

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	21.94	1.28	21.07	<=38.45	Pass
			2	22.30	1.28	21.43	<=38.45	Pass
			5	22.21	1.28	21.34	<=38.45	Pass
		3	0	21.82	1.28	20.95	<=38.45	Pass
			2	21.98	1.28	21.11	<=38.45	Pass
			3	22.00	1.28	21.13	<=38.45	Pass
		6	0	21.22	1.28	20.35	<=38.45	Pass
	836.5	1	0	21.87	1.28	21.00	<=38.45	Pass
			2	21.94	1.28	21.07	<=38.45	Pass
			5	21.89	1.28	21.02	<=38.45	Pass
		3	0	21.87	1.28	21.00	<=38.45	Pass
			2	21.94	1.28	21.07	<=38.45	Pass
			3	21.90	1.28	21.03	<=38.45	Pass
	6	0	21.03	1.28	20.16	<=38.45	Pass	
	848.3	1	0	21.58	1.28	20.71	<=38.45	Pass
			2	21.82	1.28	20.95	<=38.45	Pass
			5	21.66	1.28	20.79	<=38.45	Pass
		3	0	21.58	1.28	20.71	<=38.45	Pass
			2	21.72	1.28	20.85	<=38.45	Pass
			3	21.86	1.28	20.99	<=38.45	Pass
	6	0	20.78	1.28	19.91	<=38.45	Pass	
16QAM	824.7	1	0	21.14	1.28	20.27	<=38.45	Pass
			2	21.17	1.28	20.30	<=38.45	Pass
			5	21.17	1.28	20.30	<=38.45	Pass
		3	0	21.14	1.28	20.27	<=38.45	Pass
			2	21.19	1.28	20.32	<=38.45	Pass
			3	21.18	1.28	20.31	<=38.45	Pass
		6	0	20.12	1.28	19.25	<=38.45	Pass
	836.5	1	0	20.94	1.28	20.07	<=38.45	Pass
			2	20.73	1.28	19.86	<=38.45	Pass
			5	20.73	1.28	19.86	<=38.45	Pass
		3	0	20.97	1.28	20.10	<=38.45	Pass
			2	21.02	1.28	20.15	<=38.45	Pass
			3	20.96	1.28	20.09	<=38.45	Pass
	6	0	19.92	1.28	19.05	<=38.45	Pass	
	848.3	1	0	20.65	1.28	19.78	<=38.45	Pass
			2	20.82	1.28	19.95	<=38.45	Pass
			5	20.71	1.28	19.84	<=38.45	Pass
		3	0	20.73	1.28	19.86	<=38.45	Pass
2			20.81	1.28	19.94	<=38.45	Pass	
3			20.77	1.28	19.90	<=38.45	Pass	
6		0	19.51	1.28	18.64	<=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	22.00	1.28	21.13	<=38.45	Pass
			7	22.23	1.28	21.36	<=38.45	Pass
			14	22.11	1.28	21.24	<=38.45	Pass
		8	0	21.30	1.28	20.43	<=38.45	Pass
			4	21.26	1.28	20.39	<=38.45	Pass
			7	21.25	1.28	20.38	<=38.45	Pass
		15	0	21.21	1.28	20.34	<=38.45	Pass
	836.5	1	0	21.98	1.28	21.11	<=38.45	Pass
			7	22.16	1.28	21.29	<=38.45	Pass
			14	22.06	1.28	21.19	<=38.45	Pass
		8	0	21.04	1.28	20.17	<=38.45	Pass
			4	21.01	1.28	20.14	<=38.45	Pass
			7	21.08	1.28	20.21	<=38.45	Pass
		15	0	21.07	1.28	20.20	<=38.45	Pass
	847.5	1	0	21.66	1.28	20.79	<=38.45	Pass
			7	21.93	1.28	21.06	<=38.45	Pass
			14	21.78	1.28	20.91	<=38.45	Pass
		8	0	20.78	1.28	19.91	<=38.45	Pass
			4	20.77	1.28	19.90	<=38.45	Pass
			7	20.75	1.28	19.88	<=38.45	Pass
		15	0	20.81	1.28	19.94	<=38.45	Pass
16QAM	825.5	1	0	21.06	1.28	20.19	<=38.45	Pass
			7	21.23	1.28	20.36	<=38.45	Pass
			14	21.16	1.28	20.29	<=38.45	Pass
		8	0	20.31	1.28	19.44	<=38.45	Pass
			4	20.27	1.28	19.40	<=38.45	Pass
			7	20.24	1.28	19.37	<=38.45	Pass
		15	0	20.21	1.28	19.34	<=38.45	Pass
	836.5	1	0	21.48	1.28	20.61	<=38.45	Pass
			7	21.68	1.28	20.81	<=38.45	Pass
			14	21.55	1.28	20.68	<=38.45	Pass
		8	0	20.26	1.28	19.39	<=38.45	Pass
			4	19.87	1.28	19.00	<=38.45	Pass
			7	19.93	1.28	19.06	<=38.45	Pass
		15	0	19.91	1.28	19.04	<=38.45	Pass
	847.5	1	0	21.49	1.28	20.62	<=38.45	Pass
			7	21.08	1.28	20.21	<=38.45	Pass
			14	21.03	1.28	20.16	<=38.45	Pass
		8	0	19.60	1.28	18.73	<=38.45	Pass
			4	19.81	1.28	18.94	<=38.45	Pass
			7	19.77	1.28	18.90	<=38.45	Pass
		15	0	19.74	1.28	18.87	<=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	RB Allocation	Conducted Power	Gain	ERP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit		
QPSK	826.5	1	0	22.01	1.28	21.14	<=38.45	Pass	
			13	22.05	1.28	21.18	<=38.45	Pass	
			24	22.15	1.28	21.28	<=38.45	Pass	
		12	0	21.29	1.28	20.42	<=38.45	Pass	
			6	21.26	1.28	20.39	<=38.45	Pass	
			13	21.33	1.28	20.46	<=38.45	Pass	
		25	0	21.21	1.28	20.34	<=38.45	Pass	
		836.5	1	0	21.69	1.28	20.82	<=38.45	Pass
				13	21.99	1.28	21.12	<=38.45	Pass
	24			21.70	1.28	20.83	<=38.45	Pass	
	12		0	20.98	1.28	20.11	<=38.45	Pass	
			6	20.99	1.28	20.12	<=38.45	Pass	
			13	20.96	1.28	20.09	<=38.45	Pass	
	25		0	21.02	1.28	20.15	<=38.45	Pass	
	846.5		1	0	21.72	1.28	20.85	<=38.45	Pass
				13	21.90	1.28	21.03	<=38.45	Pass
		24		21.90	1.28	21.03	<=38.45	Pass	
		12	0	20.90	1.28	20.03	<=38.45	Pass	
			6	20.95	1.28	20.08	<=38.45	Pass	
			13	20.87	1.28	20.00	<=38.45	Pass	
		25	0	20.77	1.28	19.90	<=38.45	Pass	
16QAM		826.5	1	0	21.12	1.28	20.25	<=38.45	Pass
				13	21.41	1.28	20.54	<=38.45	Pass
	24			21.39	1.28	20.52	<=38.45	Pass	
	12		0	20.06	1.28	19.19	<=38.45	Pass	
			6	20.12	1.28	19.25	<=38.45	Pass	
			13	20.18	1.28	19.31	<=38.45	Pass	
	25		0	20.22	1.28	19.35	<=38.45	Pass	
	836.5		1	0	20.24	1.28	19.37	<=38.45	Pass
				13	20.61	1.28	19.74	<=38.45	Pass
		24		20.42	1.28	19.55	<=38.45	Pass	
		12	0	19.99	1.28	19.12	<=38.45	Pass	
			6	20.02	1.28	19.15	<=38.45	Pass	
			13	19.97	1.28	19.10	<=38.45	Pass	
		25	0	19.87	1.28	19.00	<=38.45	Pass	
		846.5	1	0	20.67	1.28	19.80	<=38.45	Pass
				13	20.59	1.28	19.72	<=38.45	Pass
	24			20.64	1.28	19.77	<=38.45	Pass	
	12		0	19.68	1.28	18.81	<=38.45	Pass	
			6	19.80	1.28	18.93	<=38.45	Pass	
			13	19.77	1.28	18.90	<=38.45	Pass	
	25		0	19.70	1.28	18.83	<=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	21.97	1.28	21.10	<=38.45	Pass
			25	22.12	1.28	21.25	<=38.45	Pass
			49	22.02	1.28	21.15	<=38.45	Pass
		25	0	21.20	1.28	20.33	<=38.45	Pass
			13	21.21	1.28	20.34	<=38.45	Pass
			25	21.15	1.28	20.28	<=38.45	Pass
		50	0	21.12	1.28	20.25	<=38.45	Pass
	836.5	1	0	22.22	1.28	21.35	<=38.45	Pass

			25	22.32	1.28	21.45	<=38.45	Pass
			49	21.75	1.28	20.88	<=38.45	Pass
			0	21.13	1.28	20.26	<=38.45	Pass
		25	13	21.06	1.28	20.19	<=38.45	Pass
			25	21.02	1.28	20.15	<=38.45	Pass
			50	0	21.07	1.28	20.20	<=38.45
	844	1	0	21.74	1.28	20.87	<=38.45	Pass
			25	21.89	1.28	21.02	<=38.45	Pass
			49	21.63	1.28	20.76	<=38.45	Pass
		25	0	20.92	1.28	20.05	<=38.45	Pass
			13	20.93	1.28	20.06	<=38.45	Pass
			25	20.96	1.28	20.09	<=38.45	Pass
	50	0	20.98	1.28	20.11	<=38.45	Pass	
16QAM	829	1	0	21.11	1.28	20.24	<=38.45	Pass
			25	20.97	1.28	20.10	<=38.45	Pass
			49	20.79	1.28	19.92	<=38.45	Pass
		25	0	20.26	1.28	19.39	<=38.45	Pass
			13	20.22	1.28	19.35	<=38.45	Pass
			25	20.18	1.28	19.31	<=38.45	Pass
		50	0	20.12	1.28	19.25	<=38.45	Pass
	836.5	1	0	21.47	1.28	20.60	<=38.45	Pass
			25	21.82	1.28	20.95	<=38.45	Pass
			49	21.31	1.28	20.44	<=38.45	Pass
		25	0	20.21	1.28	19.34	<=38.45	Pass
			13	20.15	1.28	19.28	<=38.45	Pass
			25	19.94	1.28	19.07	<=38.45	Pass
		50	0	20.06	1.28	19.19	<=38.45	Pass
	844	1	0	20.50	1.28	19.63	<=38.45	Pass
			25	21.38	1.28	20.51	<=38.45	Pass
			49	21.21	1.28	20.34	<=38.45	Pass
		25	0	19.90	1.28	19.03	<=38.45	Pass
			13	19.97	1.28	19.10	<=38.45	Pass
			25	19.81	1.28	18.94	<=38.45	Pass
		50	0	19.84	1.28	18.97	<=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	-1.559	-0.0019	-2.5 to 2.5	Pass
					3.85	-0.286	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.901	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.988	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.704	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-1.917	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-1.974	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-1.645	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-0.830	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.601	-0.0007	-2.5 to 2.5	Pass

					4.43	-0.515	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
				0	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.287	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.744	-0.0009	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-0.300	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.386	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				50	3.85	0.401	0.0005	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-1.431	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.473	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.687	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.945	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-2.303	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.860	-0.0023	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-1.001	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.373	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-1.130	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.687	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.629	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-0.916	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.202	-0.0014	-2.5 to 2.5	Pass
					4.43	0.830	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.687	0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.544	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.216	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass

2.2 B5_3MHz

2.2.1 Test Result

Band: 5 / Bandwidth: 3MHz								
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict	

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	825.5	15	0	20	3.27	-0.043	-0.0001	-2.5 to 2.5	Pass
					3.85	1.059	0.0013	-2.5 to 2.5	Pass
					4.43	-0.372	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-0.515	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.359	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.443	0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.358	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.973	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-0.772	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.046	-0.0024	-2.5 to 2.5	Pass
					4.43	-1.674	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.202	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.302	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.616	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-1.388	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-2.103	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-2.275	-0.0027	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-1.345	-0.0016	-2.5 to 2.5	Pass
					3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
					4.43	0.100	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.044	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.087	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-0.801	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.944	-0.0011	-2.5 to 2.5	Pass
					4.43	-0.873	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.717	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-1.445	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				30	3.85	0.715	0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.916	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-2.704	-0.0032	-2.5 to 2.5	Pass
					3.85	-2.103	-0.0025	-2.5 to 2.5	Pass
					4.43	-1.588	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.130	-0.0013	-2.5 to 2.5	Pass

				-10	3.85	-1.459	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.717	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-1.130	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.073	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.688	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-2.518	-0.0030	-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	-2.017	-0.0024	-2.5 to 2.5	Pass
					3.85	-1.874	-0.0023	-2.5 to 2.5	Pass
					4.43	-2.189	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-2.131	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-1.888	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-1.574	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.273	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-1.960	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-1.917	-0.0023	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-0.300	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
					4.43	0.229	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.230	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-0.286	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-0.787	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
					4.43	-1.116	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.815	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.401	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-0.229	-0.0003	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0018	-2.5 to 2.5	Pass
					4.43	-0.286	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.359	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.574	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-1.760	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.359	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-1.287	-0.0016	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-0.973	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.186	-0.0002	-2.5 to 2.5	Pass

					4.43	0.043	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.245	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.545	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	1.259	0.0015	-2.5 to 2.5	Pass
					3.85	0.443	0.0005	-2.5 to 2.5	Pass
					4.43	0.443	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.200	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.186	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.701	-0.0008	-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	-1.330	-0.0016	-2.5 to 2.5	Pass
					3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.887	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.286	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-0.801	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.629	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.858	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.672	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				50	3.85	0.572	0.0007	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-0.744	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
					4.43	0.114	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.044	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.030	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass

				50	3.85	-1.230	-0.0015	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	1.087	0.0013	-2.5 to 2.5	Pass
					3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.059	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
	50	3.85	-0.629	-0.0008	-2.5 to 2.5	Pass			
	836.5	50	0	20	3.27	-0.215	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.801	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.359	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-1.159	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
	50	3.85	0.229	0.0003	-2.5 to 2.5	Pass			
	844	50	0	20	3.27	-0.787	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
					4.43	-0.916	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.159	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.257	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.329	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.116	-0.0013	-2.5 to 2.5	Pass

