

1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	824.7	1	0	23.58	-3.70	17.73	<=38.45	Pass		
			2	23.69	-3.70	17.84	<=38.45	Pass		
			5	23.62	-3.70	17.77	<=38.45	Pass		
		3	0	23.60	-3.70	17.75	<=38.45	Pass		
			2	23.65	-3.70	17.80	<=38.45	Pass		
			3	23.63	-3.70	17.78	<=38.45	Pass		
		6	0	22.78	-3.70	16.93	<=38.45	Pass		
		836.5	1	0	23.57	-3.70	17.72	<=38.45	Pass	
				2	23.63	-3.70	17.78	<=38.45	Pass	
	5			23.58	-3.70	17.73	<=38.45	Pass		
	3		0	23.68	-3.70	17.83	<=38.45	Pass		
			2	23.70	-3.70	17.85	<=38.45	Pass		
			3	23.66	-3.70	17.81	<=38.45	Pass		
	6		0	22.79	-3.70	16.94	<=38.45	Pass		
	848.3		1	0	23.62	-3.70	17.77	<=38.45	Pass	
				2	23.65	-3.70	17.80	<=38.45	Pass	
		5		23.59	-3.70	17.74	<=38.45	Pass		
		3	0	23.64	-3.70	17.79	<=38.45	Pass		
			2	23.67	-3.70	17.82	<=38.45	Pass		
			3	23.63	-3.70	17.78	<=38.45	Pass		
		6	0	22.75	-3.70	16.90	<=38.45	Pass		
		16QAM	824.7	1	0	22.51	-3.70	16.66	<=38.45	Pass
					2	22.60	-3.70	16.75	<=38.45	Pass
	5				22.56	-3.70	16.71	<=38.45	Pass	
3	0			22.63	-3.70	16.78	<=38.45	Pass		
	2			22.65	-3.70	16.80	<=38.45	Pass		
	3			22.65	-3.70	16.80	<=38.45	Pass		
6	0			21.68	-3.70	15.83	<=38.45	Pass		
836.5	1			0	22.73	-3.70	16.88	<=38.45	Pass	
				2	22.77	-3.70	16.92	<=38.45	Pass	
			5	22.73	-3.70	16.88	<=38.45	Pass		
	3		0	22.62	-3.70	16.77	<=38.45	Pass		
			2	22.64	-3.70	16.79	<=38.45	Pass		
			3	22.63	-3.70	16.78	<=38.45	Pass		
	6		0	21.78	-3.70	15.93	<=38.45	Pass		
	848.3		1	0	22.46	-3.70	16.61	<=38.45	Pass	
				2	22.51	-3.70	16.66	<=38.45	Pass	
5				22.48	-3.70	16.63	<=38.45	Pass		
3			0	22.74	-3.70	16.89	<=38.45	Pass		
			2	22.79	-3.70	16.94	<=38.45	Pass		
			3	22.78	-3.70	16.93	<=38.45	Pass		
6			0	21.73	-3.70	15.88	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B5_3MHz_ERP

1.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	825.5	1	0	23.47	-3.70	17.62	<=38.45	Pass		
			7	23.66	-3.70	17.81	<=38.45	Pass		
			14	23.59	-3.70	17.74	<=38.45	Pass		
		8	0	22.66	-3.70	16.81	<=38.45	Pass		
			4	22.74	-3.70	16.89	<=38.45	Pass		
			7	22.69	-3.70	16.84	<=38.45	Pass		
		15	0	22.58	-3.70	16.73	<=38.45	Pass		
		836.5	1	0	23.47	-3.70	17.62	<=38.45	Pass	
				7	23.58	-3.70	17.73	<=38.45	Pass	
	14			23.44	-3.70	17.59	<=38.45	Pass		
	8		0	22.68	-3.70	16.83	<=38.45	Pass		
			4	22.74	-3.70	16.89	<=38.45	Pass		
			7	22.66	-3.70	16.81	<=38.45	Pass		
	15		0	22.65	-3.70	16.80	<=38.45	Pass		
	847.5		1	0	23.53	-3.70	17.68	<=38.45	Pass	
				7	23.63	-3.70	17.78	<=38.45	Pass	
		14		23.47	-3.70	17.62	<=38.45	Pass		
		8	0	22.68	-3.70	16.83	<=38.45	Pass		
			4	22.70	-3.70	16.85	<=38.45	Pass		
			7	22.65	-3.70	16.80	<=38.45	Pass		
		15	0	22.62	-3.70	16.77	<=38.45	Pass		
		16QAM	825.5	1	0	22.38	-3.70	16.53	<=38.45	Pass
					7	22.59	-3.70	16.74	<=38.45	Pass
	14				22.49	-3.70	16.64	<=38.45	Pass	
	8			0	21.71	-3.70	15.86	<=38.45	Pass	
				4	21.77	-3.70	15.92	<=38.45	Pass	
				7	21.67	-3.70	15.82	<=38.45	Pass	
15	0			21.60	-3.70	15.75	<=38.45	Pass		
836.5	1			0	22.64	-3.70	16.79	<=38.45	Pass	
				7	22.72	-3.70	16.87	<=38.45	Pass	
			14	22.57	-3.70	16.72	<=38.45	Pass		
	8		0	21.61	-3.70	15.76	<=38.45	Pass		
			4	21.69	-3.70	15.84	<=38.45	Pass		
			7	21.62	-3.70	15.77	<=38.45	Pass		
	15		0	21.59	-3.70	15.74	<=38.45	Pass		
	847.5		1	0	22.82	-3.70	16.97	<=38.45	Pass	
				7	22.99	-3.70	17.14	<=38.45	Pass	
14				22.83	-3.70	16.98	<=38.45	Pass		
8			0	21.78	-3.70	15.93	<=38.45	Pass		
			4	21.86	-3.70	16.01	<=38.45	Pass		
			7	21.79	-3.70	15.94	<=38.45	Pass		
15			0	21.67	-3.70	15.82	<=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	23.62	-3.70	17.77	<=38.45	Pass
			13	23.83	-3.70	17.98	<=38.45	Pass
			24	23.77	-3.70	17.92	<=38.45	Pass

16QAM	836.5	12	0	22.64	-3.70	16.79	<=38.45	Pass	
			6	22.76	-3.70	16.91	<=38.45	Pass	
			13	22.74	-3.70	16.89	<=38.45	Pass	
		25	0	22.66	-3.70	16.81	<=38.45	Pass	
			1	0	23.67	-3.70	17.82	<=38.45	Pass
				13	23.75	-3.70	17.90	<=38.45	Pass
		12	24	23.63	-3.70	17.78	<=38.45	Pass	
			0	22.67	-3.70	16.82	<=38.45	Pass	
			6	22.73	-3.70	16.88	<=38.45	Pass	
		25	13	22.68	-3.70	16.83	<=38.45	Pass	
			0	22.67	-3.70	16.82	<=38.45	Pass	
			1	0	23.69	-3.70	17.84	<=38.45	Pass
	13	23.79		-3.70	17.94	<=38.45	Pass		
	24	23.64		-3.70	17.79	<=38.45	Pass		
	846.5	12	0	22.65	-3.70	16.80	<=38.45	Pass	
			6	22.70	-3.70	16.85	<=38.45	Pass	
			13	22.64	-3.70	16.79	<=38.45	Pass	
		25	0	22.65	-3.70	16.80	<=38.45	Pass	
			1	0	22.66	-3.70	16.81	<=38.45	Pass
				13	22.82	-3.70	16.97	<=38.45	Pass
		24		22.79	-3.70	16.94	<=38.45	Pass	
		12	0	21.56	-3.70	15.71	<=38.45	Pass	
			6	21.69	-3.70	15.84	<=38.45	Pass	
			13	21.69	-3.70	15.84	<=38.45	Pass	
25		0	21.69	-3.70	15.84	<=38.45	Pass		
		1	0	22.83	-3.70	16.98	<=38.45	Pass	
	13		22.99	-3.70	17.14	<=38.45	Pass		
24	22.87		-3.70	17.02	<=38.45	Pass			
12	0	21.64	-3.70	15.79	<=38.45	Pass			
	6	21.74	-3.70	15.89	<=38.45	Pass			
	13	21.72	-3.70	15.87	<=38.45	Pass			
25	0	21.68	-3.70	15.83	<=38.45	Pass			
	1	0	22.41	-3.70	16.56	<=38.45	Pass		
		13	22.54	-3.70	16.69	<=38.45	Pass		
24		22.46	-3.70	16.61	<=38.45	Pass			
12	0	21.65	-3.70	15.80	<=38.45	Pass			
	6	21.69	-3.70	15.84	<=38.45	Pass			
	13	21.63	-3.70	15.78	<=38.45	Pass			
25	0	21.72	-3.70	15.87	<=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	23.72	-3.70	17.87	<=38.45	Pass	
			25	23.90	-3.70	18.05	<=38.45	Pass	
			49	23.82	-3.70	17.97	<=38.45	Pass	
		25	0	22.60	-3.70	16.75	<=38.45	Pass	
			13	22.75	-3.70	16.90	<=38.45	Pass	
			25	22.67	-3.70	16.82	<=38.45	Pass	
	50	0	22.68	-3.70	16.83	<=38.45	Pass		
		836.5	1	0	23.75	-3.70	17.90	<=38.45	Pass
				25	23.69	-3.70	17.84	<=38.45	Pass

16QAM	844	25	49	23.68	-3.70	17.83	<=38.45	Pass	
			0	22.65	-3.70	16.80	<=38.45	Pass	
			13	22.74	-3.70	16.89	<=38.45	Pass	
			25	22.69	-3.70	16.84	<=38.45	Pass	
		50	0	22.68	-3.70	16.83	<=38.45	Pass	
		1	0	23.64	-3.70	17.79	<=38.45	Pass	
			25	23.77	-3.70	17.92	<=38.45	Pass	
			49	23.74	-3.70	17.89	<=38.45	Pass	
			0	22.65	-3.70	16.80	<=38.45	Pass	
			25	13	22.64	-3.70	16.79	<=38.45	Pass
				25	22.58	-3.70	16.73	<=38.45	Pass
				50	0	22.63	-3.70	16.78	<=38.45
	829		1	0	22.65	-3.70	16.80	<=38.45	Pass
		25		22.75	-3.70	16.90	<=38.45	Pass	
		49		22.69	-3.70	16.84	<=38.45	Pass	
		25	0	21.67	-3.70	15.82	<=38.45	Pass	
			13	21.82	-3.70	15.97	<=38.45	Pass	
			25	21.76	-3.70	15.91	<=38.45	Pass	
		50	0	21.65	-3.70	15.80	<=38.45	Pass	
		836.5	1	0	22.80	-3.70	16.95	<=38.45	Pass
				25	22.82	-3.70	16.97	<=38.45	Pass
				49	22.79	-3.70	16.94	<=38.45	Pass
			25	0	21.67	-3.70	15.82	<=38.45	Pass
				13	21.75	-3.70	15.90	<=38.45	Pass
25	21.70			-3.70	15.85	<=38.45	Pass		
50	0	21.68	-3.70	15.83	<=38.45	Pass			
844	1	0	23.14	-3.70	17.29	<=38.45	Pass		
		25	23.09	-3.70	17.24	<=38.45	Pass		
		49	23.12	-3.70	17.27	<=38.45	Pass		
	25	0	21.69	-3.70	15.84	<=38.45	Pass		
		13	21.74	-3.70	15.89	<=38.45	Pass		
		25	21.65	-3.70	15.80	<=38.45	Pass		
	50	0	21.66	-3.70	15.81	<=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	-3.161	-0.0038	-2.5 to 2.5	Pass	
					3.85	-8.597	-0.0104	-2.5 to 2.5	Pass	
					4.43	-3.204	-0.0039	-2.5 to 2.5	Pass	
				-30	3.85	-3.505	-0.0043	-2.5 to 2.5	Pass	
					-20	3.85	-1.502	-0.0018	-2.5 to 2.5	Pass
						-10	3.85	-3.133	-0.0038	-2.5 to 2.5
					0	3.85	-6.108	-0.0074	-2.5 to 2.5	Pass
					10	3.85	-1.960	-0.0024	-2.5 to 2.5	Pass
					30	3.85	-3.519	-0.0043	-2.5 to 2.5	Pass
					40	3.85	-4.950	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-2.561	-0.0031	-2.5 to 2.5	Pass	
				836.5	6	0	20	3.27	-3.791	-0.0045

					3.85	-4.778	-0.0057	-2.5 to 2.5	Pass
					4.43	0.272	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-5.450	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-3.948	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-3.462	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-1.788	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-5.350	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-3.405	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-3.290	-0.0039	-2.5 to 2.5	Pass
	50	3.85	-5.064	-0.0061	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.27	1.030	0.0012	-2.5 to 2.5	Pass
					3.85	-4.392	-0.0052	-2.5 to 2.5	Pass
					4.43	-2.618	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-3.419	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.715	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-4.592	-0.0054	-2.5 to 2.5	Pass
30				3.85	-4.992	-0.0059	-2.5 to 2.5	Pass	
40	3.85	-5.364	-0.0063	-2.5 to 2.5	Pass				
50	3.85	-4.263	-0.0050	-2.5 to 2.5	Pass				
16QAM	824.7	6	0	20	3.27	6.223	0.0075	-2.5 to 2.5	Pass
					3.85	-1.860	-0.0023	-2.5 to 2.5	Pass
					4.43	-3.433	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-2.890	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-1.802	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-2.089	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-5.050	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-4.950	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
	40	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass			
	50	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.27	-0.372	-0.0004	-2.5 to 2.5	Pass
					3.85	-2.275	-0.0027	-2.5 to 2.5	Pass
					4.43	-3.934	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-3.204	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-5.407	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-4.892	-0.0058	-2.5 to 2.5	Pass
10				3.85	-1.788	-0.0021	-2.5 to 2.5	Pass	
30				3.85	-0.401	-0.0005	-2.5 to 2.5	Pass	
40	3.85	-5.951	-0.0071	-2.5 to 2.5	Pass				
50	3.85	-3.004	-0.0036	-2.5 to 2.5	Pass				
848.3	6	0	20	3.27	-2.189	-0.0026	-2.5 to 2.5	Pass	
				3.85	-2.403	-0.0028	-2.5 to 2.5	Pass	
				4.43	-3.991	-0.0047	-2.5 to 2.5	Pass	
			-30	3.85	-2.446	-0.0029	-2.5 to 2.5	Pass	
			-20	3.85	-0.601	-0.0007	-2.5 to 2.5	Pass	
			-10	3.85	-5.708	-0.0067	-2.5 to 2.5	Pass	
			0	3.85	0.815	0.0010	-2.5 to 2.5	Pass	
			10	3.85	0.286	0.0003	-2.5 to 2.5	Pass	
			30	3.85	-4.892	-0.0058	-2.5 to 2.5	Pass	
40	3.85	-4.964	-0.0059	-2.5 to 2.5	Pass				
50	3.85	-0.887	-0.0010	-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	-3.018	-0.0037	-2.5 to 2.5	Pass
					3.85	-5.221	-0.0063	-2.5 to 2.5	Pass
					4.43	-4.277	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-3.948	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-2.661	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-0.544	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.861	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-1.402	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.418	-0.0029	-2.5 to 2.5	Pass
	40	3.85	-4.549	-0.0055	-2.5 to 2.5	Pass			
	50	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	2.933	0.0035	-2.5 to 2.5	Pass
					3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
					4.43	-3.791	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	0.672	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-5.064	-0.0061	-2.5 to 2.5	Pass
				10	3.85	0.873	0.0010	-2.5 to 2.5	Pass
				30	3.85	-2.117	-0.0025	-2.5 to 2.5	Pass
	40	3.85	-4.892	-0.0058	-2.5 to 2.5	Pass			
	50	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	2.089	0.0025	-2.5 to 2.5	Pass
					3.85	-2.918	-0.0034	-2.5 to 2.5	Pass
					4.43	-2.732	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-5.493	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-2.675	-0.0032	-2.5 to 2.5	Pass
-10				3.85	-1.960	-0.0023	-2.5 to 2.5	Pass	
0				3.85	-2.518	-0.0030	-2.5 to 2.5	Pass	
10				3.85	-1.116	-0.0013	-2.5 to 2.5	Pass	
30				3.85	-0.629	-0.0007	-2.5 to 2.5	Pass	
40	3.85	-2.818	-0.0033	-2.5 to 2.5	Pass				
50	3.85	-4.892	-0.0058	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.27	-4.106	-0.0050	-2.5 to 2.5	Pass
					3.85	-4.749	-0.0058	-2.5 to 2.5	Pass
					4.43	-0.515	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-5.164	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-3.576	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-5.050	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-3.991	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
	40	3.85	-2.732	-0.0033	-2.5 to 2.5	Pass			
	50	3.85	-2.174	-0.0026	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	-3.791	-0.0045	-2.5 to 2.5	Pass
					3.85	-3.490	-0.0042	-2.5 to 2.5	Pass
					4.43	-0.815	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.515	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-4.506	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-4.420	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
10				3.85	-0.987	-0.0012	-2.5 to 2.5	Pass	
30				3.85	-4.778	-0.0057	-2.5 to 2.5	Pass	
40	3.85	0.000	0.0000	-2.5 to 2.5	Pass				

	847.5	15	0	50	3.85	0.629	0.0008	-2.5 to 2.5	Pass
				20	3.27	-3.562	-0.0042	-2.5 to 2.5	Pass
					3.85	-3.448	-0.0041	-2.5 to 2.5	Pass
					4.43	-5.622	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-3.920	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-2.804	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-4.406	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-4.878	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-4.506	-0.0053	-2.5 to 2.5	Pass

2.3 B5_5MHz

2.3.1 Test Result

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	-3.304	-0.0040	-2.5 to 2.5	Pass
					3.85	-5.965	-0.0072	-2.5 to 2.5	Pass
					4.43	-1.988	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.732	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-4.163	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-1.473	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.948	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-1.302	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.245	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-4.921	-0.0060	-2.5 to 2.5	Pass
				50	3.85	-1.616	-0.0020	-2.5 to 2.5	Pass
				836.5	25	0	20	3.27	-0.429
	3.85	-4.549	-0.0054					-2.5 to 2.5	Pass
	4.43	-2.947	-0.0035					-2.5 to 2.5	Pass
	-30	3.85	-2.832				-0.0034	-2.5 to 2.5	Pass
	-20	3.85	-3.963				-0.0047	-2.5 to 2.5	Pass
	-10	3.85	-5.450				-0.0065	-2.5 to 2.5	Pass
	0	3.85	-1.688				-0.0020	-2.5 to 2.5	Pass
	10	3.85	-2.403				-0.0029	-2.5 to 2.5	Pass
	30	3.85	-2.089				-0.0025	-2.5 to 2.5	Pass
	40	3.85	-4.306				-0.0051	-2.5 to 2.5	Pass
	50	3.85	-2.074				-0.0025	-2.5 to 2.5	Pass
	846.5	25	0				20	3.27	-0.501
				3.85	-2.503	-0.0030		-2.5 to 2.5	Pass
				4.43	-4.091	-0.0048		-2.5 to 2.5	Pass
				-30	3.85	-4.935	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-4.807	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-4.592	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-3.119	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-2.747	-0.0032	-2.5 to 2.5	Pass
30				3.85	-3.176	-0.0038	-2.5 to 2.5	Pass	
40				3.85	-4.992	-0.0059	-2.5 to 2.5	Pass	
50				3.85	-2.775	-0.0033	-2.5 to 2.5	Pass	
16QAM				826.5	25	0	20	3.27	-1.817
	3.85	-0.658	-0.0008					-2.5 to 2.5	Pass
	4.43	0.858	0.0010					-2.5 to 2.5	Pass
	-30	3.85	-0.658				-0.0008	-2.5 to 2.5	Pass

	836.5	25	0	-20	3.85	-2.146	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-1.860	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.788	-0.0022	-2.5 to 2.5	Pass
				10	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.329	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-3.376	-0.0041	-2.5 to 2.5	Pass
				20	3.27	-2.217	-0.0027	-2.5 to 2.5	Pass
					3.85	-2.031	-0.0024	-2.5 to 2.5	Pass
					4.43	-3.405	-0.0041	-2.5 to 2.5	Pass
	-30	3.85	-1.559	-0.0019	-2.5 to 2.5	Pass			
	-20	3.85	-1.402	-0.0017	-2.5 to 2.5	Pass			
	-10	3.85	0.186	0.0002	-2.5 to 2.5	Pass			
	0	3.85	-3.576	-0.0043	-2.5 to 2.5	Pass			
	10	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass			
	30	3.85	-1.788	-0.0021	-2.5 to 2.5	Pass			
	40	3.85	-6.924	-0.0083	-2.5 to 2.5	Pass			
	50	3.85	-4.077	-0.0049	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.27	-3.791	-0.0045	-2.5 to 2.5	Pass
					3.85	-4.034	-0.0048	-2.5 to 2.5	Pass
					4.43	-2.875	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-4.148	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-2.732	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-2.060	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-2.031	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-4.649	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-4.520	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-3.362	-0.0040	-2.5 to 2.5	Pass
	50	3.85	-4.048	-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	-4.063	-0.0049	-2.5 to 2.5	Pass
					3.85	-2.117	-0.0026	-2.5 to 2.5	Pass
					4.43	-1.001	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.232	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-2.589	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-2.303	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-2.217	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-2.489	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
	50	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.27	-4.420	-0.0053	-2.5 to 2.5	Pass
					3.85	-5.136	-0.0061	-2.5 to 2.5	Pass
					4.43	-4.392	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-2.575	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-3.133	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-3.748	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-2.103	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-4.163	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-1.330	-0.0016	-2.5 to 2.5	Pass

	844	50	0	40	3.85	-3.819	-0.0046	-2.5 to 2.5	Pass				
				50	3.85	-2.103	-0.0025	-2.5 to 2.5	Pass				
				20	3.27	-2.246	-0.0027	-2.5 to 2.5	Pass				
					3.85	-2.217	-0.0026	-2.5 to 2.5	Pass				
					4.43	-2.975	-0.0035	-2.5 to 2.5	Pass				
				-30	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass				
				-20	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass				
				-10	3.85	-1.645	-0.0019	-2.5 to 2.5	Pass				
				0	3.85	-2.160	-0.0026	-2.5 to 2.5	Pass				
				10	3.85	-1.774	-0.0021	-2.5 to 2.5	Pass				
				30	3.85	-2.489	-0.0029	-2.5 to 2.5	Pass				
				40	3.85	-2.661	-0.0032	-2.5 to 2.5	Pass				
				50	3.85	-2.418	-0.0029	-2.5 to 2.5	Pass				
				16QAM	829	50	0	20	3.27	-0.272	-0.0003	-2.5 to 2.5	Pass
									3.85	-2.804	-0.0034	-2.5 to 2.5	Pass
4.43	-1.931	-0.0023	-2.5 to 2.5						Pass				
-30	3.85	-1.359	-0.0016					-2.5 to 2.5	Pass				
-20	3.85	-2.103	-0.0025					-2.5 to 2.5	Pass				
-10	3.85	-2.947	-0.0036					-2.5 to 2.5	Pass				
0	3.85	-5.264	-0.0063					-2.5 to 2.5	Pass				
10	3.85	-2.246	-0.0027					-2.5 to 2.5	Pass				
30	3.85	-2.804	-0.0034					-2.5 to 2.5	Pass				
40	3.85	-2.203	-0.0027					-2.5 to 2.5	Pass				
50	3.85	-2.532	-0.0031					-2.5 to 2.5	Pass				
836.5	50	0	20					3.27	-1.488	-0.0018	-2.5 to 2.5	Pass	
					3.85	-3.290	-0.0039	-2.5 to 2.5	Pass				
					4.43	-3.061	-0.0037	-2.5 to 2.5	Pass				
			-30		3.85	-2.861	-0.0034	-2.5 to 2.5	Pass				
			-20		3.85	-4.320	-0.0052	-2.5 to 2.5	Pass				
			-10		3.85	-2.174	-0.0026	-2.5 to 2.5	Pass				
			0		3.85	-2.918	-0.0035	-2.5 to 2.5	Pass				
			10		3.85	-3.376	-0.0040	-2.5 to 2.5	Pass				
			30		3.85	-3.419	-0.0041	-2.5 to 2.5	Pass				
			40		3.85	-1.531	-0.0018	-2.5 to 2.5	Pass				
			50		3.85	-2.117	-0.0025	-2.5 to 2.5	Pass				
			844		50	0	20	3.27	-2.275	-0.0027	-2.5 to 2.5	Pass	
3.85	-3.176	-0.0038						-2.5 to 2.5	Pass				
4.43	-2.818	-0.0033						-2.5 to 2.5	Pass				
-30	3.85	-3.819					-0.0045	-2.5 to 2.5	Pass				
-20	3.85	-2.031					-0.0024	-2.5 to 2.5	Pass				
-10	3.85	-2.403		-0.0028			-2.5 to 2.5	Pass					
0	3.85	-1.273		-0.0015			-2.5 to 2.5	Pass					
10	3.85	-1.831		-0.0022			-2.5 to 2.5	Pass					
30	3.85	-1.917		-0.0023			-2.5 to 2.5	Pass					
40	3.85	-2.103		-0.0025			-2.5 to 2.5	Pass					
50	3.85	-1.173		-0.0014			-2.5 to 2.5	Pass					

3. Modulation Characteristics

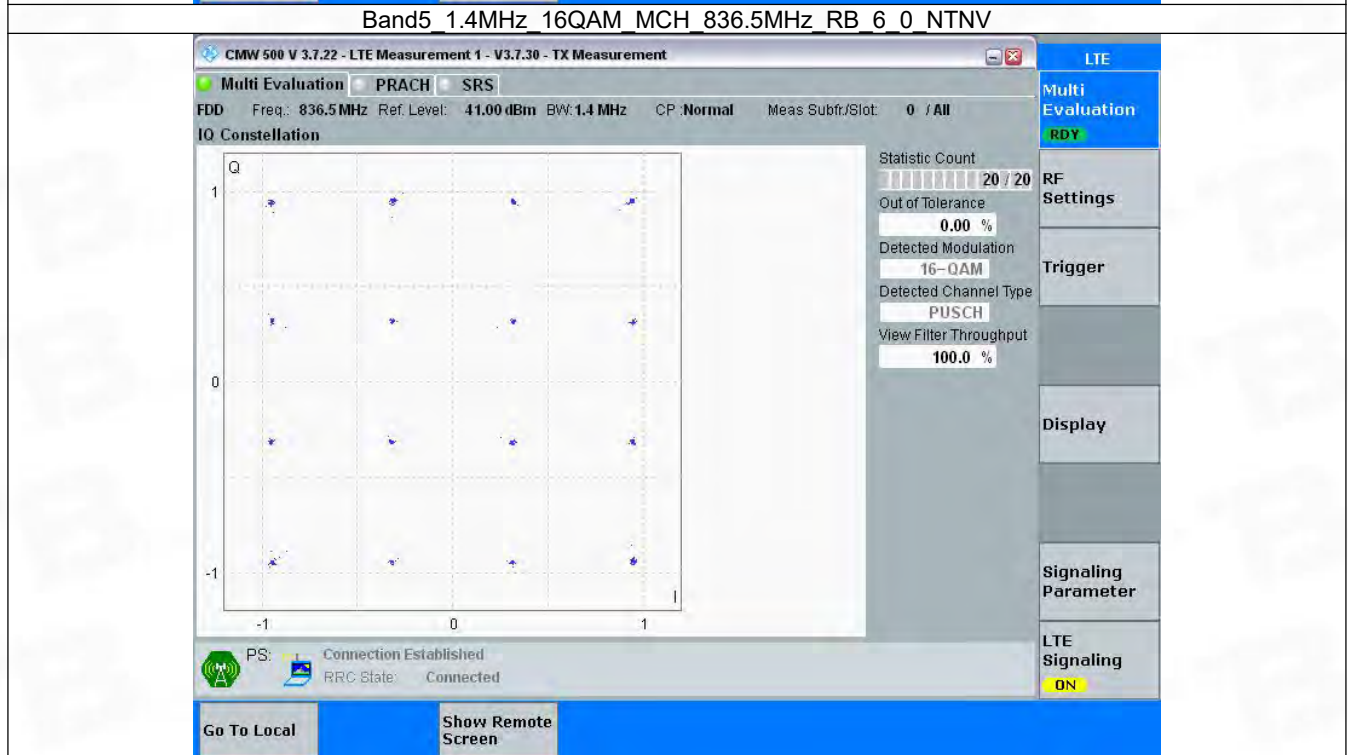
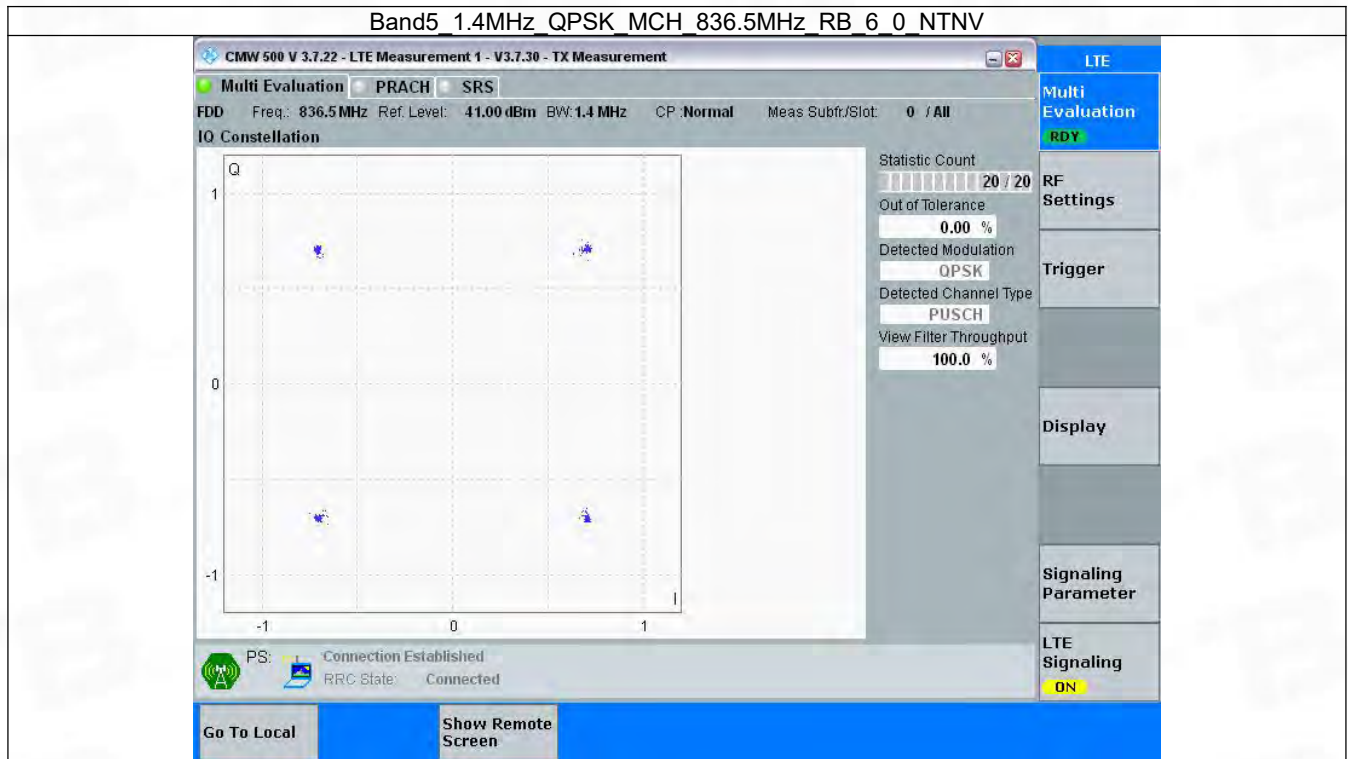
3.1 B5_1.4MHz

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

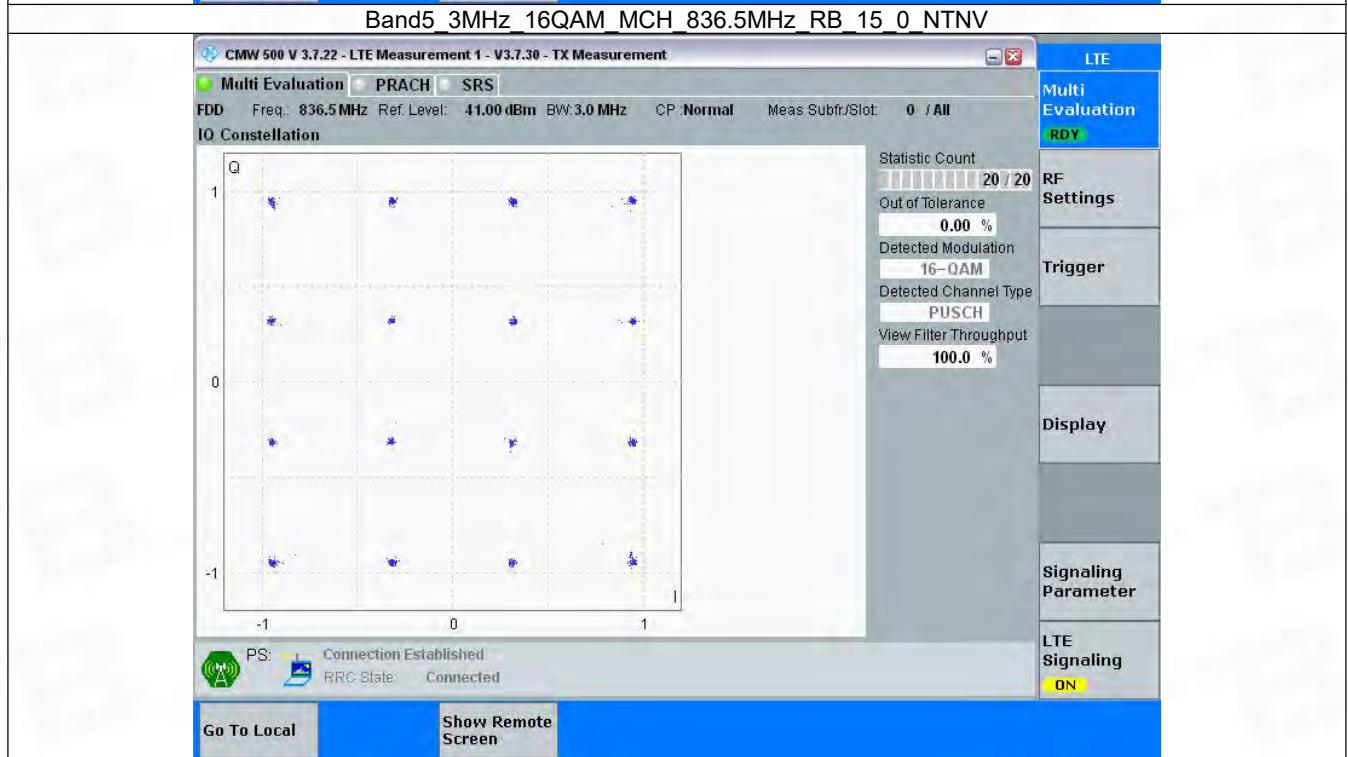
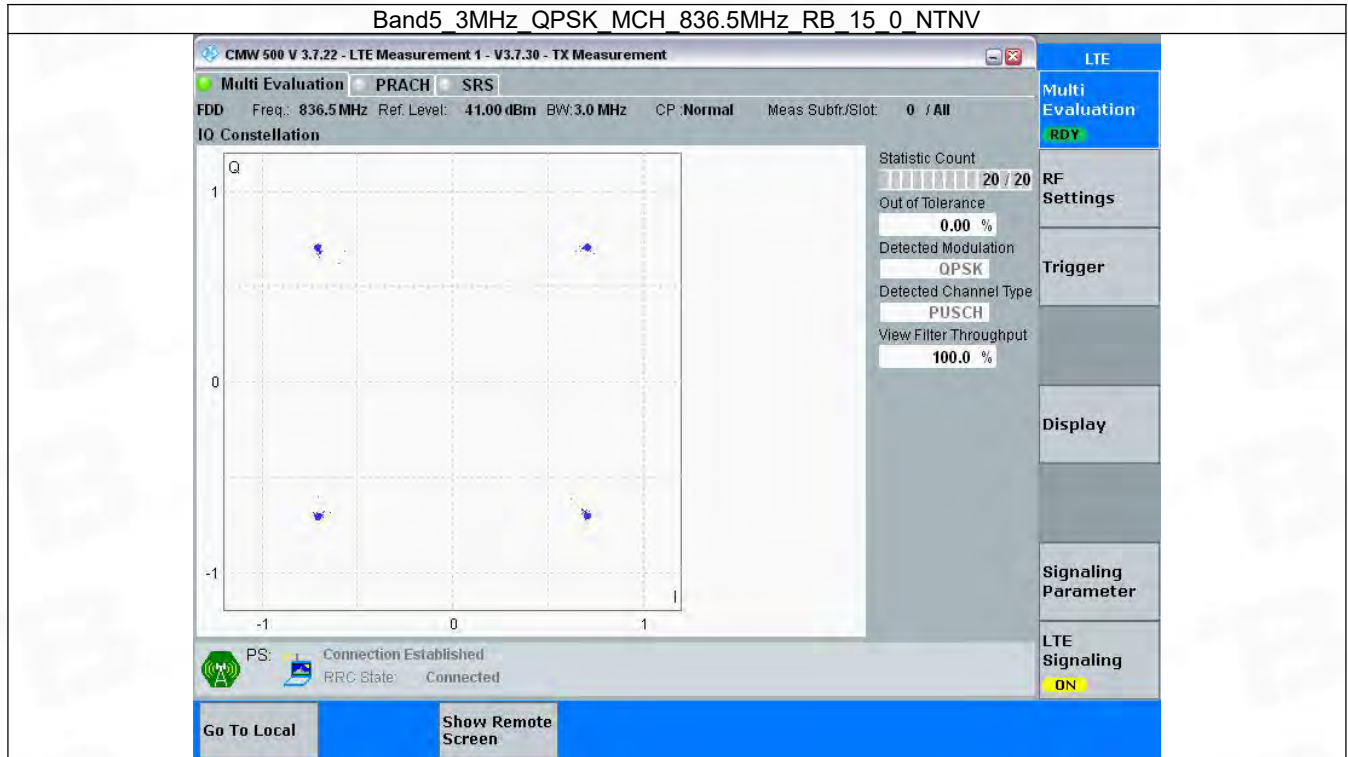


