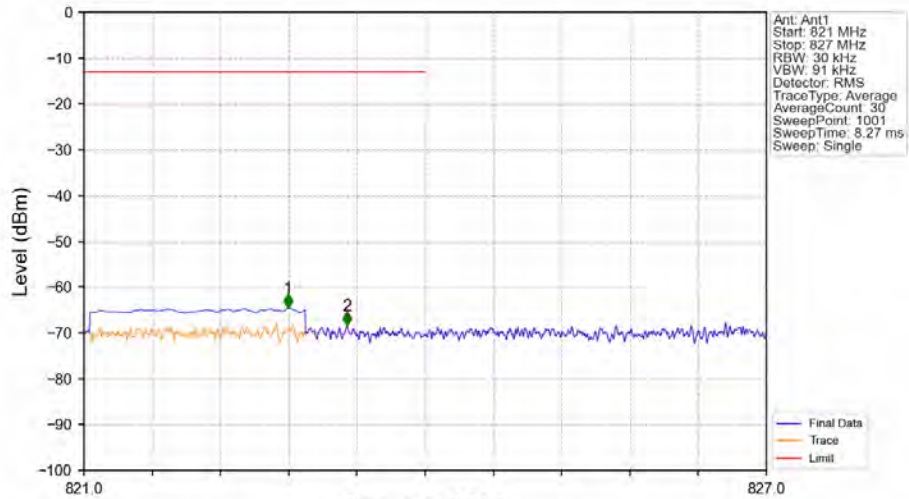
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

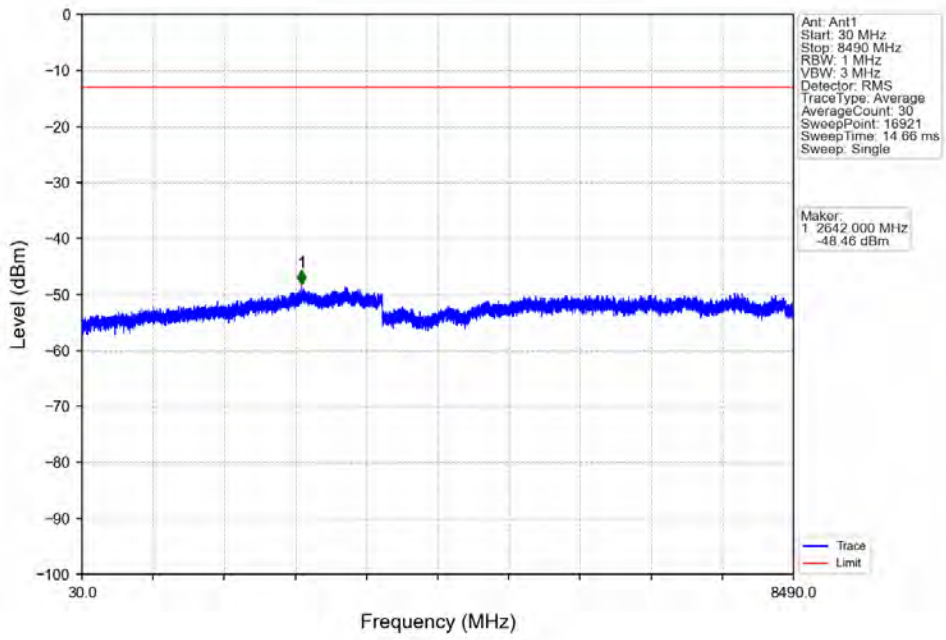


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

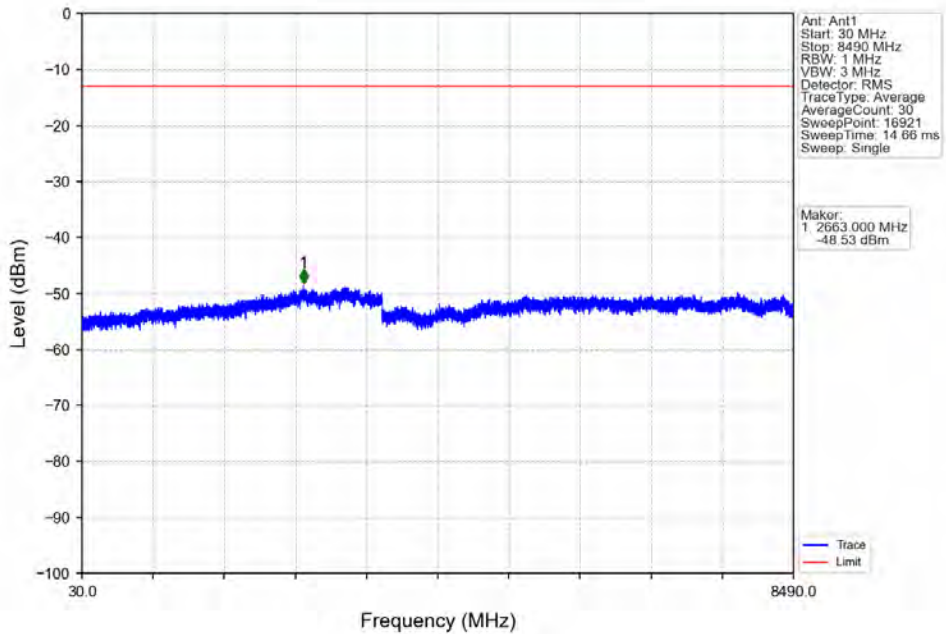


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.794	-64.53	-13	Pass
823	824	0.03	/	2	823.310	-68.49	-13	Pass
824	827	0.03	/	/	/	/	/	/

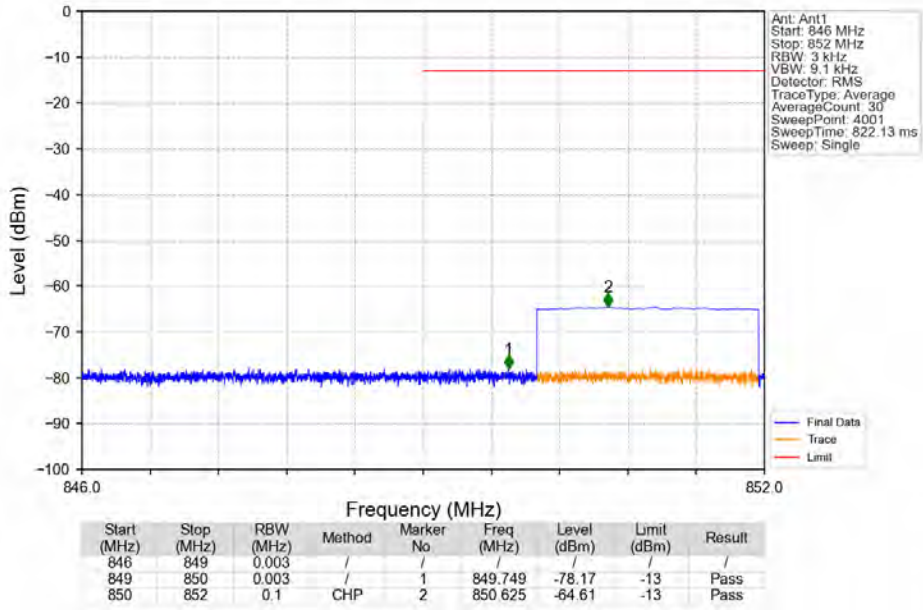
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



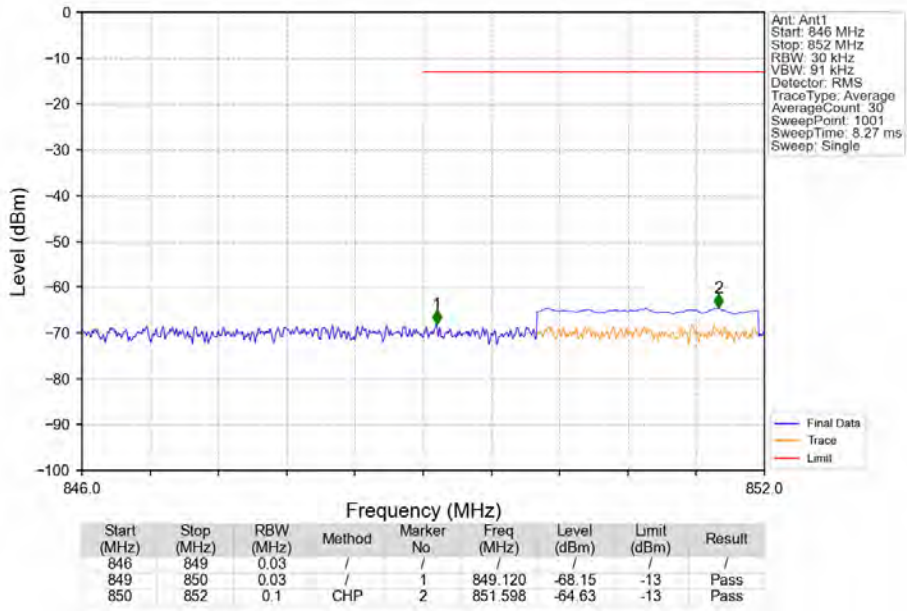
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