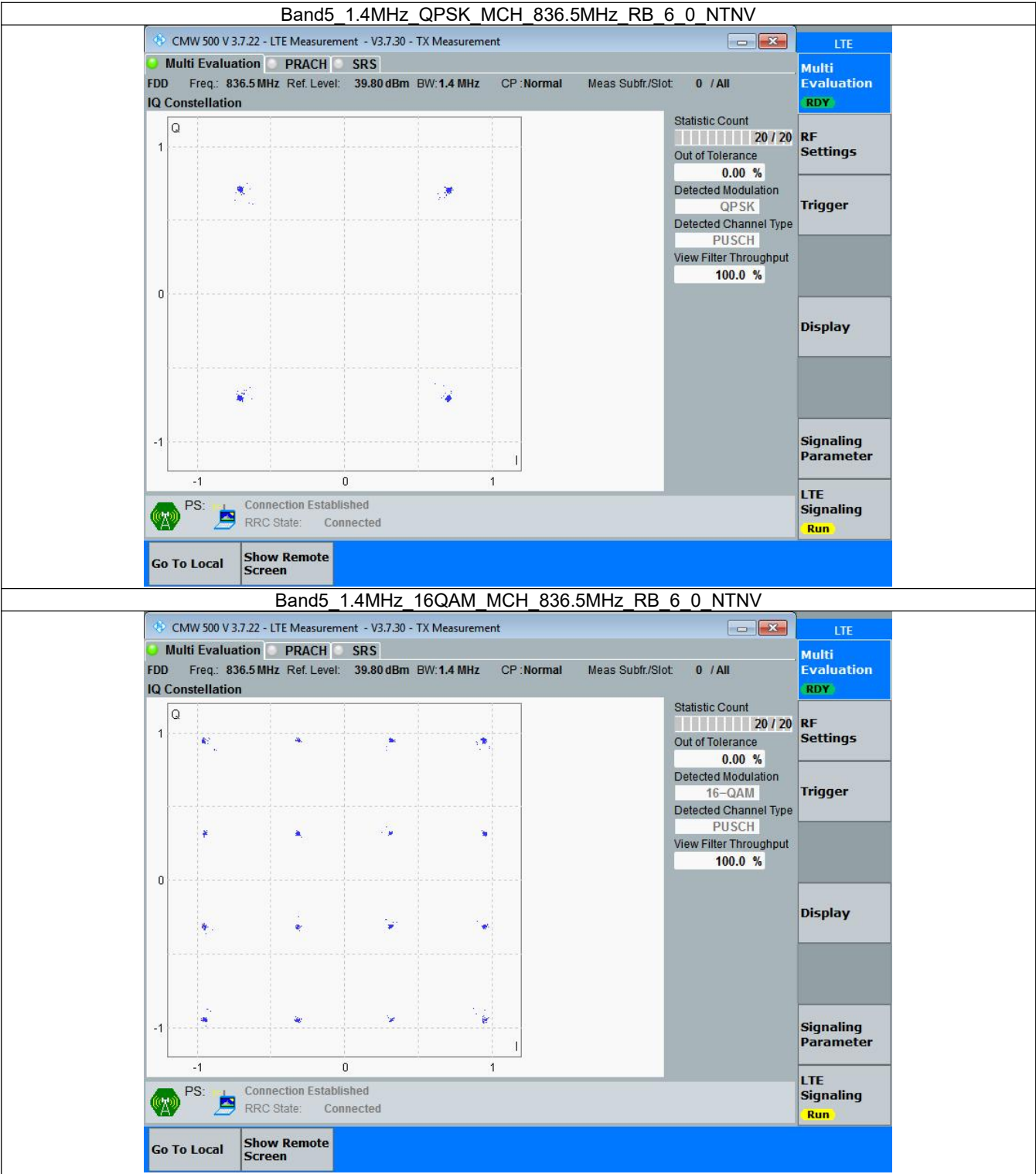
3. Modulation Characteristics

3.1 B5_1.4MHz

3.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		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

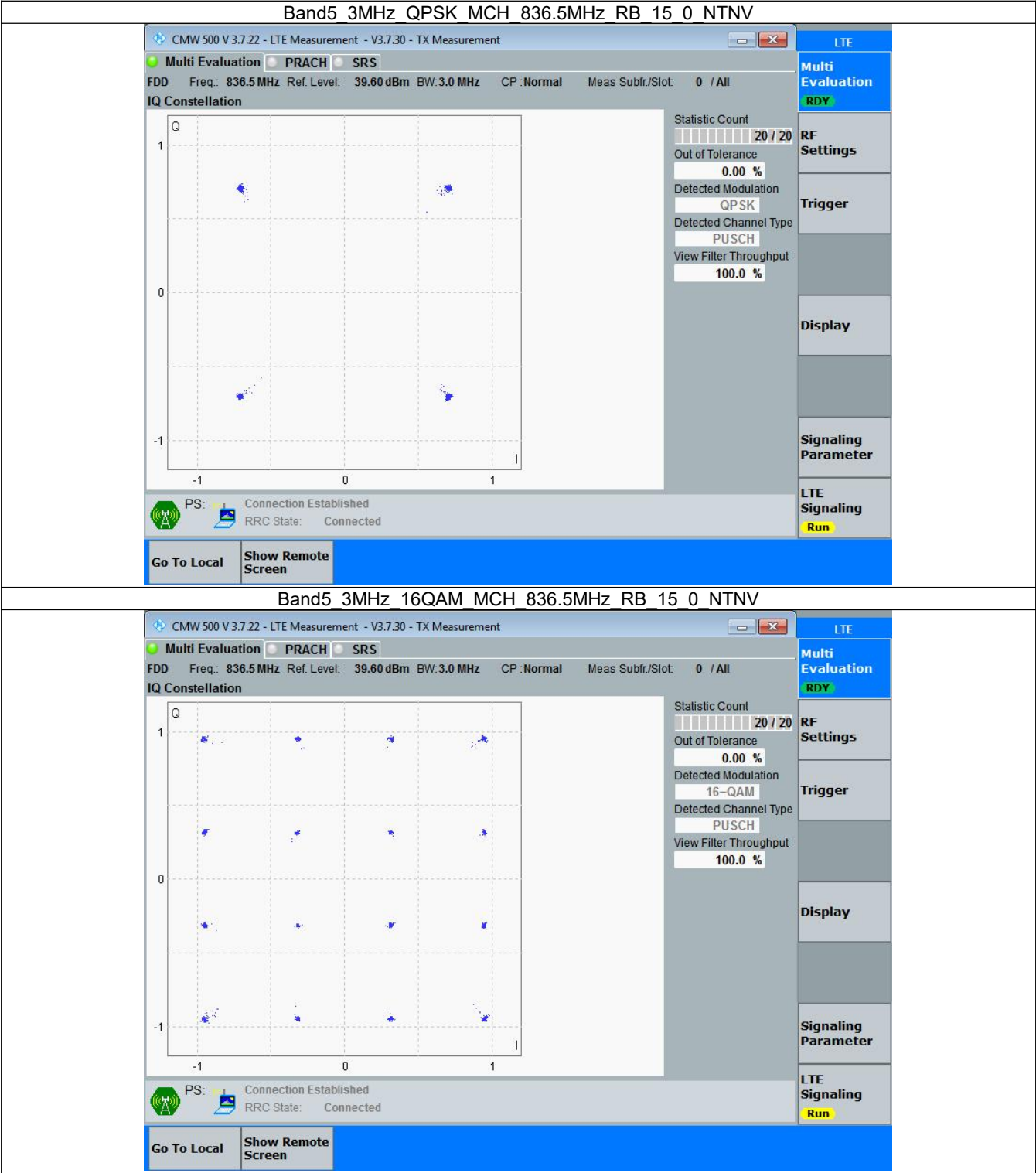


3.2 B5_3MHz

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

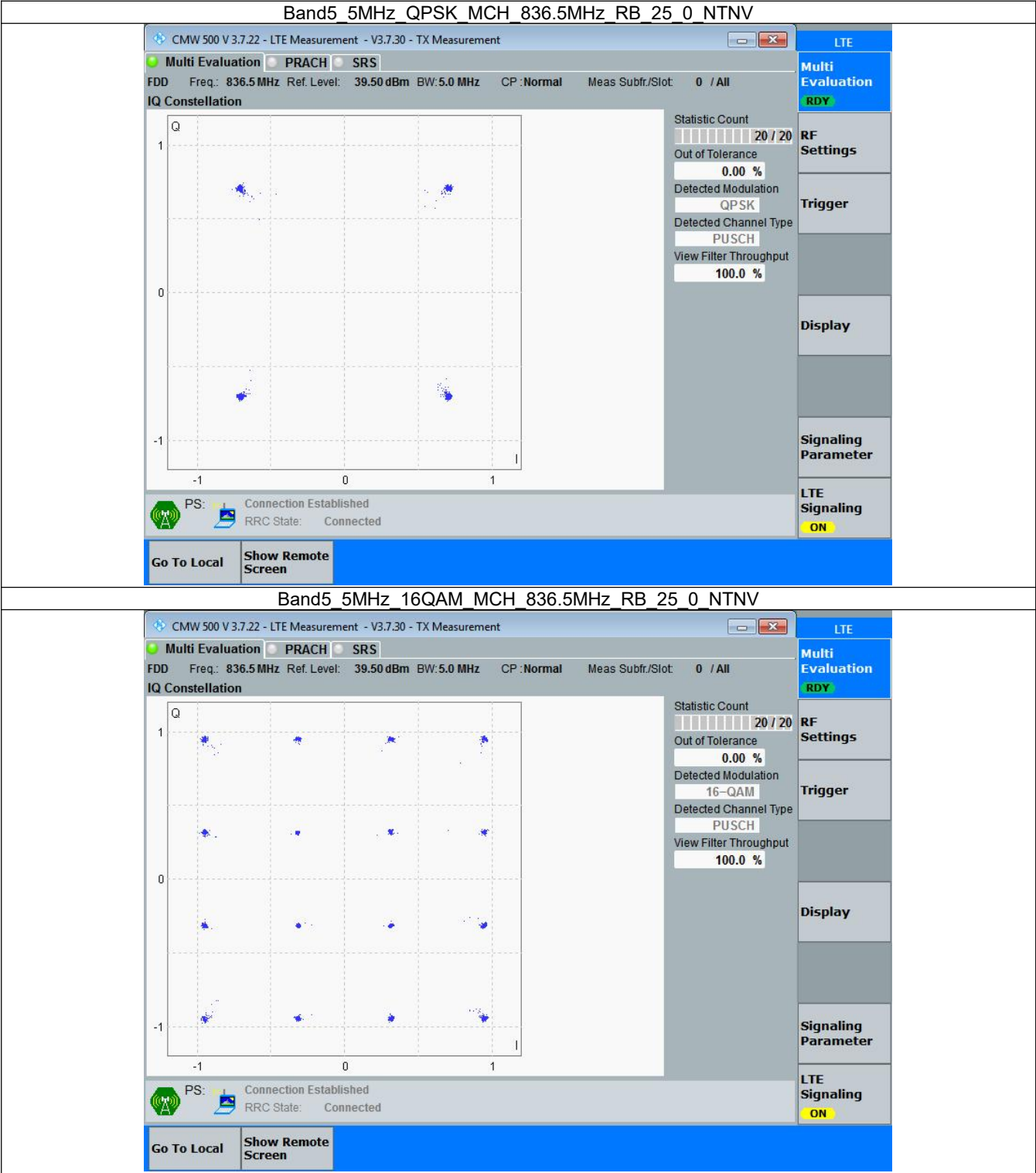


3.3 B5_5MHz

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

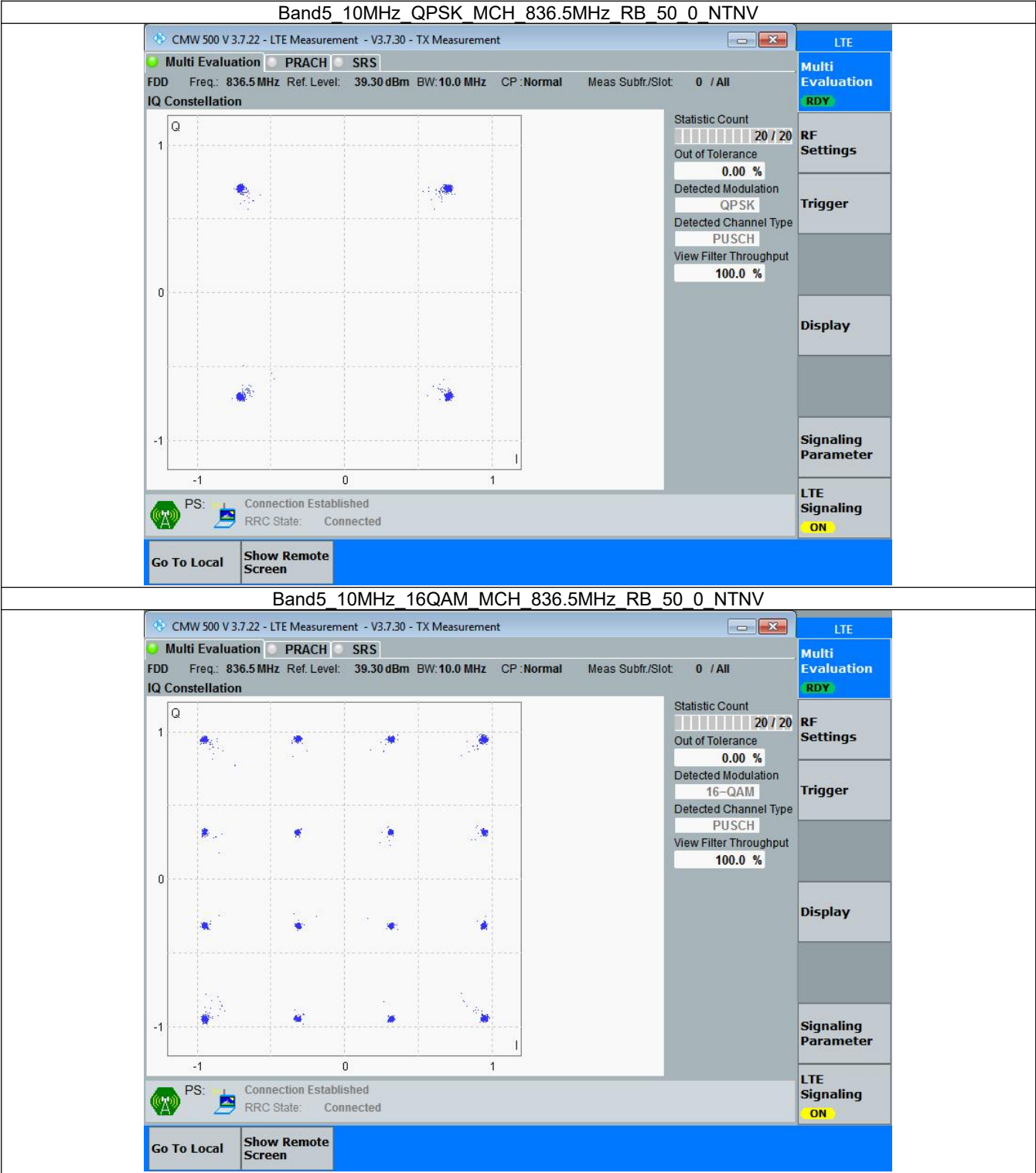


3.4 B5_10MHz

3.4.1 Test Result

Band: 5 / Bandwidth: 10MHz / NTNv						
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