3.2 B5_3MHz

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

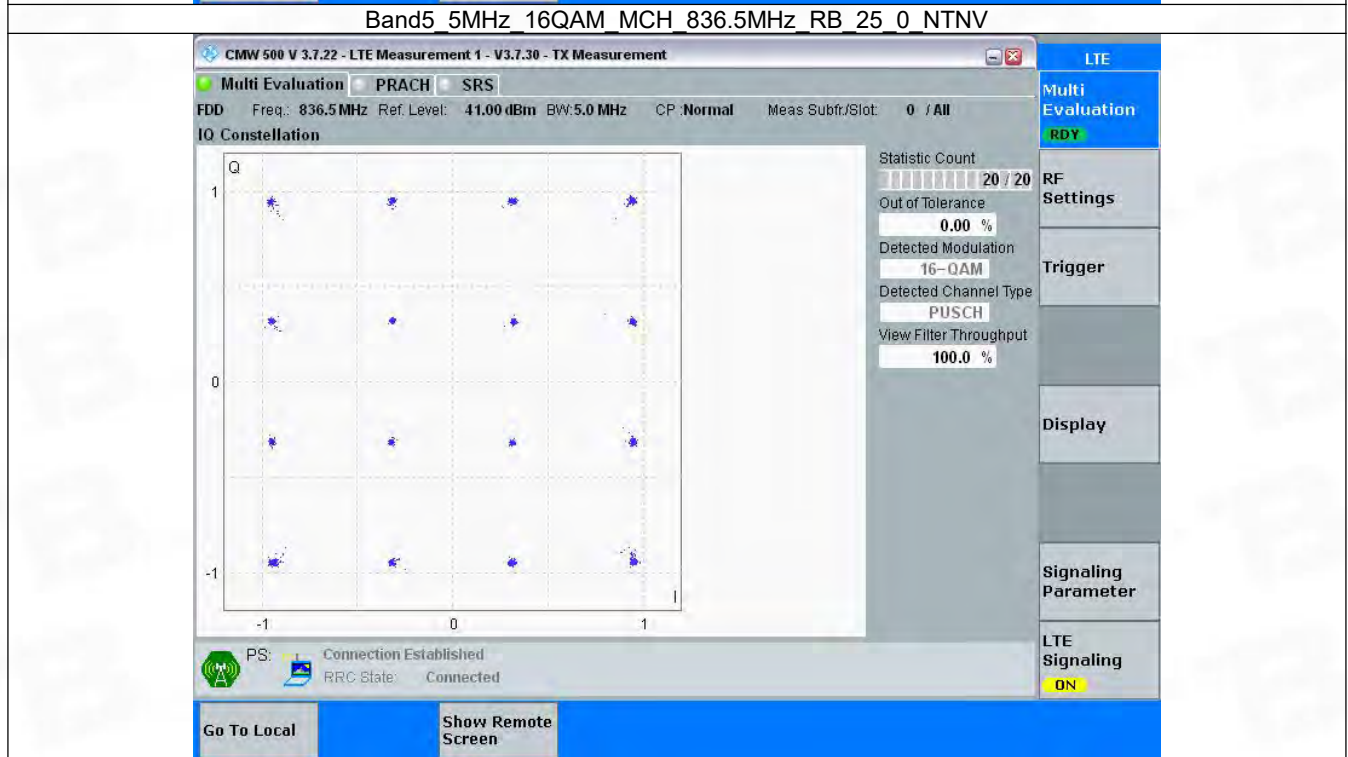
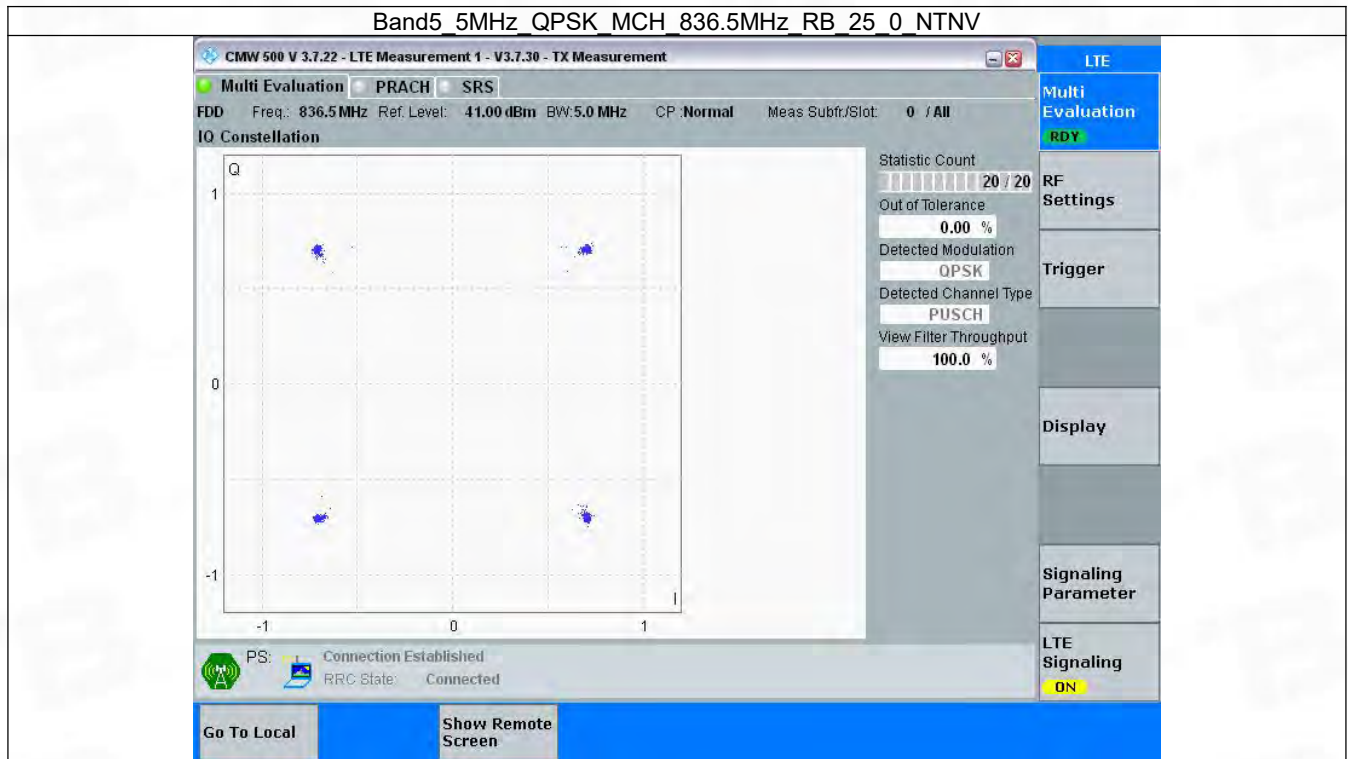


3.3 B5_5MHz

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

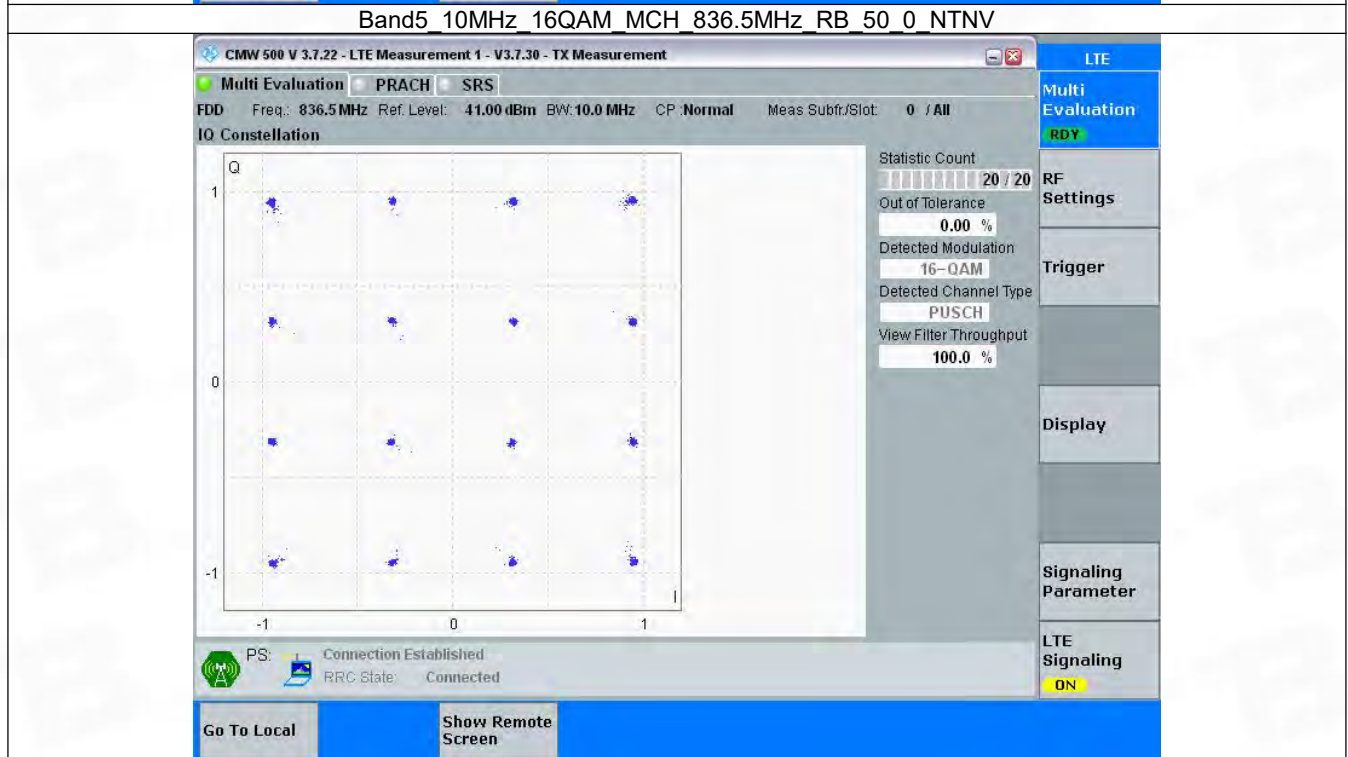
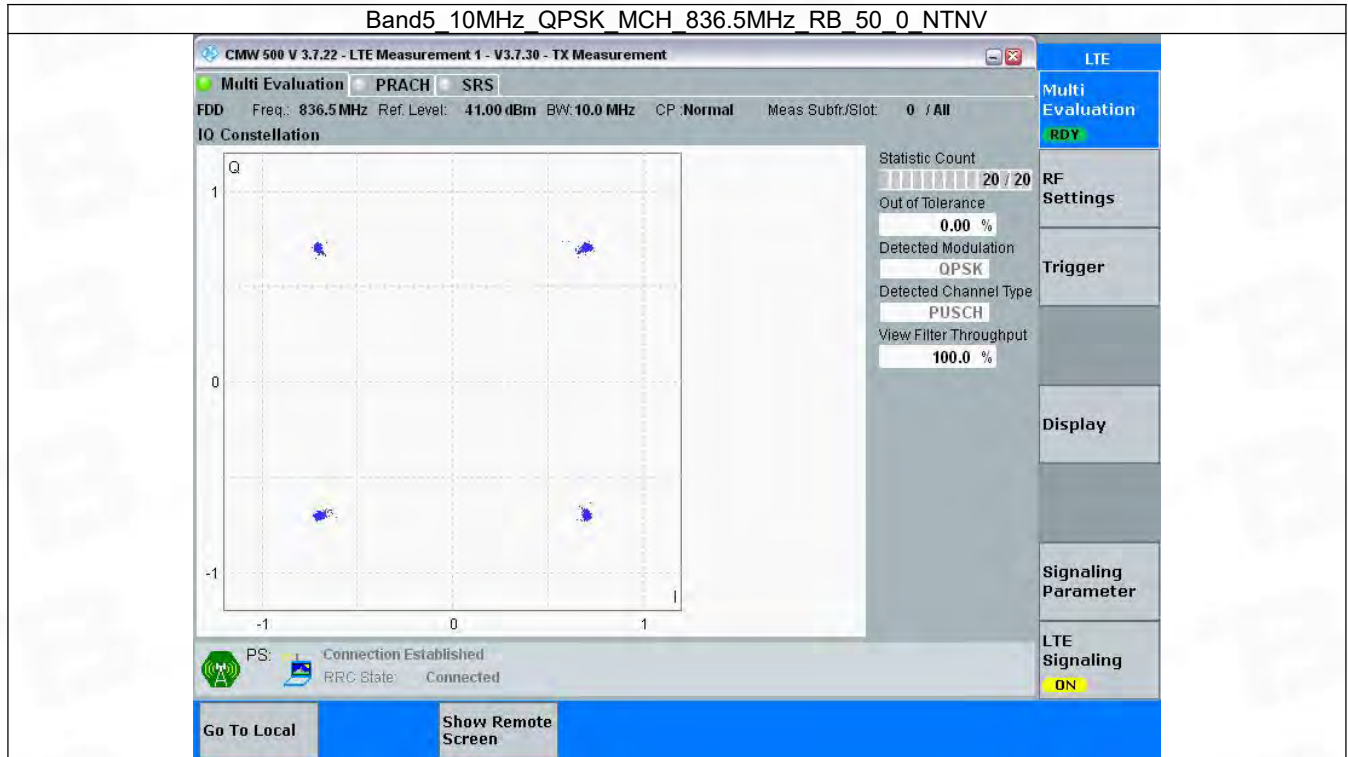


3.4 B5_10MHz

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



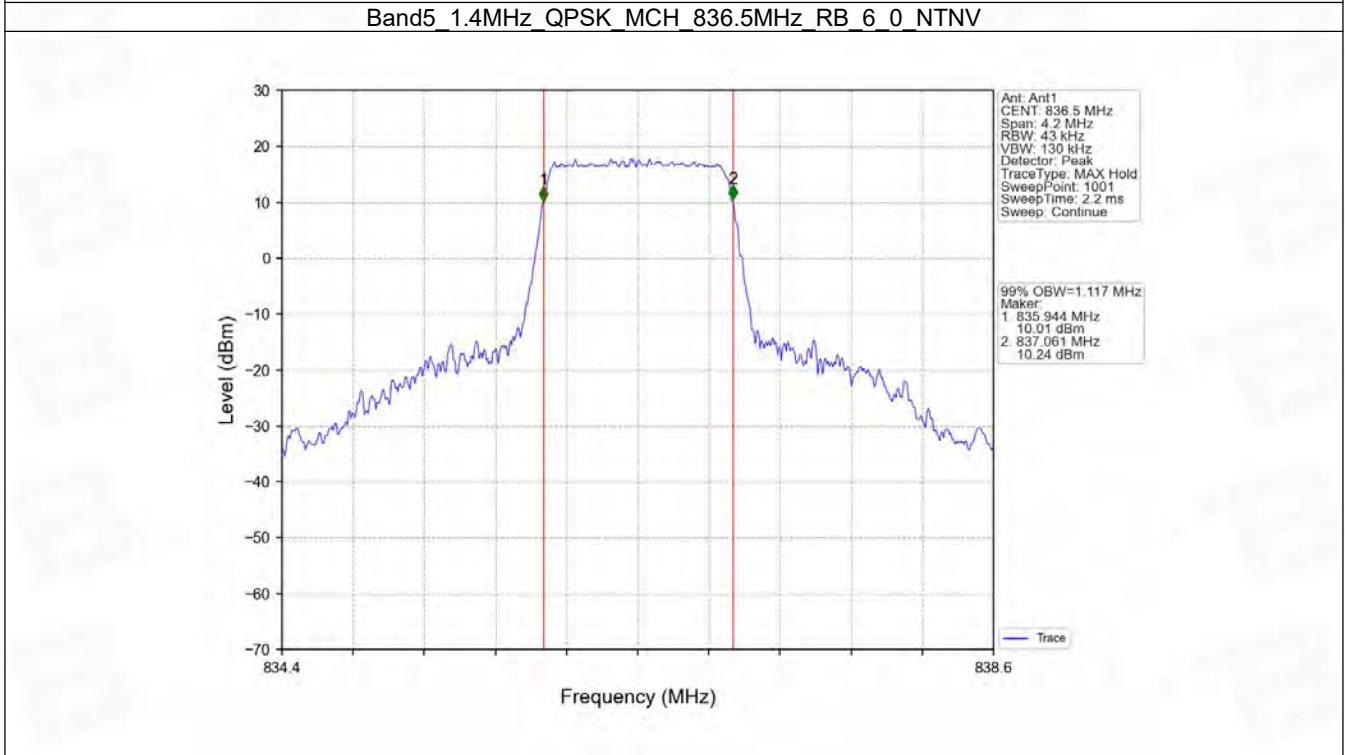
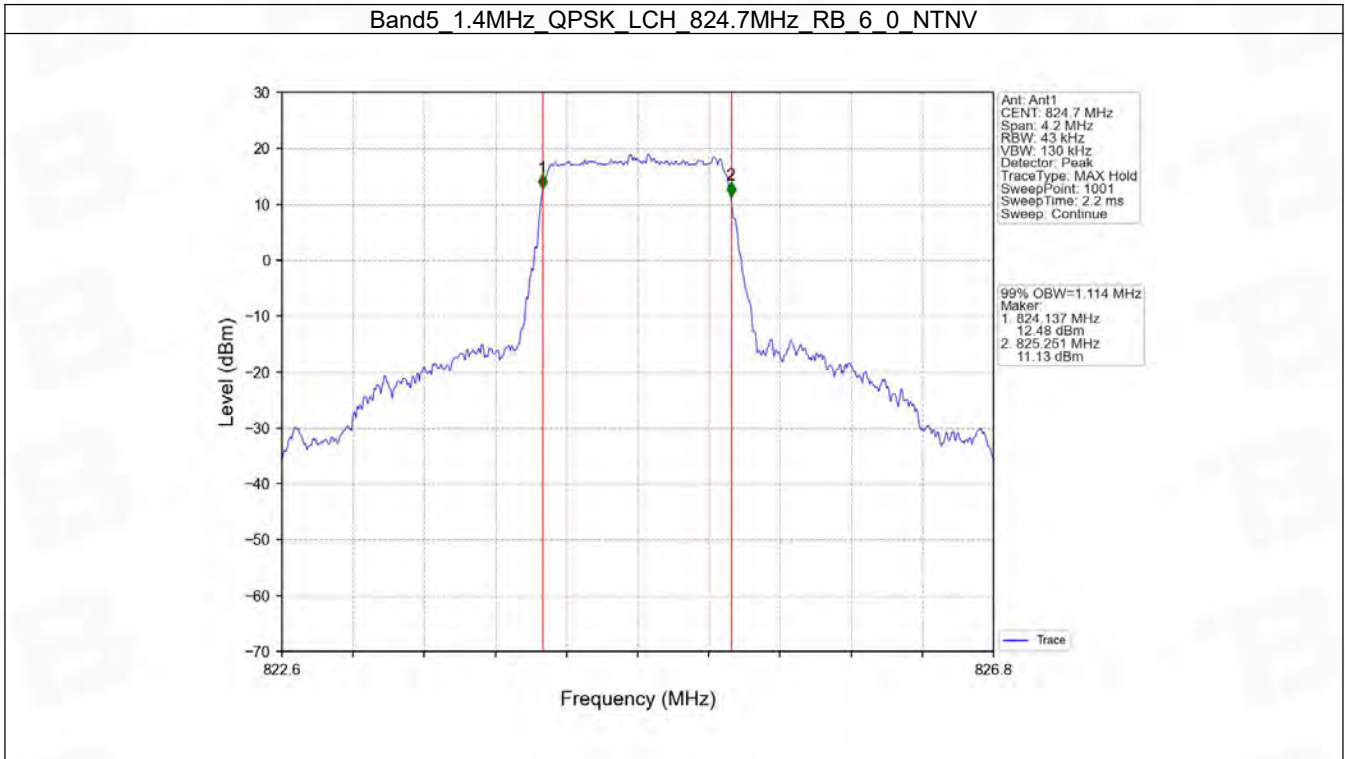
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

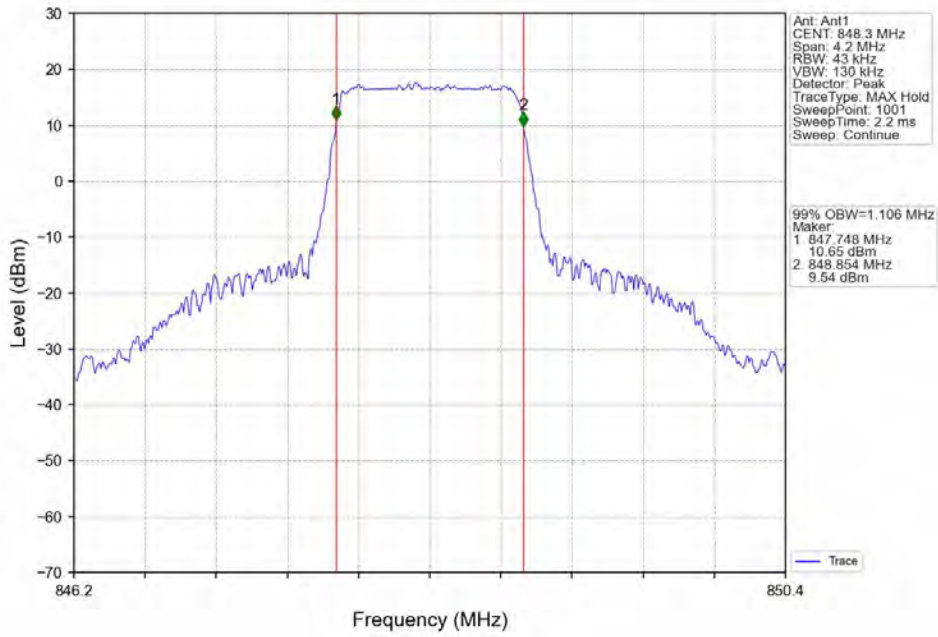
4.1.1 Test Result

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	1.114	/	Pass
		836.5	6	0	1.117	/	Pass
		848.3	6	0	1.106	/	Pass
	16QAM	824.7	6	0	1.111	/	Pass
		836.5	6	0	1.108	/	Pass
		848.3	6	0	1.120	/	Pass
3	QPSK	825.5	15	0	2.726	/	Pass
		836.5	15	0	2.723	/	Pass
		847.5	15	0	2.736	/	Pass
	16QAM	825.5	15	0	2.734	/	Pass
		836.5	15	0	2.728	/	Pass
		847.5	15	0	2.732	/	Pass
5	QPSK	826.5	25	0	4.556	/	Pass
		836.5	25	0	4.548	/	Pass
		846.5	25	0	4.555	/	Pass
	16QAM	826.5	25	0	4.550	/	Pass
		836.5	25	0	4.557	/	Pass
		846.5	25	0	4.535	/	Pass
10	QPSK	829	50	0	9.063	/	Pass
		836.5	50	0	9.031	/	Pass
		844	50	0	9.051	/	Pass
	16QAM	829	50	0	9.049	/	Pass
		836.5	50	0	9.034	/	Pass
		844	50	0	9.043	/	Pass

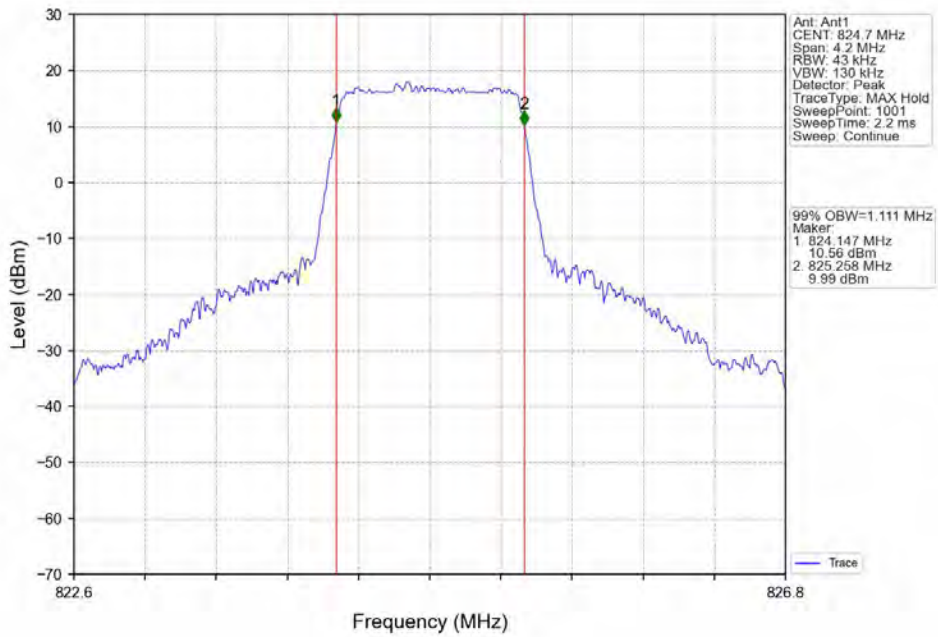
4.1.2 Test Graph



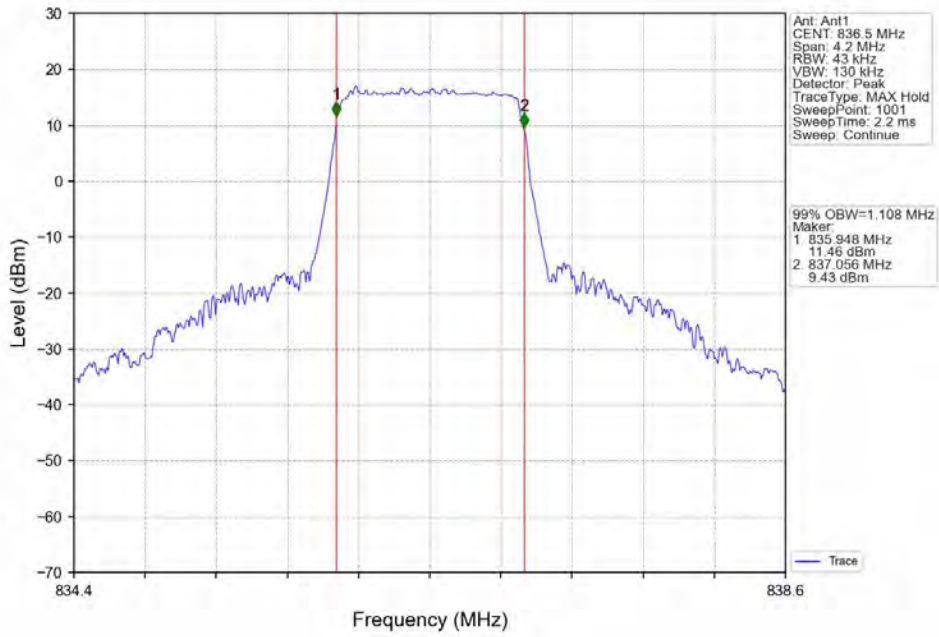
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



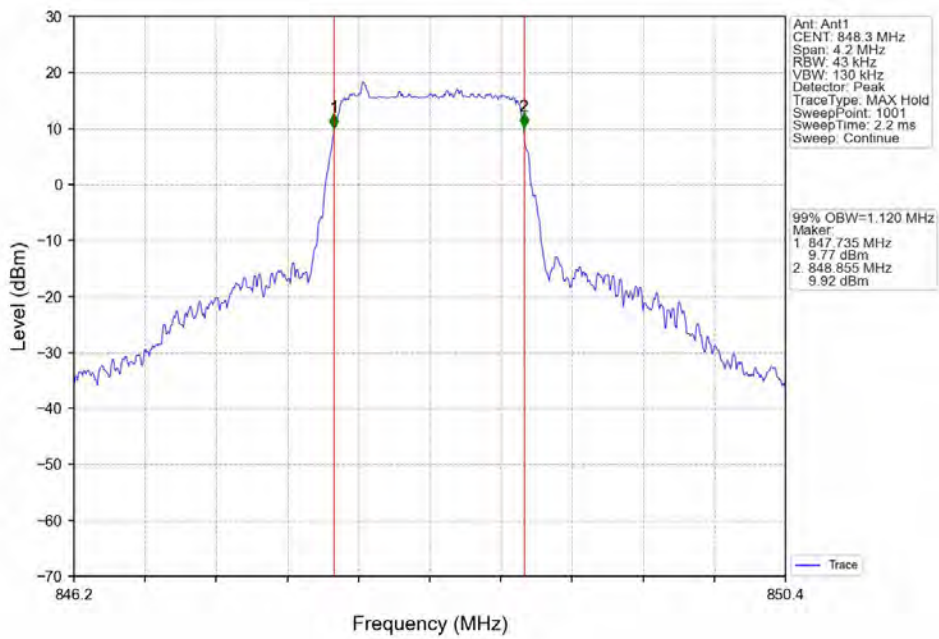
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



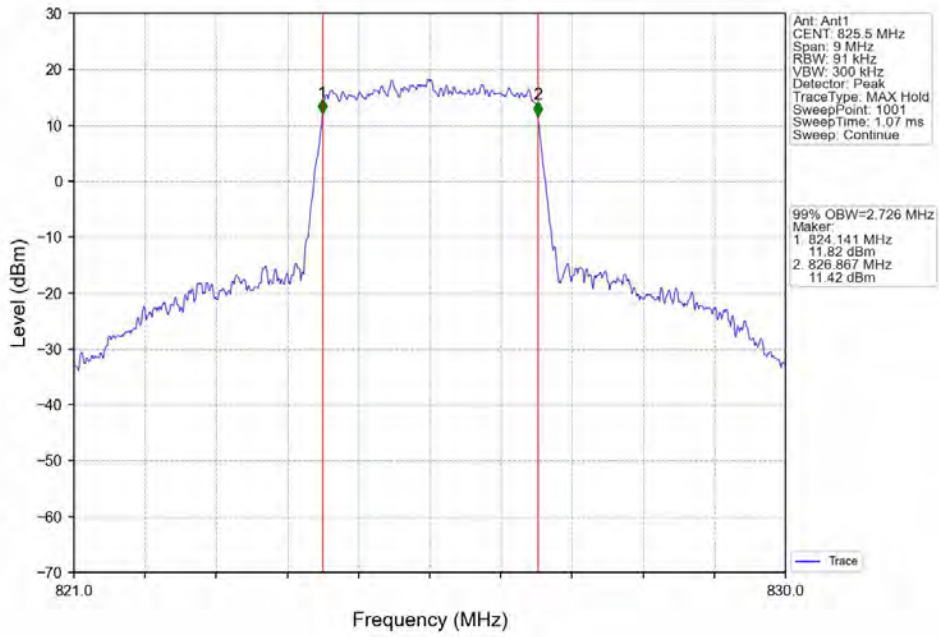
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



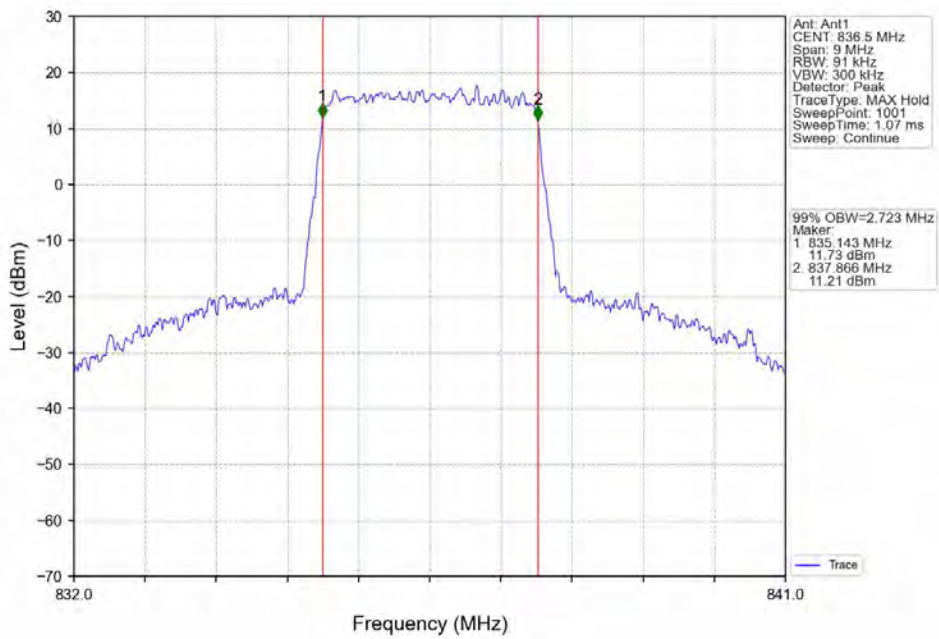
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



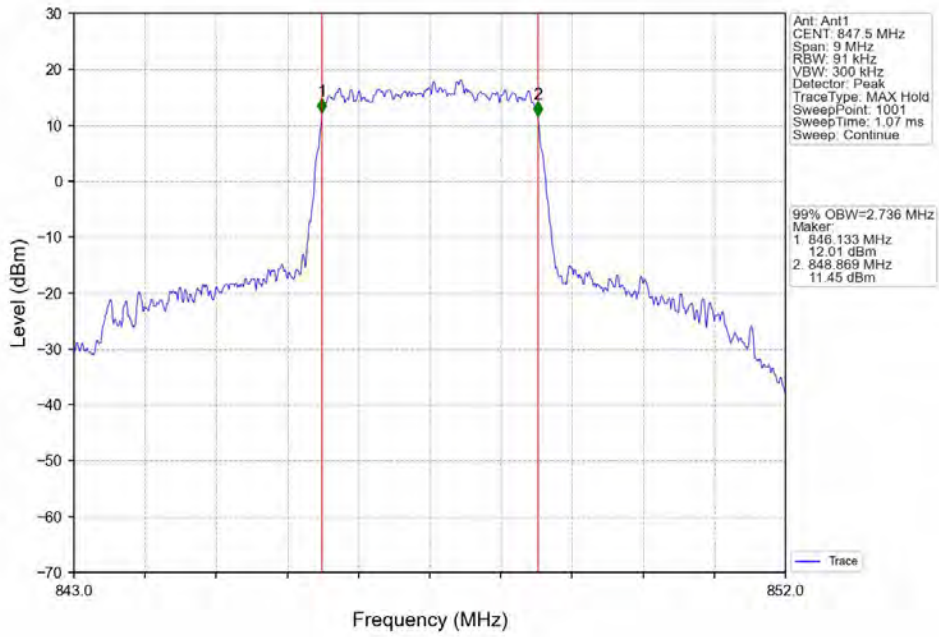
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



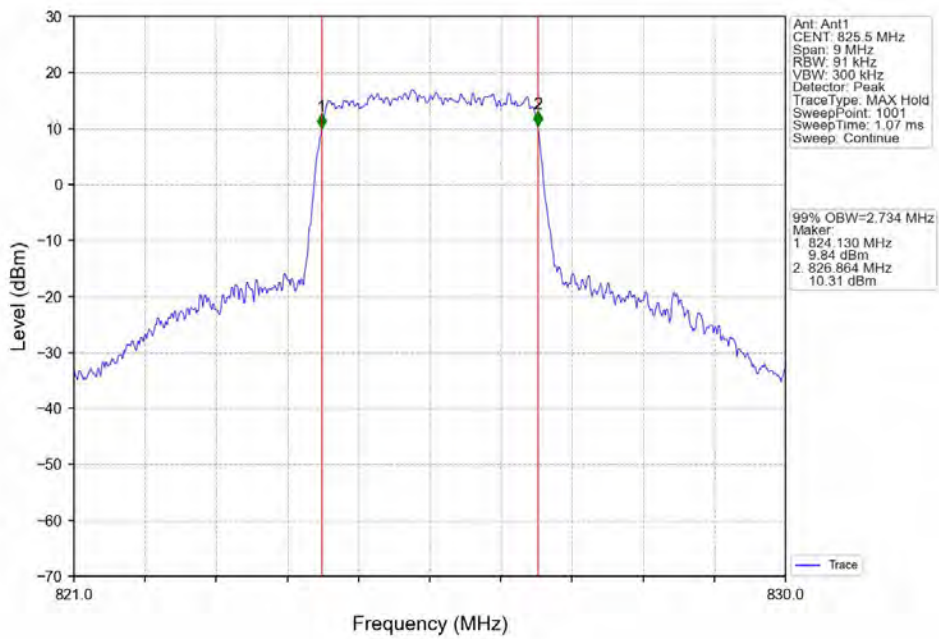
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



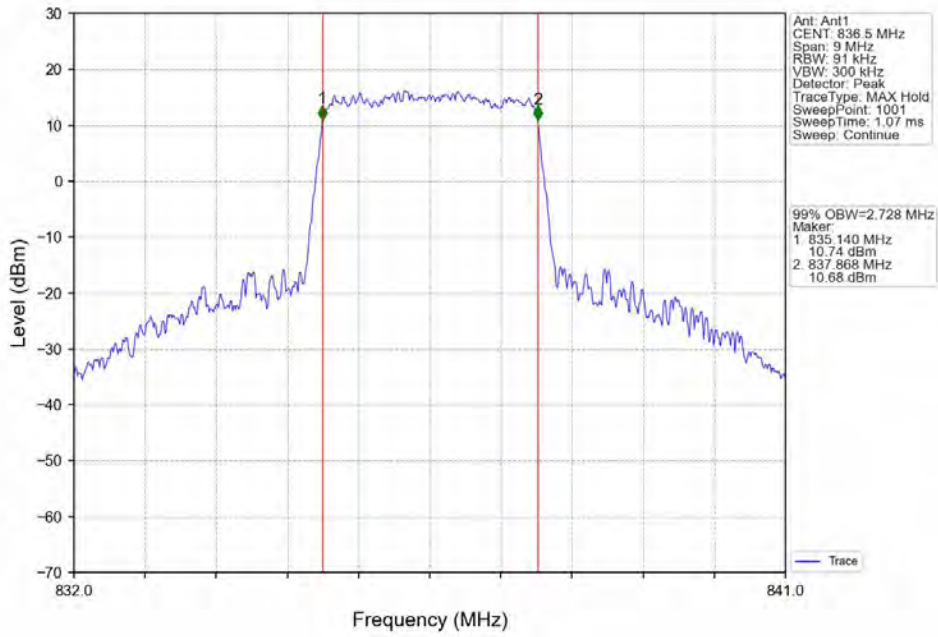
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



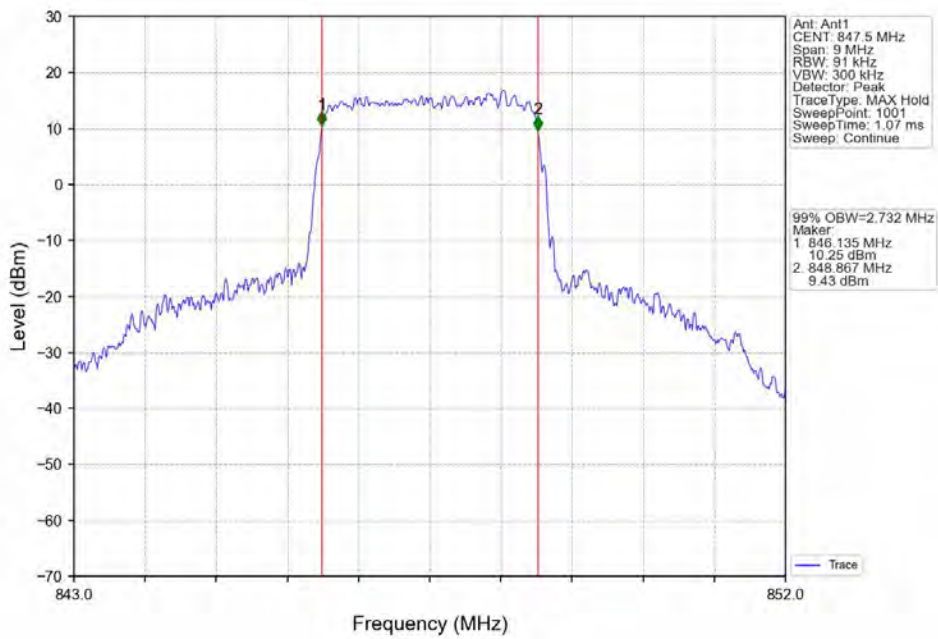
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



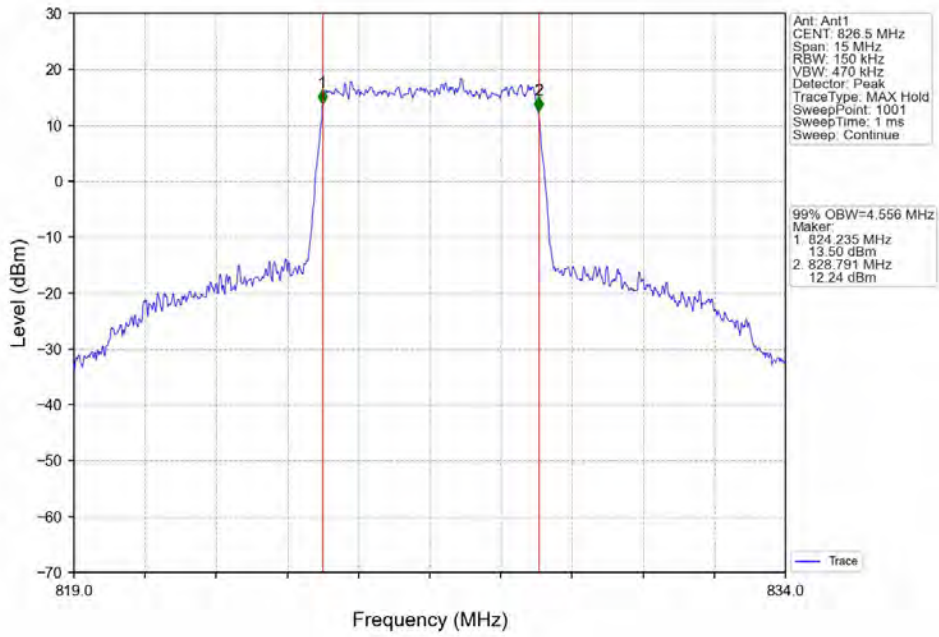
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



