

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	22.04	-2.33	17.56	<=38.45	Pass		
			2	22.17	-2.33	17.69	<=38.45	Pass		
			5	22.04	-2.33	17.56	<=38.45	Pass		
		3	0	22.01	-2.33	17.53	<=38.45	Pass		
			2	22.04	-2.33	17.56	<=38.45	Pass		
			3	22.01	-2.33	17.53	<=38.45	Pass		
		6	0	21.11	-2.33	16.63	<=38.45	Pass		
		836.5	1	0	22.05	-2.33	17.57	<=38.45	Pass	
				2	22.16	-2.33	17.68	<=38.45	Pass	
	5			22.09	-2.33	17.61	<=38.45	Pass		
	3		0	22.11	-2.33	17.63	<=38.45	Pass		
			2	22.15	-2.33	17.67	<=38.45	Pass		
			3	22.10	-2.33	17.62	<=38.45	Pass		
	6		0	21.21	-2.33	16.73	<=38.45	Pass		
	848.3		1	0	22.01	-2.33	17.53	<=38.45	Pass	
				2	22.15	-2.33	17.67	<=38.45	Pass	
		5		22.02	-2.33	17.54	<=38.45	Pass		
		3	0	22.08	-2.33	17.60	<=38.45	Pass		
			2	22.08	-2.33	17.60	<=38.45	Pass		
			3	22.04	-2.33	17.56	<=38.45	Pass		
		6	0	21.10	-2.33	16.62	<=38.45	Pass		
		16QAM	824.7	1	0	20.92	-2.33	16.44	<=38.45	Pass
					2	21.05	-2.33	16.57	<=38.45	Pass
	5				20.99	-2.33	16.51	<=38.45	Pass	
3	0			21.02	-2.33	16.54	<=38.45	Pass		
	2			21.03	-2.33	16.55	<=38.45	Pass		
	3			21.02	-2.33	16.54	<=38.45	Pass		
6	0			19.96	-2.33	15.48	<=38.45	Pass		
836.5	1			0	21.18	-2.33	16.70	<=38.45	Pass	
				2	21.29	-2.33	16.81	<=38.45	Pass	
			5	21.17	-2.33	16.69	<=38.45	Pass		
	3		0	21.06	-2.33	16.58	<=38.45	Pass		
			2	21.10	-2.33	16.62	<=38.45	Pass		
			3	21.08	-2.33	16.60	<=38.45	Pass		
	6		0	20.12	-2.33	15.64	<=38.45	Pass		
	848.3		1	0	20.97	-2.33	16.49	<=38.45	Pass	
				2	21.11	-2.33	16.63	<=38.45	Pass	
5				21.07	-2.33	16.59	<=38.45	Pass		
3			0	21.14	-2.33	16.66	<=38.45	Pass		
			2	21.15	-2.33	16.67	<=38.45	Pass		
			3	21.11	-2.33	16.63	<=38.45	Pass		
6			0	19.99	-2.33	15.51	<=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 / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	825.5	1	0	22.19	-2.33	17.71	<=38.45	Pass		
			7	22.30	-2.33	17.82	<=38.45	Pass		
			14	22.21	-2.33	17.73	<=38.45	Pass		
		8	0	21.17	-2.33	16.69	<=38.45	Pass		
			4	21.22	-2.33	16.74	<=38.45	Pass		
			7	21.20	-2.33	16.72	<=38.45	Pass		
		15	0	21.12	-2.33	16.64	<=38.45	Pass		
		836.5	1	0	22.19	-2.33	17.71	<=38.45	Pass	
				7	22.33	-2.33	17.85	<=38.45	Pass	
	14			22.23	-2.33	17.75	<=38.45	Pass		
	8		0	21.22	-2.33	16.74	<=38.45	Pass		
			4	21.29	-2.33	16.81	<=38.45	Pass		
			7	21.25	-2.33	16.77	<=38.45	Pass		
	15		0	21.19	-2.33	16.71	<=38.45	Pass		
	847.5		1	0	22.14	-2.33	17.66	<=38.45	Pass	
				7	22.25	-2.33	17.77	<=38.45	Pass	
		14		22.06	-2.33	17.58	<=38.45	Pass		
		8	0	21.03	-2.33	16.55	<=38.45	Pass		
			4	20.96	-2.33	16.48	<=38.45	Pass		
			7	20.81	-2.33	16.33	<=38.45	Pass		
		15	0	20.67	-2.33	16.19	<=38.45	Pass		
		16QAM	825.5	1	0	21.08	-2.33	16.60	<=38.45	Pass
					7	21.27	-2.33	16.79	<=38.45	Pass
	14				21.13	-2.33	16.65	<=38.45	Pass	
8	0			20.13	-2.33	15.65	<=38.45	Pass		
	4			20.19	-2.33	15.71	<=38.45	Pass		
	7			20.17	-2.33	15.69	<=38.45	Pass		
15	0			20.11	-2.33	15.63	<=38.45	Pass		
836.5	1			0	21.34	-2.33	16.86	<=38.45	Pass	
				7	21.44	-2.33	16.96	<=38.45	Pass	
			14	21.32	-2.33	16.84	<=38.45	Pass		
	8		0	20.15	-2.33	15.67	<=38.45	Pass		
			4	20.19	-2.33	15.71	<=38.45	Pass		
			7	20.14	-2.33	15.66	<=38.45	Pass		
	15		0	20.12	-2.33	15.64	<=38.45	Pass		
	847.5		1	0	21.15	-2.33	16.67	<=38.45	Pass	
				7	21.29	-2.33	16.81	<=38.45	Pass	
14				21.11	-2.33	16.63	<=38.45	Pass		
8			0	19.78	-2.33	15.30	<=38.45	Pass		
			4	19.83	-2.33	15.35	<=38.45	Pass		
			7	19.77	-2.33	15.29	<=38.45	Pass		
15			0	19.69	-2.33	15.21	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.3 B5_5MHz_ERP

1.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	826.5	1	0	21.92	-2.33	17.44	<=38.45	Pass		
			13	22.07	-2.33	17.59	<=38.45	Pass		
			24	21.94	-2.33	17.46	<=38.45	Pass		
		12	0	21.00	-2.33	16.52	<=38.45	Pass		
			6	21.08	-2.33	16.60	<=38.45	Pass		
			13	20.94	-2.33	16.46	<=38.45	Pass		
		25	0	20.99	-2.33	16.51	<=38.45	Pass		
		836.5	1	0	21.98	-2.33	17.50	<=38.45	Pass	
				13	22.13	-2.33	17.65	<=38.45	Pass	
	24			22.05	-2.33	17.57	<=38.45	Pass		
	12		0	21.00	-2.33	16.52	<=38.45	Pass		
			6	21.09	-2.33	16.61	<=38.45	Pass		
			13	21.01	-2.33	16.53	<=38.45	Pass		
	25		0	21.04	-2.33	16.56	<=38.45	Pass		
	846.5		1	0	21.94	-2.33	17.46	<=38.45	Pass	
				13	21.79	-2.33	17.31	<=38.45	Pass	
		24		21.46	-2.33	16.98	<=38.45	Pass		
		12	0	20.59	-2.33	16.11	<=38.45	Pass		
			6	20.55	-2.33	16.07	<=38.45	Pass		
			13	20.51	-2.33	16.03	<=38.45	Pass		
		25	0	20.52	-2.33	16.04	<=38.45	Pass		
		16QAM	826.5	1	0	20.91	-2.33	16.43	<=38.45	Pass
					13	21.14	-2.33	16.66	<=38.45	Pass
	24				21.06	-2.33	16.58	<=38.45	Pass	
12	0			19.90	-2.33	15.42	<=38.45	Pass		
	6			20.04	-2.33	15.56	<=38.45	Pass		
	13			19.95	-2.33	15.47	<=38.45	Pass		
25	0			19.97	-2.33	15.49	<=38.45	Pass		
836.5	1			0	21.18	-2.33	16.70	<=38.45	Pass	
				13	21.29	-2.33	16.81	<=38.45	Pass	
			24	21.16	-2.33	16.68	<=38.45	Pass		
	12		0	20.04	-2.33	15.56	<=38.45	Pass		
			6	20.12	-2.33	15.64	<=38.45	Pass		
			13	20.04	-2.33	15.56	<=38.45	Pass		
	25		0	19.97	-2.33	15.49	<=38.45	Pass		
	846.5		1	0	20.30	-2.33	15.82	<=38.45	Pass	
				13	20.44	-2.33	15.96	<=38.45	Pass	
24				20.32	-2.33	15.84	<=38.45	Pass		
12			0	19.55	-2.33	15.07	<=38.45	Pass		
			6	19.55	-2.33	15.07	<=38.45	Pass		
			13	19.45	-2.33	14.97	<=38.45	Pass		
25			0	19.51	-2.33	15.03	<=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	22.01	-2.33	17.53	<=38.45	Pass	
			25	22.27	-2.33	17.79	<=38.45	Pass	
			49	22.13	-2.33	17.65	<=38.45	Pass	
		25	0	21.18	-2.33	16.70	<=38.45	Pass	
			13	21.16	-2.33	16.68	<=38.45	Pass	
			25	21.13	-2.33	16.65	<=38.45	Pass	
	50	0	21.13	-2.33	16.65	<=38.45	Pass		
	836.5	1	0	22.02	-2.33	17.54	<=38.45	Pass	
			25	21.82	-2.33	17.34	<=38.45	Pass	
			49	21.60	-2.33	17.12	<=38.45	Pass	
		25	0	20.59	-2.33	16.11	<=38.45	Pass	
			13	20.73	-2.33	16.25	<=38.45	Pass	
			25	20.76	-2.33	16.28	<=38.45	Pass	
	50	0	20.76	-2.33	16.28	<=38.45	Pass		
	844	1	0	22.08	-2.33	17.60	<=38.45	Pass	
			25	21.82	-2.33	17.34	<=38.45	Pass	
			49	21.47	-2.33	16.99	<=38.45	Pass	
		25	0	20.78	-2.33	16.30	<=38.45	Pass	
			13	20.62	-2.33	16.14	<=38.45	Pass	
			25	20.52	-2.33	16.04	<=38.45	Pass	
	50	0	20.67	-2.33	16.19	<=38.45	Pass		
	16QAM	829	1	0	20.89	-2.33	16.41	<=38.45	Pass
				25	21.19	-2.33	16.71	<=38.45	Pass
				49	20.80	-2.33	16.32	<=38.45	Pass
25			0	19.83	-2.33	15.35	<=38.45	Pass	
			13	19.96	-2.33	15.48	<=38.45	Pass	
			25	19.76	-2.33	15.28	<=38.45	Pass	
50		0	19.86	-2.33	15.38	<=38.45	Pass		
836.5		1	0	20.81	-2.33	16.33	<=38.45	Pass	
			25	20.89	-2.33	16.41	<=38.45	Pass	
			49	20.68	-2.33	16.20	<=38.45	Pass	
		25	0	19.57	-2.33	15.09	<=38.45	Pass	
			13	19.66	-2.33	15.18	<=38.45	Pass	
			25	19.61	-2.33	15.13	<=38.45	Pass	
50		0	19.71	-2.33	15.23	<=38.45	Pass		
844		1	0	20.94	-2.33	16.46	<=38.45	Pass	
			25	21.19	-2.33	16.71	<=38.45	Pass	
			49	21.00	-2.33	16.52	<=38.45	Pass	
		25	0	19.73	-2.33	15.25	<=38.45	Pass	
			13	19.62	-2.33	15.14	<=38.45	Pass	
			25	19.50	-2.33	15.02	<=38.45	Pass	
50		0	19.65	-2.33	15.17	<=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	-9.727	-0.0118	-2.5 to 2.5	Pass
					3.85	-11.873	-0.0144	-2.5 to 2.5	Pass
					4.43	-3.591	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-5.836	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-4.892	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-3.648	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-3.047	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-3.676	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-8.984	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-6.151	-0.0075	-2.5 to 2.5	Pass
	50	3.85	-6.967	-0.0084	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.27	-3.877	-0.0046	-2.5 to 2.5	Pass
					3.85	-5.636	-0.0067	-2.5 to 2.5	Pass
					4.43	-9.398	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-4.163	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-6.738	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-8.125	-0.0097	-2.5 to 2.5	Pass
				0	3.85	-8.512	-0.0102	-2.5 to 2.5	Pass
				10	3.85	-4.592	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-9.470	-0.0113	-2.5 to 2.5	Pass
				40	3.85	-2.689	-0.0032	-2.5 to 2.5	Pass
	50	3.85	-6.595	-0.0079	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.27	1.202	0.0014	-2.5 to 2.5	Pass
					3.85	-6.251	-0.0074	-2.5 to 2.5	Pass
					4.43	-7.653	-0.0090	-2.5 to 2.5	Pass
				-30	3.85	-4.907	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-2.360	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-5.751	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-5.150	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass
30				3.85	-1.531	-0.0018	-2.5 to 2.5	Pass	
40				3.85	-6.366	-0.0075	-2.5 to 2.5	Pass	
50	3.85	-6.795	-0.0080	-2.5 to 2.5	Pass				
16QAM	824.7	6	0	20	3.27	-1.516	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.363	-0.0053	-2.5 to 2.5	Pass
					4.43	-7.167	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-3.777	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-4.492	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-6.022	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-3.190	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-3.963	-0.0048	-2.5 to 2.5	Pass
	40	3.85	-4.778	-0.0058	-2.5 to 2.5	Pass			
	50	3.85	-6.638	-0.0080	-2.5 to 2.5	Pass			
	836.5	6	0	20	3.27	-5.908	-0.0071	-2.5 to 2.5	Pass
					3.85	-9.899	-0.0118	-2.5 to 2.5	Pass
					4.43	-6.437	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-5.550	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-9.270	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-7.010	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-3.047	-0.0036	-2.5 to 2.5	Pass
10				3.85	-1.717	-0.0021	-2.5 to 2.5	Pass	

	848.3	6	0	30	3.85	-4.592	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-10.657	-0.0127	-2.5 to 2.5	Pass
				50	3.85	-4.535	-0.0054	-2.5 to 2.5	Pass
				20	3.27	-7.939	-0.0094	-2.5 to 2.5	Pass
					3.85	-9.427	-0.0111	-2.5 to 2.5	Pass
					4.43	-4.649	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-3.891	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-9.441	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-7.868	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-9.441	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-6.666	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-4.392	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-8.183	-0.0096	-2.5 to 2.5	Pass
				50	3.85	-6.838	-0.0081	-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	-9.828	-0.0119	-2.5 to 2.5	Pass			
					3.85	-7.453	-0.0090	-2.5 to 2.5	Pass			
					4.43	-3.376	-0.0041	-2.5 to 2.5	Pass			
				-30	3.85	-7.296	-0.0088	-2.5 to 2.5	Pass			
				-20	3.85	-5.350	-0.0065	-2.5 to 2.5	Pass			
				-10	3.85	-4.392	-0.0053	-2.5 to 2.5	Pass			
				0	3.85	-8.783	-0.0106	-2.5 to 2.5	Pass			
				10	3.85	-8.683	-0.0105	-2.5 to 2.5	Pass			
				30	3.85	-7.296	-0.0088	-2.5 to 2.5	Pass			
				40	3.85	-5.236	-0.0063	-2.5 to 2.5	Pass			
				50	3.85	-4.649	-0.0056	-2.5 to 2.5	Pass			
				836.5	15	0	20	3.27	-2.975	-0.0036	-2.5 to 2.5	Pass
								3.85	-2.489	-0.0030	-2.5 to 2.5	Pass
								4.43	-4.478	-0.0054	-2.5 to 2.5	Pass
							-30	3.85	-7.954	-0.0095	-2.5 to 2.5	Pass
	-20	3.85	-6.180				-0.0074	-2.5 to 2.5	Pass			
	-10	3.85	-5.579				-0.0067	-2.5 to 2.5	Pass			
	0	3.85	-4.706				-0.0056	-2.5 to 2.5	Pass			
	10	3.85	-9.971				-0.0119	-2.5 to 2.5	Pass			
	30	3.85	-6.595				-0.0079	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-1.588	-0.0019	-2.5 to 2.5	Pass			
					3.85	-8.240	-0.0097	-2.5 to 2.5	Pass			
					4.43	-7.167	-0.0085	-2.5 to 2.5	Pass			
				-30	3.85	-9.513	-0.0112	-2.5 to 2.5	Pass			
				-20	3.85	-2.775	-0.0033	-2.5 to 2.5	Pass			
				-10	3.85	-7.181	-0.0085	-2.5 to 2.5	Pass			
				0	3.85	-11.244	-0.0133	-2.5 to 2.5	Pass			
				10	3.85	-6.366	-0.0075	-2.5 to 2.5	Pass			

				30	3.85	-6.523	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-8.941	-0.0105	-2.5 to 2.5	Pass
				50	3.85	-8.554	-0.0101	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-5.722	-0.0069	-2.5 to 2.5	Pass
					3.85	-7.296	-0.0088	-2.5 to 2.5	Pass
					4.43	-7.653	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-7.954	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-5.207	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-6.523	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-7.281	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-10.586	-0.0128	-2.5 to 2.5	Pass
				30	3.85	-3.719	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-4.020	-0.0049	-2.5 to 2.5	Pass
	50	3.85	-7.381	-0.0089	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	-6.466	-0.0077	-2.5 to 2.5	Pass
					3.85	-3.805	-0.0045	-2.5 to 2.5	Pass
					4.43	-2.203	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-6.995	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-6.809	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.076	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-8.125	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-5.264	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-3.920	-0.0047	-2.5 to 2.5	Pass
	50	3.85	-8.483	-0.0101	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-9.570	-0.0113	-2.5 to 2.5	Pass
					3.85	-7.467	-0.0088	-2.5 to 2.5	Pass
					4.43	-2.890	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-3.219	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-4.935	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-10.929	-0.0129	-2.5 to 2.5	Pass
				0	3.85	-3.176	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-9.770	-0.0115	-2.5 to 2.5	Pass
30				3.85	-9.770	-0.0115	-2.5 to 2.5	Pass	
40				3.85	-9.270	-0.0109	-2.5 to 2.5	Pass	
50	3.85	-3.734	-0.0044	-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	-12.774	-0.0155	-2.5 to 2.5	Pass
					3.85	-6.924	-0.0084	-2.5 to 2.5	Pass
					4.43	-7.868	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-6.466	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-11.787	-0.0143	-2.5 to 2.5	Pass
				-10	3.85	-3.920	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-7.467	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-7.281	-0.0088	-2.5 to 2.5	Pass

