



# 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	24.11	0.58	22.54	<=38.45	Pass		
			2	24.27	0.58	22.70	<=38.45	Pass		
			5	23.64	0.58	22.07	<=38.45	Pass		
		3	0	23.55	0.58	21.98	<=38.45	Pass		
			2	23.60	0.58	22.03	<=38.45	Pass		
			3	23.57	0.58	22.00	<=38.45	Pass		
		6	0	22.61	0.58	21.04	<=38.45	Pass		
		836.5	1	0	23.53	0.58	21.96	<=38.45	Pass	
				2	23.64	0.58	22.07	<=38.45	Pass	
	5			23.58	0.58	22.01	<=38.45	Pass		
	3		0	23.66	0.58	22.09	<=38.45	Pass		
			2	23.70	0.58	22.13	<=38.45	Pass		
			3	23.64	0.58	22.07	<=38.45	Pass		
	6	0	22.64	0.58	21.07	<=38.45	Pass			
	848.3	1	0	23.63	0.58	22.06	<=38.45	Pass		
			2	23.87	0.58	22.30	<=38.45	Pass		
			5	23.30	0.58	21.73	<=38.45	Pass		
		3	0	23.64	0.58	22.07	<=38.45	Pass		
			2	23.64	0.58	22.07	<=38.45	Pass		
			3	23.53	0.58	21.96	<=38.45	Pass		
		6	0	22.82	0.58	21.25	<=38.45	Pass		
		16QAM	824.7	1	0	22.44	0.58	20.87	<=38.45	Pass
					2	22.57	0.58	21.00	<=38.45	Pass
	5				22.51	0.58	20.94	<=38.45	Pass	
3	0			22.53	0.58	20.96	<=38.45	Pass		
	2			22.54	0.58	20.97	<=38.45	Pass		
	3			22.51	0.58	20.94	<=38.45	Pass		
6	0			21.47	0.58	19.90	<=38.45	Pass		
836.5	1			0	22.67	0.58	21.10	<=38.45	Pass	
				2	22.80	0.58	21.23	<=38.45	Pass	
			5	22.68	0.58	21.11	<=38.45	Pass		
	3		0	22.58	0.58	21.01	<=38.45	Pass		
			2	22.63	0.58	21.06	<=38.45	Pass		
			3	22.61	0.58	21.04	<=38.45	Pass		
6	0		21.67	0.58	20.10	<=38.45	Pass			
848.3	1		0	22.54	0.58	20.97	<=38.45	Pass		
			2	22.60	0.58	21.03	<=38.45	Pass		
			5	22.47	0.58	20.90	<=38.45	Pass		
	3		0	22.72	0.58	21.15	<=38.45	Pass		
			2	22.69	0.58	21.12	<=38.45	Pass		
			3	22.63	0.58	21.06	<=38.45	Pass		
	6		0	21.66	0.58	20.09	<=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 / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	825.5	1	0	23.75	0.58	22.18	<=38.45	Pass		
			7	23.89	0.58	22.32	<=38.45	Pass		
			14	23.81	0.58	22.24	<=38.45	Pass		
		8	0	22.70	0.58	21.13	<=38.45	Pass		
			4	22.76	0.58	21.19	<=38.45	Pass		
			7	22.74	0.58	21.17	<=38.45	Pass		
		15	0	22.62	0.58	21.05	<=38.45	Pass		
		836.5	1	0	23.73	0.58	22.16	<=38.45	Pass	
				7	23.90	0.58	22.33	<=38.45	Pass	
	14			23.70	0.58	22.13	<=38.45	Pass		
	8		0	22.75	0.58	21.18	<=38.45	Pass		
			4	22.73	0.58	21.16	<=38.45	Pass		
			7	22.67	0.58	21.10	<=38.45	Pass		
	15		0	22.70	0.58	21.13	<=38.45	Pass		
	847.5		1	0	23.77	0.58	22.20	<=38.45	Pass	
				7	23.90	0.58	22.33	<=38.45	Pass	
		14		23.42	0.58	21.85	<=38.45	Pass		
		8	0	22.83	0.58	21.26	<=38.45	Pass		
			4	22.86	0.58	21.29	<=38.45	Pass		
			7	22.79	0.58	21.22	<=38.45	Pass		
		15	0	22.79	0.58	21.22	<=38.45	Pass		
		16QAM	825.5	1	0	22.63	0.58	21.06	<=38.45	Pass
					7	22.78	0.58	21.21	<=38.45	Pass
	14				22.64	0.58	21.07	<=38.45	Pass	
8	0			21.69	0.58	20.12	<=38.45	Pass		
	4			21.73	0.58	20.16	<=38.45	Pass		
	7			21.71	0.58	20.14	<=38.45	Pass		
15	0			21.64	0.58	20.07	<=38.45	Pass		
836.5	1			0	22.85	0.58	21.28	<=38.45	Pass	
				7	23.00	0.58	21.43	<=38.45	Pass	
			14	22.84	0.58	21.27	<=38.45	Pass		
	8		0	21.74	0.58	20.17	<=38.45	Pass		
			4	21.73	0.58	20.16	<=38.45	Pass		
			7	21.66	0.58	20.09	<=38.45	Pass		
	15		0	21.68	0.58	20.11	<=38.45	Pass		
	847.5		1	0	23.25	0.58	21.68	<=38.45	Pass	
				7	23.28	0.58	21.71	<=38.45	Pass	
14				22.99	0.58	21.42	<=38.45	Pass		
8			0	21.98	0.58	20.41	<=38.45	Pass		
			4	22.01	0.58	20.44	<=38.45	Pass		
			7	21.90	0.58	20.33	<=38.45	Pass		
15			0	21.83	0.58	20.26	<=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 / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	826.5	1	0	23.50	0.58	21.93	<=38.45	Pass		
			13	23.67	0.58	22.10	<=38.45	Pass		
			24	23.55	0.58	21.98	<=38.45	Pass		
		12	0	22.49	0.58	20.92	<=38.45	Pass		
			6	22.59	0.58	21.02	<=38.45	Pass		
			13	22.59	0.58	21.02	<=38.45	Pass		
		25	0	22.53	0.58	20.96	<=38.45	Pass		
		836.5	1	0	23.56	0.58	21.99	<=38.45	Pass	
				13	23.69	0.58	22.12	<=38.45	Pass	
	24			23.54	0.58	21.97	<=38.45	Pass		
	12		0	22.68	0.58	21.11	<=38.45	Pass		
			6	22.64	0.58	21.07	<=38.45	Pass		
			13	22.43	0.58	20.86	<=38.45	Pass		
	25		0	22.57	0.58	21.00	<=38.45	Pass		
	846.5		1	0	23.60	0.58	22.03	<=38.45	Pass	
				13	23.71	0.58	22.14	<=38.45	Pass	
		24		23.50	0.58	21.93	<=38.45	Pass		
		12	0	22.58	0.58	21.01	<=38.45	Pass		
			6	22.71	0.58	21.14	<=38.45	Pass		
			13	22.40	0.58	20.83	<=38.45	Pass		
		25	0	22.46	0.58	20.89	<=38.45	Pass		
		16QAM	826.5	1	0	22.48	0.58	20.91	<=38.45	Pass
					13	22.63	0.58	21.06	<=38.45	Pass
	24				22.54	0.58	20.97	<=38.45	Pass	
12	0			21.42	0.58	19.85	<=38.45	Pass		
	6			21.52	0.58	19.95	<=38.45	Pass		
	13			21.56	0.58	19.99	<=38.45	Pass		
25	0			21.54	0.58	19.97	<=38.45	Pass		
836.5	1			0	22.78	0.58	21.21	<=38.45	Pass	
				13	22.83	0.58	21.26	<=38.45	Pass	
			24	22.67	0.58	21.10	<=38.45	Pass		
	12		0	21.74	0.58	20.17	<=38.45	Pass		
			6	21.67	0.58	20.10	<=38.45	Pass		
			13	21.48	0.58	19.91	<=38.45	Pass		
	25		0	21.59	0.58	20.02	<=38.45	Pass		
	846.5		1	0	22.34	0.58	20.77	<=38.45	Pass	
				13	22.52	0.58	20.95	<=38.45	Pass	
24				22.35	0.58	20.78	<=38.45	Pass		
12			0	21.53	0.58	19.96	<=38.45	Pass		
			6	21.68	0.58	20.11	<=38.45	Pass		
			13	21.33	0.58	19.76	<=38.45	Pass		
25			0	21.53	0.58	19.96	<=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 / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	829	1	0	23.61	0.58	22.04	<=38.45	Pass		
			25	23.85	0.58	22.28	<=38.45	Pass		
			49	23.62	0.58	22.05	<=38.45	Pass		
		25	0	22.48	0.58	20.91	<=38.45	Pass		
			13	22.62	0.58	21.05	<=38.45	Pass		
			25	22.68	0.58	21.11	<=38.45	Pass		
		50	0	22.60	0.58	21.03	<=38.45	Pass		
		836.5	1	0	23.56	0.58	21.99	<=38.45	Pass	
				25	23.84	0.58	22.27	<=38.45	Pass	
	49			23.74	0.58	22.17	<=38.45	Pass		
	25		0	22.78	0.58	21.21	<=38.45	Pass		
			13	22.70	0.58	21.13	<=38.45	Pass		
			25	22.49	0.58	20.92	<=38.45	Pass		
	50		0	22.67	0.58	21.10	<=38.45	Pass		
	844		1	0	23.67	0.58	22.10	<=38.45	Pass	
				25	23.98	0.58	22.41	<=38.45	Pass	
		49		23.75	0.58	22.18	<=38.45	Pass		
		25	0	22.52	0.58	20.95	<=38.45	Pass		
			13	22.68	0.58	21.11	<=38.45	Pass		
			25	22.46	0.58	20.89	<=38.45	Pass		
		50	0	22.49	0.58	20.92	<=38.45	Pass		
		16QAM	829	1	0	22.46	0.58	20.89	<=38.45	Pass
					25	22.72	0.58	21.15	<=38.45	Pass
	49				22.59	0.58	21.02	<=38.45	Pass	
25	0			21.54	0.58	19.97	<=38.45	Pass		
	13			21.68	0.58	20.11	<=38.45	Pass		
	25			21.76	0.58	20.19	<=38.45	Pass		
50	0			21.57	0.58	20.00	<=38.45	Pass		
836.5	1			0	22.73	0.58	21.16	<=38.45	Pass	
				25	22.93	0.58	21.36	<=38.45	Pass	
			49	22.66	0.58	21.09	<=38.45	Pass		
	25		0	21.83	0.58	20.26	<=38.45	Pass		
			13	21.71	0.58	20.14	<=38.45	Pass		
			25	21.48	0.58	19.91	<=38.45	Pass		
	50		0	21.67	0.58	20.10	<=38.45	Pass		
	844		1	0	22.87	0.58	21.30	<=38.45	Pass	
				25	23.11	0.58	21.54	<=38.45	Pass	
49				22.97	0.58	21.40	<=38.45	Pass		
25			0	21.46	0.58	19.89	<=38.45	Pass		
			13	21.65	0.58	20.08	<=38.45	Pass		
			25	21.52	0.58	19.95	<=38.45	Pass		
50			0	21.47	0.58	19.90	<=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	-11.601	-0.0141	-2.5 to 2.5	Pass			
					3.85	-11.501	-0.0139	-2.5 to 2.5	Pass			
					4.43	-3.376	-0.0041	-2.5 to 2.5	Pass			
				-30	3.85	0.200	0.0002	-2.5 to 2.5	Pass			
				-20	3.85	-3.448	-0.0042	-2.5 to 2.5	Pass			
				-10	3.85	-8.969	-0.0109	-2.5 to 2.5	Pass			
				0	3.85	-7.868	-0.0095	-2.5 to 2.5	Pass			
				10	3.85	-10.400	-0.0126	-2.5 to 2.5	Pass			
				30	3.85	-1.702	-0.0021	-2.5 to 2.5	Pass			
				40	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass			
				50	3.85	-1.287	-0.0016	-2.5 to 2.5	Pass			
				836.5	6	0	20	3.27	-1.860	-0.0022	-2.5 to 2.5	Pass
								3.85	-6.437	-0.0077	-2.5 to 2.5	Pass
								4.43	-2.847	-0.0034	-2.5 to 2.5	Pass
							-30	3.85	-2.418	-0.0029	-2.5 to 2.5	Pass
	-20	3.85	-6.294				-0.0075	-2.5 to 2.5	Pass			
	-10	3.85	-4.091				-0.0049	-2.5 to 2.5	Pass			
	0	3.85	-6.237				-0.0075	-2.5 to 2.5	Pass			
	10	3.85	-6.537				-0.0078	-2.5 to 2.5	Pass			
	30	3.85	-2.947				-0.0035	-2.5 to 2.5	Pass			
	40	3.85	-5.293				-0.0063	-2.5 to 2.5	Pass			
	50	3.85	-3.419				-0.0041	-2.5 to 2.5	Pass			
	848.3	6	0				20	3.27	-8.540	-0.0101	-2.5 to 2.5	Pass
								3.85	-5.836	-0.0069	-2.5 to 2.5	Pass
								4.43	-17.610	-0.0208	-2.5 to 2.5	Pass
							-30	3.85	-5.250	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-13.032	-0.0154	-2.5 to 2.5	Pass			
				-10	3.85	-5.393	-0.0064	-2.5 to 2.5	Pass			
				0	3.85	-10.858	-0.0128	-2.5 to 2.5	Pass			
				10	3.85	-7.496	-0.0088	-2.5 to 2.5	Pass			
30				3.85	-2.947	-0.0035	-2.5 to 2.5	Pass				
40				3.85	-8.798	-0.0104	-2.5 to 2.5	Pass				
50				3.85	-0.815	-0.0010	-2.5 to 2.5	Pass				
16QAM				824.7	6	0	20	3.27	-9.341	-0.0113	-2.5 to 2.5	Pass
								3.85	-11.544	-0.0140	-2.5 to 2.5	Pass
								4.43	-1.845	-0.0022	-2.5 to 2.5	Pass
							-30	3.85	-3.862	-0.0047	-2.5 to 2.5	Pass
	-20	3.85	-6.623				-0.0080	-2.5 to 2.5	Pass			
	-10	3.85	-3.562				-0.0043	-2.5 to 2.5	Pass			
	0	3.85	-7.410				-0.0090	-2.5 to 2.5	Pass			
	10	3.85	-6.995				-0.0085	-2.5 to 2.5	Pass			
	30	3.85	-3.033				-0.0037	-2.5 to 2.5	Pass			
	40	3.85	-5.064				-0.0061	-2.5 to 2.5	Pass			
	50	3.85	-7.467				-0.0091	-2.5 to 2.5	Pass			

	836.5	6	0	20	3.27	-6.752	-0.0081	-2.5 to 2.5	Pass
					3.85	-0.014	0.0000	-2.5 to 2.5	Pass
					4.43	-7.939	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-5.579	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-6.051	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-10.872	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-10.200	-0.0122	-2.5 to 2.5	Pass
				10	3.85	-5.951	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-10.514	-0.0126	-2.5 to 2.5	Pass
	40	3.85	-7.896	-0.0094	-2.5 to 2.5	Pass			
	50	3.85	-5.379	-0.0064	-2.5 to 2.5	Pass			
	848.3	6	0	20	3.27	-9.642	-0.0114	-2.5 to 2.5	Pass
					3.85	-9.642	-0.0114	-2.5 to 2.5	Pass
					4.43	-5.908	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-8.683	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-6.094	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-10.414	-0.0123	-2.5 to 2.5	Pass
				0	3.85	-6.008	-0.0071	-2.5 to 2.5	Pass
10				3.85	-8.011	-0.0094	-2.5 to 2.5	Pass	
30				3.85	-13.833	-0.0163	-2.5 to 2.5	Pass	
40	3.85	-4.492	-0.0053	-2.5 to 2.5	Pass				
50	3.85	-3.691	-0.0044	-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	-4.592	-0.0056	-2.5 to 2.5	Pass
					3.85	-8.898	-0.0108	-2.5 to 2.5	Pass
					4.43	-10.171	-0.0123	-2.5 to 2.5	Pass
				-30	3.85	-4.764	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-9.556	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	-5.751	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-2.460	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-6.237	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-2.117	-0.0026	-2.5 to 2.5	Pass
	40	3.85	-10.386	-0.0126	-2.5 to 2.5	Pass			
	50	3.85	-3.448	-0.0042	-2.5 to 2.5	Pass			
	836.5	15	0	20	3.27	-7.696	-0.0092	-2.5 to 2.5	Pass
					3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
					4.43	-2.761	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-9.856	-0.0118	-2.5 to 2.5	Pass
				-20	3.85	-4.520	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-12.417	-0.0148	-2.5 to 2.5	Pass
				0	3.85	-2.604	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-7.281	-0.0087	-2.5 to 2.5	Pass
				30	3.85	-15.507	-0.0185	-2.5 to 2.5	Pass
	40	3.85	-4.177	-0.0050	-2.5 to 2.5	Pass			
	50	3.85	-3.390	-0.0041	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-7.539	-0.0089	-2.5 to 2.5	Pass

					3.85	-5.064	-0.0060	-2.5 to 2.5	Pass	
					4.43	-3.891	-0.0046	-2.5 to 2.5	Pass	
					-30	3.85	-1.044	-0.0012	-2.5 to 2.5	Pass
					-20	3.85	-1.144	-0.0013	-2.5 to 2.5	Pass
					-10	3.85	2.217	0.0026	-2.5 to 2.5	Pass
					0	3.85	-6.509	-0.0077	-2.5 to 2.5	Pass
					10	3.85	-4.764	-0.0056	-2.5 to 2.5	Pass
					30	3.85	-6.595	-0.0078	-2.5 to 2.5	Pass
					40	3.85	-10.672	-0.0126	-2.5 to 2.5	Pass
					50	3.85	-5.636	-0.0067	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-8.397	-0.0102	-2.5 to 2.5	Pass	
					3.85	-8.740	-0.0106	-2.5 to 2.5	Pass	
					4.43	-4.807	-0.0058	-2.5 to 2.5	Pass	
				-30	3.85	-2.289	-0.0028	-2.5 to 2.5	Pass	
				-20	3.85	-4.492	-0.0054	-2.5 to 2.5	Pass	
				-10	3.85	-2.589	-0.0031	-2.5 to 2.5	Pass	
				0	3.85	-5.236	-0.0063	-2.5 to 2.5	Pass	
				10	3.85	-7.796	-0.0094	-2.5 to 2.5	Pass	
				30	3.85	-3.734	-0.0045	-2.5 to 2.5	Pass	
				40	3.85	-5.465	-0.0066	-2.5 to 2.5	Pass	
				50	3.85	-3.505	-0.0042	-2.5 to 2.5	Pass	
				836.5	15	0	20	3.27	-11.430	-0.0137
	3.85	-6.509	-0.0078					-2.5 to 2.5	Pass	
	4.43	-3.834	-0.0046					-2.5 to 2.5	Pass	
	-30	3.85	-6.108				-0.0073	-2.5 to 2.5	Pass	
	-20	3.85	-8.655				-0.0103	-2.5 to 2.5	Pass	
	-10	3.85	-9.756				-0.0117	-2.5 to 2.5	Pass	
	0	3.85	-11.187				-0.0134	-2.5 to 2.5	Pass	
	10	3.85	-5.364				-0.0064	-2.5 to 2.5	Pass	
	30	3.85	-6.237				-0.0075	-2.5 to 2.5	Pass	
	40	3.85	-12.517				-0.0150	-2.5 to 2.5	Pass	
	50	3.85	-8.655				-0.0103	-2.5 to 2.5	Pass	
	847.5	15	0				20	3.27	-5.822	-0.0069
				3.85	-3.519	-0.0042		-2.5 to 2.5	Pass	
4.43				-4.592	-0.0054	-2.5 to 2.5		Pass		
-30				3.85	-5.021	-0.0059	-2.5 to 2.5	Pass		
-20				3.85	-2.890	-0.0034	-2.5 to 2.5	Pass		
-10				3.85	-5.236	-0.0062	-2.5 to 2.5	Pass		
0				3.85	-5.293	-0.0062	-2.5 to 2.5	Pass		
10				3.85	-5.307	-0.0063	-2.5 to 2.5	Pass		
30				3.85	-4.964	-0.0059	-2.5 to 2.5	Pass		
40				3.85	-5.193	-0.0061	-2.5 to 2.5	Pass		
50				3.85	2.604	0.0031	-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	-11.444	-0.0138	-2.5 to 2.5	Pass
						3.85	-12.188	-0.0147	-2.5 to 2.5	Pass



					4.43	-8.397	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-7.911	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-11.601	-0.0140	-2.5 to 2.5	Pass
				0	3.85	-10.371	-0.0125	-2.5 to 2.5	Pass
				10	3.85	-7.997	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-7.796	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-4.492	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-3.405	-0.0041	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-5.236	-0.0063	-2.5 to 2.5	Pass
					3.85	0.443	0.0005	-2.5 to 2.5	Pass
					4.43	-6.609	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-4.163	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-6.380	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-2.189	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-2.146	-0.0026	-2.5 to 2.5	Pass
				10	3.85	2.503	0.0030	-2.5 to 2.5	Pass
				30	3.85	-8.941	-0.0107	-2.5 to 2.5	Pass
	40	3.85	-4.320	-0.0052	-2.5 to 2.5	Pass			
	50	3.85	-4.277	-0.0051	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.27	-2.704	-0.0032	-2.5 to 2.5	Pass
					3.85	-12.016	-0.0142	-2.5 to 2.5	Pass
					4.43	-5.436	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-8.883	-0.0105	-2.5 to 2.5	Pass
				-20	3.85	-4.406	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-8.054	-0.0095	-2.5 to 2.5	Pass
				0	3.85	-13.232	-0.0156	-2.5 to 2.5	Pass
				10	3.85	-7.067	-0.0083	-2.5 to 2.5	Pass
				30	3.85	-10.958	-0.0129	-2.5 to 2.5	Pass
	40	3.85	-8.726	-0.0103	-2.5 to 2.5	Pass			
50	3.85	-4.835	-0.0057	-2.5 to 2.5	Pass				
16QAM	826.5	25	0	20	3.27	-3.204	-0.0039	-2.5 to 2.5	Pass
					3.85	-11.072	-0.0134	-2.5 to 2.5	Pass
					4.43	-8.383	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-3.676	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-11.373	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-9.828	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-7.768	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-5.293	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-7.668	-0.0093	-2.5 to 2.5	Pass
	40	3.85	-8.054	-0.0097	-2.5 to 2.5	Pass			
	50	3.85	-6.723	-0.0081	-2.5 to 2.5	Pass			
	836.5	25	0	20	3.27	-3.963	-0.0047	-2.5 to 2.5	Pass
					3.85	-9.756	-0.0117	-2.5 to 2.5	Pass
					4.43	-1.602	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-6.509	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	0.329	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-10.042	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-12.918	-0.0154	-2.5 to 2.5	Pass
				10	3.85	-9.813	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-3.948	-0.0047	-2.5 to 2.5	Pass
	40	3.85	-4.921	-0.0059	-2.5 to 2.5	Pass			
	50	3.85	-4.764	-0.0057	-2.5 to 2.5	Pass			
	846.5	25	0	20	3.27	-8.111	-0.0096	-2.5 to 2.5	Pass
					3.85	-0.815	-0.0010	-2.5 to 2.5	Pass



					4.43	-6.280	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-6.480	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-4.764	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-9.184	-0.0108	-2.5 to 2.5	Pass
				0	3.85	-9.398	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-12.589	-0.0149	-2.5 to 2.5	Pass
				30	3.85	-9.956	-0.0118	-2.5 to 2.5	Pass
				40	3.85	-4.678	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-1.602	-0.0019	-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	-4.878	-0.0059	-2.5 to 2.5	Pass				
					3.85	-10.386	-0.0125	-2.5 to 2.5	Pass				
					4.43	-7.224	-0.0087	-2.5 to 2.5	Pass				
								-30	3.85	-6.452	-0.0078	-2.5 to 2.5	Pass
								-20	3.85	-6.466	-0.0078	-2.5 to 2.5	Pass
								-10	3.85	-7.267	-0.0088	-2.5 to 2.5	Pass
								0	3.85	-7.396	-0.0089	-2.5 to 2.5	Pass
								10	3.85	-4.606	-0.0056	-2.5 to 2.5	Pass
								30	3.85	-11.187	-0.0135	-2.5 to 2.5	Pass
					40	3.85	-7.839	-0.0095	-2.5 to 2.5	Pass			
					50	3.85	-7.396	-0.0089	-2.5 to 2.5	Pass			
		836.5	50	0	20	3.27	-5.264	-0.0063	-2.5 to 2.5	Pass			
	3.85					-7.997	-0.0096	-2.5 to 2.5	Pass				
	4.43					-2.947	-0.0035	-2.5 to 2.5	Pass				
								-30	3.85	-7.267	-0.0087	-2.5 to 2.5	Pass
								-20	3.85	-6.366	-0.0076	-2.5 to 2.5	Pass
								-10	3.85	-6.080	-0.0073	-2.5 to 2.5	Pass
								0	3.85	-5.679	-0.0068	-2.5 to 2.5	Pass
								10	3.85	-5.794	-0.0069	-2.5 to 2.5	Pass
								30	3.85	-5.693	-0.0068	-2.5 to 2.5	Pass
					40	3.85	-7.668	-0.0092	-2.5 to 2.5	Pass			
					50	3.85	-6.609	-0.0079	-2.5 to 2.5	Pass			
		844	50	0	20	3.27	-3.963	-0.0047	-2.5 to 2.5	Pass			
	3.85					-5.908	-0.0070	-2.5 to 2.5	Pass				
	4.43					-5.751	-0.0068	-2.5 to 2.5	Pass				
								-30	3.85	-5.779	-0.0068	-2.5 to 2.5	Pass
								-20	3.85	-6.108	-0.0072	-2.5 to 2.5	Pass
							-10	3.85	-9.484	-0.0112	-2.5 to 2.5	Pass	
							0	3.85	-5.808	-0.0069	-2.5 to 2.5	Pass	
							10	3.85	-8.383	-0.0099	-2.5 to 2.5	Pass	
							30	3.85	-5.608	-0.0066	-2.5 to 2.5	Pass	
				40	3.85	-8.240	-0.0098	-2.5 to 2.5	Pass				
				50	3.85	-6.723	-0.0080	-2.5 to 2.5	Pass				
16QAM	829	50	0	20	3.27	-7.396	-0.0089	-2.5 to 2.5	Pass				
					3.85	-12.560	-0.0152	-2.5 to 2.5	Pass				
					4.43	-6.123	-0.0074	-2.5 to 2.5	Pass				

	836.5	50	0	-30	3.85	-9.313	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-10.743	-0.0130	-2.5 to 2.5	Pass
				-10	3.85	-7.510	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-8.368	-0.0101	-2.5 to 2.5	Pass
				10	3.85	-9.513	-0.0115	-2.5 to 2.5	Pass
				30	3.85	-8.497	-0.0102	-2.5 to 2.5	Pass
				40	3.85	-6.452	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-9.542	-0.0115	-2.5 to 2.5	Pass
				20	3.27	-11.001	-0.0132	-2.5 to 2.5	Pass
					3.85	-9.055	-0.0108	-2.5 to 2.5	Pass
	4.43	-10.471	-0.0125		-2.5 to 2.5	Pass			
	-30	3.85	-10.114	-0.0121	-2.5 to 2.5	Pass			
	-20	3.85	-10.901	-0.0130	-2.5 to 2.5	Pass			
	-10	3.85	-7.281	-0.0087	-2.5 to 2.5	Pass			
	0	3.85	-9.556	-0.0114	-2.5 to 2.5	Pass			
	10	3.85	-7.539	-0.0090	-2.5 to 2.5	Pass			
	30	3.85	-6.924	-0.0083	-2.5 to 2.5	Pass			
	40	3.85	-6.981	-0.0083	-2.5 to 2.5	Pass			
	50	3.85	-3.033	-0.0036	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	-11.415	-0.0135	-2.5 to 2.5	Pass
					3.85	-8.082	-0.0096	-2.5 to 2.5	Pass
					4.43	-10.986	-0.0130	-2.5 to 2.5	Pass
				-30	3.85	-9.284	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-4.520	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-3.533	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-3.719	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-7.739	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-5.751	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-3.562	-0.0042	-2.5 to 2.5	Pass
	50	3.85	-5.035	-0.0060	-2.5 to 2.5	Pass			

