

1. Effective (Isotropic) Radiated Power Output Data

1.1 B5_1.4MHz_ERP

1.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	22.65	0.62	21.12	<=38.45	Pass
			2	22.78	0.62	21.25	<=38.45	Pass
			5	22.62	0.62	21.09	<=38.45	Pass
		3	0	22.70	0.62	21.17	<=38.45	Pass
			2	22.77	0.62	21.24	<=38.45	Pass
			3	22.76	0.62	21.23	<=38.45	Pass
		6	0	21.75	0.62	20.22	<=38.45	Pass
	836.5	1	0	22.67	0.62	21.14	<=38.45	Pass
			2	22.77	0.62	21.24	<=38.45	Pass
			5	22.60	0.62	21.07	<=38.45	Pass
		3	0	22.76	0.62	21.23	<=38.45	Pass
			2	22.75	0.62	21.22	<=38.45	Pass
		3	22.72	0.62	21.19	<=38.45	Pass	
	6	0	21.75	0.62	20.22	<=38.45	Pass	
	848.3	1	0	22.58	0.62	21.05	<=38.45	Pass
			2	22.68	0.62	21.15	<=38.45	Pass
			5	22.53	0.62	21.00	<=38.45	Pass
		3	0	22.70	0.62	21.17	<=38.45	Pass
			2	22.65	0.62	21.12	<=38.45	Pass
			3	22.26	0.62	20.73	<=38.45	Pass
		6	0	21.31	0.62	19.78	<=38.45	Pass
16QAM	824.7	1	0	21.73	0.62	20.20	<=38.45	Pass
			2	21.87	0.62	20.34	<=38.45	Pass
			5	21.78	0.62	20.25	<=38.45	Pass
		3	0	21.67	0.62	20.14	<=38.45	Pass
			2	21.72	0.62	20.19	<=38.45	Pass
			3	21.70	0.62	20.17	<=38.45	Pass
		6	0	20.73	0.62	19.20	<=38.45	Pass
	836.5	1	0	21.82	0.62	20.29	<=38.45	Pass
			2	21.93	0.62	20.40	<=38.45	Pass
			5	21.79	0.62	20.26	<=38.45	Pass
		3	0	21.70	0.62	20.17	<=38.45	Pass
			2	21.76	0.62	20.23	<=38.45	Pass
		3	21.72	0.62	20.19	<=38.45	Pass	
	6	0	20.75	0.62	19.22	<=38.45	Pass	
	848.3	1	0	21.35	0.62	19.82	<=38.45	Pass
			2	21.27	0.62	19.74	<=38.45	Pass
			5	21.08	0.62	19.55	<=38.45	Pass
		3	0	21.43	0.62	19.90	<=38.45	Pass
2			21.46	0.62	19.93	<=38.45	Pass	
3		21.36	0.62	19.83	<=38.45	Pass		
6		0	20.15	0.62	18.62	<=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	22.68	0.62	21.15	<=38.45	Pass	
			7	22.87	0.62	21.34	<=38.45	Pass	
			14	22.74	0.62	21.21	<=38.45	Pass	
		8	0	21.69	0.62	20.16	<=38.45	Pass	
			4	21.70	0.62	20.17	<=38.45	Pass	
			7	21.76	0.62	20.23	<=38.45	Pass	
		15	0	21.66	0.62	20.13	<=38.45	Pass	
		836.5	1	0	22.53	0.62	21.00	<=38.45	Pass
				7	22.44	0.62	20.91	<=38.45	Pass
	14			22.16	0.62	20.63	<=38.45	Pass	
	8		0	21.29	0.62	19.76	<=38.45	Pass	
			4	21.38	0.62	19.85	<=38.45	Pass	
			7	21.26	0.62	19.73	<=38.45	Pass	
	15	0	21.20	0.62	19.67	<=38.45	Pass		
	847.5	1	0	22.29	0.62	20.76	<=38.45	Pass	
			7	22.33	0.62	20.80	<=38.45	Pass	
			14	22.11	0.62	20.58	<=38.45	Pass	
		8	0	21.20	0.62	19.67	<=38.45	Pass	
			4	21.20	0.62	19.67	<=38.45	Pass	
			7	21.14	0.62	19.61	<=38.45	Pass	
		15	0	21.16	0.62	19.63	<=38.45	Pass	
16QAM		825.5	1	0	21.70	0.62	20.17	<=38.45	Pass
				7	21.87	0.62	20.34	<=38.45	Pass
	14			21.64	0.62	20.11	<=38.45	Pass	
	8		0	20.62	0.62	19.09	<=38.45	Pass	
			4	20.55	0.62	19.02	<=38.45	Pass	
			7	20.62	0.62	19.09	<=38.45	Pass	
	15		0	20.61	0.62	19.08	<=38.45	Pass	
	836.5		1	0	21.38	0.62	19.85	<=38.45	Pass
				7	21.51	0.62	19.98	<=38.45	Pass
		14		21.34	0.62	19.81	<=38.45	Pass	
		8	0	20.19	0.62	18.66	<=38.45	Pass	
			4	20.31	0.62	18.78	<=38.45	Pass	
			7	20.20	0.62	18.67	<=38.45	Pass	
	15	0	20.20	0.62	18.67	<=38.45	Pass		
	847.5	1	0	21.72	0.62	20.19	<=38.45	Pass	
			7	21.93	0.62	20.40	<=38.45	Pass	
			14	21.60	0.62	20.07	<=38.45	Pass	
		8	0	20.37	0.62	18.84	<=38.45	Pass	
			4	20.36	0.62	18.83	<=38.45	Pass	
			7	20.31	0.62	18.78	<=38.45	Pass	
		15	0	20.24	0.62	18.71	<=38.45	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.3 B5_5MHz_ERP

1.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	22.57	0.62	21.04	<=38.45	Pass
			13	22.75	0.62	21.22	<=38.45	Pass
			24	22.60	0.62	21.07	<=38.45	Pass

		12	0	21.63	0.62	20.10	<=38.45	Pass		
			6	21.48	0.62	19.95	<=38.45	Pass		
			13	21.34	0.62	19.81	<=38.45	Pass		
		25	0	21.26	0.62	19.73	<=38.45	Pass		
			836.5	1	0	22.41	0.62	20.88	<=38.45	Pass
					13	22.29	0.62	20.76	<=38.45	Pass
		24			22.17	0.62	20.64	<=38.45	Pass	
		12		0	21.17	0.62	19.64	<=38.45	Pass	
				6	21.22	0.62	19.69	<=38.45	Pass	
				13	21.16	0.62	19.63	<=38.45	Pass	
		25	0	21.22	0.62	19.69	<=38.45	Pass		
		846.5	1	0	22.20	0.62	20.67	<=38.45	Pass	
	13			22.27	0.62	20.74	<=38.45	Pass		
	24			22.07	0.62	20.54	<=38.45	Pass		
	12		0	21.22	0.62	19.69	<=38.45	Pass		
			6	21.26	0.62	19.73	<=38.45	Pass		
			13	21.15	0.62	19.62	<=38.45	Pass		
	25		0	21.19	0.62	19.66	<=38.45	Pass		
	16QAM		826.5	1	0	21.24	0.62	19.71	<=38.45	Pass
					13	21.42	0.62	19.89	<=38.45	Pass
		24			21.20	0.62	19.67	<=38.45	Pass	
		12		0	20.12	0.62	18.59	<=38.45	Pass	
				6	20.21	0.62	18.68	<=38.45	Pass	
				13	20.34	0.62	18.81	<=38.45	Pass	
25		0		20.18	0.62	18.65	<=38.45	Pass		
836.5		1		0	21.41	0.62	19.88	<=38.45	Pass	
				13	21.52	0.62	19.99	<=38.45	Pass	
			24	21.38	0.62	19.85	<=38.45	Pass		
		12	0	20.22	0.62	18.69	<=38.45	Pass		
			6	20.34	0.62	18.81	<=38.45	Pass		
			13	20.22	0.62	18.69	<=38.45	Pass		
		25	0	20.22	0.62	18.69	<=38.45	Pass		
846.5		1	0	20.93	0.62	19.40	<=38.45	Pass		
			13	21.10	0.62	19.57	<=38.45	Pass		
			24	20.93	0.62	19.40	<=38.45	Pass		
		12	0	20.16	0.62	18.63	<=38.45	Pass		
			6	20.24	0.62	18.71	<=38.45	Pass		
			13	20.16	0.62	18.63	<=38.45	Pass		
		25	0	20.18	0.62	18.65	<=38.45	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15										

1.4 B5_10MHz_ERP

1.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	22.72	0.62	21.19	<=38.45	Pass
			25	22.89	0.62	21.36	<=38.45	Pass
			49	22.76	0.62	21.23	<=38.45	Pass
		25	0	21.71	0.62	20.18	<=38.45	Pass
			13	21.78	0.62	20.25	<=38.45	Pass
			25	21.79	0.62	20.26	<=38.45	Pass
		50	0	21.75	0.62	20.22	<=38.45	Pass
	836.5	1	0	22.65	0.62	21.12	<=38.45	Pass
			25	22.80	0.62	21.27	<=38.45	Pass

		25	49	22.68	0.62	21.15	<=38.45	Pass		
			0	21.73	0.62	20.20	<=38.45	Pass		
			13	21.74	0.62	20.21	<=38.45	Pass		
			25	21.78	0.62	20.25	<=38.45	Pass		
		50	0	21.80	0.62	20.27	<=38.45	Pass		
	844	1	0	22.68	0.62	21.15	<=38.45	Pass		
			25	22.81	0.62	21.28	<=38.45	Pass		
			49	22.60	0.62	21.07	<=38.45	Pass		
		25	0	21.67	0.62	20.14	<=38.45	Pass		
			13	21.72	0.62	20.19	<=38.45	Pass		
			25	21.67	0.62	20.14	<=38.45	Pass		
		50	0	21.72	0.62	20.19	<=38.45	Pass		
		16QAM	829	1	0	21.67	0.62	20.14	<=38.45	Pass
					25	21.89	0.62	20.36	<=38.45	Pass
49	21.70				0.62	20.17	<=38.45	Pass		
25	0			20.79	0.62	19.26	<=38.45	Pass		
	13			20.82	0.62	19.29	<=38.45	Pass		
	25			20.83	0.62	19.30	<=38.45	Pass		
50	0			20.73	0.62	19.20	<=38.45	Pass		
836.5	1		0	21.80	0.62	20.27	<=38.45	Pass		
			25	22.00	0.62	20.47	<=38.45	Pass		
			49	21.85	0.62	20.32	<=38.45	Pass		
	25		0	20.78	0.62	19.25	<=38.45	Pass		
			13	20.77	0.62	19.24	<=38.45	Pass		
			25	20.81	0.62	19.28	<=38.45	Pass		
50	0	20.80	0.62	19.27	<=38.45	Pass				
844	1	0	22.22	0.62	20.69	<=38.45	Pass			
		25	22.28	0.62	20.75	<=38.45	Pass			
		49	22.11	0.62	20.58	<=38.45	Pass			
	25	0	20.67	0.62	19.14	<=38.45	Pass			
		13	20.75	0.62	19.22	<=38.45	Pass			
		25	20.68	0.62	19.15	<=38.45	Pass			
	50	0	20.70	0.62	19.17	<=38.45	Pass			
Note1: ERP=Conducted Power+Antenna Gain-2.15										

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B5_1.4MHz

2.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	1.502	0.0018	-2.5 to 2.5	Pass
					3.85	0.672	0.0008	-2.5 to 2.5	Pass
					4.43	10.343	0.0125	-2.5 to 2.5	Pass
				-30	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-8.526	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	5.007	0.0061	-2.5 to 2.5	Pass
				0	3.85	6.909	0.0084	-2.5 to 2.5	Pass
				10	3.85	2.933	0.0036	-2.5 to 2.5	Pass
				30	3.85	-5.407	-0.0066	-2.5 to 2.5	Pass
				40	3.85	7.324	0.0089	-2.5 to 2.5	Pass
				50	3.85	-7.925	-0.0096	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	2.604	0.0031	-2.5 to 2.5	Pass

					3.85	5.422	0.0065	-2.5 to 2.5	Pass
					4.43	4.449	0.0053	-2.5 to 2.5	Pass
				-30	3.85	-31.772	-0.0380	-2.5 to 2.5	Pass
				-20	3.85	7.925	0.0095	-2.5 to 2.5	Pass
				-10	3.85	-1.431	-0.0017	-2.5 to 2.5	Pass
				0	3.85	2.317	0.0028	-2.5 to 2.5	Pass
				10	3.85	-0.286	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.160	-0.0026	-2.5 to 2.5	Pass
				40	3.85	2.518	0.0030	-2.5 to 2.5	Pass
				50	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-0.086	-0.0001	-2.5 to 2.5	Pass
					3.85	-6.223	-0.0073	-2.5 to 2.5	Pass
					4.43	-2.060	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	1.488	0.0018	-2.5 to 2.5	Pass
				-20	3.85	11.044	0.0130	-2.5 to 2.5	Pass
				-10	3.85	1.774	0.0021	-2.5 to 2.5	Pass
				0	3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.917	0.0023	-2.5 to 2.5	Pass
				40	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				50	3.85	7.539	0.0089	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-2.675	-0.0032	-2.5 to 2.5	Pass
					3.85	1.287	0.0016	-2.5 to 2.5	Pass
					4.43	-5.035	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-12.460	-0.0151	-2.5 to 2.5	Pass
				-20	3.85	10.443	0.0127	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.460	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-1.688	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-4.091	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-1.717	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-2.646	-0.0032	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-3.176	-0.0038	-2.5 to 2.5	Pass
					3.85	1.631	0.0019	-2.5 to 2.5	Pass
					4.43	-2.217	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	0.944	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.446	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				0	3.85	6.709	0.0080	-2.5 to 2.5	Pass
				10	3.85	-1.144	-0.0014	-2.5 to 2.5	Pass
				30	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				50	3.85	1.588	0.0019	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-8.268	-0.0097	-2.5 to 2.5	Pass
					3.85	0.114	0.0001	-2.5 to 2.5	Pass
					4.43	-6.638	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-6.237	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-2.160	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-0.601	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.286	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.775	0.0033	-2.5 to 2.5	Pass
				30	3.85	-2.003	-0.0024	-2.5 to 2.5	Pass
				40	3.85	3.233	0.0038	-2.5 to 2.5	Pass
				50	3.85	2.432	0.0029	-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	4.478	0.0054	-2.5 to 2.5	Pass
					3.85	-7.968	-0.0097	-2.5 to 2.5	Pass
					4.43	1.330	0.0016	-2.5 to 2.5	Pass
				-30	3.85	1.731	0.0021	-2.5 to 2.5	Pass
				-20	3.85	5.965	0.0072	-2.5 to 2.5	Pass
				-10	3.85	1.903	0.0023	-2.5 to 2.5	Pass
				0	3.85	4.334	0.0053	-2.5 to 2.5	Pass
				10	3.85	3.490	0.0042	-2.5 to 2.5	Pass
				30	3.85	-9.785	-0.0119	-2.5 to 2.5	Pass
				40	3.85	6.437	0.0078	-2.5 to 2.5	Pass
				50	3.85	-3.991	-0.0048	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-0.286	-0.0003	-2.5 to 2.5	Pass
					3.85	6.981	0.0083	-2.5 to 2.5	Pass
					4.43	-3.548	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-3.219	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	4.649	0.0056	-2.5 to 2.5	Pass
				-10	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				0	3.85	4.077	0.0049	-2.5 to 2.5	Pass
				10	3.85	7.024	0.0084	-2.5 to 2.5	Pass
				30	3.85	5.164	0.0062	-2.5 to 2.5	Pass
				40	3.85	2.475	0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.091	-0.0049	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	4.992	0.0059	-2.5 to 2.5	Pass
					3.85	-1.130	-0.0013	-2.5 to 2.5	Pass
					4.43	10.672	0.0126	-2.5 to 2.5	Pass
				-30	3.85	0.944	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-5.007	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	8.311	0.0098	-2.5 to 2.5	Pass
				0	3.85	1.802	0.0021	-2.5 to 2.5	Pass
				10	3.85	0.715	0.0008	-2.5 to 2.5	Pass
				30	3.85	5.436	0.0064	-2.5 to 2.5	Pass
				40	3.85	10.743	0.0127	-2.5 to 2.5	Pass
				50	3.85	-8.783	-0.0104	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	1.502	0.0018	-2.5 to 2.5	Pass
					3.85	3.262	0.0040	-2.5 to 2.5	Pass
					4.43	0.386	0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.289	0.0028	-2.5 to 2.5	Pass
				-20	3.85	0.873	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-10.457	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-9.999	-0.0121	-2.5 to 2.5	Pass
				30	3.85	1.516	0.0018	-2.5 to 2.5	Pass
				40	3.85	3.304	0.0040	-2.5 to 2.5	Pass
				50	3.85	-0.801	-0.0010	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-2.046	-0.0024	-2.5 to 2.5	Pass
					3.85	4.106	0.0049	-2.5 to 2.5	Pass
					4.43	-0.601	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	8.740	0.0104	-2.5 to 2.5	Pass
				-20	3.85	3.319	0.0040	-2.5 to 2.5	Pass
				-10	3.85	5.536	0.0066	-2.5 to 2.5	Pass
				0	3.85	6.638	0.0079	-2.5 to 2.5	Pass
				10	3.85	1.445	0.0017	-2.5 to 2.5	Pass
				30	3.85	5.593	0.0067	-2.5 to 2.5	Pass
				40	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass

	847.5	15	0	50	3.85	-5.264	-0.0063	-2.5 to 2.5	Pass
				20	3.27	6.709	0.0079	-2.5 to 2.5	Pass
					3.85	2.332	0.0028	-2.5 to 2.5	Pass
					4.43	-5.808	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	1.259	0.0015	-2.5 to 2.5	Pass
				-20	3.85	5.322	0.0063	-2.5 to 2.5	Pass
				-10	3.85	-2.875	-0.0034	-2.5 to 2.5	Pass
				0	3.85	0.744	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.717	0.0020	-2.5 to 2.5	Pass
				30	3.85	1.502	0.0018	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.730	0.0009	-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	-0.386	-0.0005	-2.5 to 2.5	Pass
					3.85	5.164	0.0062	-2.5 to 2.5	Pass
					4.43	1.631	0.0020	-2.5 to 2.5	Pass
				-30	3.85	2.046	0.0025	-2.5 to 2.5	Pass
				-20	3.85	3.233	0.0039	-2.5 to 2.5	Pass
				-10	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
				0	3.85	0.644	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.702	0.0021	-2.5 to 2.5	Pass
				30	3.85	1.645	0.0020	-2.5 to 2.5	Pass
				40	3.85	-5.379	-0.0065	-2.5 to 2.5	Pass
	836.5	25	0	50	3.85	0.358	0.0004	-2.5 to 2.5	Pass
				20	3.27	3.662	0.0044	-2.5 to 2.5	Pass
					3.85	-1.445	-0.0017	-2.5 to 2.5	Pass
					4.43	2.332	0.0028	-2.5 to 2.5	Pass
				-30	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.202	0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.101	-0.0013	-2.5 to 2.5	Pass
				10	3.85	2.589	0.0031	-2.5 to 2.5	Pass
				30	3.85	1.745	0.0021	-2.5 to 2.5	Pass
	846.5	25	0	40	3.85	0.744	0.0009	-2.5 to 2.5	Pass
				50	3.85	0.701	0.0008	-2.5 to 2.5	Pass
				20	3.27	-3.219	-0.0038	-2.5 to 2.5	Pass
					3.85	0.243	0.0003	-2.5 to 2.5	Pass
					4.43	4.606	0.0054	-2.5 to 2.5	Pass
				-30	3.85	9.813	0.0116	-2.5 to 2.5	Pass
				-20	3.85	-7.782	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	0.572	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.574	0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0026	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.85	-2.289	-0.0027	-2.5 to 2.5	Pass
					4.43	-1.931	-0.0023	-2.5 to 2.5	Pass
					3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	2.475	0.0030	-2.5 to 2.5	Pass

				0	3.85	1.516	0.0018	-2.5 to 2.5	Pass
				10	3.85	1.845	0.0022	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-3.977	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-1.101	-0.0013	-2.5 to 2.5	Pass
					3.85	0.644	0.0008	-2.5 to 2.5	Pass
					4.43	0.458	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-4.206	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-2.532	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	1.659	0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.060	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-1.559	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-2.389	-0.0029	-2.5 to 2.5	Pass
				40	3.85	2.060	0.0025	-2.5 to 2.5	Pass
				50	3.85	3.004	0.0036	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	2.174	0.0026	-2.5 to 2.5	Pass
					3.85	-3.905	-0.0046	-2.5 to 2.5	Pass
					4.43	-7.267	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	1.874	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-3.719	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				0	3.85	2.618	0.0031	-2.5 to 2.5	Pass
				10	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0024	-2.5 to 2.5	Pass
				40	3.85	1.345	0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.847	-0.0034	-2.5 to 2.5	Pass

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	-0.930	-0.0011	-2.5 to 2.5	Pass
					3.85	2.275	0.0027	-2.5 to 2.5	Pass
					4.43	-6.194	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.629	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.431	-0.0017	-2.5 to 2.5	Pass
				0	3.85	0.758	0.0009	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.860	-0.0022	-2.5 to 2.5	Pass
				40	3.85	0.801	0.0010	-2.5 to 2.5	Pass
				50	3.85	-2.975	-0.0036	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	2.604	0.0031	-2.5 to 2.5	Pass
					3.85	2.017	0.0024	-2.5 to 2.5	Pass
					4.43	3.691	0.0044	-2.5 to 2.5	Pass
				-30	3.85	0.615	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.788	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0032	-2.5 to 2.5	Pass
				30	3.85	2.575	0.0031	-2.5 to 2.5	Pass
				40	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass

	844	50	0	20	3.27	-0.129	-0.0002	-2.5 to 2.5	Pass
					3.85	0.916	0.0011	-2.5 to 2.5	Pass
					4.43	0.973	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.302	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.774	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.901	0.0011	-2.5 to 2.5	Pass
				10	3.85	-1.044	-0.0012	-2.5 to 2.5	Pass
				30	3.85	0.401	0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-0.358	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.916	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.890	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-3.204	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.044	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				40	3.85	0.172	0.0002	-2.5 to 2.5	Pass
	836.5	50	0	20	3.85	-4.835	-0.0058	-2.5 to 2.5	Pass
					3.27	-0.629	-0.0008	-2.5 to 2.5	Pass
					3.85	-3.576	-0.0043	-2.5 to 2.5	Pass
				-30	4.43	1.974	0.0024	-2.5 to 2.5	Pass
					3.85	0.186	0.0002	-2.5 to 2.5	Pass
					3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0010	-2.5 to 2.5	Pass
	844	50	0	20	3.85	0.072	0.0001	-2.5 to 2.5	Pass
					3.85	-1.631	-0.0019	-2.5 to 2.5	Pass
					3.85	1.030	0.0012	-2.5 to 2.5	Pass
				-30	3.27	-2.017	-0.0024	-2.5 to 2.5	Pass
					3.85	-3.276	-0.0039	-2.5 to 2.5	Pass
					4.43	3.319	0.0039	-2.5 to 2.5	Pass
				-20	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.260	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
	844	50	0	20	3.85	0.186	0.0002	-2.5 to 2.5	Pass
					3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass

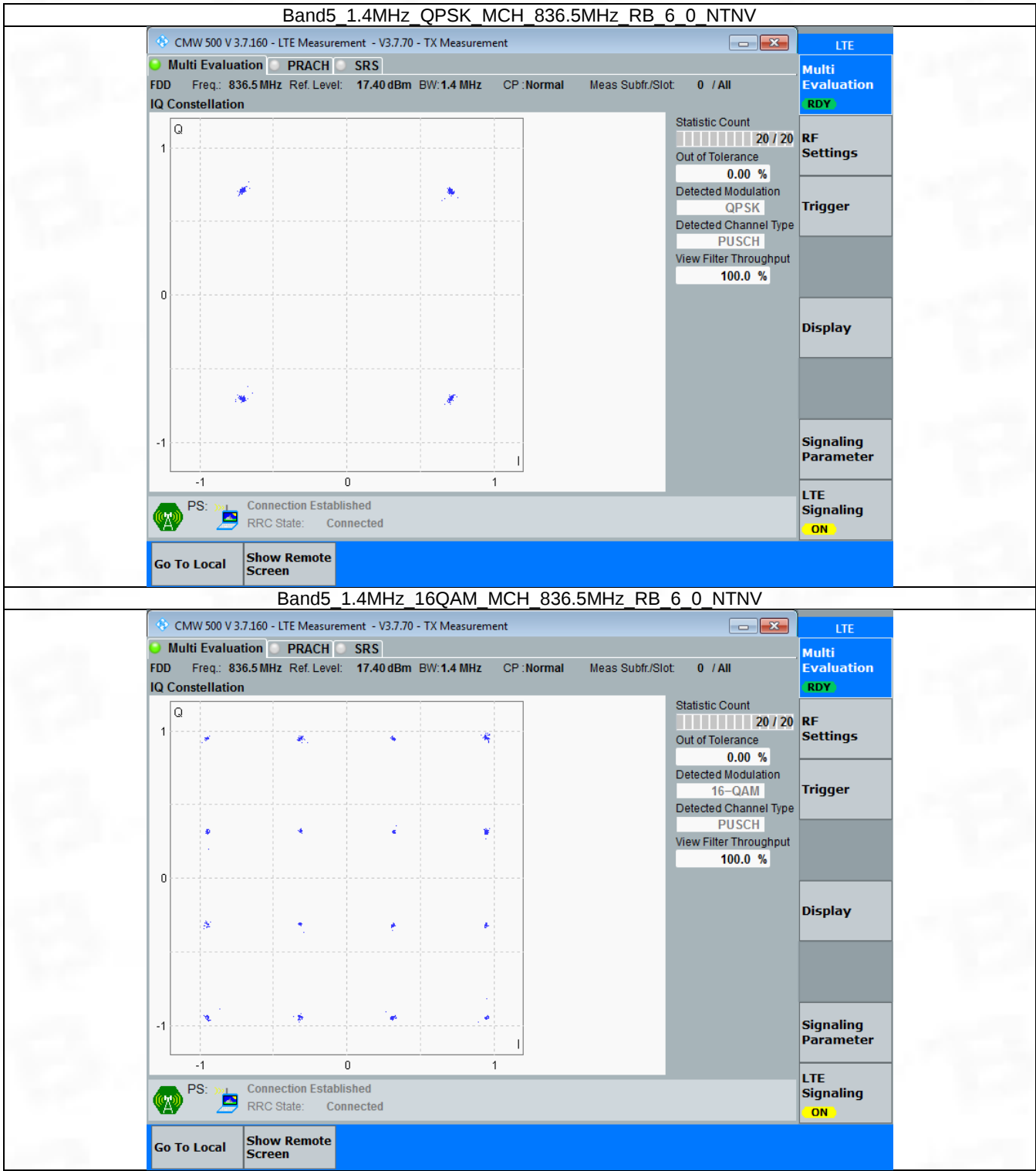
3. Modulation Characteristics

3.1 B5_1.4MHz

3.1.1 Test Result

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

3.1.2 Test Graph

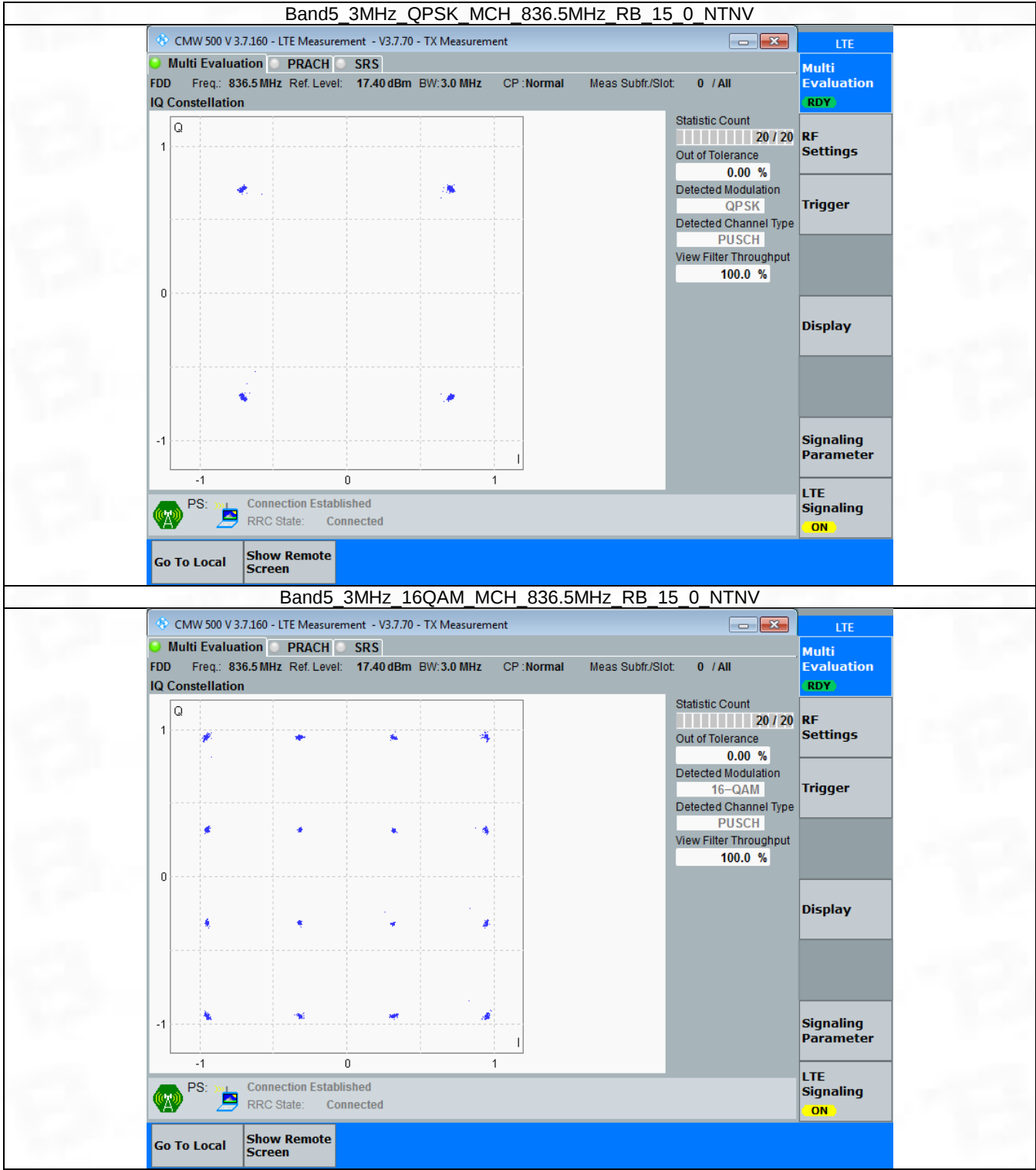


3.2 B5_3MHz

3.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	15	0	Refer To Test Graph		Pass
16QAM	836.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