	836.5	25	0	30	3.85	-9.441	-0.0114	-2.5 to 2.5	Pass				
				40	3.85	-8.240	-0.0100	-2.5 to 2.5	Pass				
				50	3.85	-9.027	-0.0109	-2.5 to 2.5	Pass				
				20	3.27	-8.311	-0.0099	-2.5 to 2.5	Pass				
					3.85	-4.721	-0.0056	-2.5 to 2.5	Pass				
					4.43	-7.081	-0.0085	-2.5 to 2.5	Pass				
				-30	3.85	-3.419	-0.0041	-2.5 to 2.5	Pass				
				-20	3.85	-5.708	-0.0068	-2.5 to 2.5	Pass				
				-10	3.85	-5.980	-0.0071	-2.5 to 2.5	Pass				
				0	3.85	-8.969	-0.0107	-2.5 to 2.5	Pass				
				10	3.85	-1.473	-0.0018	-2.5 to 2.5	Pass				
				30	3.85	-6.609	-0.0079	-2.5 to 2.5	Pass				
				40	3.85	-6.022	-0.0072	-2.5 to 2.5	Pass				
				50	3.85	-4.964	-0.0059	-2.5 to 2.5	Pass				
				846.5	25	0	20	3.27	-7.653	-0.0090	-2.5 to 2.5	Pass	
	3.85	-2.131	-0.0025					-2.5 to 2.5	Pass				
	4.43	-5.121	-0.0060					-2.5 to 2.5	Pass				
	-30	3.85	-3.505				-0.0041	-2.5 to 2.5	Pass				
	-20	3.85	-6.952				-0.0082	-2.5 to 2.5	Pass				
	-10	3.85	-3.419				-0.0040	-2.5 to 2.5	Pass				
	0	3.85	-6.022				-0.0071	-2.5 to 2.5	Pass				
	10	3.85	-0.472				-0.0006	-2.5 to 2.5	Pass				
	30	3.85	-9.298				-0.0110	-2.5 to 2.5	Pass				
	40	3.85	-3.262				-0.0039	-2.5 to 2.5	Pass				
	50	3.85	-3.662				-0.0043	-2.5 to 2.5	Pass				
	16QAM	826.5	25				0	20	3.27	-9.828	-0.0119	-2.5 to 2.5	Pass
									3.85	-11.101	-0.0134	-2.5 to 2.5	Pass
									4.43	-5.751	-0.0070	-2.5 to 2.5	Pass
								-30	3.85	-6.580	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-6.981		-0.0084	-2.5 to 2.5	Pass			
-10				3.85	-6.967	-0.0084		-2.5 to 2.5	Pass				
0				3.85	-6.294	-0.0076		-2.5 to 2.5	Pass				
10				3.85	-8.569	-0.0104		-2.5 to 2.5	Pass				
30				3.85	-7.968	-0.0096		-2.5 to 2.5	Pass				
40				3.85	-7.939	-0.0096		-2.5 to 2.5	Pass				
50				3.85	-11.930	-0.0144		-2.5 to 2.5	Pass				
836.5				25	0	20		3.27	-3.362	-0.0040	-2.5 to 2.5	Pass	
								3.85	-7.925	-0.0095	-2.5 to 2.5	Pass	
								4.43	-6.952	-0.0083	-2.5 to 2.5	Pass	
						-30		3.85	-8.554	-0.0102	-2.5 to 2.5	Pass	
		-20	3.85			-10.157	-0.0121	-2.5 to 2.5	Pass				
		-10	3.85			-7.582	-0.0091	-2.5 to 2.5	Pass				
		0	3.85			-5.865	-0.0070	-2.5 to 2.5	Pass				
		10	3.85			-7.052	-0.0084	-2.5 to 2.5	Pass				
		30	3.85			-9.127	-0.0109	-2.5 to 2.5	Pass				
		40	3.85			-5.021	-0.0060	-2.5 to 2.5	Pass				
		50	3.85			-5.250	-0.0063	-2.5 to 2.5	Pass				
		846.5	25			0	20	3.27	-10.872	-0.0128	-2.5 to 2.5	Pass	
								3.85	-8.383	-0.0099	-2.5 to 2.5	Pass	
								4.43	-7.582	-0.0090	-2.5 to 2.5	Pass	
							-30	3.85	-6.881	-0.0081	-2.5 to 2.5	Pass	
-20				3.85	-1.888		-0.0022	-2.5 to 2.5	Pass				
-10				3.85	-4.077		-0.0048	-2.5 to 2.5	Pass				
0				3.85	-6.151		-0.0073	-2.5 to 2.5	Pass				
10				3.85	-3.819		-0.0045	-2.5 to 2.5	Pass				

				30	3.85	-3.762	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-8.054	-0.0095	-2.5 to 2.5	Pass
				50	3.85	-8.068	-0.0095	-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	-5.693	-0.0069	-2.5 to 2.5	Pass
					3.85	-6.237	-0.0075	-2.5 to 2.5	Pass
					4.43	-5.665	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-7.911	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-9.170	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-6.909	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-9.971	-0.0120	-2.5 to 2.5	Pass
				10	3.85	-3.476	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-7.010	-0.0085	-2.5 to 2.5	Pass
	40	3.85	-7.124	-0.0086	-2.5 to 2.5	Pass			
	50	3.85	-6.666	-0.0080	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.27	-4.392	-0.0053	-2.5 to 2.5	Pass
					3.85	-8.783	-0.0105	-2.5 to 2.5	Pass
					4.43	-7.167	-0.0086	-2.5 to 2.5	Pass
				-30	3.85	-5.965	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-4.678	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-2.460	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-6.652	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-4.492	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-3.376	-0.0040	-2.5 to 2.5	Pass
	40	3.85	-5.593	-0.0067	-2.5 to 2.5	Pass			
	50	3.85	-8.368	-0.0100	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	-7.725	-0.0092	-2.5 to 2.5	Pass
					3.85	-8.783	-0.0104	-2.5 to 2.5	Pass
					4.43	-9.112	-0.0108	-2.5 to 2.5	Pass
				-30	3.85	-8.383	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-5.579	-0.0066	-2.5 to 2.5	Pass
-10				3.85	-5.221	-0.0062	-2.5 to 2.5	Pass	
0				3.85	-8.698	-0.0103	-2.5 to 2.5	Pass	
10				3.85	-9.012	-0.0107	-2.5 to 2.5	Pass	
30				3.85	-6.409	-0.0076	-2.5 to 2.5	Pass	
40	3.85	-6.895	-0.0082	-2.5 to 2.5	Pass				
50	3.85	-7.467	-0.0088	-2.5 to 2.5	Pass				
16QAM	829	50	0	20	3.27	-5.193	-0.0063	-2.5 to 2.5	Pass
					3.85	-7.038	-0.0085	-2.5 to 2.5	Pass
					4.43	-8.812	-0.0106	-2.5 to 2.5	Pass
				-30	3.85	-6.080	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-4.764	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-6.280	-0.0076	-2.5 to 2.5	Pass
0	3.85	-5.536	-0.0067	-2.5 to 2.5	Pass				
10	3.85	-6.409	-0.0077	-2.5 to 2.5	Pass				

	836.5	50	0	30	3.85	-11.029	-0.0133	-2.5 to 2.5	Pass
				40	3.85	-5.751	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-6.480	-0.0078	-2.5 to 2.5	Pass
				20	3.27	-4.463	-0.0053	-2.5 to 2.5	Pass
					3.85	0.458	0.0005	-2.5 to 2.5	Pass
					4.43	-8.912	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-5.622	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-8.211	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-5.379	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-7.782	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-3.719	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-6.480	-0.0077	-2.5 to 2.5	Pass
	40	3.85	-2.847	-0.0034	-2.5 to 2.5	Pass			
	50	3.85	-3.333	-0.0040	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	-3.848	-0.0046	-2.5 to 2.5	Pass
					3.85	-3.519	-0.0042	-2.5 to 2.5	Pass
					4.43	-8.841	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-6.123	-0.0073	-2.5 to 2.5	Pass
				-20	3.85	-8.397	-0.0099	-2.5 to 2.5	Pass
				-10	3.85	-5.822	-0.0069	-2.5 to 2.5	Pass
				0	3.85	-7.567	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-5.221	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-7.610	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-9.470	-0.0112	-2.5 to 2.5	Pass
50				3.85	-6.509	-0.0077	-2.5 to 2.5	Pass	

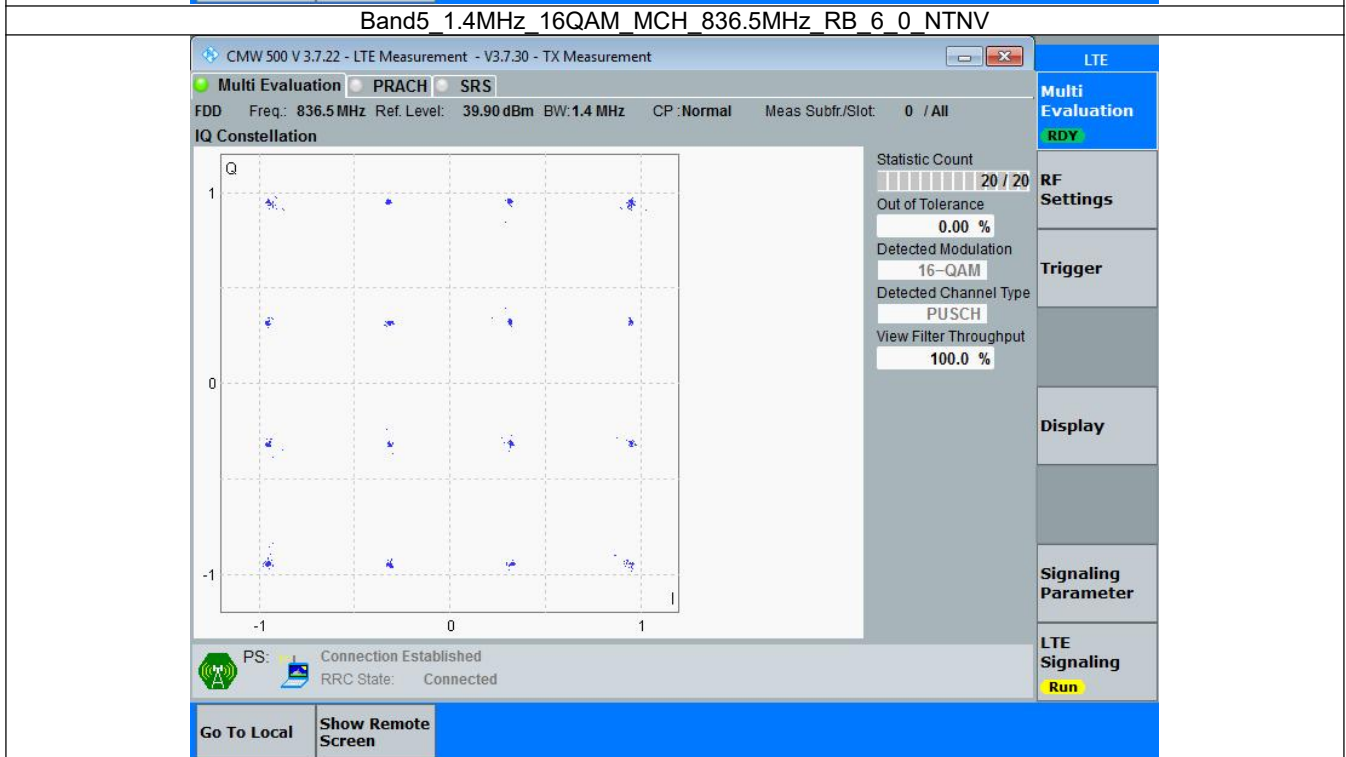
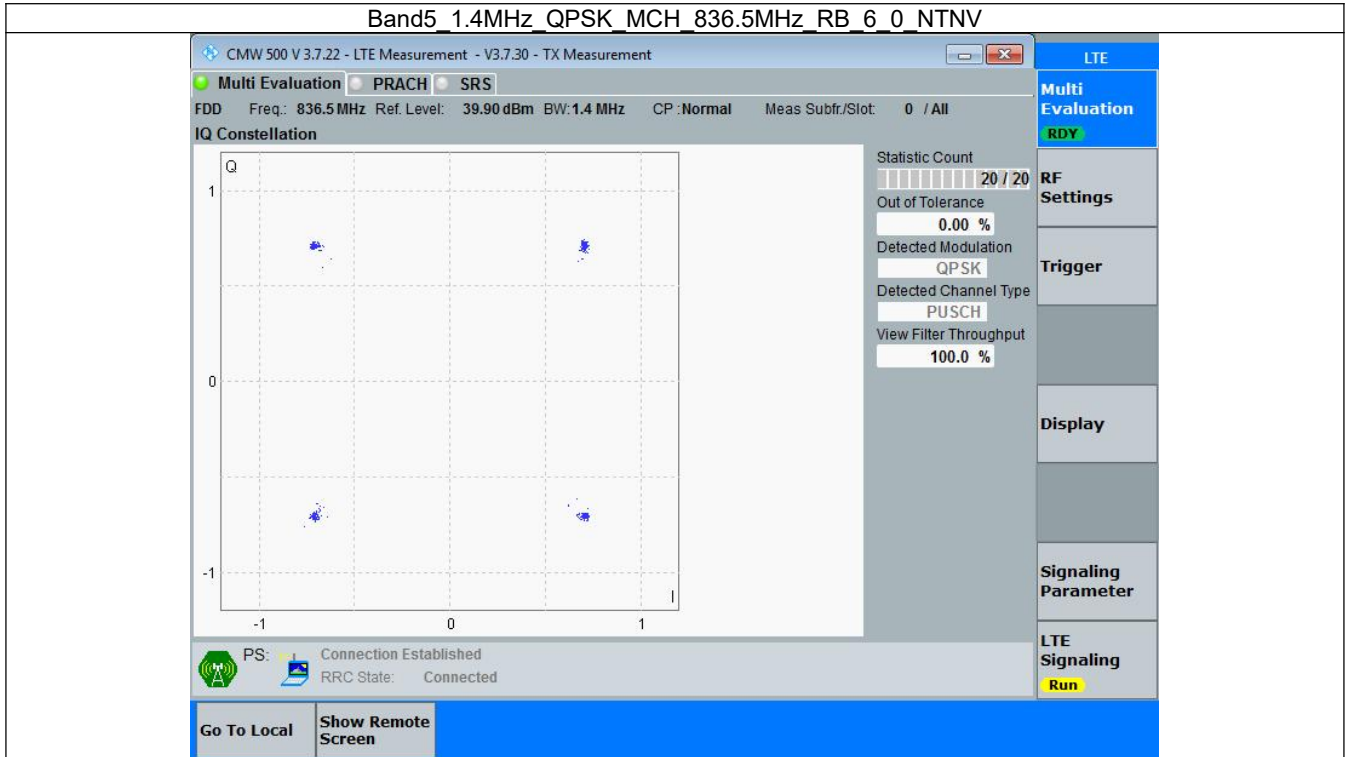
3. Modulation Characteristics

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

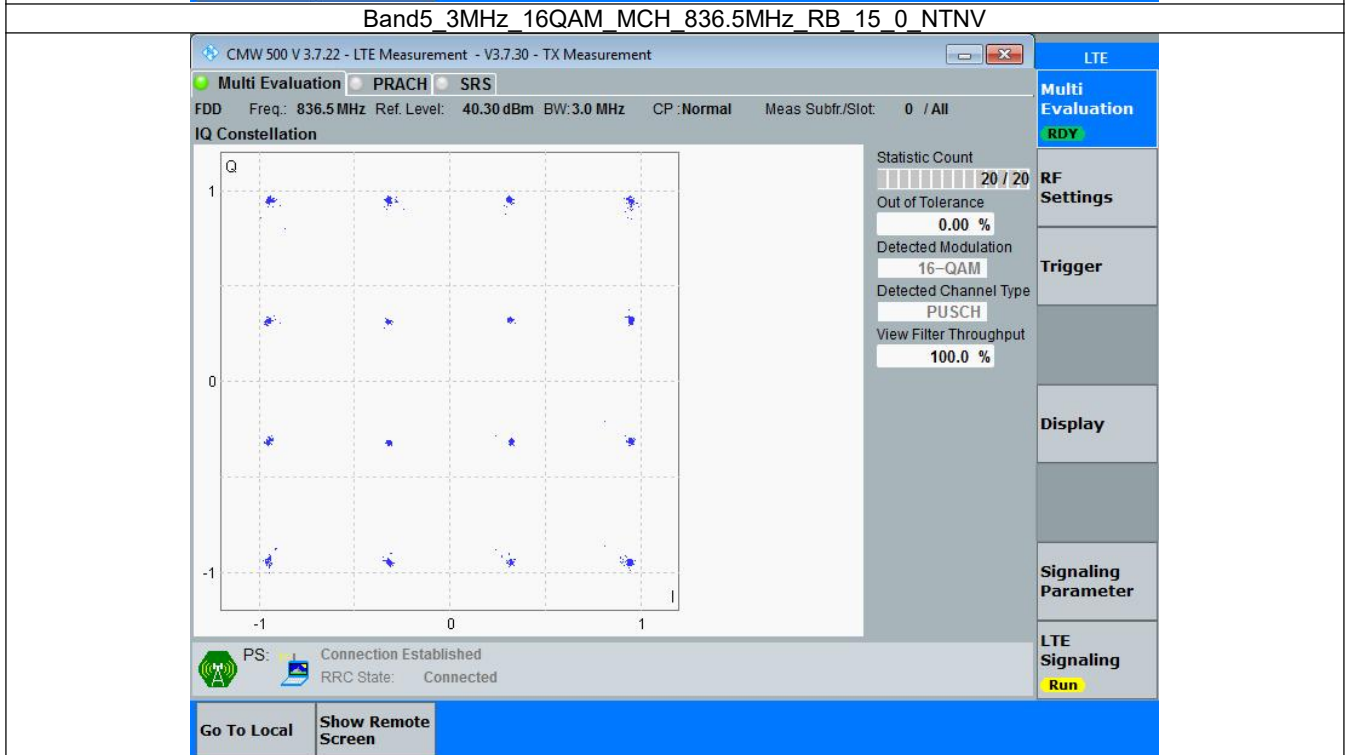
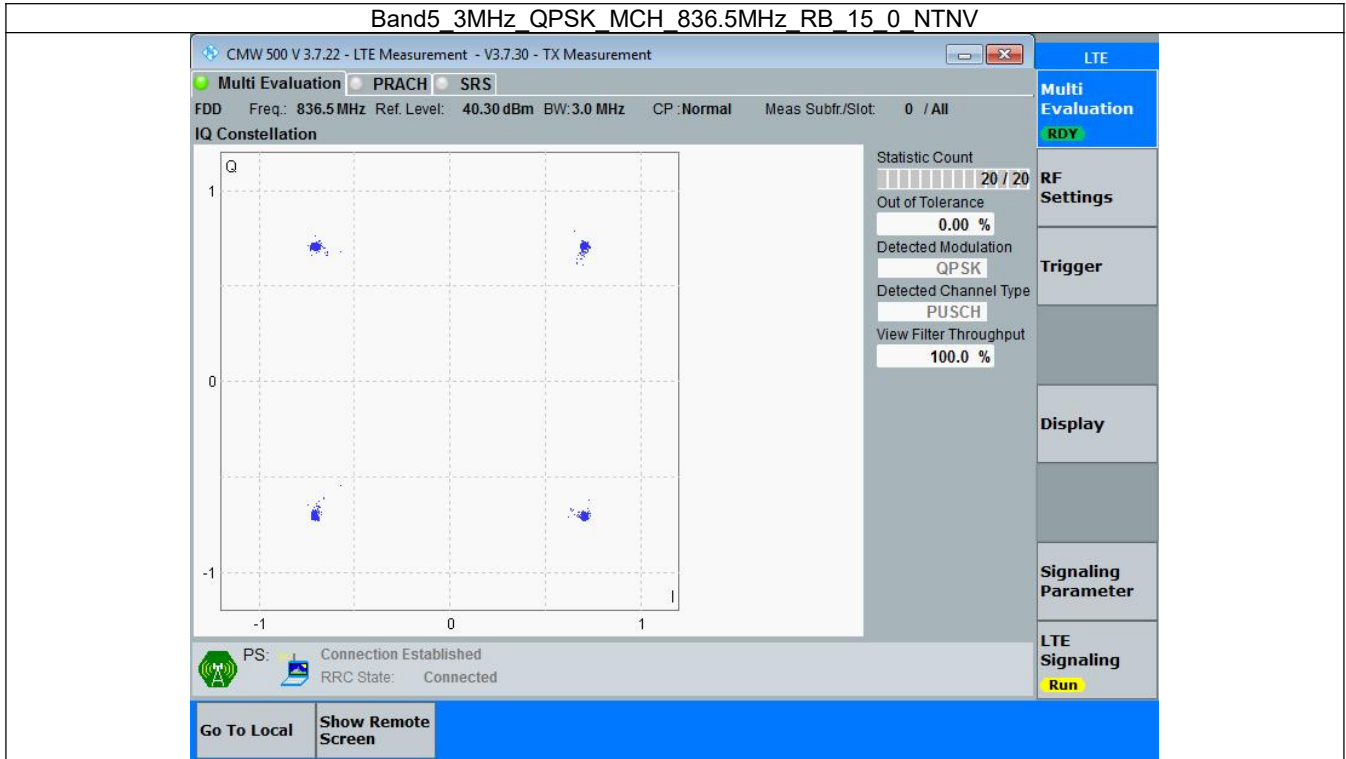