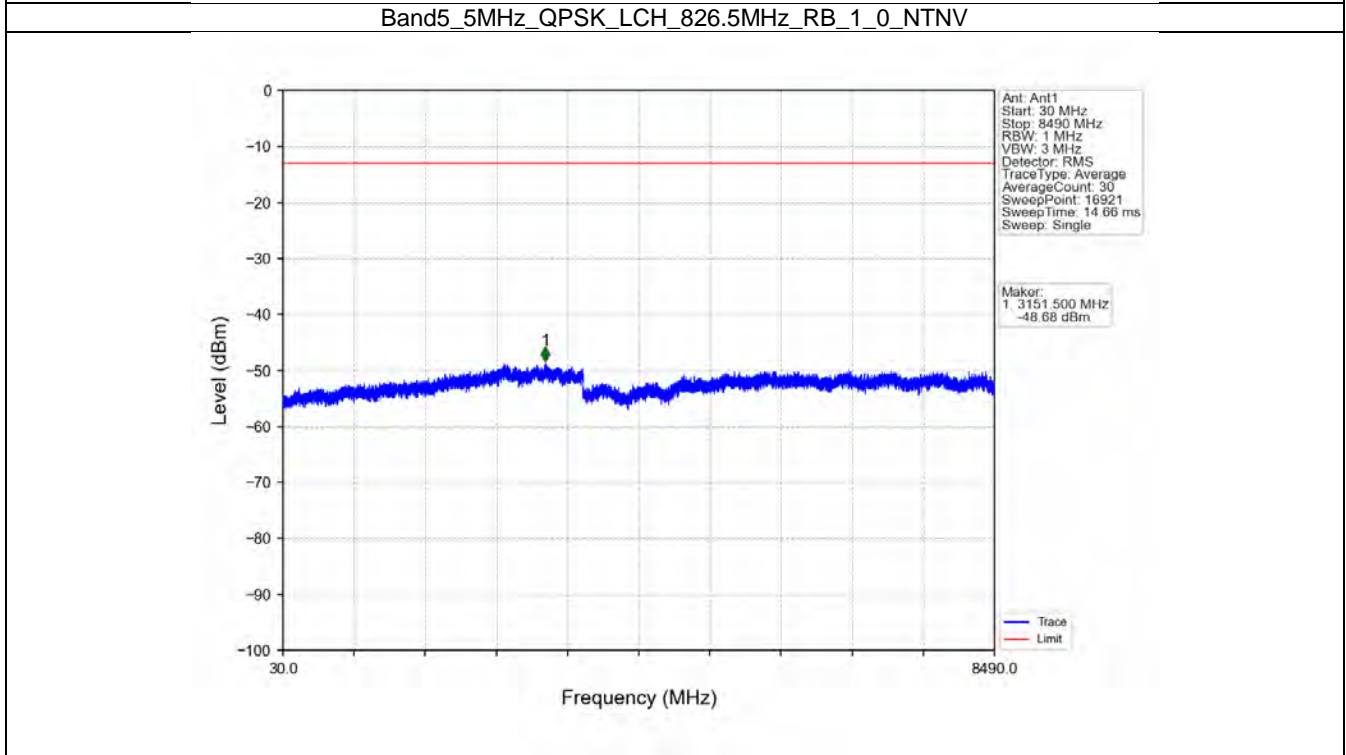
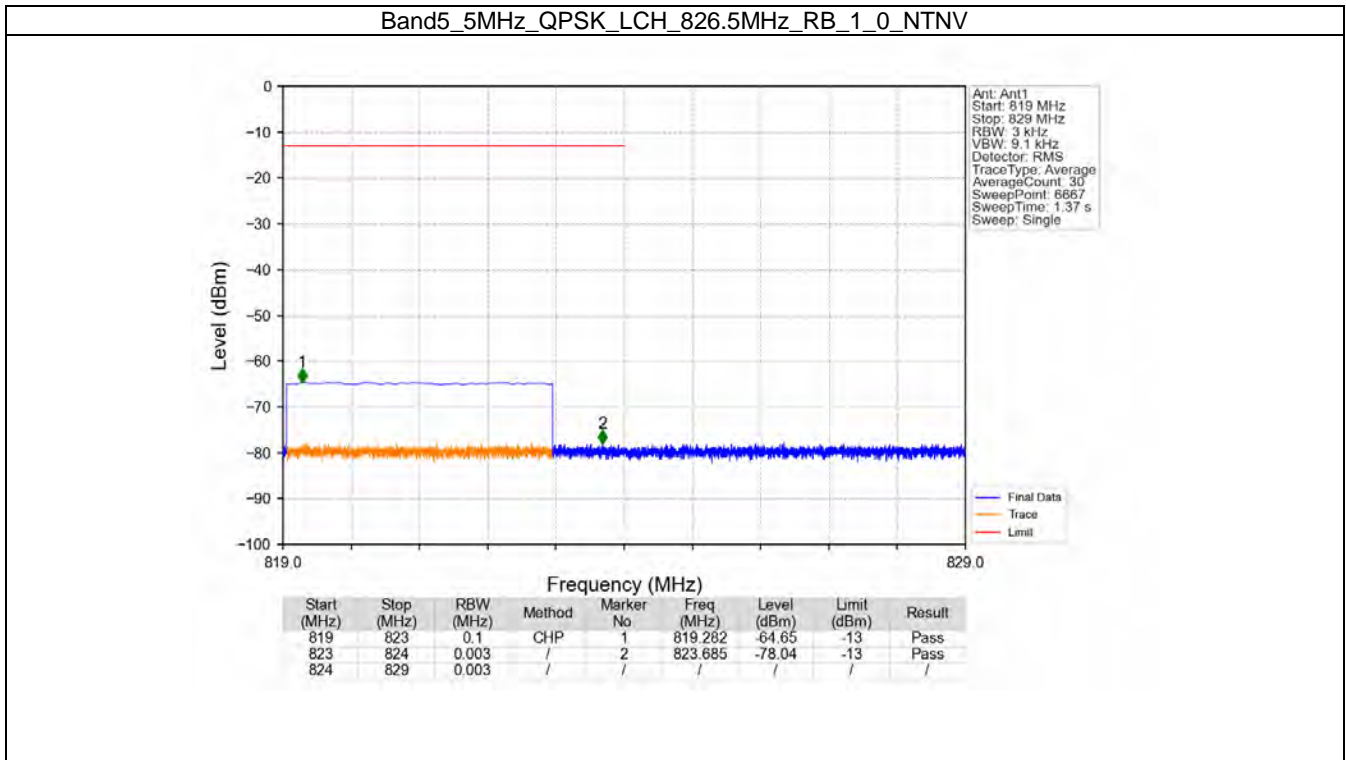