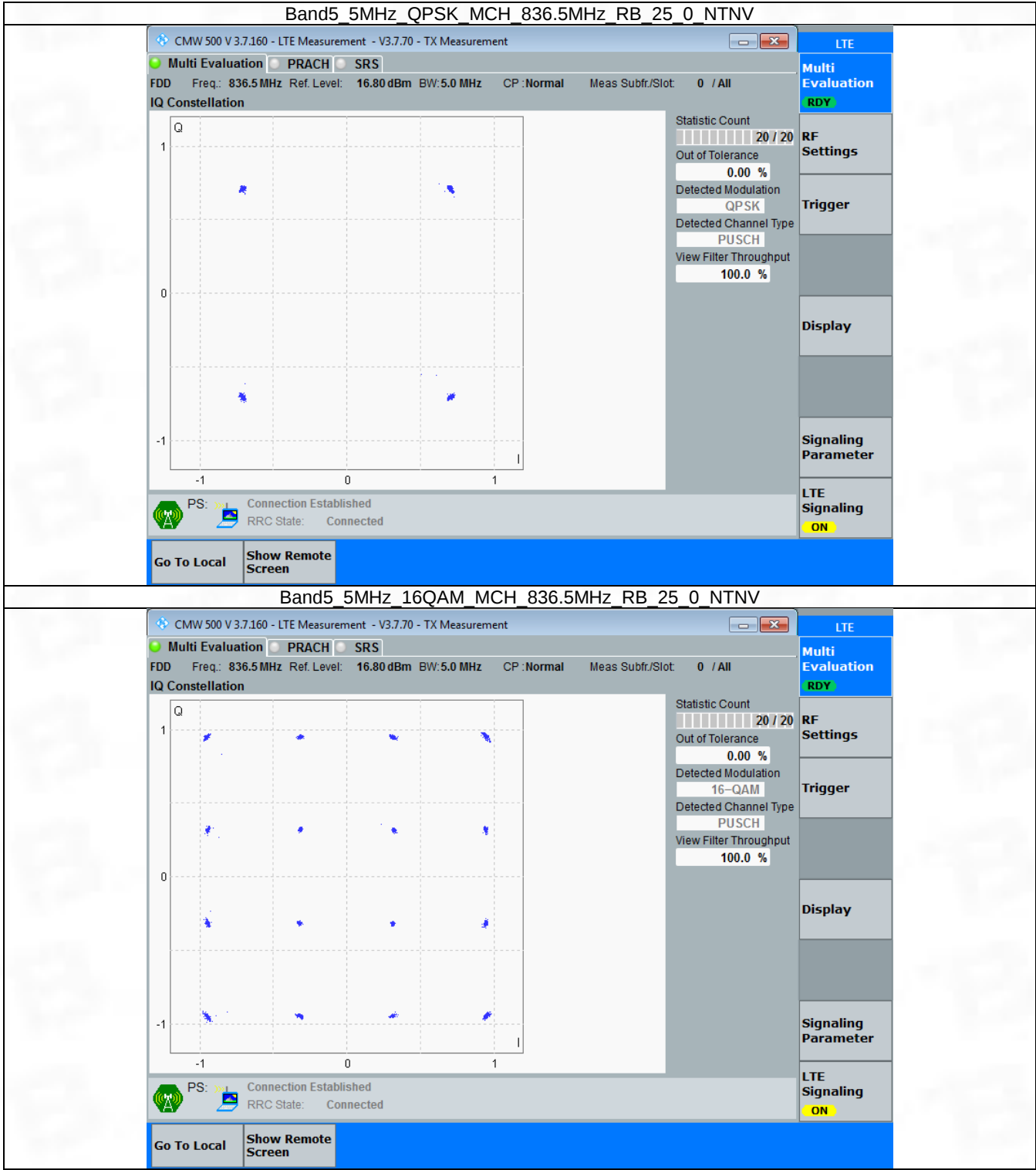


3.3 B5_5MHz

3.3.1 Test Result

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

3.3.2 Test Graph

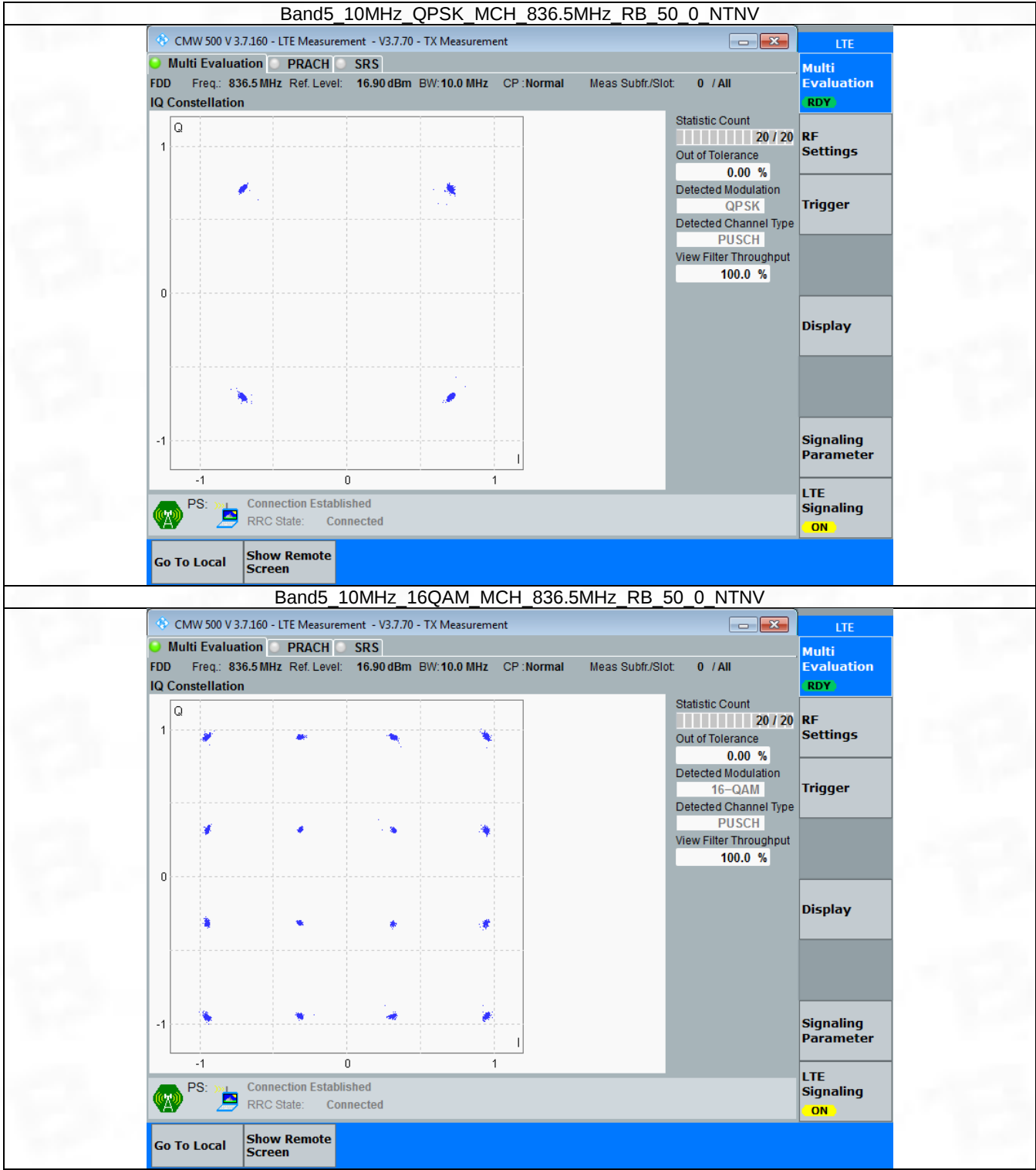


3.4 B5_10MHz

3.4.1 Test Result

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

3.4.2 Test Graph



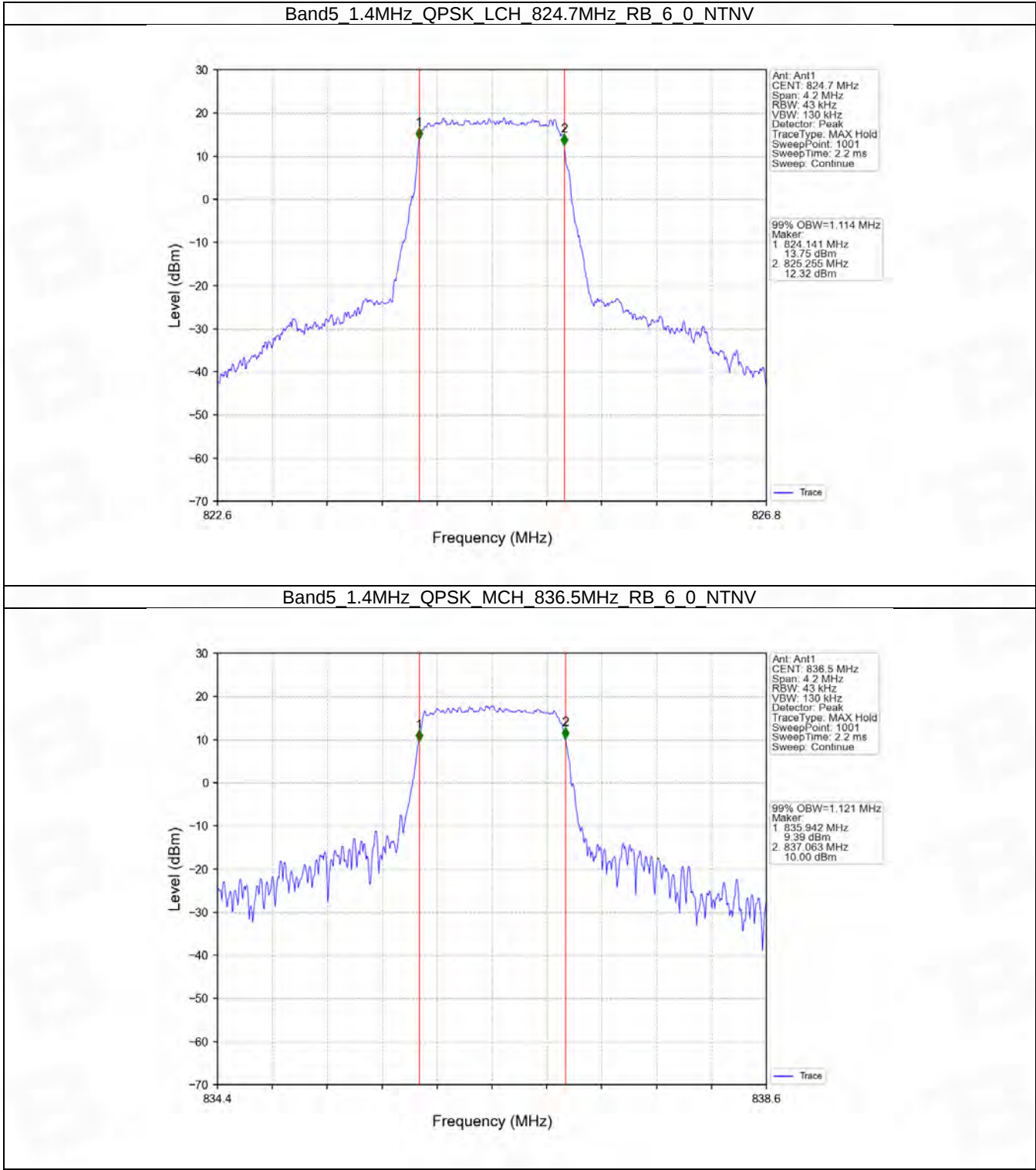
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

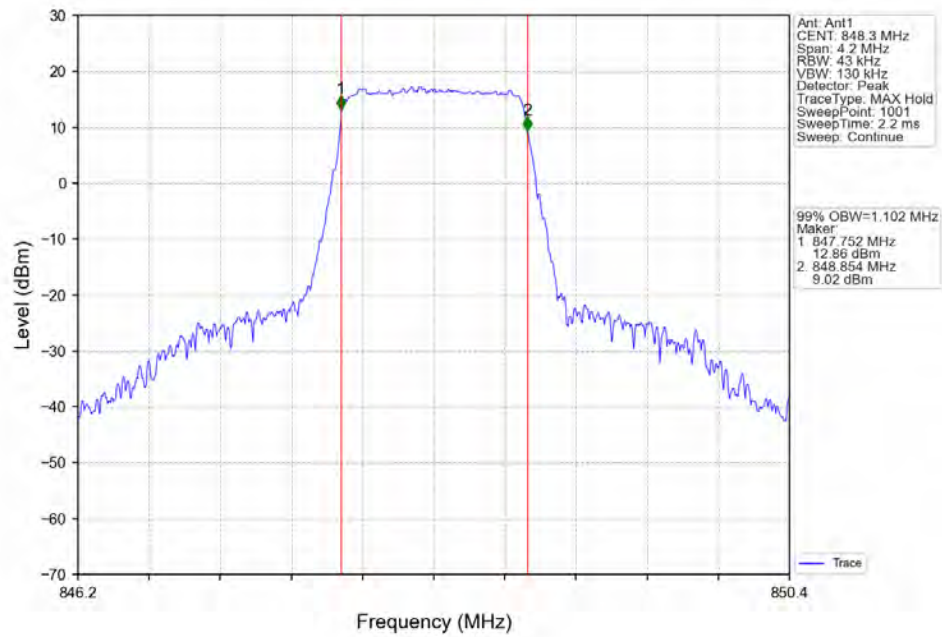
4.1.1 Test Result

Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.114	/	Pass
		836.5	6	0	1.121	/	Pass
		848.3	6	0	1.102	/	Pass
	16QAM	824.7	6	0	1.117	/	Pass
		836.5	6	0	1.109	/	Pass
		848.3	6	0	1.111	/	Pass
3	QPSK	825.5	15	0	2.732	/	Pass
		836.5	15	0	2.736	/	Pass
		847.5	15	0	2.725	/	Pass
	16QAM	825.5	15	0	2.709	/	Pass
		836.5	15	0	2.721	/	Pass
		847.5	15	0	2.712	/	Pass
5	QPSK	826.5	25	0	4.538	/	Pass
		836.5	25	0	4.534	/	Pass
		846.5	25	0	4.542	/	Pass
	16QAM	826.5	25	0	4.540	/	Pass
		836.5	25	0	4.543	/	Pass
		846.5	25	0	4.532	/	Pass
10	QPSK	829	50	0	9.078	/	Pass
		836.5	50	0	9.055	/	Pass
		844	50	0	9.049	/	Pass
	16QAM	829	50	0	9.065	/	Pass
		836.5	50	0	9.049	/	Pass
		844	50	0	9.027	/	Pass

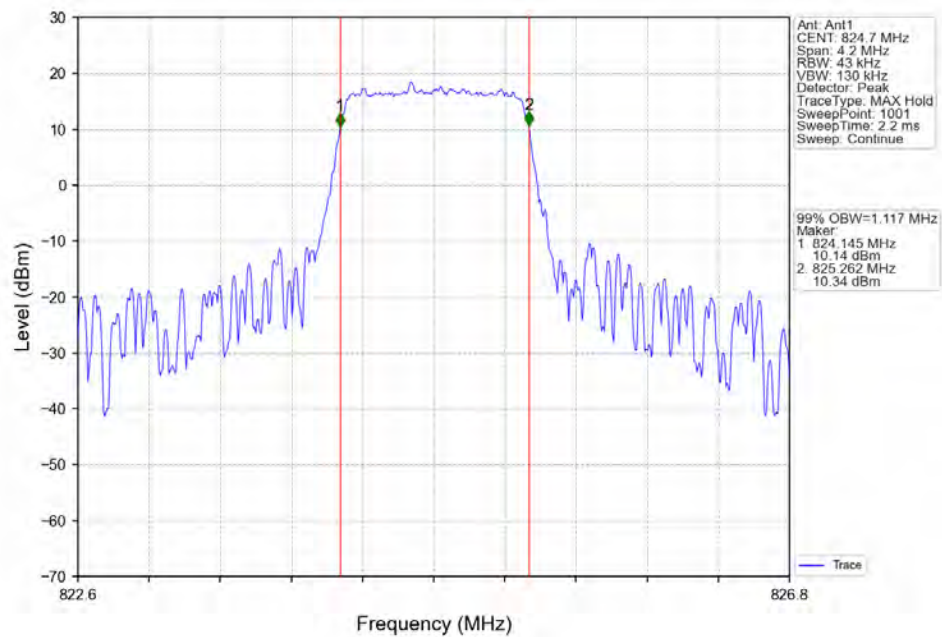
4.1.2 Test Graph



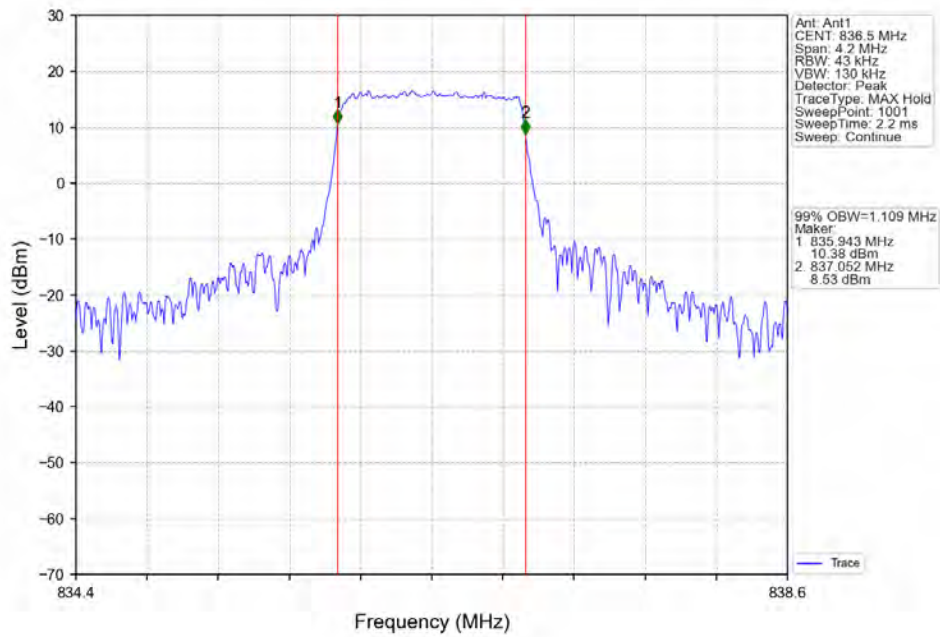
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



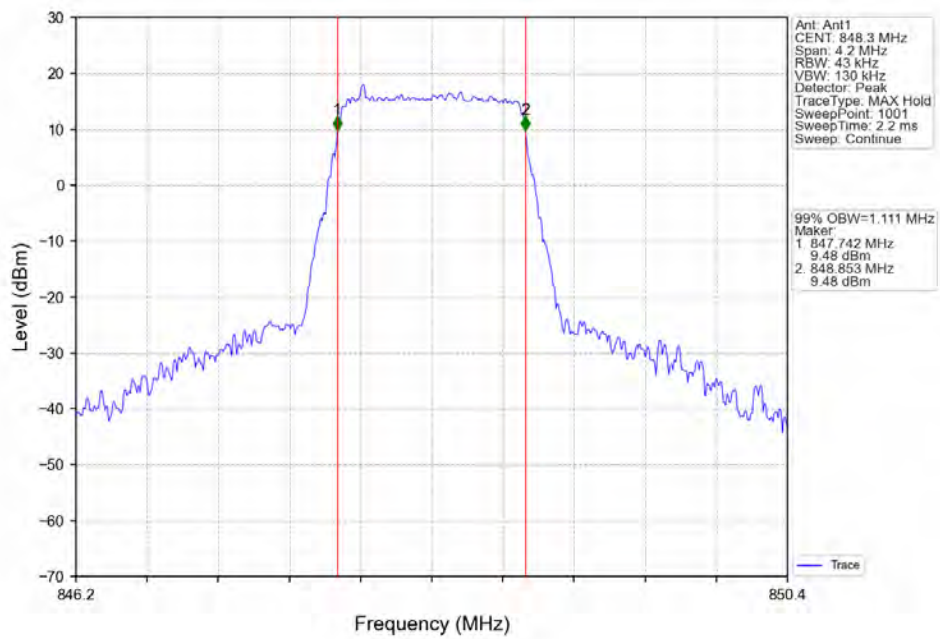
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



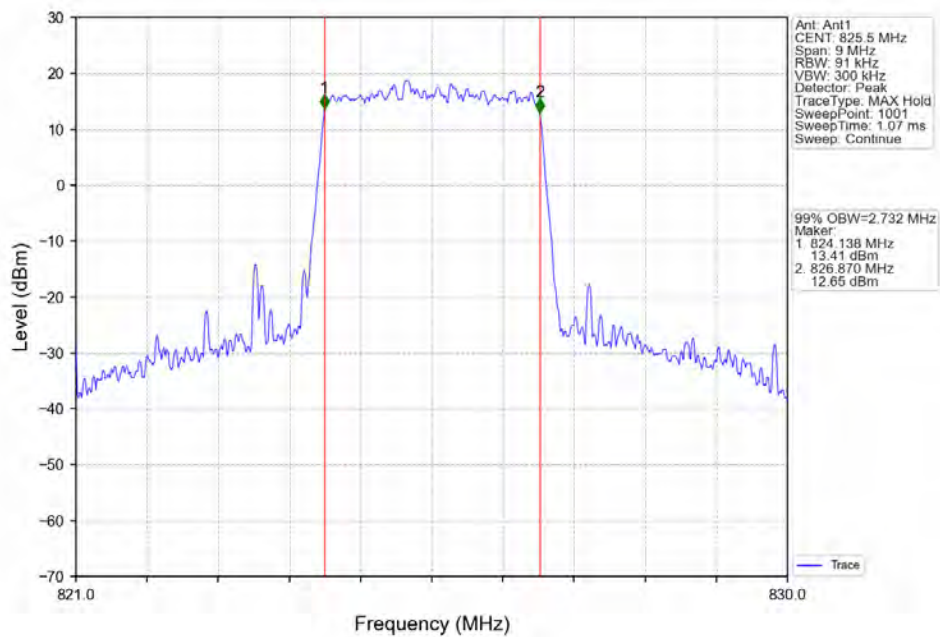
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



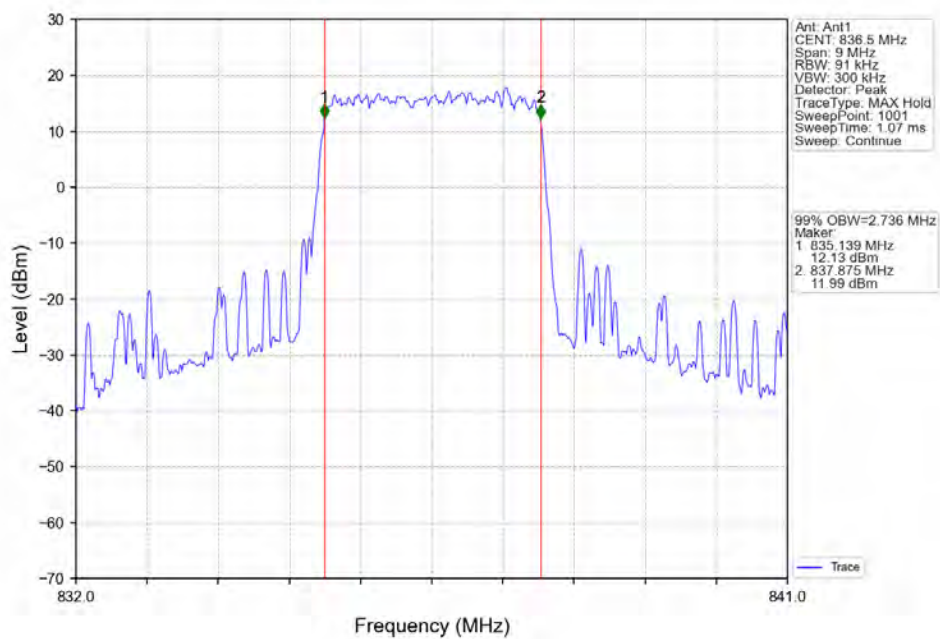
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



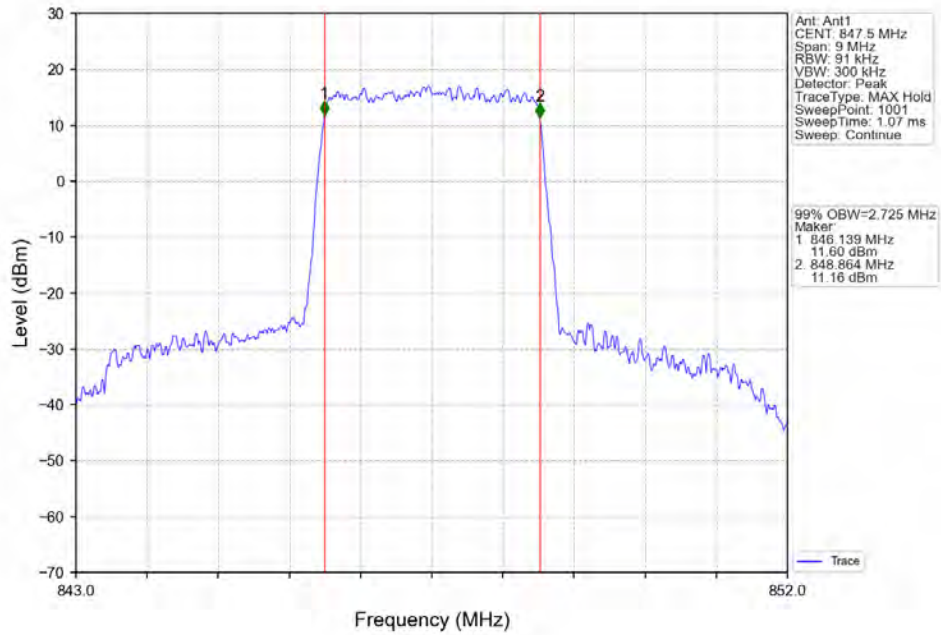
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTN



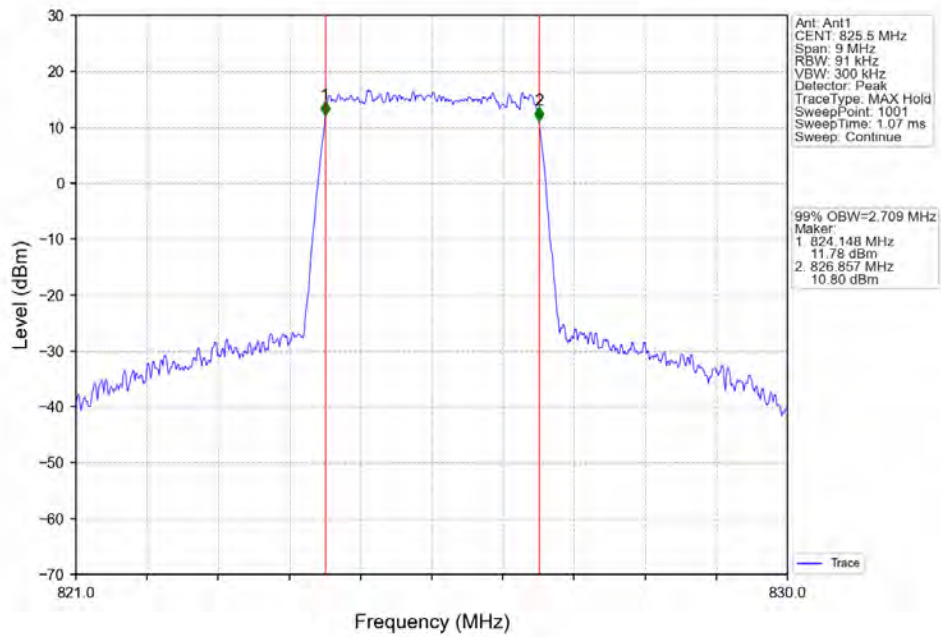
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTN



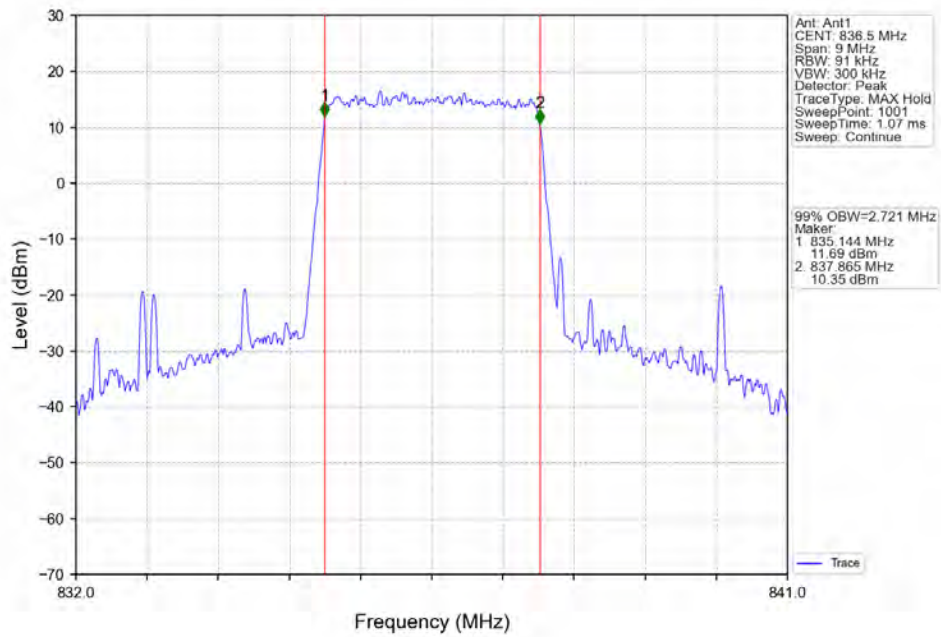
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



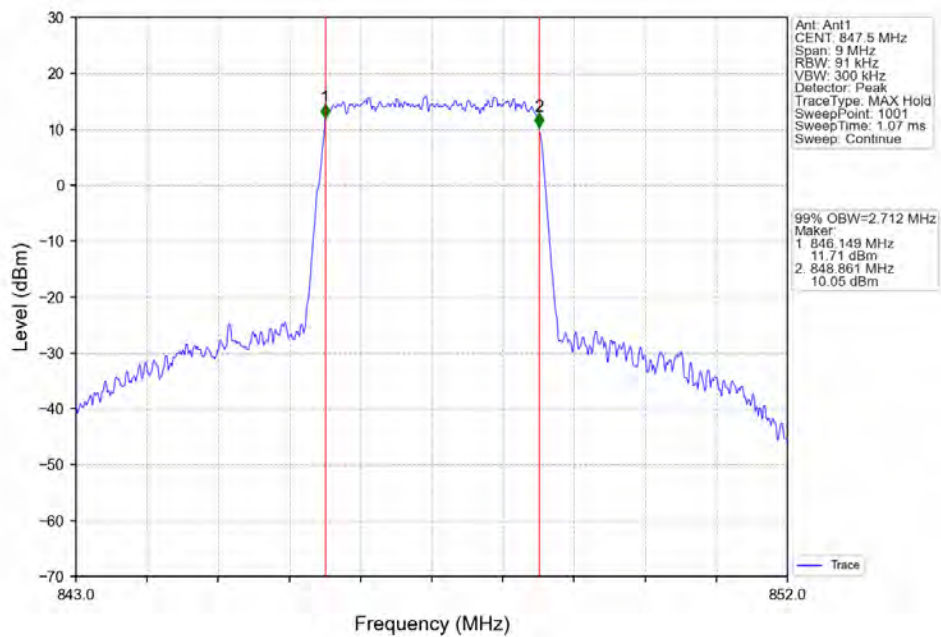
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



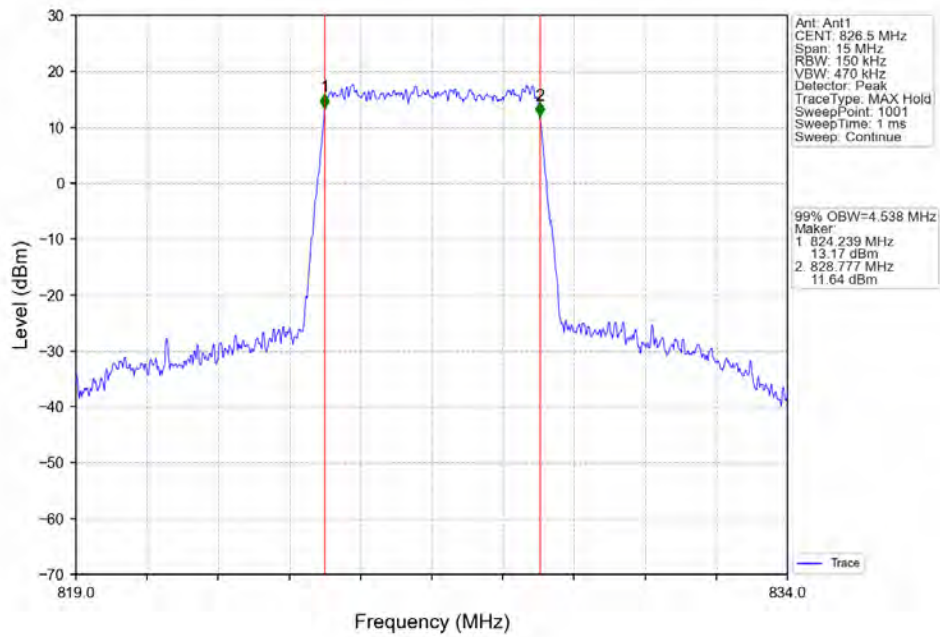
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



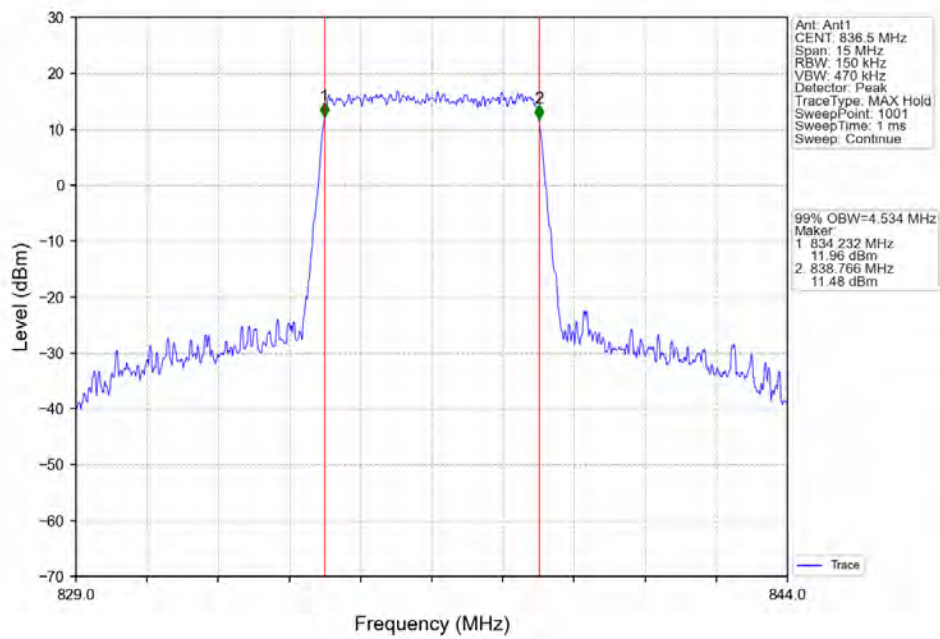
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



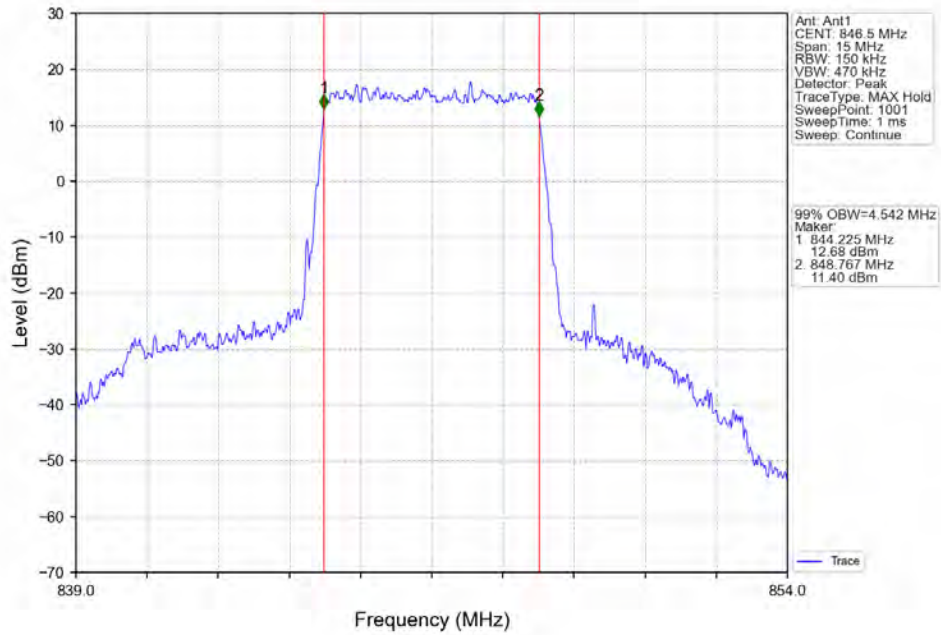
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



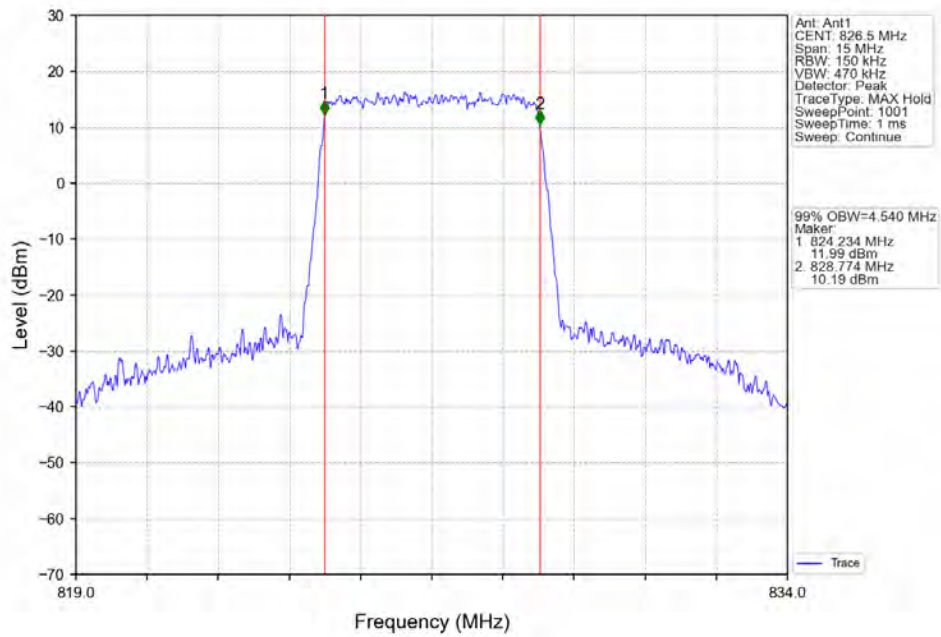
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN



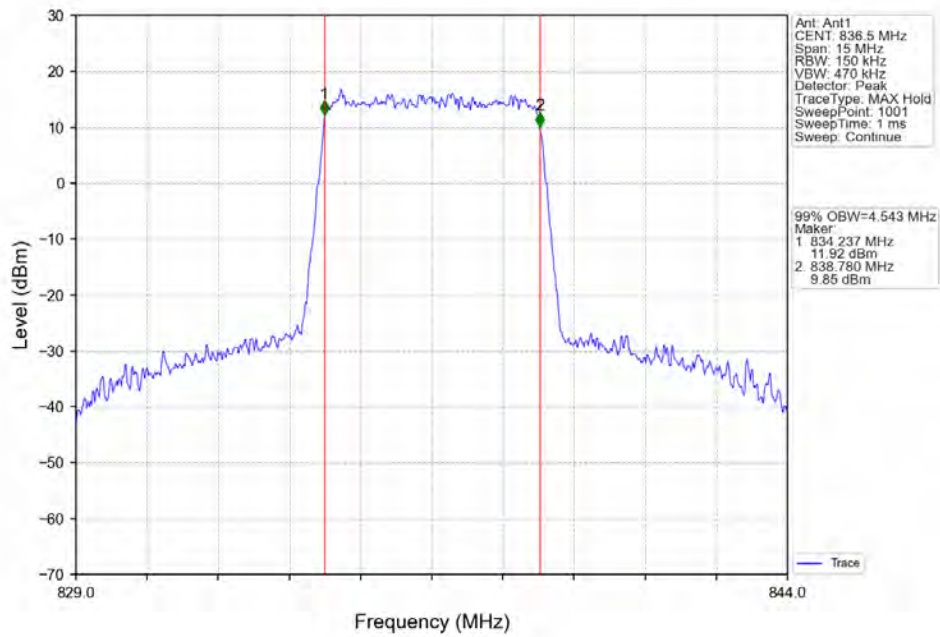
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



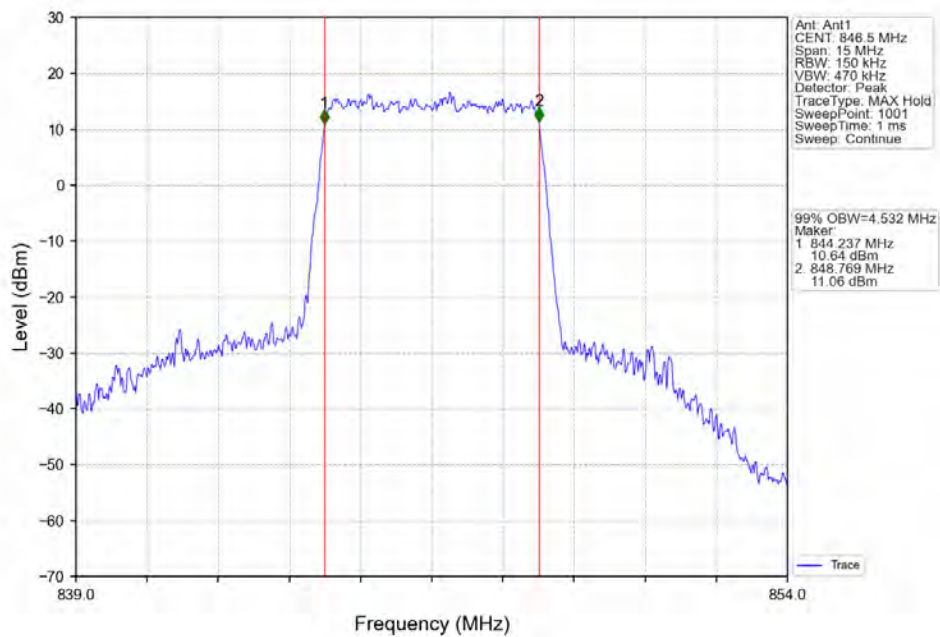
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



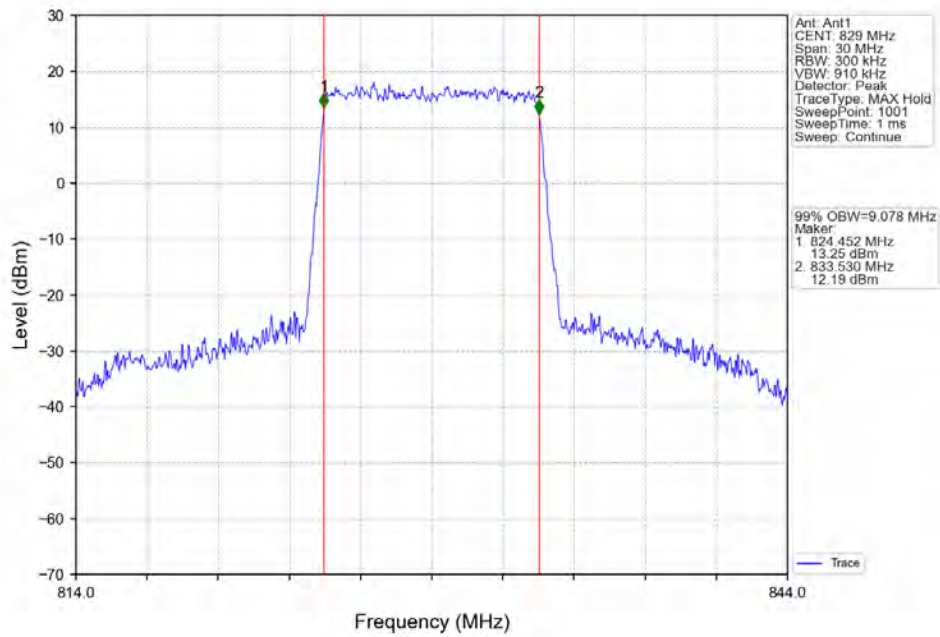
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTN



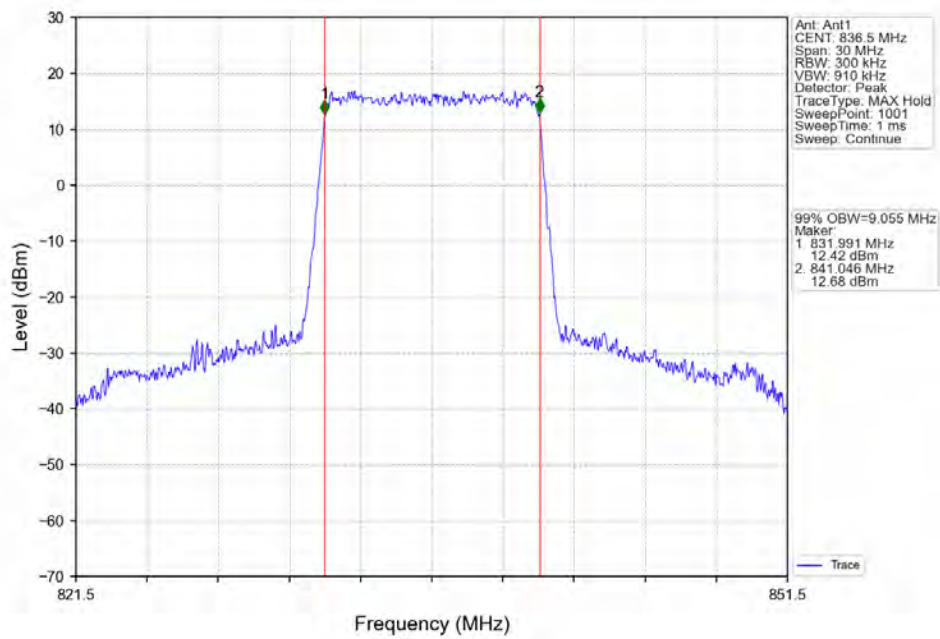
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTN



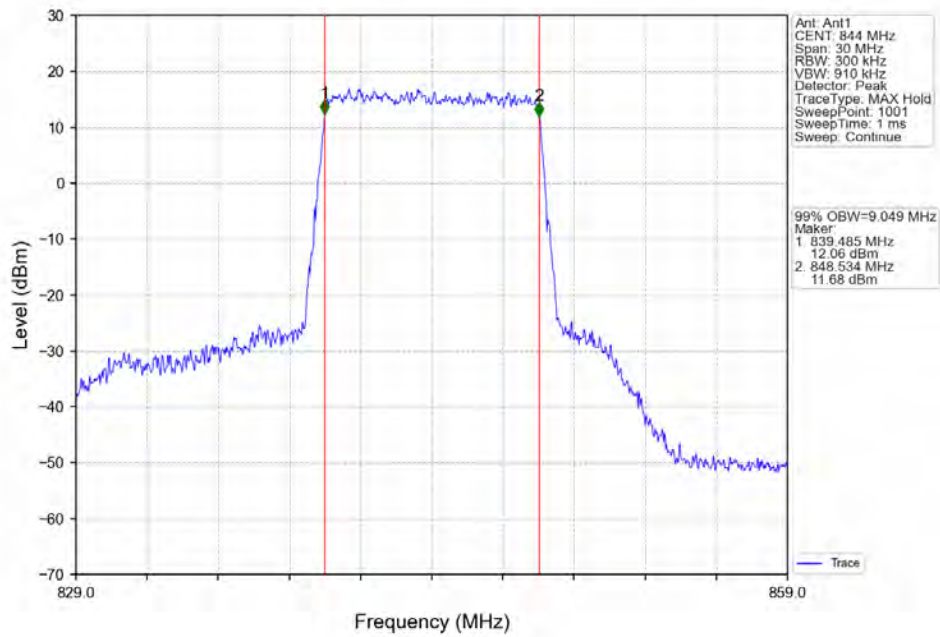
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTNV



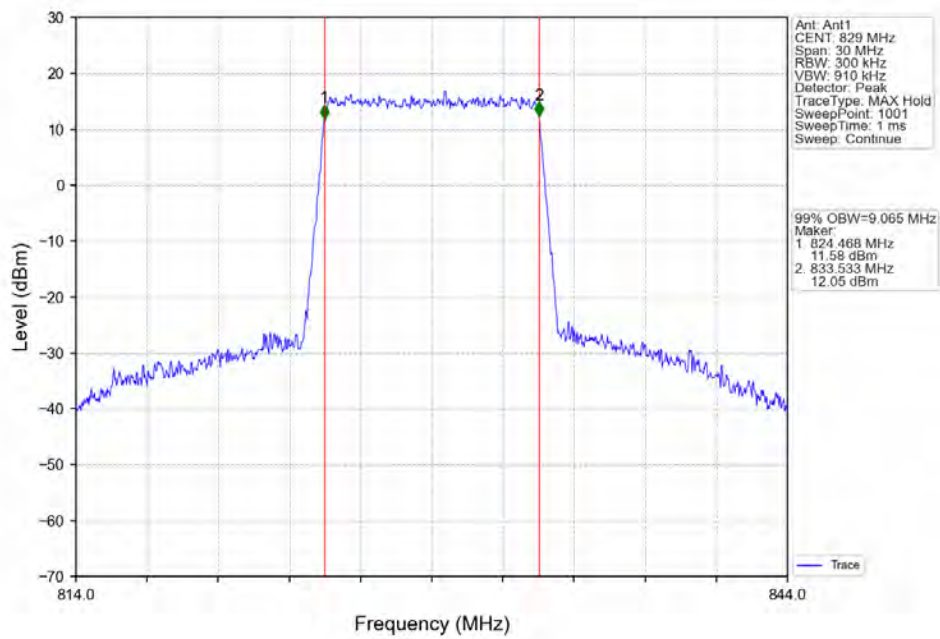
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV



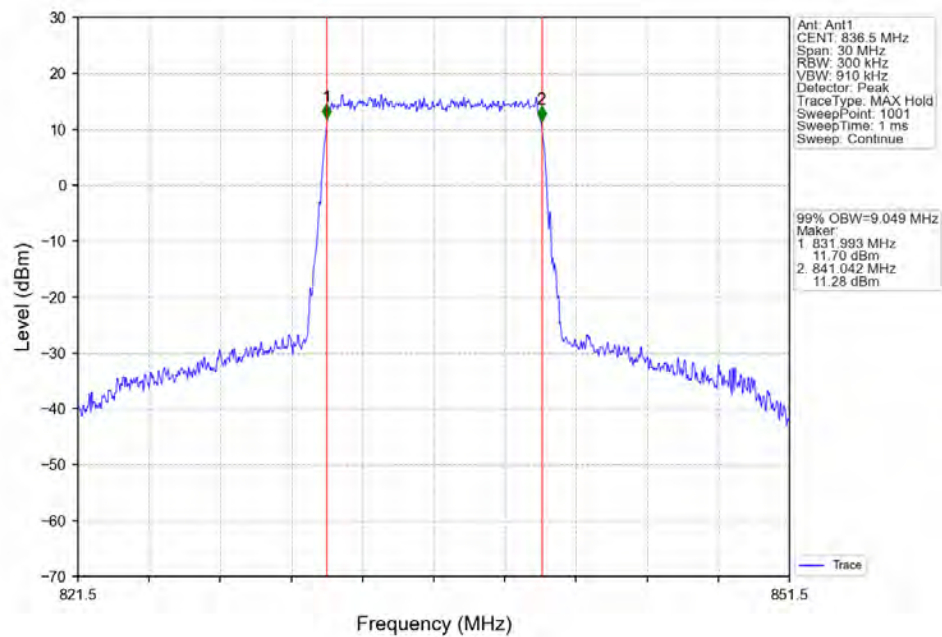
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTNV



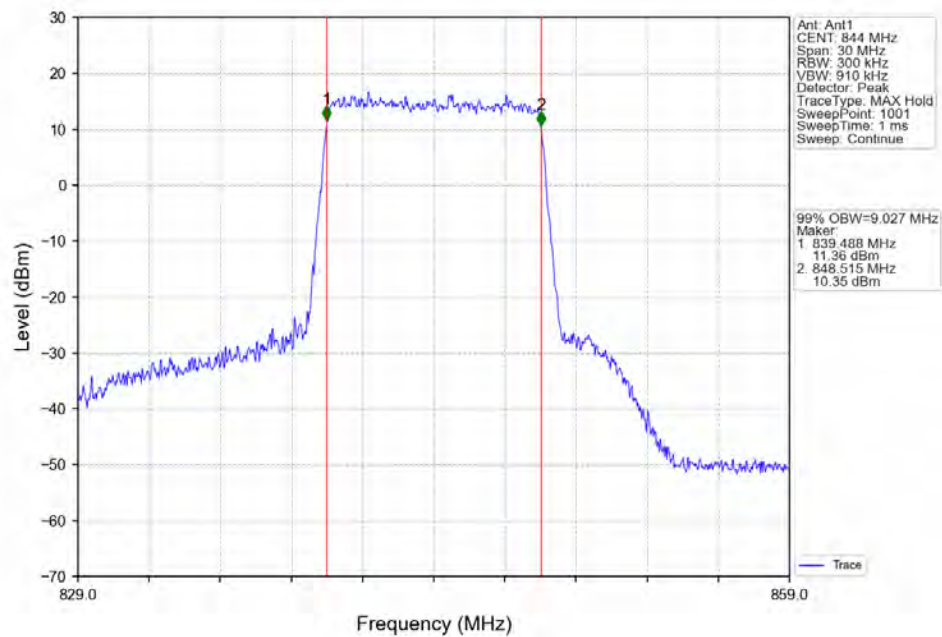
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTNV



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



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

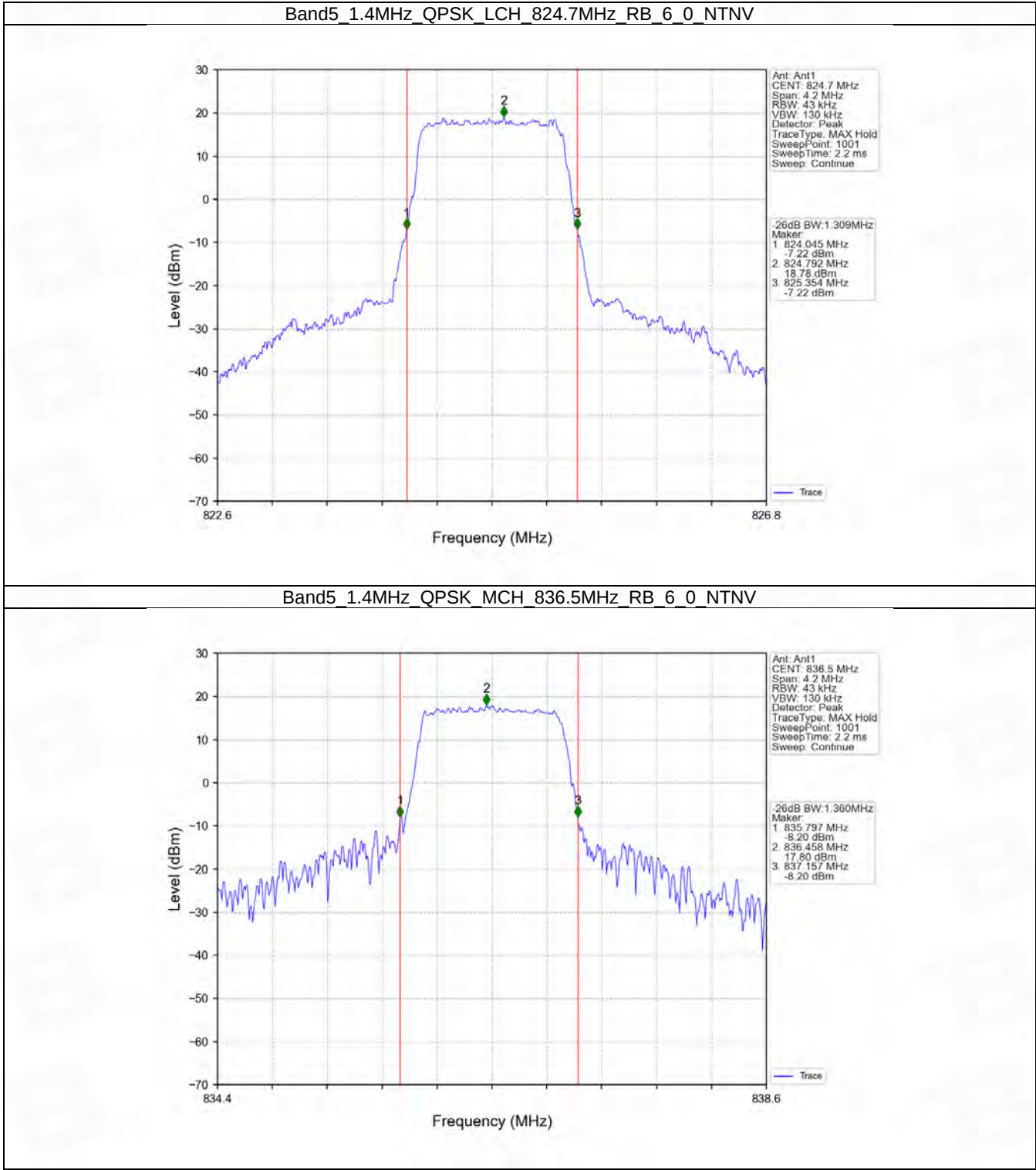


4.2 Band5_XDB

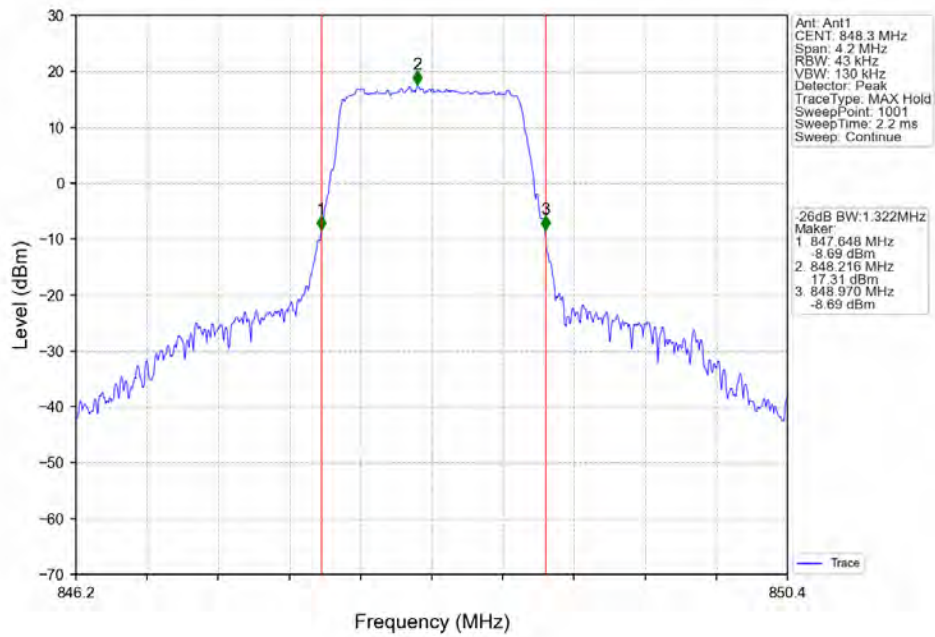
4.2.1 Test Result

Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.309	/	Pass
		836.5	6	0	1.360	/	Pass
		848.3	6	0	1.322	/	Pass
	16QAM	824.7	6	0	1.327	/	Pass
		836.5	6	0	1.388	/	Pass
		848.3	6	0	1.322	/	Pass
3	QPSK	825.5	15	0	2.995	/	Pass
		836.5	15	0	3.002	/	Pass
		847.5	15	0	3.001	/	Pass
	16QAM	825.5	15	0	3.000	/	Pass
		836.5	15	0	2.996	/	Pass
		847.5	15	0	2.993	/	Pass
5	QPSK	826.5	25	0	5.038	/	Pass
		836.5	25	0	5.033	/	Pass
		846.5	25	0	5.015	/	Pass
	16QAM	826.5	25	0	5.037	/	Pass
		836.5	25	0	5.013	/	Pass
		846.5	25	0	5.030	/	Pass
10	QPSK	829	50	0	9.944	/	Pass
		836.5	50	0	9.942	/	Pass
		844	50	0	9.970	/	Pass
	16QAM	829	50	0	9.949	/	Pass
		836.5	50	0	9.874	/	Pass
		844	50	0	9.898	/	Pass

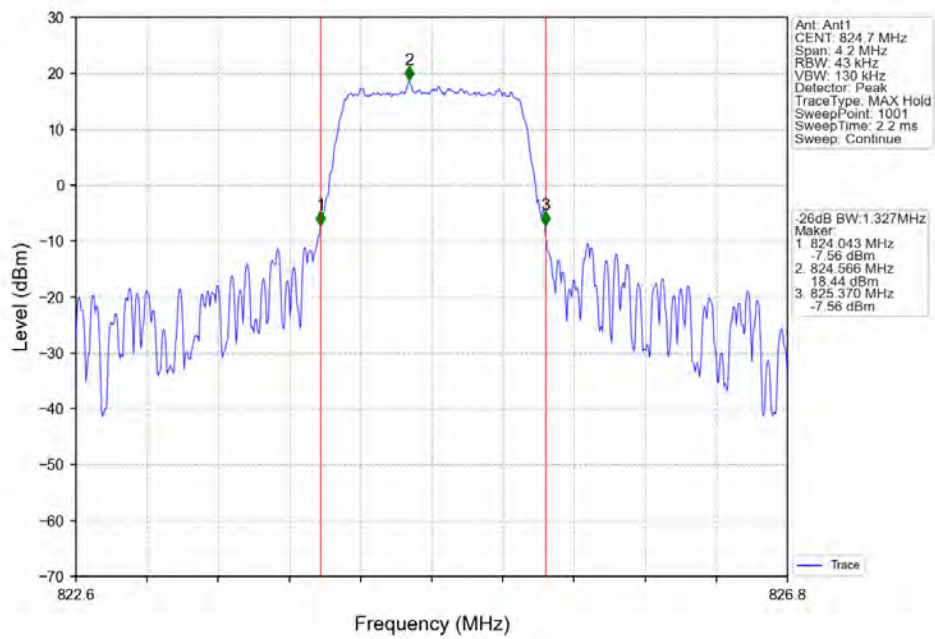
4.2.2 Test Graph



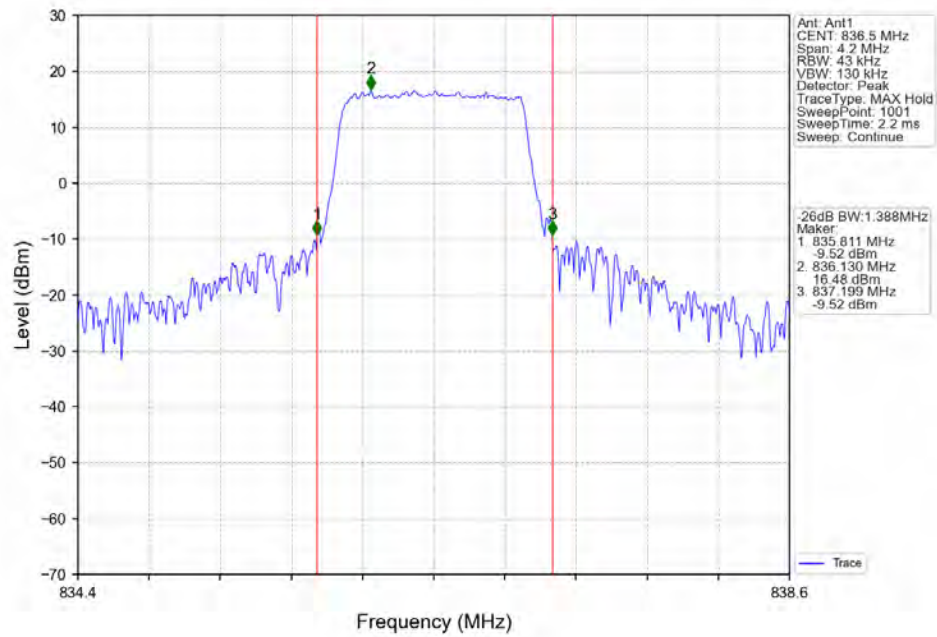
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



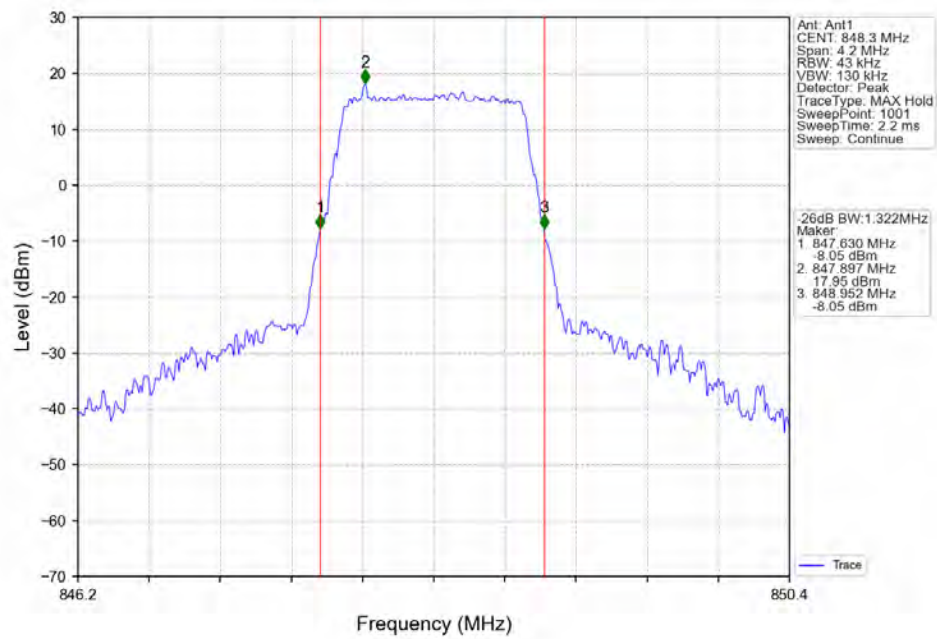
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



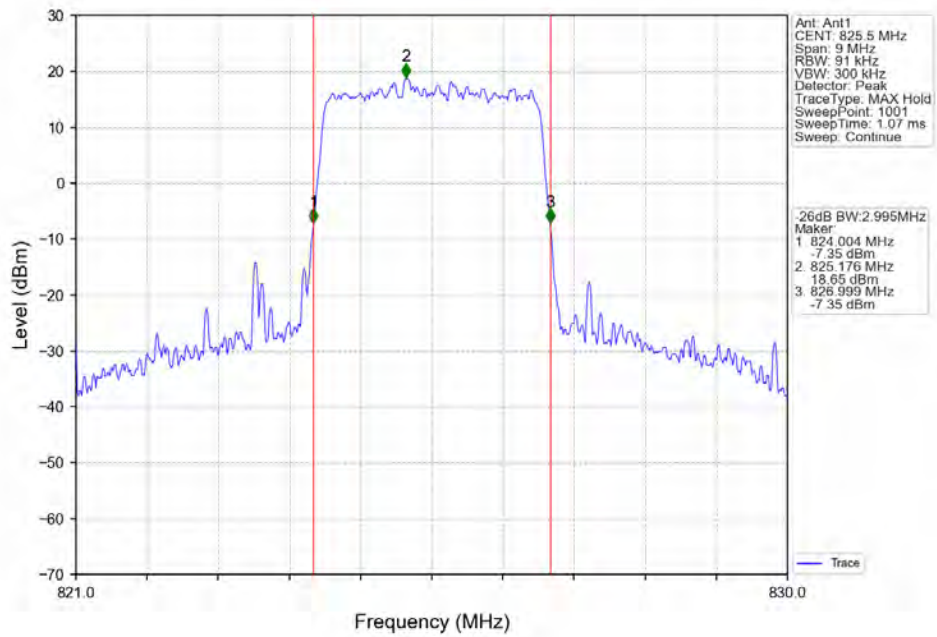
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



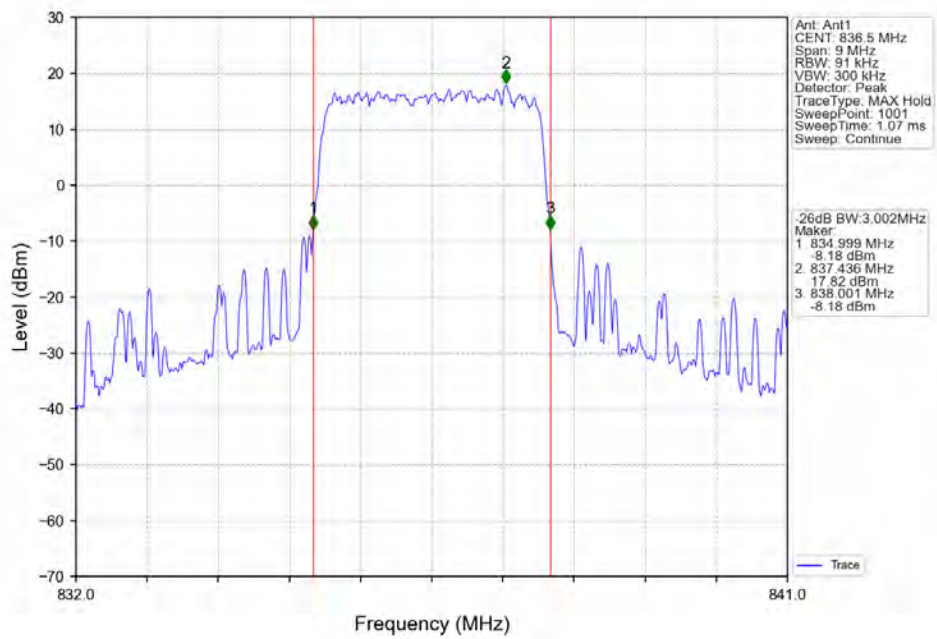
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



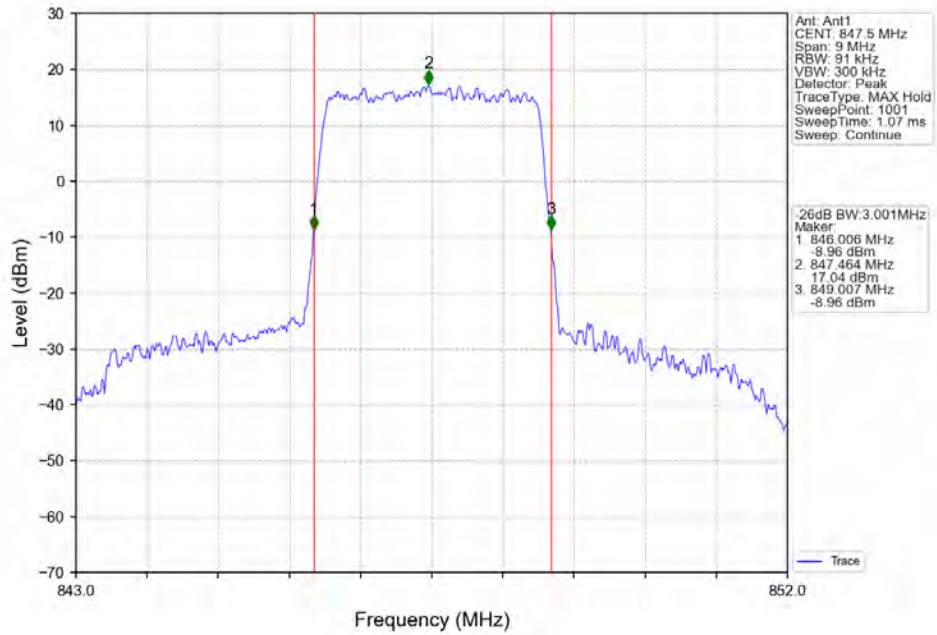
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTNV



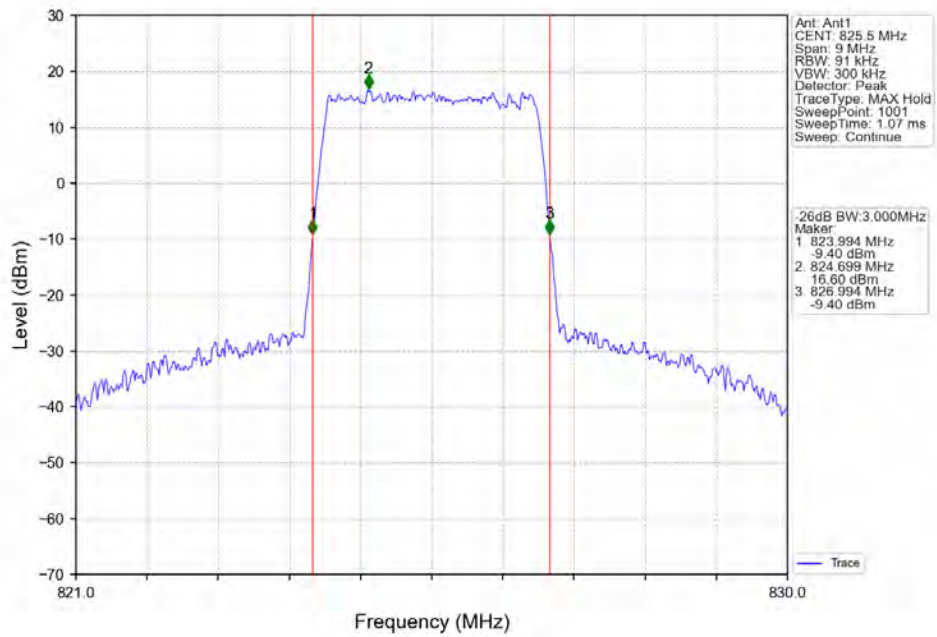
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV



