

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

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	21.49	-0.68	18.66	<=38.45	Pass
			2	21.66	-0.68	18.83	<=38.45	Pass
			5	21.64	-0.68	18.81	<=38.45	Pass
		3	0	21.57	-0.68	18.74	<=38.45	Pass
			2	21.57	-0.68	18.74	<=38.45	Pass
			3	21.64	-0.68	18.81	<=38.45	Pass
		6	0	20.52	-0.68	17.69	<=38.45	Pass
	836.5	1	0	21.50	-0.68	18.67	<=38.45	Pass
			2	21.63	-0.68	18.80	<=38.45	Pass
			5	21.64	-0.68	18.81	<=38.45	Pass
		3	0	21.58	-0.68	18.75	<=38.45	Pass
			2	21.62	-0.68	18.79	<=38.45	Pass
			3	21.53	-0.68	18.70	<=38.45	Pass
		6	0	20.55	-0.68	17.72	<=38.45	Pass
	848.3	1	0	21.49	-0.68	18.66	<=38.45	Pass
			2	21.53	-0.68	18.70	<=38.45	Pass
			5	21.59	-0.68	18.76	<=38.45	Pass
		3	0	21.56	-0.68	18.73	<=38.45	Pass
			2	21.56	-0.68	18.73	<=38.45	Pass
			3	21.54	-0.68	18.71	<=38.45	Pass
		6	0	20.50	-0.68	17.67	<=38.45	Pass
16QAM	824.7	1	0	20.65	-0.68	17.82	<=38.45	Pass
			2	20.63	-0.68	17.80	<=38.45	Pass
			5	20.57	-0.68	17.74	<=38.45	Pass
		3	0	20.37	-0.68	17.54	<=38.45	Pass
			2	20.32	-0.68	17.49	<=38.45	Pass
			3	20.40	-0.68	17.57	<=38.45	Pass
		6	0	19.69	-0.68	16.86	<=38.45	Pass
	836.5	1	0	21.19	-0.68	18.36	<=38.45	Pass
			2	21.20	-0.68	18.37	<=38.45	Pass
			5	21.20	-0.68	18.37	<=38.45	Pass
		3	0	20.63	-0.68	17.80	<=38.45	Pass
			2	20.61	-0.68	17.78	<=38.45	Pass
			3	20.64	-0.68	17.81	<=38.45	Pass
		6	0	19.83	-0.68	17.00	<=38.45	Pass
	848.3	1	0	21.13	-0.68	18.30	<=38.45	Pass
			2	21.11	-0.68	18.28	<=38.45	Pass
			5	21.05	-0.68	18.22	<=38.45	Pass
		3	0	20.37	-0.68	17.54	<=38.45	Pass
			2	20.33	-0.68	17.50	<=38.45	Pass
			3	20.44	-0.68	17.61	<=38.45	Pass
		6	0	19.69	-0.68	16.86	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B5_3MHz_ERP

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	21.59	-0.68	18.76	<=38.45	Pass
			7	21.64	-0.68	18.81	<=38.45	Pass
			14	21.62	-0.68	18.79	<=38.45	Pass
		8	0	20.64	-0.68	17.81	<=38.45	Pass
			4	20.57	-0.68	17.74	<=38.45	Pass
			7	20.54	-0.68	17.71	<=38.45	Pass
		15	0	20.57	-0.68	17.74	<=38.45	Pass
	836.5	1	0	21.51	-0.68	18.68	<=38.45	Pass
			7	21.51	-0.68	18.68	<=38.45	Pass
			14	21.50	-0.68	18.67	<=38.45	Pass
		8	0	20.59	-0.68	17.76	<=38.45	Pass
			4	20.58	-0.68	17.75	<=38.45	Pass
			7	20.57	-0.68	17.74	<=38.45	Pass
		15	0	20.64	-0.68	17.81	<=38.45	Pass
	847.5	1	0	21.46	-0.68	18.63	<=38.45	Pass
			7	21.47	-0.68	18.64	<=38.45	Pass
			14	21.47	-0.68	18.64	<=38.45	Pass
		8	0	20.59	-0.68	17.76	<=38.45	Pass
			4	20.59	-0.68	17.76	<=38.45	Pass
			7	20.54	-0.68	17.71	<=38.45	Pass
		15	0	20.52	-0.68	17.69	<=38.45	Pass
16QAM	825.5	1	0	20.60	-0.68	17.77	<=38.45	Pass
			7	20.56	-0.68	17.73	<=38.45	Pass
			14	20.62	-0.68	17.79	<=38.45	Pass
		8	0	19.78	-0.68	16.95	<=38.45	Pass
			4	19.74	-0.68	16.91	<=38.45	Pass
			7	19.79	-0.68	16.96	<=38.45	Pass
		15	0	19.65	-0.68	16.82	<=38.45	Pass
	836.5	1	0	21.84	-0.68	19.01	<=38.45	Pass
			7	21.85	-0.68	19.02	<=38.45	Pass
			14	21.89	-0.68	19.06	<=38.45	Pass
		8	0	19.69	-0.68	16.86	<=38.45	Pass
			4	19.70	-0.68	16.87	<=38.45	Pass
			7	19.77	-0.68	16.94	<=38.45	Pass
		15	0	19.66	-0.68	16.83	<=38.45	Pass
	847.5	1	0	21.34	-0.68	18.51	<=38.45	Pass
			7	21.32	-0.68	18.49	<=38.45	Pass
			14	21.37	-0.68	18.54	<=38.45	Pass
		8	0	20.21	-0.68	17.38	<=38.45	Pass
			4	20.24	-0.68	17.41	<=38.45	Pass
			7	19.92	-0.68	17.09	<=38.45	Pass
		15	0	19.96	-0.68	17.13	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	21.43	-0.68	18.60	<=38.45	Pass
			13	21.47	-0.68	18.64	<=38.45	Pass
			24	21.43	-0.68	18.60	<=38.45	Pass
		12	0	20.62	-0.68	17.79	<=38.45	Pass
			6	20.65	-0.68	17.82	<=38.45	Pass
			13	20.56	-0.68	17.73	<=38.45	Pass

16QAM	836.5	1	25	0	20.64	-0.68	17.81	<=38.45	Pass
			1	0	21.56	-0.68	18.73	<=38.45	Pass
				13	21.55	-0.68	18.72	<=38.45	Pass
				24	21.51	-0.68	18.68	<=38.45	Pass
		12	12	0	20.62	-0.68	17.79	<=38.45	Pass
				6	20.61	-0.68	17.78	<=38.45	Pass
				13	20.54	-0.68	17.71	<=38.45	Pass
		25	25	0	20.55	-0.68	17.72	<=38.45	Pass
				0	21.53	-0.68	18.70	<=38.45	Pass
				13	21.56	-0.68	18.73	<=38.45	Pass
16QAM	846.5	1	1	24	21.43	-0.68	18.60	<=38.45	Pass
				0	20.58	-0.68	17.75	<=38.45	Pass
				6	20.59	-0.68	17.76	<=38.45	Pass
		12	12	13	20.60	-0.68	17.77	<=38.45	Pass
				0	20.55	-0.68	17.72	<=38.45	Pass
				0	21.15	-0.68	18.32	<=38.45	Pass
		12	12	13	21.15	-0.68	18.32	<=38.45	Pass
				24	21.11	-0.68	18.28	<=38.45	Pass
				0	19.63	-0.68	16.80	<=38.45	Pass
		25	25	6	19.60	-0.68	16.77	<=38.45	Pass
				13	19.67	-0.68	16.84	<=38.45	Pass
				0	19.72	-0.68	16.89	<=38.45	Pass
	836.5	1	1	0	21.17	-0.68	18.34	<=38.45	Pass
				13	21.21	-0.68	18.38	<=38.45	Pass
				24	21.14	-0.68	18.31	<=38.45	Pass
		12	12	0	19.69	-0.68	16.86	<=38.45	Pass
				6	19.70	-0.68	16.87	<=38.45	Pass
				13	19.71	-0.68	16.88	<=38.45	Pass
		25	25	0	19.73	-0.68	16.90	<=38.45	Pass
				0	20.09	-0.68	17.26	<=38.45	Pass
		12	12	13	20.12	-0.68	17.29	<=38.45	Pass
				24	20.06	-0.68	17.23	<=38.45	Pass
				0	19.62	-0.68	16.79	<=38.45	Pass
	846.5	1	1	6	19.94	-0.68	17.11	<=38.45	Pass
				13	19.95	-0.68	17.12	<=38.45	Pass
				0	20.07	-0.68	17.24	<=38.45	Pass
		12	12	0	20.09	-0.68	17.26	<=38.45	Pass
				13	20.12	-0.68	17.29	<=38.45	Pass
				24	20.06	-0.68	17.23	<=38.45	Pass
		25	25	0	19.62	-0.68	16.79	<=38.45	Pass
				6	19.94	-0.68	17.11	<=38.45	Pass
				13	19.95	-0.68	17.12	<=38.45	Pass
		25	25	0	20.07	-0.68	17.24	<=38.45	Pass
				0	20.09	-0.68	17.26	<=38.45	Pass
				13	20.12	-0.68	17.29	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

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	21.58	-0.68	18.75	<=38.45	Pass
			25	21.59	-0.68	18.76	<=38.45	Pass
			49	21.62	-0.68	18.79	<=38.45	Pass
		25	0	20.71	-0.68	17.88	<=38.45	Pass
			13	20.76	-0.68	17.93	<=38.45	Pass
			25	20.63	-0.68	17.80	<=38.45	Pass
		50	0	20.76	-0.68	17.93	<=38.45	Pass
			0	21.66	-0.68	18.83	<=38.45	Pass
	836.5	1	25	21.81	-0.68	18.98	<=38.45	Pass
			49	21.73	-0.68	18.90	<=38.45	Pass
			0	20.68	-0.68	17.85	<=38.45	Pass
		25	13	20.73	-0.68	17.90	<=38.45	Pass
			25	20.68	-0.68	17.85	<=38.45	Pass
			0	20.60	-0.68	17.77	<=38.45	Pass
		50	0	20.60	-0.68	17.77	<=38.45	Pass
			0	20.60	-0.68	17.77	<=38.45	Pass

16QAM	844	1	0	21.54	-0.68	18.71	<=38.45	Pass
			25	21.62	-0.68	18.79	<=38.45	Pass
			49	21.63	-0.68	18.80	<=38.45	Pass
		25	0	20.60	-0.68	17.77	<=38.45	Pass
			13	20.58	-0.68	17.75	<=38.45	Pass
			25	20.66	-0.68	17.83	<=38.45	Pass
		50	0	20.56	-0.68	17.73	<=38.45	Pass
	829	1	0	20.90	-0.68	18.07	<=38.45	Pass
			25	20.92	-0.68	18.09	<=38.45	Pass
			49	21.00	-0.68	18.17	<=38.45	Pass
		25	0	19.97	-0.68	17.14	<=38.45	Pass
			13	19.92	-0.68	17.09	<=38.45	Pass
			25	19.88	-0.68	17.05	<=38.45	Pass
		50	0	19.83	-0.68	17.00	<=38.45	Pass
	836.5	1	0	21.26	-0.68	18.43	<=38.45	Pass
			25	21.38	-0.68	18.55	<=38.45	Pass
			49	21.39	-0.68	18.56	<=38.45	Pass
		25	0	19.83	-0.68	17.00	<=38.45	Pass
			13	19.87	-0.68	17.04	<=38.45	Pass
			25	19.80	-0.68	16.97	<=38.45	Pass
		50	0	19.87	-0.68	17.04	<=38.45	Pass
	844	1	0	21.59	-0.68	18.76	<=38.45	Pass
			25	21.58	-0.68	18.75	<=38.45	Pass
			49	21.57	-0.68	18.74	<=38.45	Pass
		25	0	20.00	-0.68	17.17	<=38.45	Pass
			13	19.73	-0.68	16.90	<=38.45	Pass
			25	20.00	-0.68	17.17	<=38.45	Pass
		50	0	19.77	-0.68	16.94	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

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	20	3.27	13.247	0.0161	-2.5 to 2.5	Pass
					3.85	-33.274	-0.0403	-2.5 to 2.5	Pass
					4.43	-41.842	-0.0507	-2.5 to 2.5	Pass
				-30	3.85	-11.086	-0.0134	-2.5 to 2.5	Pass
				-20	3.85	-23.489	-0.0285	-2.5 to 2.5	Pass
				-10	3.85	-29.812	-0.0361	-2.5 to 2.5	Pass
				0	3.85	-32.415	-0.0393	-2.5 to 2.5	Pass
				10	3.85	-38.023	-0.0461	-2.5 to 2.5	Pass
				30	3.85	-12.360	-0.0150	-2.5 to 2.5	Pass
				40	3.85	-20.671	-0.0251	-2.5 to 2.5	Pass
				50	3.85	-28.882	-0.0350	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	16.637	0.0199	-2.5 to 2.5	Pass
					3.85	17.266	0.0206	-2.5 to 2.5	Pass
					4.43	29.869	0.0357	-2.5 to 2.5	Pass
				-30	3.85	29.869	0.0357	-2.5 to 2.5	Pass
				-20	3.85	-24.204	-0.0289	-2.5 to 2.5	Pass
				-10	3.85	-12.989	-0.0155	-2.5 to 2.5	Pass

				0	3.85	-7.052	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-11.487	-0.0137	-2.5 to 2.5	Pass
				30	3.85	-3.047	-0.0036	-2.5 to 2.5	Pass
				40	3.85	9.742	0.0116	-2.5 to 2.5	Pass
				50	3.85	16.093	0.0192	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	12.031	0.0142	-2.5 to 2.5	Pass
					3.85	-6.824	-0.0080	-2.5 to 2.5	Pass
					4.43	-14.234	-0.0168	-2.5 to 2.5	Pass
				-30	3.85	-18.983	-0.0224	-2.5 to 2.5	Pass
				-20	3.85	-23.360	-0.0275	-2.5 to 2.5	Pass
				-10	3.85	-26.250	-0.0309	-2.5 to 2.5	Pass
				0	3.85	-28.996	-0.0342	-2.5 to 2.5	Pass
				10	3.85	-5.164	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-4.835	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-5.622	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-30.727	-0.0362	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-29.984	-0.0364	-2.5 to 2.5	Pass
					3.85	-19.398	-0.0235	-2.5 to 2.5	Pass
					4.43	-18.539	-0.0225	-2.5 to 2.5	Pass
				-30	3.85	-24.991	-0.0303	-2.5 to 2.5	Pass
				-20	3.85	-16.651	-0.0202	-2.5 to 2.5	Pass
				-10	3.85	-42.000	-0.0509	-2.5 to 2.5	Pass
				0	3.85	-23.031	-0.0279	-2.5 to 2.5	Pass
				10	3.85	-32.358	-0.0392	-2.5 to 2.5	Pass
				30	3.85	-29.383	-0.0356	-2.5 to 2.5	Pass
				40	3.85	-29.812	-0.0361	-2.5 to 2.5	Pass
				50	3.85	-27.552	-0.0334	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	21.801	0.0261	-2.5 to 2.5	Pass
					3.85	23.274	0.0278	-2.5 to 2.5	Pass
					4.43	39.067	0.0467	-2.5 to 2.5	Pass
				-30	3.85	32.144	0.0384	-2.5 to 2.5	Pass
				-20	3.85	30.212	0.0361	-2.5 to 2.5	Pass
				-10	3.85	33.131	0.0396	-2.5 to 2.5	Pass
				0	3.85	46.549	0.0556	-2.5 to 2.5	Pass
				10	3.85	3.633	0.0043	-2.5 to 2.5	Pass
				30	3.85	12.288	0.0147	-2.5 to 2.5	Pass
				40	3.85	20.714	0.0248	-2.5 to 2.5	Pass
				50	3.85	24.505	0.0293	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-17.939	-0.0211	-2.5 to 2.5	Pass
					3.85	-21.186	-0.0250	-2.5 to 2.5	Pass
					4.43	-8.554	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-8.225	-0.0097	-2.5 to 2.5	Pass
				-20	3.85	3.061	0.0036	-2.5 to 2.5	Pass
				-10	3.85	-6.623	-0.0078	-2.5 to 2.5	Pass
				0	3.85	4.406	0.0052	-2.5 to 2.5	Pass
				10	3.85	13.833	0.0163	-2.5 to 2.5	Pass
				30	3.85	17.810	0.0210	-2.5 to 2.5	Pass
				40	3.85	26.464	0.0312	-2.5 to 2.5	Pass
				50	3.85	12.703	0.0150	-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	20	3.27	-2.975	-0.0036	-2.5 to 2.5	Pass
					3.85	-22.902	-0.0277	-2.5 to 2.5	Pass

					4.43	-6.266	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	-37.866	-0.0459	-2.5 to 2.5	Pass
				-20	3.85	-2.046	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-19.012	-0.0230	-2.5 to 2.5	Pass
				0	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-11.644	-0.0141	-2.5 to 2.5	Pass
				30	3.85	-22.459	-0.0272	-2.5 to 2.5	Pass
				40	3.85	-27.781	-0.0337	-2.5 to 2.5	Pass
				50	3.85	-42.257	-0.0512	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	11.702	0.0140	-2.5 to 2.5	Pass
					3.85	5.879	0.0070	-2.5 to 2.5	Pass
					4.43	14.477	0.0173	-2.5 to 2.5	Pass
				-30	3.85	15.879	0.0190	-2.5 to 2.5	Pass
				-20	3.85	23.918	0.0286	-2.5 to 2.5	Pass
				-10	3.85	26.822	0.0321	-2.5 to 2.5	Pass
				0	3.85	14.949	0.0179	-2.5 to 2.5	Pass
				10	3.85	8.426	0.0101	-2.5 to 2.5	Pass
				30	3.85	18.396	0.0220	-2.5 to 2.5	Pass
				40	3.85	20.785	0.0248	-2.5 to 2.5	Pass
				50	3.85	14.734	0.0176	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	20.185	0.0238	-2.5 to 2.5	Pass
					3.85	6.566	0.0077	-2.5 to 2.5	Pass
					4.43	-20.928	-0.0247	-2.5 to 2.5	Pass
				-30	3.85	-27.766	-0.0328	-2.5 to 2.5	Pass
				-20	3.85	-32.544	-0.0384	-2.5 to 2.5	Pass
				-10	3.85	-33.474	-0.0395	-2.5 to 2.5	Pass
				0	3.85	-41.156	-0.0486	-2.5 to 2.5	Pass
				10	3.85	-44.818	-0.0529	-2.5 to 2.5	Pass
				30	3.85	-43.130	-0.0509	-2.5 to 2.5	Pass
				40	3.85	-1.473	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-43.430	-0.0512	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	-7.753	-0.0094	-2.5 to 2.5	Pass
					3.85	0.501	0.0006	-2.5 to 2.5	Pass
					4.43	10.614	0.0129	-2.5 to 2.5	Pass
				-30	3.85	12.889	0.0156	-2.5 to 2.5	Pass
				-20	3.85	5.765	0.0070	-2.5 to 2.5	Pass
				-10	3.85	9.713	0.0118	-2.5 to 2.5	Pass
				0	3.85	14.663	0.0178	-2.5 to 2.5	Pass
				10	3.85	21.358	0.0259	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-46.163	-0.0559	-2.5 to 2.5	Pass
				50	3.85	0.787	0.0010	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	16.193	0.0194	-2.5 to 2.5	Pass
					3.85	29.254	0.0350	-2.5 to 2.5	Pass
					4.43	41.728	0.0499	-2.5 to 2.5	Pass
				-30	3.85	36.750	0.0439	-2.5 to 2.5	Pass
				-20	3.85	8.655	0.0103	-2.5 to 2.5	Pass
				-10	3.85	22.573	0.0270	-2.5 to 2.5	Pass
				0	3.85	28.195	0.0337	-2.5 to 2.5	Pass
				10	3.85	37.193	0.0445	-2.5 to 2.5	Pass
				30	3.85	47.722	0.0570	-2.5 to 2.5	Pass
				40	3.85	-5.078	-0.0061	-2.5 to 2.5	Pass
				50	3.85	0.272	0.0003	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-7.210	-0.0085	-2.5 to 2.5	Pass
					3.85	-13.762	-0.0162	-2.5 to 2.5	Pass
					4.43	-2.074	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	11.401	0.0135	-2.5 to 2.5	Pass
				-20	3.85	9.842	0.0116	-2.5 to 2.5	Pass
				-10	3.85	11.873	0.0140	-2.5 to 2.5	Pass

				0	3.85	22.960	0.0271	-2.5 to 2.5	Pass
				10	3.85	30.627	0.0361	-2.5 to 2.5	Pass
				30	3.85	22.016	0.0260	-2.5 to 2.5	Pass
				40	3.85	24.004	0.0283	-2.5 to 2.5	Pass
				50	3.85	33.145	0.0391	-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	20	3.27	-5.822	-0.0070	-2.5 to 2.5	Pass
					3.85	-10.457	-0.0127	-2.5 to 2.5	Pass
					4.43	-31.171	-0.0377	-2.5 to 2.5	Pass
				-30	3.85	-29.111	-0.0352	-2.5 to 2.5	Pass
				-20	3.85	-7.596	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-33.302	-0.0403	-2.5 to 2.5	Pass
				0	3.85	-6.380	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-18.239	-0.0221	-2.5 to 2.5	Pass
				30	3.85	-31.385	-0.0380	-2.5 to 2.5	Pass
				40	3.85	-25.005	-0.0303	-2.5 to 2.5	Pass
				50	3.85	-26.922	-0.0326	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	21.243	0.0254	-2.5 to 2.5	Pass
					3.85	27.695	0.0331	-2.5 to 2.5	Pass
					4.43	10.929	0.0131	-2.5 to 2.5	Pass
				-30	3.85	-6.967	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-2.704	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-42.329	-0.0506	-2.5 to 2.5	Pass
				0	3.85	-10.357	-0.0124	-2.5 to 2.5	Pass
				10	3.85	-13.103	-0.0157	-2.5 to 2.5	Pass
				30	3.85	-35.434	-0.0424	-2.5 to 2.5	Pass
				40	3.85	-39.940	-0.0477	-2.5 to 2.5	Pass
				50	3.85	-41.699	-0.0498	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-5.708	-0.0067	-2.5 to 2.5	Pass
					3.85	-5.493	-0.0065	-2.5 to 2.5	Pass
					4.43	-25.005	-0.0295	-2.5 to 2.5	Pass
				-30	3.85	-24.133	-0.0285	-2.5 to 2.5	Pass
				-20	3.85	-38.781	-0.0458	-2.5 to 2.5	Pass
				-10	3.85	1.130	0.0013	-2.5 to 2.5	Pass
				0	3.85	-10.400	-0.0123	-2.5 to 2.5	Pass
				10	3.85	-26.135	-0.0309	-2.5 to 2.5	Pass
				30	3.85	-31.772	-0.0375	-2.5 to 2.5	Pass
				40	3.85	-17.953	-0.0212	-2.5 to 2.5	Pass
				50	3.85	-28.152	-0.0333	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-44.389	-0.0537	-2.5 to 2.5	Pass
					3.85	-4.592	-0.0056	-2.5 to 2.5	Pass
					4.43	-13.890	-0.0168	-2.5 to 2.5	Pass
				-30	3.85	-33.174	-0.0401	-2.5 to 2.5	Pass
				-20	3.85	-1.187	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-6.781	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-29.426	-0.0356	-2.5 to 2.5	Pass
				10	3.85	-11.773	-0.0142	-2.5 to 2.5	Pass
				30	3.85	-1.574	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-40.684	-0.0492	-2.5 to 2.5	Pass
				50	3.85	-33.689	-0.0408	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-1.960	-0.0023	-2.5 to 2.5	Pass
					3.85	-13.289	-0.0159	-2.5 to 2.5	Pass

					4.43	-20.185	-0.0241	-2.5 to 2.5	Pass
				-30	3.85	-20.499	-0.0245	-2.5 to 2.5	Pass
				-20	3.85	-21.100	-0.0252	-2.5 to 2.5	Pass
				-10	3.85	-32.272	-0.0386	-2.5 to 2.5	Pass
				0	3.85	-30.842	-0.0369	-2.5 to 2.5	Pass
				10	3.85	-22.831	-0.0273	-2.5 to 2.5	Pass
				30	3.85	-25.148	-0.0301	-2.5 to 2.5	Pass
				40	3.85	-21.415	-0.0256	-2.5 to 2.5	Pass
				50	3.85	-34.332	-0.0410	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-29.268	-0.0346	-2.5 to 2.5	Pass
					3.85	-24.905	-0.0294	-2.5 to 2.5	Pass
					4.43	-22.445	-0.0265	-2.5 to 2.5	Pass
				-30	3.85	-39.754	-0.0470	-2.5 to 2.5	Pass
				-20	3.85	-37.823	-0.0447	-2.5 to 2.5	Pass
				-10	3.85	-44.804	-0.0529	-2.5 to 2.5	Pass
				0	3.85	-14.935	-0.0176	-2.5 to 2.5	Pass
				10	3.85	-43.130	-0.0510	-2.5 to 2.5	Pass
				30	3.85	-24.104	-0.0285	-2.5 to 2.5	Pass
				40	3.85	6.080	0.0072	-2.5 to 2.5	Pass
				50	3.85	9.456	0.0112	-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	20	3.27	-6.738	-0.0081	-2.5 to 2.5	Pass
					3.85	-31.614	-0.0381	-2.5 to 2.5	Pass
					4.43	-25.077	-0.0302	-2.5 to 2.5	Pass
				-30	3.85	-11.802	-0.0142	-2.5 to 2.5	Pass
				-20	3.85	-11.387	-0.0137	-2.5 to 2.5	Pass
				-10	3.85	-14.377	-0.0173	-2.5 to 2.5	Pass
				0	3.85	-42.329	-0.0511	-2.5 to 2.5	Pass
				10	3.85	-21.930	-0.0265	-2.5 to 2.5	Pass
				30	3.85	-12.918	-0.0156	-2.5 to 2.5	Pass
				40	3.85	-36.464	-0.0440	-2.5 to 2.5	Pass
				50	3.85	-4.506	-0.0054	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	25.549	0.0305	-2.5 to 2.5	Pass
					3.85	-10.014	-0.0120	-2.5 to 2.5	Pass
					4.43	3.376	0.0040	-2.5 to 2.5	Pass
				-30	3.85	21.315	0.0255	-2.5 to 2.5	Pass
				-20	3.85	26.908	0.0322	-2.5 to 2.5	Pass
				-10	3.85	13.890	0.0166	-2.5 to 2.5	Pass
				0	3.85	-34.661	-0.0414	-2.5 to 2.5	Pass
				10	3.85	-44.732	-0.0535	-2.5 to 2.5	Pass
				30	3.85	-6.652	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-28.596	-0.0342	-2.5 to 2.5	Pass
				50	3.85	-25.949	-0.0310	-2.5 to 2.5	Pass
	844	50	0	20	3.27	16.422	0.0195	-2.5 to 2.5	Pass
					3.85	-9.799	-0.0116	-2.5 to 2.5	Pass
					4.43	-40.154	-0.0476	-2.5 to 2.5	Pass
				-30	3.85	-1.545	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-17.767	-0.0211	-2.5 to 2.5	Pass
				-10	3.85	-25.849	-0.0306	-2.5 to 2.5	Pass
				0	3.85	-5.107	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-5.794	-0.0069	-2.5 to 2.5	Pass
				30	3.85	-10.271	-0.0122	-2.5 to 2.5	Pass