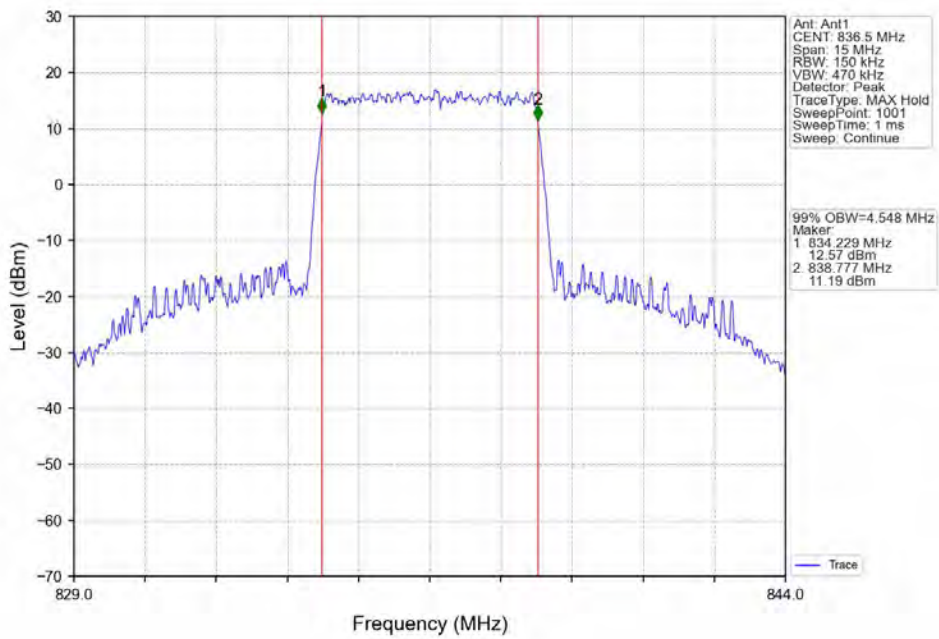
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



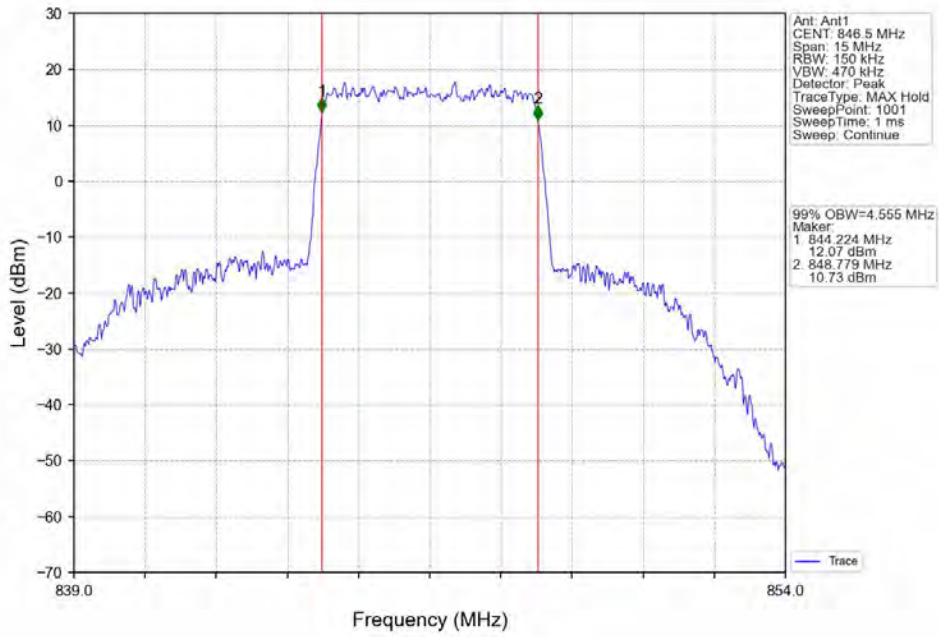
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



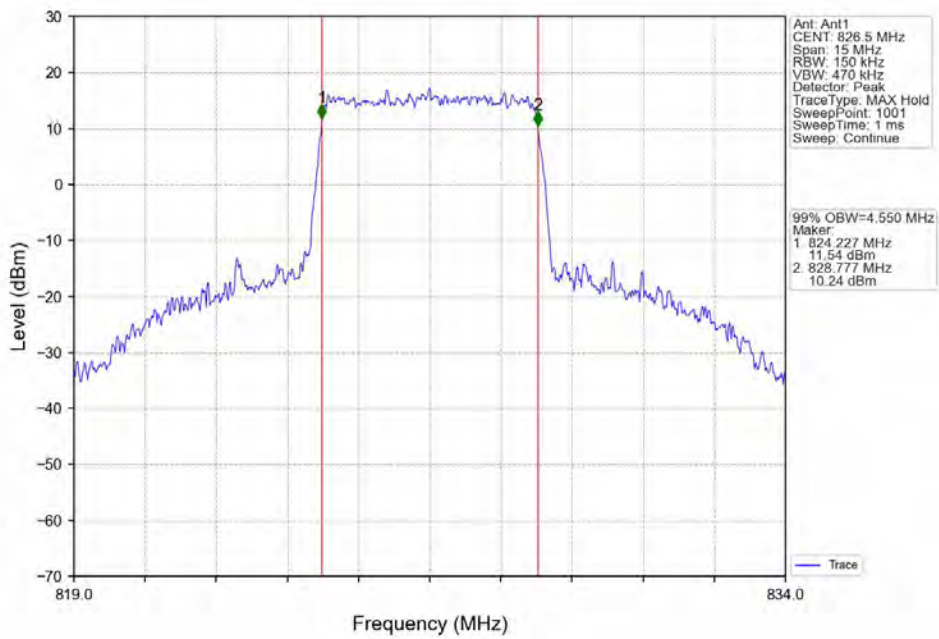
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



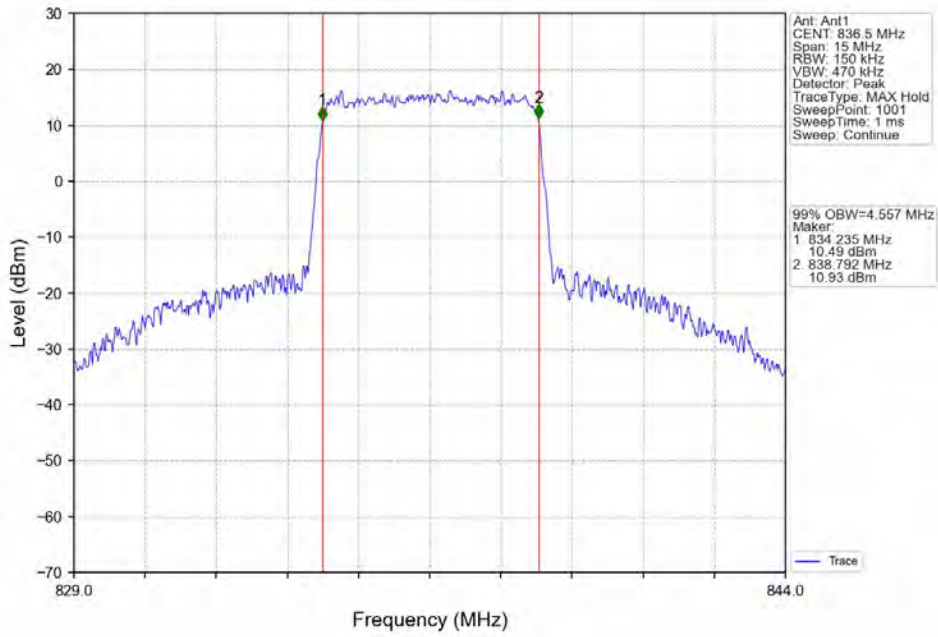
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



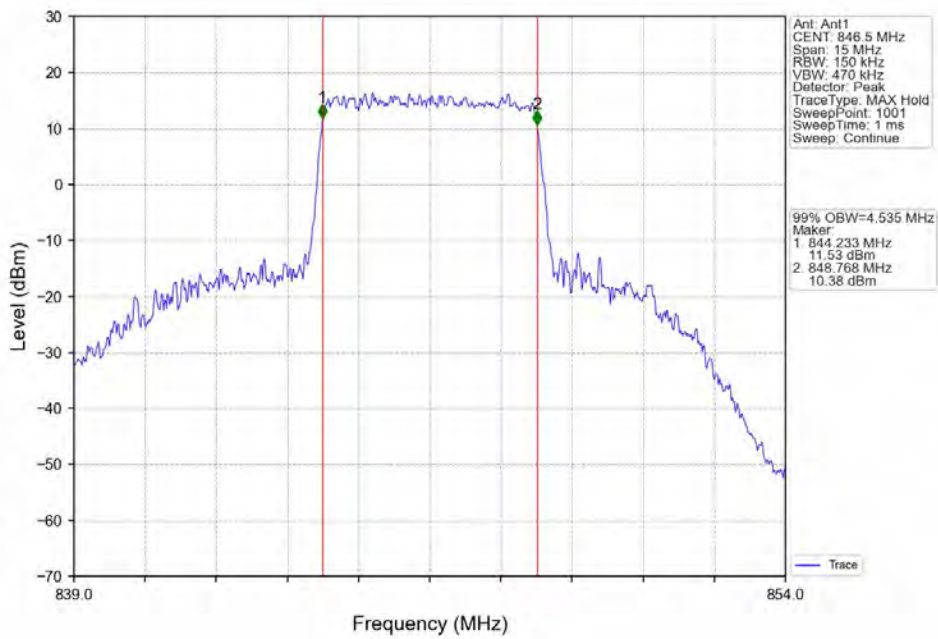
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



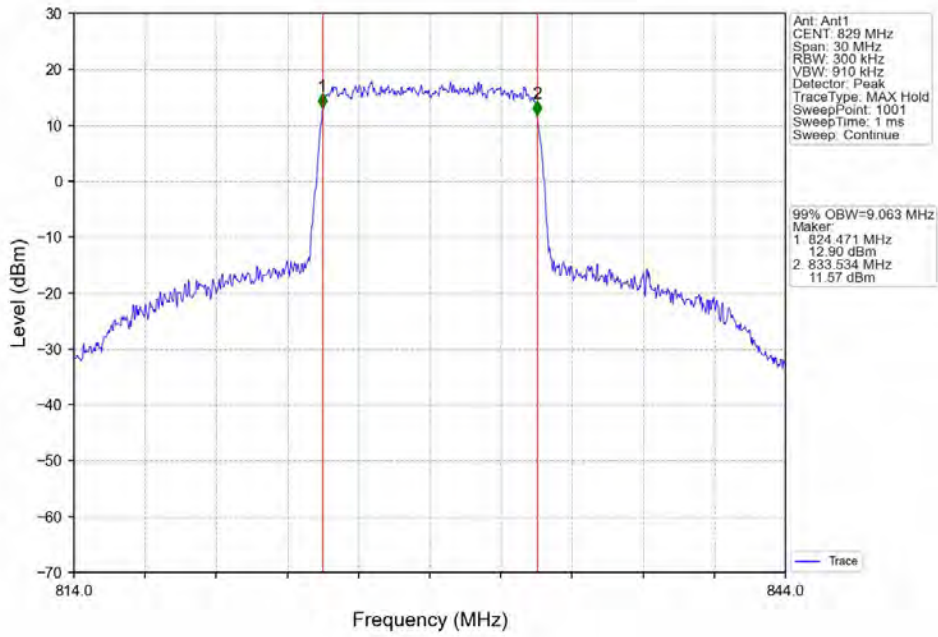
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



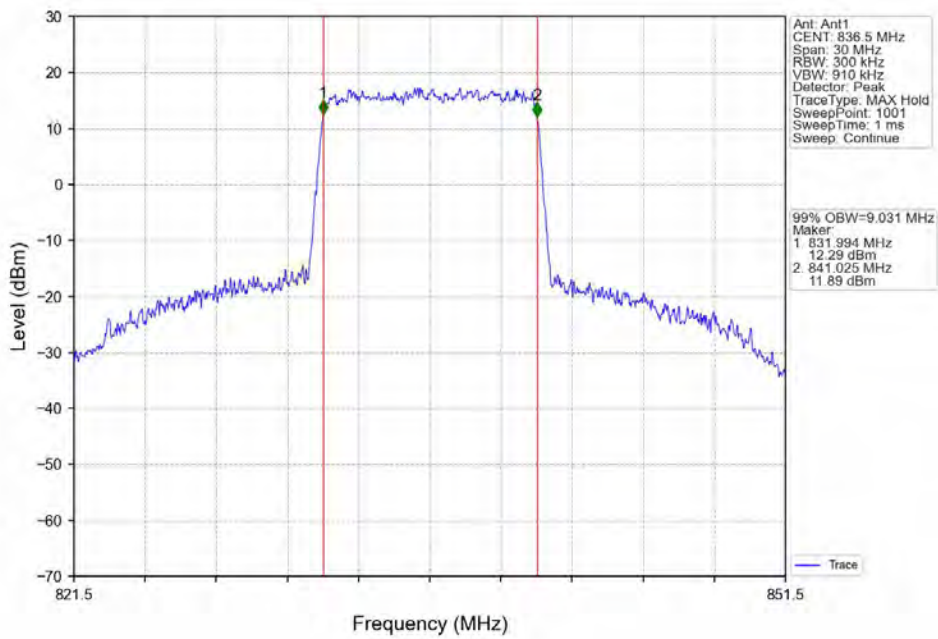
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



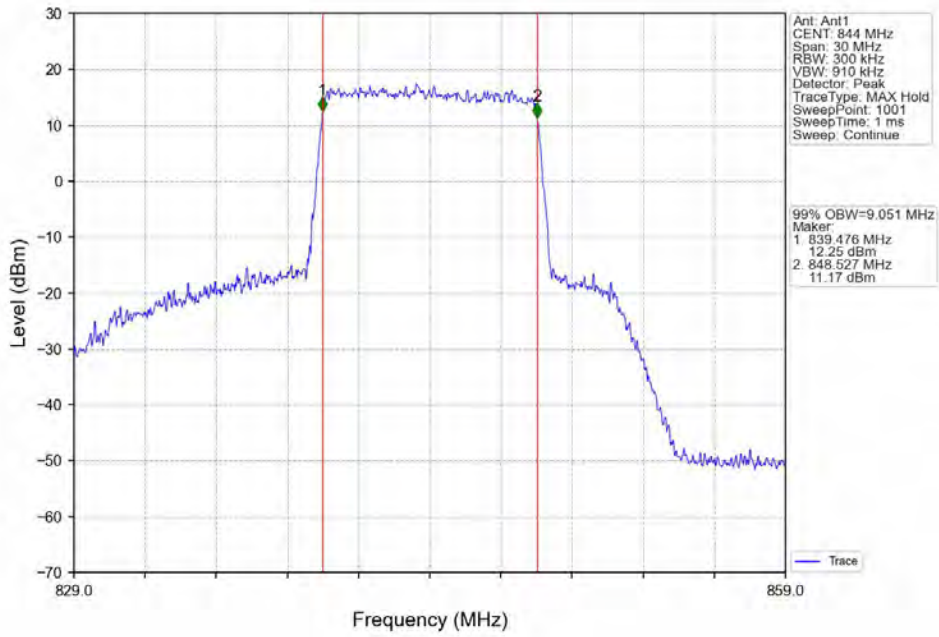
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



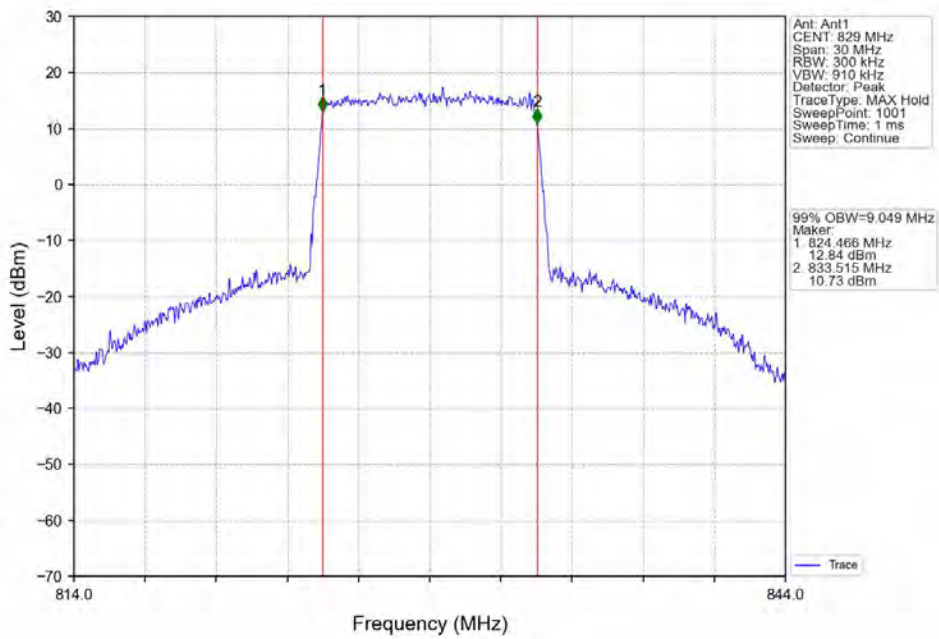
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



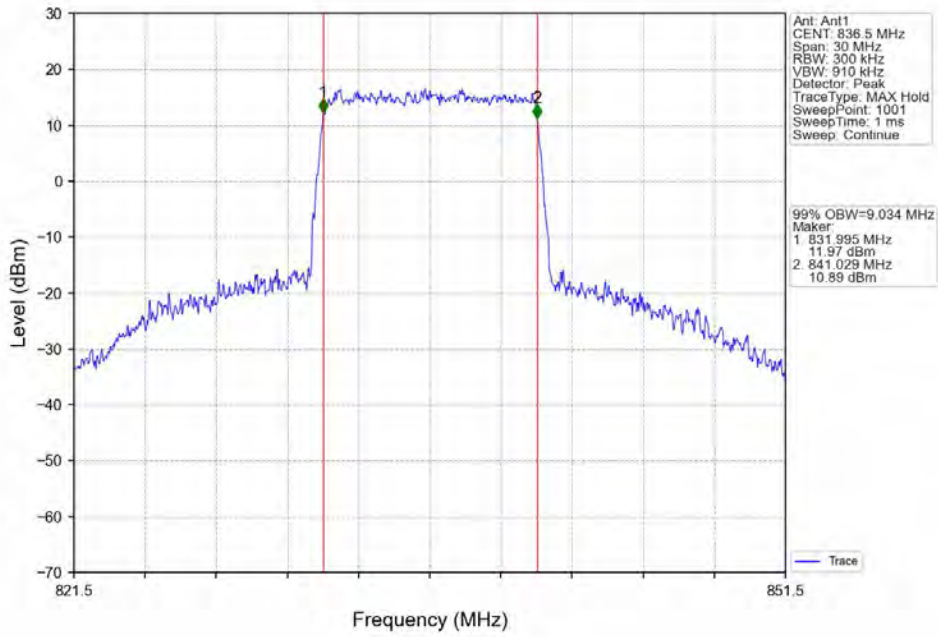
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



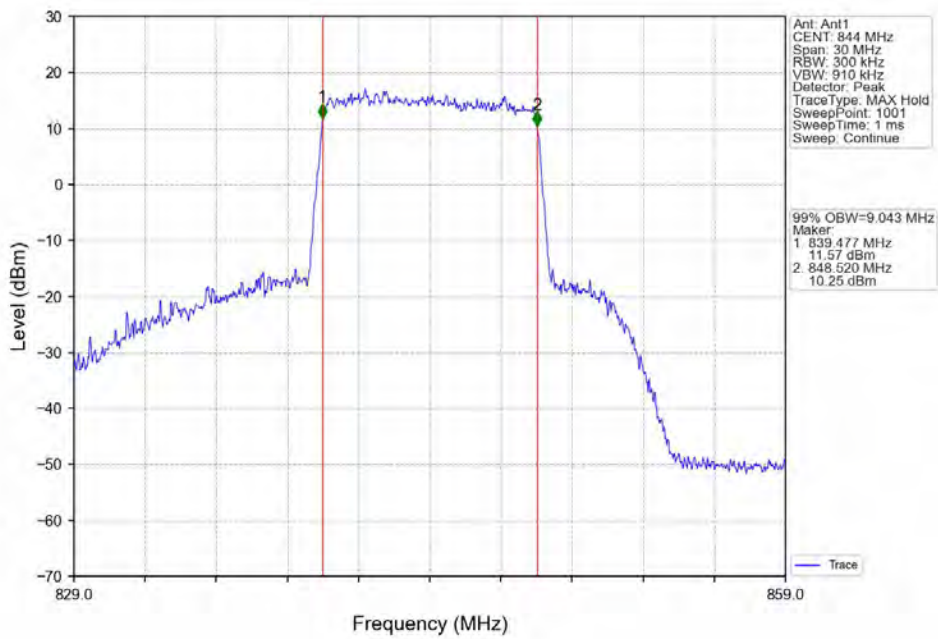
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

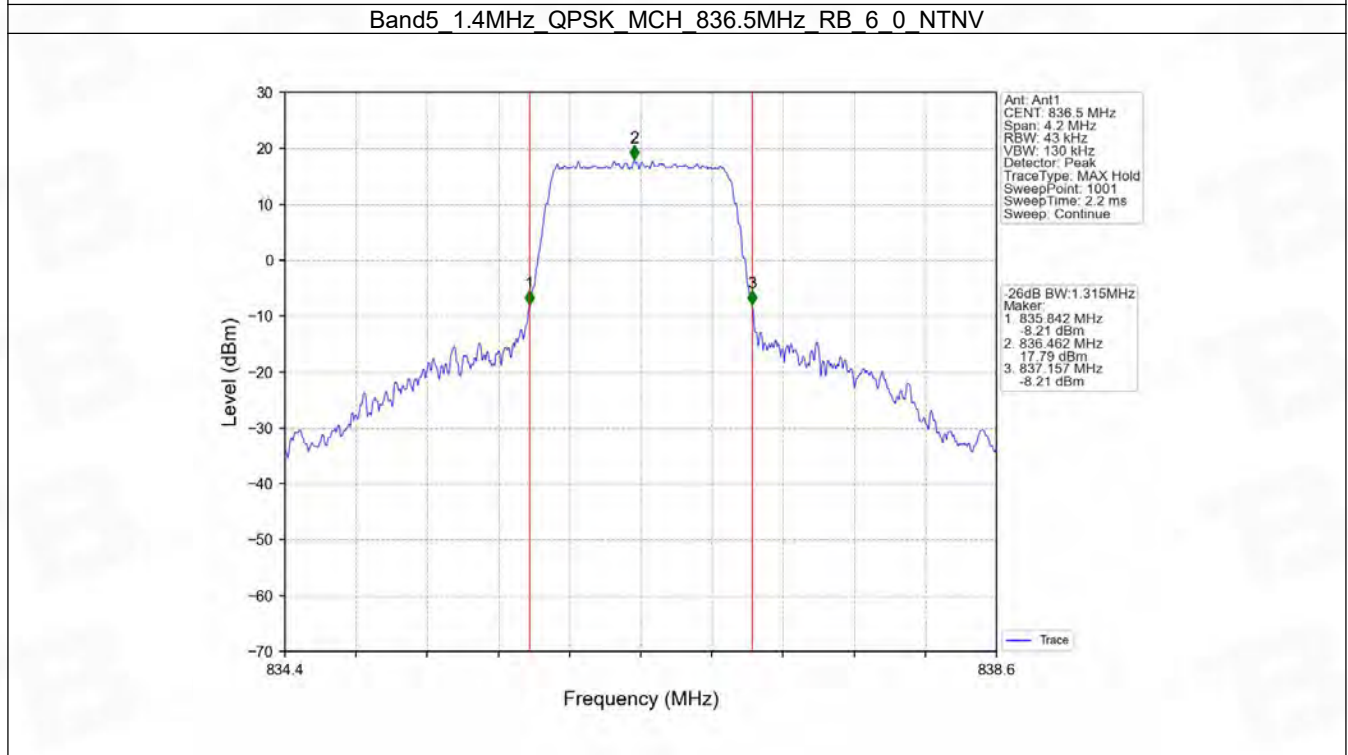
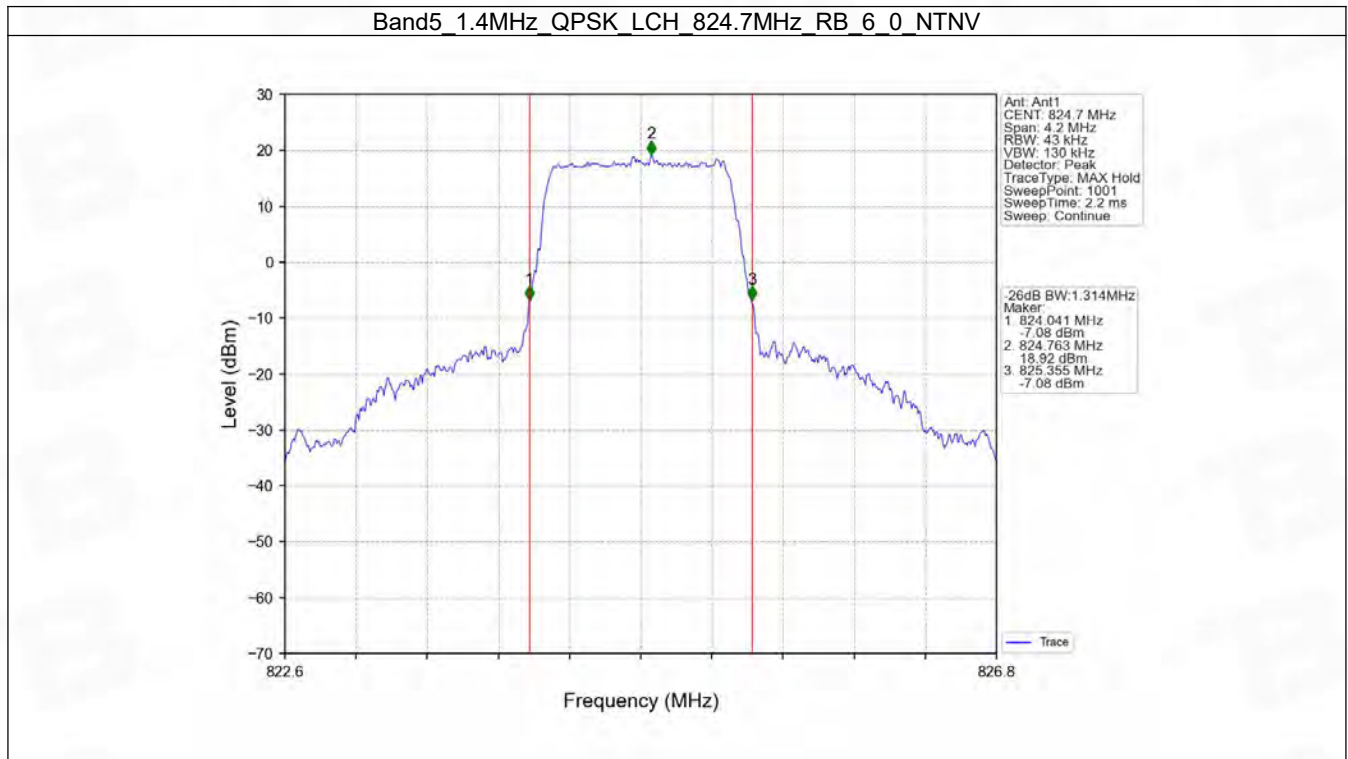


4.2 Band5_XDB

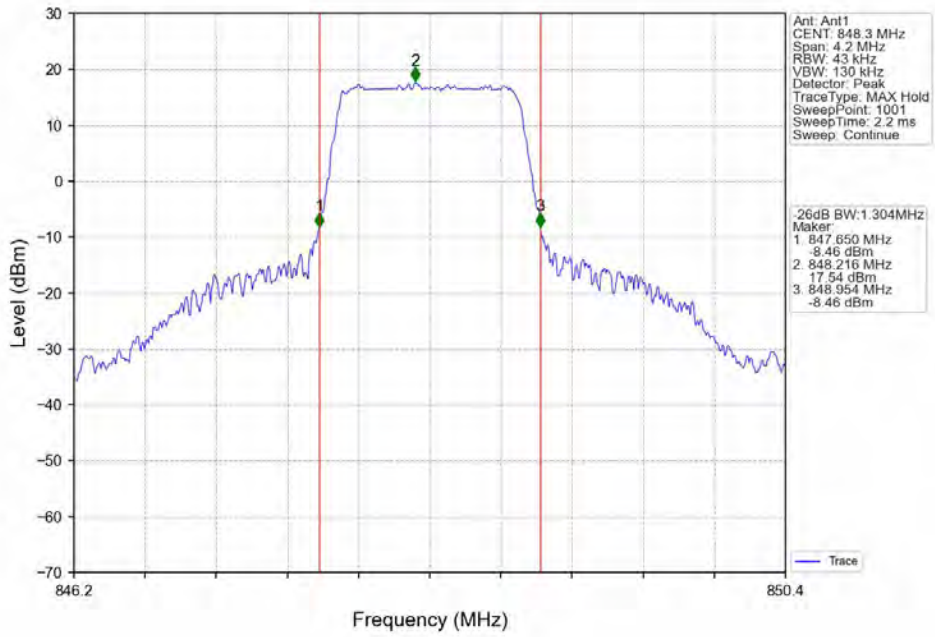
4.2.1 Test Result

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	1.314	/	Pass
		836.5	6	0	1.315	/	Pass
		848.3	6	0	1.304	/	Pass
	16QAM	824.7	6	0	1.307	/	Pass
		836.5	6	0	1.291	/	Pass
		848.3	6	0	1.311	/	Pass
3	QPSK	825.5	15	0	3.042	/	Pass
		836.5	15	0	3.059	/	Pass
		847.5	15	0	3.057	/	Pass
	16QAM	825.5	15	0	3.064	/	Pass
		836.5	15	0	3.047	/	Pass
		847.5	15	0	3.035	/	Pass
5	QPSK	826.5	25	0	4.991	/	Pass
		836.5	25	0	5.005	/	Pass
		846.5	25	0	5.000	/	Pass
	16QAM	826.5	25	0	5.017	/	Pass
		836.5	25	0	5.014	/	Pass
		846.5	25	0	4.994	/	Pass
10	QPSK	829	50	0	9.937	/	Pass
		836.5	50	0	9.890	/	Pass
		844	50	0	9.969	/	Pass
	16QAM	829	50	0	9.895	/	Pass
		836.5	50	0	9.942	/	Pass
		844	50	0	9.861	/	Pass

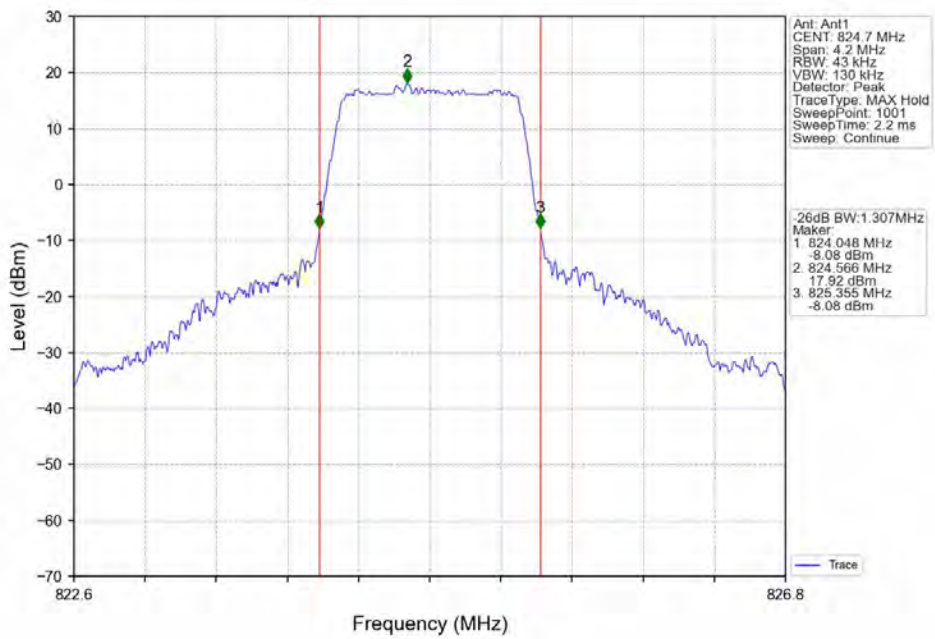
4.2.2 Test Graph



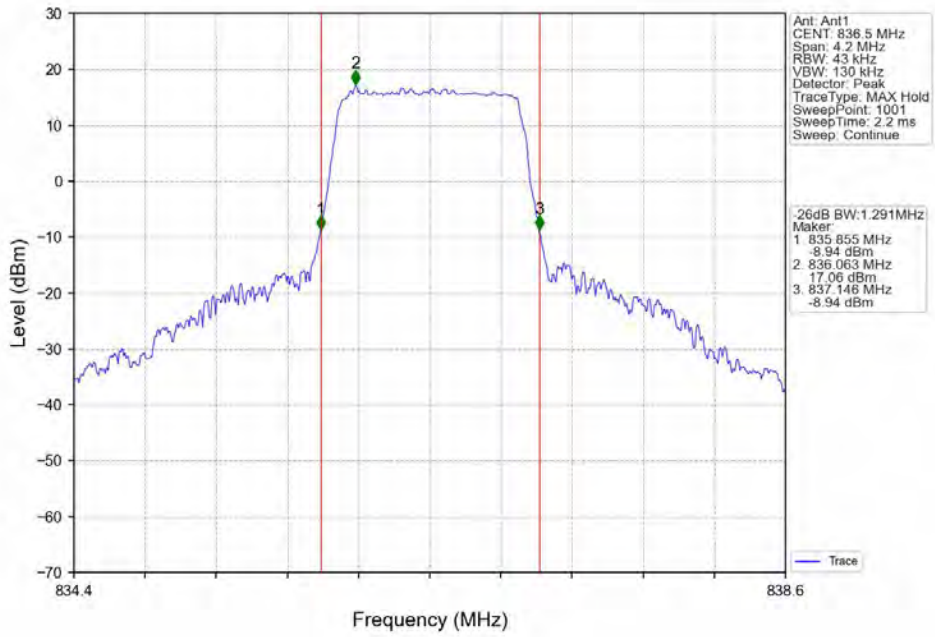
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



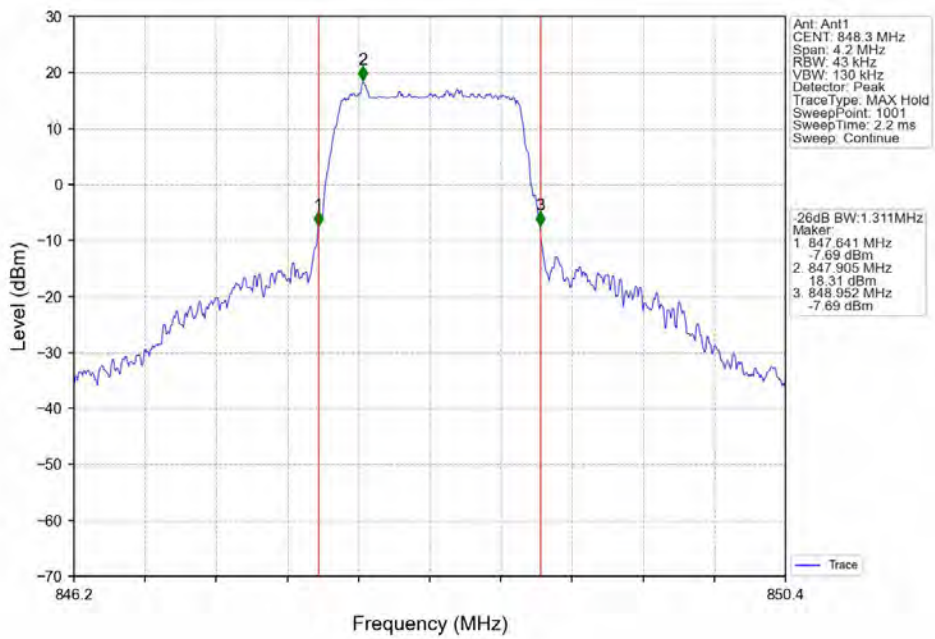
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



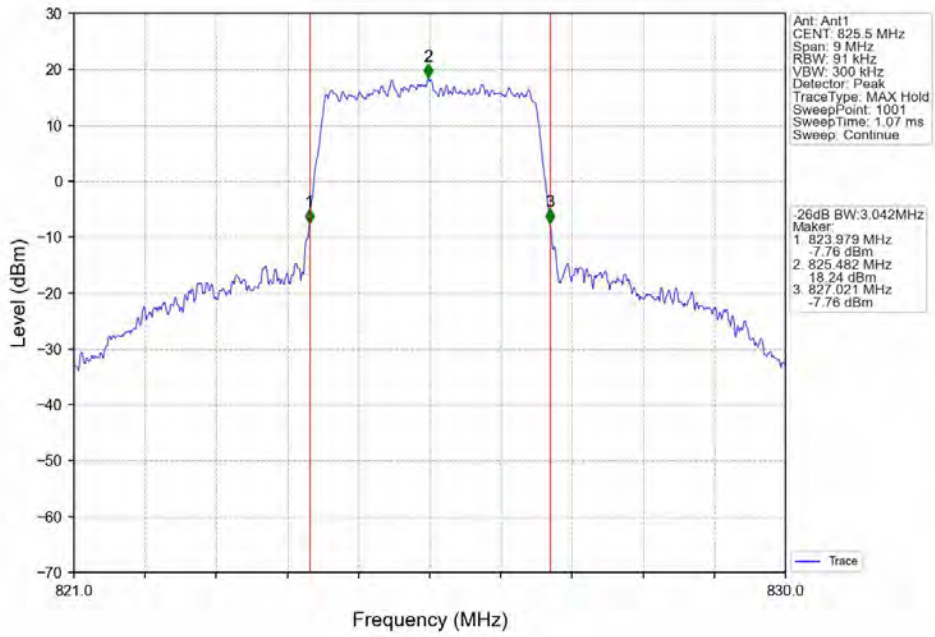
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



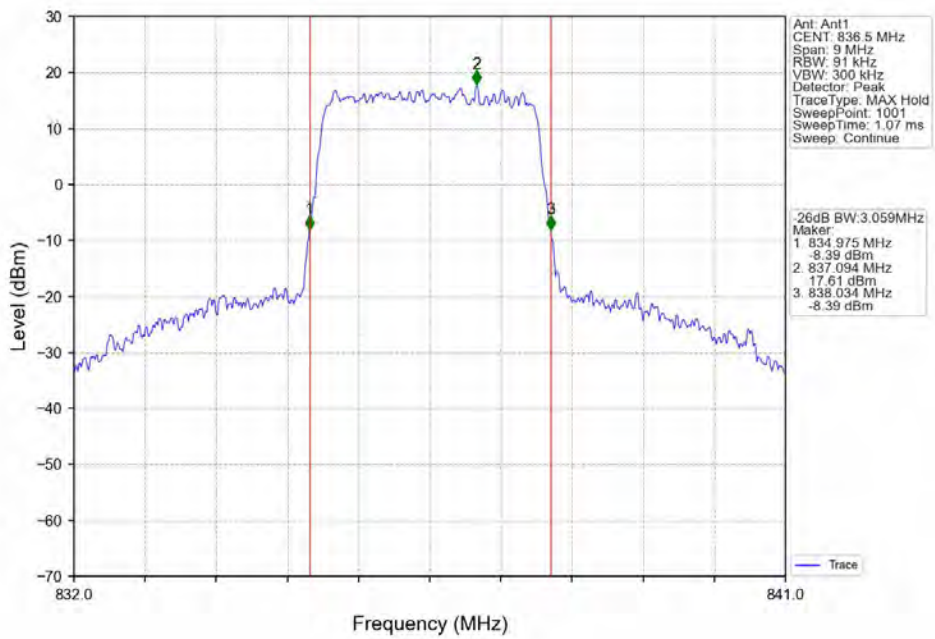
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