6.3 B5_5MHz

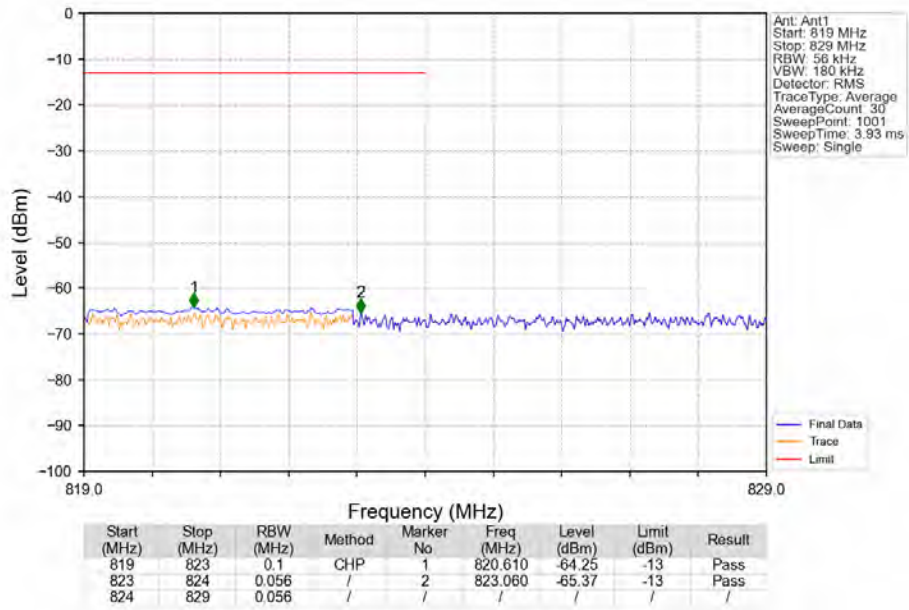
6.3.1 Test Result

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

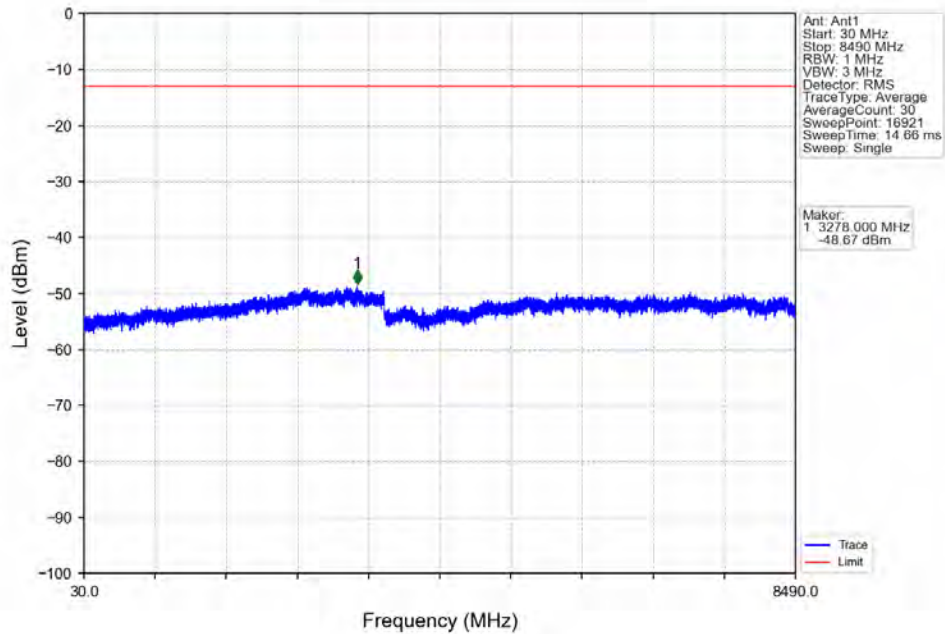
6.3.2 Test Graph



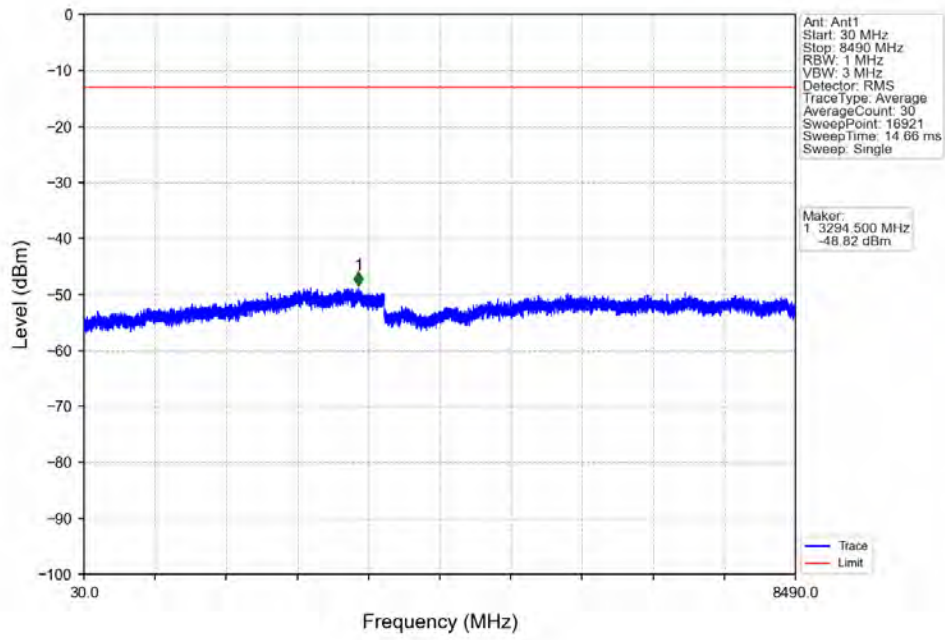
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



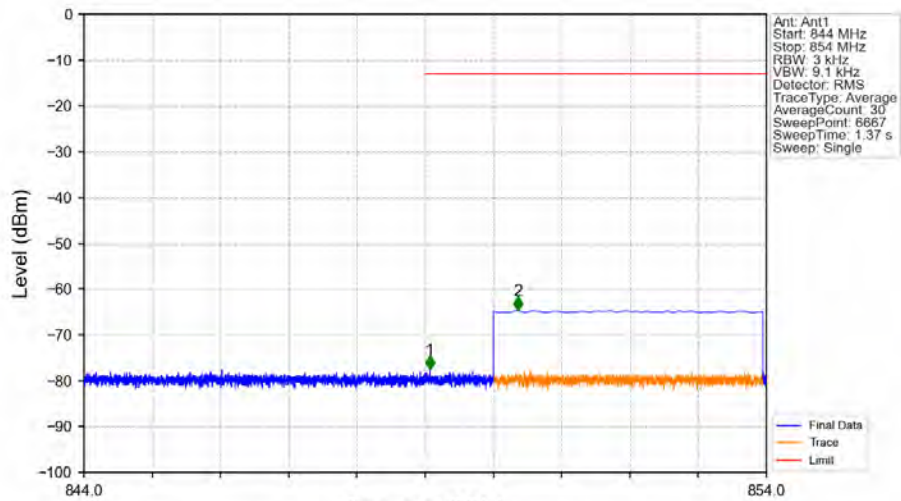
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

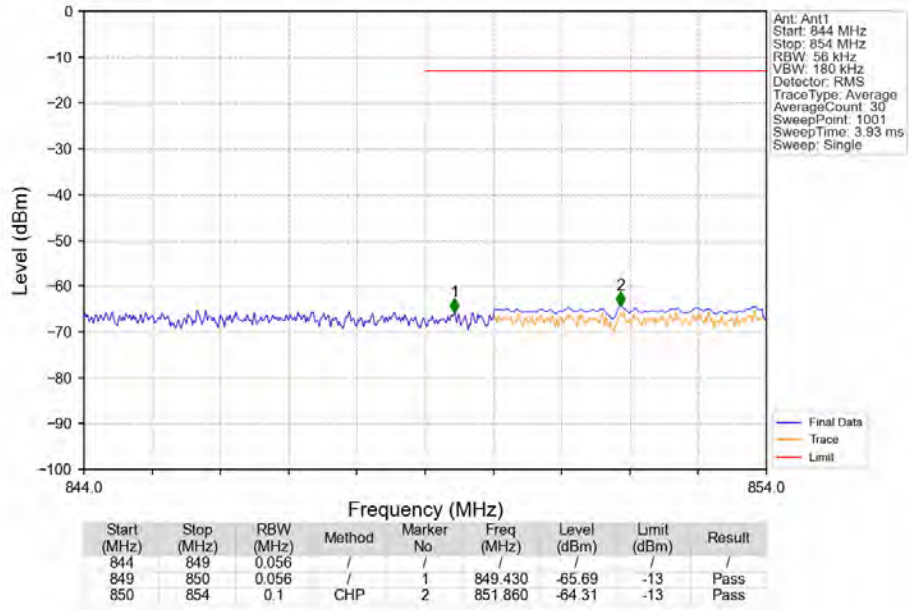


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV

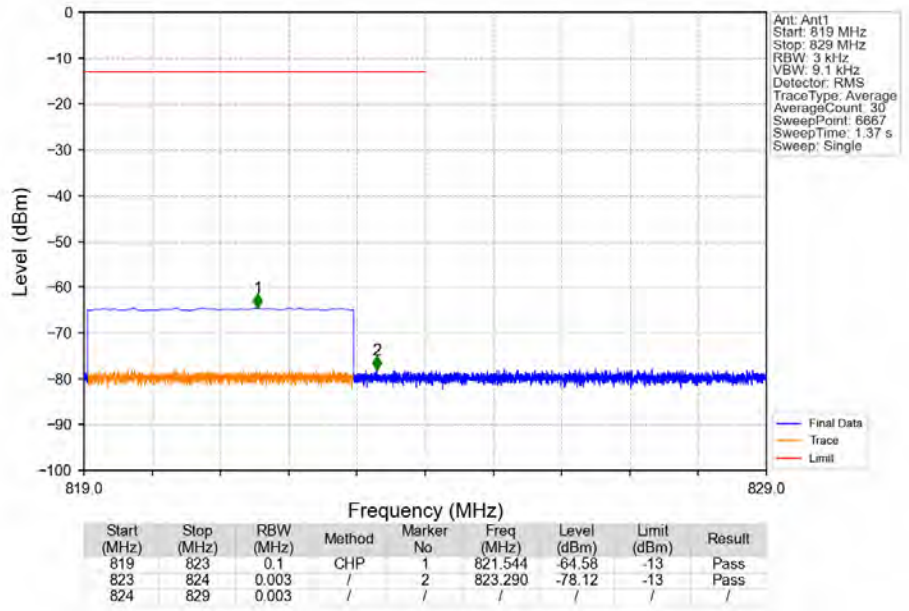


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.068	-77.68	-13	Pass
850	854	0.1	CHP	2	850.358	-64.68	-13	Pass