3.2 B5_3MHz

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

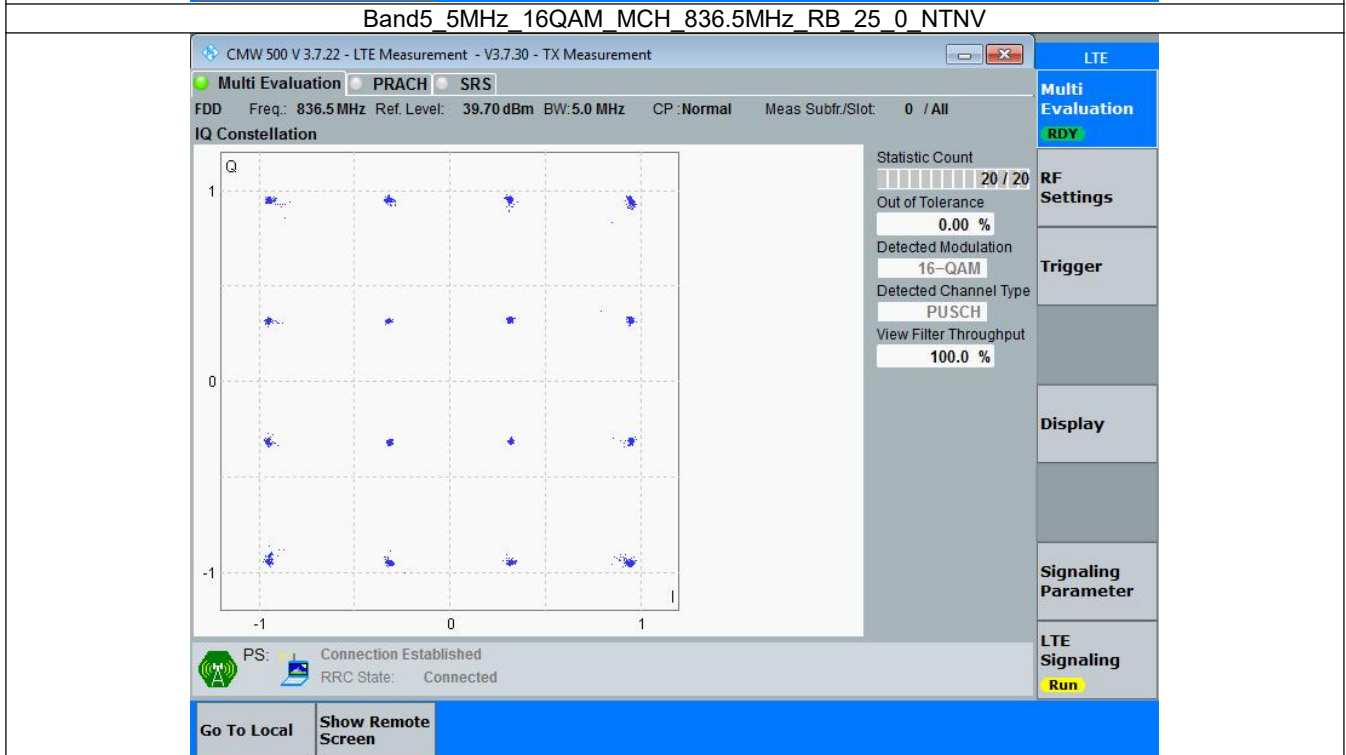
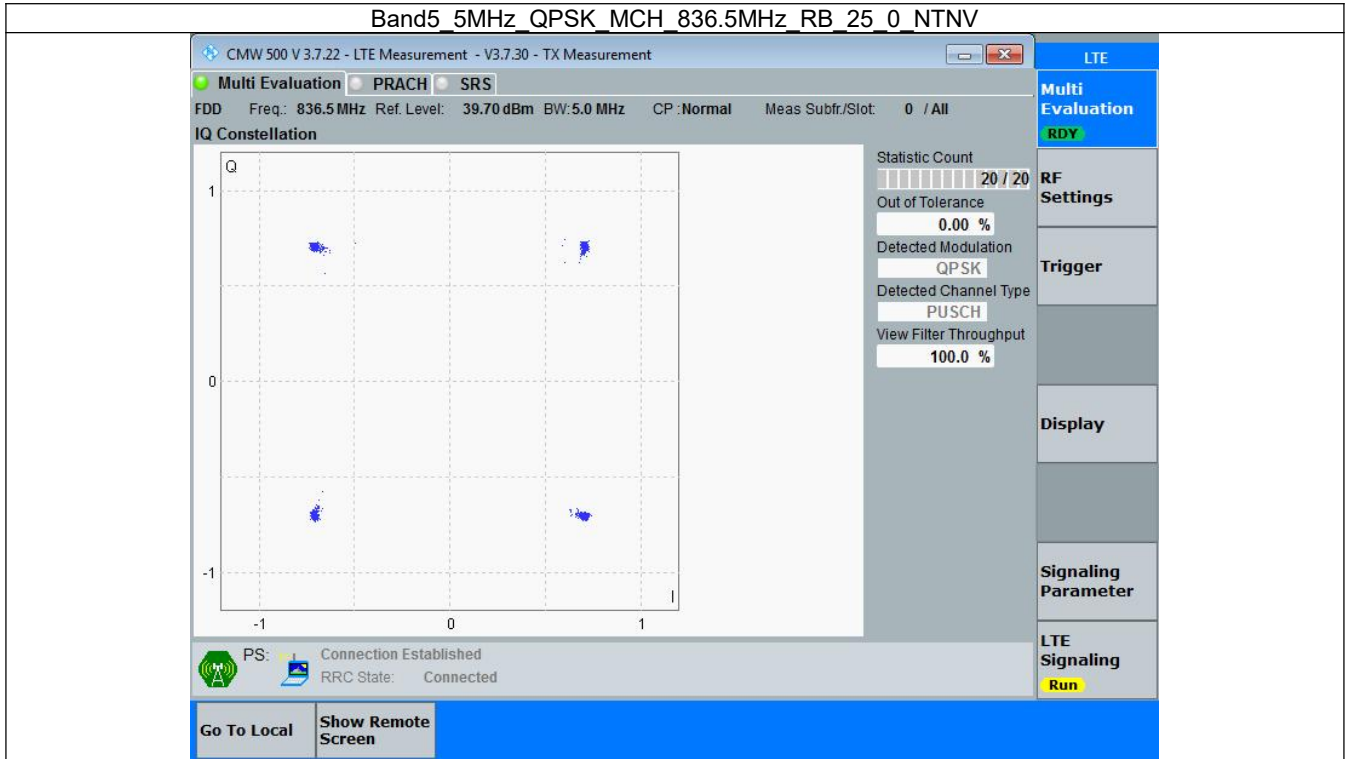


3.3 B5_5MHz

3.3.1 Test Result

Band: 5 / Bandwidth: 5MHz / 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

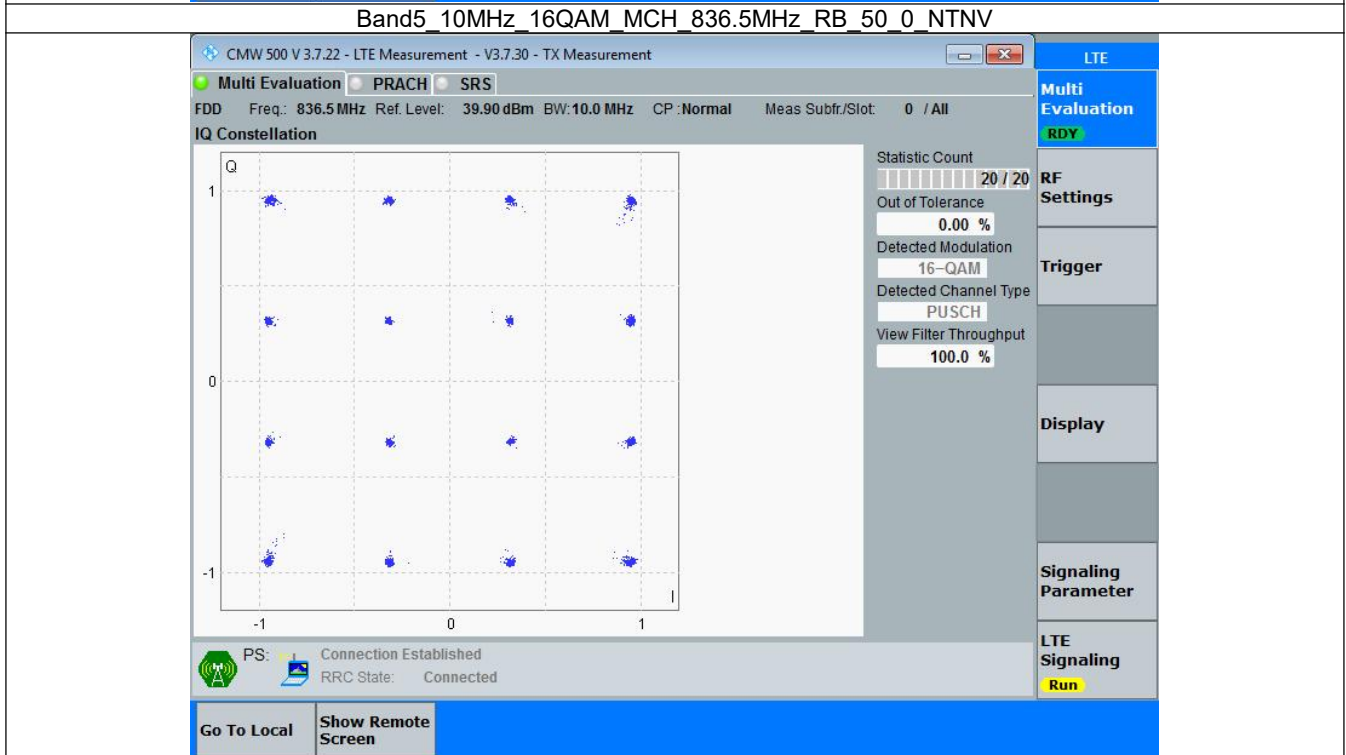
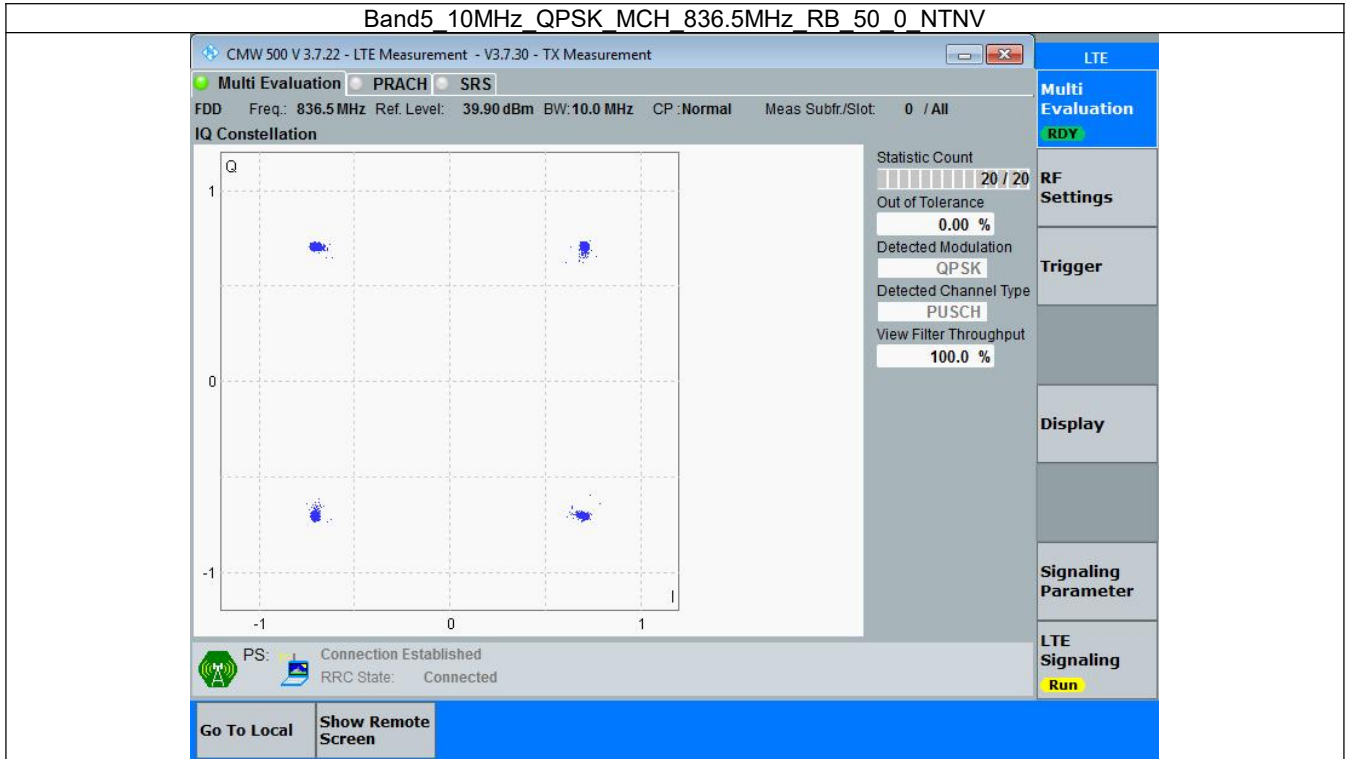


3.4 B5_10MHz

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



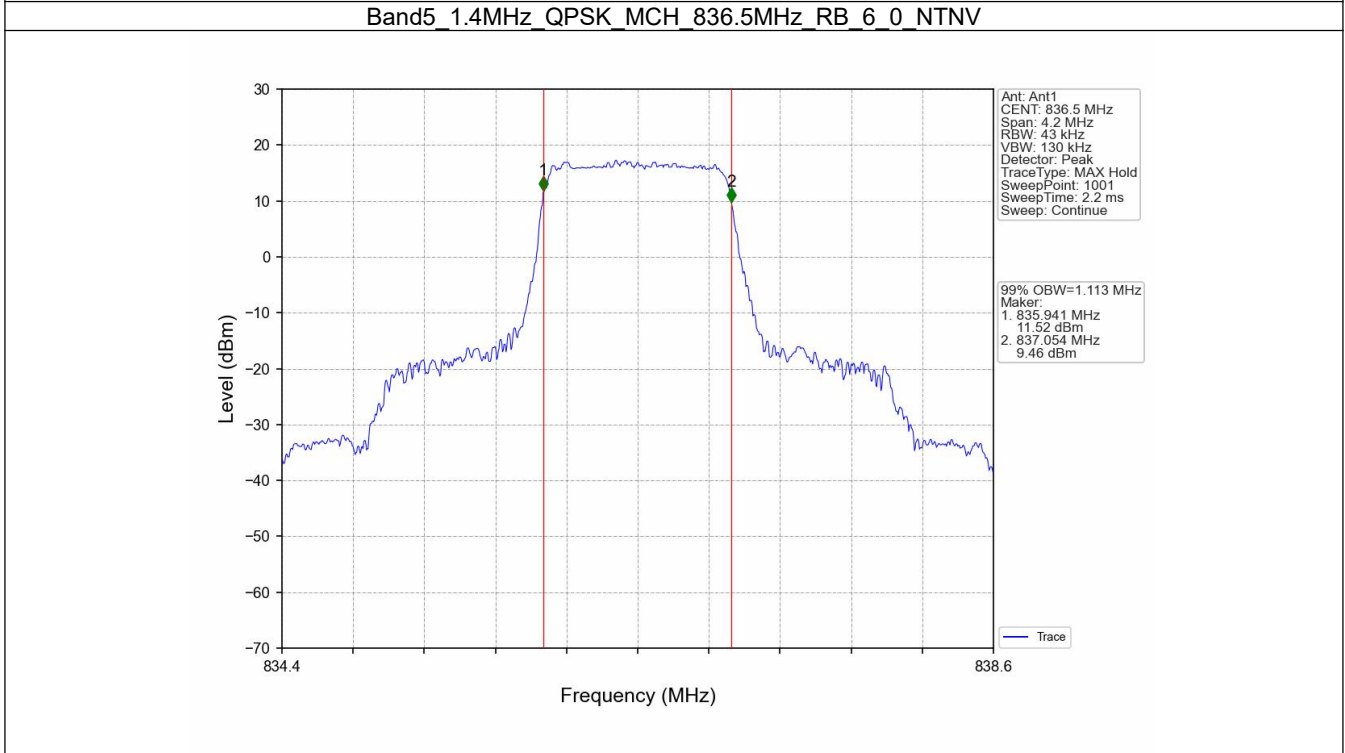
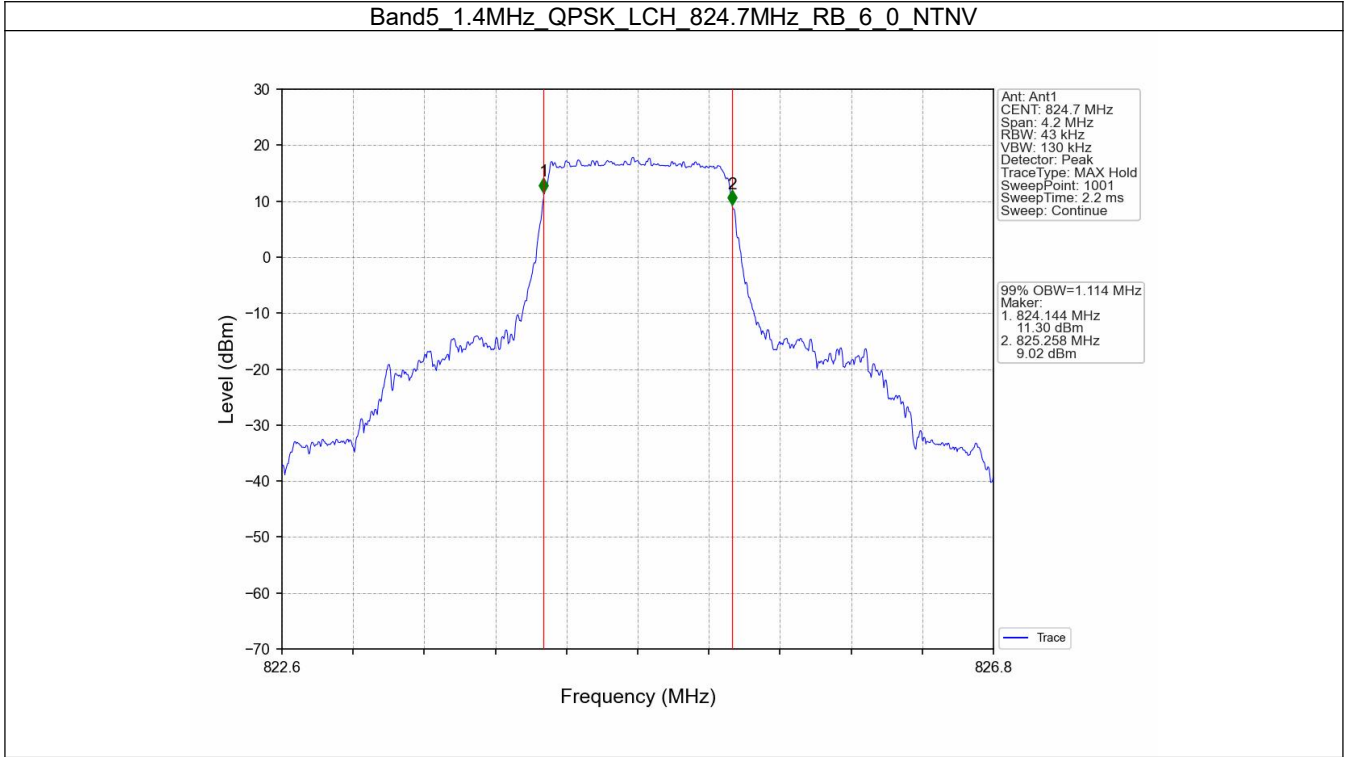
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

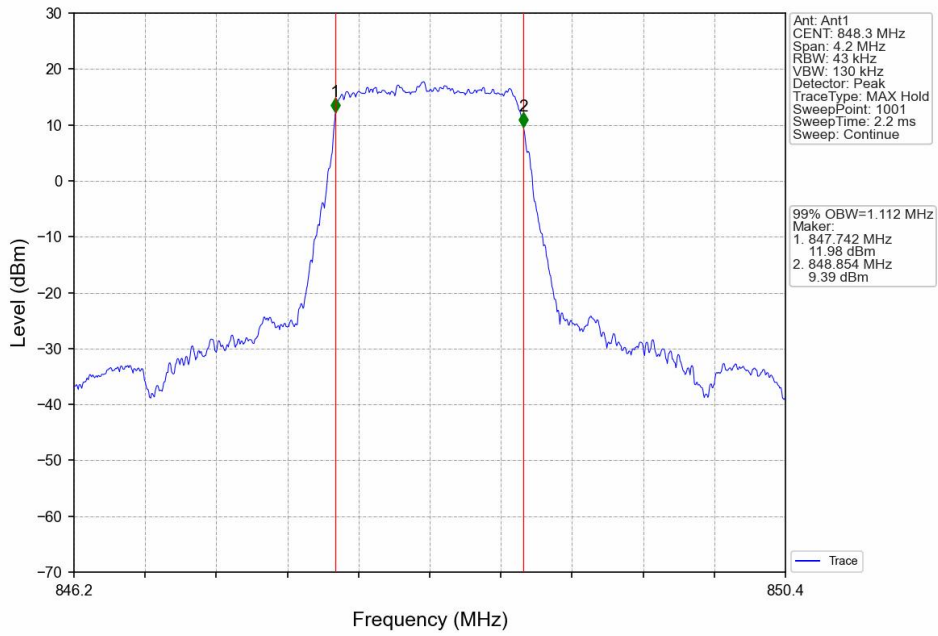
4.1.1 Test Result

Band: 5 / NTNv						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.114	Pass
		836.5	6	0	1.113	Pass
		848.3	6	0	1.112	Pass
	16QAM	824.7	6	0	1.105	Pass
		836.5	6	0	1.121	Pass
		848.3	6	0	1.109	Pass
3	QPSK	825.5	15	0	2.722	Pass
		836.5	15	0	2.725	Pass
		847.5	15	0	2.725	Pass
	16QAM	825.5	15	0	2.720	Pass
		836.5	15	0	2.721	Pass
		847.5	15	0	2.721	Pass
5	QPSK	826.5	25	0	4.557	Pass
		836.5	25	0	4.561	Pass
		846.5	25	0	4.595	Pass
	16QAM	826.5	25	0	4.592	Pass
		836.5	25	0	4.570	Pass
		846.5	25	0	4.566	Pass
10	QPSK	829	50	0	9.098	Pass
		836.5	50	0	9.039	Pass
		844	50	0	9.107	Pass
	16QAM	829	50	0	9.071	Pass
		836.5	50	0	9.059	Pass
		844	50	0	9.113	Pass