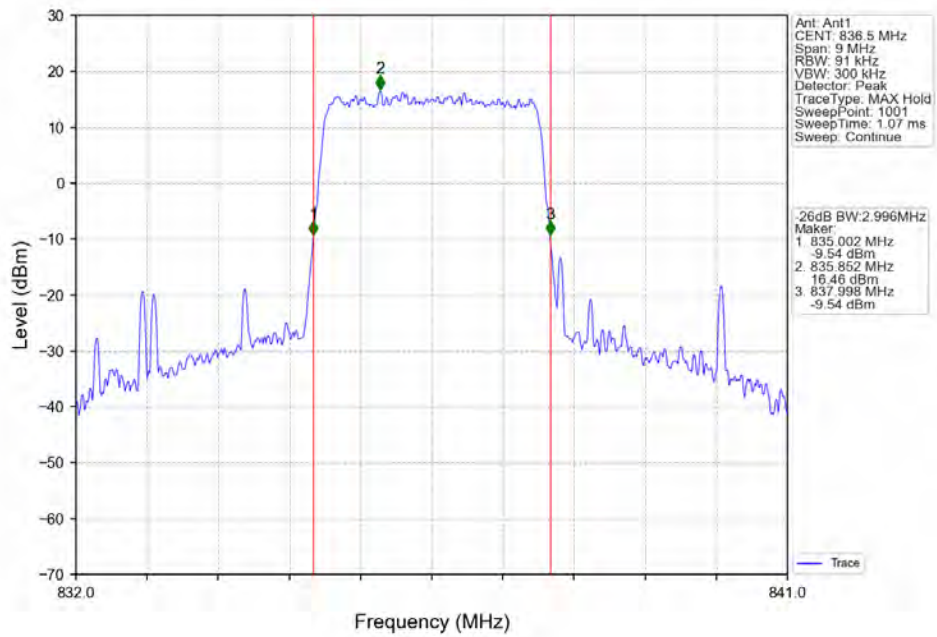
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



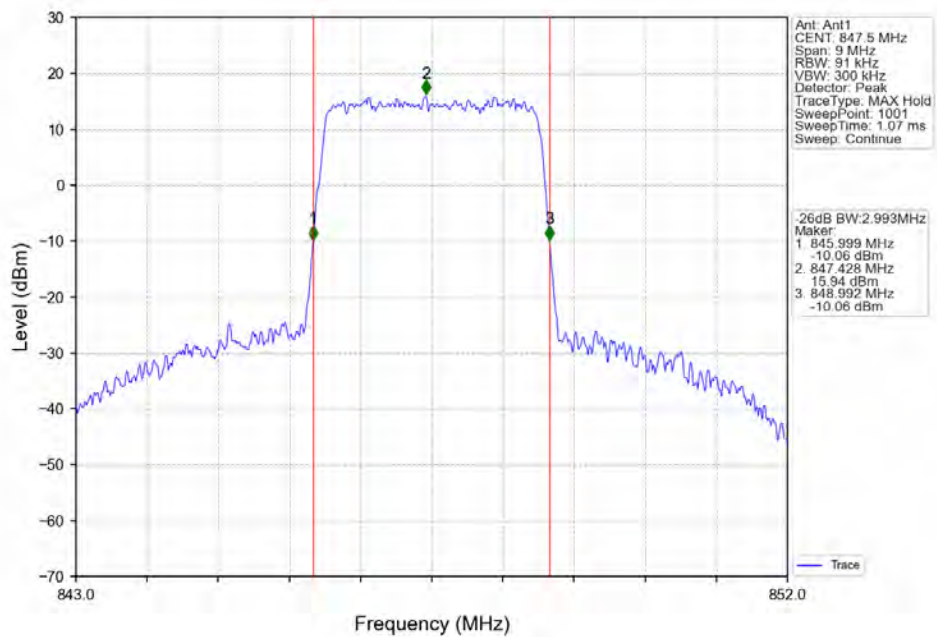
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



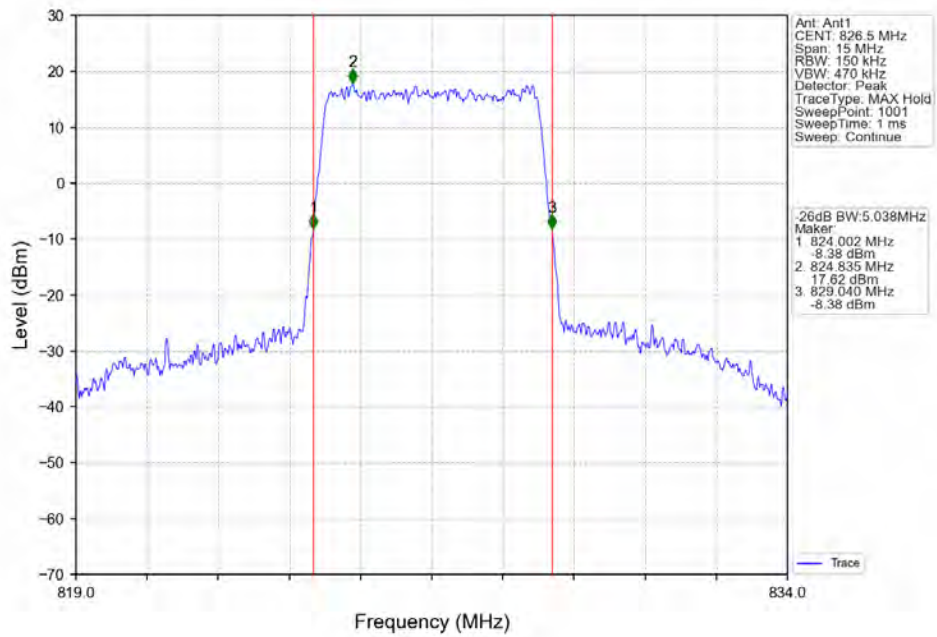
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



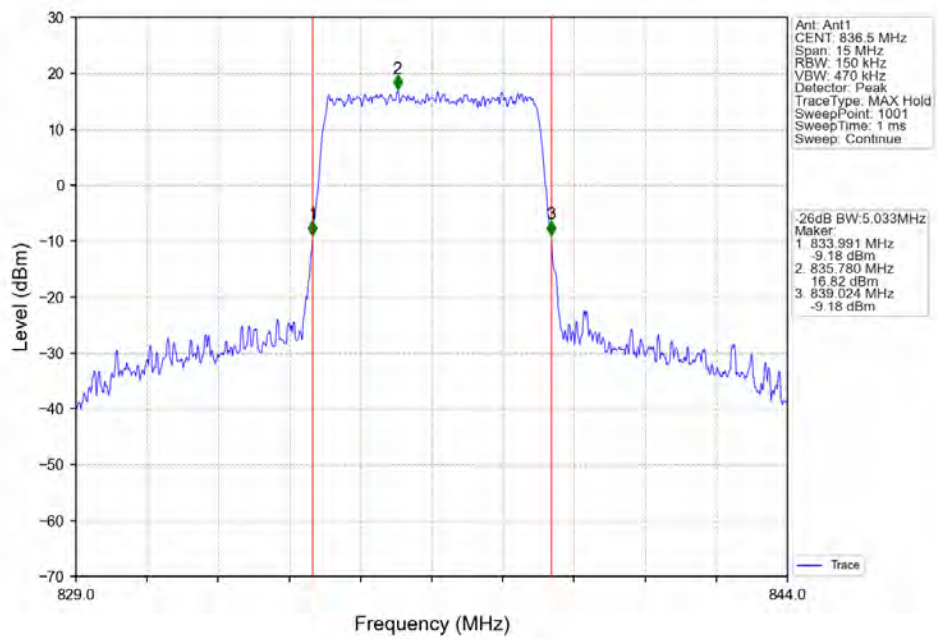
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



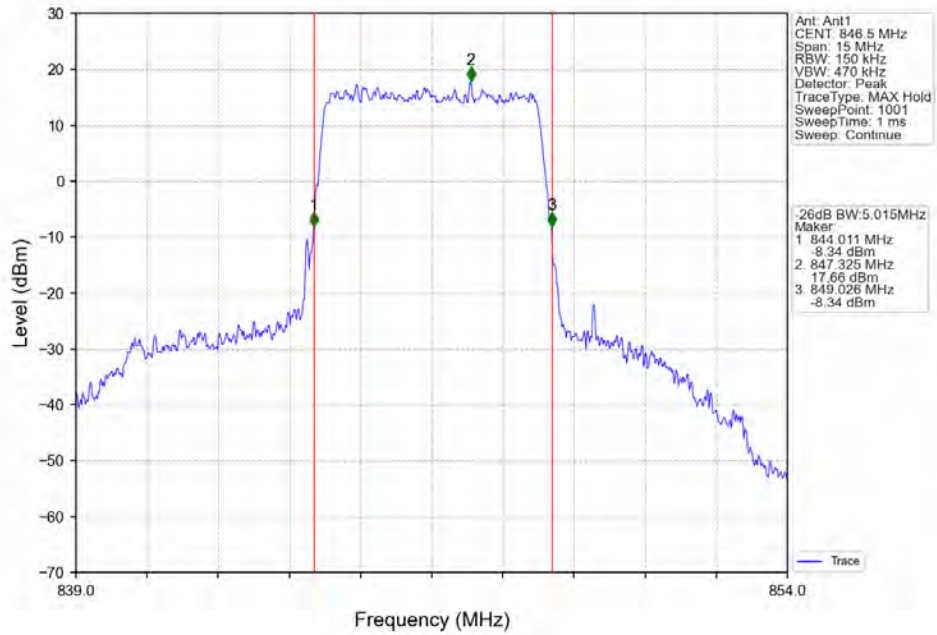
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTNV



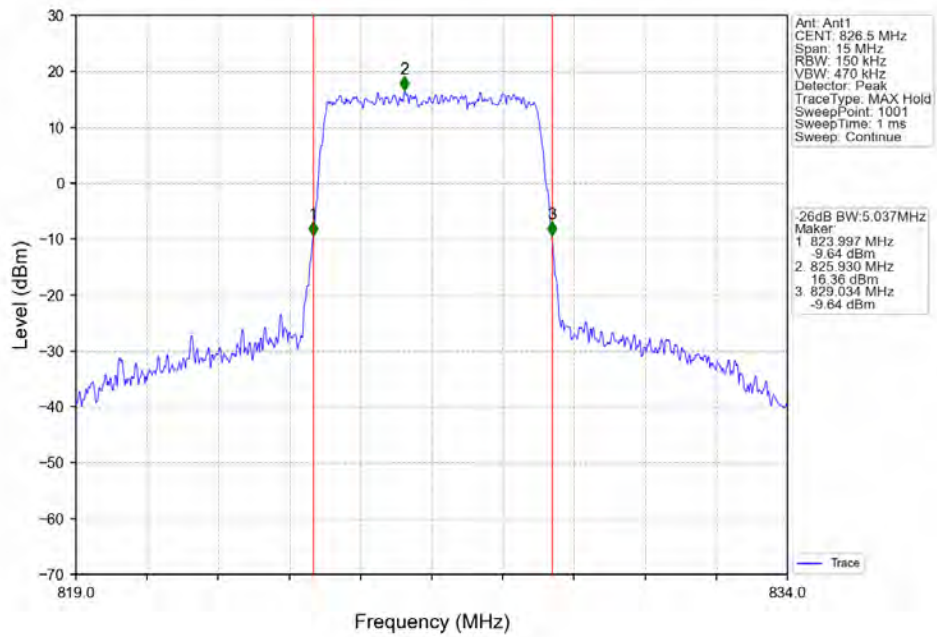
Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTNV



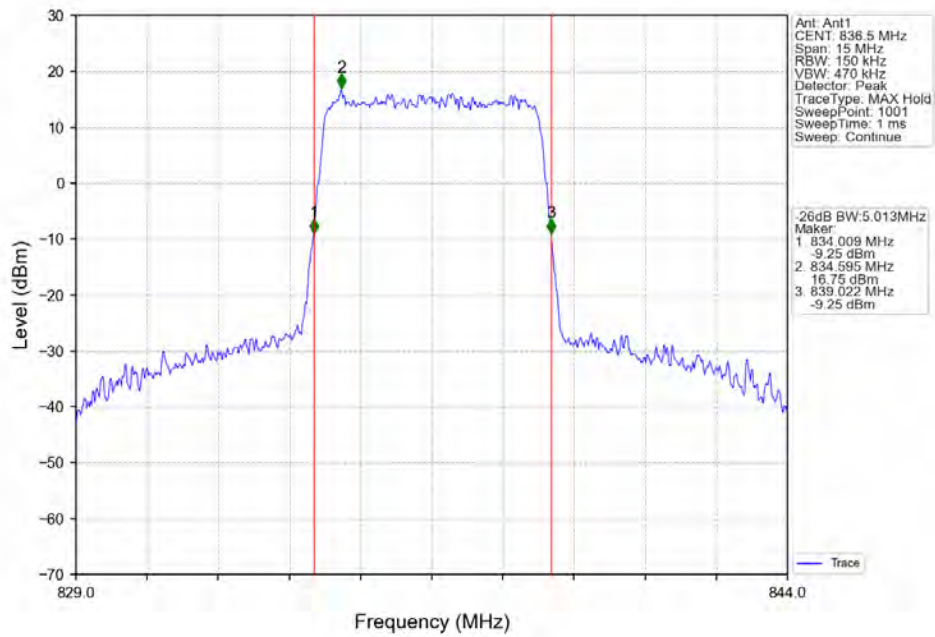
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



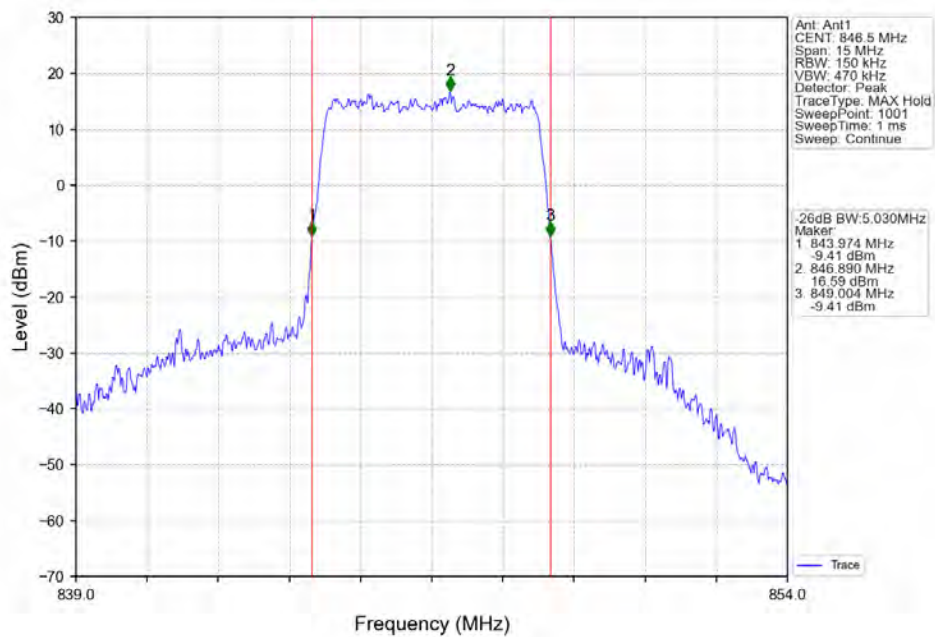
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



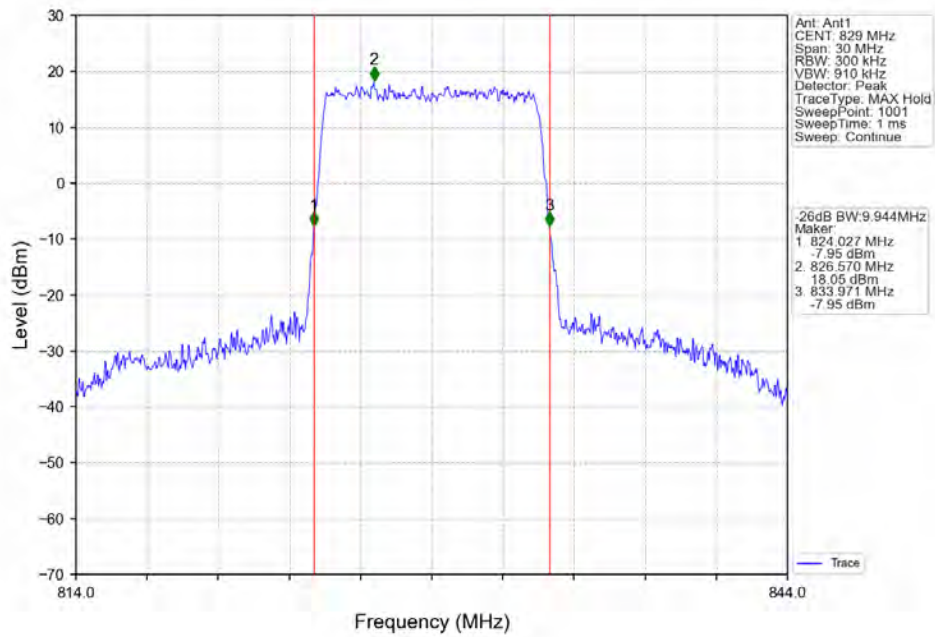
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



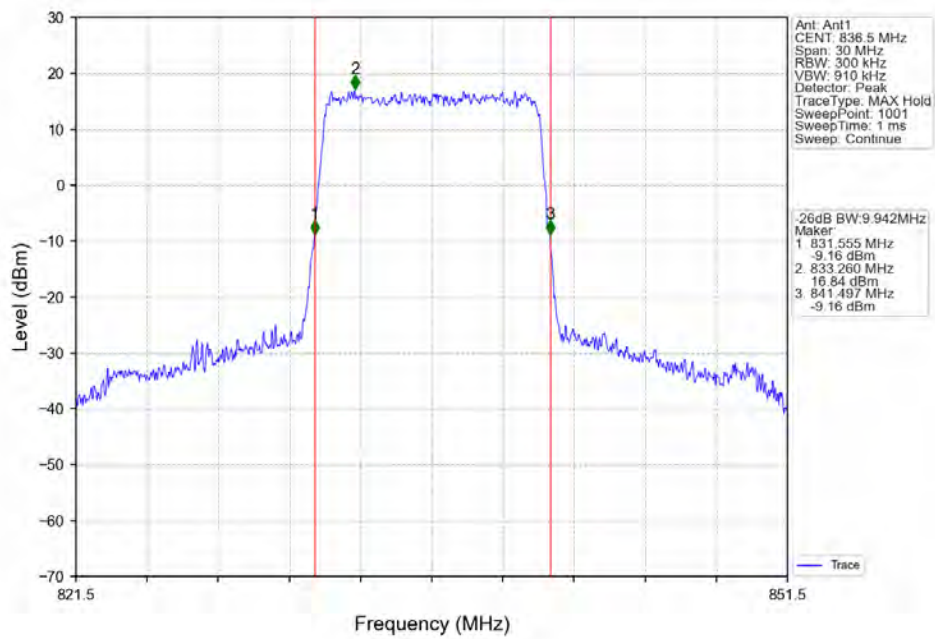
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



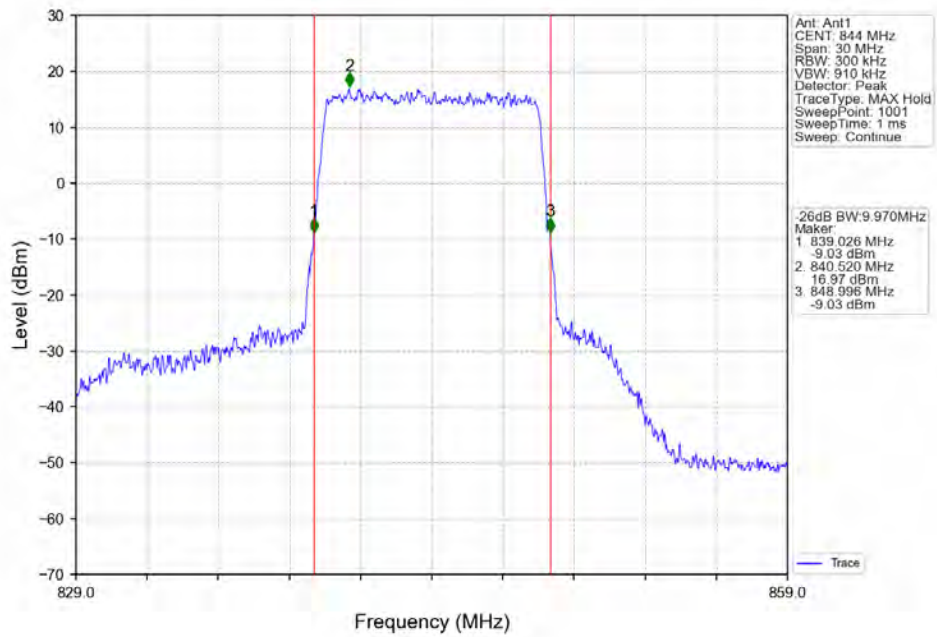
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN



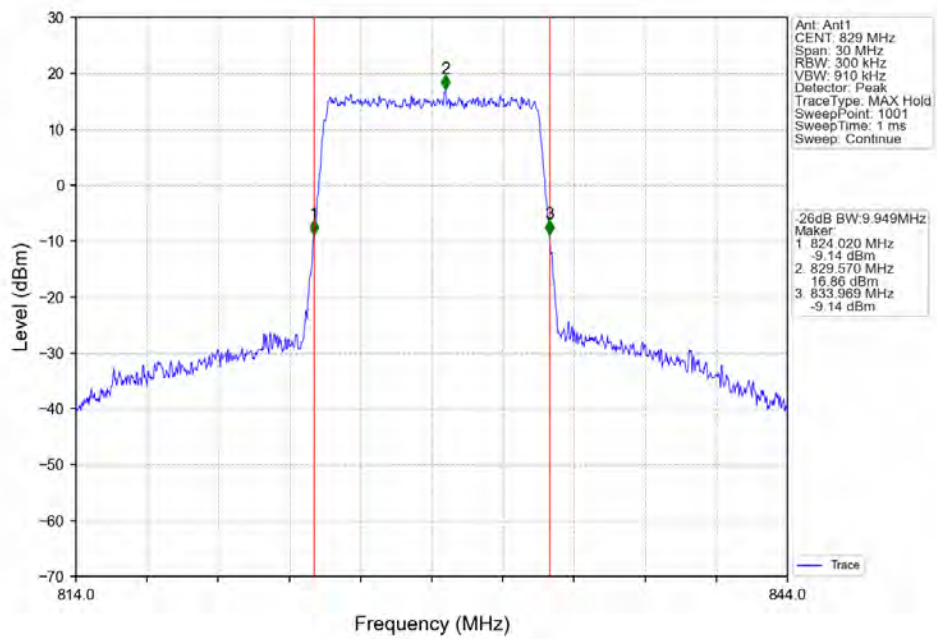
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTN



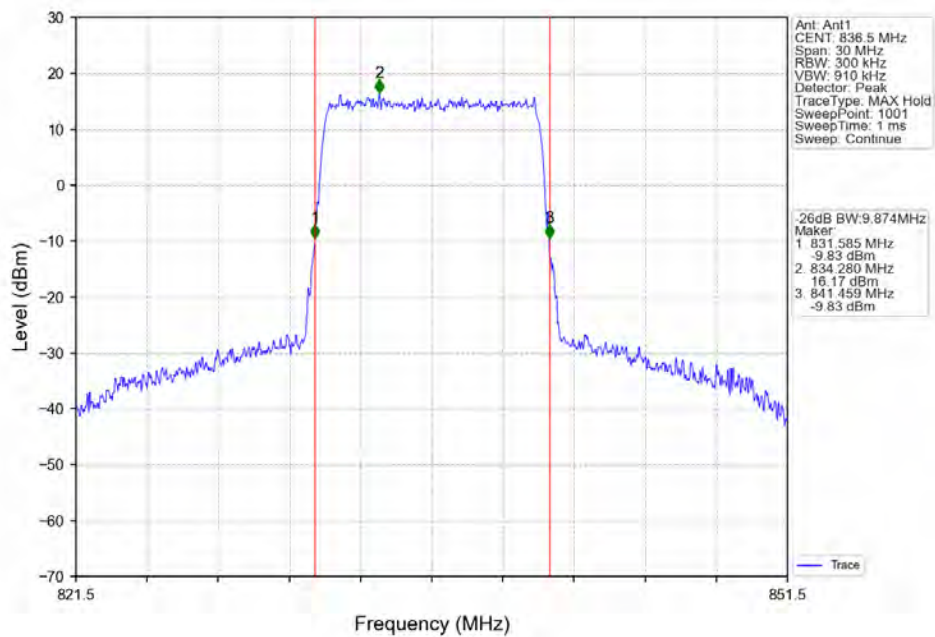
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTNV



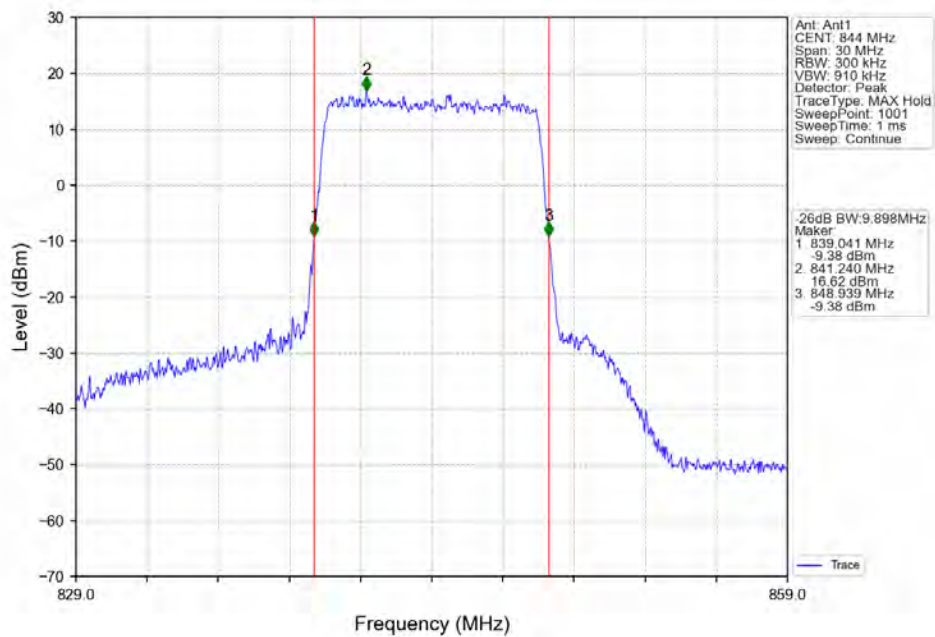
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTNV



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



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



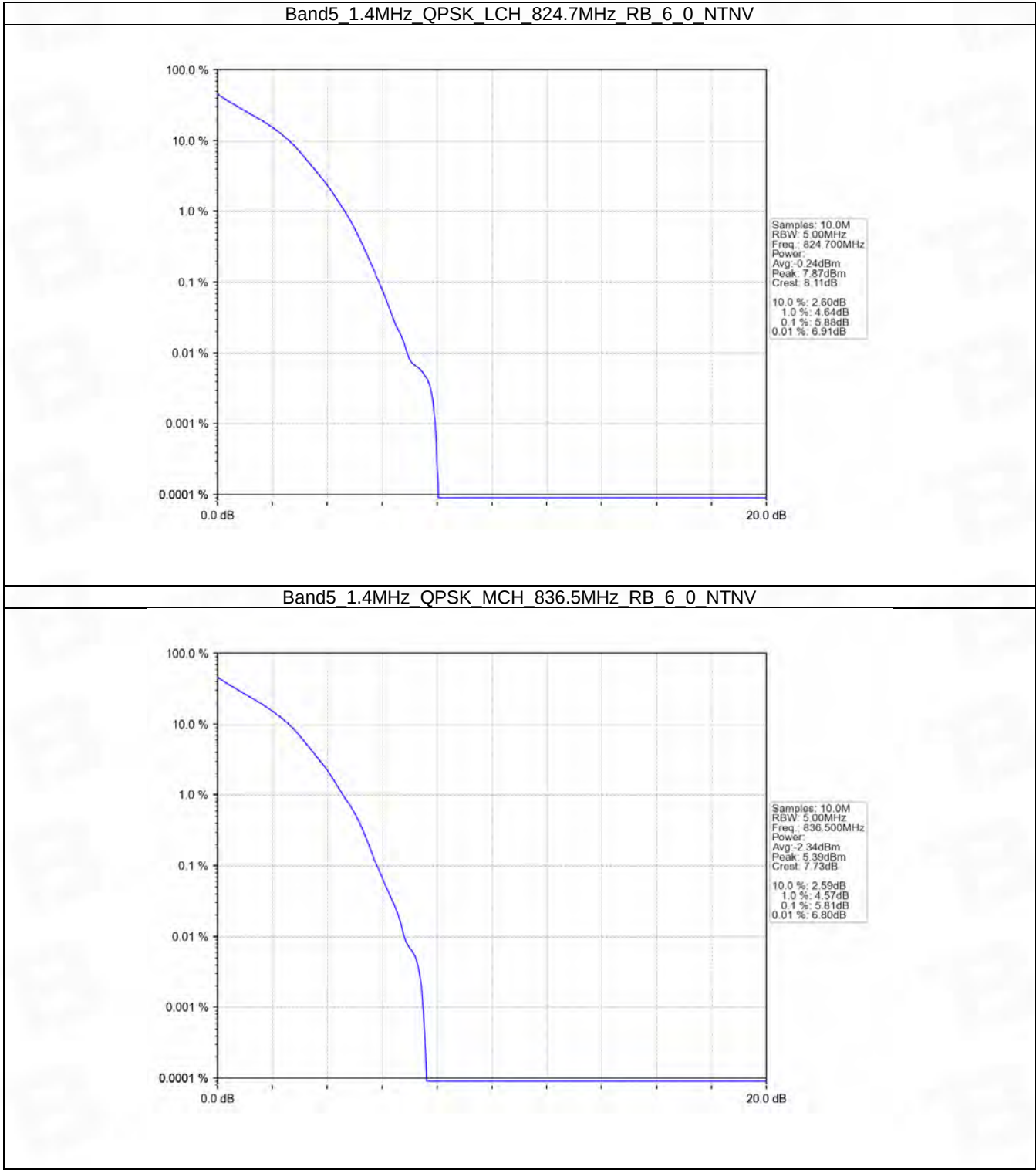
5. Peak-Average Ratio

5.1 B5_1.4MHz

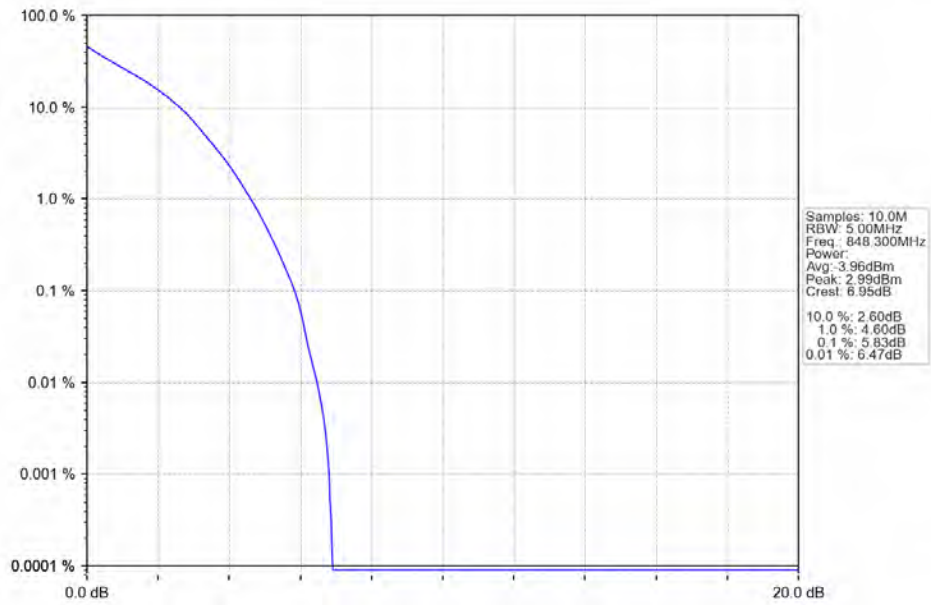
5.1.1 Test Result

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	5.88	<=13	Pass
	836.5	6	0	5.81	<=13	Pass
	848.3	6	0	5.83	<=13	Pass
16QAM	824.7	6	0	6.56	<=13	Pass
	836.5	6	0	6.62	<=13	Pass
	848.3	6	0	6.47	<=13	Pass

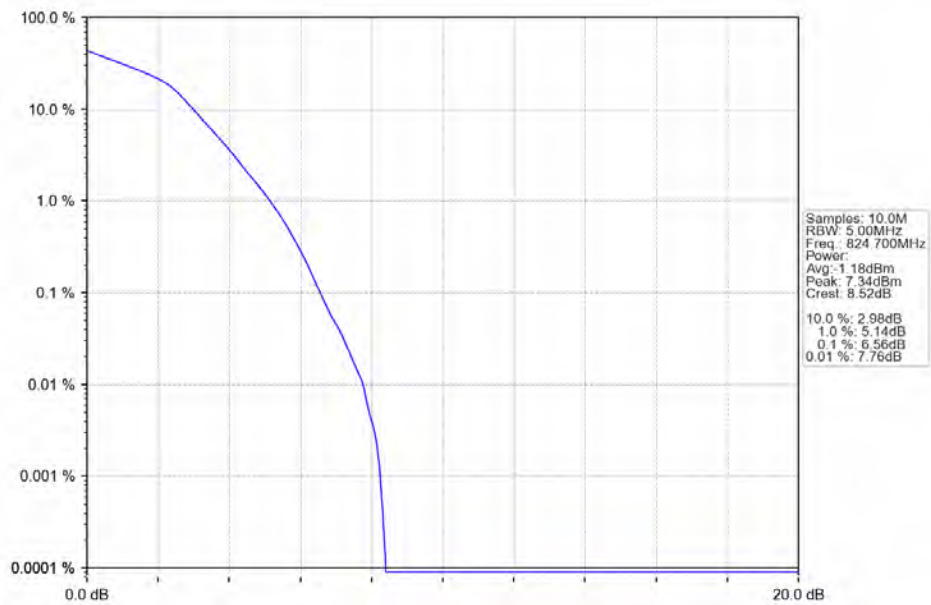
5.1.2 Test Graph



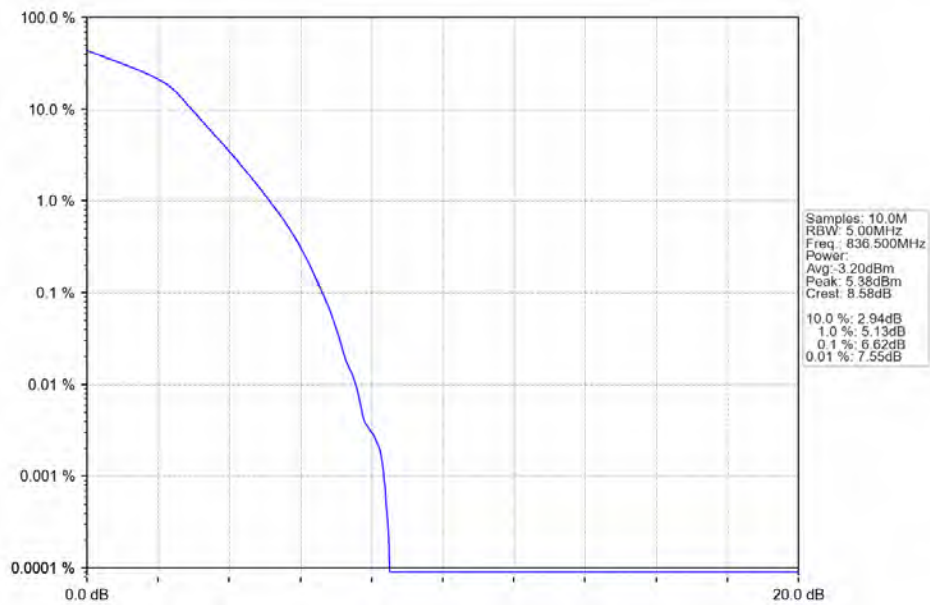
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