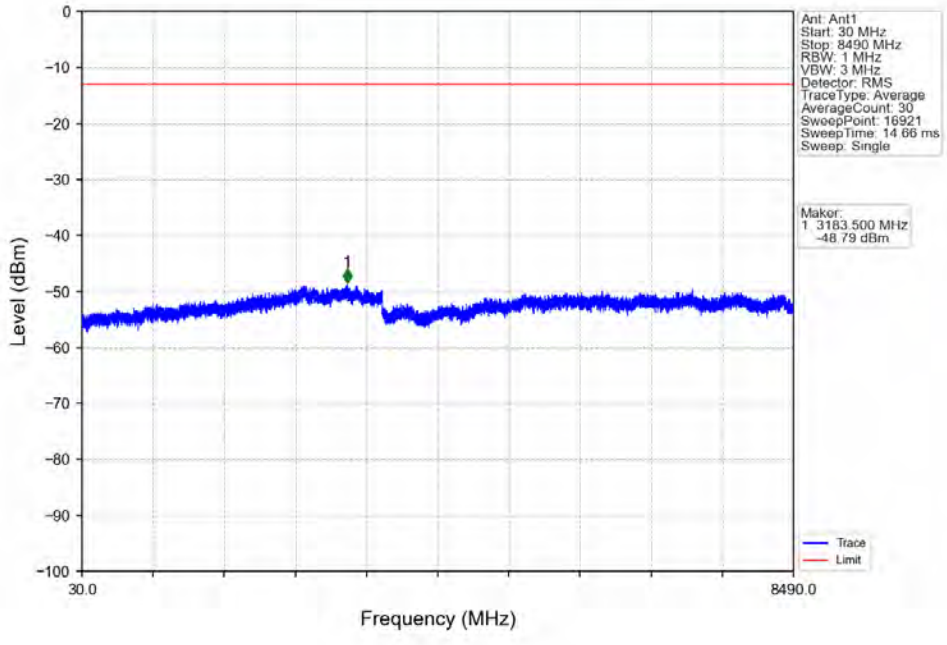
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



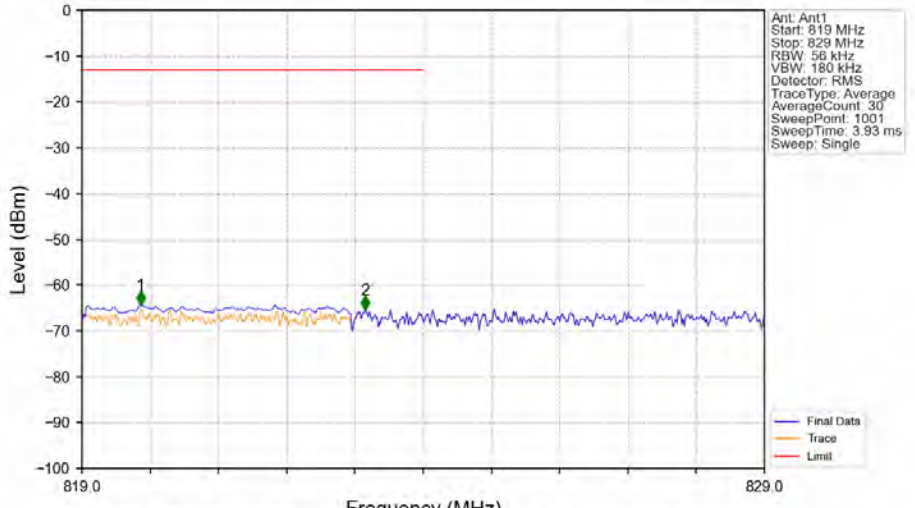
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

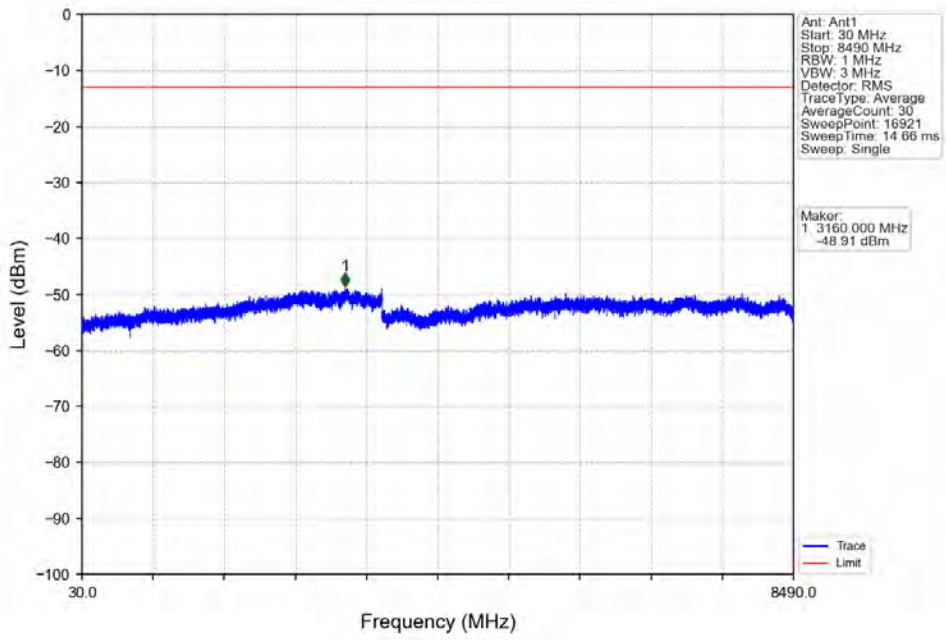


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

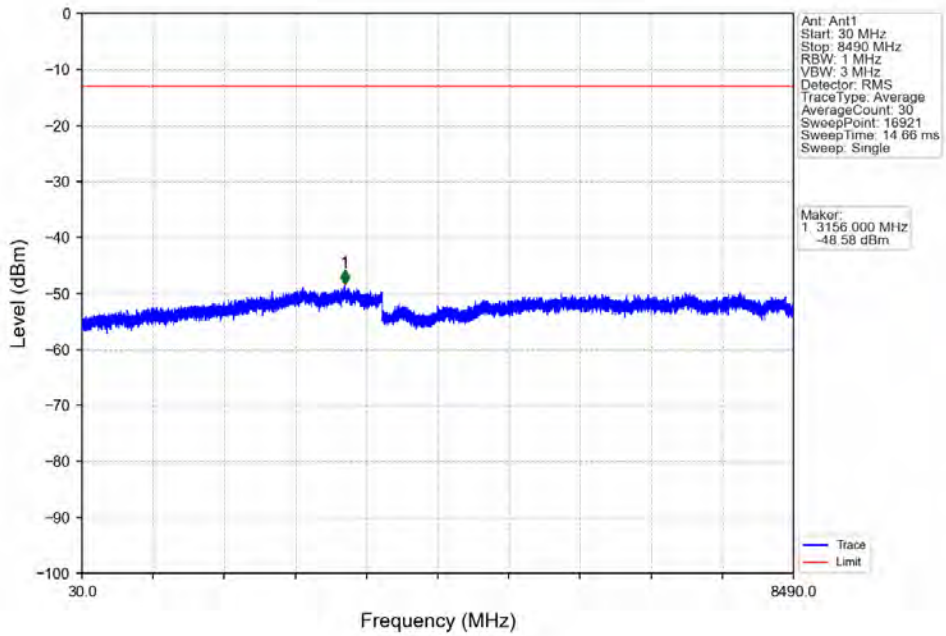


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	819.860	-64.43	-13	Pass
823	824	0.056	/	2	823.150	-65.50	-13	Pass
824	829	0.056	/	/	/	/	/	/