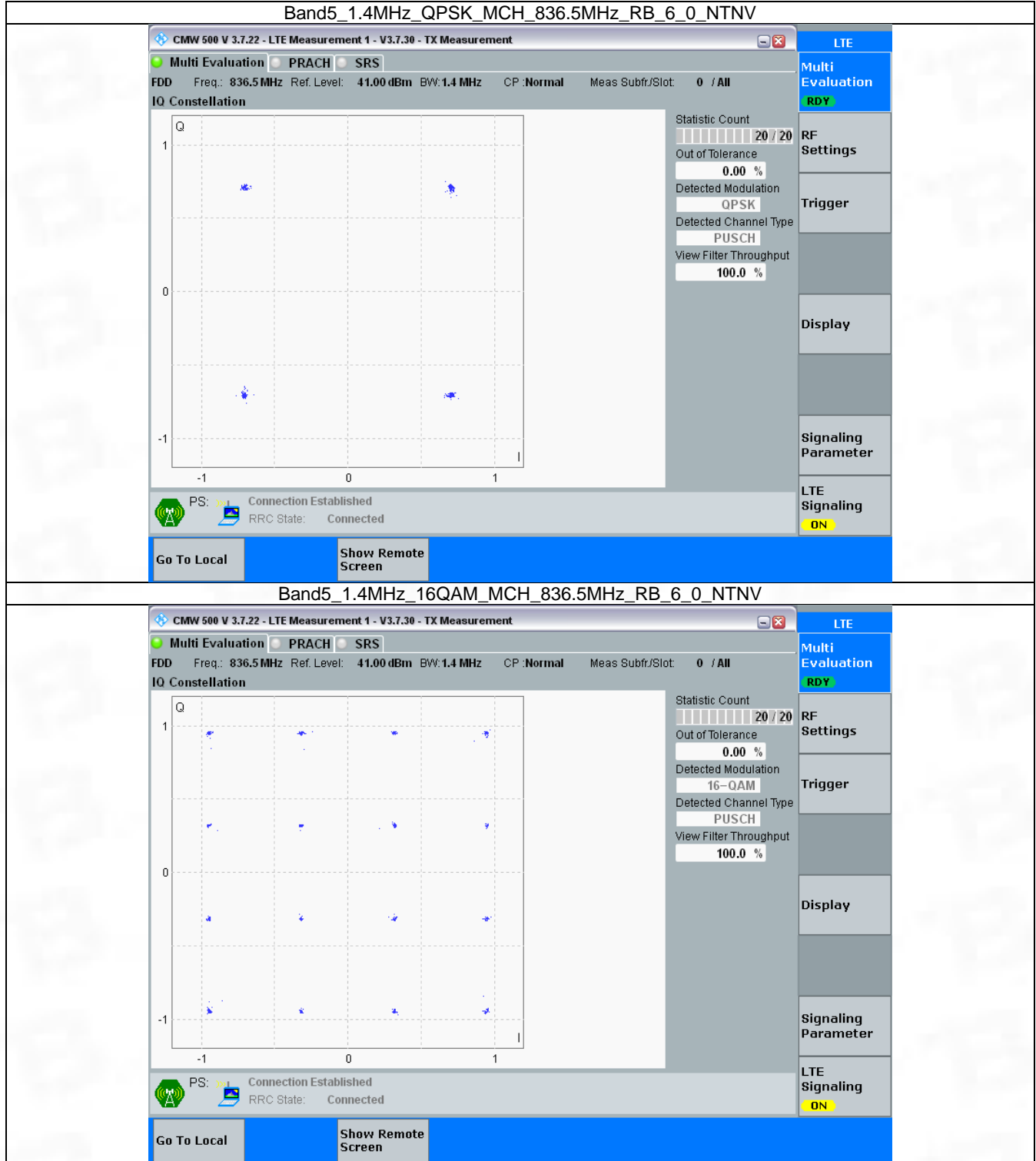
### 3. Modulation Characteristics

#### 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



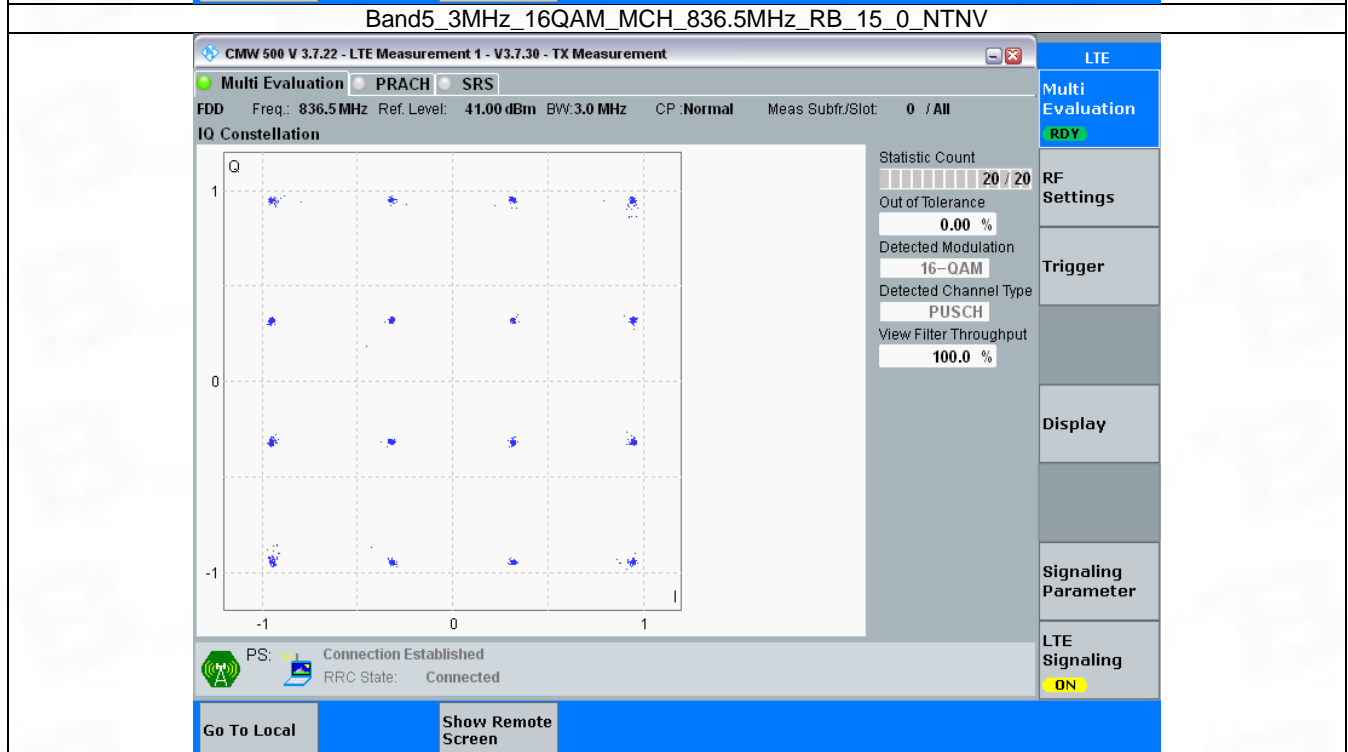
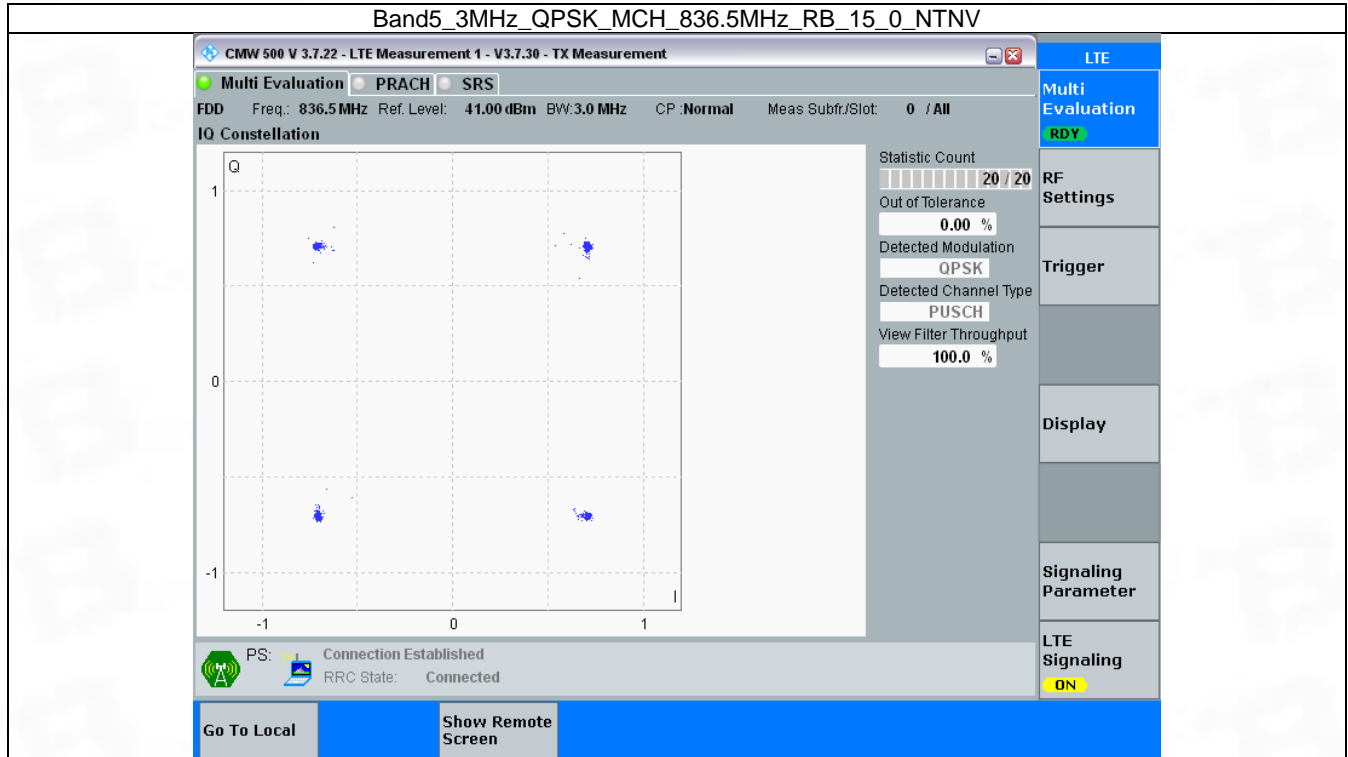


### 3.2 B5\_3MHz

#### 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



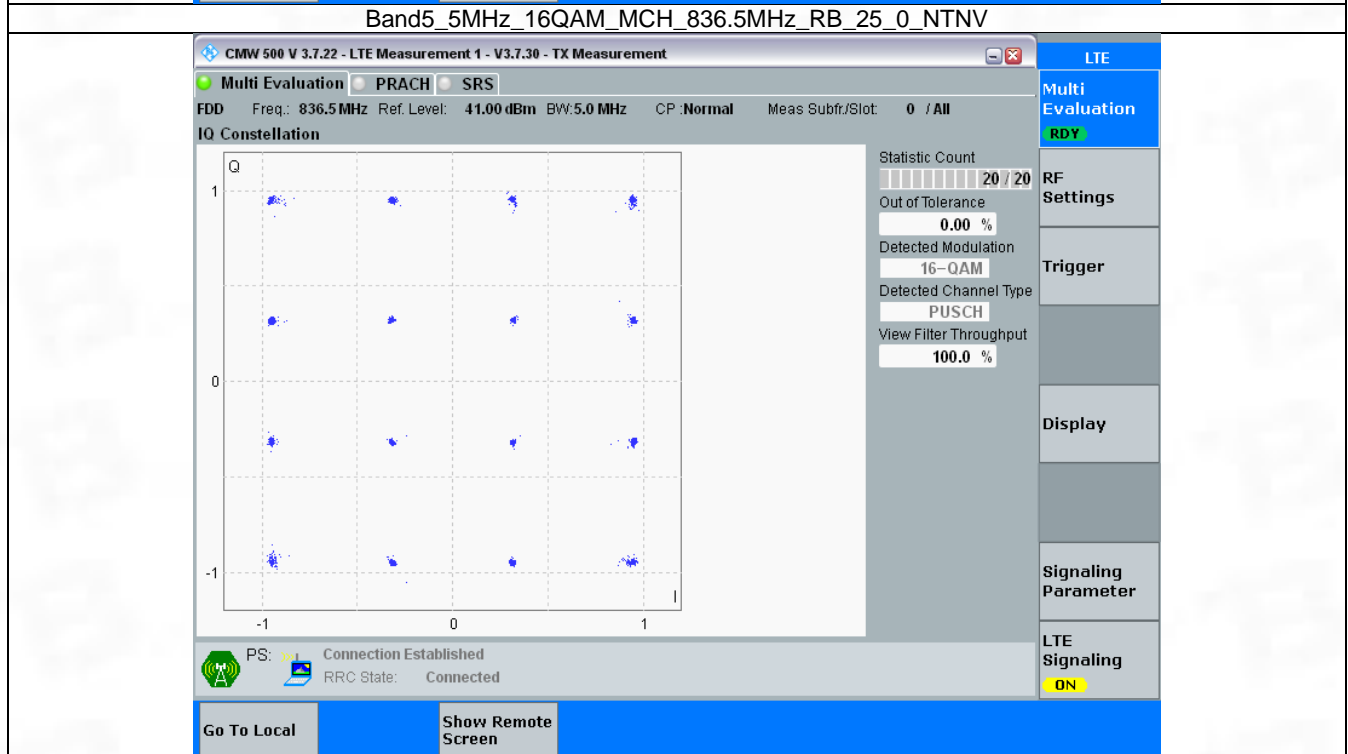
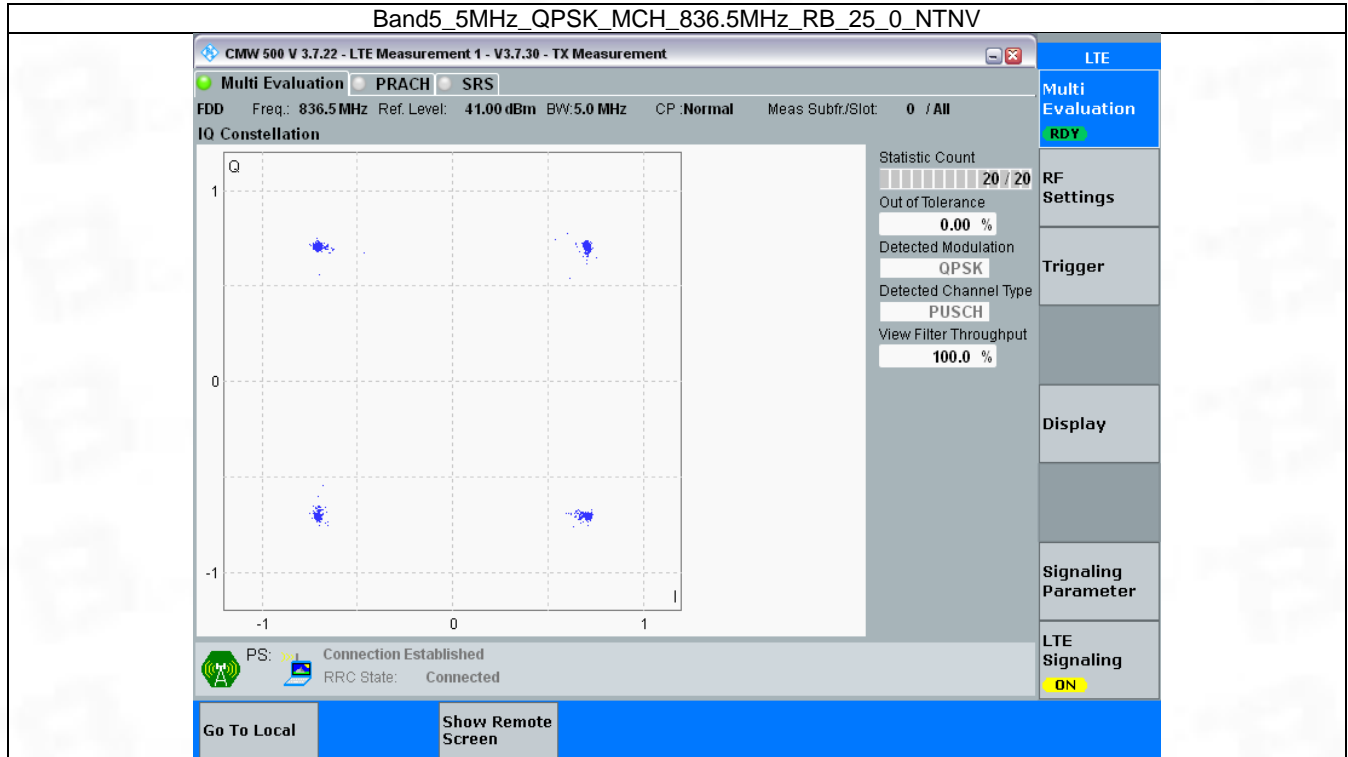


### 3.3 B5\_5MHz

#### 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



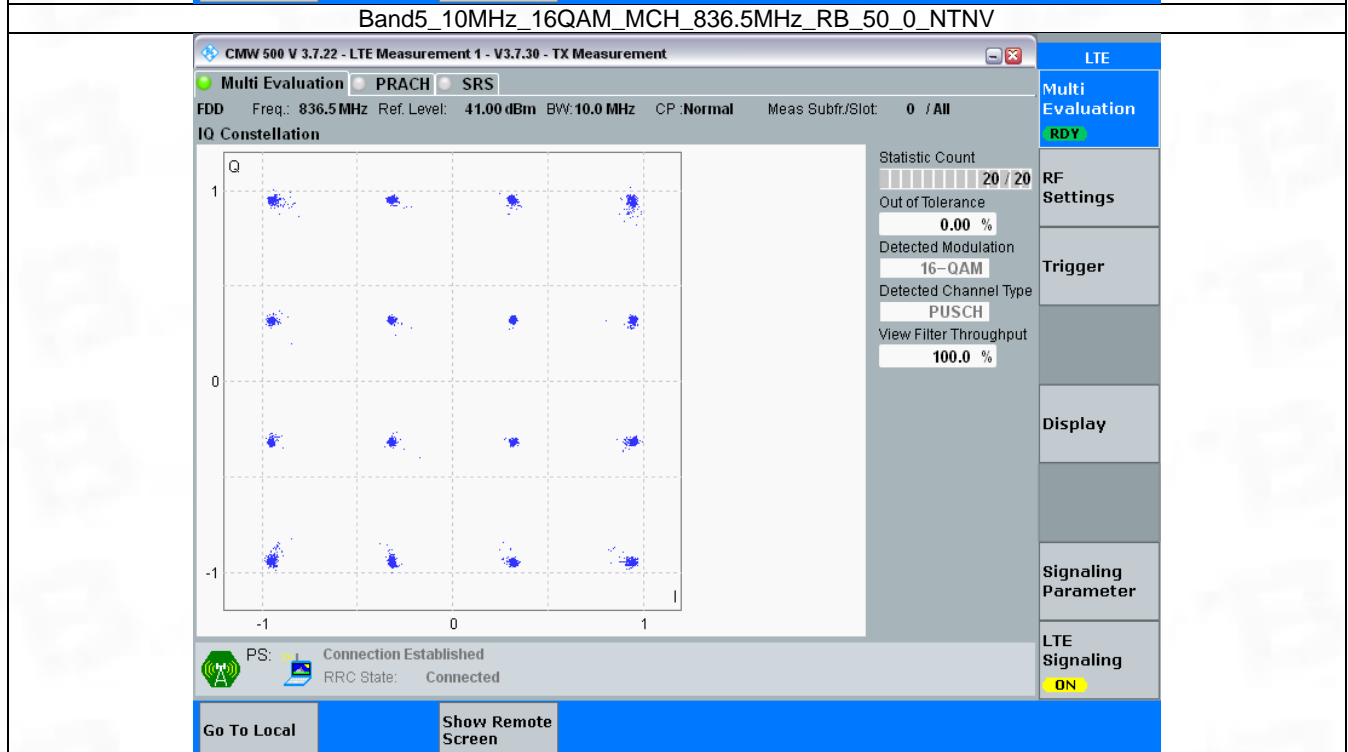
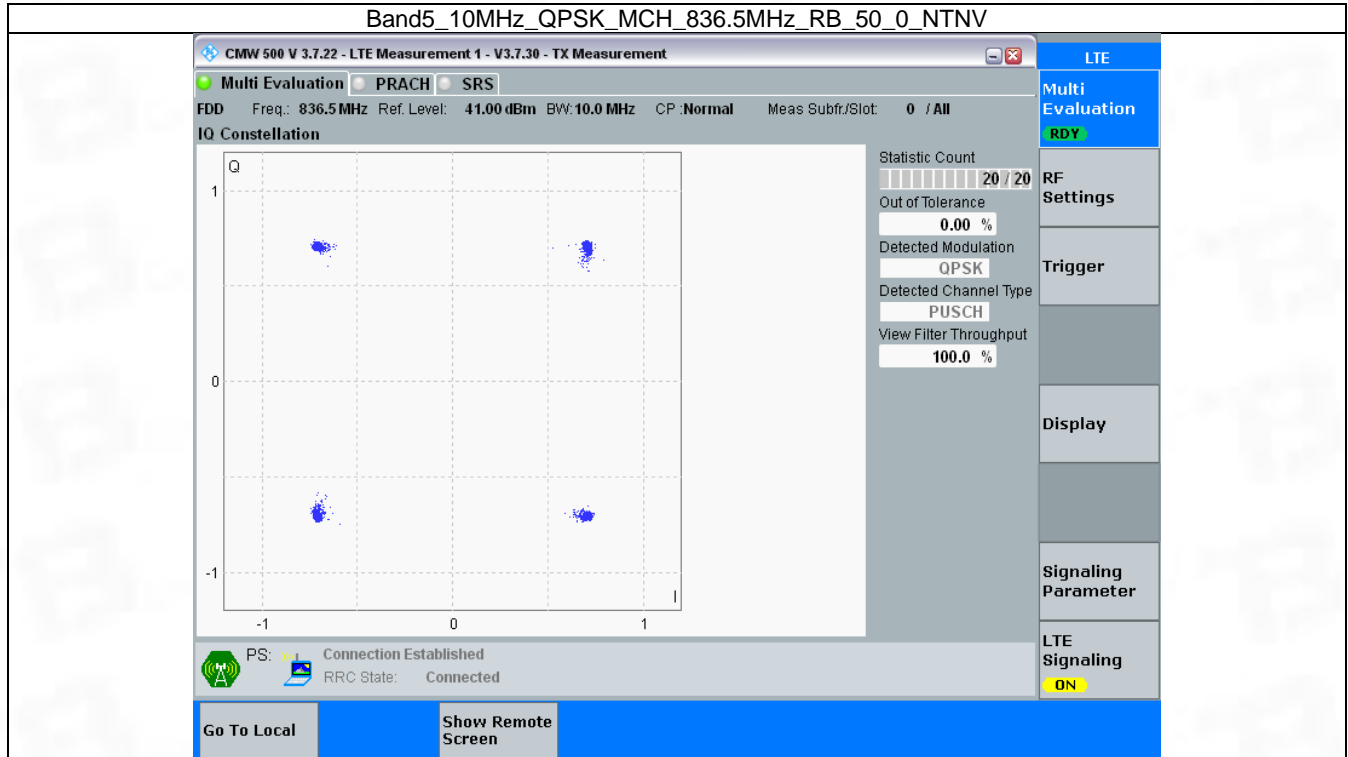


### 3.4 B5\_10MHz

#### 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



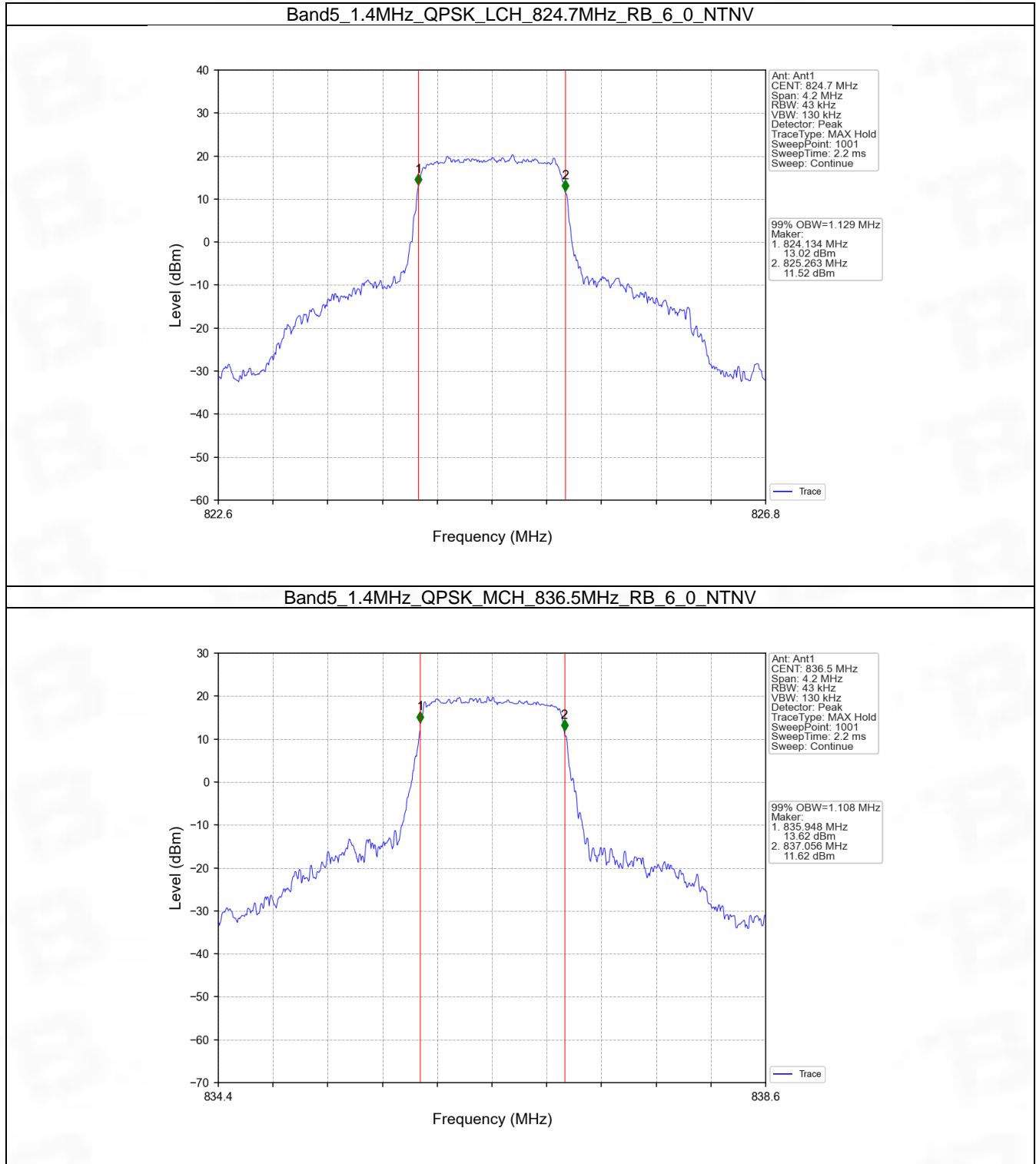
#### 4. 99% & 26dB Bandwidth

##### 4.1 Band5\_OBW

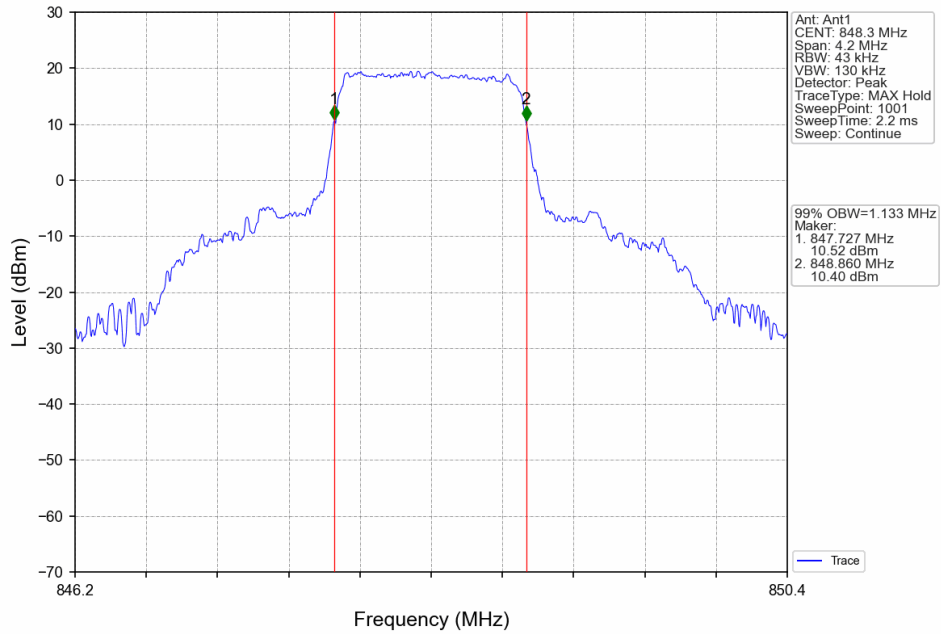
##### 4.1.1 Test Result

Band: 5 / NTNv						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.129	Pass
		836.5	6	0	1.108	Pass
		848.3	6	0	1.133	Pass
	16QAM	824.7	6	0	1.117	Pass
		836.5	6	0	1.109	Pass
		848.3	6	0	1.118	Pass
3	QPSK	825.5	15	0	2.745	Pass
		836.5	15	0	2.734	Pass
		847.5	15	0	2.723	Pass
	16QAM	825.5	15	0	2.730	Pass
		836.5	15	0	2.724	Pass
		847.5	15	0	2.728	Pass
5	QPSK	826.5	25	0	4.557	Pass
		836.5	25	0	4.540	Pass
		846.5	25	0	4.529	Pass
	16QAM	826.5	25	0	4.554	Pass
		836.5	25	0	4.547	Pass
		846.5	25	0	4.510	Pass
10	QPSK	829	50	0	9.080	Pass
		836.5	50	0	9.047	Pass
		844	50	0	9.068	Pass
	16QAM	829	50	0	9.054	Pass
		836.5	50	0	9.045	Pass
		844	50	0	9.065	Pass

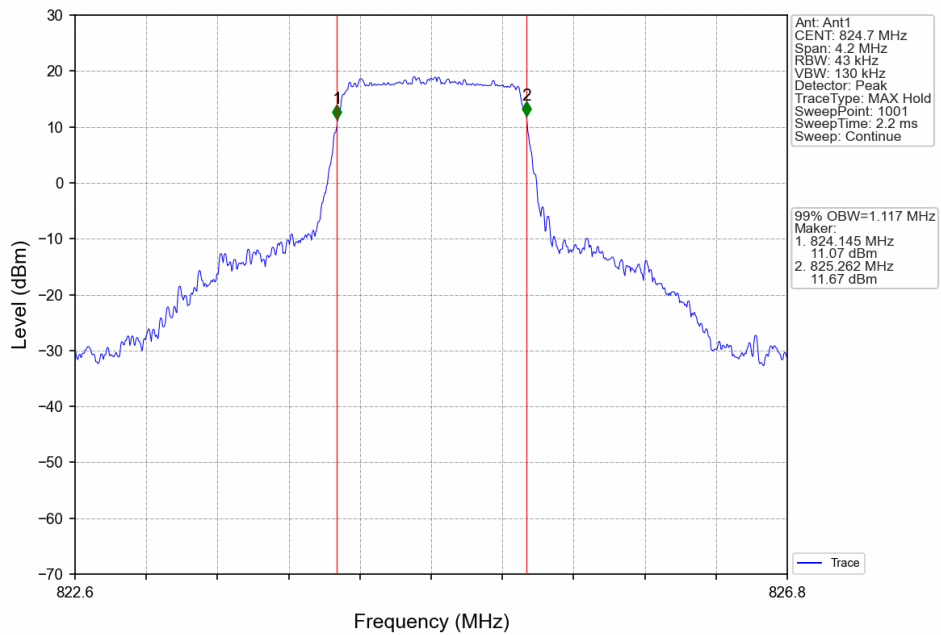
### 4.1.2 Test Graph

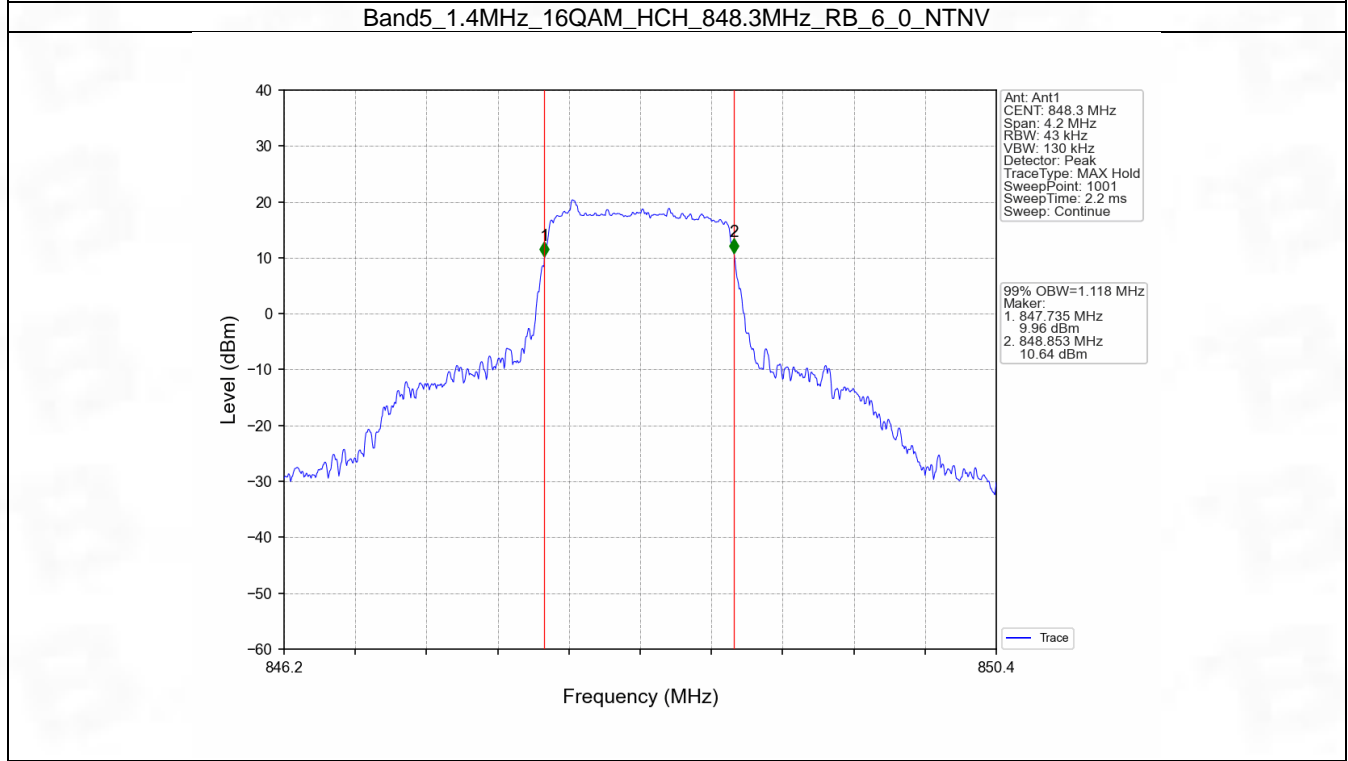
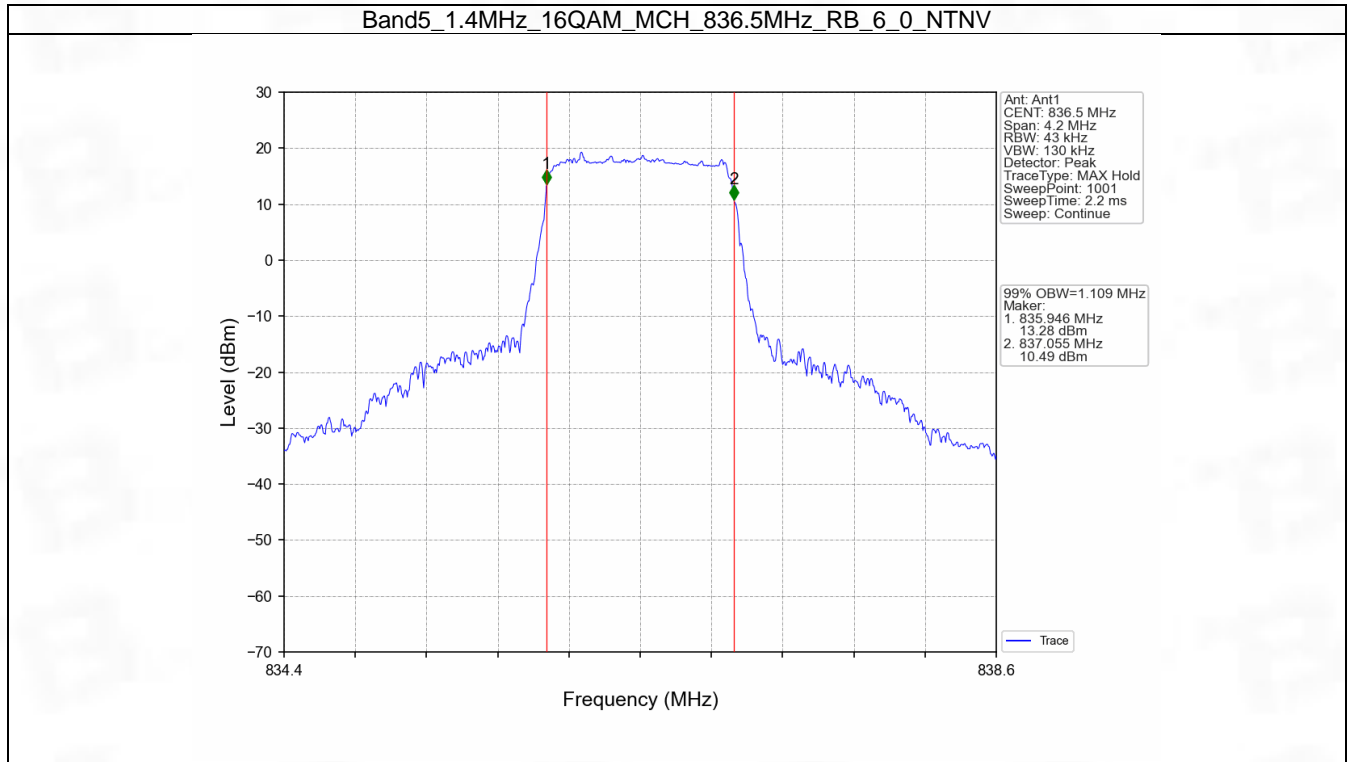


Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV

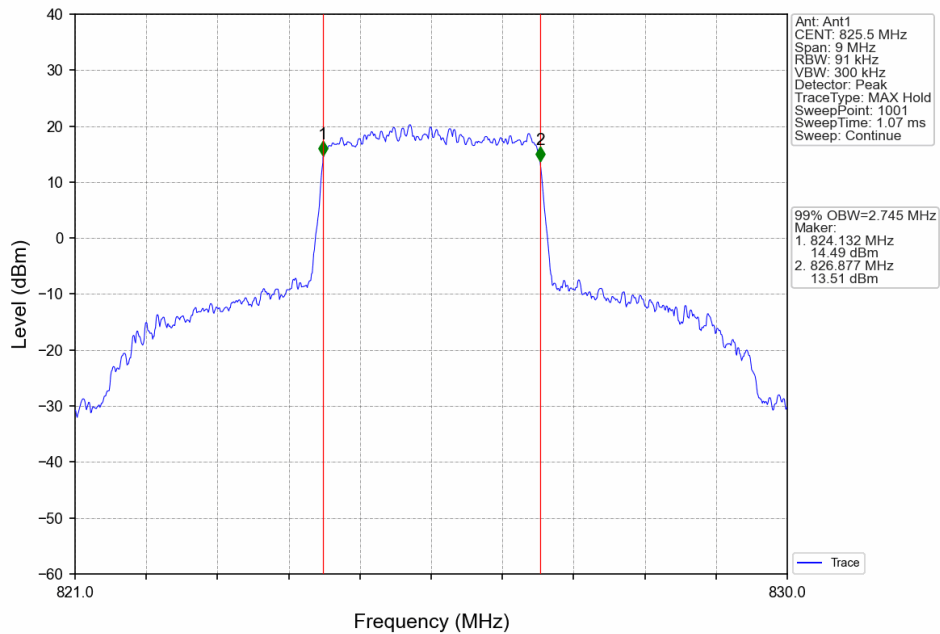


Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV

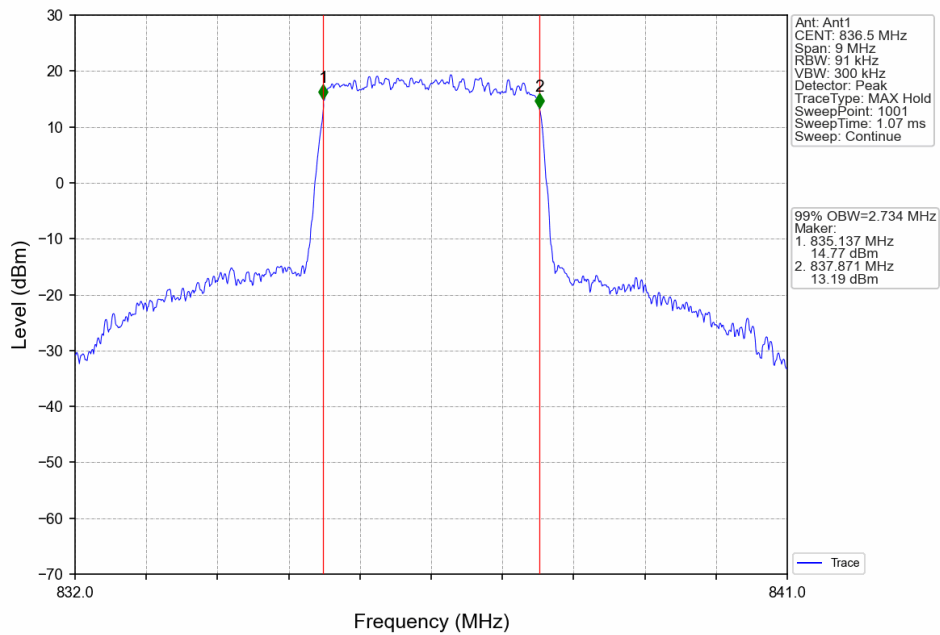




Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV

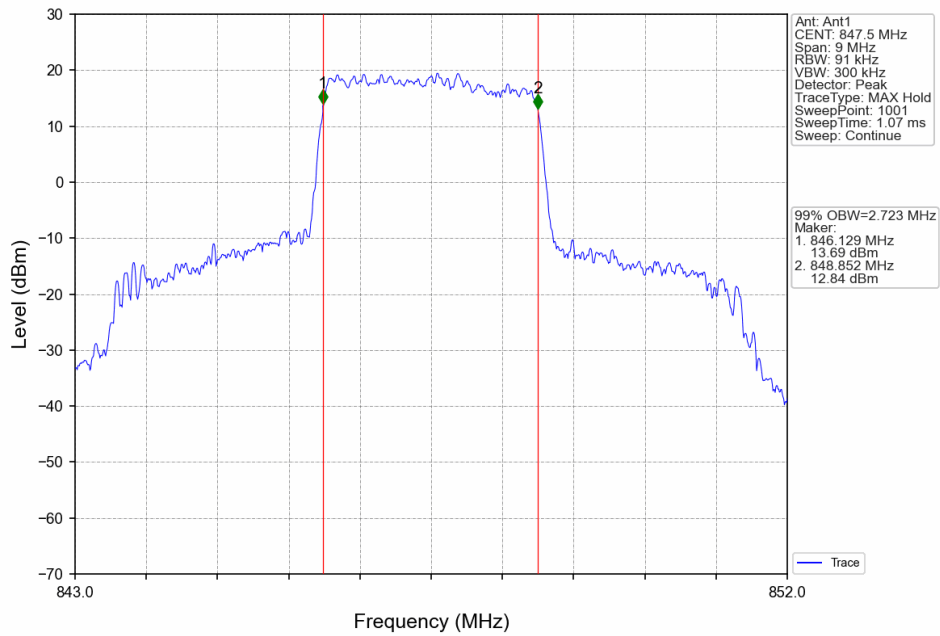


Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV

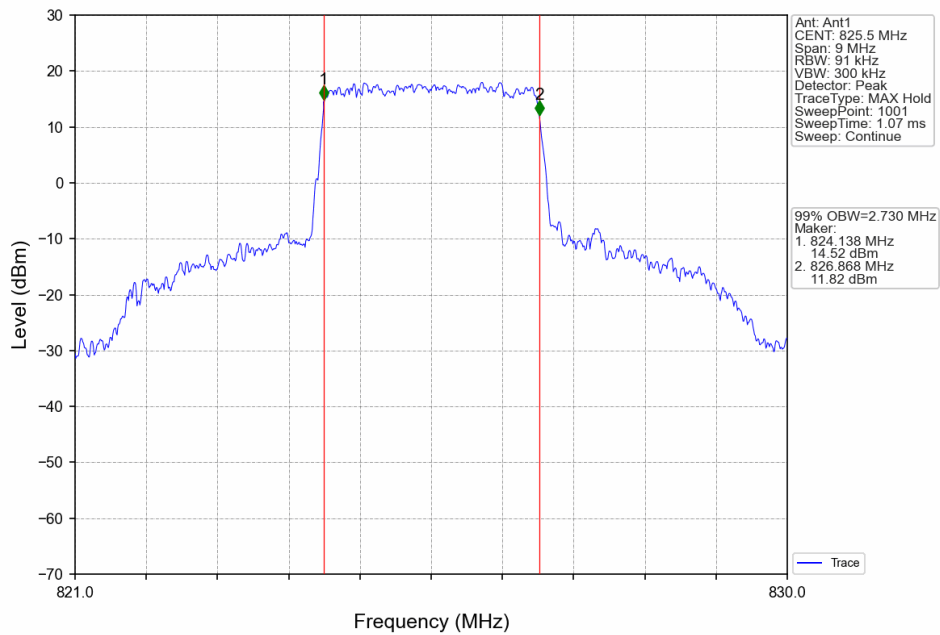


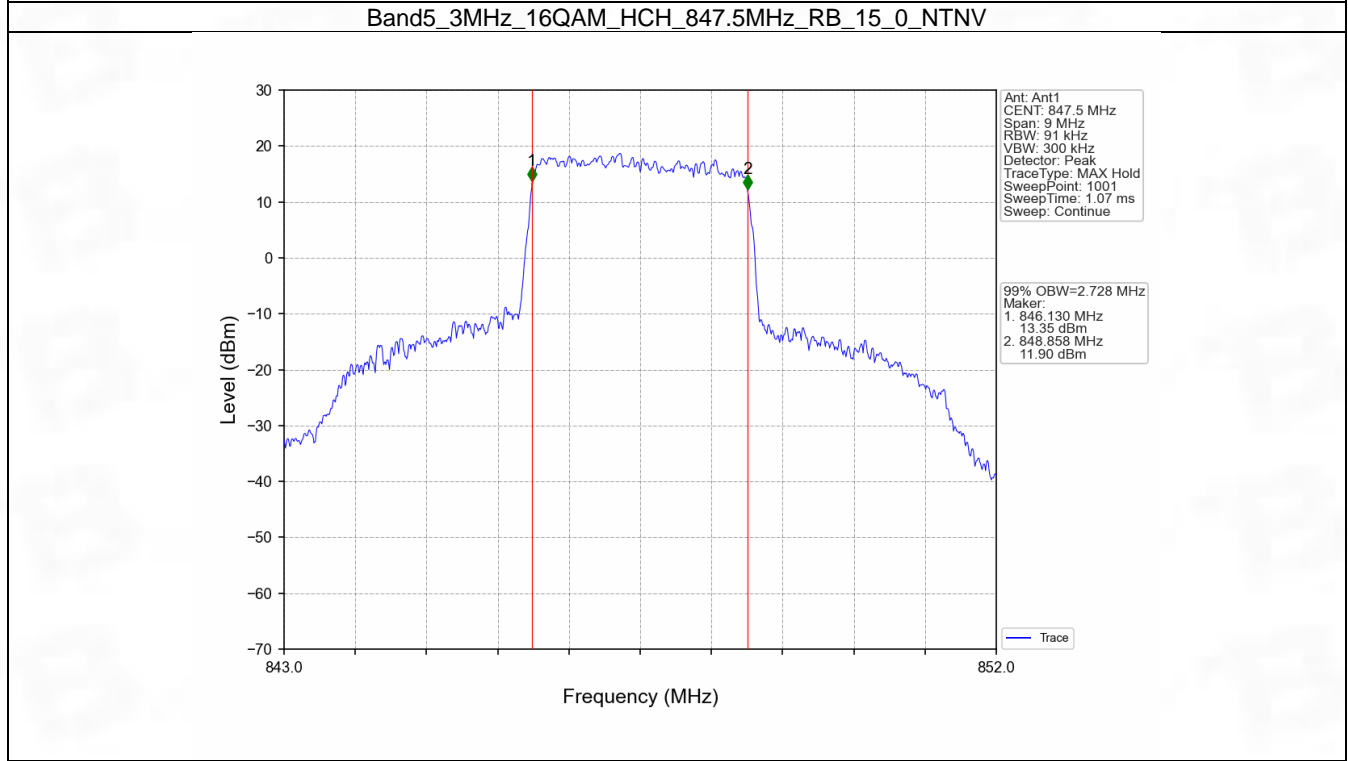
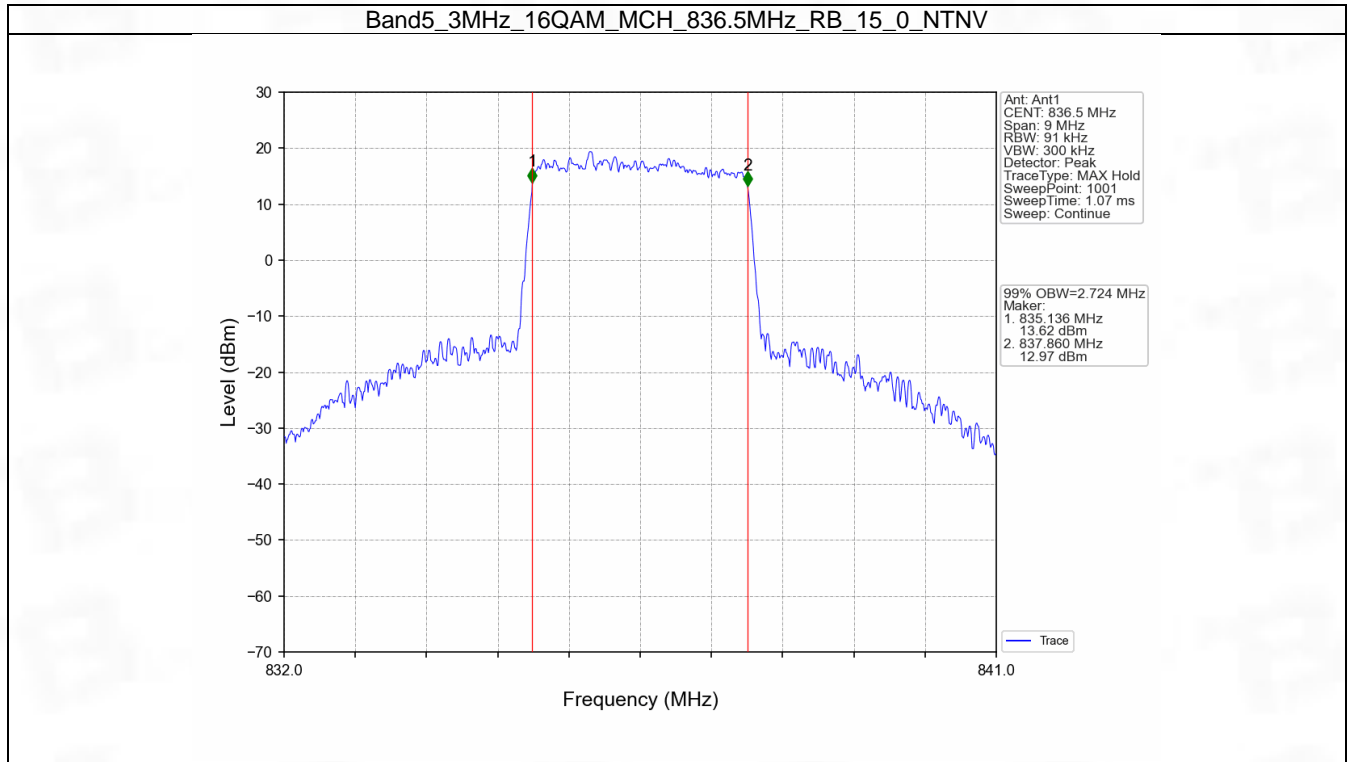


Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV

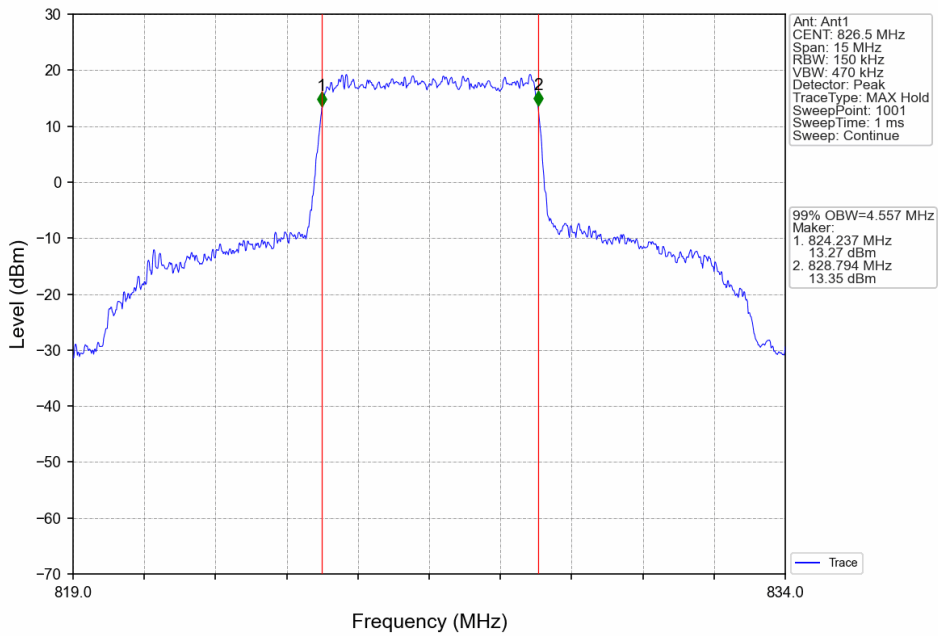


Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV

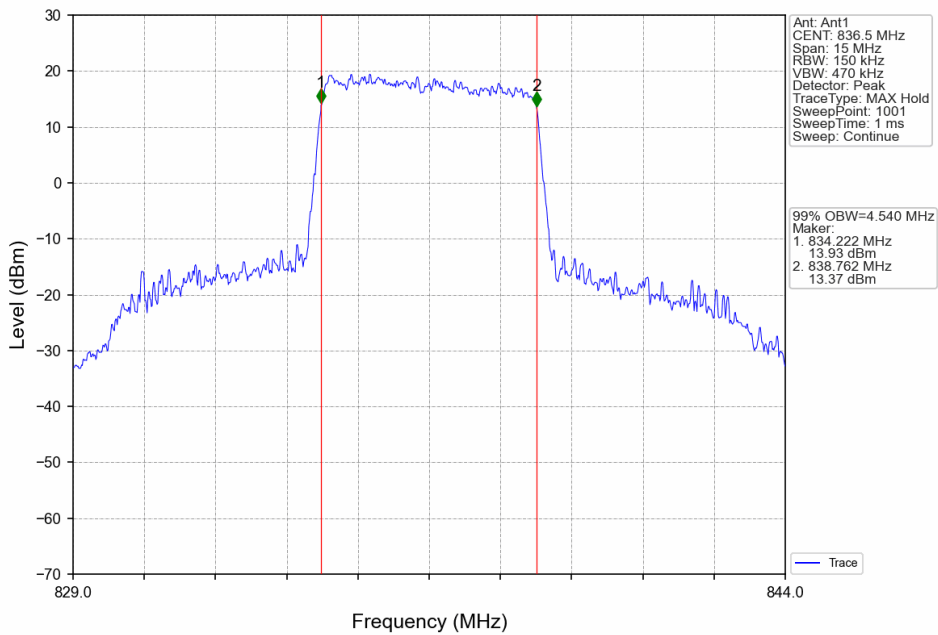


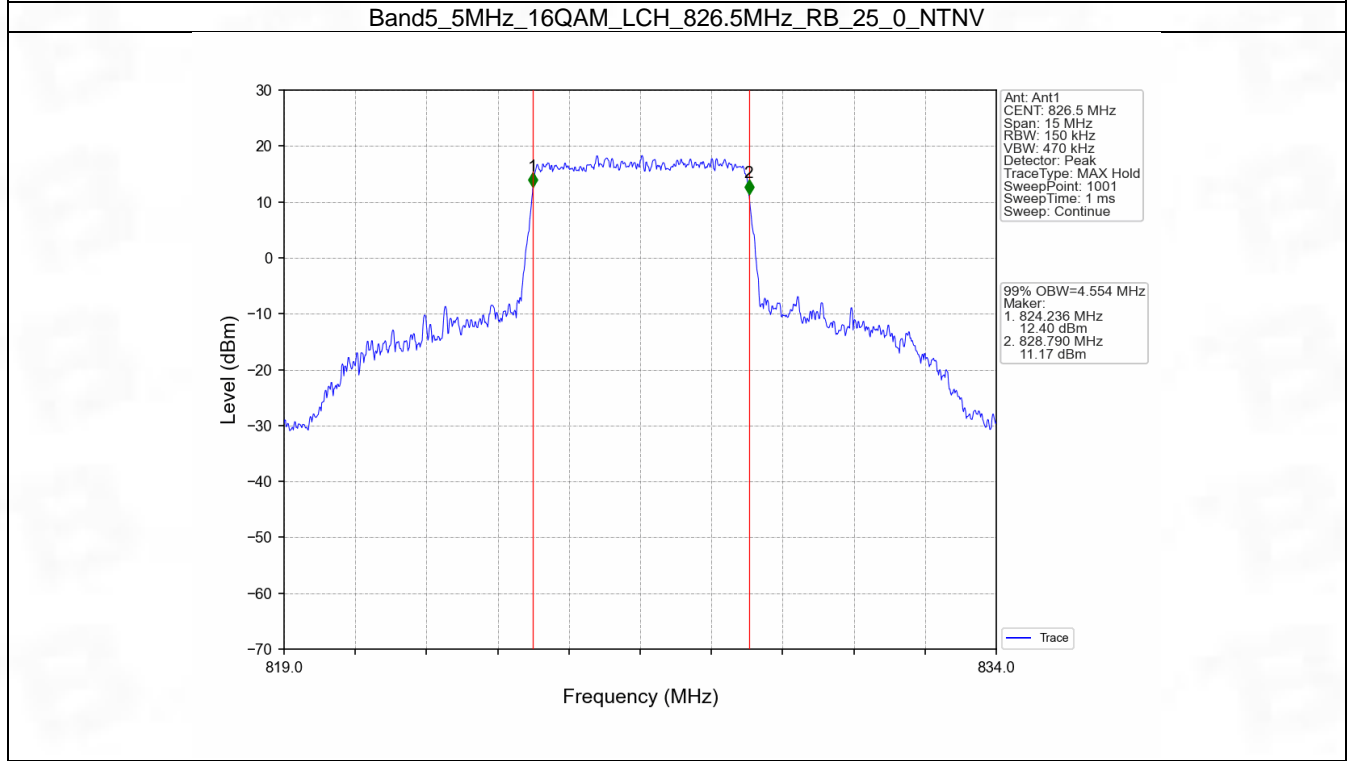
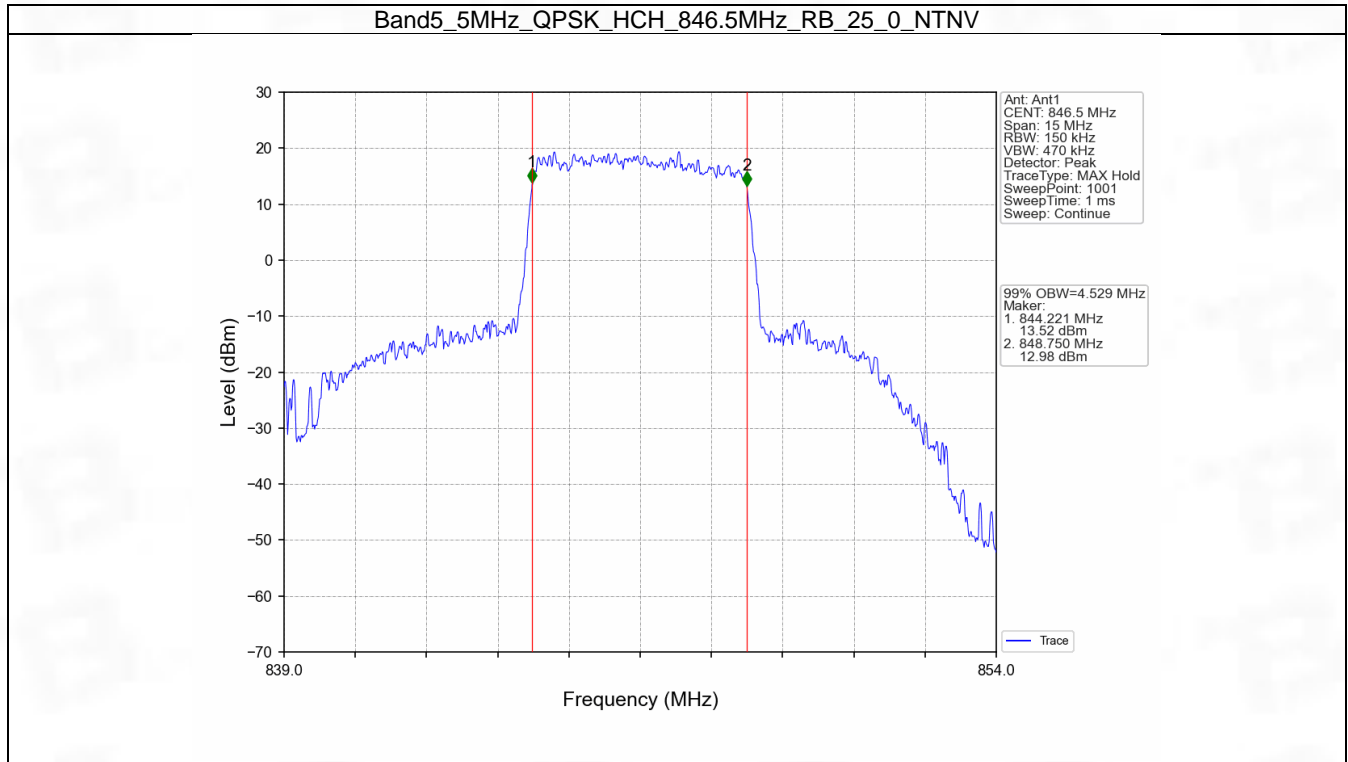


Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV

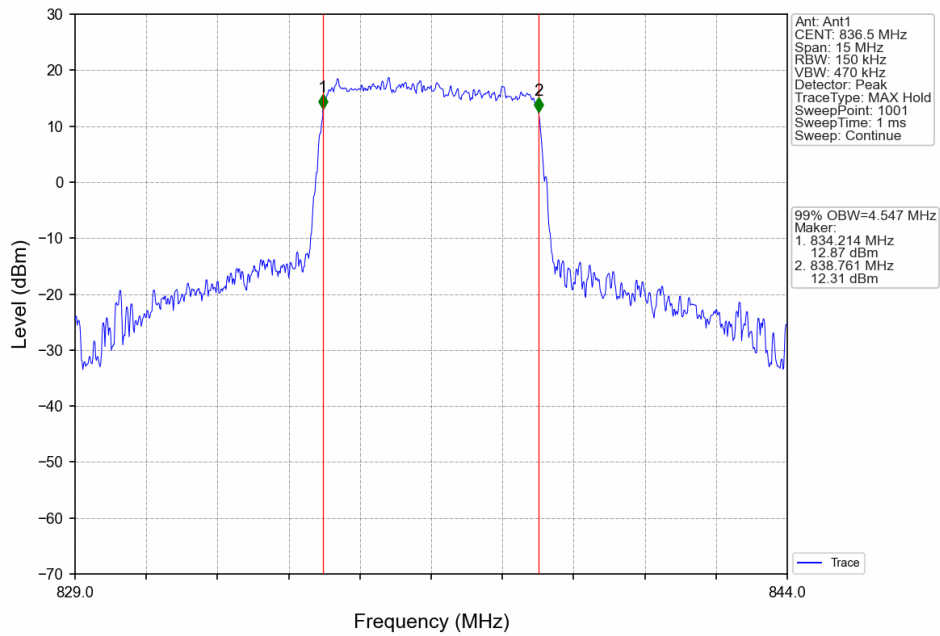


Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV

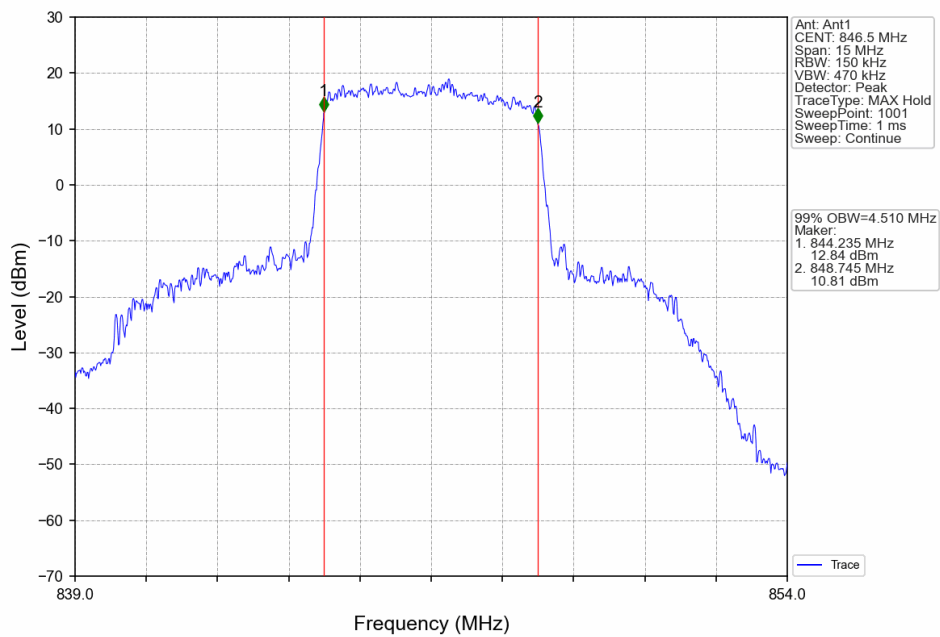




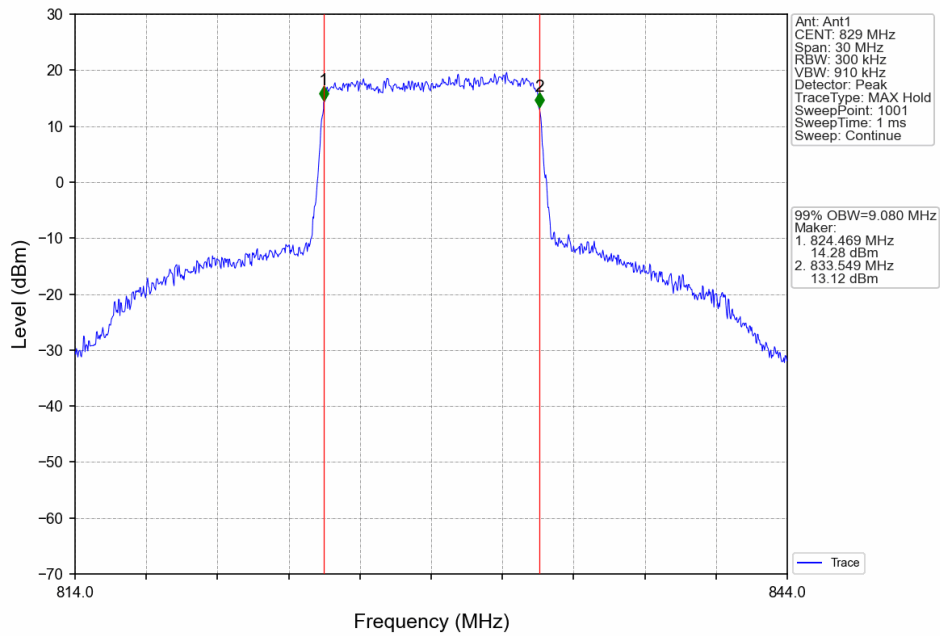
Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



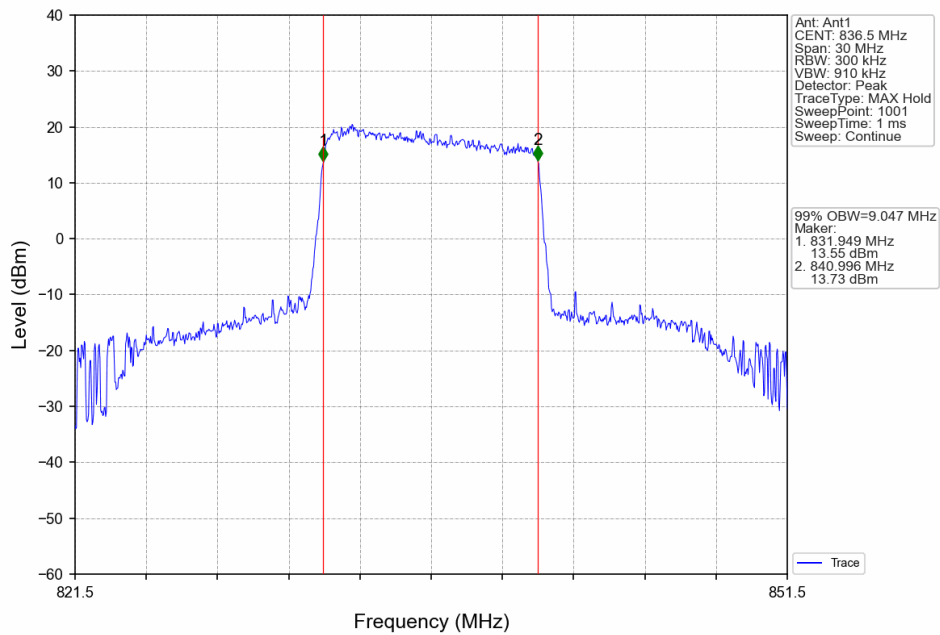
Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