16QAM	829	50	0	40	3.85	-39.110	-0.0463	-2.5 to 2.5	Pass
				50	3.85	-15.435	-0.0183	-2.5 to 2.5	Pass
				20	3.27	-10.571	-0.0128	-2.5 to 2.5	Pass
					3.85	-1.974	-0.0024	-2.5 to 2.5	Pass
					4.43	6.309	0.0076	-2.5 to 2.5	Pass
				-30	3.85	-6.795	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	1.087	0.0013	-2.5 to 2.5	Pass
				-10	3.85	36.592	0.0441	-2.5 to 2.5	Pass
				0	3.85	5.007	0.0060	-2.5 to 2.5	Pass
				10	3.85	8.526	0.0103	-2.5 to 2.5	Pass
	836.5	50	0	30	3.85	17.967	0.0217	-2.5 to 2.5	Pass
				40	3.85	28.682	0.0346	-2.5 to 2.5	Pass
				50	3.85	28.982	0.0350	-2.5 to 2.5	Pass
				20	3.27	-24.533	-0.0293	-2.5 to 2.5	Pass
					3.85	-11.473	-0.0137	-2.5 to 2.5	Pass
					4.43	-19.555	-0.0234	-2.5 to 2.5	Pass
				-30	3.85	-12.088	-0.0145	-2.5 to 2.5	Pass
				-20	3.85	-3.362	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-27.008	-0.0323	-2.5 to 2.5	Pass
				0	3.85	3.276	0.0039	-2.5 to 2.5	Pass
	844	50	0	10	3.85	1.616	0.0019	-2.5 to 2.5	Pass
				30	3.85	9.642	0.0115	-2.5 to 2.5	Pass
				40	3.85	24.548	0.0293	-2.5 to 2.5	Pass
				50	3.85	15.950	0.0191	-2.5 to 2.5	Pass
				20	3.27	-9.227	-0.0109	-2.5 to 2.5	Pass
					3.85	0.472	0.0006	-2.5 to 2.5	Pass
					4.43	-3.047	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	2.317	0.0027	-2.5 to 2.5	Pass
				-20	3.85	6.652	0.0079	-2.5 to 2.5	Pass
				-10	3.85	14.677	0.0174	-2.5 to 2.5	Pass
				0	3.85	5.250	0.0062	-2.5 to 2.5	Pass
				10	3.85	12.603	0.0149	-2.5 to 2.5	Pass
				30	3.85	18.396	0.0218	-2.5 to 2.5	Pass
				40	3.85	22.602	0.0268	-2.5 to 2.5	Pass
				50	3.85	16.365	0.0194	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

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

3.1.2 B5_3MHz

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

3.1.3 B5_5MHz

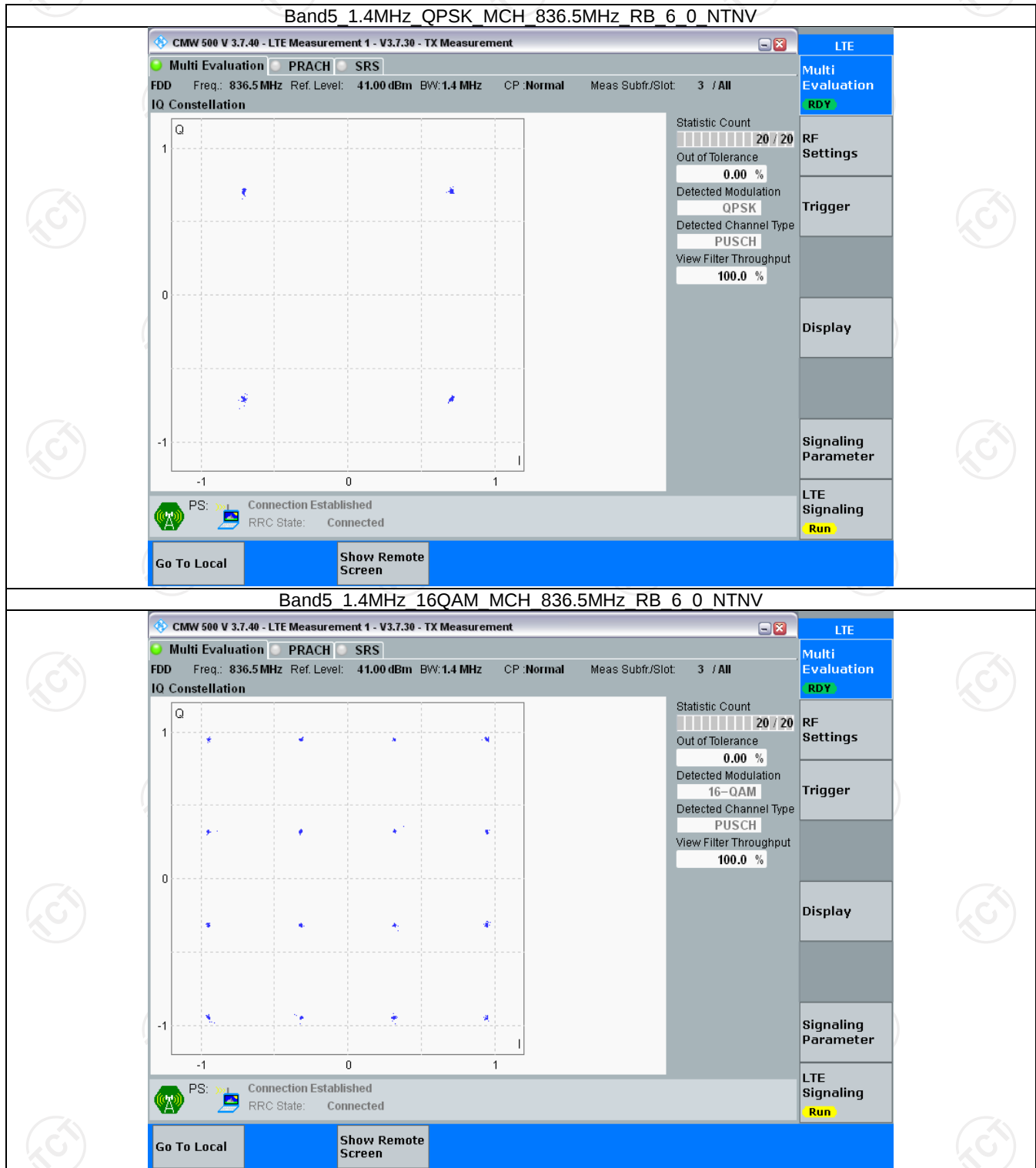
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

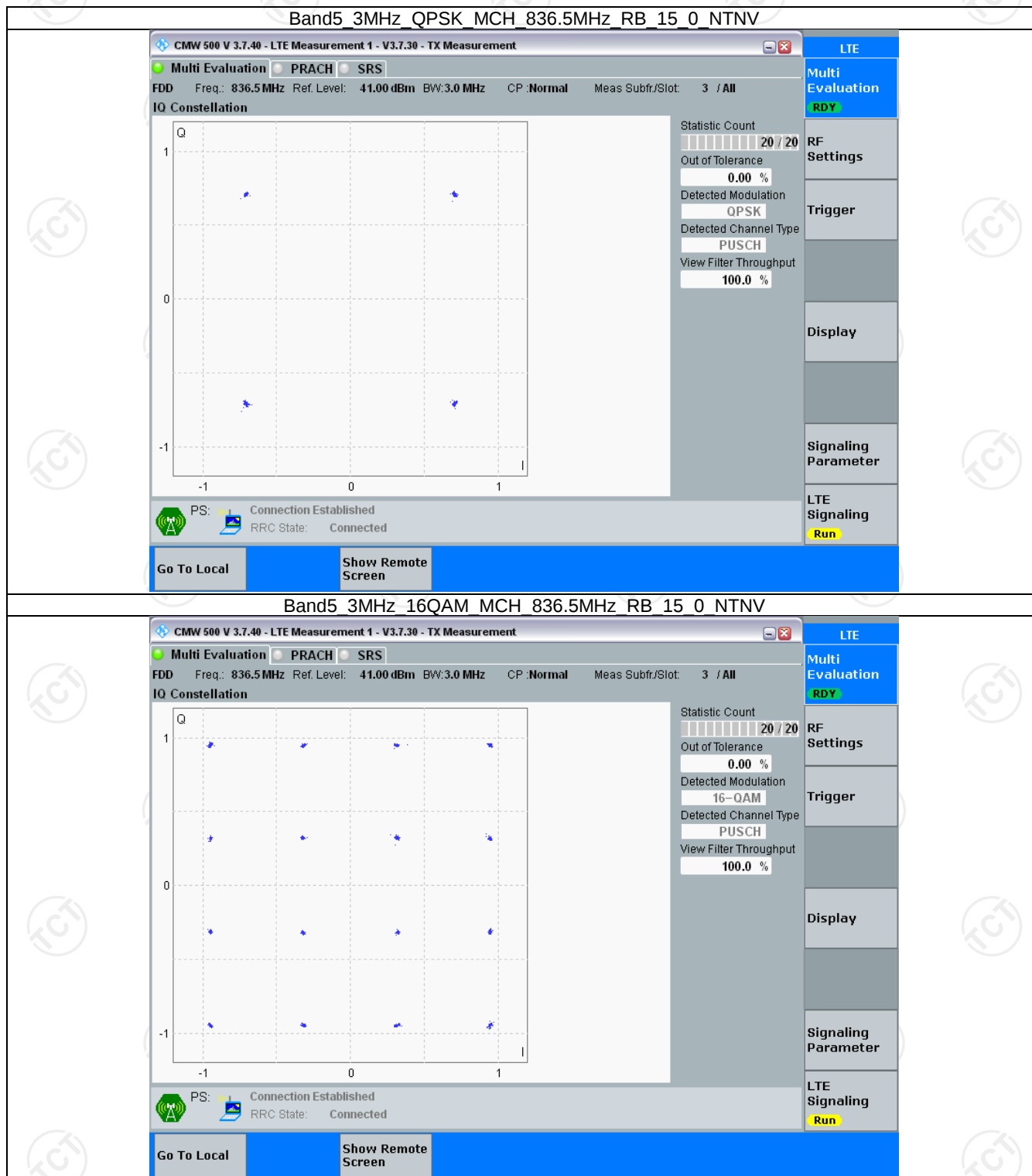
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

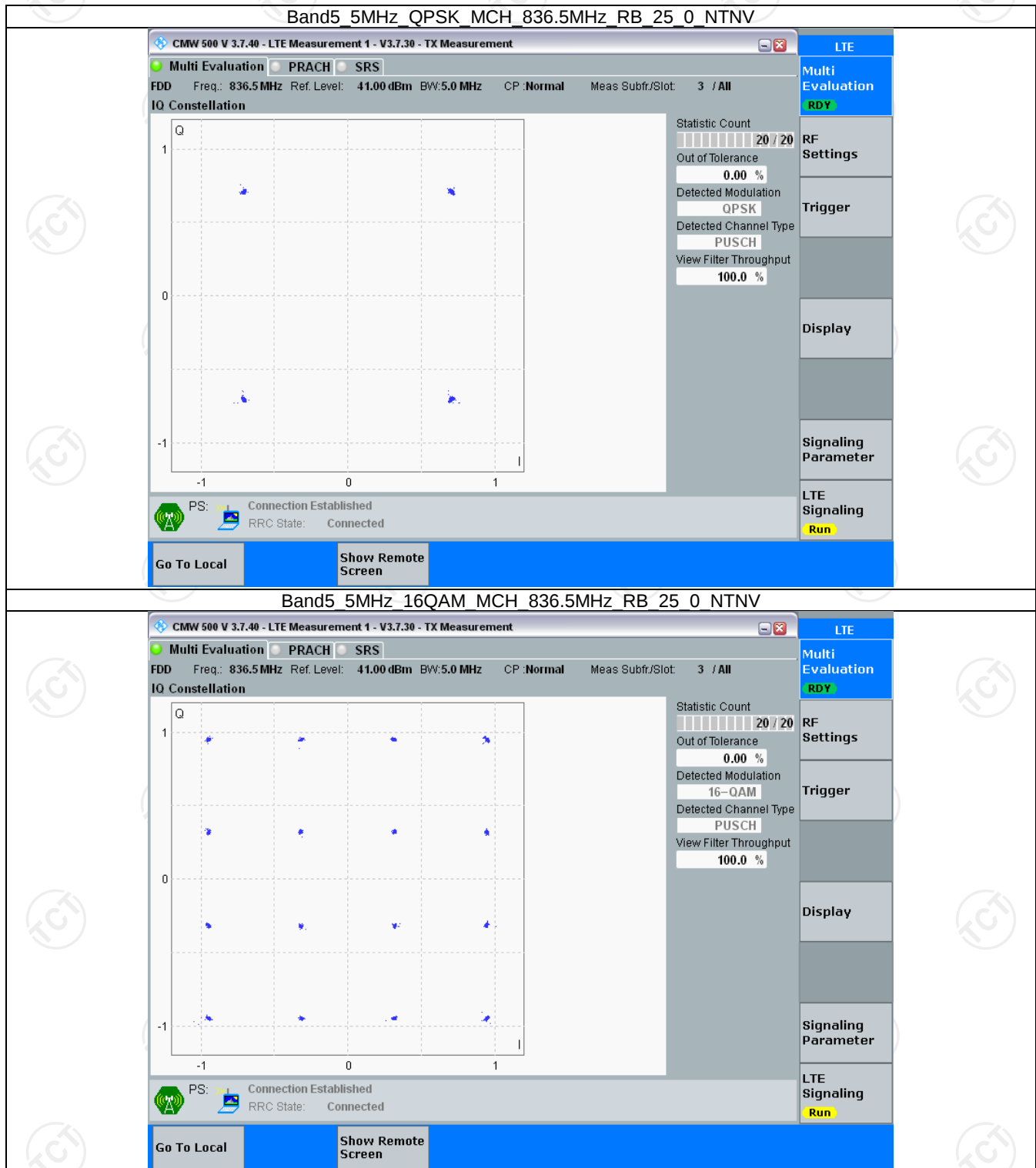
3.2.1 B5_1.4MHz



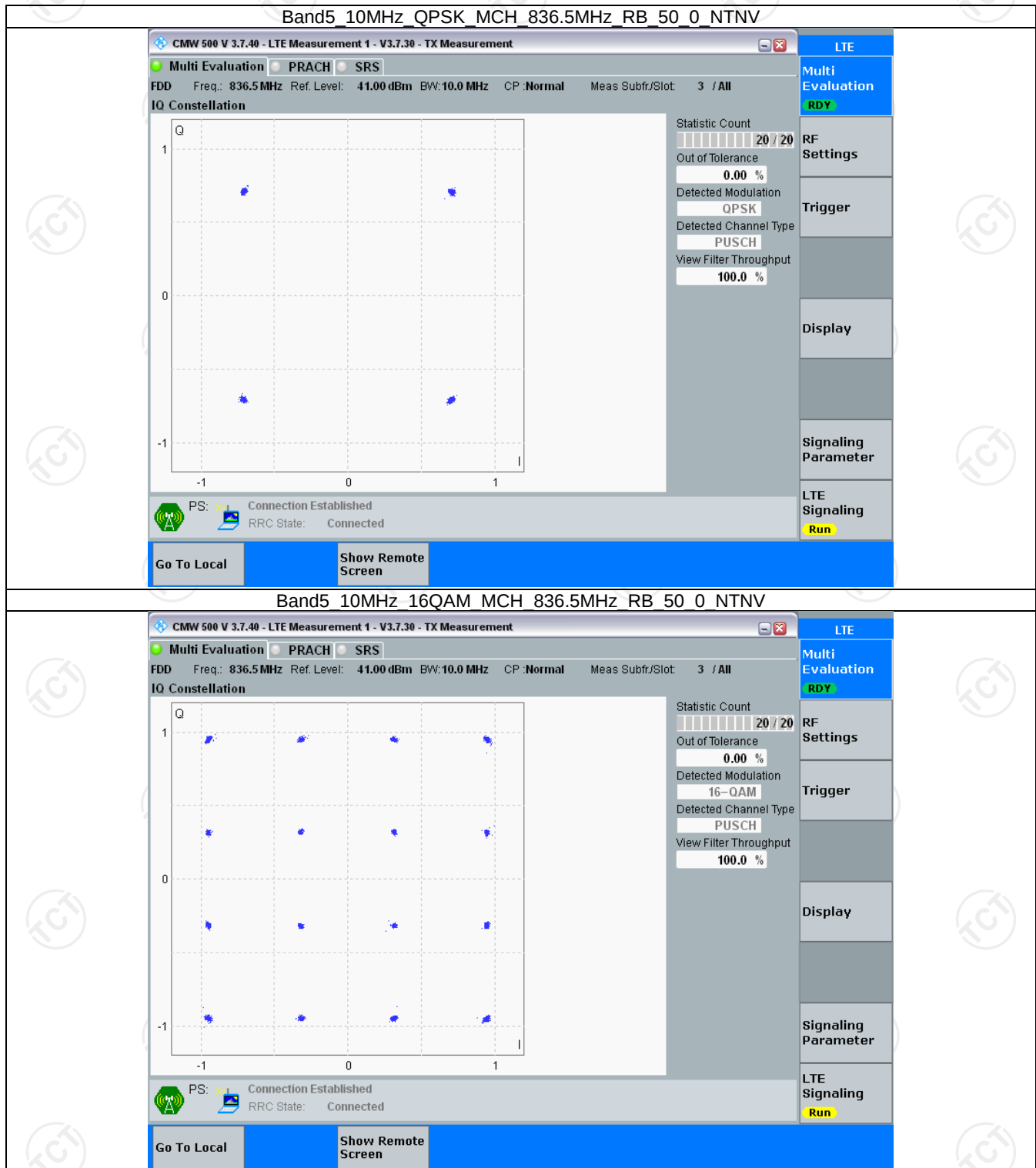
3.2.2 B5_3MHz



3.2.3 B5_5MHz



3.2.4 B5_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 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	1.113	/	Pass
		836.5	6	0	1.105	/	Pass
		848.3	6	0	1.106	/	Pass
	16QAM	824.7	6	0	1.112	/	Pass
		836.5	6	0	1.115	/	Pass
		848.3	6	0	1.106	/	Pass
3	QPSK	825.5	15	0	2.753	/	Pass
		836.5	15	0	2.755	/	Pass
		847.5	15	0	2.751	/	Pass
	16QAM	825.5	15	0	2.764	/	Pass
		836.5	15	0	2.749	/	Pass
		847.5	15	0	2.779	/	Pass
5	QPSK	826.5	25	0	4.557	/	Pass
		836.5	25	0	4.541	/	Pass
		846.5	25	0	4.550	/	Pass
	16QAM	826.5	25	0	4.570	/	Pass
		836.5	25	0	4.571	/	Pass
		846.5	25	0	4.551	/	Pass
10	QPSK	829	50	0	9.093	/	Pass
		836.5	50	0	9.035	/	Pass
		844	50	0	9.092	/	Pass
	16QAM	829	50	0	9.092	/	Pass
		836.5	50	0	9.021	/	Pass
		844	50	0	9.070	/	Pass

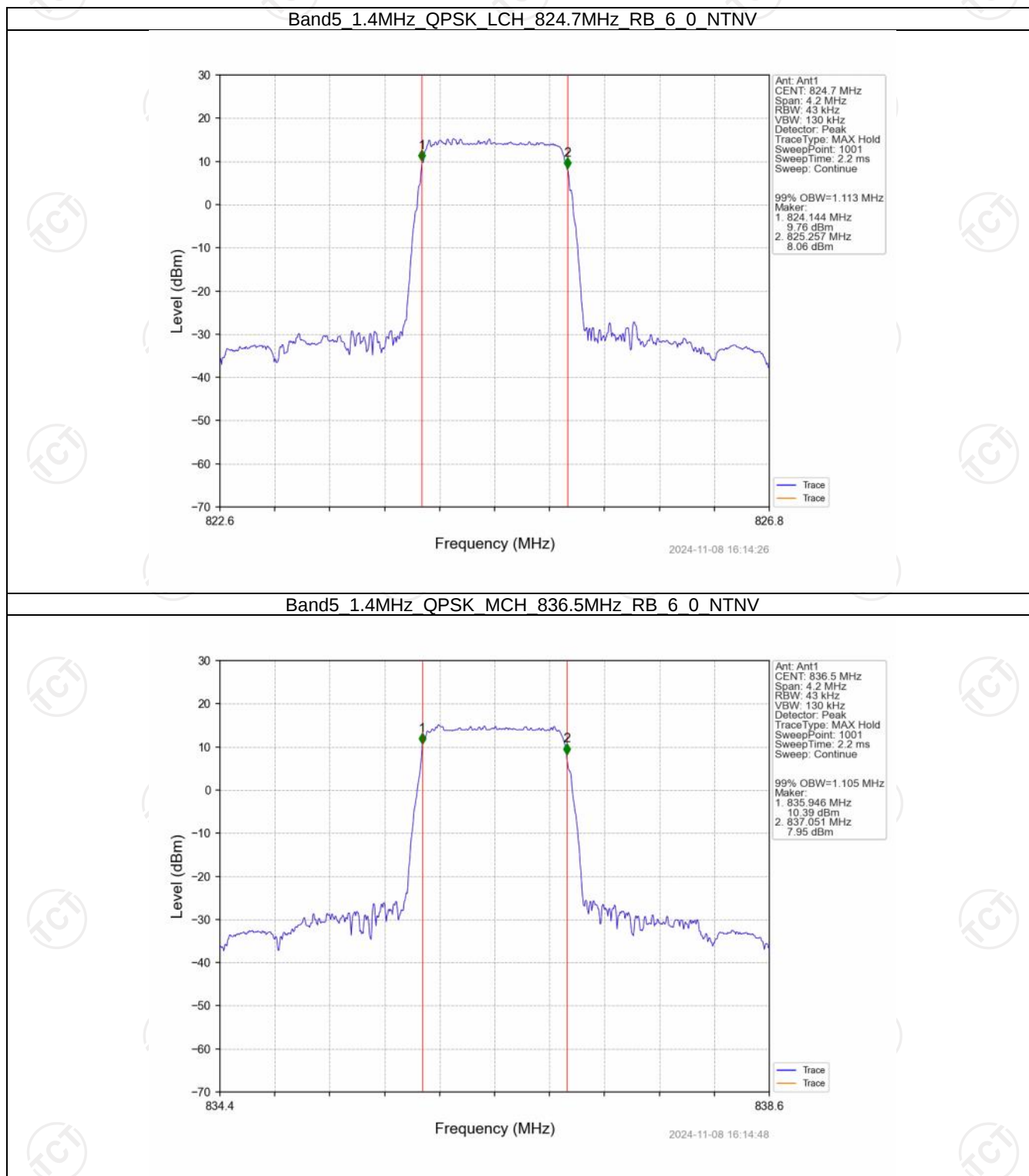
4.1.2 Band5_XDB

Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.271	/	Pass
		836.5	6	0	1.275	/	Pass
		848.3	6	0	1.267	/	Pass
	16QAM	824.7	6	0	1.274	/	Pass
		836.5	6	0	1.272	/	Pass
		848.3	6	0	1.267	/	Pass
3	QPSK	825.5	15	0	3.095	/	Pass
		836.5	15	0	3.075	/	Pass
		847.5	15	0	3.093	/	Pass
	16QAM	825.5	15	0	3.105	/	Pass
		836.5	15	0	3.083	/	Pass
		847.5	15	0	3.114	/	Pass
5	QPSK	826.5	25	0	5.061	/	Pass
		836.5	25	0	5.053	/	Pass
		846.5	25	0	5.033	/	Pass

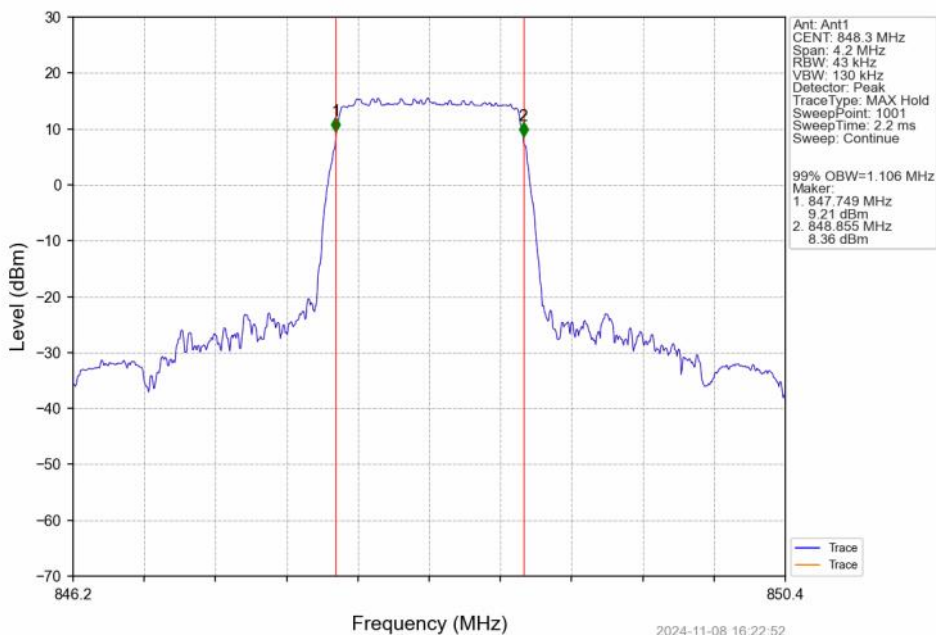
10	16QAM	826.5	25	0	5.072	/	Pass
		836.5	25	0	5.048	/	Pass
		846.5	25	0	5.048	/	Pass
	QPSK	829	50	0	10.032	/	Pass
		836.5	50	0	10.006	/	Pass
		844	50	0	10.035	/	Pass
	16QAM	829	50	0	10.087	/	Pass
		836.5	50	0	10.062	/	Pass
		844	50	0	10.054	/	Pass

4.2 Test Graph

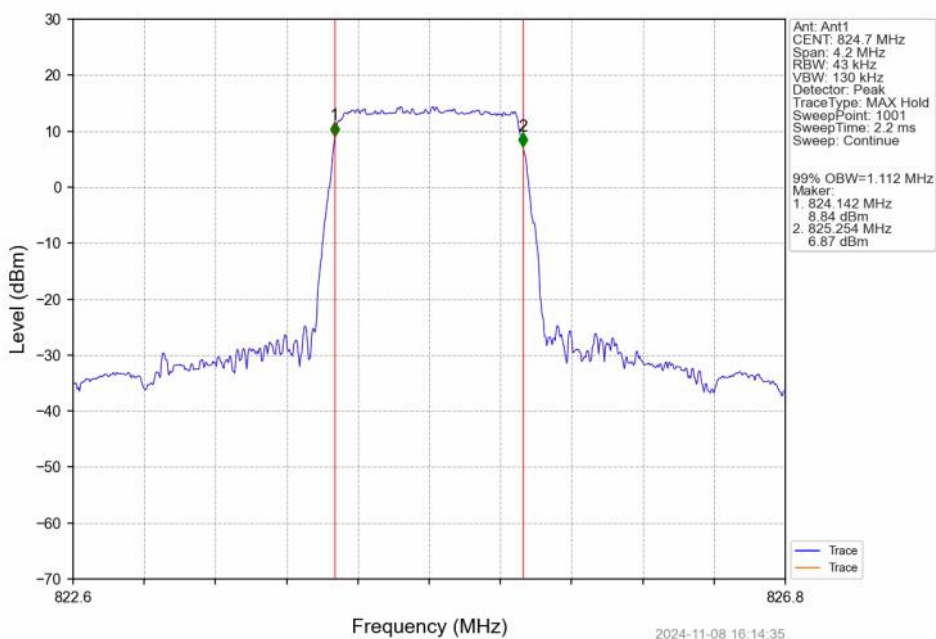
4.2.1 Band5_OBW



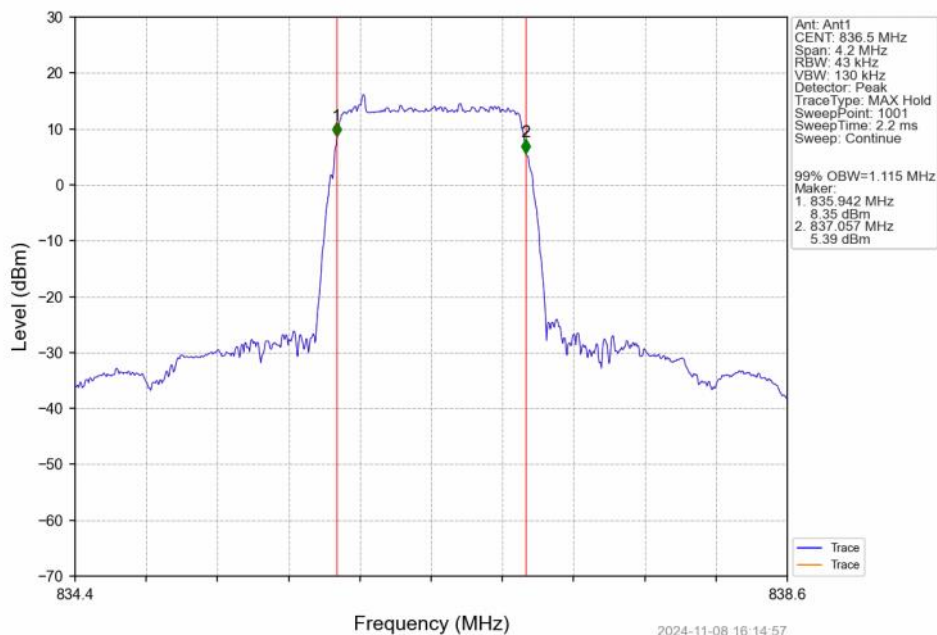
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