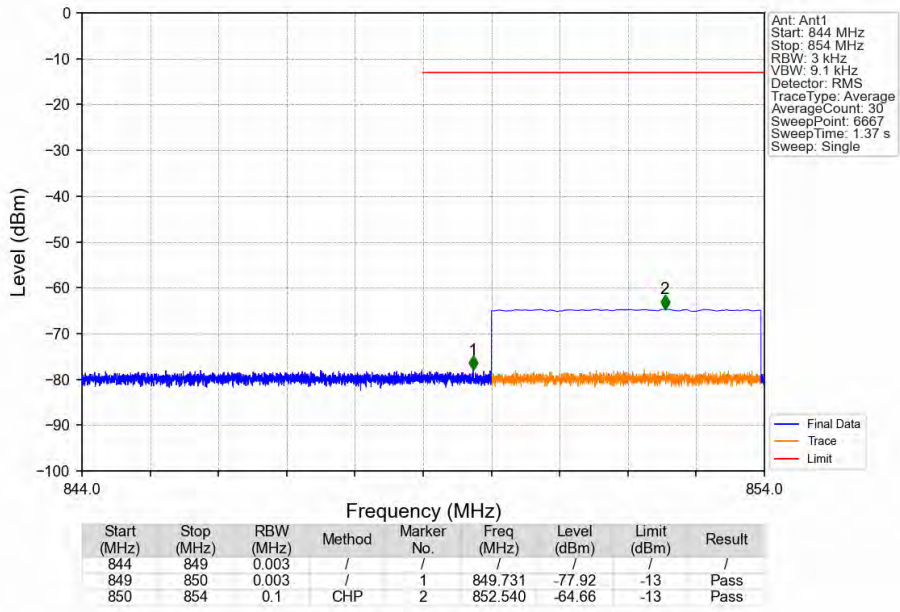
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



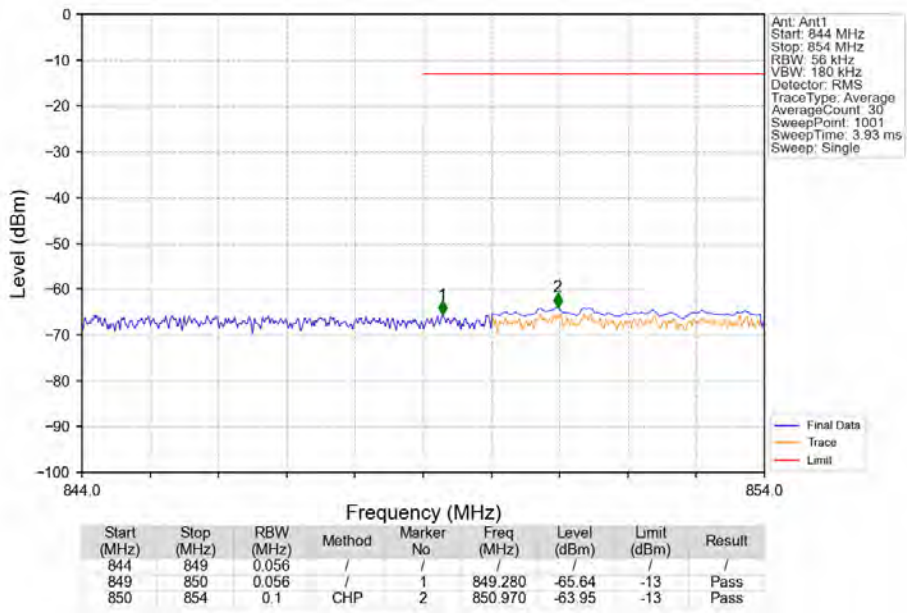
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

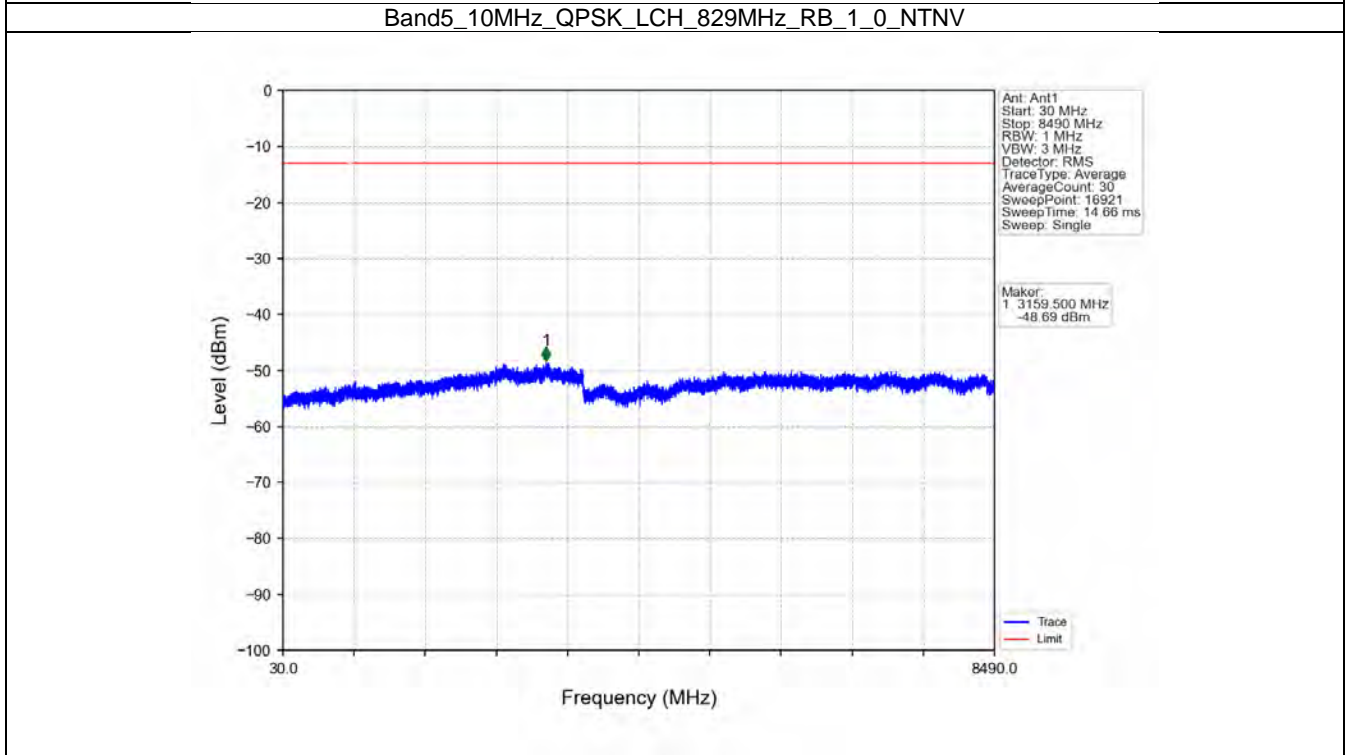
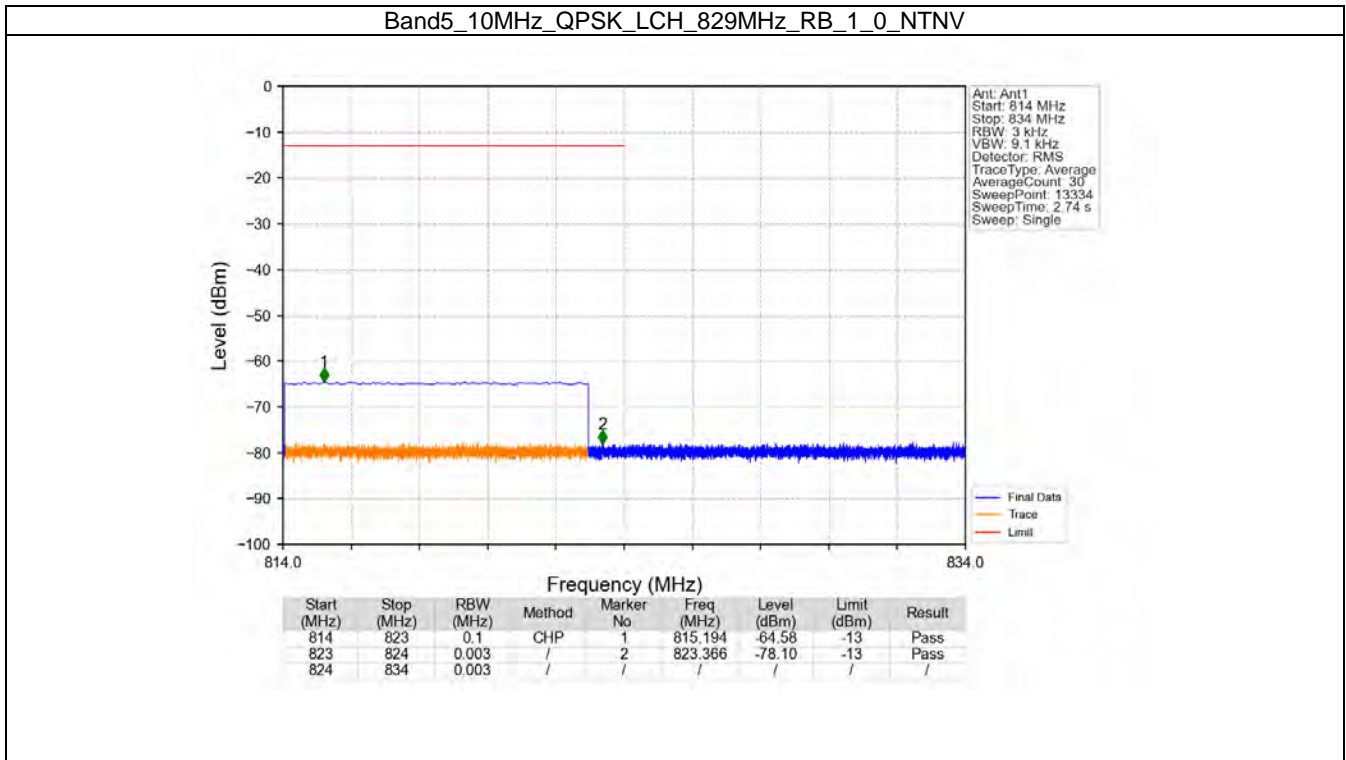