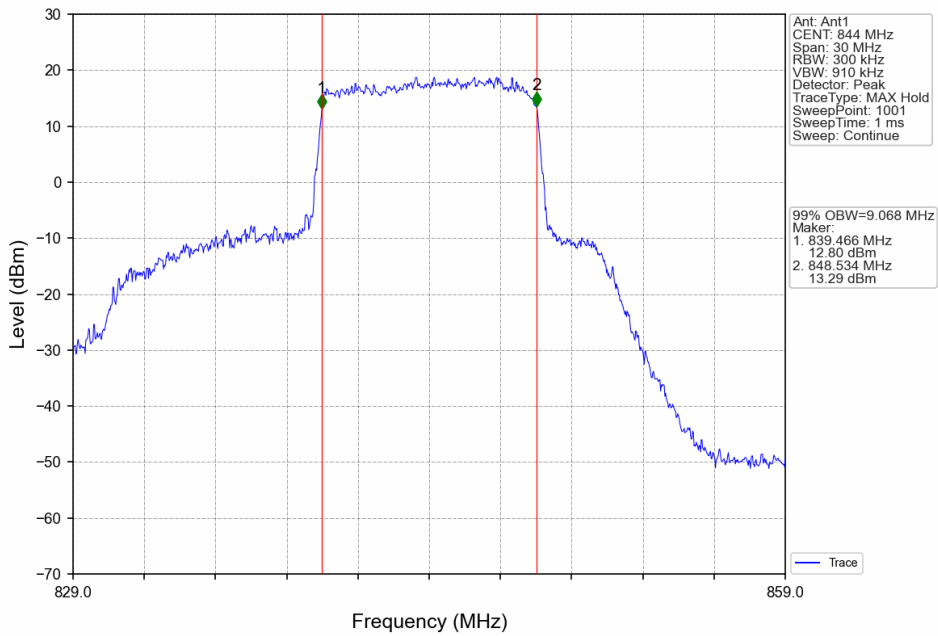
Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



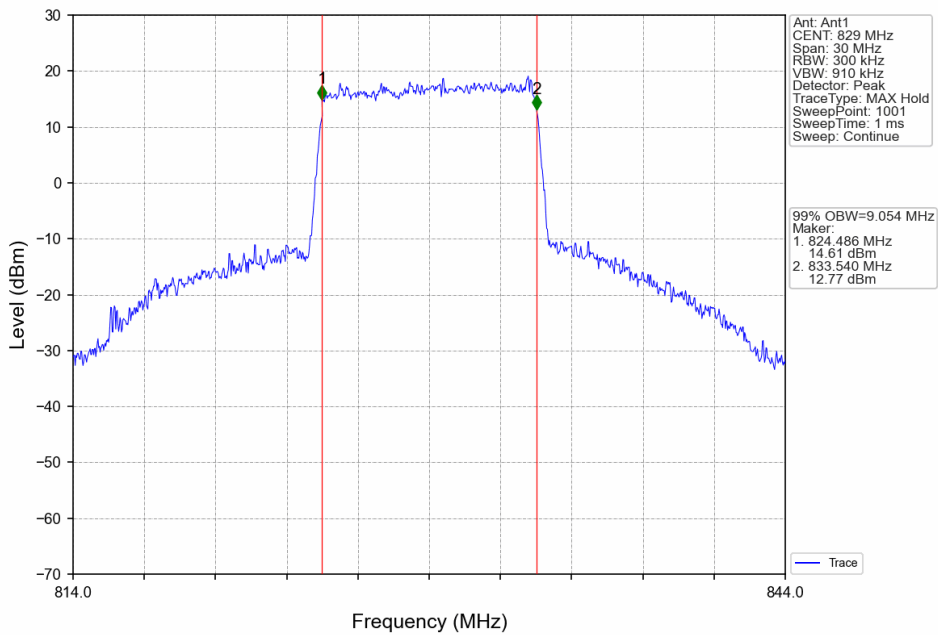
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV



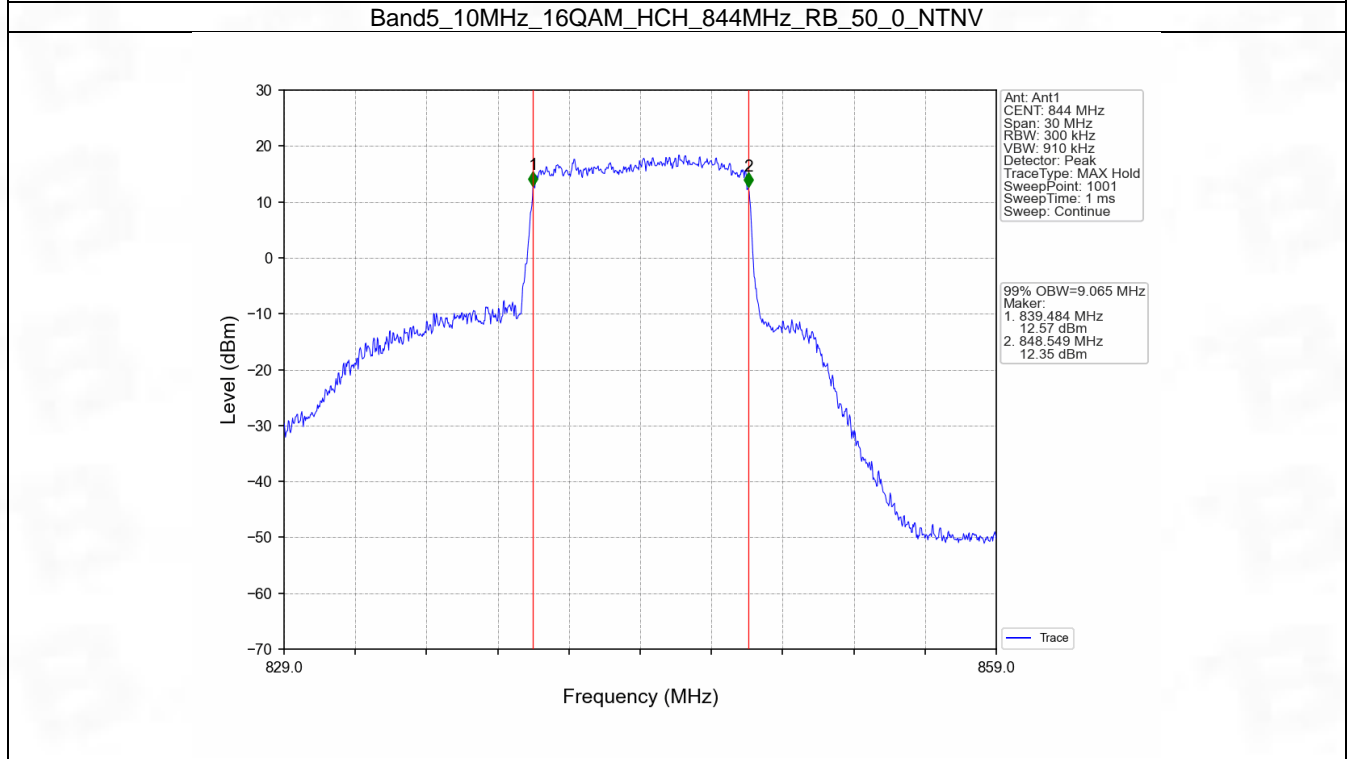
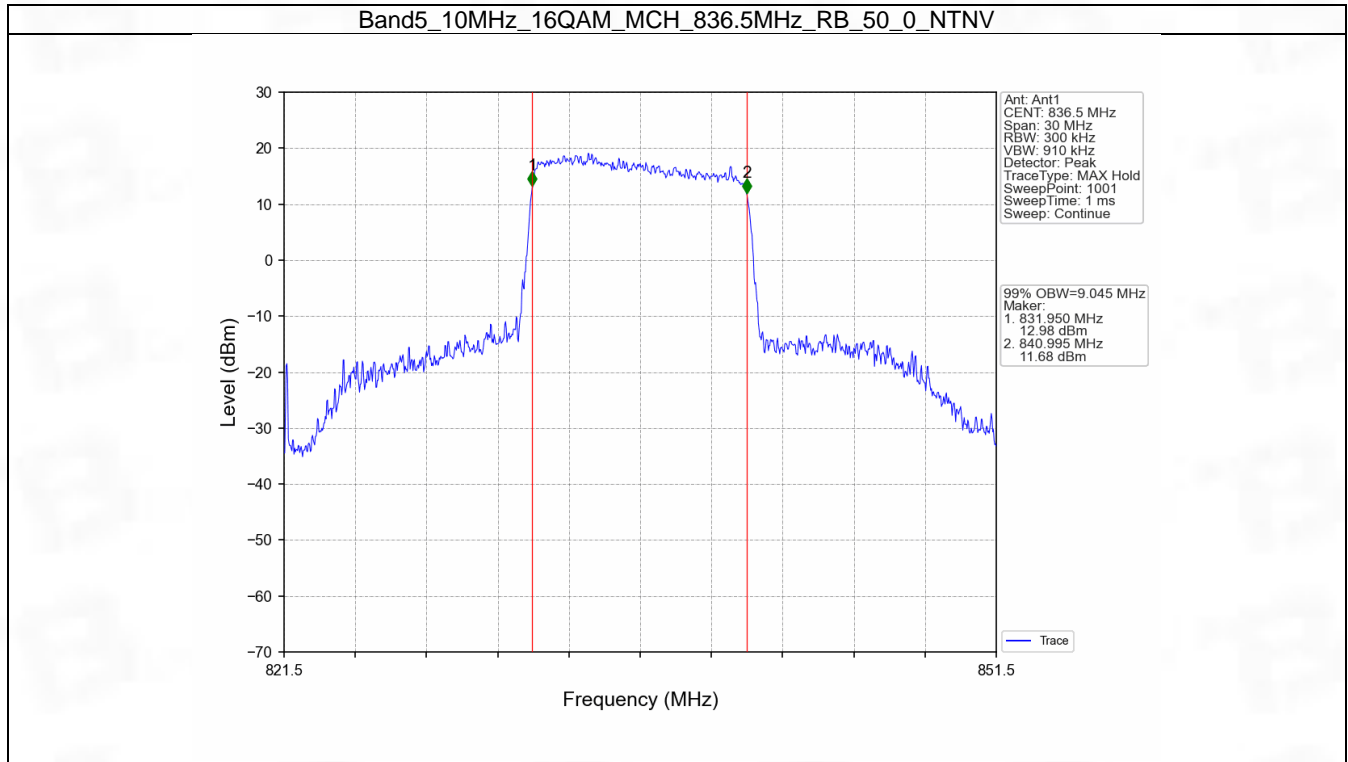
Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV





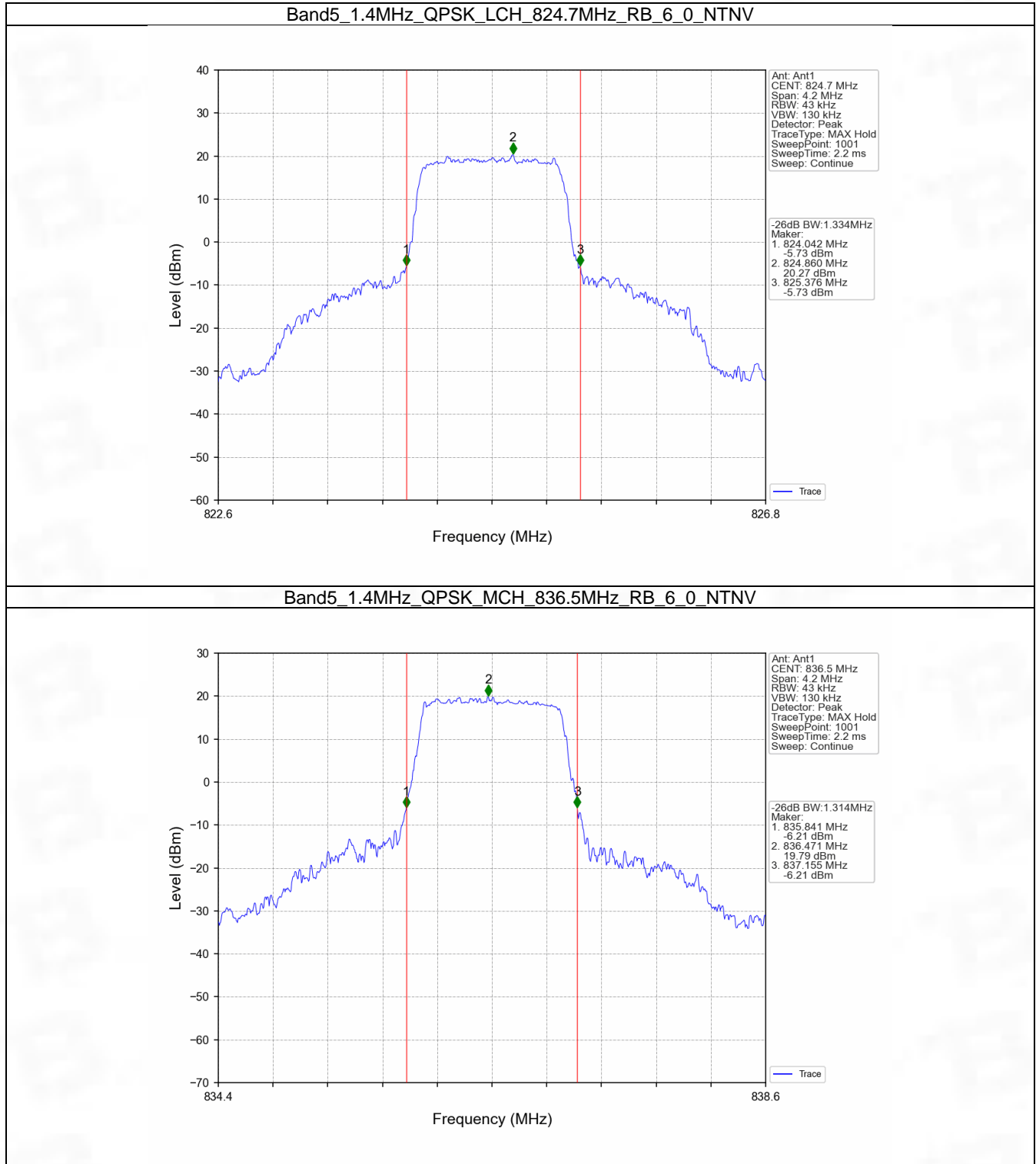


4.2 Band5\_XDB

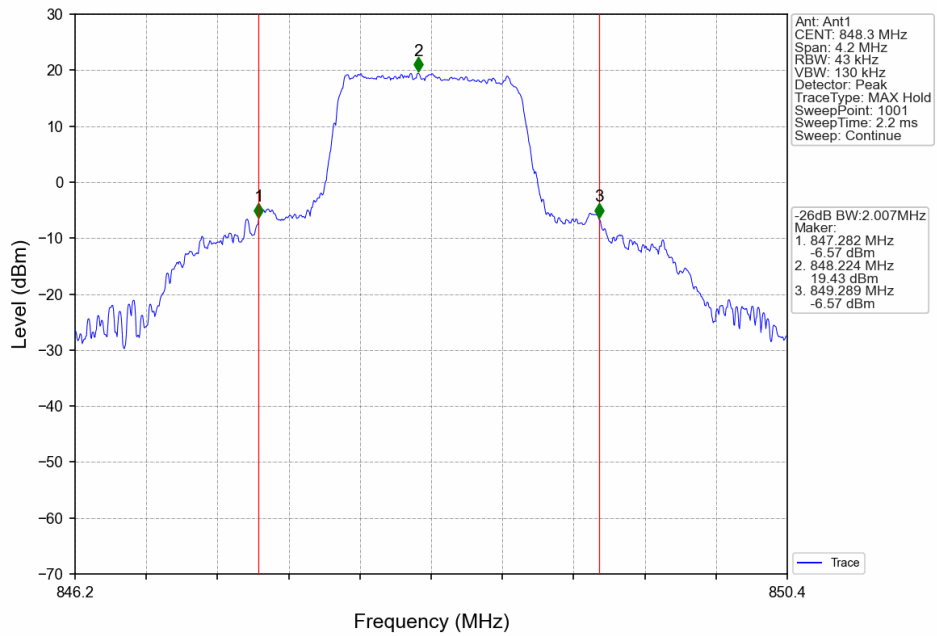
4.2.1 Test Result

Band: 5 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.334	Pass
		836.5	6	0	1.314	Pass
		848.3	6	0	2.007	Pass
	16QAM	824.7	6	0	1.364	Pass
		836.5	6	0	1.289	Pass
		848.3	6	0	1.329	Pass
3	QPSK	825.5	15	0	3.006	Pass
		836.5	15	0	3.001	Pass
		847.5	15	0	3.011	Pass
	16QAM	825.5	15	0	3.143	Pass
		836.5	15	0	2.986	Pass
		847.5	15	0	2.988	Pass
5	QPSK	826.5	25	0	5.090	Pass
		836.5	25	0	5.013	Pass
		846.5	25	0	5.024	Pass
	16QAM	826.5	25	0	5.922	Pass
		836.5	25	0	4.983	Pass
		846.5	25	0	4.974	Pass
10	QPSK	829	50	0	9.975	Pass
		836.5	50	0	9.904	Pass
		844	50	0	10.201	Pass
	16QAM	829	50	0	9.859	Pass
		836.5	50	0	9.910	Pass
		844	50	0	9.920	Pass

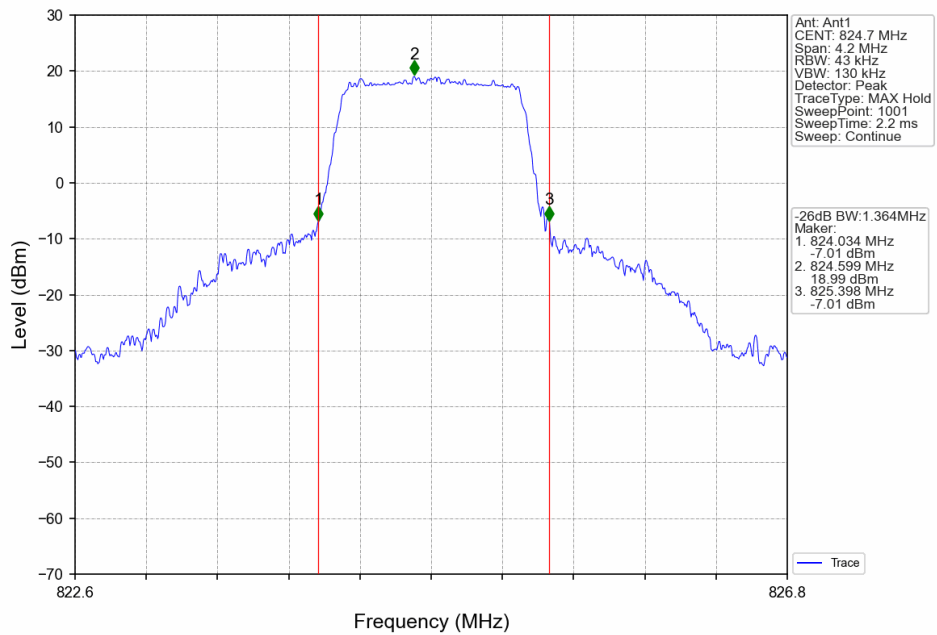
### 4.2.2 Test Graph

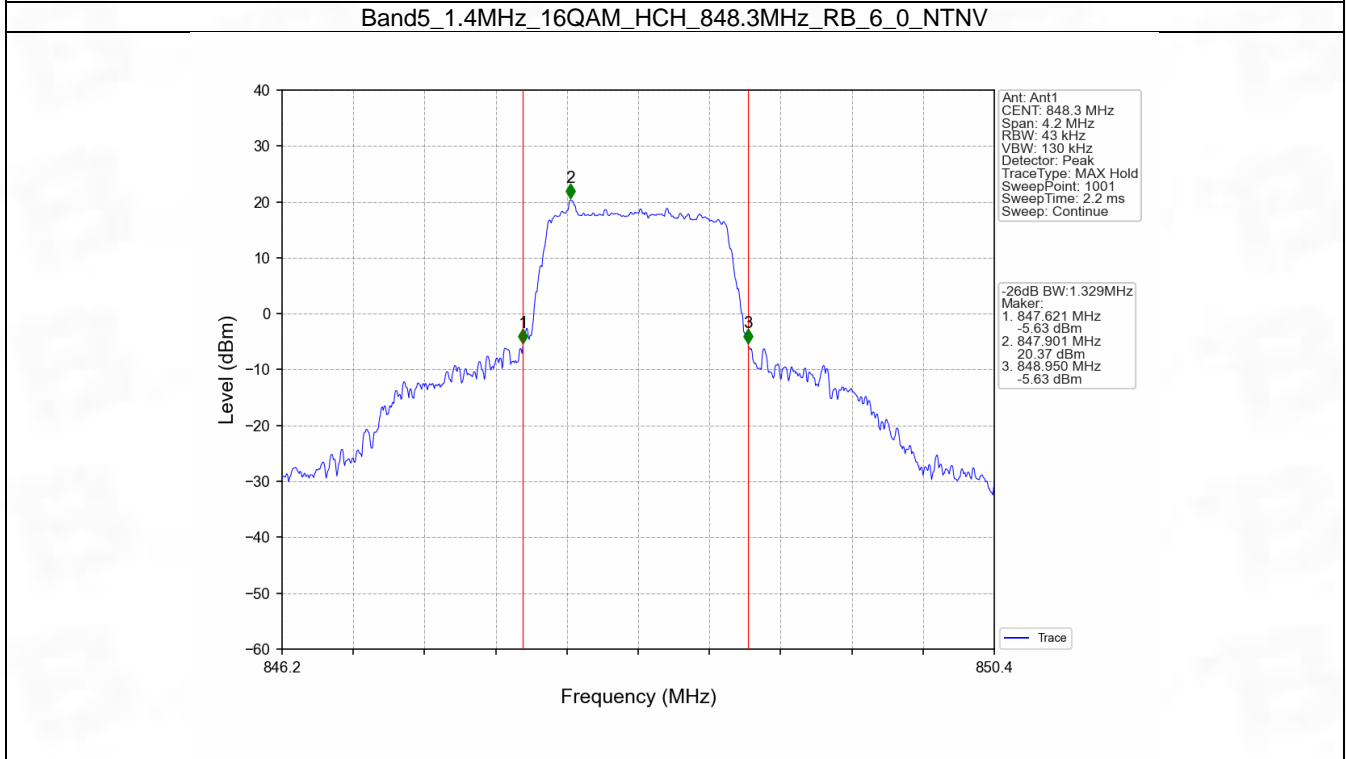
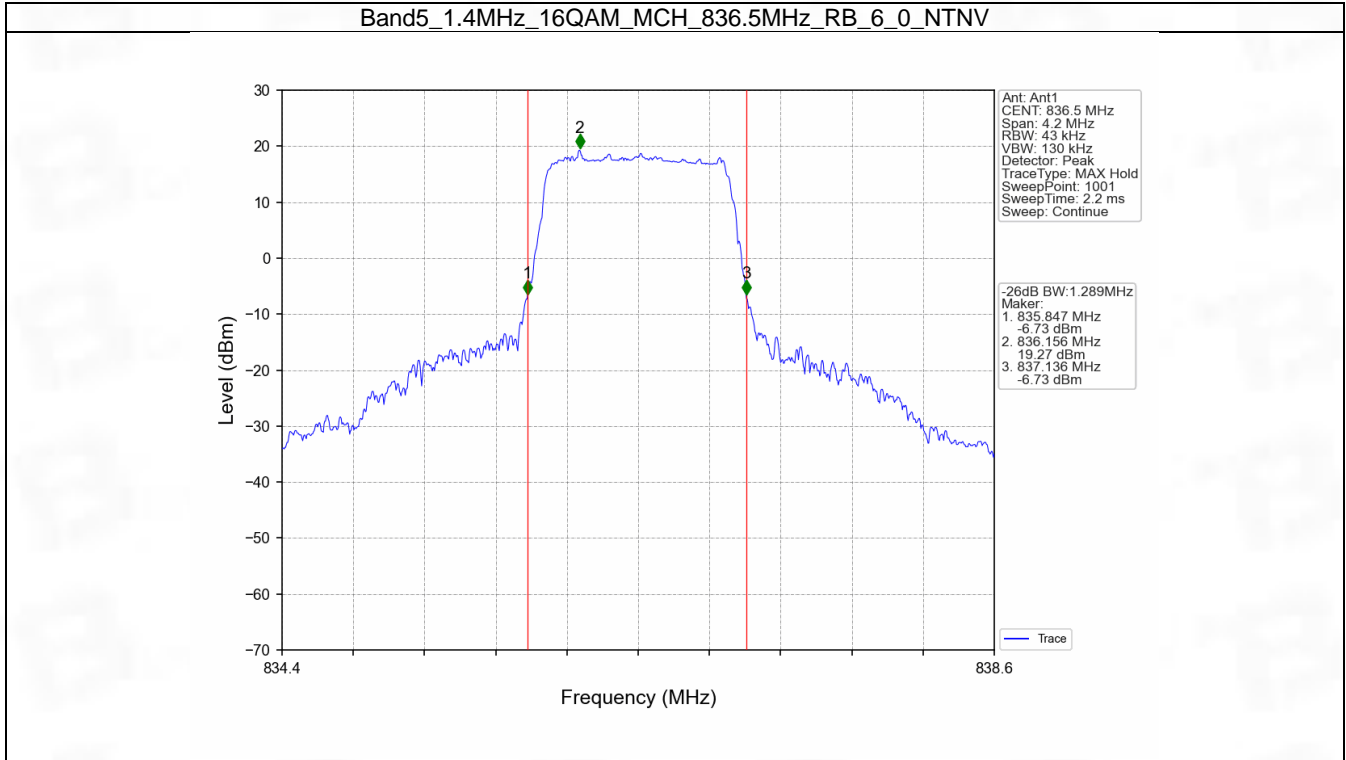


Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV

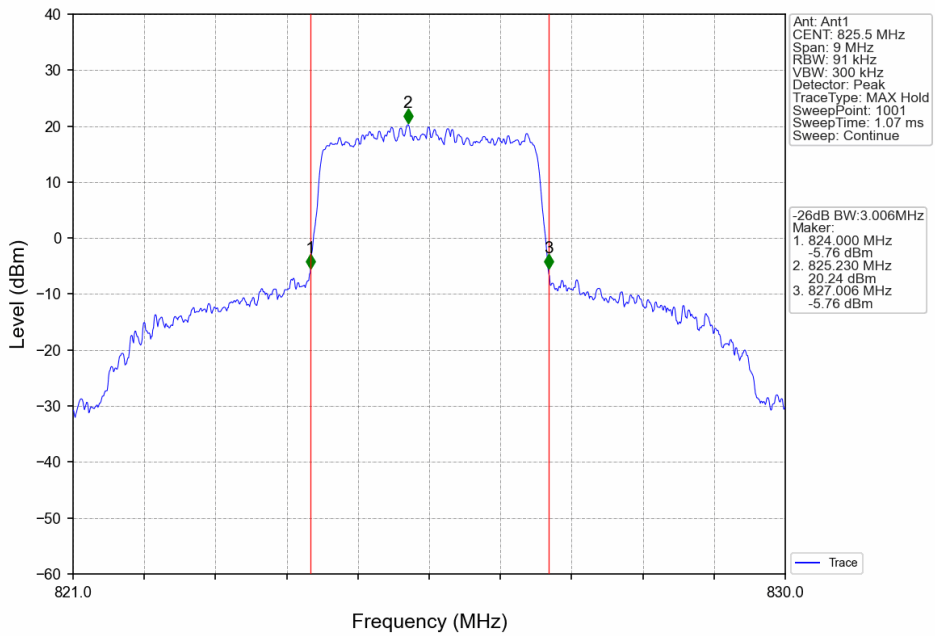


Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV

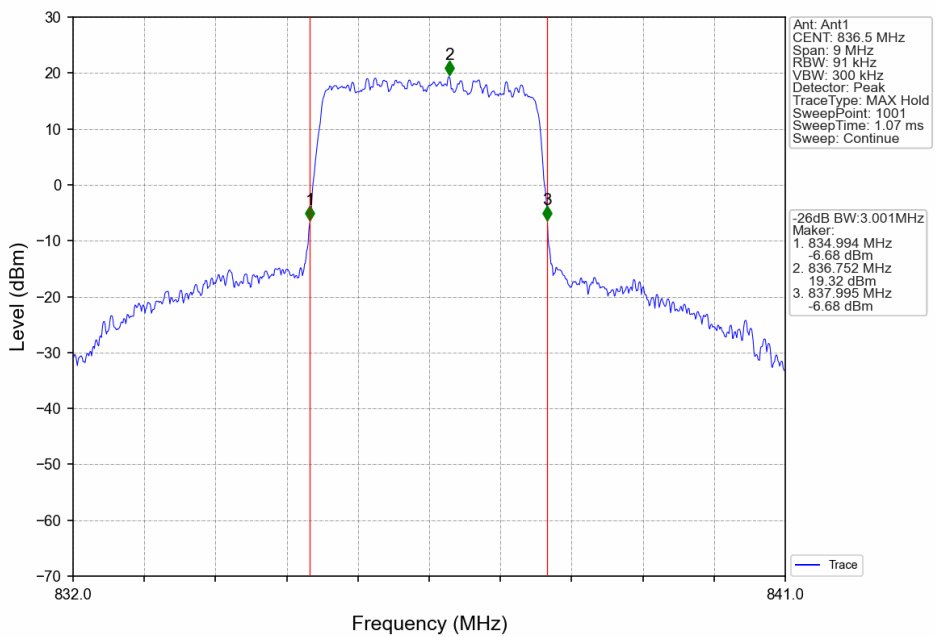




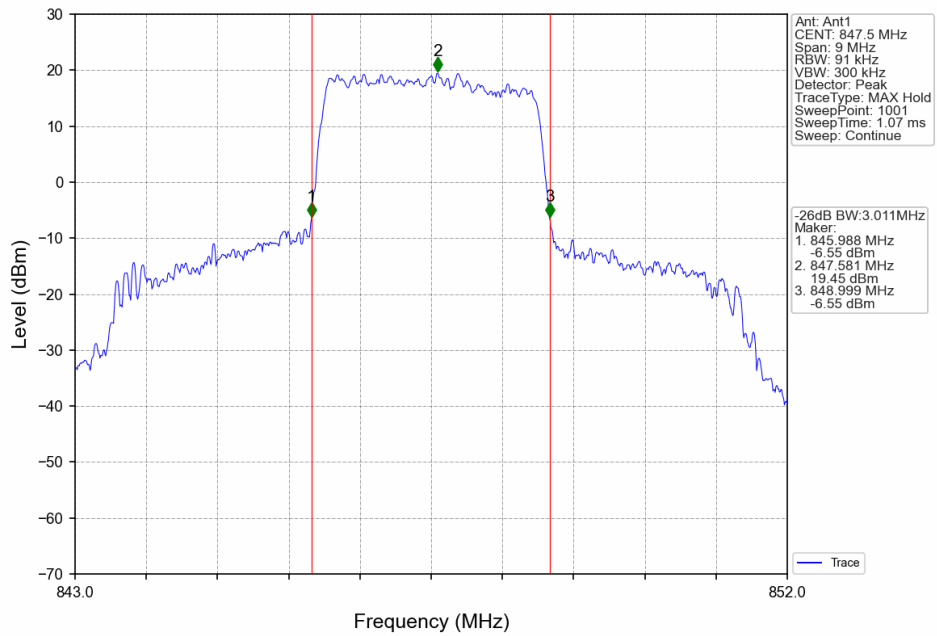
Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



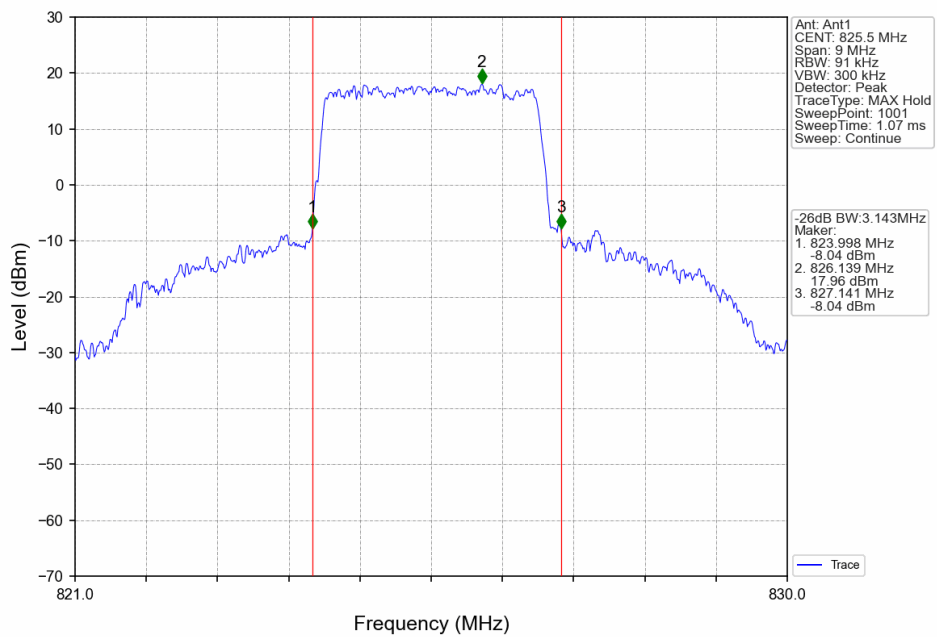
Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