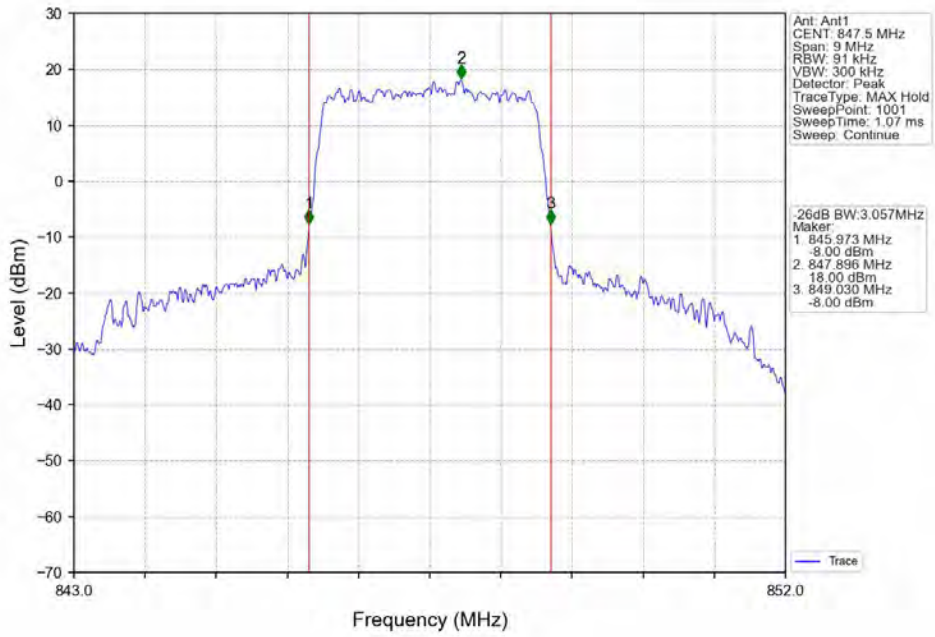
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



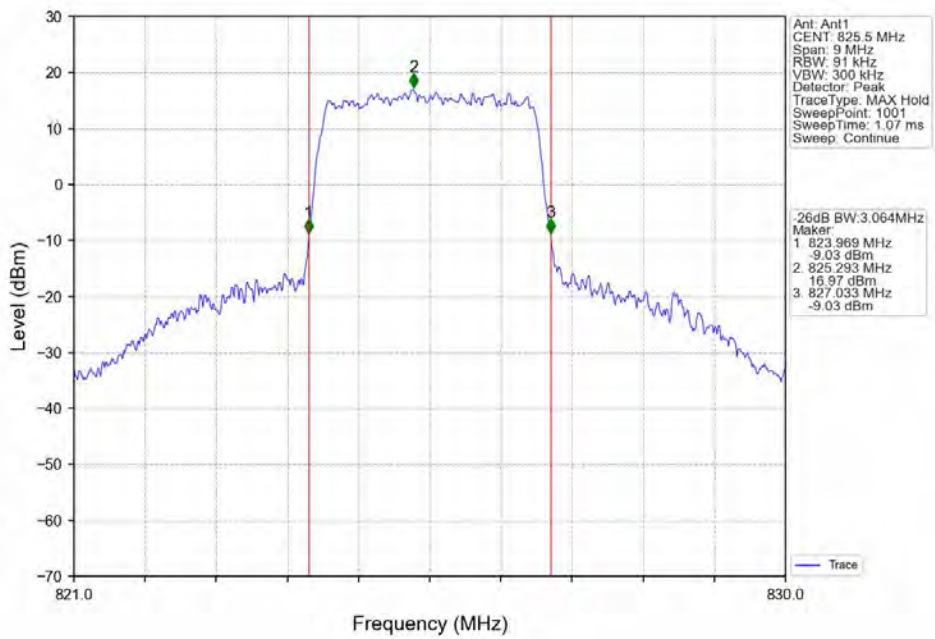
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



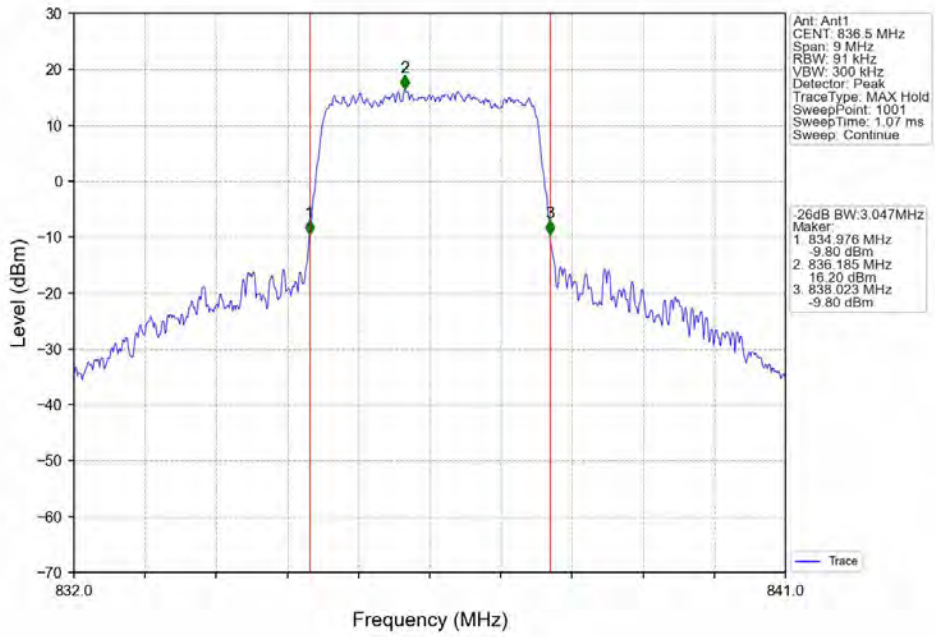
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



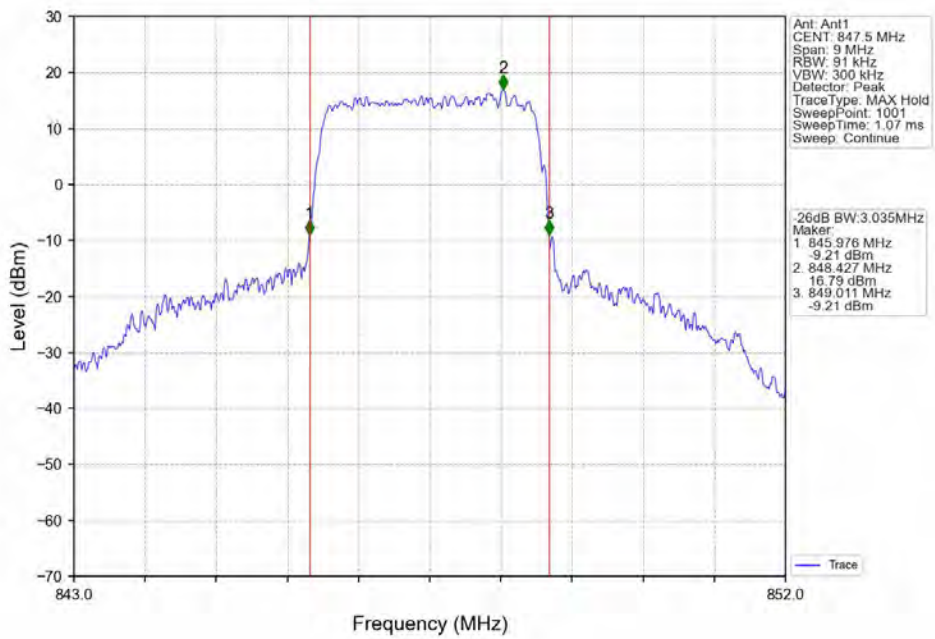
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



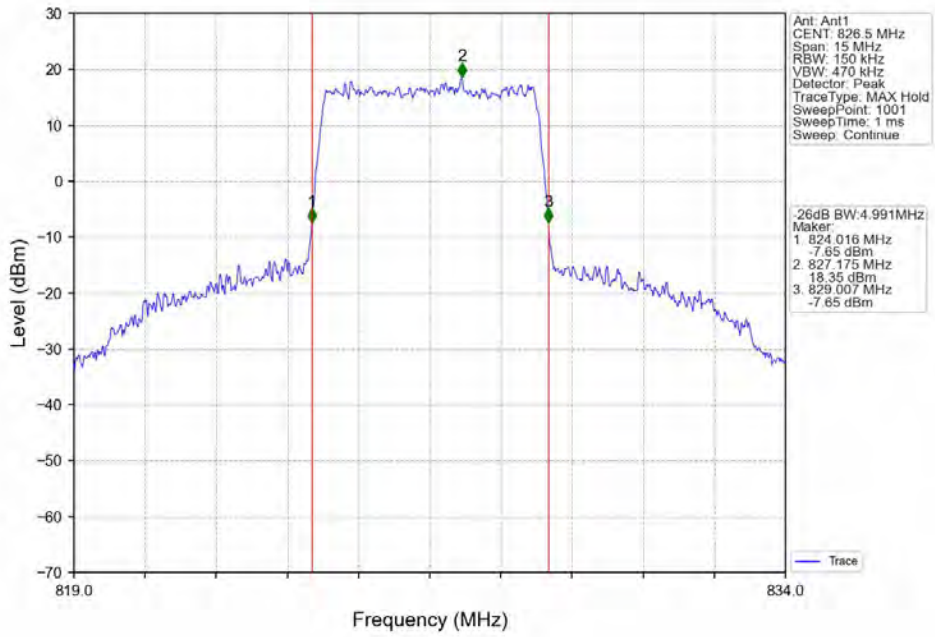
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



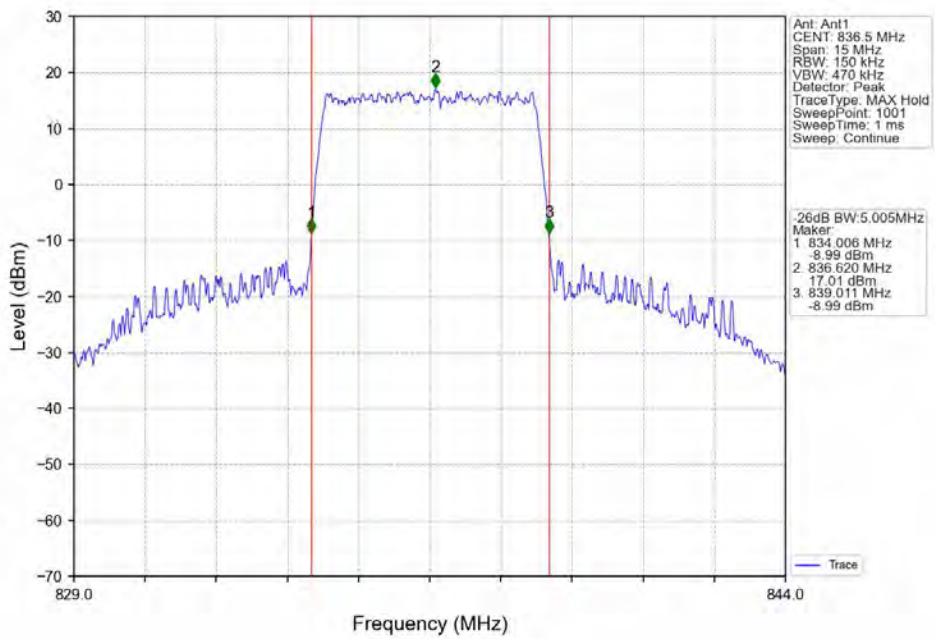
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



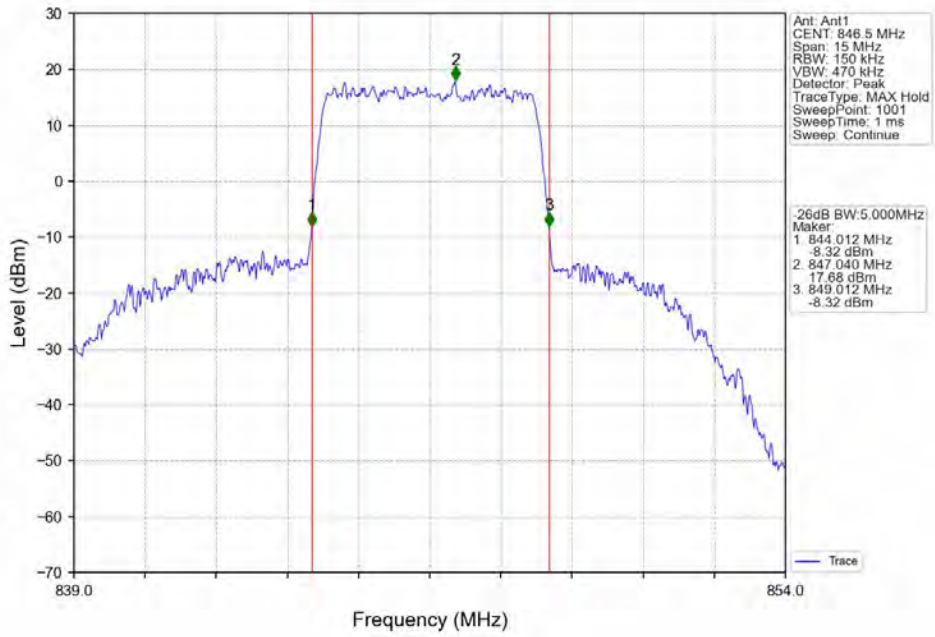
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



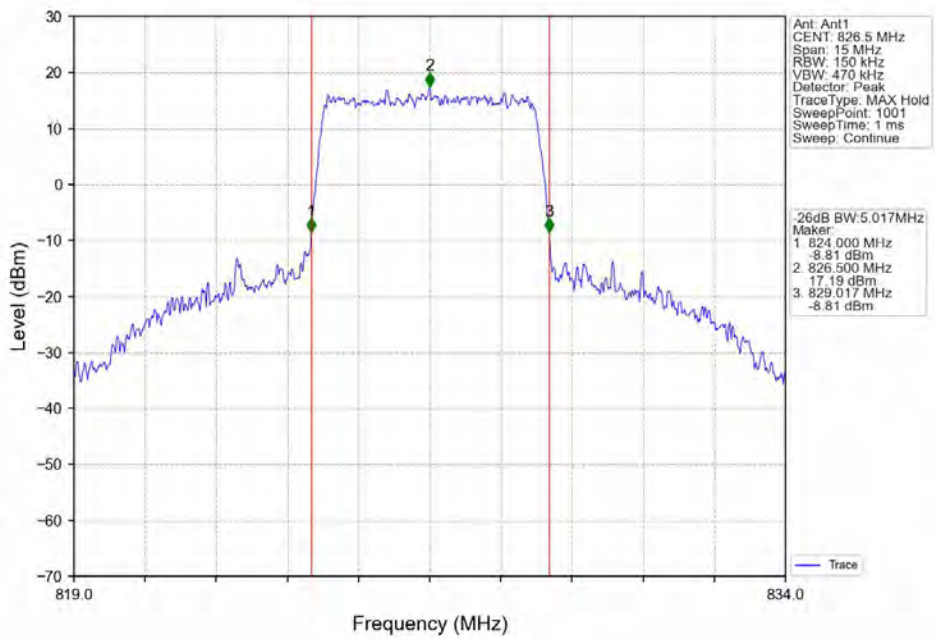
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



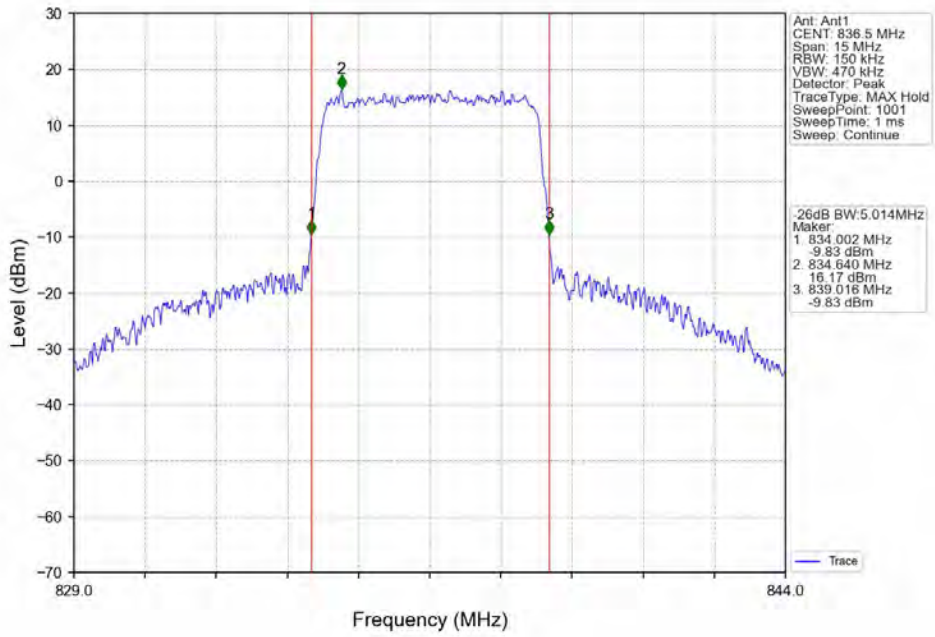
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



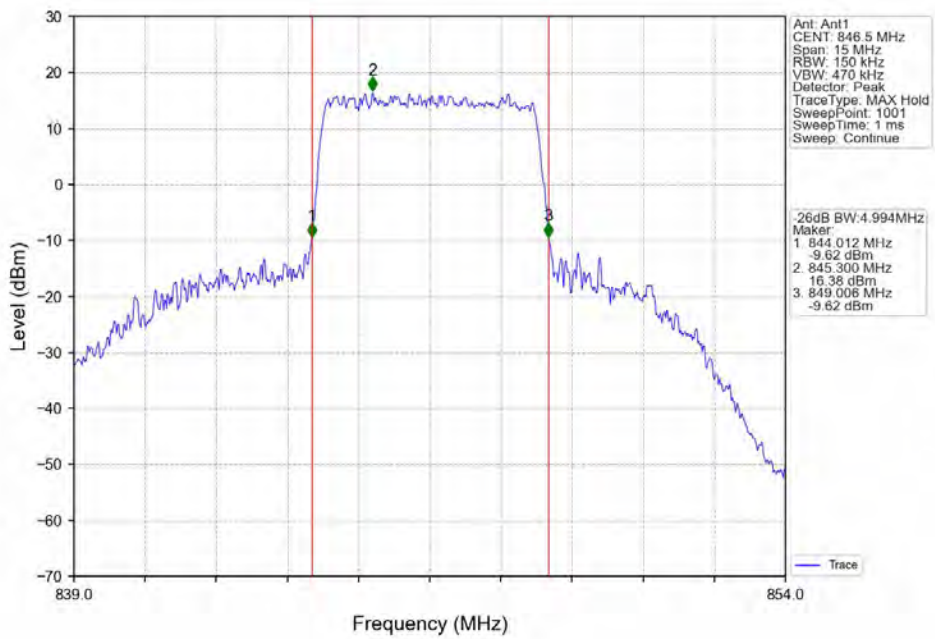
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



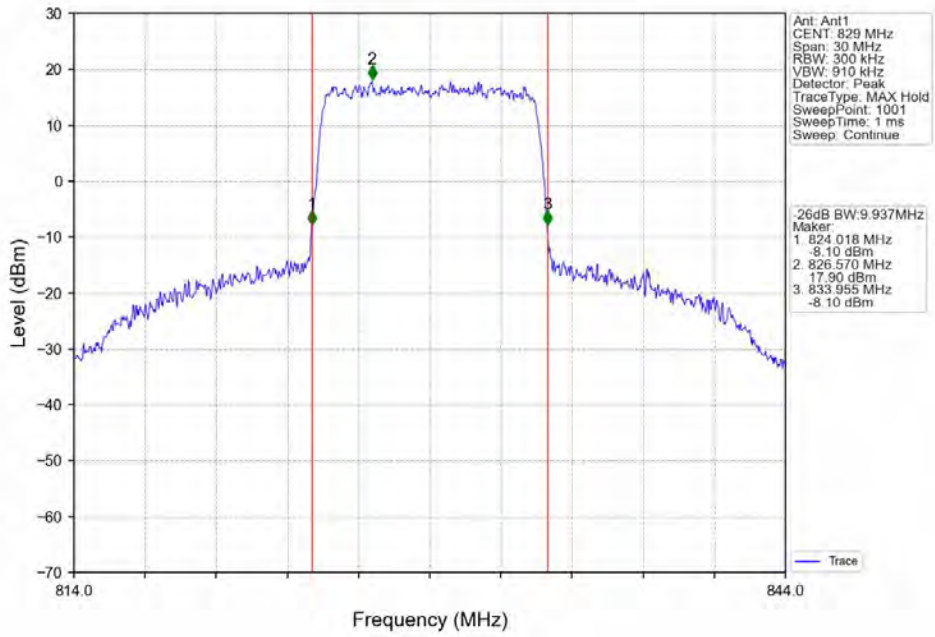
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



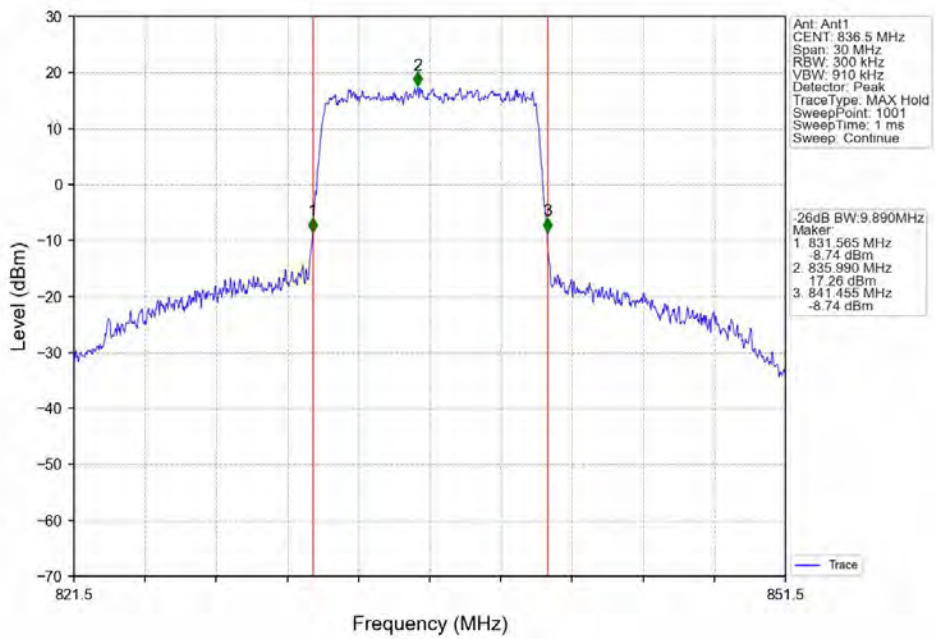
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



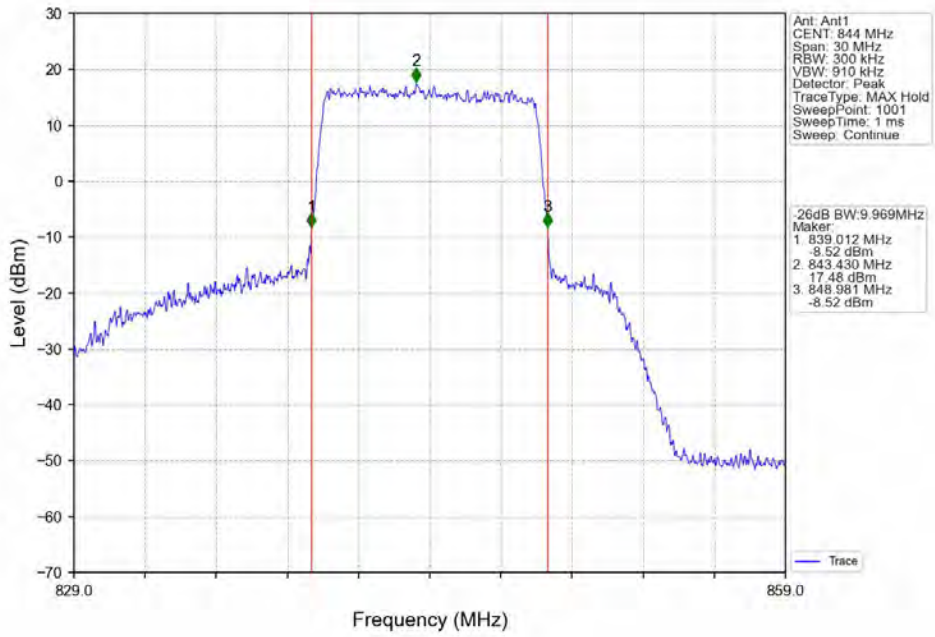
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



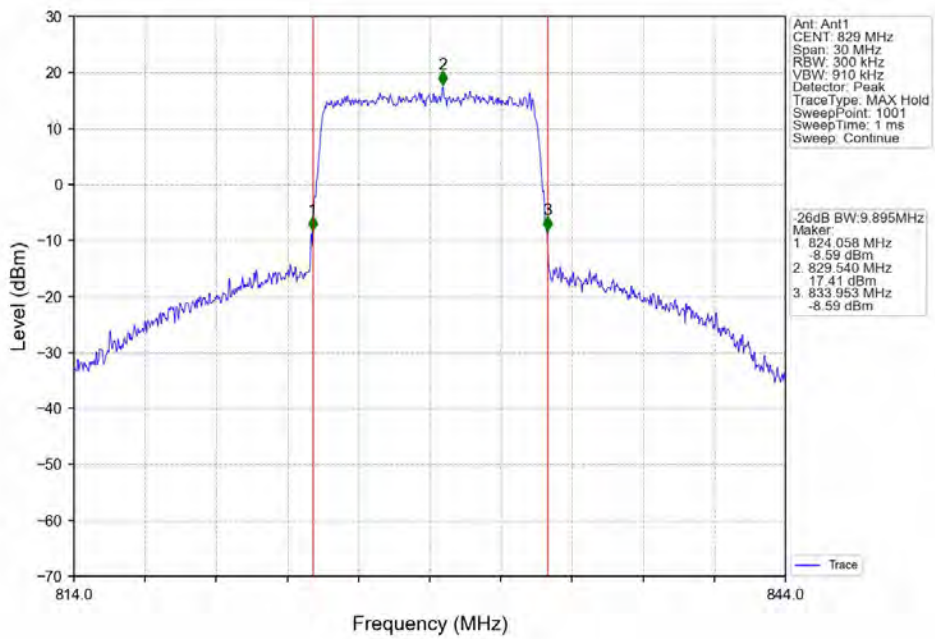
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



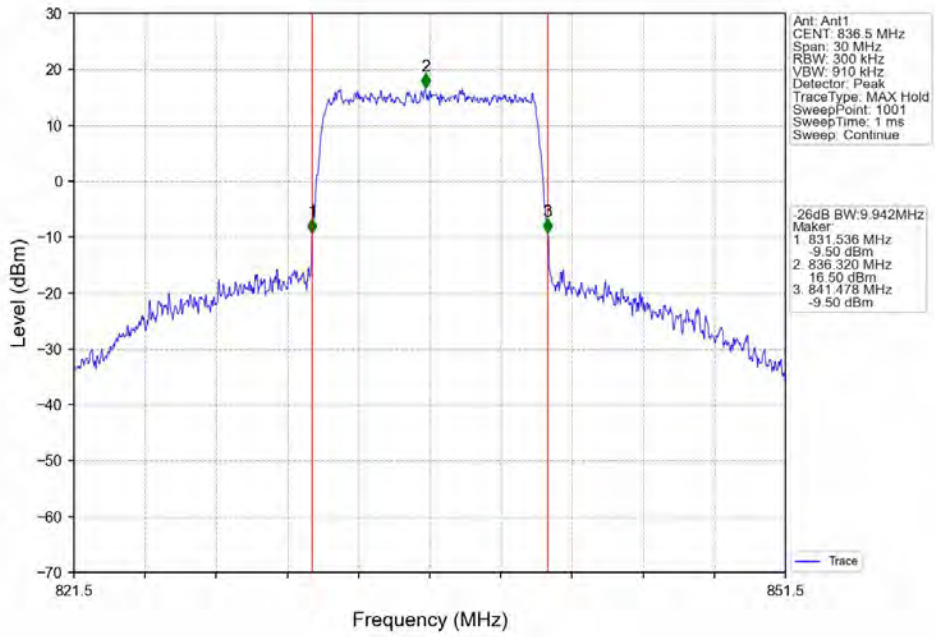
Band5_10MHz QPSK HCH 844MHz RB 50 0 NTN



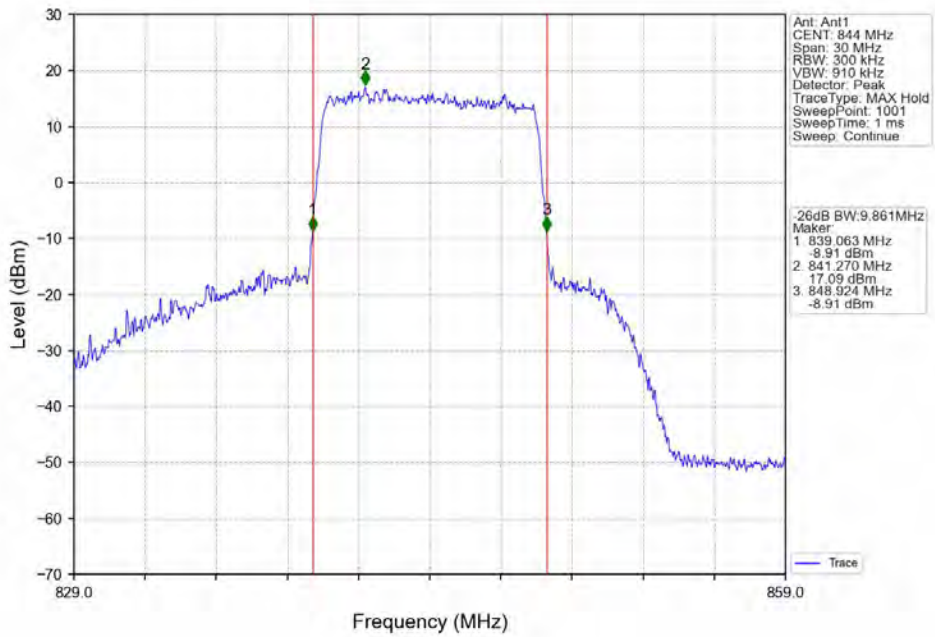
Band5_10MHz 16QAM LCH 829MHz RB 50 0 NTN



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



5. Peak-Average Ratio

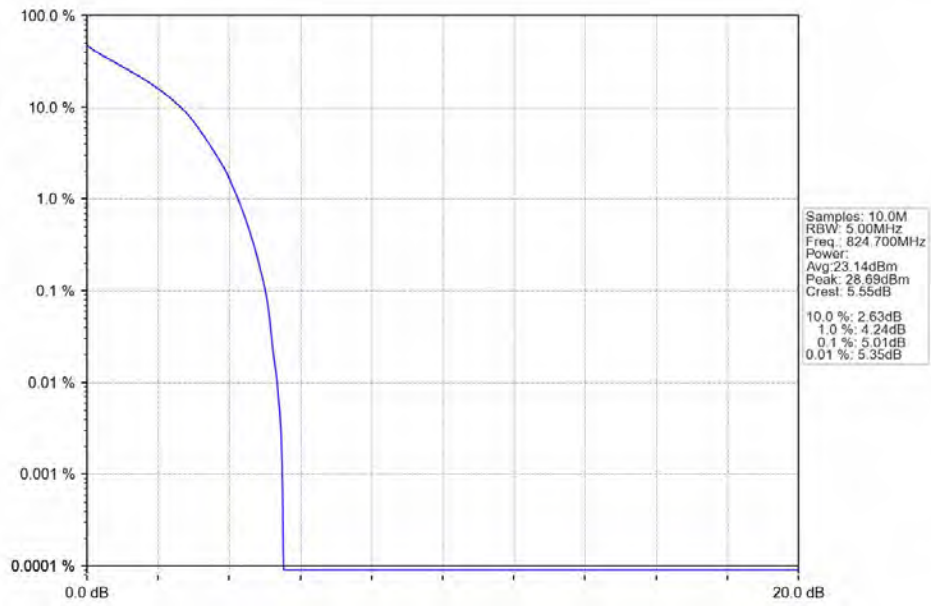
5.1 B5_1.4MHz

5.1.1 Test Result

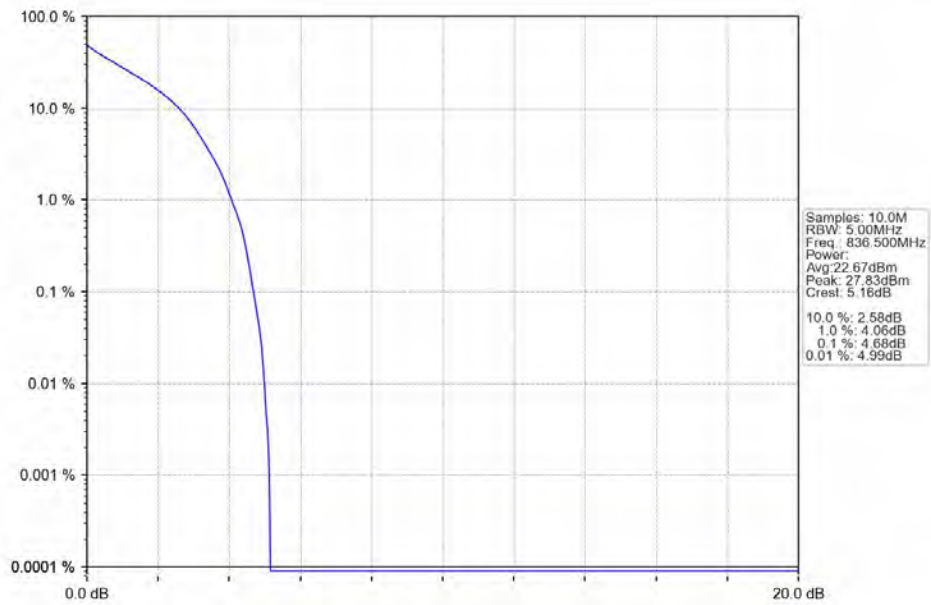
Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.01	<=13	Pass
	836.5	6	0	4.68	<=13	Pass
	848.3	6	0	4.63	<=13	Pass
16QAM	824.7	6	0	5.80	<=13	Pass
	836.5	6	0	5.54	<=13	Pass
	848.3	6	0	5.42	<=13	Pass

5.1.2 Test Graph

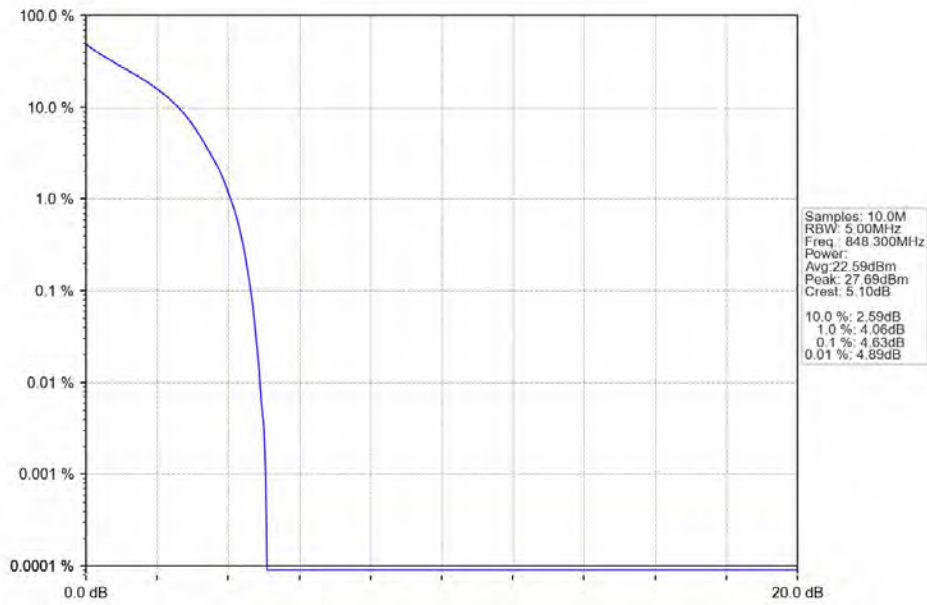
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



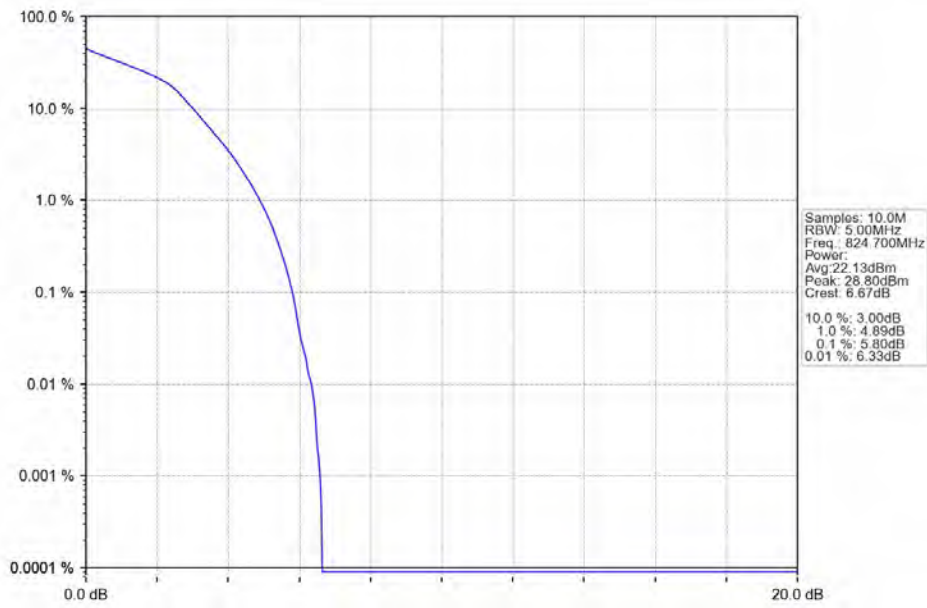
Band5 1.4MHz QPSK MCH 836.5MHz RB 6 0 NTNV