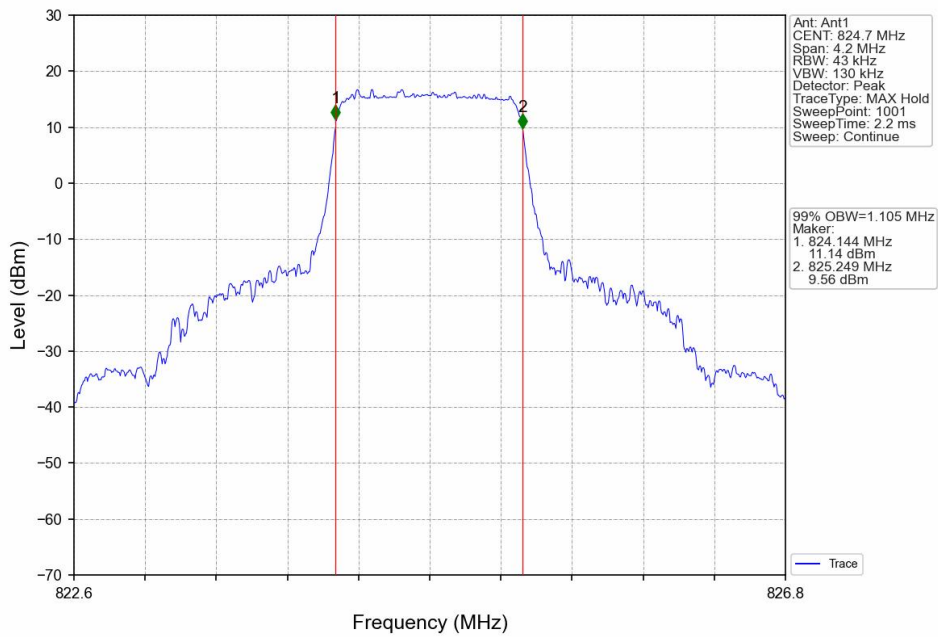
4.1.2 Test Graph



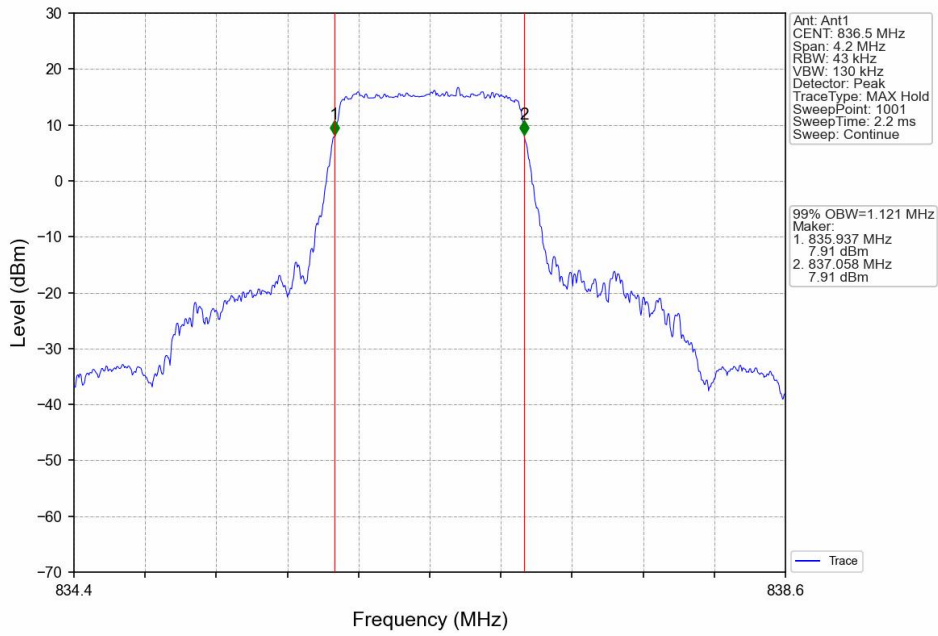
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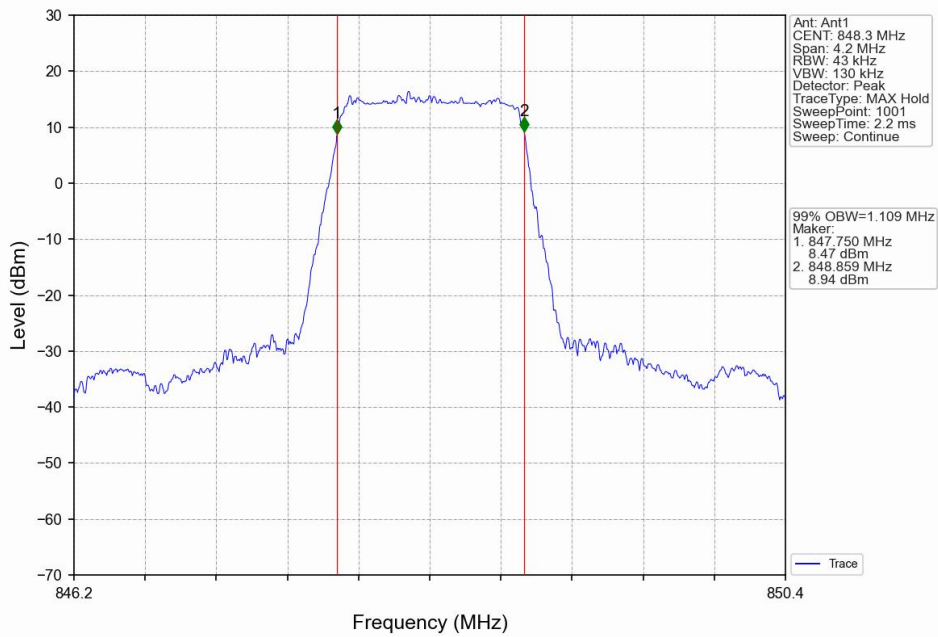
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



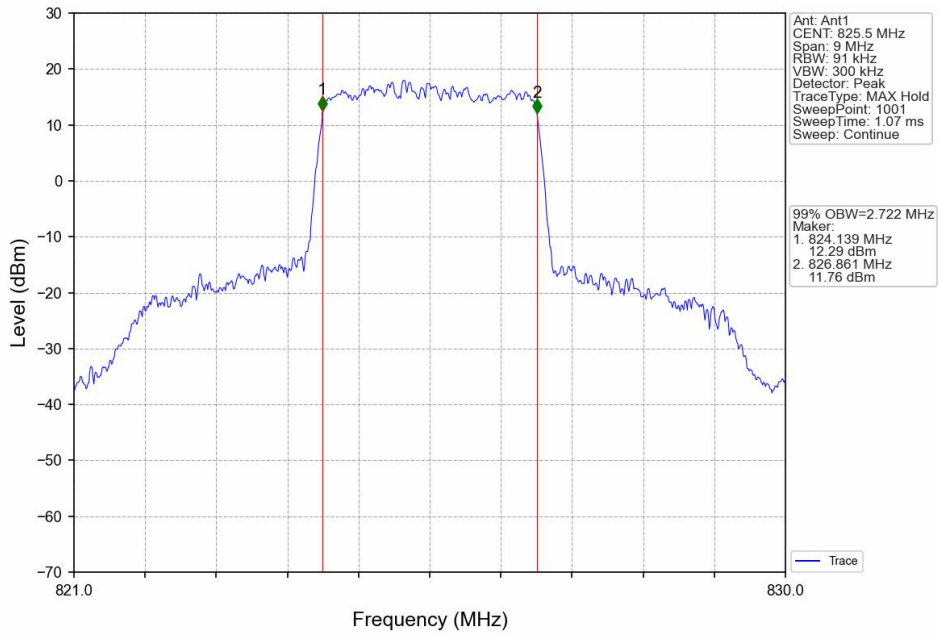
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



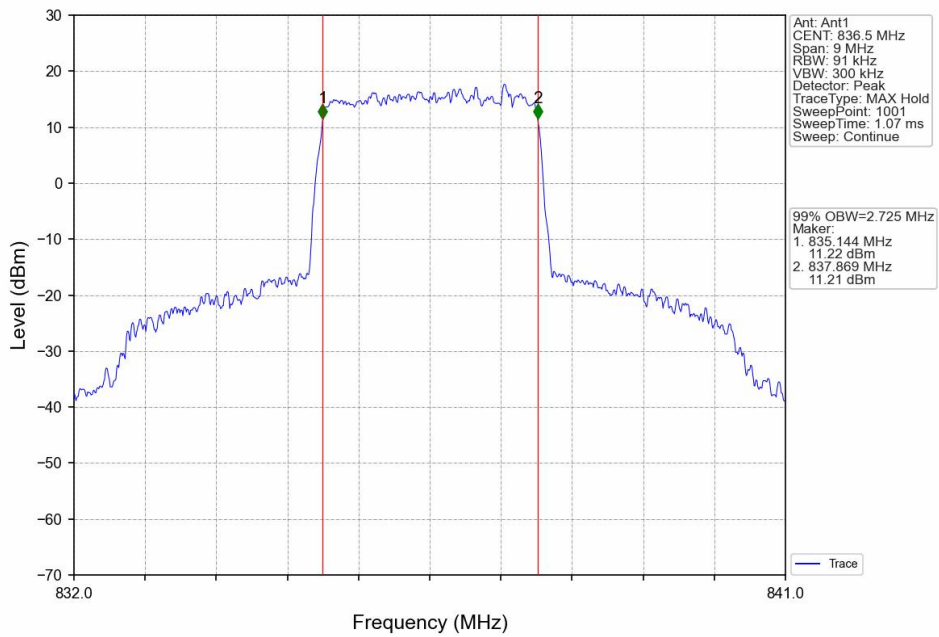
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



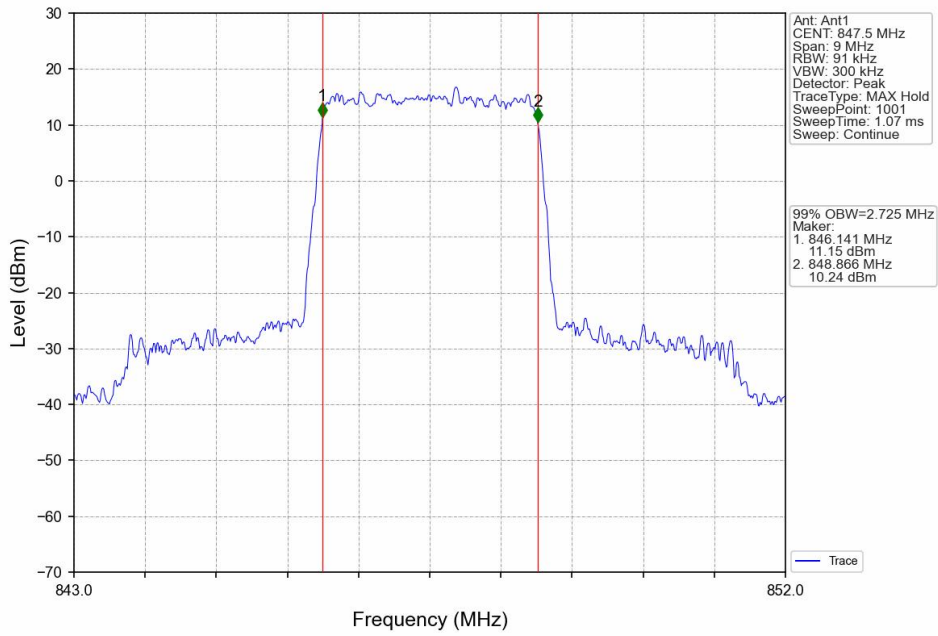
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



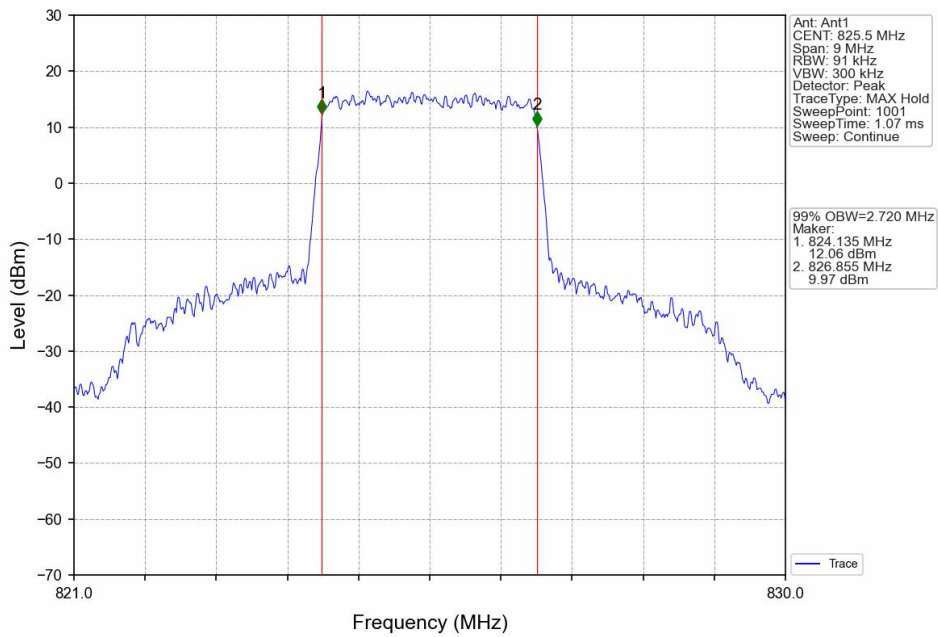
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



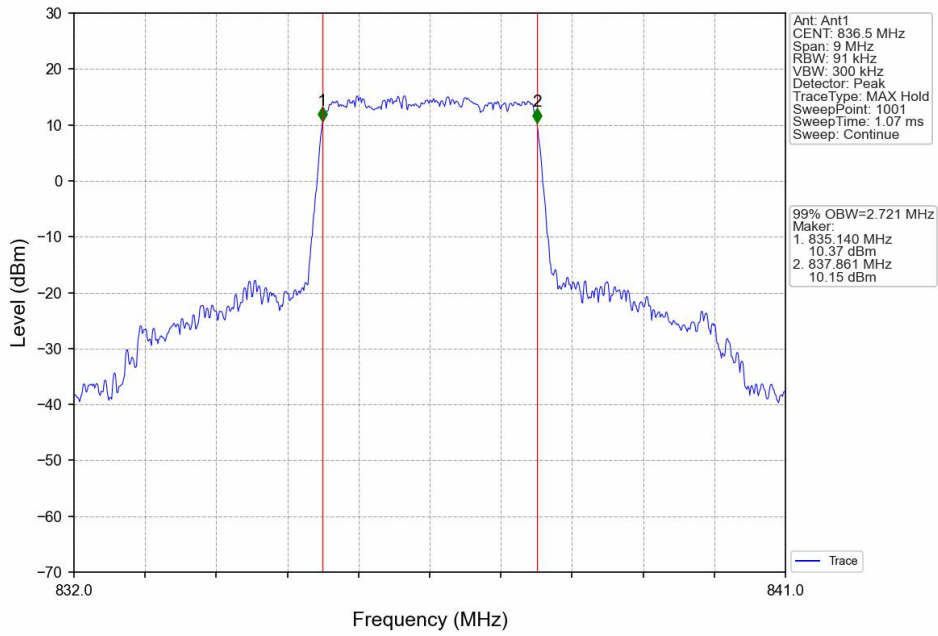
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



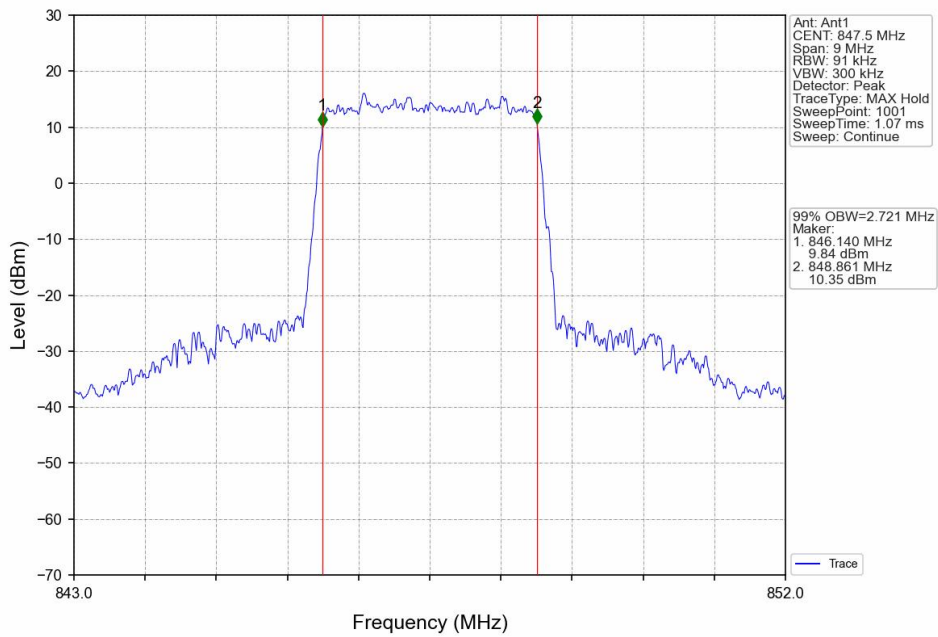
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



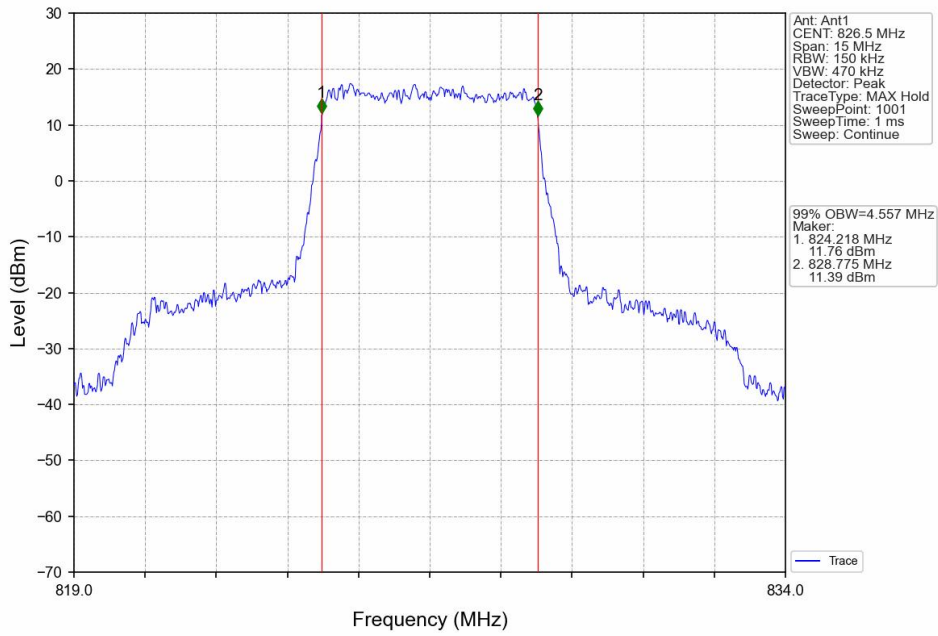
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