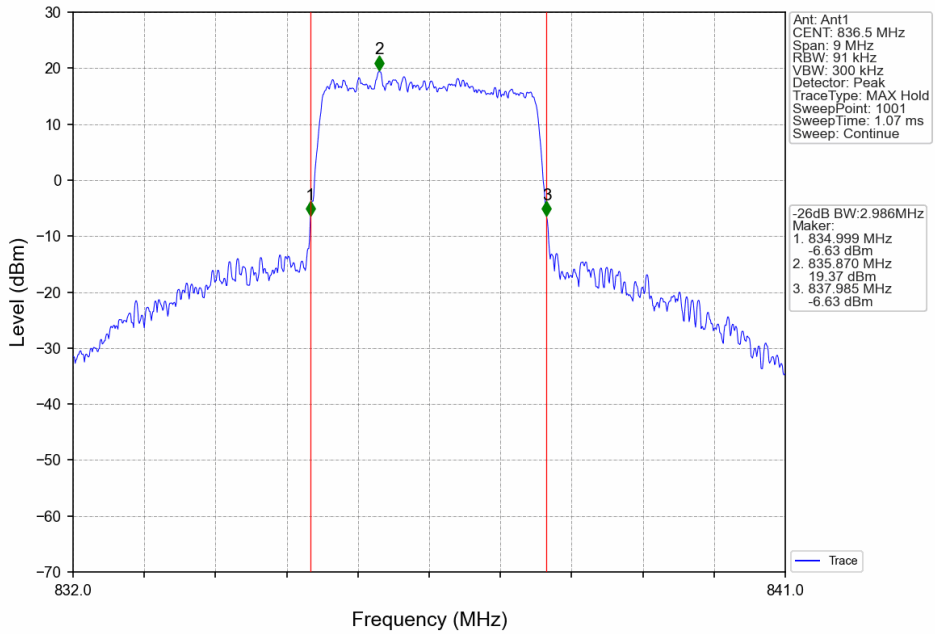
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



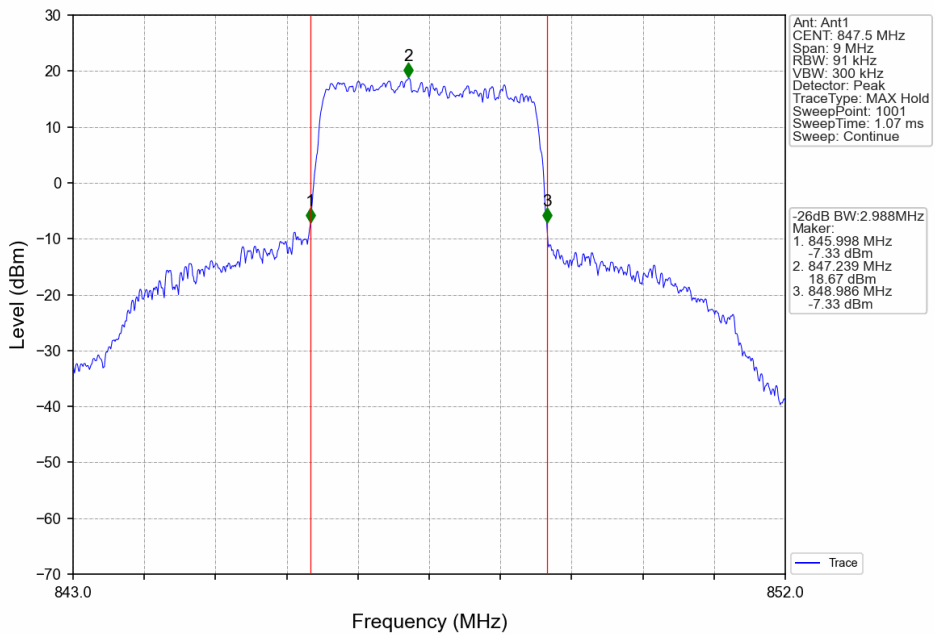
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV

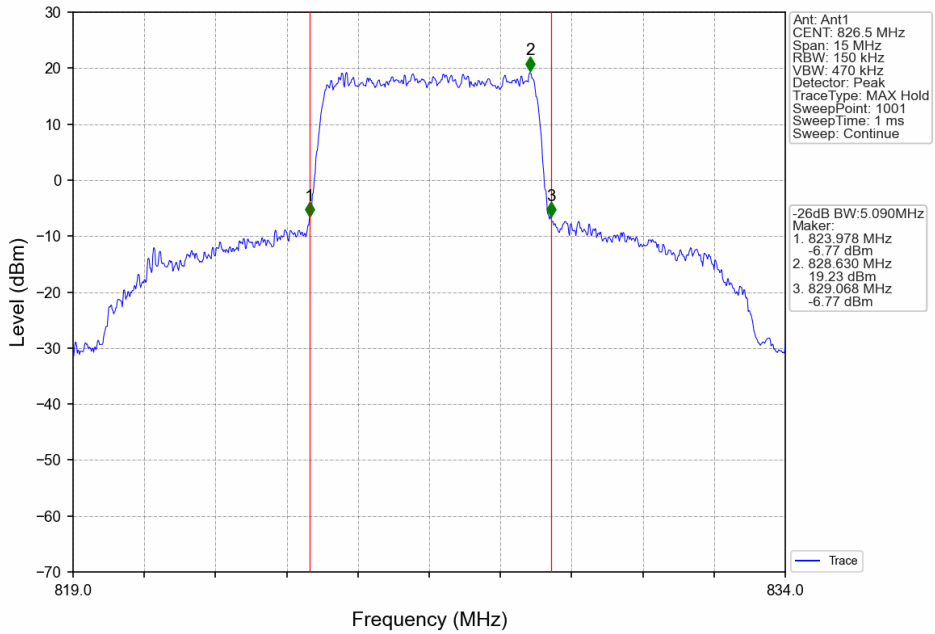


Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV

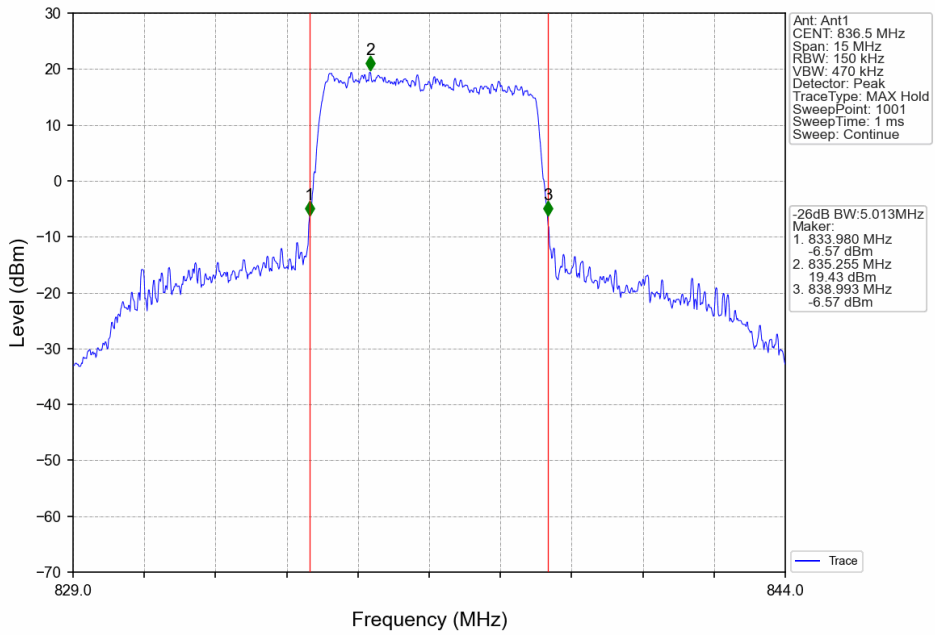




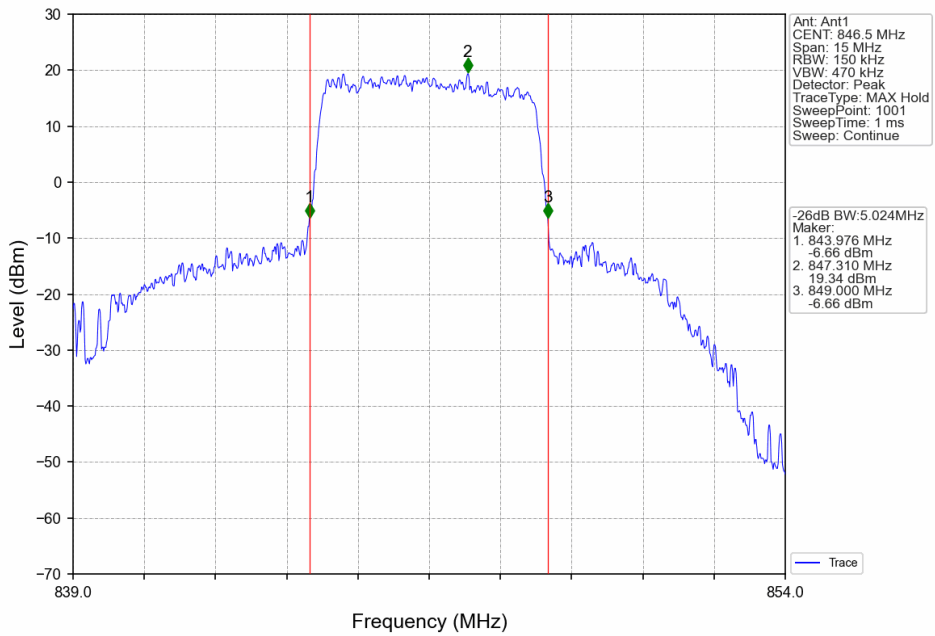
Band5\_5MHz\_QPSK\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



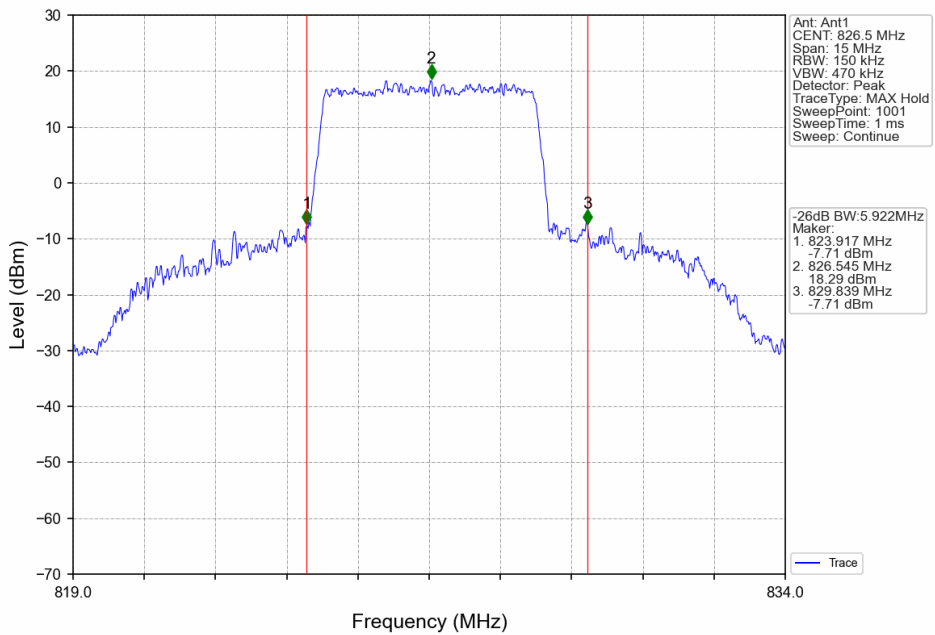
Band5\_5MHz\_QPSK\_MCH\_836.5MHz\_RB\_25\_0\_NTNV

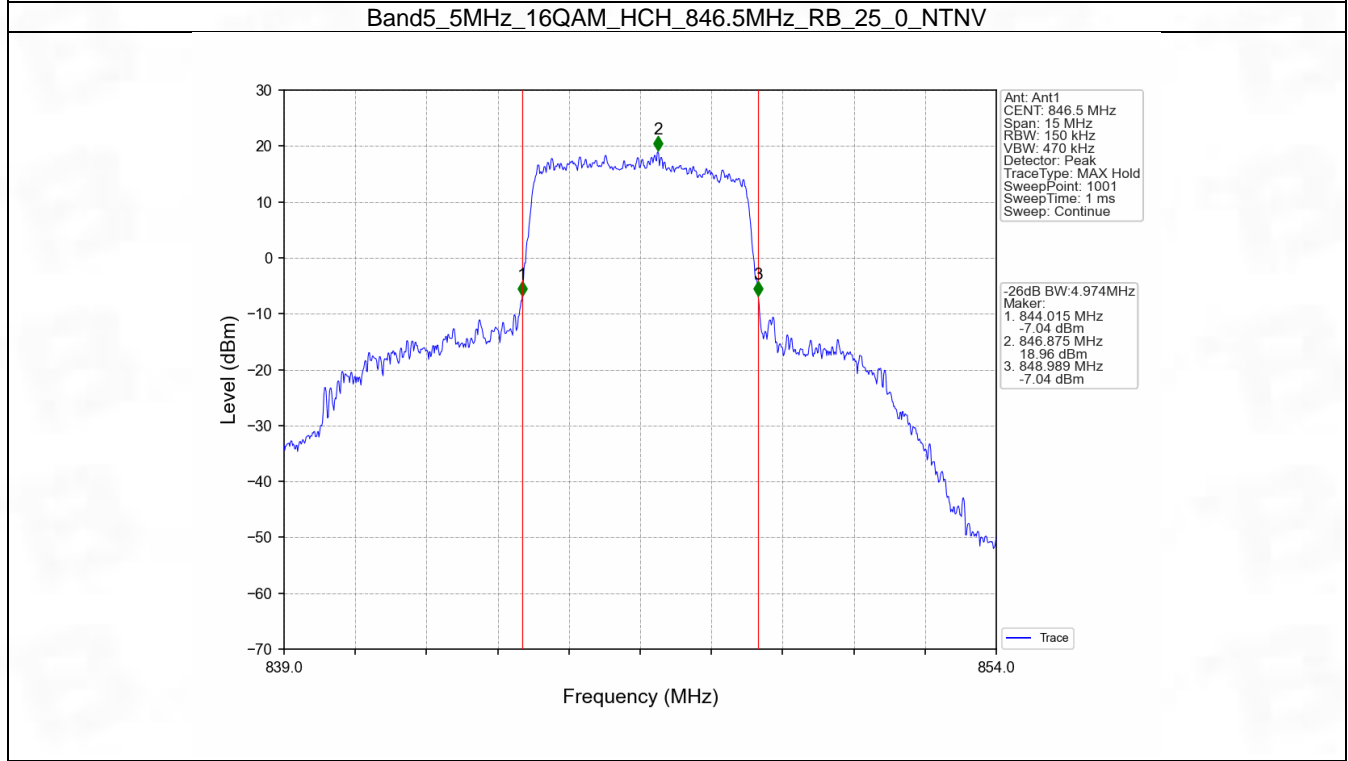
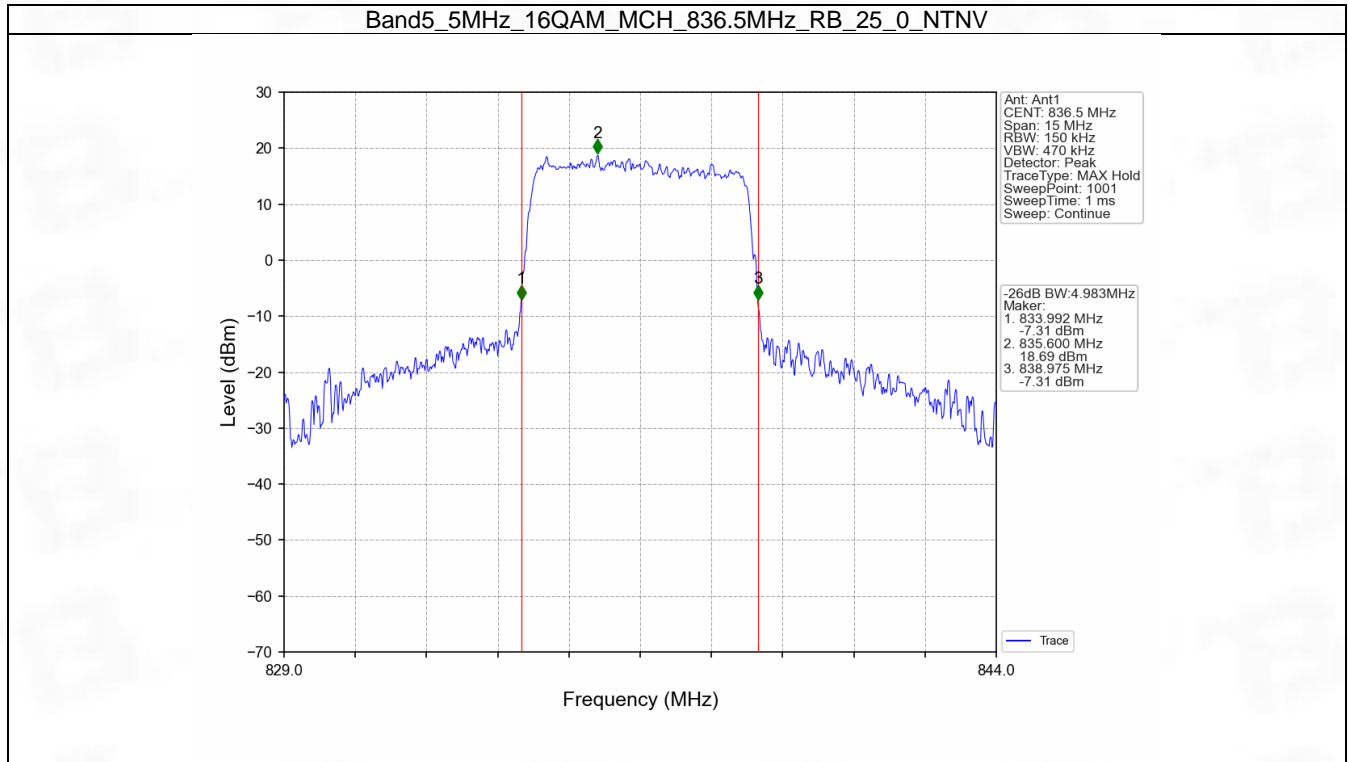


Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV

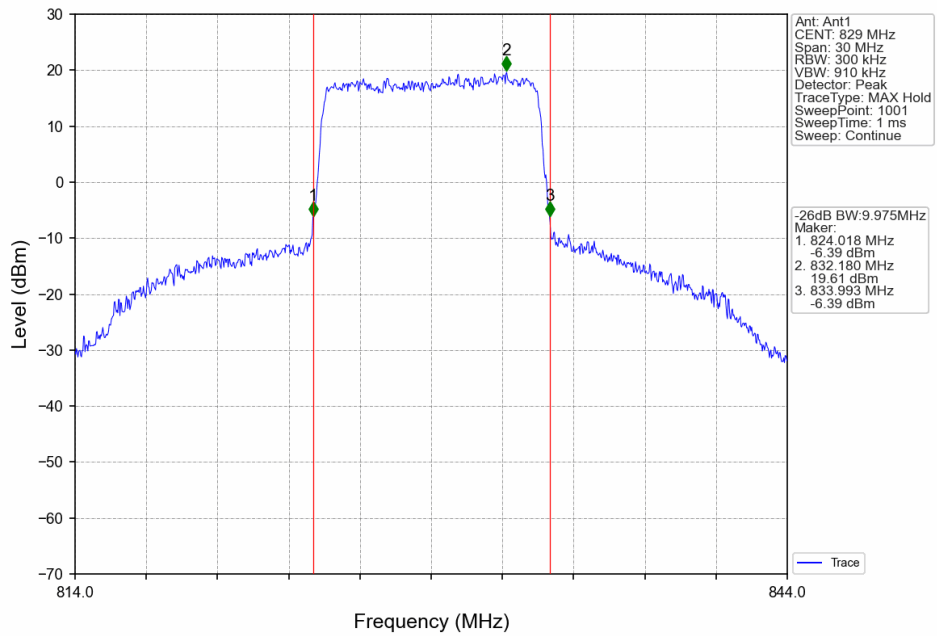


Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV

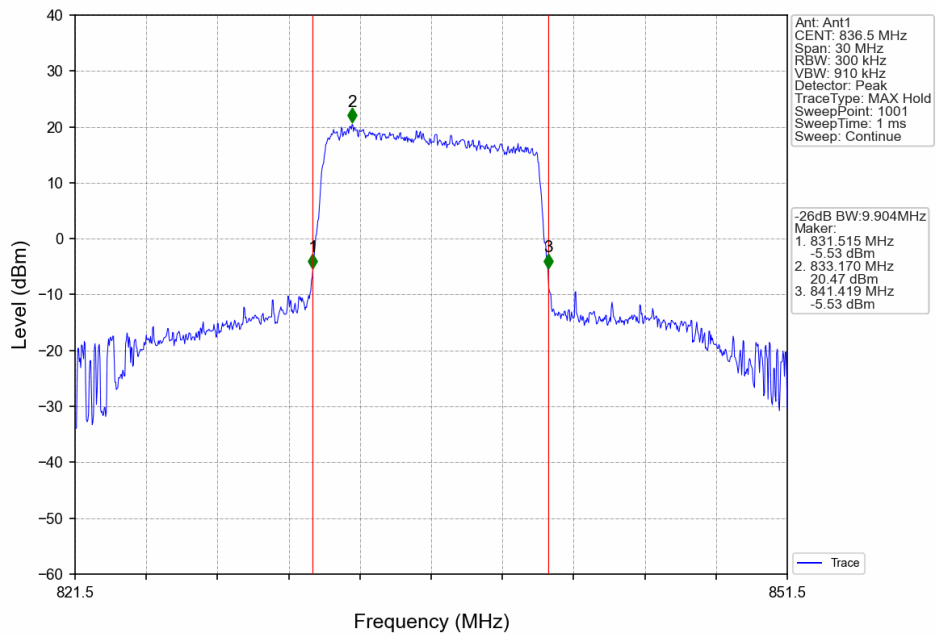




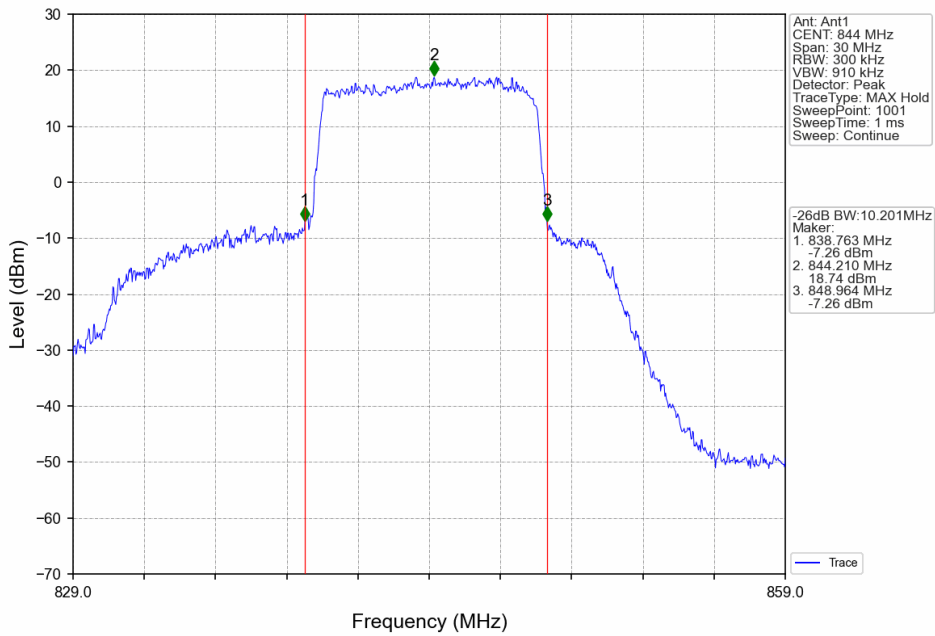
Band5\_10MHz\_QPSK\_LCH\_829MHz\_RB\_50\_0\_NTNV



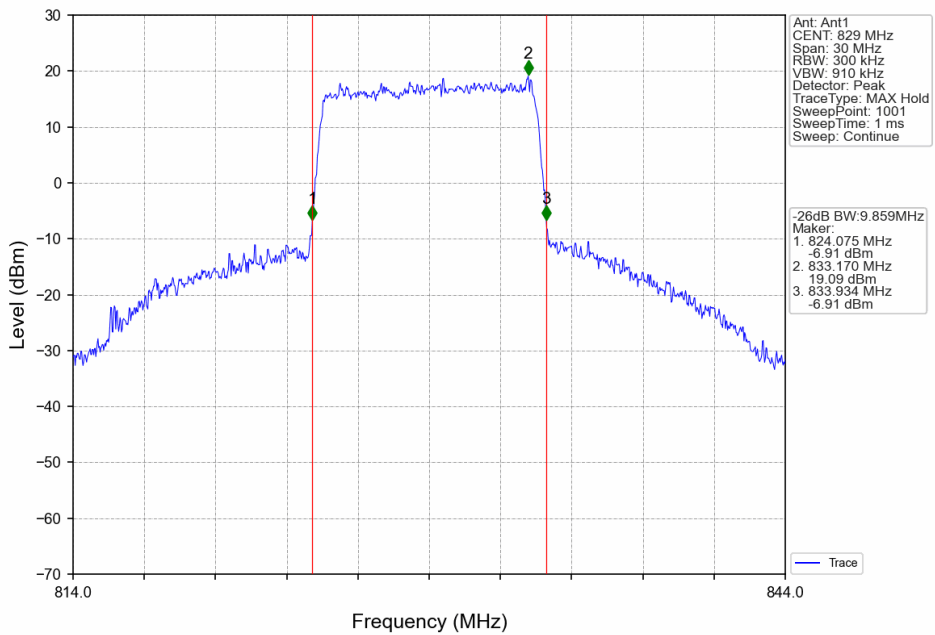
Band5\_10MHz\_QPSK\_MCH\_836.5MHz\_RB\_50\_0\_NTNV

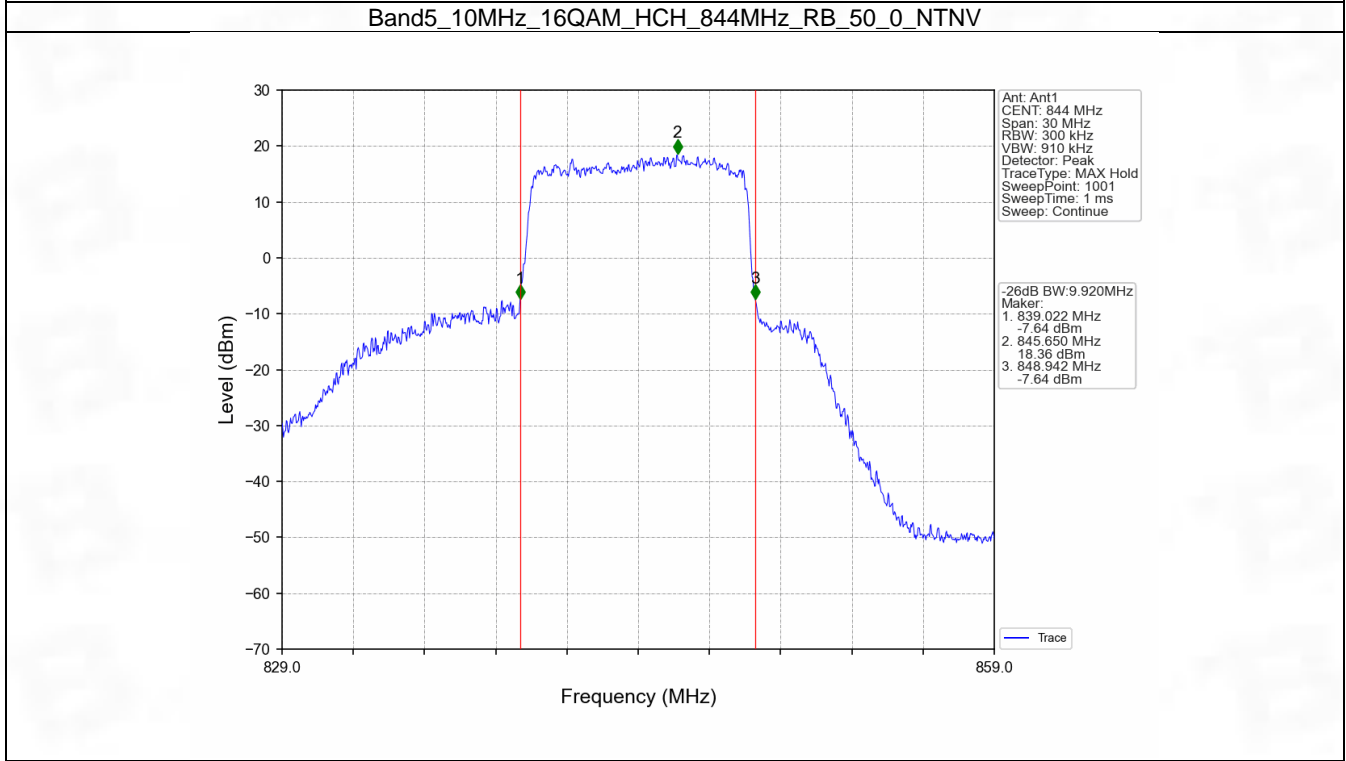
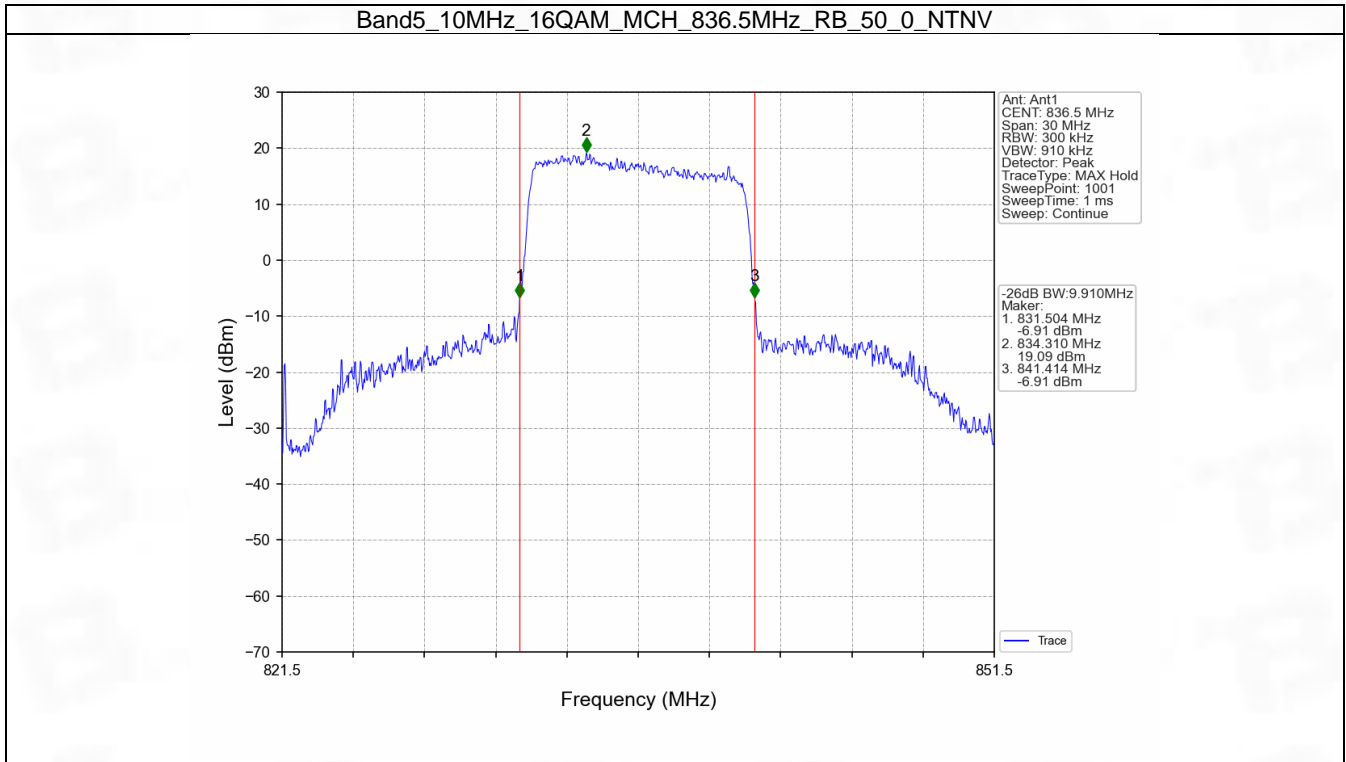


Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV







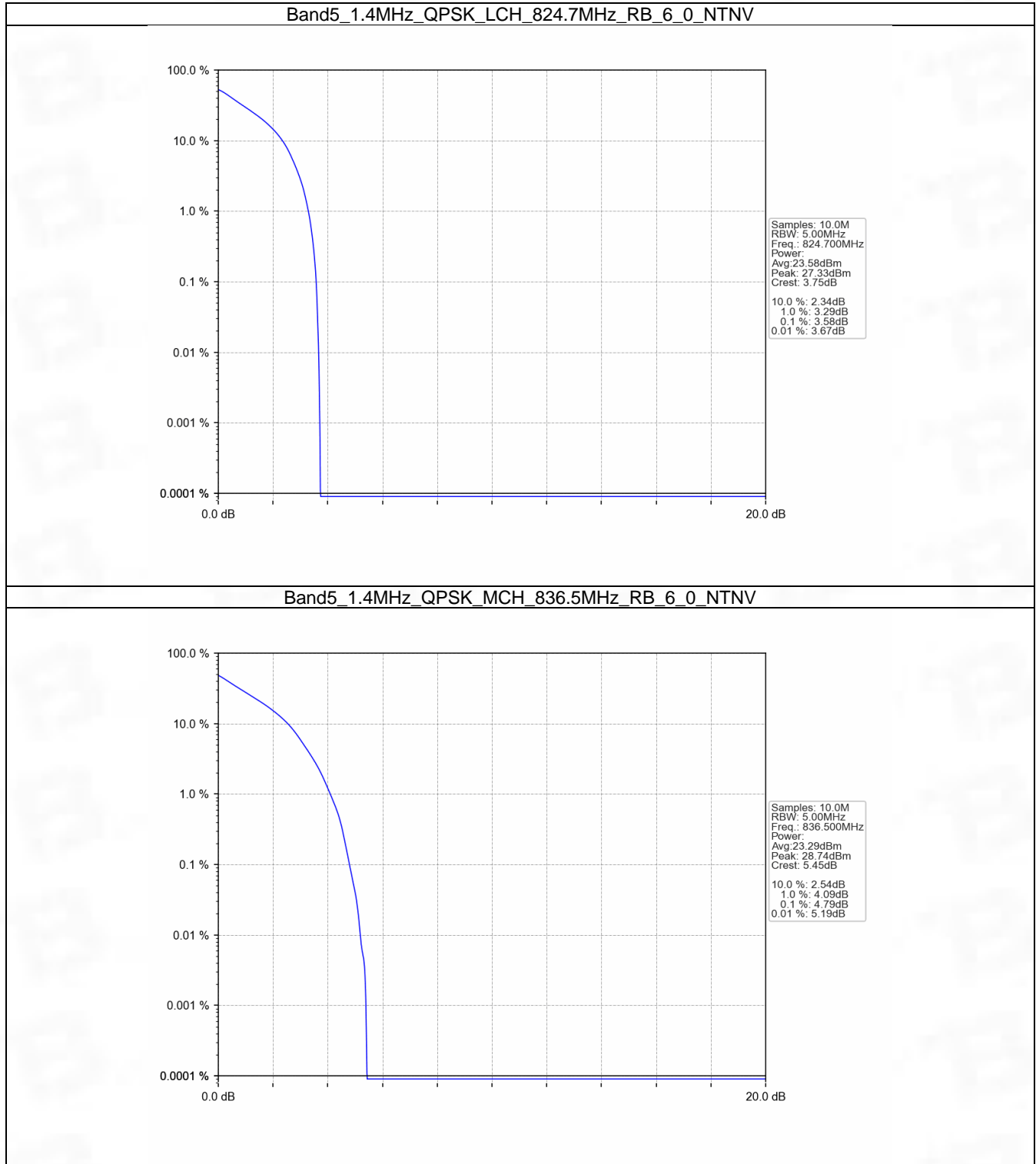
## 5. Peak-Average Ratio

### 5.1 B5\_1.4MHz

#### 5.1.1 Test Result

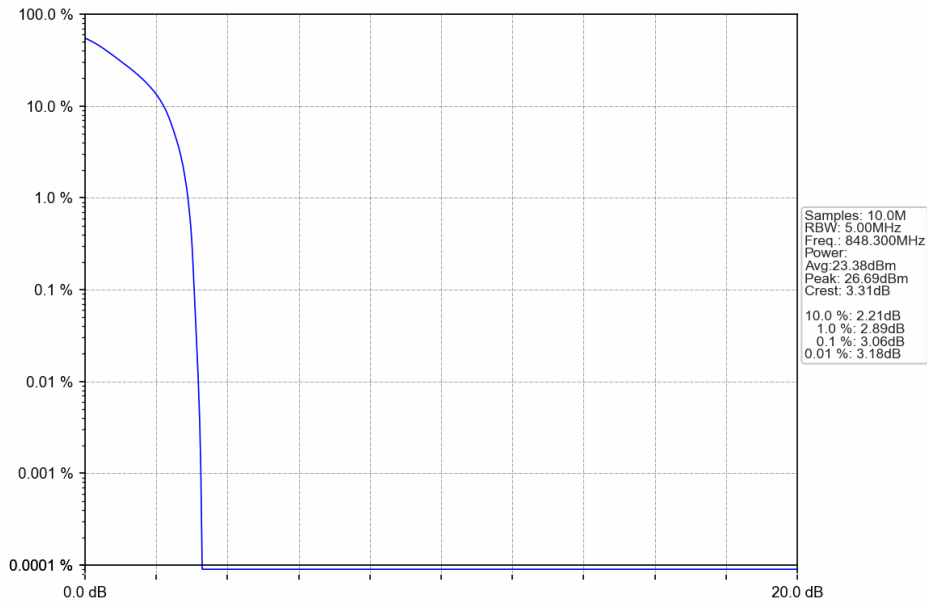
Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	3.58	<=13	Pass
	836.5	6	0	4.79	<=13	Pass
	848.3	6	0	3.06	<=13	Pass
16QAM	824.7	6	0	4.58	<=13	Pass
	836.5	6	0	5.66	<=13	Pass
	848.3	6	0	4.64	<=13	Pass

### 5.1.2 Test Graph

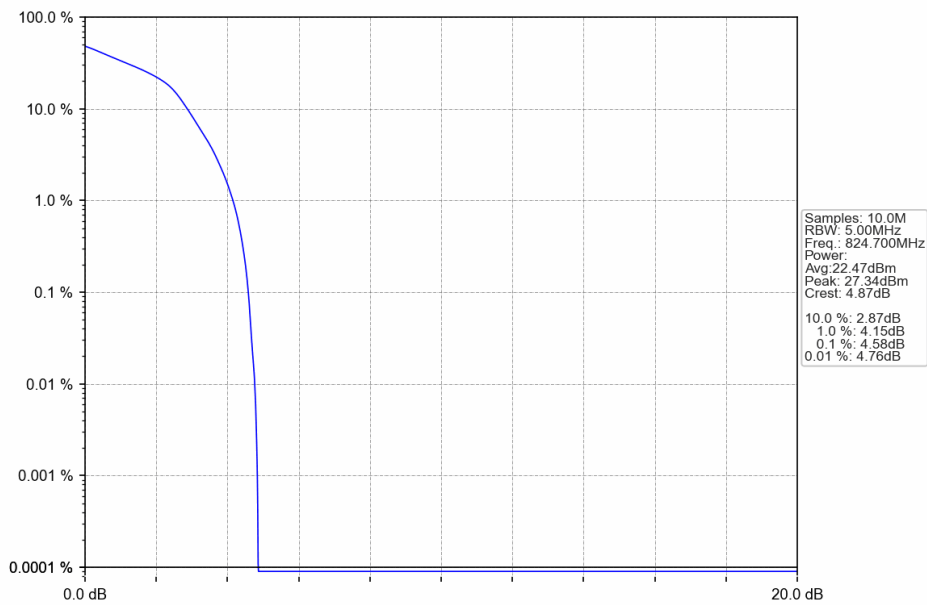




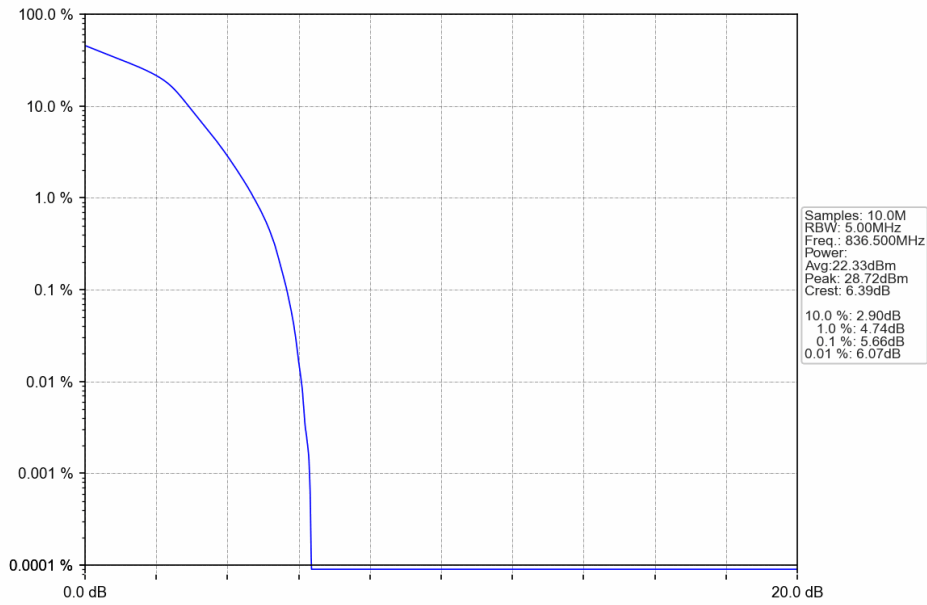
Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



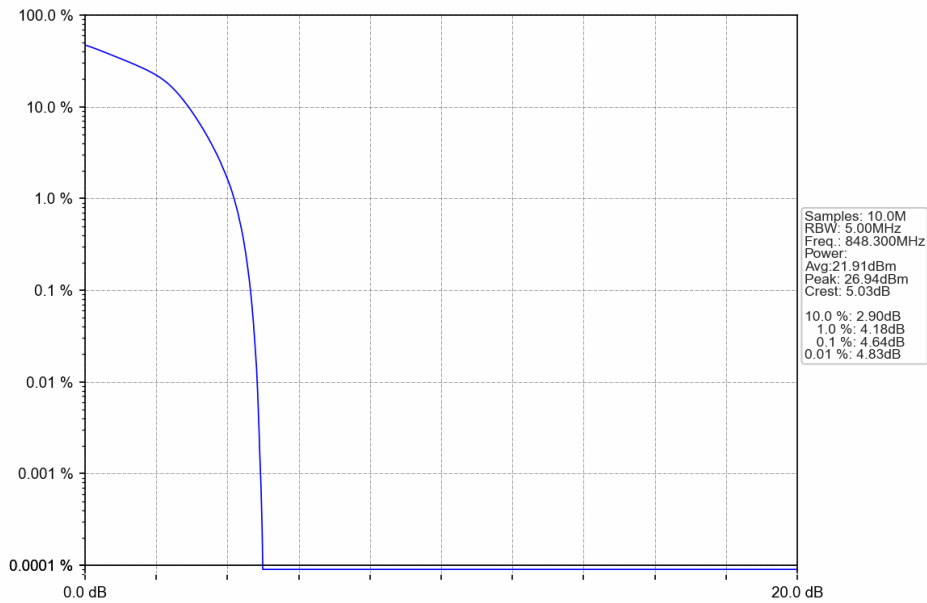
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



Band5\_1.4MHz\_16QAM\_MCH\_836.5MHz\_RB\_6\_0\_NTNV



Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV

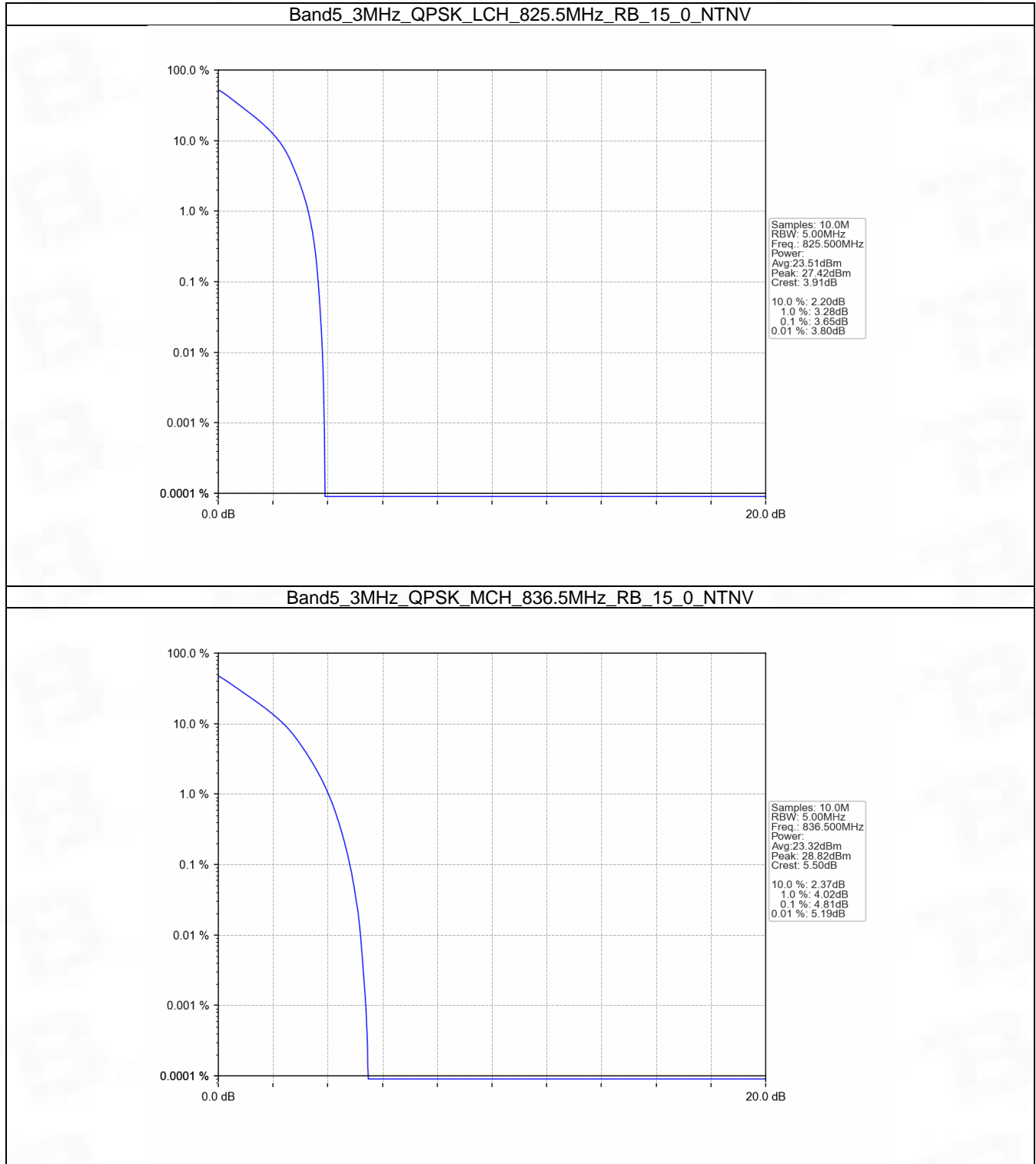


## 5.2 B5\_3MHz

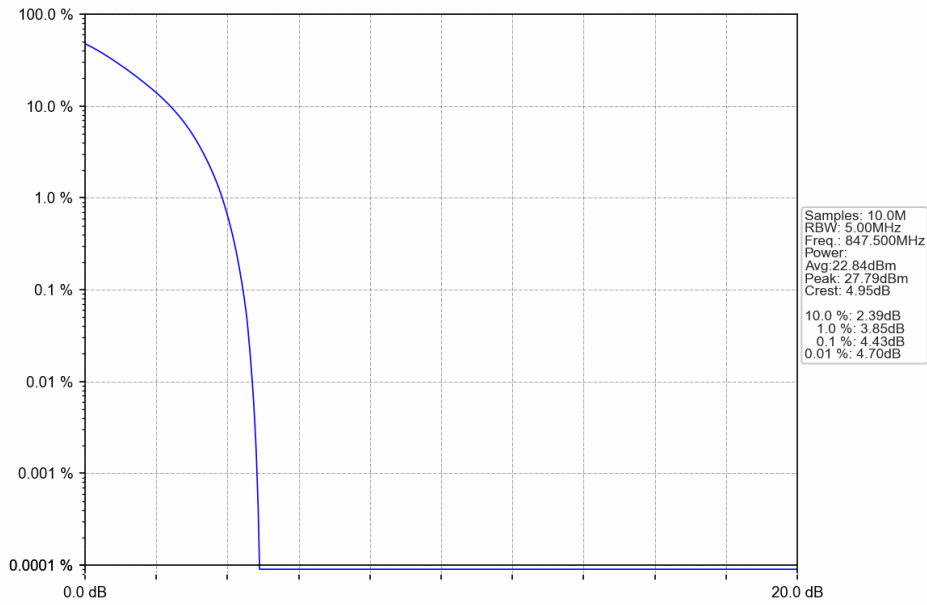
## 5.2.1 Test Result

Band: 5 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	3.65	<=13	Pass
	836.5	15	0	4.81	<=13	Pass
	847.5	15	0	4.43	<=13	Pass
16QAM	825.5	15	0	4.56	<=13	Pass
	836.5	15	0	5.77	<=13	Pass
	847.5	15	0	5.43	<=13	Pass

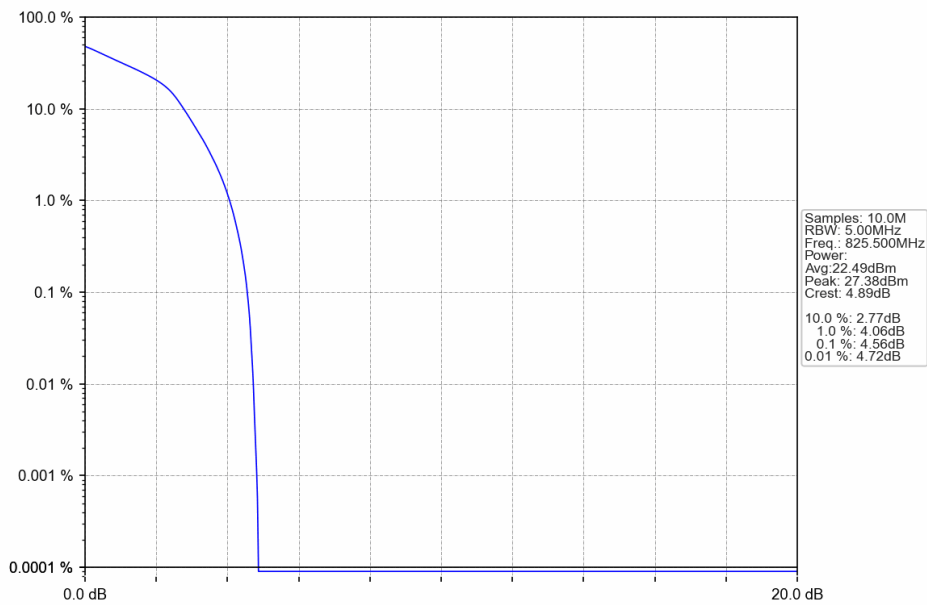
### 5.2.2 Test Graph



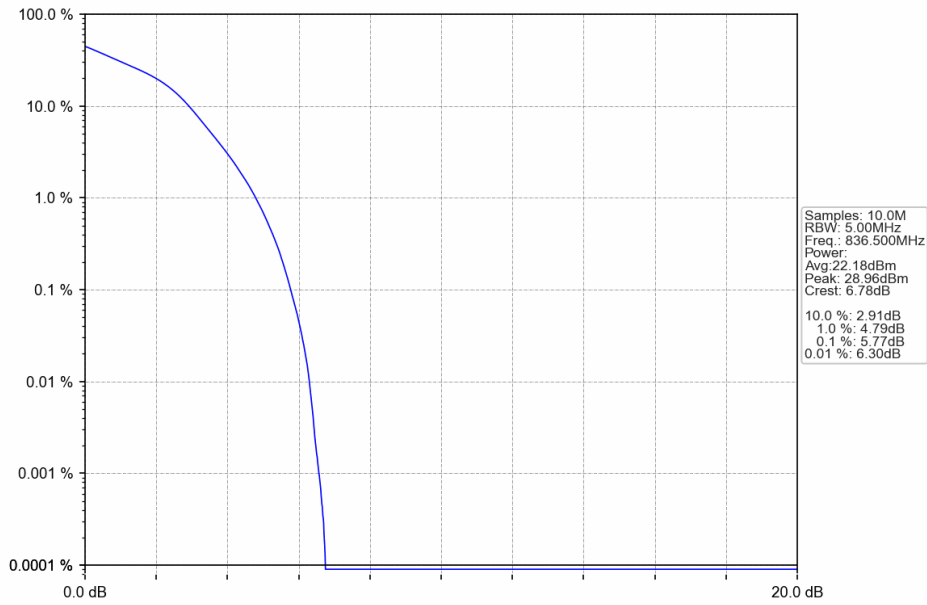
Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



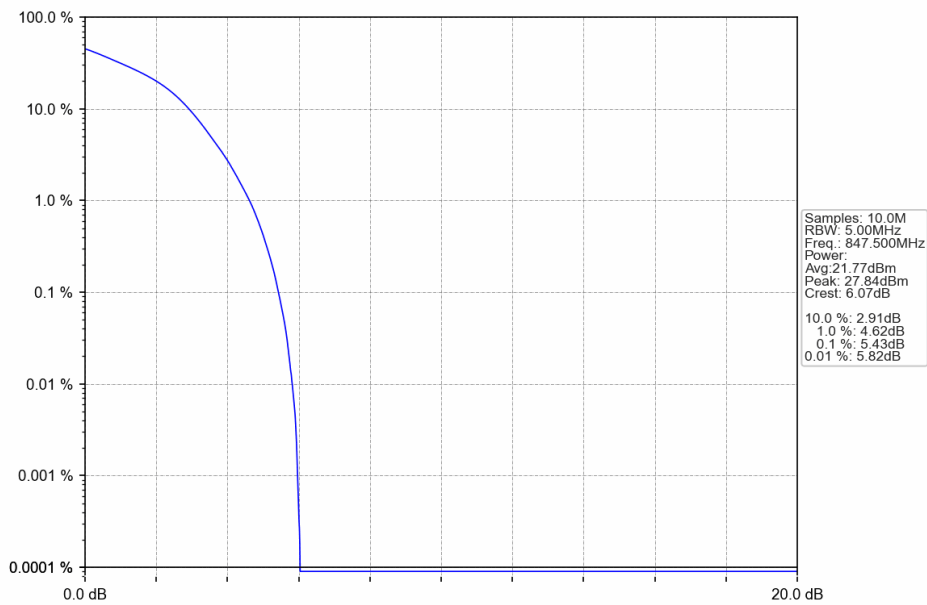
Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



Band5\_3MHz\_16QAM\_MCH\_836.5MHz\_RB\_15\_0\_NTNV



Band5\_3MHz\_16QAM\_HCH\_847.5MHz\_RB\_15\_0\_NTNV

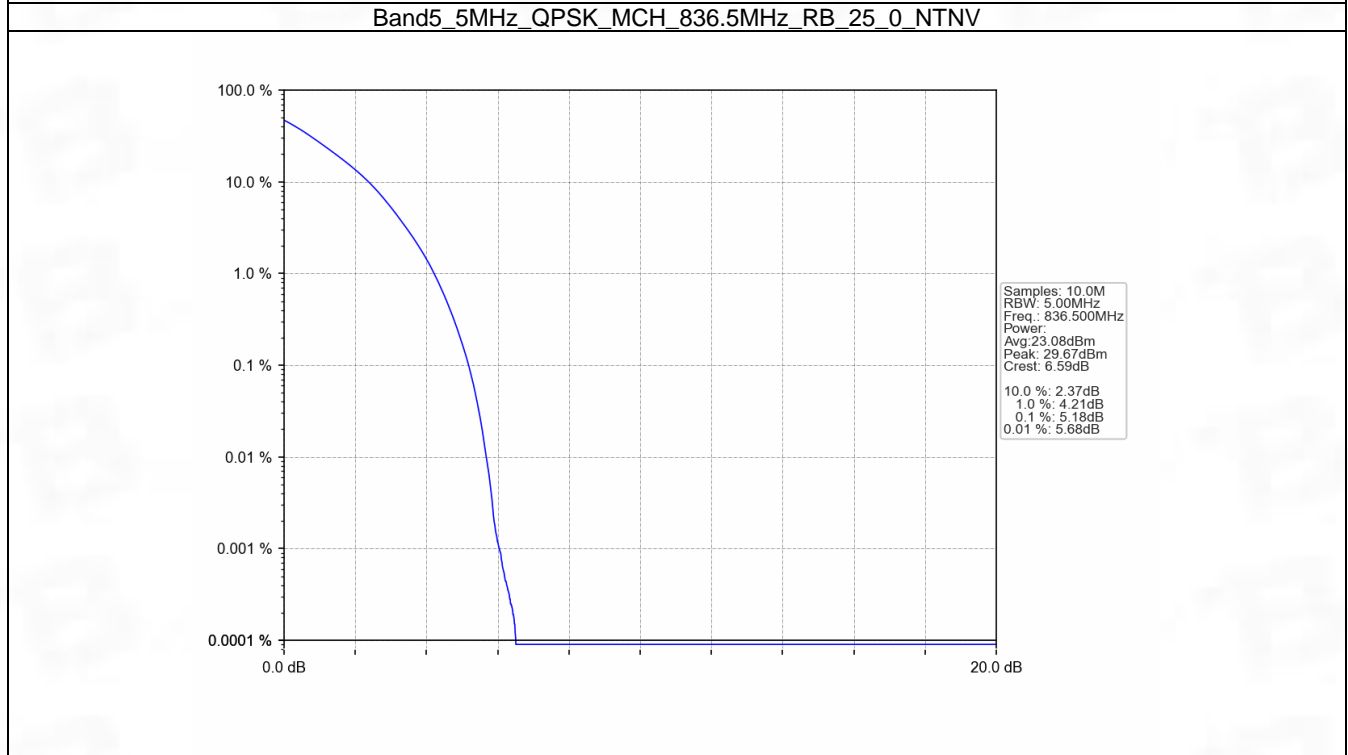
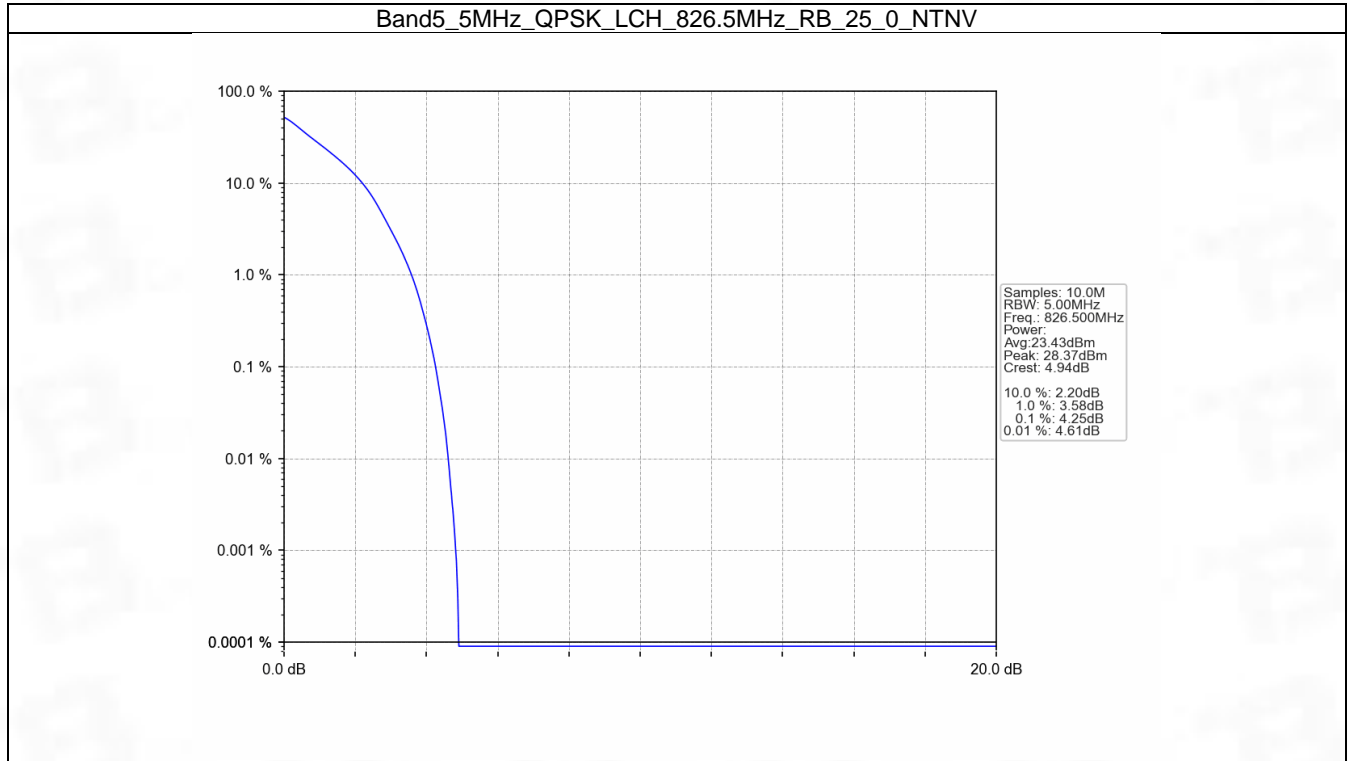


## 5.3 B5\_5MHz

## 5.3.1 Test Result

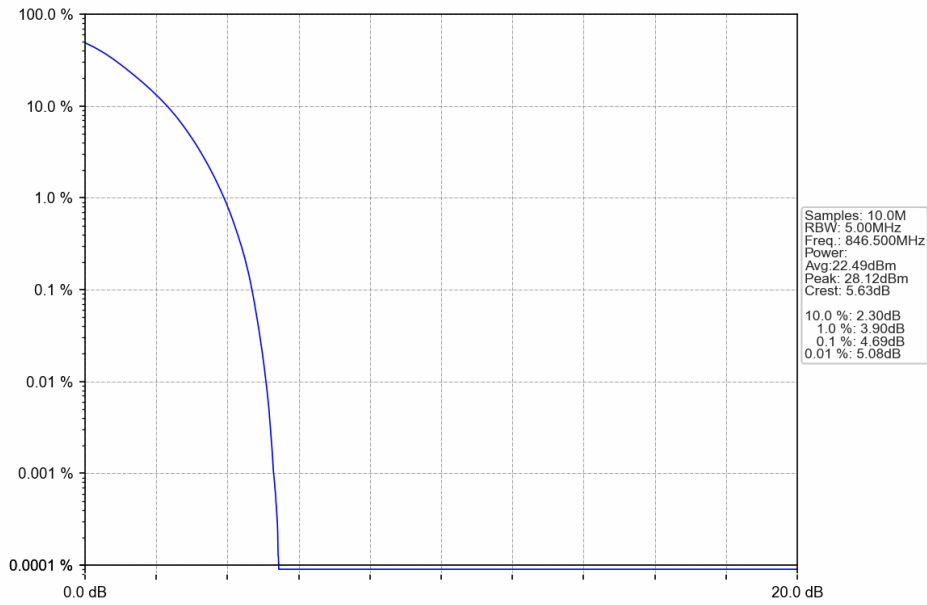
Band: 5 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	4.25	<=13	Pass
	836.5	25	0	5.18	<=13	Pass
	846.5	25	0	4.69	<=13	Pass
16QAM	826.5	25	0	5.00	<=13	Pass
	836.5	25	0	6.01	<=13	Pass
	846.5	25	0	5.52	<=13	Pass

### 5.3.2 Test Graph

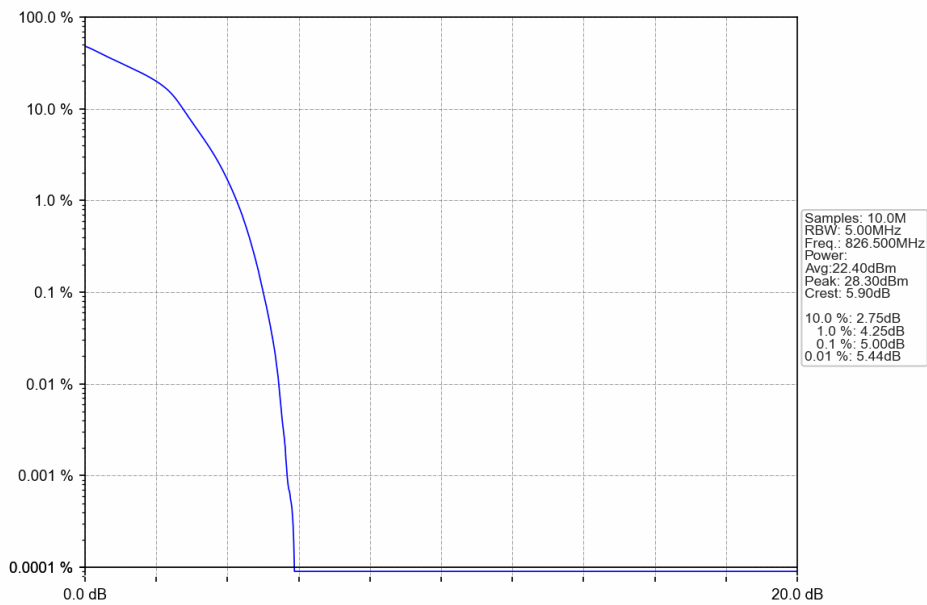




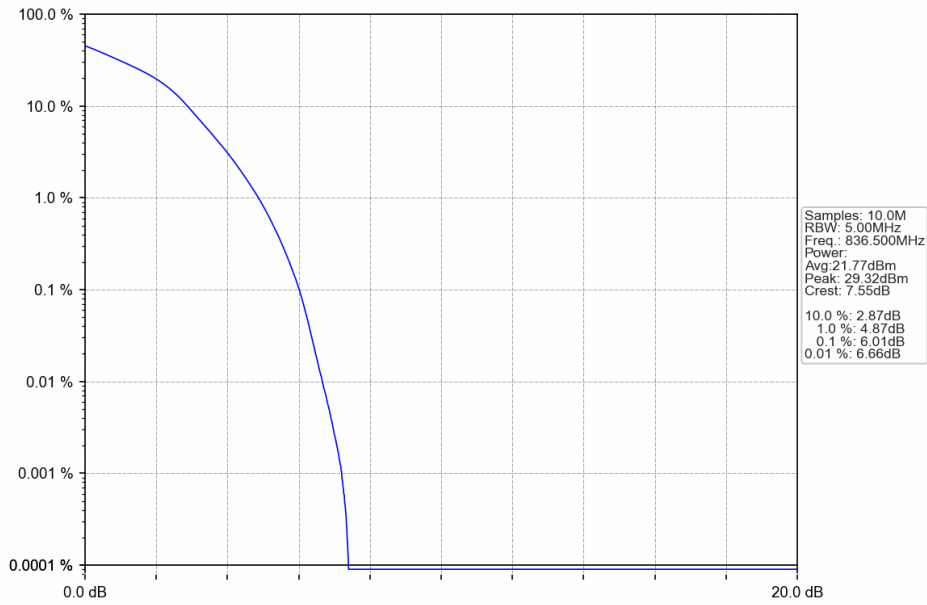
Band5\_5MHz\_QPSK\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