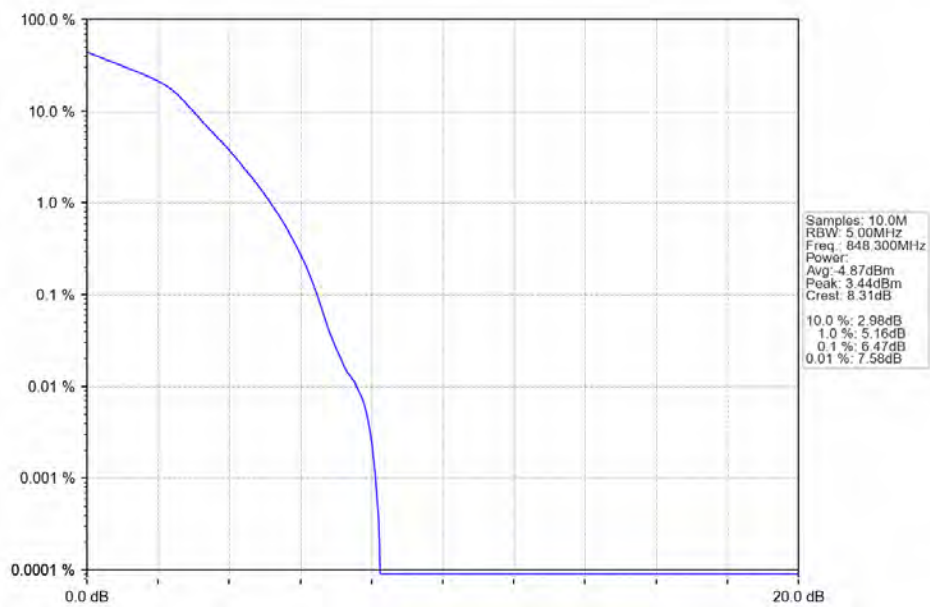
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



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

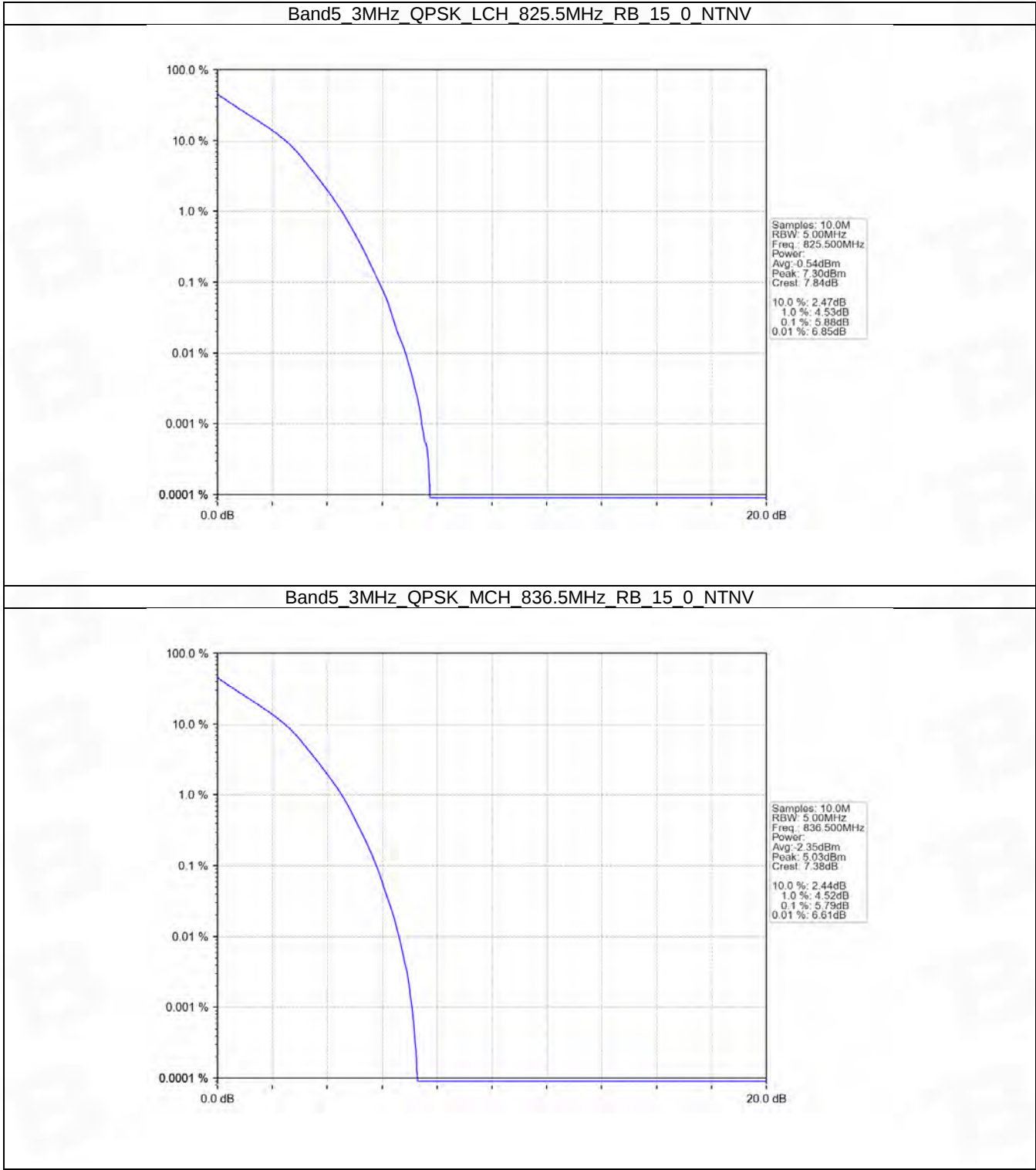


5.2 B5_3MHz

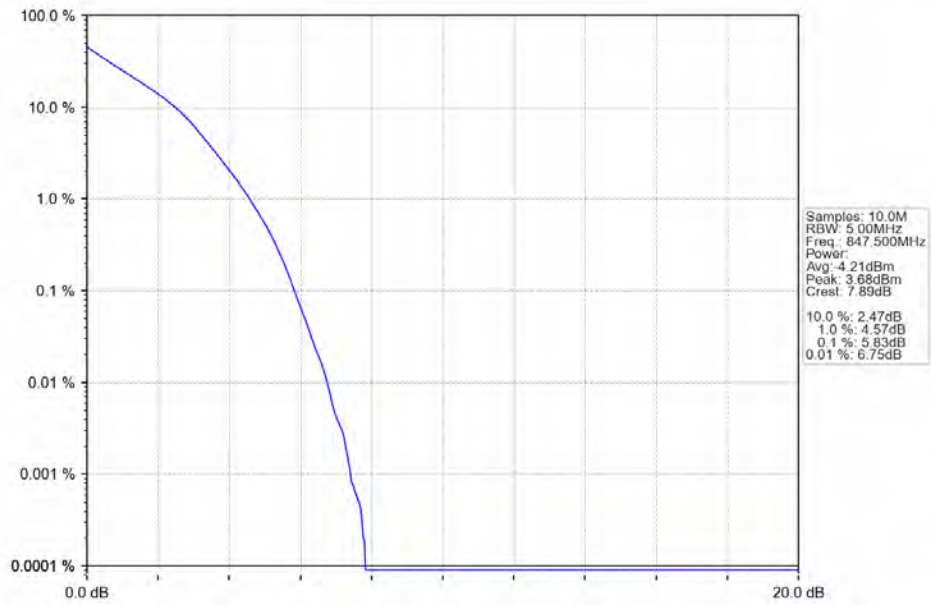
5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.88	<=13	Pass
	836.5	15	0	5.79	<=13	Pass
	847.5	15	0	5.83	<=13	Pass
16QAM	825.5	15	0	6.62	<=13	Pass
	836.5	15	0	6.61	<=13	Pass
	847.5	15	0	6.58	<=13	Pass

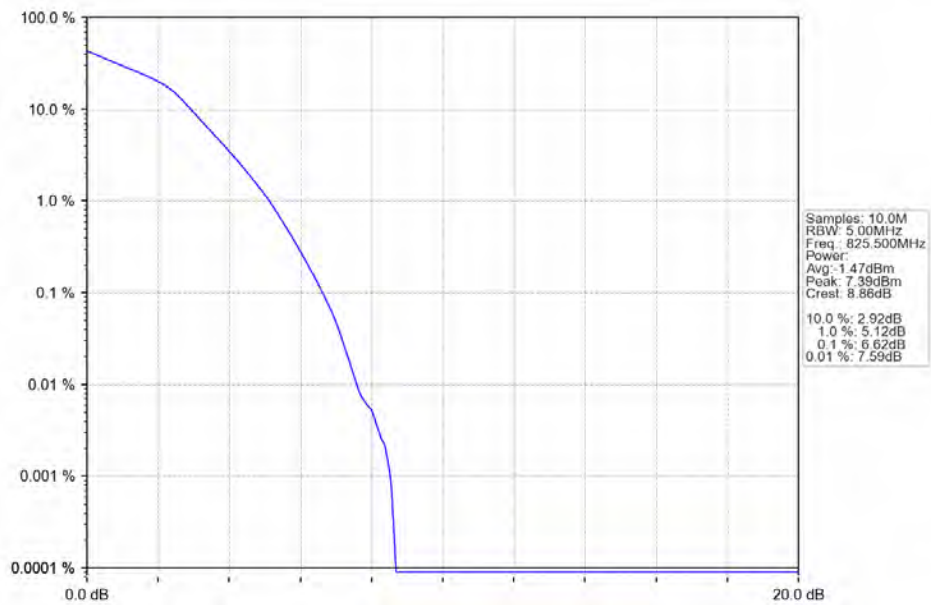
5.2.2 Test Graph



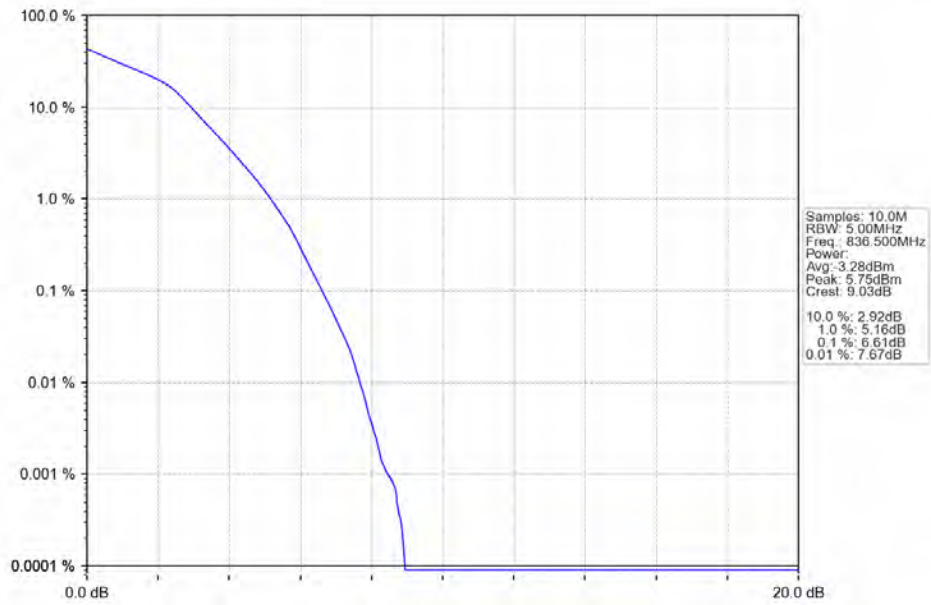
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTNV



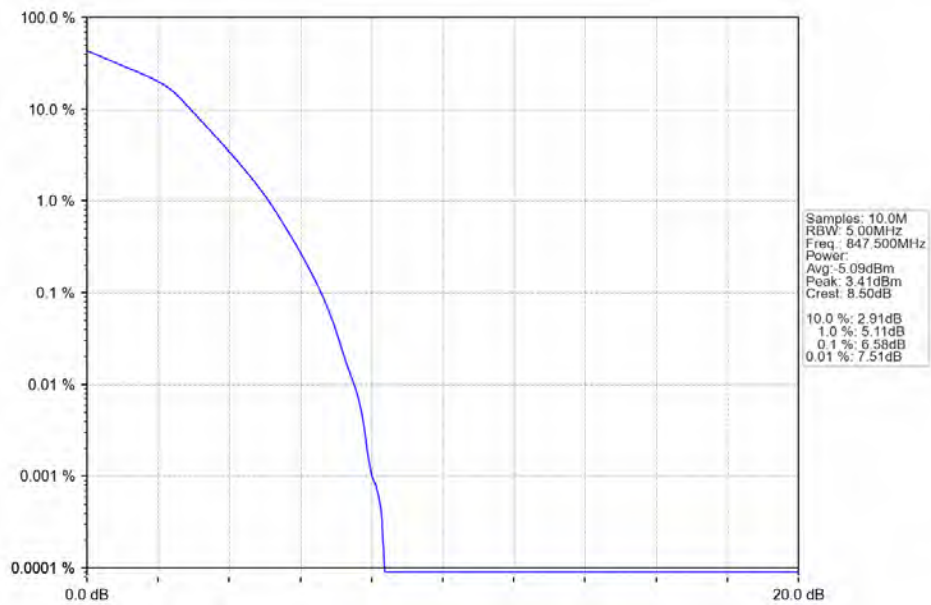
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV



Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV

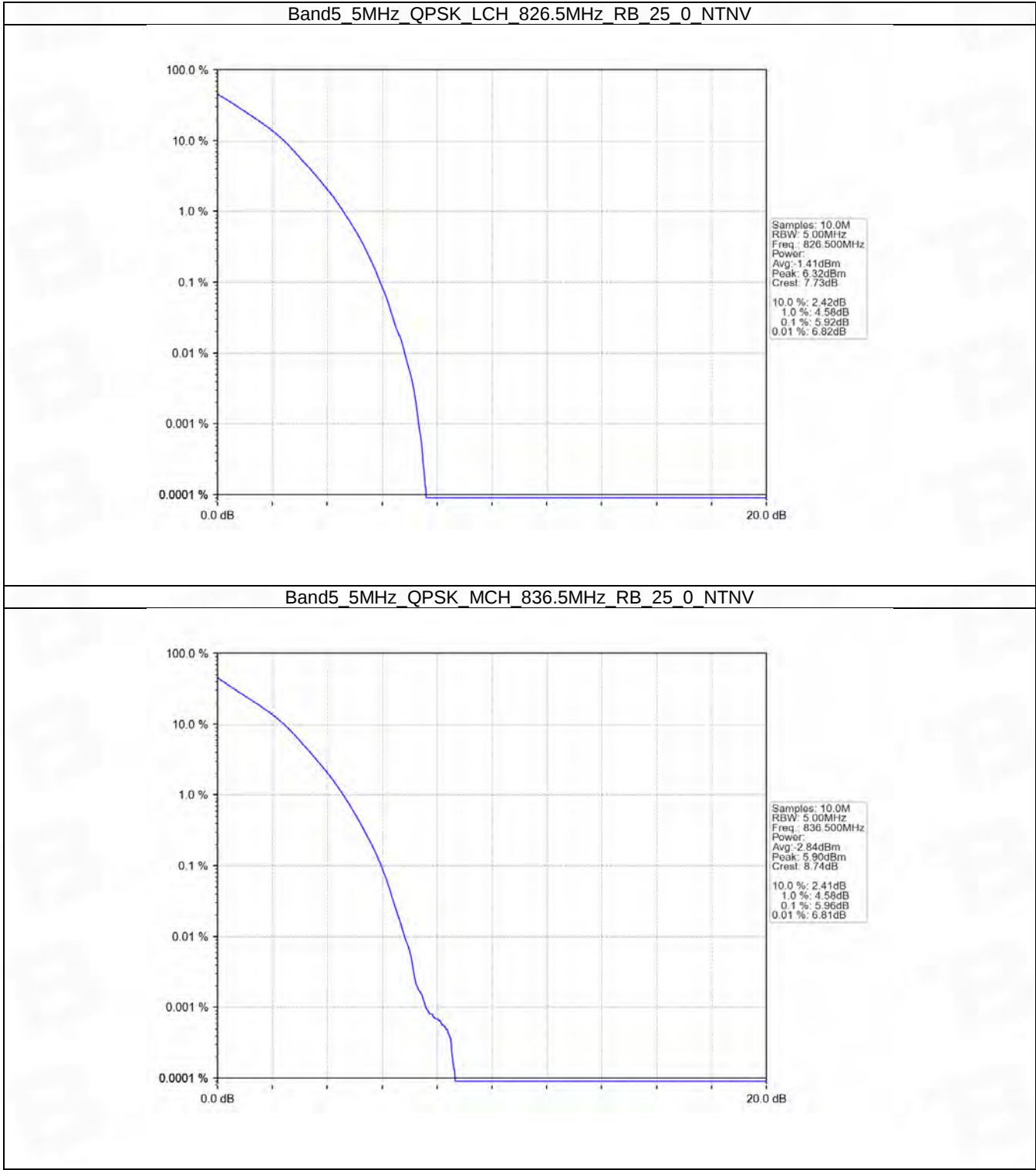


5.3 B5_5MHz

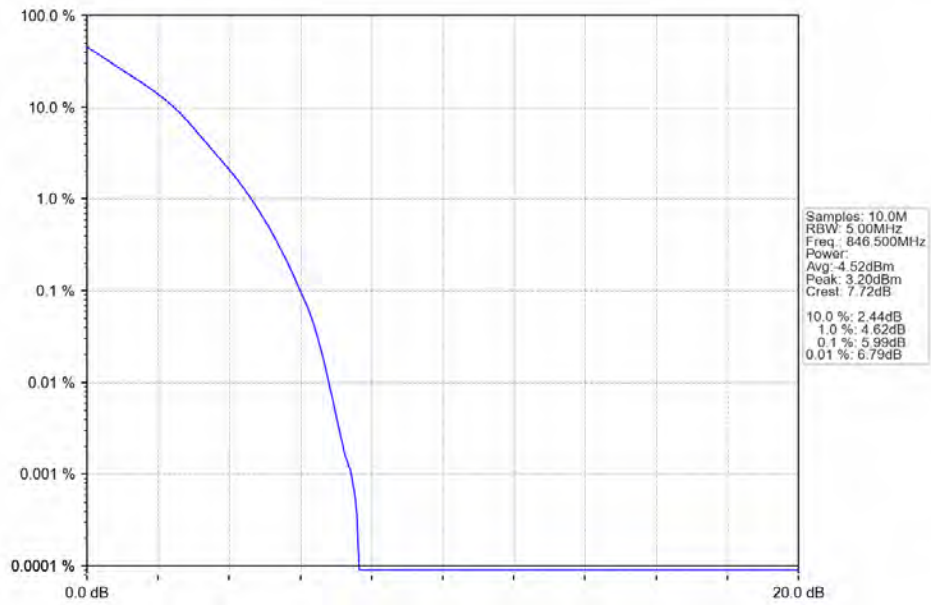
5.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.92	<=13	Pass
	836.5	25	0	5.96	<=13	Pass
	846.5	25	0	5.99	<=13	Pass
16QAM	826.5	25	0	6.55	<=13	Pass
	836.5	25	0	6.61	<=13	Pass
	846.5	25	0	6.61	<=13	Pass

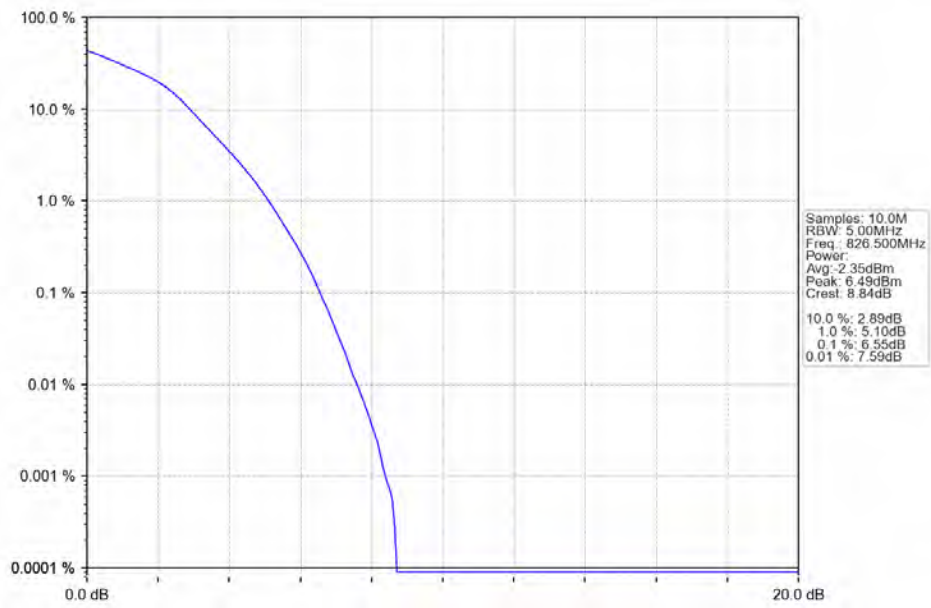
5.3.2 Test Graph



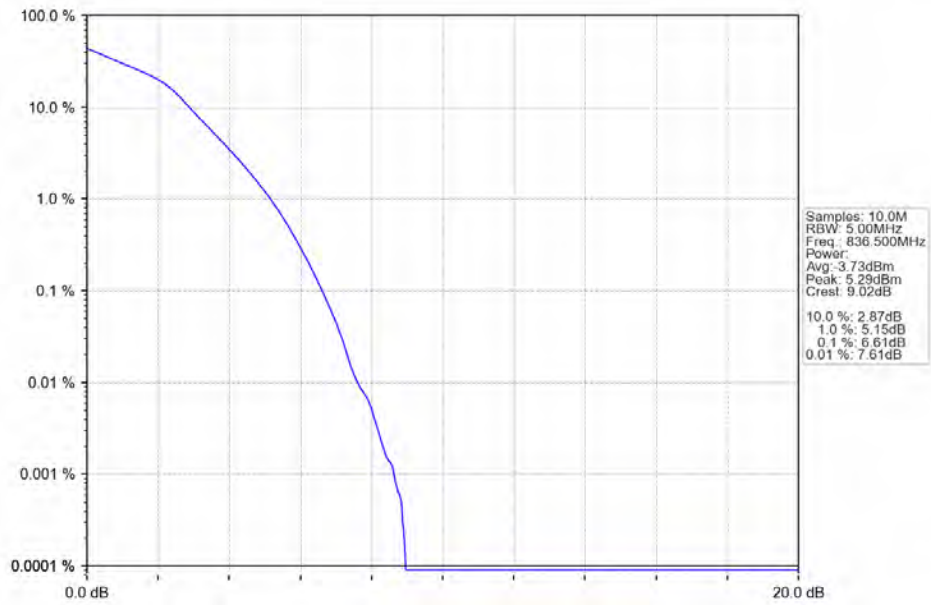
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



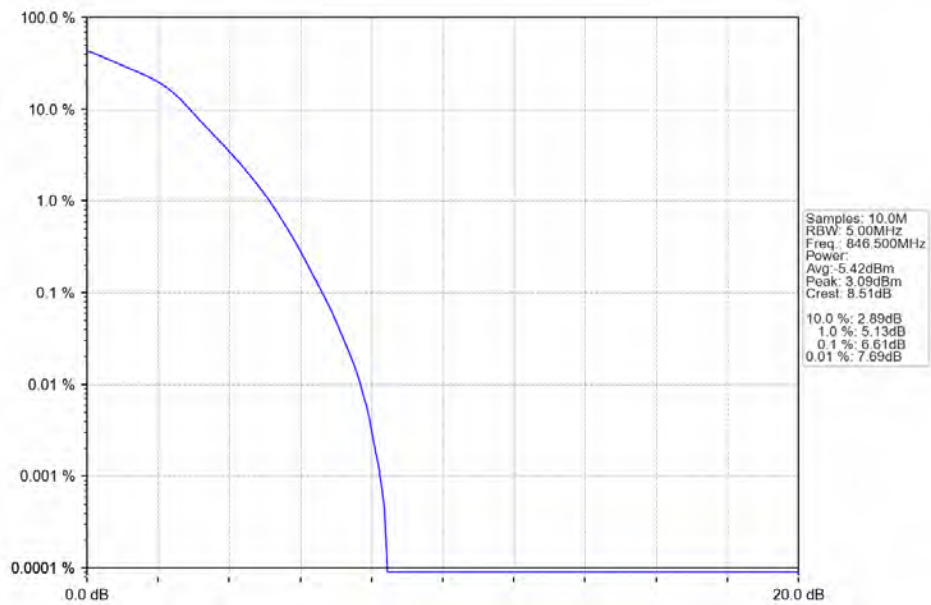
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV

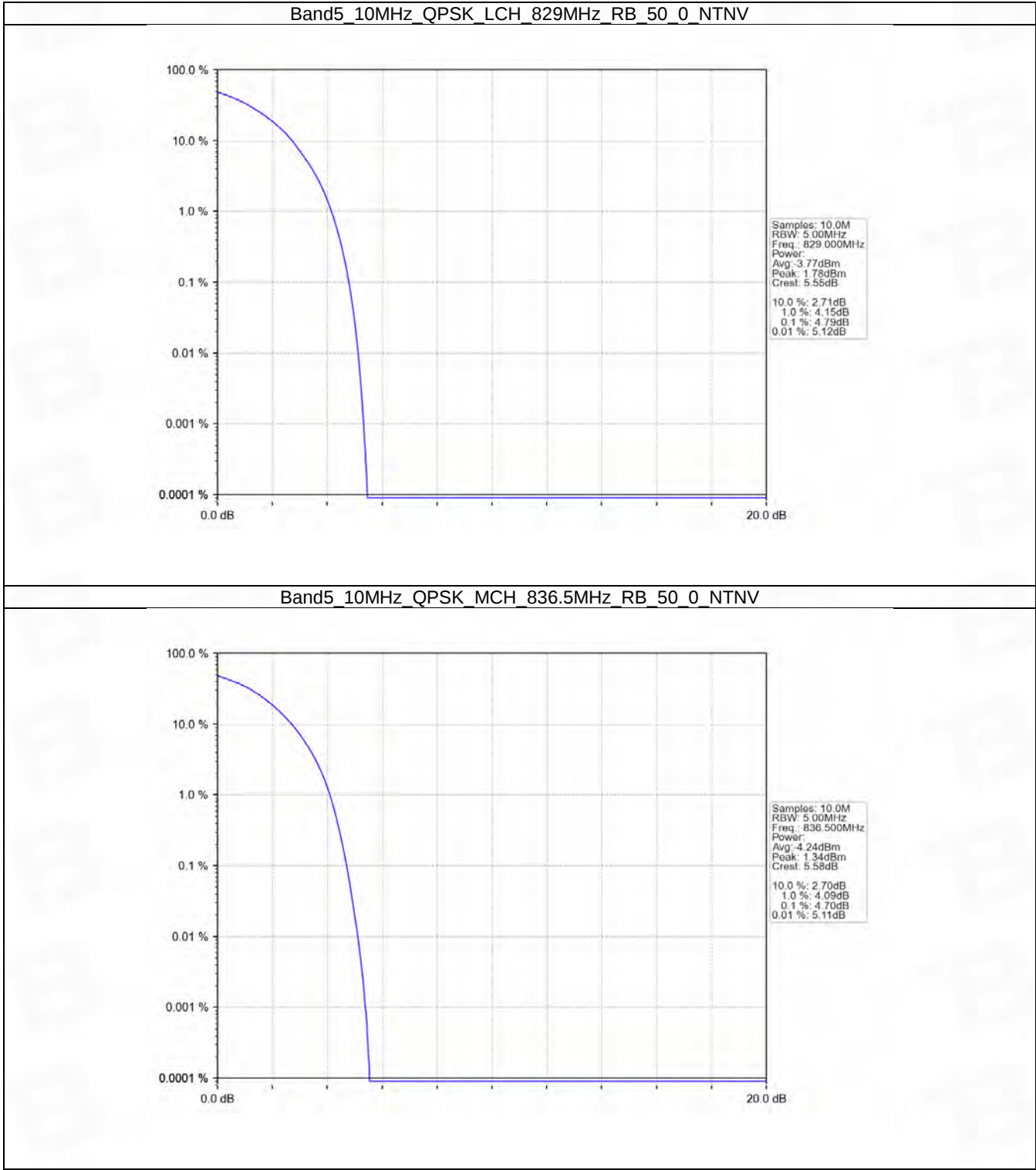


5.4 B5_10MHz

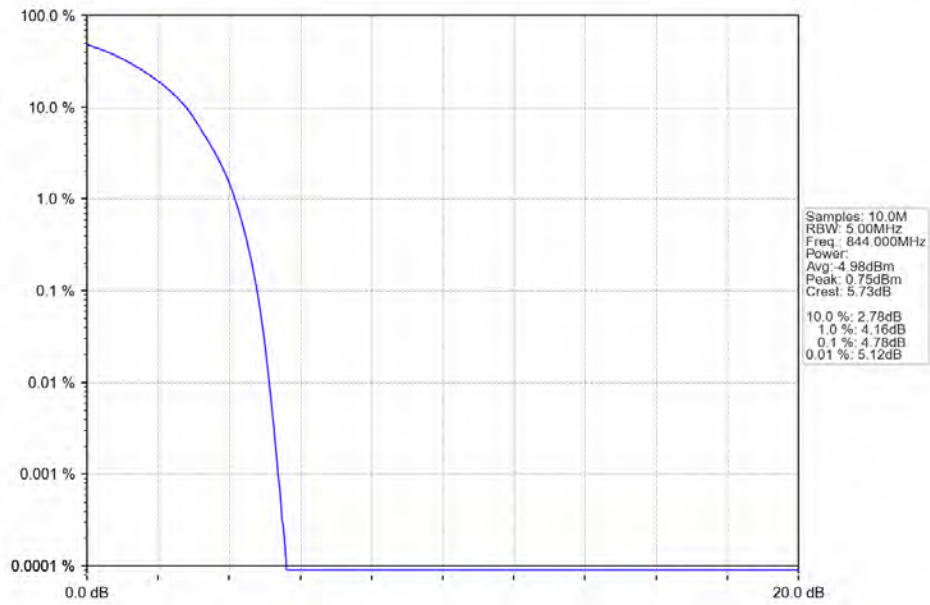
5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	4.79	<=13	Pass
	836.5	50	0	4.70	<=13	Pass
	844	50	0	4.78	<=13	Pass
16QAM	829	50	0	6.22	<=13	Pass
	836.5	50	0	6.17	<=13	Pass
	844	50	0	6.22	<=13	Pass

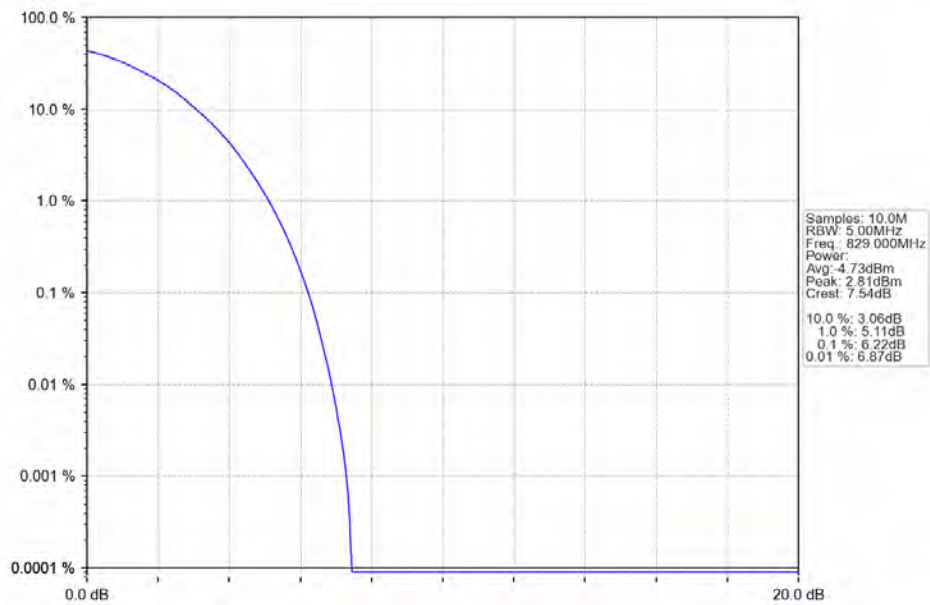
5.4.2 Test Graph



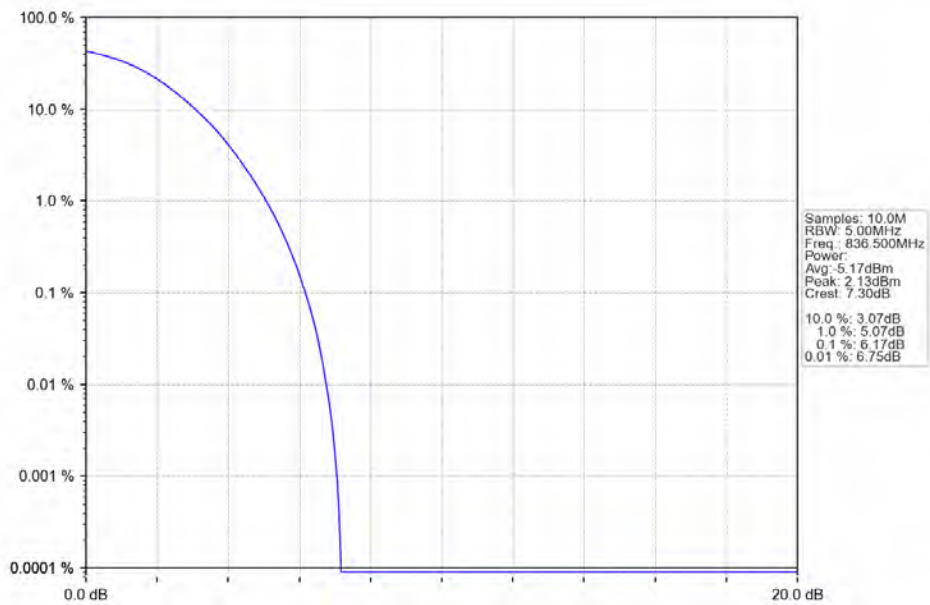
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTNV