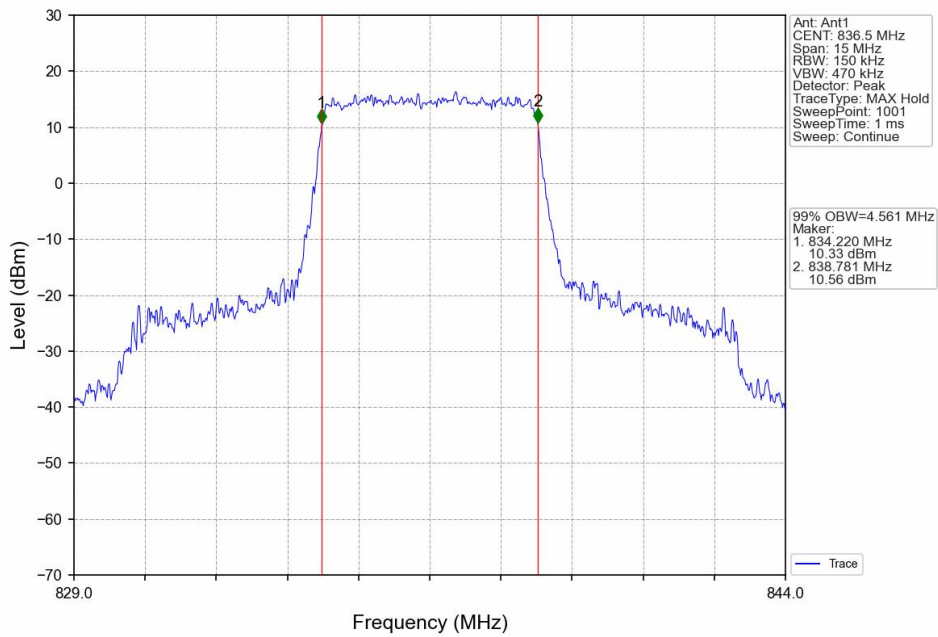
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



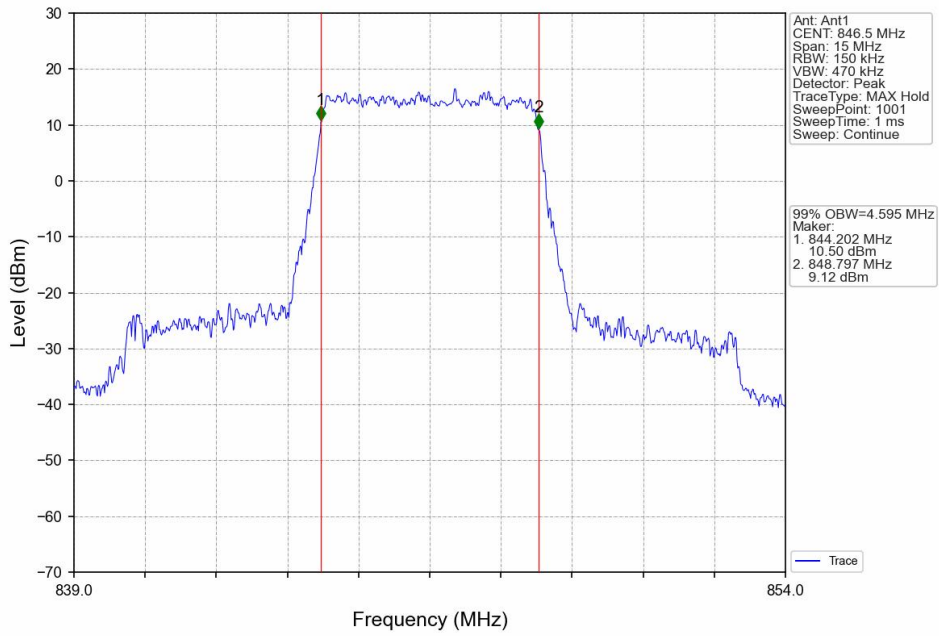
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



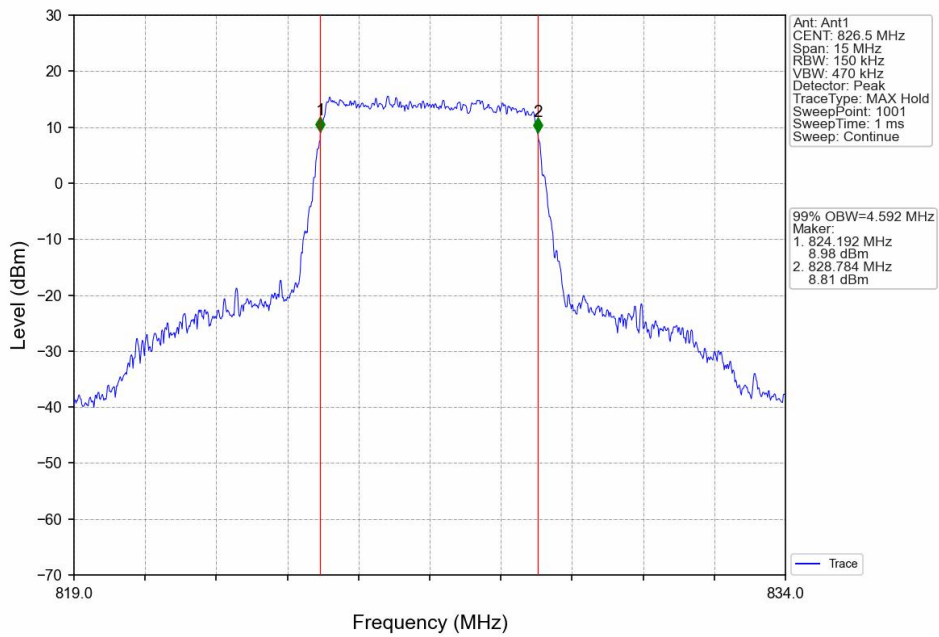
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



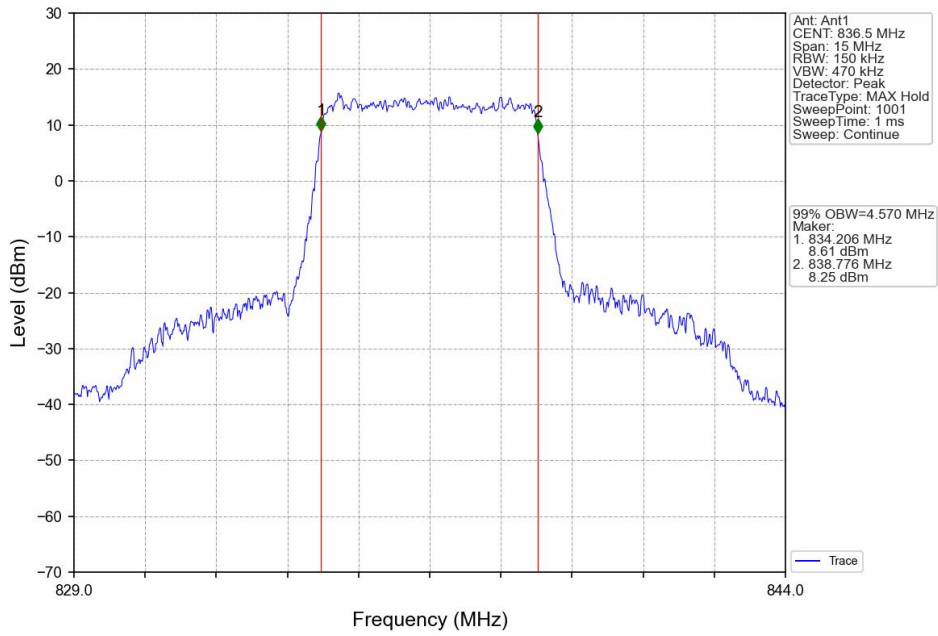
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



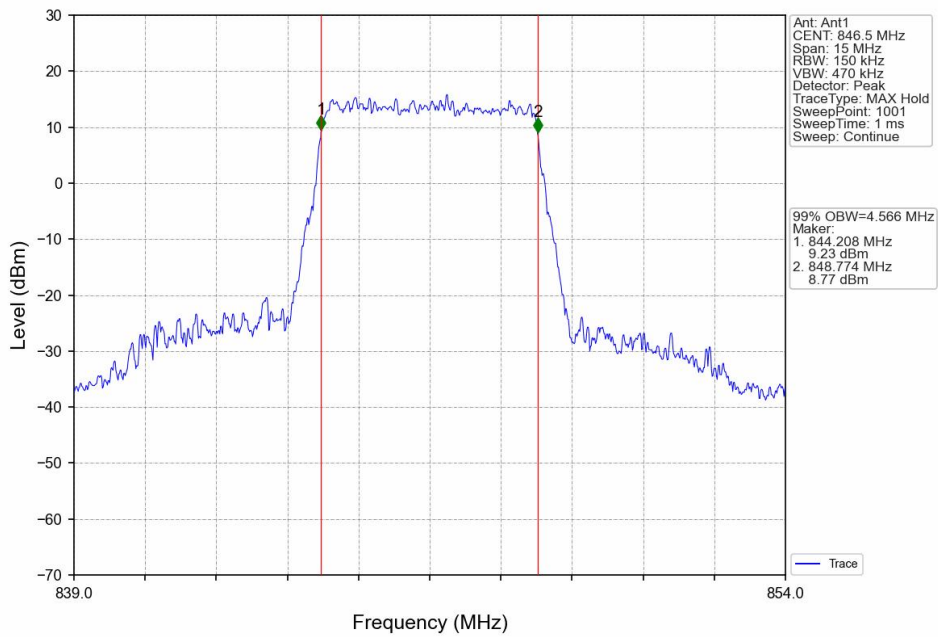
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



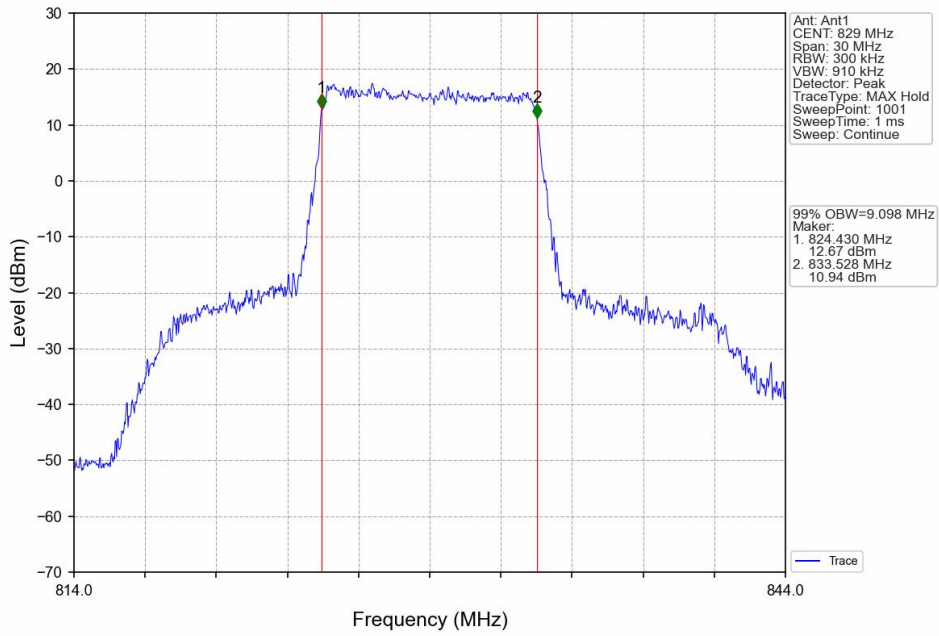
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



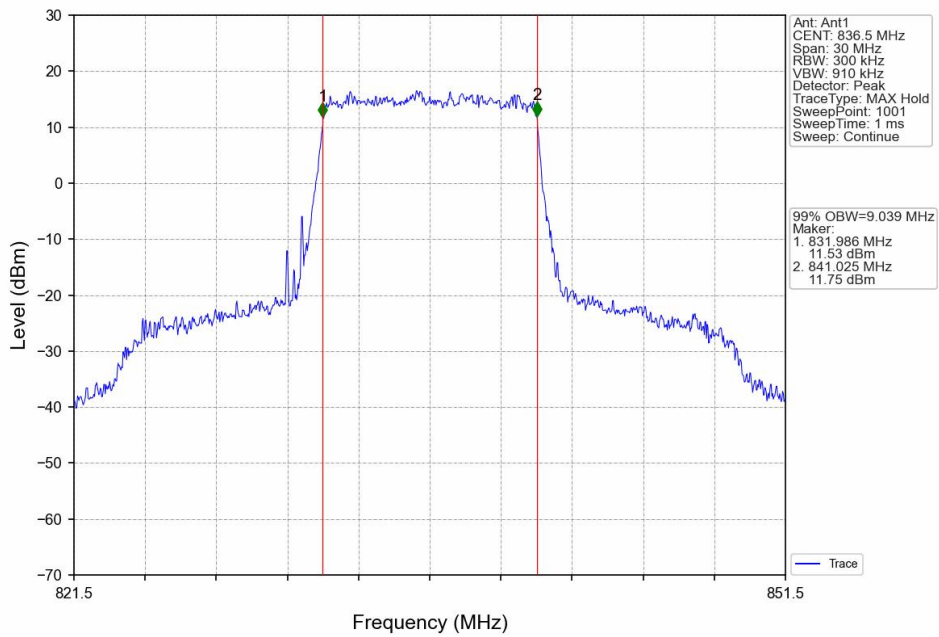
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



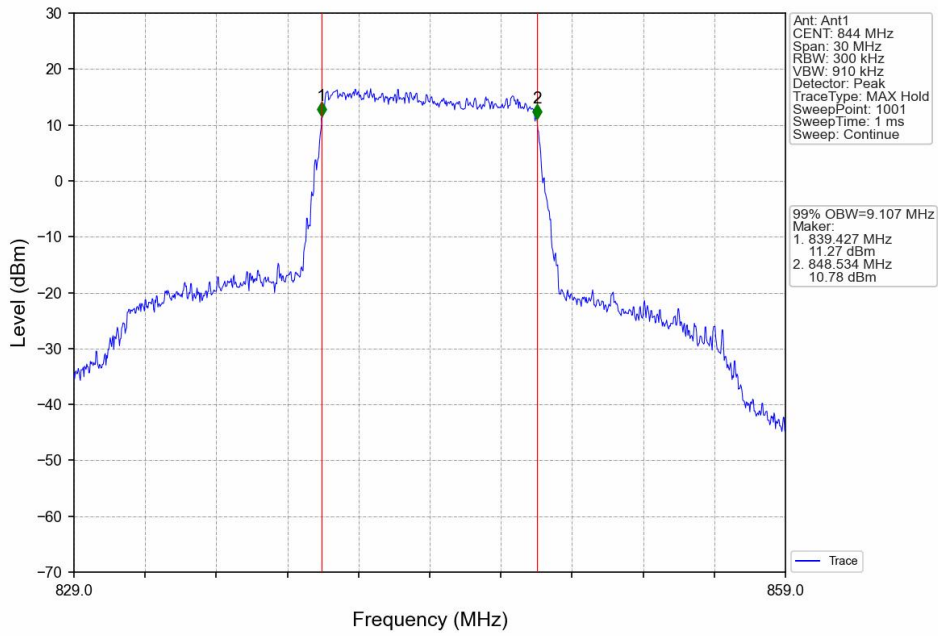
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



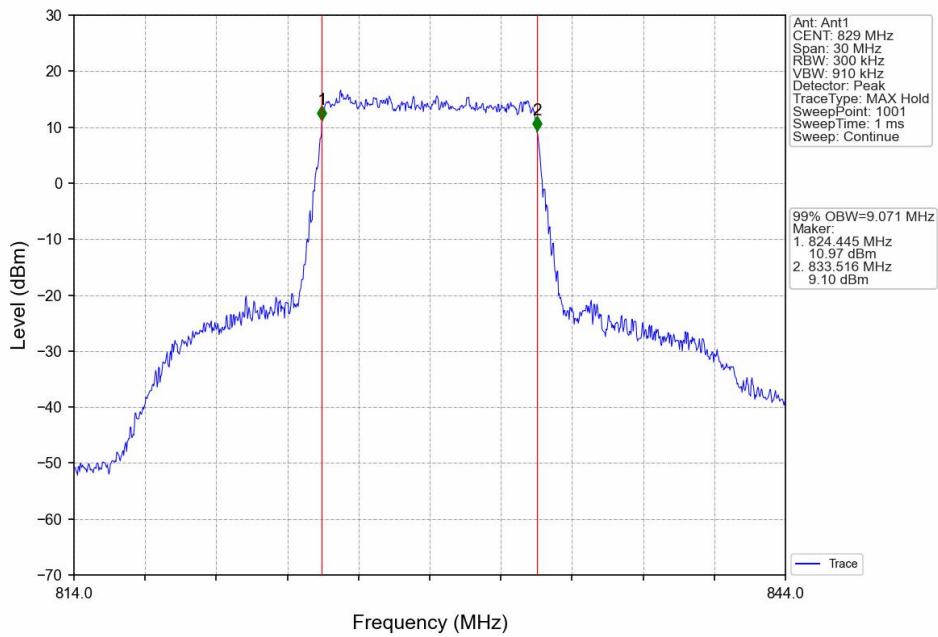
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



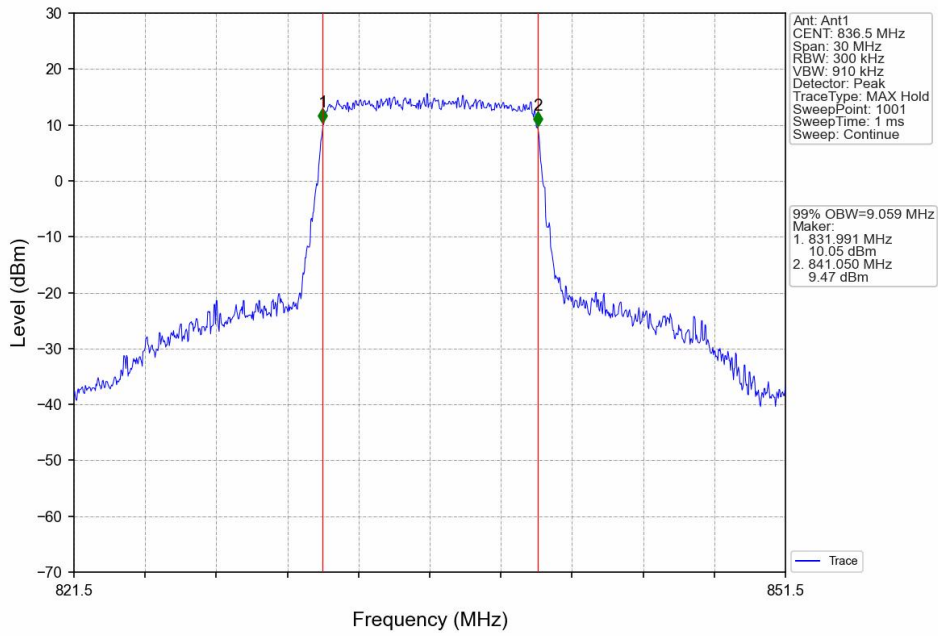
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



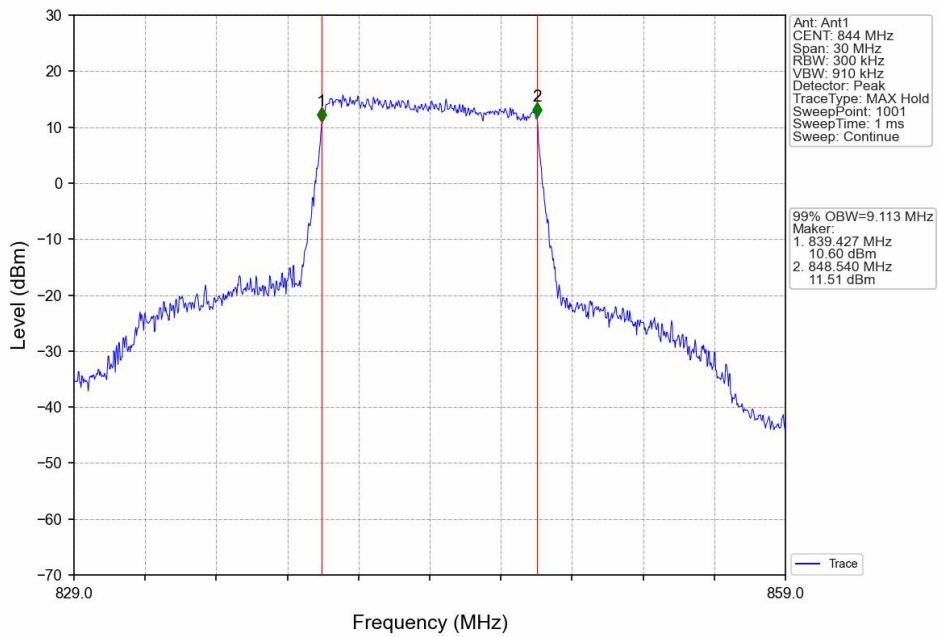
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