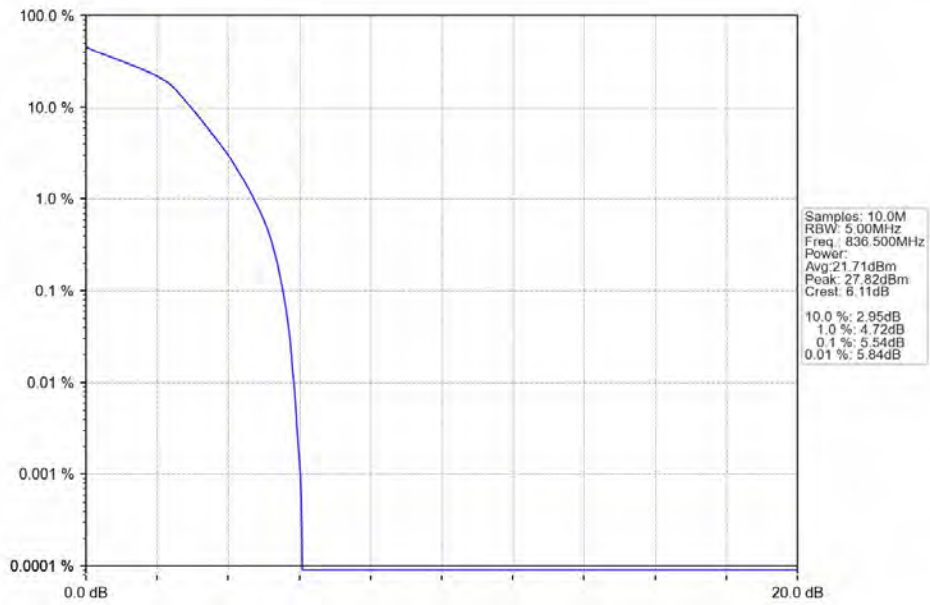
Band5 1.4MHz QPSK HCH 848.3MHz RB 6_0 NTN



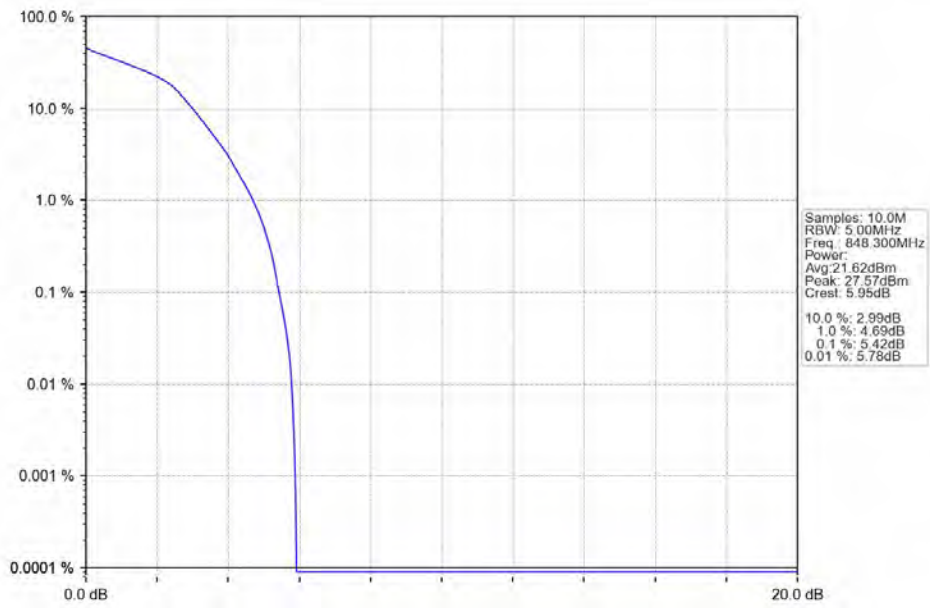
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6_0 NTN



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTV

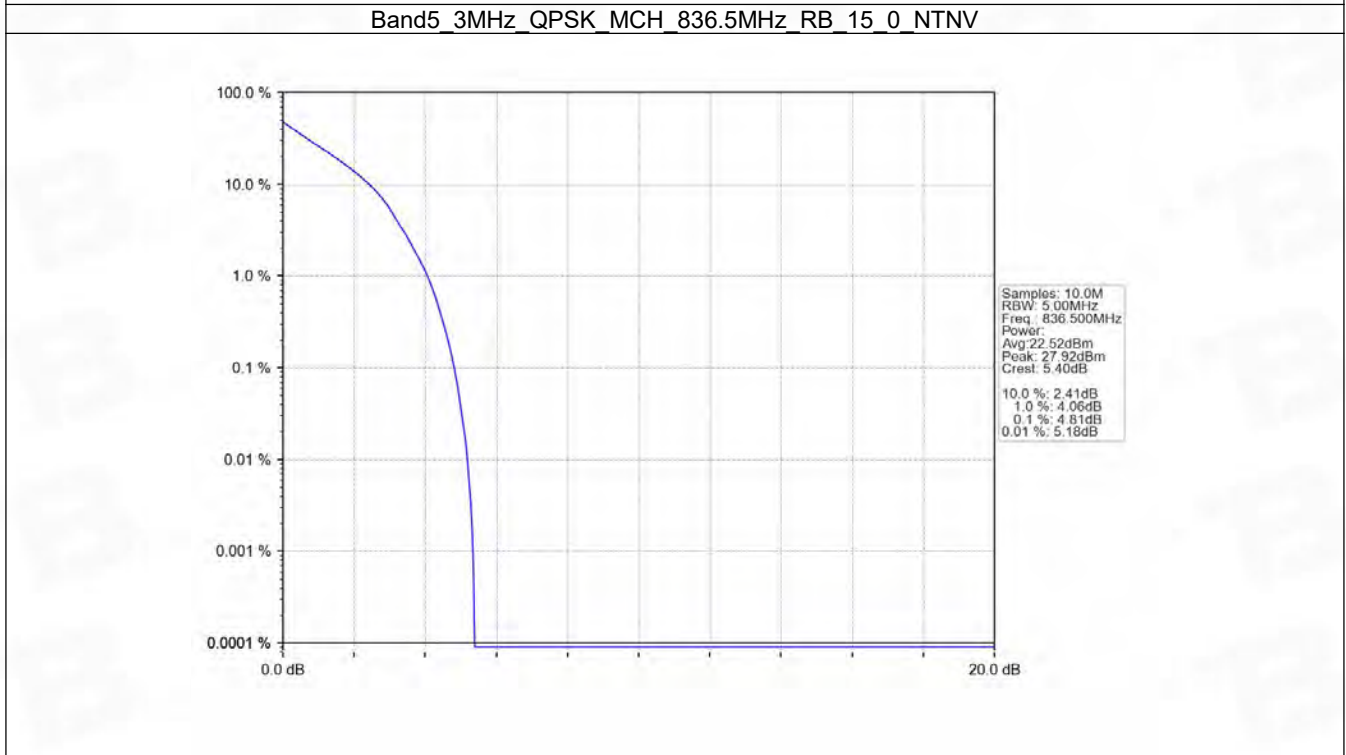
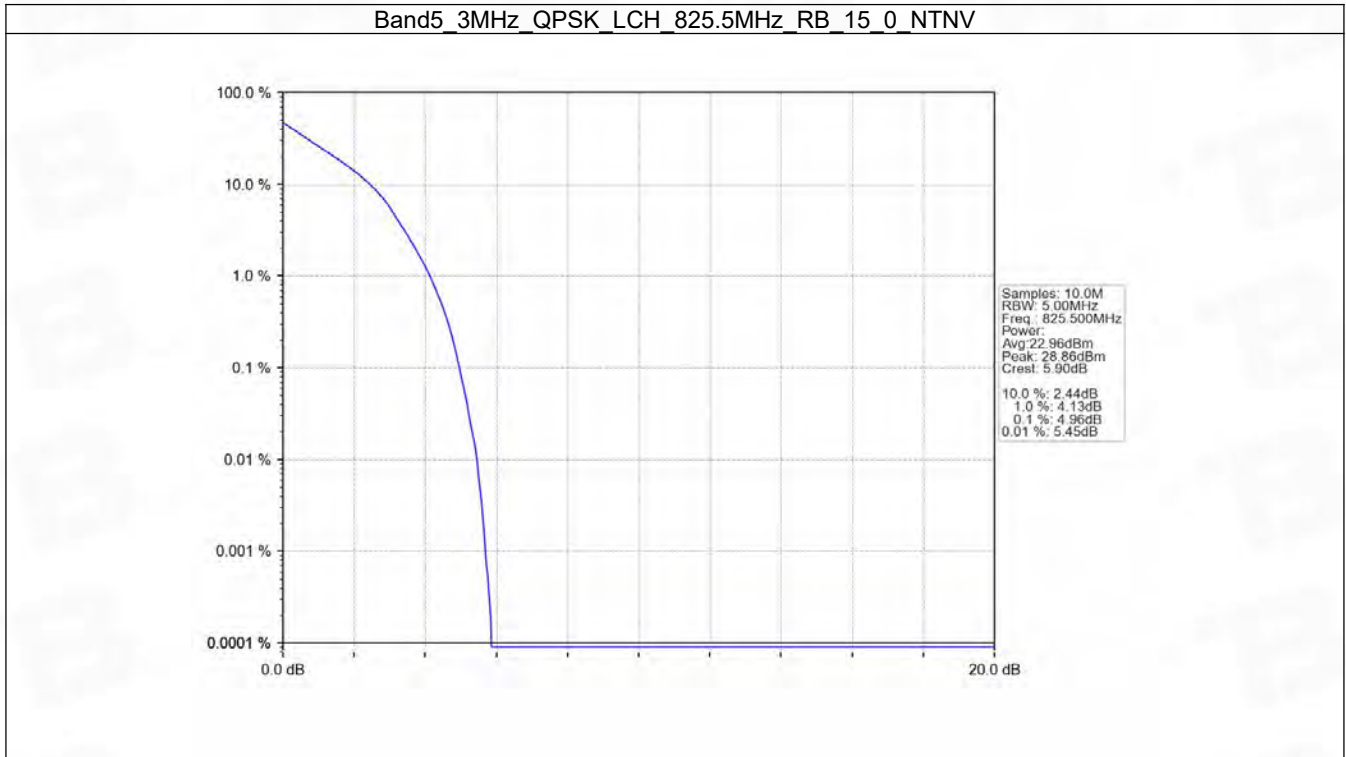


5.2 B5_3MHz

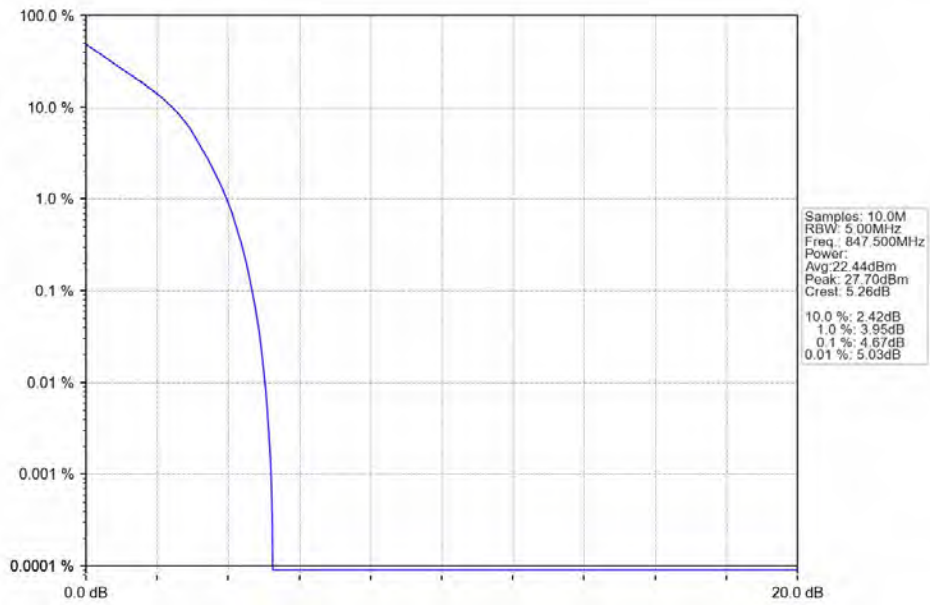
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	4.96	<=13	Pass
	836.5	15	0	4.81	<=13	Pass
	847.5	15	0	4.67	<=13	Pass
16QAM	825.5	15	0	5.77	<=13	Pass
	836.5	15	0	5.70	<=13	Pass
	847.5	15	0	5.48	<=13	Pass

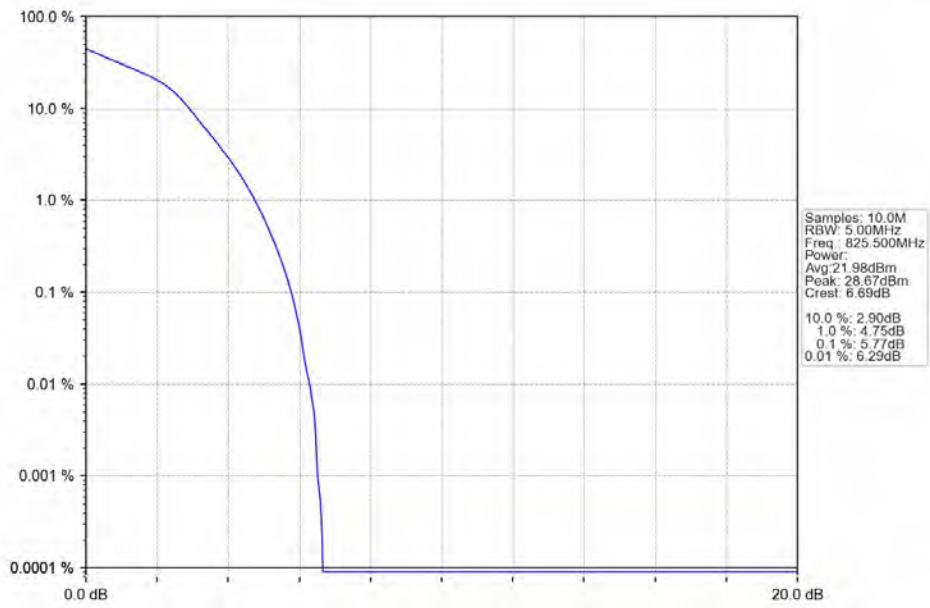
5.2.2 Test Graph



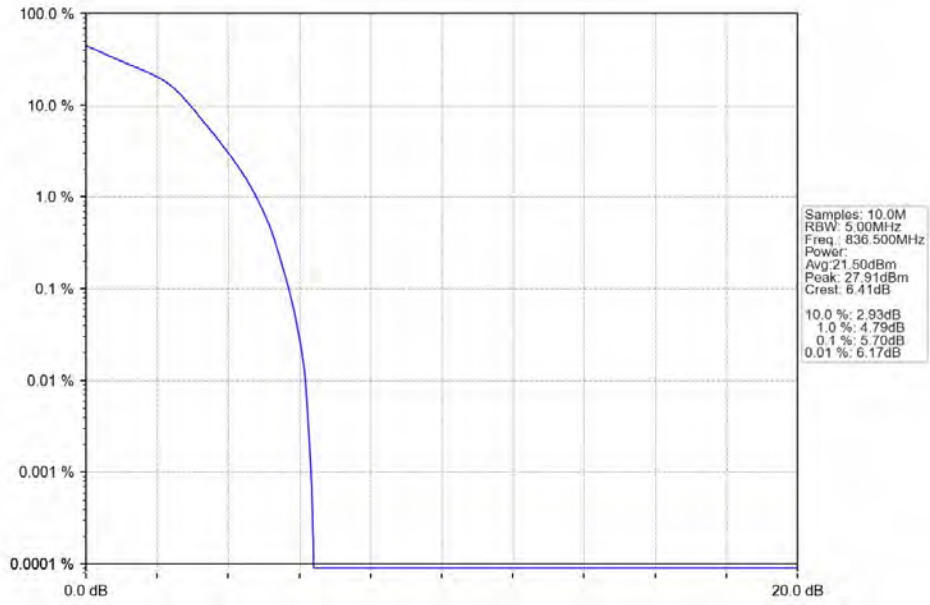
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



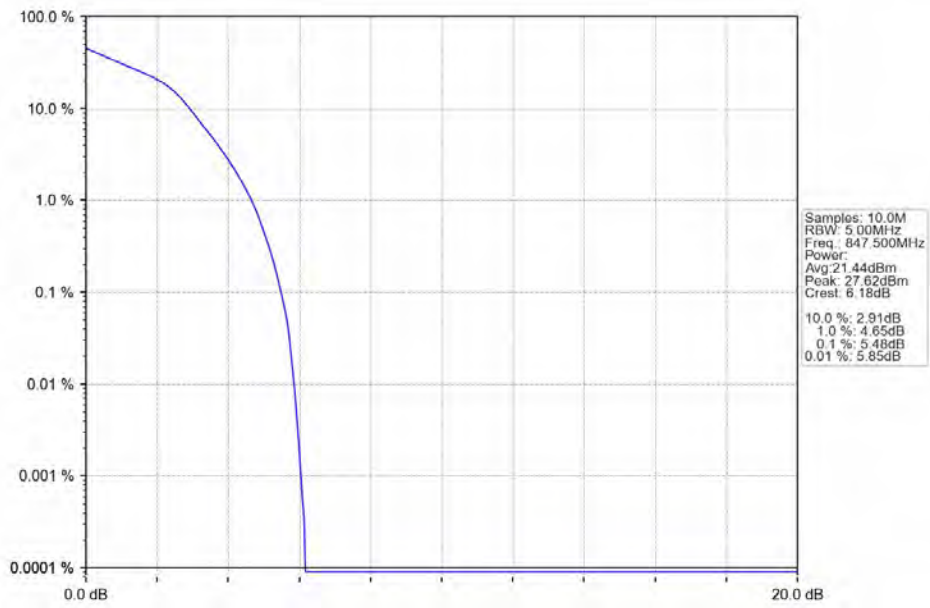
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

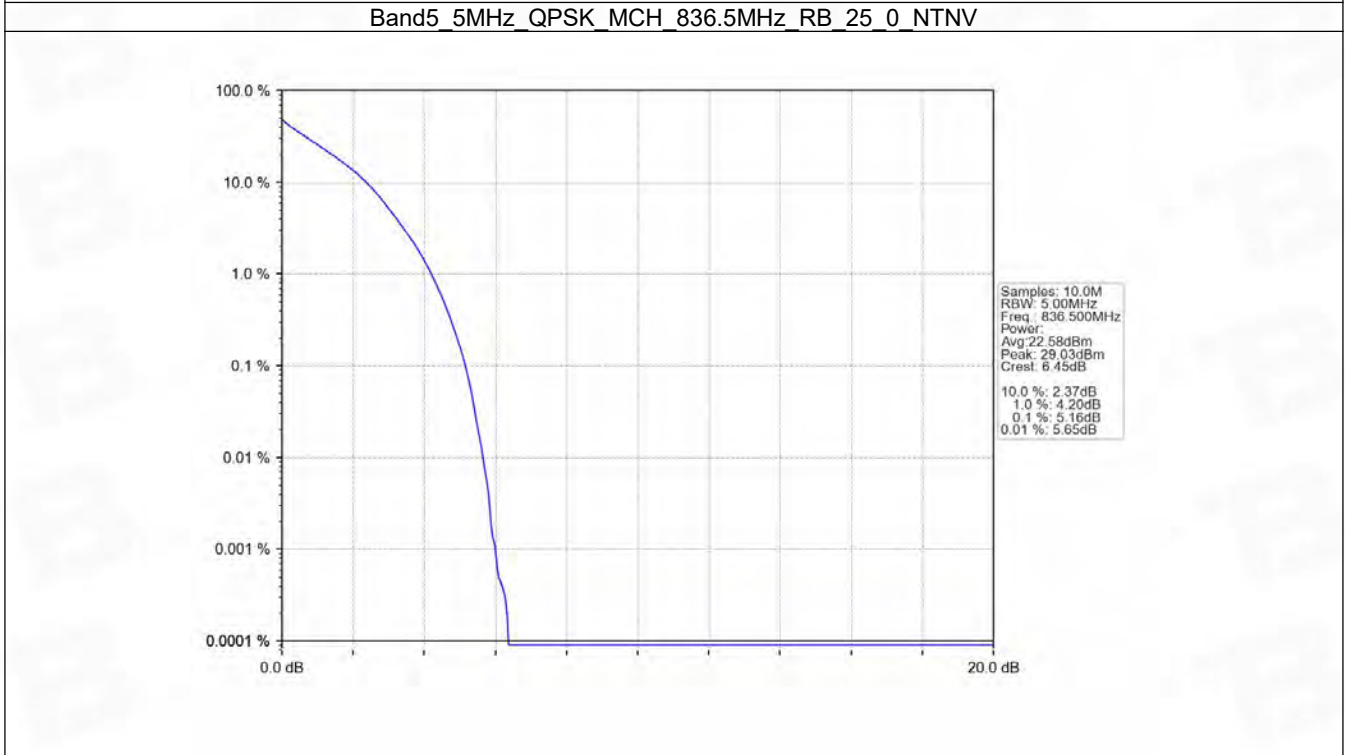
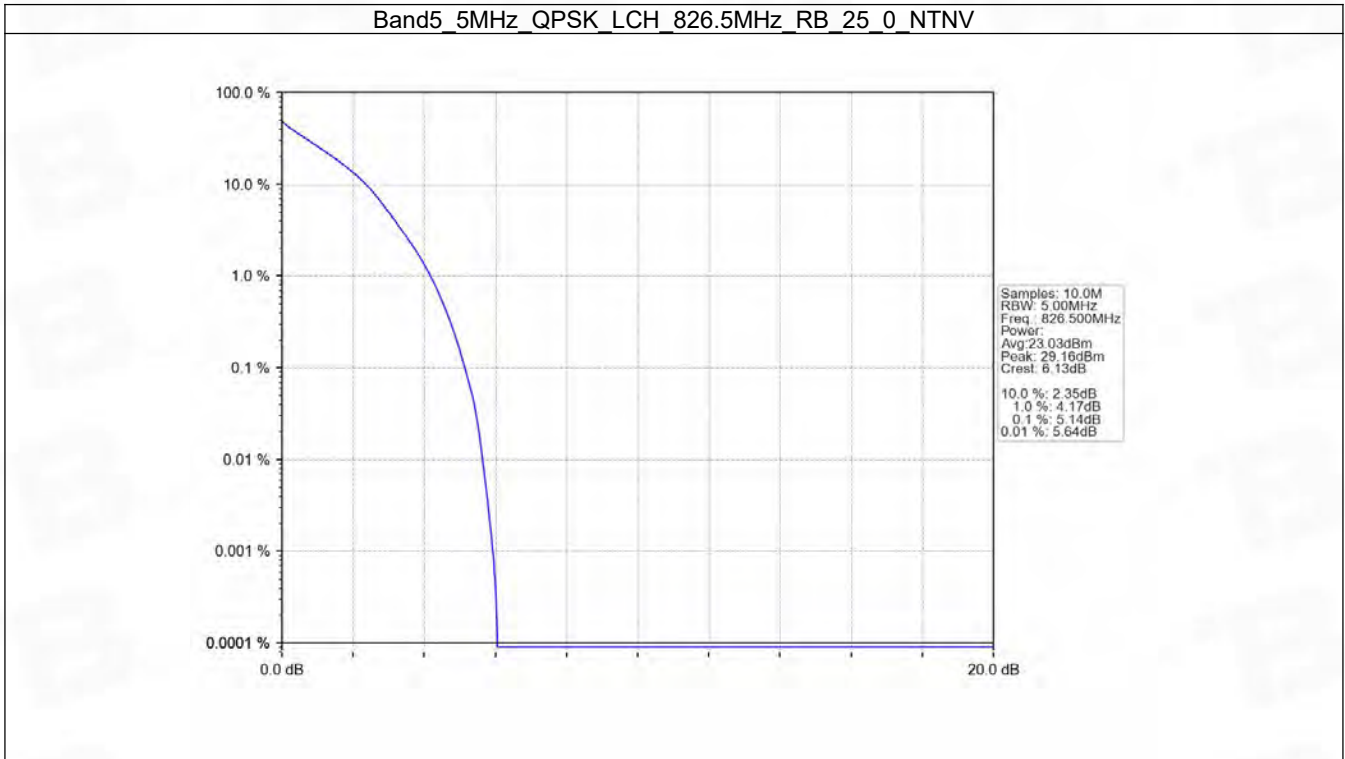


5.3 B5_5MHz

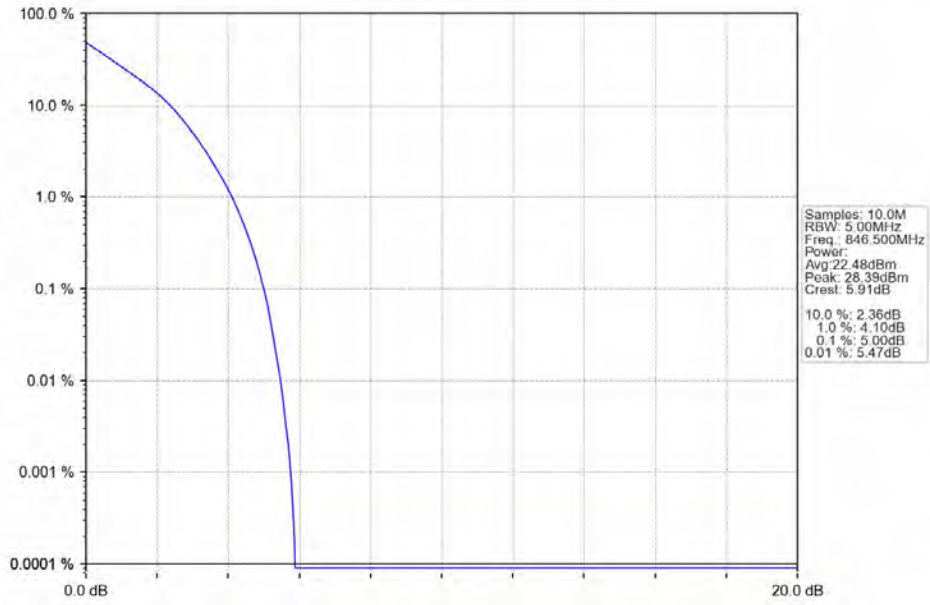
5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.14	<=13	Pass
	836.5	25	0	5.16	<=13	Pass
	846.5	25	0	5.00	<=13	Pass
16QAM	826.5	25	0	5.83	<=13	Pass
	836.5	25	0	5.86	<=13	Pass
	846.5	25	0	5.66	<=13	Pass

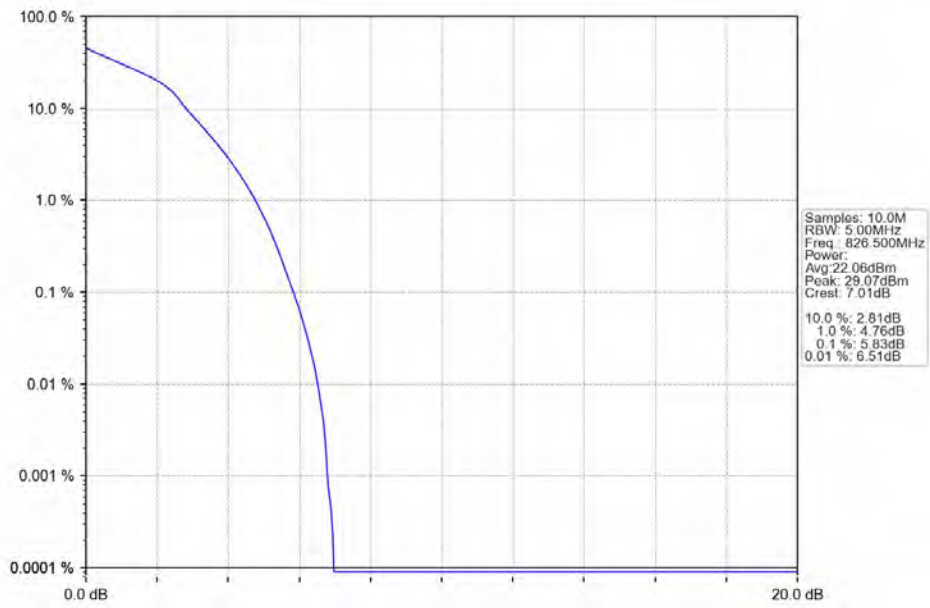
5.3.2 Test Graph



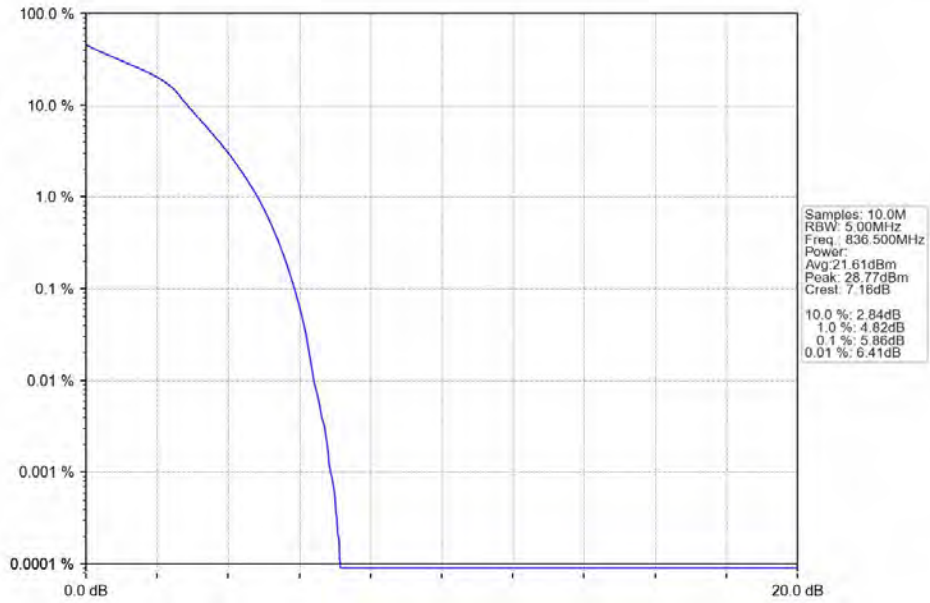
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



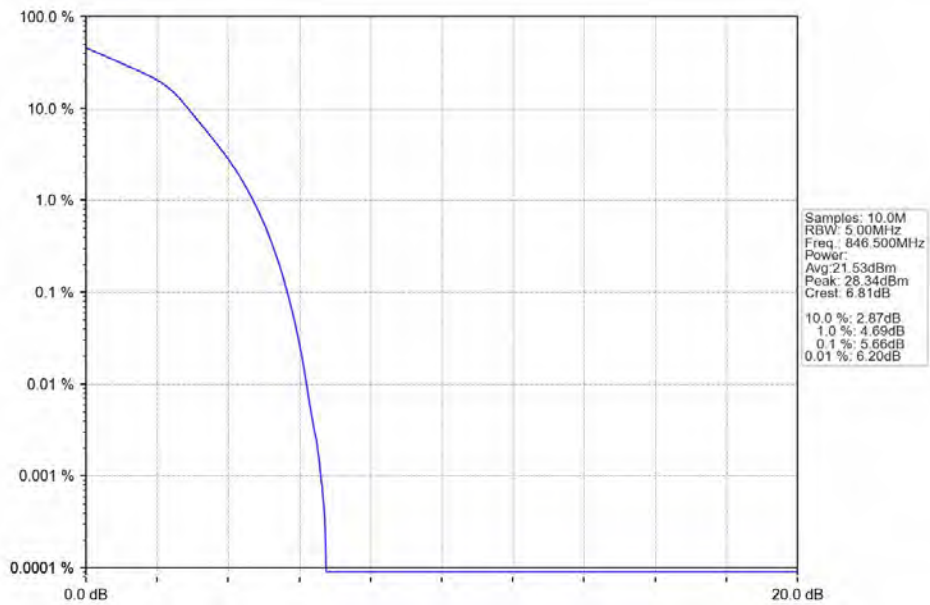
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

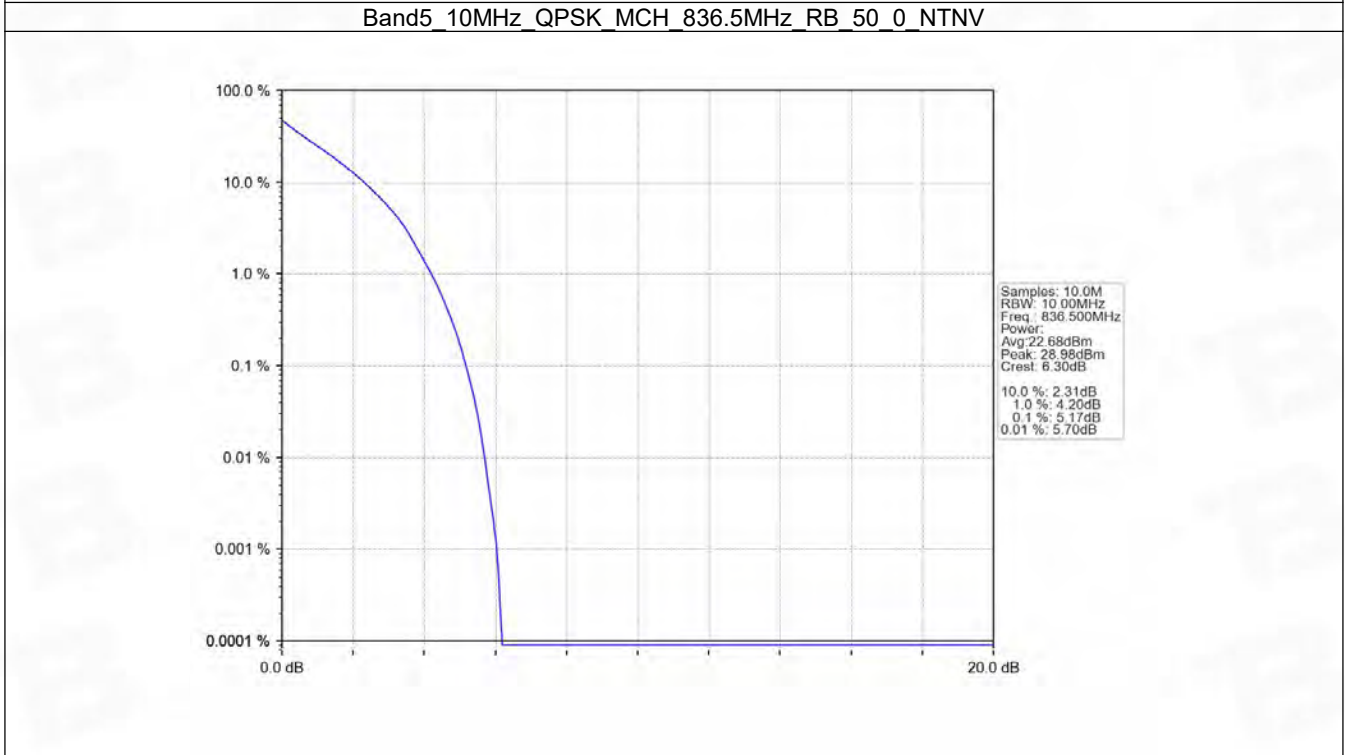
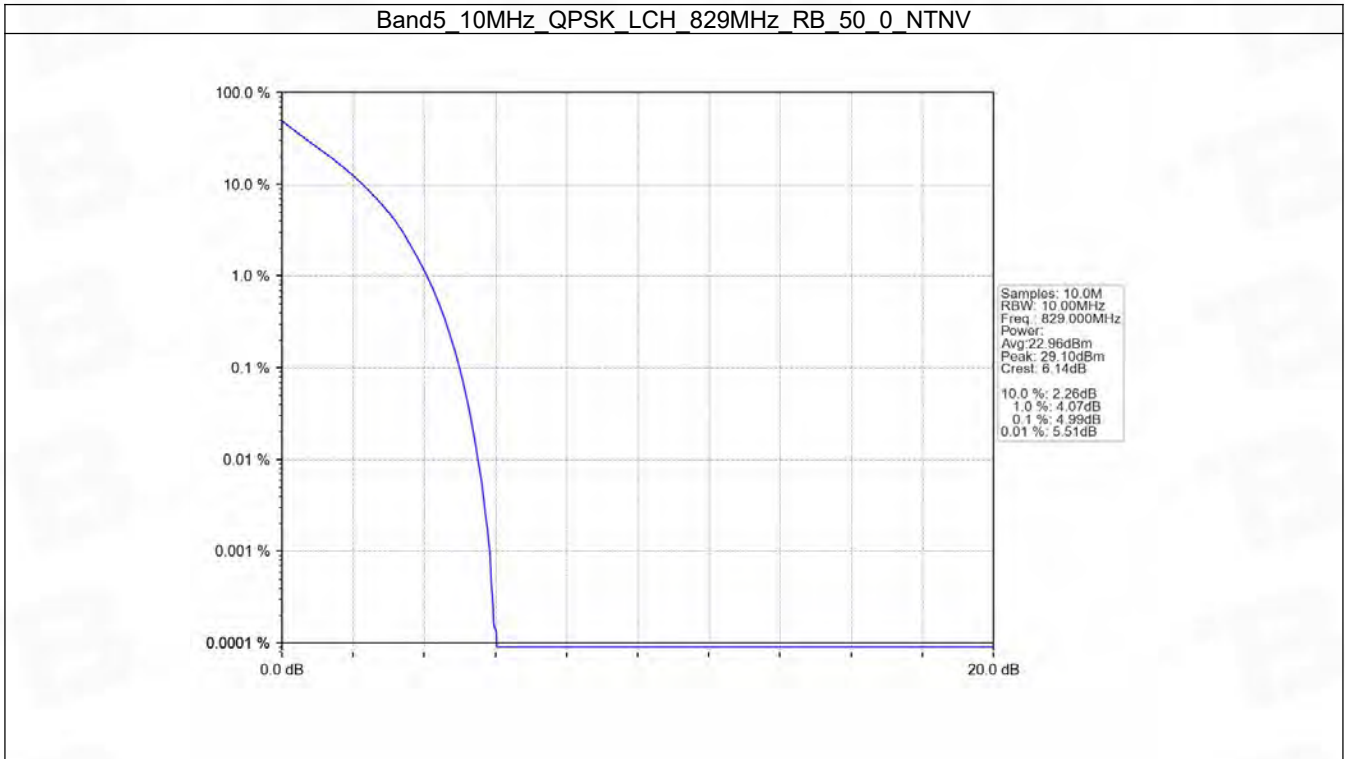


5.4 B5_10MHz

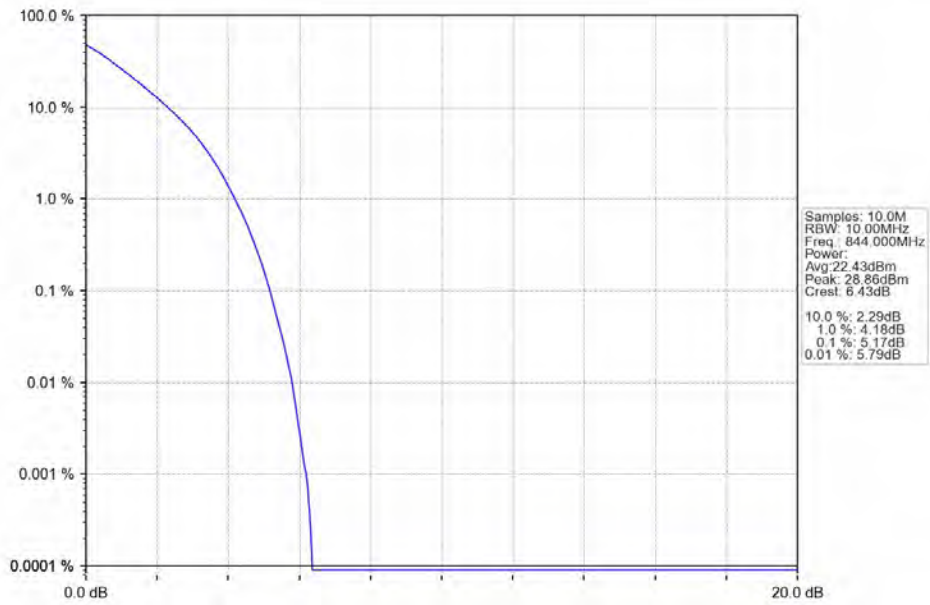
5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	4.99	<=13	Pass
	836.5	50	0	5.17	<=13	Pass
	844	50	0	5.17	<=13	Pass
16QAM	829	50	0	5.75	<=13	Pass
	836.5	50	0	5.94	<=13	Pass
	844	50	0	5.92	<=13	Pass

