

TABLE OF CONTENTS

1. Conducted Output Power	1
2. Frequency Stability	5
3. 99% & 26dB Bandwidth	9
4. Peak-Average Ratio	27
5. Spurious Emission and Band Edge	42

1. Conducted Output Power

1.1 Test Result

1.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	824.7	1	0	23.69	Pass
			2	23.63	Pass
			5	23.70	Pass
		3	0	23.61	Pass
			2	23.64	Pass
			3	23.62	Pass
		6	0	22.57	Pass
	836.5	1	0	22.86	Pass
			2	22.83	Pass
			5	22.78	Pass
		3	0	22.80	Pass
			2	22.80	Pass
			3	22.87	Pass
		6	0	21.86	Pass
	848.3	1	0	22.81	Pass
			2	22.58	Pass
			5	22.41	Pass
		3	0	22.66	Pass
			2	22.55	Pass
			3	22.43	Pass
		6	0	21.71	Pass
16QAM	824.7	1	0	22.51	Pass
			2	22.54	Pass
			5	22.61	Pass
		3	0	22.69	Pass
			2	22.76	Pass
			3	22.81	Pass
		6	0	21.63	Pass
	836.5	1	0	21.82	Pass
			2	21.89	Pass
			5	21.92	Pass
		3	0	21.96	Pass
			2	21.96	Pass
			3	21.93	Pass
		6	0	20.89	Pass
	848.3	1	0	22.04	Pass
			2	21.89	Pass
			5	21.74	Pass
		3	0	21.83	Pass
			2	21.68	Pass
			3	21.60	Pass
		6	0	20.78	Pass

1.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	825.5	1	0	23.45	Pass
			7	23.56	Pass
			14	23.63	Pass
		8	0	22.49	Pass
			4	22.53	Pass
			7	22.57	Pass
		15	0	22.49	Pass
	836.5	1	0	22.76	Pass
			7	22.87	Pass
			14	22.59	Pass
		8	0	21.77	Pass
			4	21.81	Pass
			7	21.76	Pass
		15	0	21.80	Pass
	847.5	1	0	23.09	Pass
			7	22.84	Pass
			14	22.28	Pass
		8	0	22.10	Pass
			4	21.92	Pass
			7	21.73	Pass
		15	0	21.90	Pass
16QAM	825.5	1	0	22.44	Pass
			7	22.57	Pass
			14	22.65	Pass
		8	0	21.60	Pass
			4	21.66	Pass
			7	21.67	Pass
		15	0	21.64	Pass
	836.5	1	0	21.90	Pass
			7	22.01	Pass
			14	21.83	Pass
		8	0	20.86	Pass
			4	20.89	Pass
			7	20.83	Pass
		15	0	20.89	Pass
	847.5	1	0	22.70	Pass
			7	22.50	Pass
			14	22.03	Pass
		8	0	21.30	Pass
			4	21.25	Pass
			7	21.02	Pass
		15	0	21.09	Pass

1.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	826.5	1	0	23.62	Pass
			13	23.81	Pass
			24	23.91	Pass
		12	0	22.51	Pass
			6	22.62	Pass
			13	22.75	Pass
		25	0	22.65	Pass
	836.5	1	0	22.99	Pass
			13	22.83	Pass
			24	22.73	Pass
		12	0	21.76	Pass
			6	21.84	Pass
			13	21.67	Pass
		25	0	21.82	Pass
	846.5	1	0	23.20	Pass
			13	23.16	Pass
			24	22.51	Pass
		12	0	22.12	Pass
			6	22.20	Pass
			13	21.89	Pass
		25	0	22.03	Pass
16QAM	826.5	1	0	22.69	Pass
			13	22.86	Pass
			24	23.00	Pass
		12	0	21.55	Pass
			6	21.73	Pass
			13	21.78	Pass
		25	0	21.65	Pass
	836.5	1	0	22.20	Pass
			13	22.14	Pass
			24	22.01	Pass
		12	0	20.93	Pass
			6	21.01	Pass
			13	20.81	Pass
		25	0	20.91	Pass
	846.5	1	0	22.11	Pass
			13	22.08	Pass
			24	21.54	Pass
		12	0	21.21	Pass
			6	21.28	Pass
			13	20.93	Pass
		25	0	21.15	Pass

1.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Verdict
		Size	Offset		
QPSK	829	1	0	23.47	Pass
			25	23.81	Pass
			49	23.06	Pass
		25	0	22.51	Pass
			13	22.61	Pass
			25	22.33	Pass
		50	0	22.39	Pass
	836.5	1	0	23.30	Pass
			25	22.68	Pass
			49	22.62	Pass
		25	0	21.60	Pass
			13	21.72	Pass
			25	21.52	Pass
		50	0	21.65	Pass
	844	1	0	22.58	Pass
			25	22.94	Pass
			49	22.42	Pass
		25	0	21.60	Pass
			13	22.03	Pass
			25	21.90	Pass
		50	0	21.70	Pass

2. Frequency Stability

2.1 Test Result

2.1.1 B5_1.4MHz

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	25	3.33	-13.218	-0.0160	-2.5 to 2.5	Pass
					3.70	-18.253	-0.0221	-2.5 to 2.5	Pass
					4.07	-21.973	-0.0266	-2.5 to 2.5	Pass
				0	3.70	-15.650	-0.0190	-2.5 to 2.5	Pass
				10	3.70	-20.356	-0.0247	-2.5 to 2.5	Pass
				20	3.70	-21.372	-0.0259	-2.5 to 2.5	Pass
				30	3.70	-10.972	-0.0133	-2.5 to 2.5	Pass
				35	3.70	-9.999	-0.0121	-2.5 to 2.5	Pass
	836.5	6	0	25	3.33	-17.123	-0.0205	-2.5 to 2.5	Pass
					3.70	-7.010	-0.0084	-2.5 to 2.5	Pass
					4.07	-1.230	-0.0015	-2.5 to 2.5	Pass
				0	3.70	-17.910	-0.0214	-2.5 to 2.5	Pass
				10	3.70	-15.535	-0.0186	-2.5 to 2.5	Pass
				20	3.70	-10.543	-0.0126	-2.5 to 2.5	Pass
				30	3.70	-6.609	-0.0079	-2.5 to 2.5	Pass
				35	3.70	-13.947	-0.0167	-2.5 to 2.5	Pass
	848.3	6	0	25	3.33	-10.371	-0.0122	-2.5 to 2.5	Pass
					3.70	-0.315	-0.0004	-2.5 to 2.5	Pass
					4.07	-14.777	-0.0174	-2.5 to 2.5	Pass
				0	3.70	-10.571	-0.0125	-2.5 to 2.5	Pass
				10	3.70	-4.148	-0.0049	-2.5 to 2.5	Pass
				20	3.70	-19.126	-0.0225	-2.5 to 2.5	Pass
				30	3.70	-19.026	-0.0224	-2.5 to 2.5	Pass
				35	3.70	-1.659	-0.0020	-2.5 to 2.5	Pass
16QAM	824.7	6	0	25	3.33	-18.725	-0.0227	-2.5 to 2.5	Pass
					3.70	-3.119	-0.0038	-2.5 to 2.5	Pass
					4.07	-4.478	-0.0054	-2.5 to 2.5	Pass
				0	3.70	-7.496	-0.0091	-2.5 to 2.5	Pass
				10	3.70	-6.967	-0.0084	-2.5 to 2.5	Pass
				20	3.70	-11.673	-0.0142	-2.5 to 2.5	Pass
				30	3.70	-16.265	-0.0197	-2.5 to 2.5	Pass
				35	3.70	-8.698	-0.0105	-2.5 to 2.5	Pass
	836.5	6	0	25	3.33	1.931	0.0023	-2.5 to 2.5	Pass
					3.70	7.381	0.0088	-2.5 to 2.5	Pass
					4.07	8.798	0.0105	-2.5 to 2.5	Pass
				0	3.70	14.176	0.0169	-2.5 to 2.5	Pass
				10	3.70	12.689	0.0152	-2.5 to 2.5	Pass
				20	3.70	16.122	0.0193	-2.5 to 2.5	Pass
				30	3.70	22.831	0.0273	-2.5 to 2.5	Pass
				35	3.70	-4.277	-0.0051	-2.5 to 2.5	Pass
	848.3	6	0	25	3.33	-4.950	-0.0058	-2.5 to 2.5	Pass
					3.70	0.615	0.0007	-2.5 to 2.5	Pass
					4.07	2.446	0.0029	-2.5 to 2.5	Pass
				0	3.70	9.456	0.0111	-2.5 to 2.5	Pass
				10	3.70	4.349	0.0051	-2.5 to 2.5	Pass
				20	3.70	14.620	0.0172	-2.5 to 2.5	Pass
				30	3.70	20.399	0.0240	-2.5 to 2.5	Pass
				35	3.70	-1.988	-0.0023	-2.5 to 2.5	Pass

2.1.2 B5_3MHz

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	25	3.33	-13.061	-0.0158	-2.5 to 2.5	Pass
					3.70	-8.326	-0.0101	-2.5 to 2.5	Pass
					4.07	-13.433	-0.0163	-2.5 to 2.5	Pass
				0	3.70	-14.577	-0.0177	-2.5 to 2.5	Pass
				10	3.70	-13.404	-0.0162	-2.5 to 2.5	Pass
				20	3.70	-12.946	-0.0157	-2.5 to 2.5	Pass
				30	3.70	-13.776	-0.0167	-2.5 to 2.5	Pass
				35	3.70	-17.753	-0.0215	-2.5 to 2.5	Pass
	836.5	15	0	25	3.33	-6.595	-0.0079	-2.5 to 2.5	Pass
					3.70	-11.315	-0.0135	-2.5 to 2.5	Pass
					4.07	-17.667	-0.0211	-2.5 to 2.5	Pass
				0	3.70	-2.661	-0.0032	-2.5 to 2.5	Pass
				10	3.70	-8.154	-0.0097	-2.5 to 2.5	Pass
				20	3.70	-16.880	-0.0202	-2.5 to 2.5	Pass
				30	3.70	-11.630	-0.0139	-2.5 to 2.5	Pass
				35	3.70	-18.125	-0.0217	-2.5 to 2.5	Pass
	847.5	15	0	25	3.33	0.257	0.0003	-2.5 to 2.5	Pass
					3.70	-14.863	-0.0175	-2.5 to 2.5	Pass
					4.07	-7.524	-0.0089	-2.5 to 2.5	Pass
				0	3.70	-2.503	-0.0030	-2.5 to 2.5	Pass
				10	3.70	-11.230	-0.0133	-2.5 to 2.5	Pass
				20	3.70	-3.276	-0.0039	-2.5 to 2.5	Pass
				30	3.70	-16.465	-0.0194	-2.5 to 2.5	Pass
				35	3.70	-23.088	-0.0272	-2.5 to 2.5	Pass
16QAM	825.5	15	0	25	3.33	-10.571	-0.0128	-2.5 to 2.5	Pass
					3.70	-20.456	-0.0248	-2.5 to 2.5	Pass
					4.07	-12.975	-0.0157	-2.5 to 2.5	Pass
				0	3.70	-21.644	-0.0262	-2.5 to 2.5	Pass
				10	3.70	1.917	0.0023	-2.5 to 2.5	Pass
				20	3.70	-5.922	-0.0072	-2.5 to 2.5	Pass
				30	3.70	-6.137	-0.0074	-2.5 to 2.5	Pass
				35	3.70	-14.949	-0.0181	-2.5 to 2.5	Pass
	836.5	15	0	25	3.33	-16.322	-0.0195	-2.5 to 2.5	Pass
					3.70	-13.976	-0.0167	-2.5 to 2.5	Pass
					4.07	-6.123	-0.0073	-2.5 to 2.5	Pass
				0	3.70	-6.795	-0.0081	-2.5 to 2.5	Pass
				10	3.70	-1.731	-0.0021	-2.5 to 2.5	Pass
				20	3.70	6.151	0.0074	-2.5 to 2.5	Pass
				30	3.70	8.540	0.0102	-2.5 to 2.5	Pass
				35	3.70	6.723	0.0080	-2.5 to 2.5	Pass
	847.5	15	0	25	3.33	-4.020	-0.0047	-2.5 to 2.5	Pass
					3.70	0.801	0.0009	-2.5 to 2.5	Pass
					4.07	4.020	0.0047	-2.5 to 2.5	Pass
				0	3.70	4.249	0.0050	-2.5 to 2.5	Pass
				10	3.70	6.151	0.0073	-2.5 to 2.5	Pass
				20	3.70	7.539	0.0089	-2.5 to 2.5	Pass
				30	3.70	8.411	0.0099	-2.5 to 2.5	Pass
				35	3.70	18.325	0.0216	-2.5 to 2.5	Pass

2.1.3 B5_5MHz

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	25	3.33	-14.091	-0.0170	-2.5 to 2.5	Pass
					3.70	-10.757	-0.0130	-2.5 to 2.5	Pass
					4.07	-17.838	-0.0216	-2.5 to 2.5	Pass
				0	3.70	-13.018	-0.0158	-2.5 to 2.5	Pass
				10	3.70	-20.156	-0.0244	-2.5 to 2.5	Pass
				20	3.70	-21.086	-0.0255	-2.5 to 2.5	Pass
				30	3.70	-20.757	-0.0251	-2.5 to 2.5	Pass
				35	3.70	-3.319	-0.0040	-2.5 to 2.5	Pass
	836.5	25	0	25	3.33	-22.960	-0.0274	-2.5 to 2.5	Pass
					3.70	-0.358	-0.0004	-2.5 to 2.5	Pass
					4.07	-1.473	-0.0018	-2.5 to 2.5	Pass
				0	3.70	-6.909	-0.0083	-2.5 to 2.5	Pass
				10	3.70	-5.336	-0.0064	-2.5 to 2.5	Pass
				20	3.70	-11.587	-0.0139	-2.5 to 2.5	Pass
				30	3.70	-3.762	-0.0045	-2.5 to 2.5	Pass
				35	3.70	-16.751	-0.0200	-2.5 to 2.5	Pass
	846.5	25	0	25	3.33	-15.821	-0.0187	-2.5 to 2.5	Pass
					3.70	-6.337	-0.0075	-2.5 to 2.5	Pass
					4.07	-19.641	-0.0232	-2.5 to 2.5	Pass
				0	3.70	-5.951	-0.0070	-2.5 to 2.5	Pass
				10	3.70	-10.614	-0.0125	-2.5 to 2.5	Pass
				20	3.70	-1.059	-0.0013	-2.5 to 2.5	Pass
				30	3.70	-15.349	-0.0181	-2.5 to 2.5	Pass
				35	3.70	-22.874	-0.0270	-2.5 to 2.5	Pass
16QAM	826.5	25	0	25	3.33	-0.186	-0.0002	-2.5 to 2.5	Pass
					3.70	-13.518	-0.0164	-2.5 to 2.5	Pass
					4.07	0.672	0.0008	-2.5 to 2.5	Pass
				0	3.70	-3.247	-0.0039	-2.5 to 2.5	Pass
				10	3.70	-2.861	-0.0035	-2.5 to 2.5	Pass
				20	3.70	-11.187	-0.0135	-2.5 to 2.5	Pass
				30	3.70	-10.815	-0.0131	-2.5 to 2.5	Pass
				35	3.70	-12.417	-0.0150	-2.5 to 2.5	Pass
	836.5	25	0	25	3.33	-8.740	-0.0104	-2.5 to 2.5	Pass
					3.70	-9.098	-0.0109	-2.5 to 2.5	Pass
					4.07	-2.460	-0.0029	-2.5 to 2.5	Pass
				0	3.70	4.721	0.0056	-2.5 to 2.5	Pass
				10	3.70	10.686	0.0128	-2.5 to 2.5	Pass
				20	3.70	15.807	0.0189	-2.5 to 2.5	Pass
				30	3.70	19.541	0.0234	-2.5 to 2.5	Pass
				35	3.70	-4.492	-0.0054	-2.5 to 2.5	Pass
	846.5	25	0	25	3.33	-14.548	-0.0172	-2.5 to 2.5	Pass
					3.70	-17.796	-0.0210	-2.5 to 2.5	Pass
					4.07	-4.292	-0.0051	-2.5 to 2.5	Pass
				0	3.70	-3.119	-0.0037	-2.5 to 2.5	Pass
				10	3.70	0.544	0.0006	-2.5 to 2.5	Pass
				20	3.70	2.432	0.0029	-2.5 to 2.5	Pass
				30	3.70	8.740	0.0103	-2.5 to 2.5	Pass
				35	3.70	7.095	0.0084	-2.5 to 2.5	Pass

2.1.4 B5_10MHz

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	25	3.33	-17.023	-0.0205	-2.5 to 2.5	Pass
					3.70	-11.845	-0.0143	-2.5 to 2.5	Pass
					4.07	-14.348	-0.0173	-2.5 to 2.5	Pass
				0	3.70	-14.048	-0.0169	-2.5 to 2.5	Pass
				10	3.70	-13.490	-0.0163	-2.5 to 2.5	Pass
				20	3.70	-16.136	-0.0195	-2.5 to 2.5	Pass
				30	3.70	-3.304	-0.0040	-2.5 to 2.5	Pass
				35	3.70	-13.390	-0.0162	-2.5 to 2.5	Pass
	836.5	50	0	25	3.33	-1.531	-0.0018	-2.5 to 2.5	Pass
					3.70	0.386	0.0005	-2.5 to 2.5	Pass
					4.07	-12.145	-0.0145	-2.5 to 2.5	Pass
				0	3.70	-17.252	-0.0206	-2.5 to 2.5	Pass
				10	3.70	-0.916	-0.0011	-2.5 to 2.5	Pass
				20	3.70	-8.454	-0.0101	-2.5 to 2.5	Pass
				30	3.70	-1.245	-0.0015	-2.5 to 2.5	Pass
				35	3.70	-16.222	-0.0194	-2.5 to 2.5	Pass
	844	50	0	25	3.33	-4.220	-0.0050	-2.5 to 2.5	Pass
					3.70	3.834	0.0045	-2.5 to 2.5	Pass
					4.07	-17.095	-0.0203	-2.5 to 2.5	Pass
				0	3.70	-12.259	-0.0145	-2.5 to 2.5	Pass
				10	3.70	0.315	0.0004	-2.5 to 2.5	Pass
				20	3.70	-18.883	-0.0224	-2.5 to 2.5	Pass
				30	3.70	-3.133	-0.0037	-2.5 to 2.5	Pass
				35	3.70	-14.477	-0.0172	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

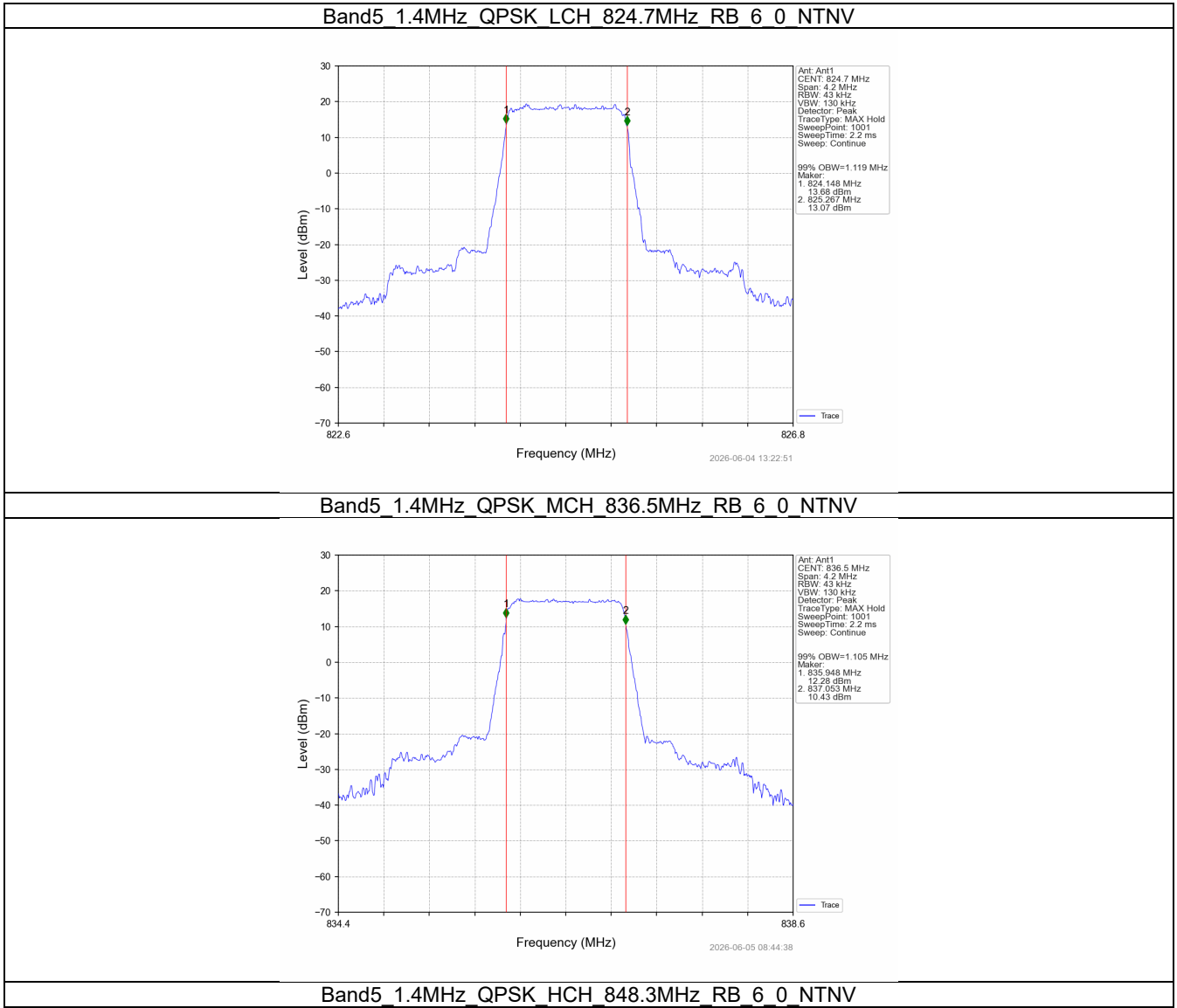
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.119	/	Pass
		836.5	6	0	1.105	/	Pass
		848.3	6	0	1.102	/	Pass
	16QAM	824.7	6	0	1.109	/	Pass
		836.5	6	0	1.103	/	Pass
		848.3	6	0	1.118	/	Pass
3	QPSK	825.5	15	0	2.737	/	Pass
		836.5	15	0	2.739	/	Pass
		847.5	15	0	2.734	/	Pass
	16QAM	825.5	15	0	2.725	/	Pass
		836.5	15	0	2.729	/	Pass
		847.5	15	0	2.729	/	Pass
5	QPSK	826.5	25	0	4.544	/	Pass
		836.5	25	0	4.537	/	Pass
		846.5	25	0	4.531	/	Pass
	16QAM	826.5	25	0	4.527	/	Pass
		836.5	25	0	4.542	/	Pass
		846.5	25	0	4.531	/	Pass
10	QPSK	829	50	0	9.038	/	Pass
		836.5	50	0	9.029	/	Pass
		844	50	0	9.038	/	Pass