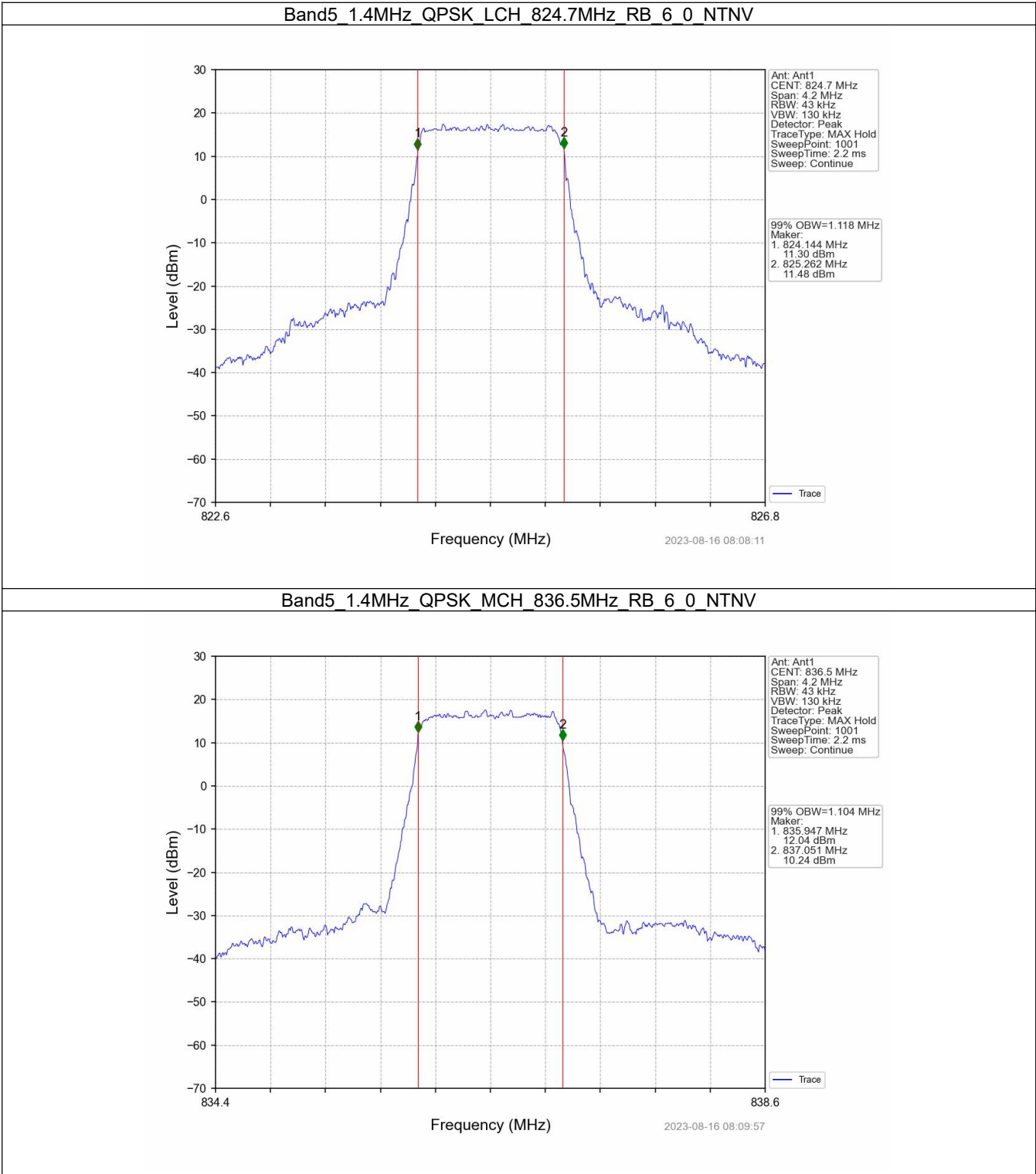
4. 99% & 26dB Bandwidth

4.1 Band5_OBW

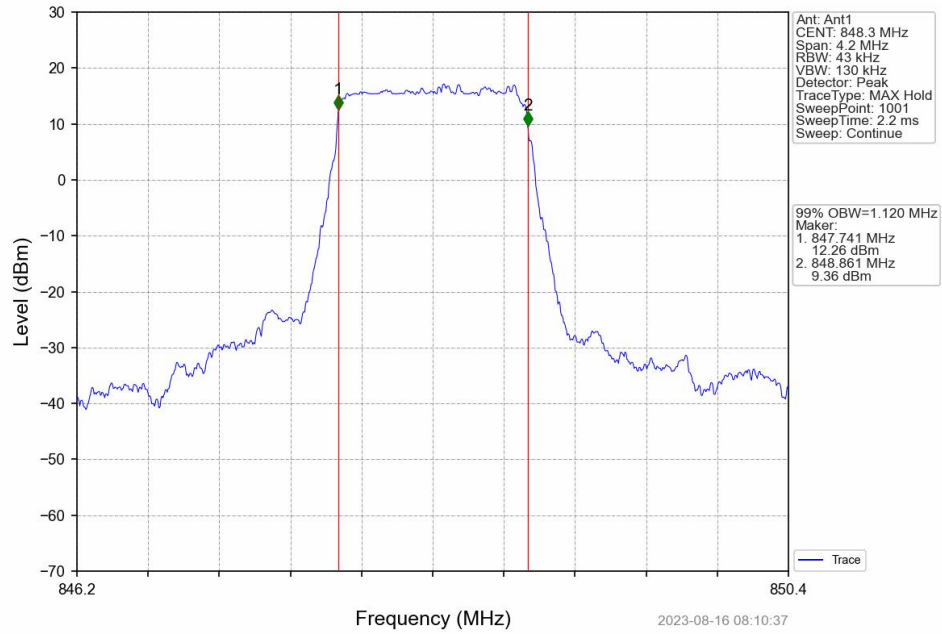
4.1.1 Test Result

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	1.118	Pass
		836.5	6	0	1.104	Pass
		848.3	6	0	1.120	Pass
	16QAM	824.7	6	0	1.115	Pass
		836.5	6	0	1.107	Pass
		848.3	6	0	1.110	Pass
3	QPSK	825.5	15	0	2.741	Pass
		836.5	15	0	2.731	Pass
		847.5	15	0	2.744	Pass
	16QAM	825.5	15	0	2.727	Pass
		836.5	15	0	2.729	Pass
		847.5	15	0	2.742	Pass
5	QPSK	826.5	25	0	4.537	Pass
		836.5	25	0	4.561	Pass
		846.5	25	0	4.556	Pass
	16QAM	826.5	25	0	4.578	Pass
		836.5	25	0	4.535	Pass
		846.5	25	0	4.553	Pass
10	QPSK	829	50	0	9.080	Pass
		836.5	50	0	9.016	Pass
		844	50	0	9.052	Pass
	16QAM	829	50	0	9.031	Pass
		836.5	50	0	9.004	Pass
		844	50	0	9.028	Pass

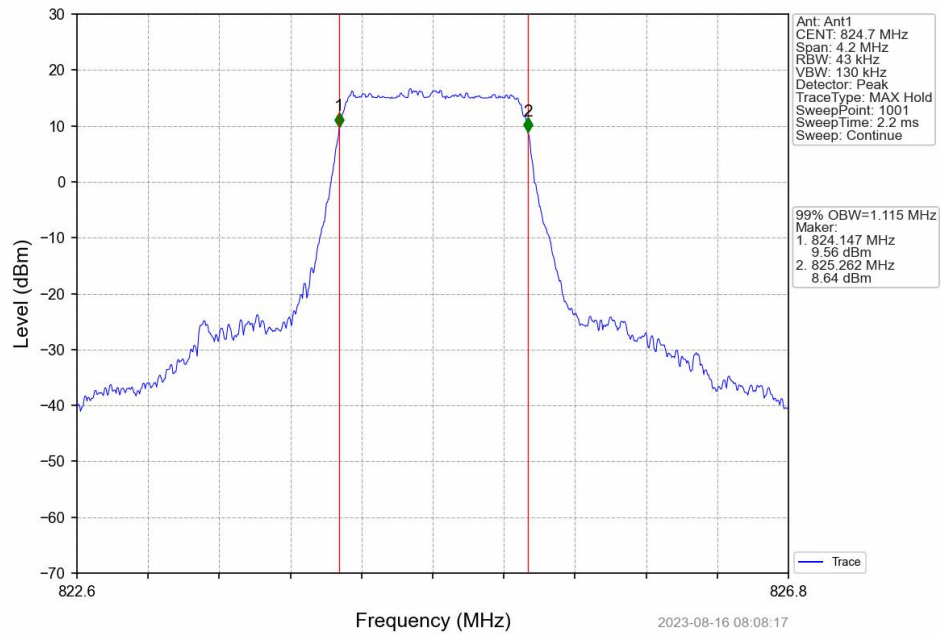
4.1.2 Test Graph



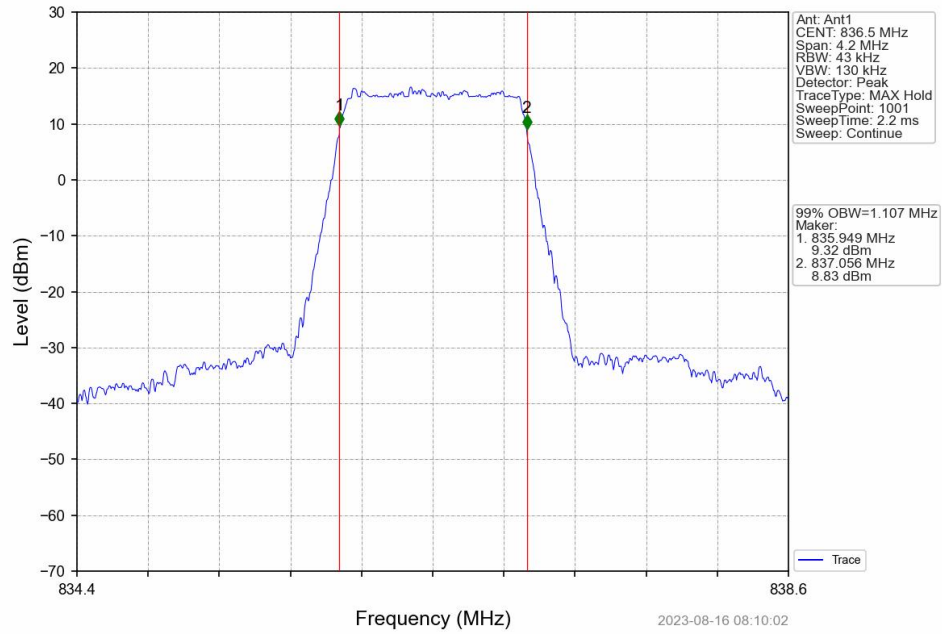
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



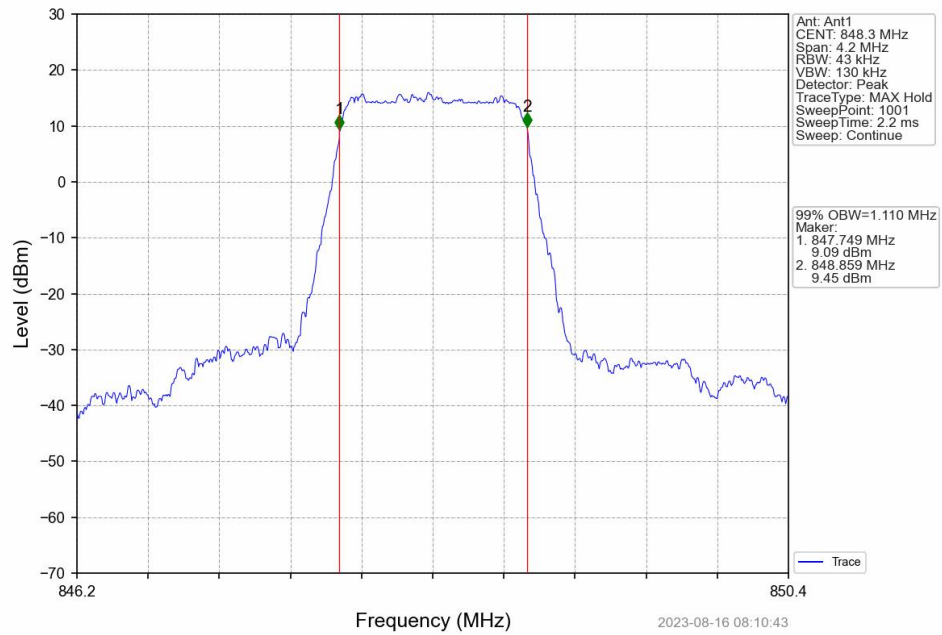
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



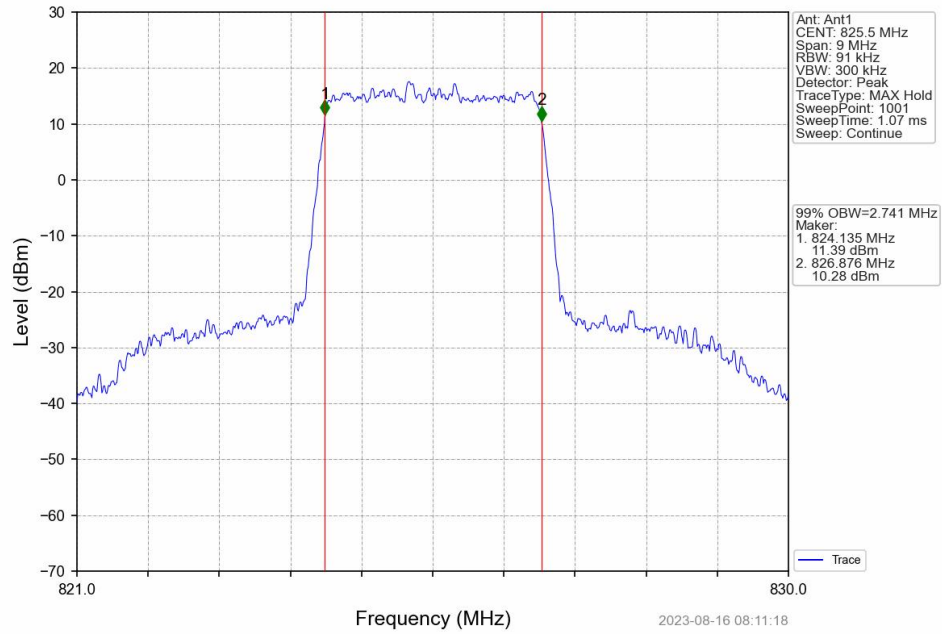
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



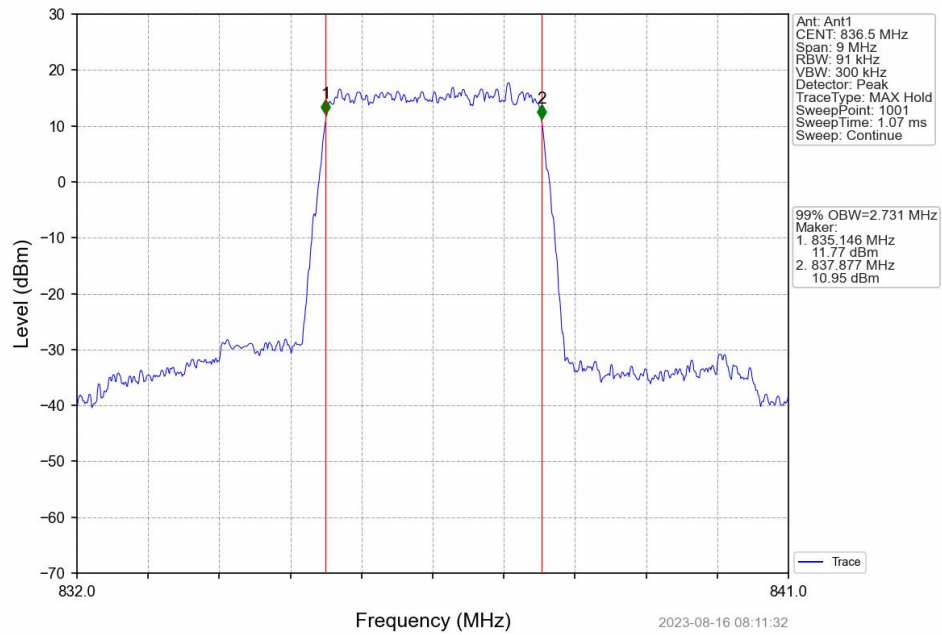
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



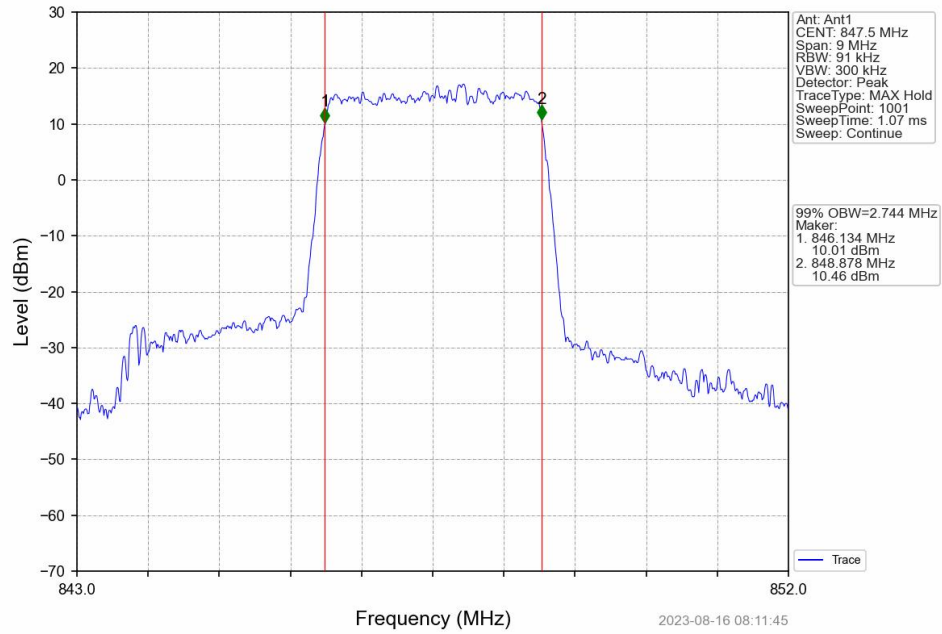
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