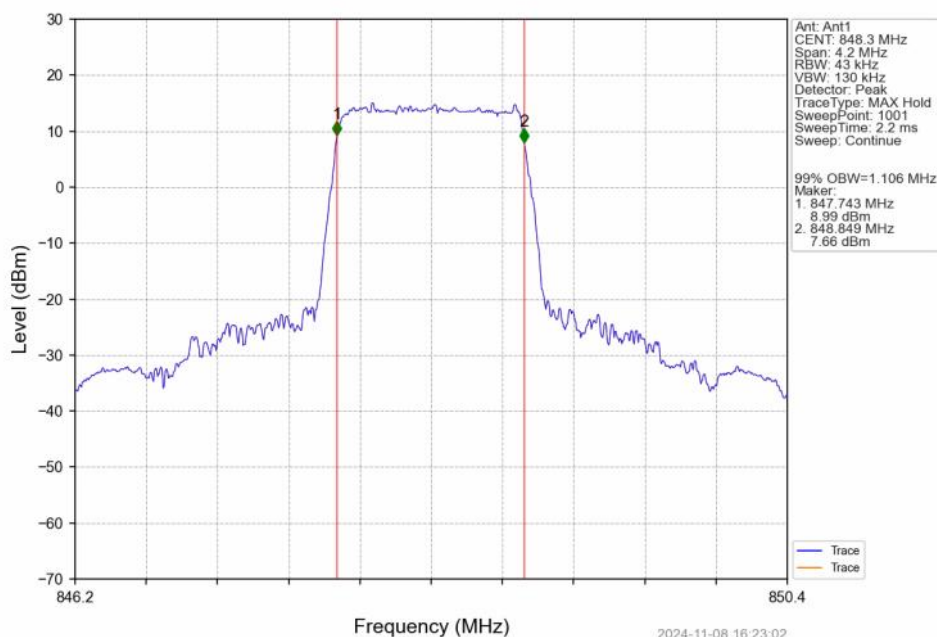
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



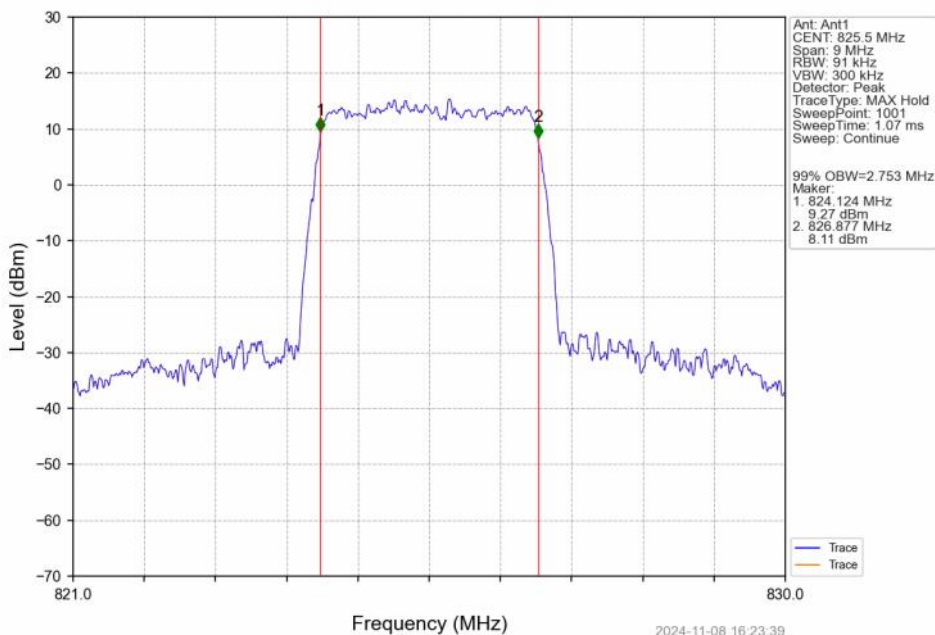
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



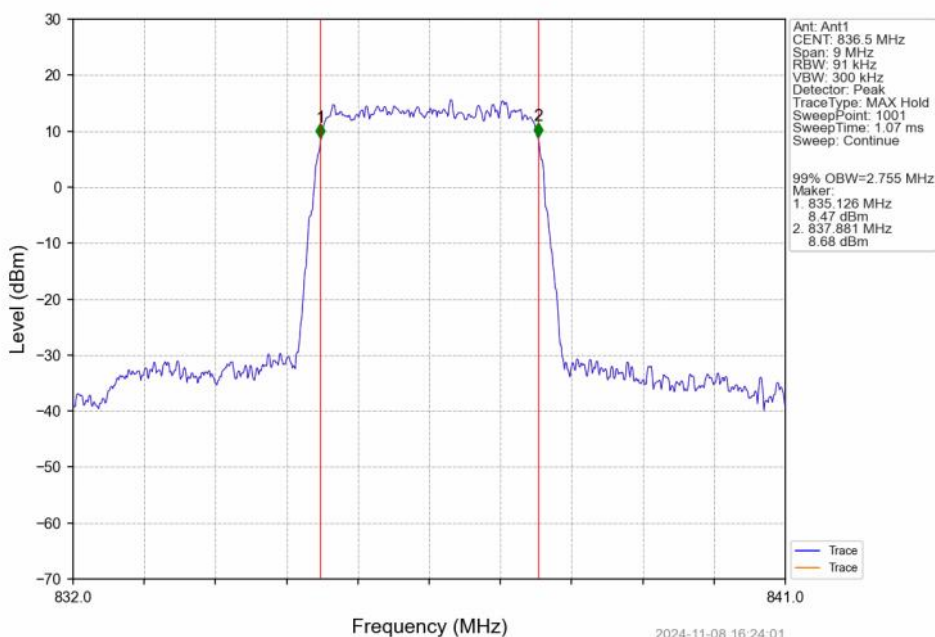
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



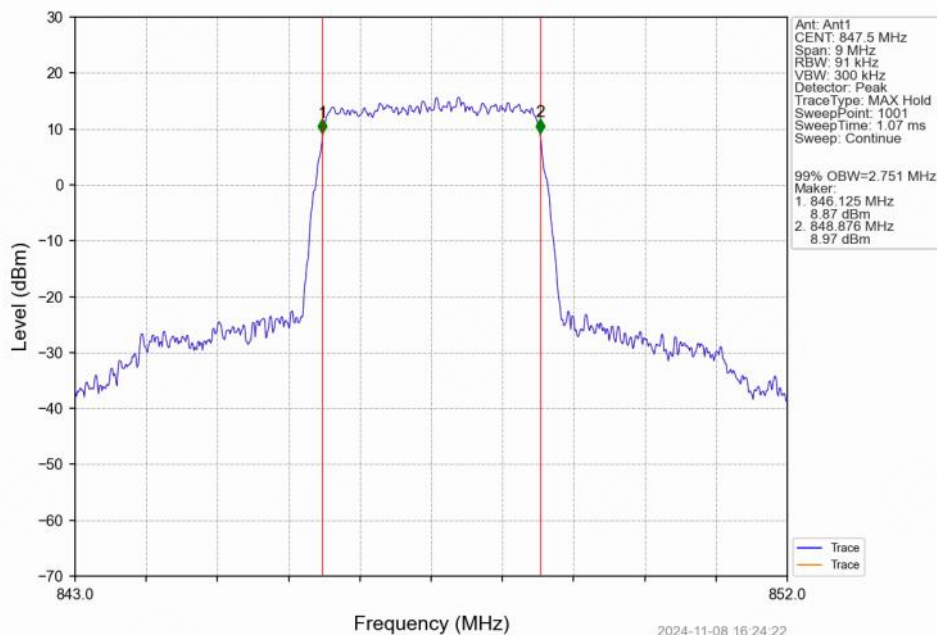
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



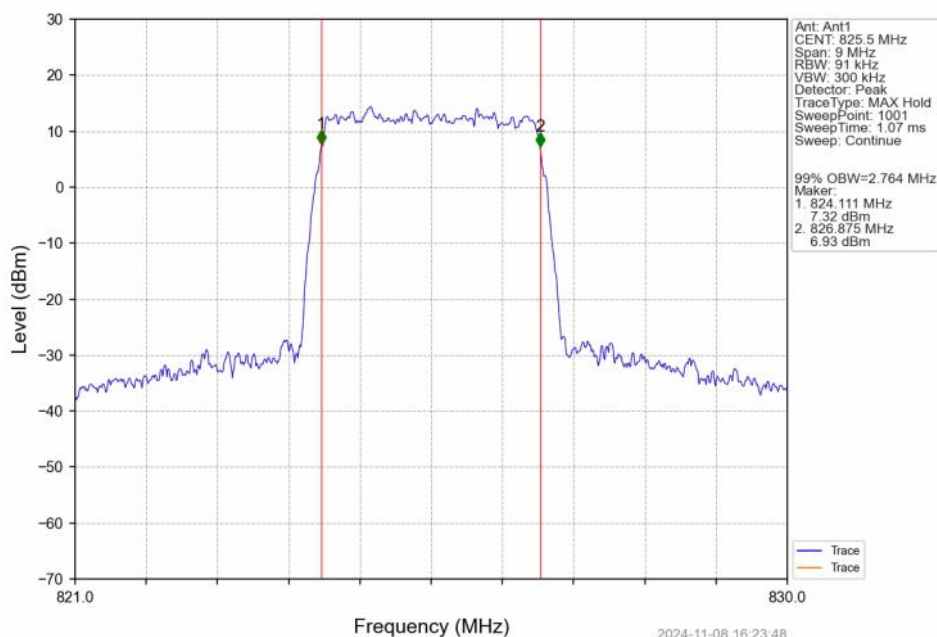
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



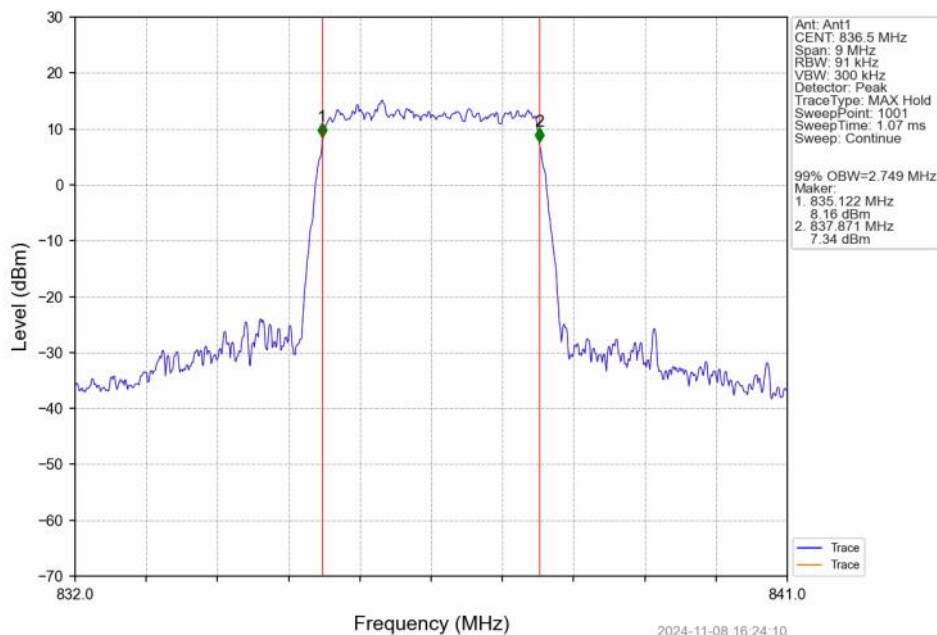
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



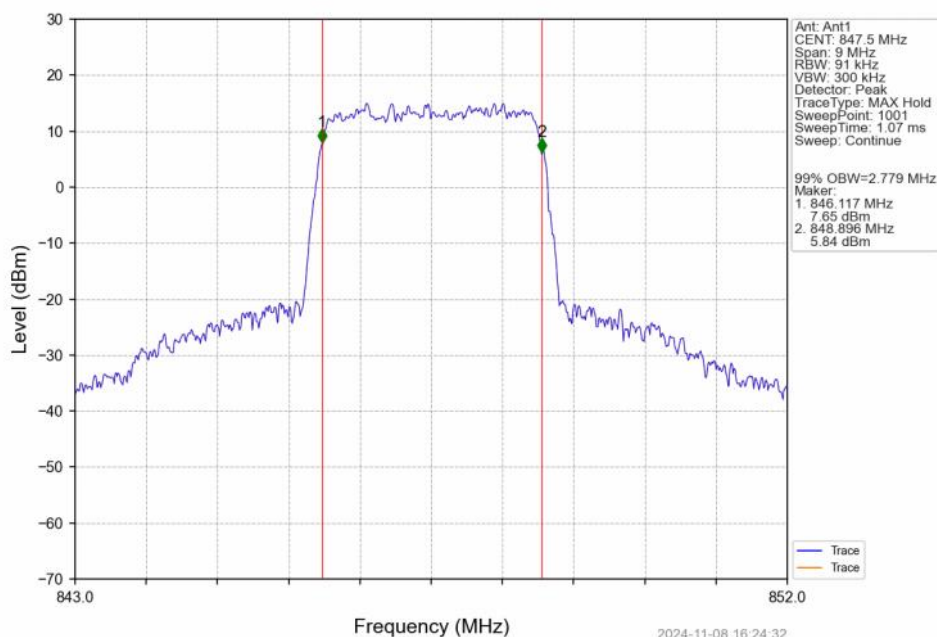
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



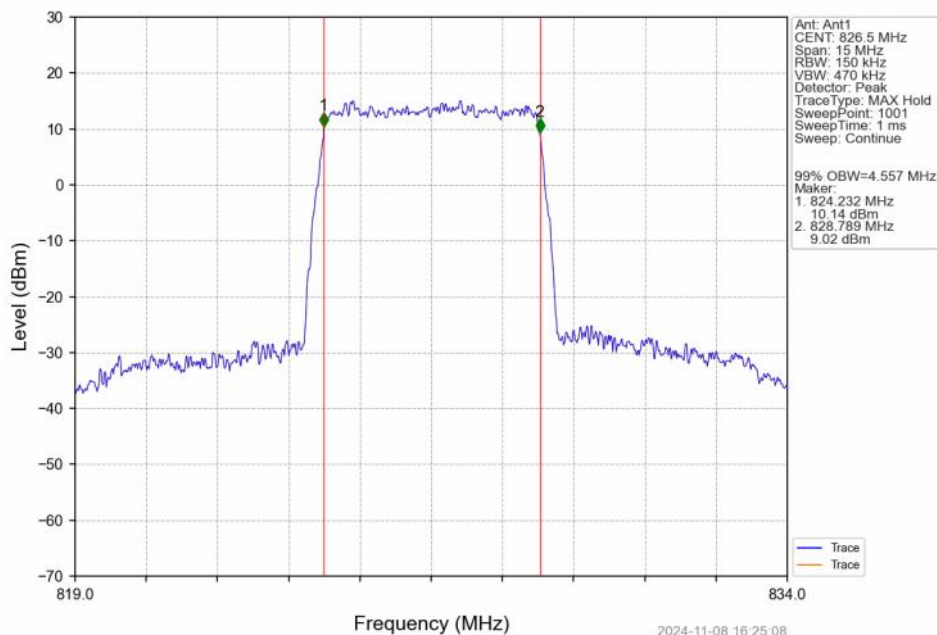
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV



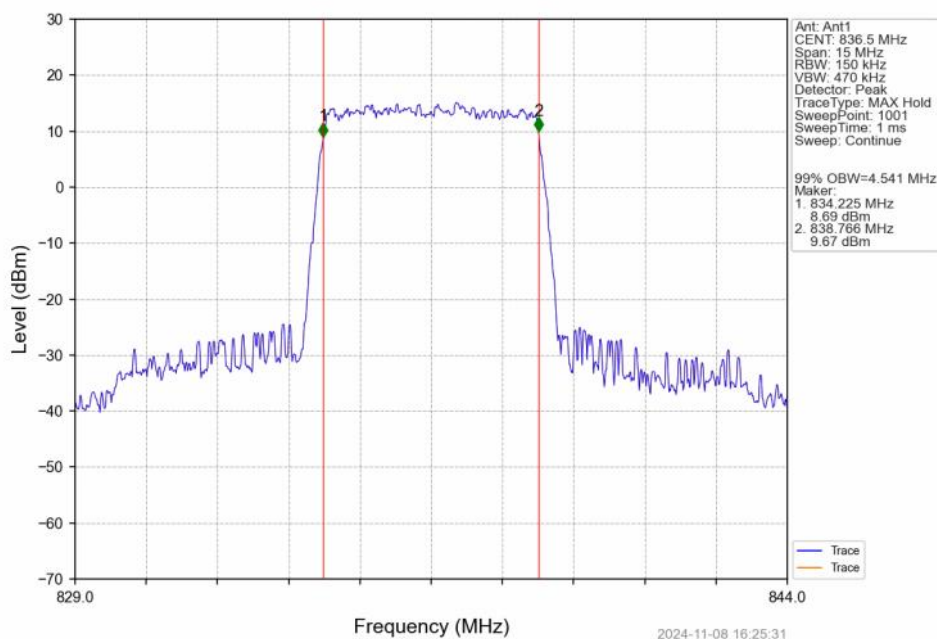
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV



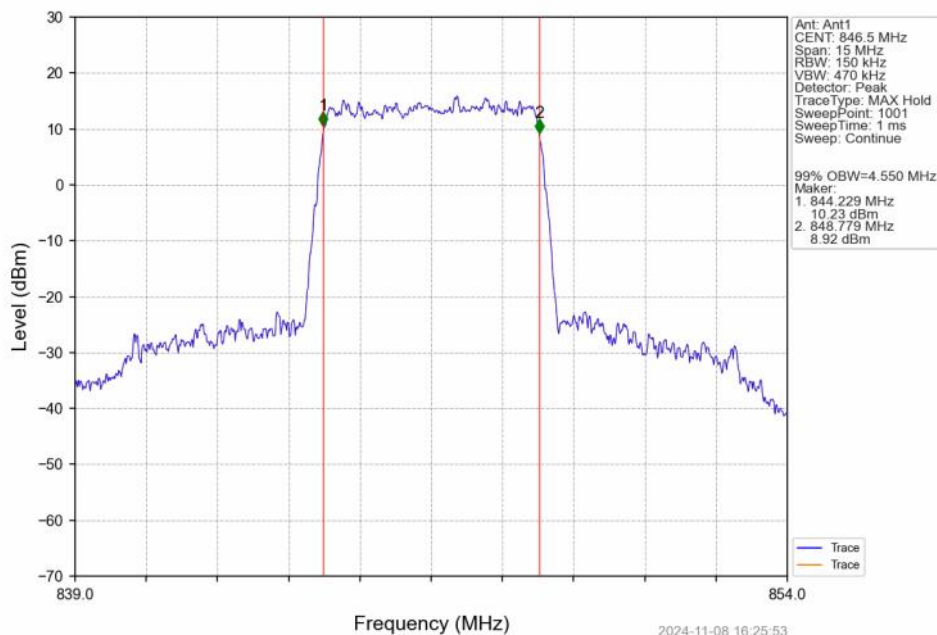
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



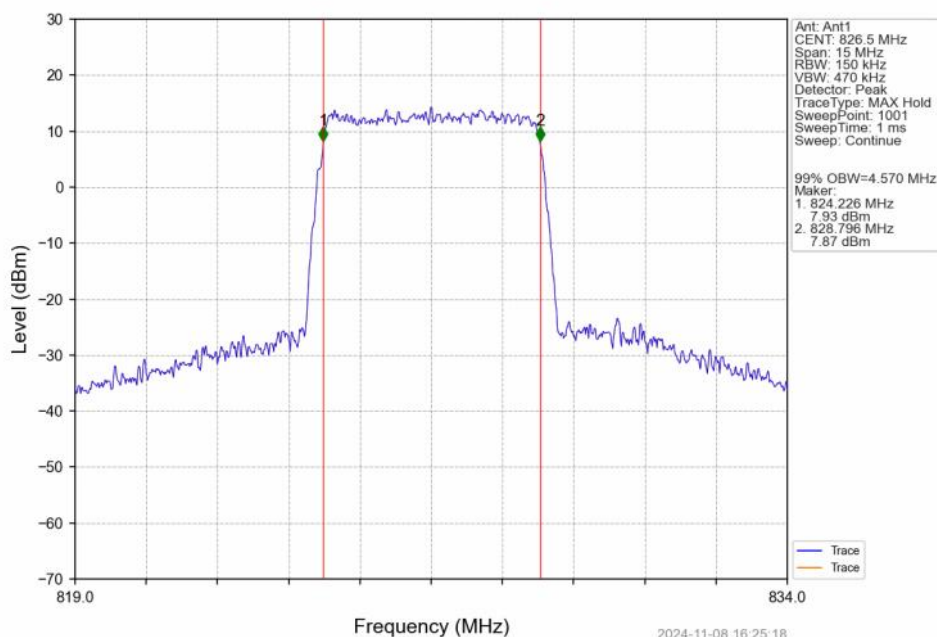
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



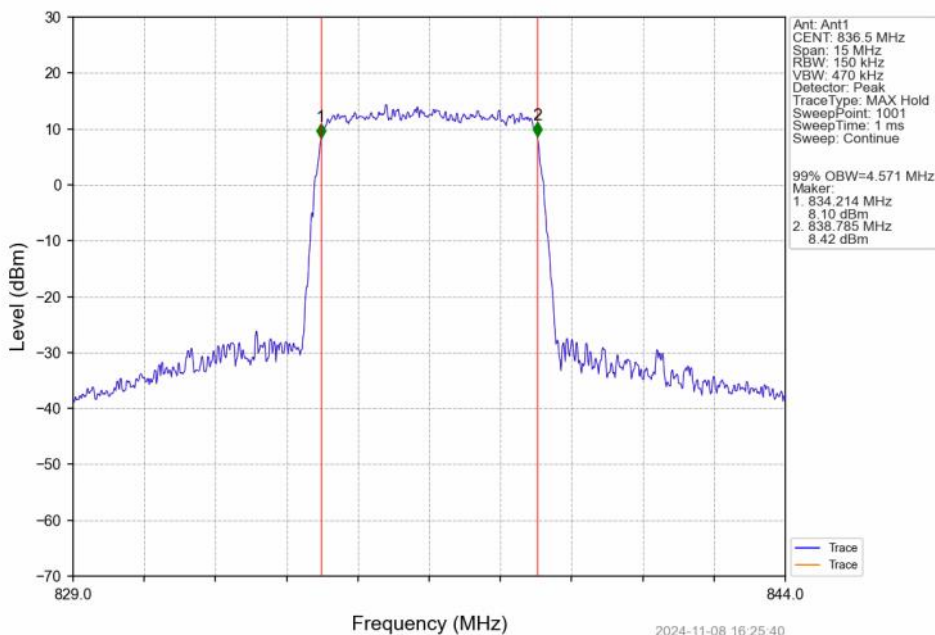
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



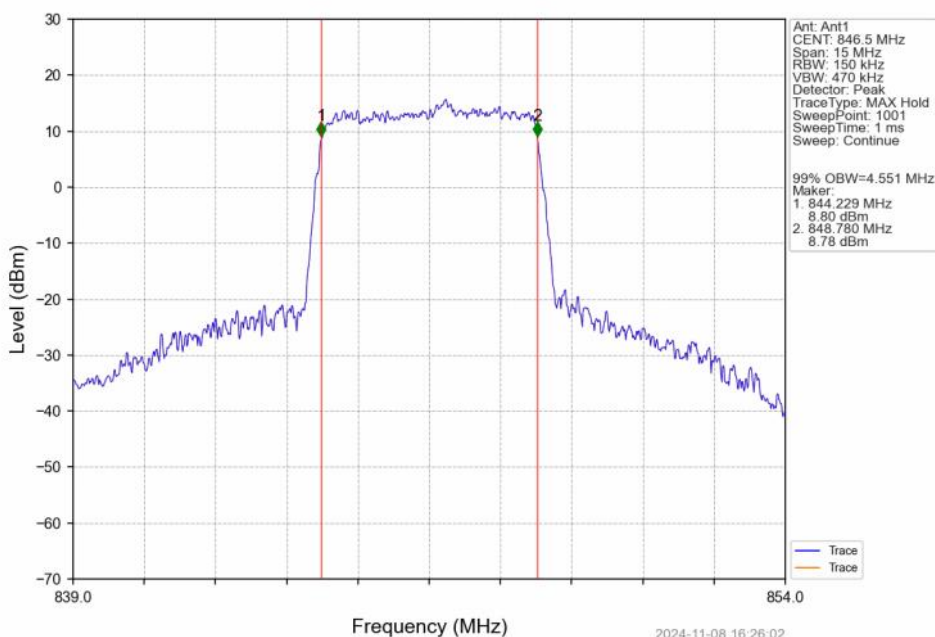
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



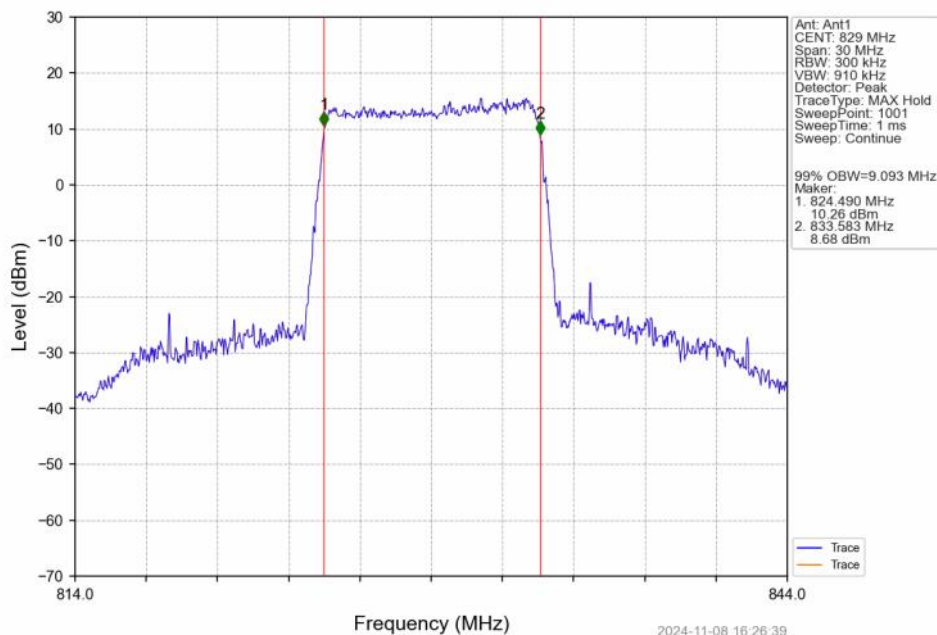
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTV



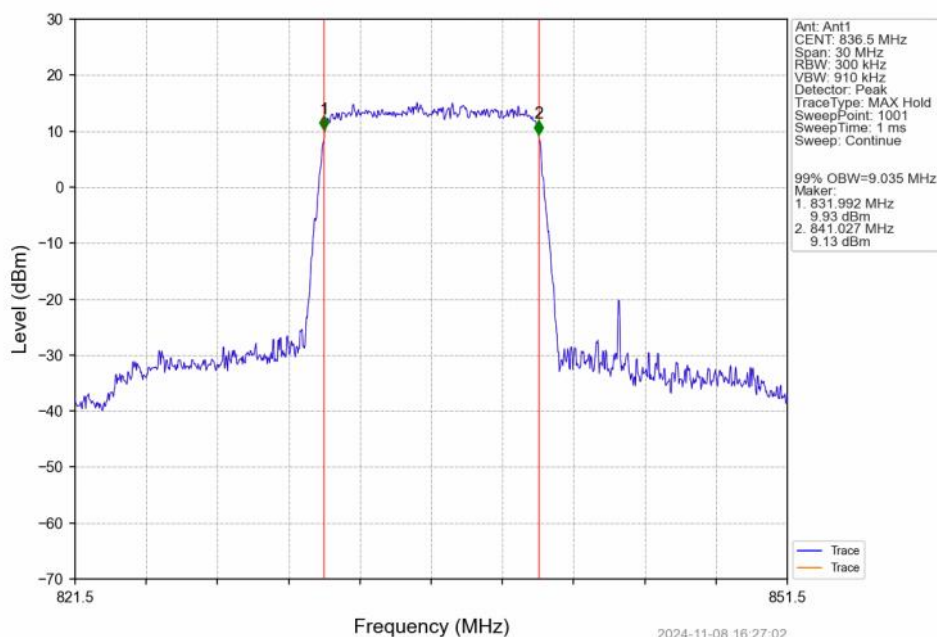
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV