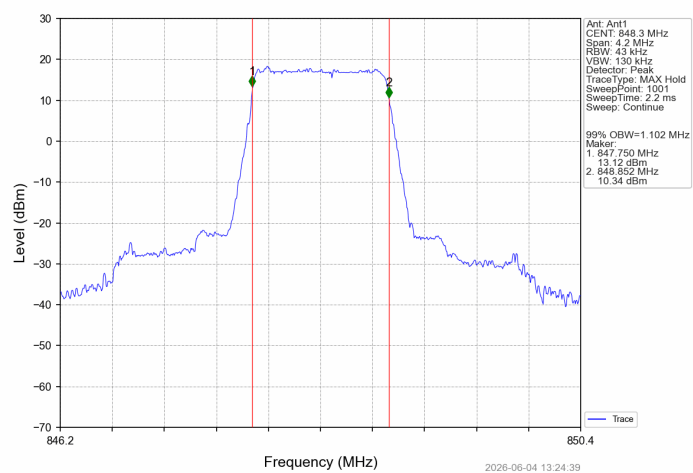
3.1.2 Band5_XDB

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.295	/	Pass
		836.5	6	0	1.310	/	Pass
		848.3	6	0	1.291	/	Pass
	16QAM	824.7	6	0	1.315	/	Pass
		836.5	6	0	1.286	/	Pass
		848.3	6	0	1.300	/	Pass
3	QPSK	825.5	15	0	3.015	/	Pass
		836.5	15	0	3.013	/	Pass
		847.5	15	0	3.003	/	Pass
	16QAM	825.5	15	0	3.005	/	Pass
		836.5	15	0	3.003	/	Pass
		847.5	15	0	3.029	/	Pass
5	QPSK	826.5	25	0	5.057	/	Pass
		836.5	25	0	5.009	/	Pass
		846.5	25	0	5.076	/	Pass
	16QAM	826.5	25	0	5.040	/	Pass
		836.5	25	0	5.014	/	Pass
		846.5	25	0	5.003	/	Pass
10	QPSK	829	50	0	9.839	/	Pass
		836.5	50	0	9.930	/	Pass
		844	50	0	9.862	/	Pass

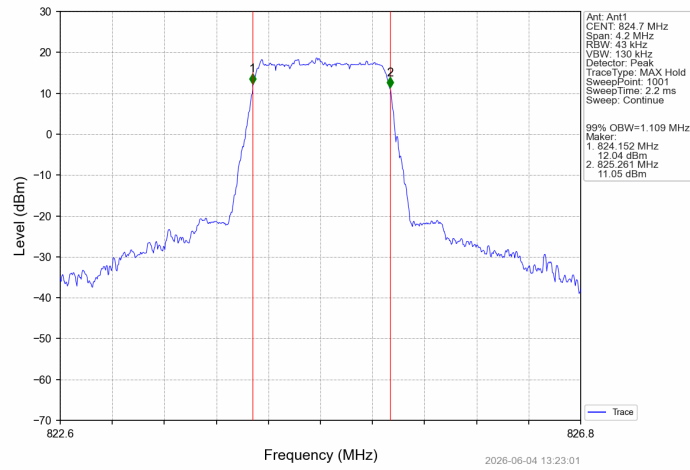
3.2 Test Graph

3.2.1 Band5_OBW

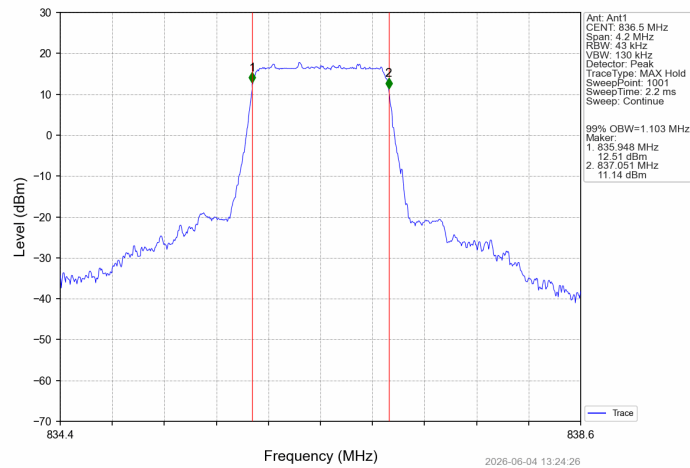




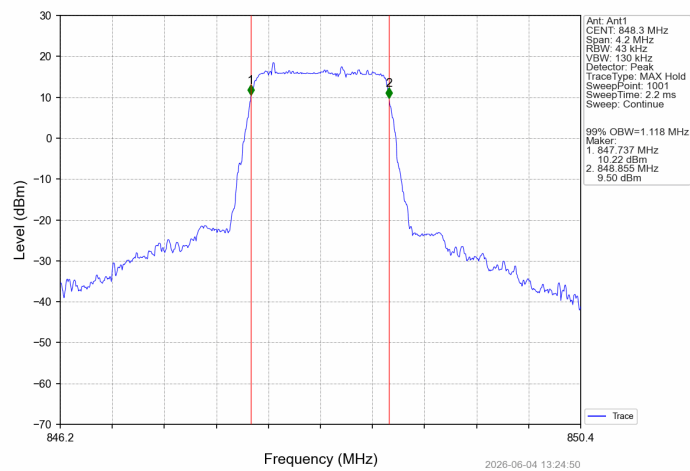
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



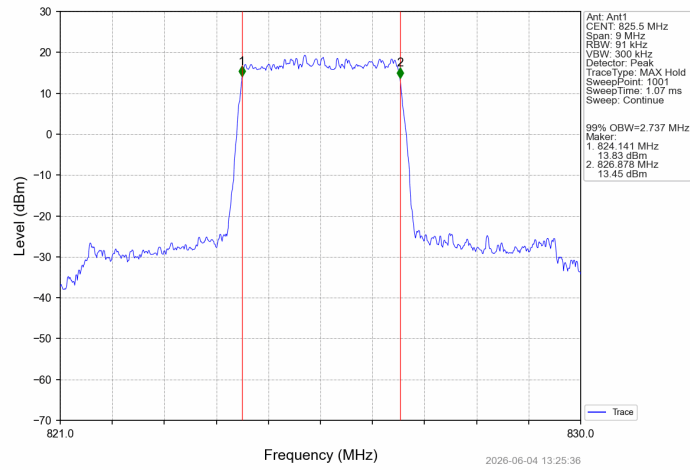
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



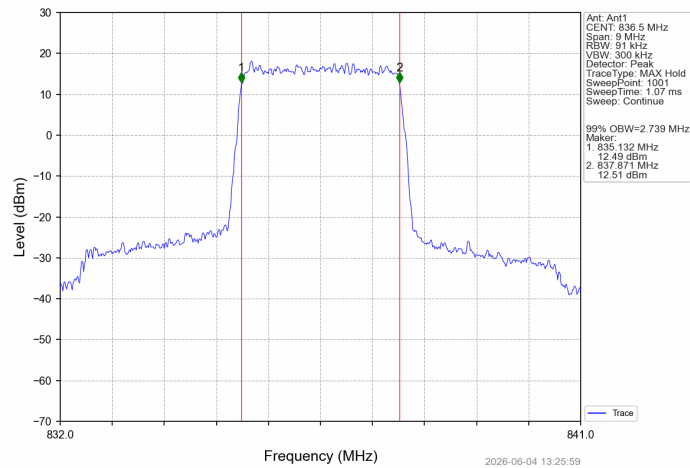
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



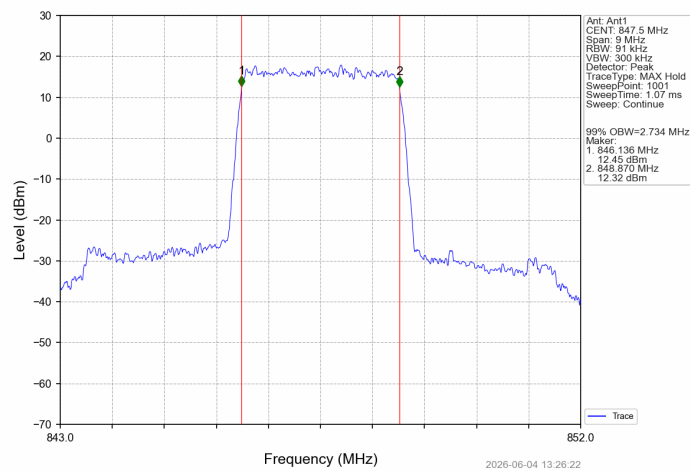
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



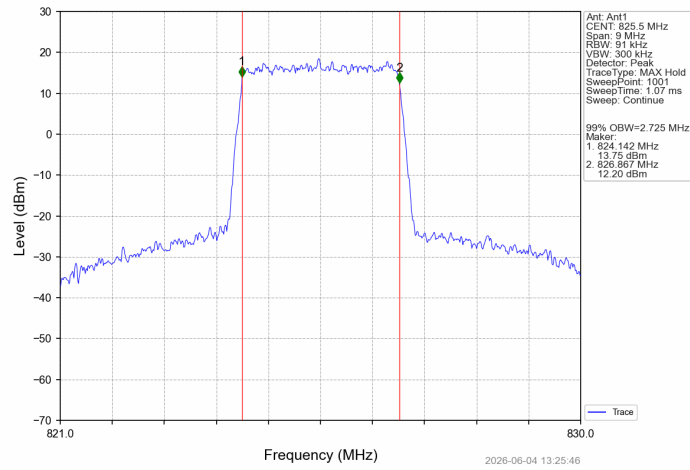
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



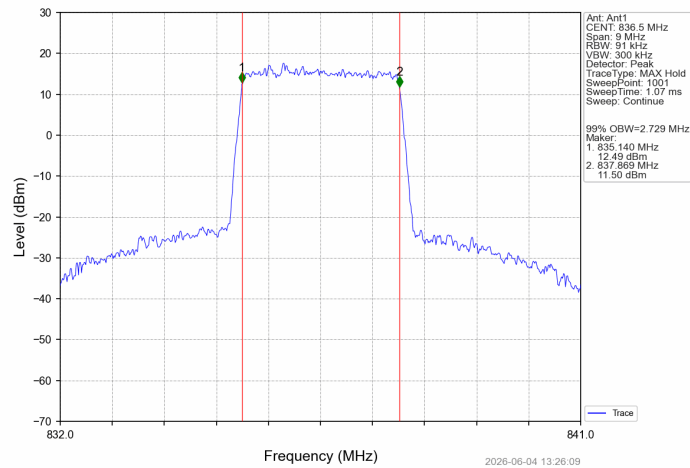
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



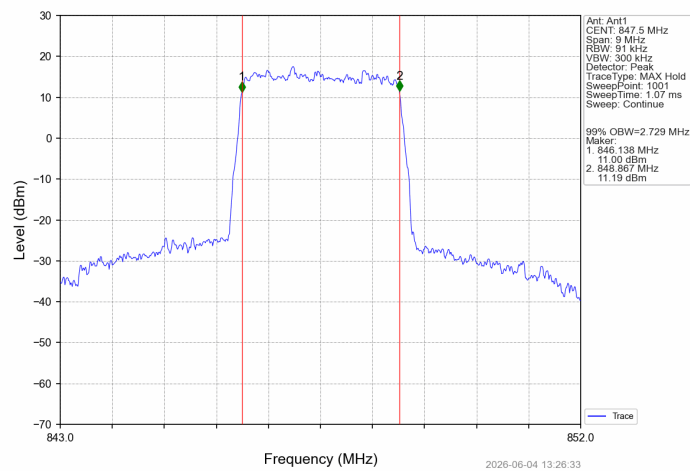
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV



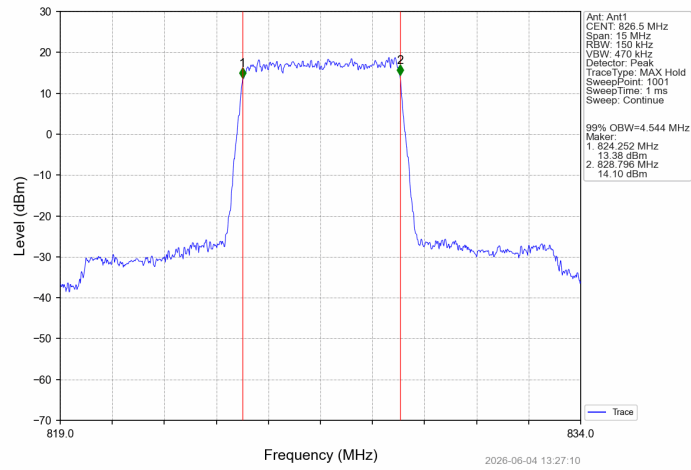
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



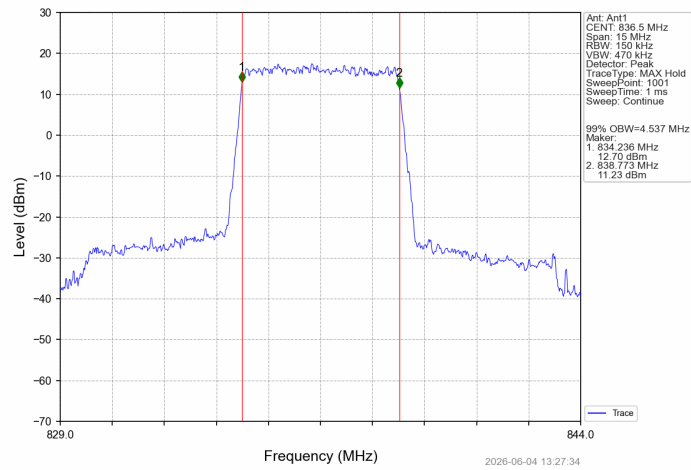
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



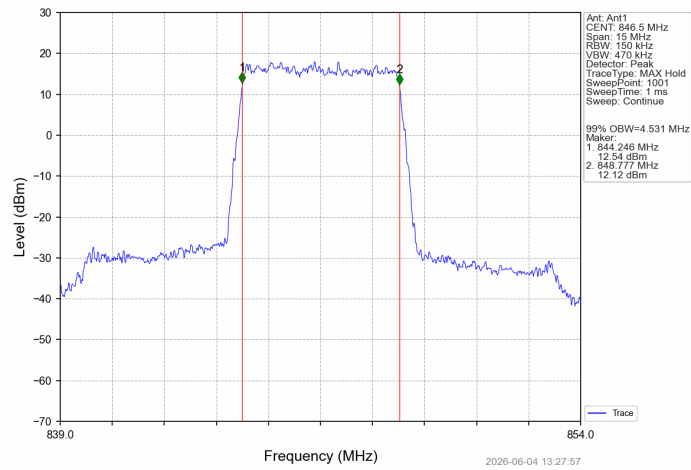
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



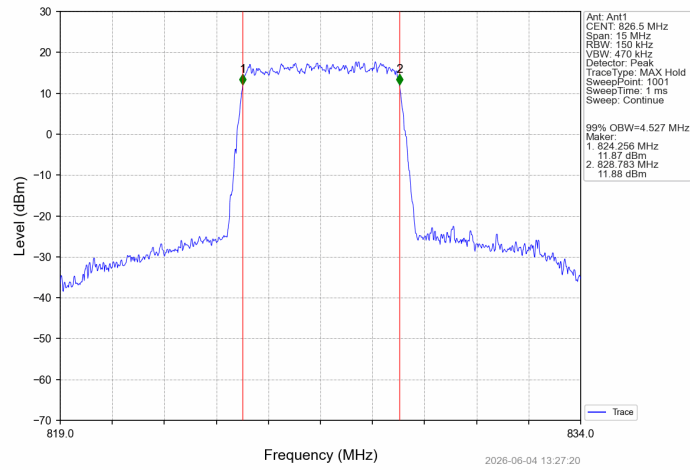
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



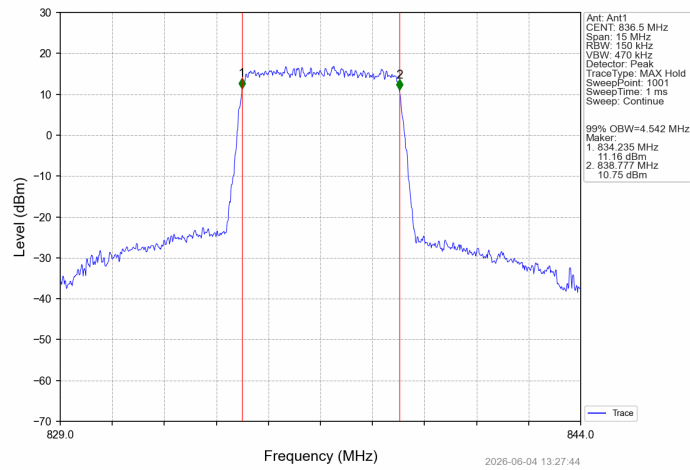
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



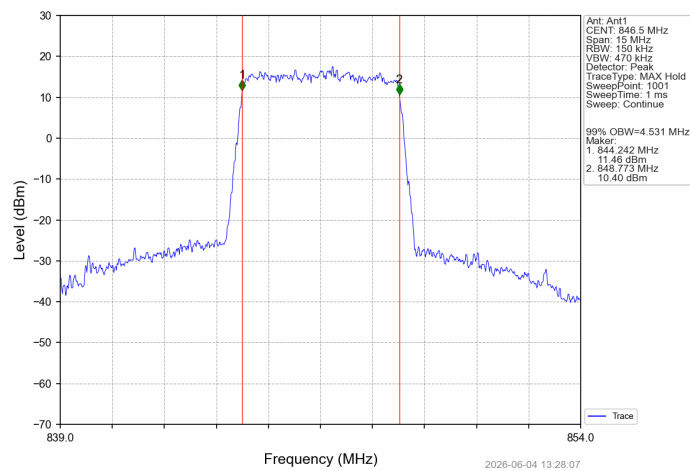
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTV



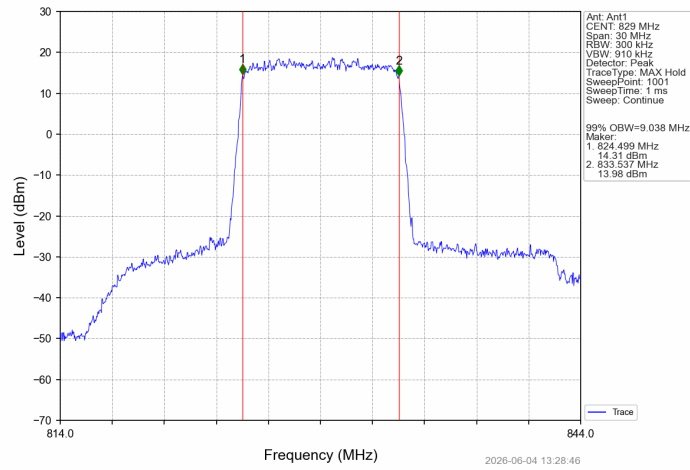
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTV



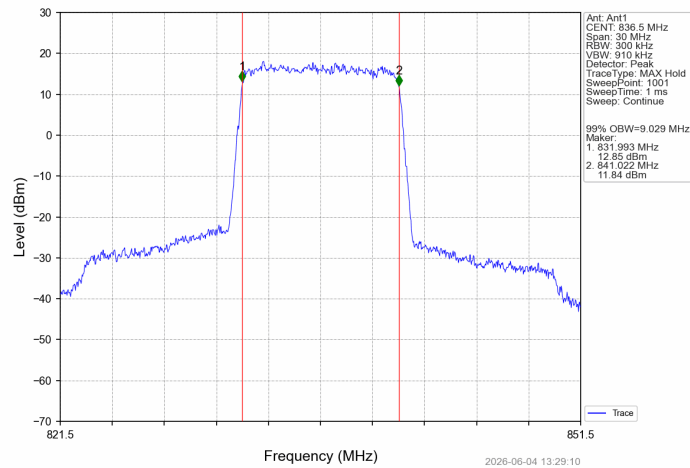
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV



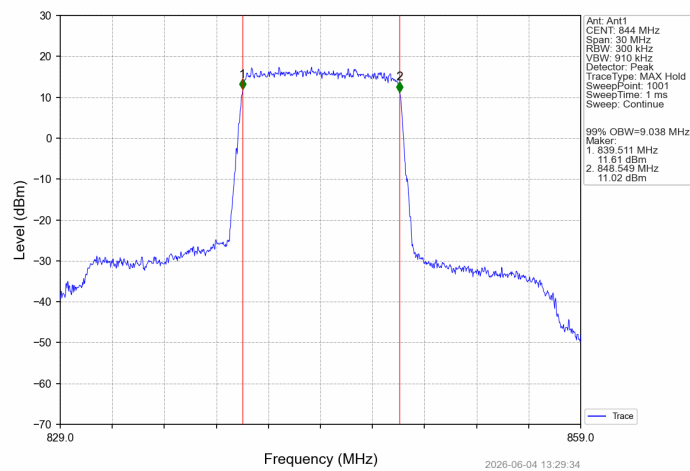
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



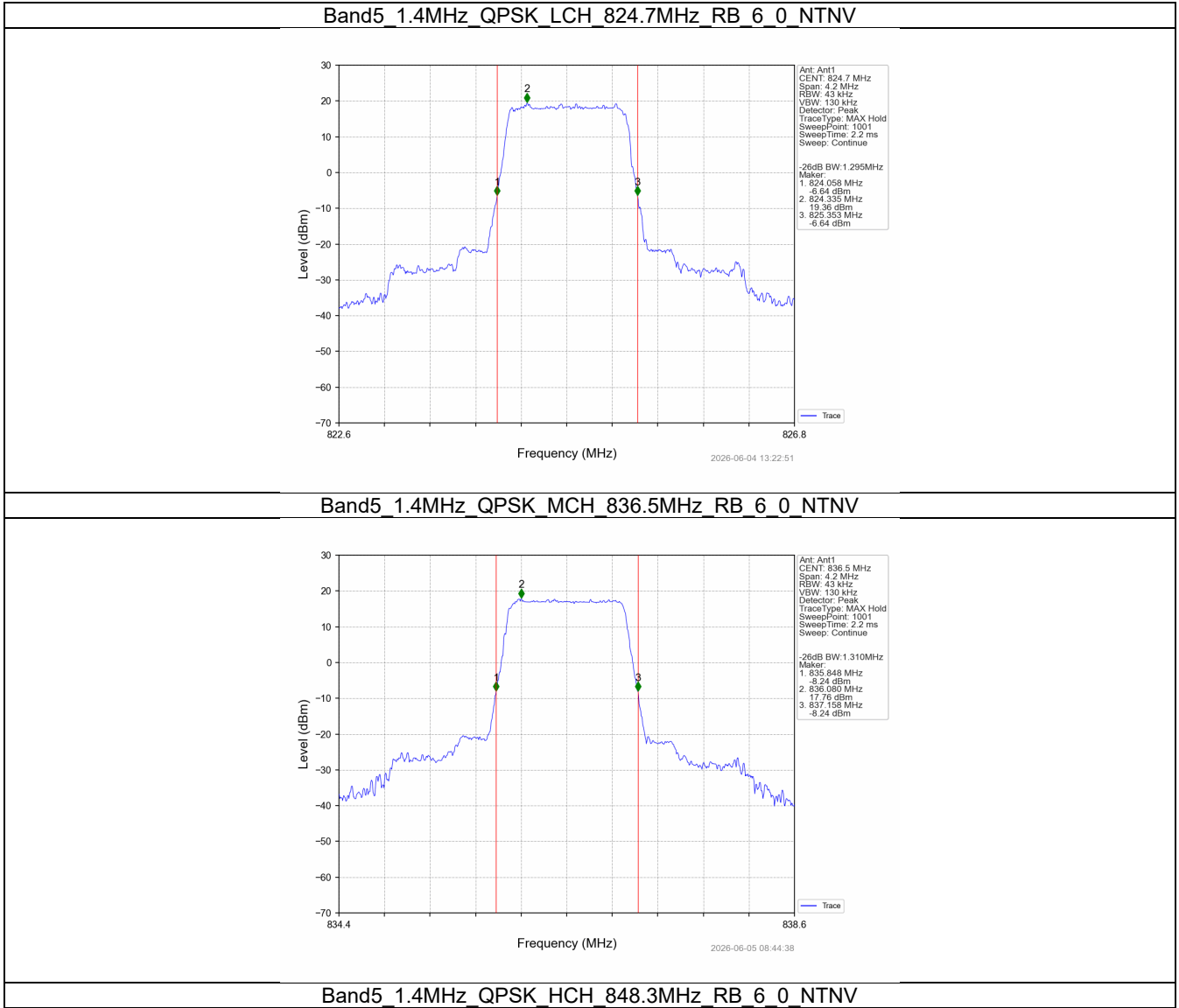
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV

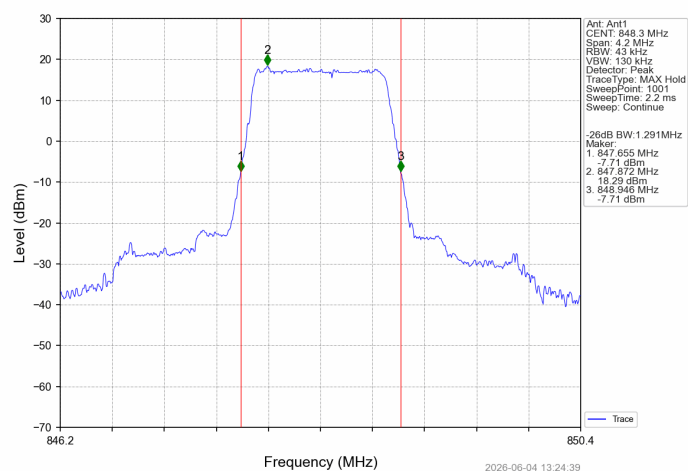


Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV

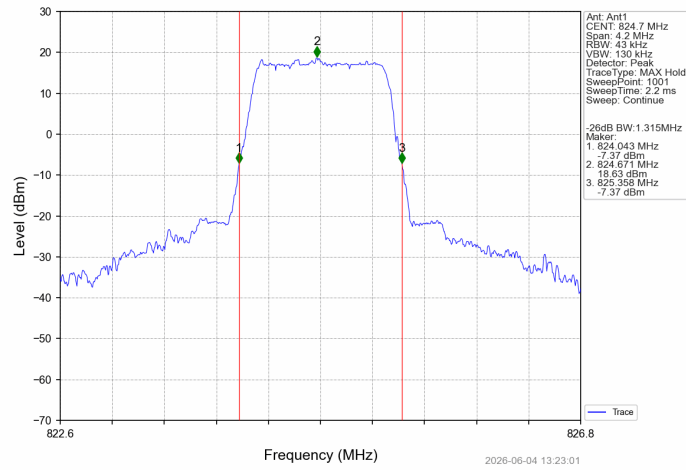


3.2.2 Band5_XDB

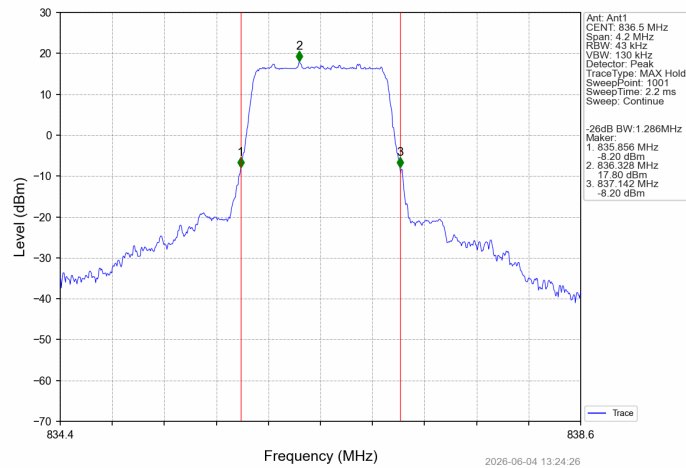




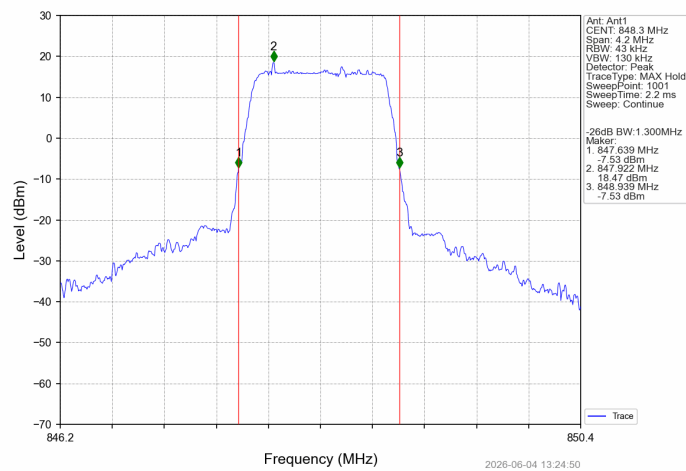
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



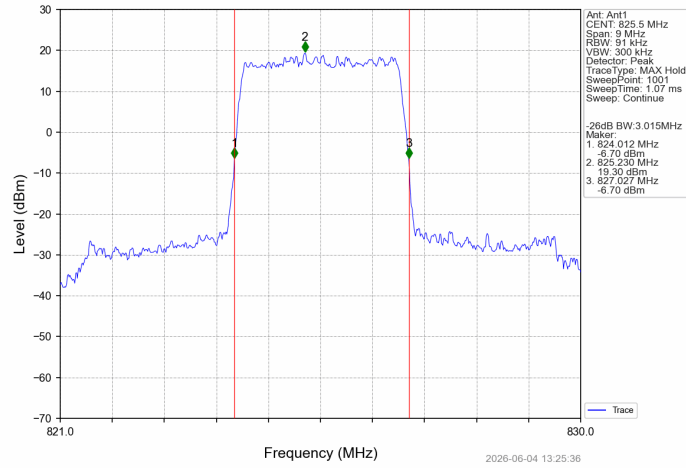
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



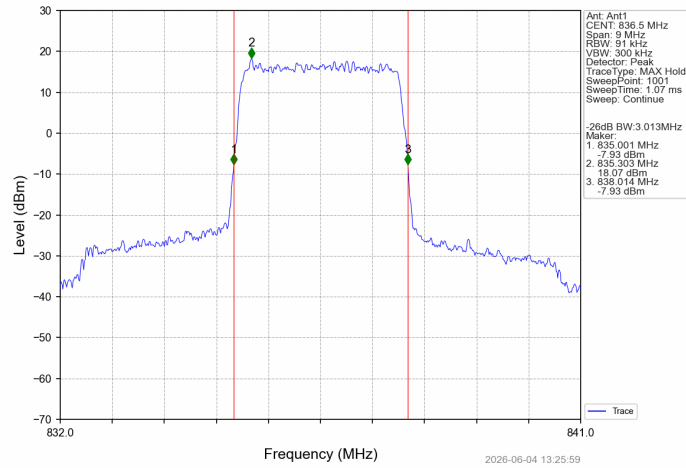
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



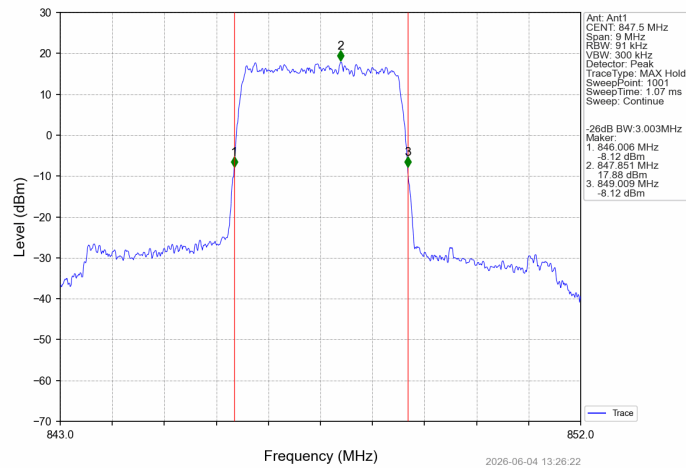
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



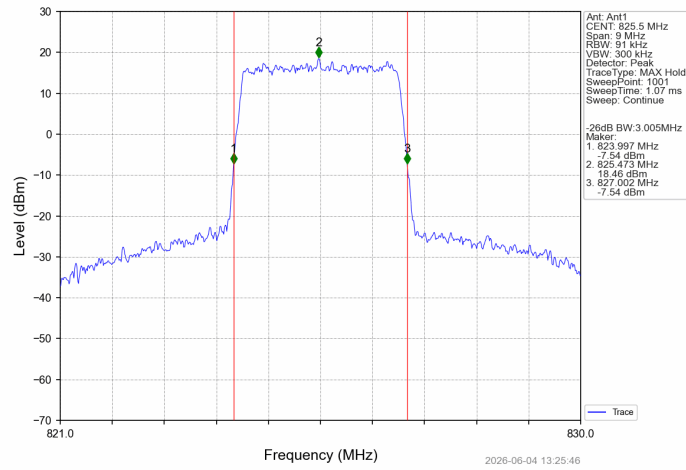
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



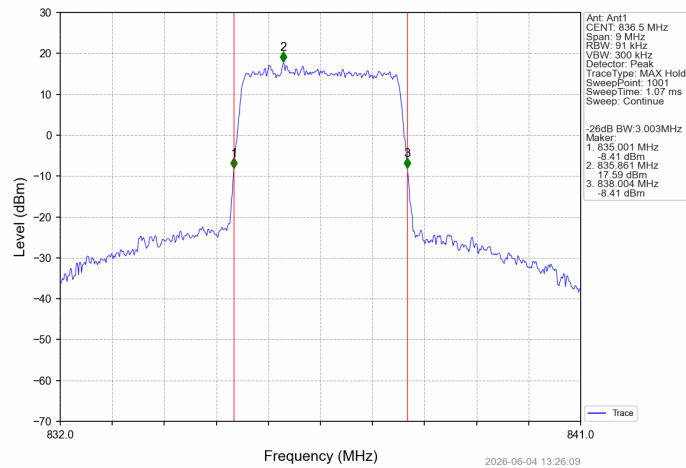
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



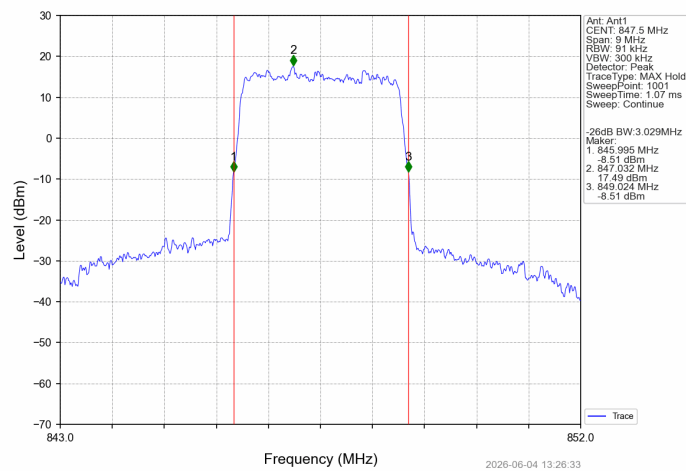
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV



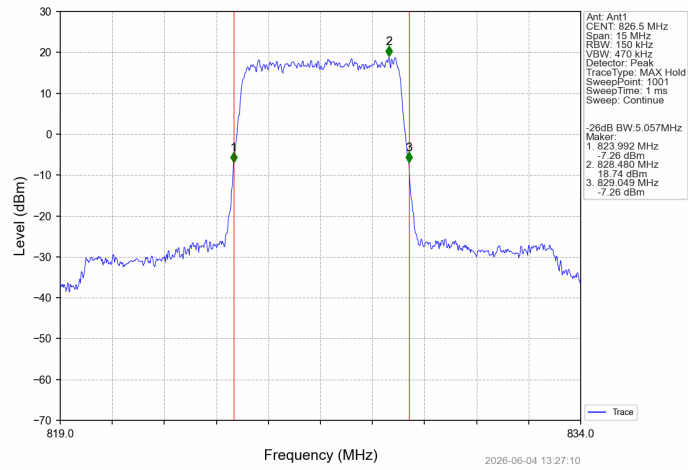
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



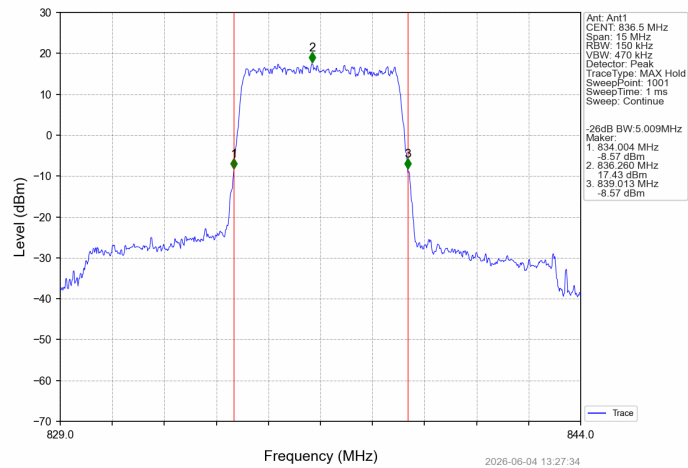
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



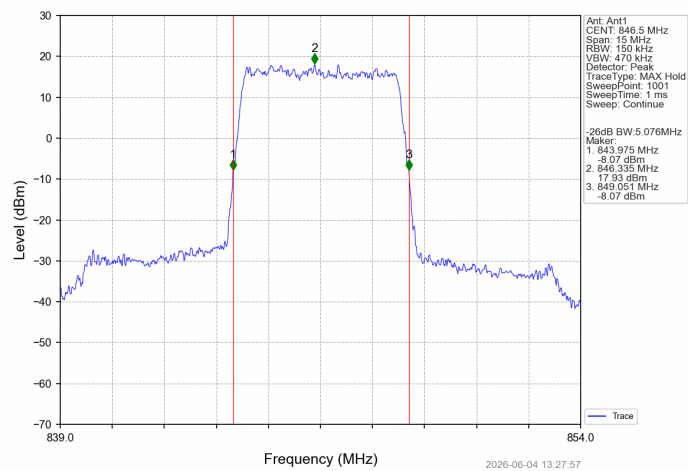
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



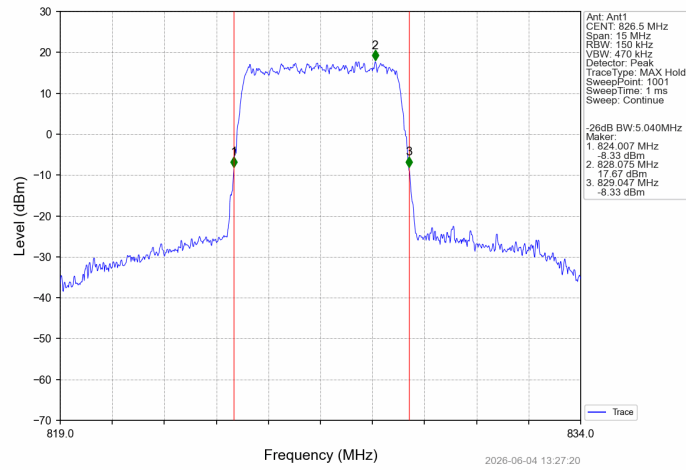
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