6.4 B5_10MHz

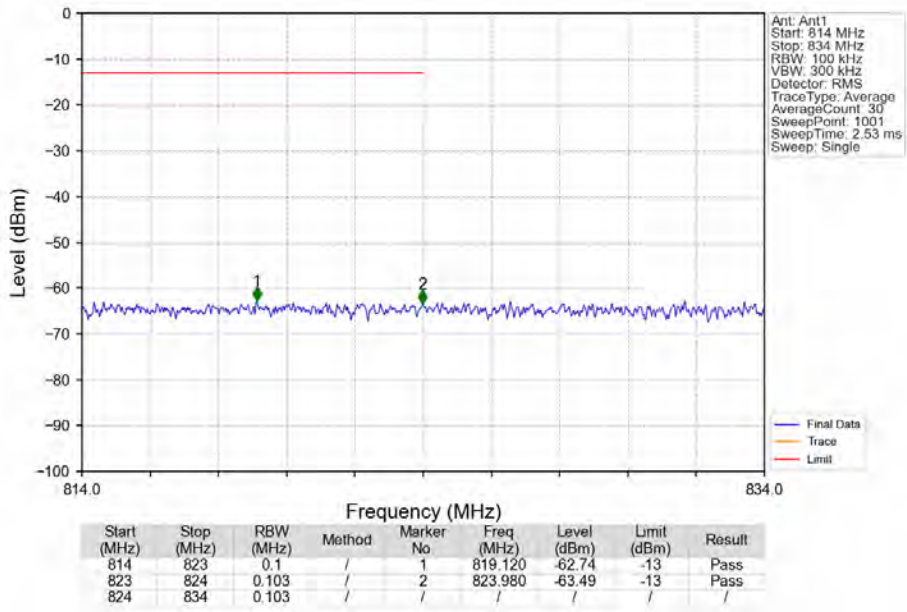
6.4.1 Test Result

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

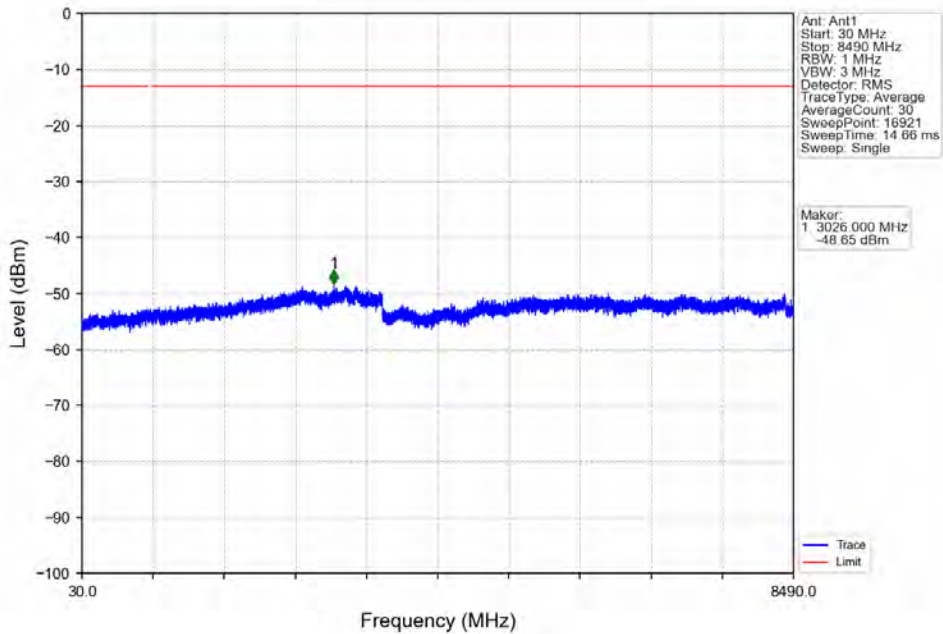
6.4.2 Test Graph



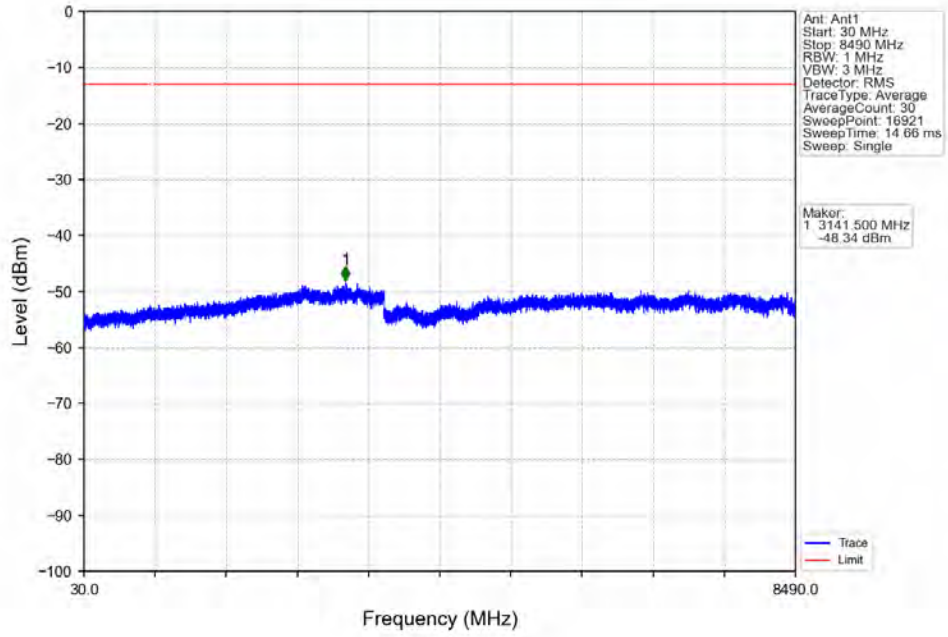
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



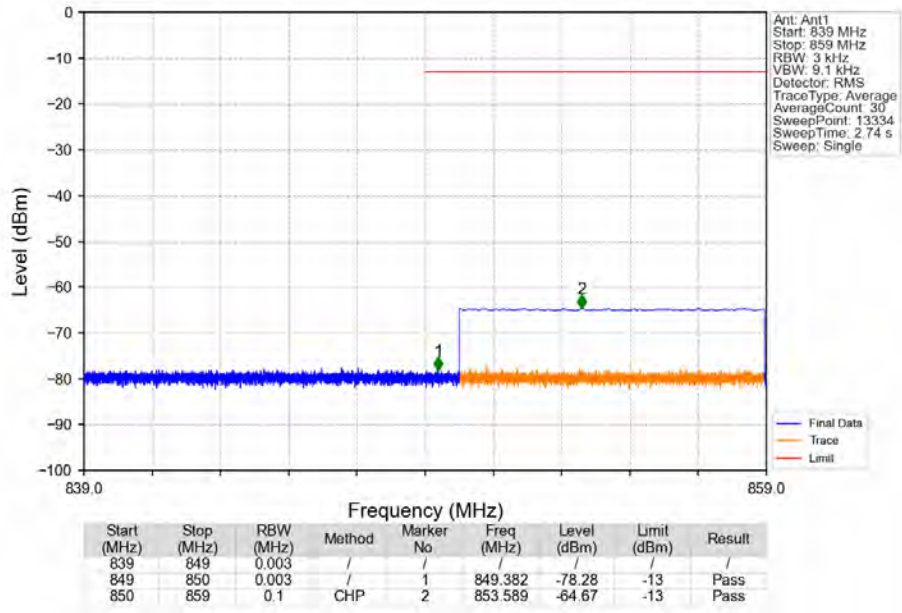
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