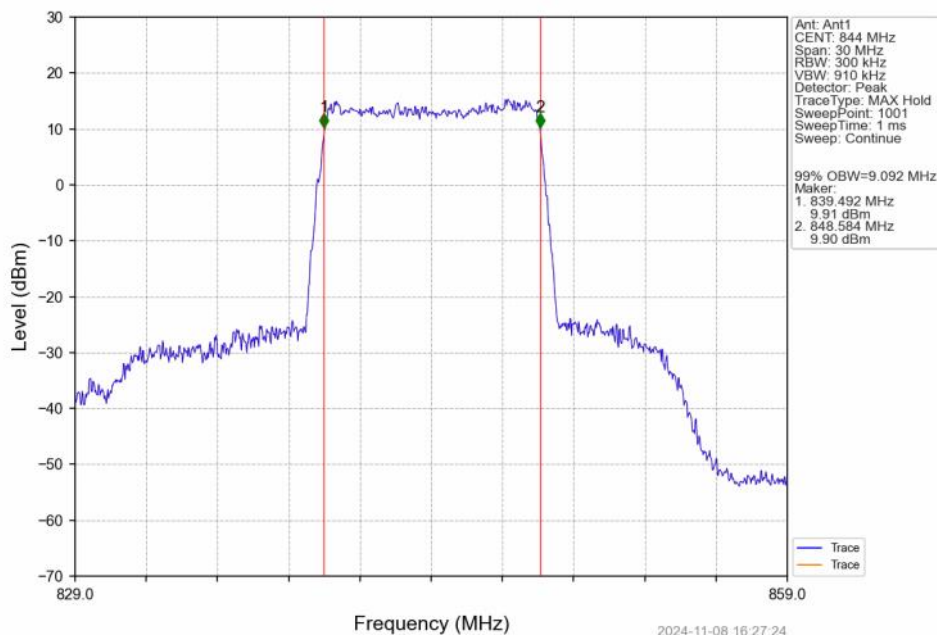
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTV



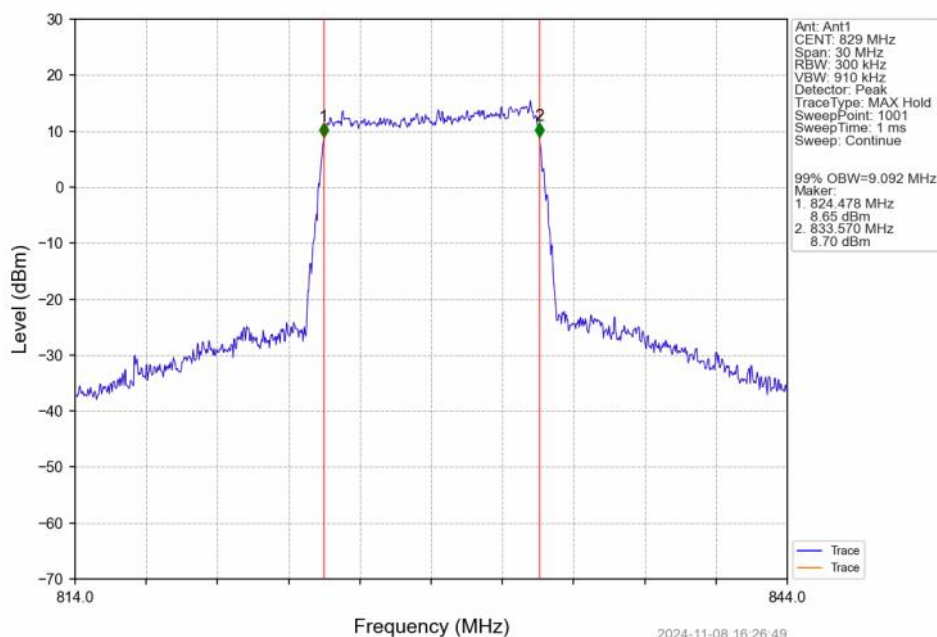
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTV



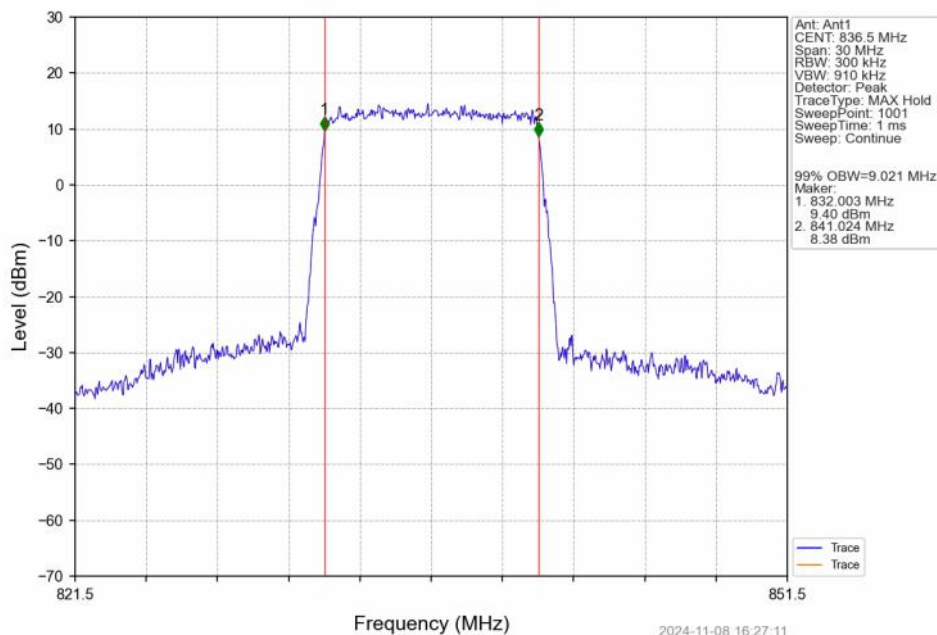
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



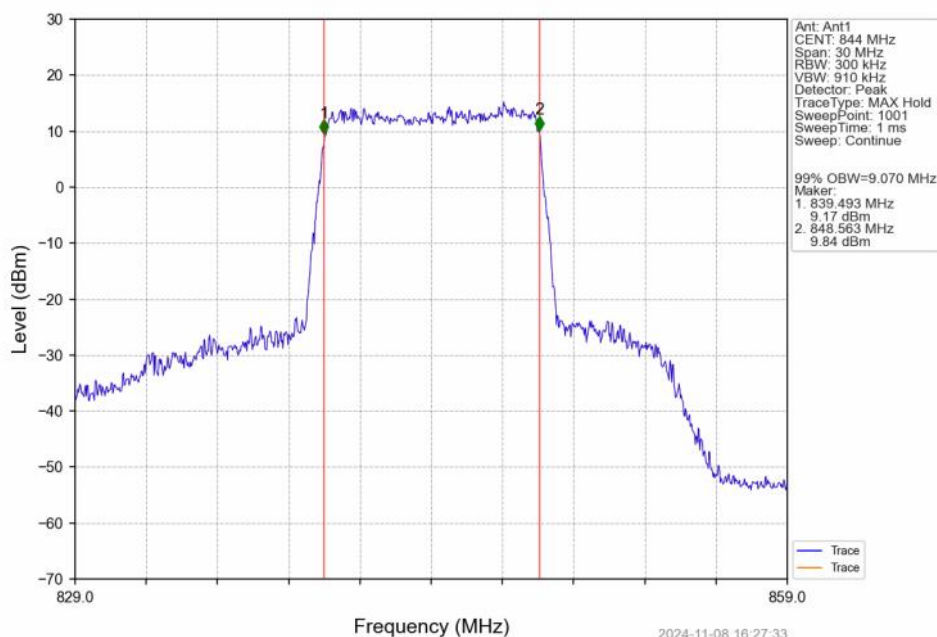
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



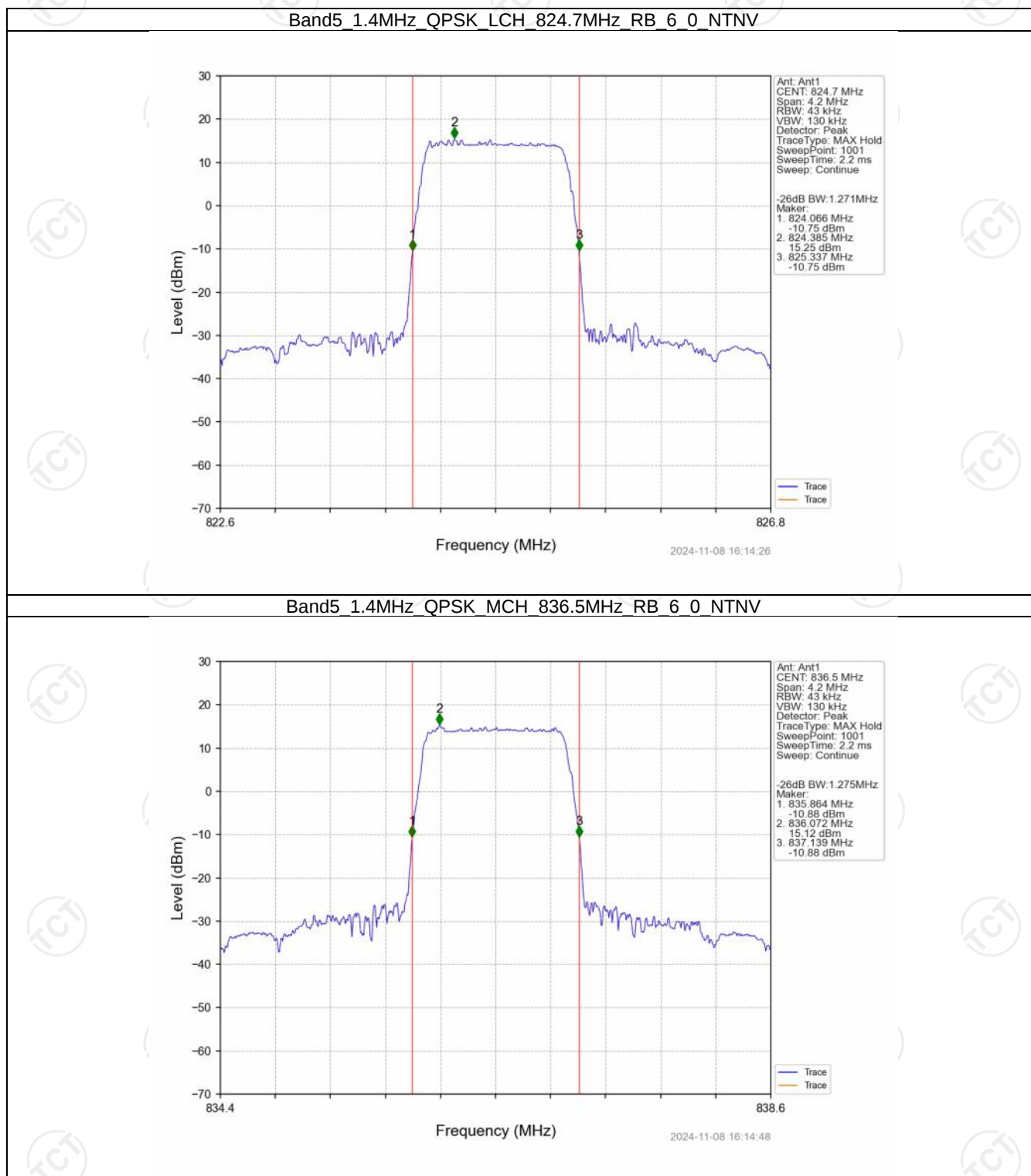
Band5 10MHz 16QAM MCH 836.5MHz RB 50 0 NTNV



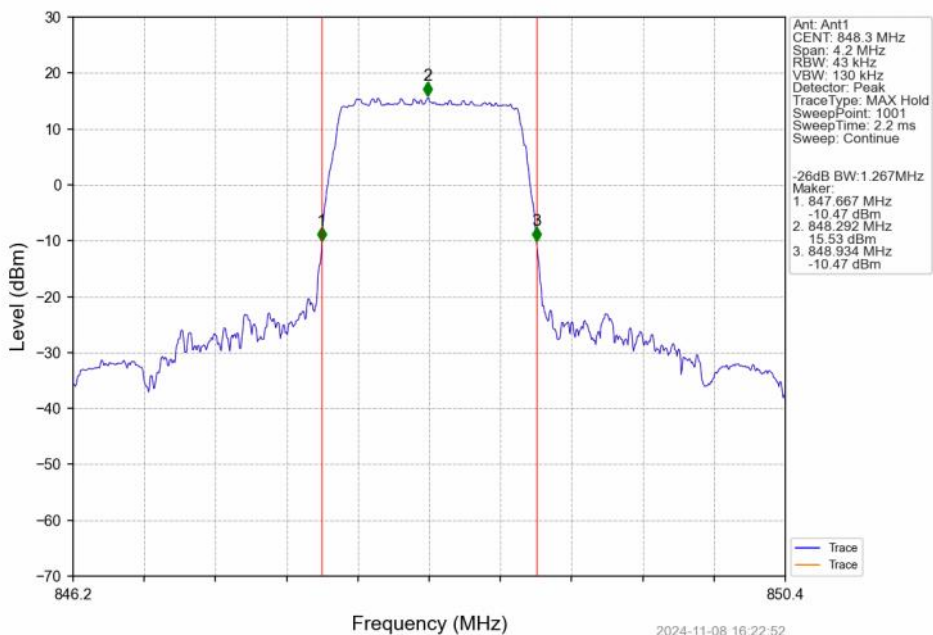
Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV



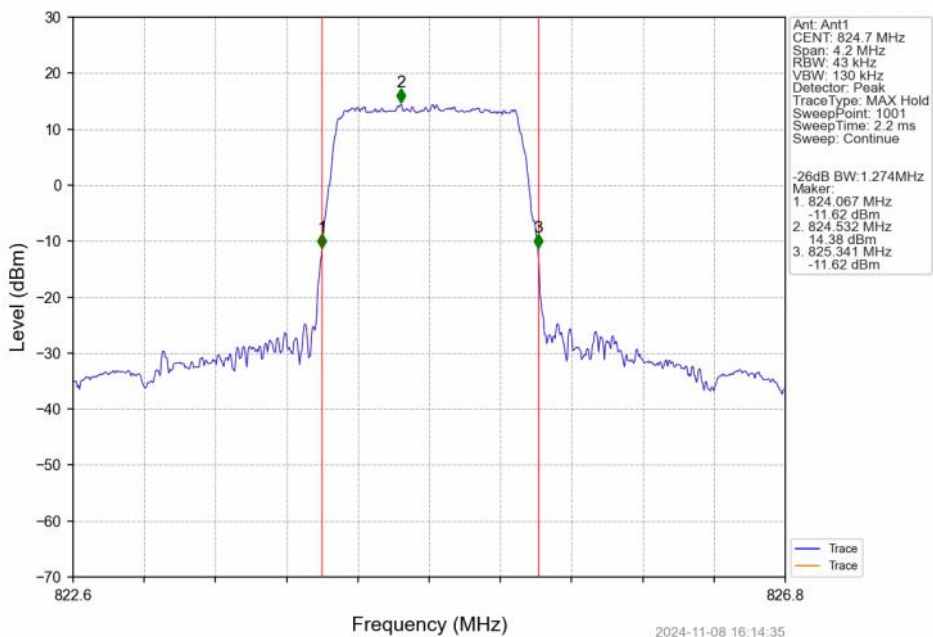
4.2.2 Band5_XDB



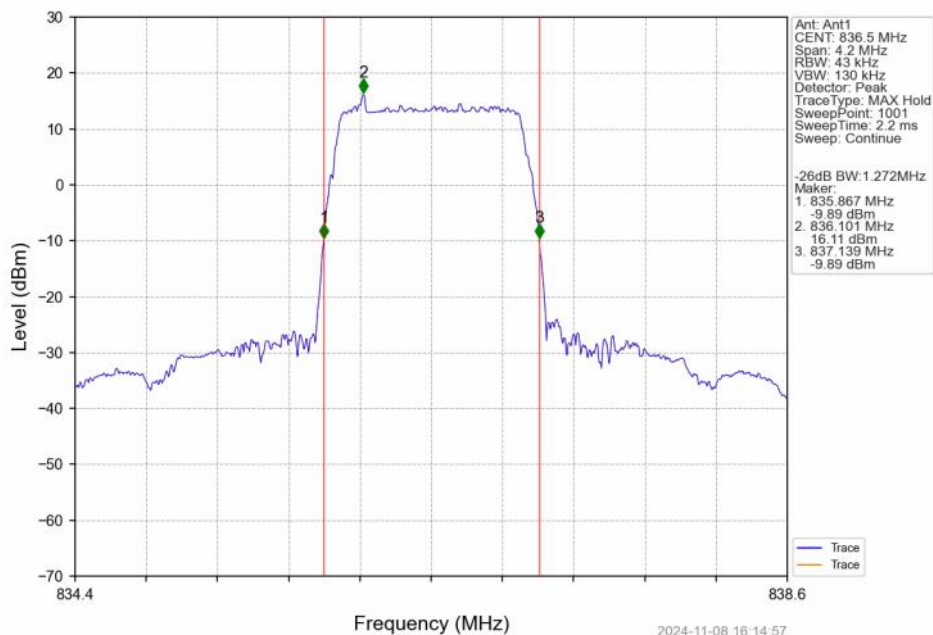
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



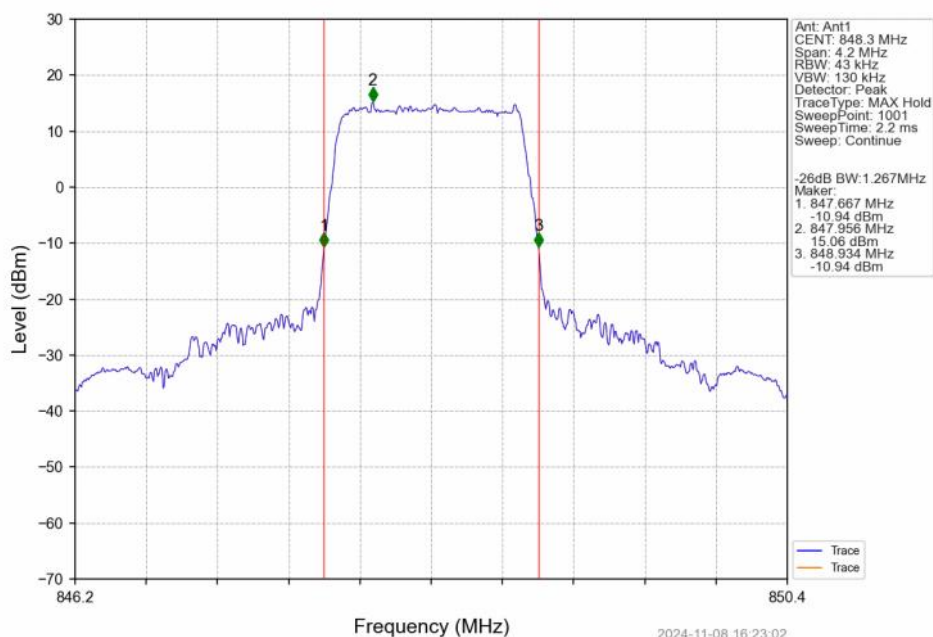
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



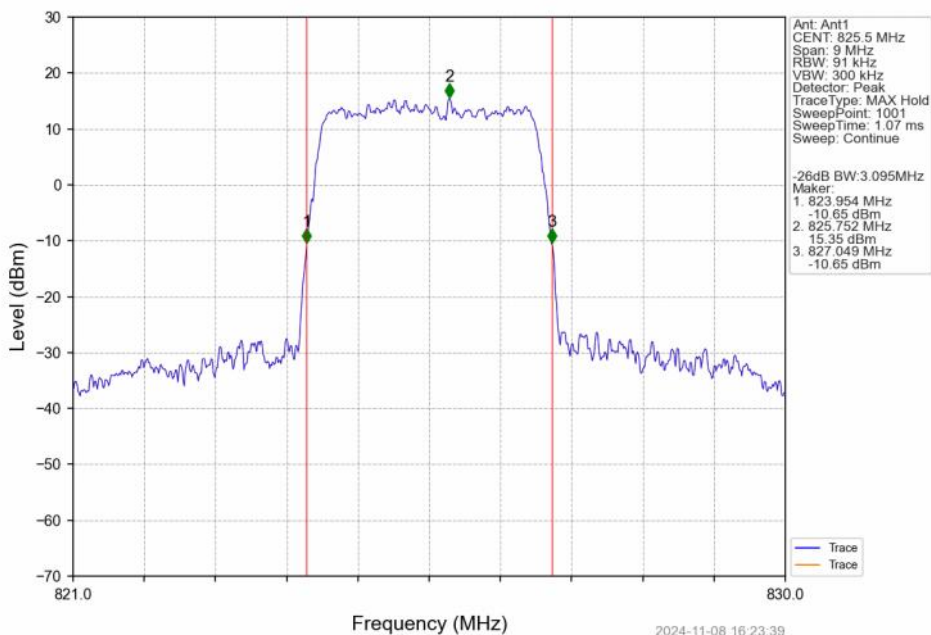
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



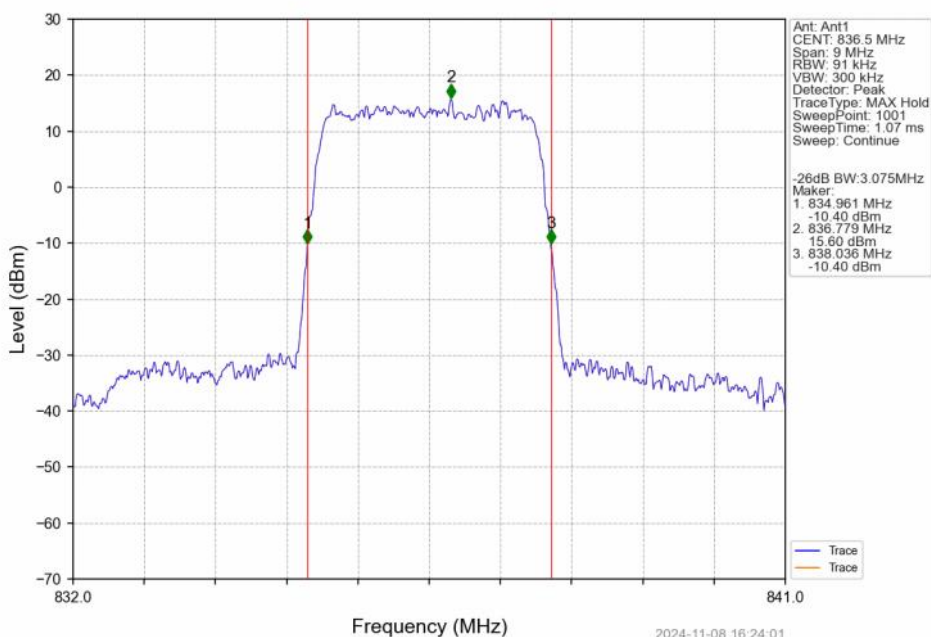
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



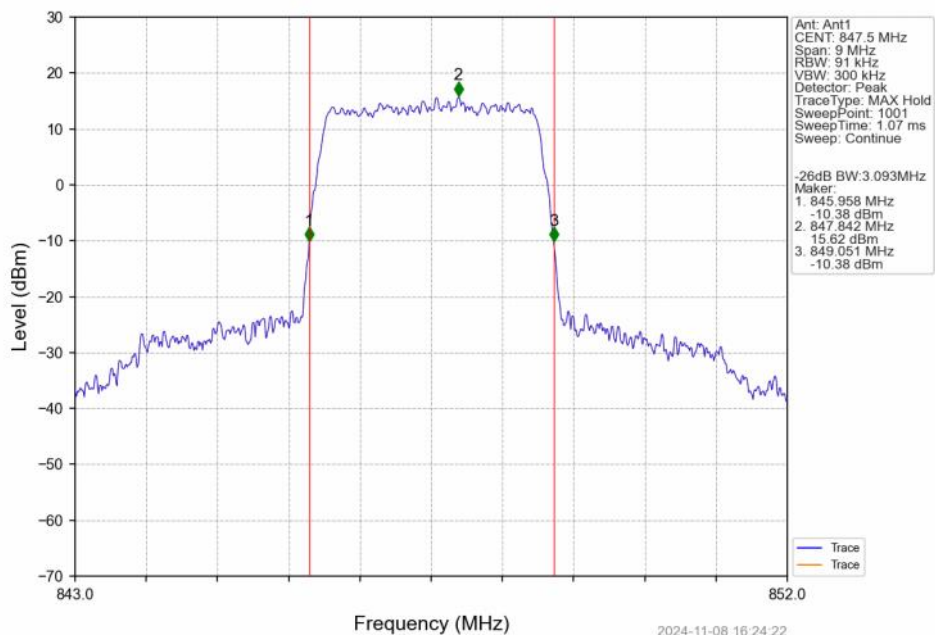
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



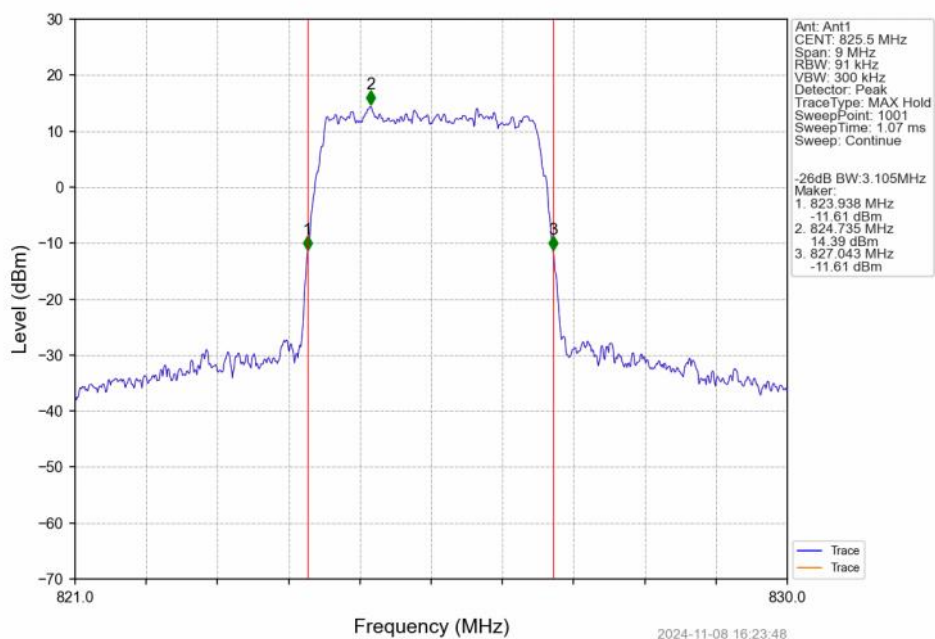
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