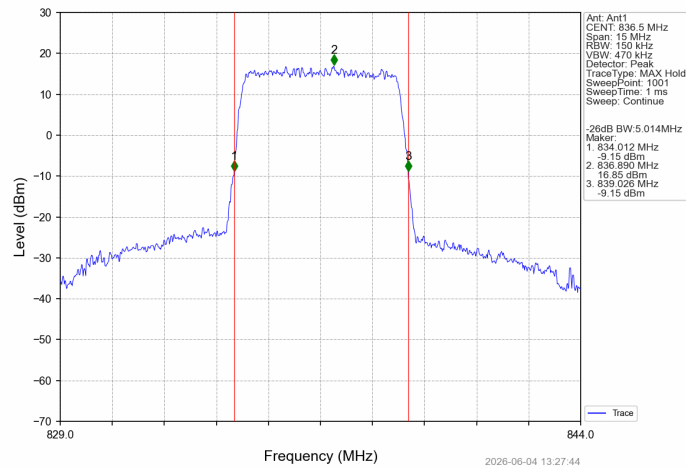
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



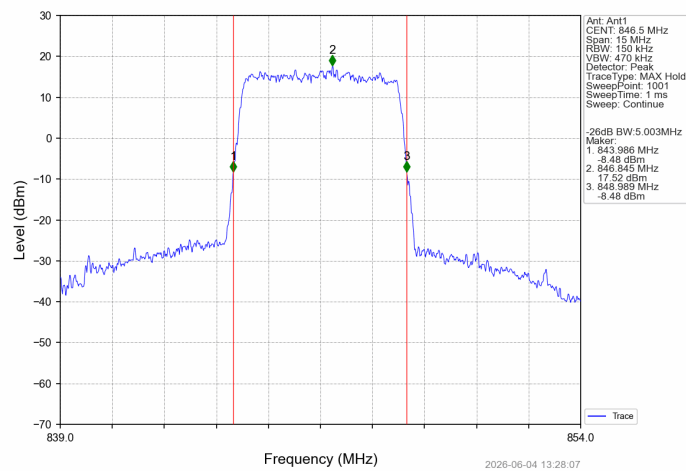
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



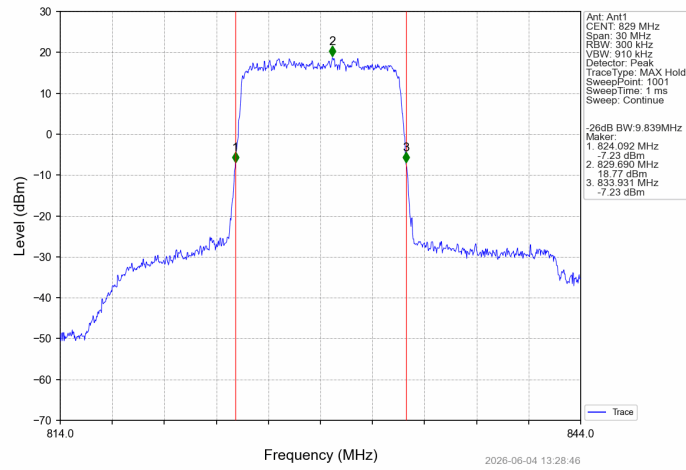
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



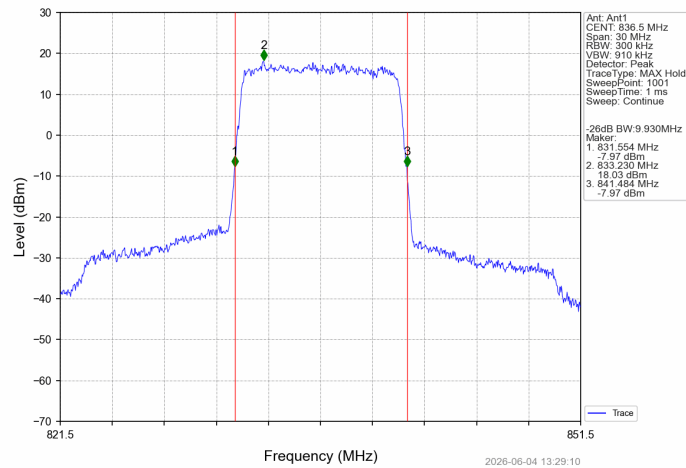
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



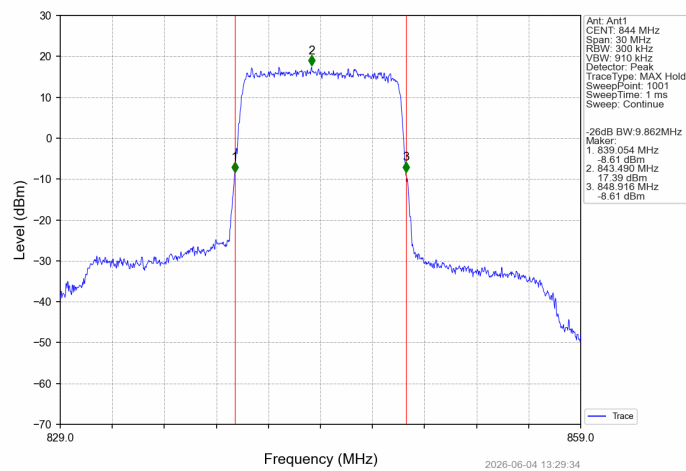
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	5.75	<=13	Pass
	836.5	6	0	4.53	<=13	Pass
	848.3	6	0	5.14	<=13	Pass
16QAM	824.7	6	0	6.30	<=13	Pass
	836.5	6	0	6.55	<=13	Pass
	848.3	6	0	5.75	<=13	Pass

4.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	5.79	<=13	Pass
	836.5	15	0	5.68	<=13	Pass
	847.5	15	0	5.31	<=13	Pass
16QAM	825.5	15	0	6.37	<=13	Pass
	836.5	15	0	6.49	<=13	Pass
	847.5	15	0	5.86	<=13	Pass

4.1.3 B5_5MHz

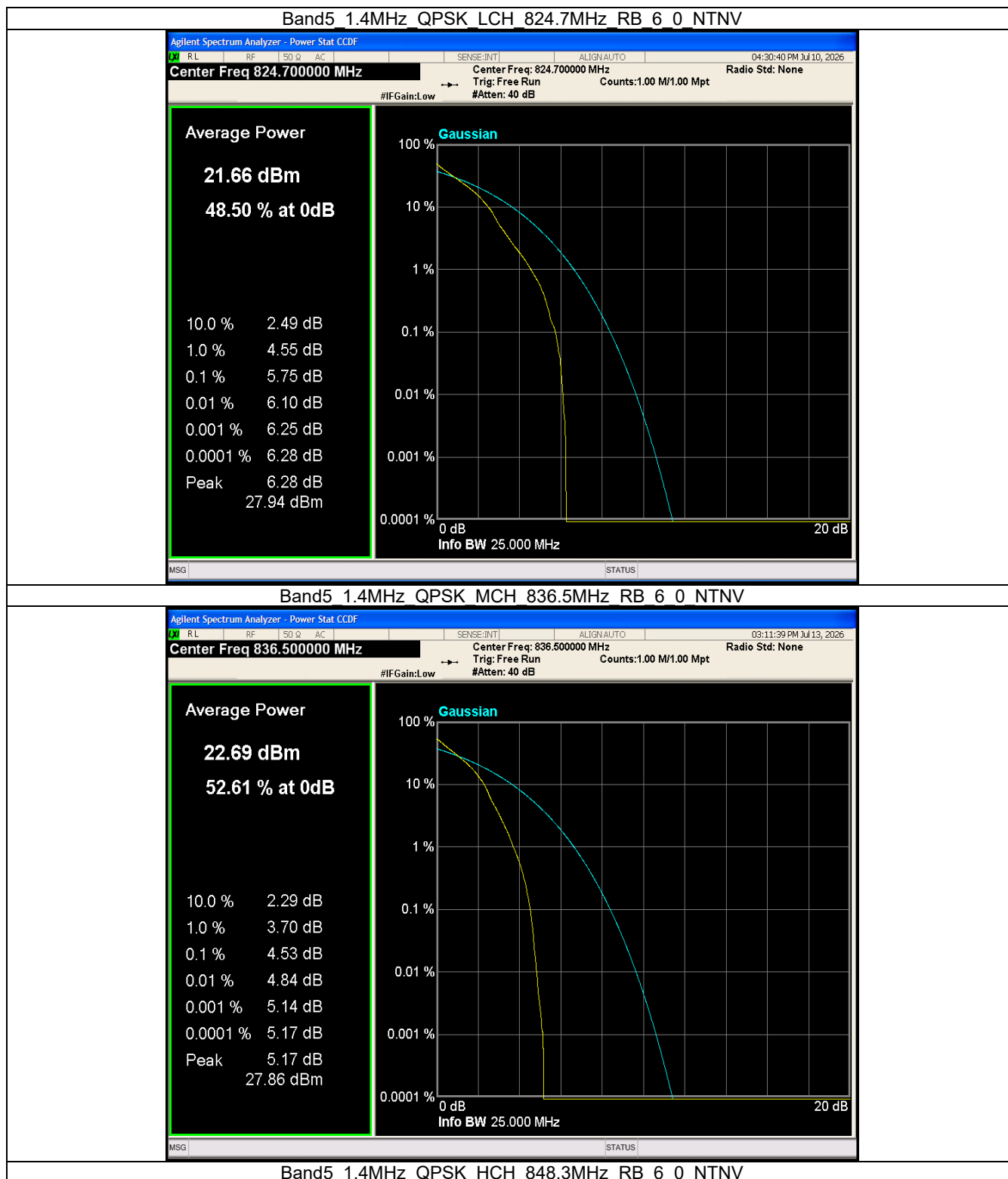
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.82	<=13	Pass
	836.5	25	0	5.48	<=13	Pass
	846.5	25	0	5.59	<=13	Pass
16QAM	826.5	25	0	6.09	<=13	Pass
	836.5	25	0	5.85	<=13	Pass
	846.5	25	0	6.13	<=13	Pass

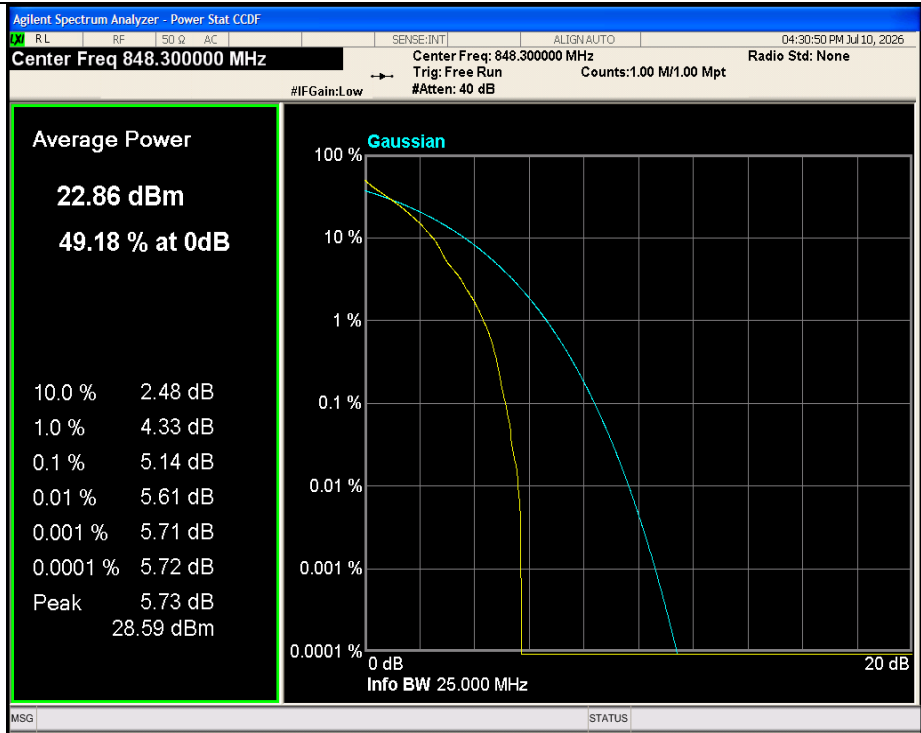
4.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.57	<=13	Pass
	836.5	50	0	5.43	<=13	Pass
	844	50	0	4.88	<=13	Pass

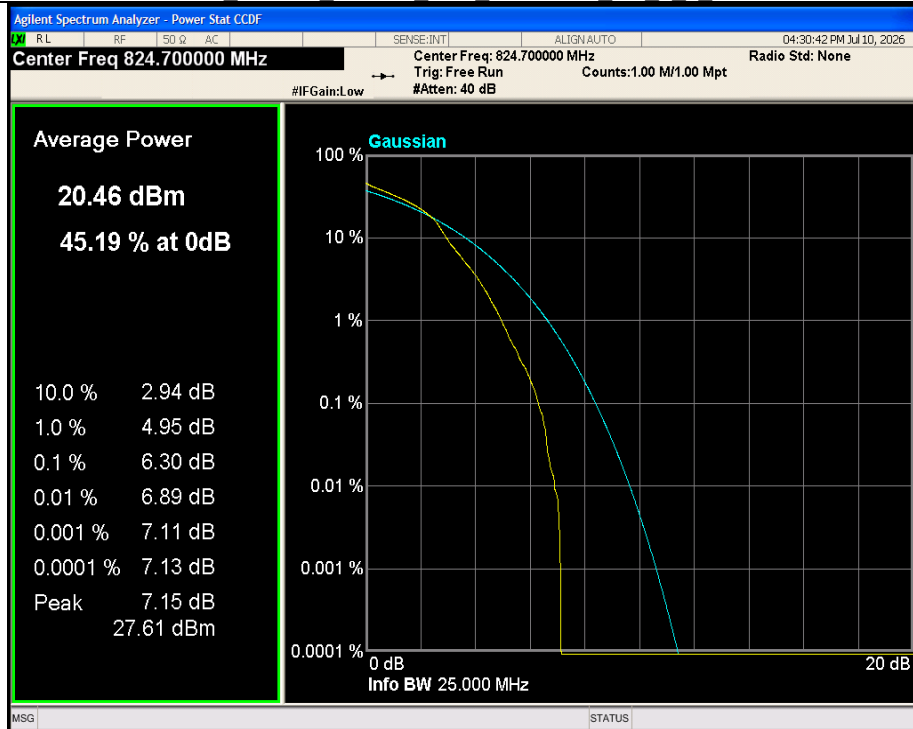
4.2 Test Graph

4.2.1 B5_1.4MHz

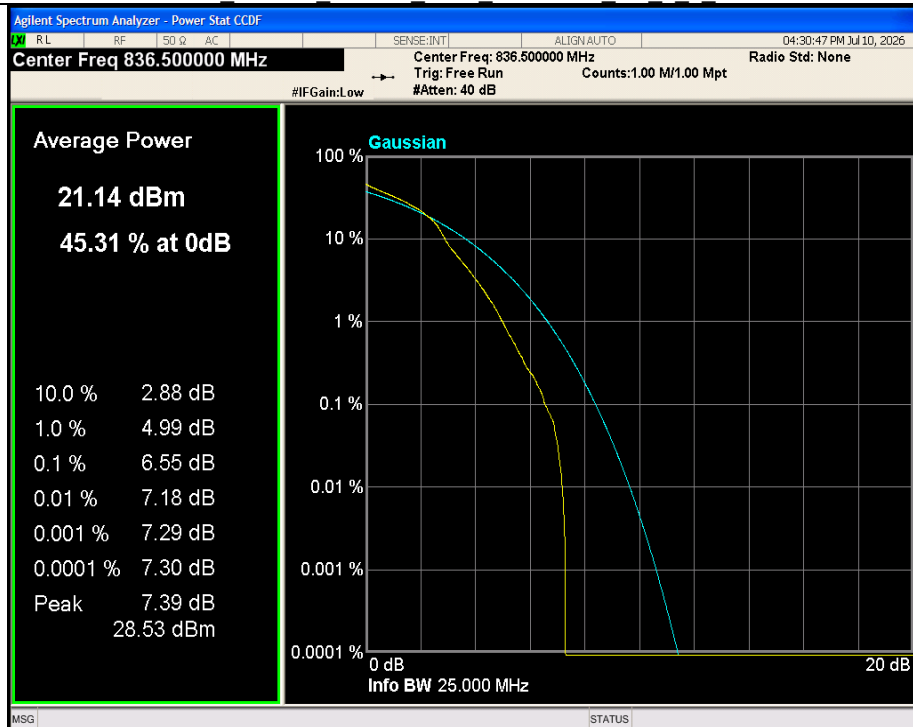




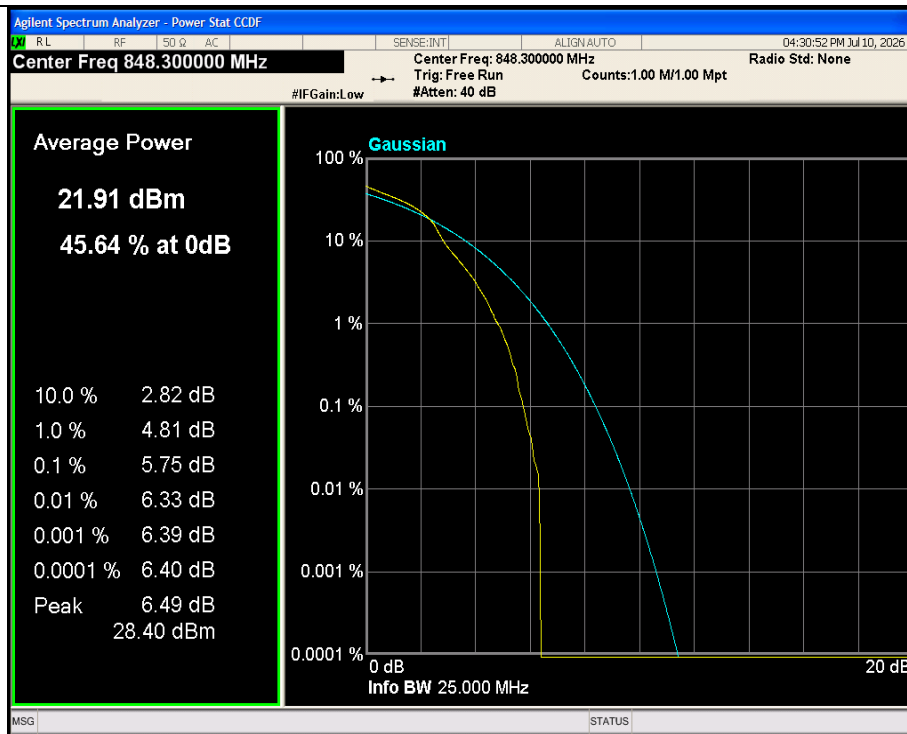
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTV



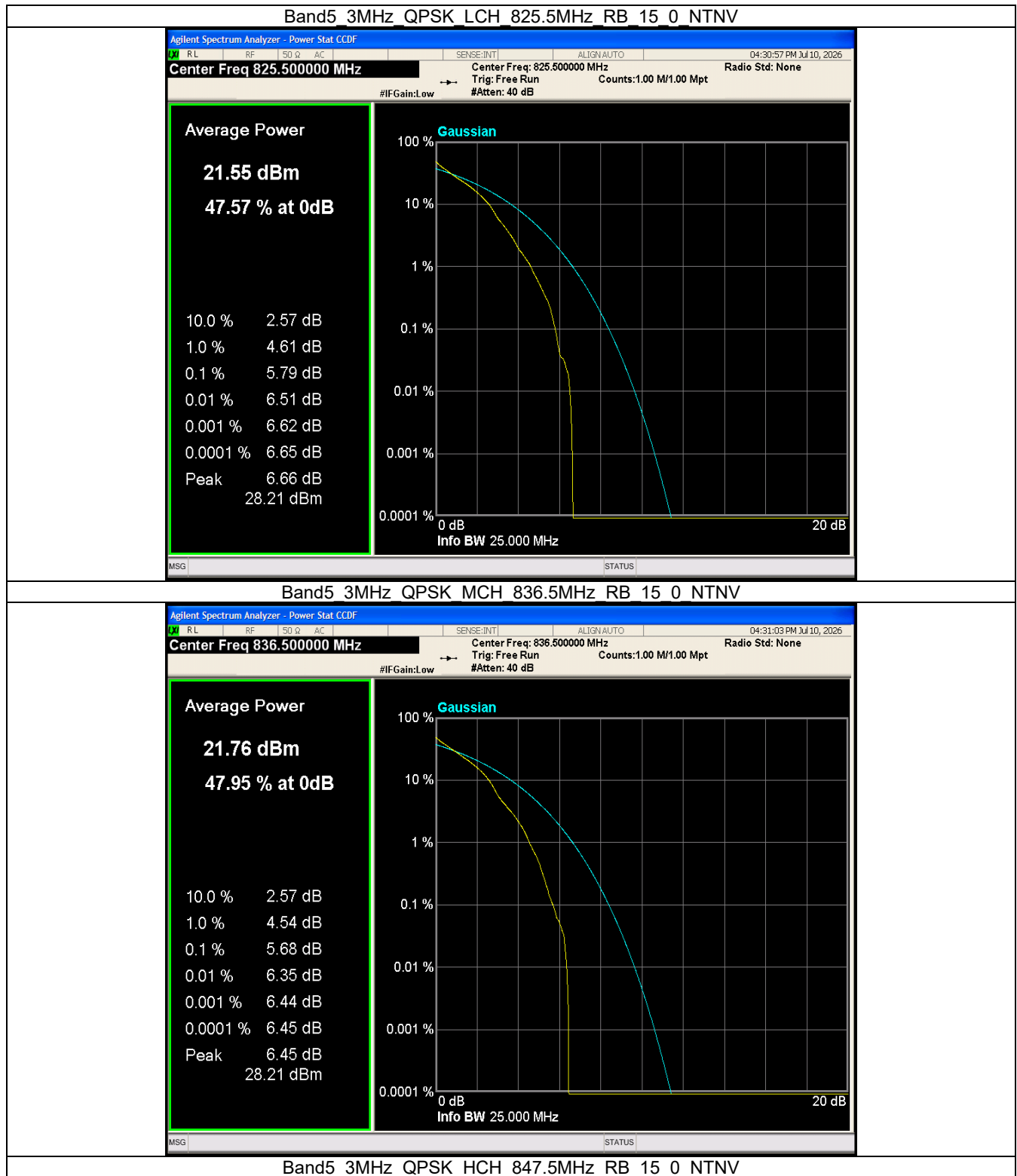
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTV

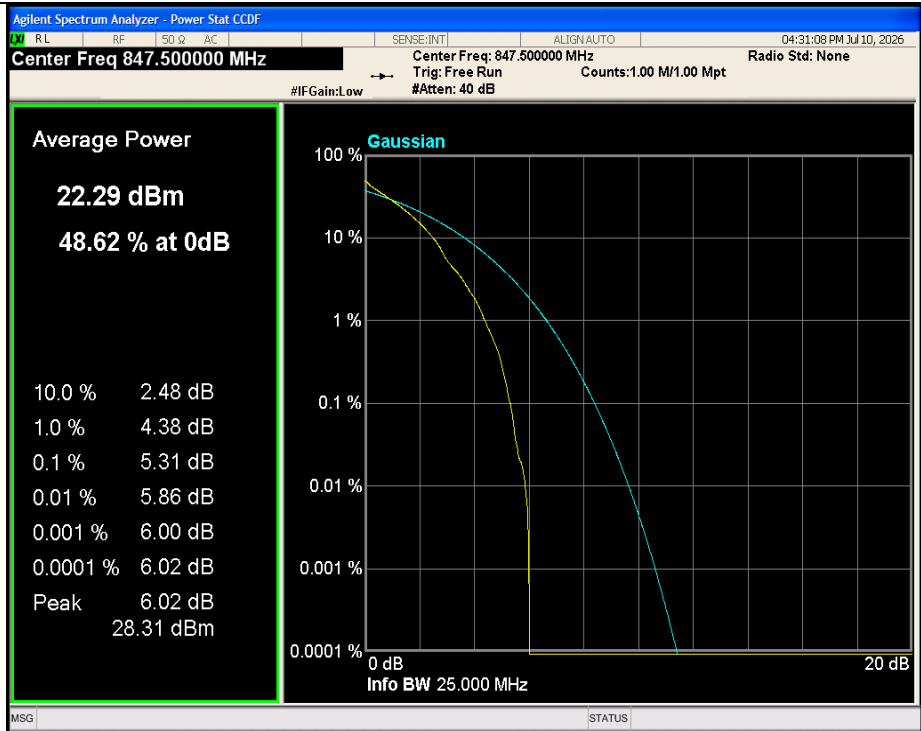


Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTV

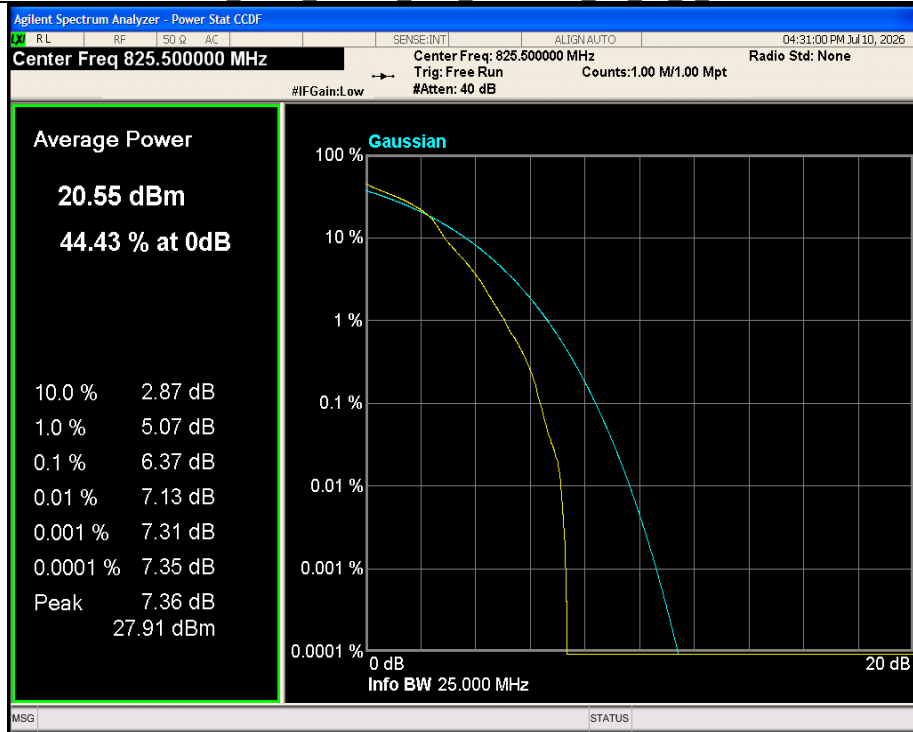


4.2.2 B5_3MHz

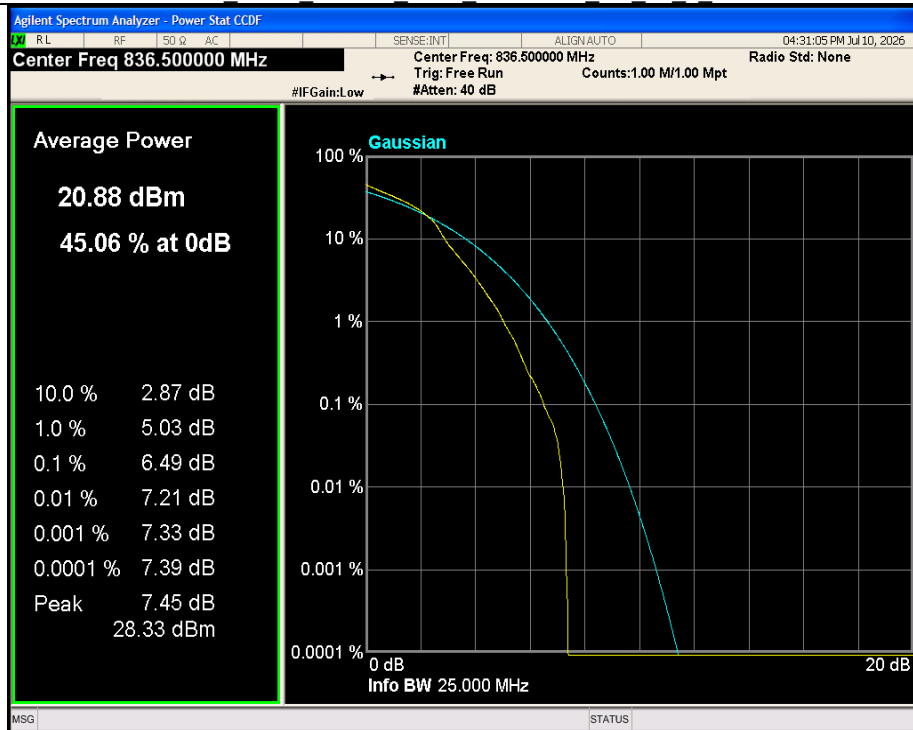




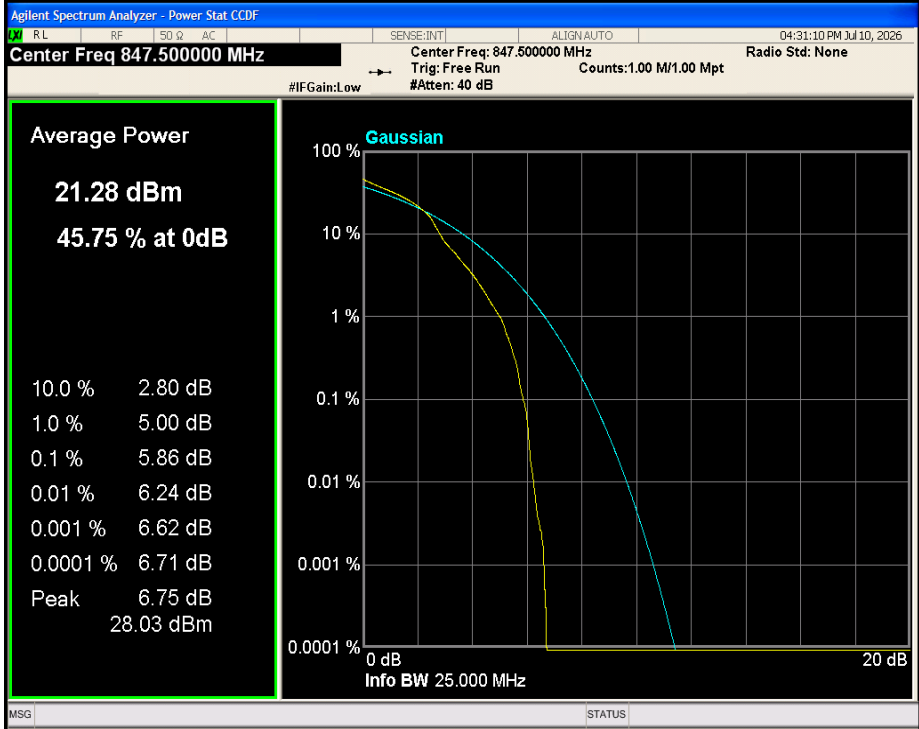
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV



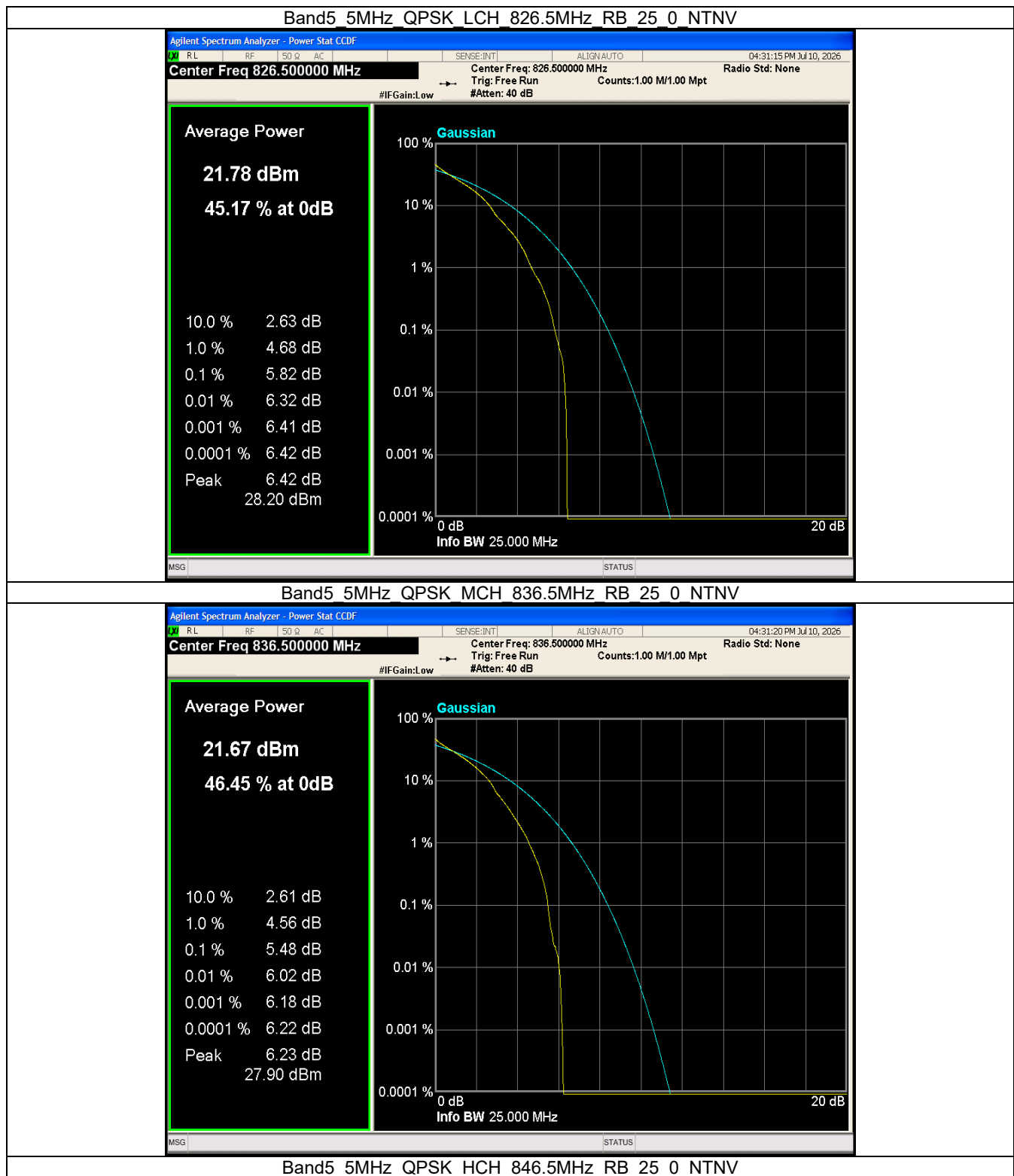
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV

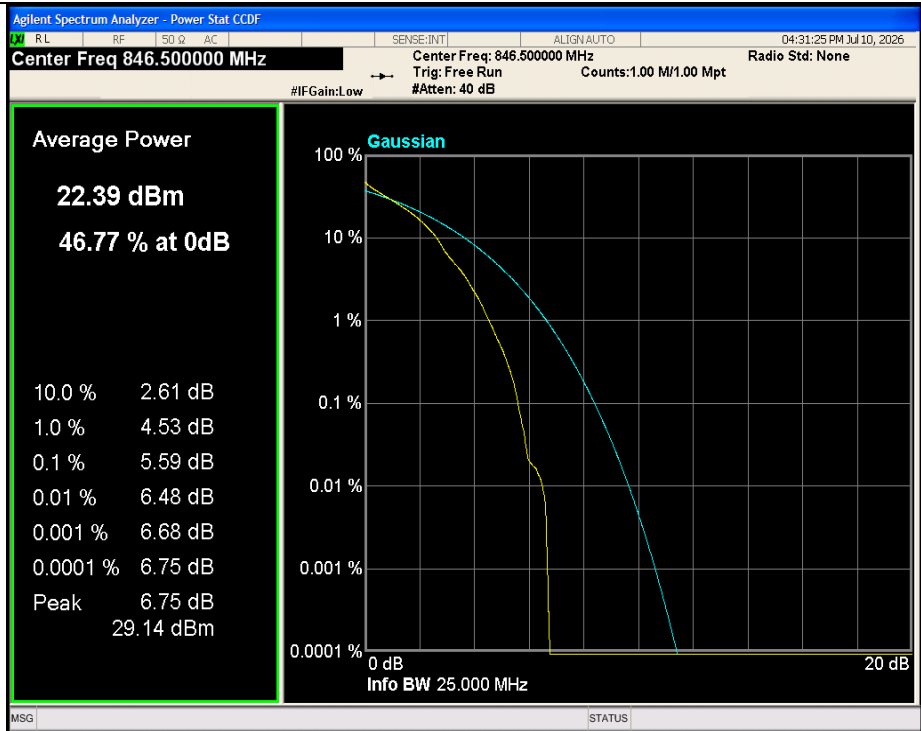


Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV

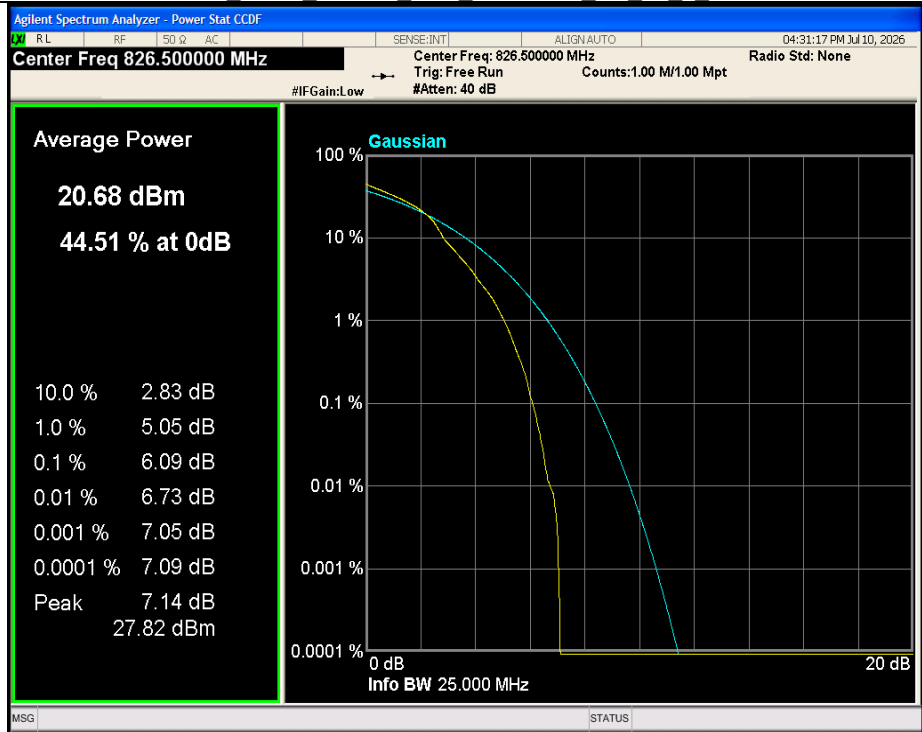


4.2.3 B5_5MHz

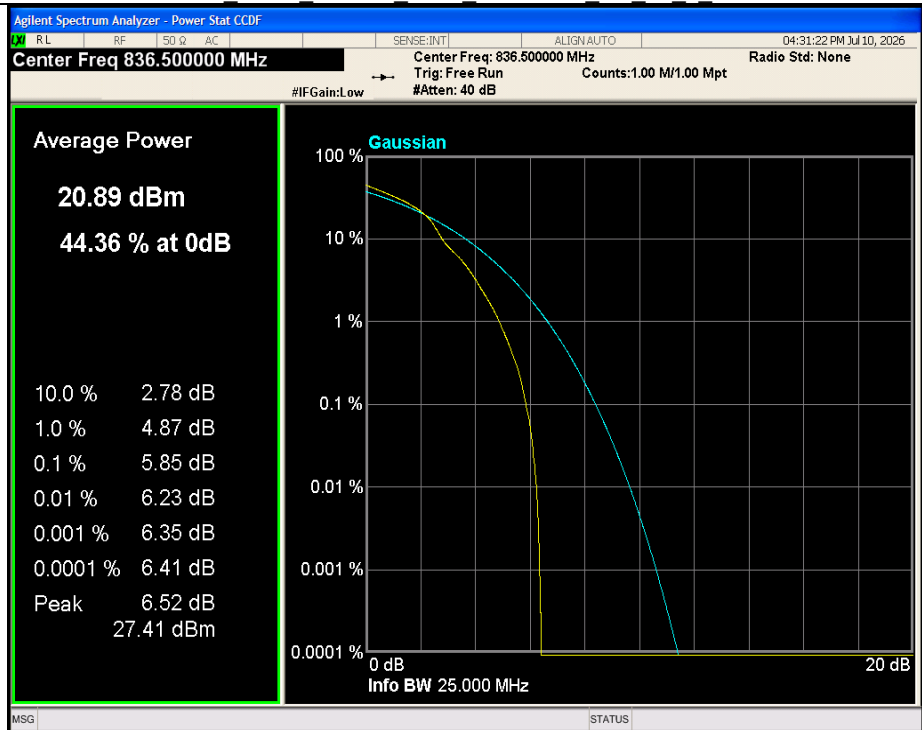




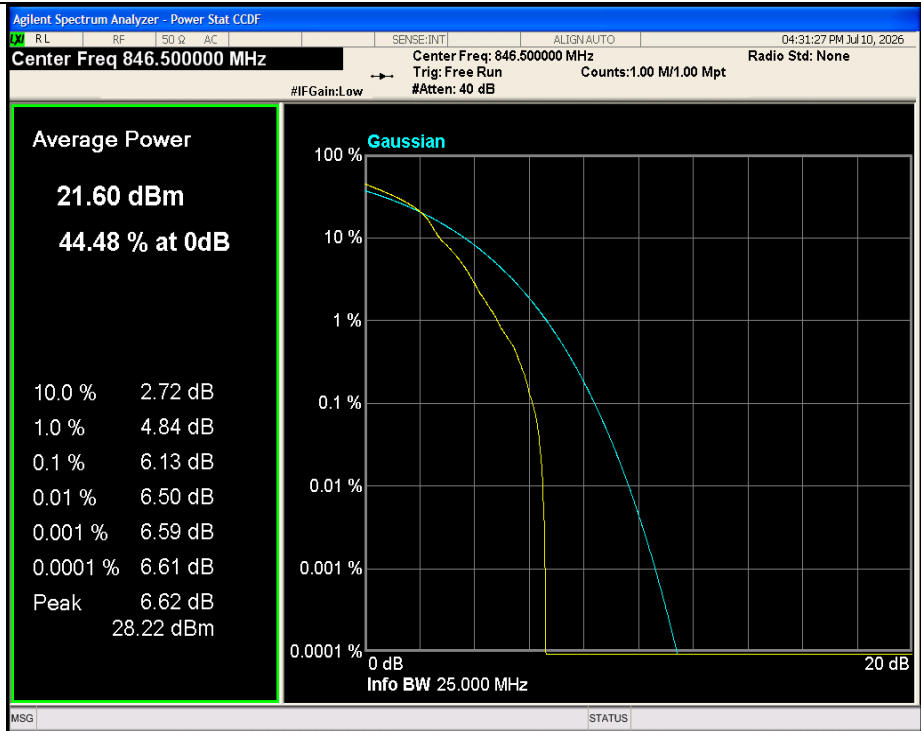
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