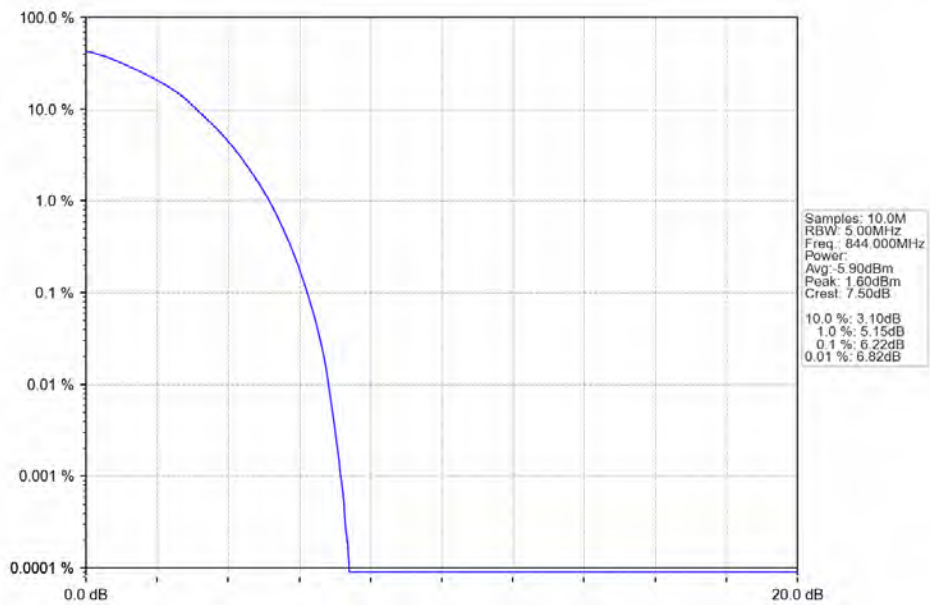
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTNV



Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



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



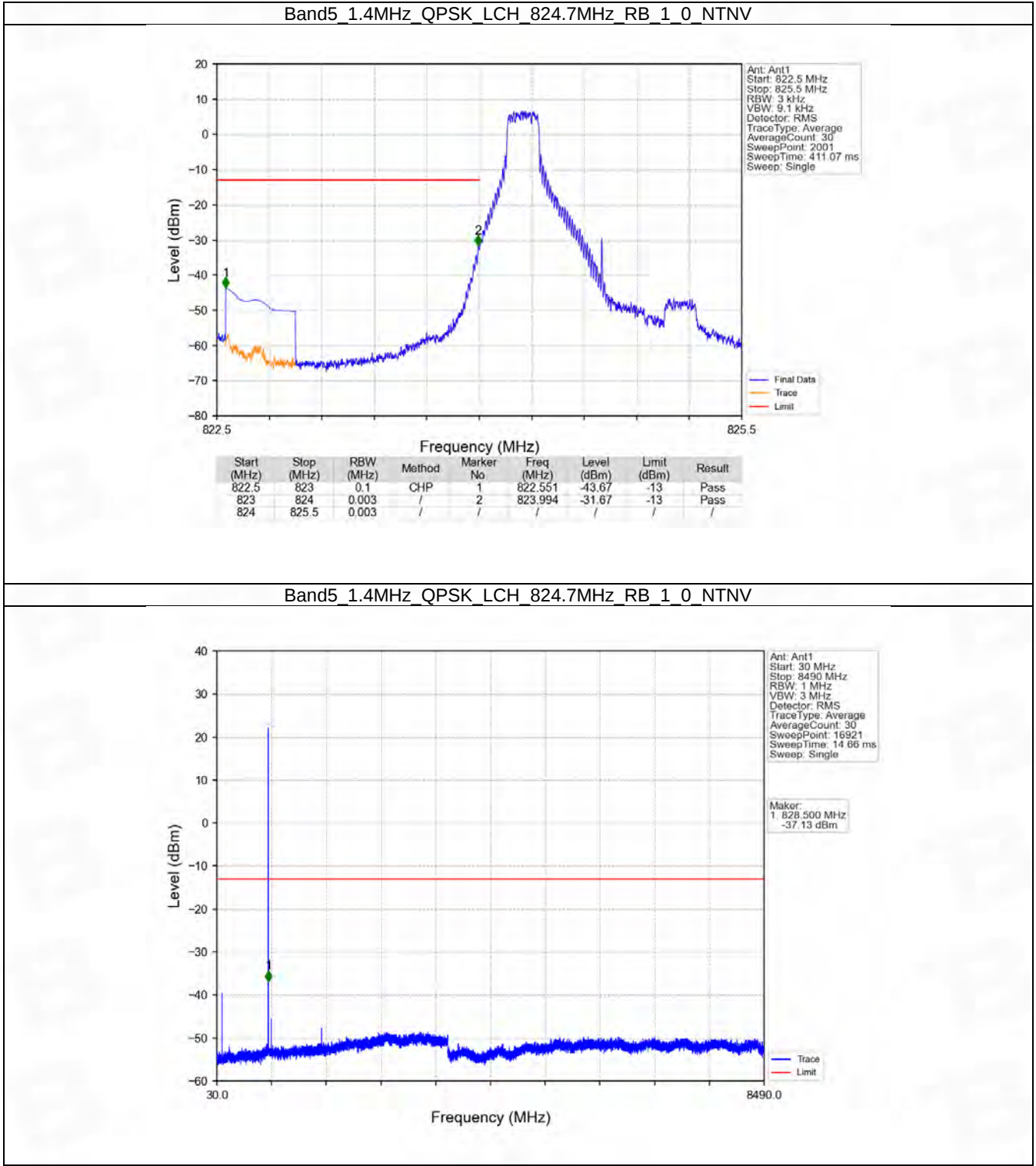
6. Spurious Emission

6.1 B5_1.4MHz

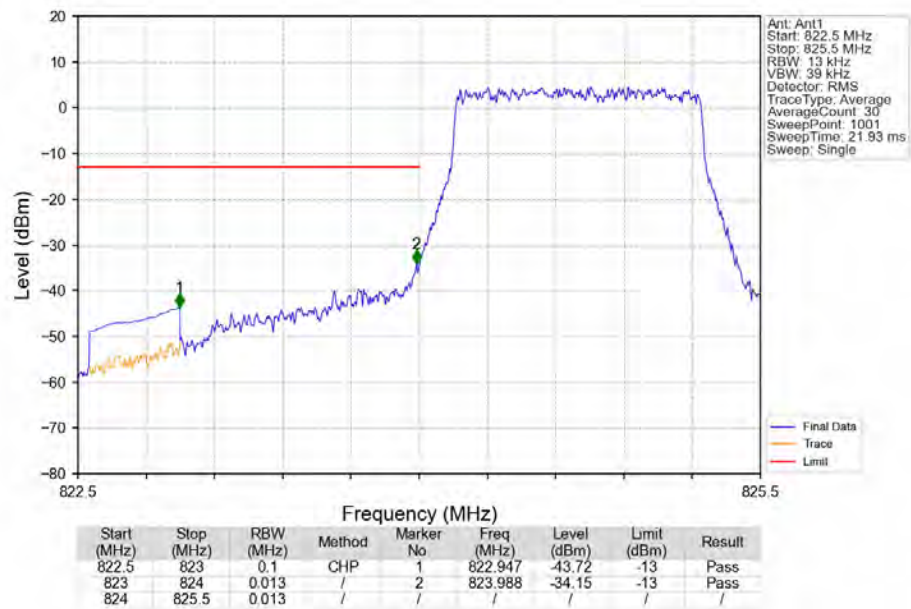
6.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

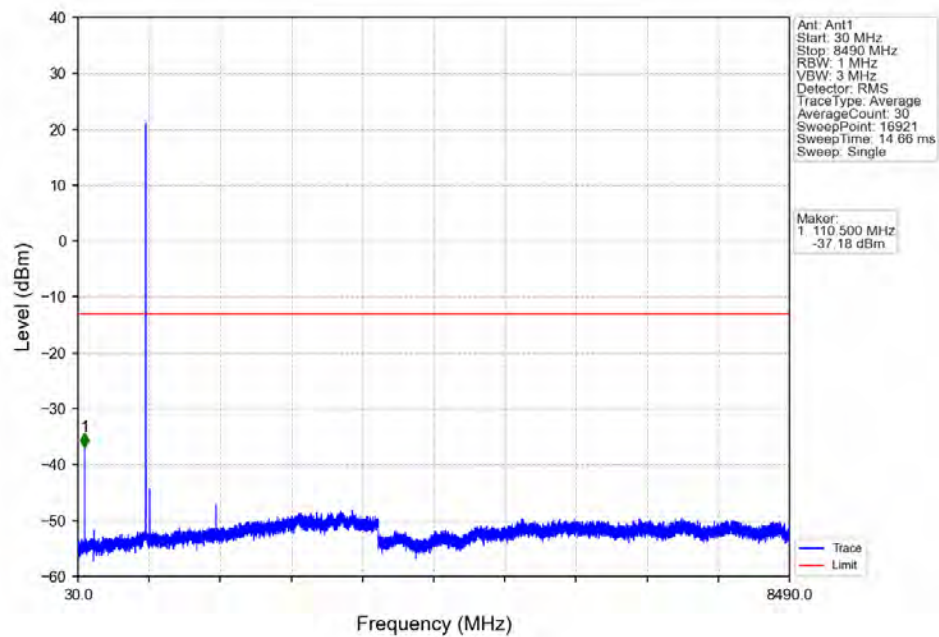
6.1.2 Test Graph



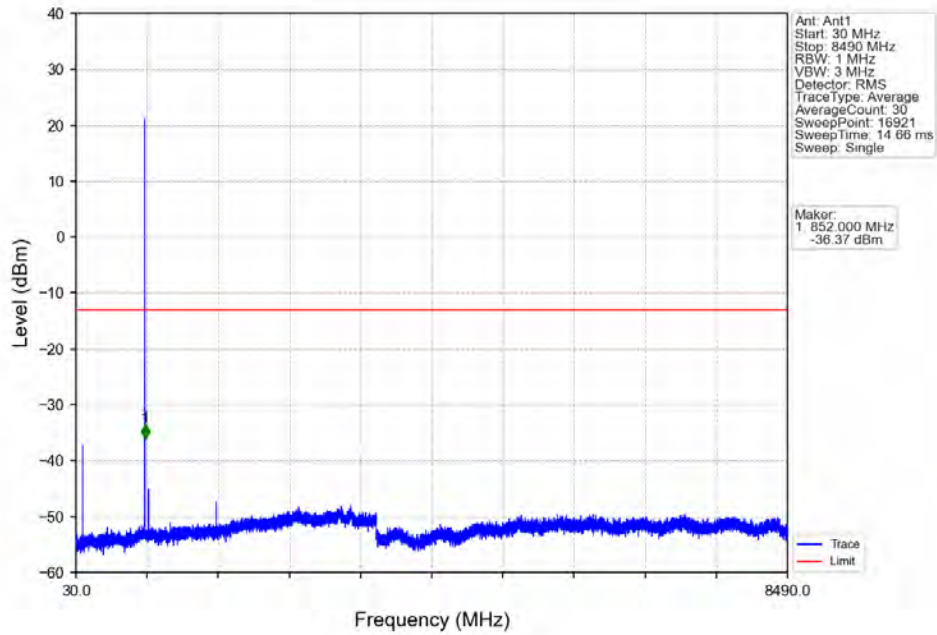
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



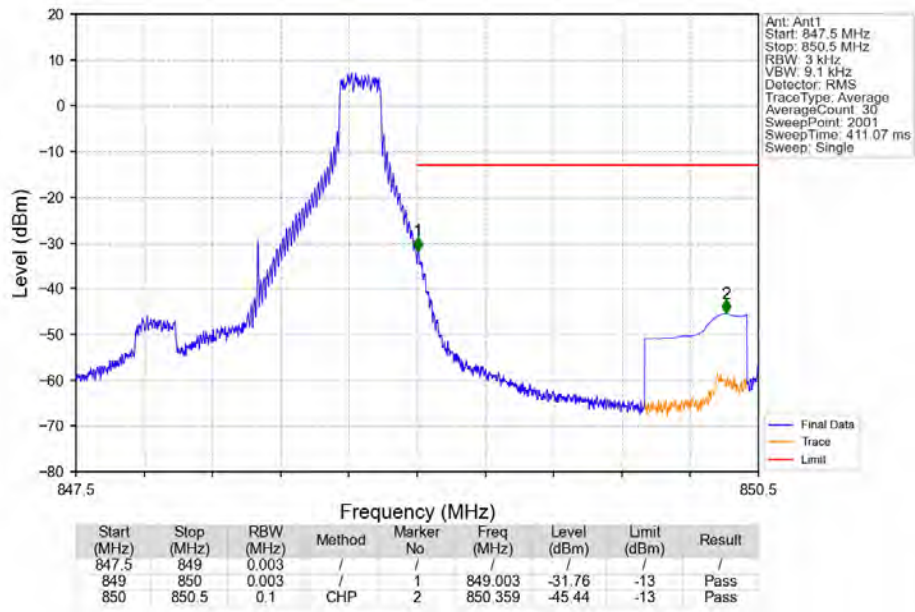
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



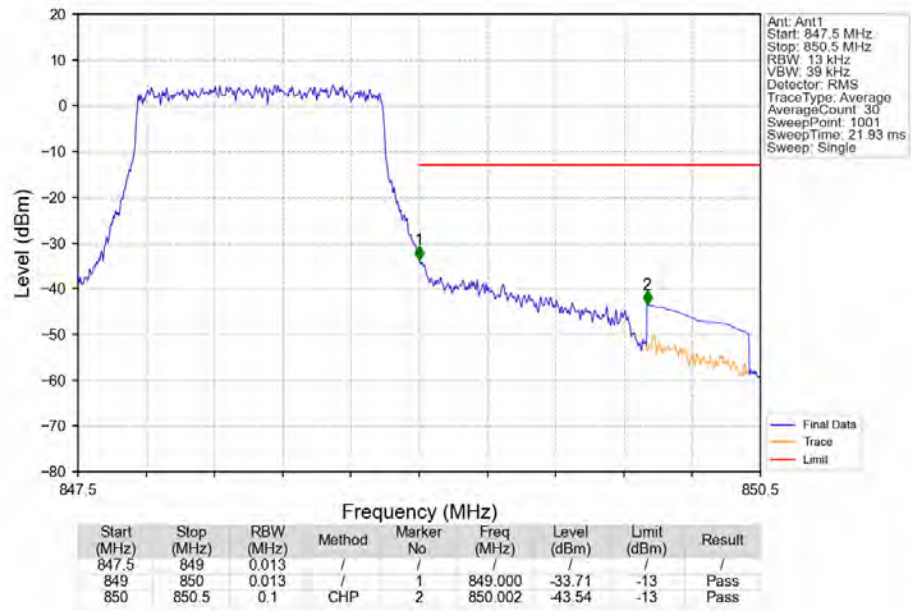
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



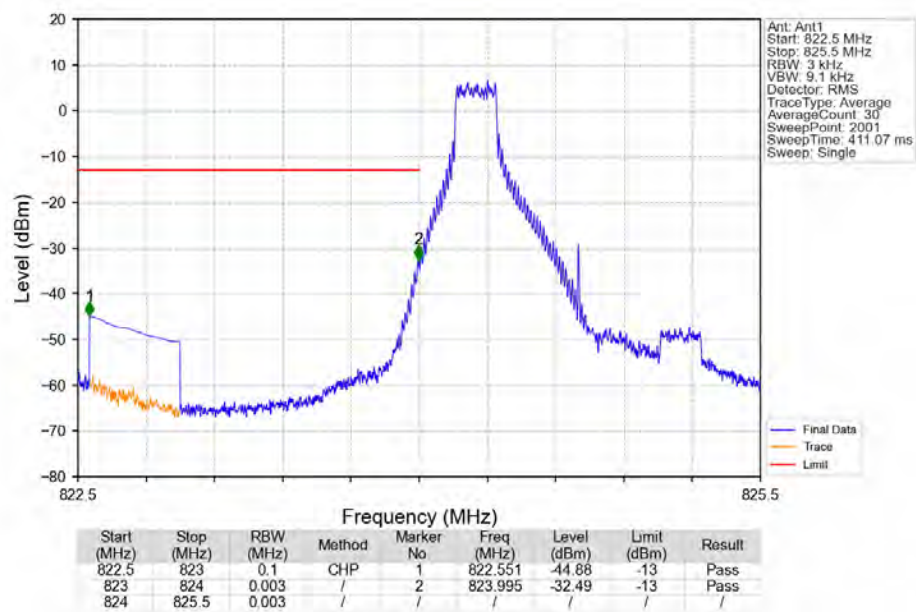
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



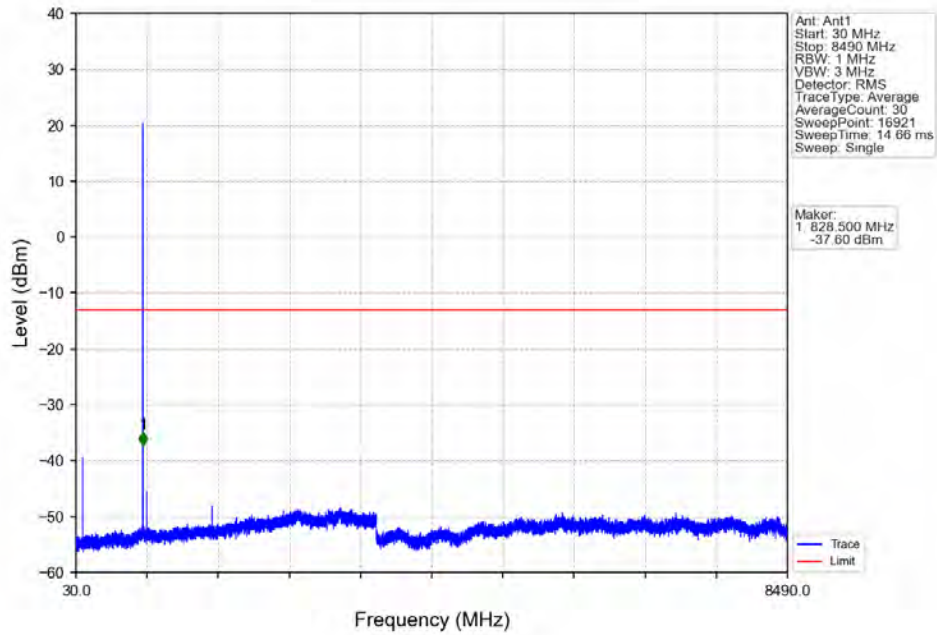
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



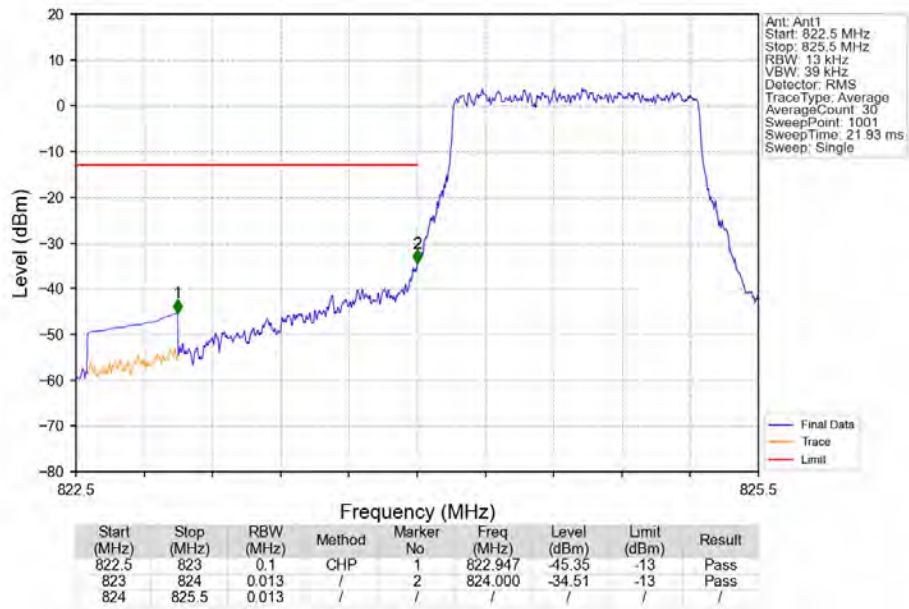
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



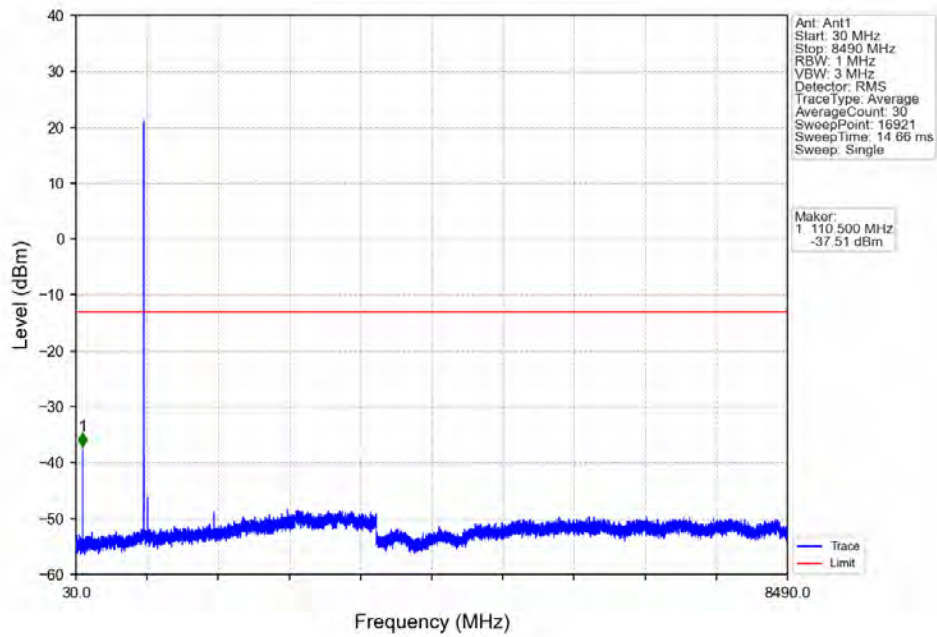
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



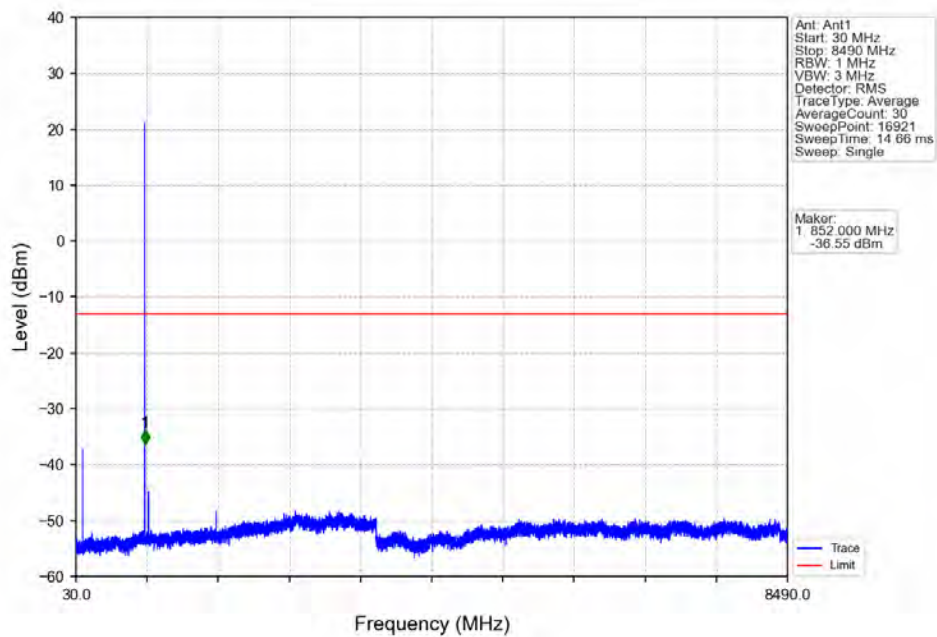
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



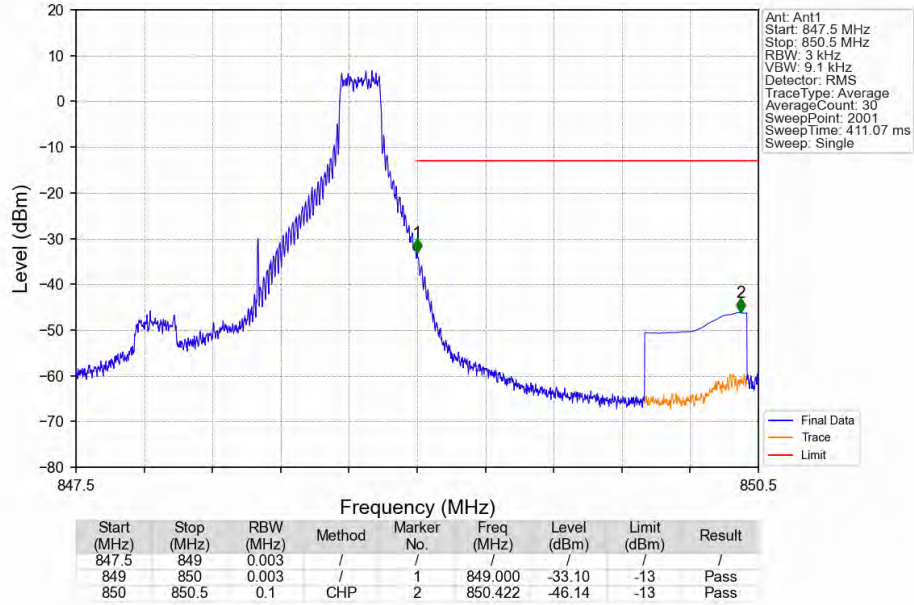
Band5 1.4MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



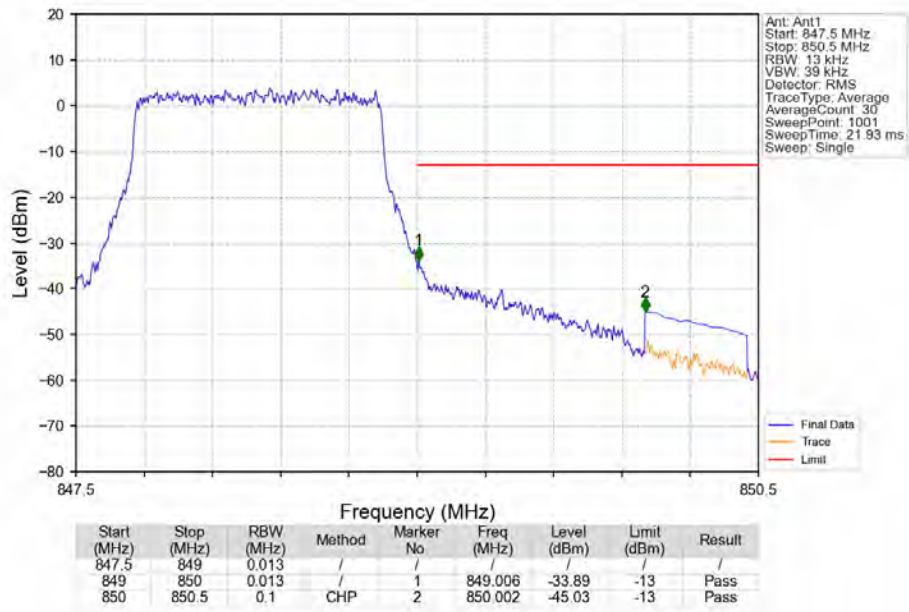
Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 0 NTNV



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



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

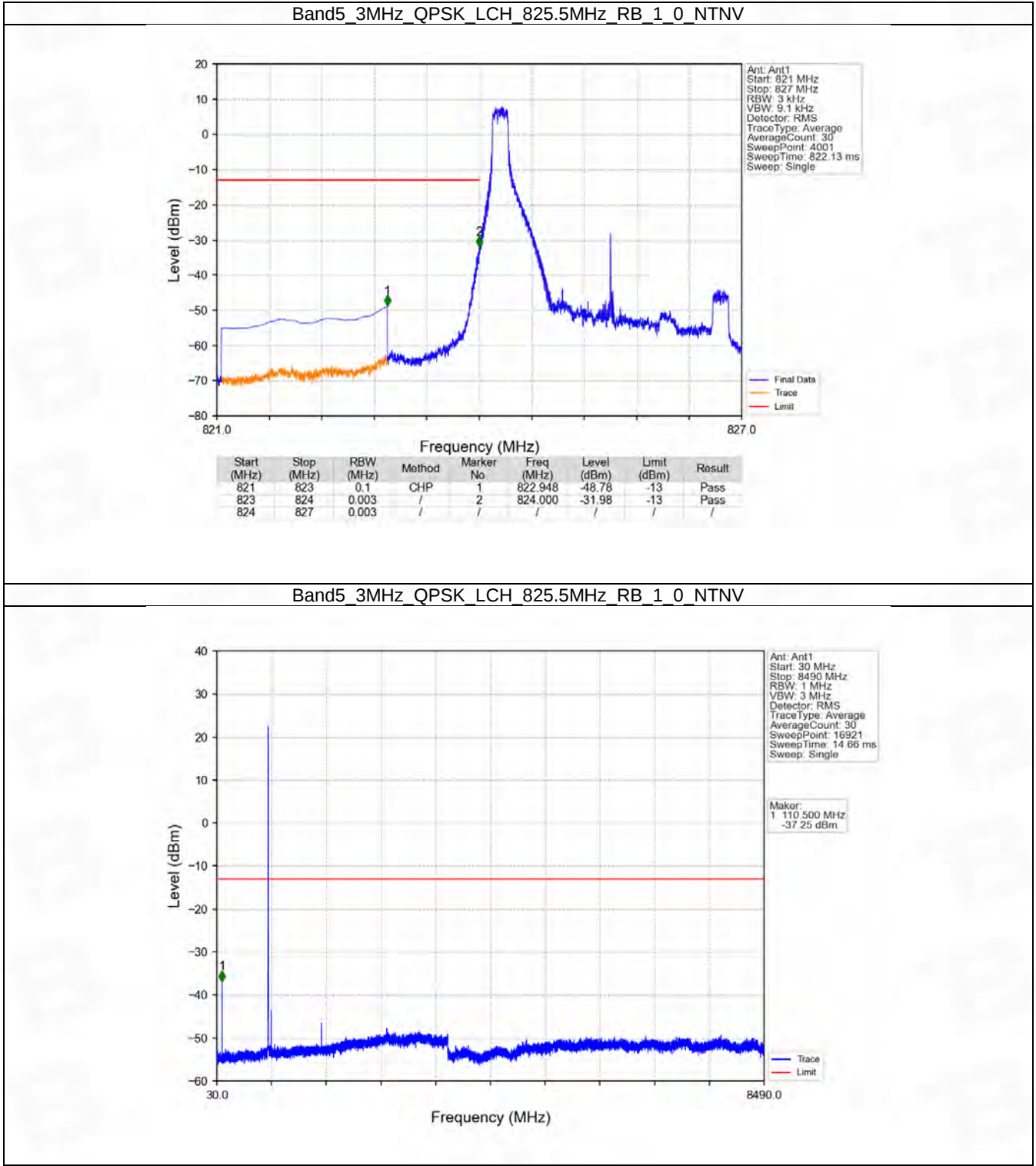


6.2 B5_3MHz

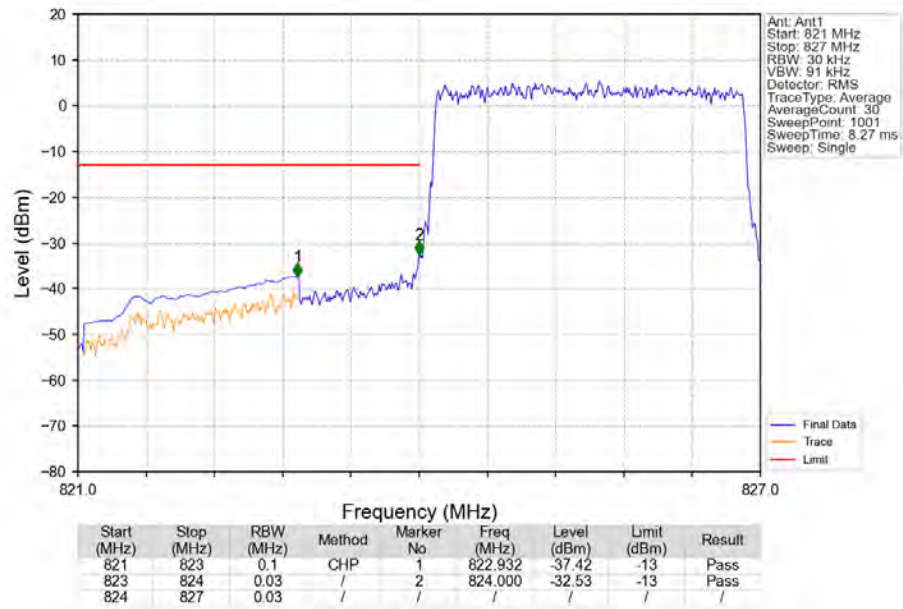
6.2.1 Test Result

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
	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

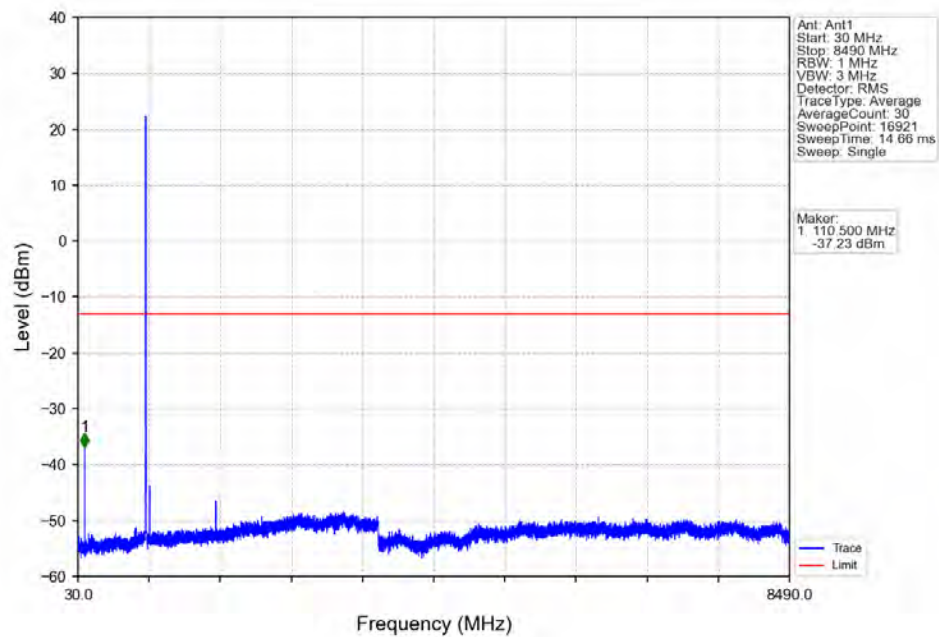
6.2.2 Test Graph



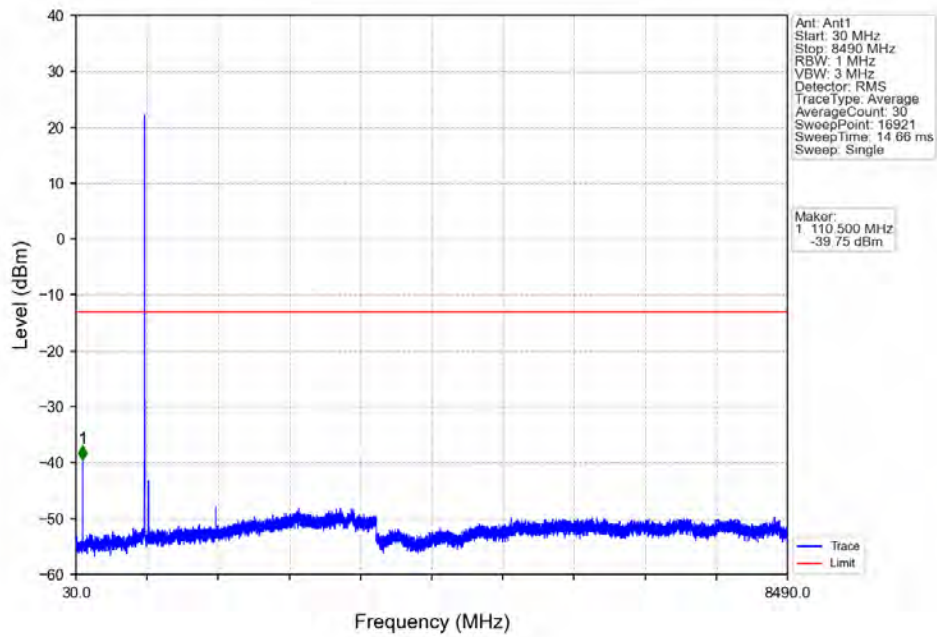
Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTNV