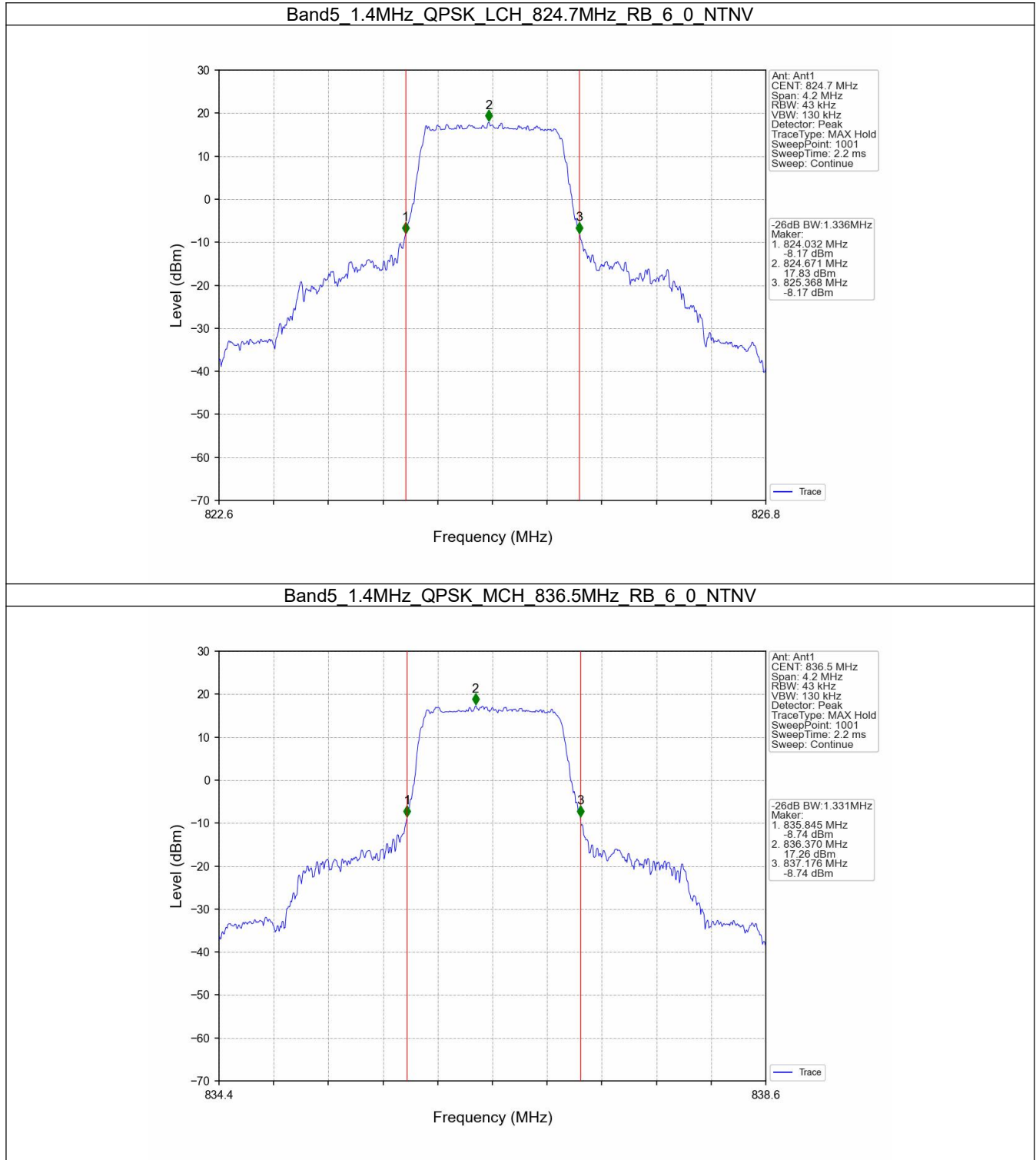


4.2 Band5_XDB

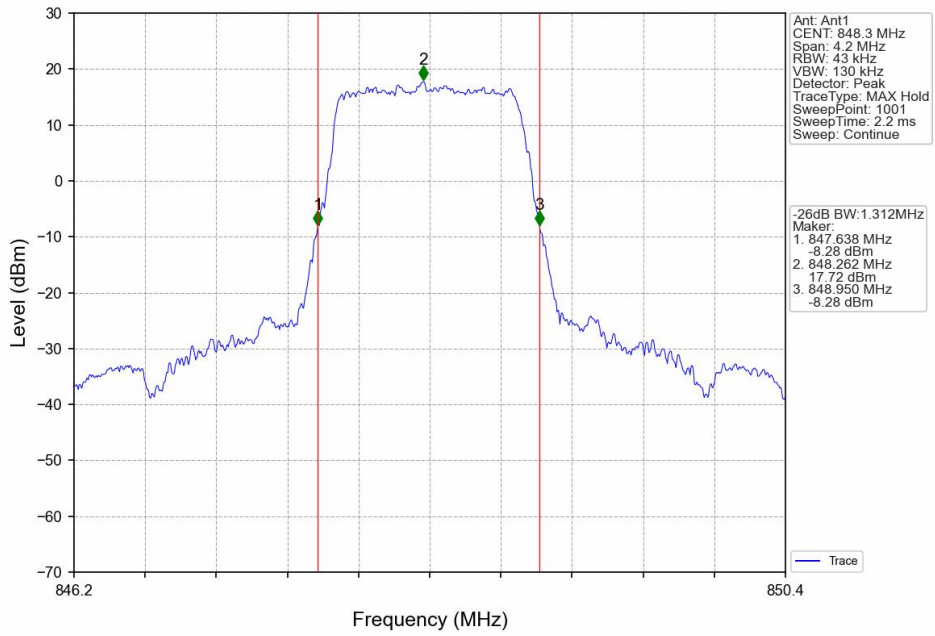
4.2.1 Test Result

Band: 5 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.336	Pass
		836.5	6	0	1.331	Pass
		848.3	6	0	1.312	Pass
	16QAM	824.7	6	0	1.311	Pass
		836.5	6	0	1.340	Pass
		848.3	6	0	1.319	Pass
3	QPSK	825.5	15	0	2.996	Pass
		836.5	15	0	2.985	Pass
		847.5	15	0	3.002	Pass
	16QAM	825.5	15	0	2.993	Pass
		836.5	15	0	3.002	Pass
		847.5	15	0	3.013	Pass
5	QPSK	826.5	25	0	5.263	Pass
		836.5	25	0	5.255	Pass
		846.5	25	0	5.245	Pass
	16QAM	826.5	25	0	5.278	Pass
		836.5	25	0	5.235	Pass
		846.5	25	0	5.265	Pass
10	QPSK	829	50	0	10.299	Pass
		836.5	50	0	10.555	Pass
		844	50	0	10.338	Pass
	16QAM	829	50	0	10.184	Pass
		836.5	50	0	10.127	Pass
		844	50	0	10.197	Pass

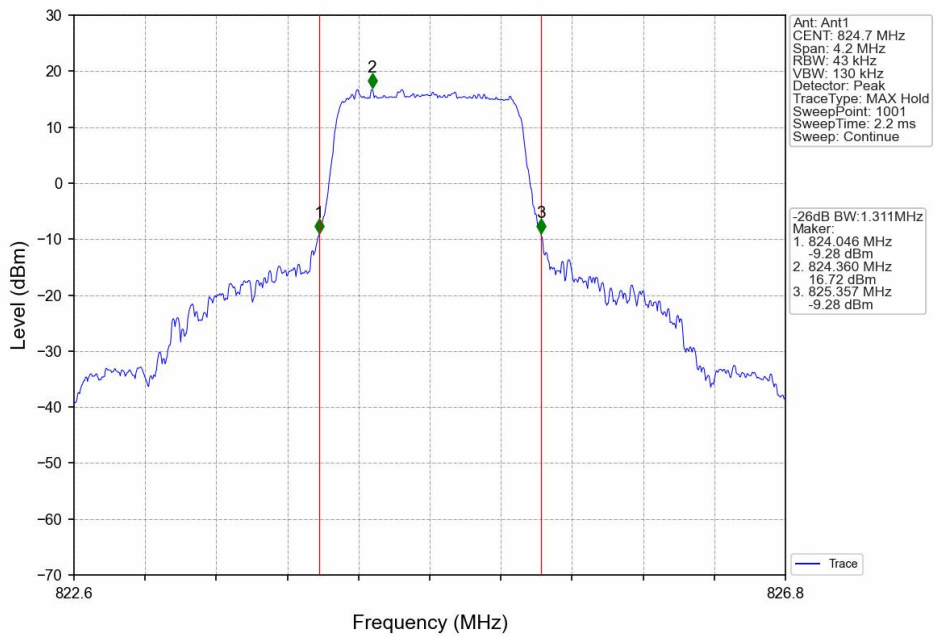
4.2.2 Test Graph



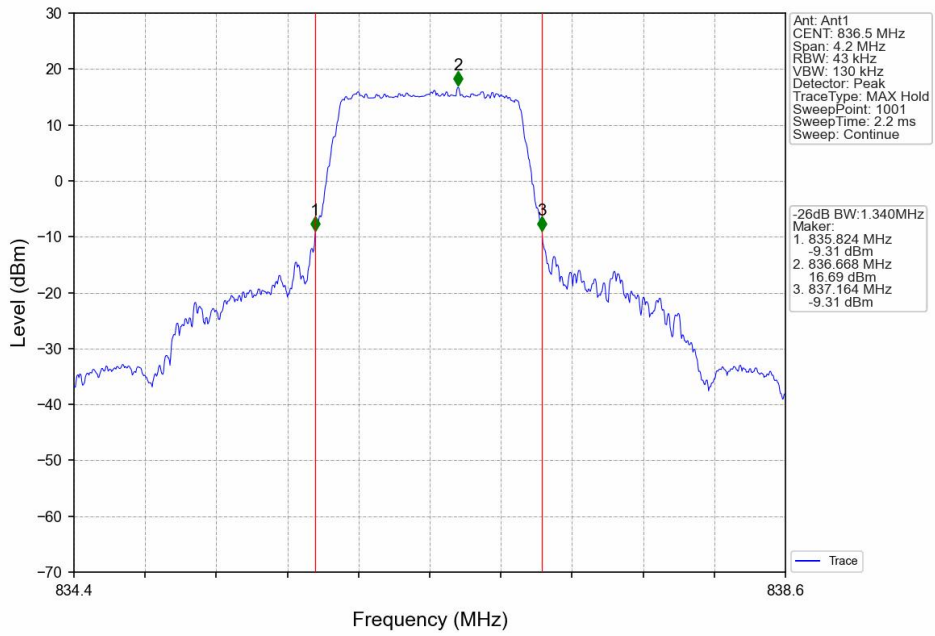
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



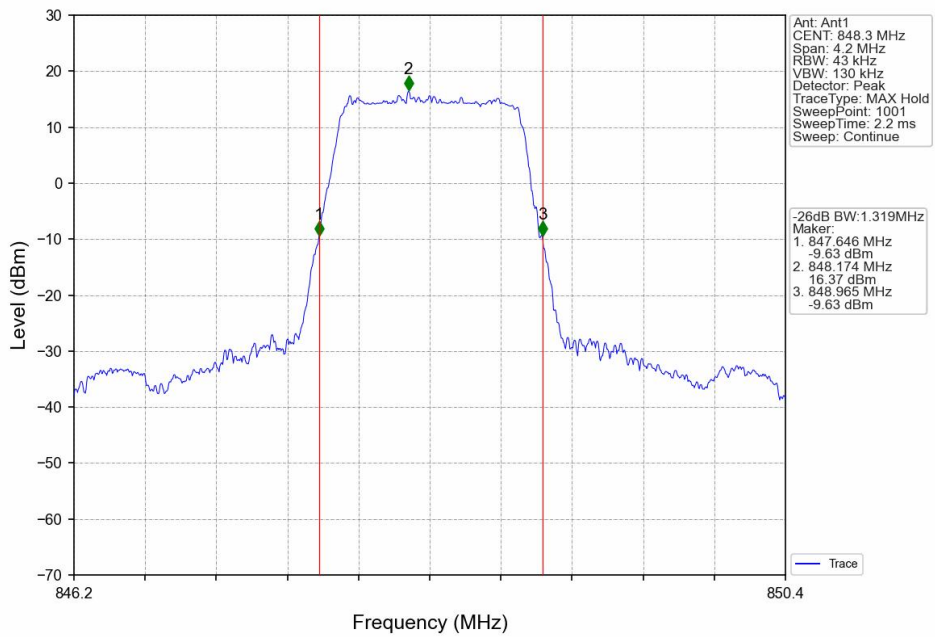
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



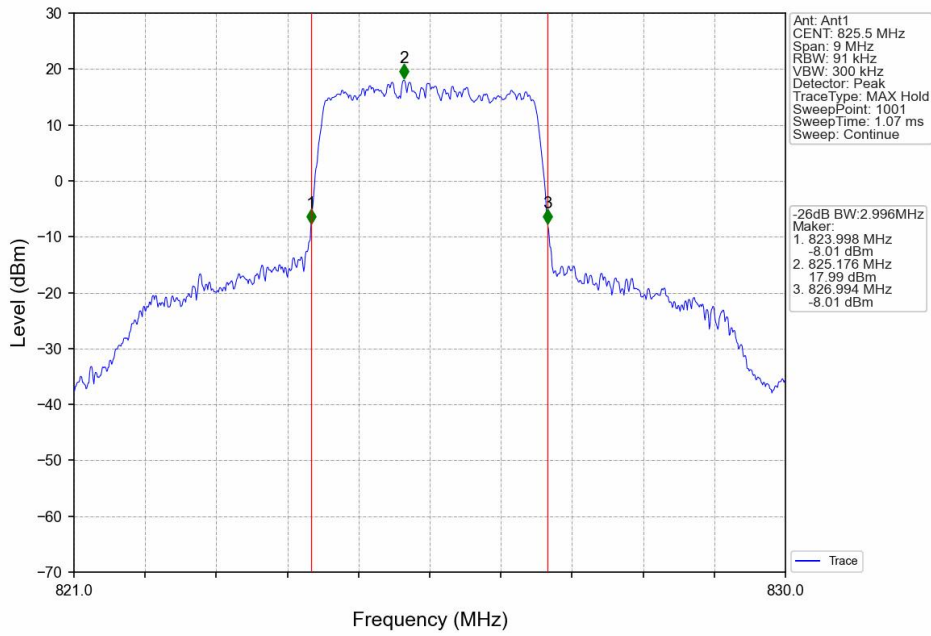
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



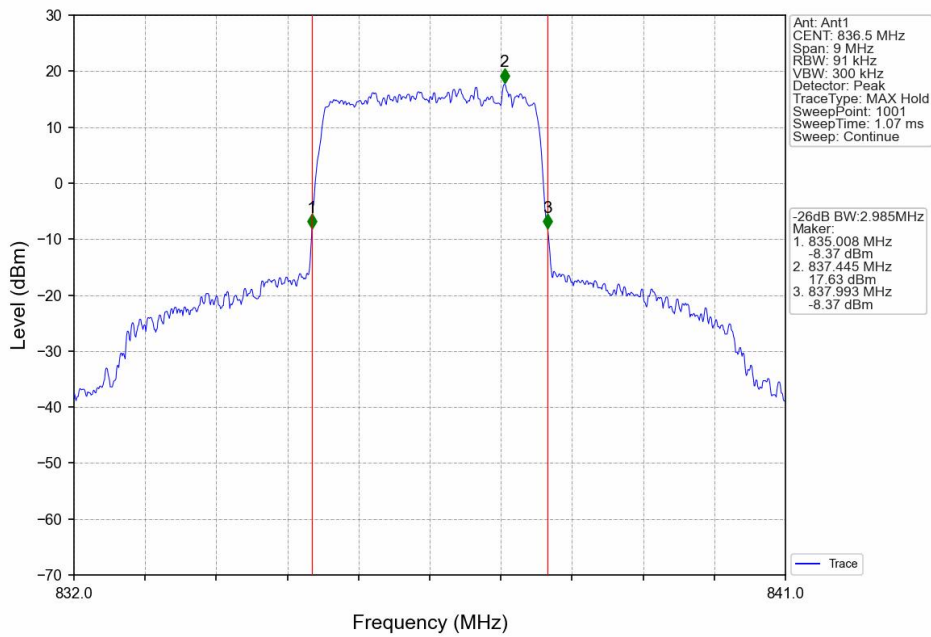
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



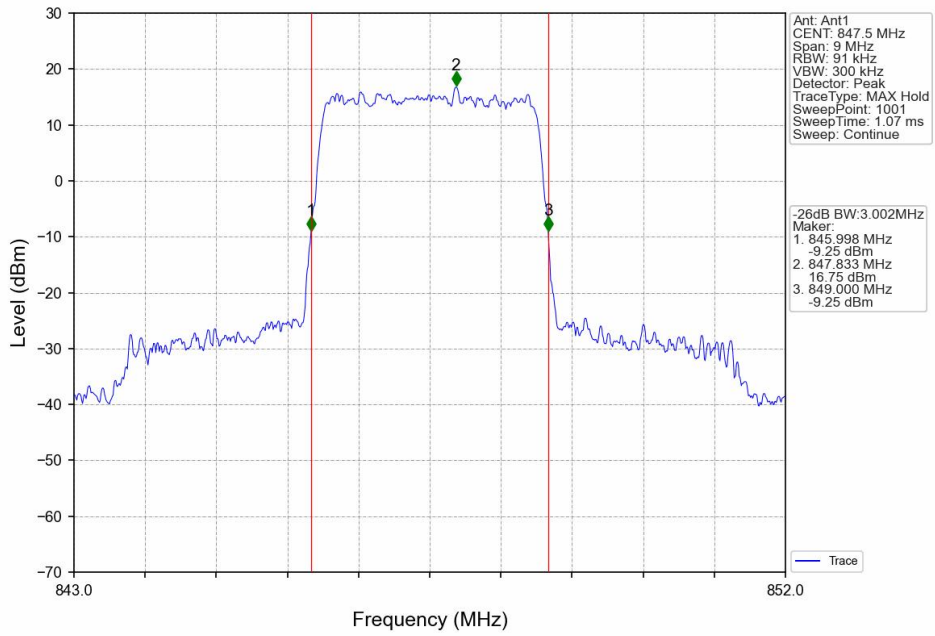
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



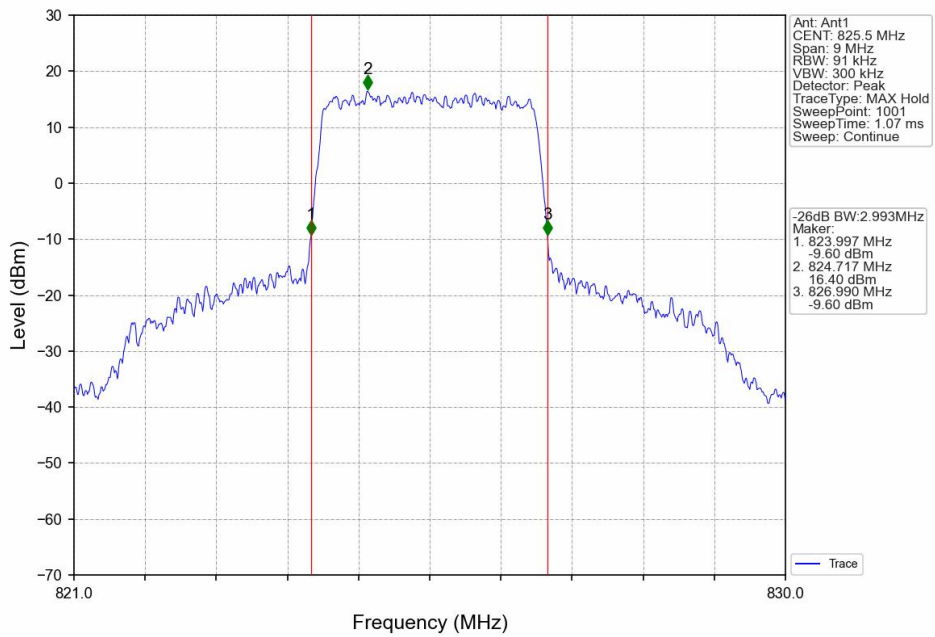
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