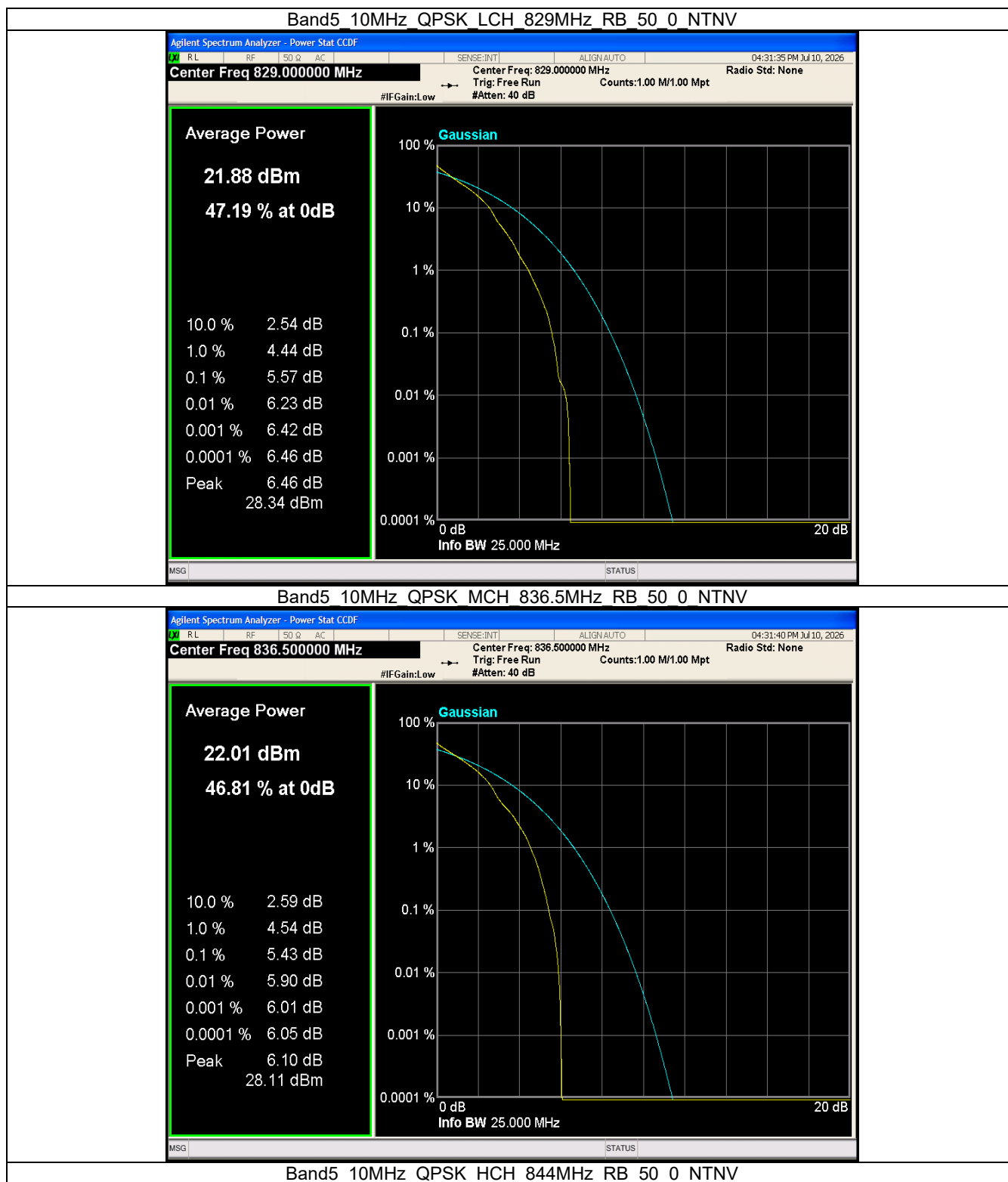
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV

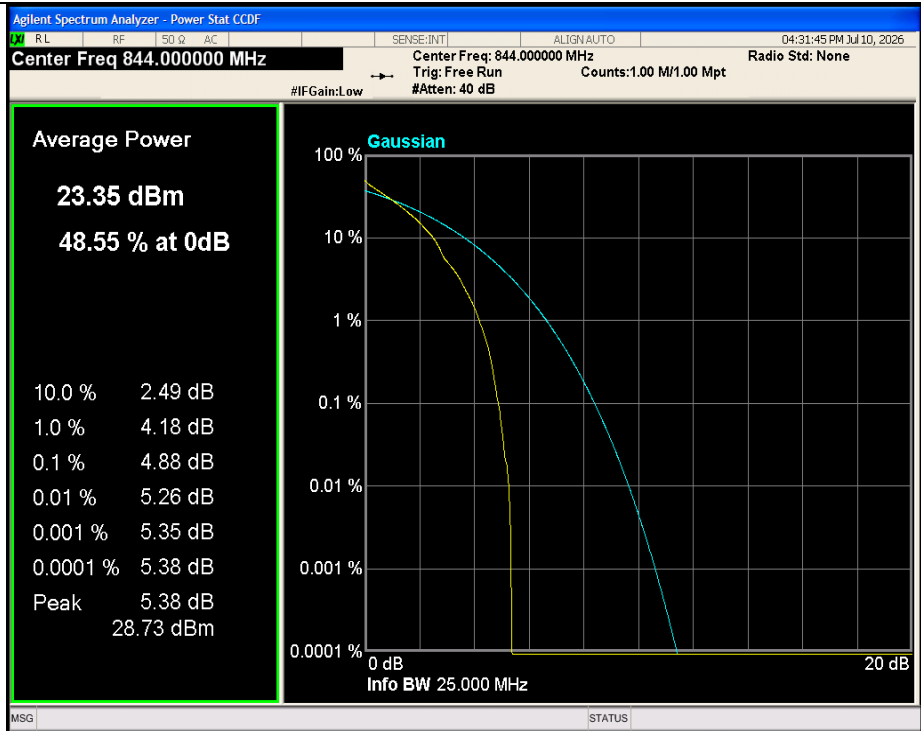


Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



4.2.4 B5_10MHz





5. Spurious Emission and Band Edge

5.1 Test Result

5.1.1 B5_1.4MHz

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

6.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

5.1.3 B5_5MHz

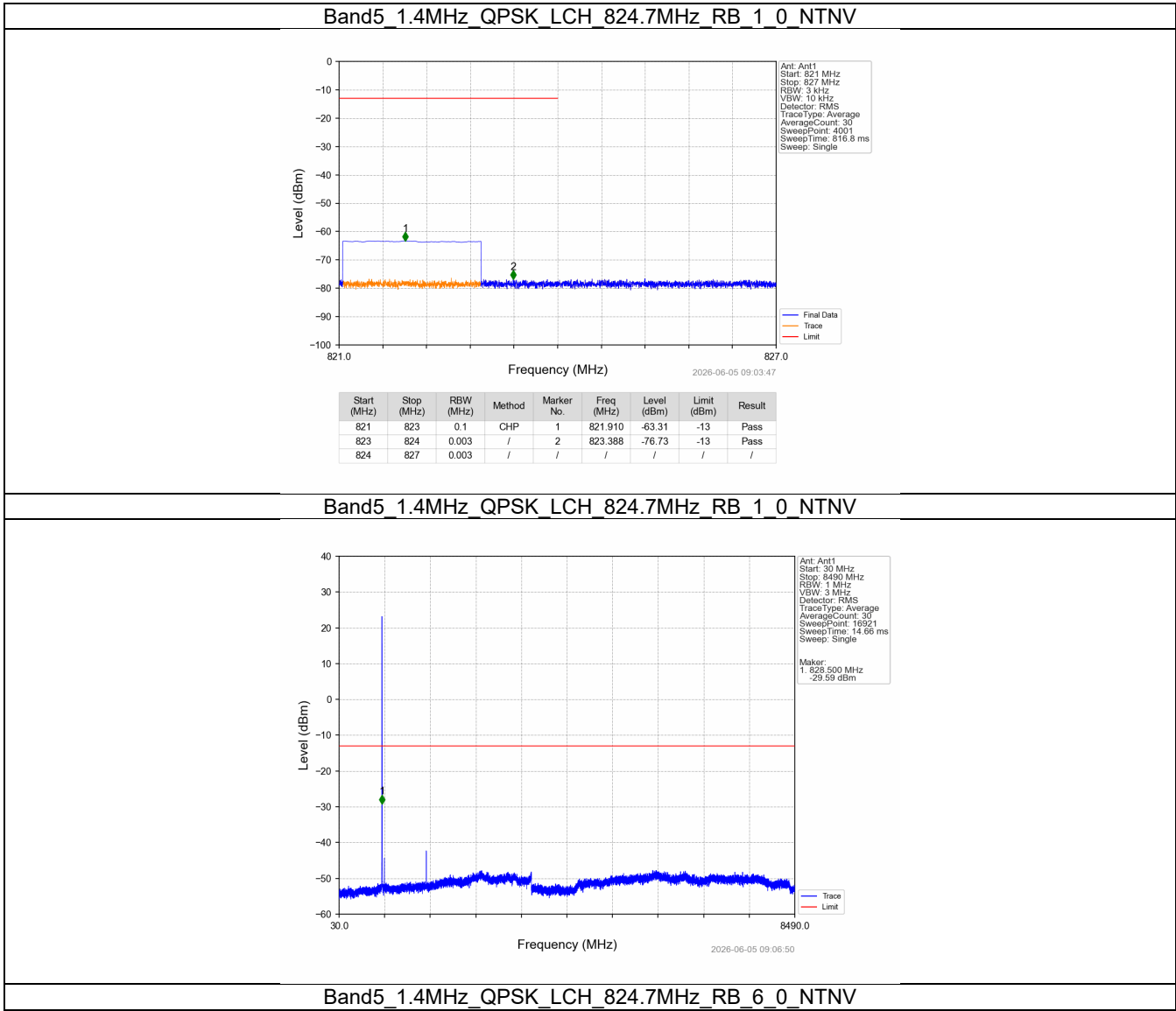
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

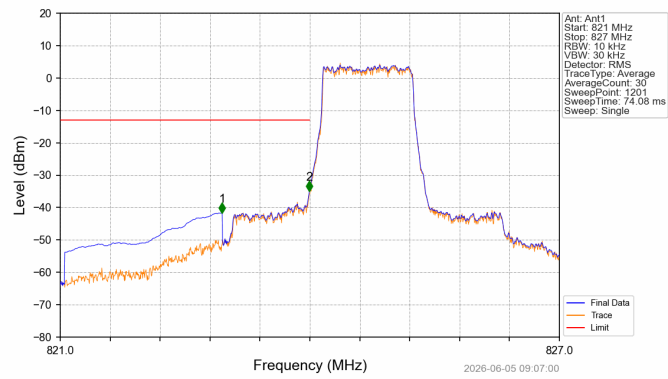
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	829	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
	844	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

5.2 Test Graph

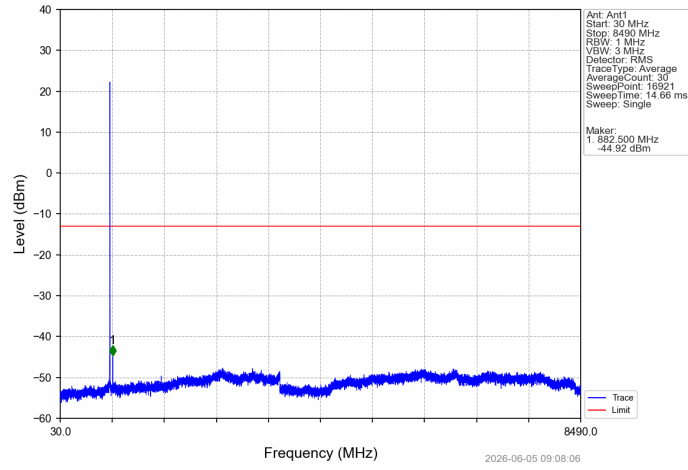
5.2.1 B5_1.4MHz



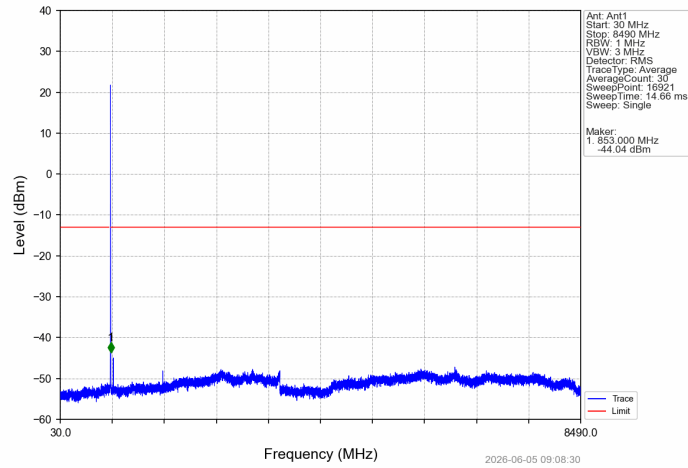


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-41.65	-13	Pass
823	824	0.013	CHP	2	823.995	-34.92	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

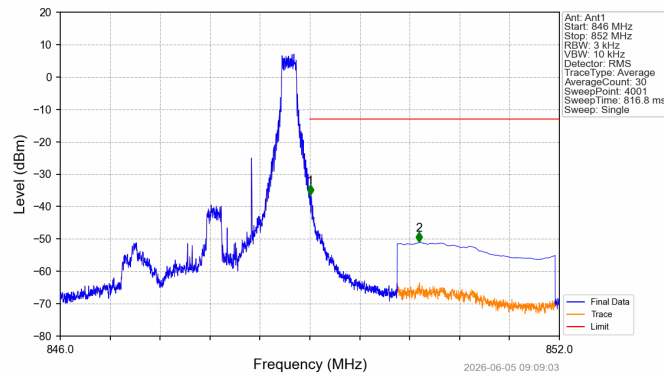
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

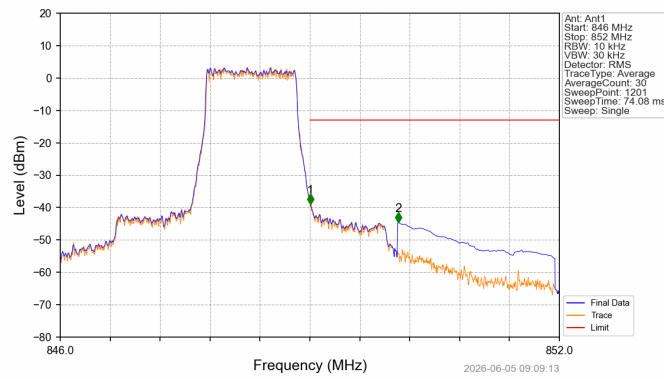


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV

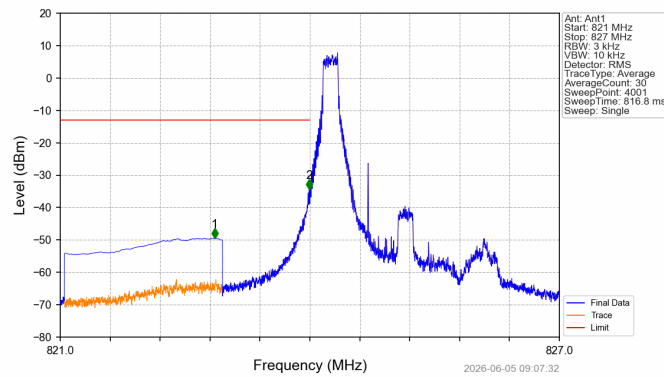


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.006	-36.38	-13	Pass
850	852	0.1	CHP	2	850.316	-51.05	-13	Pass

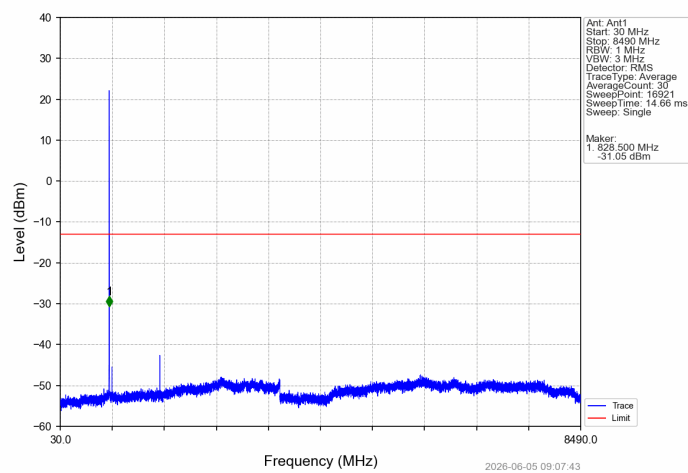
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



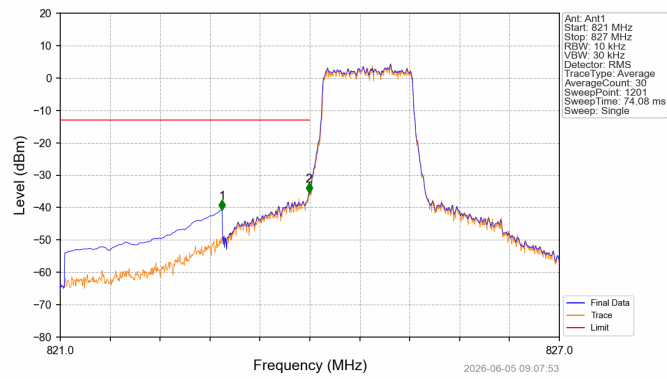
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



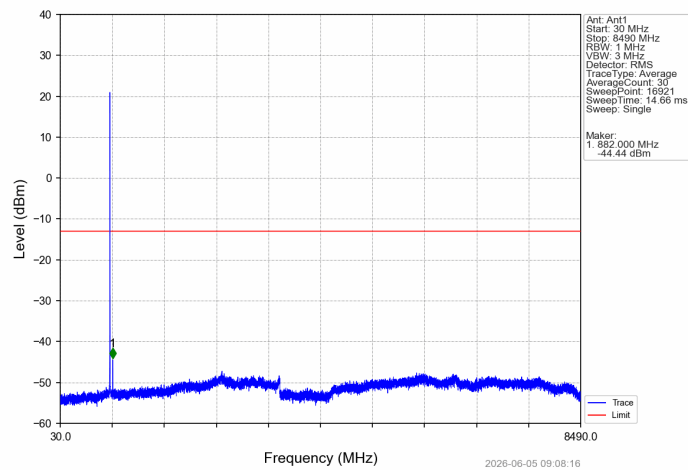
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



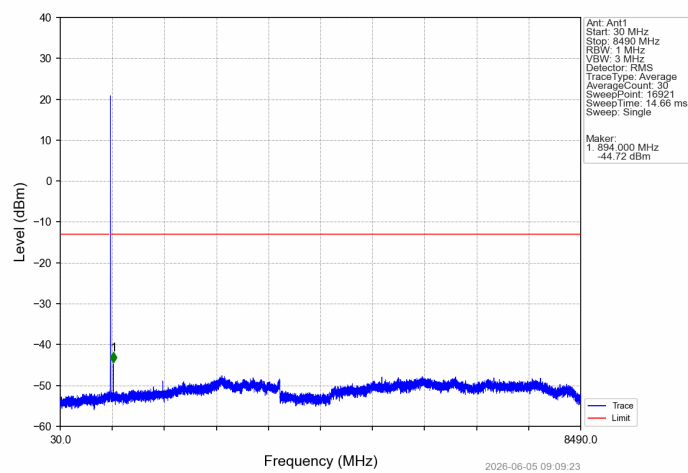
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