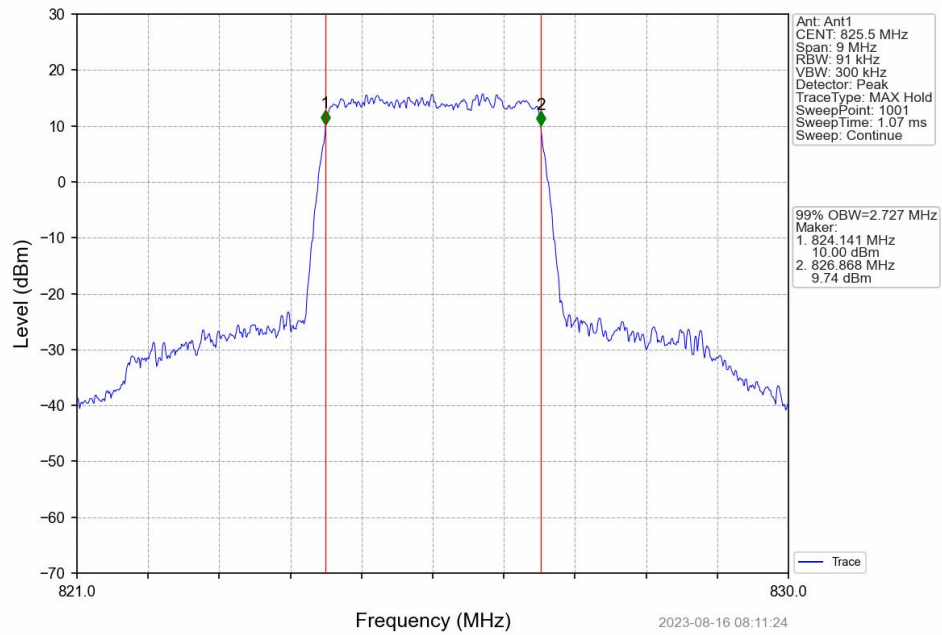
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



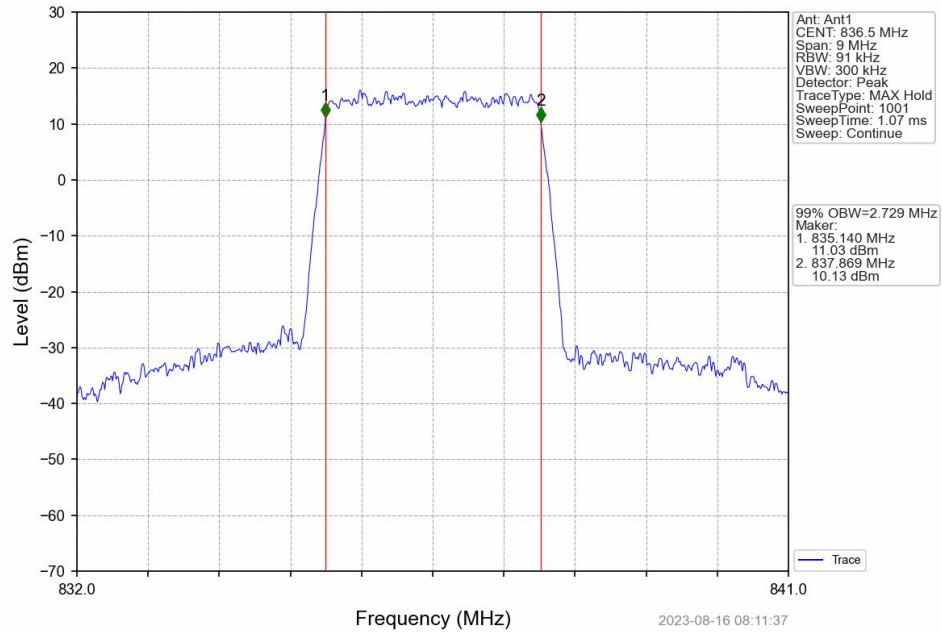
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



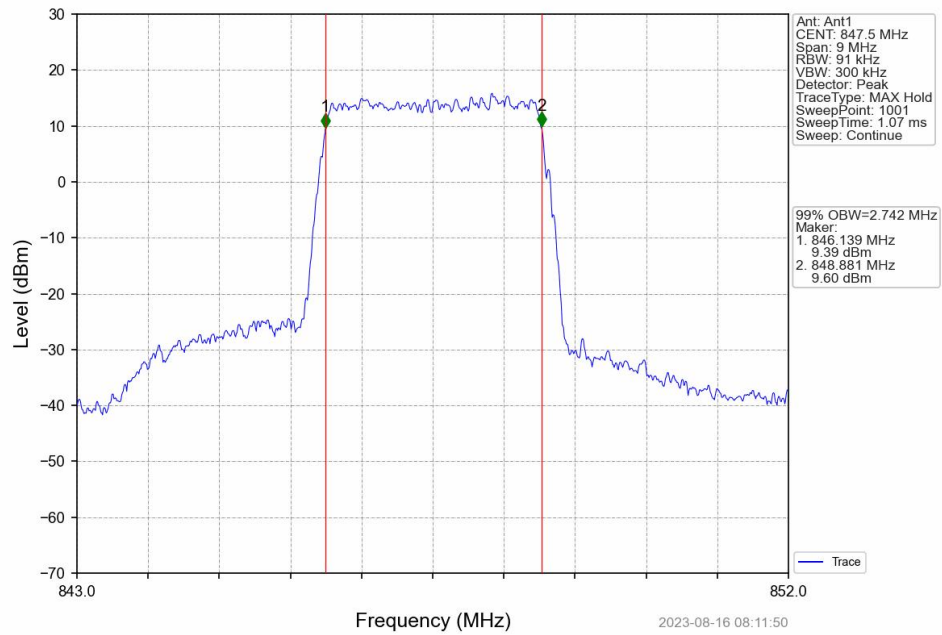
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



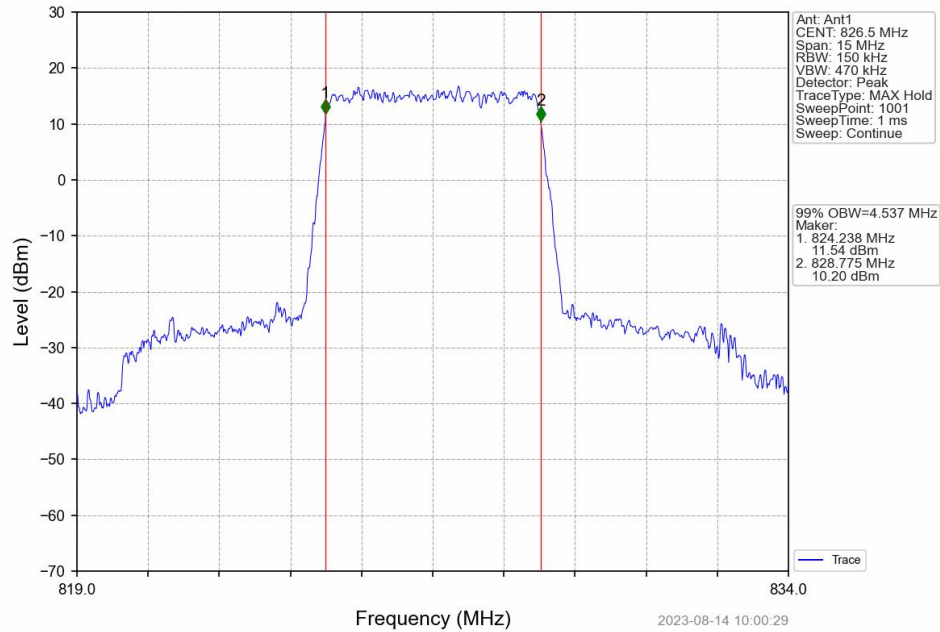
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



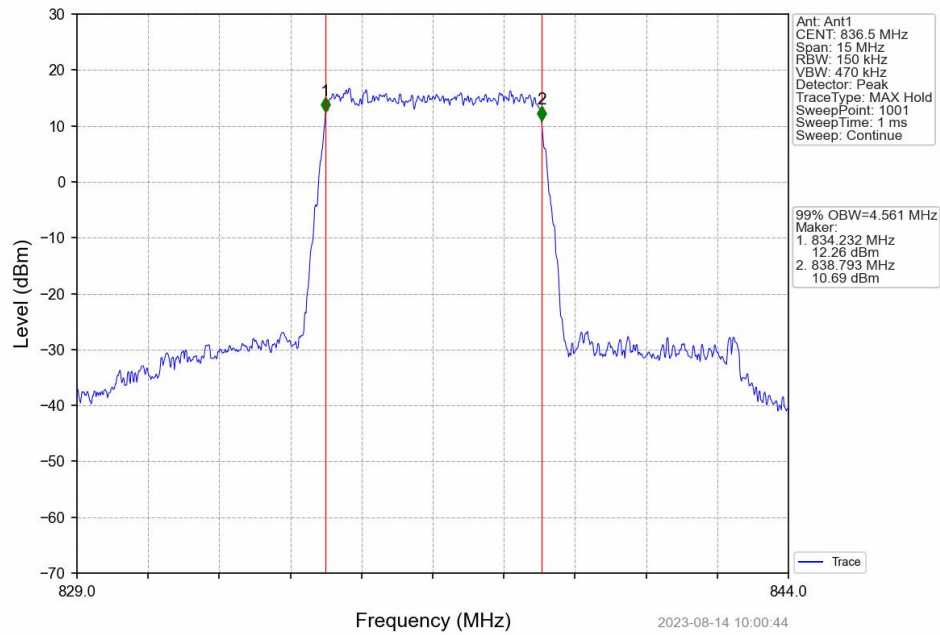
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



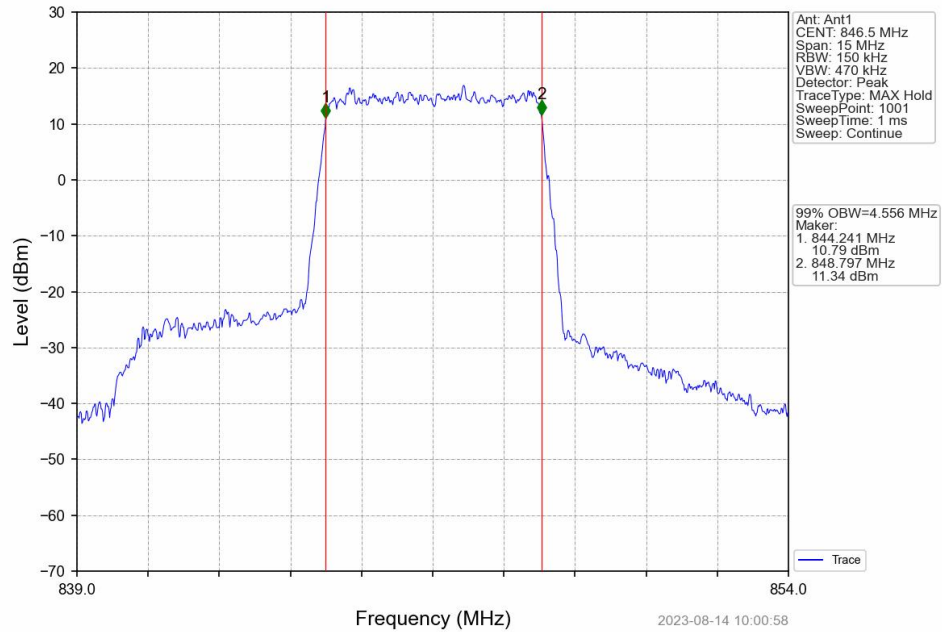
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



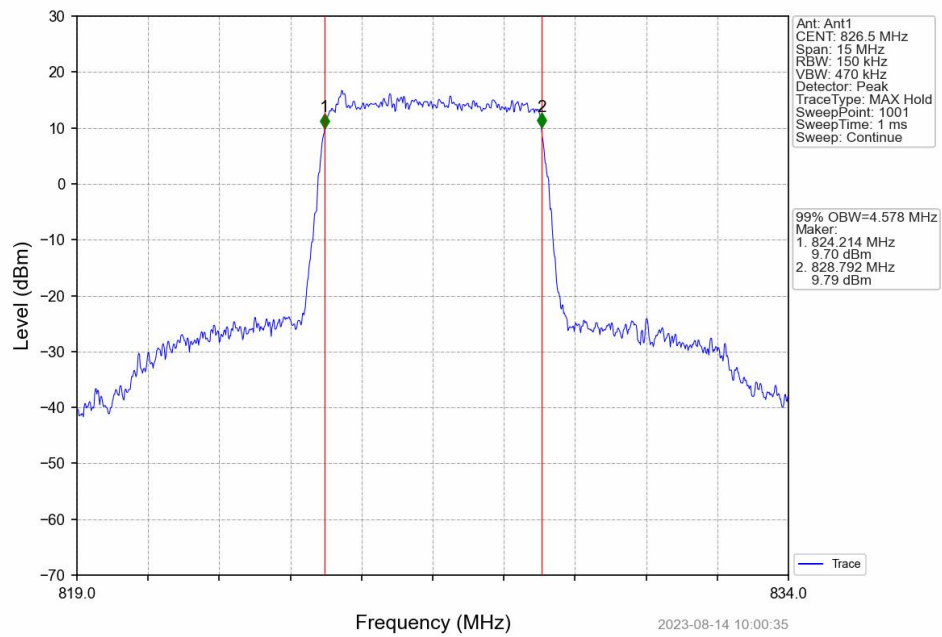
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



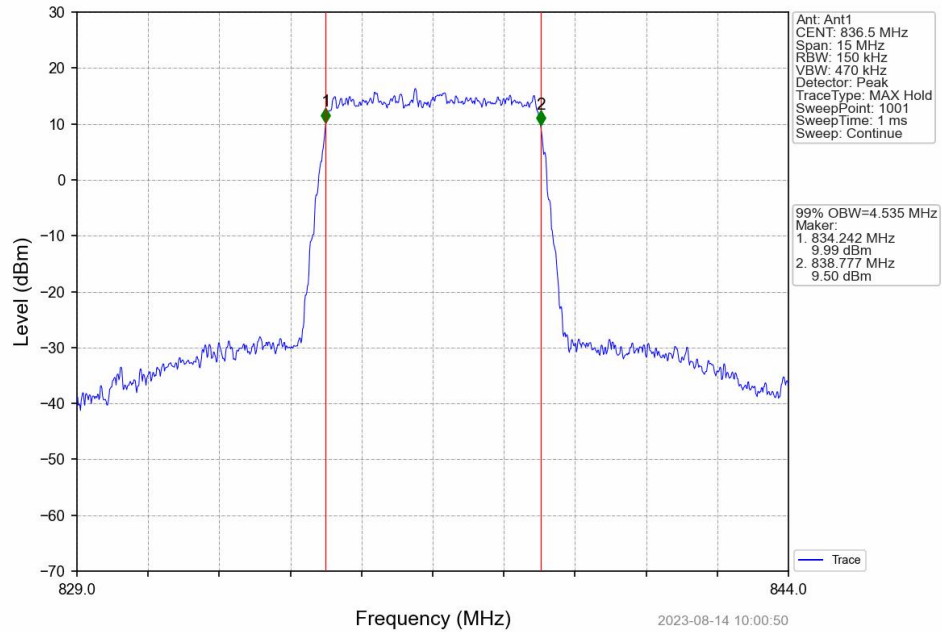
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



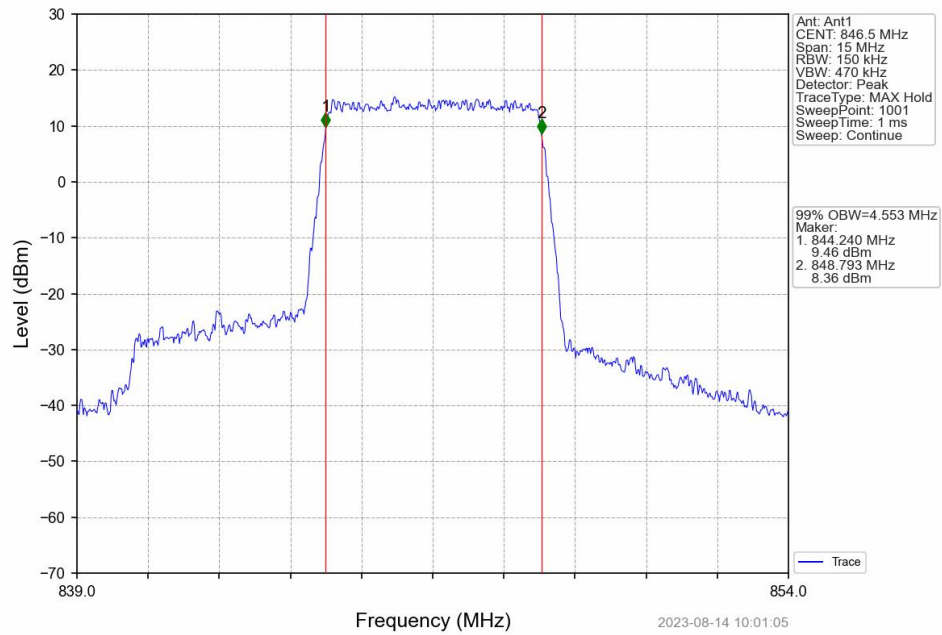
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