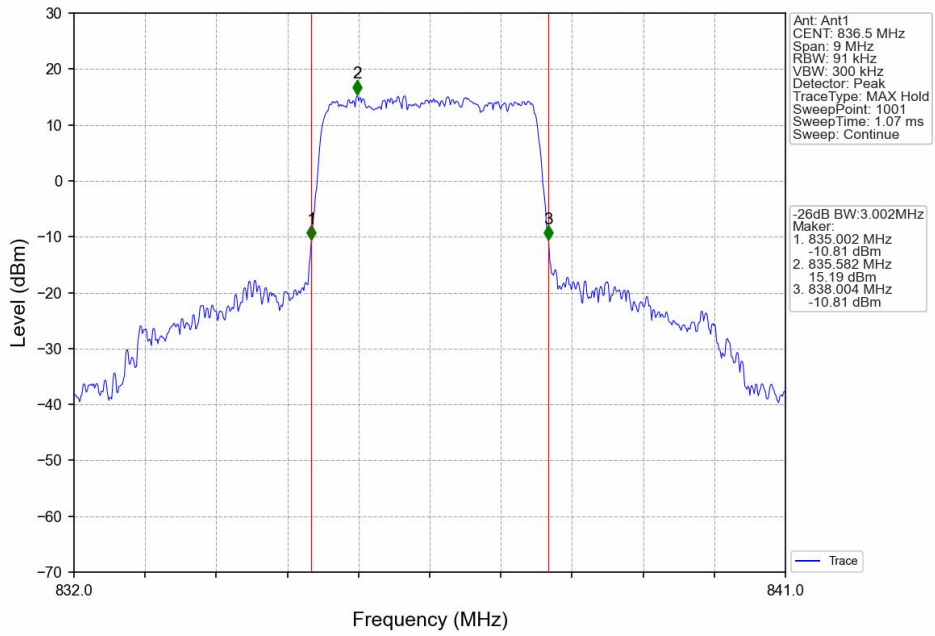
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



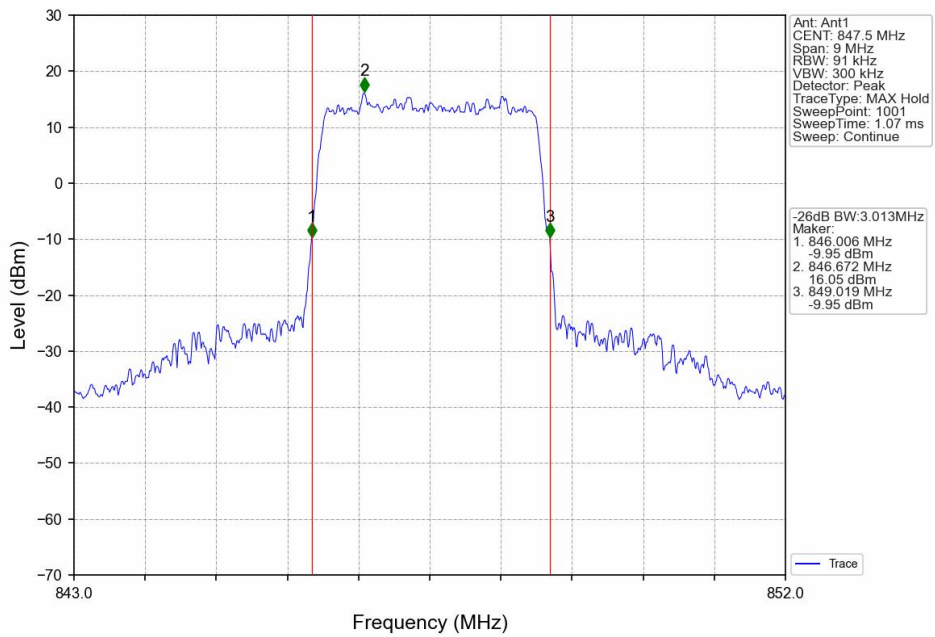
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



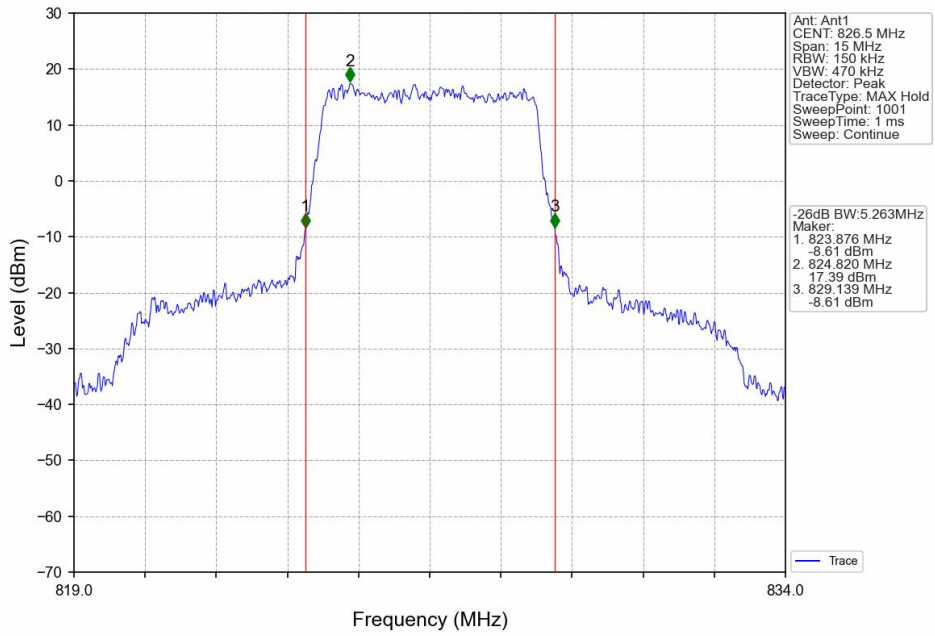
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



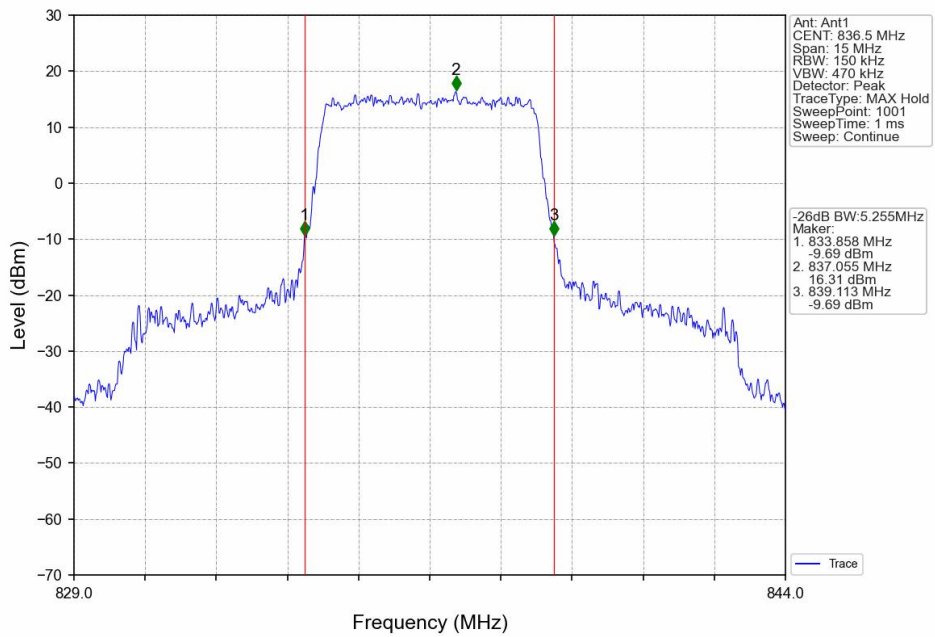
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



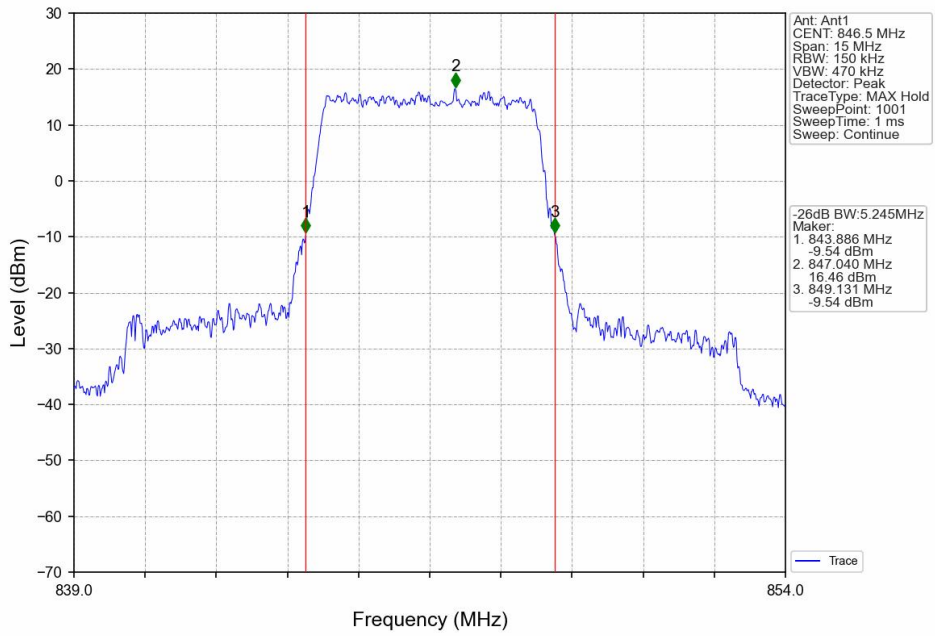
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



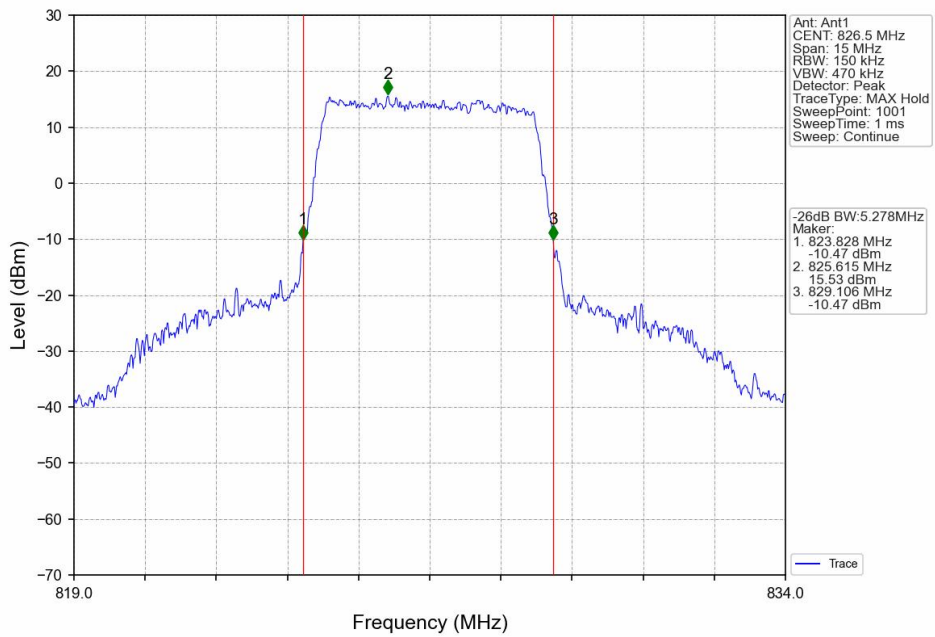
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



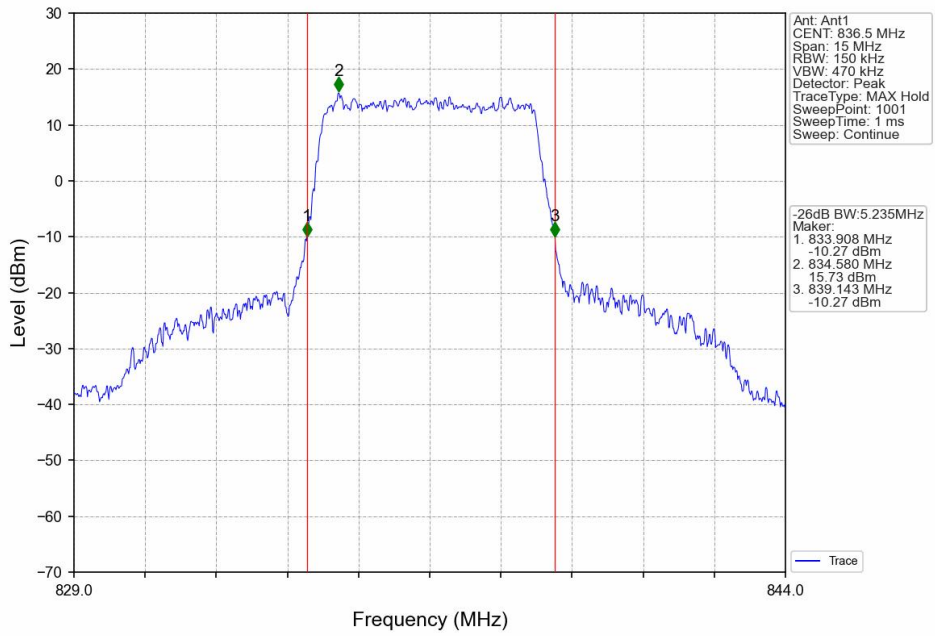
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



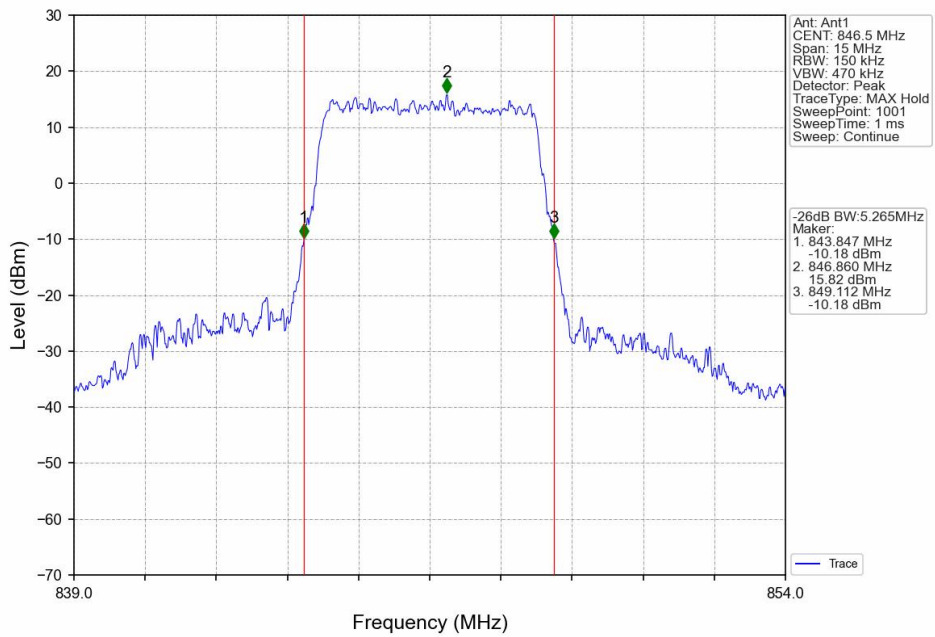
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



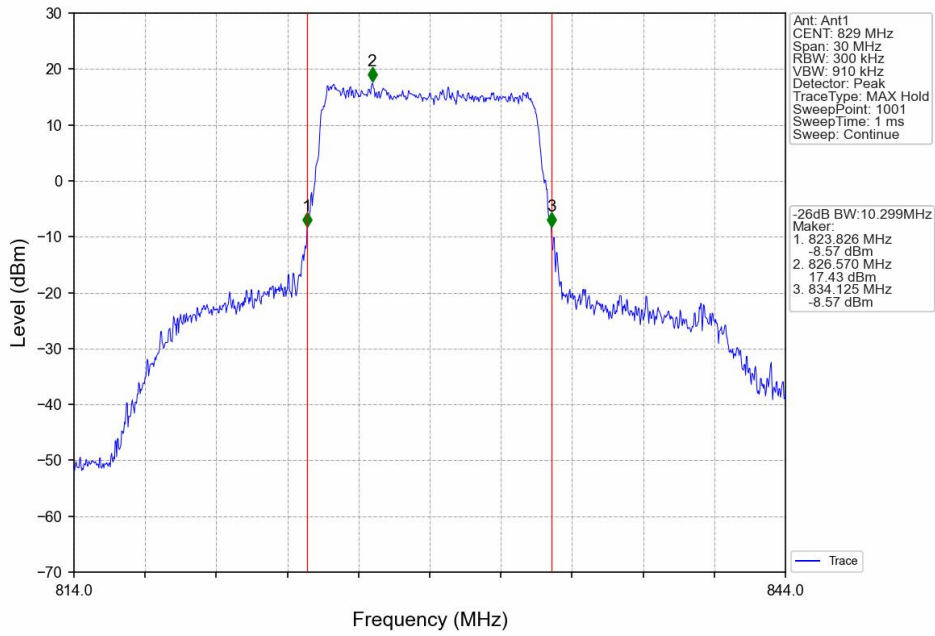
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



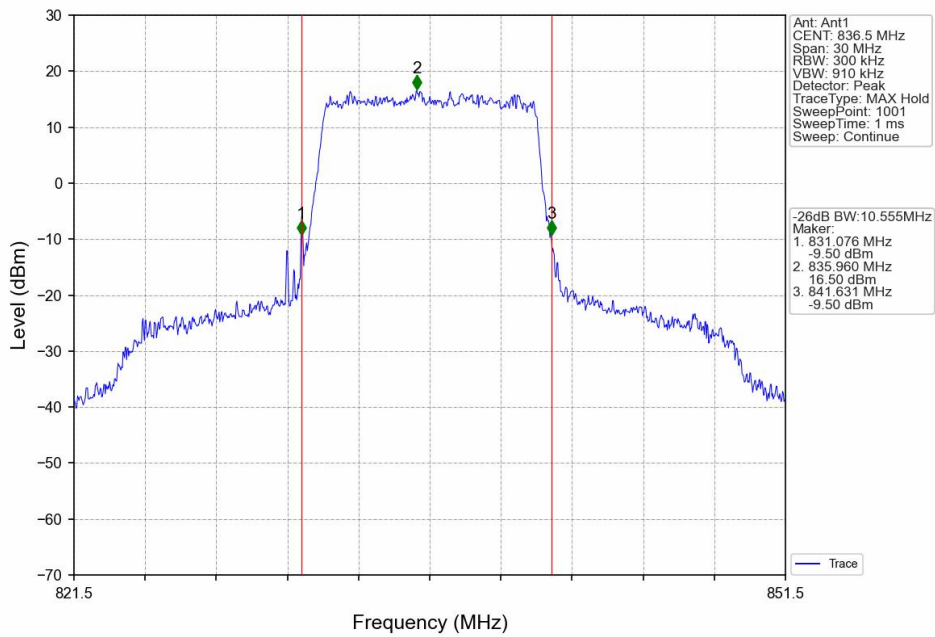
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



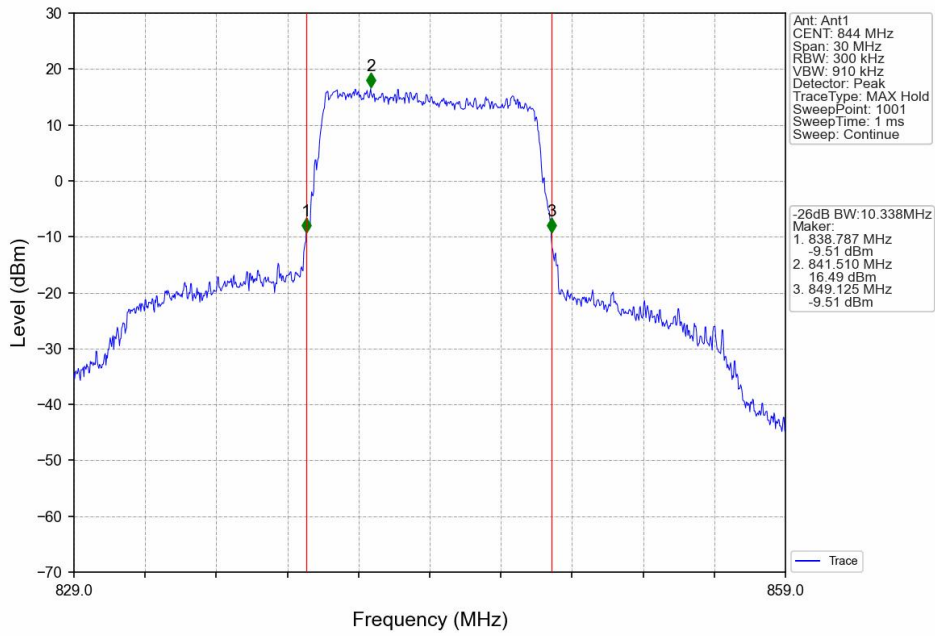
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