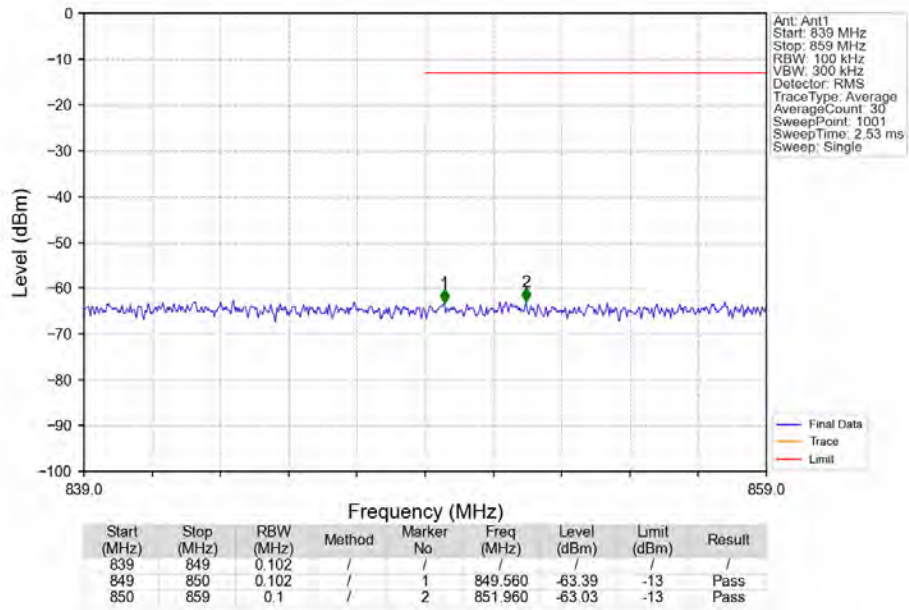
Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



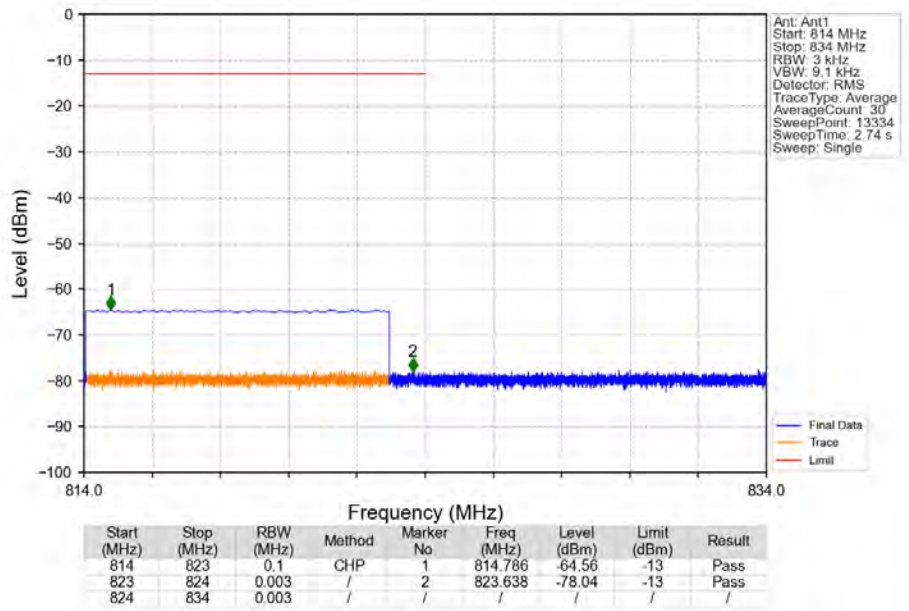
Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



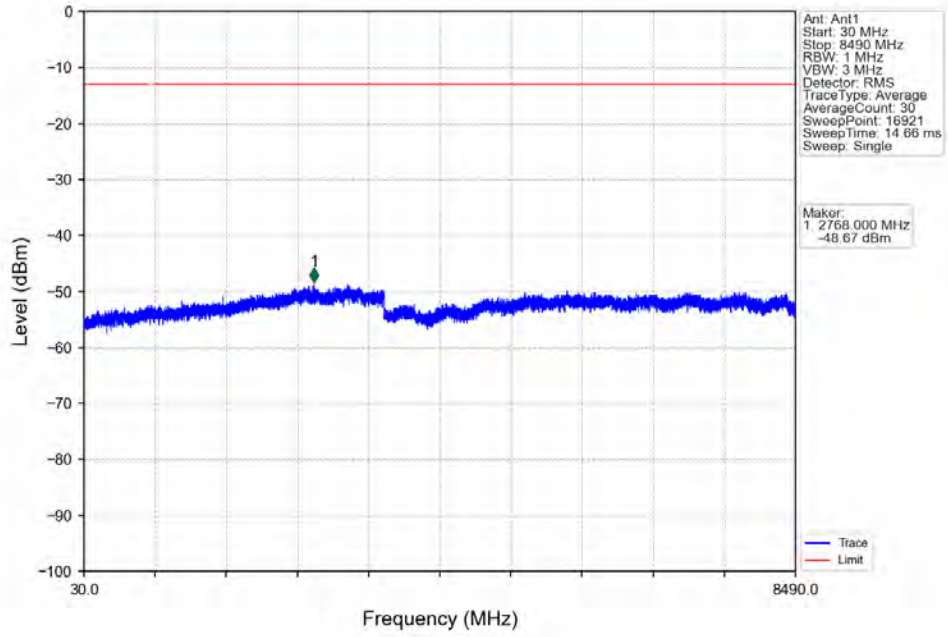
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



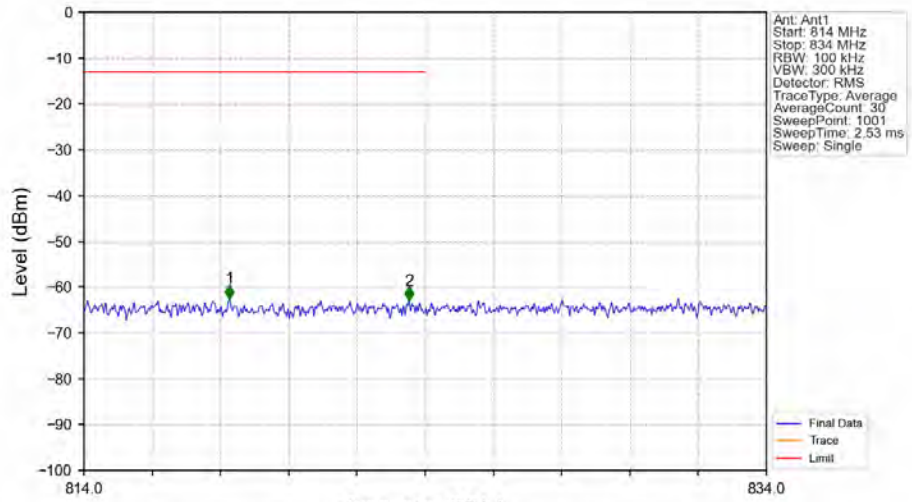
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