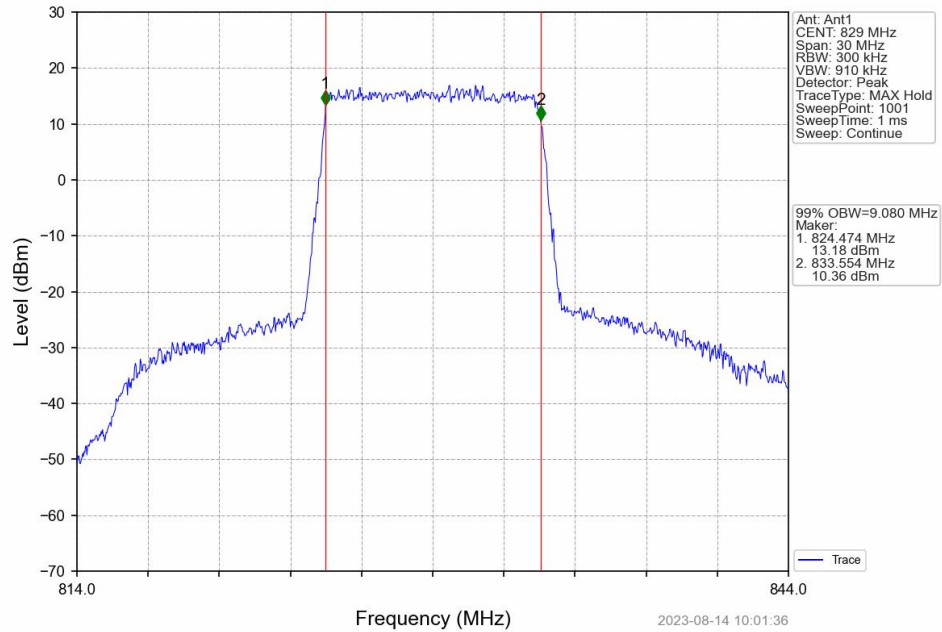
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



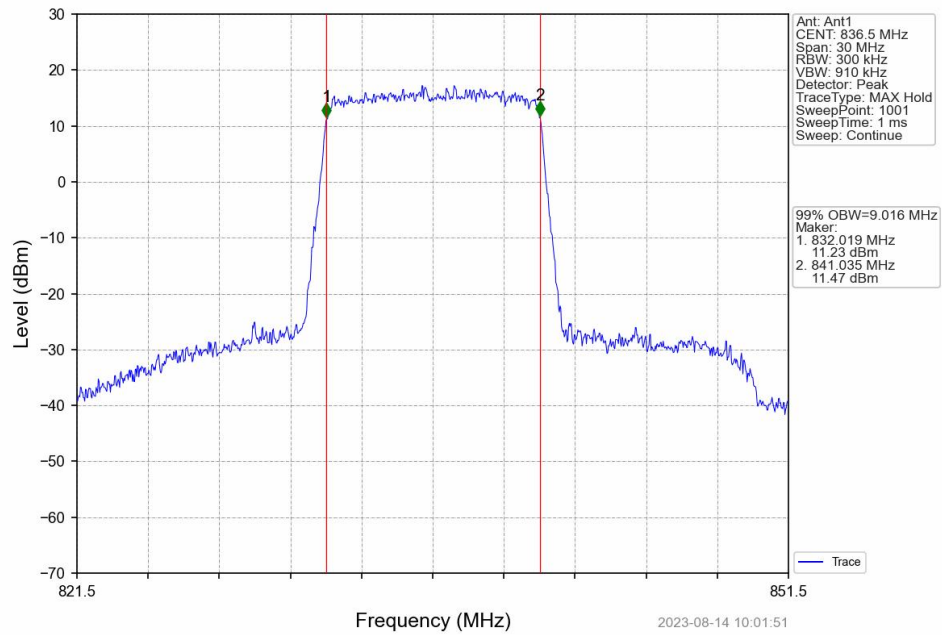
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



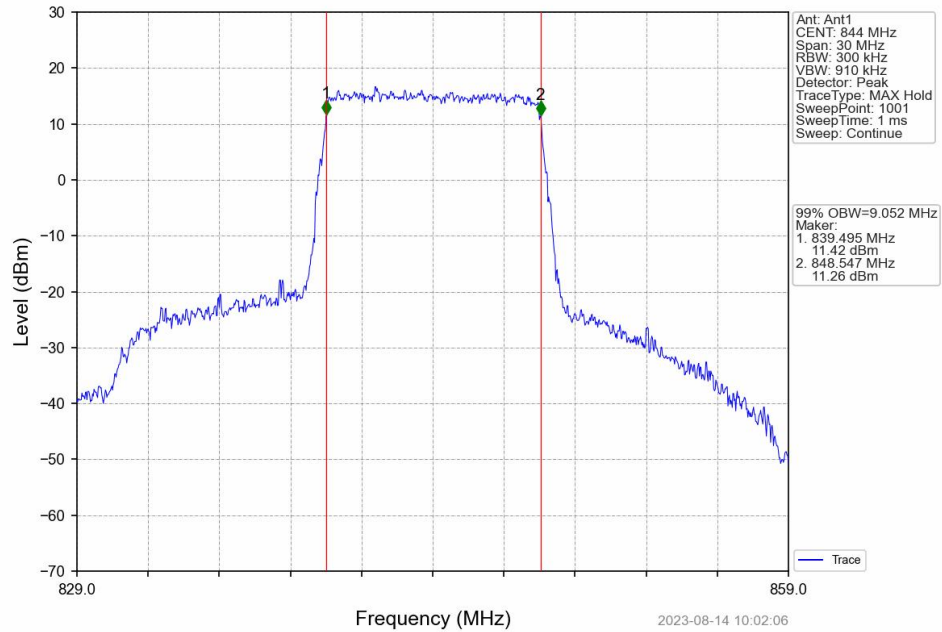
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



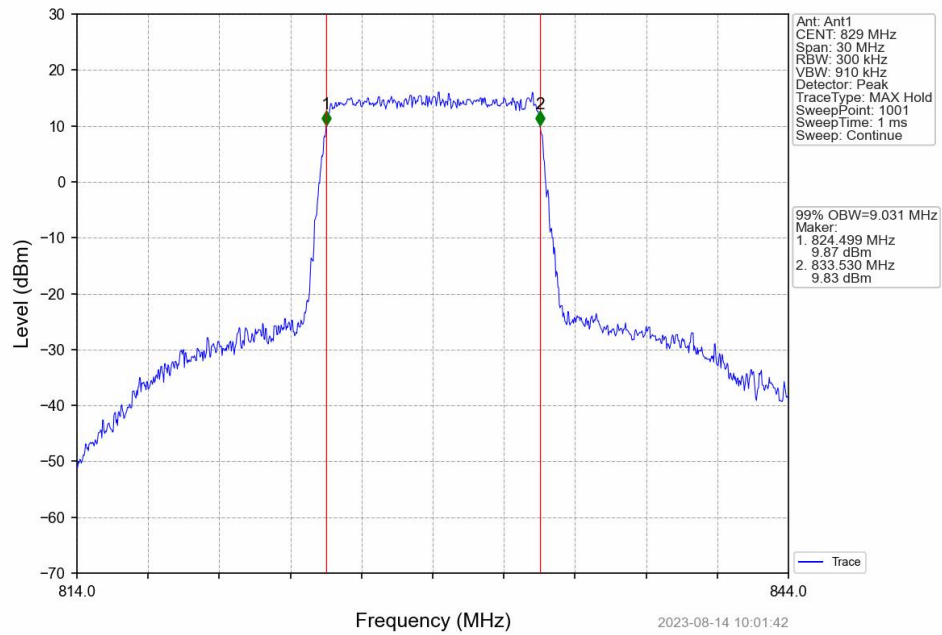
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



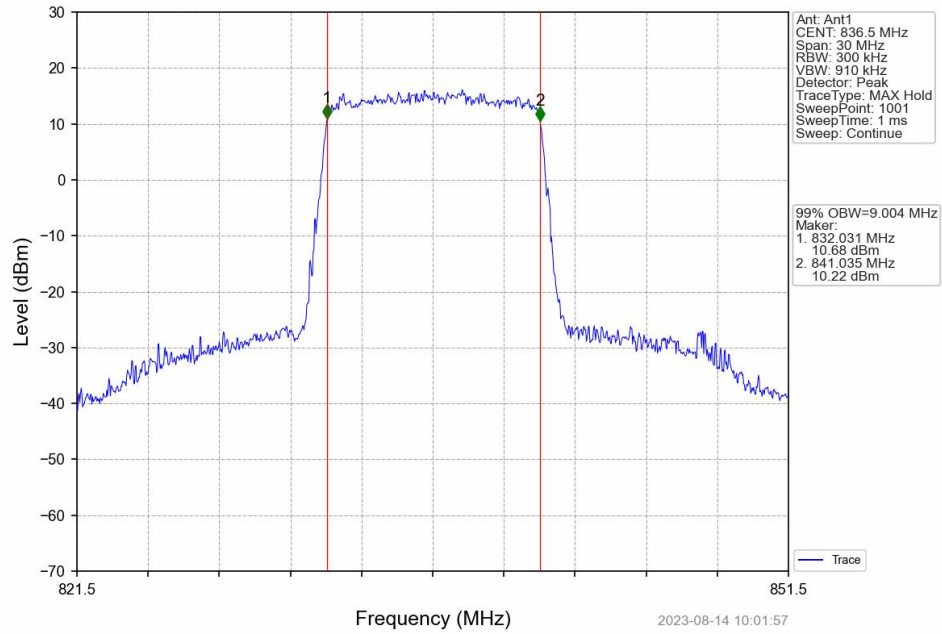
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



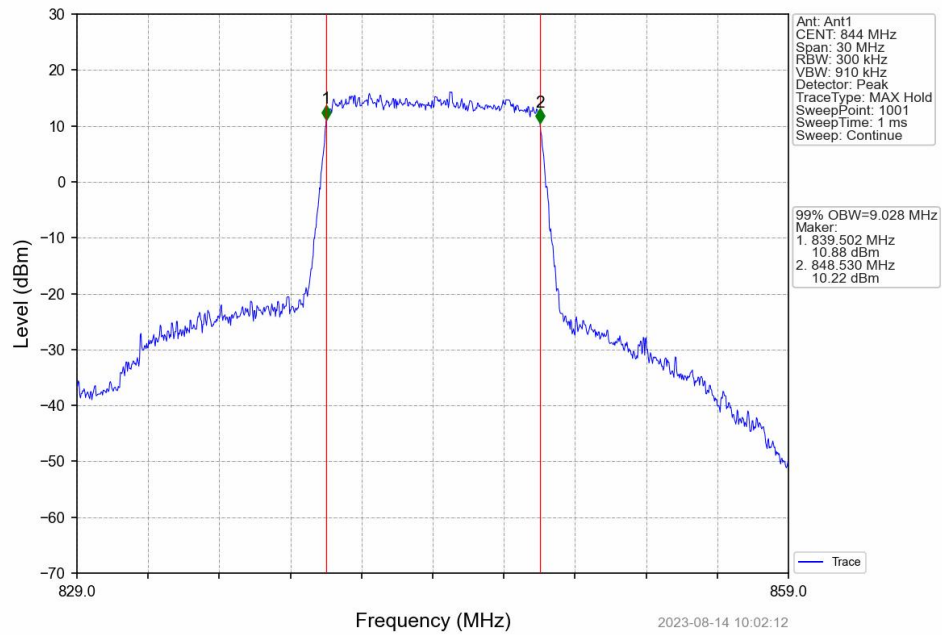
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV

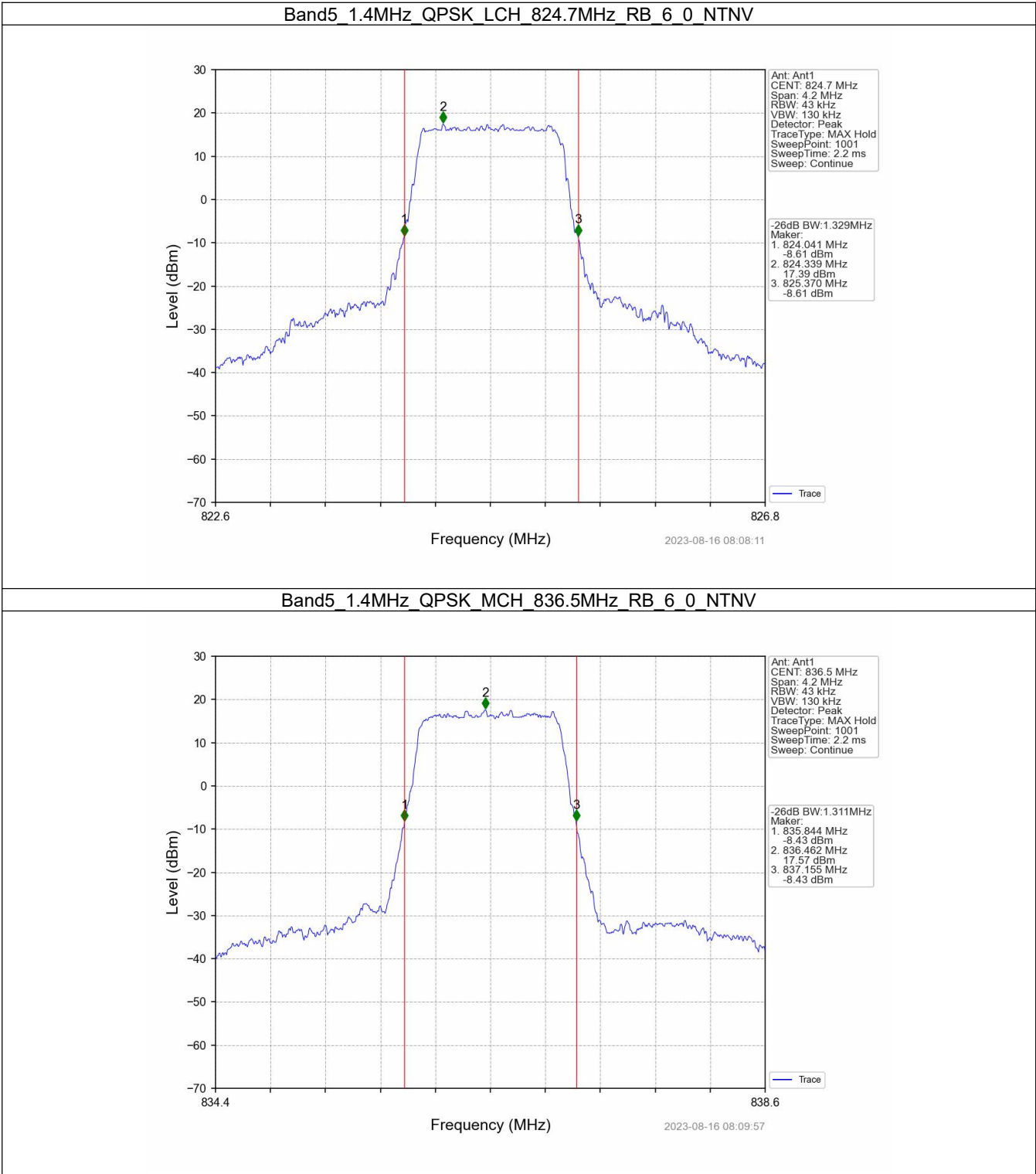


4.2 Band5_XDB

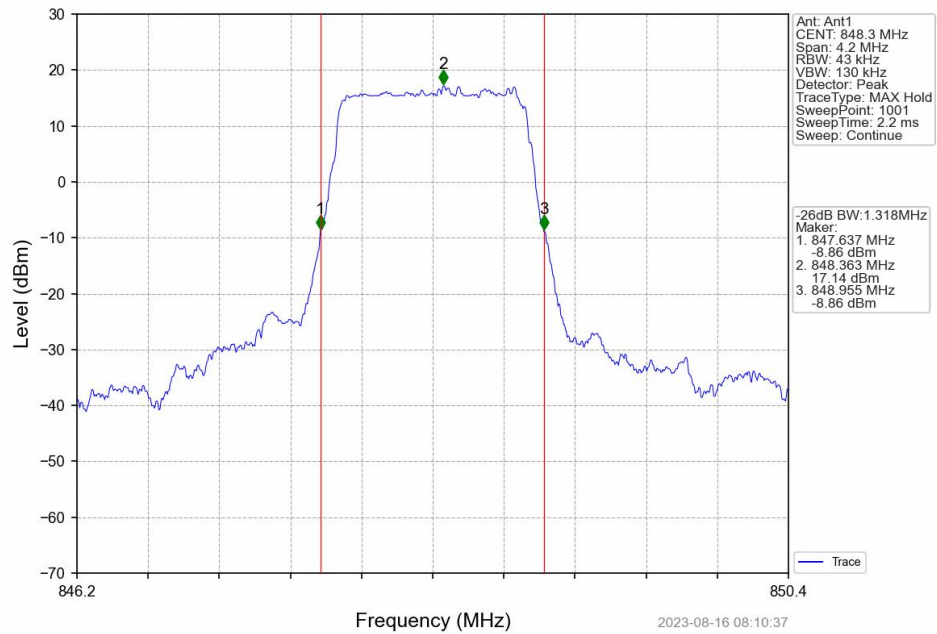
4.2.1 Test Result

Band: 5 / NTNv						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	824.7	6	0	1.329	Pass
		836.5	6	0	1.311	Pass
		848.3	6	0	1.318	Pass
	16QAM	824.7	6	0	1.339	Pass
		836.5	6	0	1.325	Pass
		848.3	6	0	1.319	Pass
3	QPSK	825.5	15	0	3.051	Pass
		836.5	15	0	3.061	Pass
		847.5	15	0	3.040	Pass
	16QAM	825.5	15	0	3.049	Pass
		836.5	15	0	3.048	Pass
		847.5	15	0	3.084	Pass
5	QPSK	826.5	25	0	5.087	Pass
		836.5	25	0	5.098	Pass
		846.5	25	0	5.078	Pass
	16QAM	826.5	25	0	5.050	Pass
		836.5	25	0	5.034	Pass
		846.5	25	0	5.096	Pass
10	QPSK	829	50	0	10.139	Pass
		836.5	50	0	9.998	Pass
		844	50	0	10.033	Pass
	16QAM	829	50	0	10.040	Pass
		836.5	50	0	9.977	Pass
		844	50	0	9.983	Pass