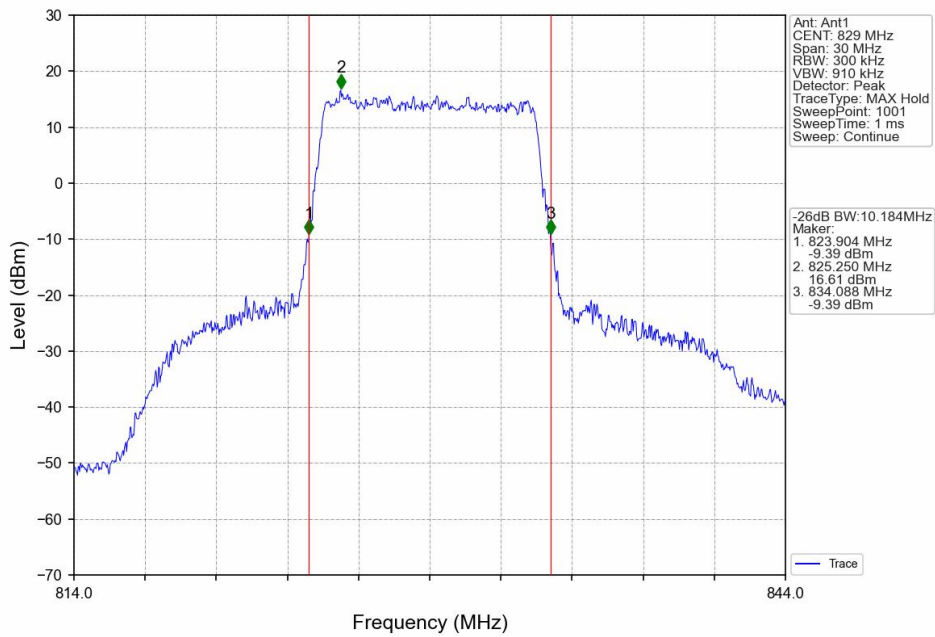
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



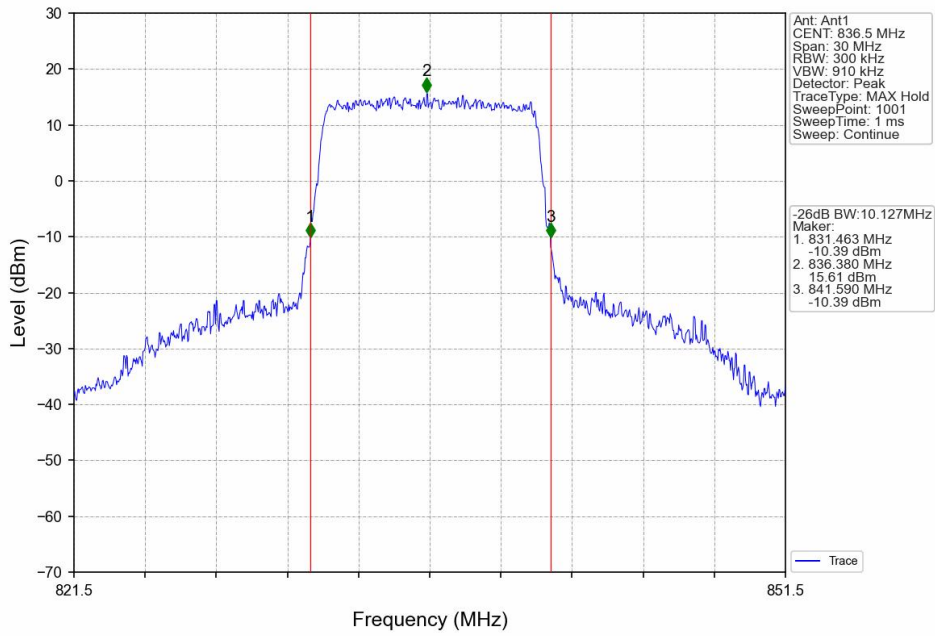
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



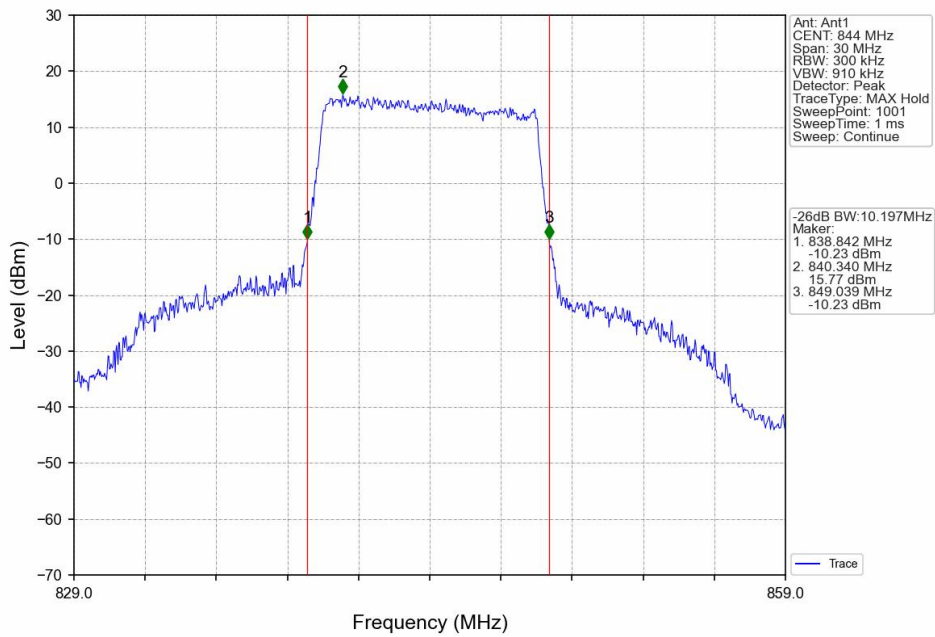
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



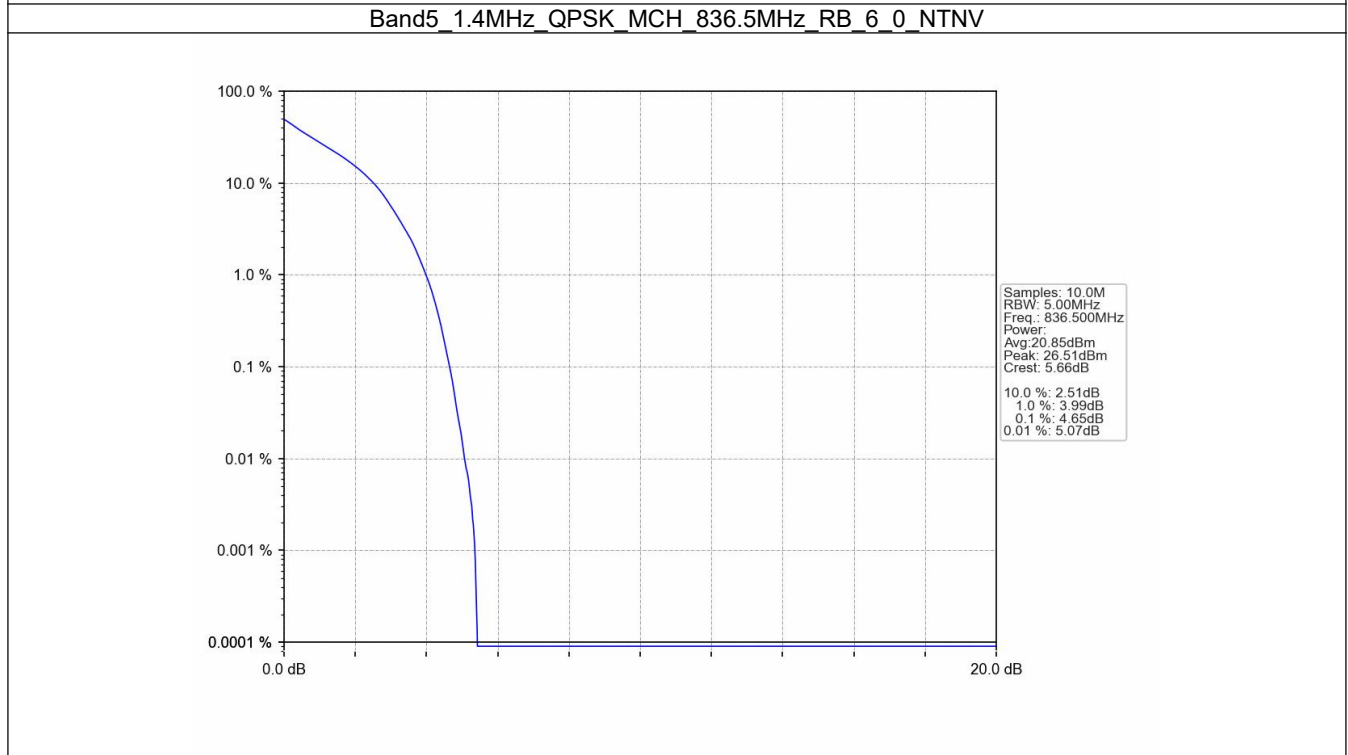
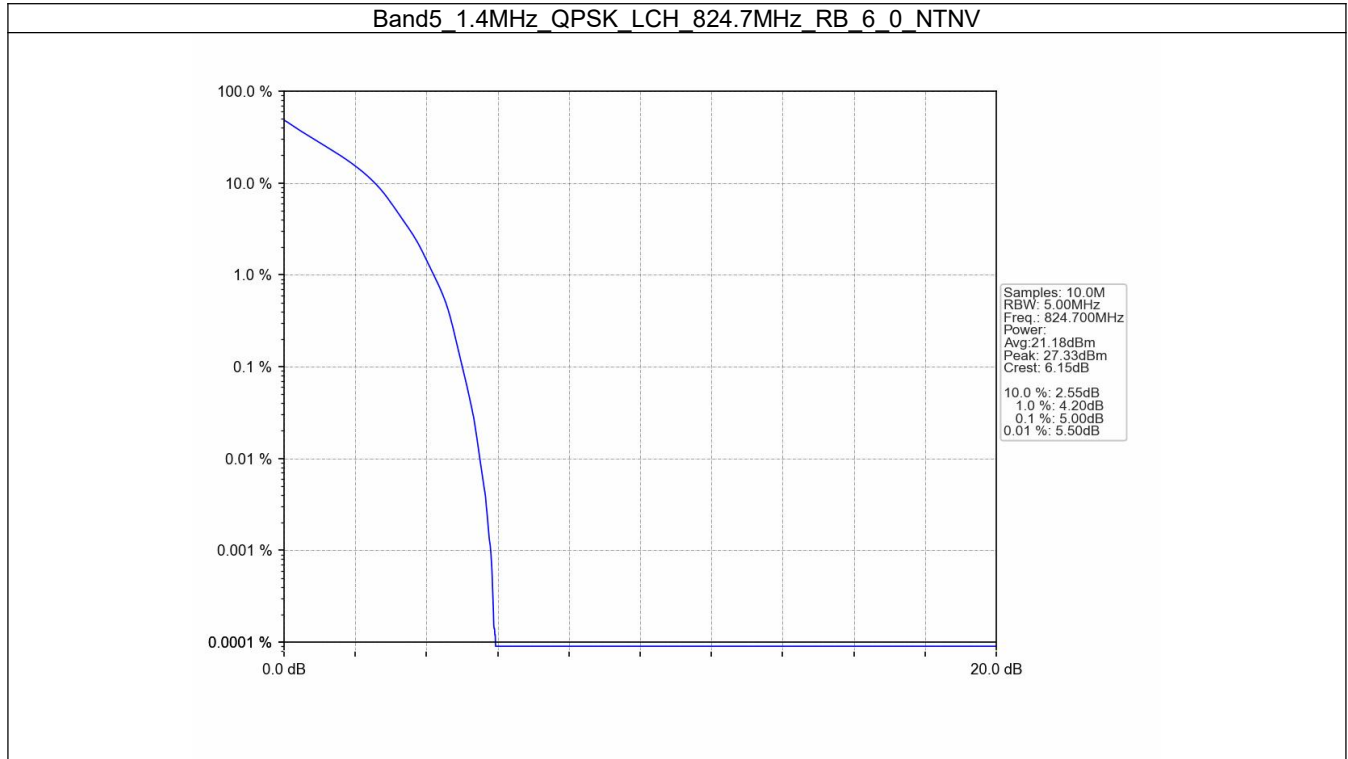
5. Peak-Average Ratio

5.1 B5_1.4MHz

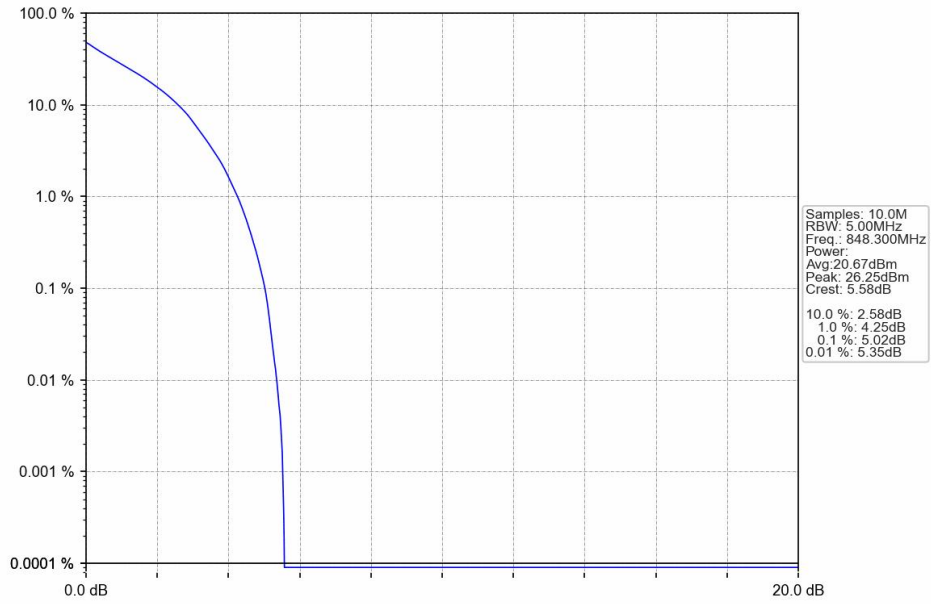
5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.00	<=13	Pass
	836.5	6	0	4.65	<=13	Pass
	848.3	6	0	5.02	<=13	Pass
16QAM	824.7	6	0	5.90	<=13	Pass
	836.5	6	0	5.49	<=13	Pass
	848.3	6	0	5.85	<=13	Pass

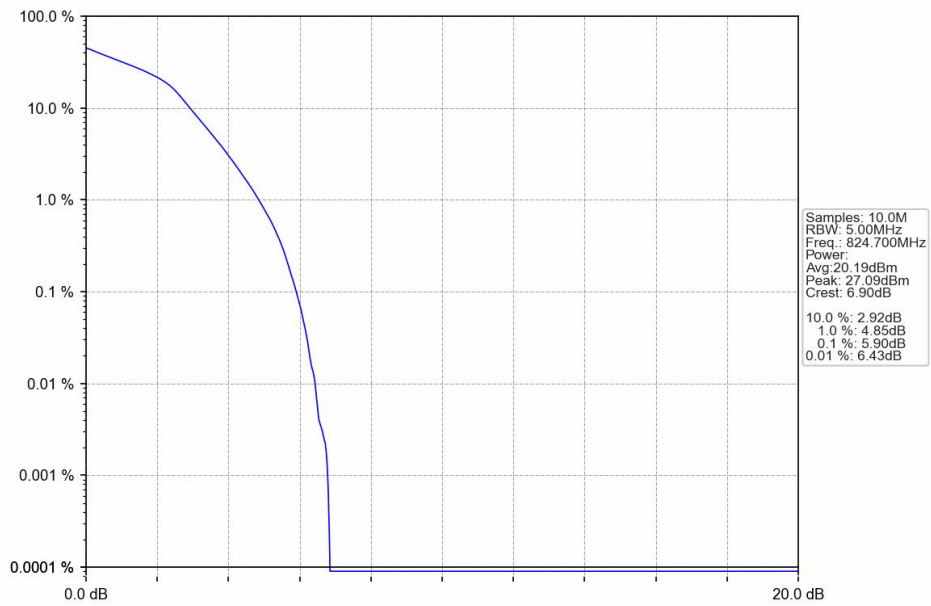
5.1.2 Test Graph



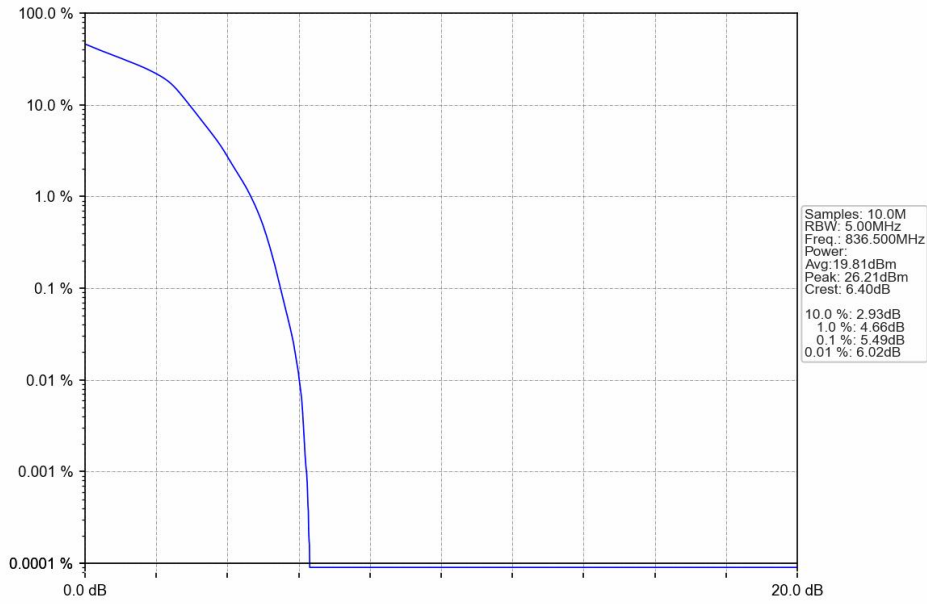
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



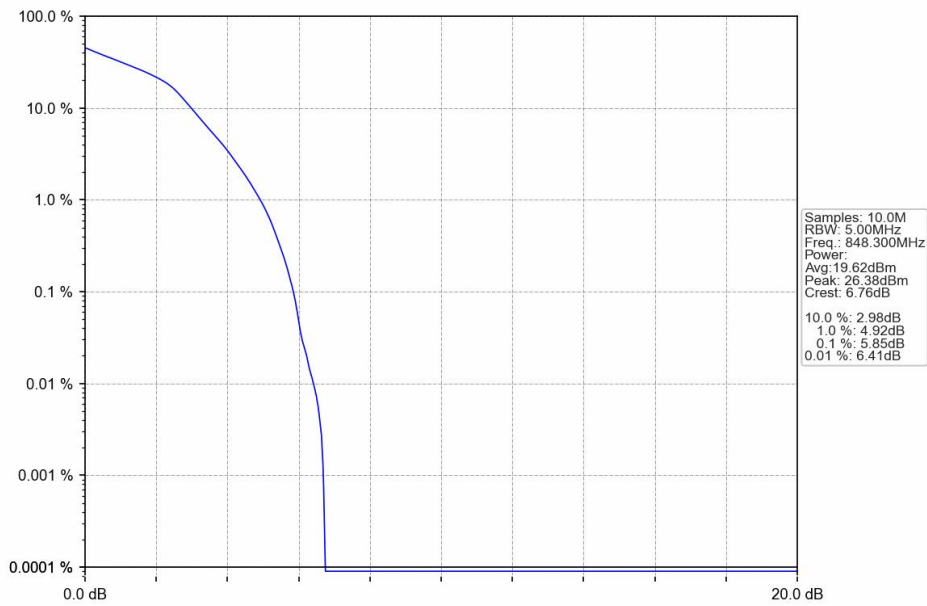
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



5.2 B5_3MHz

5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.19	<=13	Pass
	836.5	15	0	4.77	<=13	Pass
	847.5	15	0	5.16	<=13	Pass
16QAM	825.5	15	0	6.01	<=13	Pass
	836.5	15	0	5.65	<=13	Pass
	847.5	15	0	5.98	<=13	Pass