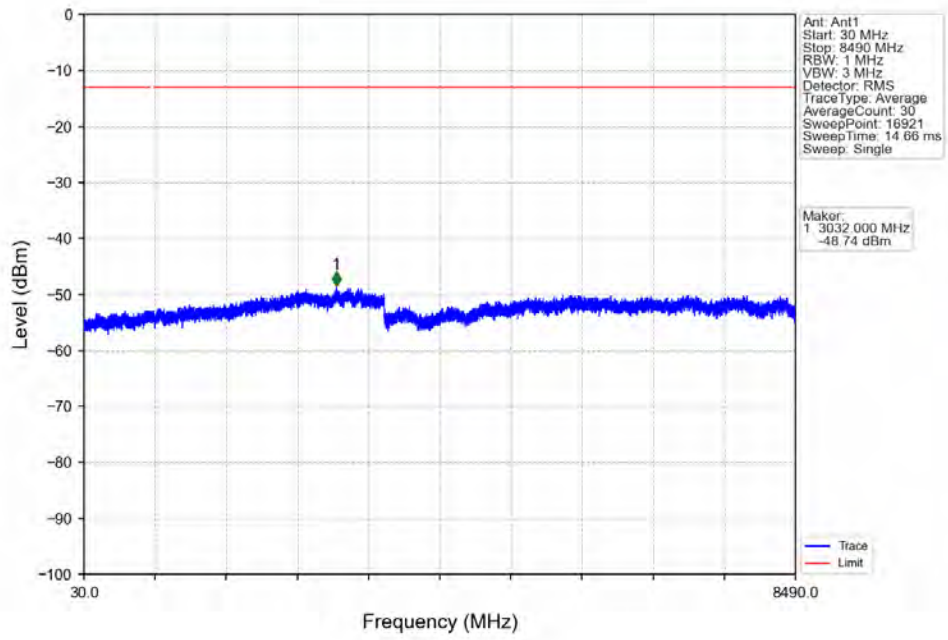


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

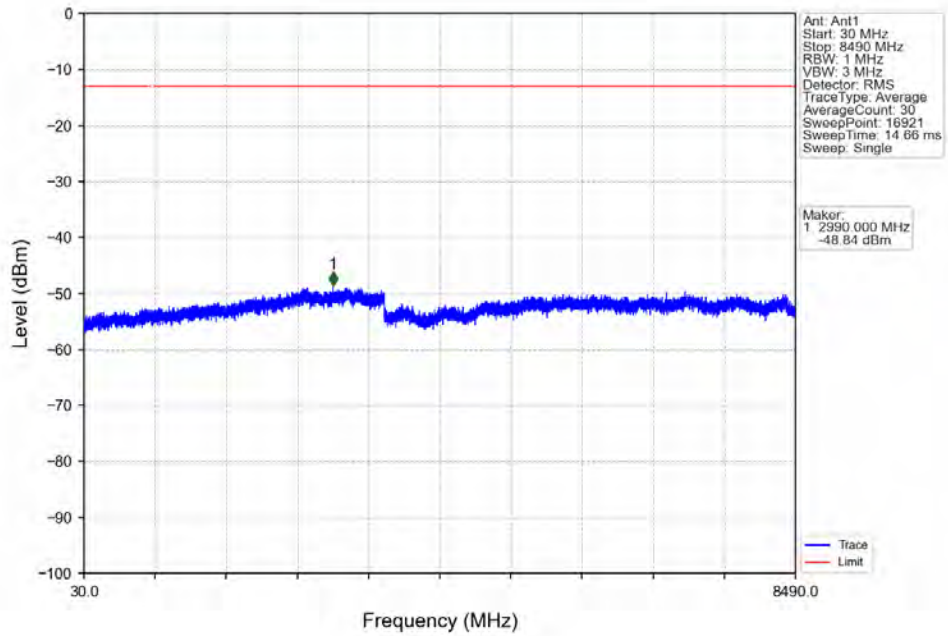


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	818.260	-62.54	-13	Pass
823	824	0.103	/	2	823.520	-62.92	-13	Pass
824	834	0.103	/	/	/	/	/	/

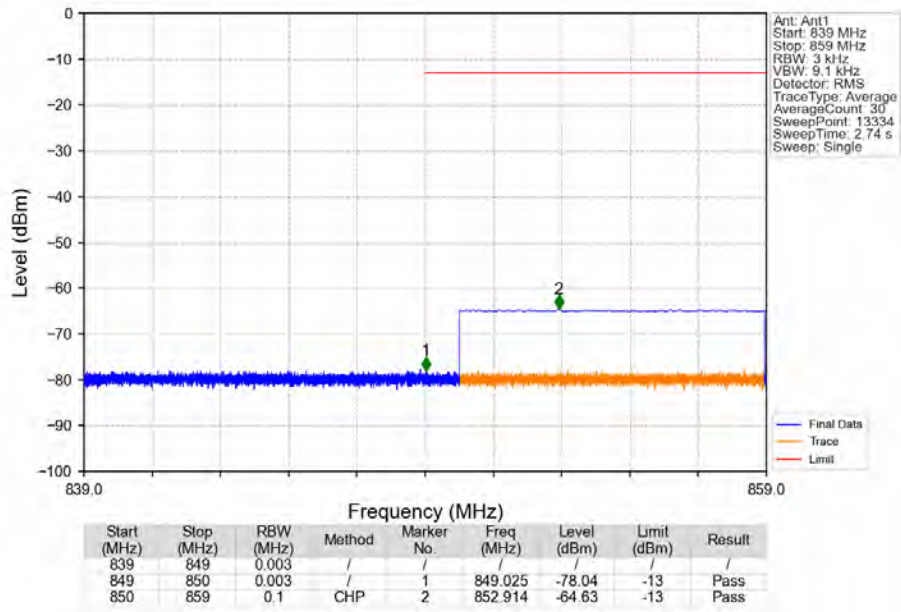
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



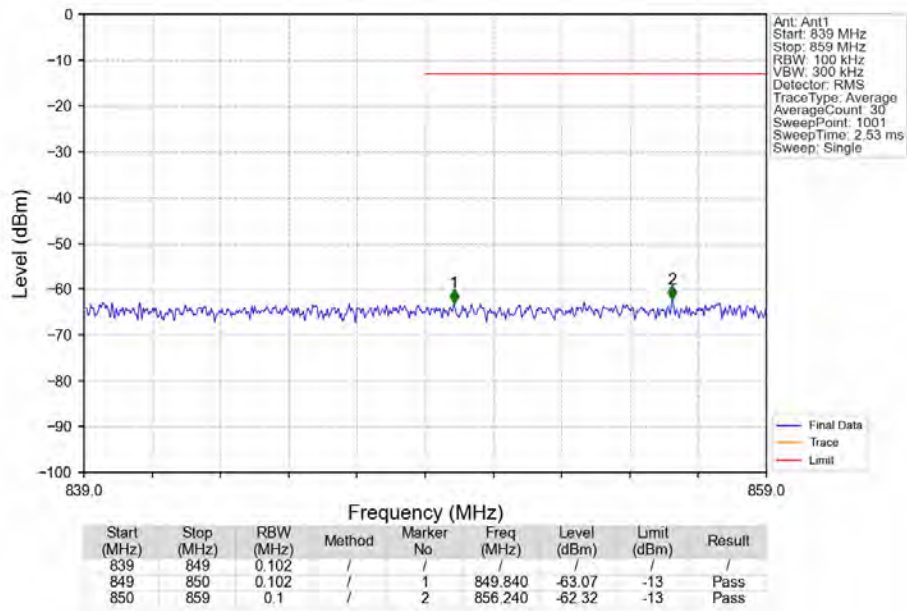
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_49_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
5	1.4	824.7	848.3	0.1574	0.0134	ppm	1M11G7D	22H	21.97
5	1.4	824.7	848.3	0.1734	0.0124	ppm	1M11W7D	22H	22.39
5	3	825.5	847.5	0.1770	0.0142	ppm	2M74G7D	22H	22.48
5	3	825.5	847.5	0.1318	0.0132	ppm	2M73W7D	22H	21.20
5	5	826.5	846.5	0.1730	0.0112	ppm	4M57G7D	22H	22.38
5	5	826.5	846.5	0.1230	0.0109	ppm	4M59W7D	22H	20.90
5	10	829	844	0.2382	0.0119	ppm	9M11G7D	22H	23.77
5	10	829	844	0.1343	0.0129	ppm	9M09W7D	22H	21.28

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	0.1061	0.0134	ppm	1M11G7D	22H	20.26
5	1.4	824.7	848.3	0.1169	0.0124	ppm	1M11W7D	22H	20.68
5	3	825.5	847.5	0.1193	0.0142	ppm	2M74G7D	22H	20.77
5	3	825.5	847.5	0.0889	0.0132	ppm	2M73W7D	22H	19.49
5	5	826.5	846.5	0.1166	0.0112	ppm	4M57G7D	22H	20.67
5	5	826.5	846.5	0.0829	0.0109	ppm	4M59W7D	22H	19.19
5	10	829	844	0.1606	0.0119	ppm	9M11G7D	22H	22.06
5	10	829	844	0.0905	0.0129	ppm	9M09W7D	22H	19.57