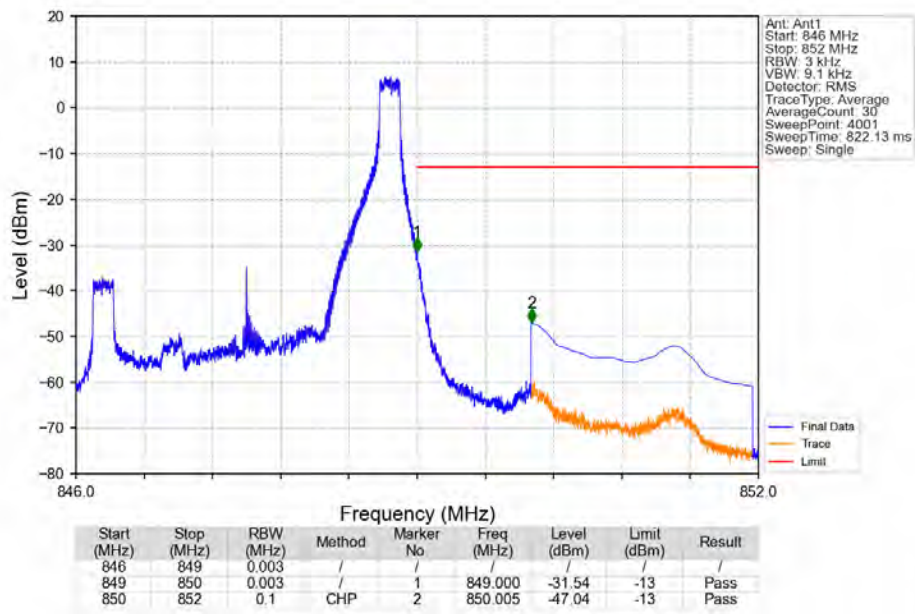
Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTNV



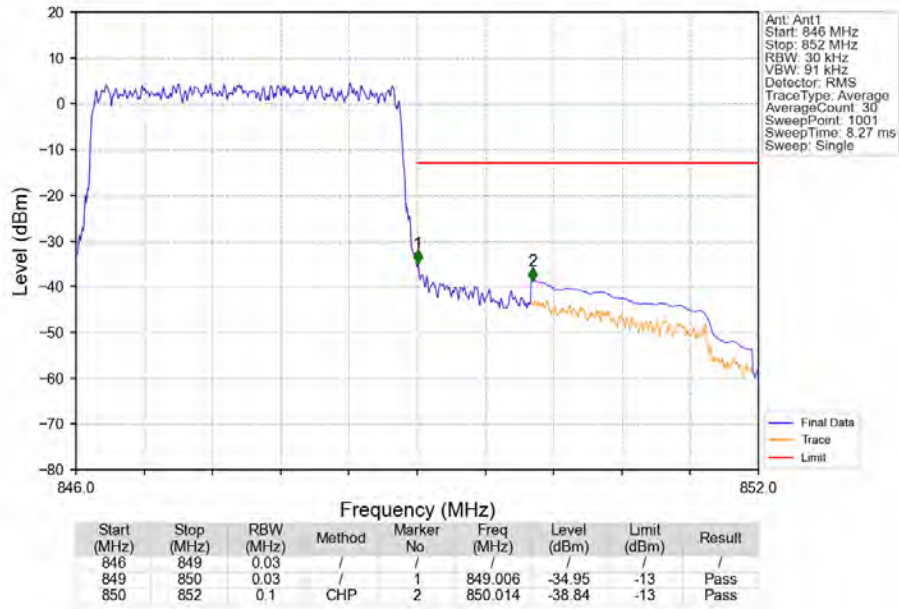
Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTNV



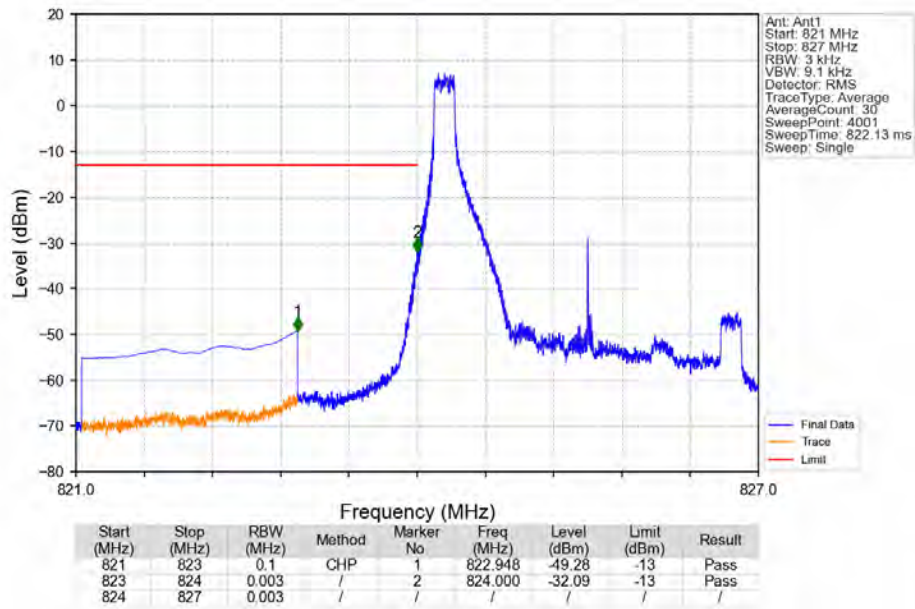
Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTNV



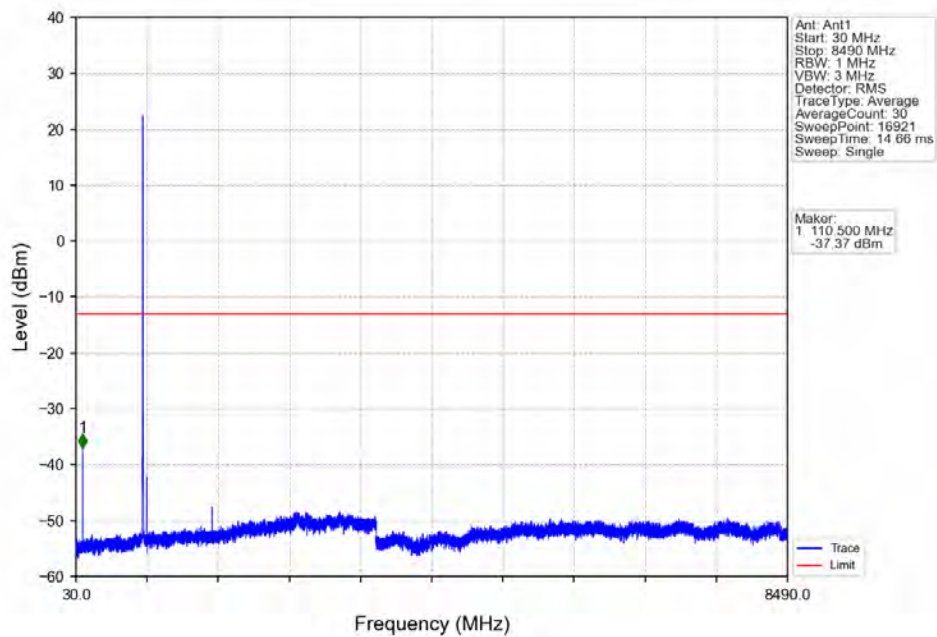
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



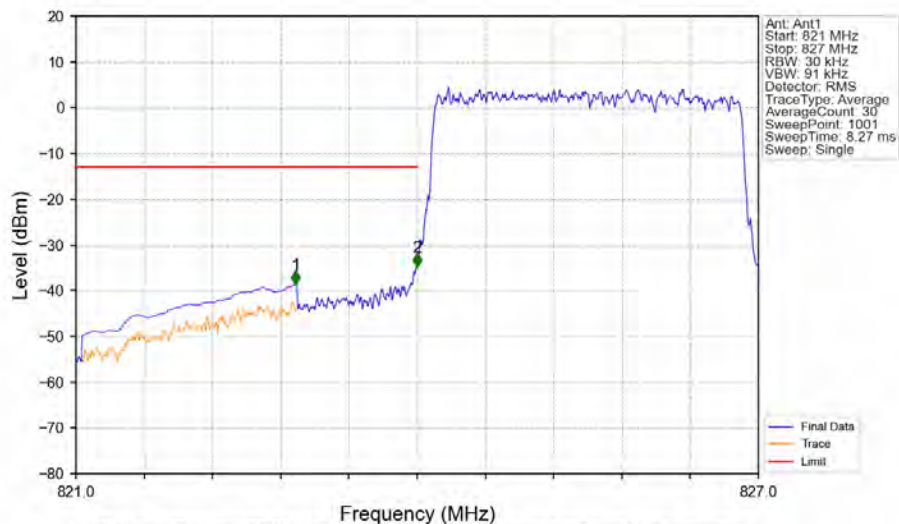
Band5 3MHz 16QAM LCH 825.5MHz RB 1 0 NTN



Band5 3MHz 16QAM LCH 825.5MHz RB 1 0 NTNV

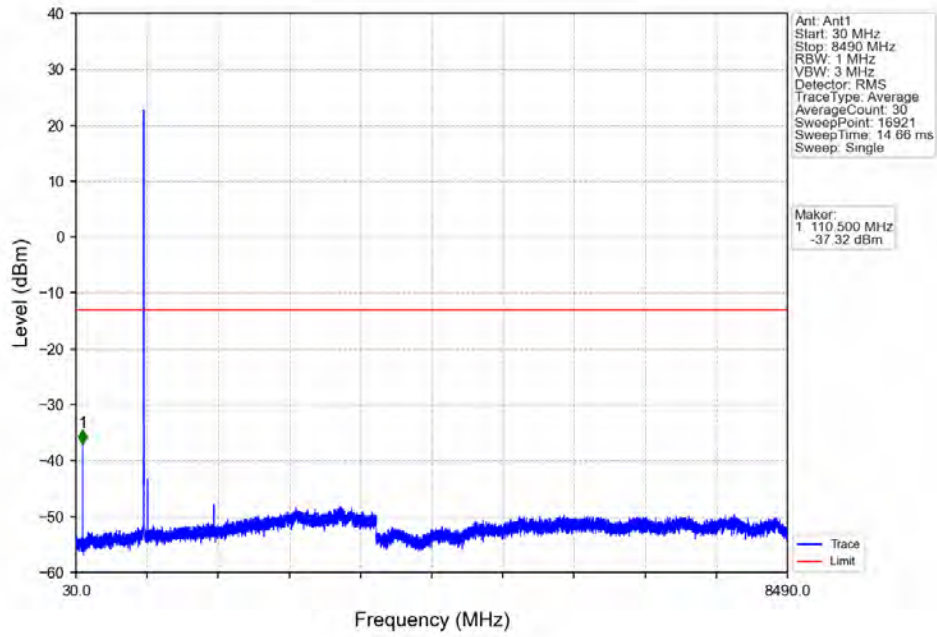


Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV

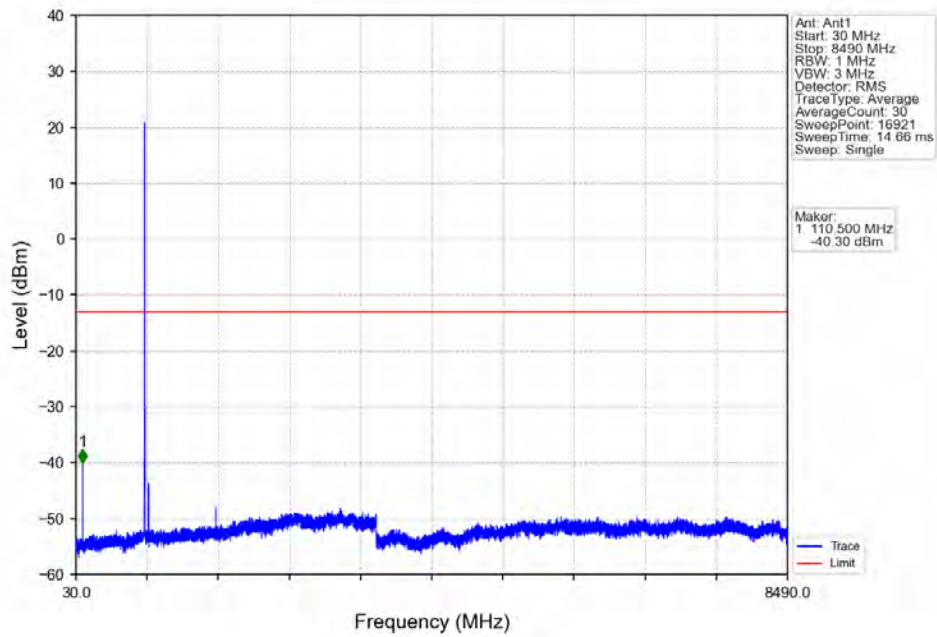


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.932	-38.73	-13	Pass
823	824	0.03	/	2	824.000	-34.85	-13	Pass
824	827	0.03	/	/	/	/	/	/

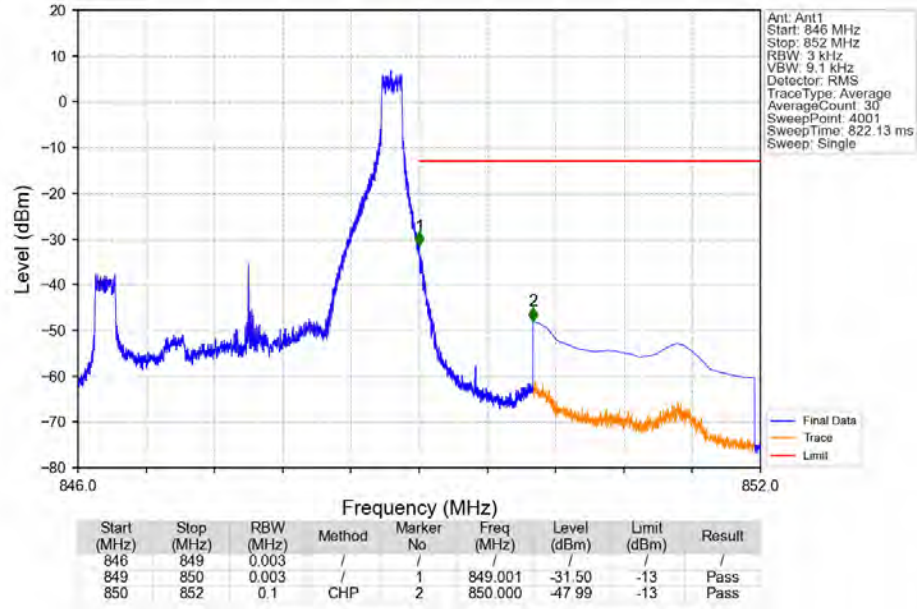
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTN



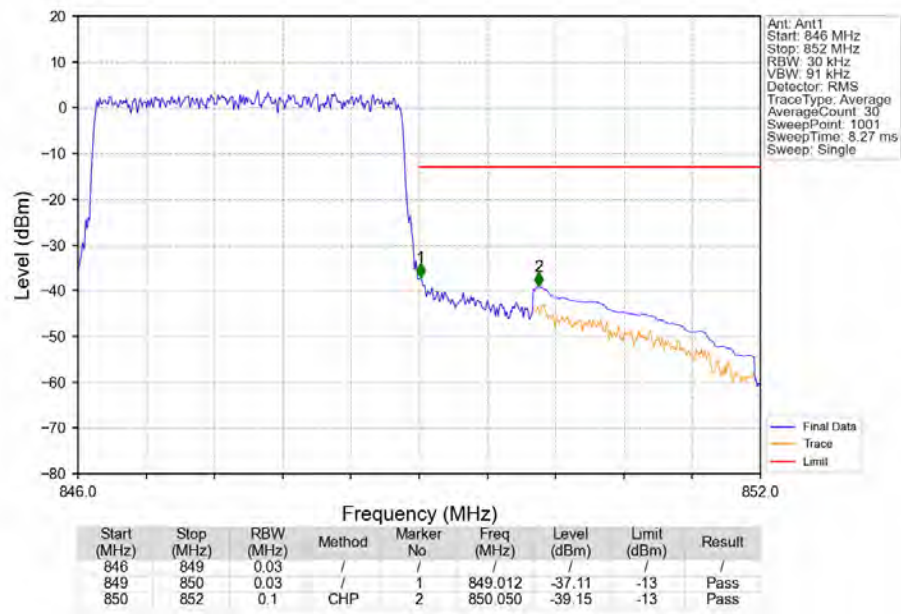
Band5 3MHz 16QAM HCH 847.5MHz RB 1 0 NTN



Band5 3MHz 16QAM HCH 847.5MHz RB 1 14 NTV



Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV

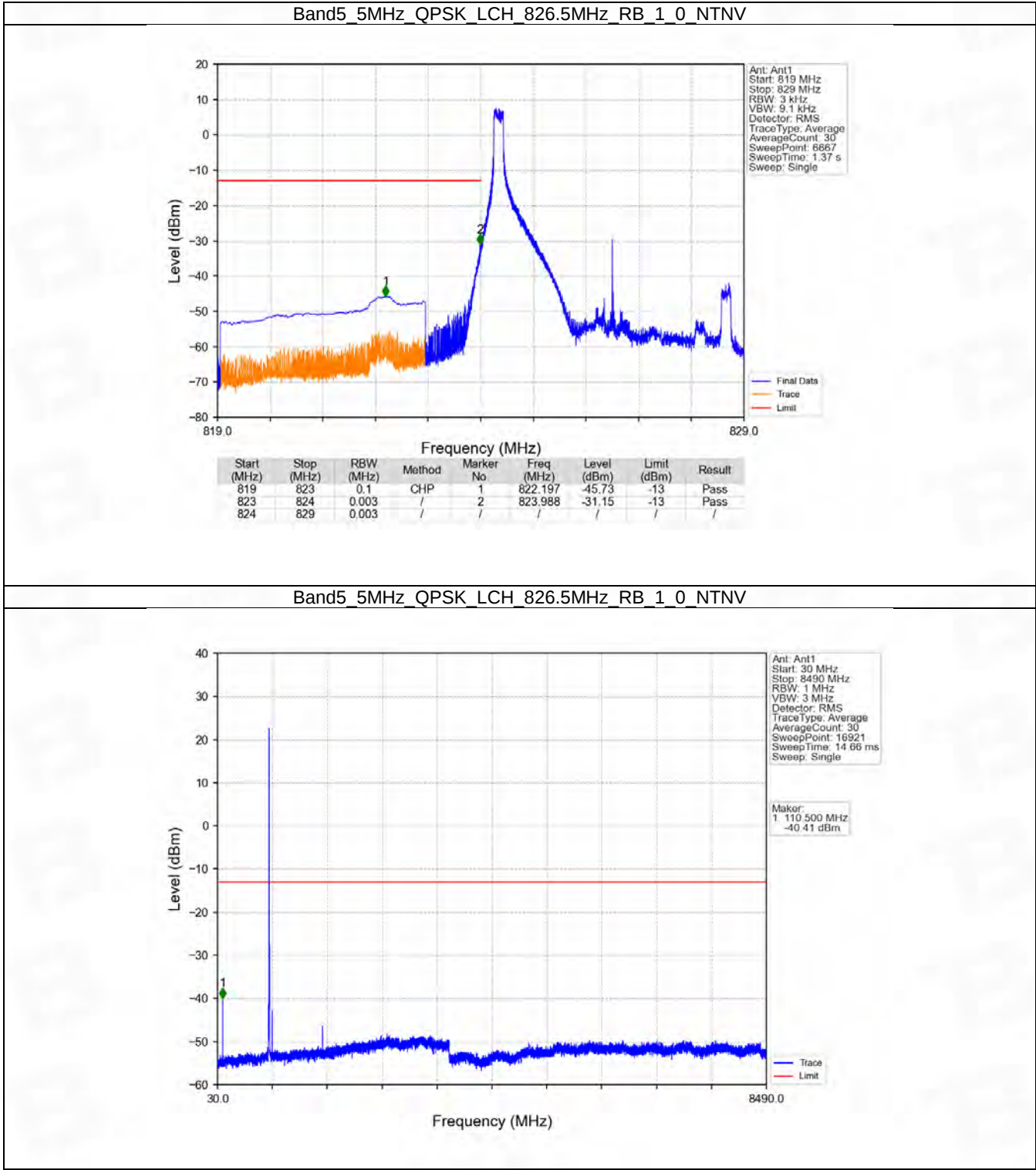


6.3 B5_5MHz

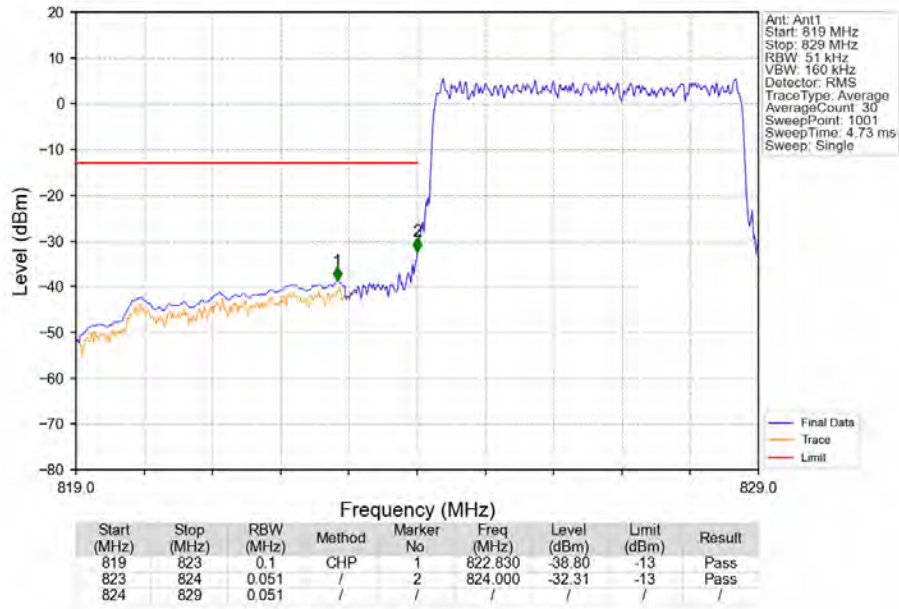
6.3.1 Test Result

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

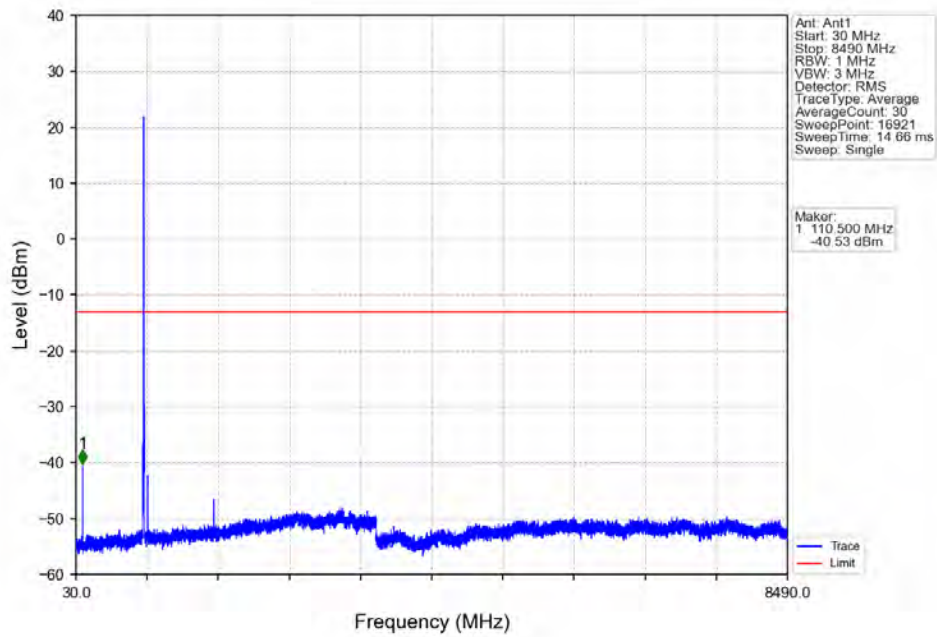
6.3.2 Test Graph



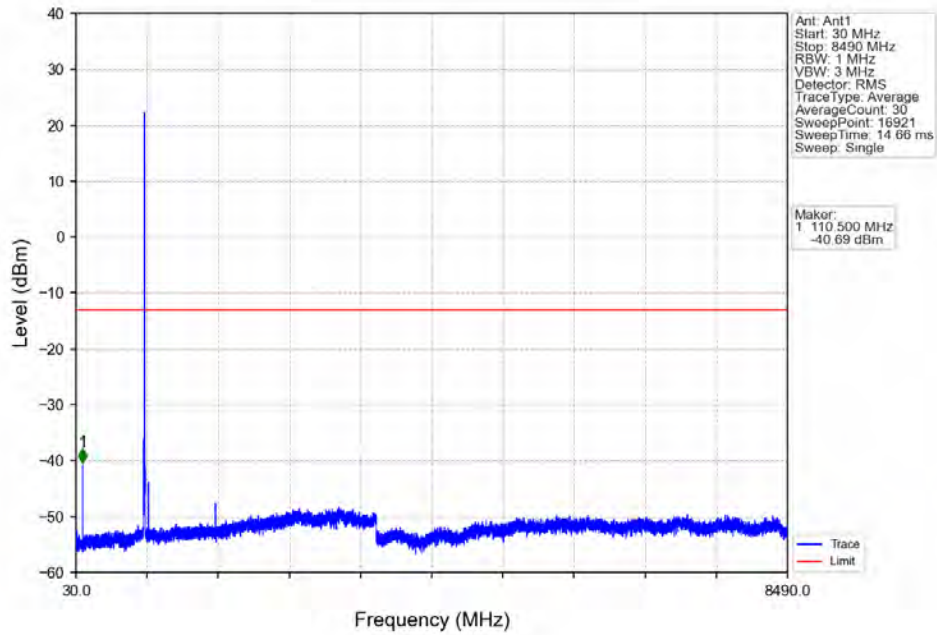
Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTNV



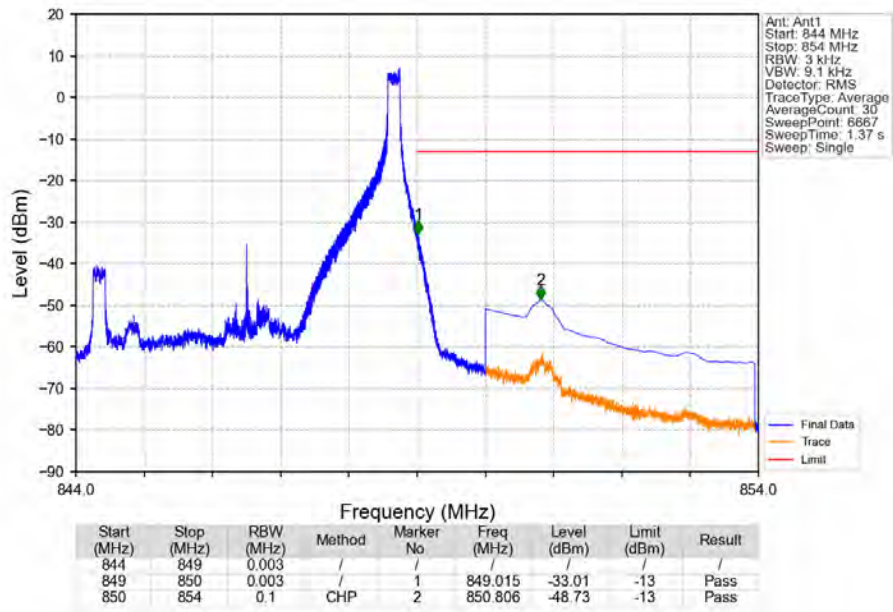
Band5 5MHz QPSK MCH 836.5MHz RB 1 0 NTNV



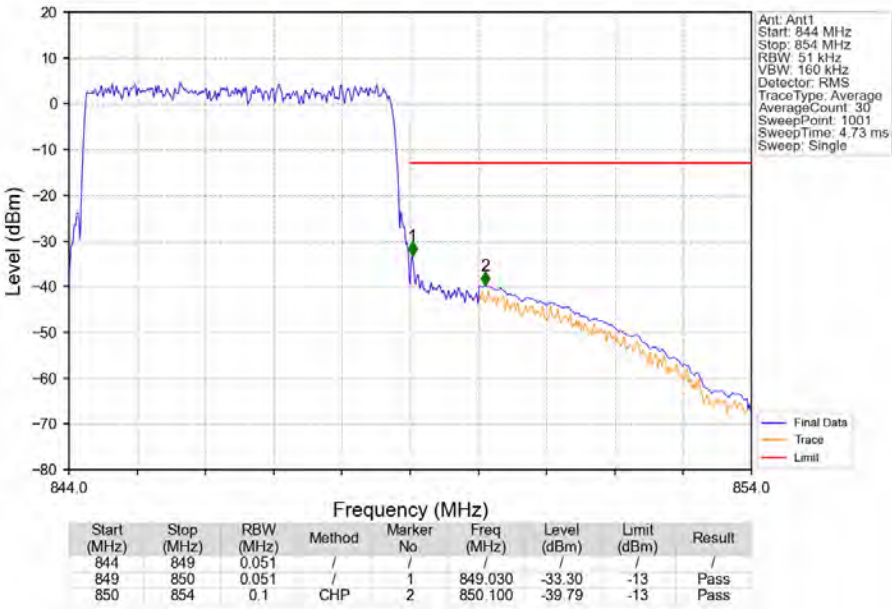
Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTNV



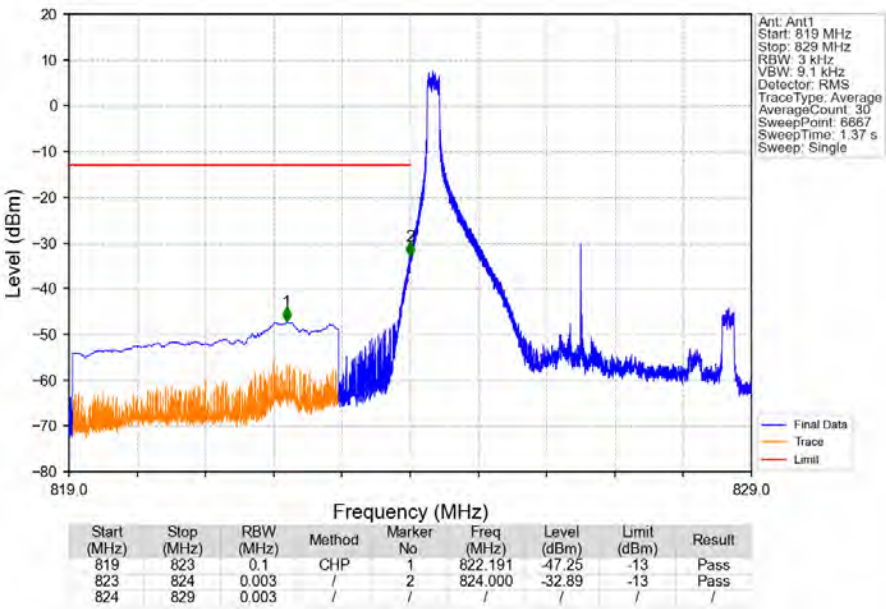
Band5 5MHz QPSK HCH 846.5MHz RB 1 24 NTNV



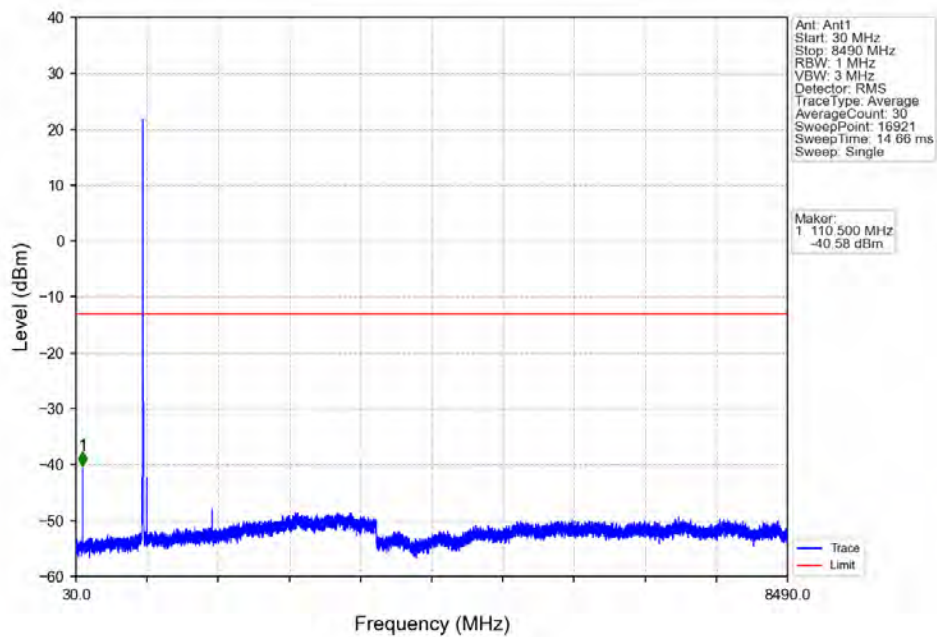
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



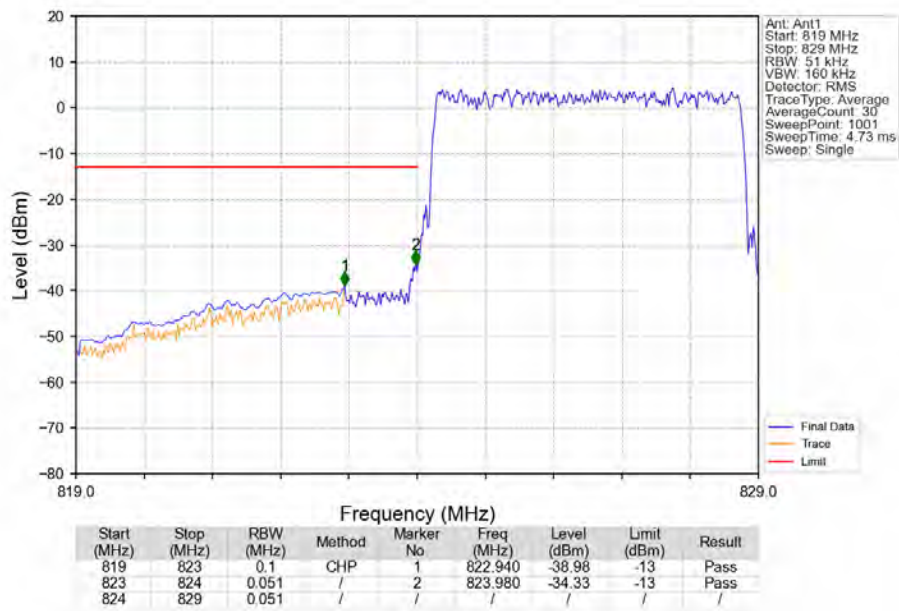
Band5 5MHz 16QAM LCH 826.5MHz RB 1 0 NTN