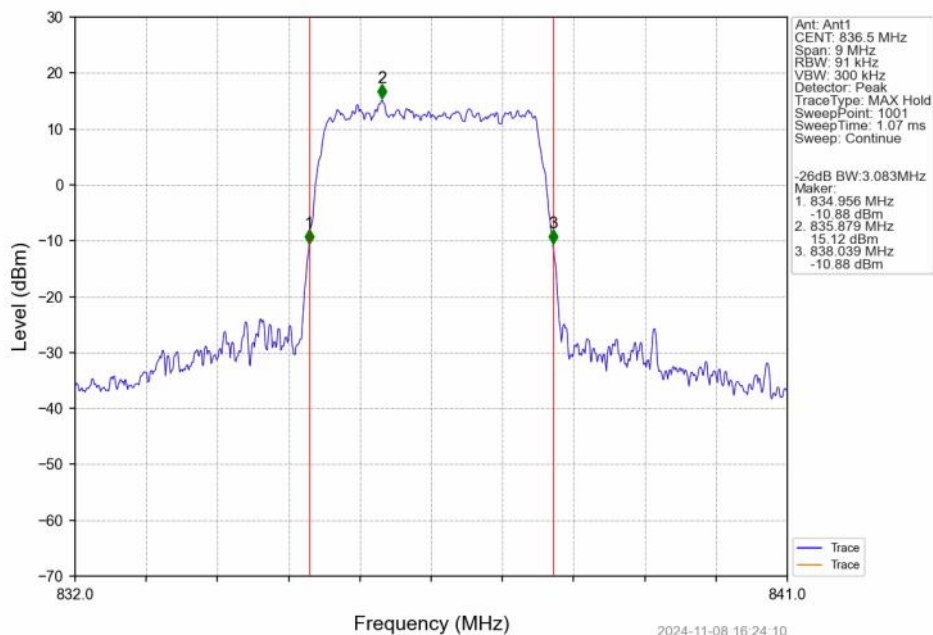
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



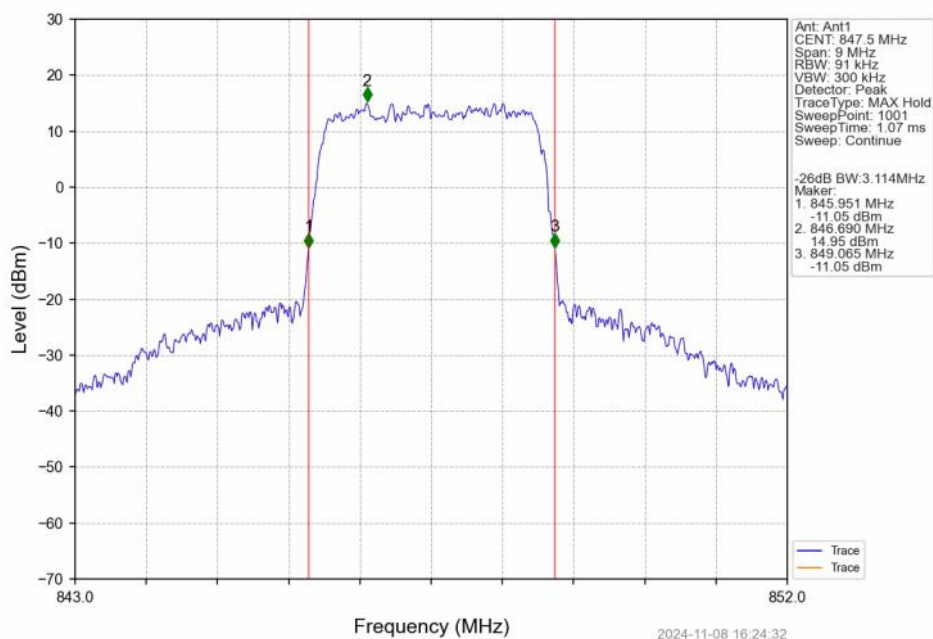
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



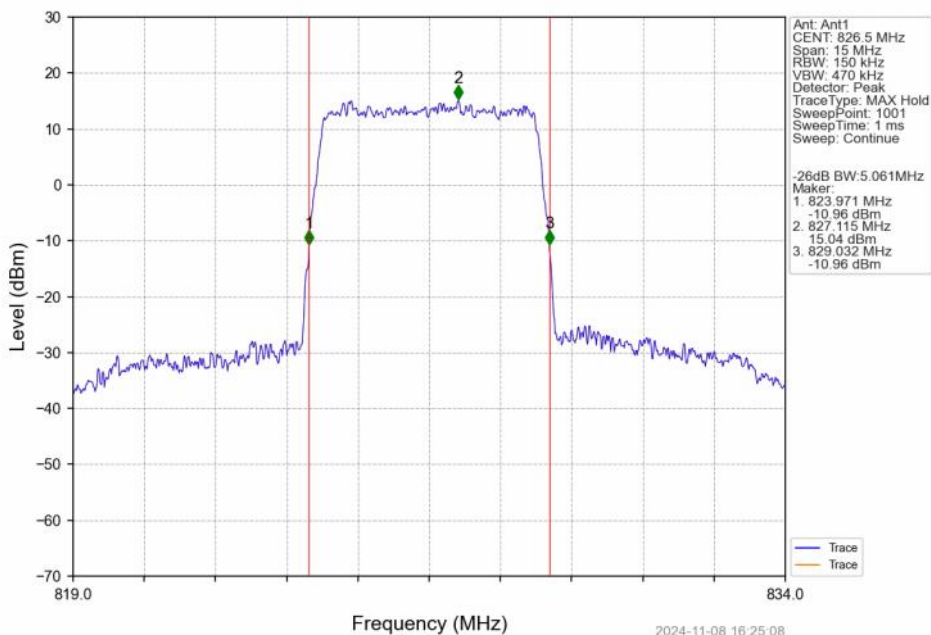
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV



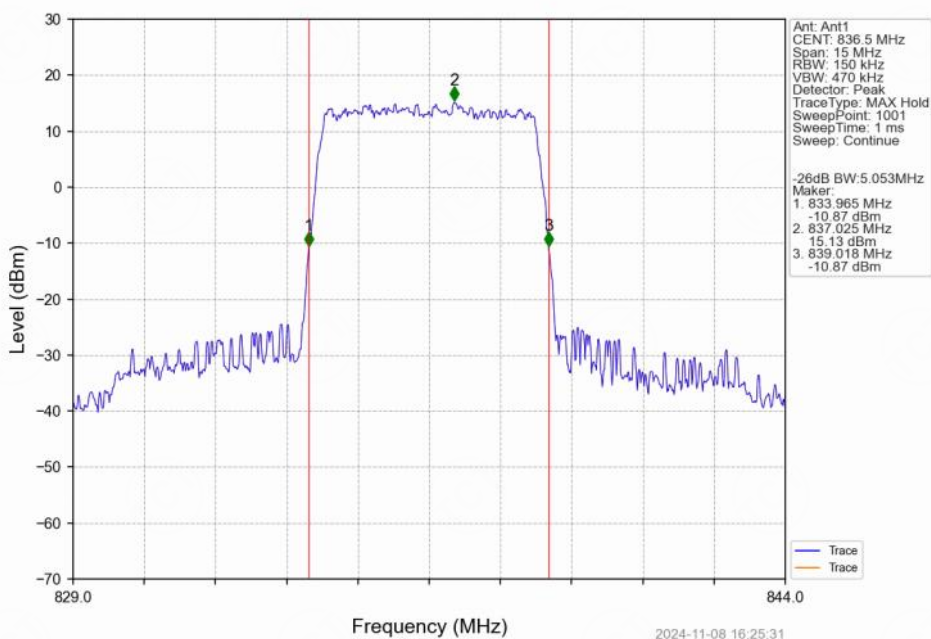
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV



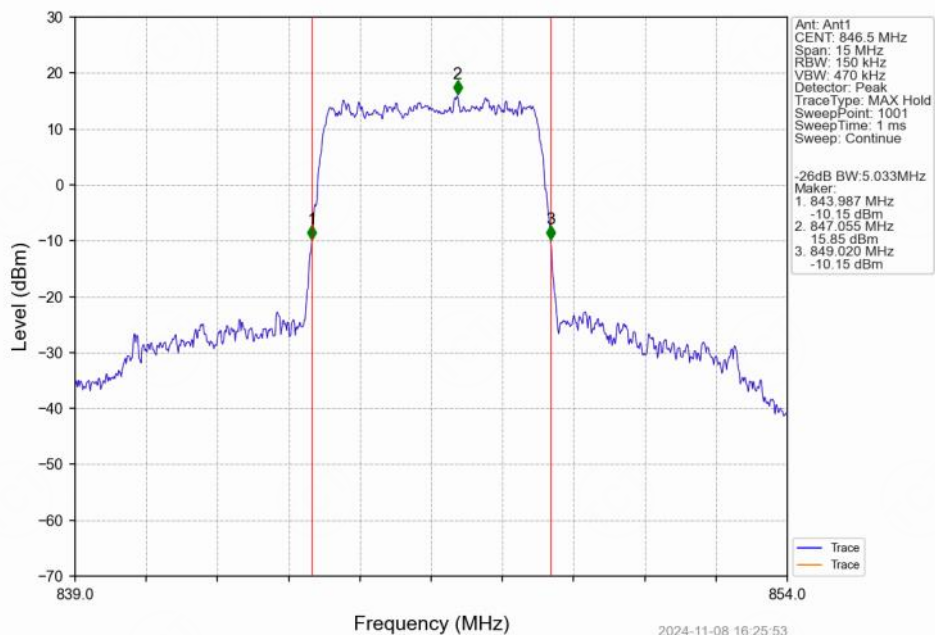
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



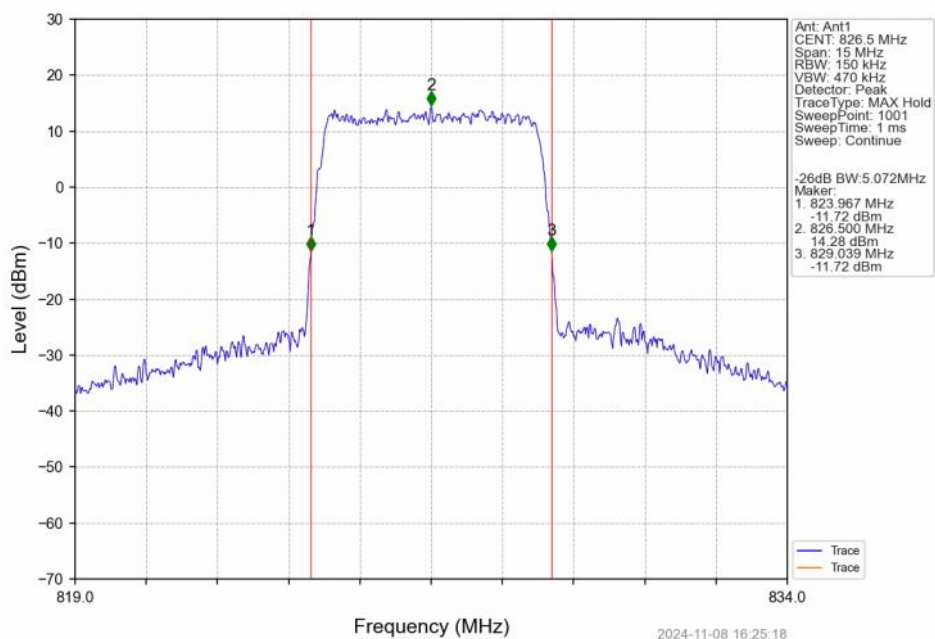
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



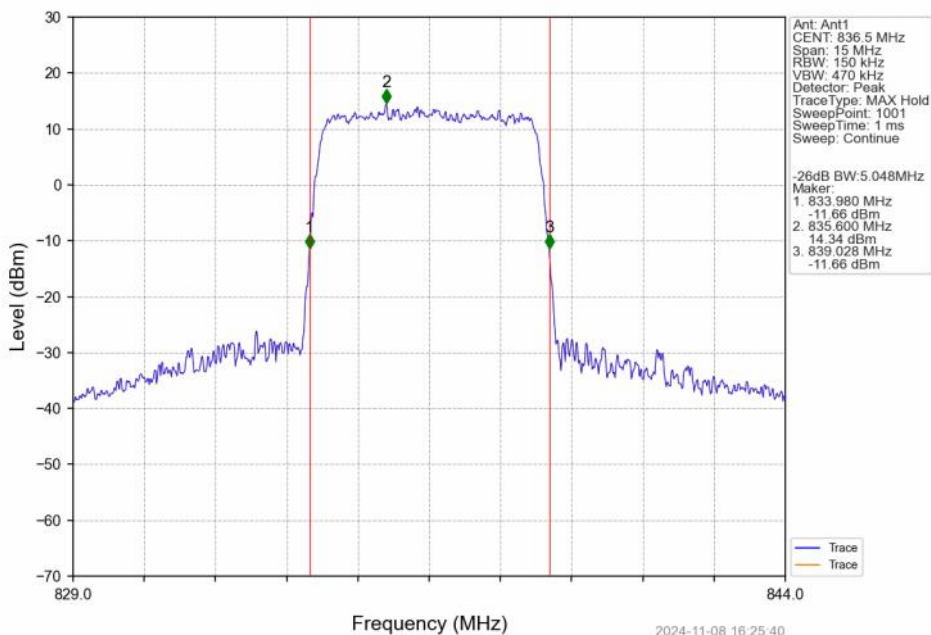
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



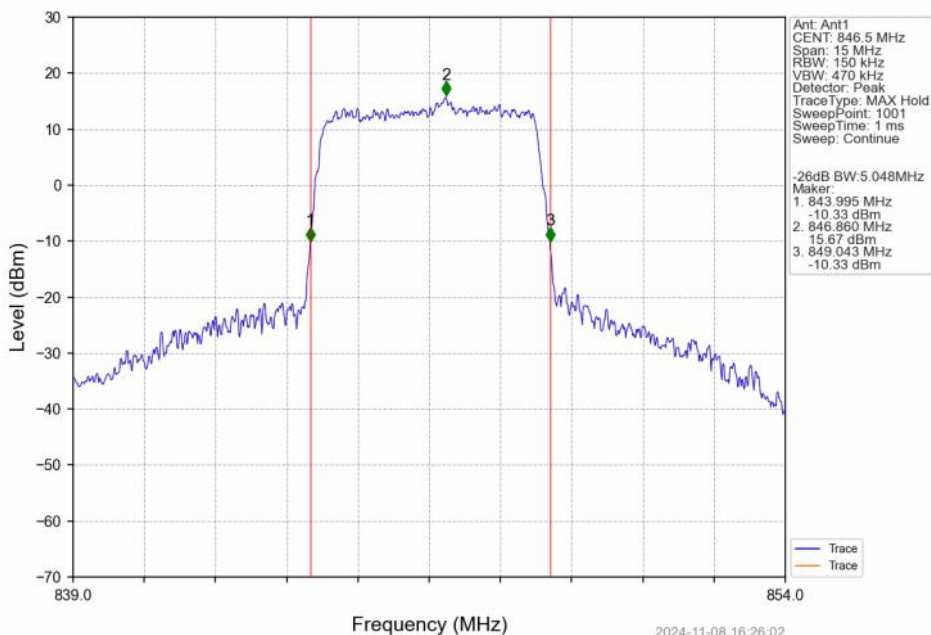
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



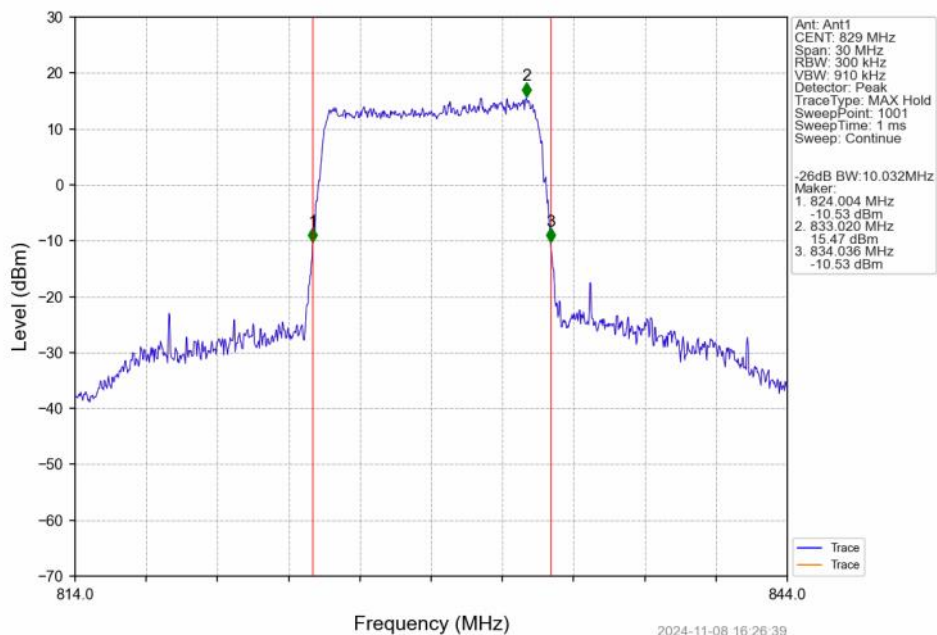
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTV



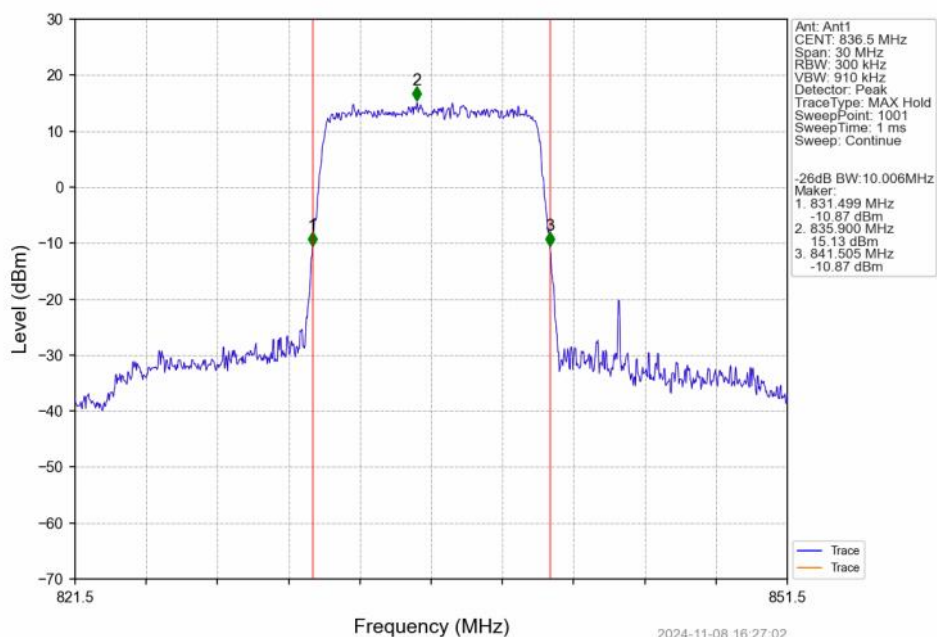
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTV



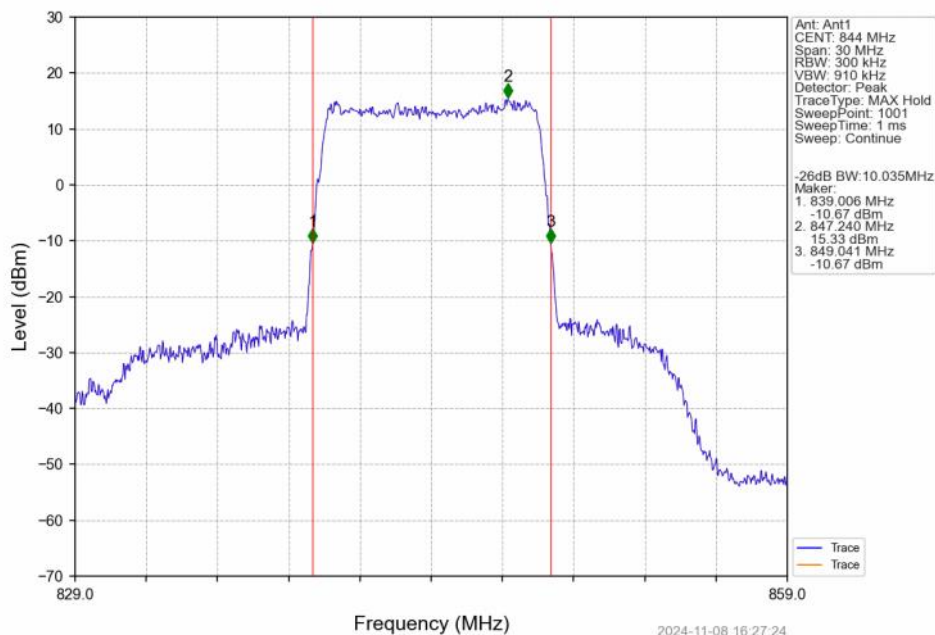
Band5 10MHz QPSK LCH 829MHz RB 50 0 NTNV



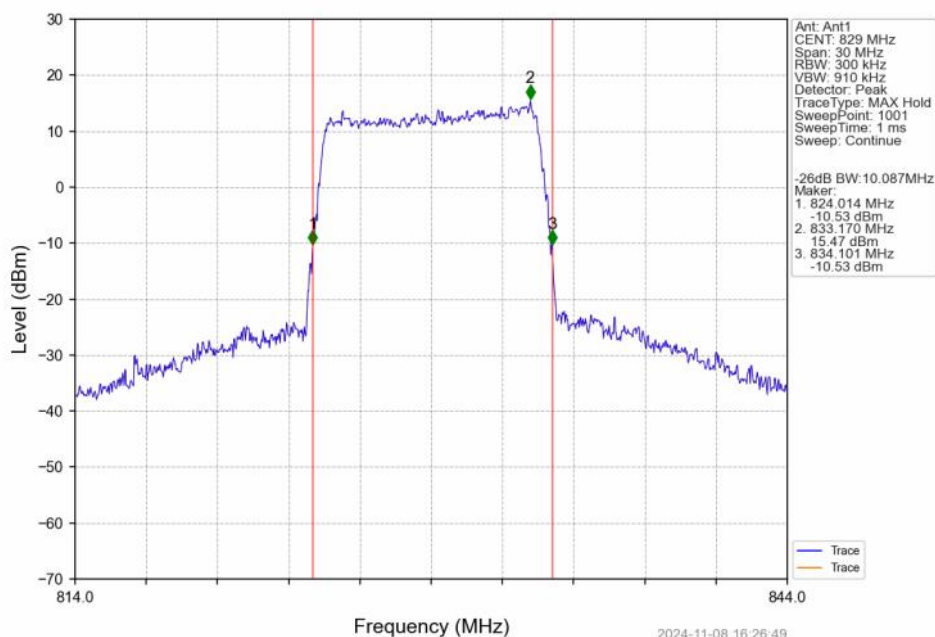
Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV



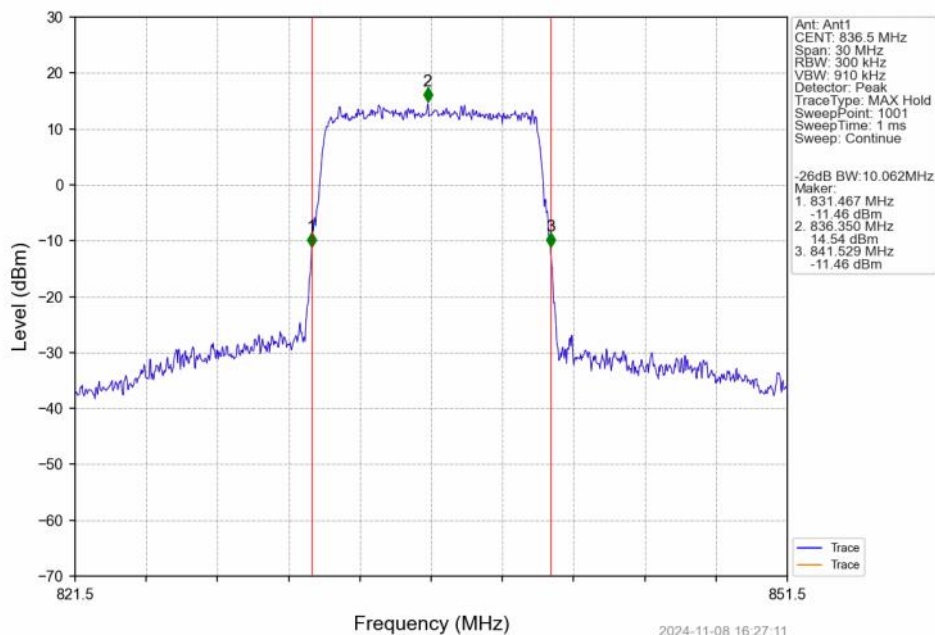
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



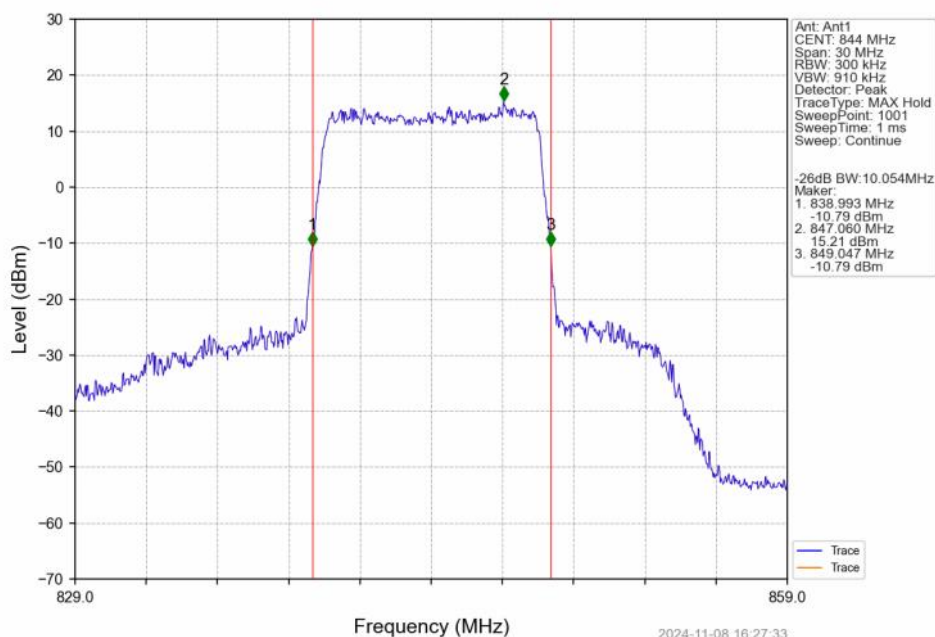
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



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



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



5. Peak-Average Ratio

5.1 Test Result

5.1.1 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	5.72	<=13	Pass
	836.5	6	0	5.61	<=13	Pass
	848.3	6	0	5.49	<=13	Pass
16QAM	824.7	6	0	6.41	<=13	Pass
	836.5	6	0	6.46	<=13	Pass
	848.3	6	0	6.19	<=13	Pass

5.1.2 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	5.69	<=13	Pass
	836.5	15	0	5.62	<=13	Pass
	847.5	15	0	5.43	<=13	Pass
16QAM	825.5	15	0	6.44	<=13	Pass
	836.5	15	0	6.45	<=13	Pass
	847.5	15	0	6.15	<=13	Pass

5.1.3 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	5.66	<=13	Pass
	836.5	25	0	5.68	<=13	Pass
	846.5	25	0	5.53	<=13	Pass
16QAM	826.5	25	0	6.40	<=13	Pass
	836.5	25	0	6.36	<=13	Pass
	846.5	25	0	6.13	<=13	Pass