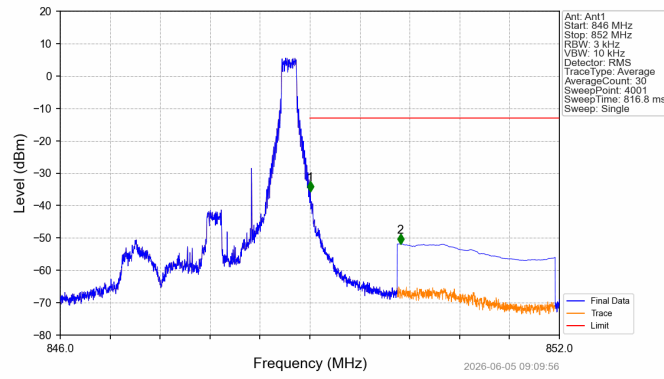
Band5 1.4MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



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

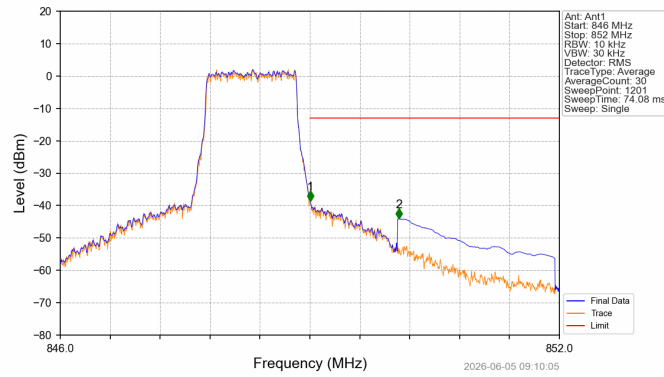


Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 5 NTNV



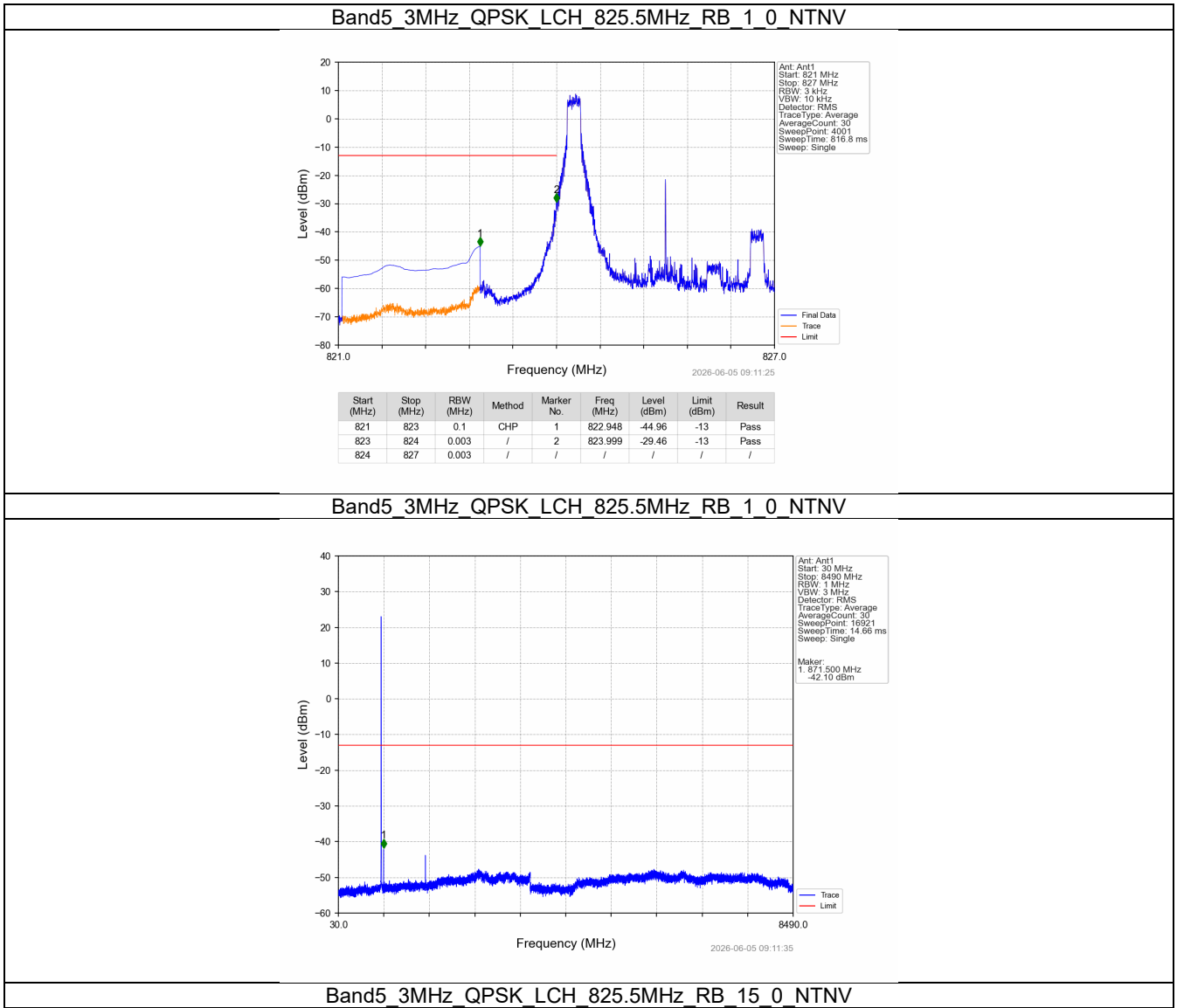
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.006	-35.67	-13	Pass
850	852	0.1	CHP	2	850.089	-51.83	-13	Pass

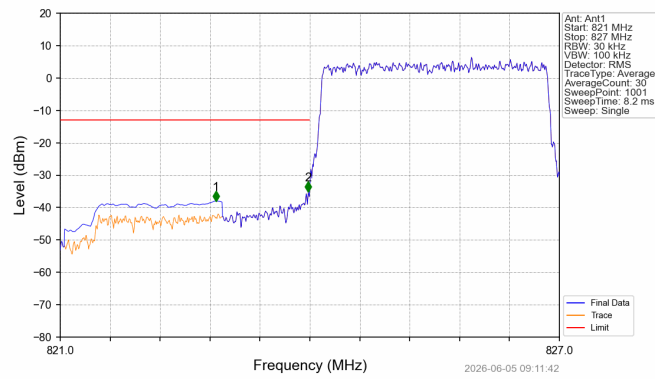
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.005	-38.65	-13	Pass
850	852	0.1	CHP	2	850.070	-44.07	-13	Pass

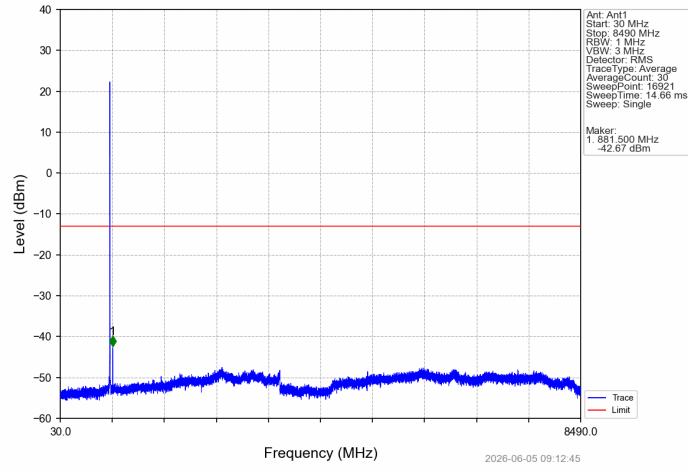
5.2.2 B5_3MHz



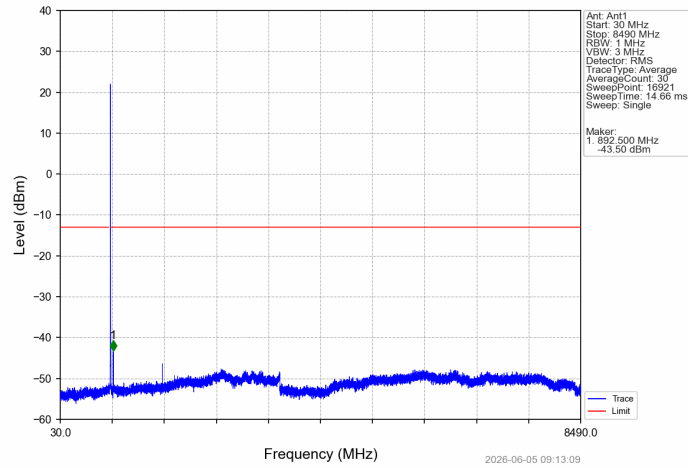


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.872	-37.97	-13	Pass
823	824	0.03	/	2	823.982	-35.17	-13	Pass
824	827	0.03	/	/	/	/	/	/

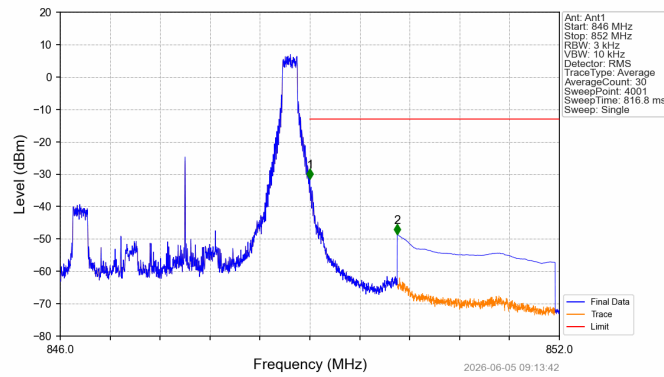
Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN

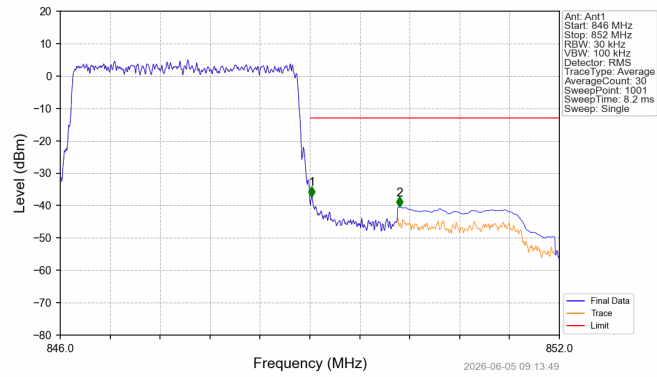


Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN

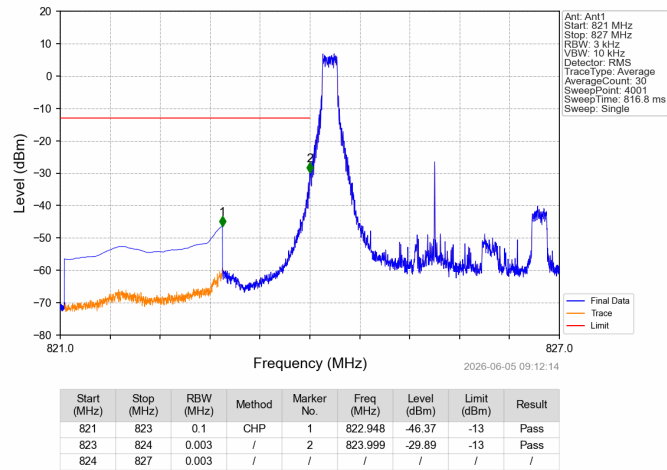


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-31.49	-13	Pass
850	852	0.1	CHP	2	850.052	-48.70	-13	Pass

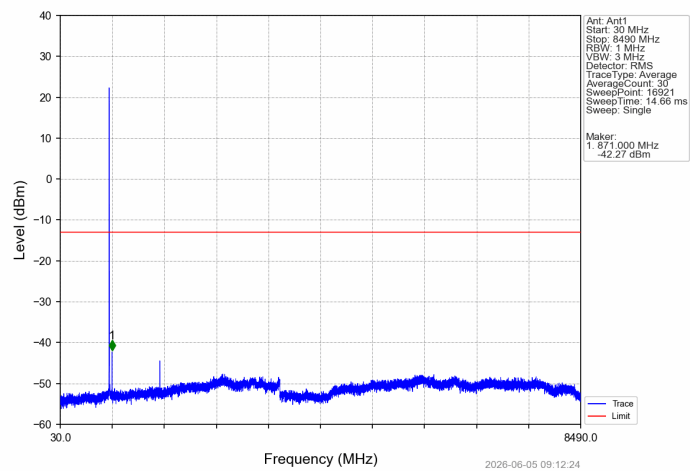
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



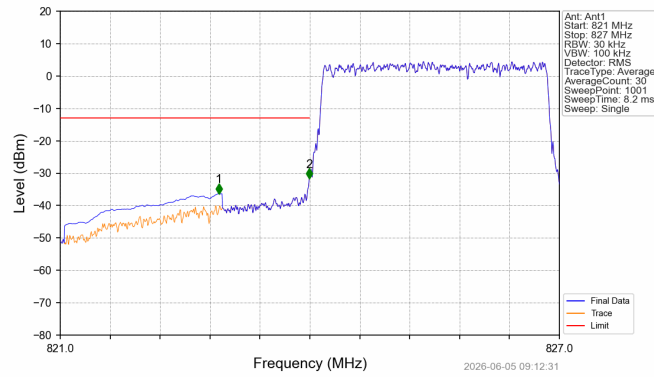
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

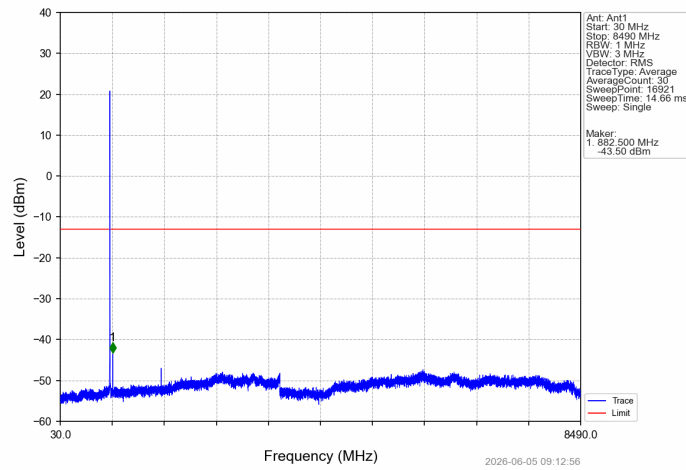


Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN

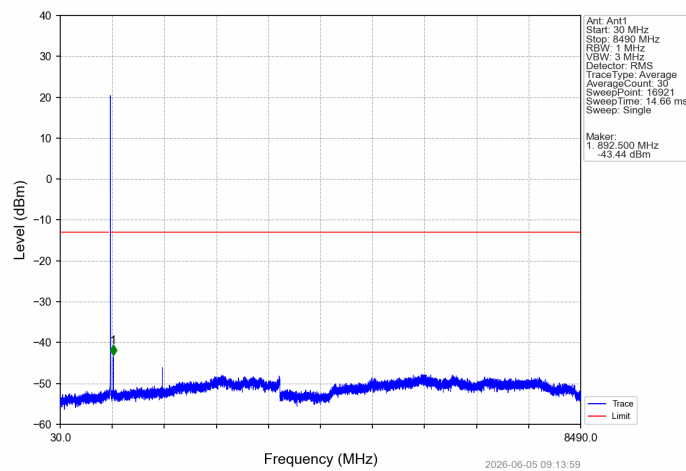


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.908	-36.32	-13	Pass
823	824	0.03	/	2	823.994	-31.61	-13	Pass
824	827	0.03	/	/	/	/	/	/

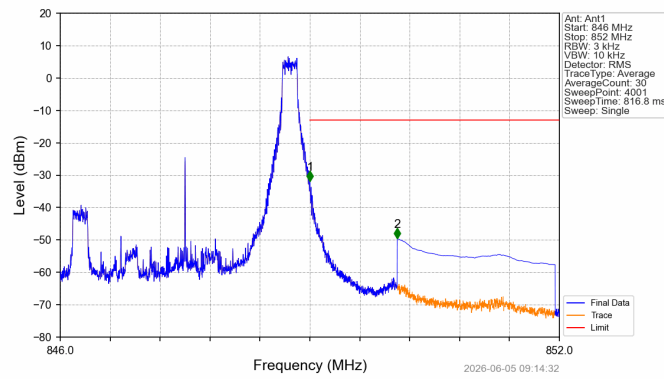
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTN



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

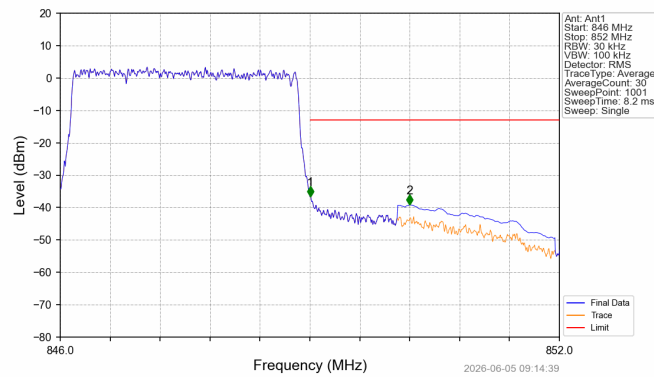


Band5 3MHz 16QAM HCH 847.5MHz RB 1 14 NTNV



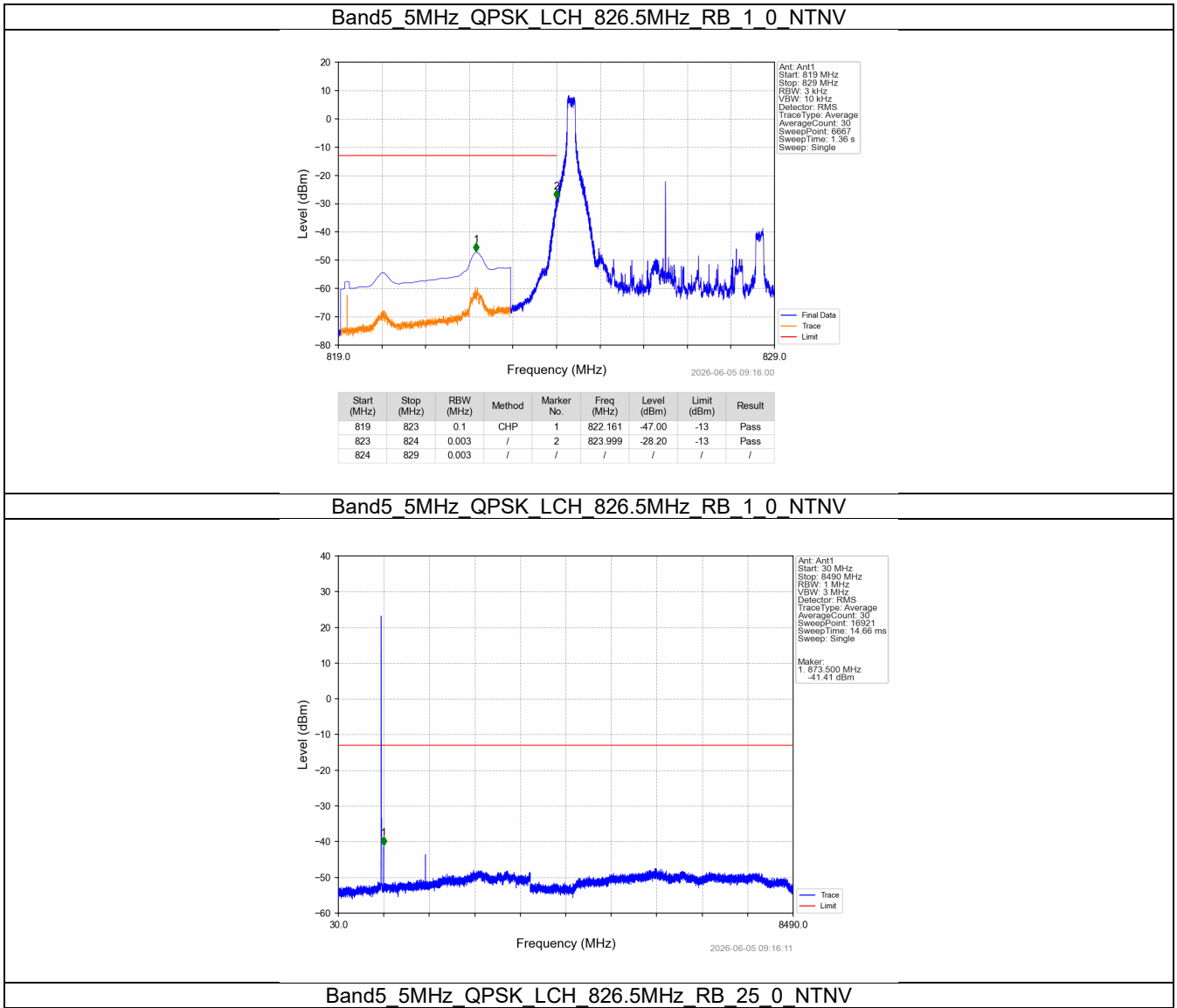
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-31.92	-13	Pass
850	852	0.1	CHP	2	850.052	-49.49	-13	Pass