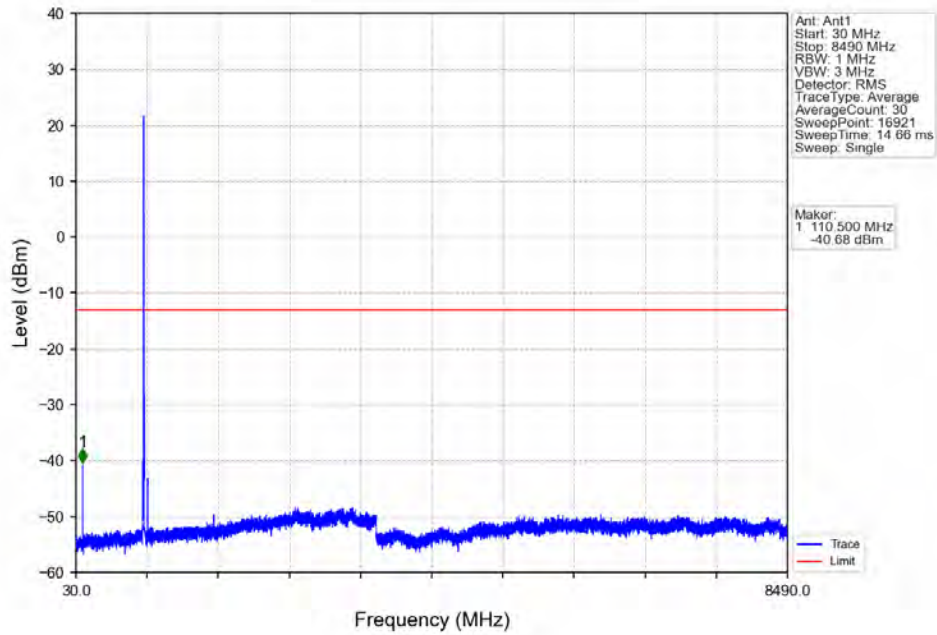
Band5 5MHz 16QAM LCH 826.5MHz RB 1 0 NTNV



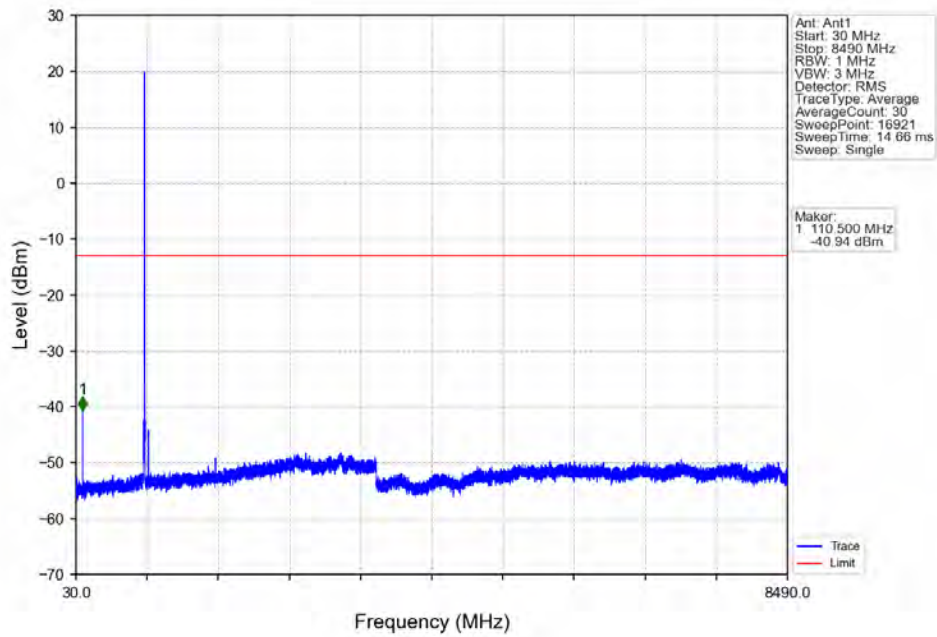
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



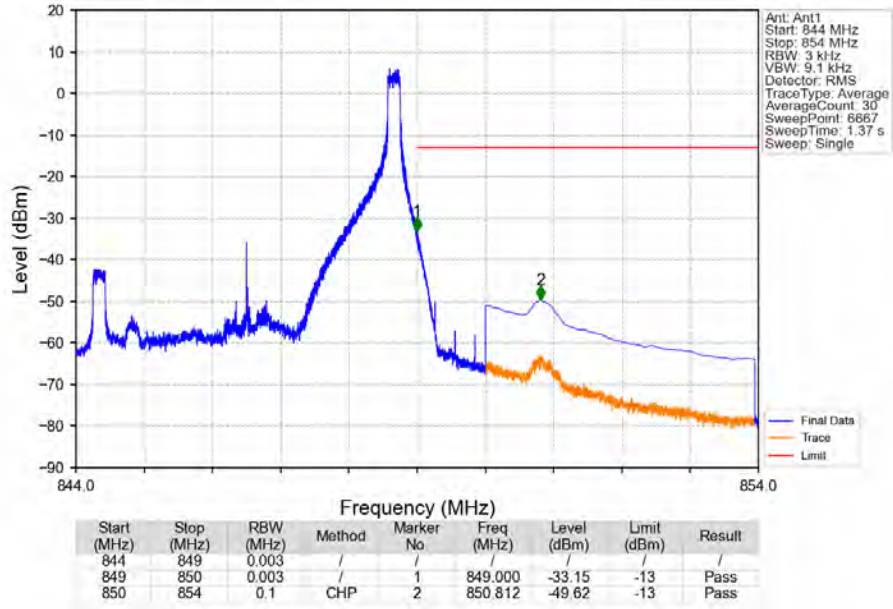
Band5 5MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



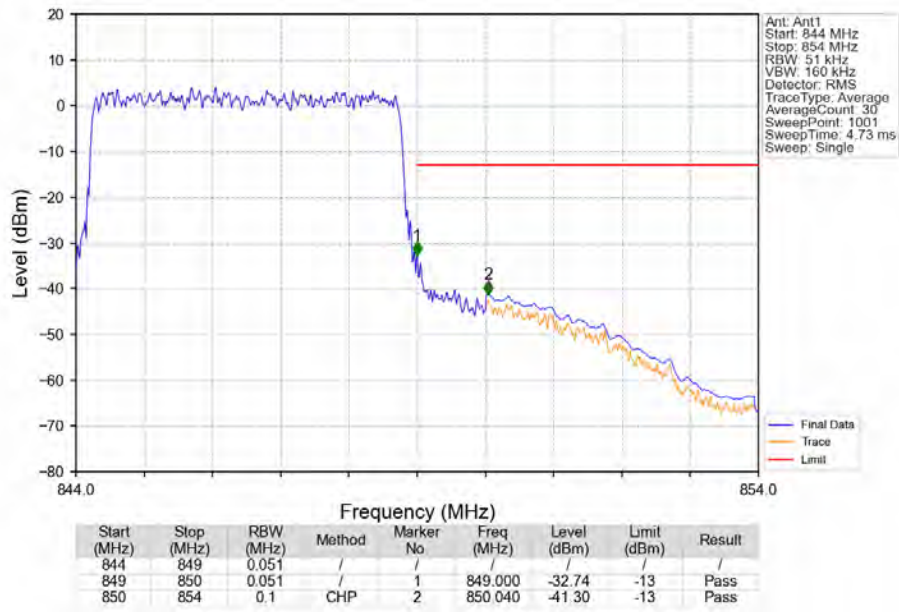
Band5 5MHz 16QAM HCH 846.5MHz RB 1 0 NTNV



Band5 5MHz 16QAM HCH 846.5MHz RB 1 24 NTV



Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV

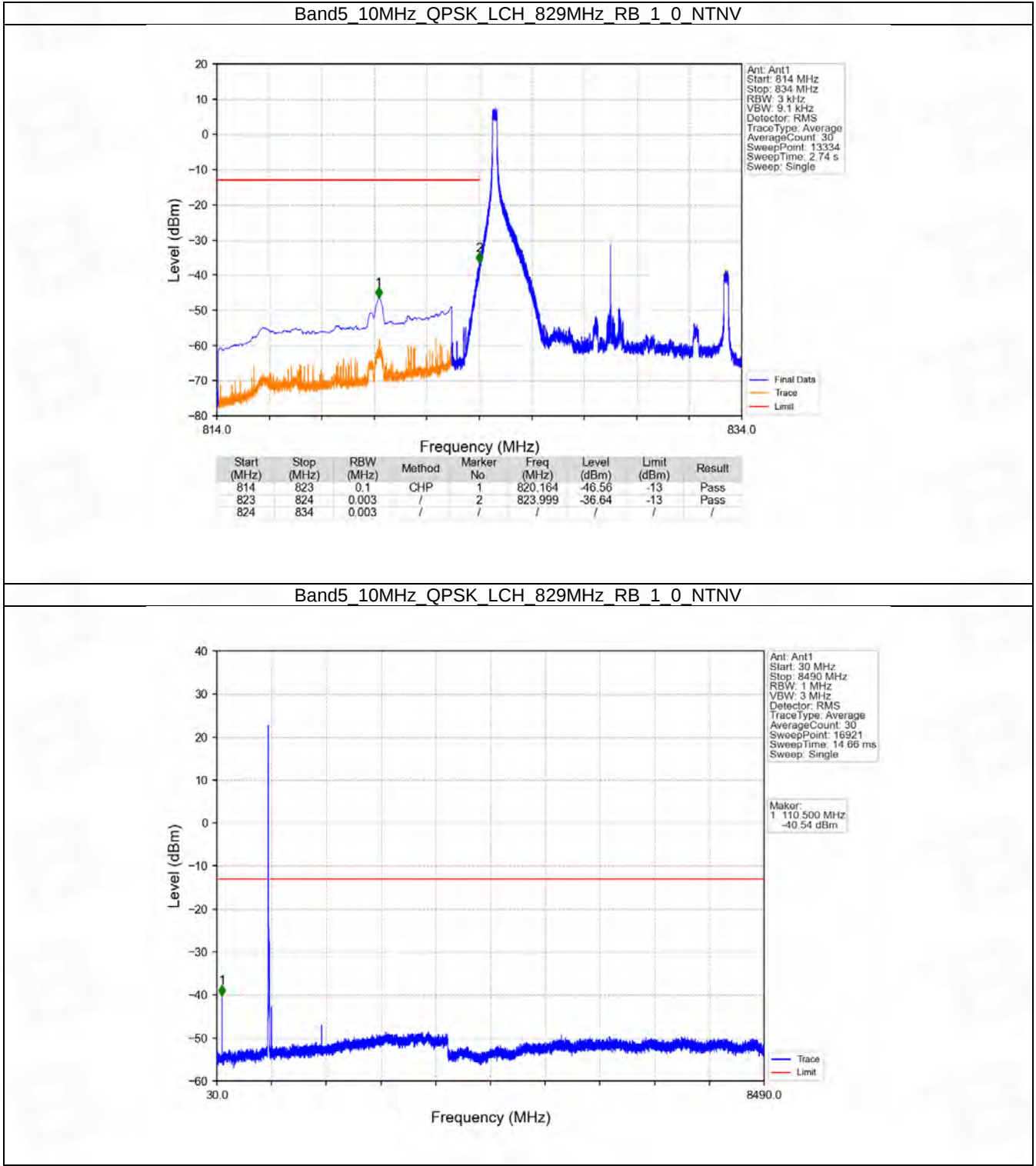


6.4 B5_10MHz

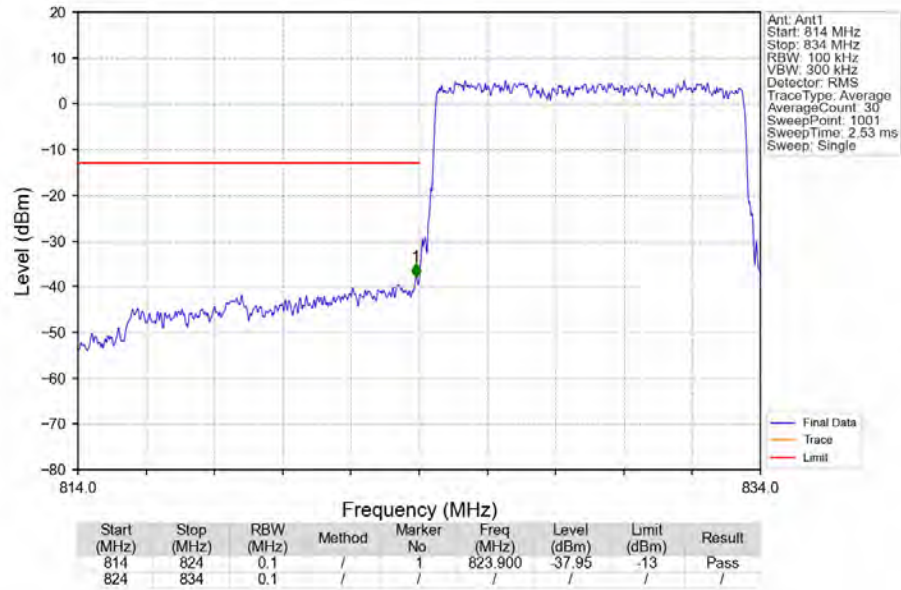
6.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTVN						
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

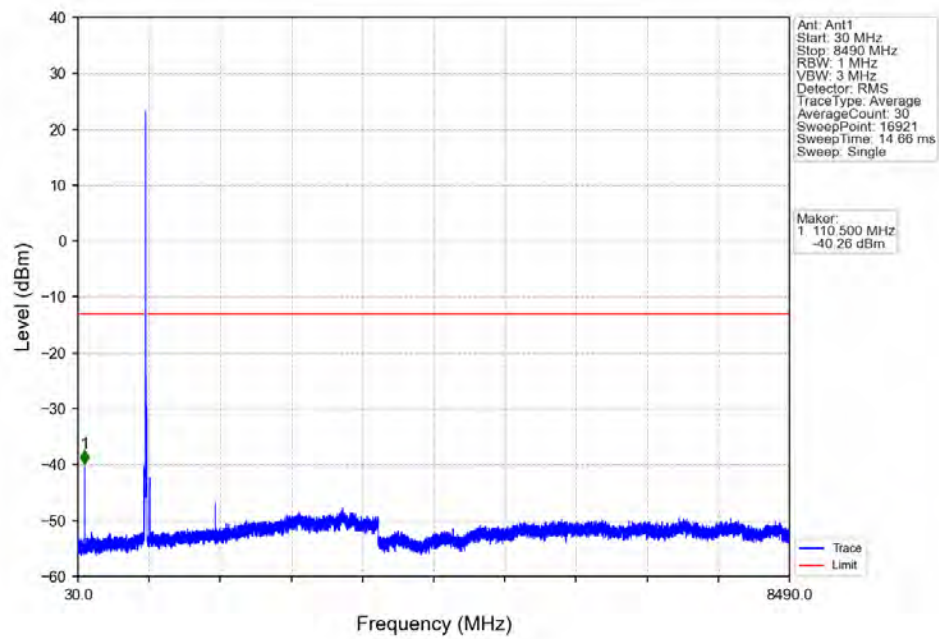
6.4.2 Test Graph



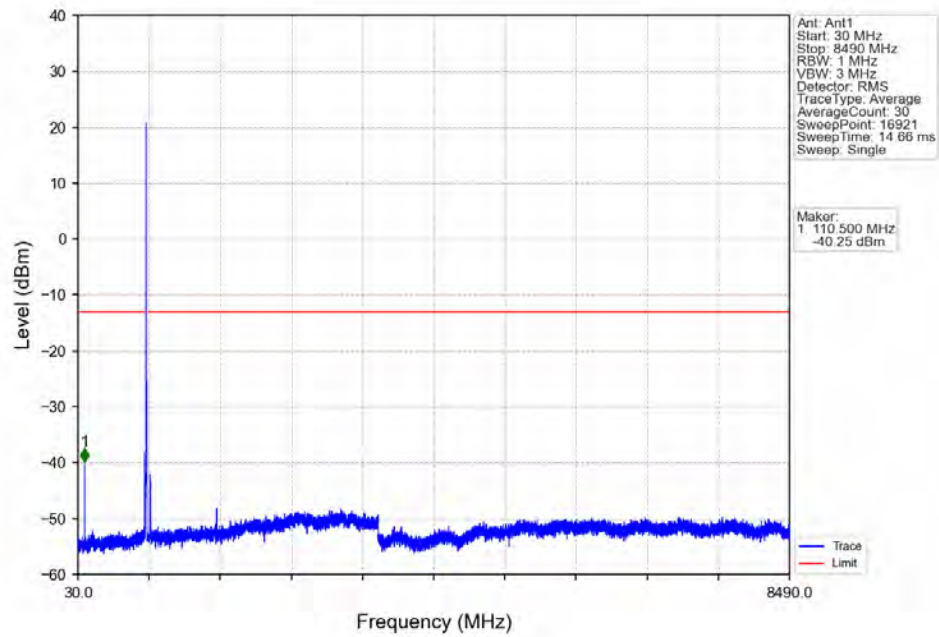
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTN



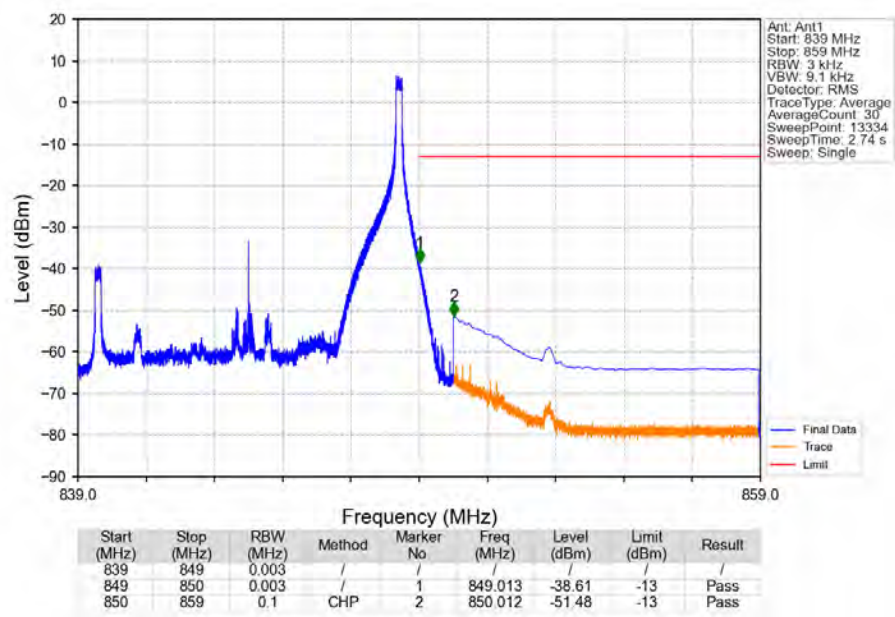
Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



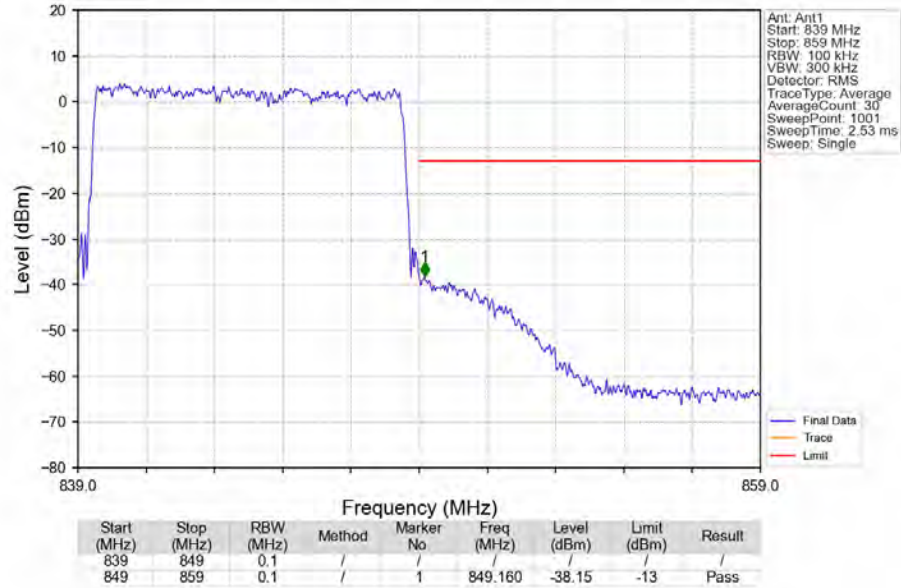
Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV



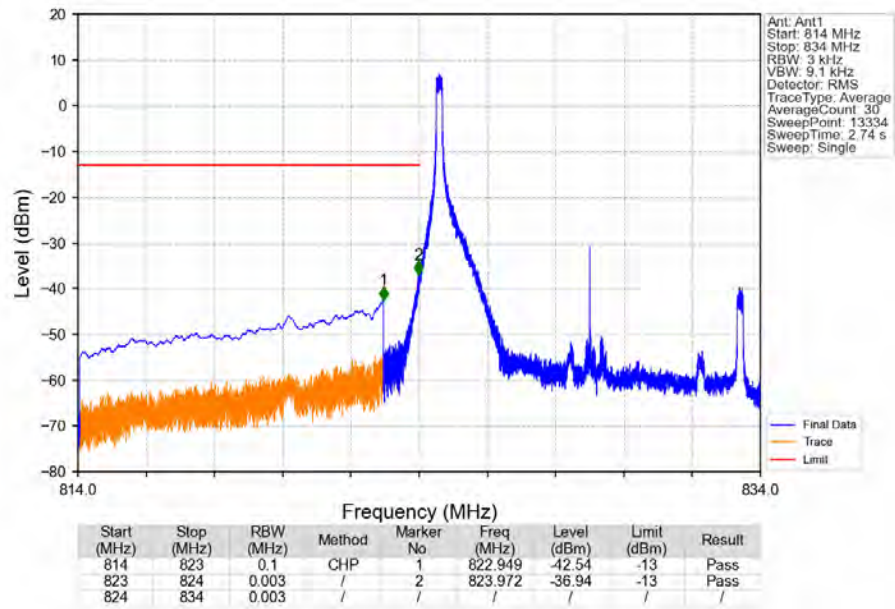
Band5 10MHz QPSK HCH 844MHz RB 1 49 NTNV



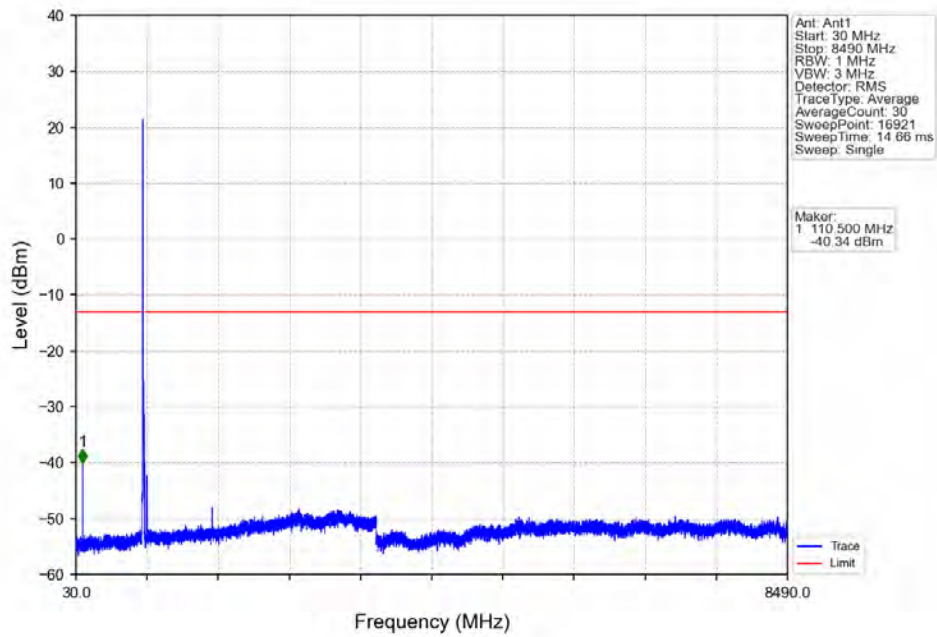
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTNV



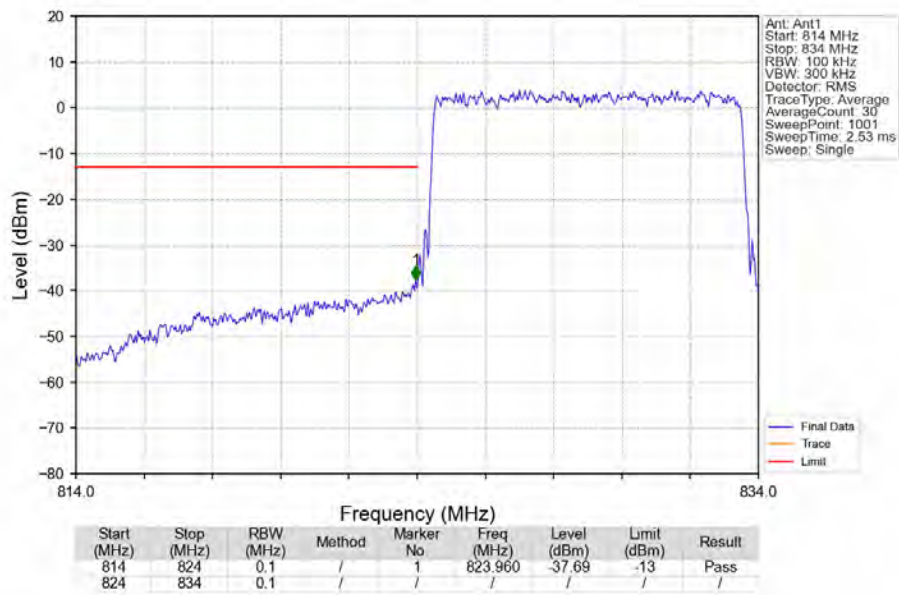
Band5 10MHz 16QAM LCH 829MHz RB 1 0 NTNV



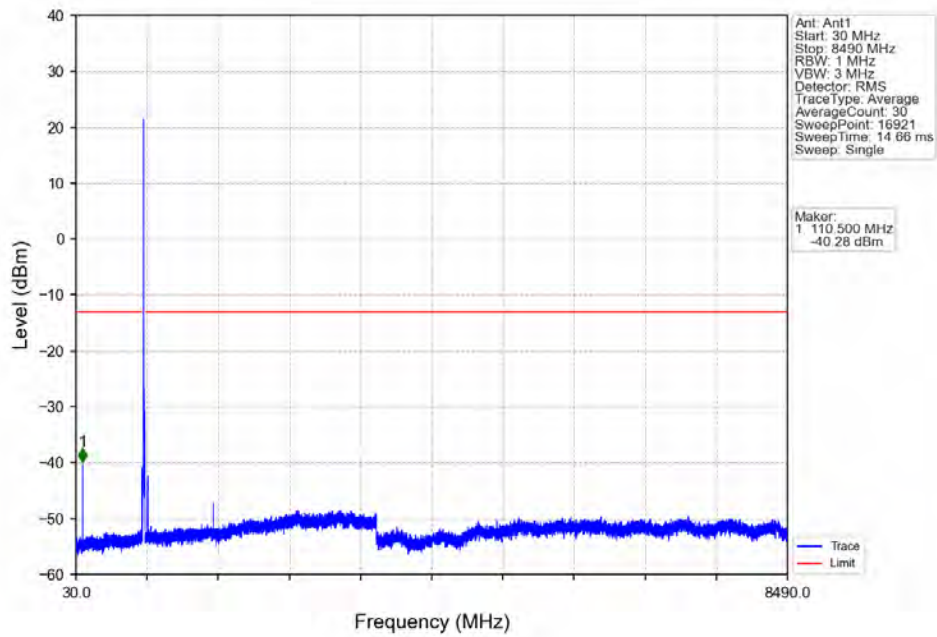
Band5 10MHz 16QAM LCH 829MHz RB 1 0 NTNV



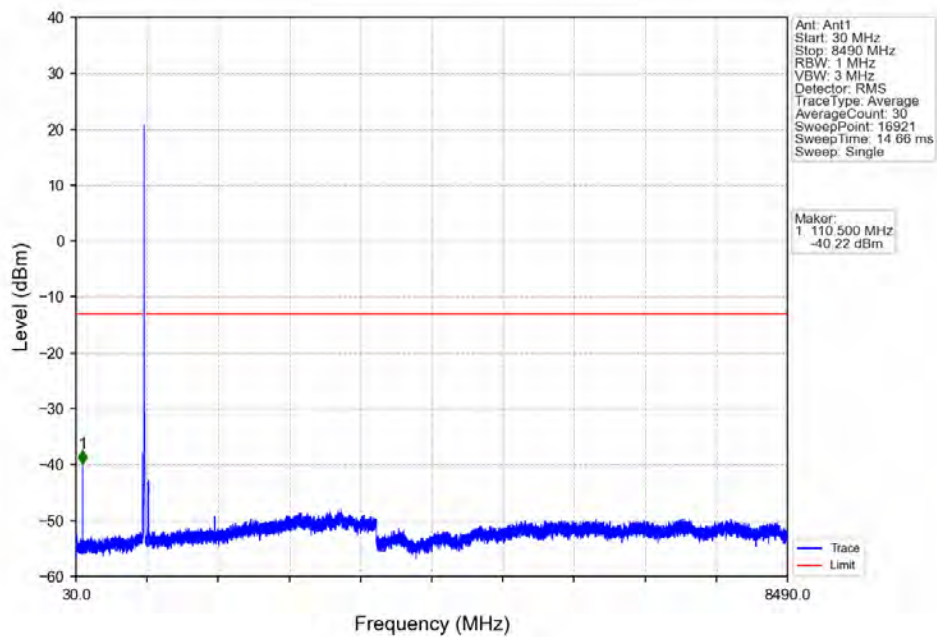
Band5 10MHz 16QAM LCH 829MHz RB 50 0 NTNV



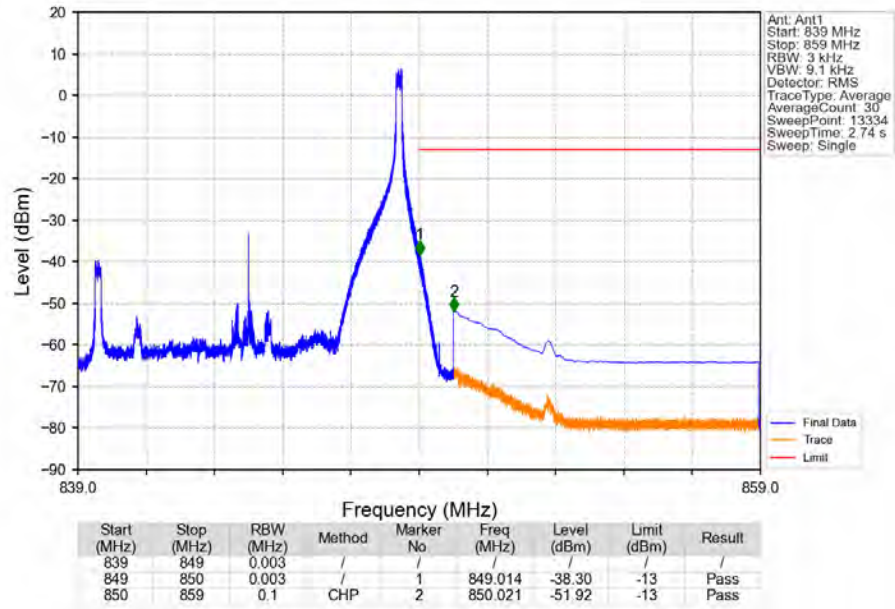
Band5 10MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



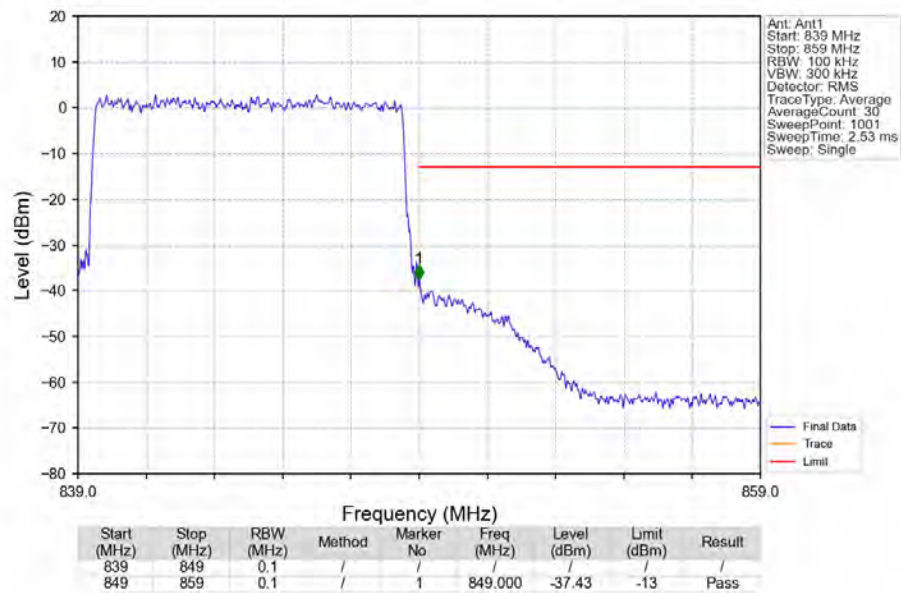
Band5 10MHz 16QAM HCH 844MHz RB 1 0 NTNV



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	0.1897	0.0380	ppm	1M12G7D	24E	22.78
5	1.4	824.7	848.3	0.1560	0.0151	ppm	1M12W7D	24E	21.93
5	3	825.5	847.5	0.1936	0.0127	ppm	2M74G7D	24E	22.87
5	3	825.5	847.5	0.1560	0.0127	ppm	2M74W7D	24E	21.93
5	5	826.5	846.5	0.1884	0.0116	ppm	4M58G7D	24E	22.75
5	5	826.5	846.5	0.1419	0.0086	ppm	4M59W7D	24E	21.52
5	10	829	844	0.1945	0.0075	ppm	9M09G7D	24E	22.89
5	10	829	844	0.1690	0.0058	ppm	9M09W7D	24E	22.28

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	0.1334	0.0380	ppm	1M12G7D	24E	21.25
5	1.4	824.7	848.3	0.1096	0.0151	ppm	1M12W7D	24E	20.40
5	3	825.5	847.5	0.1361	0.0127	ppm	2M74G7D	24E	21.34
5	3	825.5	847.5	0.1096	0.0127	ppm	2M74W7D	24E	20.40
5	5	826.5	846.5	0.1324	0.0116	ppm	4M58G7D	24E	21.22
5	5	826.5	846.5	0.0998	0.0086	ppm	4M59W7D	24E	19.99
5	10	829	844	0.1368	0.0075	ppm	9M09G7D	24E	21.36
5	10	829	844	0.1189	0.0058	ppm	9M09W7D	24E	20.75