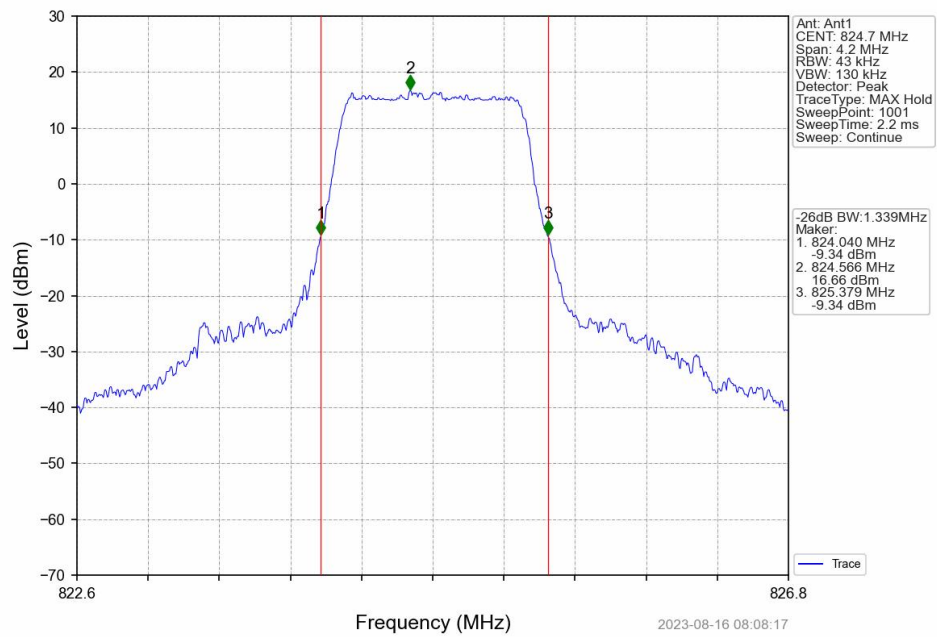
4.2.2 Test Graph



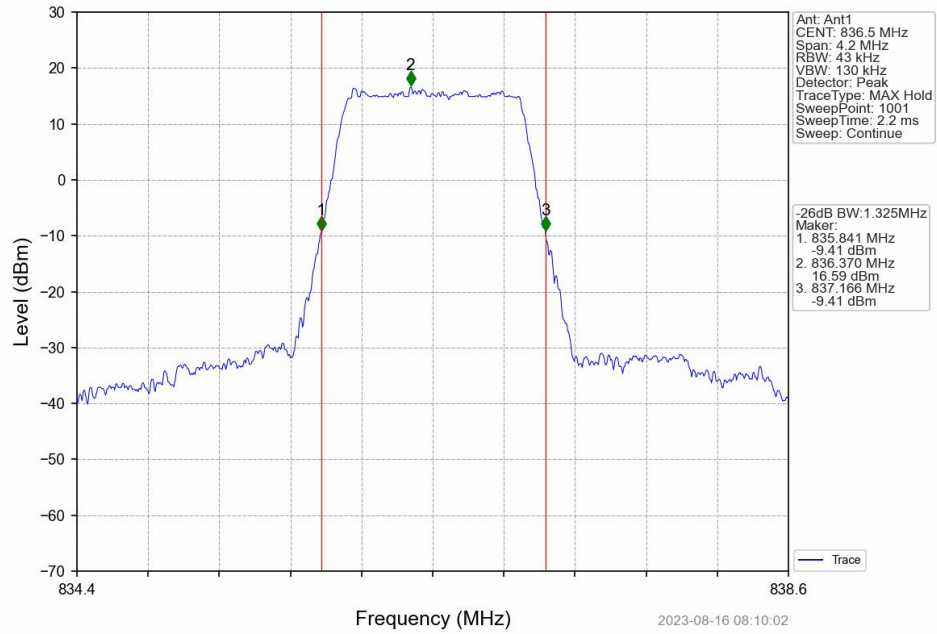
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



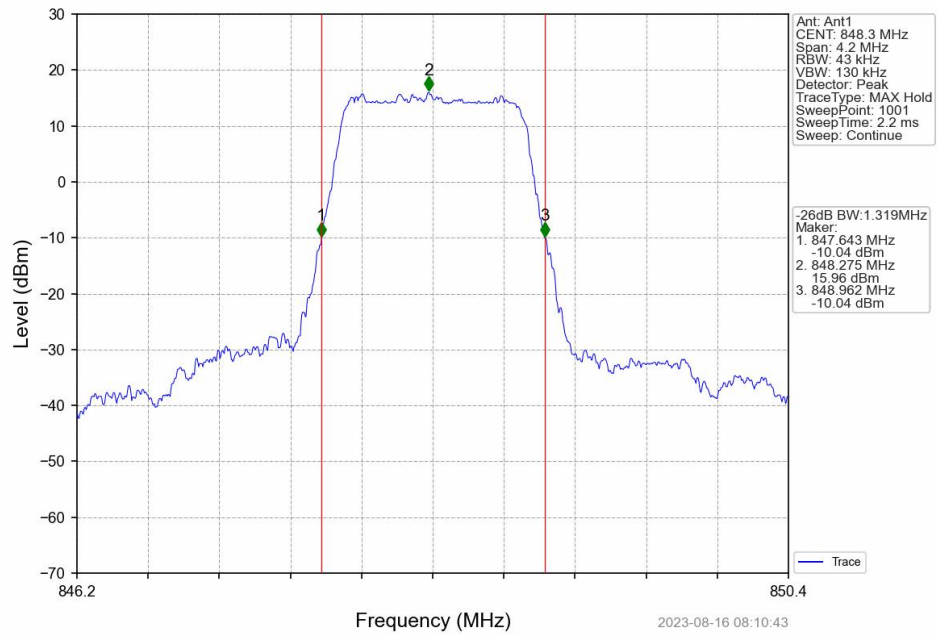
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



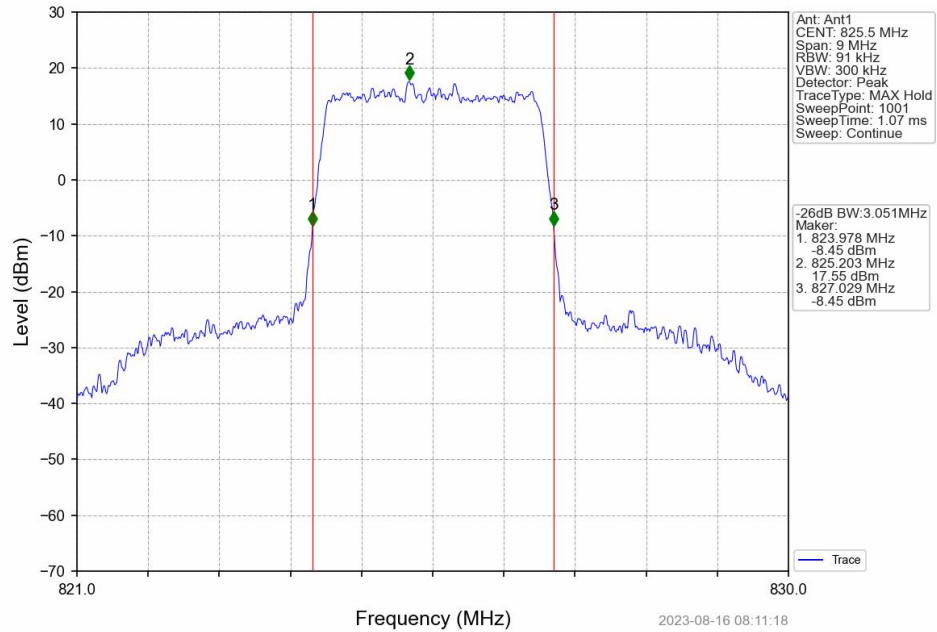
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



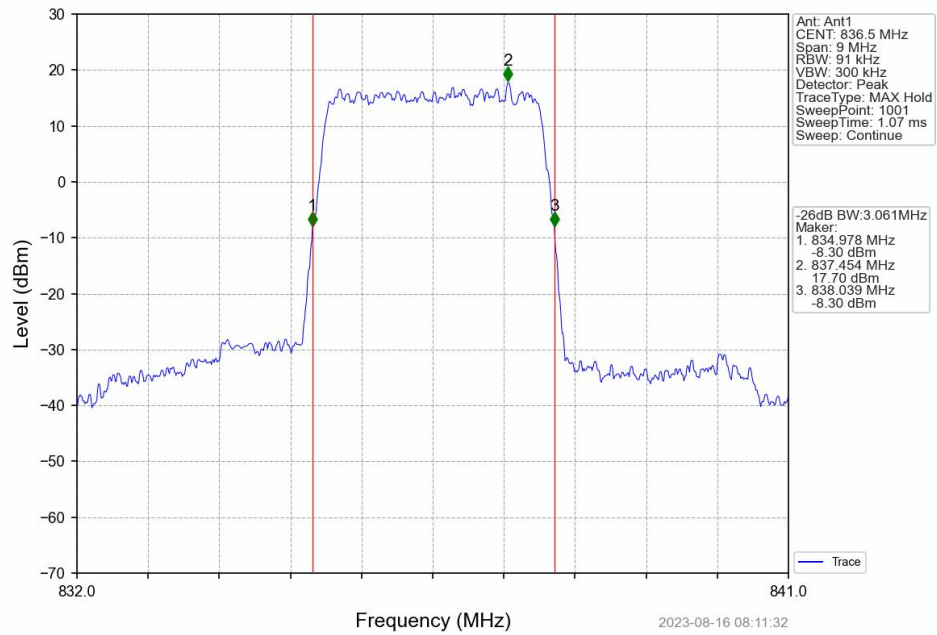
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



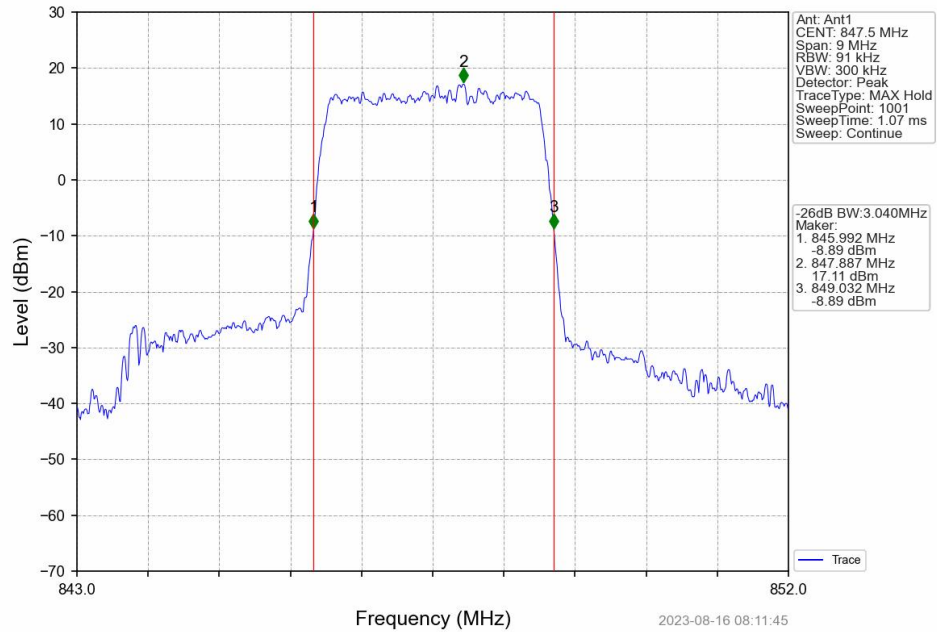
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



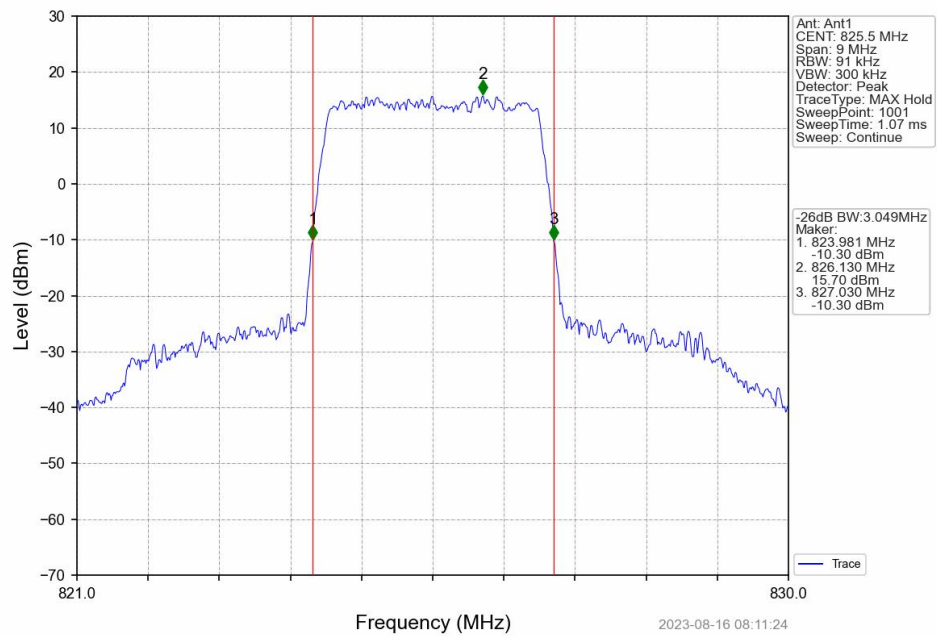
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