5.1.4 B5_10MHz

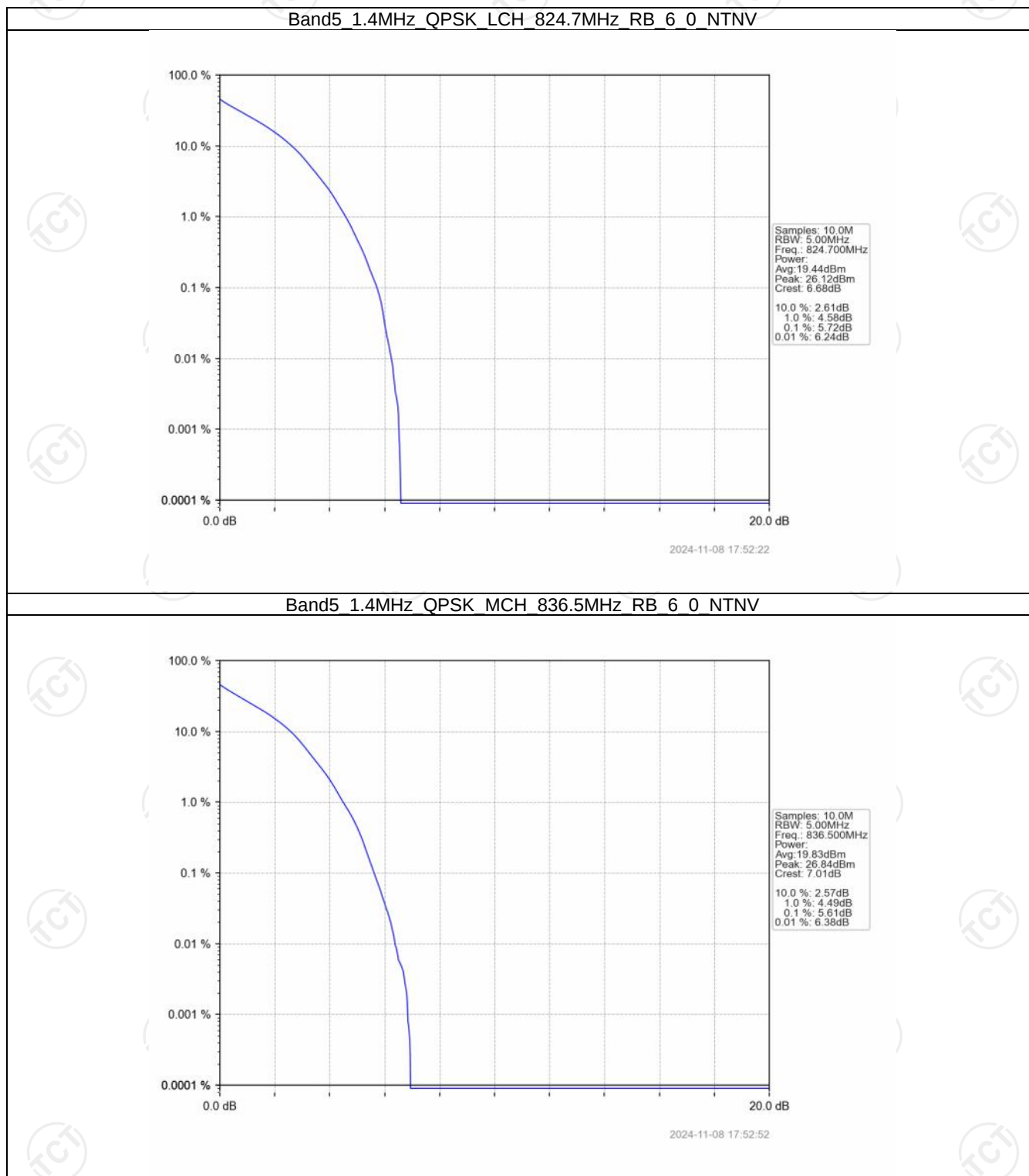
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.67	<=13	Pass
	836.5	50	0	5.61	<=13	Pass
	844	50	0	5.76	<=13	Pass
16QAM	829	50	0	6.38	<=13	Pass
	836.5	50	0	6.38	<=13	Pass