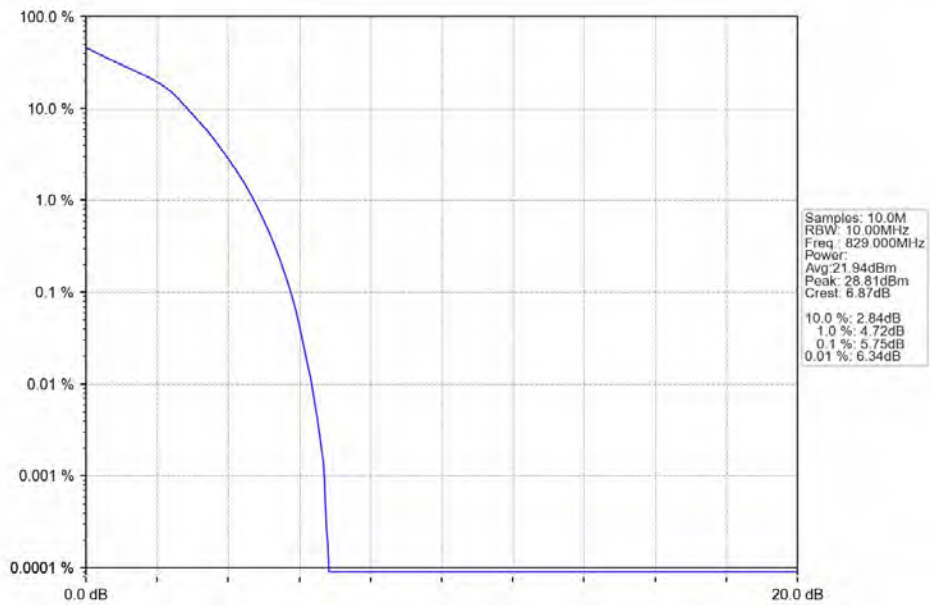
5.4.2 Test Graph



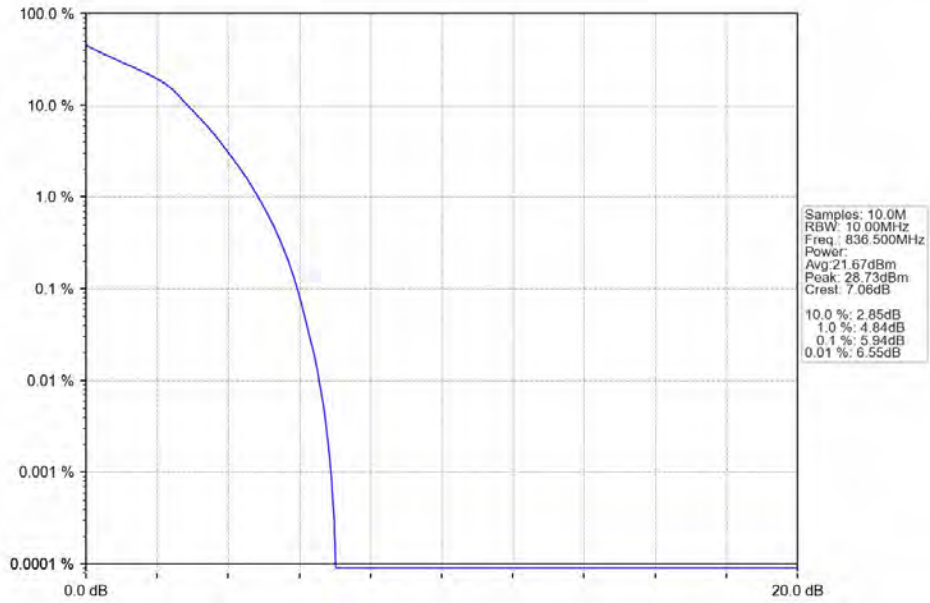
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



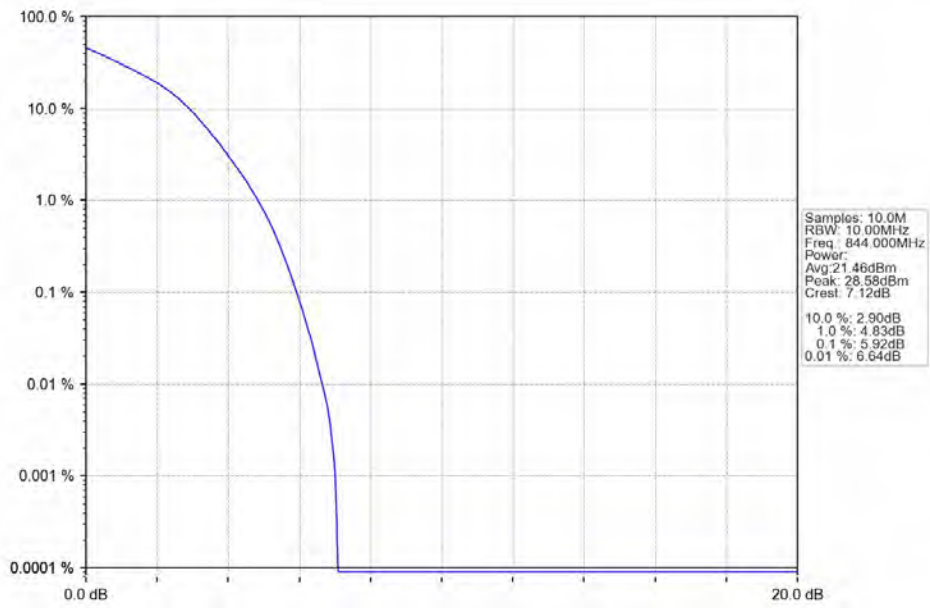
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



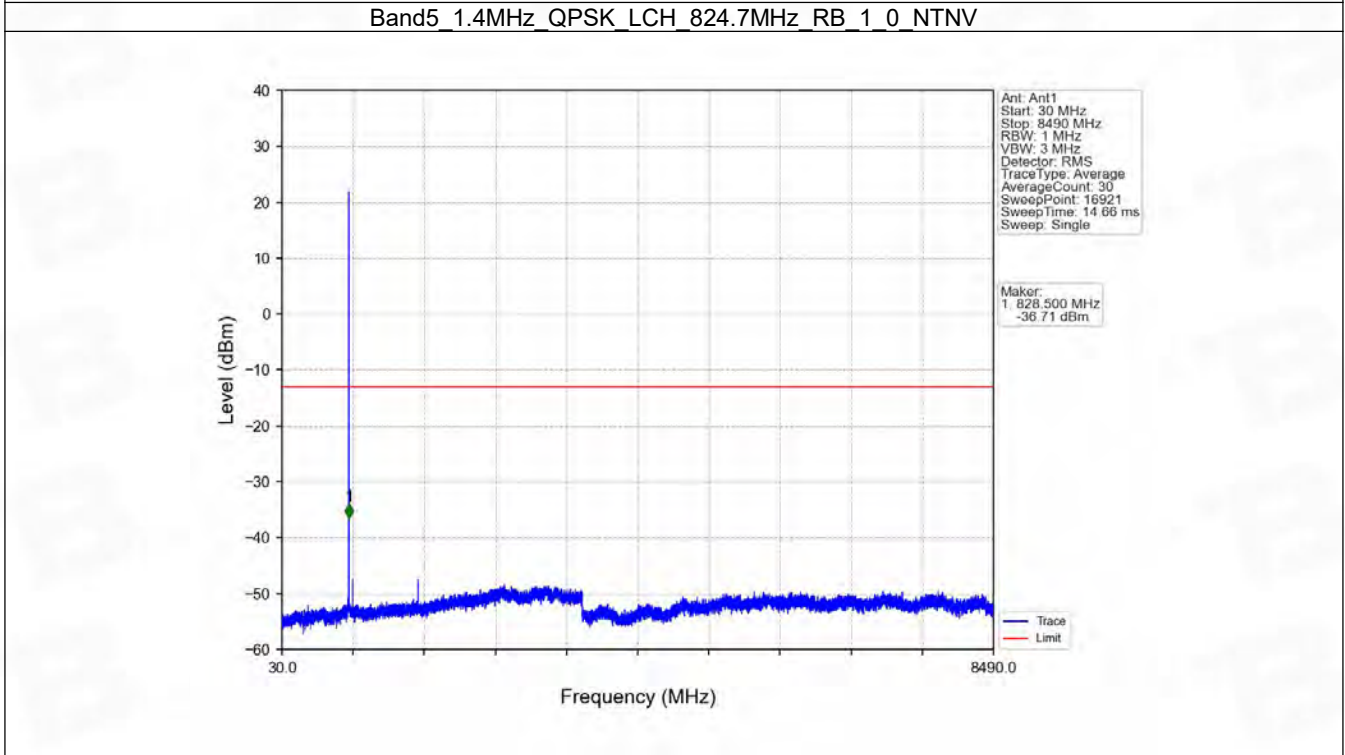
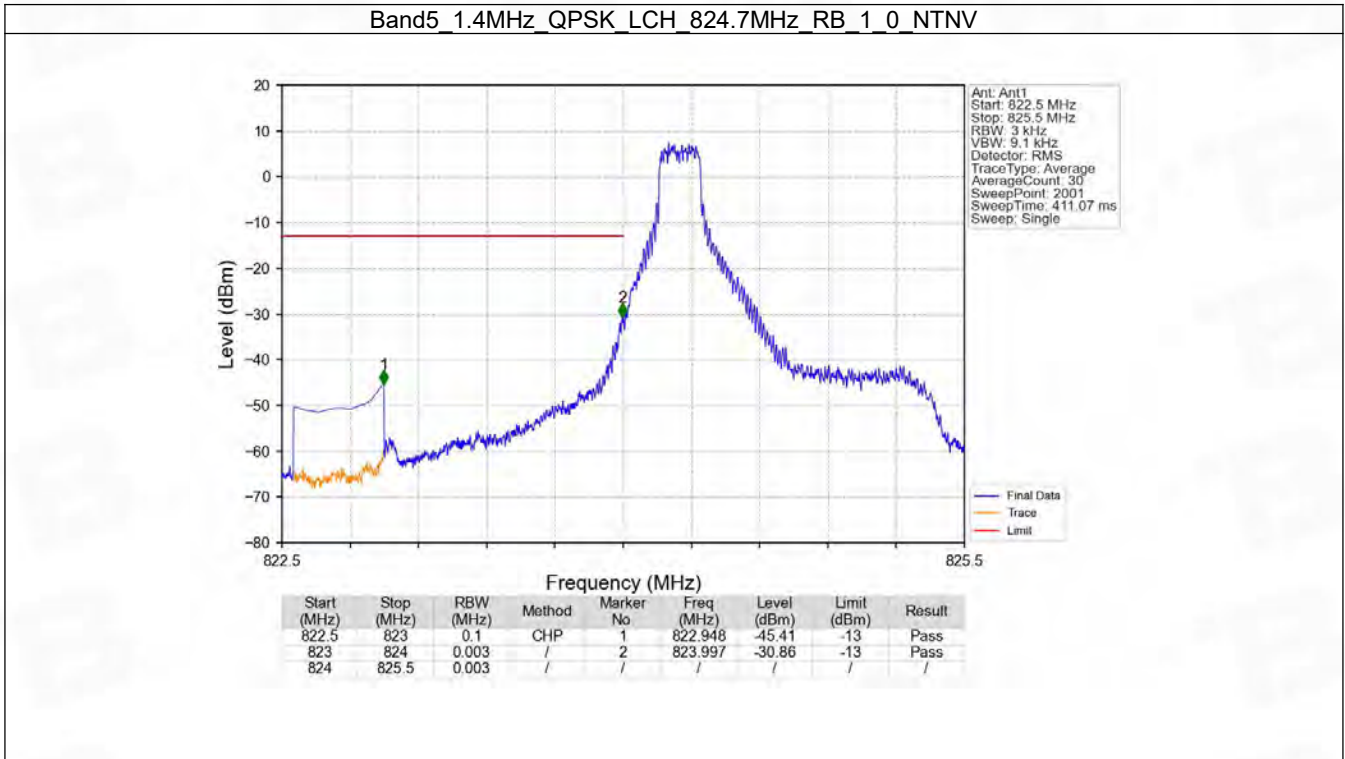
6. Spurious Emission

6.1 B5_1.4MHz

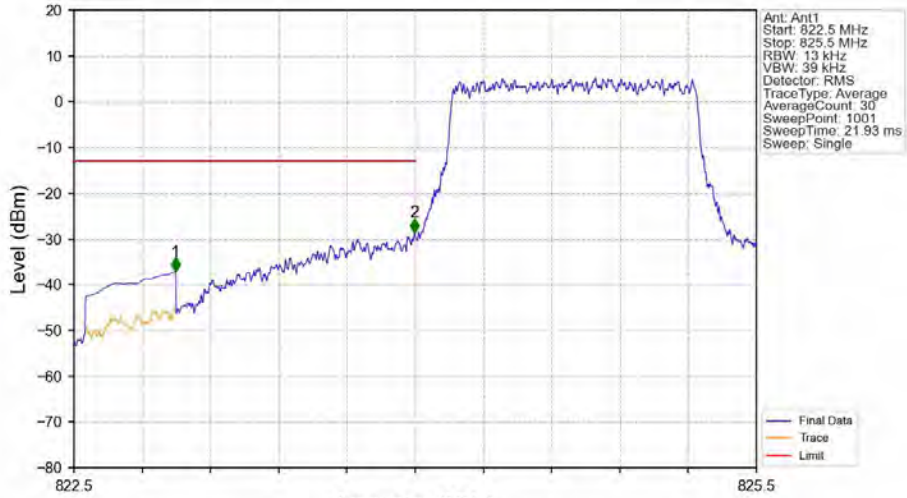
6.1.1 Test Result

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

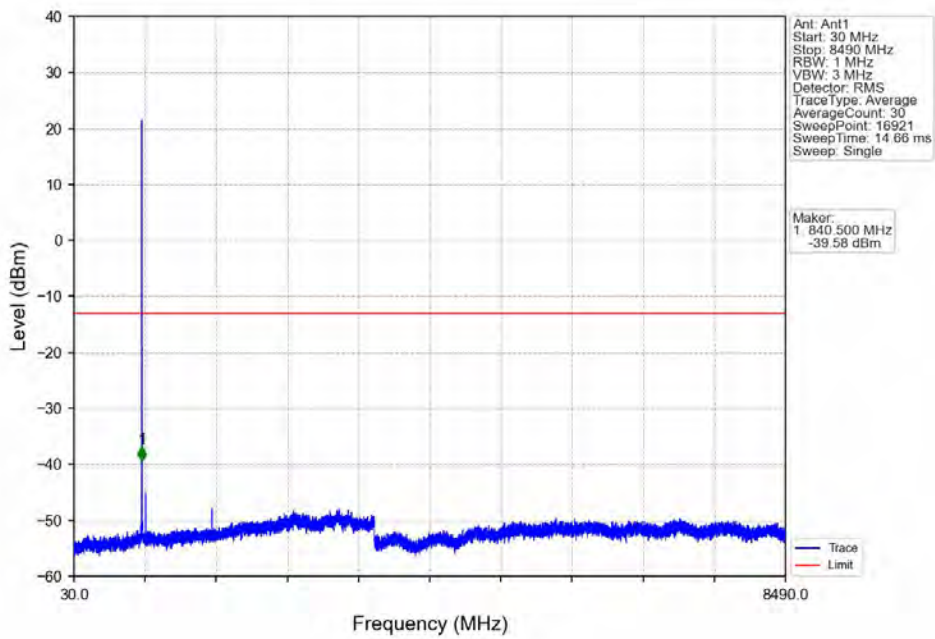


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTN



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	-37.14	-13	Pass
823	824	0.013	/	2	823.997	-28.59	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

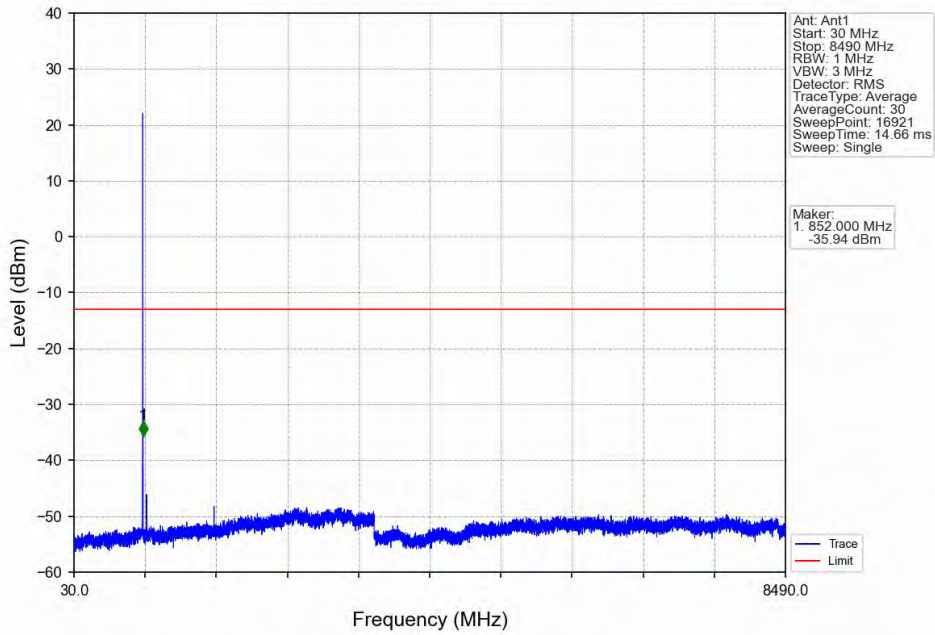
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTN



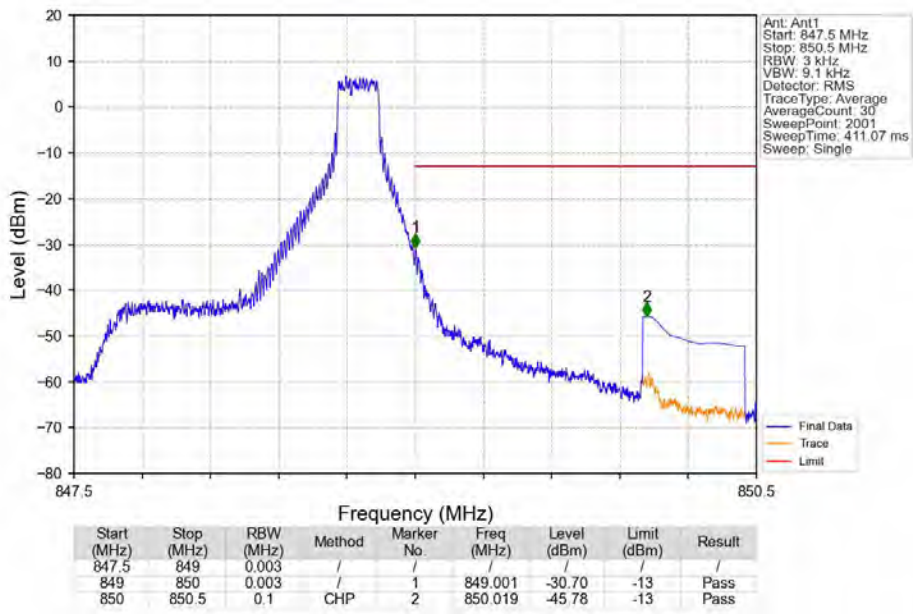
Ant: Ant1
 Start: 840.0 MHz
 Stop: 8490.0 MHz
 RBW: 1 MHz
 VBW: 3 MHz
 Detector: RMS
 Trace Type: Average
 Average Count: 30
 Sweep Point: 16921
 Sweep Time: 14.66 ms
 Sweep: Single

Marker:
 1: 840.500 MHz
 -39.58 dBm

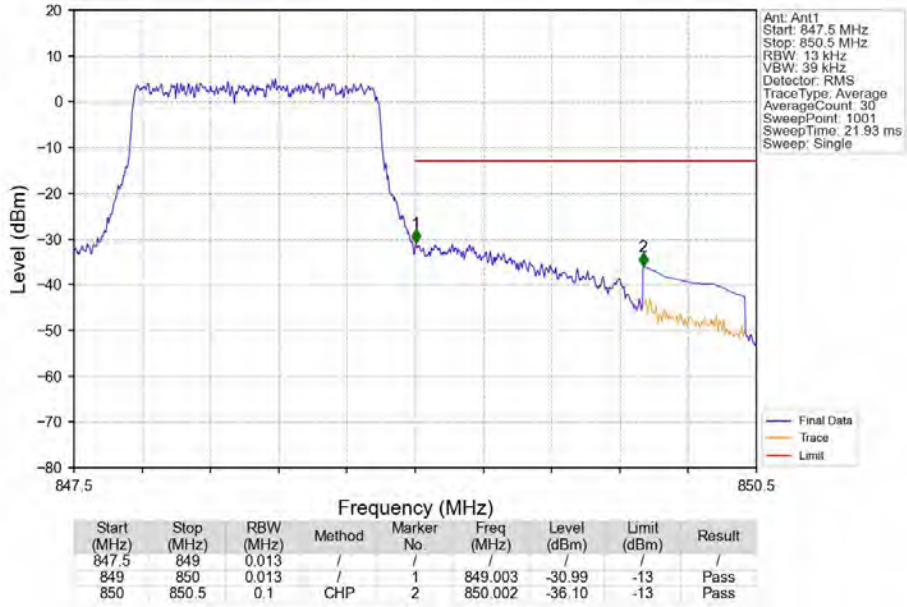
Band5 1.4MHz QPSK HCH 848.3MHz RB 1_0 NTN



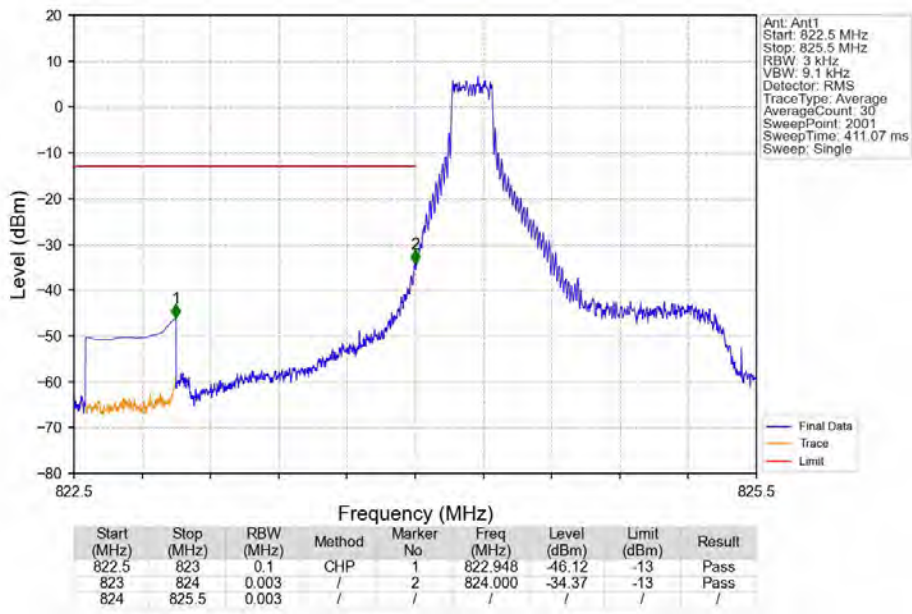
Band5 1.4MHz QPSK HCH 848.3MHz RB 1_5 NTN



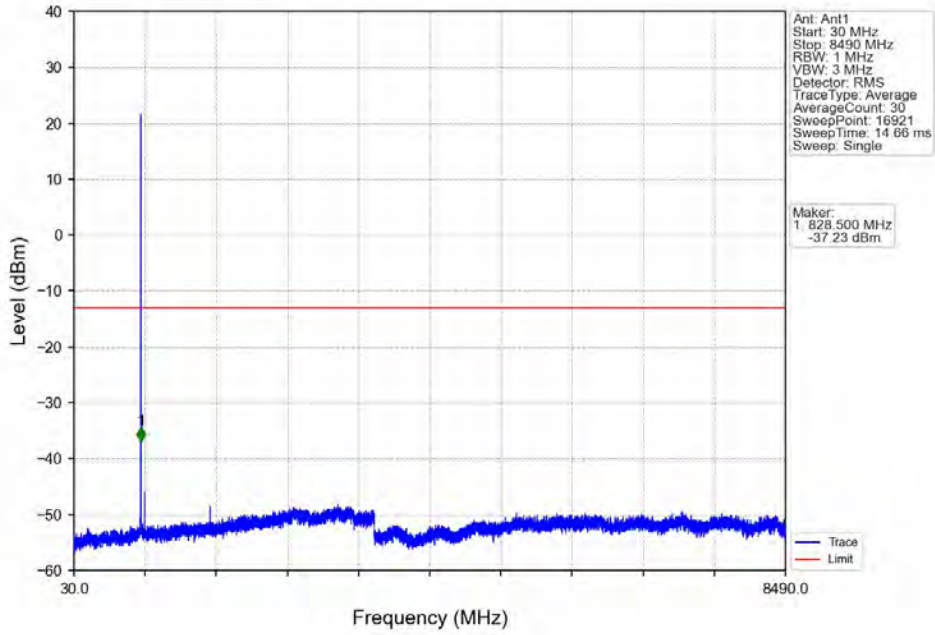
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



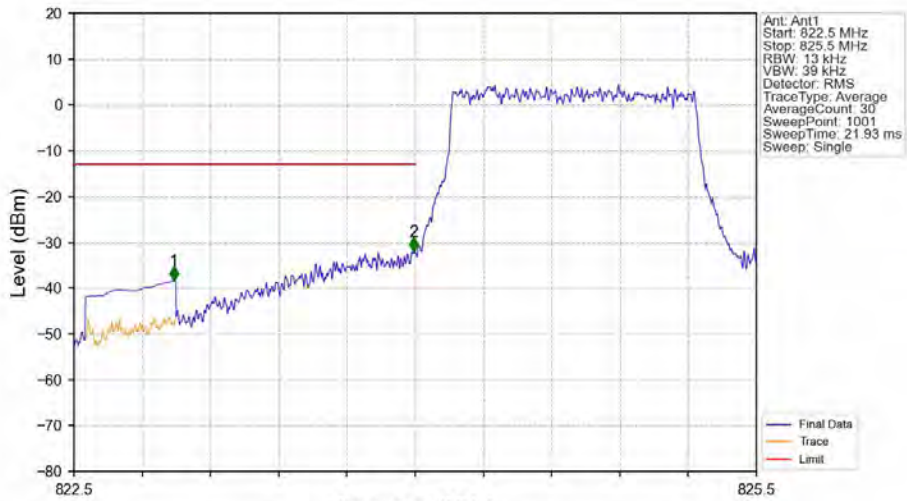
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTN



Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0_NTNV

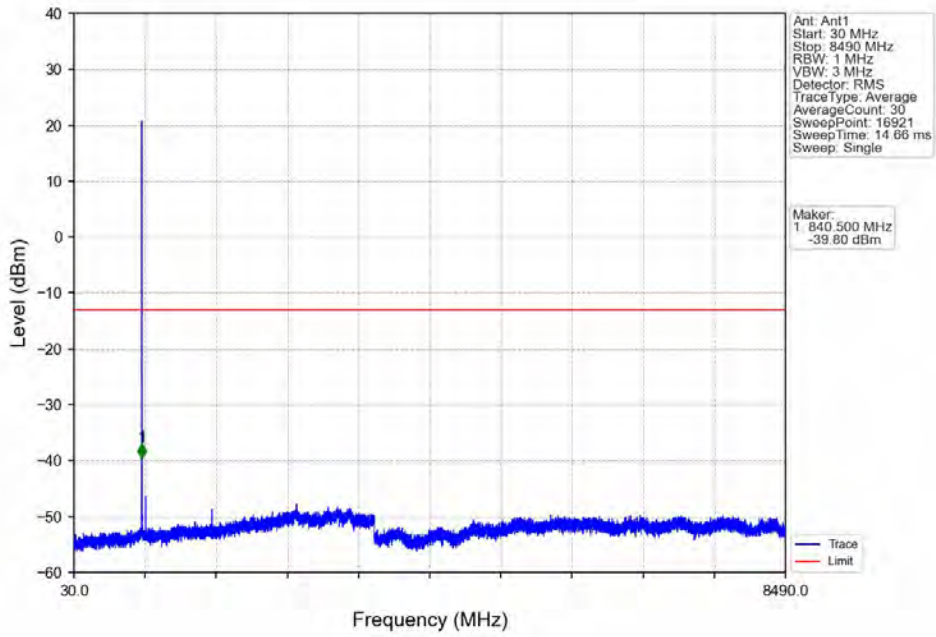


Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0_NTNV

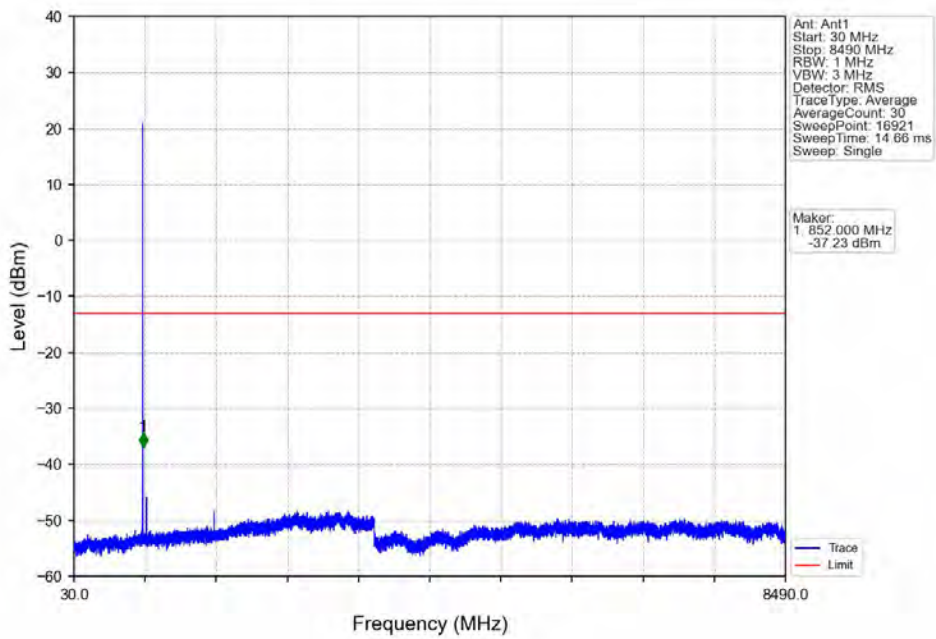


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	CHP	1	822.938	-38.37	-13	Pass
823	824	0.013	/	2	823.994	-32.09	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

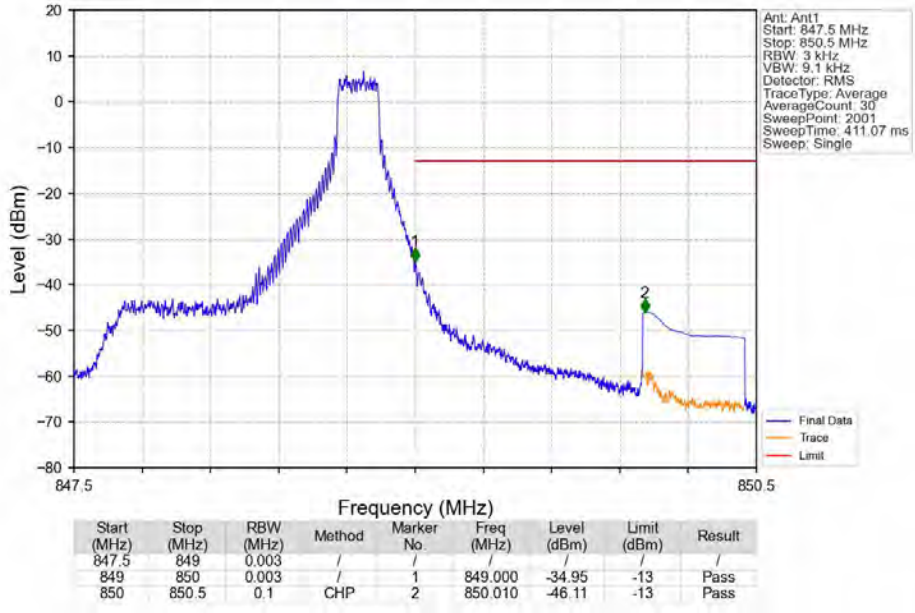
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



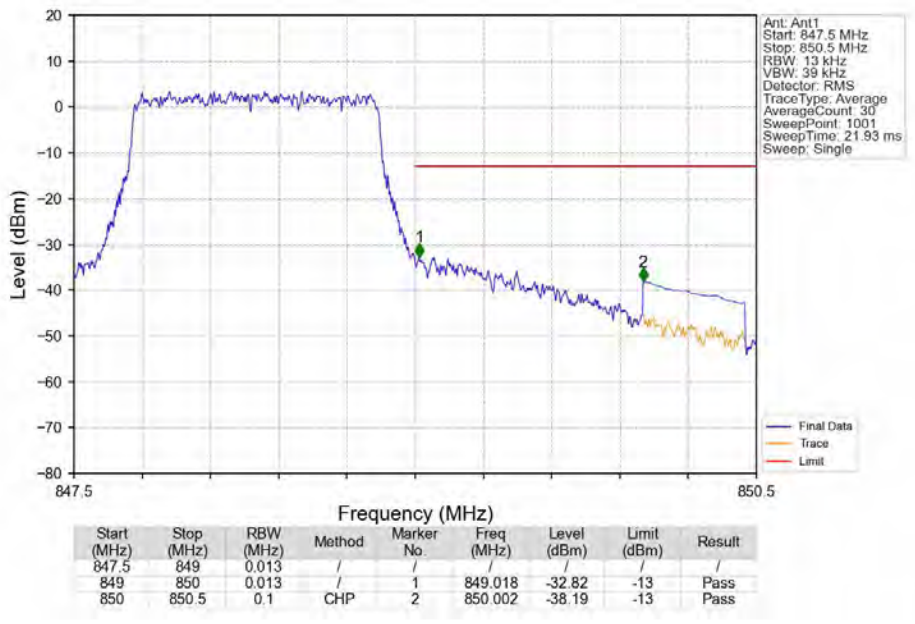
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 5 NTV



Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTV

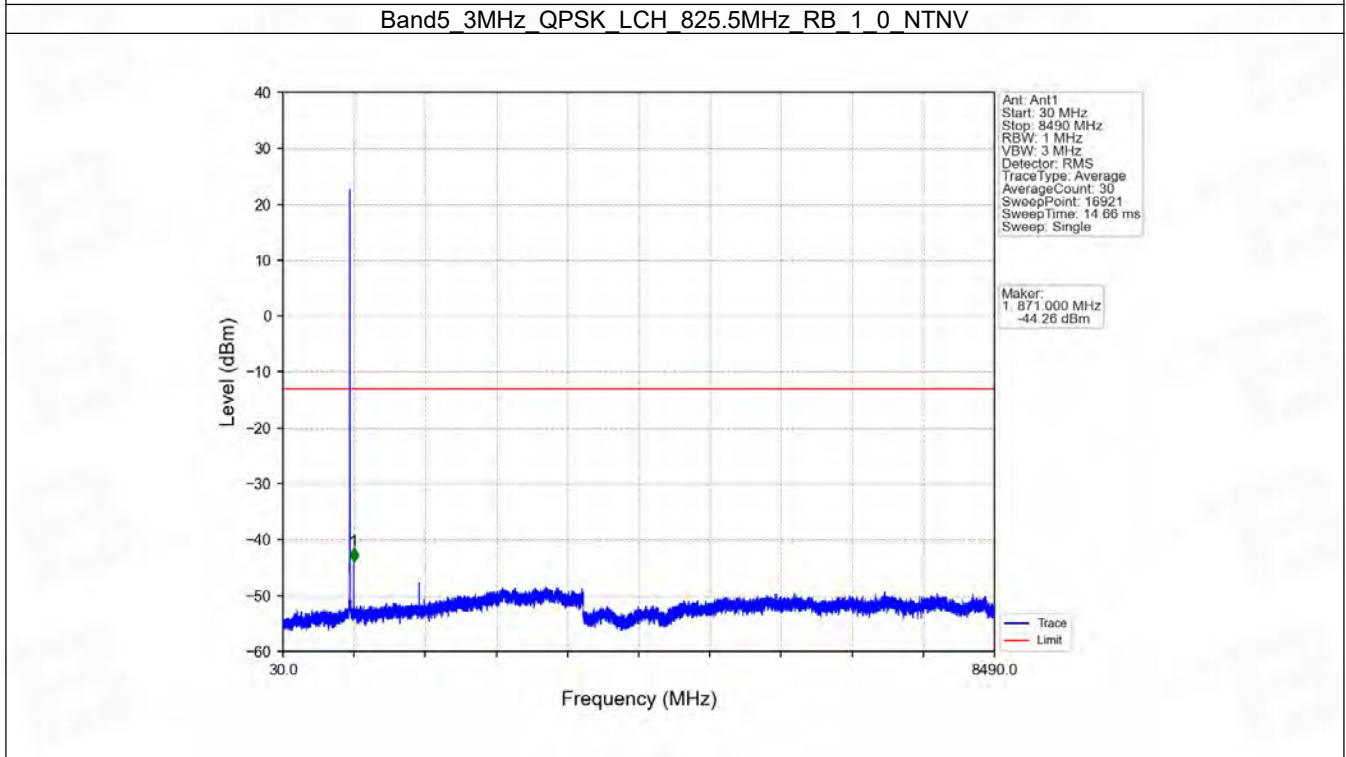
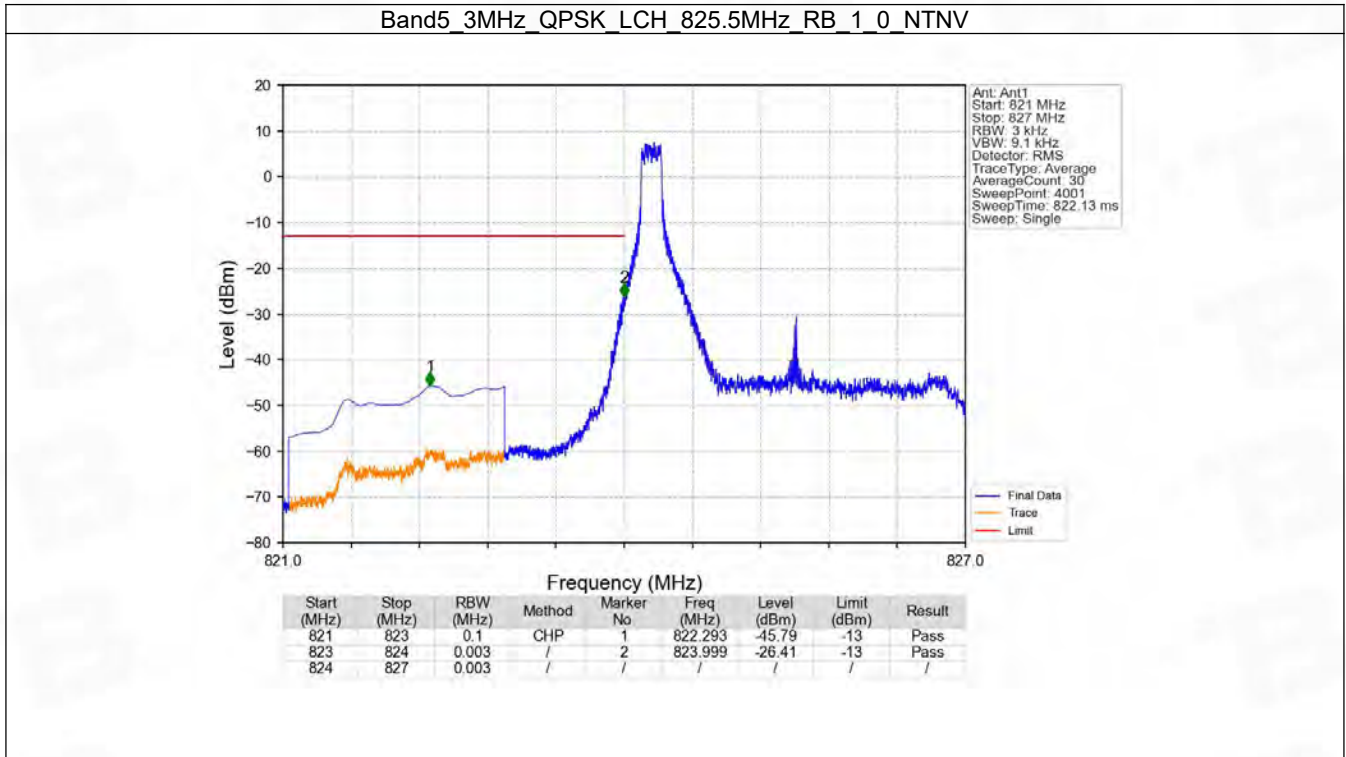