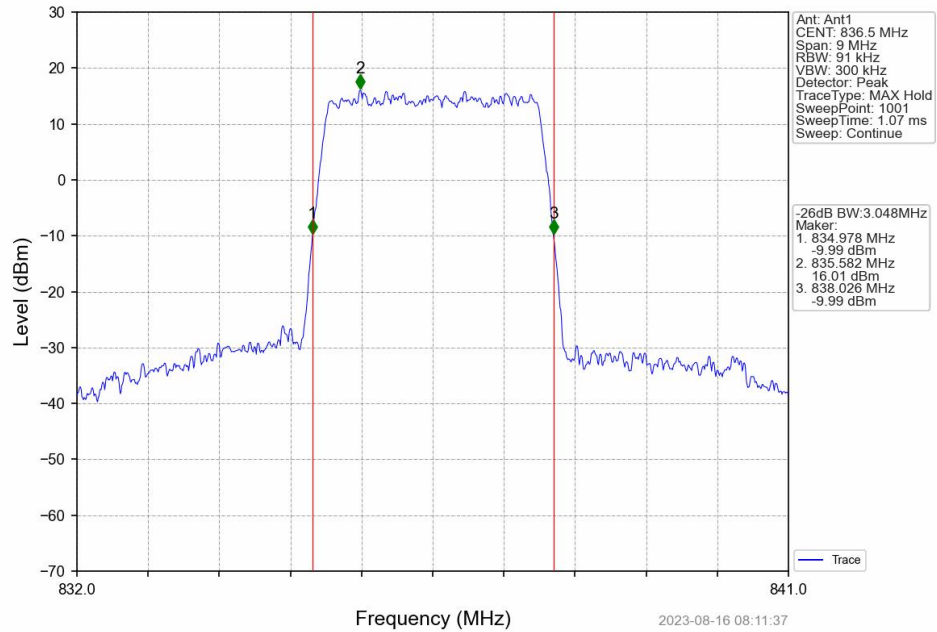
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



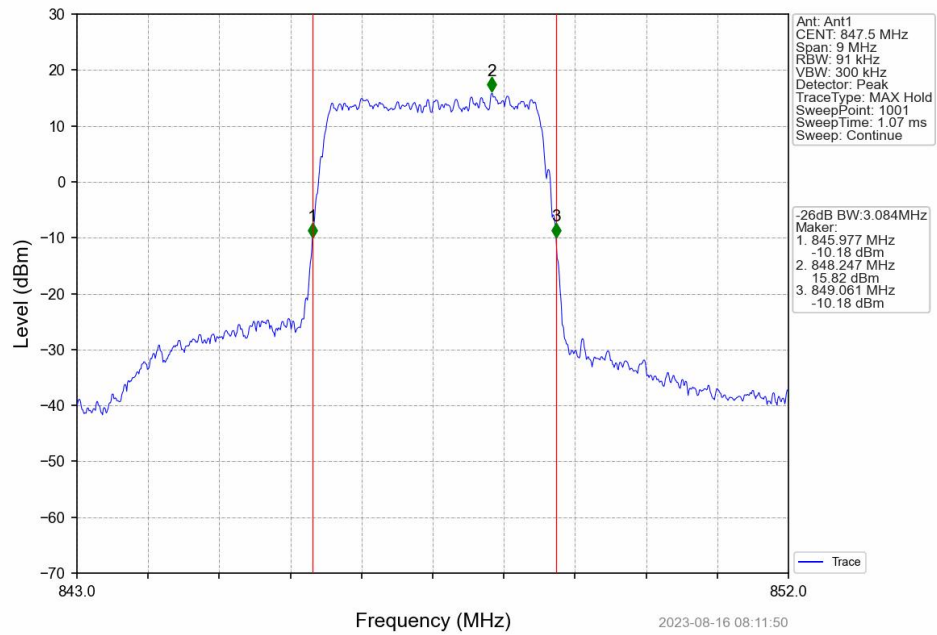
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



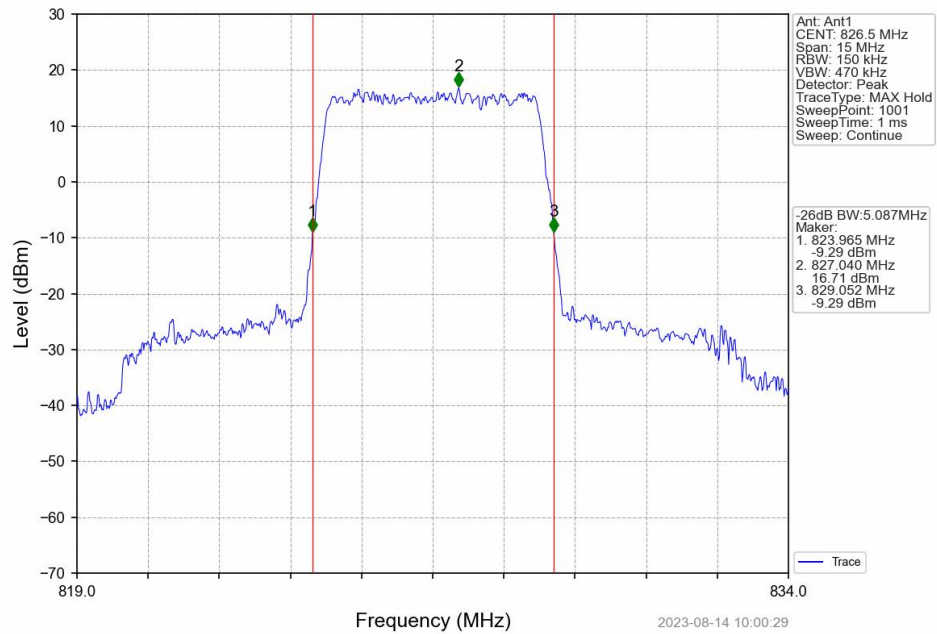
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



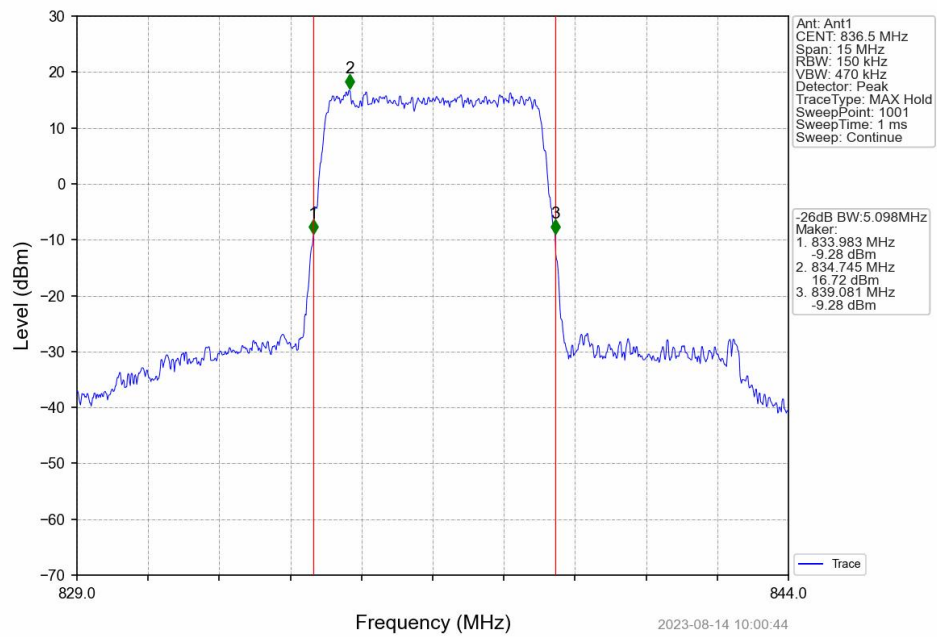
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



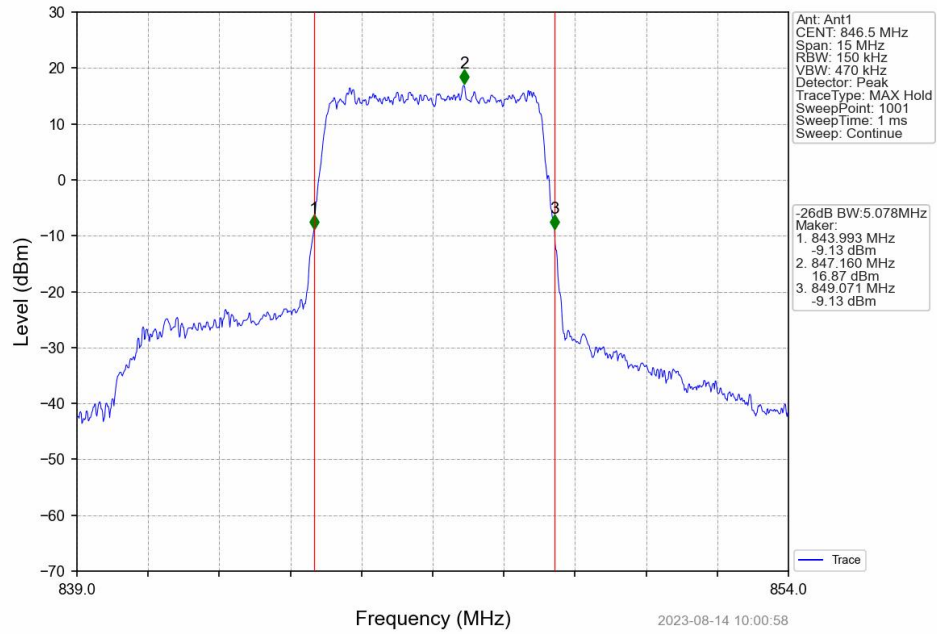
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



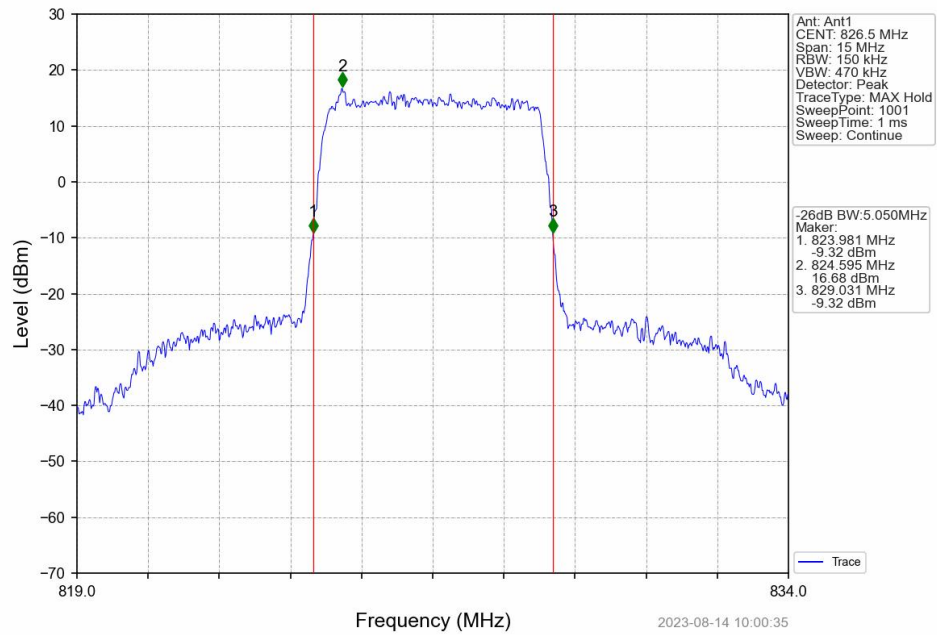
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



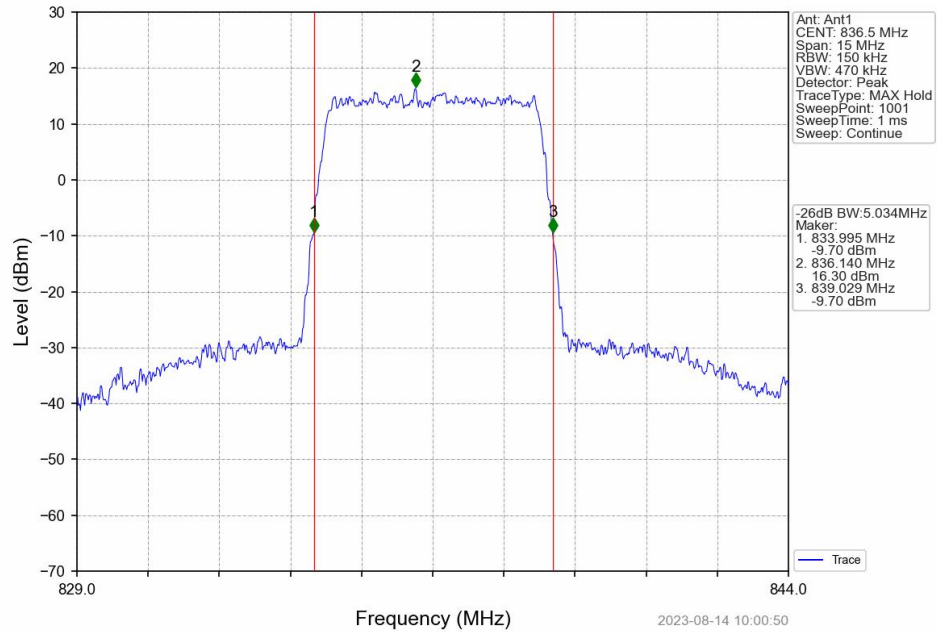
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



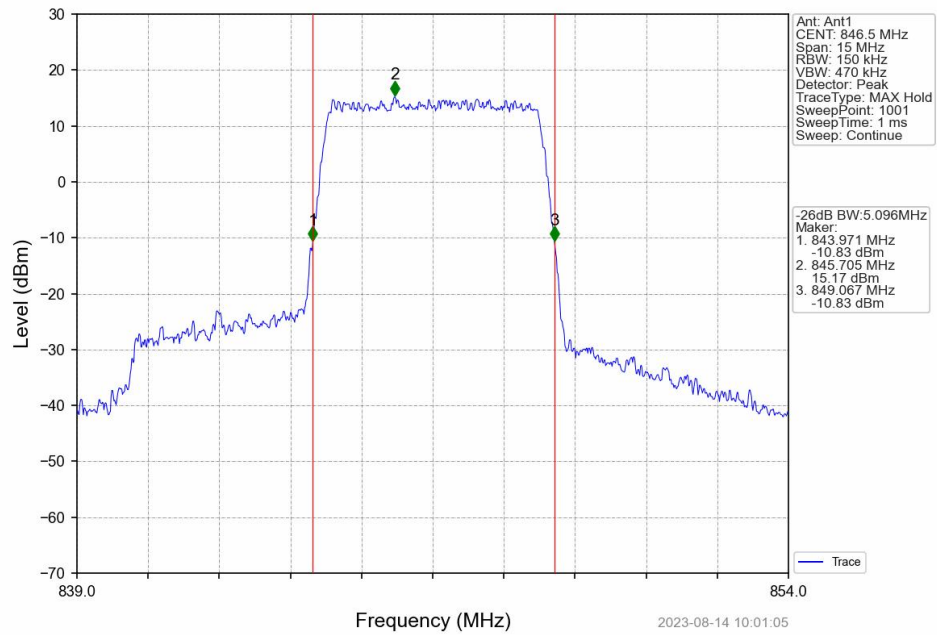
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



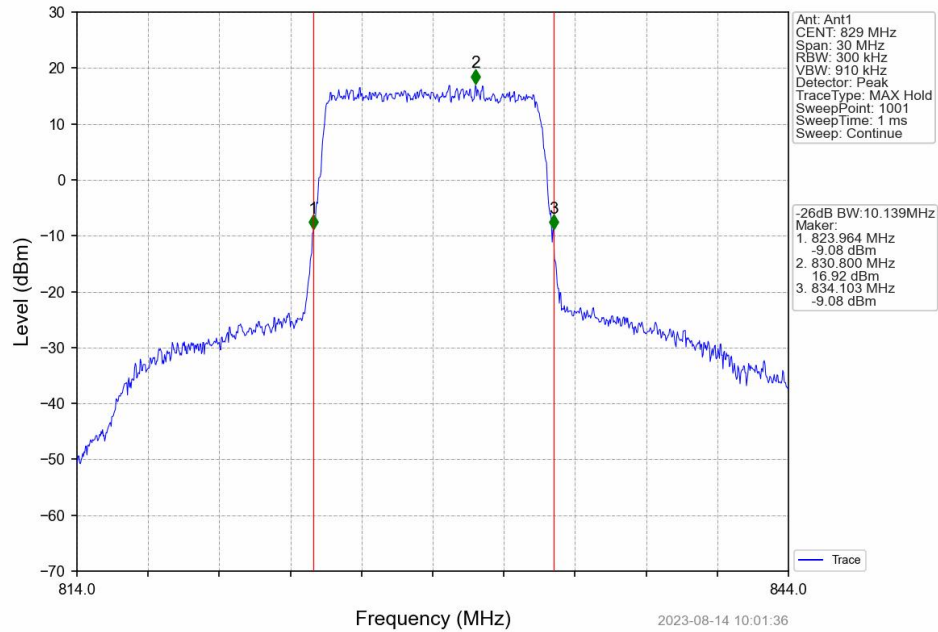
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