	844	50	0	6.40	<=13	Pass
--	-----	----	---	------	------	------

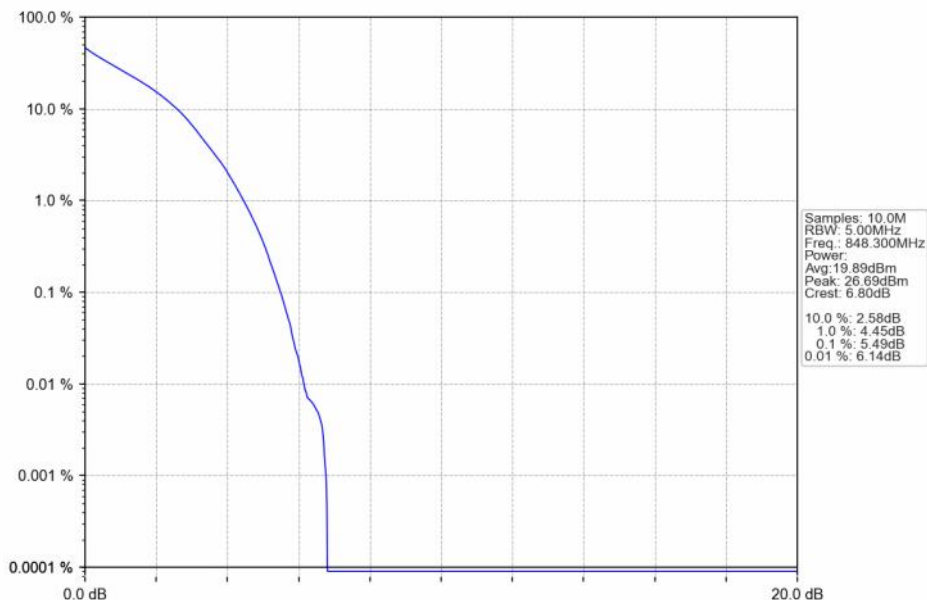


5.2 Test Graph

5.2.1 B5_1.4MHz

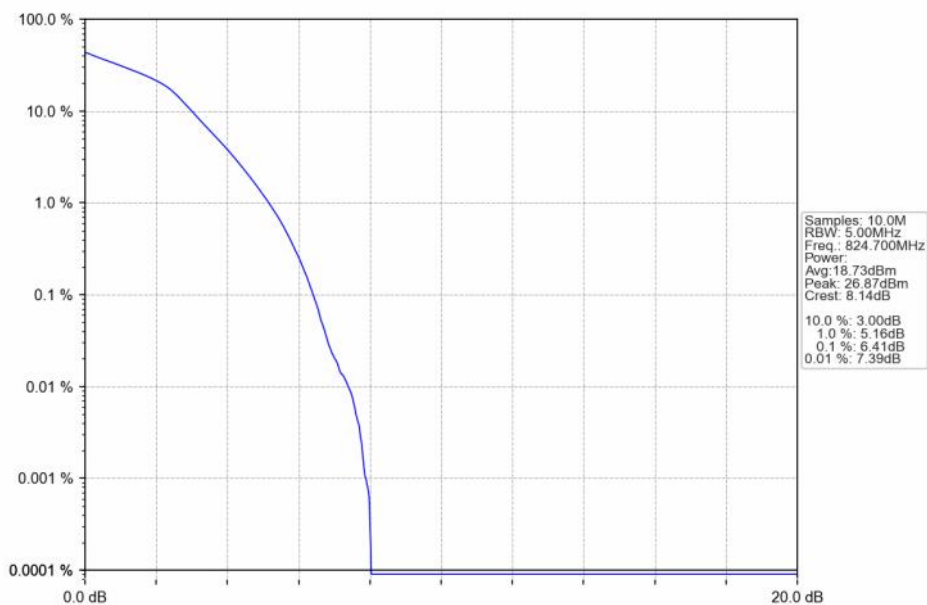


Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



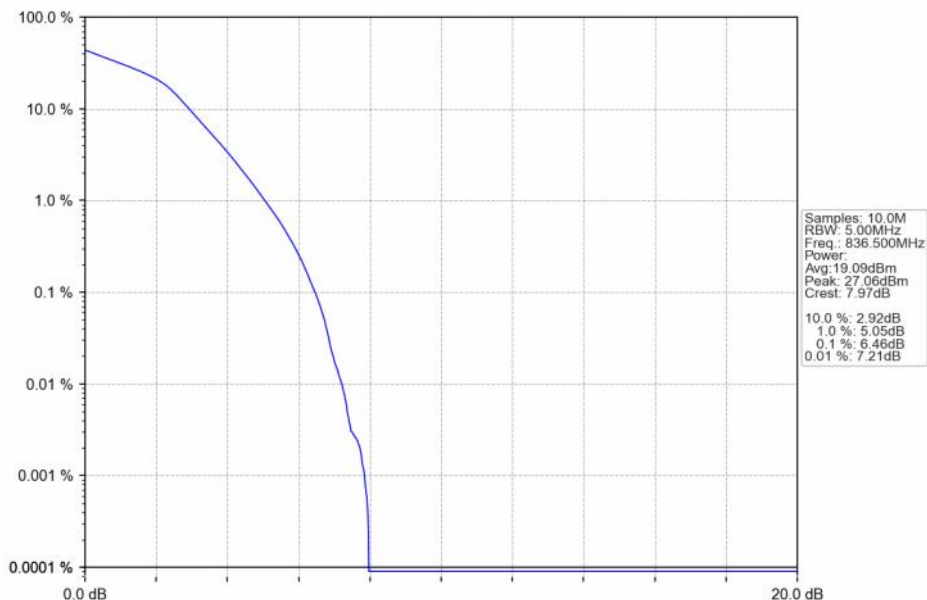
2024-11-08 17:53:22

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



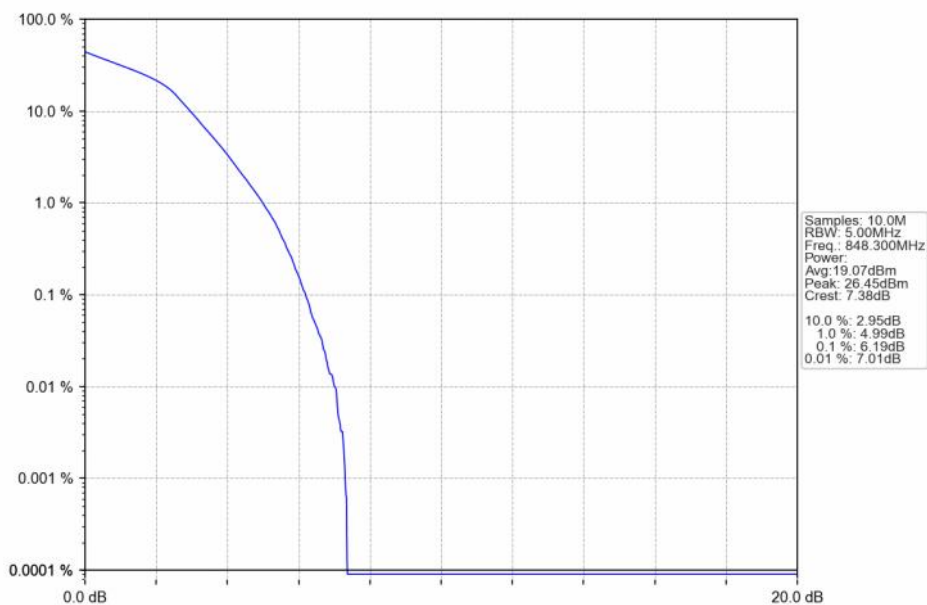
2024-11-08 17:52:37

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



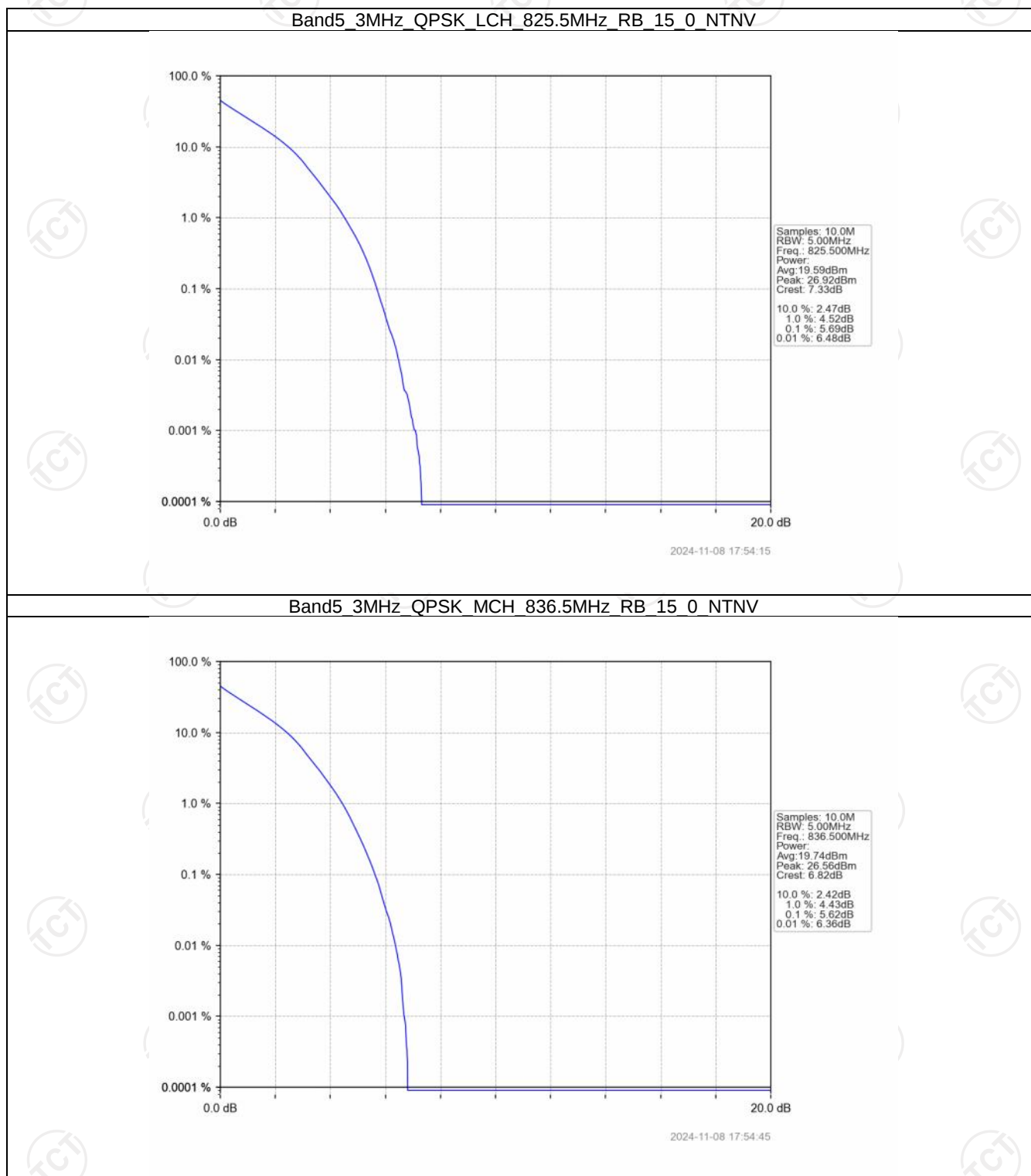
2024-11-08 17:53:06

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

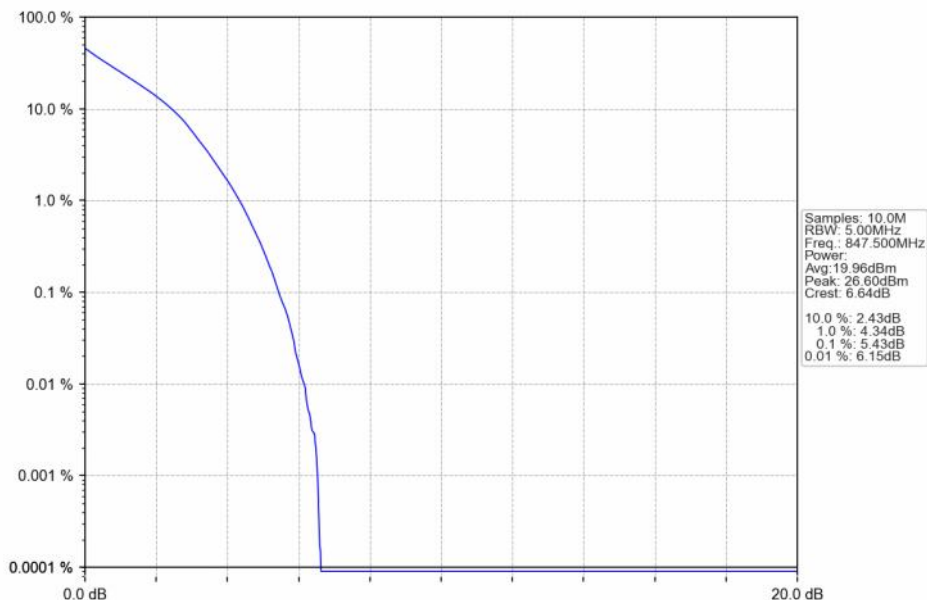


2024-11-08 17:53:35

5.2.2 B5_3MHz

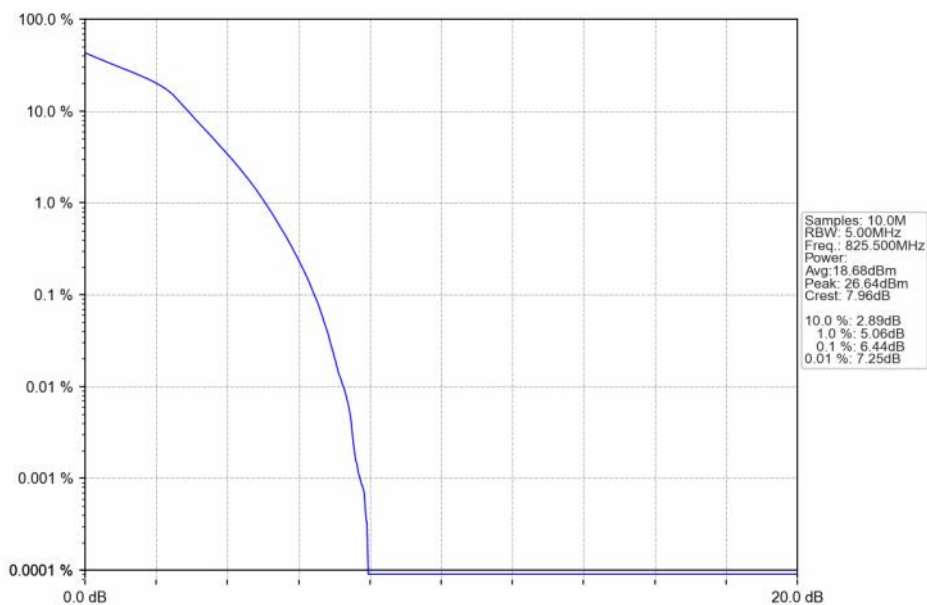


Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



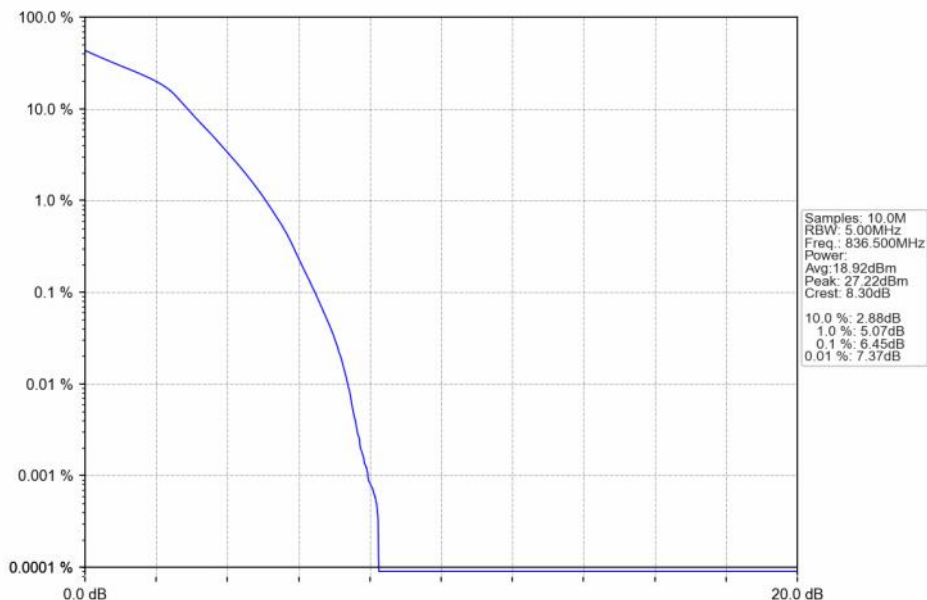
2024-11-08 17:55:15

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



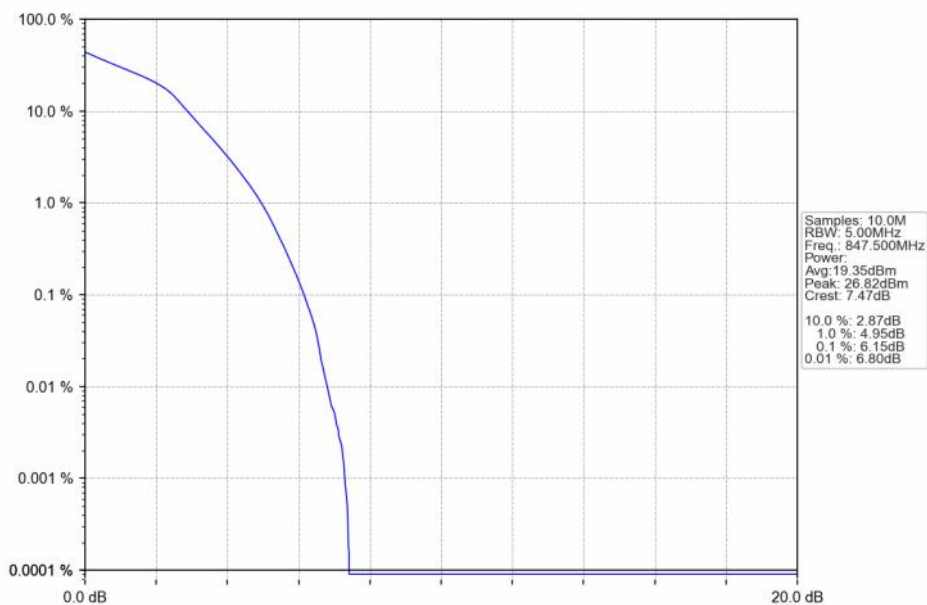
2024-11-08 17:54:30

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



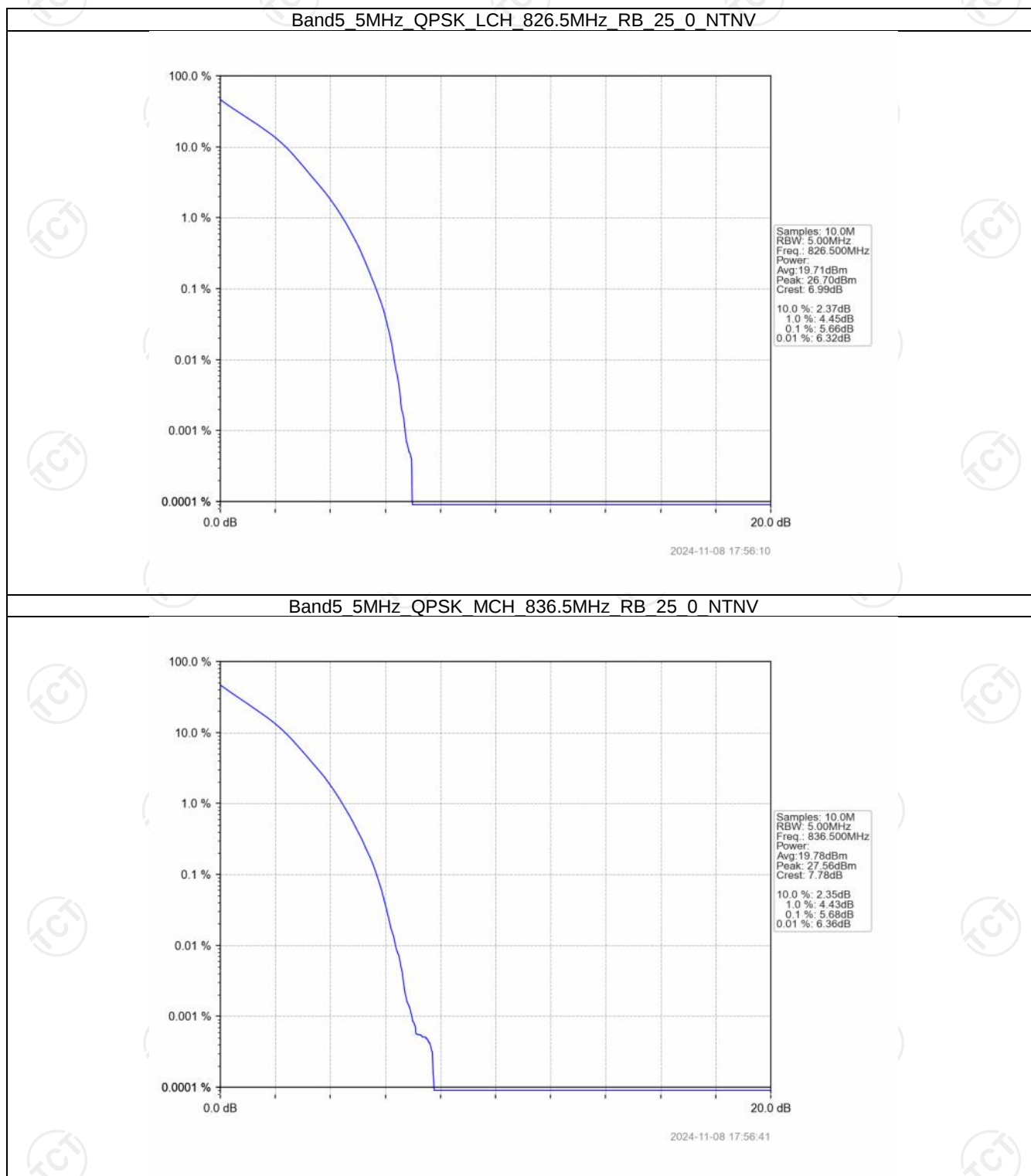
2024-11-08 17:55:00

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

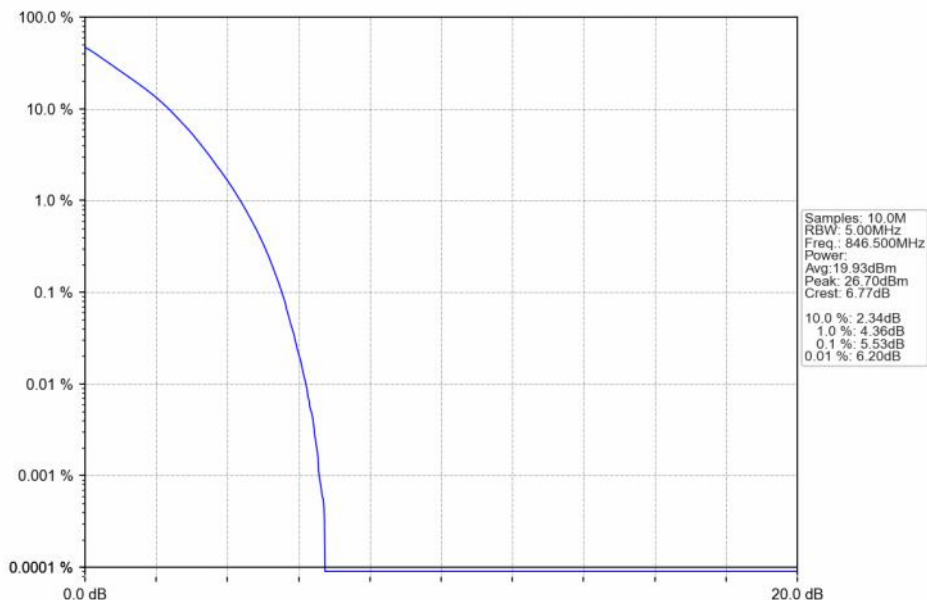


2024-11-08 17:55:28

5.2.3 B5_5MHz

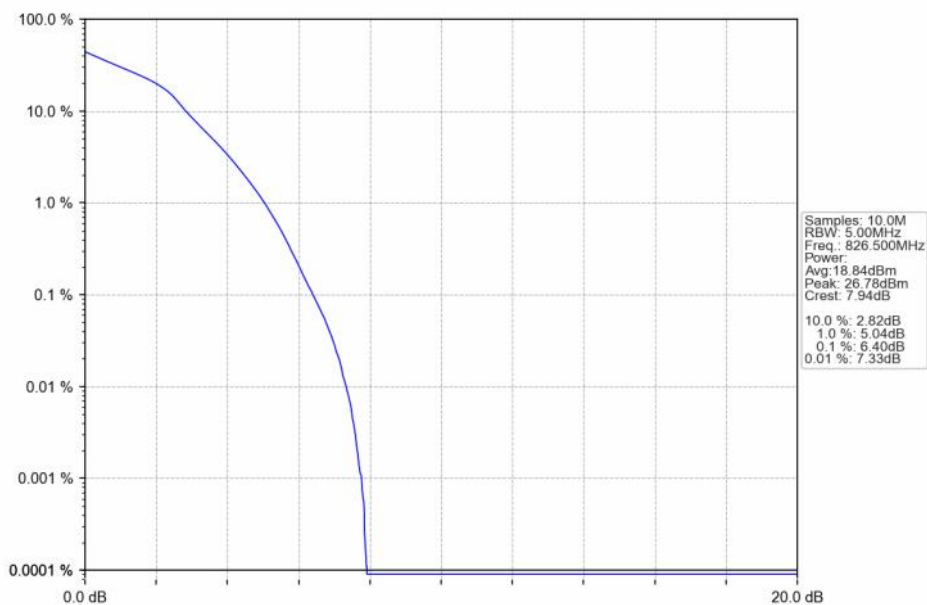


Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



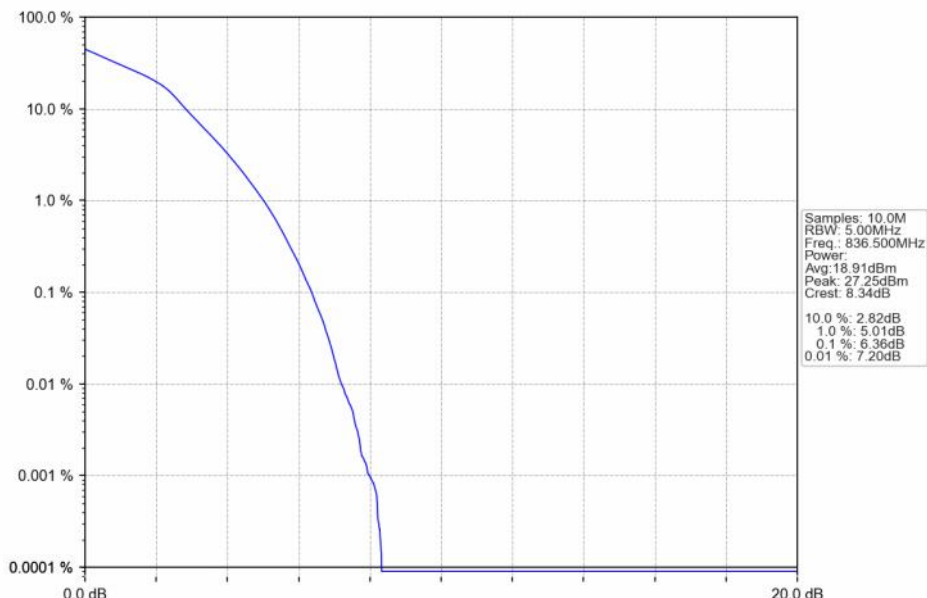
2024-11-08 17:57:13

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



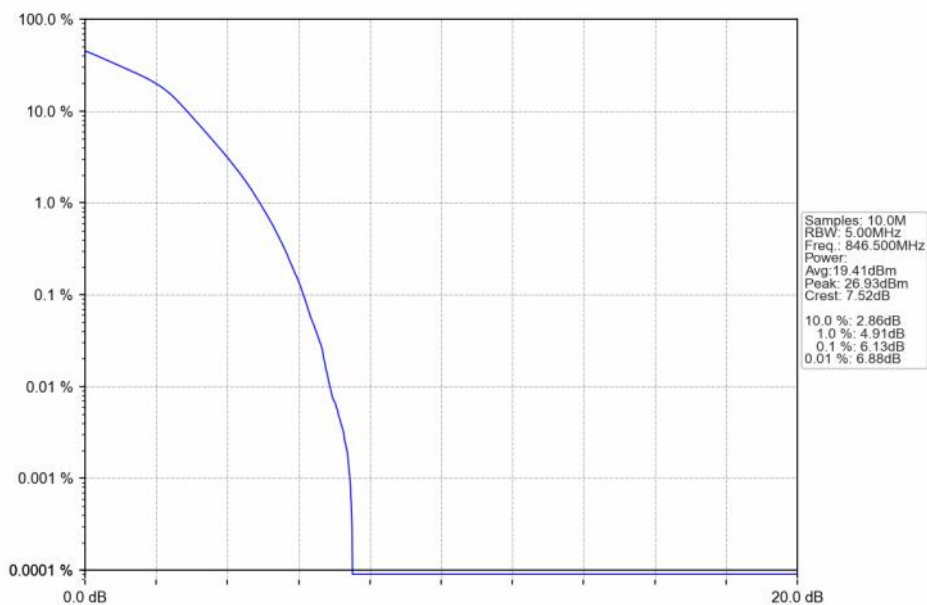
2024-11-08 17:56:24

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



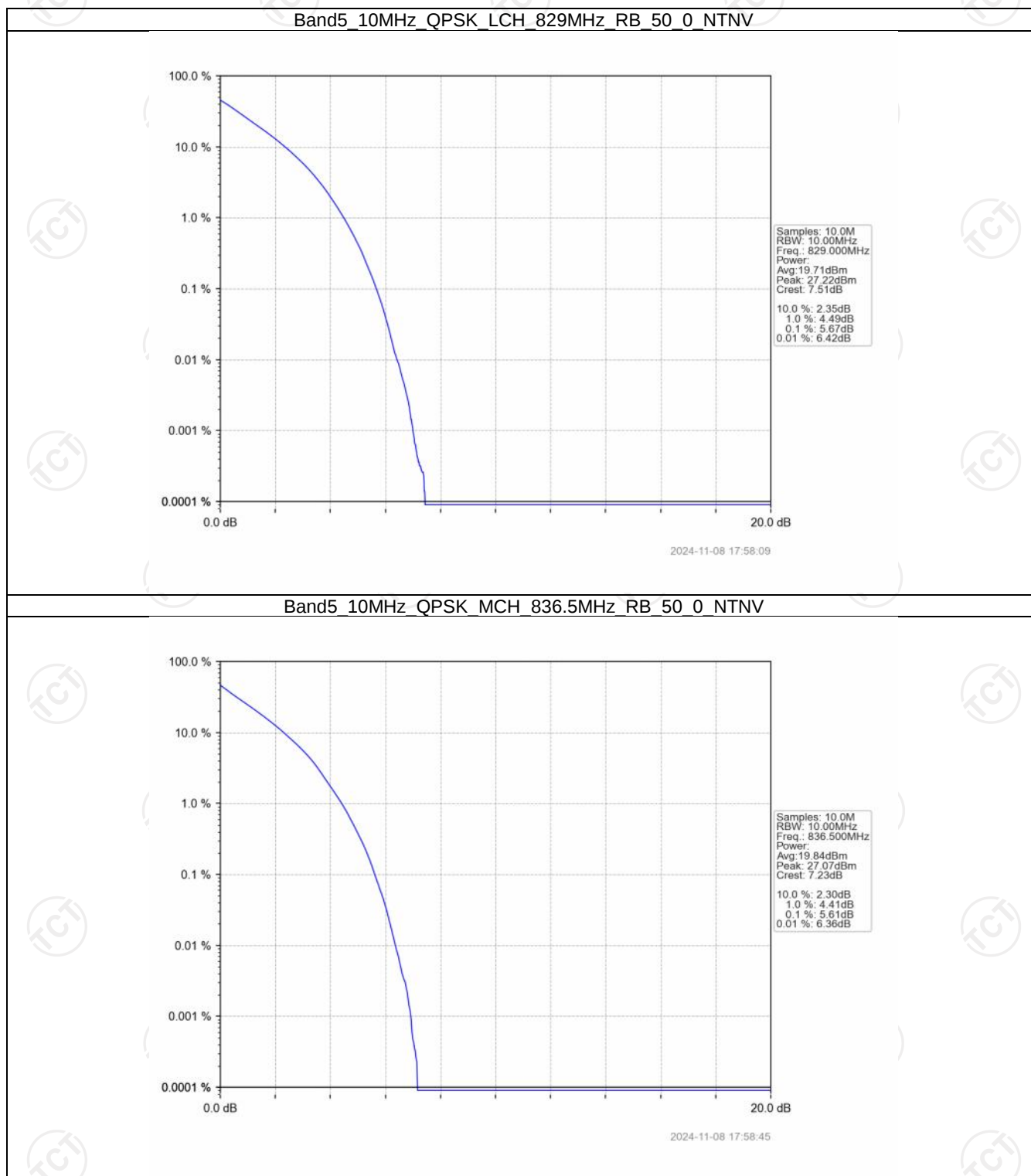
2024-11-08 17:56:56

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

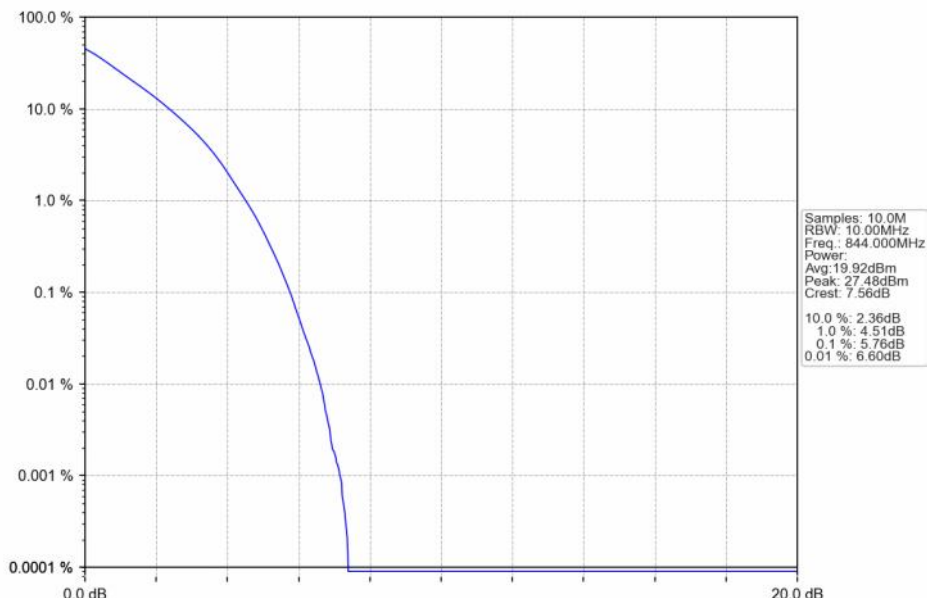


2024-11-08 17:57:26

5.2.4 B5_10MHz

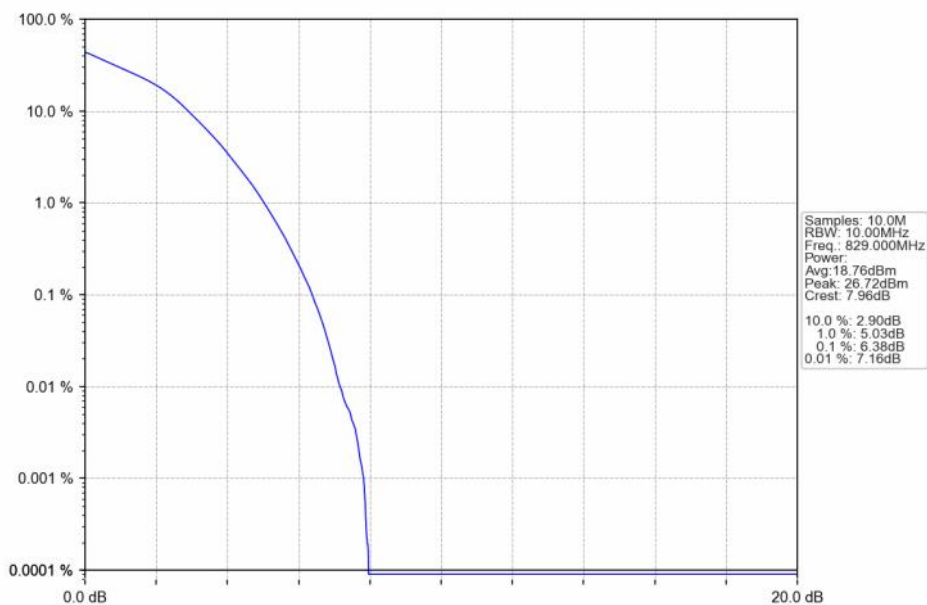


Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



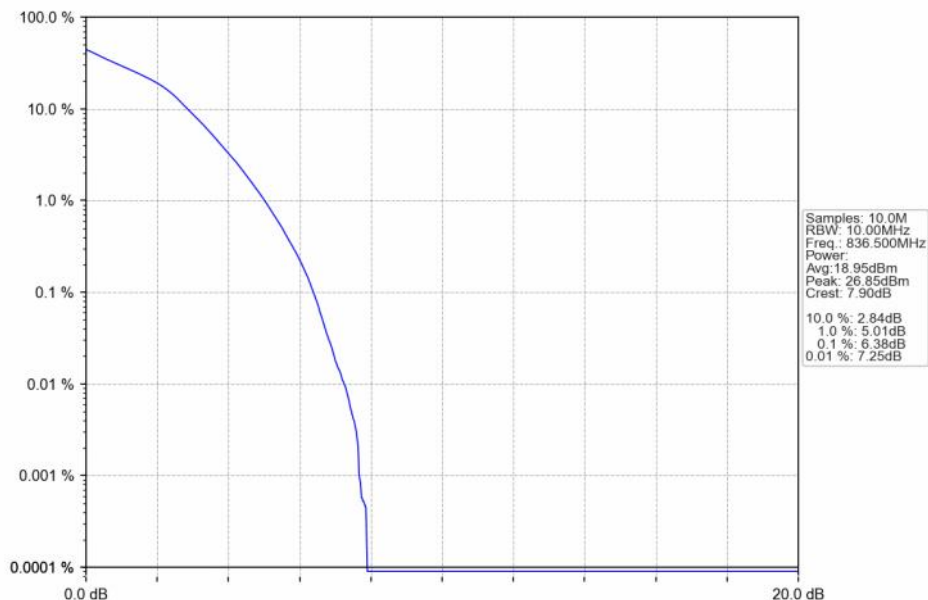
2024-11-08 17:59:23

Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



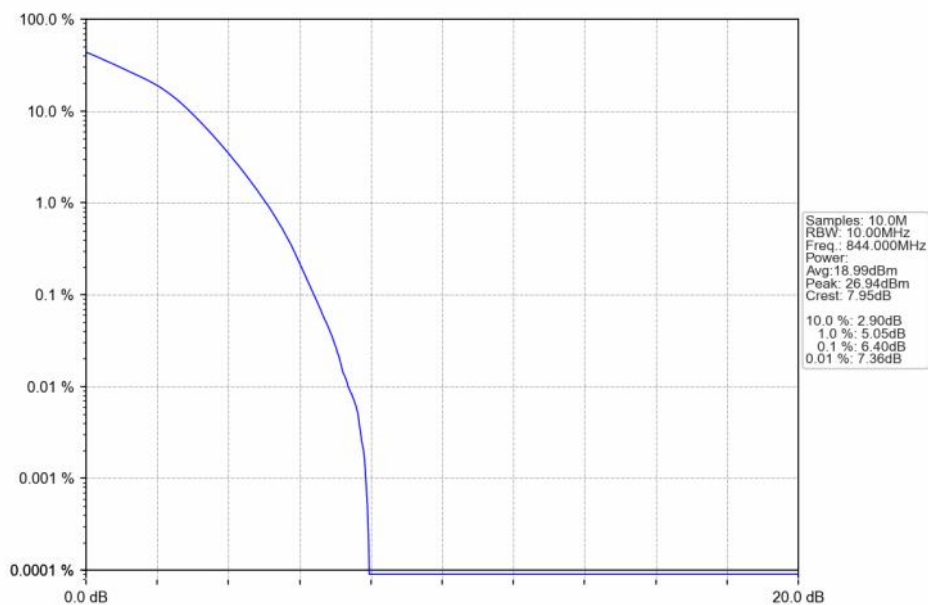
2024-11-08 17:58:25

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



2024-11-08 17:59:03

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



2024-11-08 17:59:39

6. Spurious Emission

6.1 Test Result

6.1.1 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
	848.3	1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	848.3	1	5	Refer To Test Graph		Pass
		6	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
	847.5	1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	847.5	1	14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.1.3 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
	846.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	826.5	1	0	Refer To Test Graph		Pass

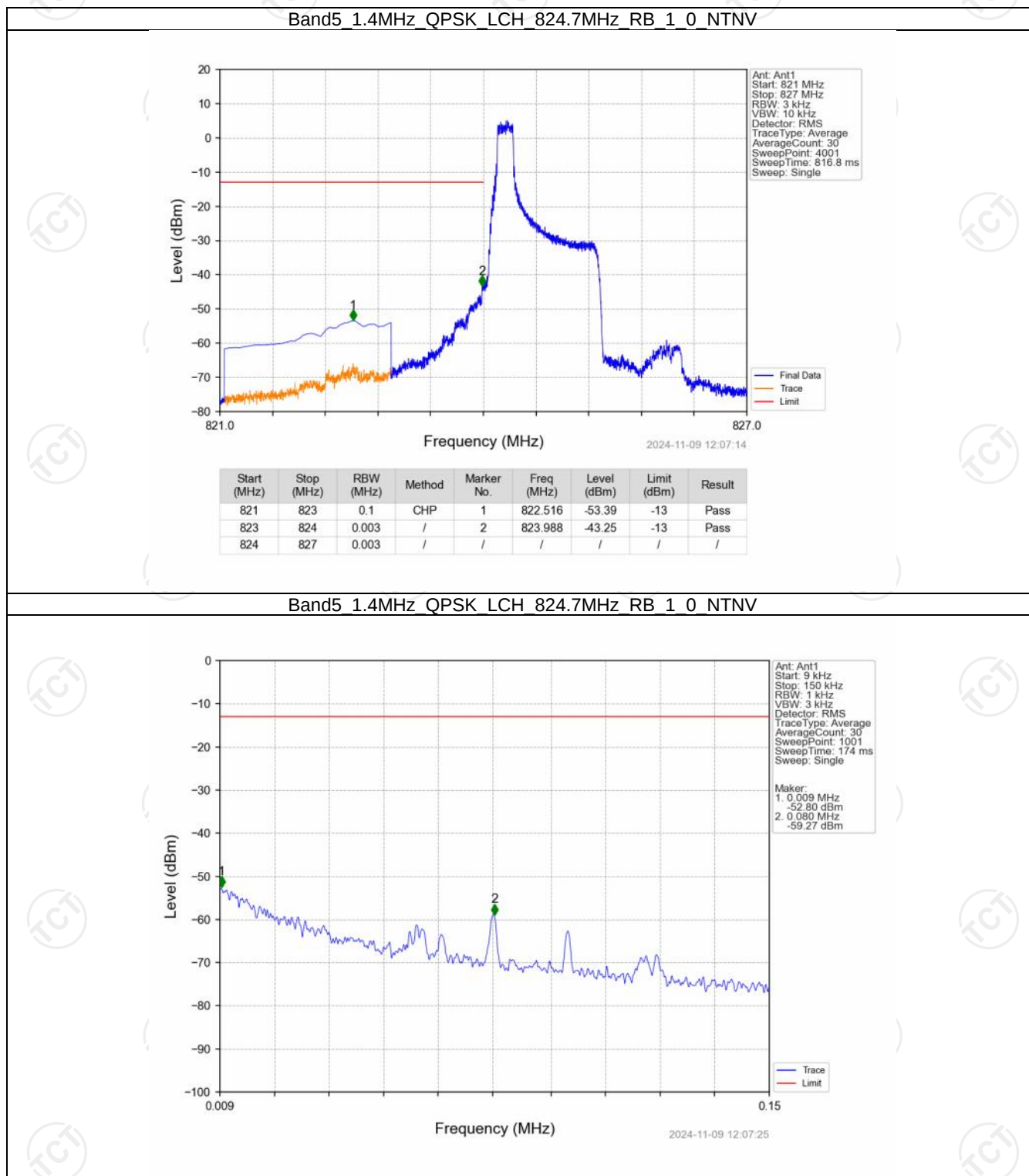
		25	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
	846.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B5_10MHz

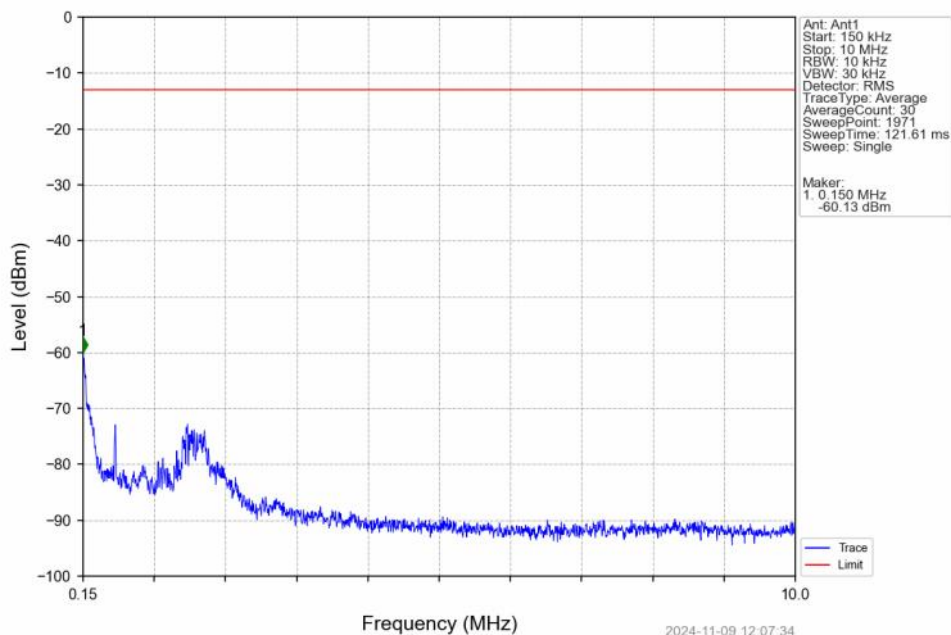
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2 Test Graph

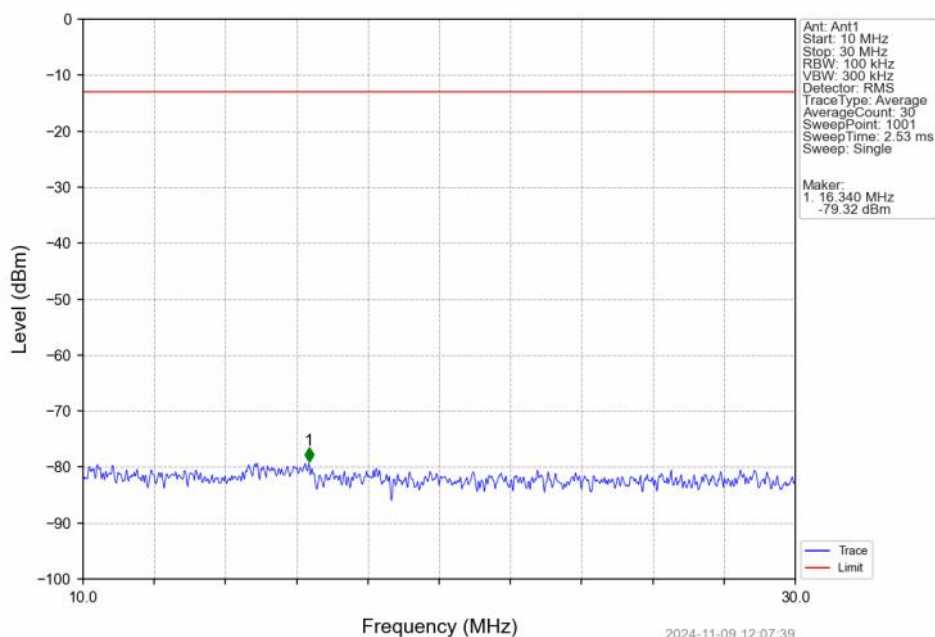
6.2.1 B5_1.4MHz



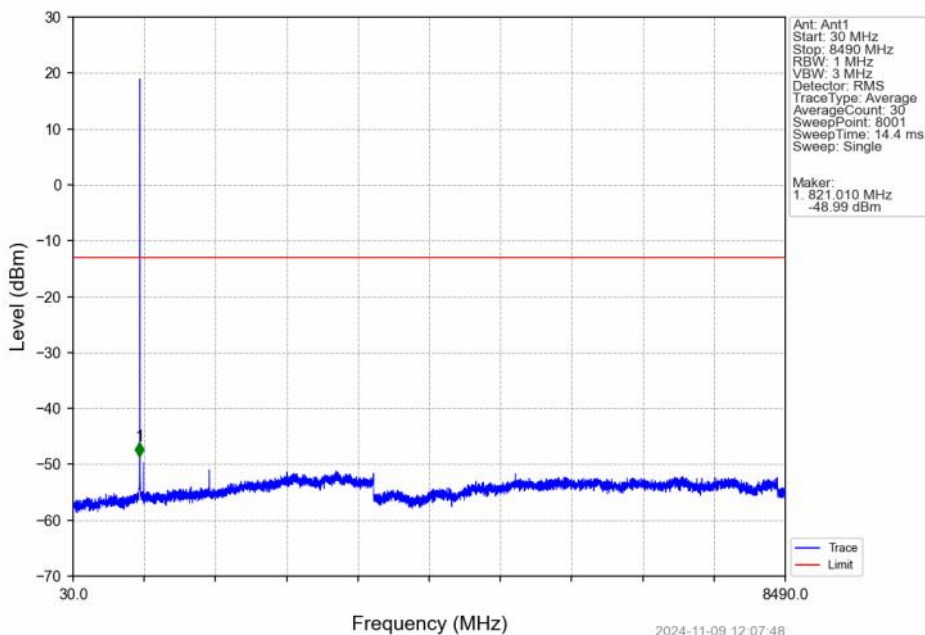
Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTNV



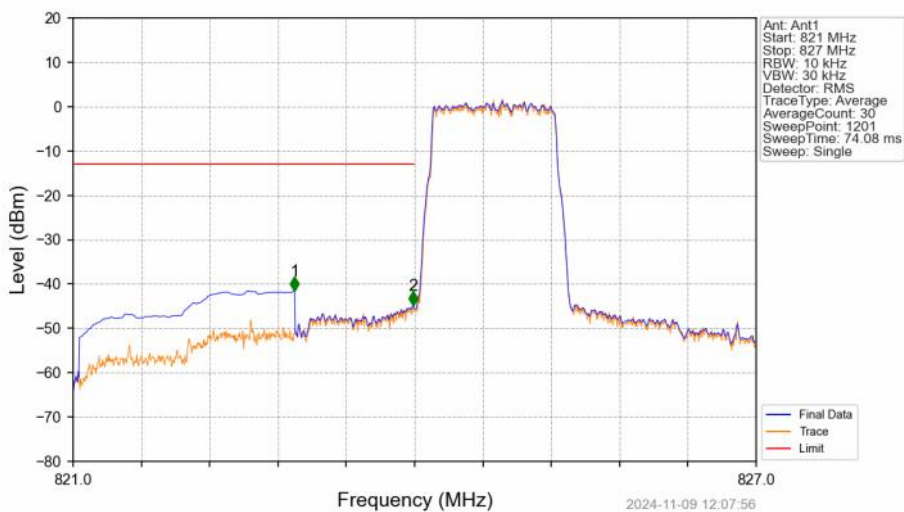
Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTNV



Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTNV

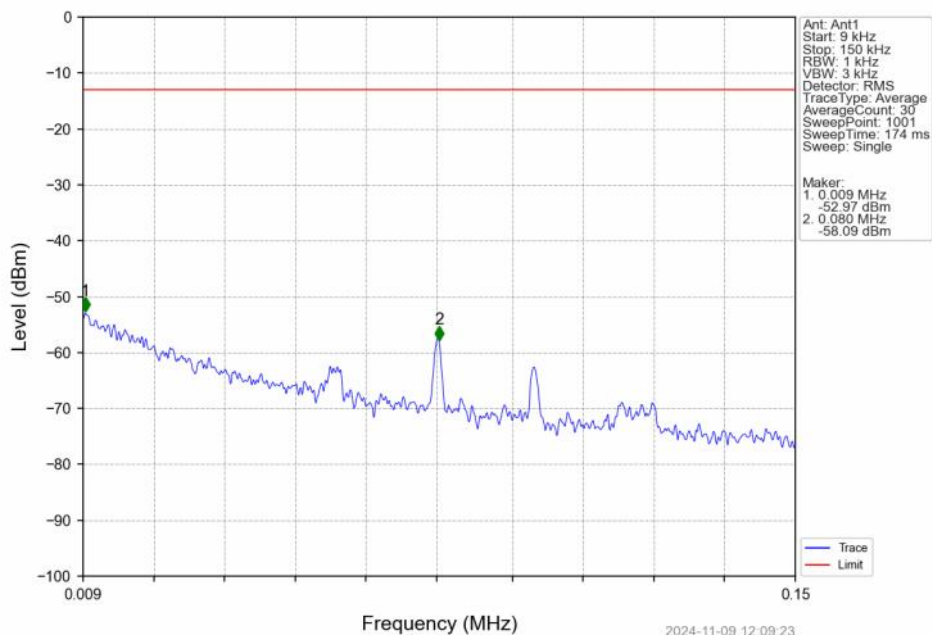


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

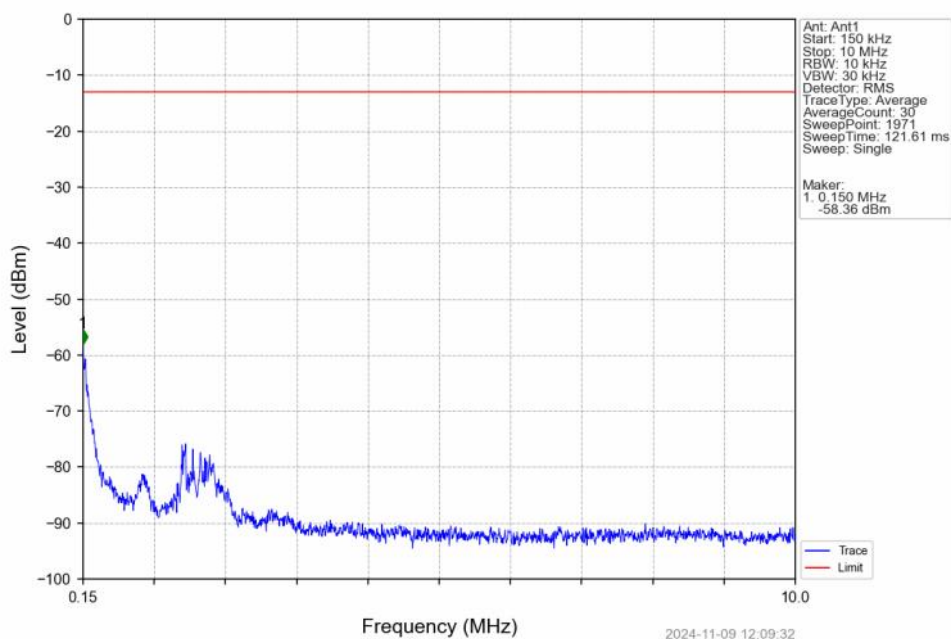


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-41.46	-13	Pass
823	824	0.013	CHP	2	823.985	-44.80	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

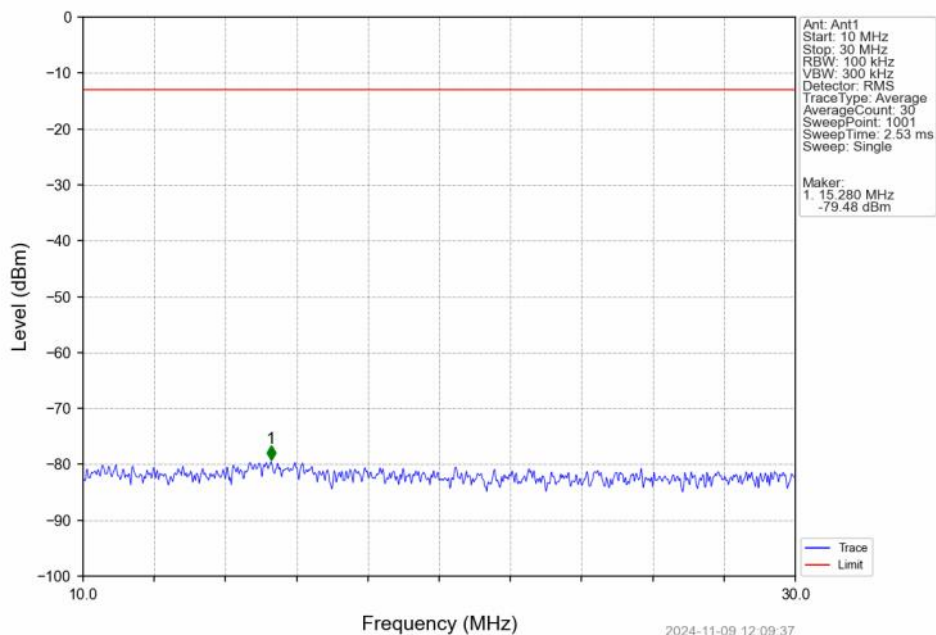
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



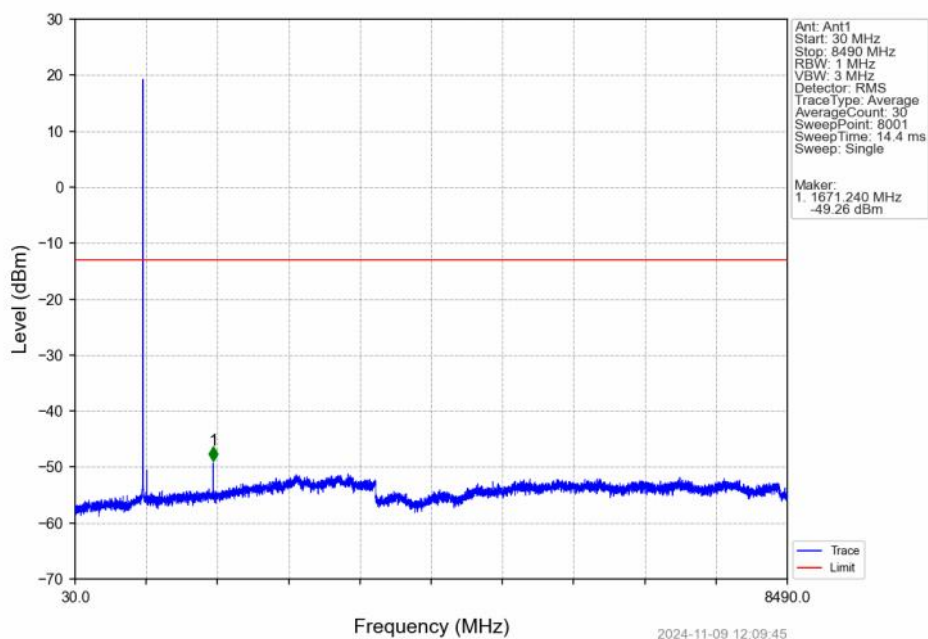
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



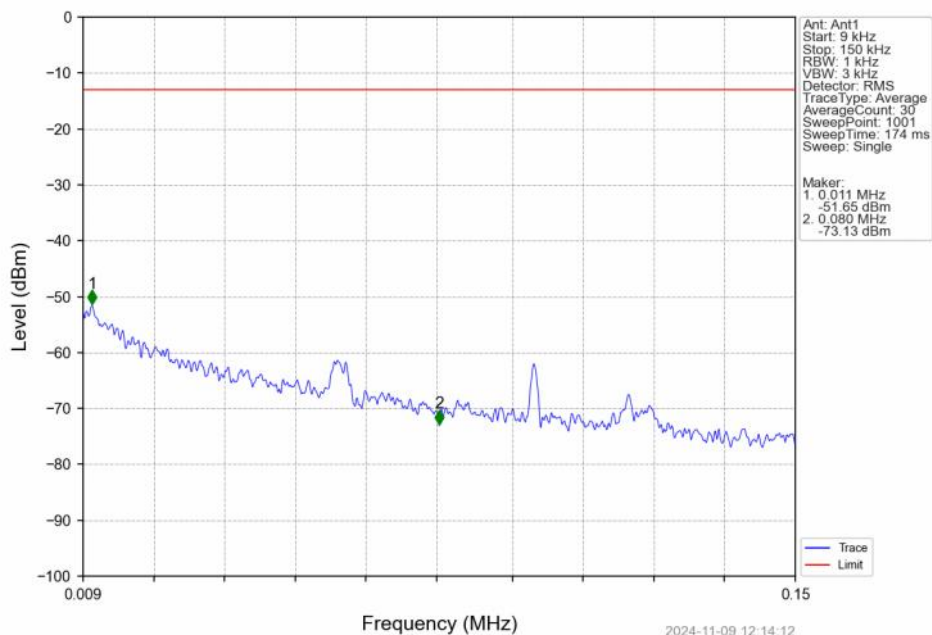
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



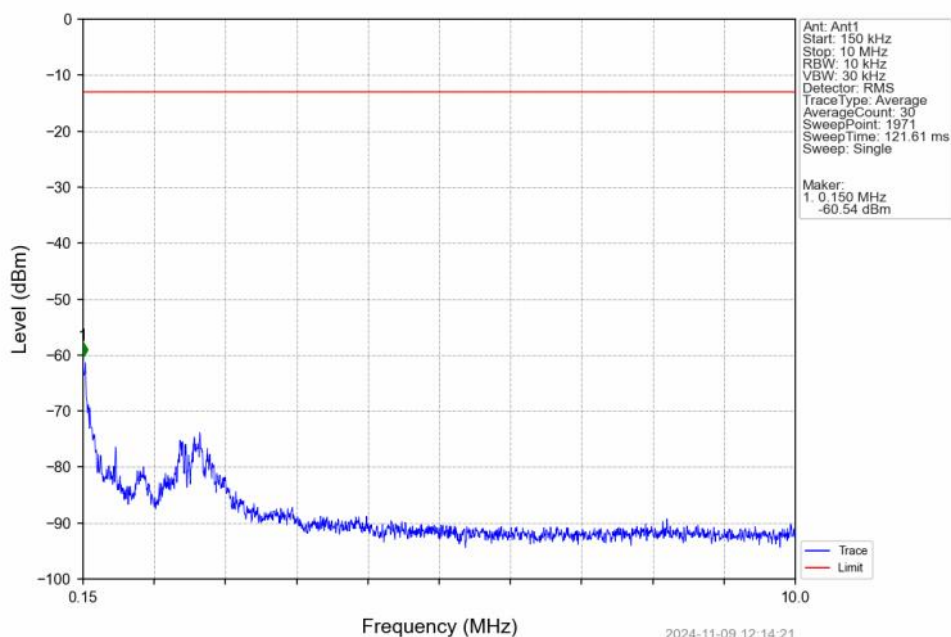
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



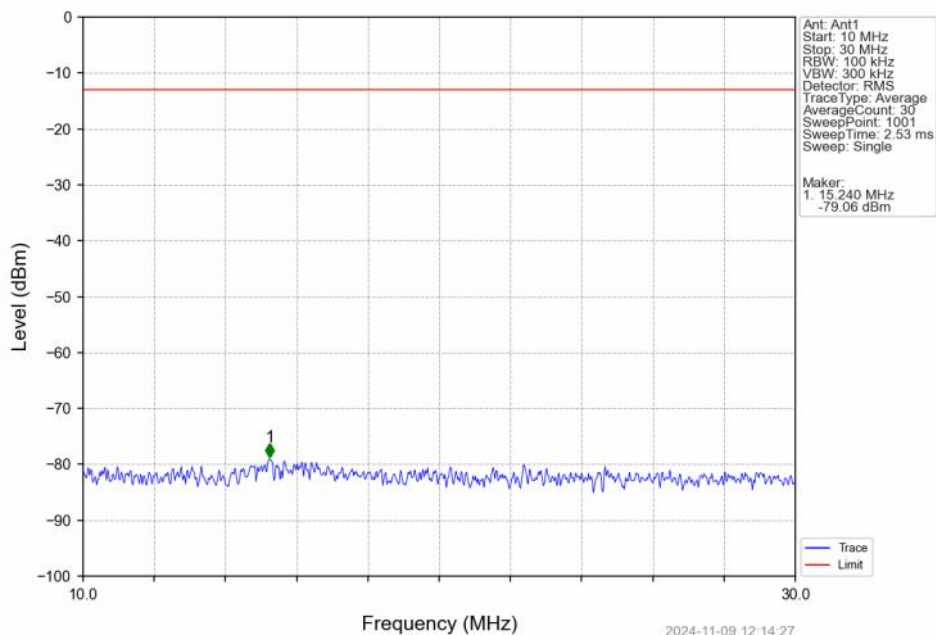
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTN



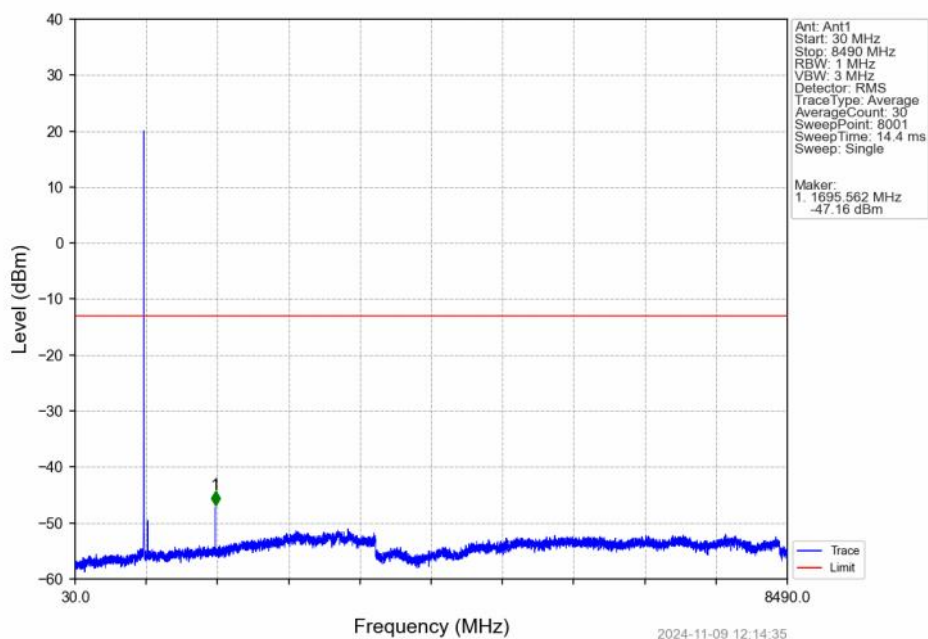
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTN



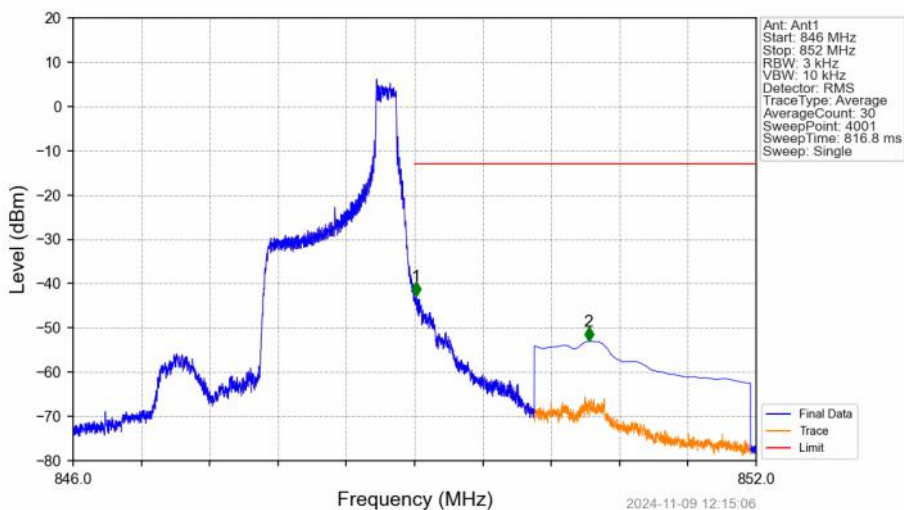
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

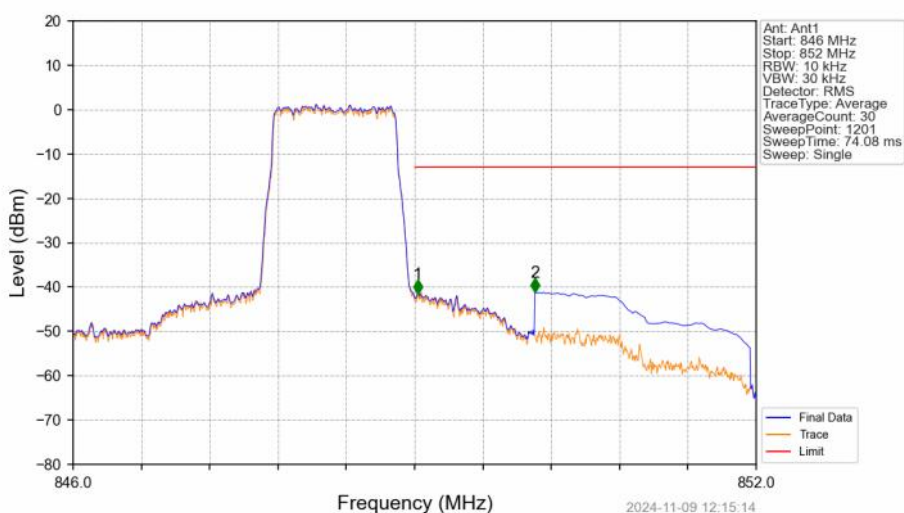


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



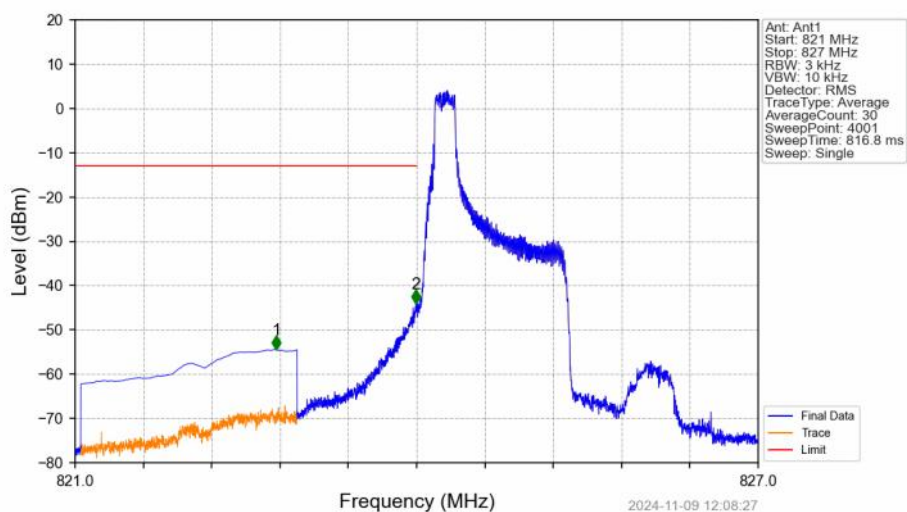
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.012	-42.83	-13	Pass
850	852	0.1	CHP	2	850.529	-52.92	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



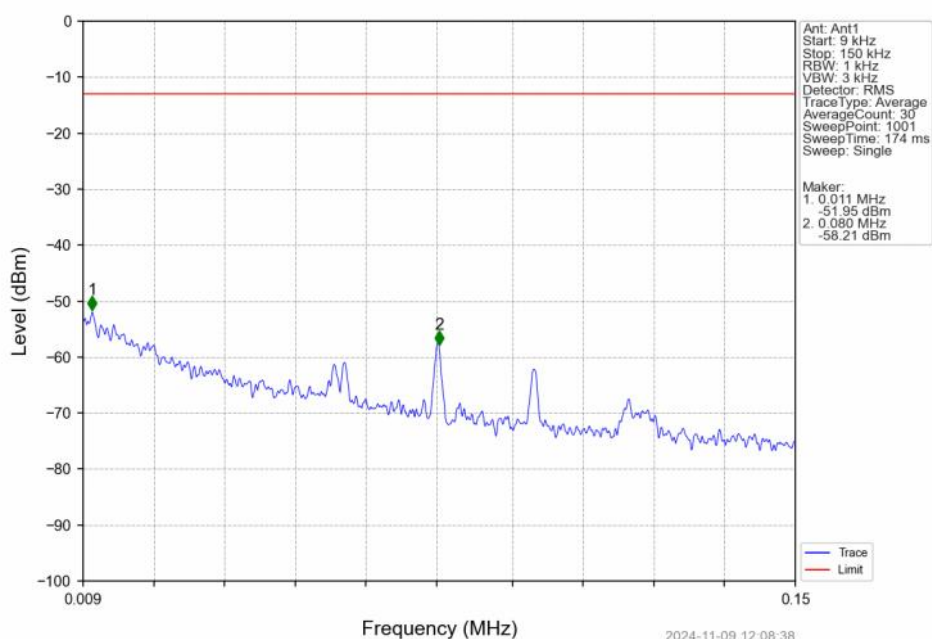
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.025	-41.47	-13	Pass
850	852	0.1	CHP	2	850.055	-41.12	-13	Pass

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

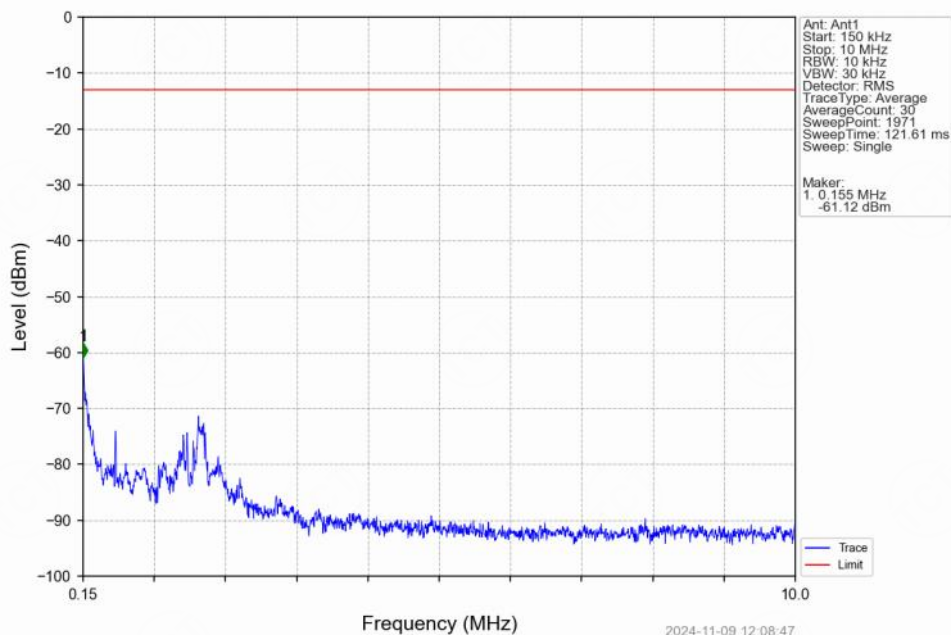


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.767	-54.44	-13	Pass
823	824	0.003	/	2	823.995	-44.03	-13	Pass
824	827	0.003	/	/	/	/	/	/

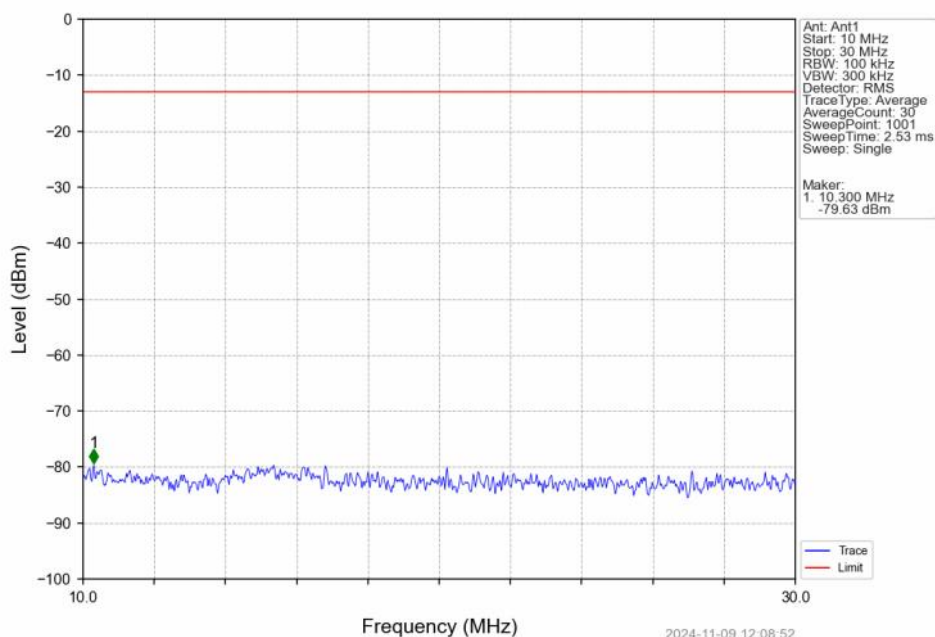
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTV



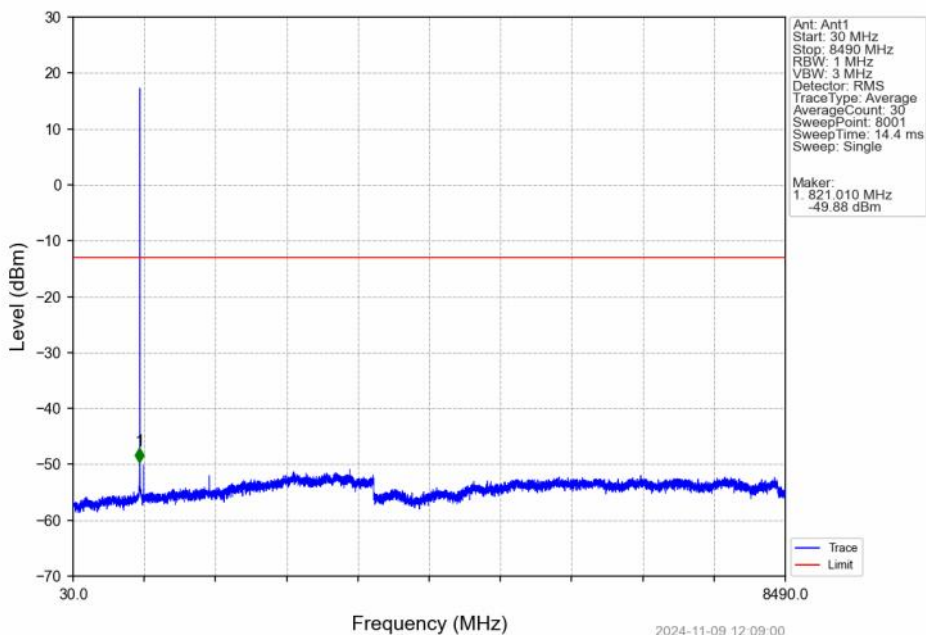
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



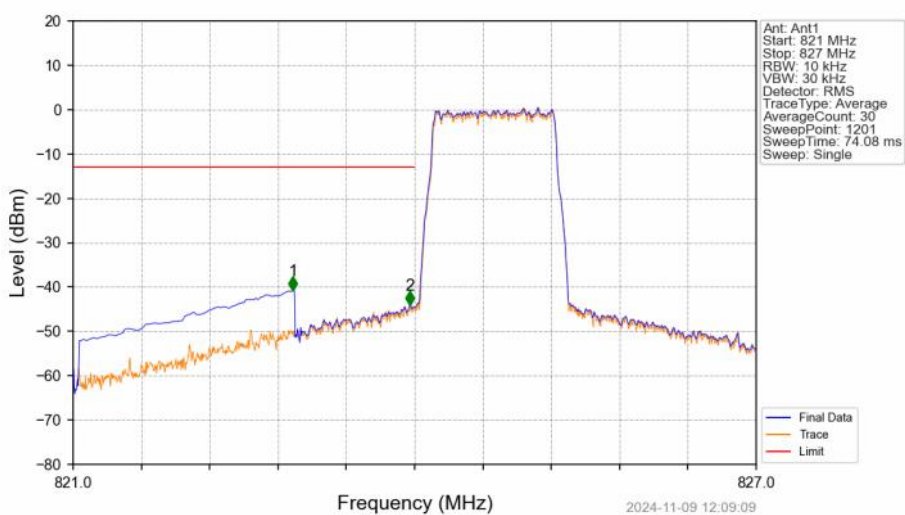
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



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



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



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.930	-40.83	-13	Pass
823	824	0.013	CHP	2	823.960	-44.02	-13	Pass
824	827	0.013	CHP	/	/	/	/	/