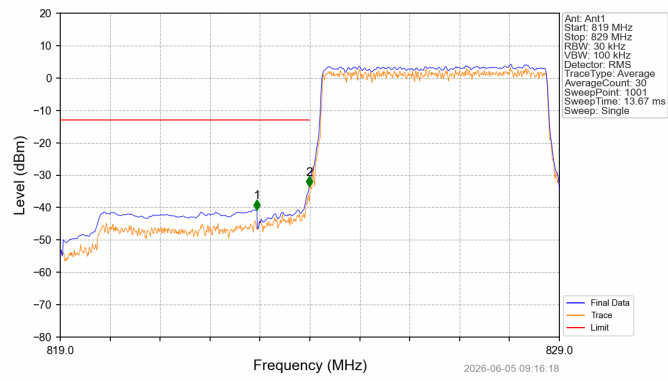
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



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	849.006	-36.59	-13	Pass
850	852	0.1	CHP	2	850.200	-39.15	-13	Pass

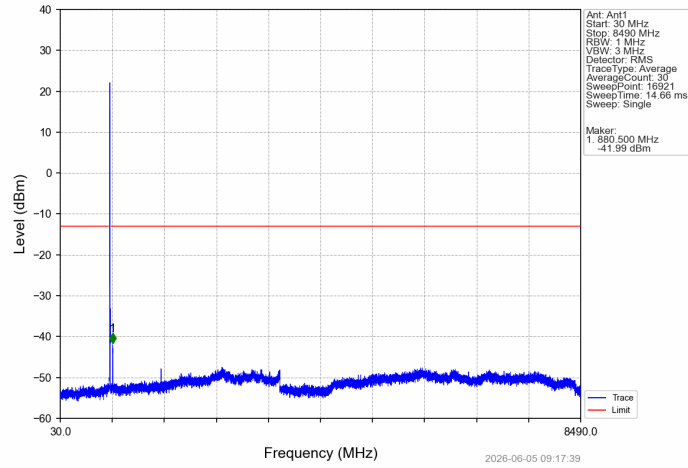
5.2.3 B5_5MHz



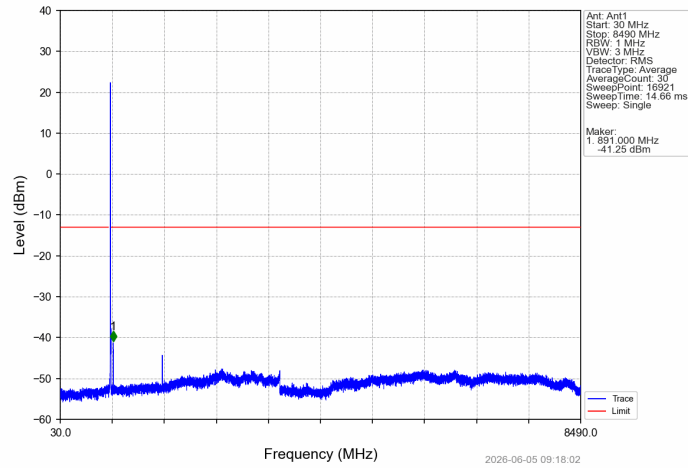


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.940	-40.69	-13	Pass
823	824	0.051	CHP	2	823.990	-33.48	-13	Pass
824	829	0.051	CHP	/	/	/	/	/

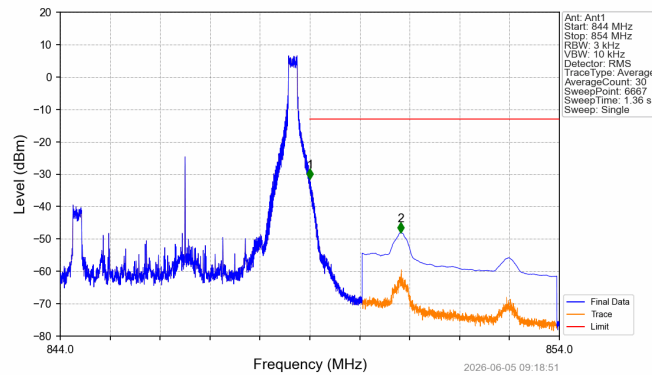
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV

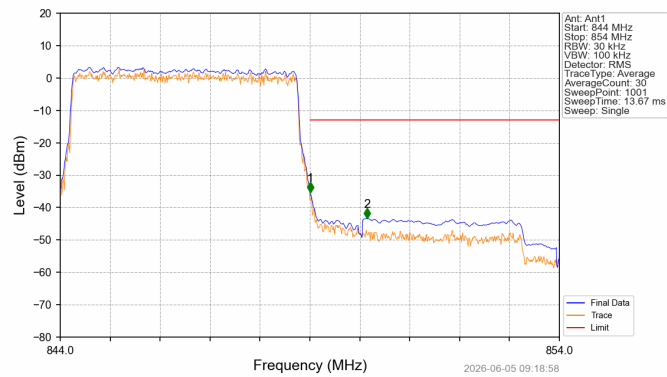


Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV

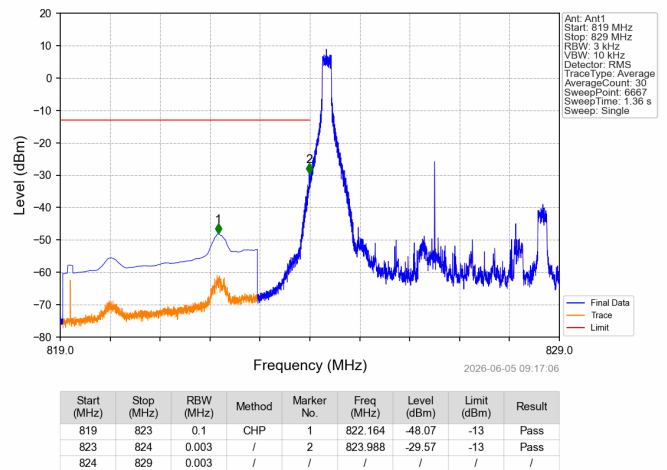


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-31.56	-13	Pass
850	854	0.1	CHP	2	850.820	-48.06	-13	Pass

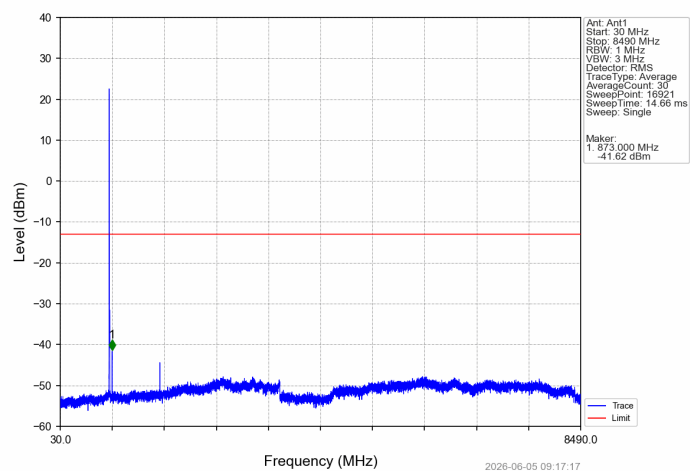
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



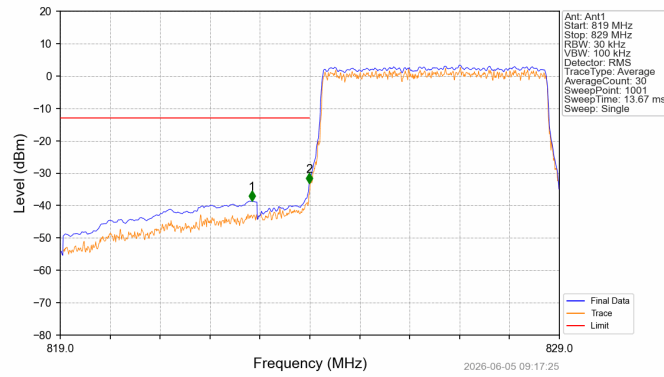
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



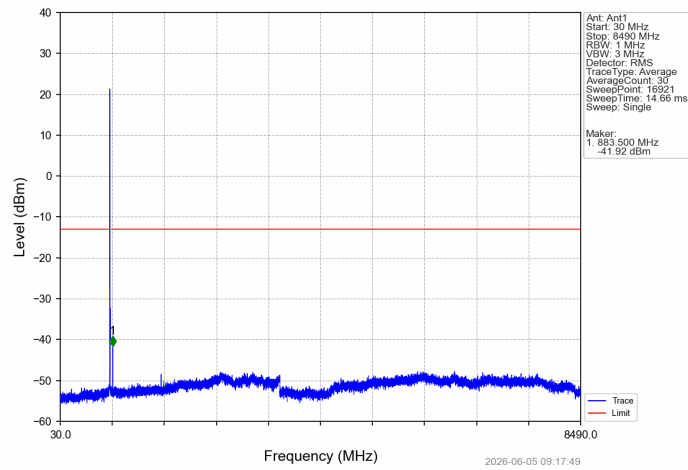
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



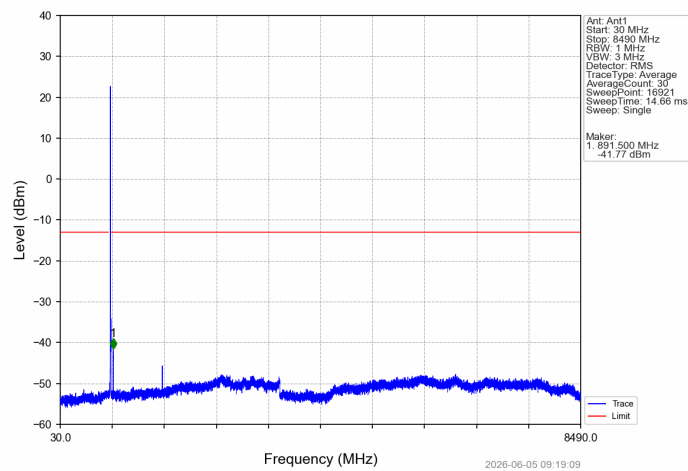
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



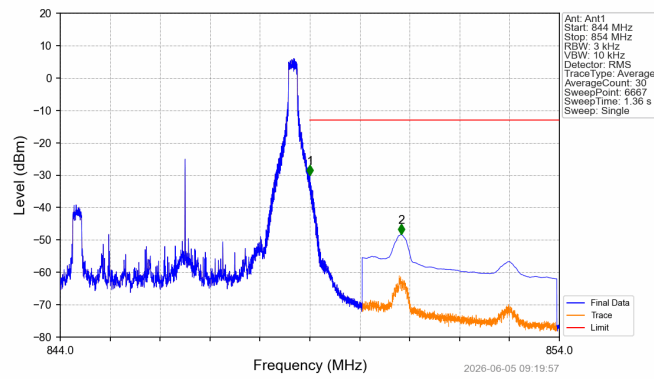
Band5 5MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



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

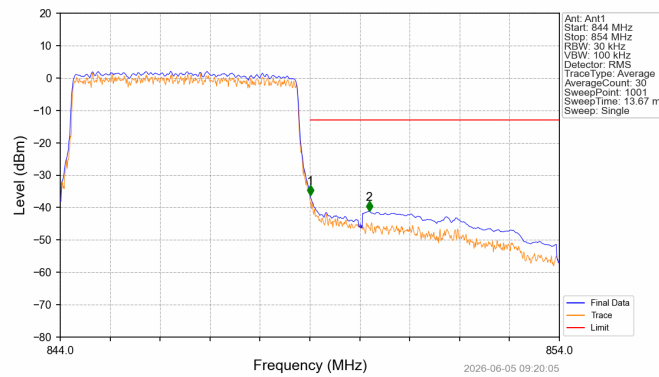


Band5 5MHz 16QAM HCH 846.5MHz RB 1 24 NTNV



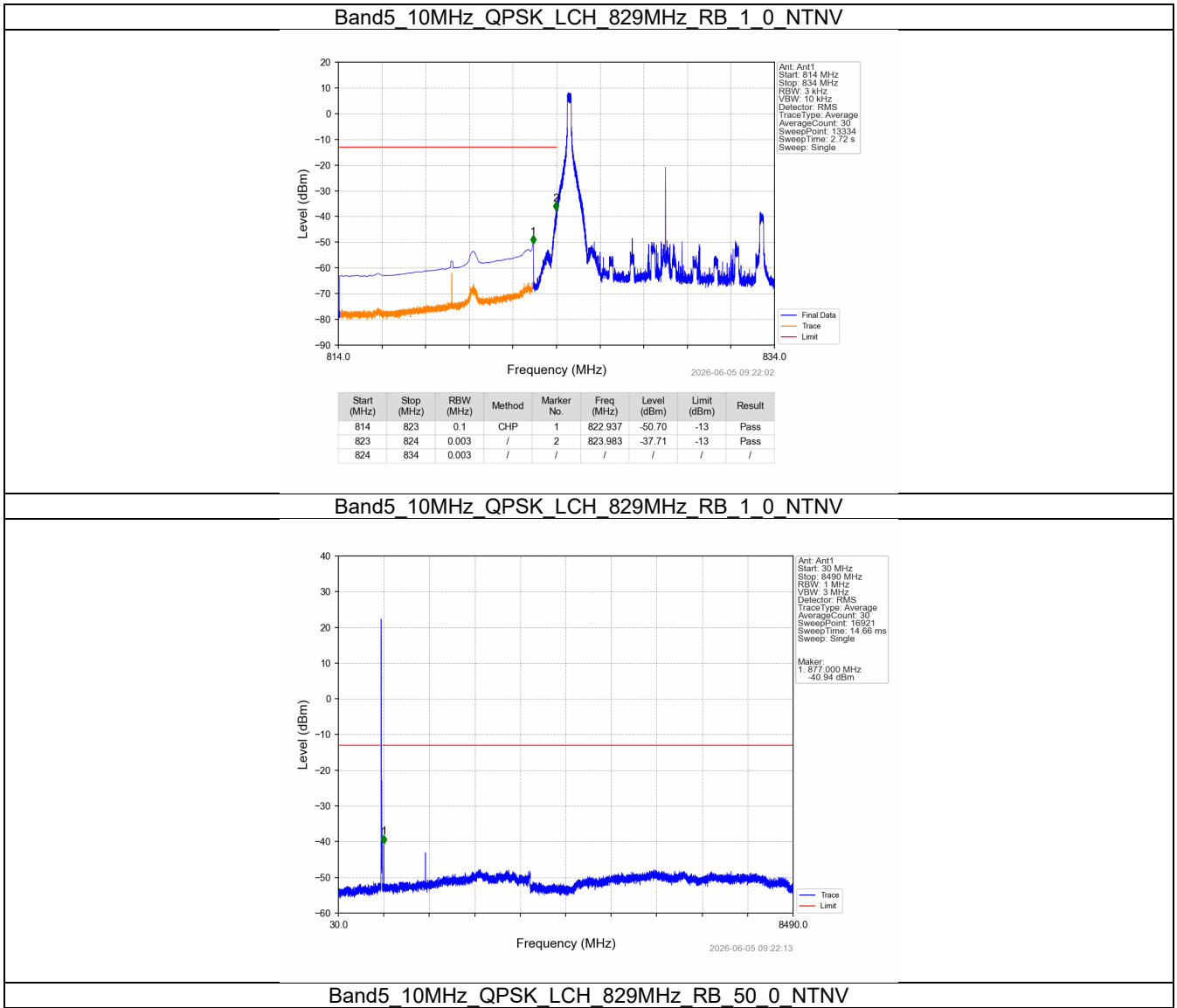
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-30.05	-13	Pass
850	854	0.1	CHP	2	850.833	-48.29	-13	Pass

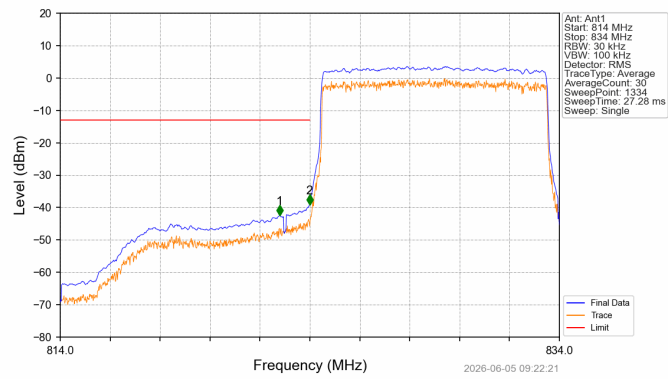
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.05	CHP	/	/	/	/	/
849	850	0.05	CHP	1	849.010	-36.25	-13	Pass
850	854	0.1	CHP	2	850.190	-41.07	-13	Pass

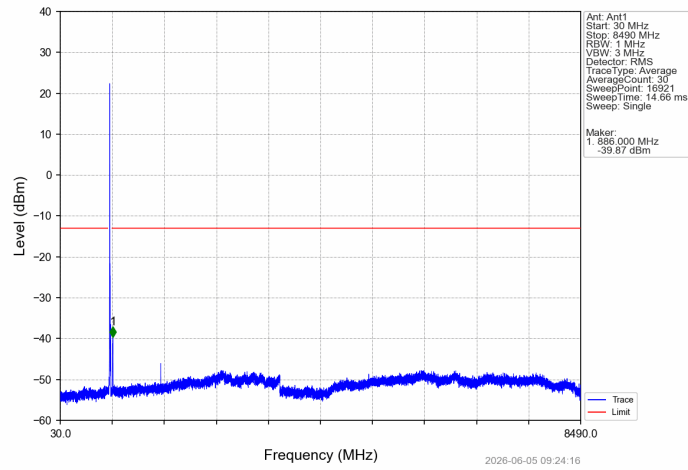
5.2.4 B5_10MHz



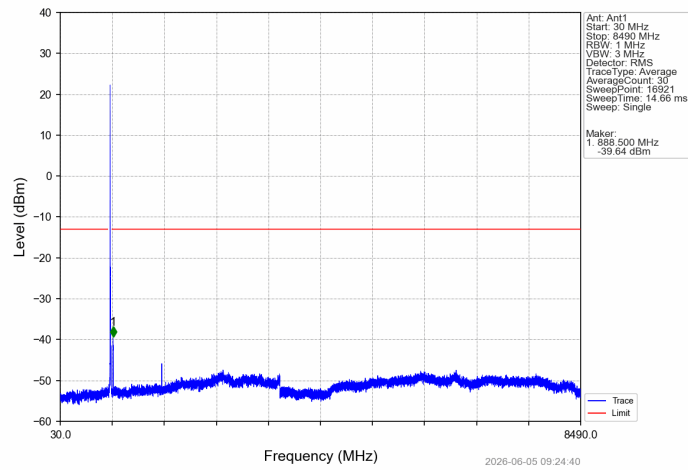


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.792	-42.37	-13	Pass
823	824	0.098	CHP	2	823.992	-39.20	-13	Pass
824	834	0.098	CHP	/	/	/	/	/

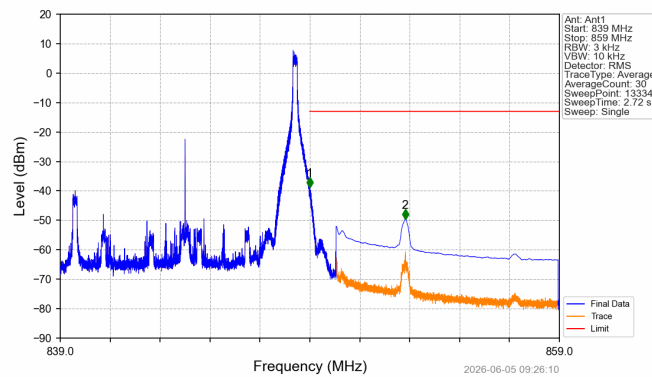
Band5 10MHz QPSK MCH 836.5MHz RB 1 0 NTN



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTN

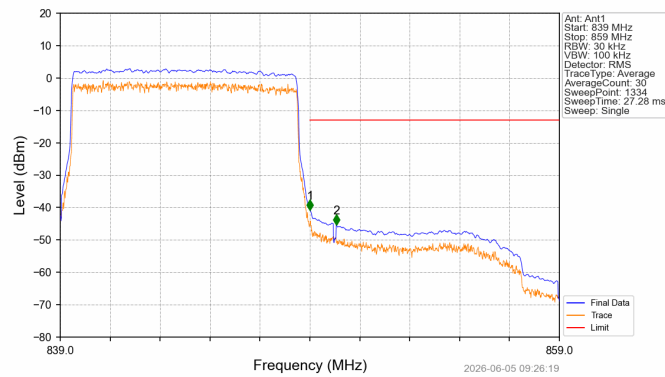


Band5 10MHz QPSK HCH 844MHz RB 1 49 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-38.91	-13	Pass
850	859	0.1	CHP	2	852.820	-49.71	-13	Pass

Band5 10MHz QPSK HCH 844MHz RB 50 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.099	CHP	/	/	/	/	/
849	850	0.099	CHP	1	849.008	-40.71	-13	Pass
850	859	0.1	CHP	2	850.058	-45.38	-13	Pass