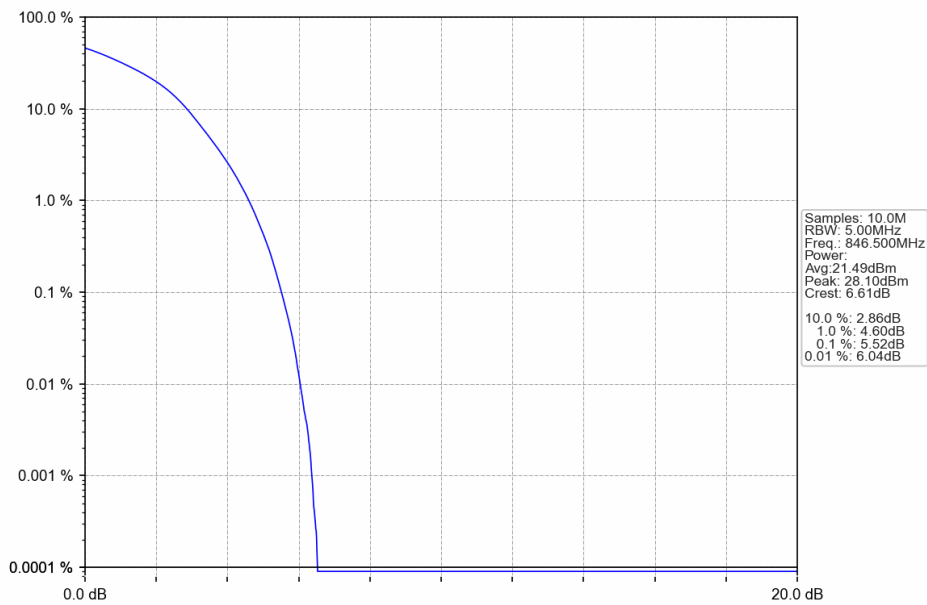
Band5\_5MHz\_16QAM\_LCH\_826.5MHz\_RB\_25\_0\_NTNV



Band5\_5MHz\_16QAM\_MCH\_836.5MHz\_RB\_25\_0\_NTNV



Band5\_5MHz\_16QAM\_HCH\_846.5MHz\_RB\_25\_0\_NTNV



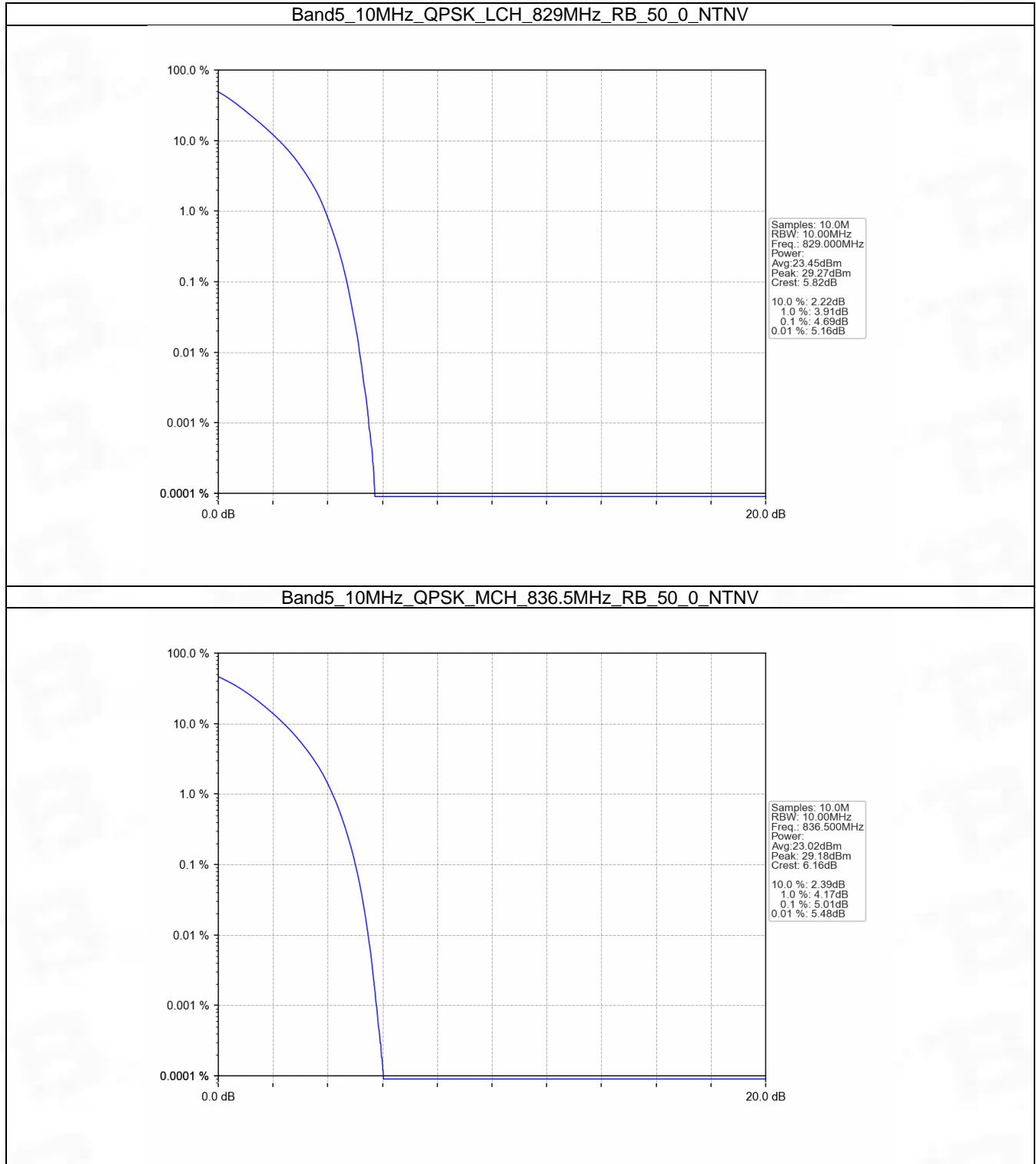


5.4 B5\_10MHz

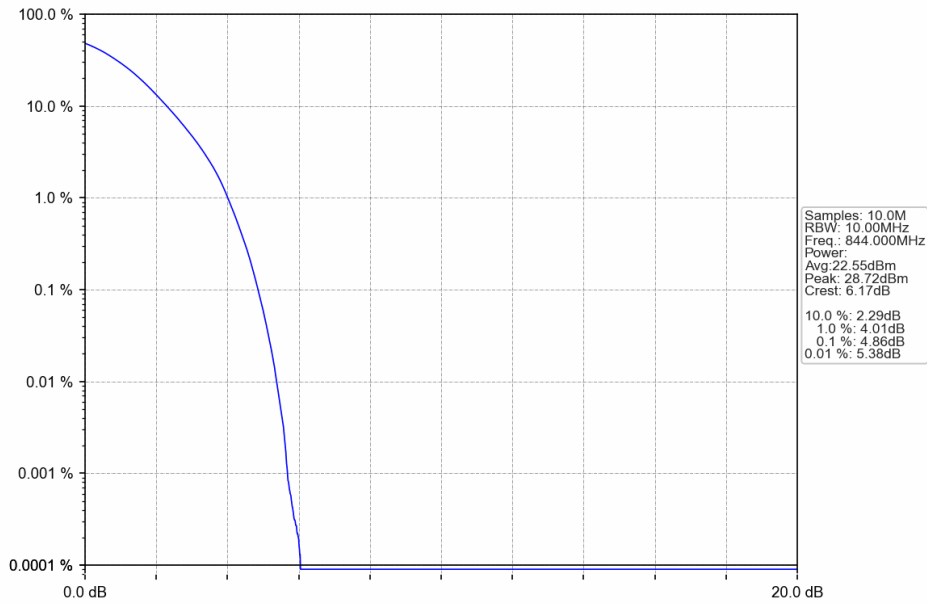
5.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	4.69	<=13	Pass
	836.5	50	0	5.01	<=13	Pass
	844	50	0	4.86	<=13	Pass
16QAM	829	50	0	5.44	<=13	Pass
	836.5	50	0	5.86	<=13	Pass
	844	50	0	5.56	<=13	Pass

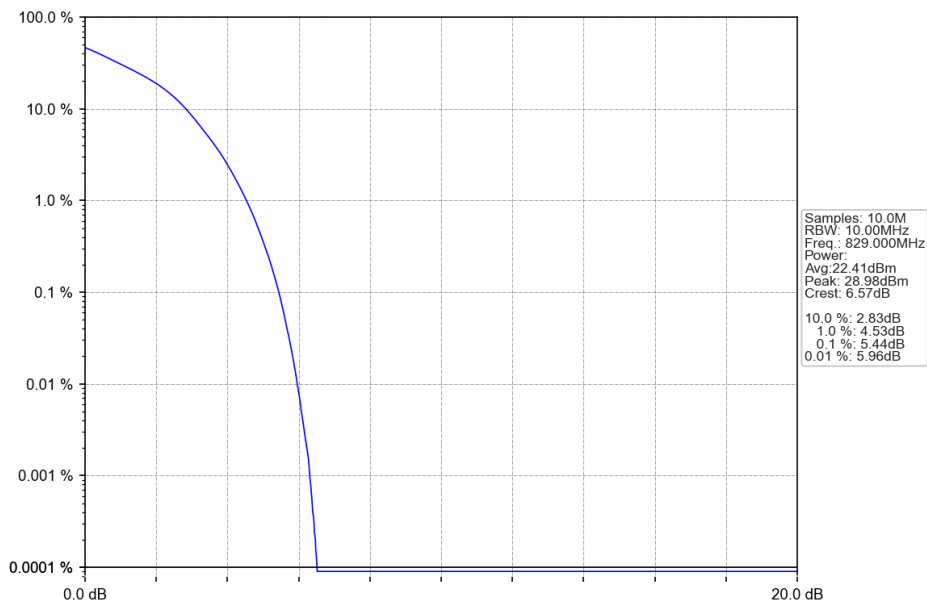
### 5.4.2 Test Graph

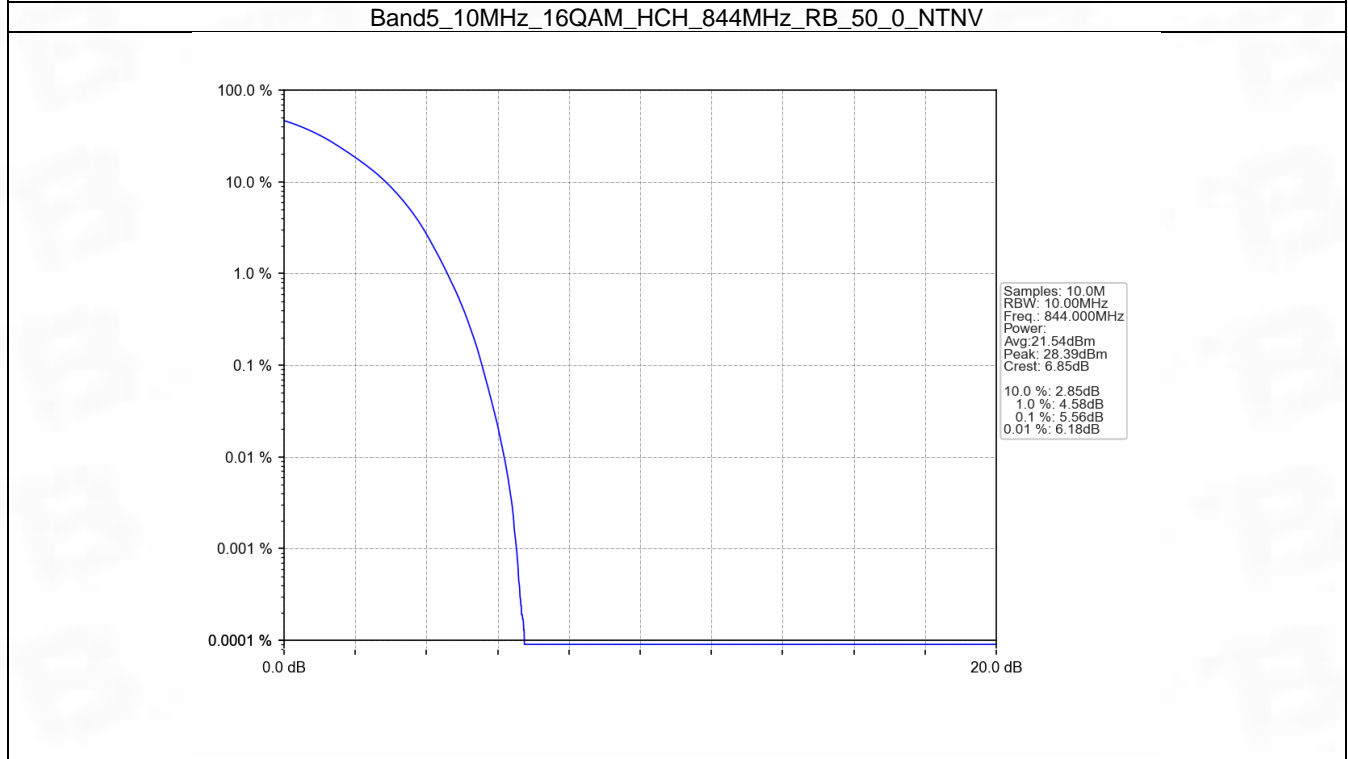
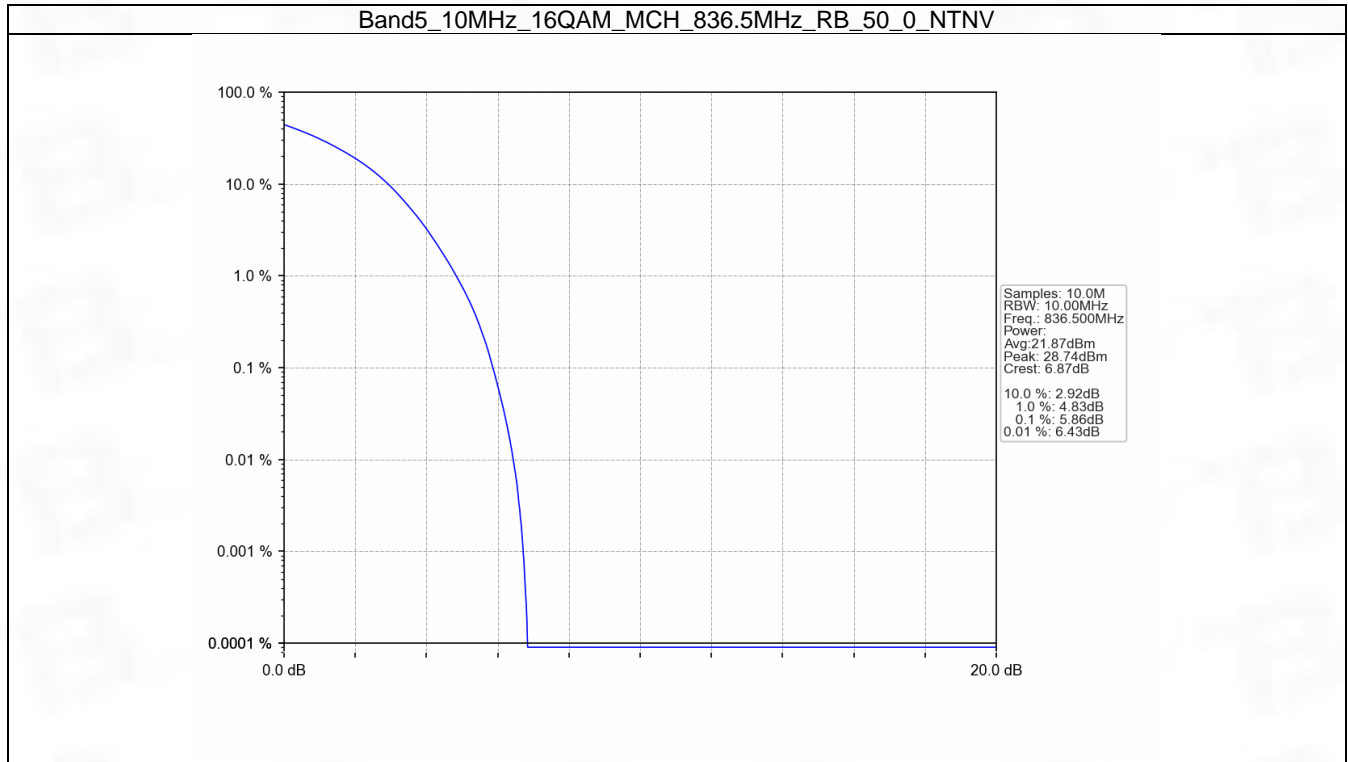


Band5\_10MHz\_QPSK\_HCH\_844MHz\_RB\_50\_0\_NTNV



Band5\_10MHz\_16QAM\_LCH\_829MHz\_RB\_50\_0\_NTNV





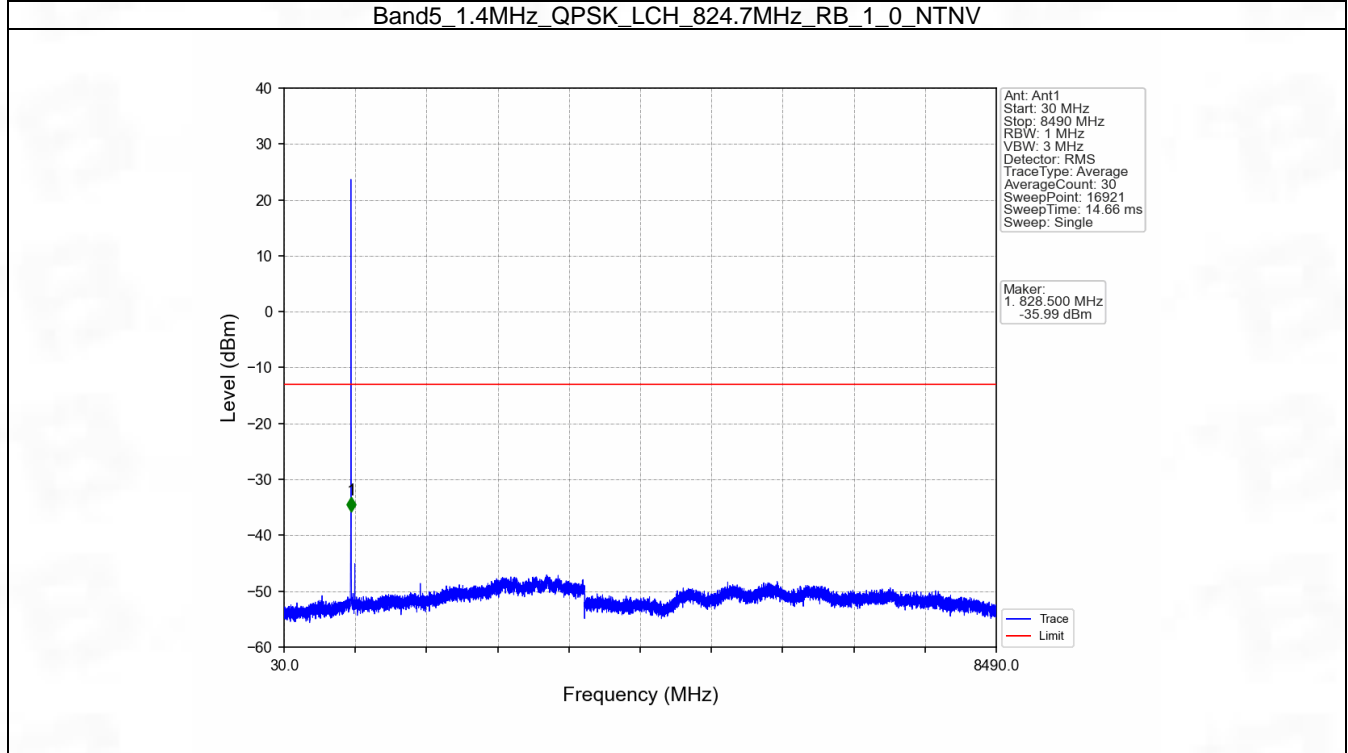
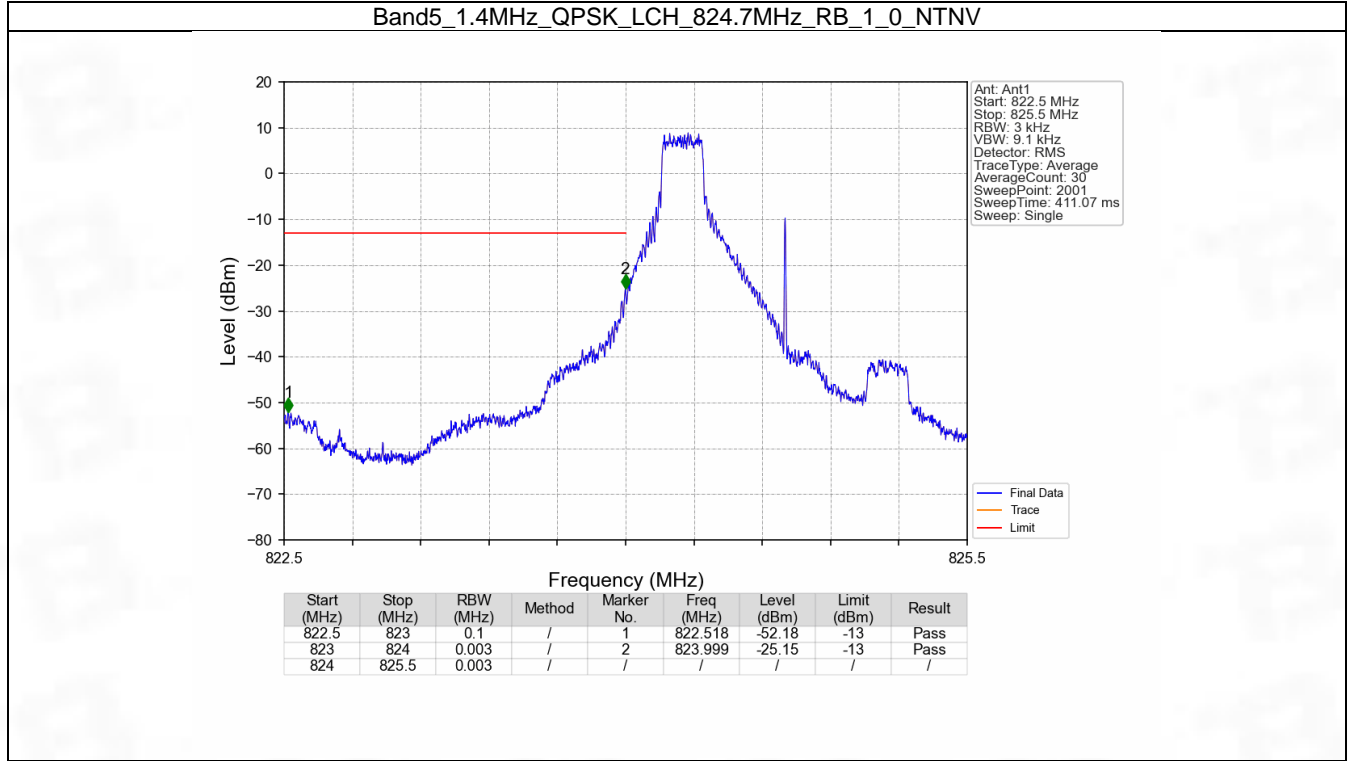
## 6. Spurious Emission

### 6.1 B5\_1.4MHz

#### 6.1.1 Test Result

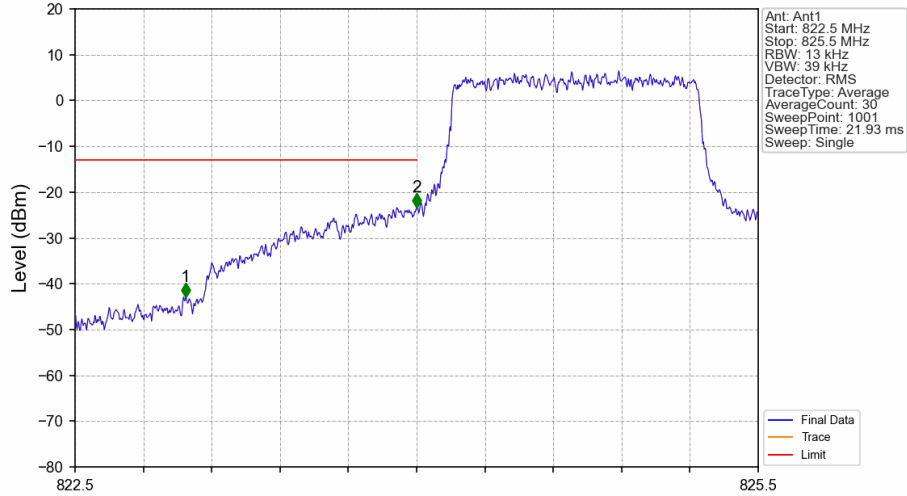
Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
			6	0	Refer To Test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

6.1.2 Test Graph



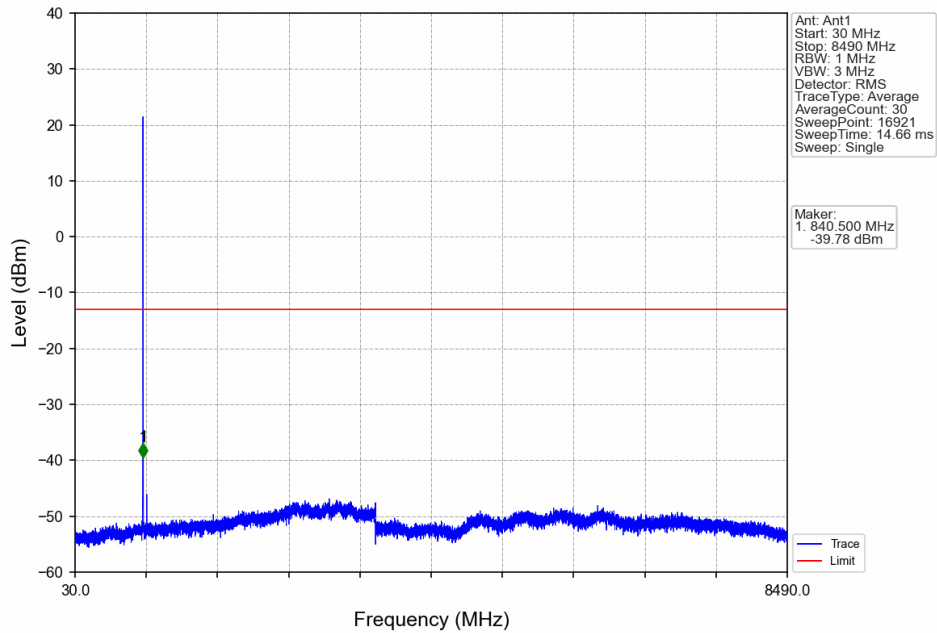


Band5\_1.4MHz\_QPSK\_LCH\_824.7MHz\_RB\_6\_0\_NTNV

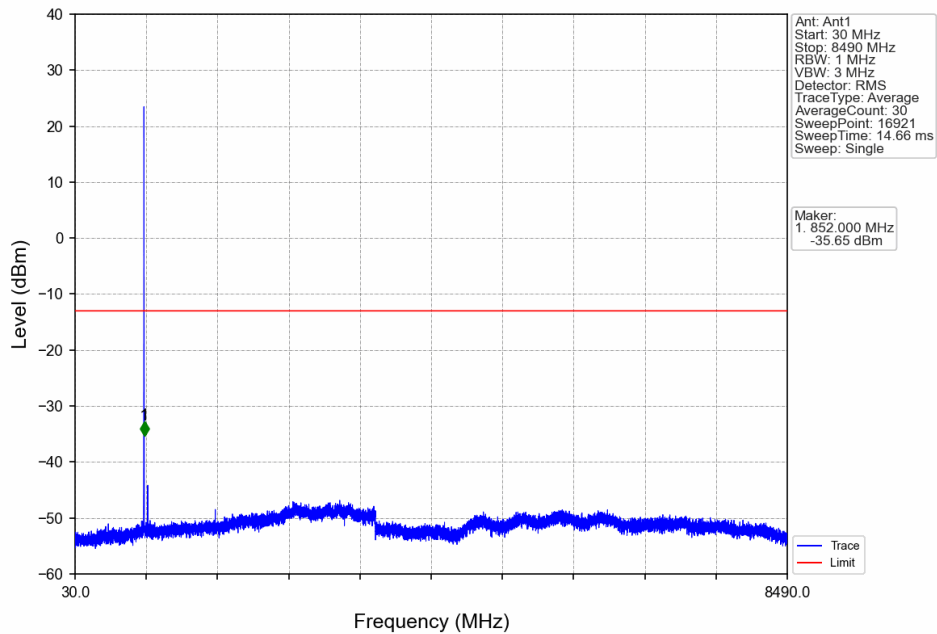


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	/	1	822.986	-42.87	-13	Pass
823	824	0.013	/	2	824.000	-23.31	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

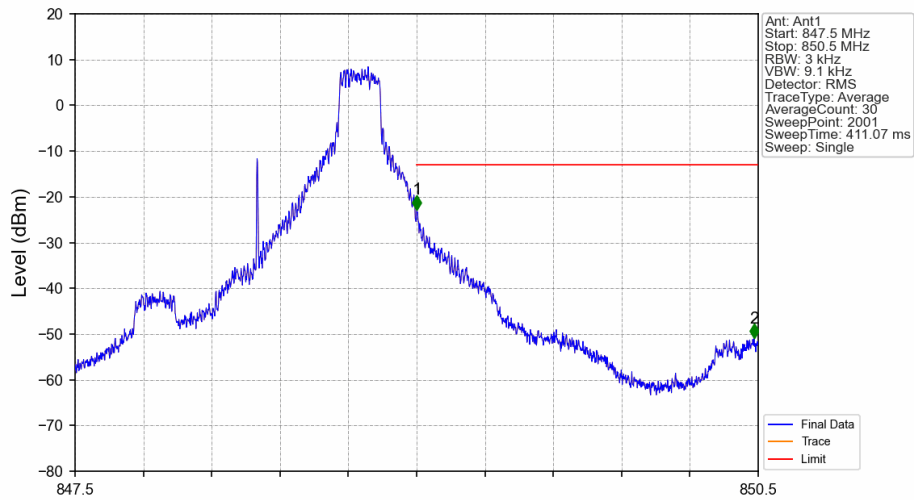
Band5\_1.4MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV



Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_1\_0\_NTNV

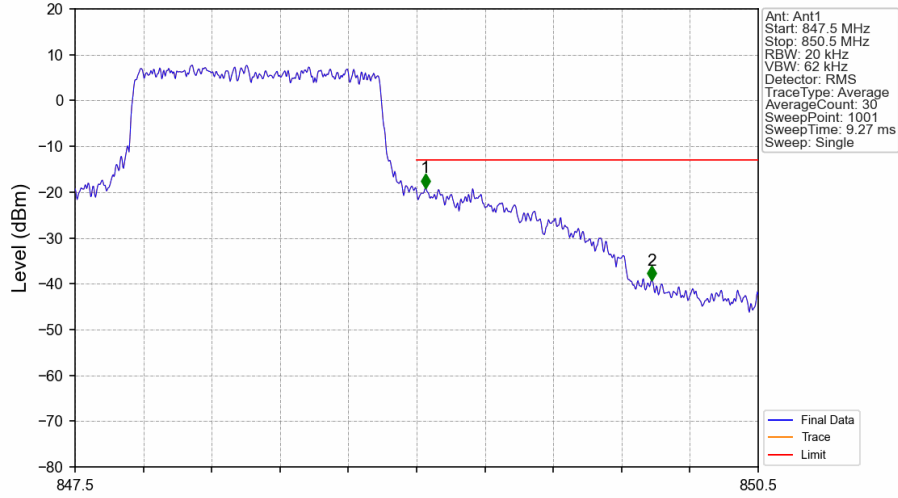


Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_1\_5\_NTNV



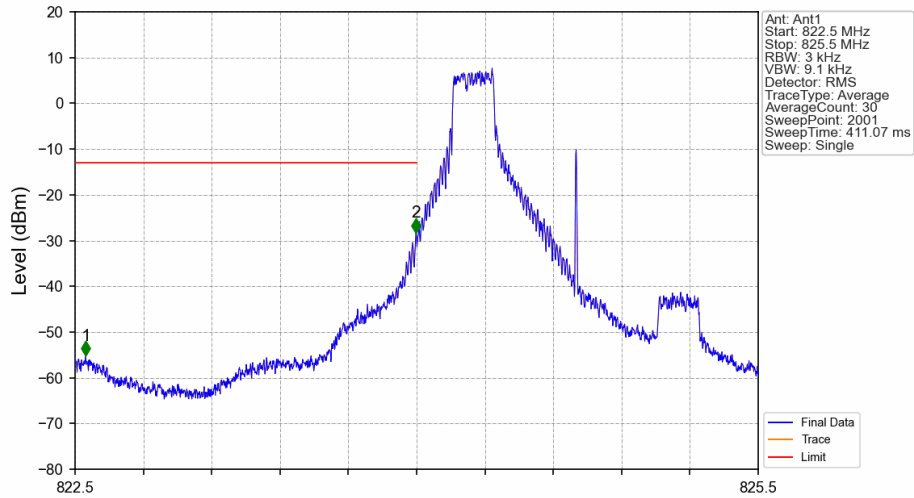
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-22.79	-13	Pass
850	850.5	0.1	/	2	850.482	-50.97	-13	Pass

Band5\_1.4MHz\_QPSK\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



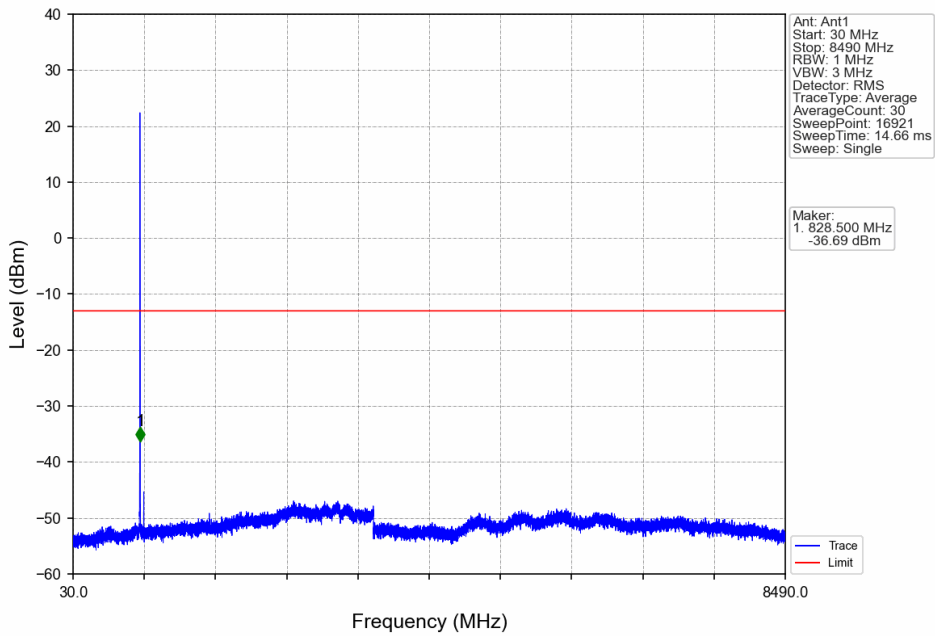
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.02	/	/	/	/	/	/
849	850	0.02	/	1	849.039	-19.07	-13	Pass
850	850.5	0.1	/	2	850.032	-39.27	-13	Pass

Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_1\_0\_NTNV

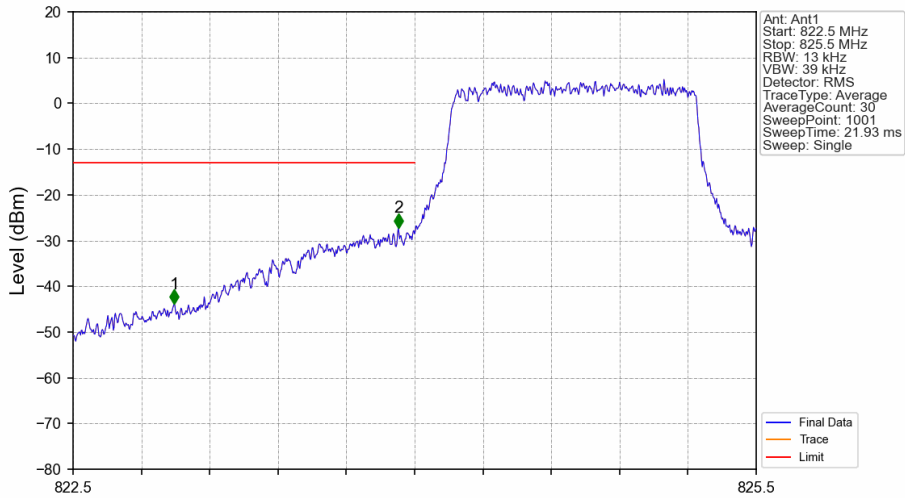


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	/	1	822.547	-55.12	-13	Pass
823	824	0.003	/	2	823.997	-28.23	-13	Pass
824	825.5	0.003	/	/	/	/	/	/

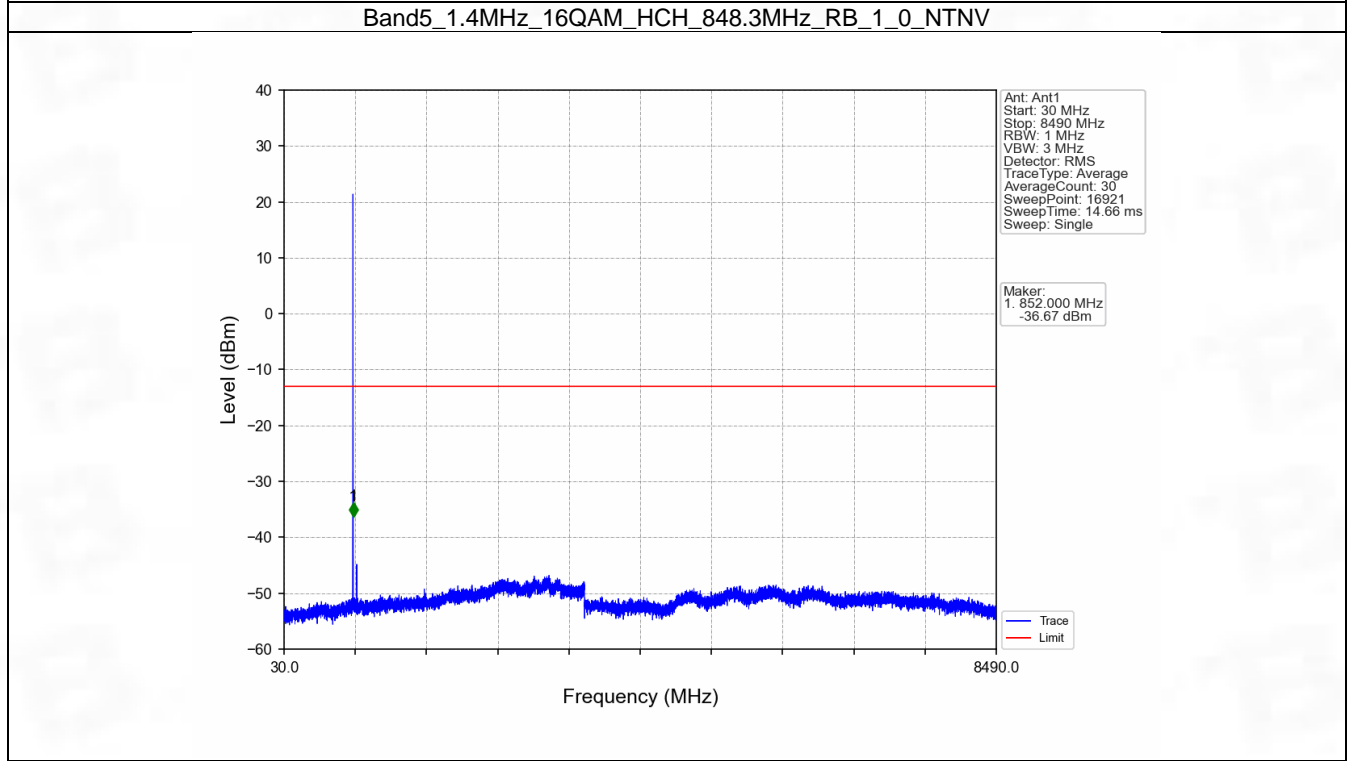
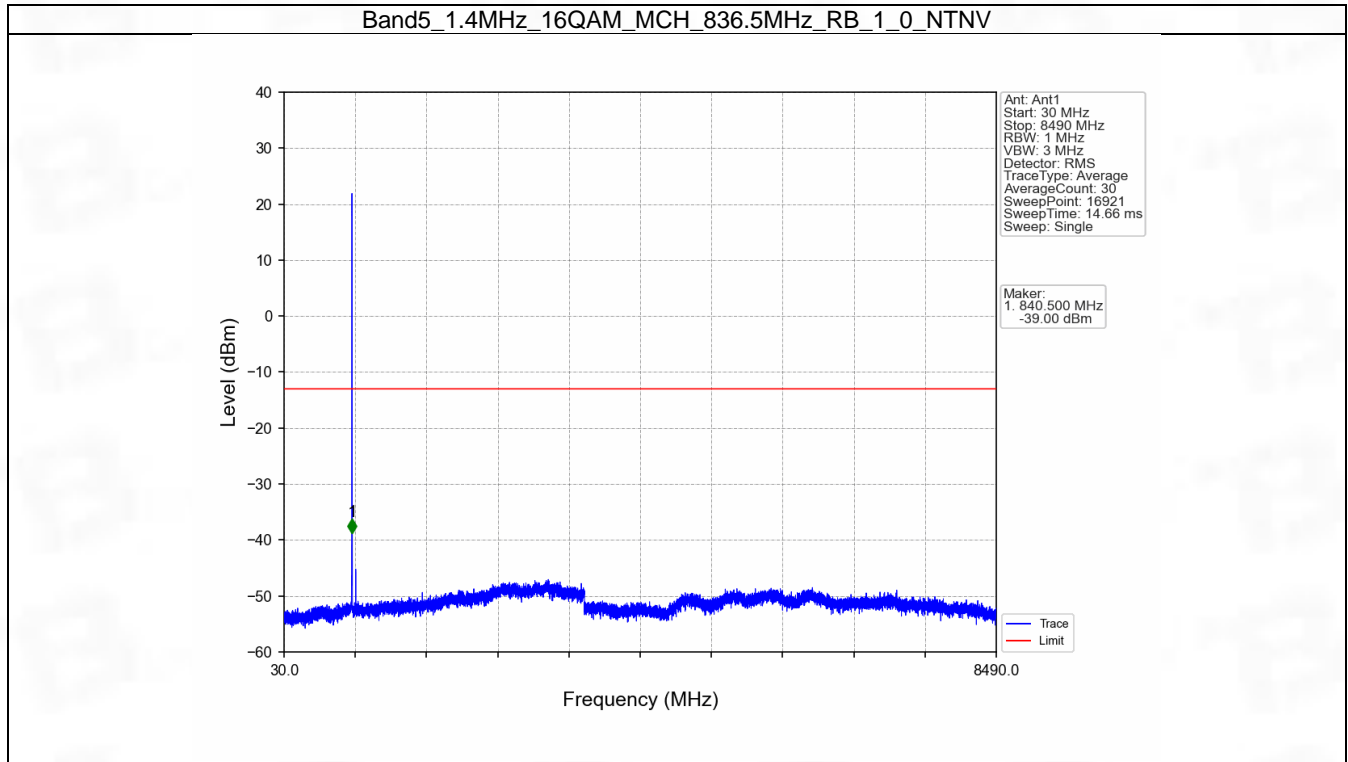
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_1\_0\_NTNV



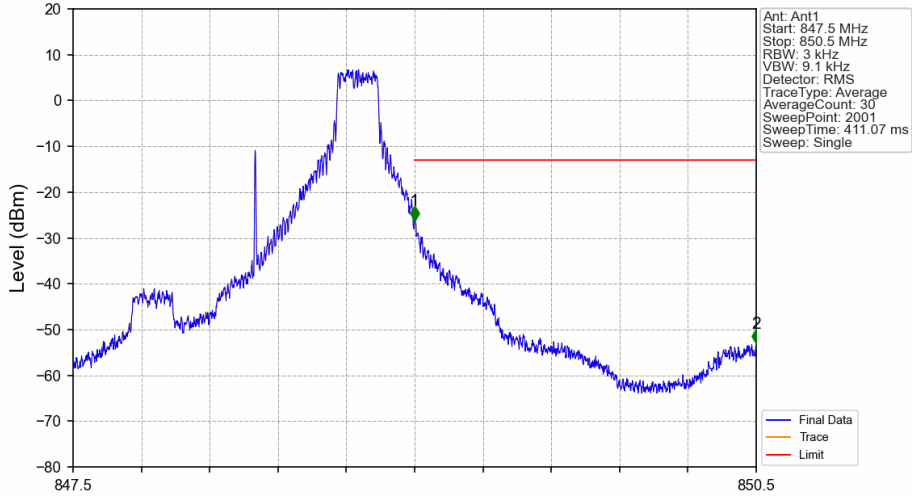
Band5\_1.4MHz\_16QAM\_LCH\_824.7MHz\_RB\_6\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	823	0.1	/	1	822.944	-43.83	-13	Pass
823	824	0.013	/	2	823.928	-27.19	-13	Pass
824	825.5	0.013	/	/	/	/	/	/

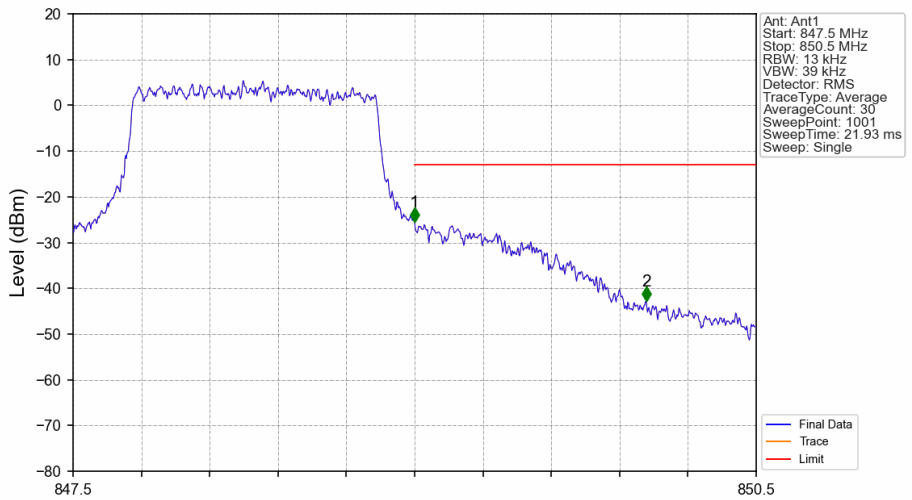


Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_1\_5\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.000	-26.26	-13	Pass
850	850.5	0.1	/	2	850.500	-53.02	-13	Pass

Band5\_1.4MHz\_16QAM\_HCH\_848.3MHz\_RB\_6\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
847.5	849	0.013	/	/	/	/	/	/
849	850	0.013	/	1	849.000	-25.52	-13	Pass
850	850.5	0.1	/	2	850.017	-42.81	-13	Pass

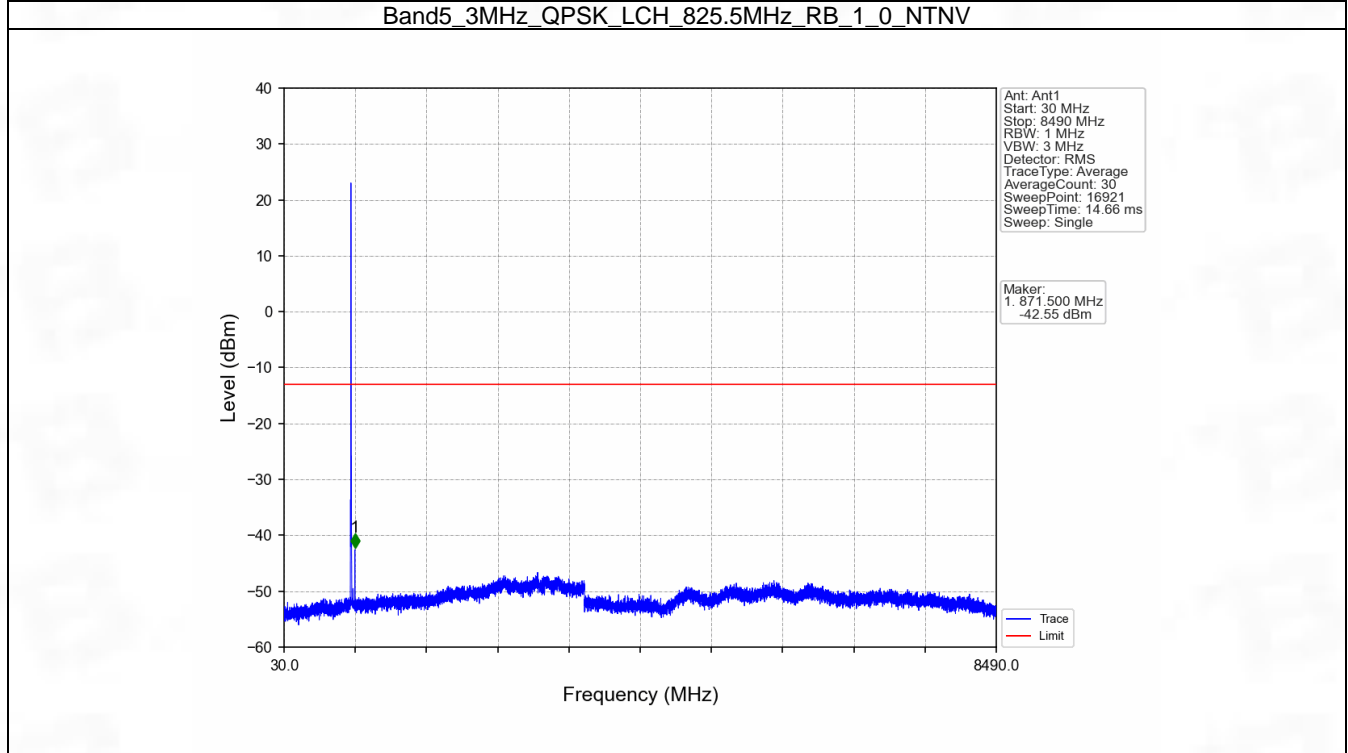
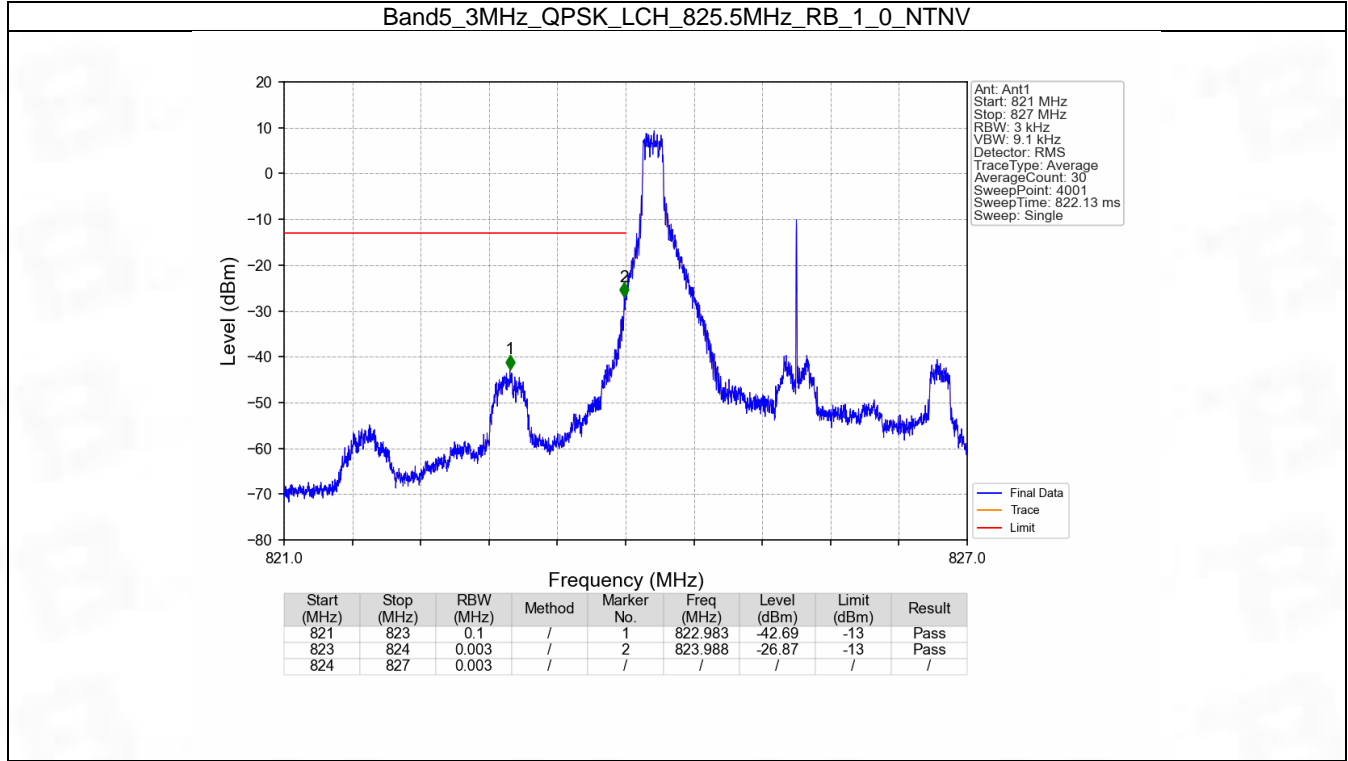


6.2 B5\_3MHz

6.2.1 Test Result

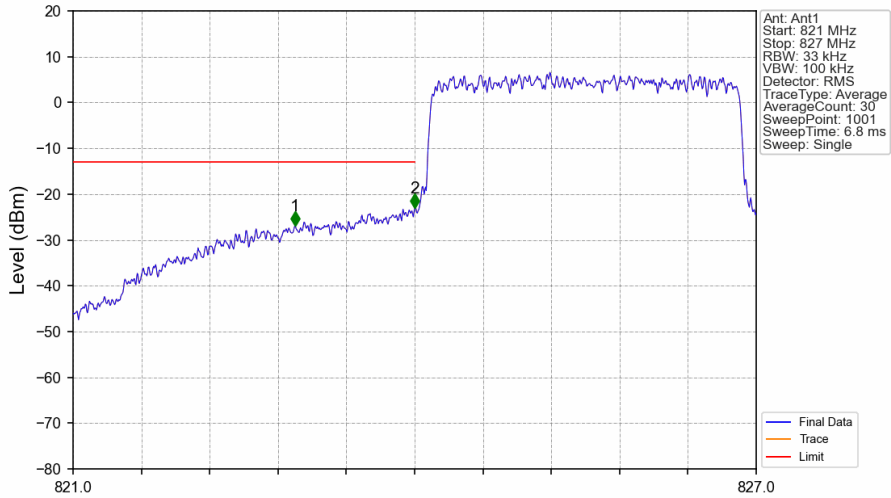
Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
		1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.2.2 Test Graph



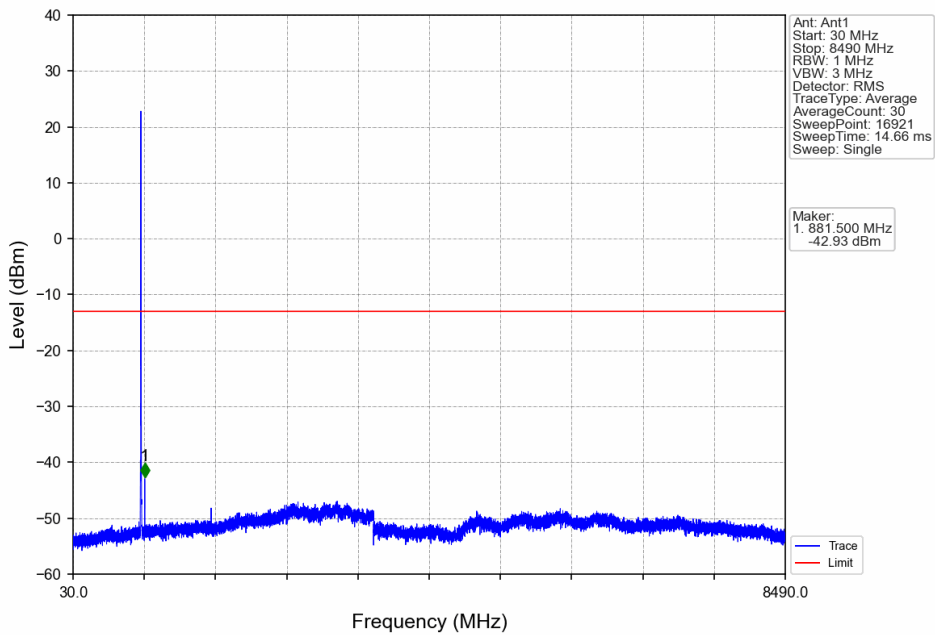


Band5\_3MHz\_QPSK\_LCH\_825.5MHz\_RB\_15\_0\_NTNV



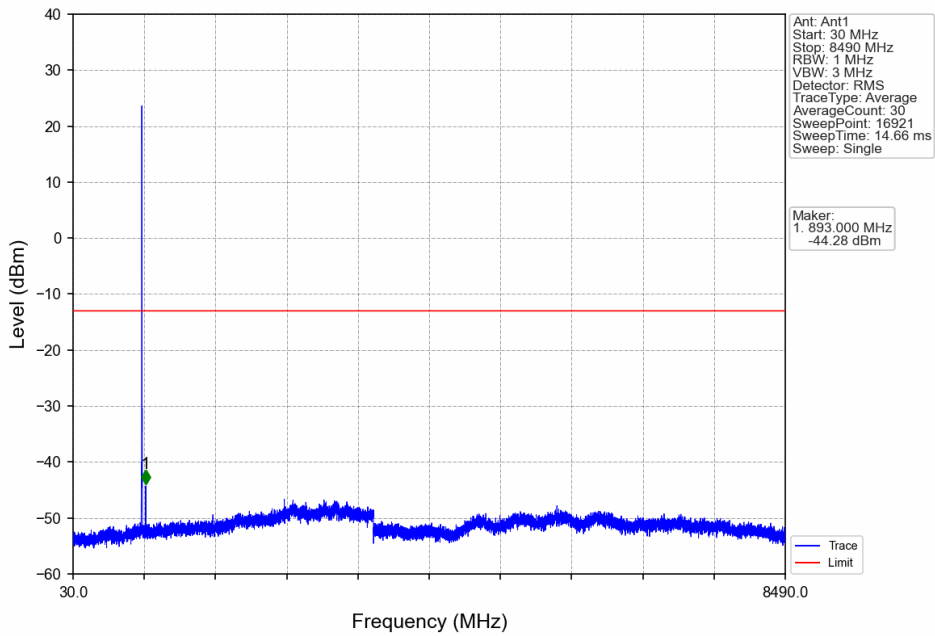
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	/	1	822.950	-26.88	-13	Pass
823	824	0.033	/	2	824.000	-23.09	-13	Pass
824	827	0.033	/	/	/	/	/	/

Band5\_3MHz\_QPSK\_MCH\_836.5MHz\_RB\_1\_0\_NTNV

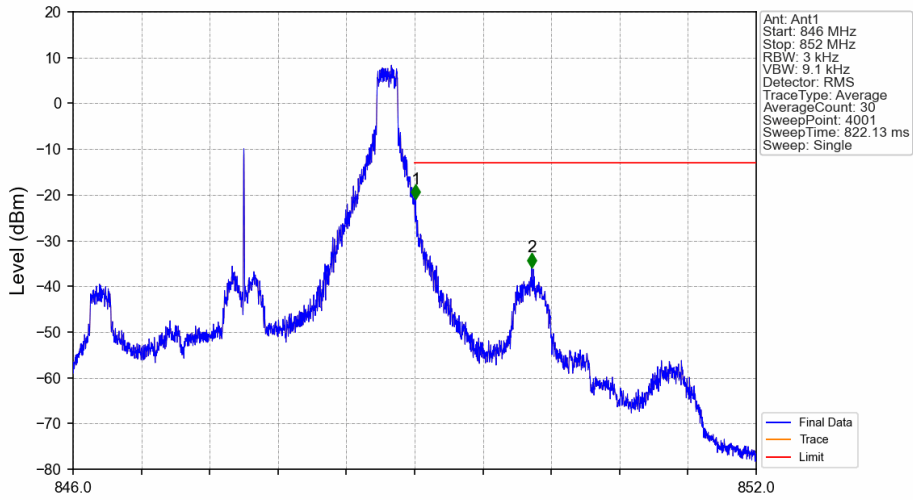


Maker:  
1. 881.500 MHz  
-42.93 dBm

Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_1\_0\_NTNV

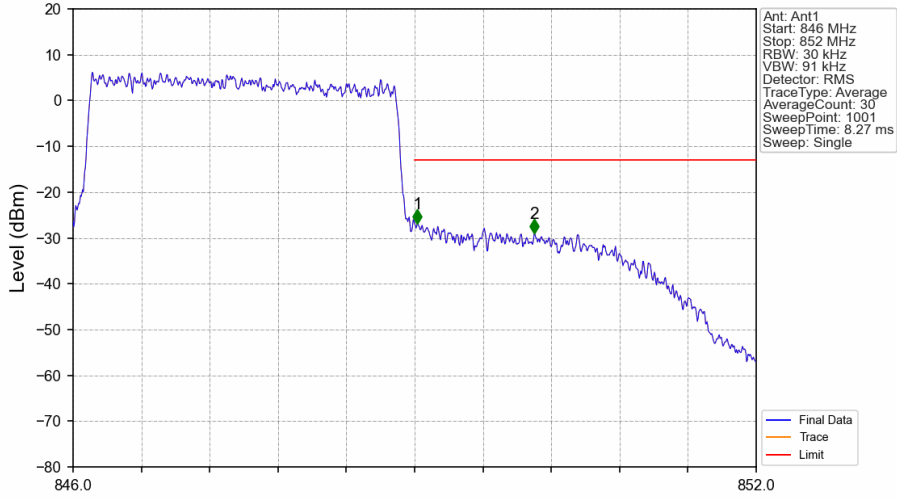


Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_1\_14\_NTNV



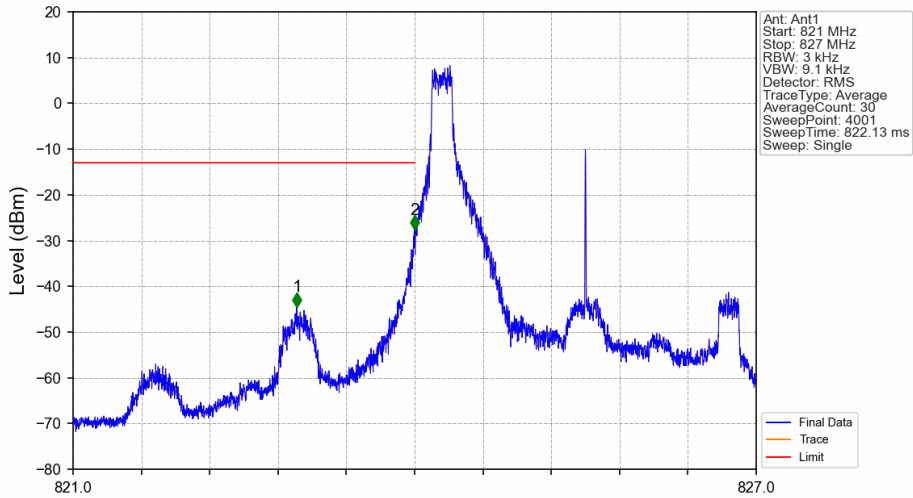
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	1	849.009	-20.90	-13	Pass
849	850	0.003	/	1	849.009	-20.90	-13	Pass
850	852	0.1	/	2	850.029	-35.84	-13	Pass

Band5\_3MHz\_QPSK\_HCH\_847.5MHz\_RB\_15\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.03	/	/	/	/	/	/
849	850	0.03	/	1	849.024	-26.87	-13	Pass
850	852	0.1	/	2	850.050	-29.09	-13	Pass

Band5\_3MHz\_16QAM\_LCH\_825.5MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	/	/	/	/	/	/
821	823	0.1	/	1	822.965	-44.47	-13	Pass
823	824	0.003	/	2	824.000	-27.67	-13	Pass
824	827	0.003	/	/	/	/	/	/