6.2 B5_3MHz

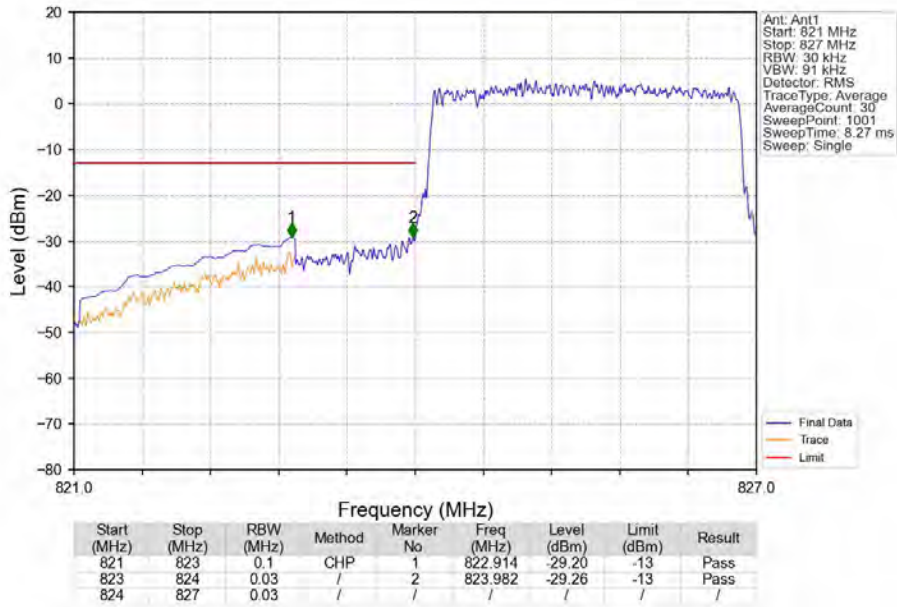
6.2.1 Test Result

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
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

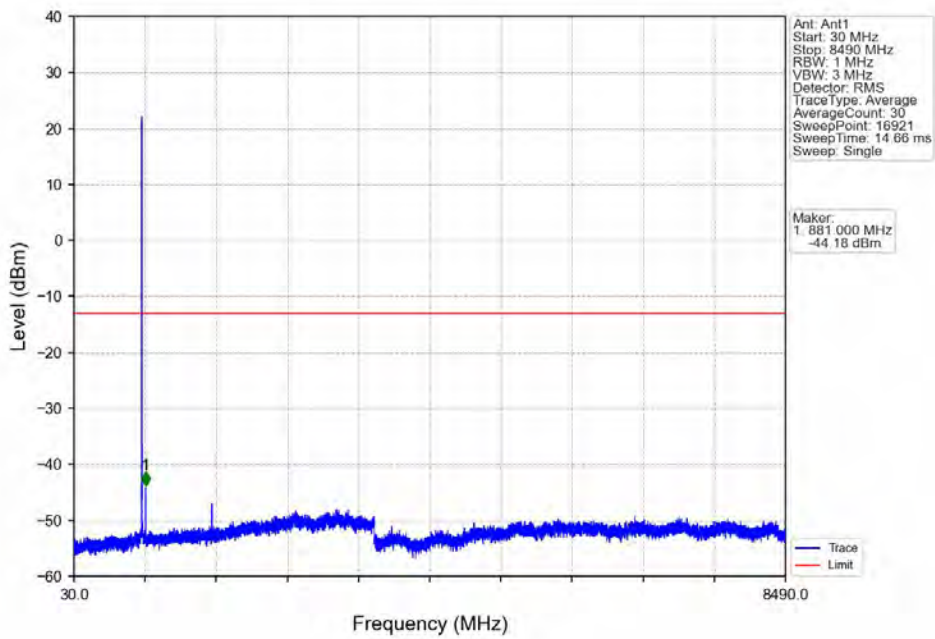
6.2.2 Test Graph



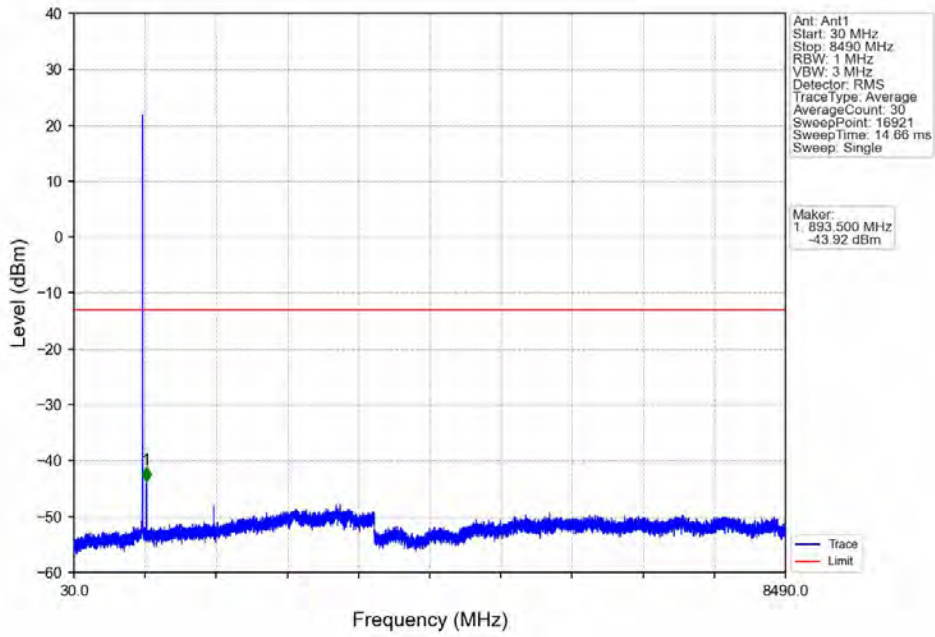
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



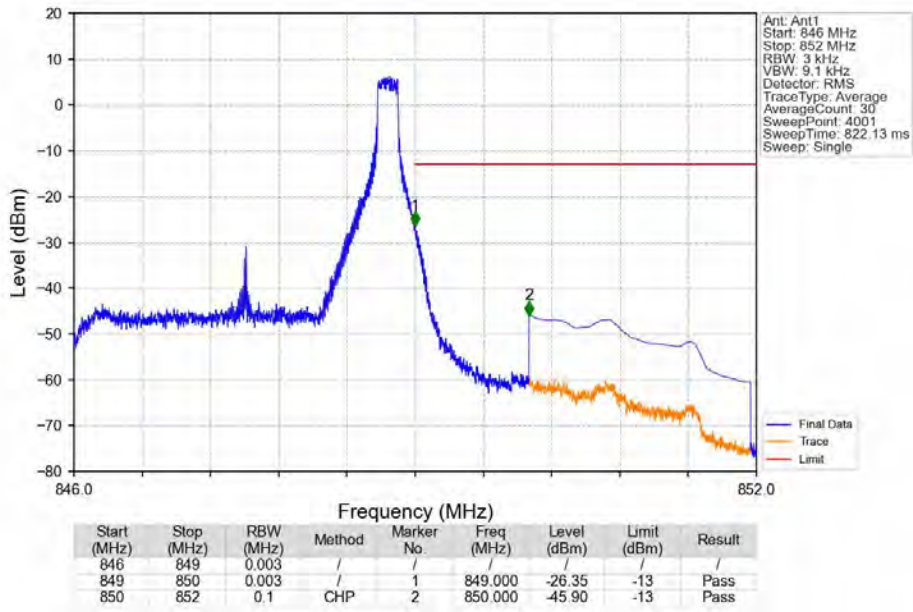
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



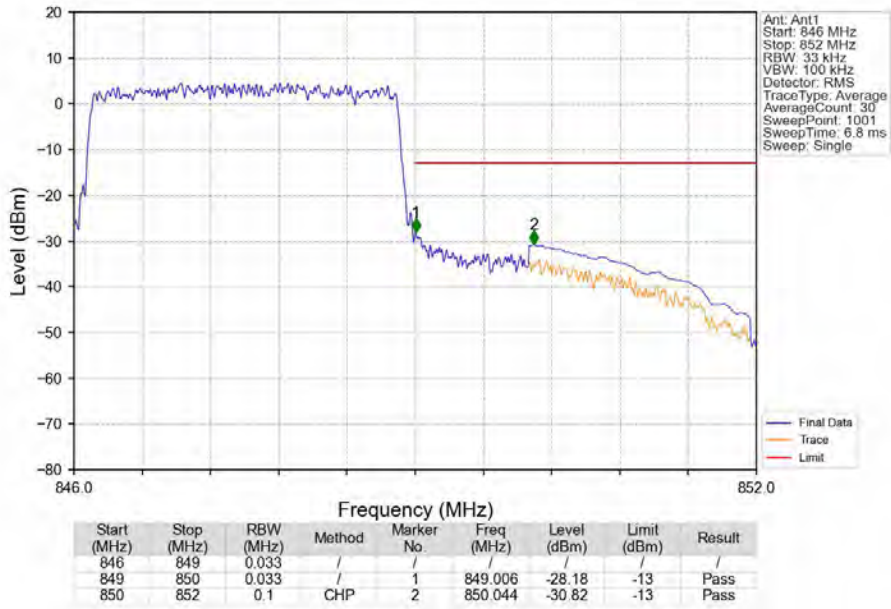
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



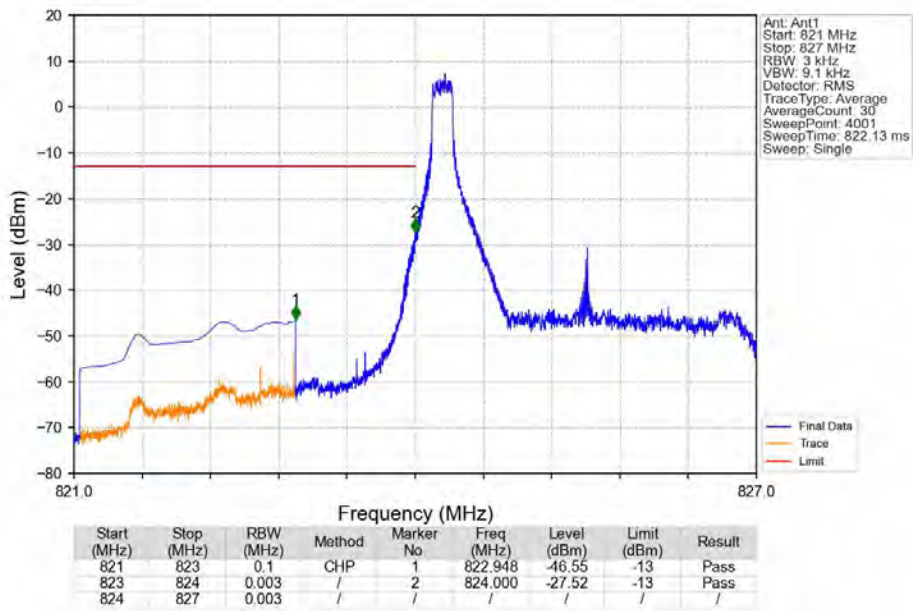
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



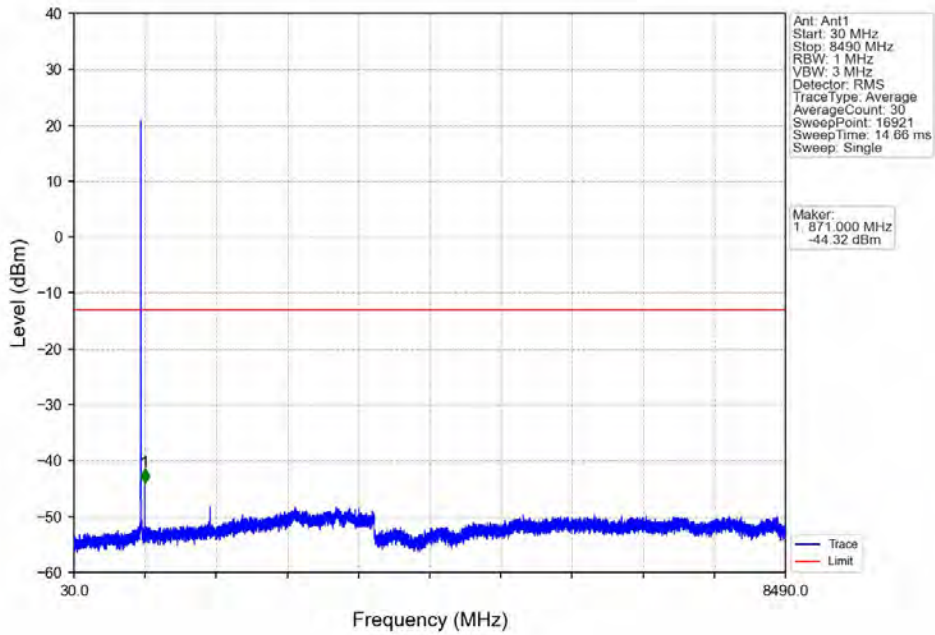
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



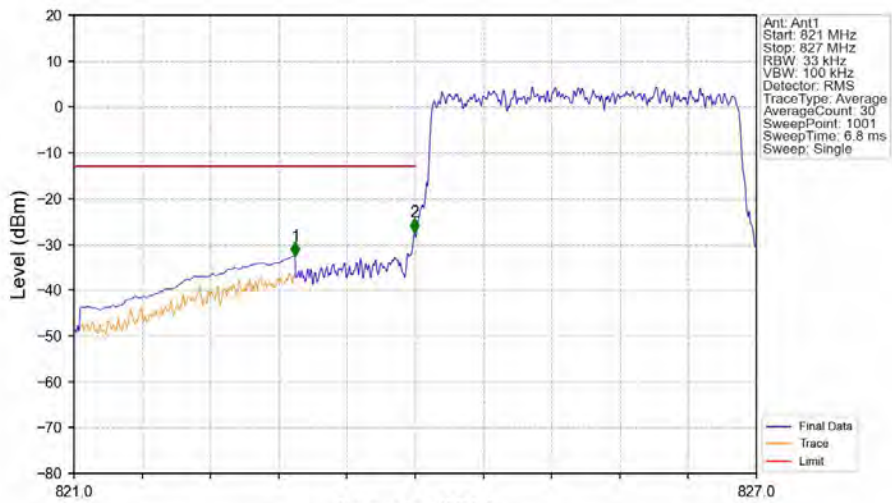
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

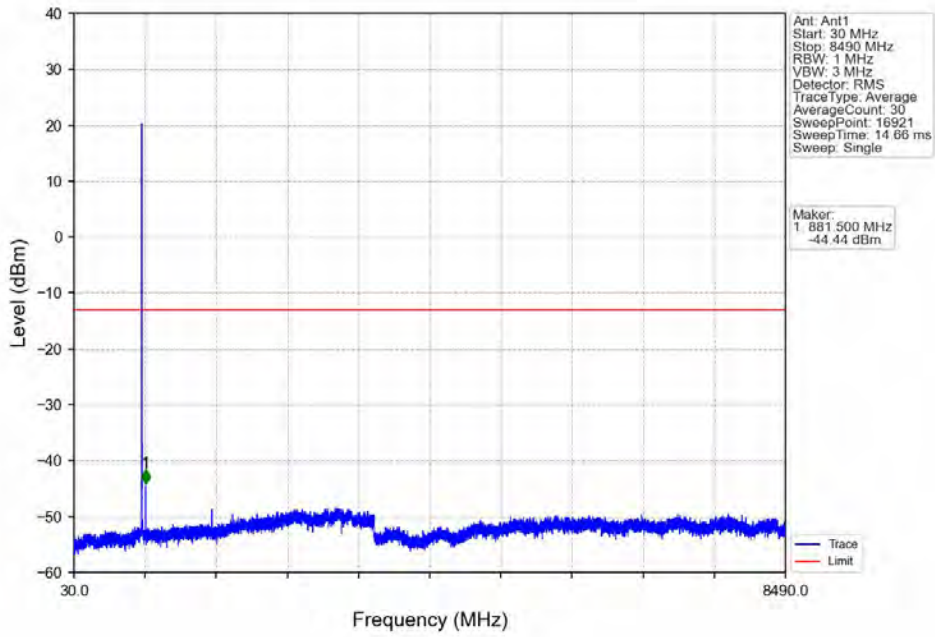


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

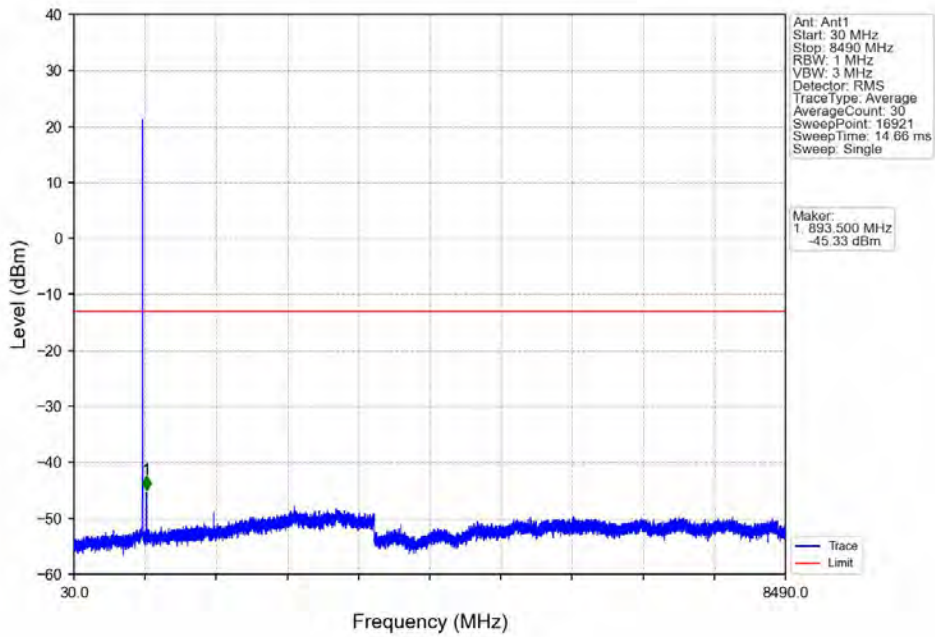


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-32.56	-13	Pass
823	824	0.033	/	2	823.994	-27.37	-13	Pass
824	827	0.033	/	/	/	/	/	/

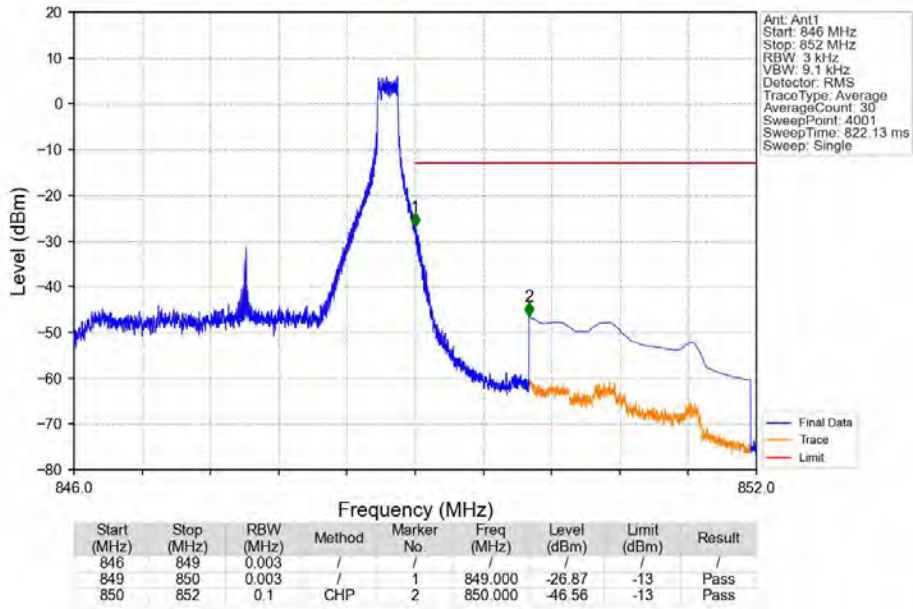
Band5_3MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



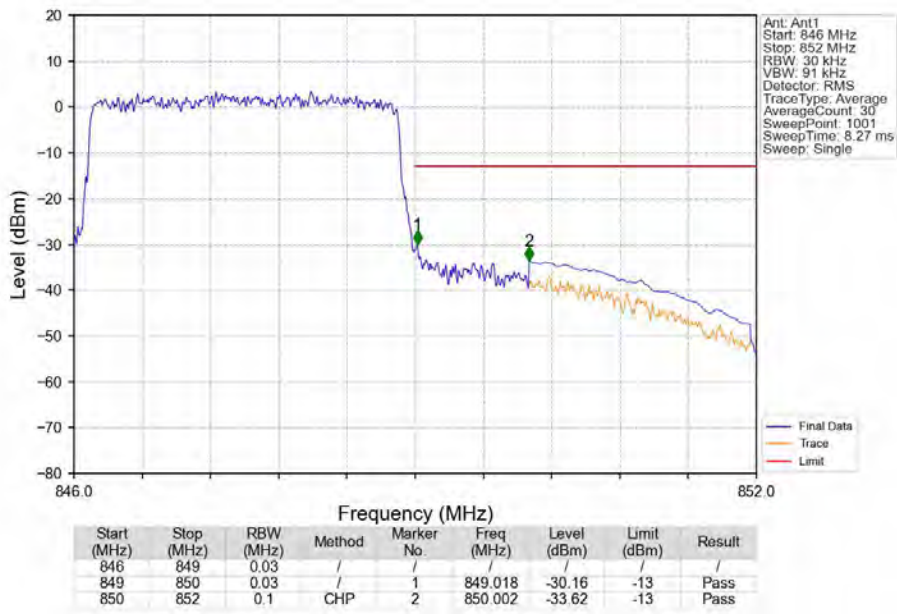
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV

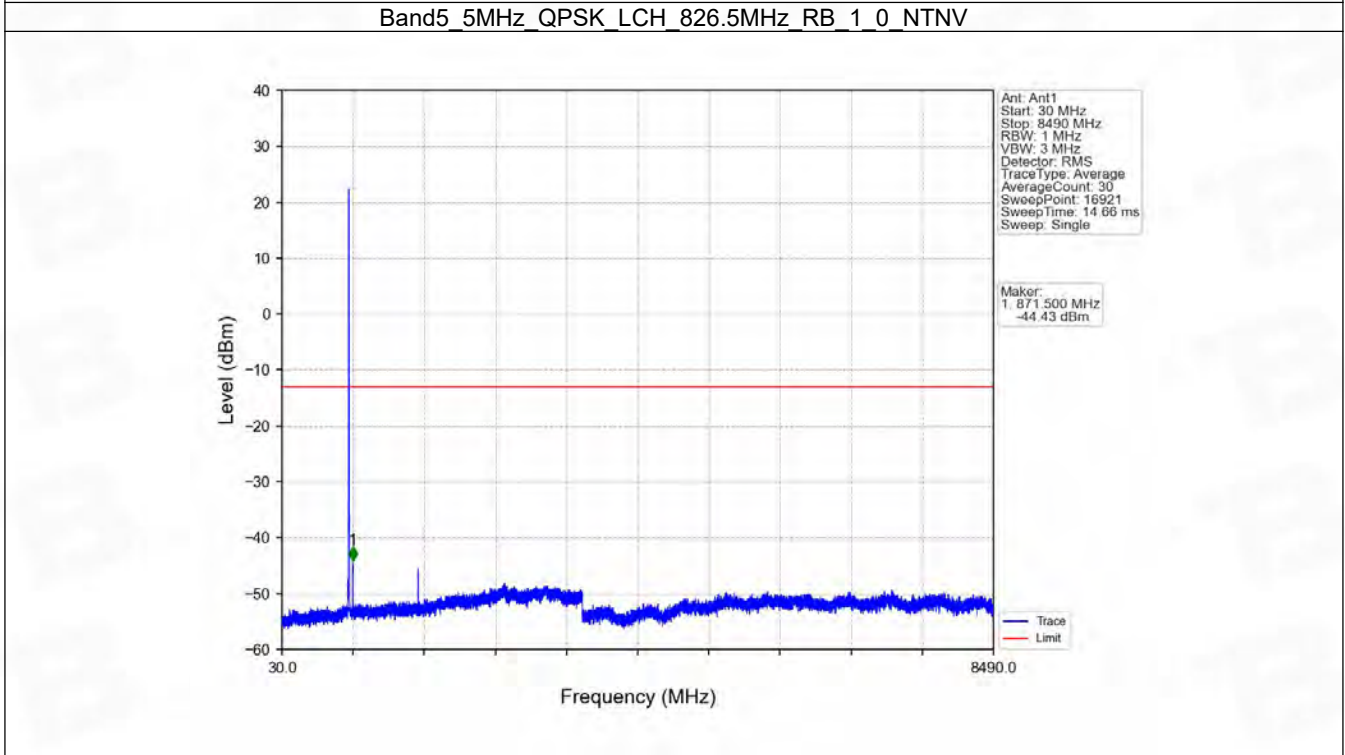
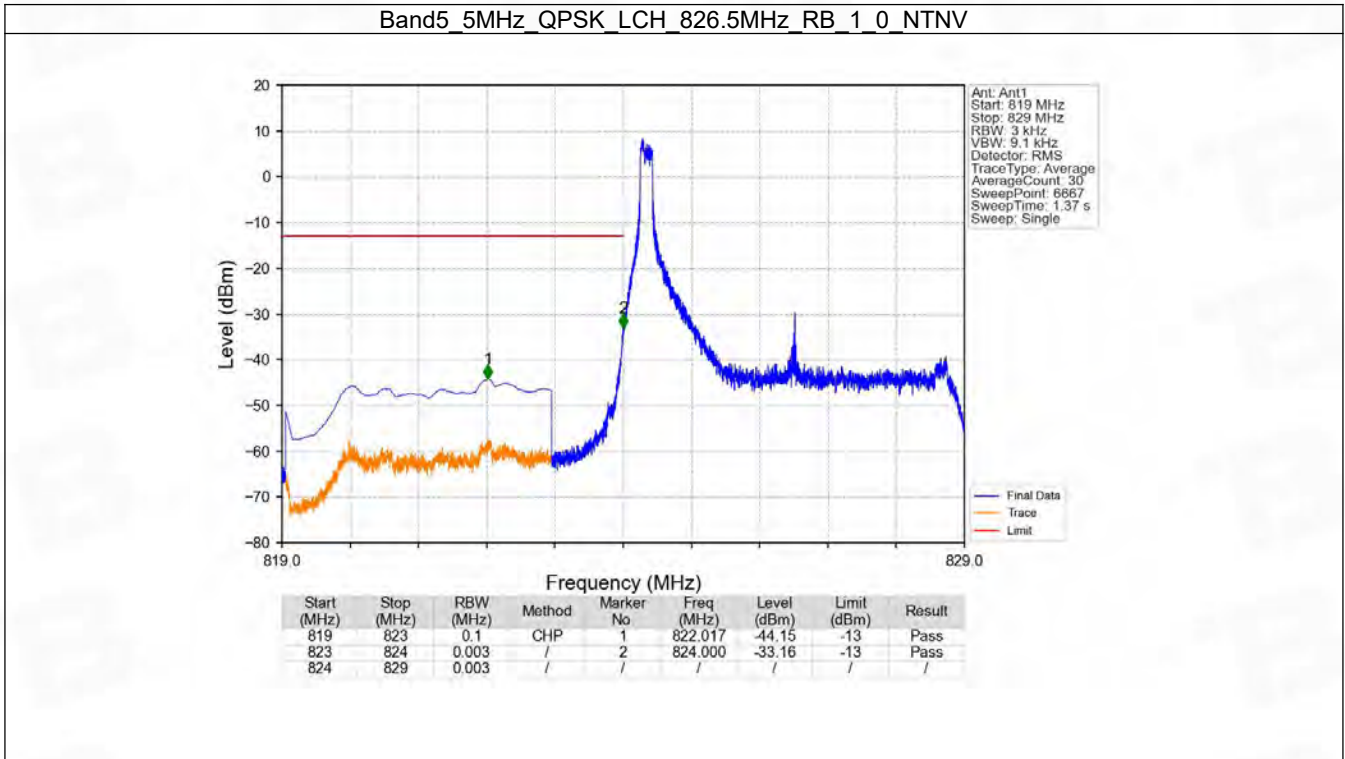


6.3 B5_5MHz

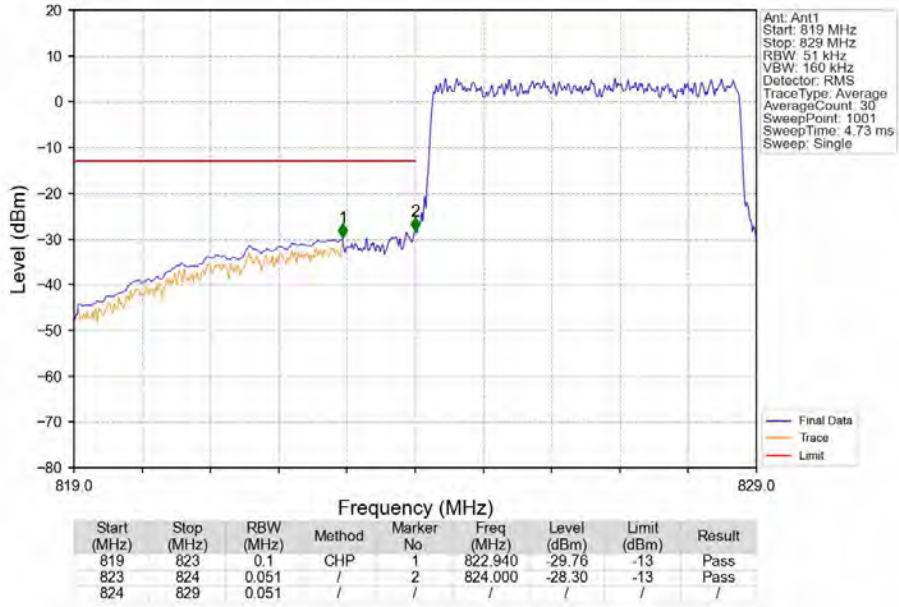
6.3.1 Test Result

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

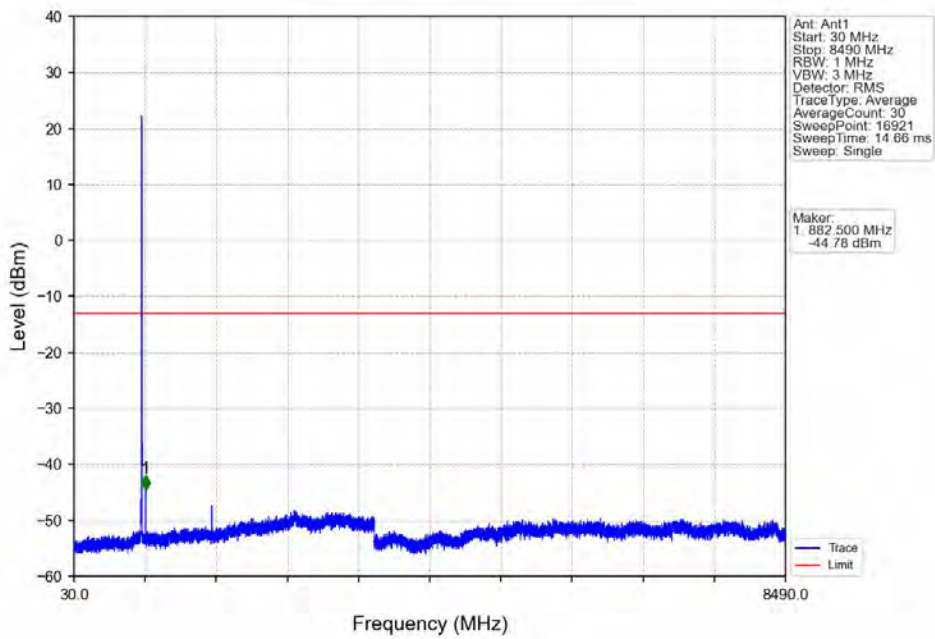
6.3.2 Test Graph



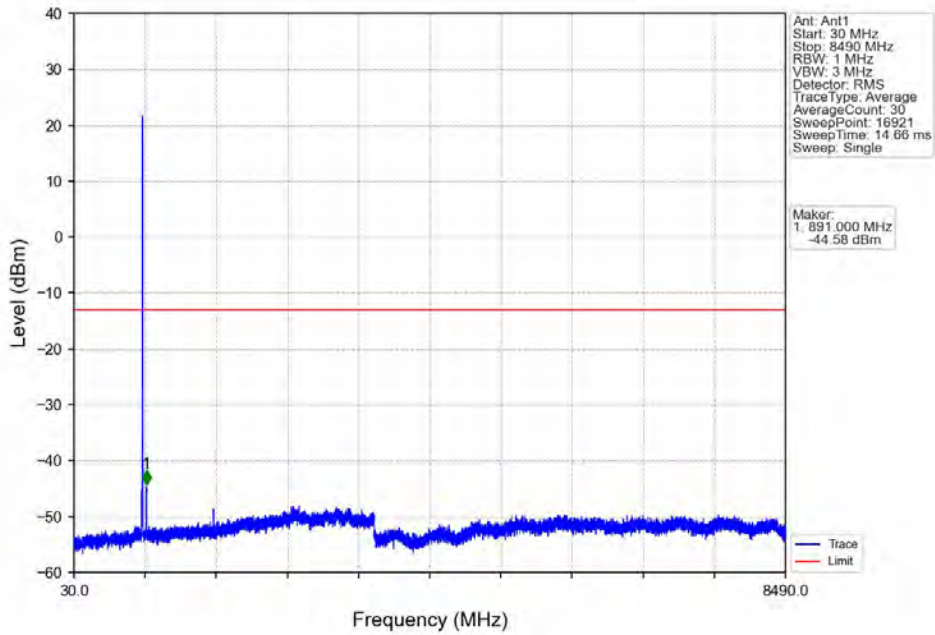
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



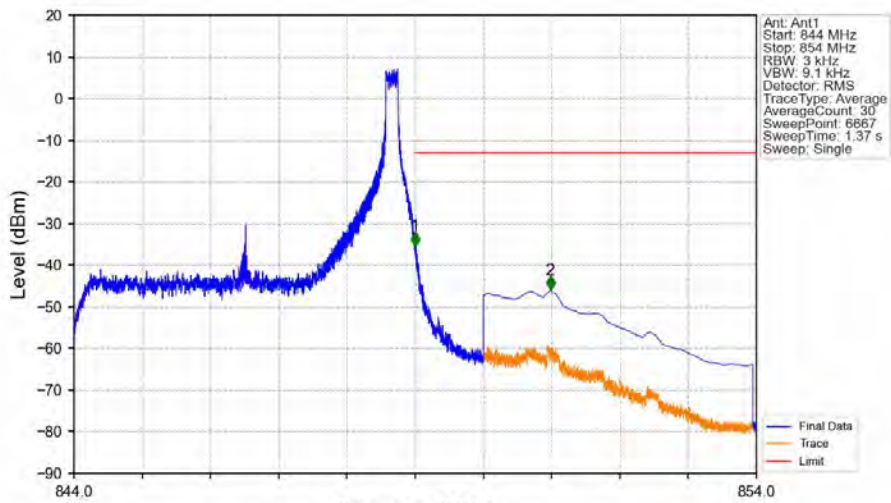
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

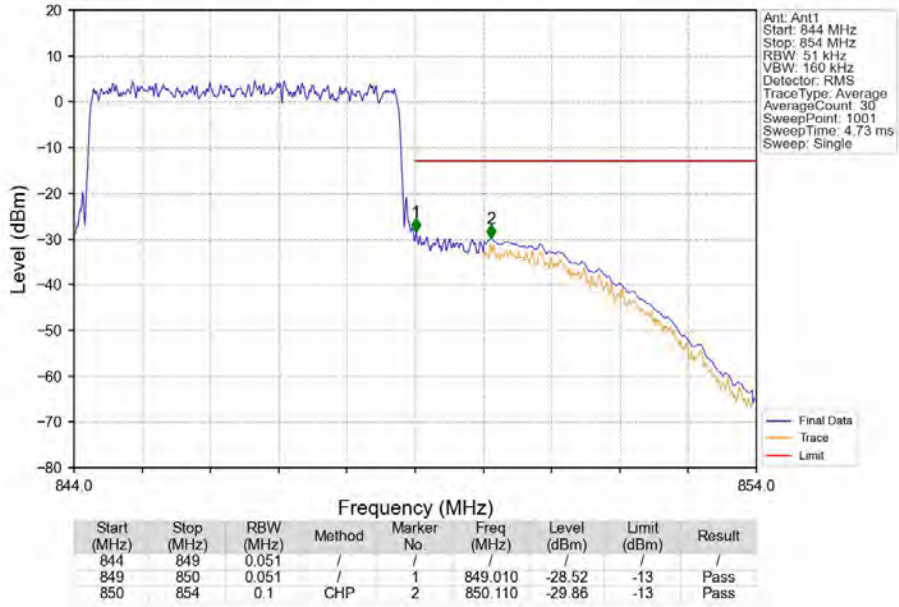


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV

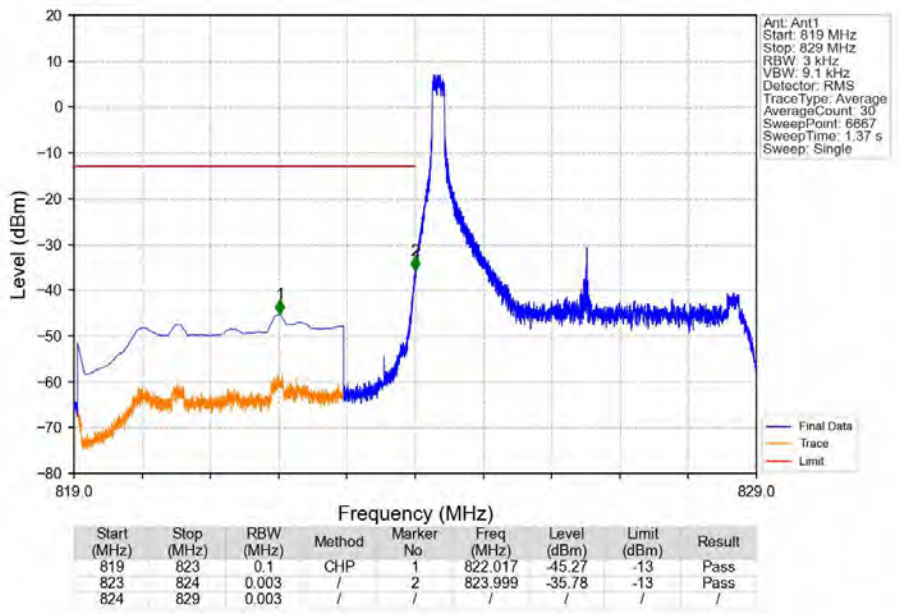


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	1	849.000	-35.42	-13	Pass
849	850	0.003	/	1	849.000	-35.42	-13	Pass
850	854	0.1	CHP	2	850.980	-46.05	-13	Pass