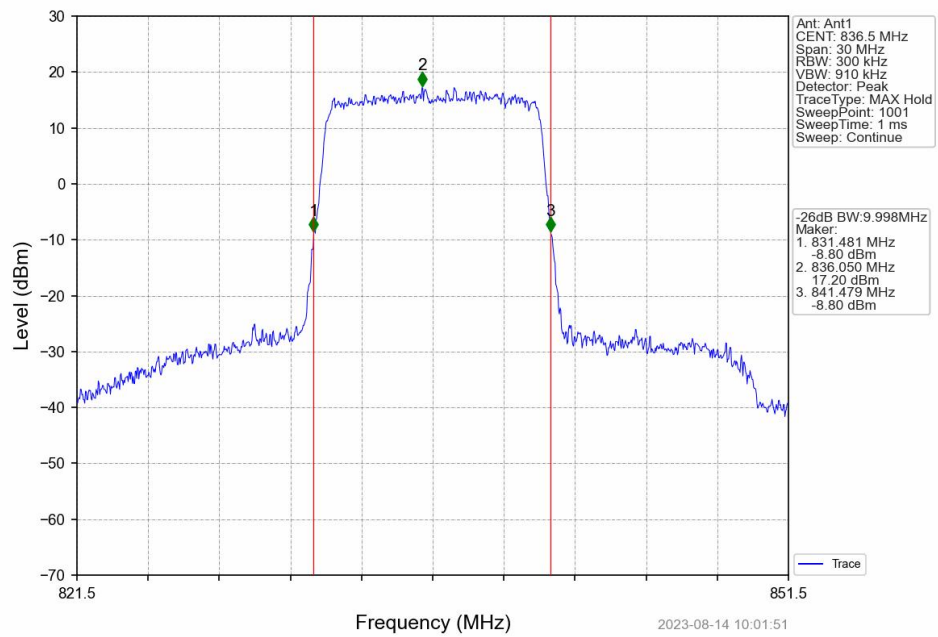
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



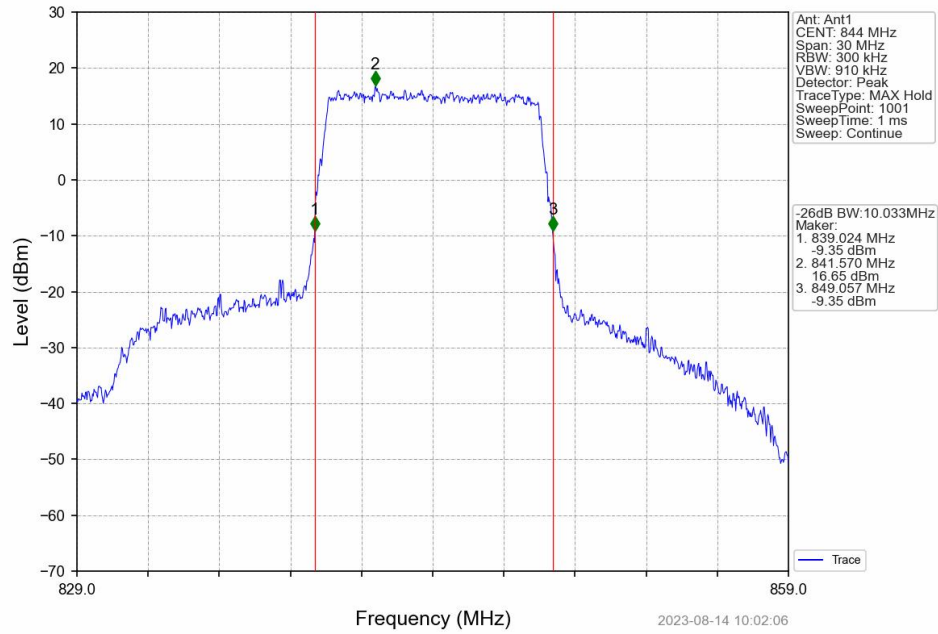
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



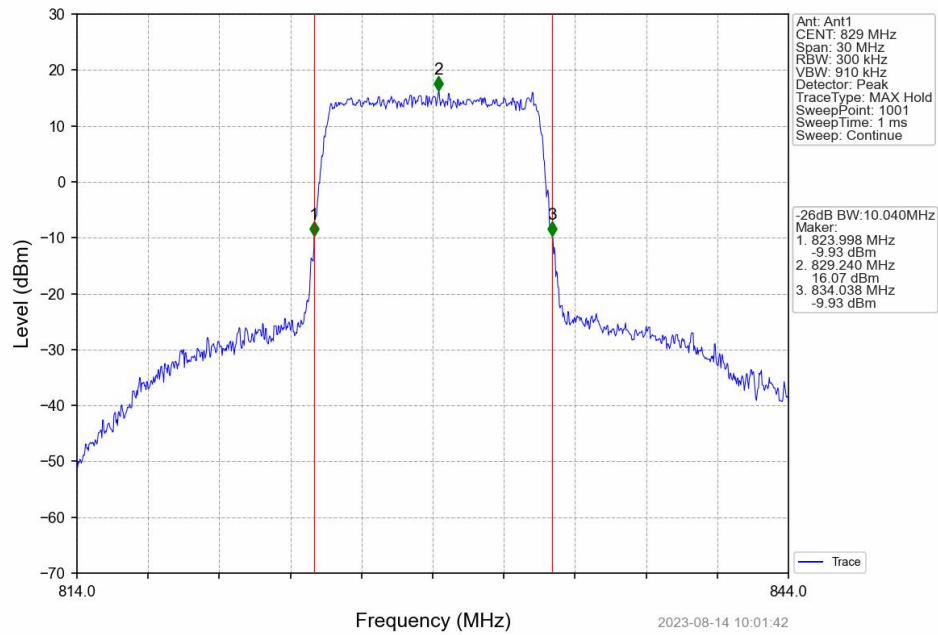
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



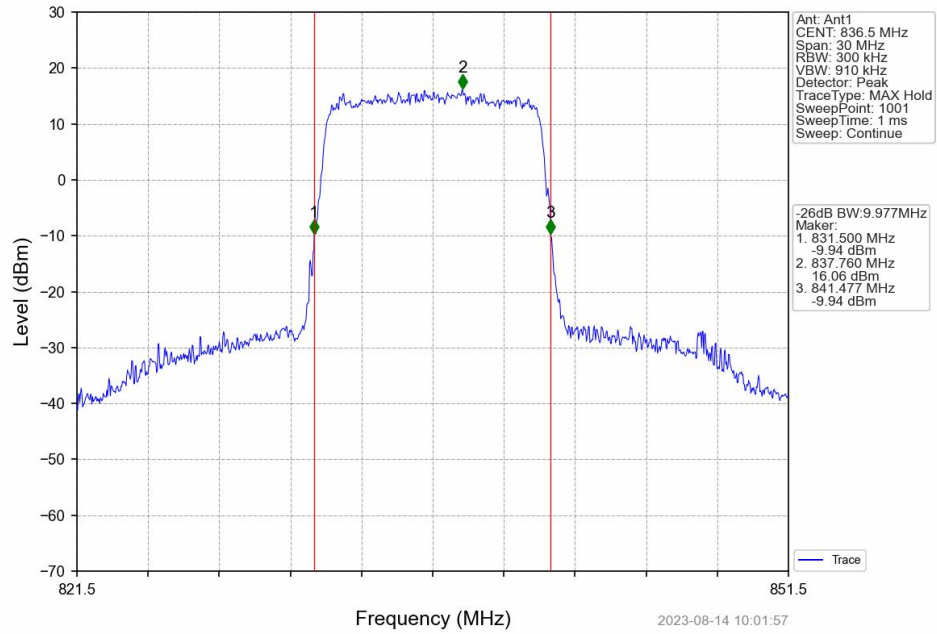
Band5_10MHz QPSK HCH 844MHz RB 50 0 NTN



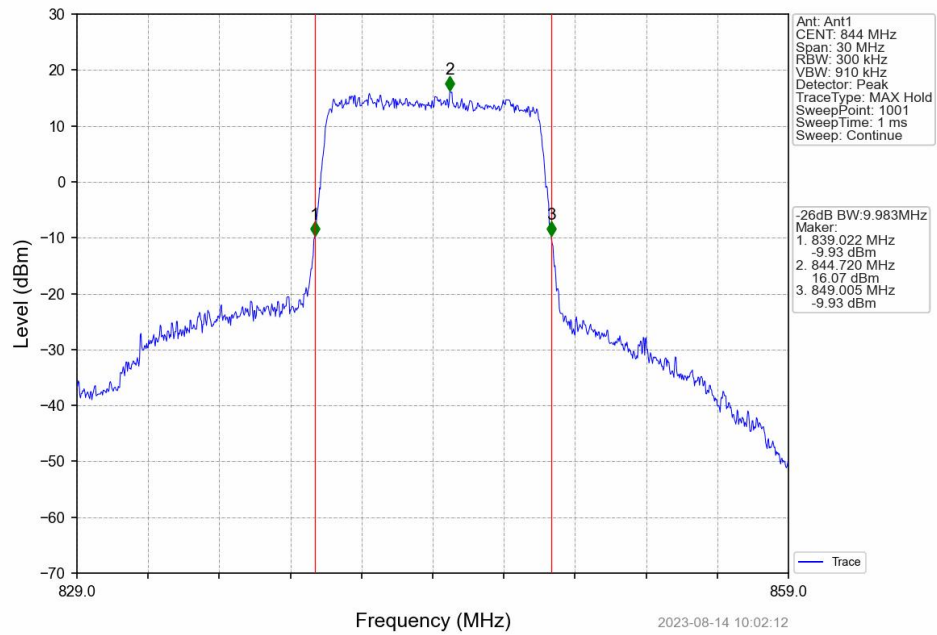
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0 NTN



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



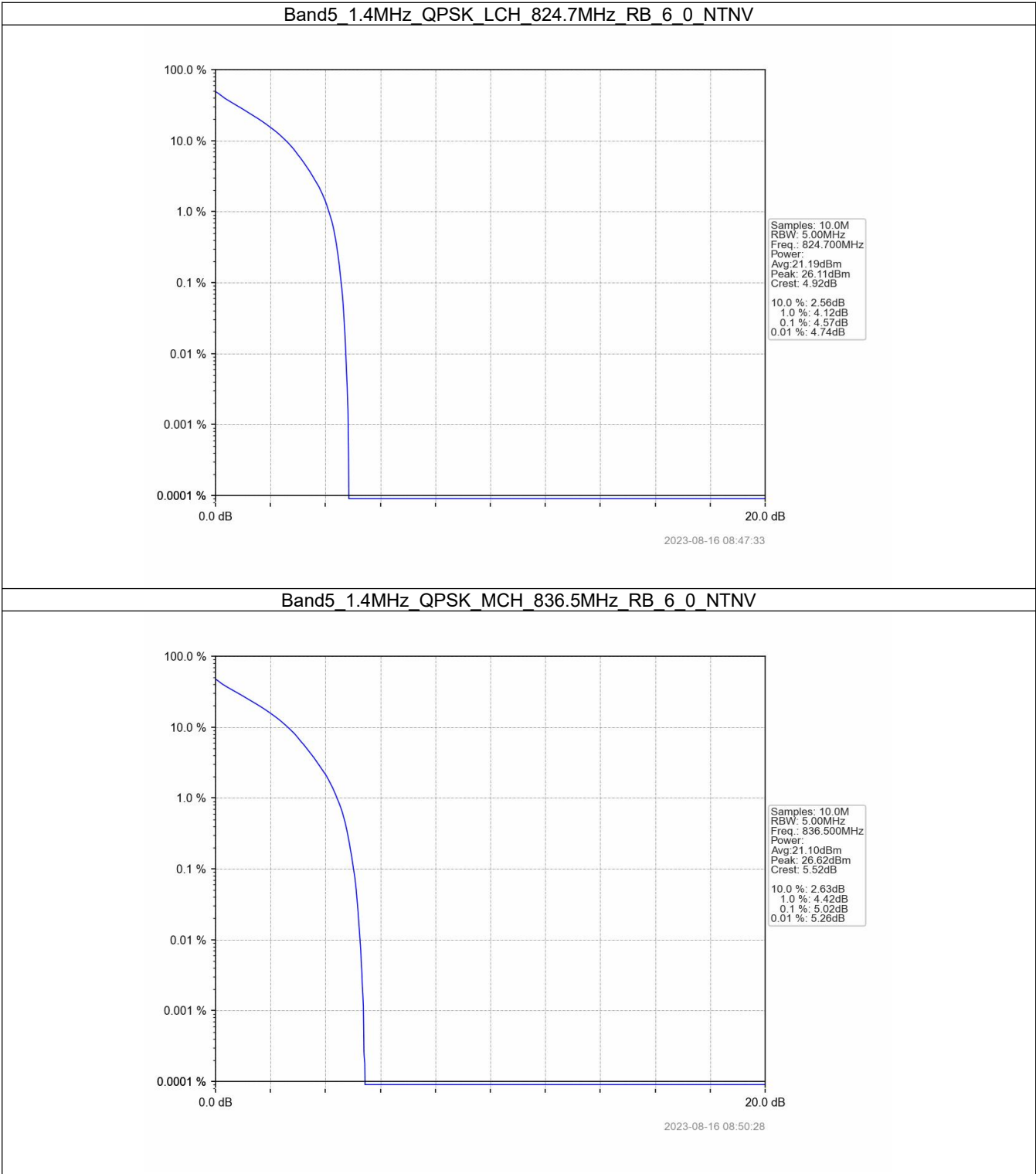
5. Peak-Average Ratio

5.1 B5_1.4MHz

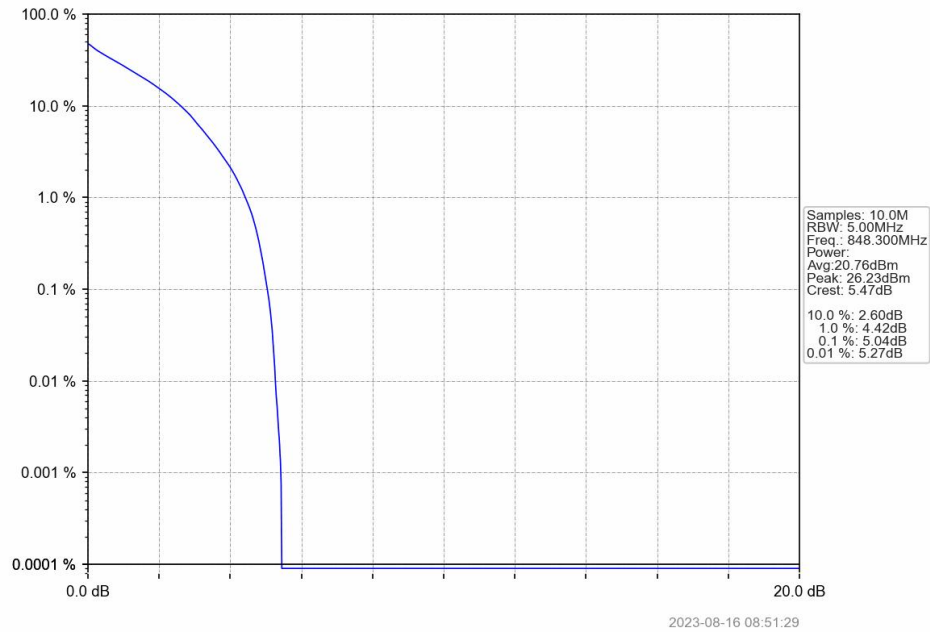
5.1.1 Test Result

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	4.57	<=13	Pass
	836.5	6	0	5.02	<=13	Pass
	848.3	6	0	5.04	<=13	Pass
16QAM	824.7	6	0	5.41	<=13	Pass
	836.5	6	0	5.87	<=13	Pass
	848.3	6	0	5.88	<=13	Pass

5.1.2 Test Graph



Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



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