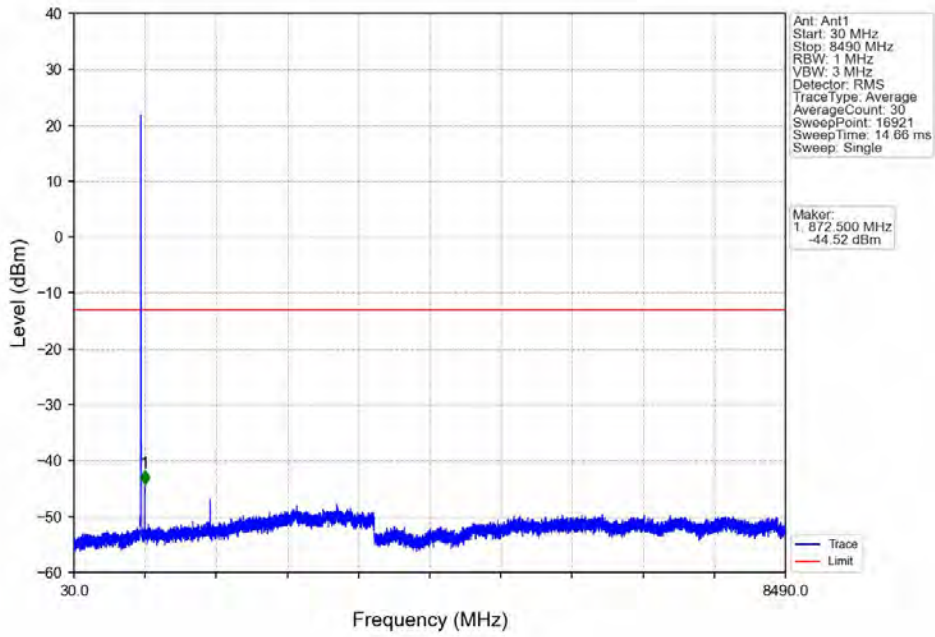
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



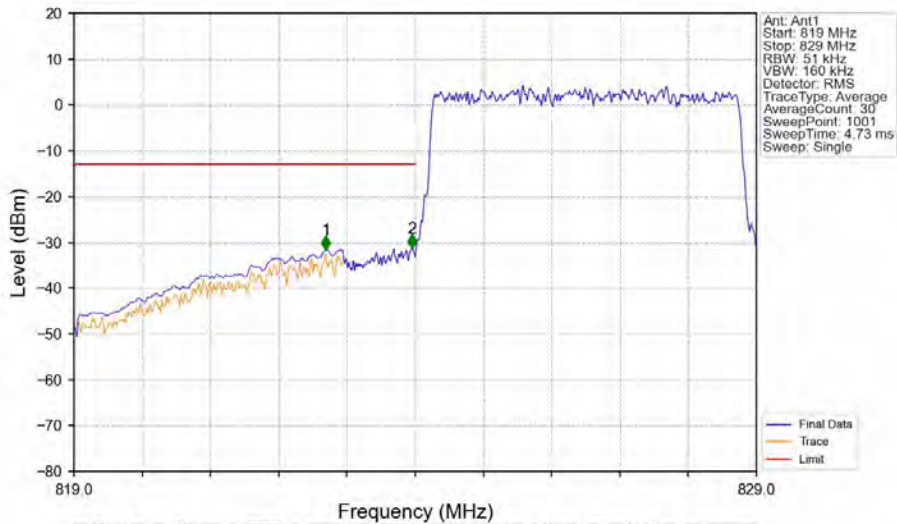
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

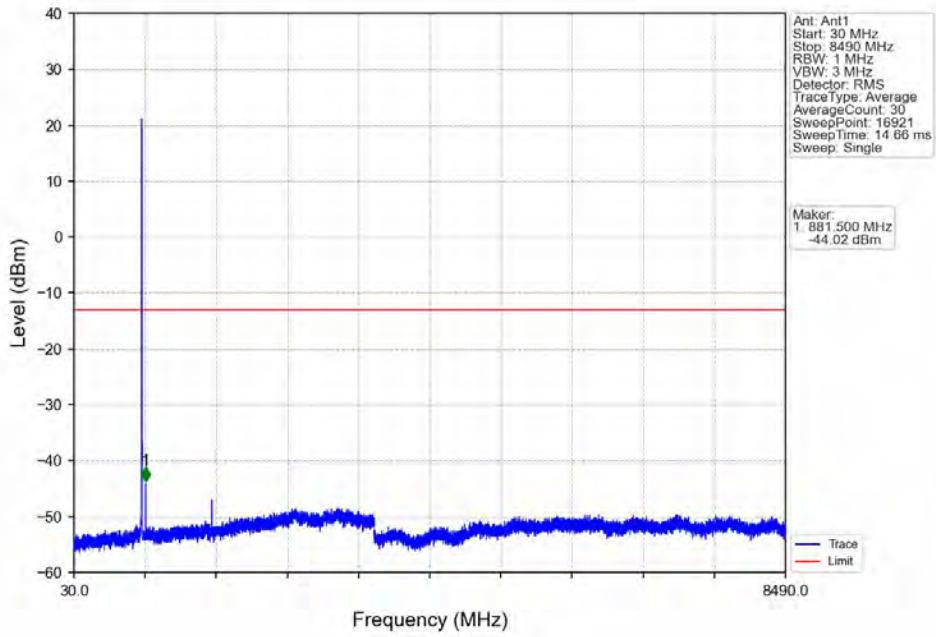


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

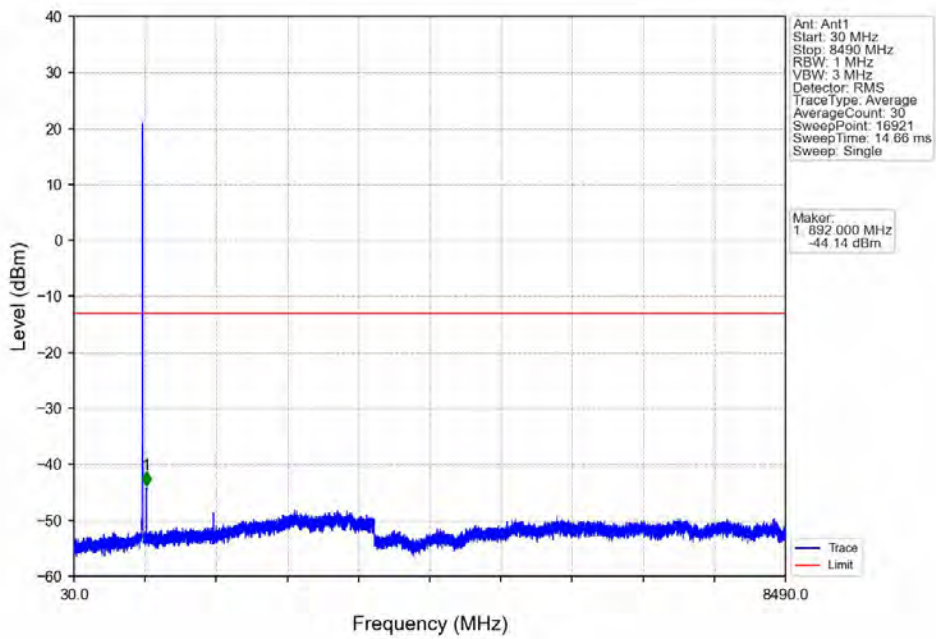


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.690	-31.64	-13	Pass
823	824	0.051	/	2	823.950	-31.32	-13	Pass
824	829	0.051	/	/	/	/	/	/

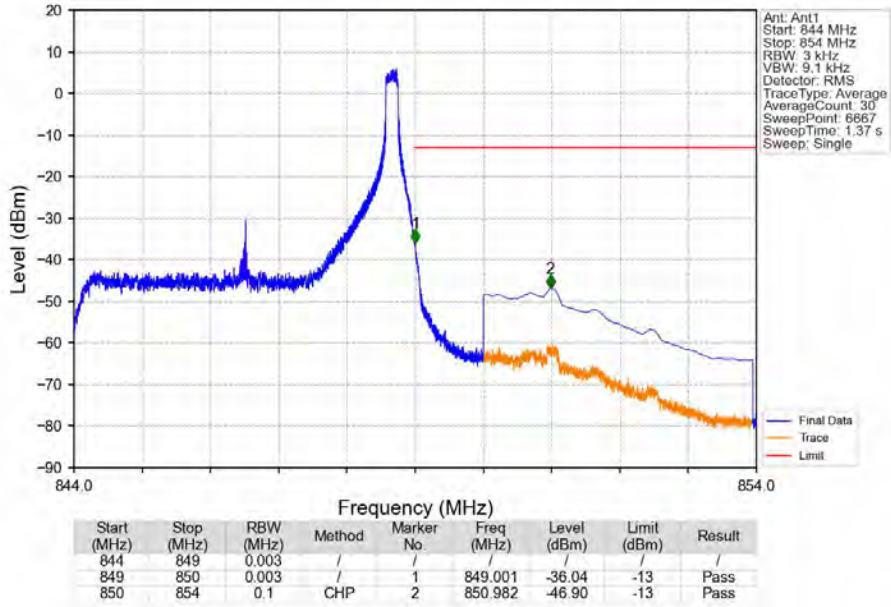
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



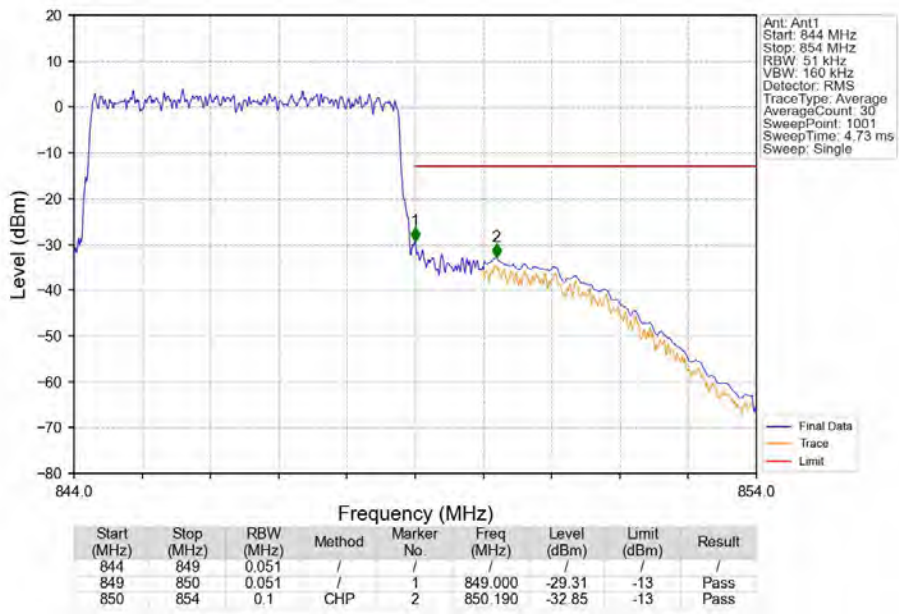
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

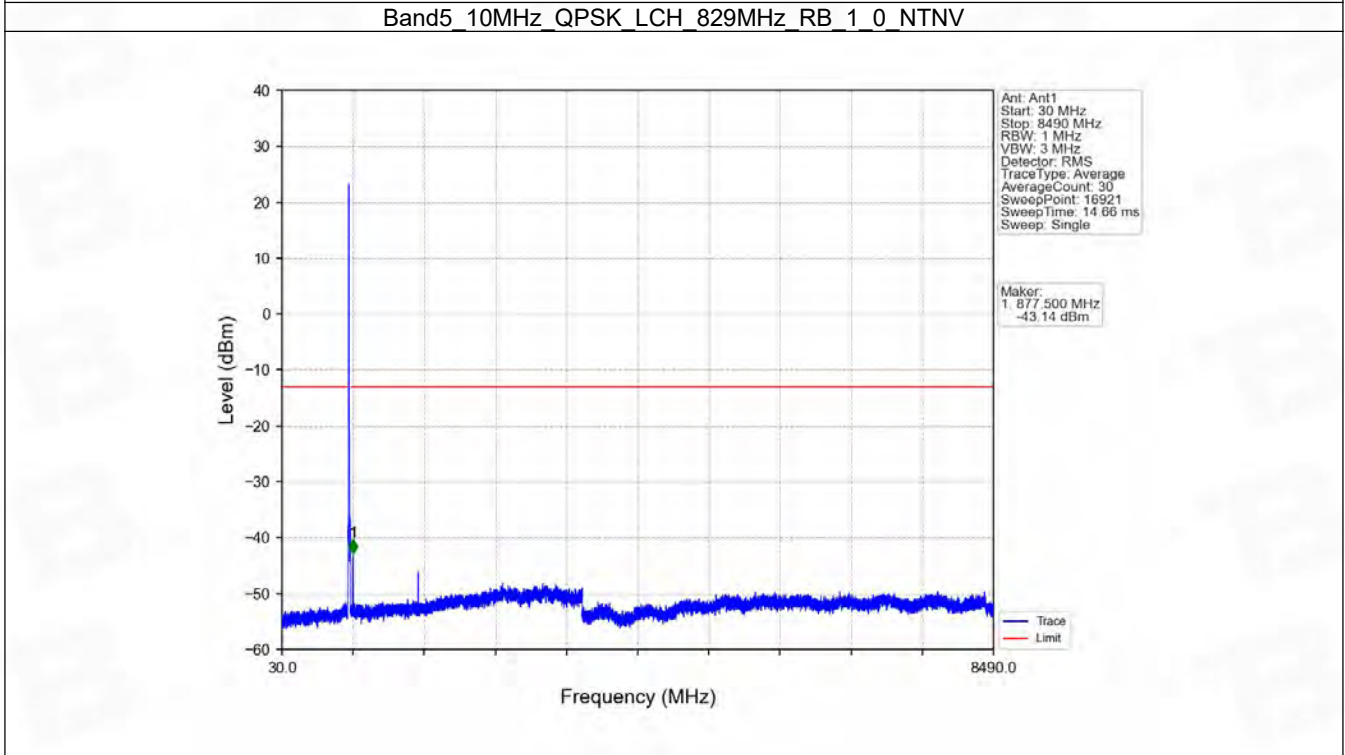
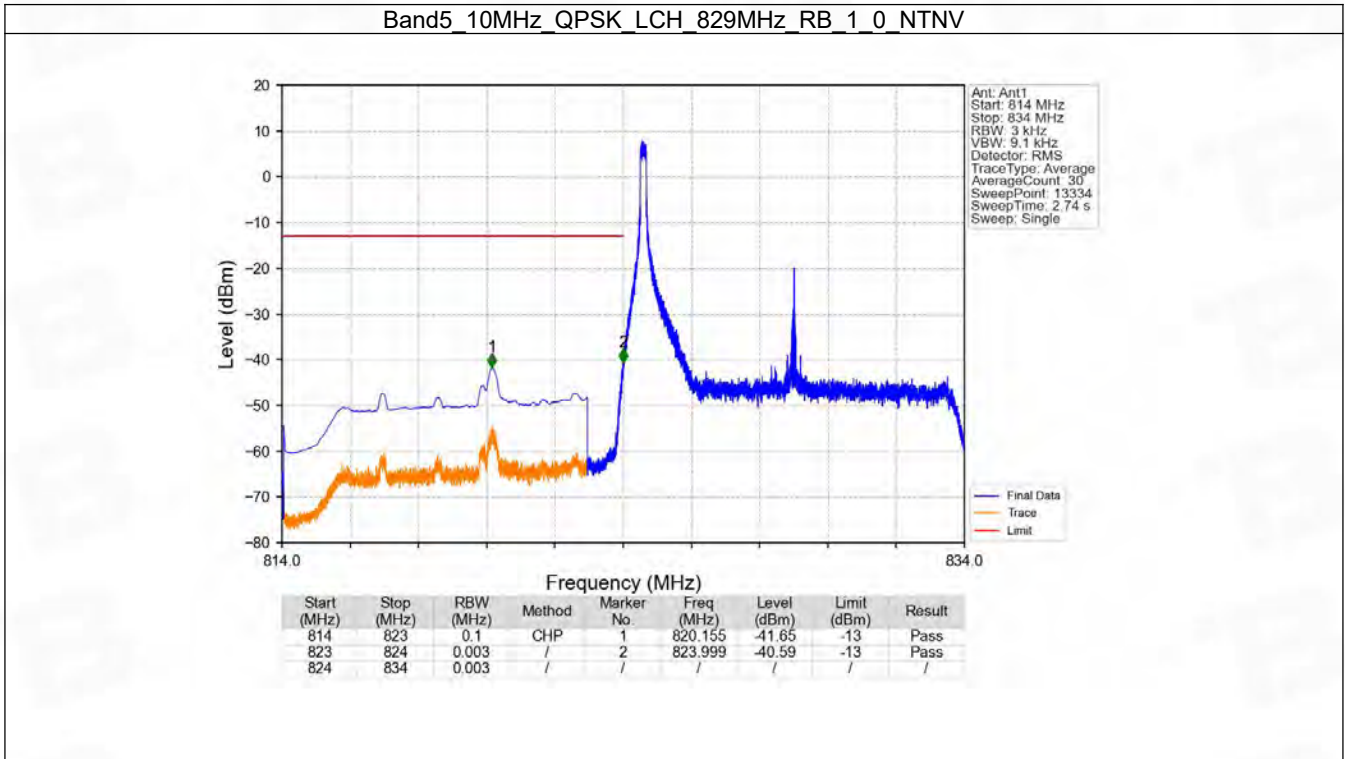


6.4 B5_10MHz

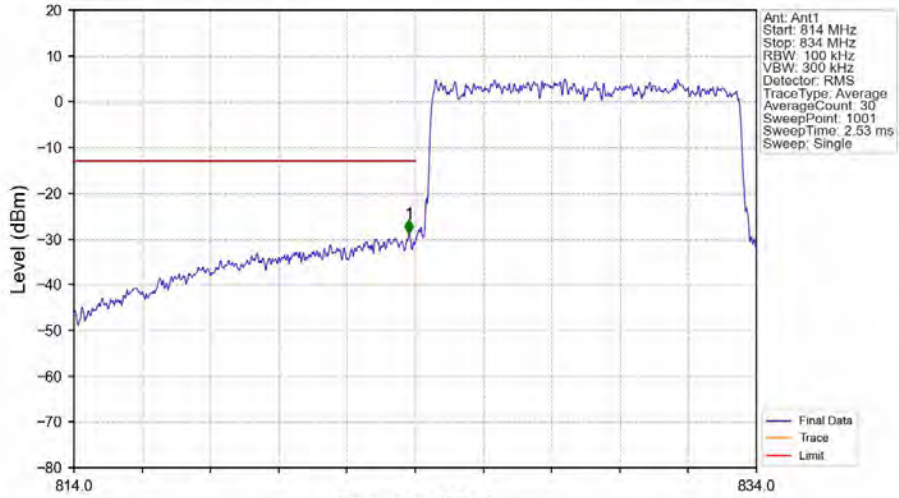
6.4.1 Test Result

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
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.4.2 Test Graph

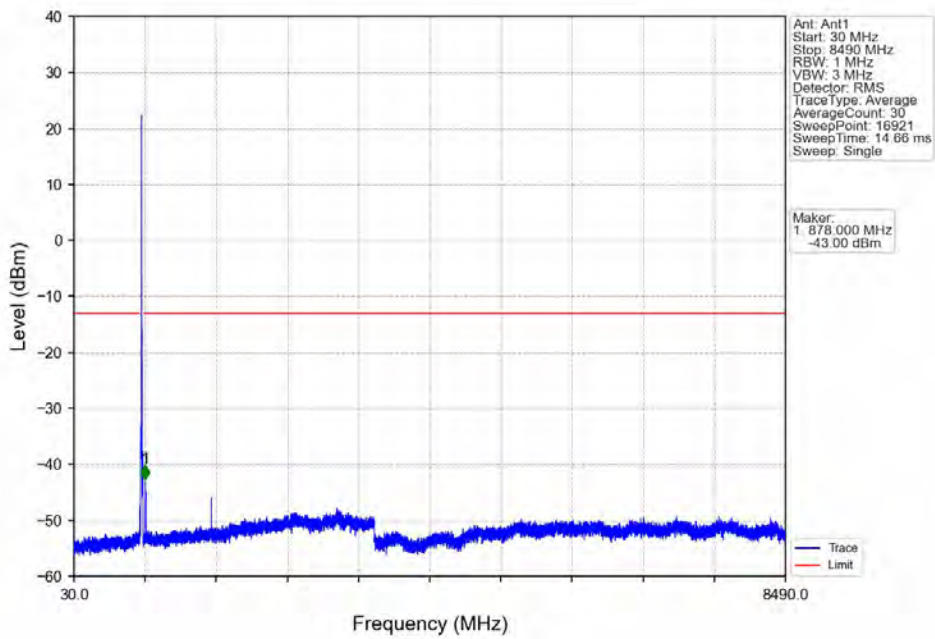


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

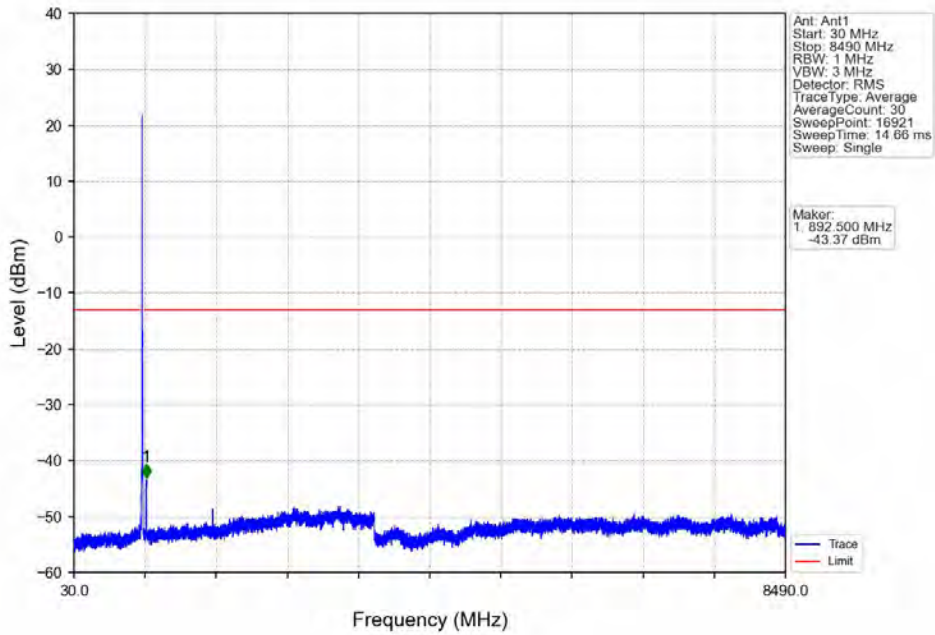


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	823.820	-28.82	-13	Pass
824	834	0.1	/	/	/	/	/	/

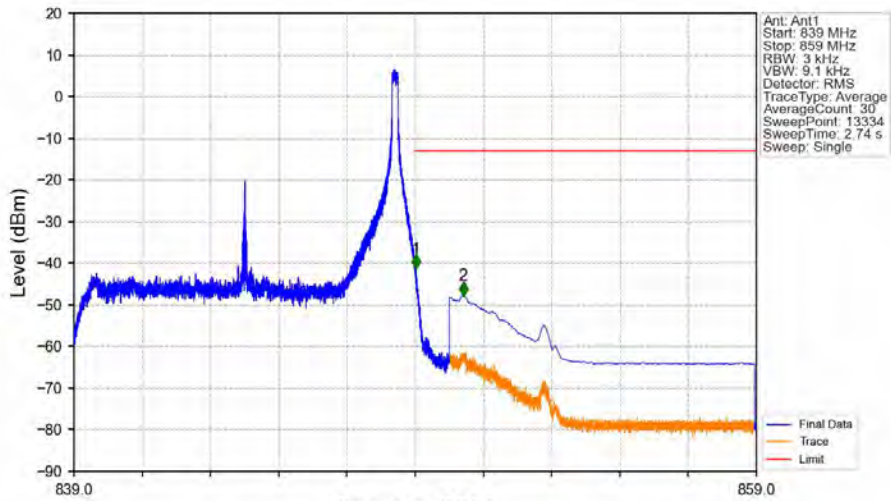
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV

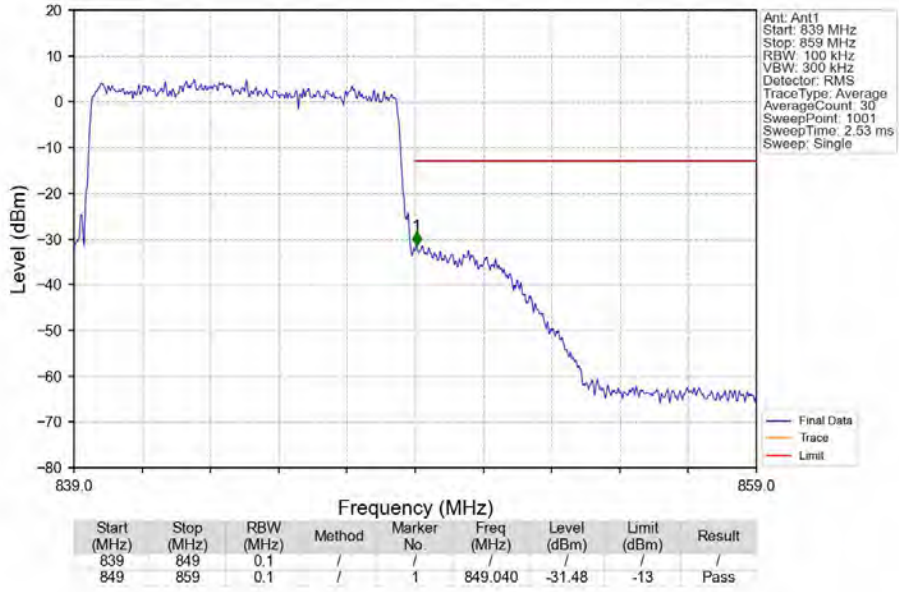


Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV

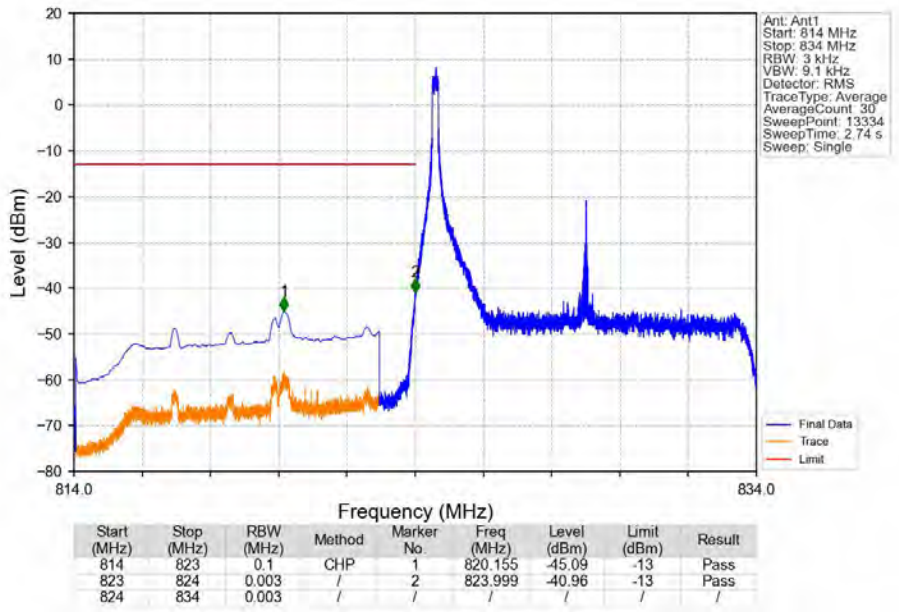


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	1	849.014	-41.26	-13	Pass
849	850	0.003	/	1	849.014	-41.26	-13	Pass
850	859	0.1	CHP	2	850.409	-47.83	-13	Pass

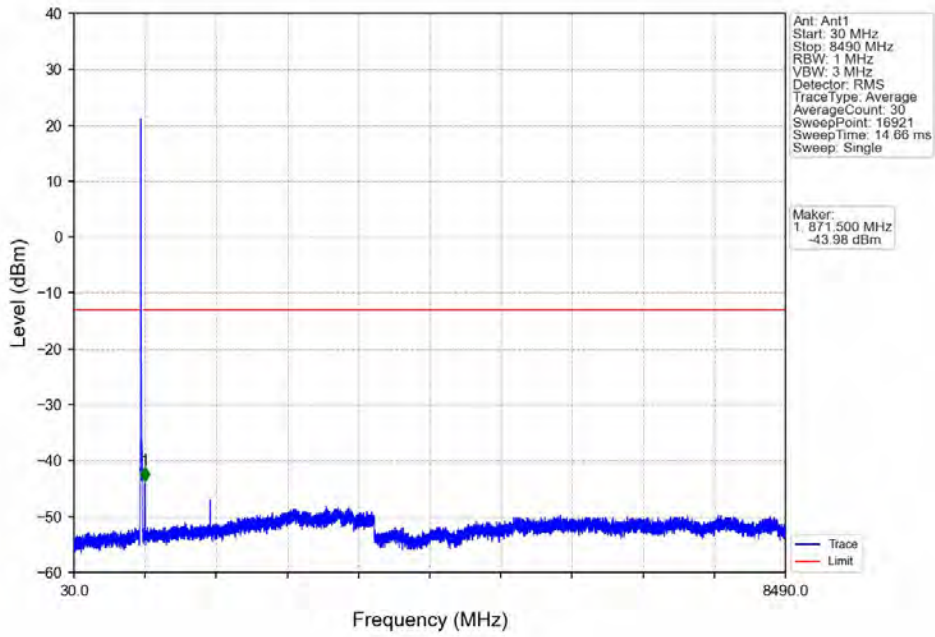
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



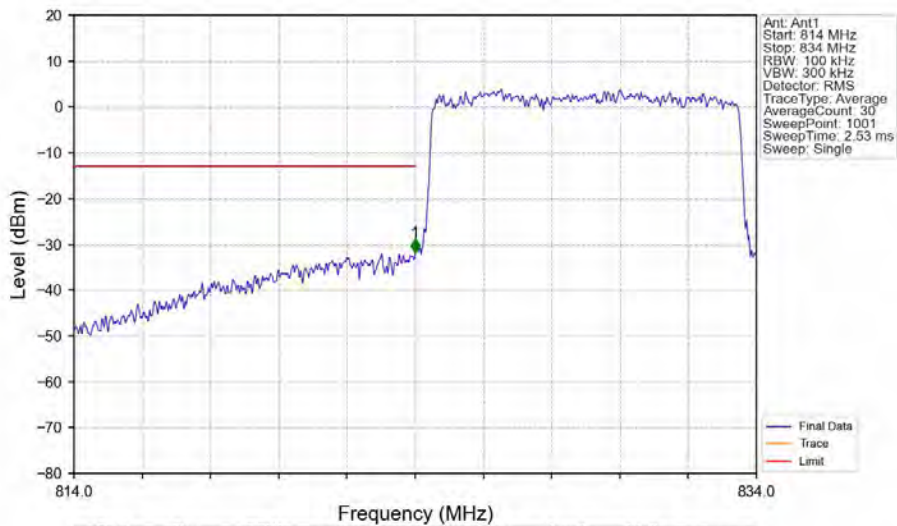
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

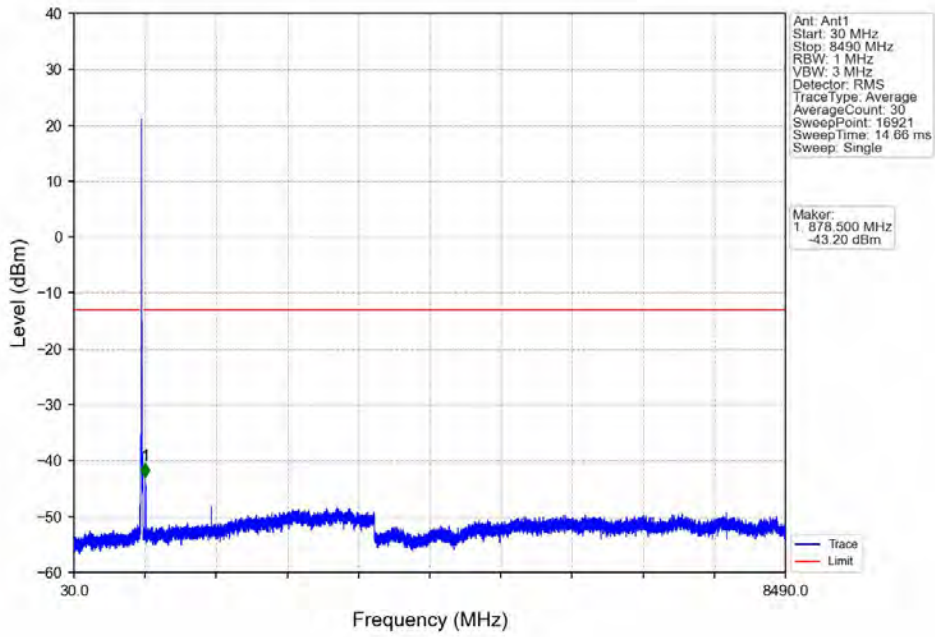


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

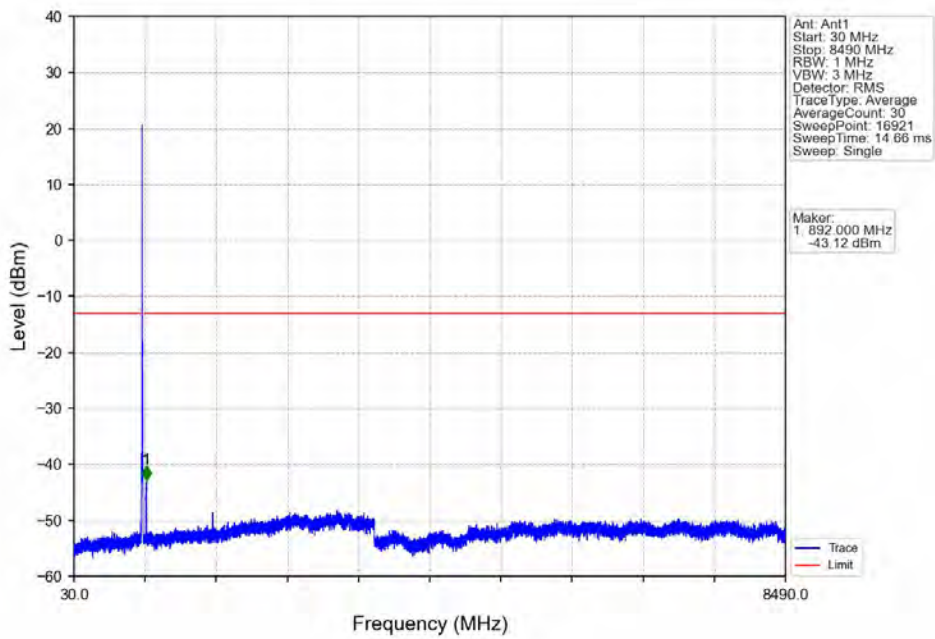


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.1	/	1	824.000	-31.93	-13	Pass
824	834	0.1	/	/	/	/	/	/

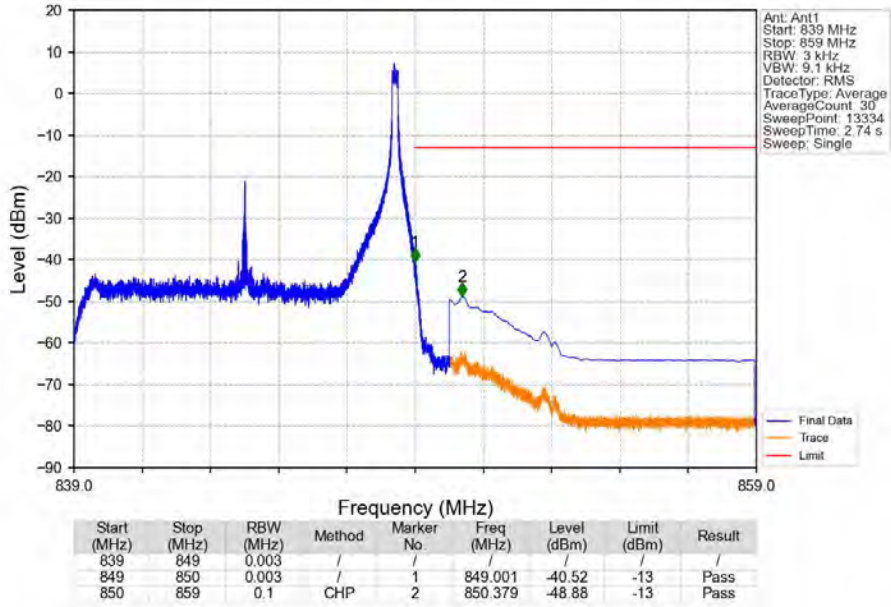
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



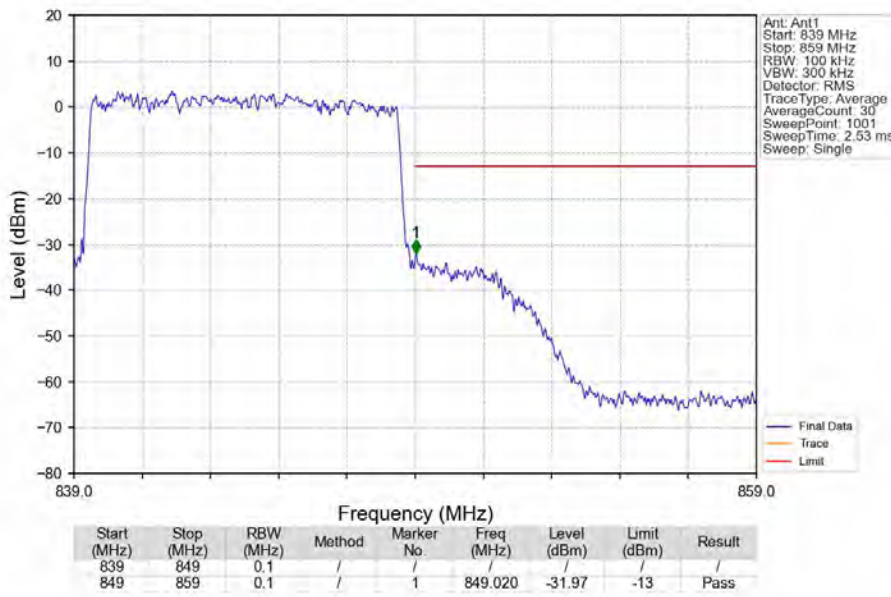
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



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



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



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	0.2344	0.0104	ppm	1M12G7D	22H	23.70
5	1.4	824.7	848.3	0.1901	0.0075	ppm	1M12W7D	22H	22.79
5	3	825.5	847.5	0.2323	0.0065	ppm	2M74G7D	22H	23.66
5	3	825.5	847.5	0.1991	0.0066	ppm	2M73W7D	22H	22.99
5	5	826.5	846.5	0.2415	0.0072	ppm	4M56G7D	22H	23.83
5	5	826.5	846.5	0.1991	0.0083	ppm	4M56W7D	22H	22.99
5	10	829	844	0.2455	0.0061	ppm	9M06G7D	22H	23.90
5	10	829	844	0.2061	0.0063	ppm	9M05W7D	22H	23.14

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	0.0610	0.0104	ppm	1M12G7D	22H	17.85
5	1.4	824.7	848.3	0.0494	0.0075	ppm	1M12W7D	22H	16.94
5	3	825.5	847.5	0.0604	0.0065	ppm	2M74G7D	22H	17.81
5	3	825.5	847.5	0.0518	0.0066	ppm	2M73W7D	22H	17.14
5	5	826.5	846.5	0.0628	0.0072	ppm	4M56G7D	22H	17.98
5	5	826.5	846.5	0.0518	0.0083	ppm	4M56W7D	22H	17.14
5	10	829	844	0.0638	0.0061	ppm	9M06G7D	22H	18.05
5	10	829	844	0.0536	0.0063	ppm	9M05W7D	22H	17.29